

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
 Data File : VN057519.D
 Acq On : 26 Aug 2019 19:05
 Operator : JC/SP
 Sample : VN0826WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Quant Time: Aug 27 07:16:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	335364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	620900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	560003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	185173	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	317760	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.57	113	205953	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.08	98	827407	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.40	95	261215	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.84	85	76099	19.229 ug/l	98
3) Chloromethane	2.05	50	104978	18.573 ug/l	98
4) Vinyl Chloride	2.17	62	134516	19.552 ug/l	98
5) Bromomethane	2.55	94	84021	19.817 ug/l	98
6) Chloroethane	2.69	64	83065	18.770 ug/l	97
7) Trichlorofluoromethane	3.00	101	205678	19.260 ug/l	98
8) Diethyl Ether	3.39	74	76223	20.356 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	110268	20.109 ug/l	97
10) Methyl Iodide	3.92	142	79012	18.120 ug/l	100
11) Tert butyl alcohol	4.79	59	68740	93.780 ug/l #	94
12) 1,1-Dichloroethene	3.71	96	106929	18.732 ug/l	97
13) Acrolein	3.58	56	63697	98.827 ug/l	98
14) Allyl chloride	4.29	41	141498	18.739 ug/l	98
15) Acrylonitrile	4.97	53	190592	96.418 ug/l	98
16) Acetone	3.80	43	181333	66.931 ug/l	99
17) Carbon Disulfide	4.02	76	178498	16.393 ug/l	98
18) Methyl Acetate	4.30	43	121365	20.189 ug/l	100
19) Methyl tert-butyl Ether	5.02	73	248818	18.057 ug/l	100
20) Methylene Chloride	4.52	84	81383	20.216 ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	69565	17.270 ug/l	95
22) Diisopropyl ether	5.93	45	311590	19.239 ug/l	96
23) Vinyl Acetate	5.87	43	1149517	90.870 ug/l	99
24) 1,1-Dichloroethane	5.83	63	163249	19.019 ug/l	99
25) 2-Butanone	6.82	43	271184	92.179 ug/l	98
26) 2,2-Dichloropropane	6.80	77	122495	16.480 ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88831	18.603 ug/l	99
28) Bromochloromethane	7.18	49	101810	22.026 ug/l	97
29) Tetrahydrofuran	7.20	42	180210	92.897 ug/l	99
30) Chloroform	7.36	83	159746	20.103 ug/l	100
31) Cyclohexane	7.63	56	163269	19.702 ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	134926	18.325 ug/l	98
36) 1,1-Dichloropropene	7.78	75	116515	18.365 ug/l	99
37) Ethyl Acetate	6.92	43	118249	18.862 ug/l	98
38) Carbon Tetrachloride	7.76	117	106606	16.914 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137795	18.288	ug/l	97
40) Benzene	8.03	78	350877	18.426	ug/l	97
41) Methacrylonitrile	7.15	41	46865	15.677	ug/l	90
42) 1,2-Dichloroethane	8.11	62	138543	18.896	ug/l	98
43) Isopropyl Acetate	8.16	43	209161	18.196	ug/l	100
44) Trichloroethene	8.83	130	78336	18.429	ug/l	94
45) 1,2-Dichloropropane	9.11	63	100709	18.779	ug/l	94
46) Dibromomethane	9.20	93	63105	19.850	ug/l	100
47) Bromodichloromethane	9.40	83	127188	17.977	ug/l	97
48) Methyl methacrylate	9.19	41	101264	18.526	ug/l	98
49) 1,4-Dioxane	9.20	88	26519	375.170	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	607379	94.808	ug/l	99
52) Toluene	10.15	92	211720	19.291	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	127056	17.145	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141820	17.188	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	83051	18.712	ug/l	97
56) Ethyl methacrylate	10.43	69	129428	18.538	ug/l	98
57) 1,3-Dichloropropane	10.70	76	146642	18.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	202448	114.073	ug/l	98
59) 2-Hexanone	10.75	43	407562	92.753	ug/l	99
60) Dibromochloromethane	10.90	129	81564	17.390	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80847	18.572	ug/l	96
64) Tetrachloroethene	10.63	164	73536	18.769	ug/l	95
65) Chlorobenzene	11.43	112	204924	18.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76360	17.589	ug/l	99
67) Ethyl Benzene	11.51	91	395186	18.036	ug/l	100
68) m/p-Xylenes	11.62	106	277791	37.279	ug/l	98
69) o-Xylene	11.95	106	137698	18.654	ug/l	99
70) Styrene	11.96	104	215562	18.442	ug/l	100
71) Bromoform	12.13	173	45980	15.667	ug/l #	98
73) Isopropylbenzene	12.25	105	370306	20.180	ug/l	99
74) N-amyl acetate	12.07	43	165653	19.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	109485	20.898	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	134649	31.467	ug/l #	100
77) Bromobenzene	12.53	156	70608	18.890	ug/l	95
78) n-propylbenzene	12.59	91	400094	19.748	ug/l	98
79) 2-Chlorotoluene	12.67	91	235639	19.375	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	299707	20.152	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28393	14.881	ug/l	86
82) 4-Chlorotoluene	12.77	91	225160	19.243	ug/l	98
83) tert-Butylbenzene	12.99	119	250806	19.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	276293	19.192	ug/l	99
85) sec-Butylbenzene	13.17	105	325688	19.683	ug/l	100
86) p-Isopropyltoluene	13.29	119	271568	18.762	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	110015	18.393	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	101641	17.352	ug/l	94
89) n-Butylbenzene	13.62	91	218658	17.852	ug/l	99
90) Hexachloroethane	13.88	117	52080	16.876	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	106267	18.611	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16244	18.039	ug/l	92

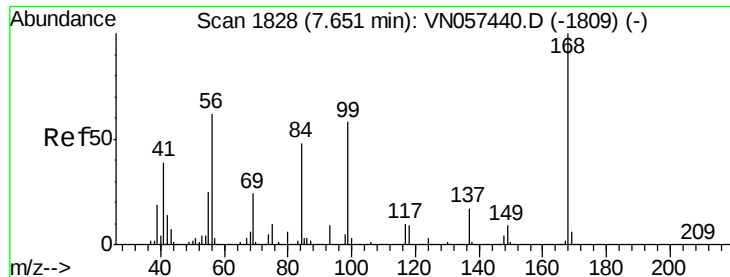
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082619\
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QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27679	16.066	ug/l	96
94) Hexachlorobutadiene	15.01	225	29715	18.388	ug/l	99
95) Naphthalene	15.13	128	93905	15.980	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	27229	15.704	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

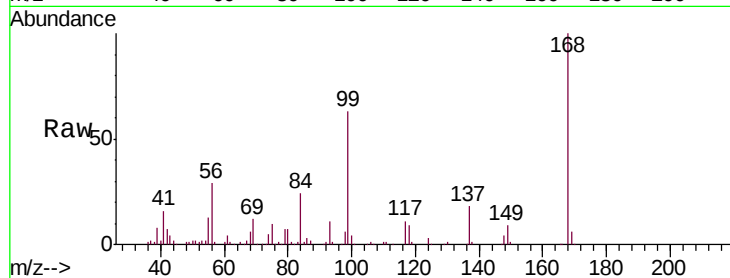
VN0826WBSD02

Tgt Ion:168 Resp: 335364

Ion Ratio Lower Upper

168 100

99 63.0 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

150000

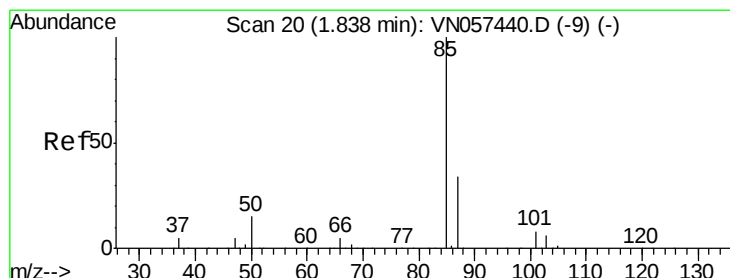
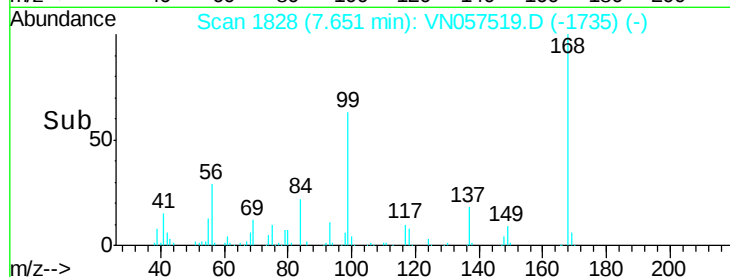
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.229 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057519.D

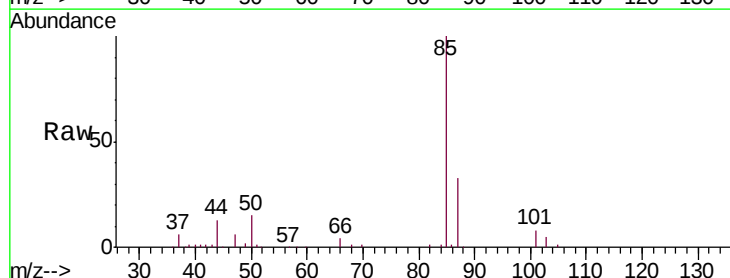
Acq: 26 Aug 2019 19:05

Tgt Ion: 85 Resp: 76099

Ion Ratio Lower Upper

85 100

87 32.8 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.84

60000

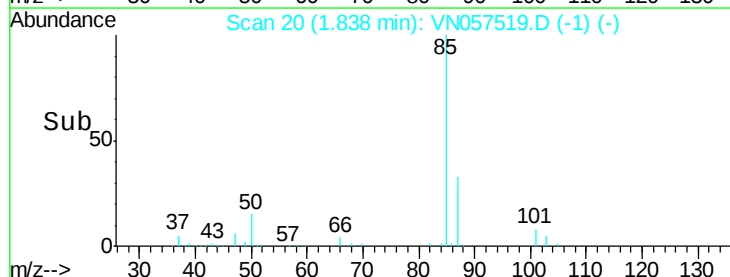
40000

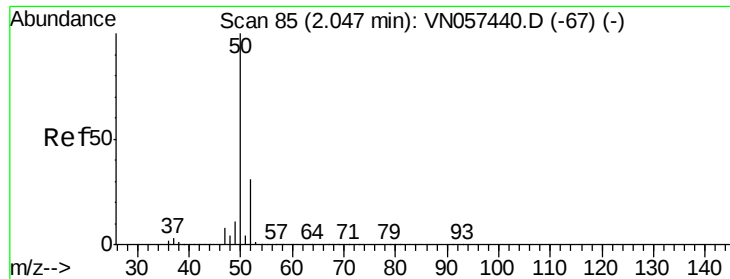
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.573 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

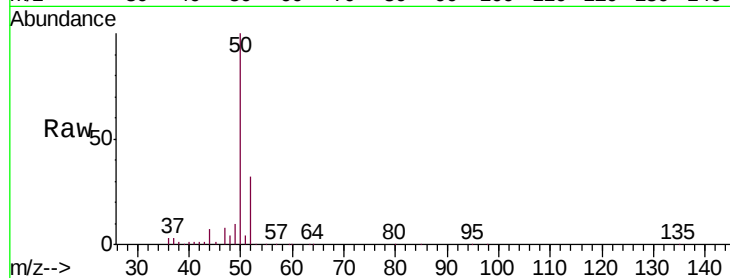
VN0826WBSD02

Tgt Ion: 50 Resp: 104978

Ion Ratio Lower Upper

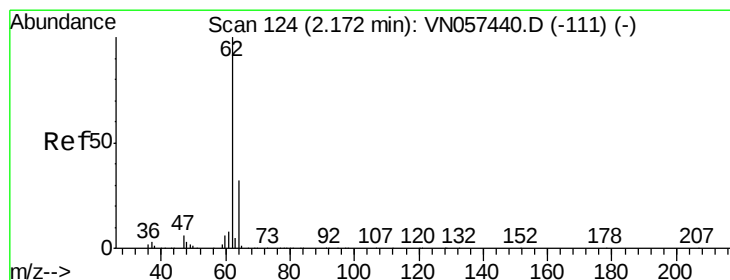
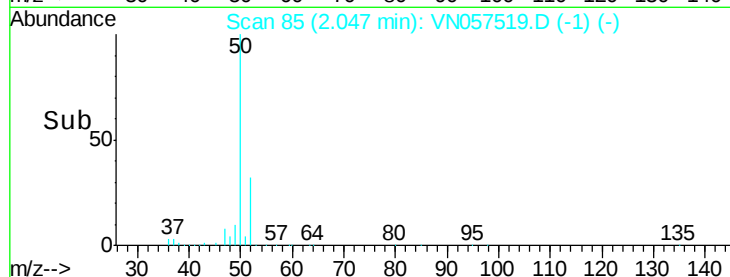
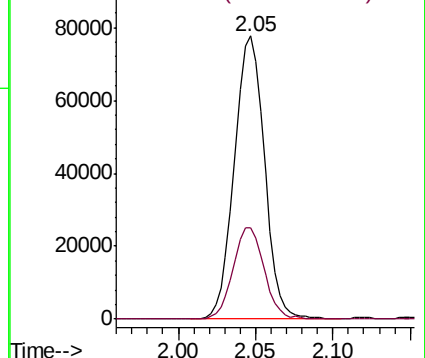
50 100

52 32.3 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.552 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057519.D

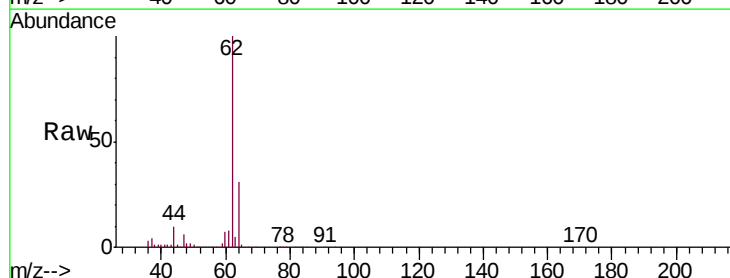
Acq: 26 Aug 2019 19:05

Tgt Ion: 62 Resp: 134516

Ion Ratio Lower Upper

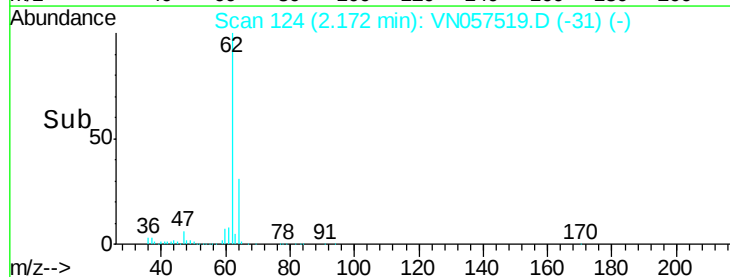
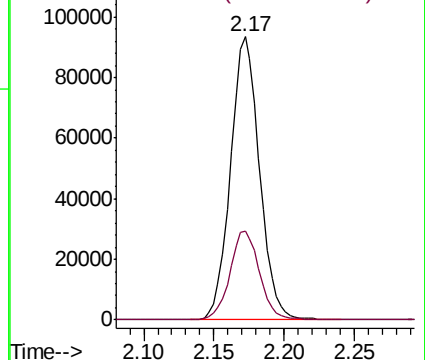
62 100

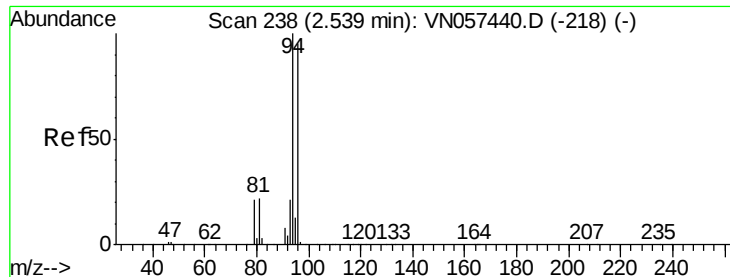
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.817 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

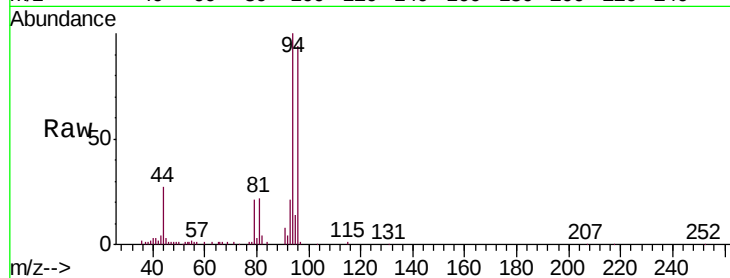
VN0826WBSD02

Tgt Ion: 94 Resp: 84021

Ion Ratio Lower Upper

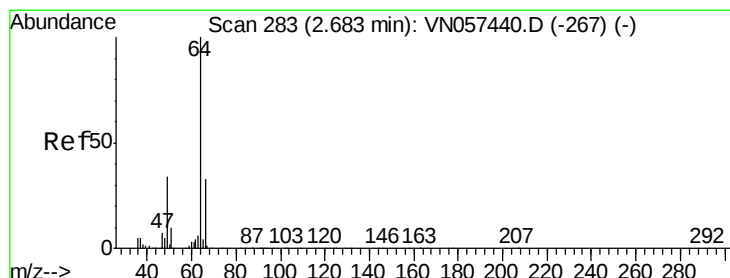
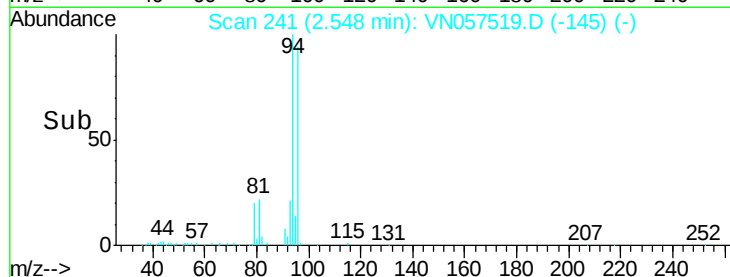
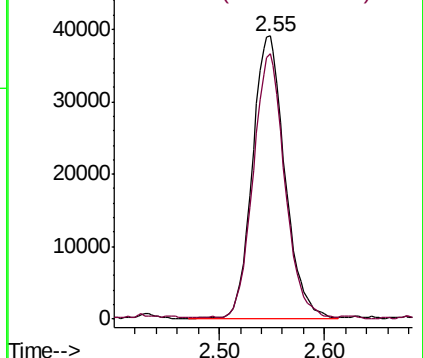
94 100

96 93.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.770 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN057519.D

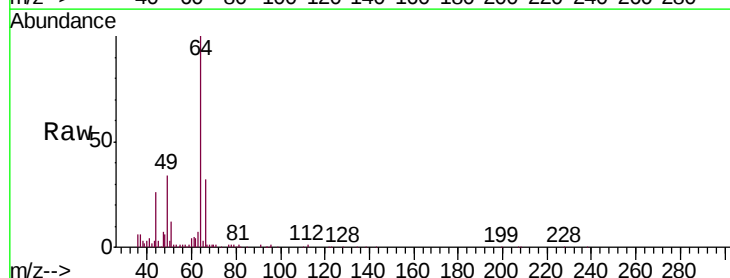
Acq: 26 Aug 2019 19:05

Tgt Ion: 64 Resp: 83065

Ion Ratio Lower Upper

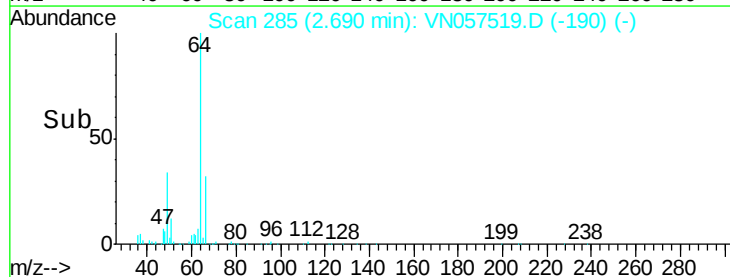
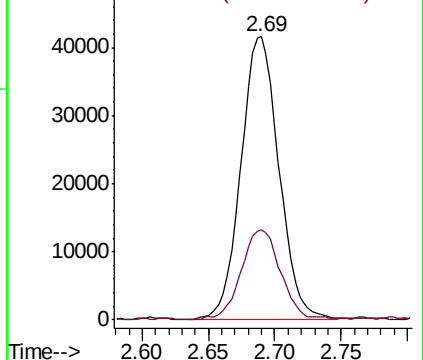
64 100

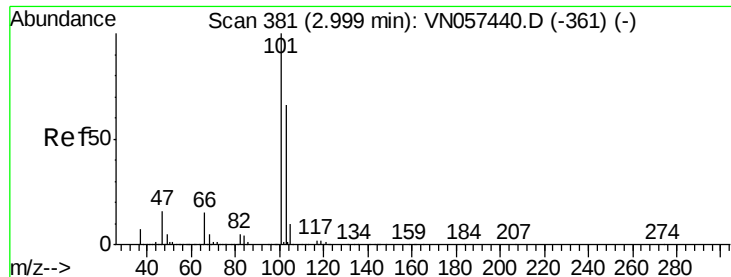
66 31.7 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



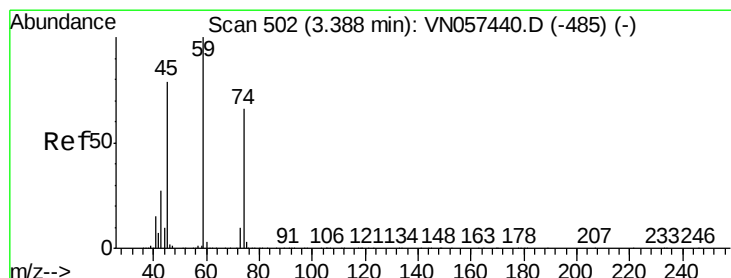
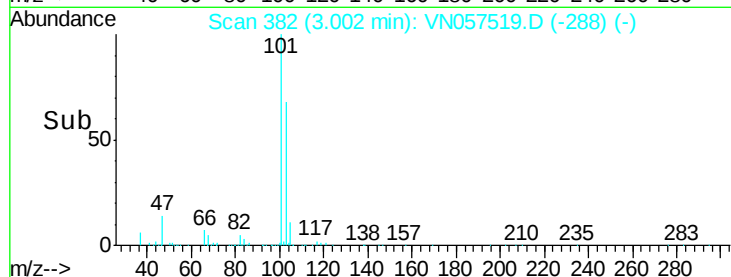
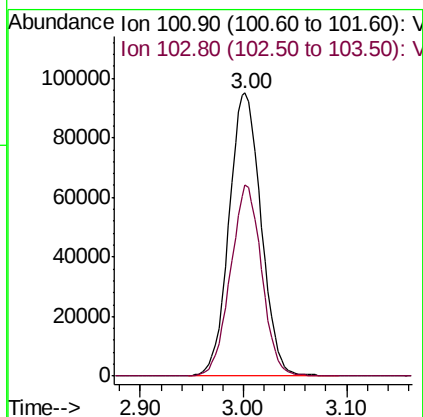
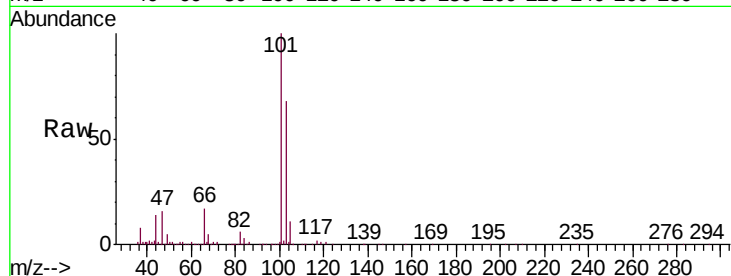


#7

Trichlorofluoromethane
Concen: 19.260 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
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VN0826WBSD02

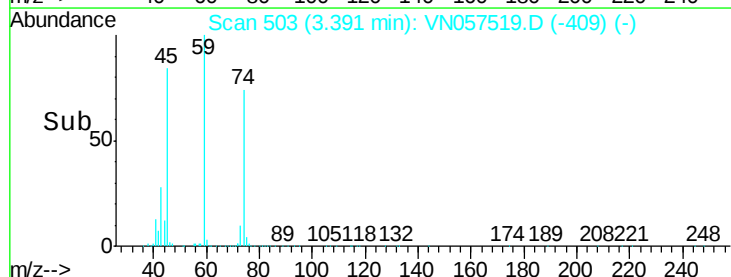
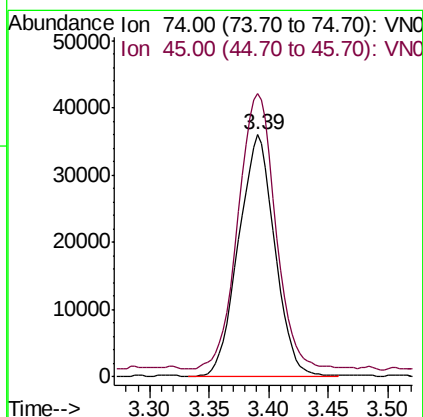
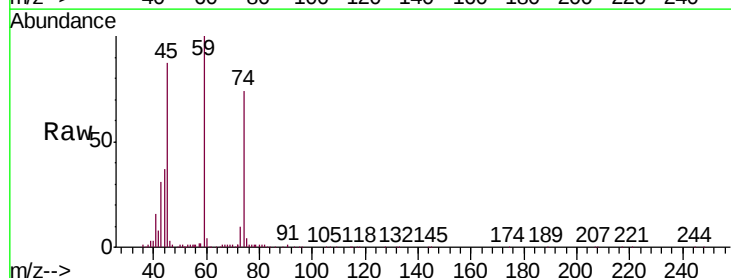
Tgt Ion:101 Resp: 205678
Ion Ratio Lower Upper
101 100
103 67.5 52.6 78.8

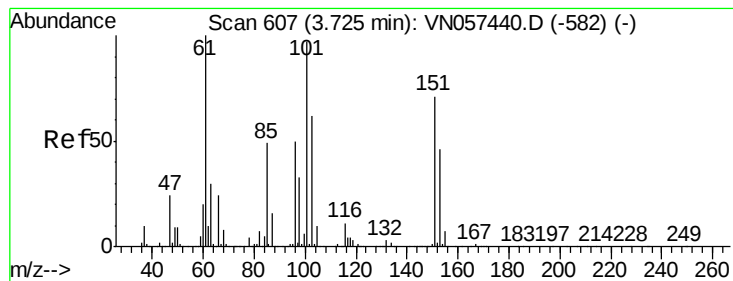


#8

Diethyl Ether
Concen: 20.356 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 74 Resp: 76223
Ion Ratio Lower Upper
74 100
45 116.7 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.109 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

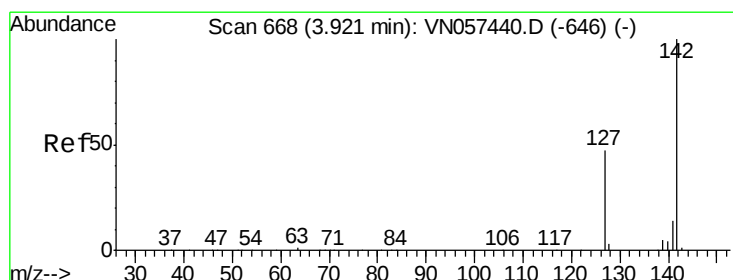
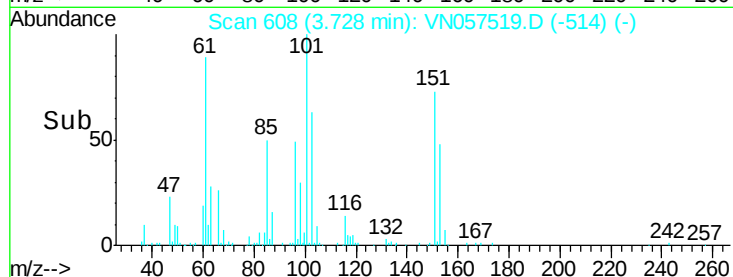
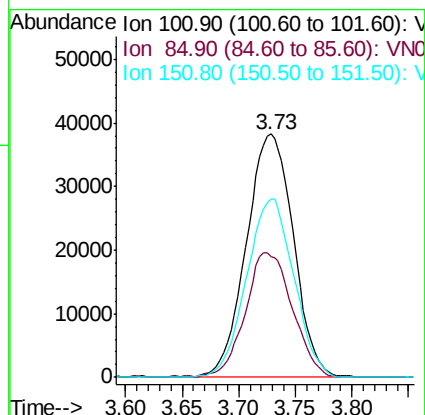
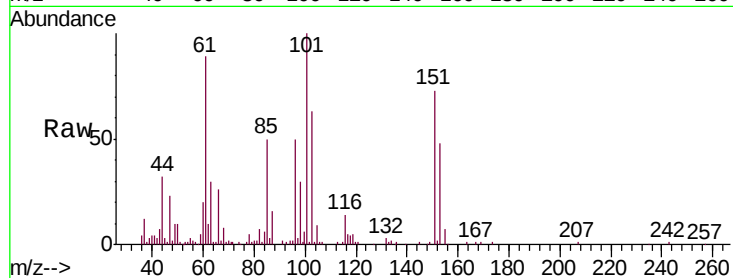
Tgt Ion:101 Resp: 110268

Ion Ratio Lower Upper

101 100

85 51.5 40.0 60.0

151 73.8 57.0 85.6



#10

Methyl Iodide

Concen: 18.120 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

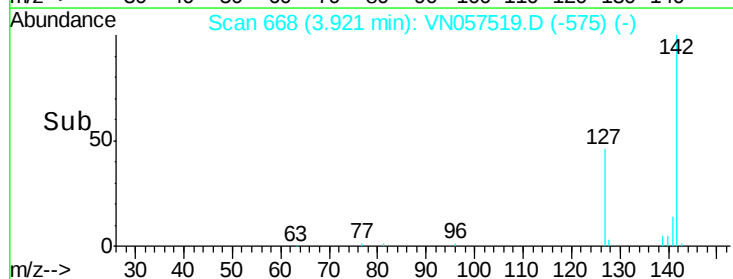
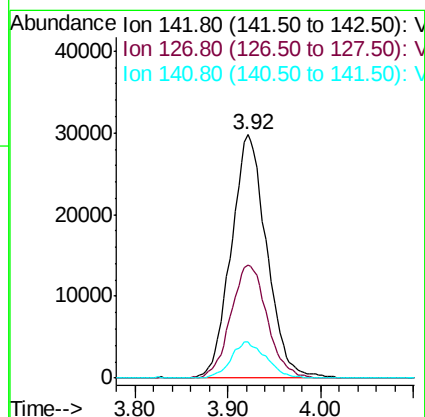
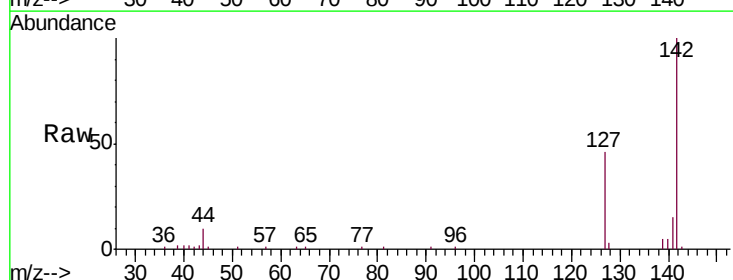
Tgt Ion:142 Resp: 79012

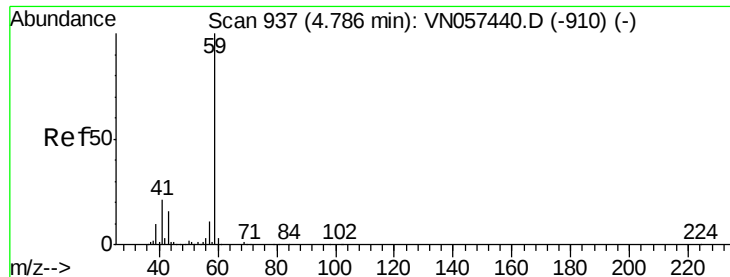
Ion Ratio Lower Upper

142 100

127 47.4 37.8 56.8

141 14.8 11.9 17.9



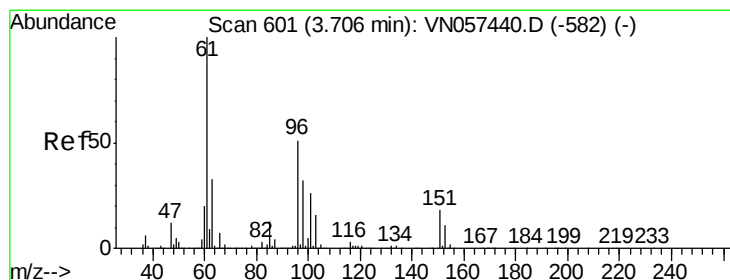
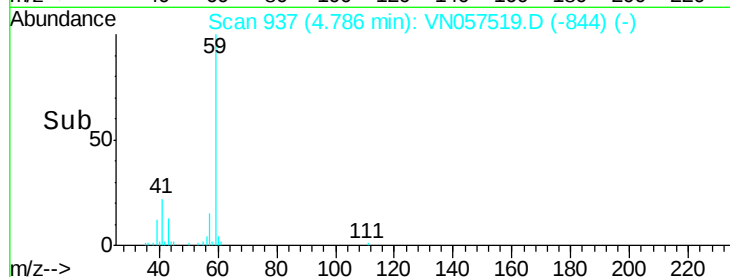
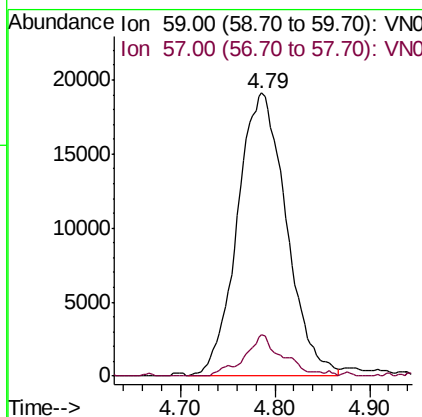
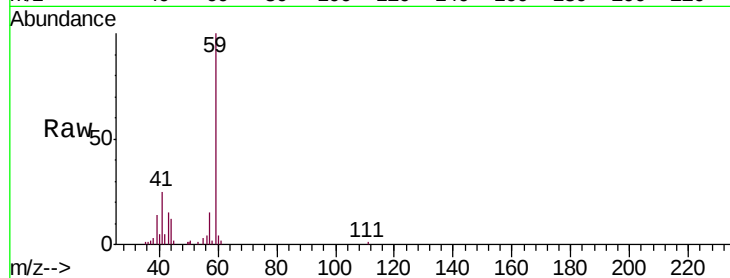


#11

Tert butyl alcohol
 Concen: 93.780 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

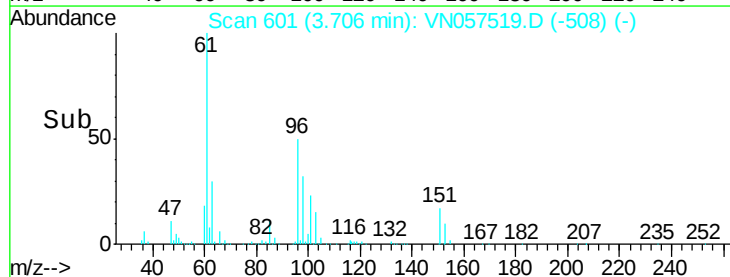
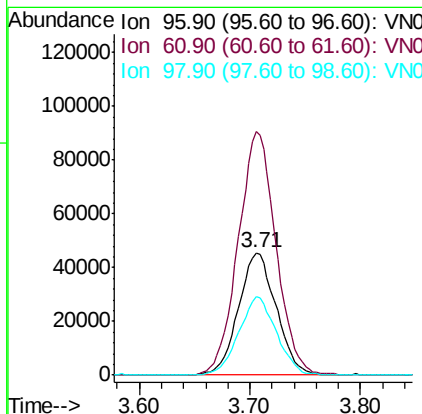
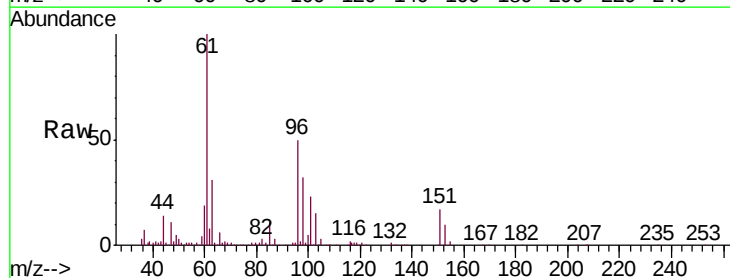
Tgt Ion: 59 Resp: 68740
 Ion Ratio Lower Upper
 59 100
 57 9.1 9.1 13.7#

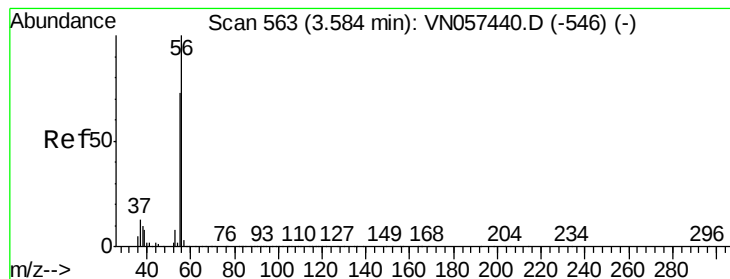


#12

1,1-Dichloroethene
 Concen: 18.732 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 96 Resp: 106929
 Ion Ratio Lower Upper
 96 100
 61 199.4 155.3 232.9
 98 64.4 50.2 75.2





#13

Acrolein

Concen: 98.827 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

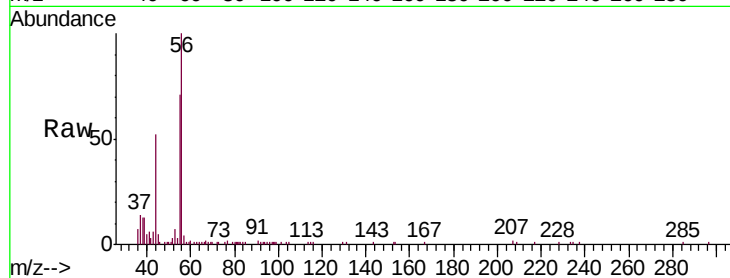
VN0826WBSD02

Tgt Ion: 56 Resp: 63697

Ion Ratio Lower Upper

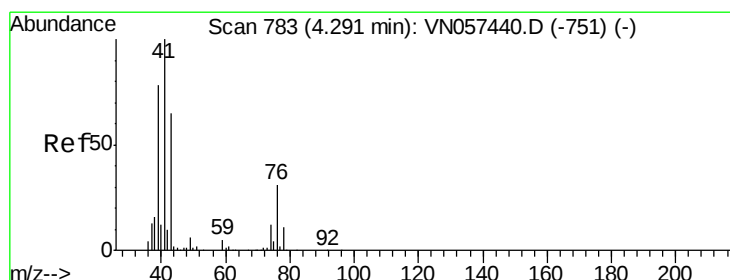
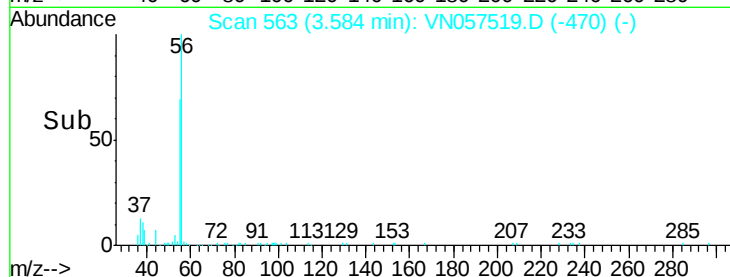
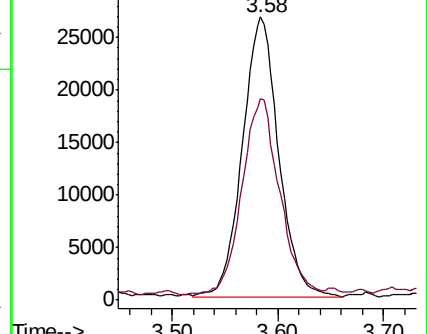
56 100

55 72.0 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.739 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

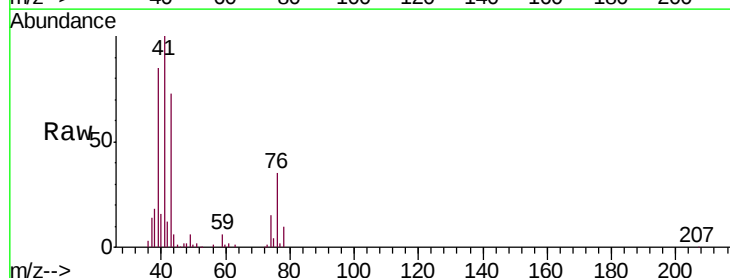
Tgt Ion: 41 Resp: 141498

Ion Ratio Lower Upper

41 100

39 73.7 57.4 86.2

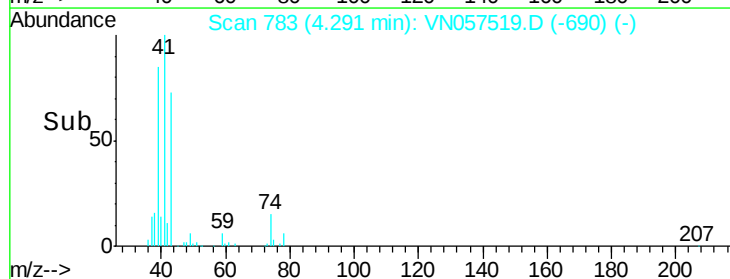
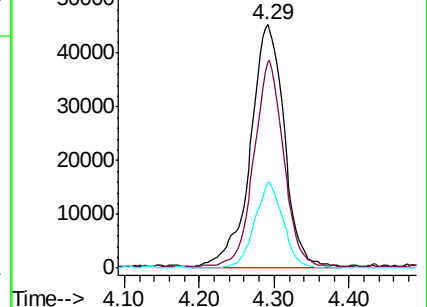
76 29.8 22.9 34.3

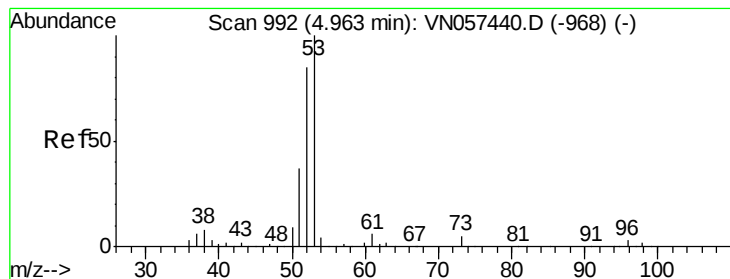


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.418 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

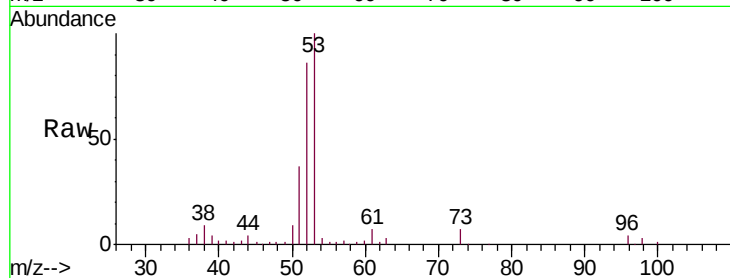
Tgt Ion: 53 Resp: 190592

Ion Ratio Lower Upper

53 100

52 81.5 67.0 100.6

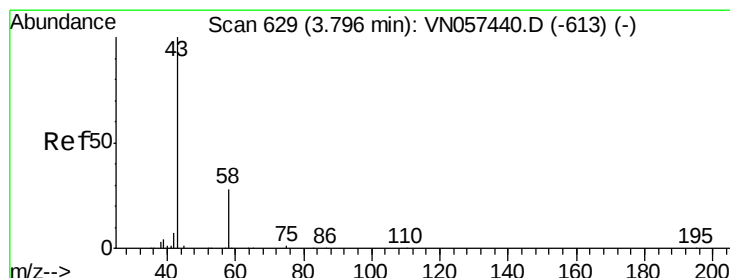
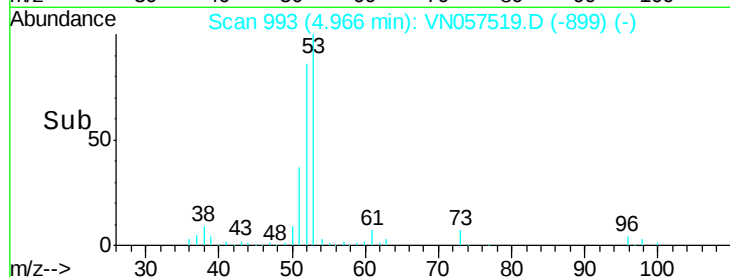
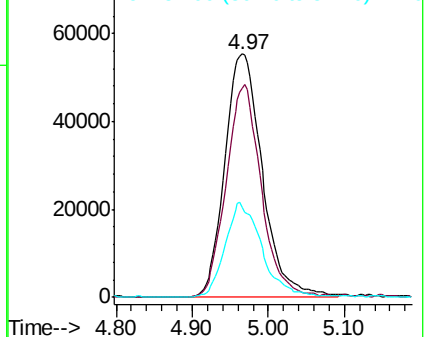
51 38.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 66.931 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057519.D

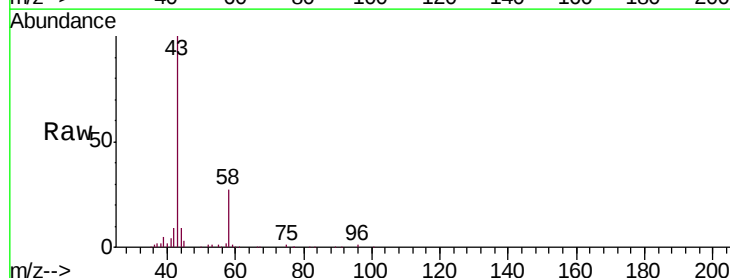
Acq: 26 Aug 2019 19:05

Tgt Ion: 43 Resp: 181333

Ion Ratio Lower Upper

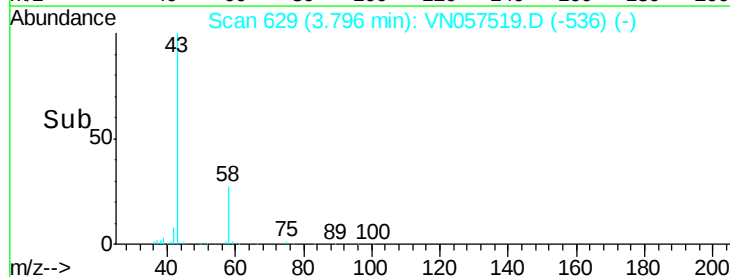
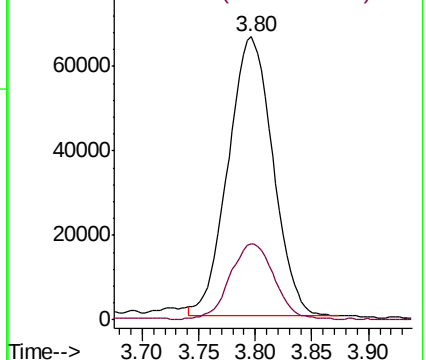
43 100

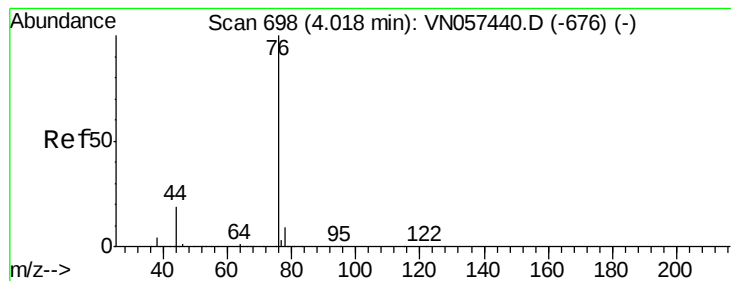
58 27.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.393 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

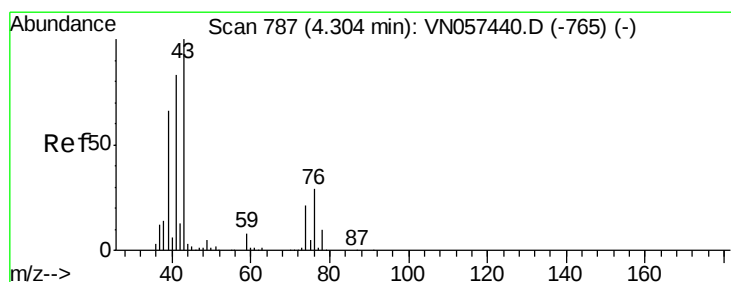
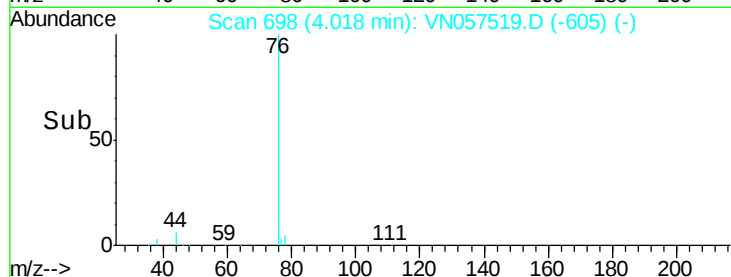
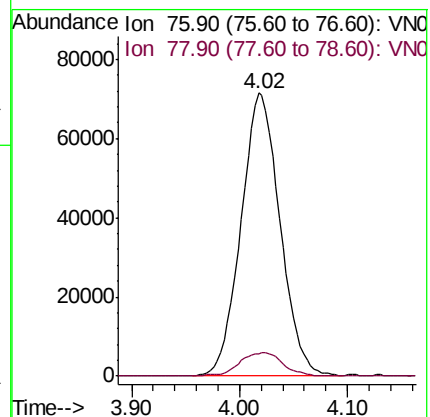
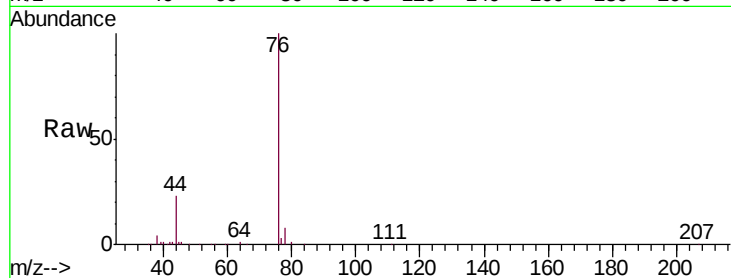
VN0826WBSD02

Tgt Ion: 76 Resp: 178498

Ion Ratio Lower Upper

76 100

78 8.0 7.1 10.7



#18

Methyl Acetate

Concen: 20.189 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057519.D

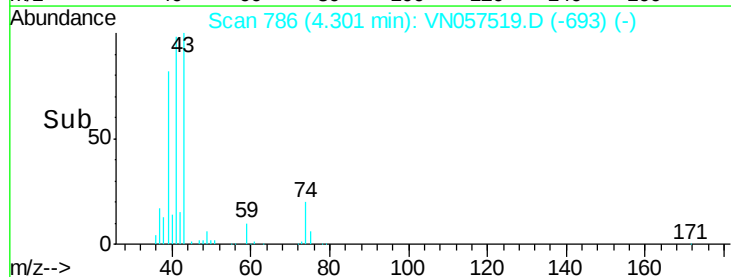
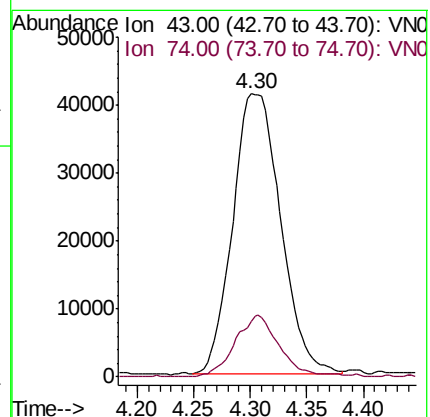
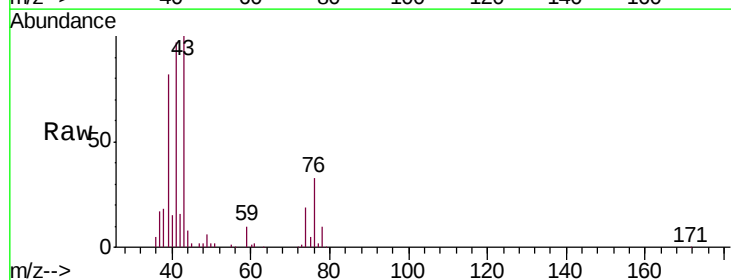
Acq: 26 Aug 2019 19:05

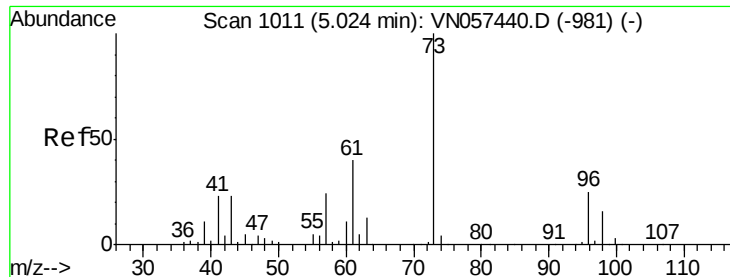
Tgt Ion: 43 Resp: 121365

Ion Ratio Lower Upper

43 100

74 20.1 15.9 23.9



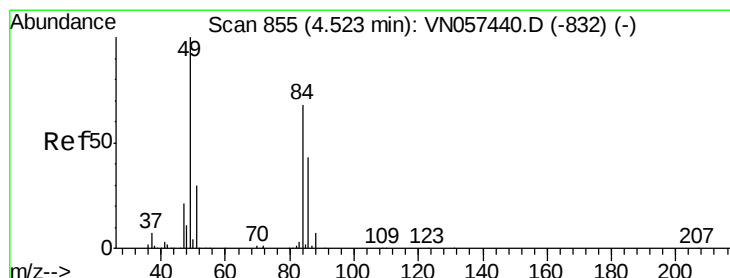
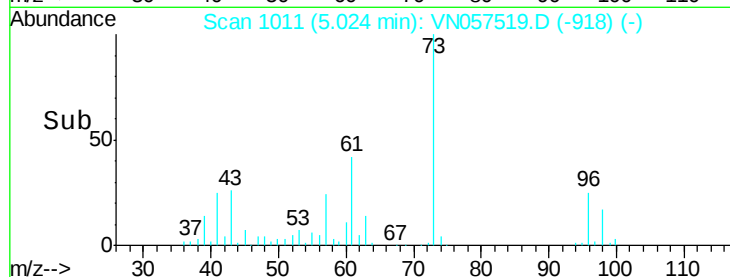
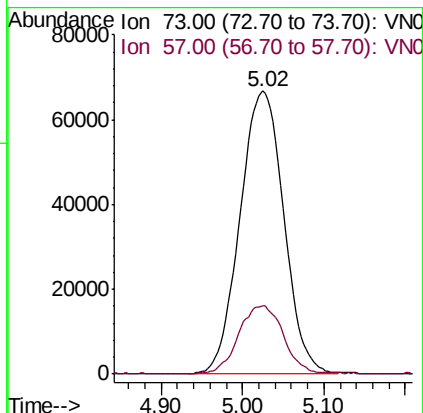
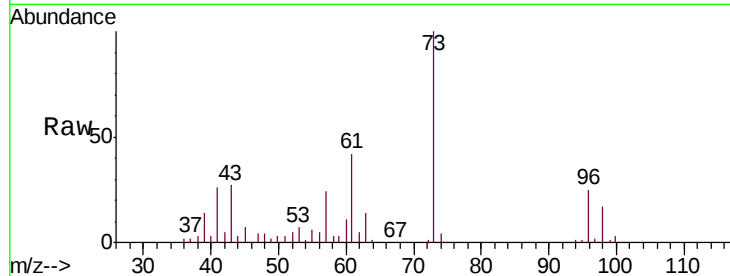


#19

Methyl tert-butyl Ether
 Concen: 18.057 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

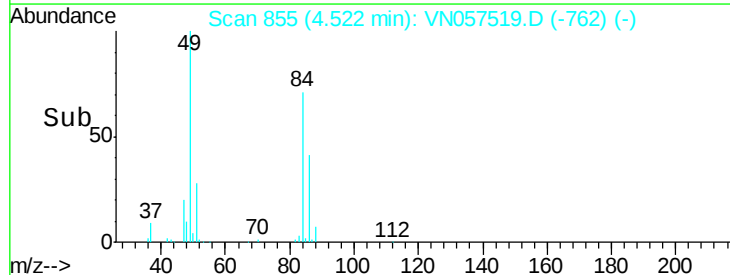
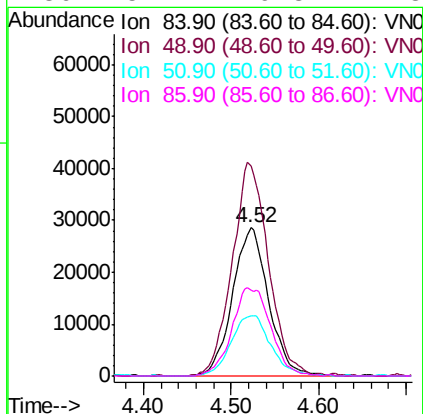
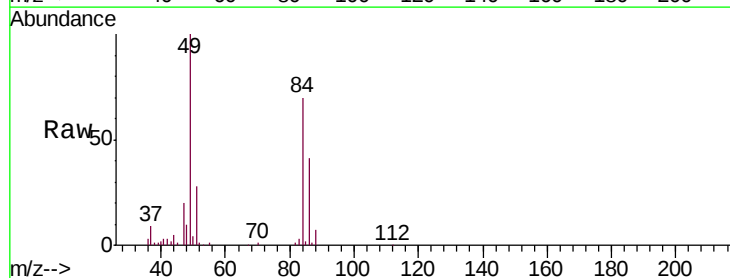
Tgt Ion: 73 Resp: 248818
 Ion Ratio Lower Upper
 73 100
 57 23.9 19.1 28.7

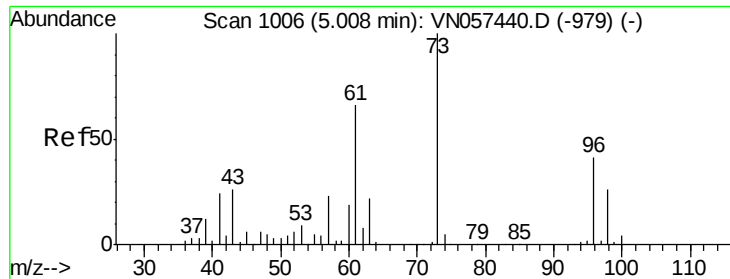


#20

Methylene Chloride
 Concen: 20.216 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 84 Resp: 81383
 Ion Ratio Lower Upper
 84 100
 49 142.0 117.0 175.4
 51 40.3 35.5 53.3
 86 57.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.270 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

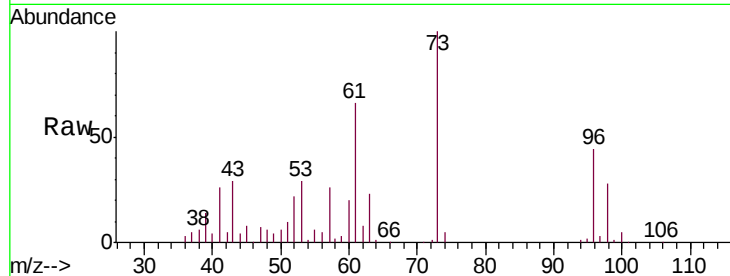
Tgt Ion: 96 Resp: 69565

Ion Ratio Lower Upper

96 100

61 150.6 127.9 191.9

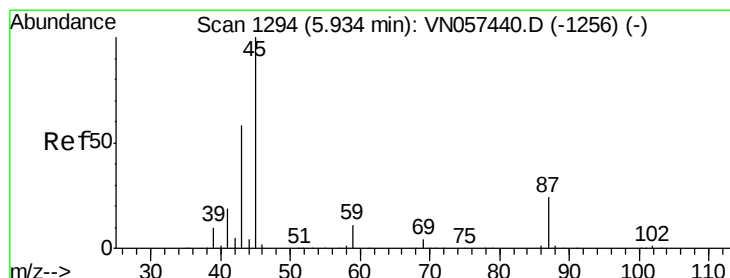
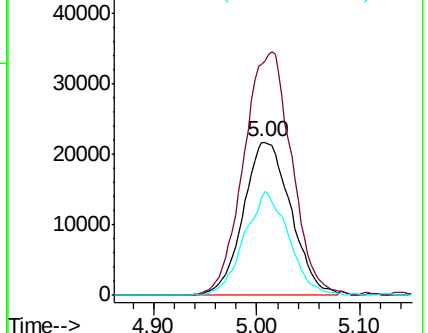
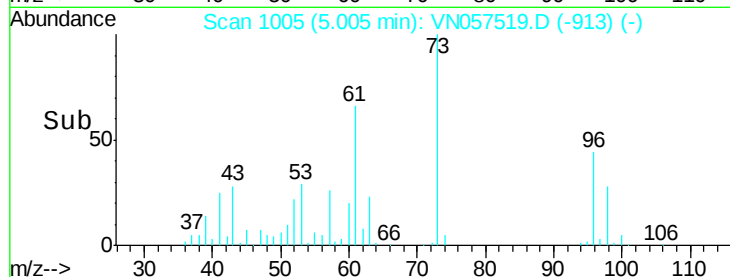
98 63.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.239 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion: 45 Resp: 311590

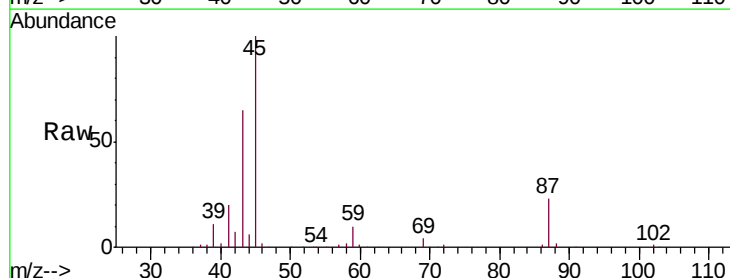
Ion Ratio Lower Upper

45 100

43 61.8 46.9 70.3

87 22.7 19.3 28.9

59 9.6 8.7 13.1

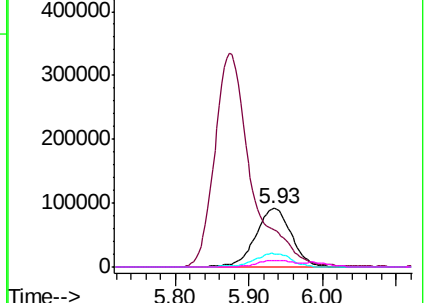
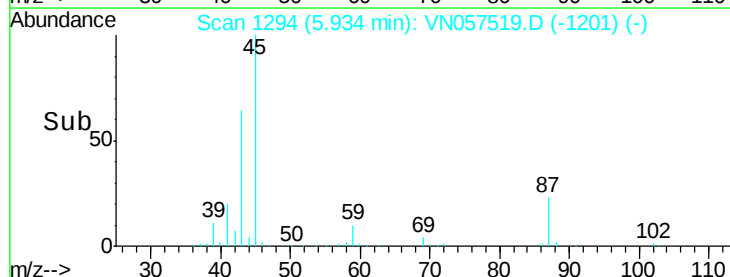


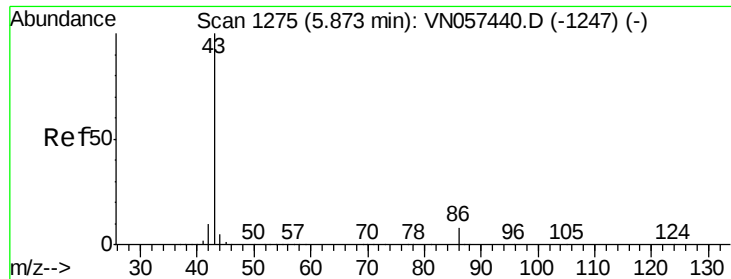
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

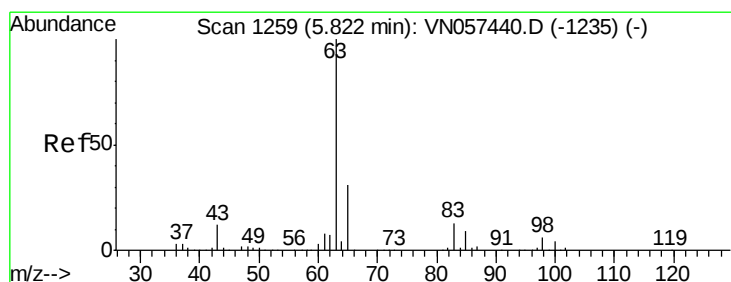
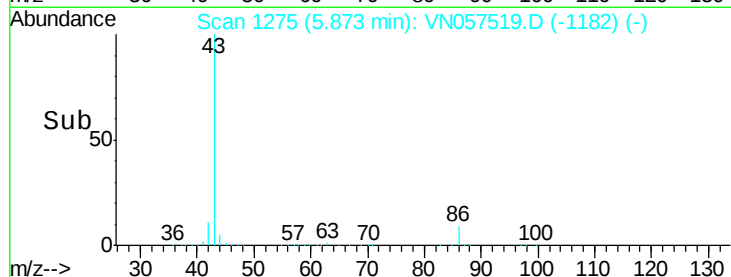
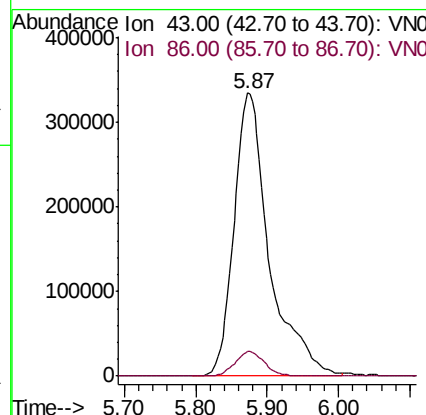
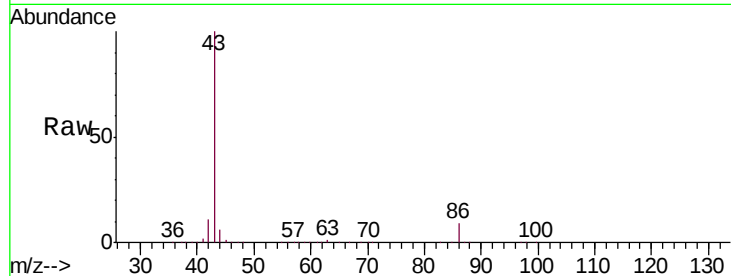




#23
 Vinyl Acetate
 Concen: 90.870 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

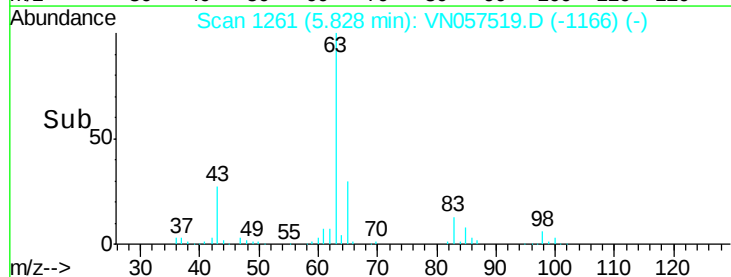
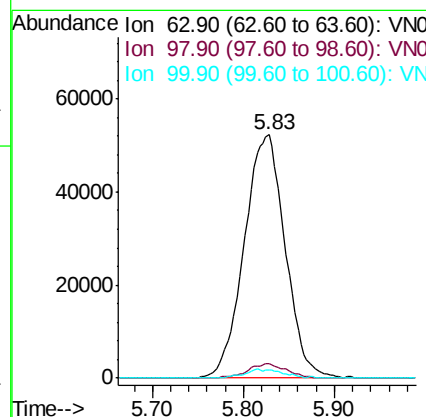
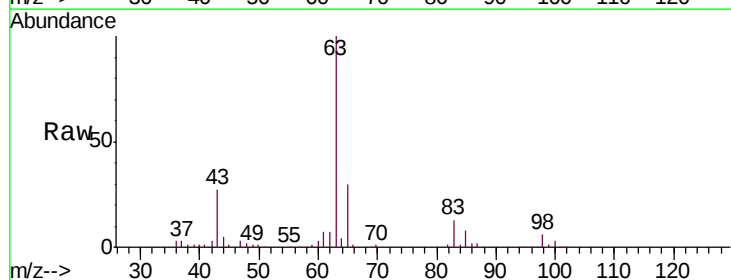
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

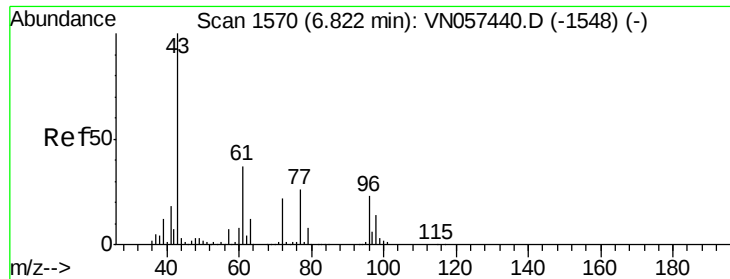
Tgt Ion: 43 Resp: 1149517
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 19.019 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 63 Resp: 163249
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 3.4 2.1 6.3





#25

2-Butanone

Concen: 92.179 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

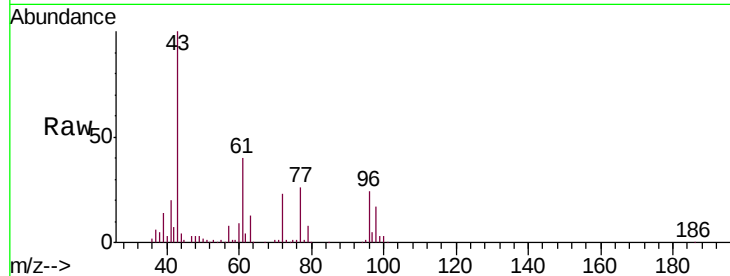
VN0826WBSD02

Tgt Ion: 43 Resp: 271184

Ion Ratio Lower Upper

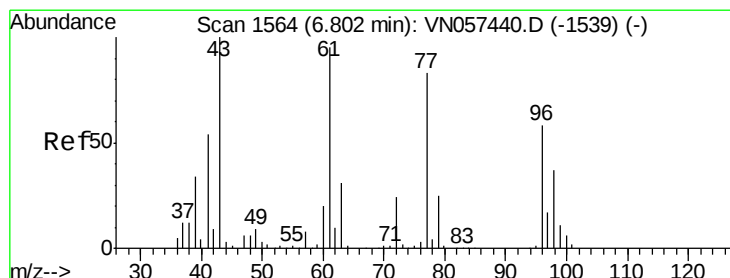
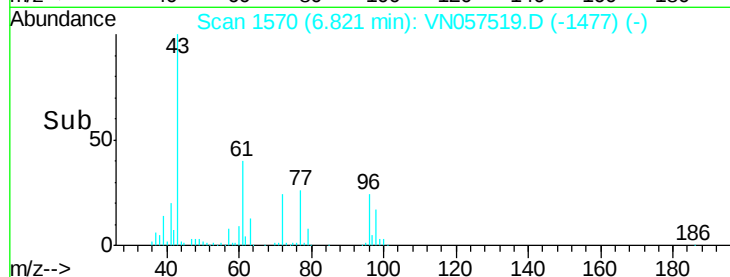
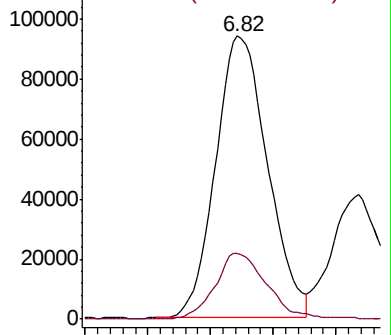
43 100

72 23.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.480 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057519.D

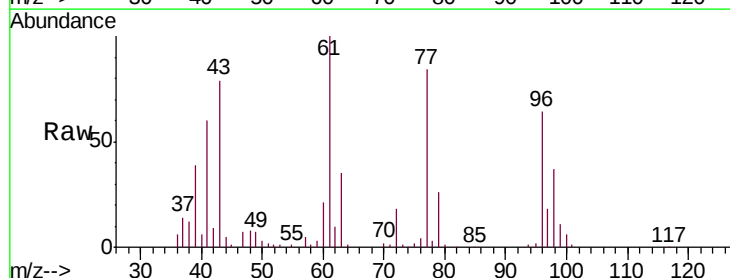
Acq: 26 Aug 2019 19:05

Tgt Ion: 77 Resp: 122495

Ion Ratio Lower Upper

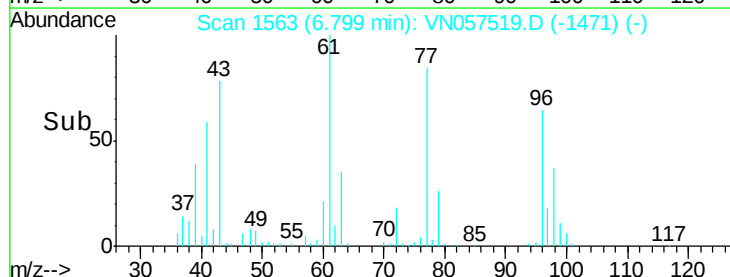
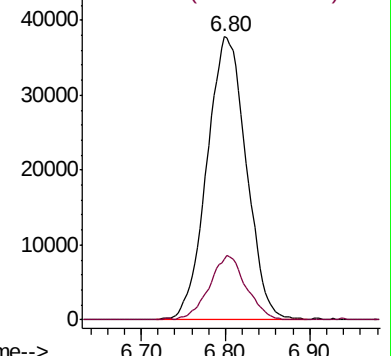
77 100

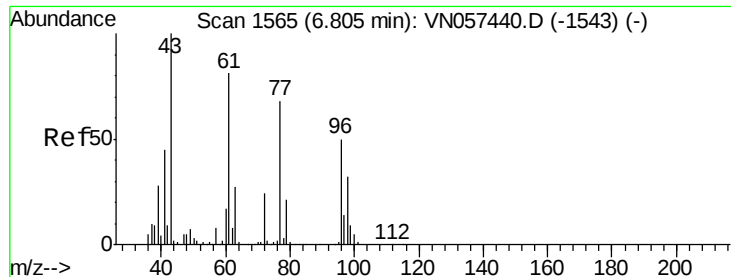
97 21.1 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.603 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

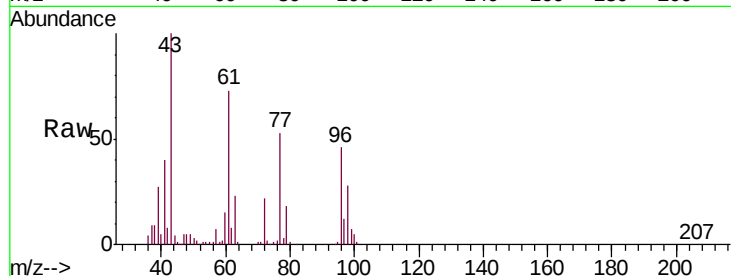
Tgt Ion: 96 Resp: 88831

Ion Ratio Lower Upper

96 100

61 165.9 0.0 334.8

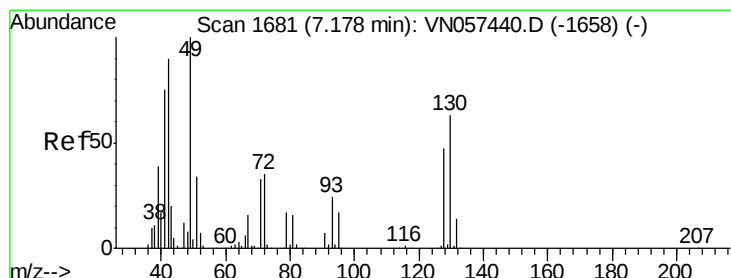
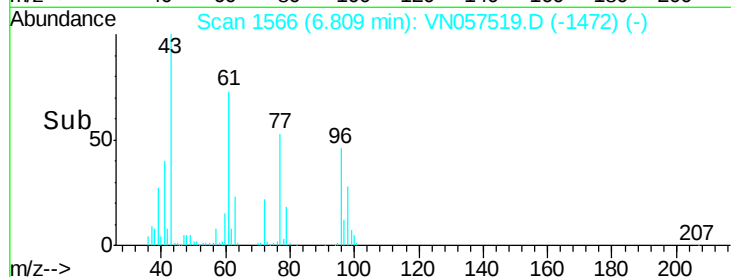
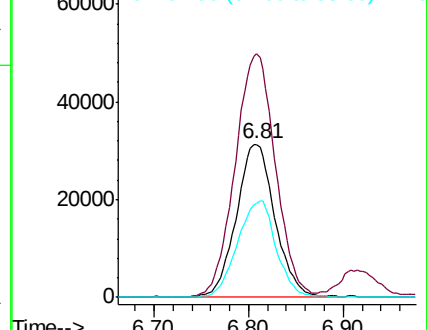
98 63.3 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 22.026 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

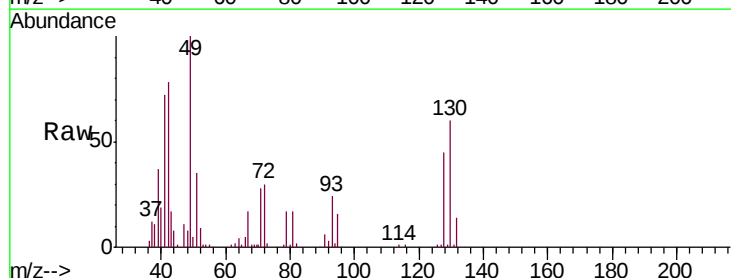
Tgt Ion: 49 Resp: 101810

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.6

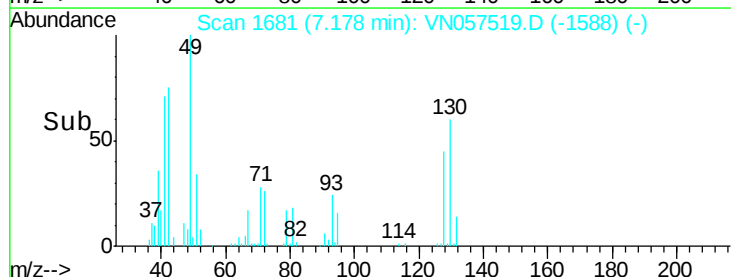
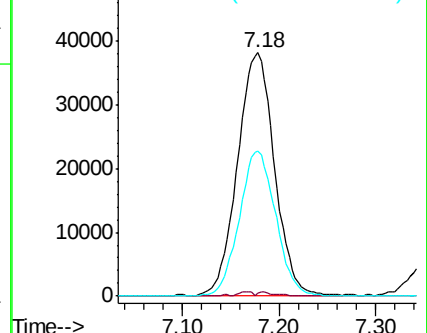
130 58.6 48.6 72.8

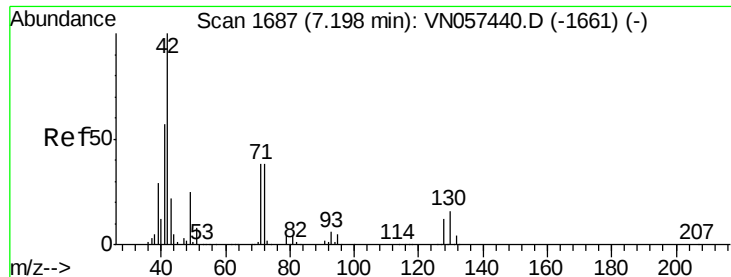


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

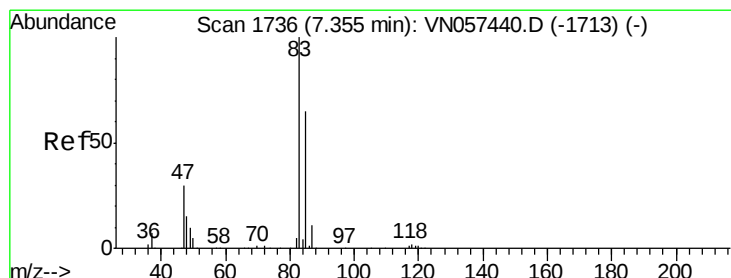
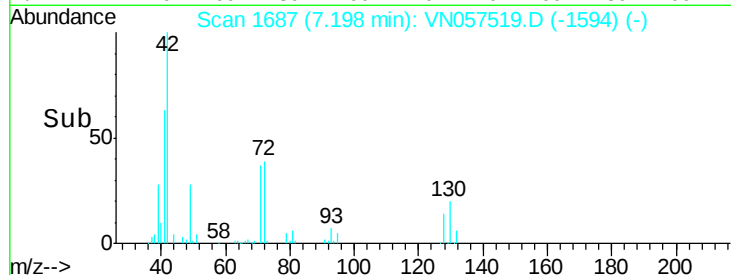
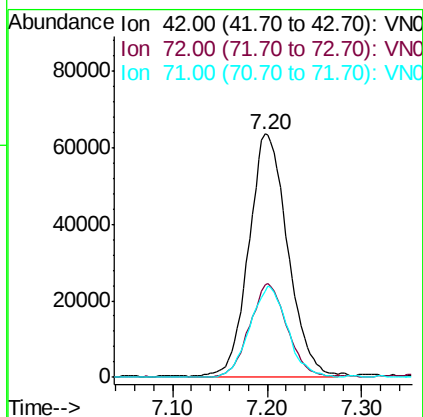
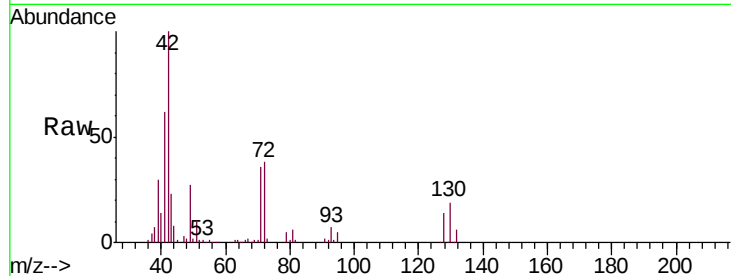




#29
Tetrahydrofuran
Concen: 92.897 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

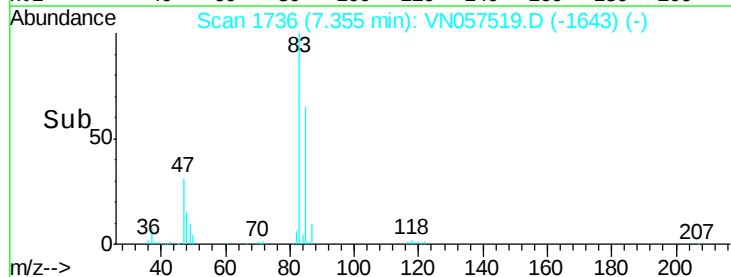
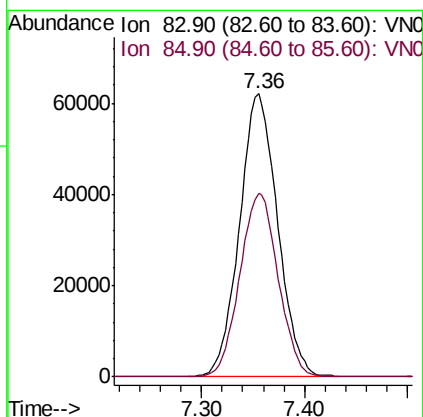
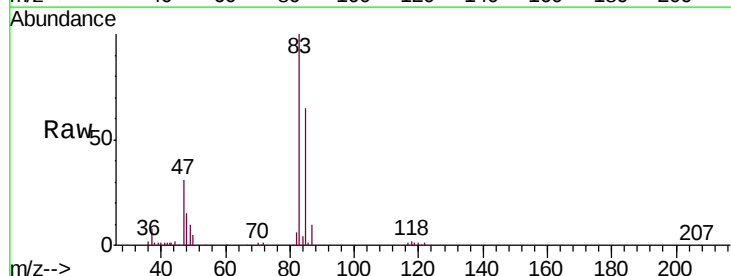
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

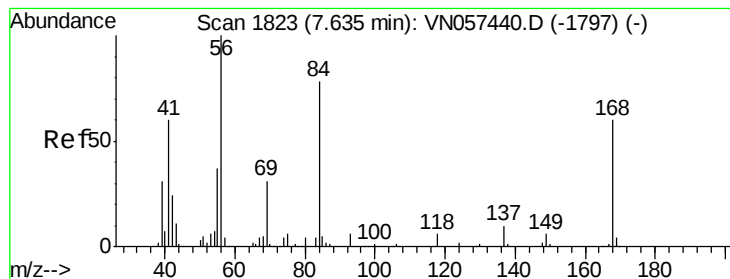
Tgt Ion: 42 Resp: 180210
Ion Ratio Lower Upper
42 100
72 37.2 30.1 45.1
71 36.4 28.8 43.2



#30
Chloroform
Concen: 20.103 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 83 Resp: 159746
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9





#31

Cyclohexane

Concen: 19.702 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

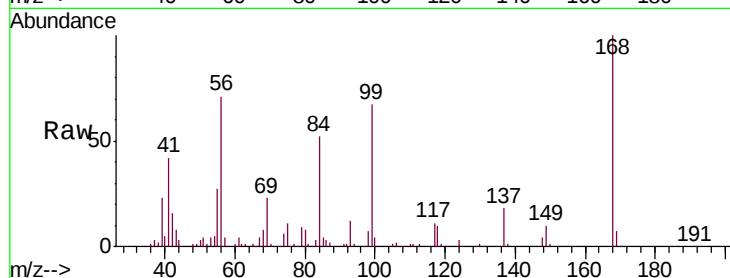
Tgt Ion: 56 Resp: 163269

Ion Ratio Lower Upper

56 100

69 32.6 25.0 37.6

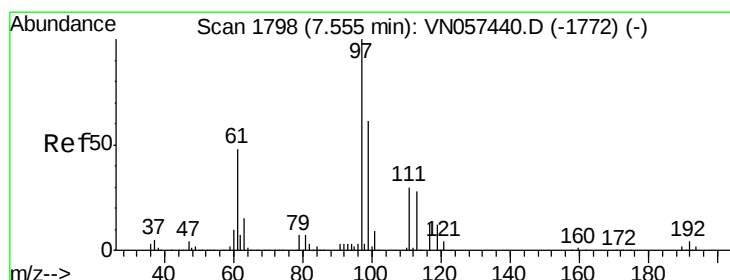
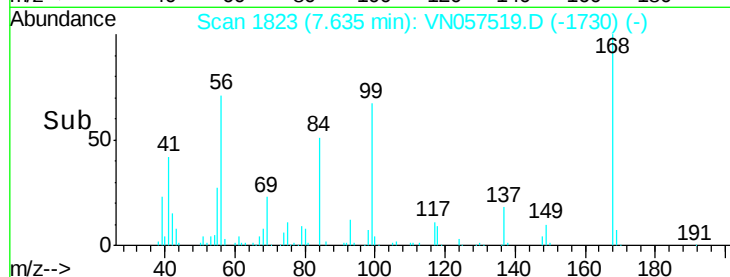
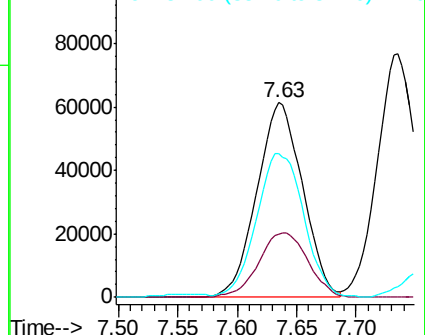
84 72.1 62.5 93.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.325 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

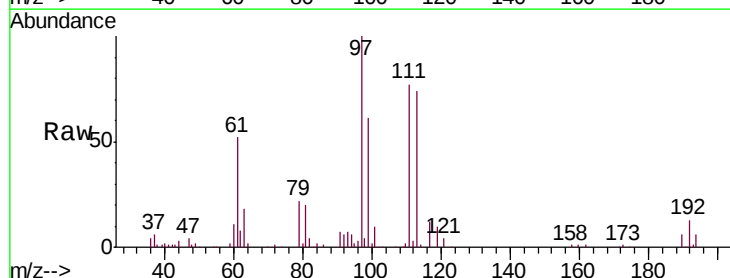
Tgt Ion: 97 Resp: 134926

Ion Ratio Lower Upper

97 100

99 62.7 51.0 76.6

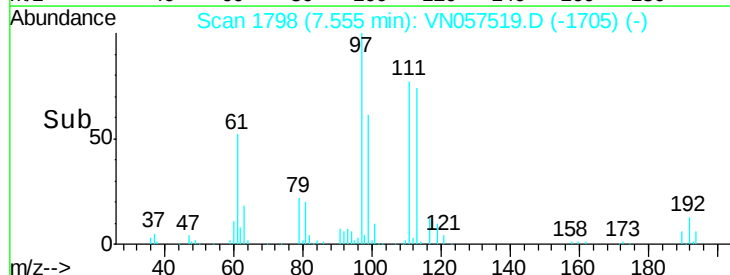
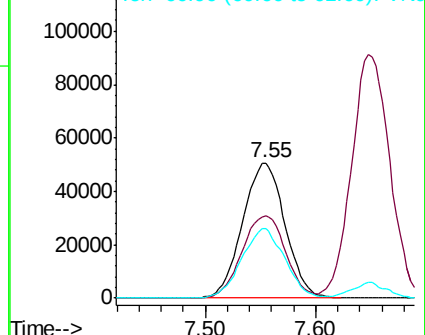
61 52.1 39.8 59.6

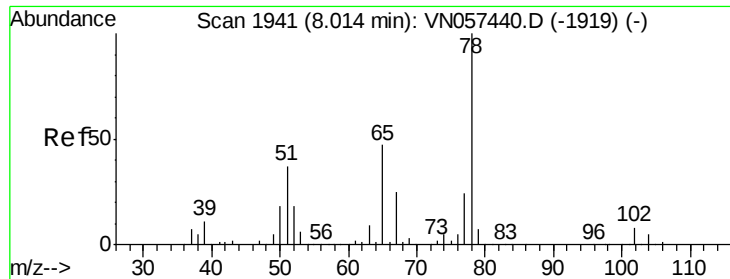


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 53.862 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

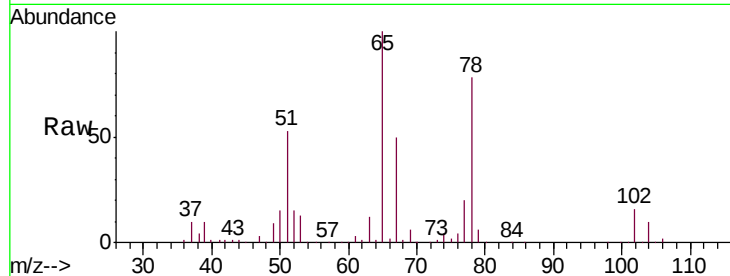
VN0826WBSD02

Tgt Ion: 65 Resp: 317760

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN057440.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN057440.D (-1919) (-)

8.01

150000

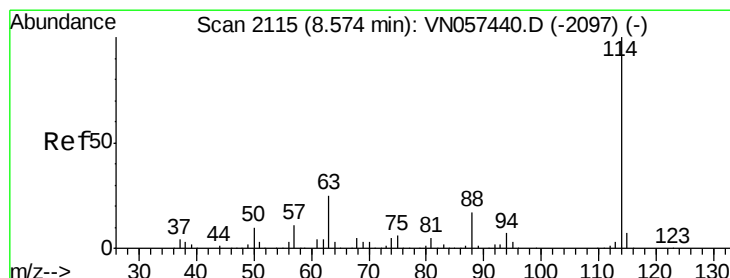
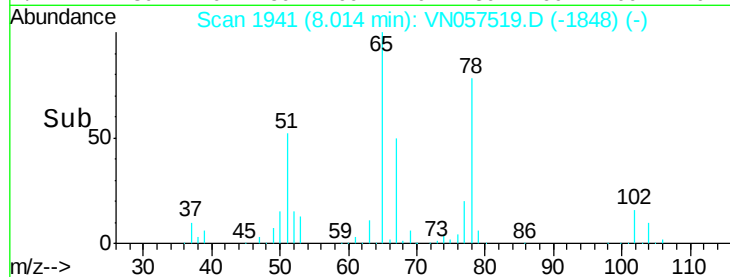
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

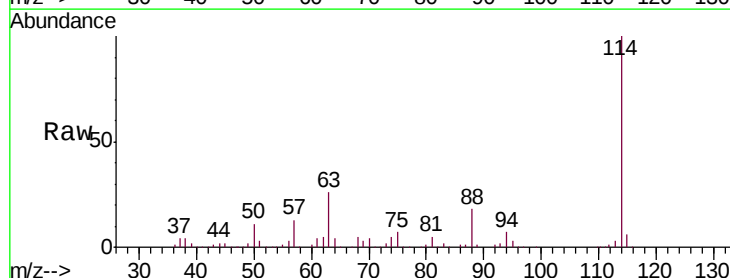
Tgt Ion: 114 Resp: 620900

Ion Ratio Lower Upper

114 100

63 26.5 0.0 50.2

88 18.0 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): VN057440.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057440.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057440.D (-2097) (-)

8.57

400000

300000

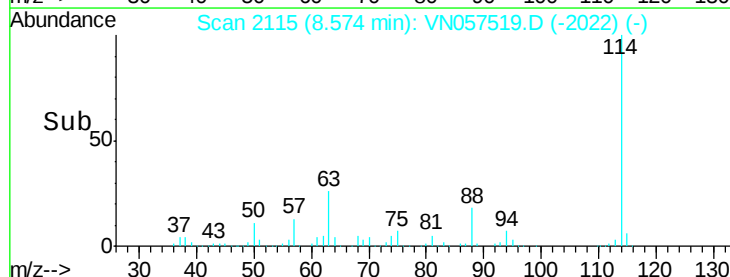
200000

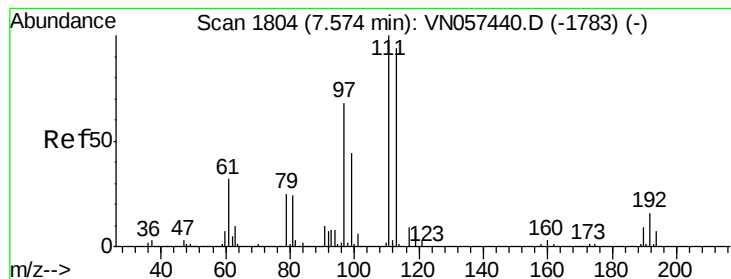
100000

0

8.50 8.55 8.60 8.65

Time-->





#35

Dibromofluoromethane

Concen: 49.108 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

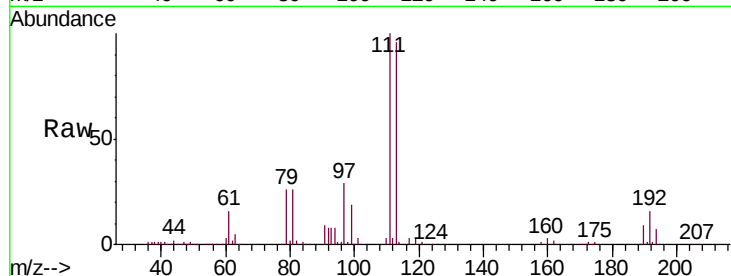
Tgt Ion: 113 Resp: 205953

Ion Ratio Lower Upper

113 100

111 104.9 83.8 125.6

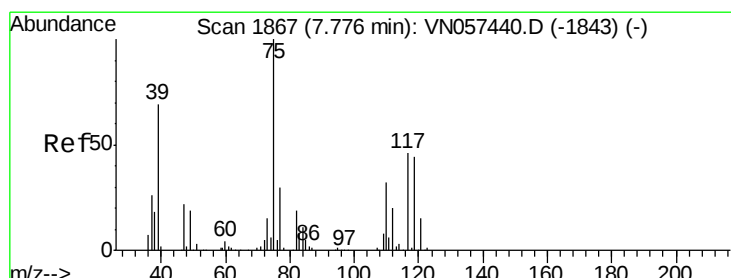
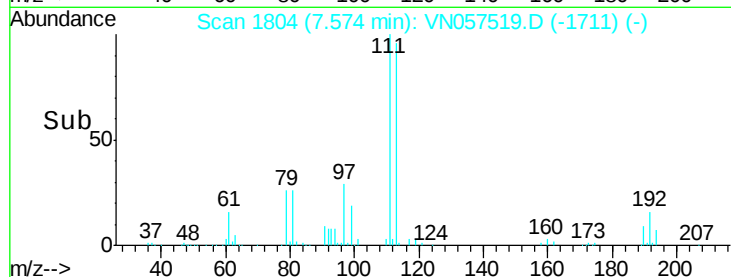
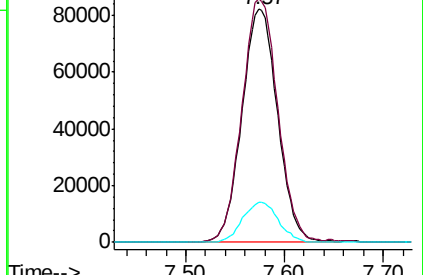
192 17.3 13.5 20.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.365 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

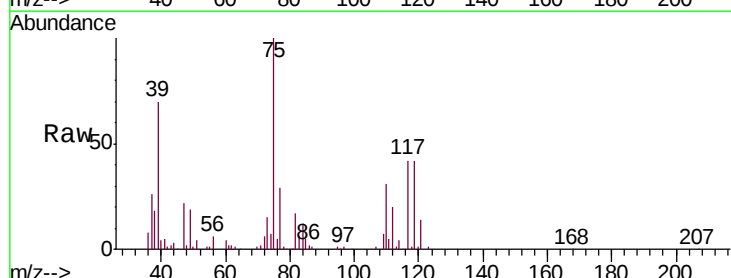
Tgt Ion: 75 Resp: 116515

Ion Ratio Lower Upper

75 100

110 31.9 16.1 48.3

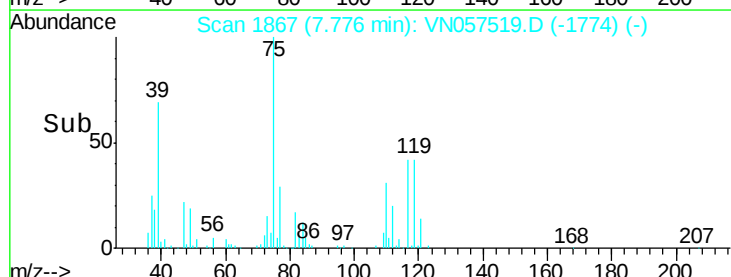
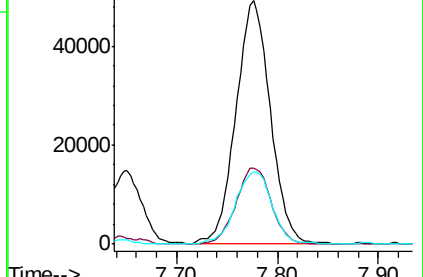
77 31.6 24.8 37.2

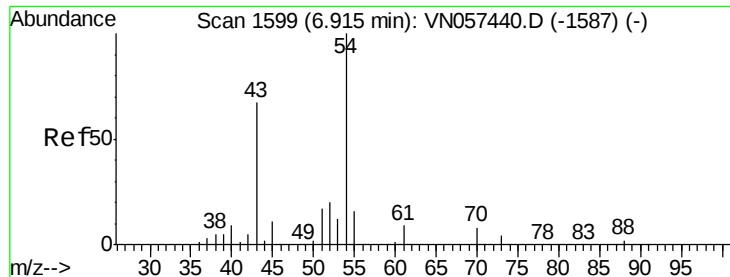


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

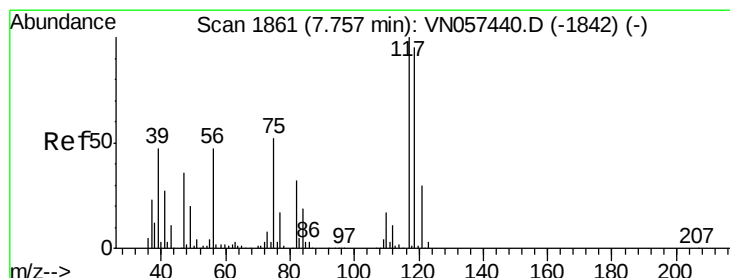
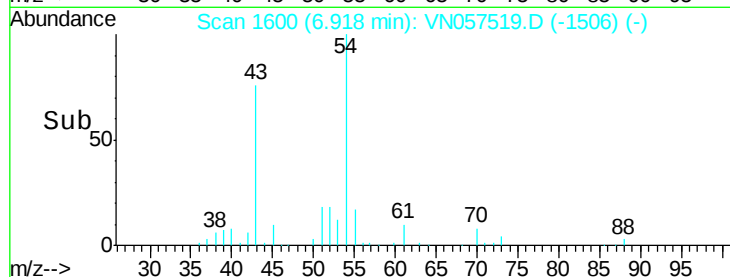
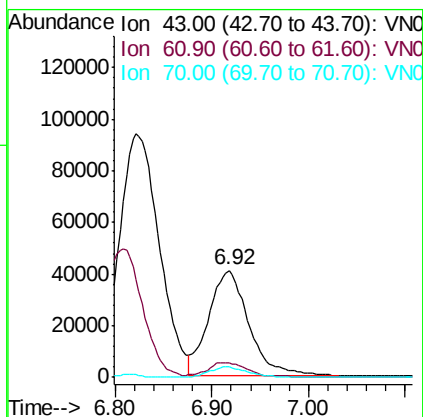
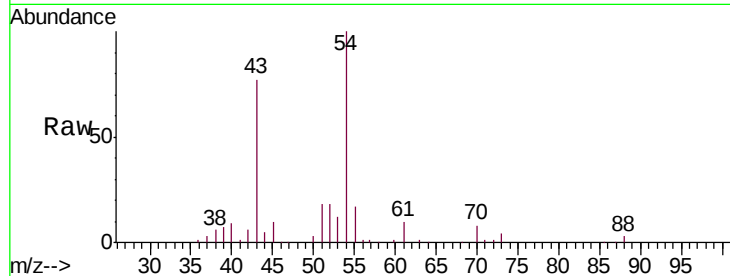




#37
 Ethyl Acetate
 Concen: 18.862 ug/l
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

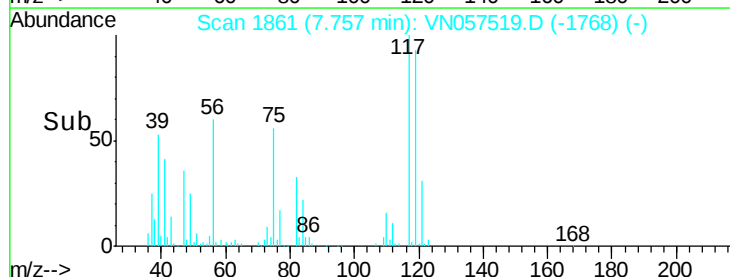
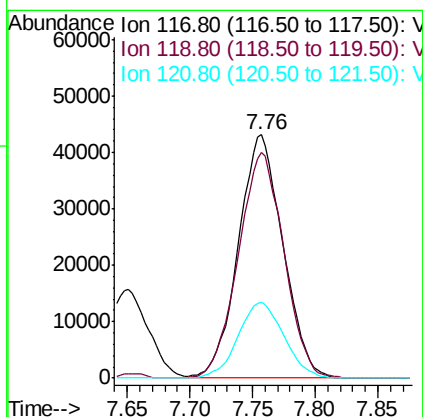
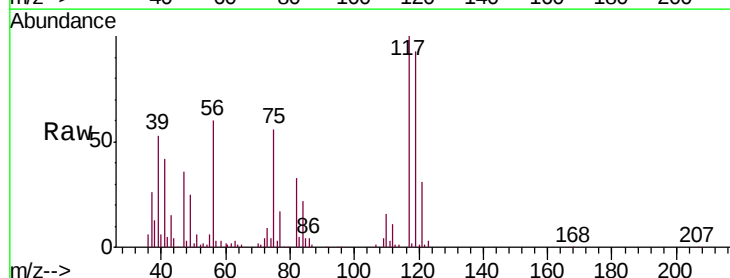
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

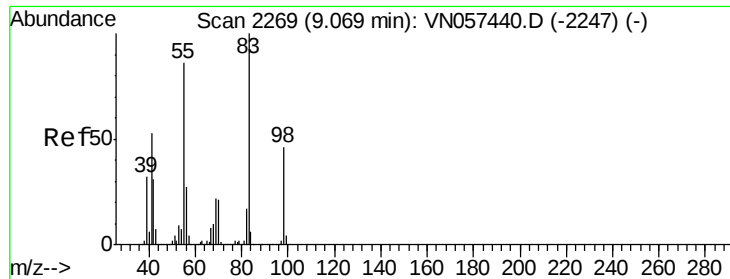
Tgt Ion: 43 Resp: 118249
 Ion Ratio Lower Upper
 43 100
 61 11.6 9.9 14.9
 70 9.3 7.0 10.6



#38
 Carbon Tetrachloride
 Concen: 16.914 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 117 Resp: 106606
 Ion Ratio Lower Upper
 117 100
 119 92.8 76.2 114.4
 121 31.1 23.8 35.6

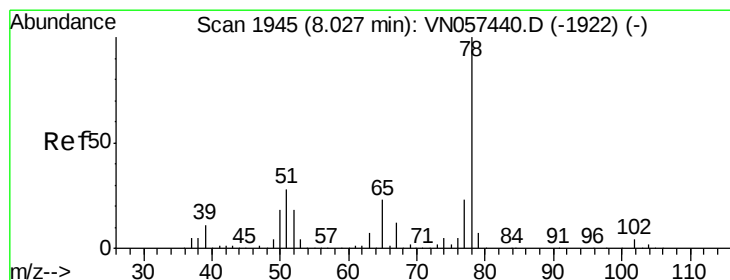
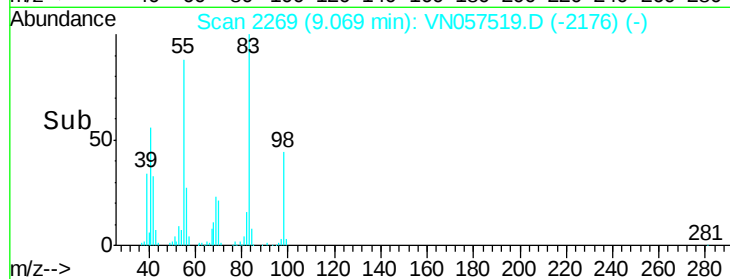
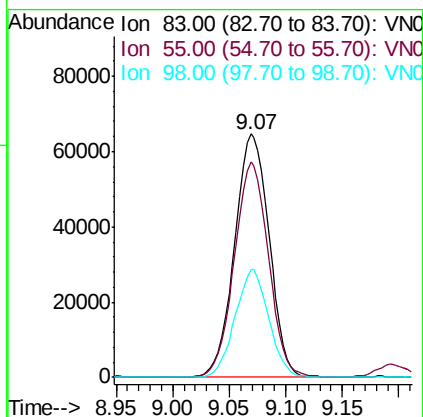
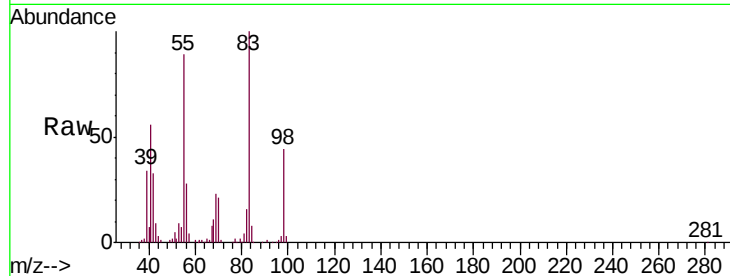




#39
Methylcyclohexane
Concen: 18.288 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

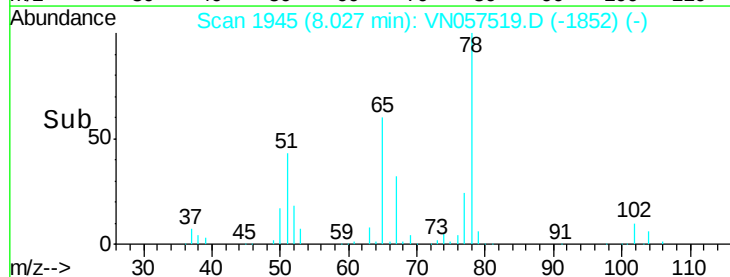
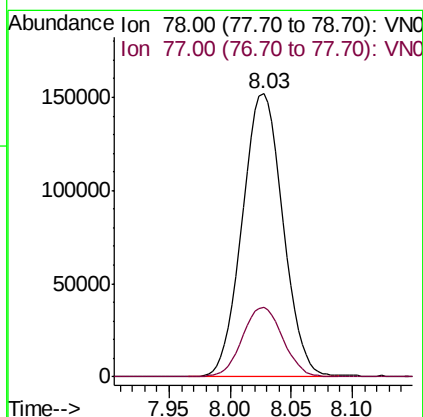
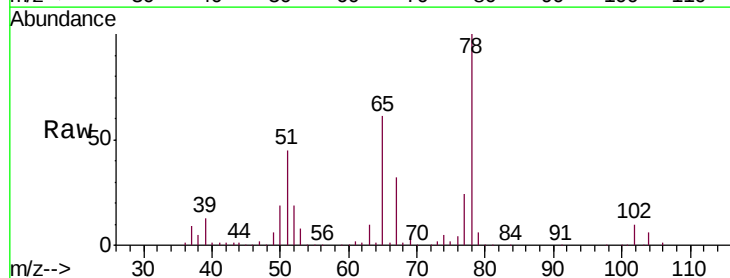
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

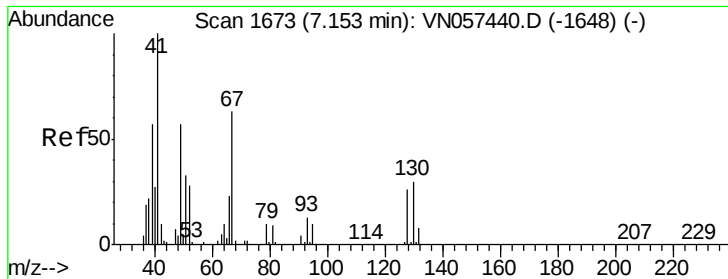
Tgt Ion: 83 Resp: 137795
Ion Ratio Lower Upper
83 100
55 88.5 68.6 102.8
98 44.2 36.6 54.8



#40
Benzene
Concen: 18.426 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 78 Resp: 350877
Ion Ratio Lower Upper
78 100
77 24.4 18.5 27.7





#41

Methacrylonitrile

Concen: 15.677 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tgt Ion: 41 Resp: 46865

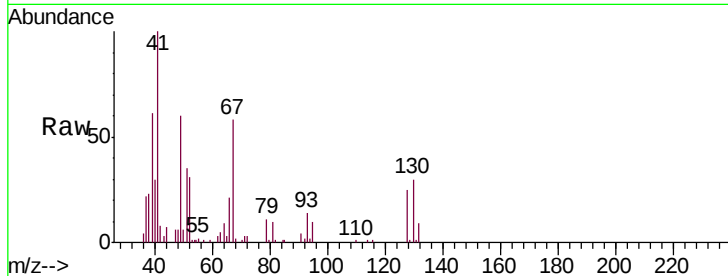
Ion Ratio Lower Upper

41 100

39 75.2 53.6 80.4

67 88.7 65.4 98.2

52 44.5 29.8 44.6

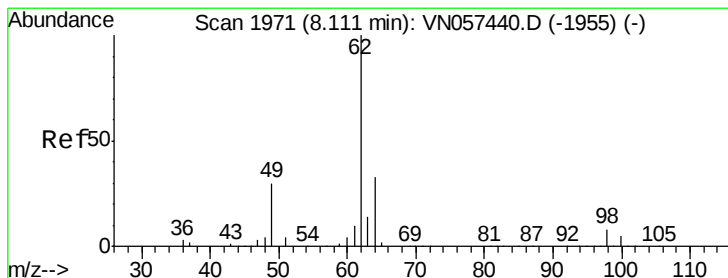
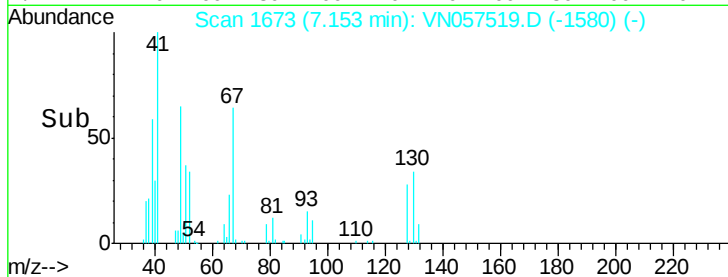
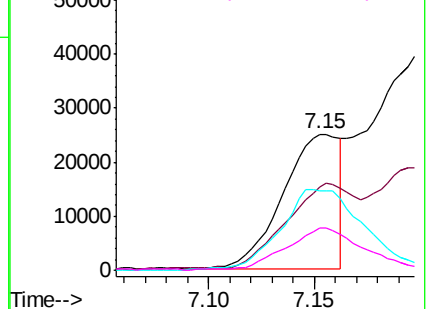


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 18.896 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057519.D

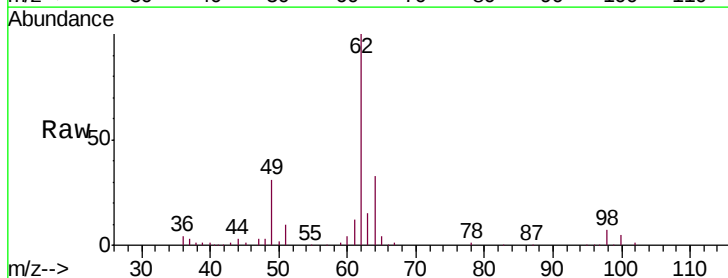
Acq: 26 Aug 2019 19:05

Tgt Ion: 62 Resp: 138543

Ion Ratio Lower Upper

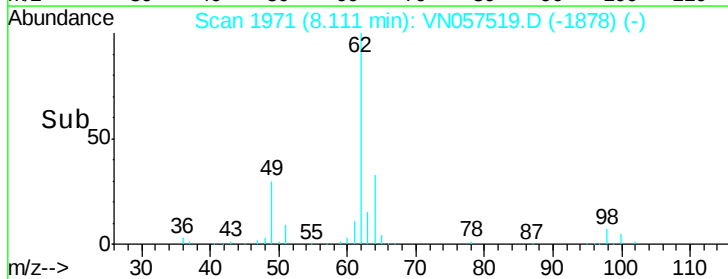
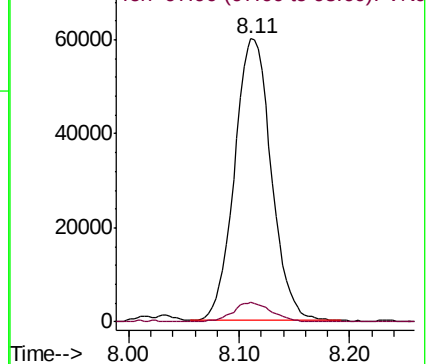
62 100

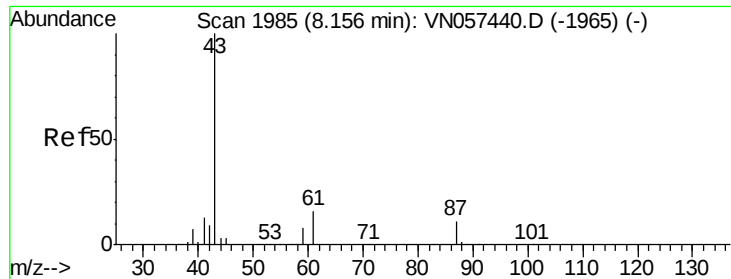
98 7.1 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.196 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

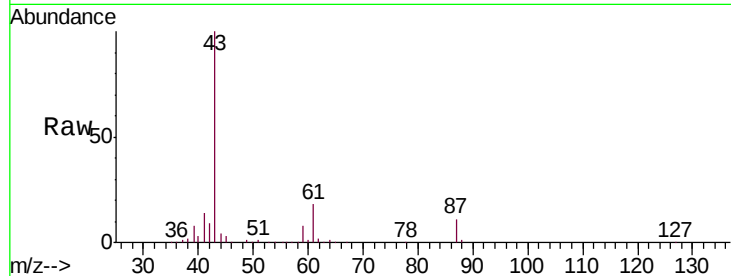
Tgt Ion: 43 Resp: 209161

Ion Ratio Lower Upper

43 100

61 18.4 14.5 21.7

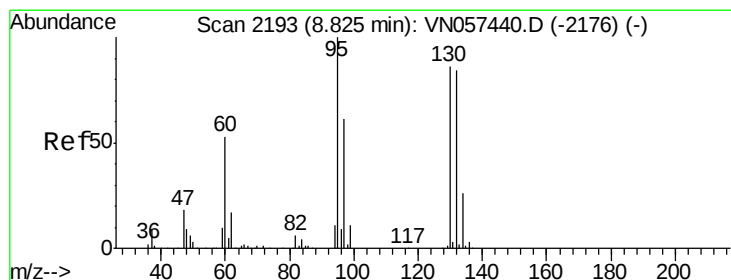
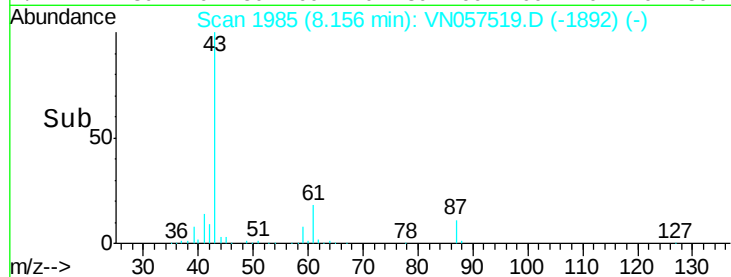
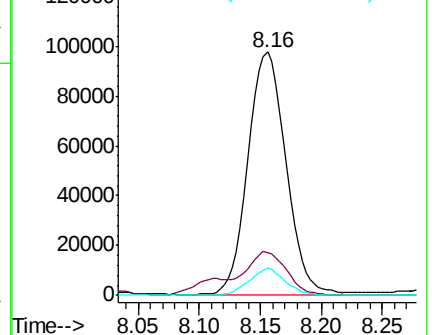
87 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 18.429 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057519.D

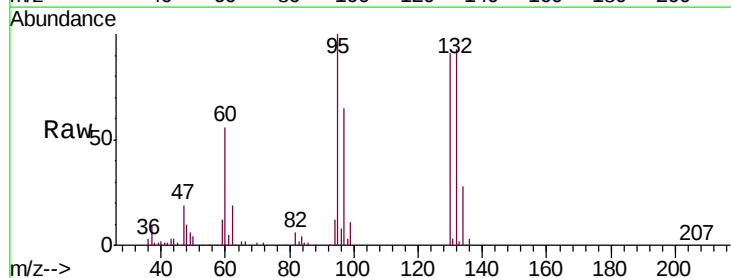
Acq: 26 Aug 2019 19:05

Tgt Ion: 130 Resp: 78336

Ion Ratio Lower Upper

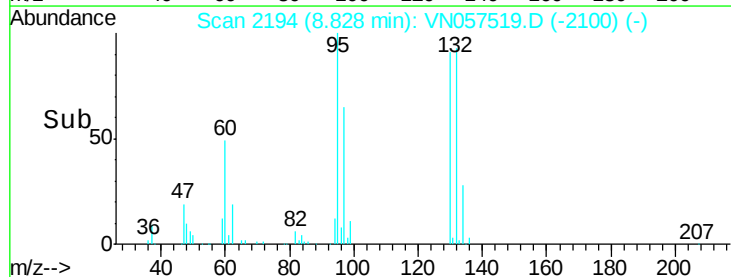
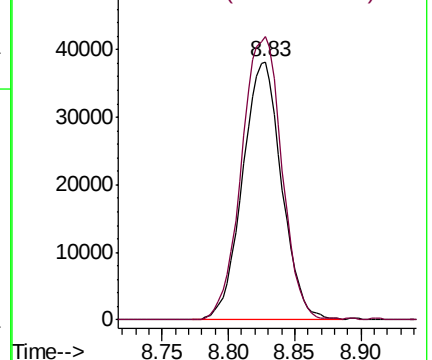
130 100

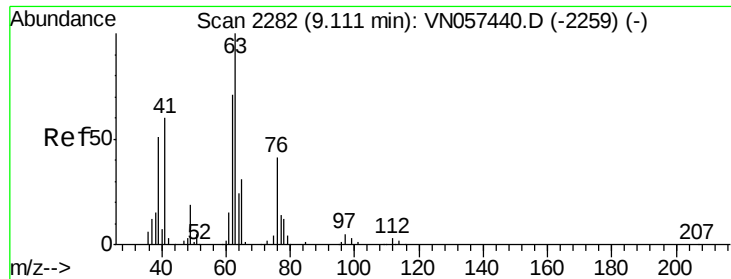
95 109.8 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 18.779 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

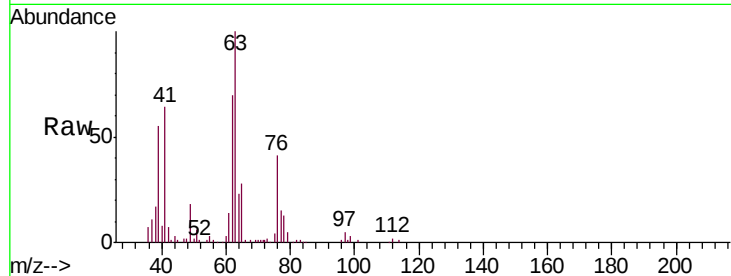
VN0826WBSD02

Tgt Ion: 63 Resp: 100709

Ion Ratio Lower Upper

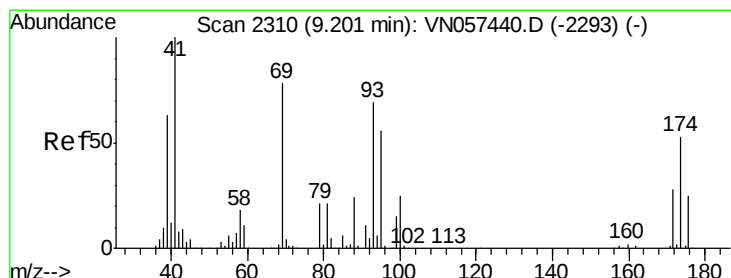
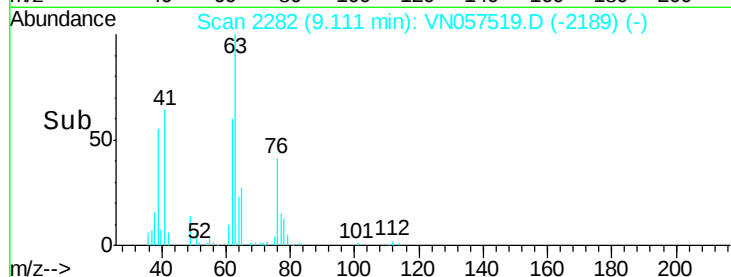
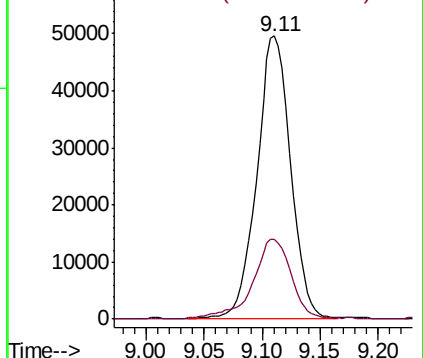
63 100

65 27.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.850 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

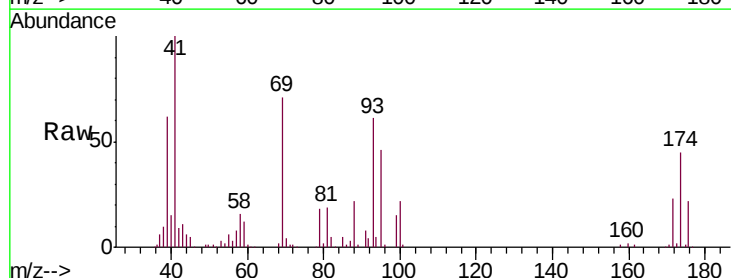
Tgt Ion: 93 Resp: 63105

Ion Ratio Lower Upper

93 100

95 80.4 64.7 97.1

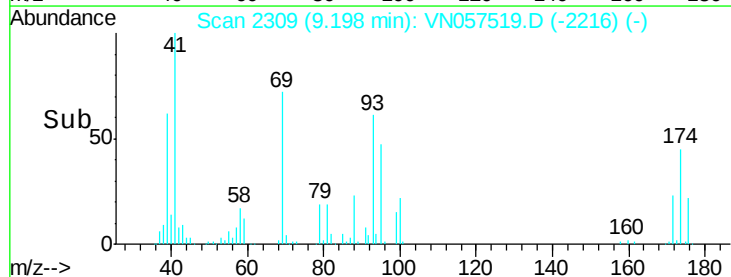
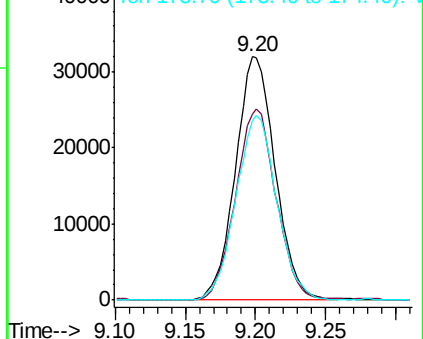
174 78.2 62.3 93.5

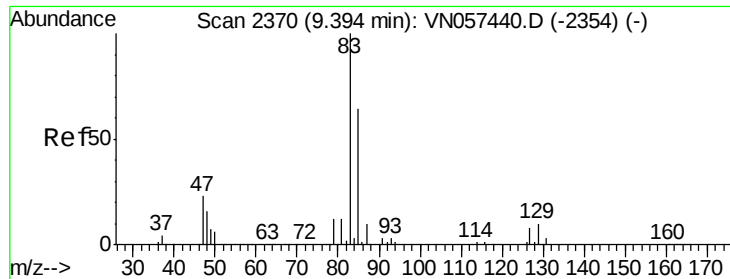


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.977 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

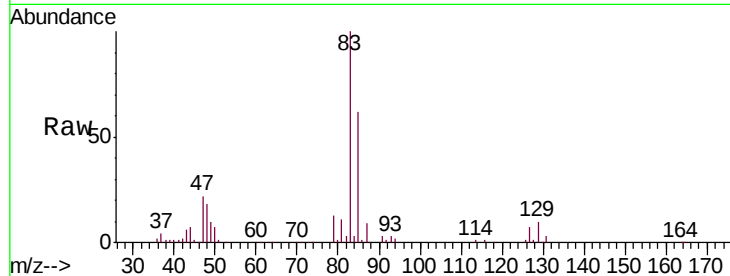
Tgt Ion: 83 Resp: 127188

Ion Ratio Lower Upper

83 100

85 61.6 51.2 76.8

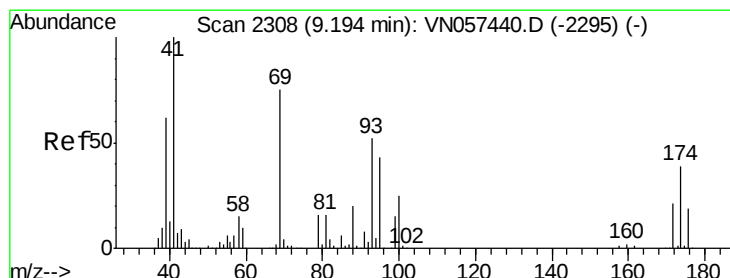
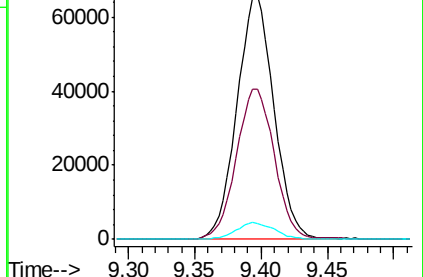
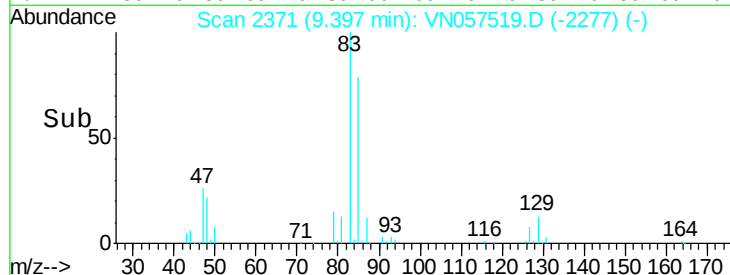
127 6.6 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.526 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

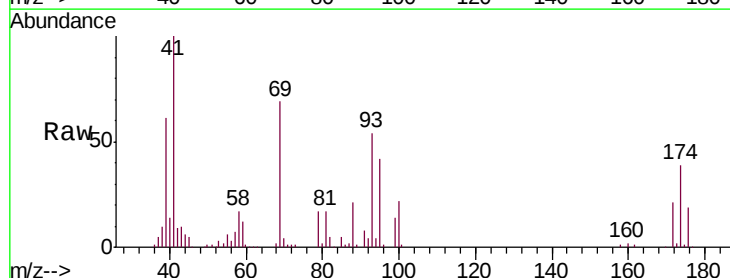
Tgt Ion: 41 Resp: 101264

Ion Ratio Lower Upper

41 100

69 75.7 59.3 88.9

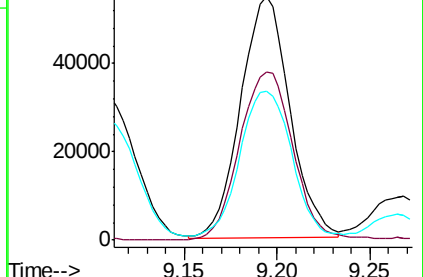
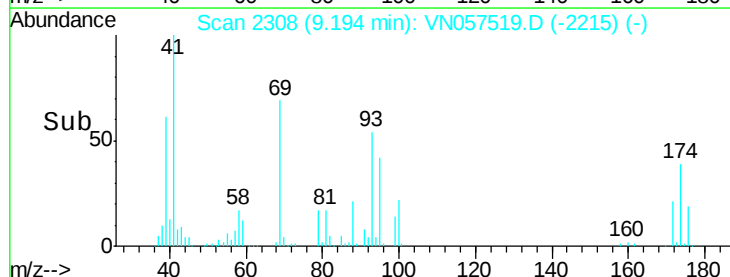
39 65.4 50.6 75.8

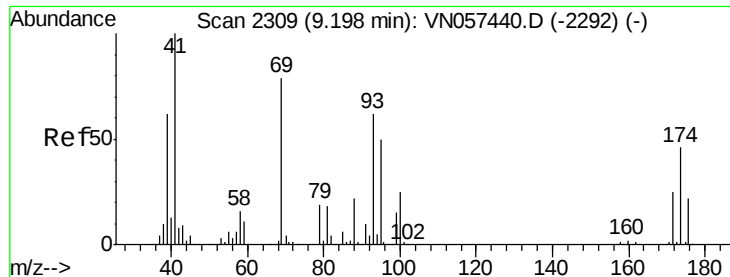


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 375.170 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

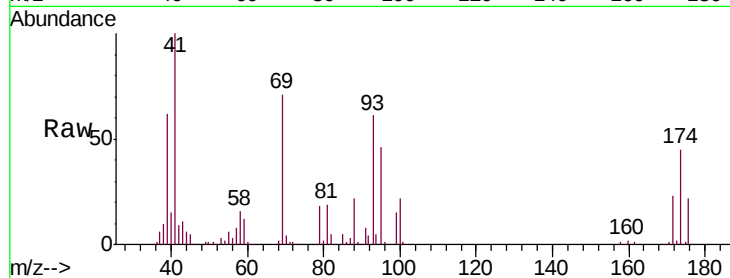
Tgt Ion: 88 Resp: 26519

Ion Ratio Lower Upper

88 100

43 41.3 31.0 46.6

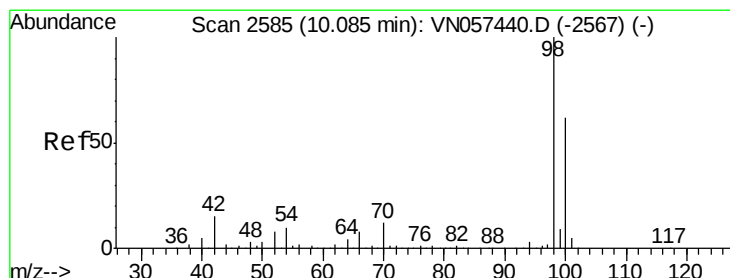
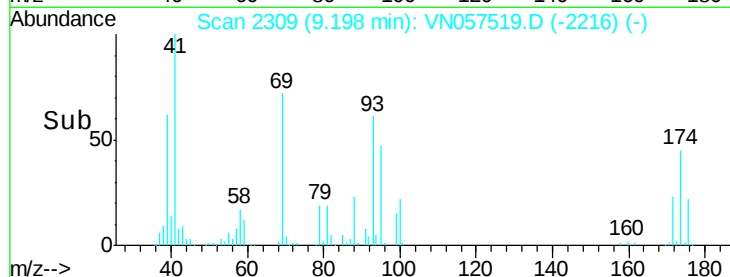
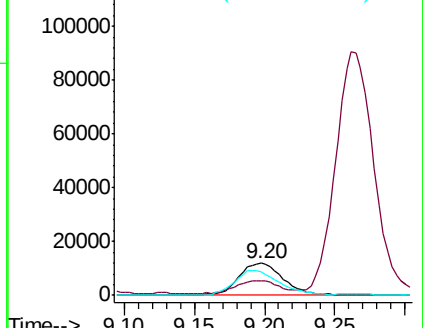
58 79.4 64.5 96.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.176 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057519.D

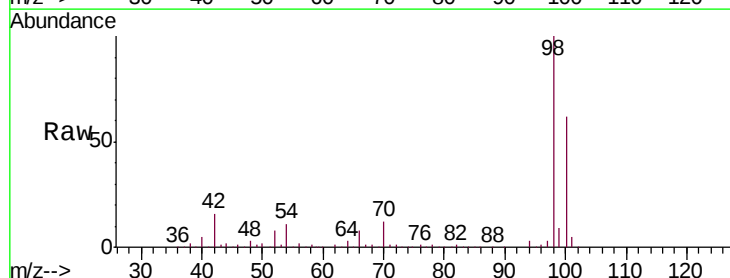
Acq: 26 Aug 2019 19:05

Tgt Ion: 98 Resp: 827407

Ion Ratio Lower Upper

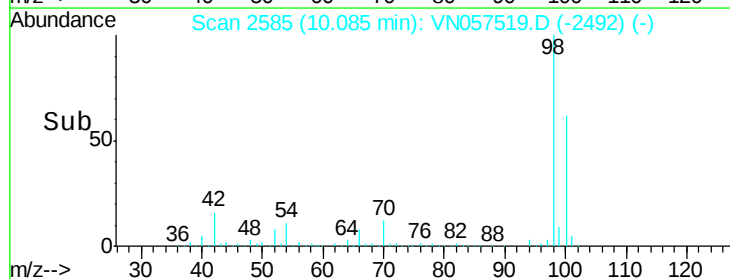
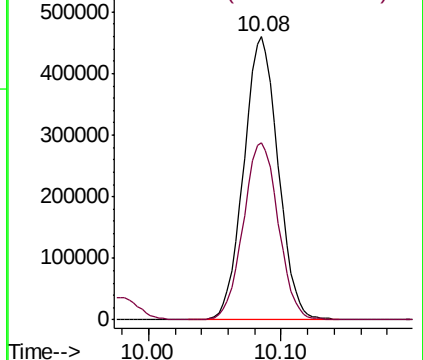
98 100

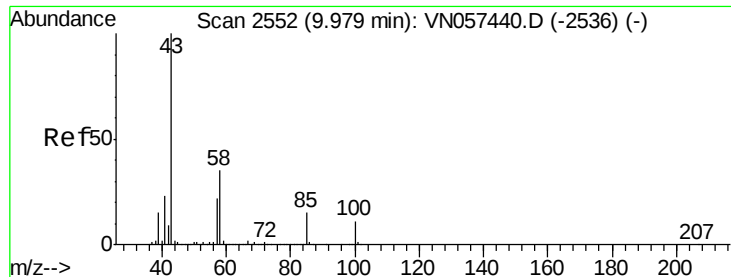
100 63.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

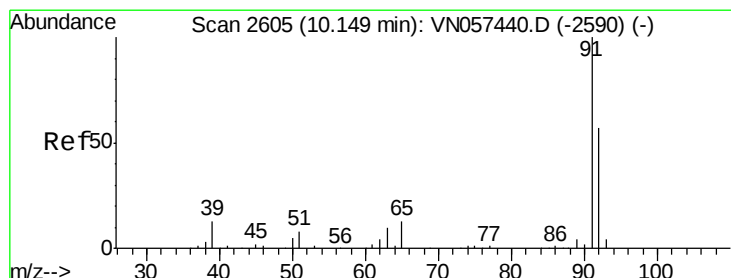
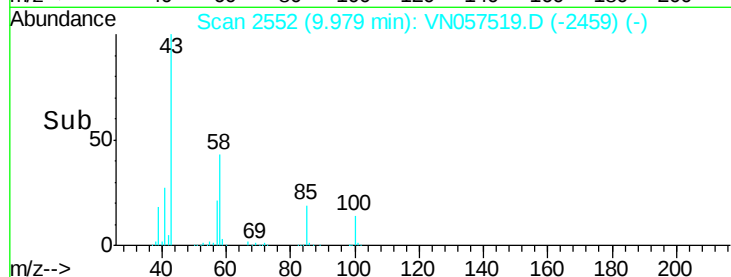
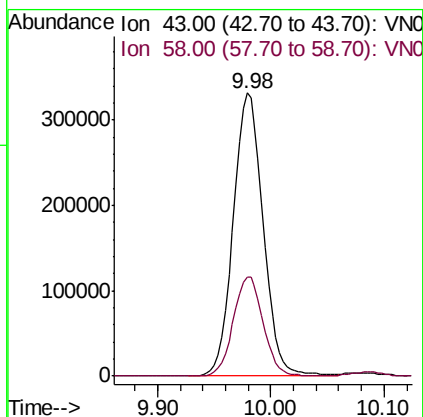
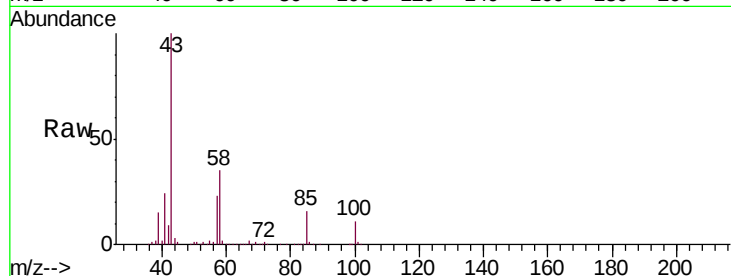




#51
 4-Methyl-2-Pentanone
 Concen: 94.808 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

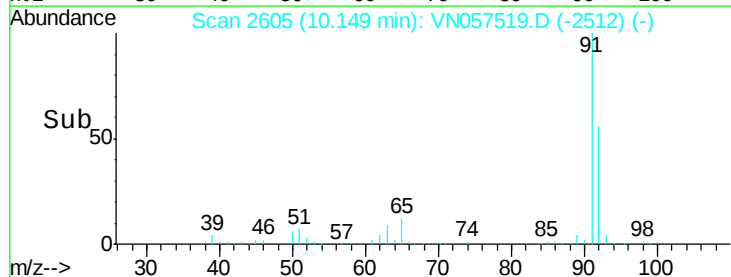
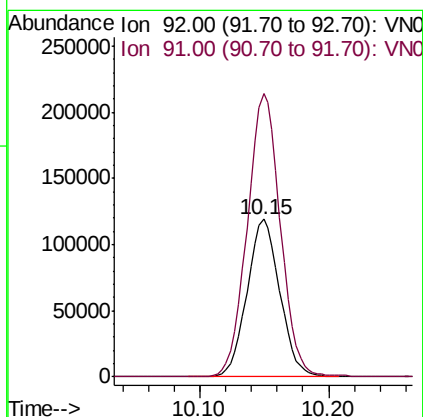
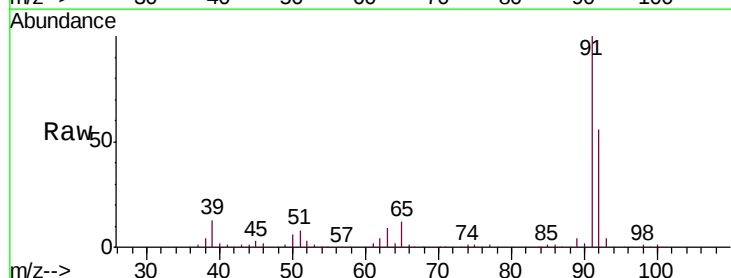
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

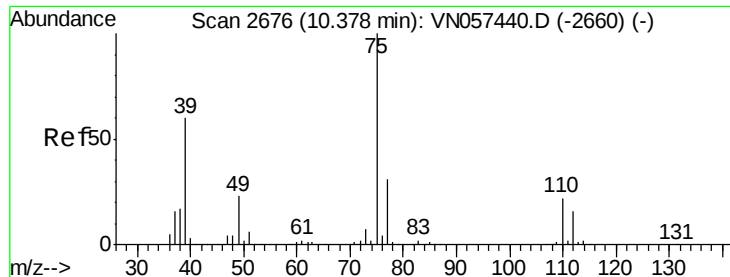
Tgt Ion: 43 Resp: 607379
 Ion Ratio Lower Upper
 43 100
 58 35.3 27.9 41.9



#52
 Toluene
 Concen: 19.291 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 92 Resp: 211720
 Ion Ratio Lower Upper
 92 100
 91 180.4 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 17.145 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

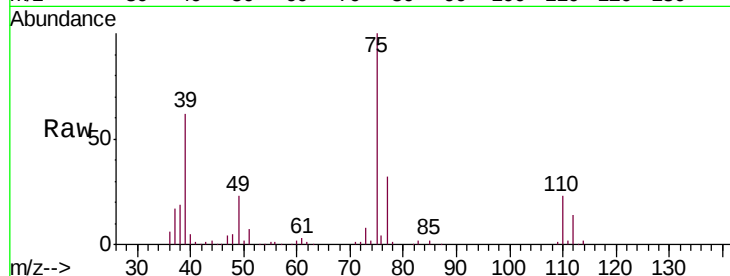
VN0826WBSD02

Tgt Ion: 75 Resp: 127056

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

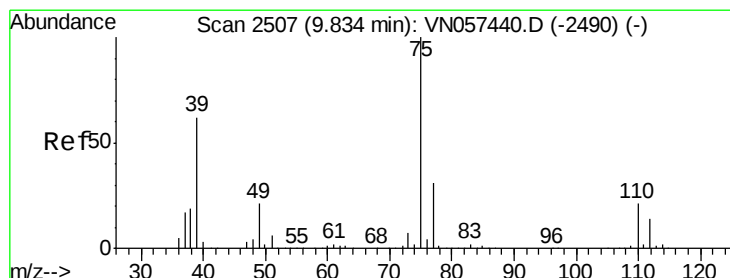
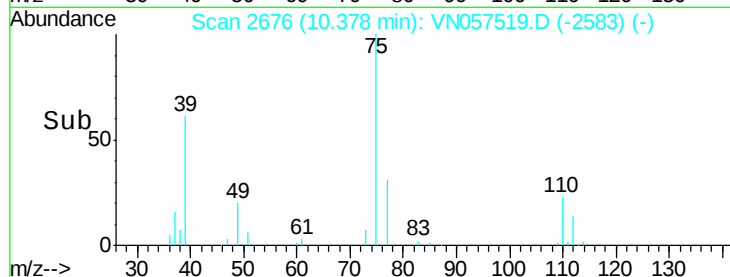
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 17.188 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

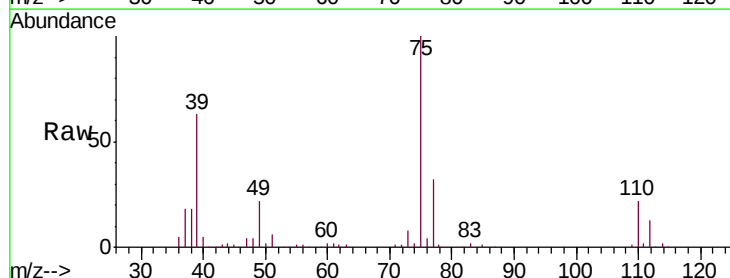
Tgt Ion: 75 Resp: 141820

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6

39 62.4 49.2 73.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

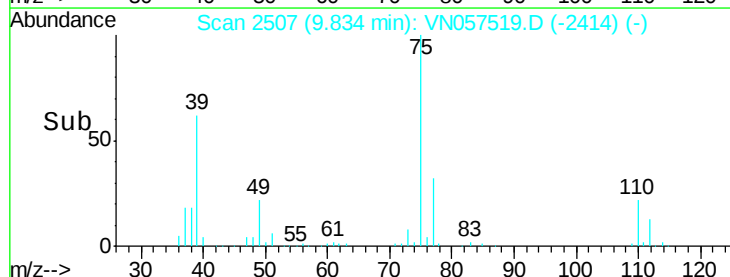
60000

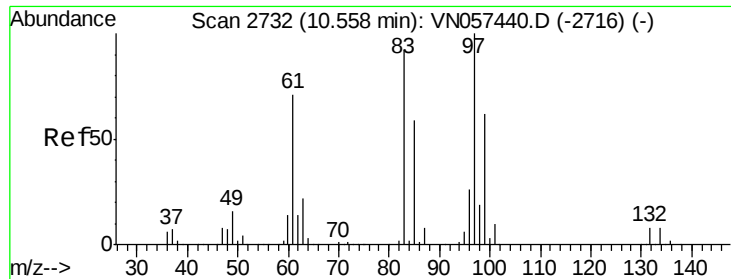
40000

20000

0

Time-->

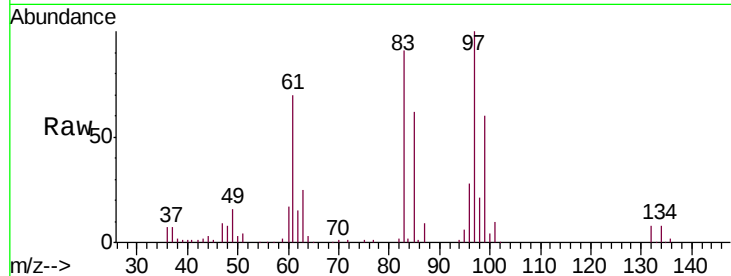




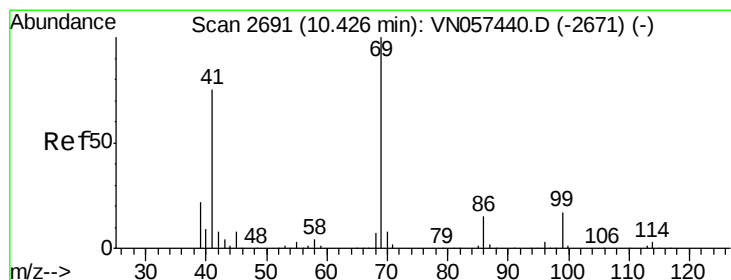
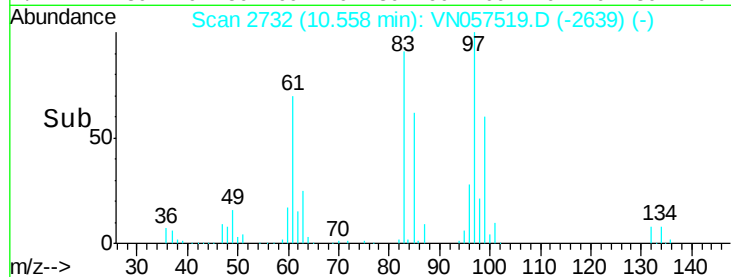
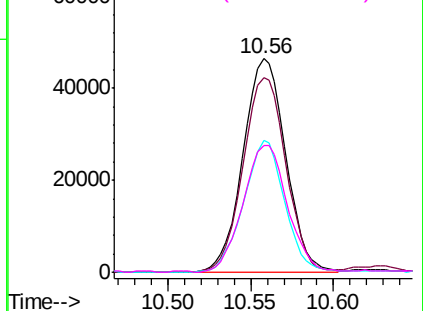
#55
 1,1,2-Trichloroethane
 Concen: 18.712 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tgt Ion:	97	Resp:	83051
Ion	Ratio	Lower	Upper
97	100		
83	91.4	73.7	110.5
85	61.8	46.8	70.2
99	59.3	49.8	74.8

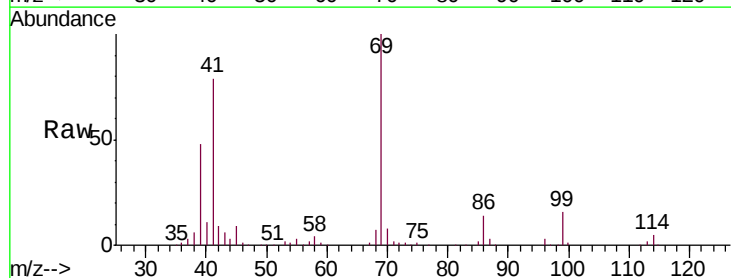


Abundance Ion 96.90 (96.60 to 97.60): VN057519.D (-2639) (-)

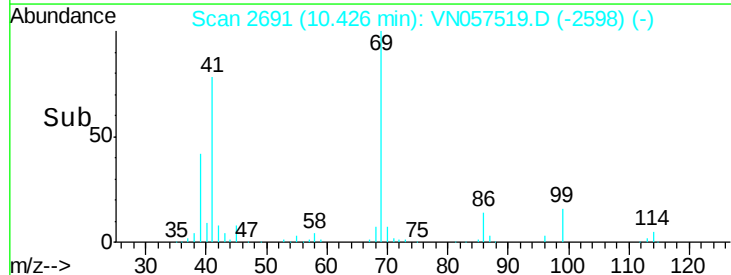
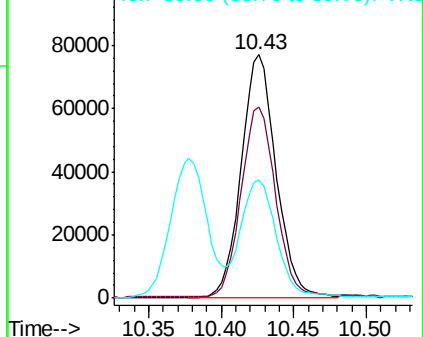


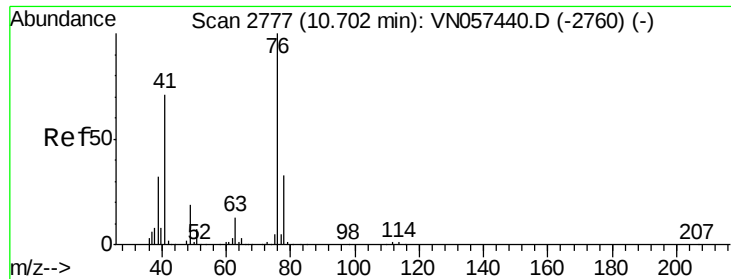
#56
 Ethyl methacrylate
 Concen: 18.538 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion:	69	Resp:	129428
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.8	91.2
39	48.7	36.5	54.7



Abundance Ion 69.00 (68.70 to 69.70): VN057519.D (-2598) (-)





#57

1,3-Dichloropropane

Concen: 18.984 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

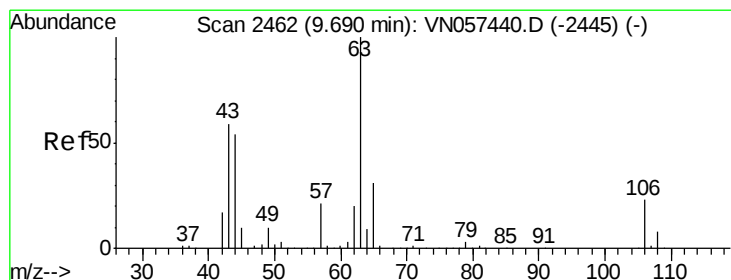
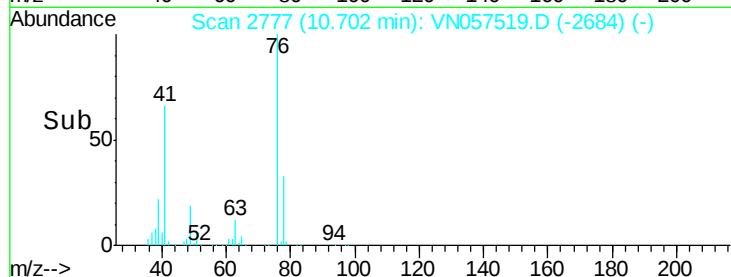
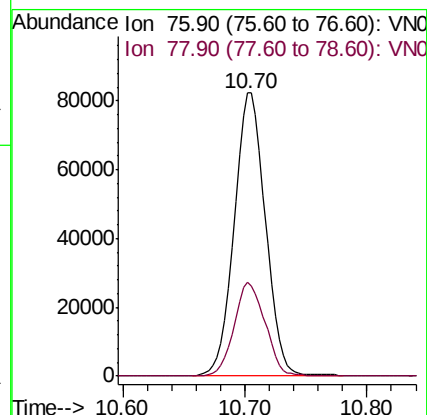
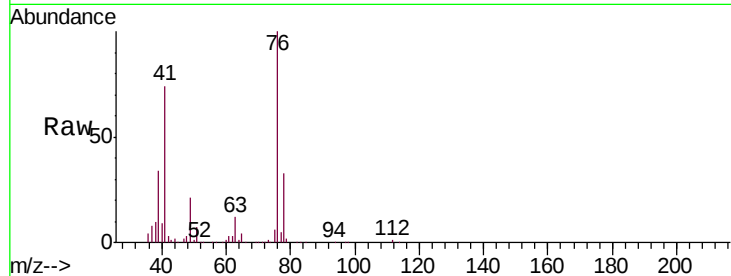
VN0826WBSD02

Tgt Ion: 76 Resp: 146642

Ion Ratio Lower Upper

76 100

78 32.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 114.073 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057519.D

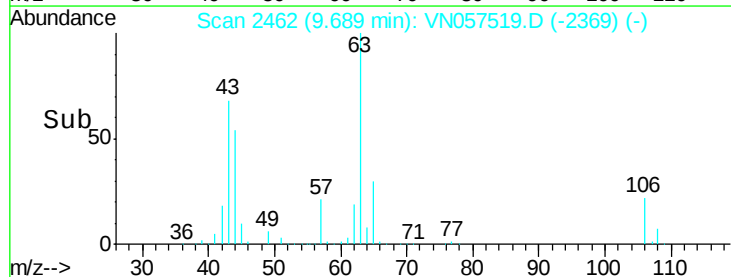
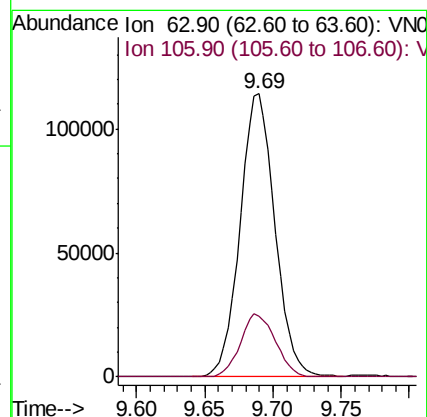
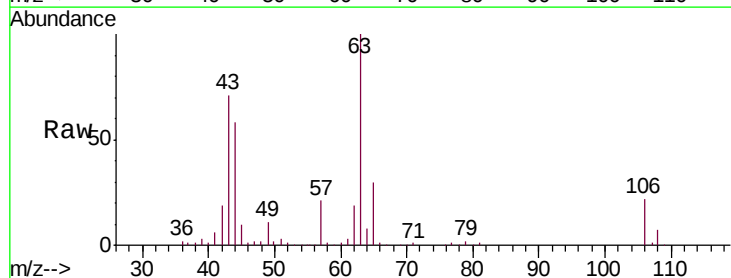
Acq: 26 Aug 2019 19:05

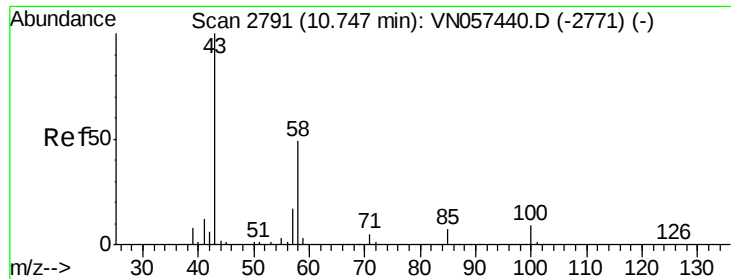
Tgt Ion: 63 Resp: 202448

Ion Ratio Lower Upper

63 100

106 22.4 18.6 27.8

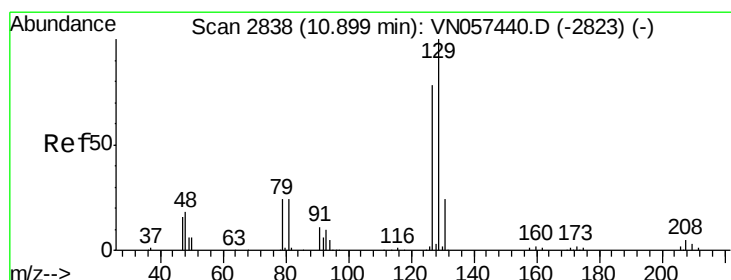
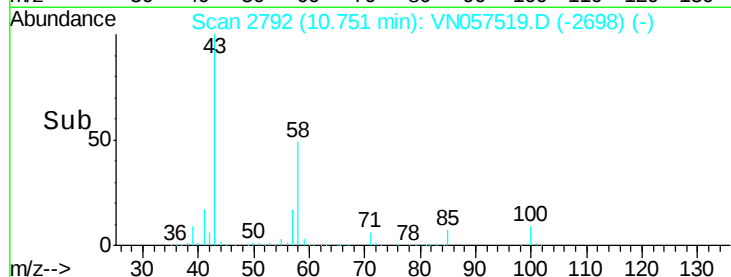
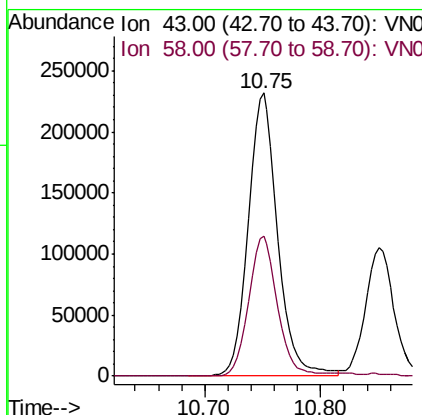
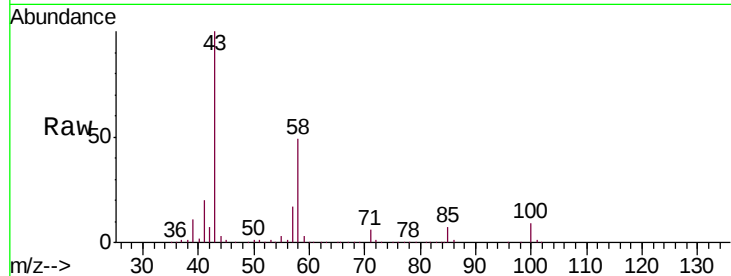




#59
2-Hexanone
Concen: 92.753 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

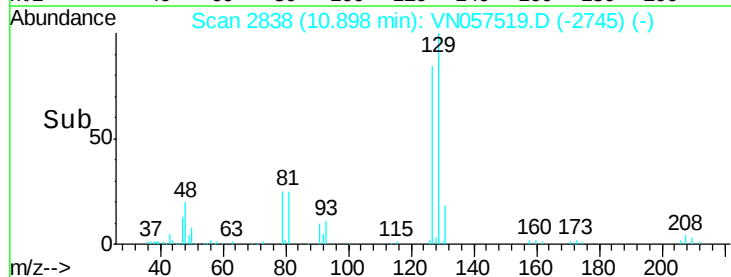
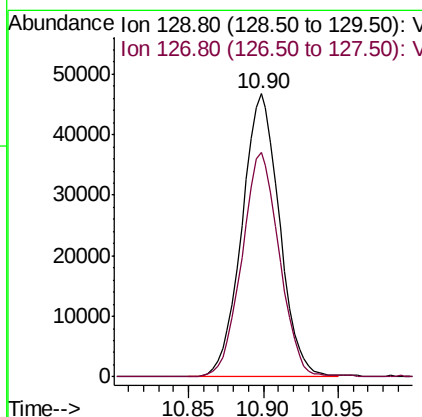
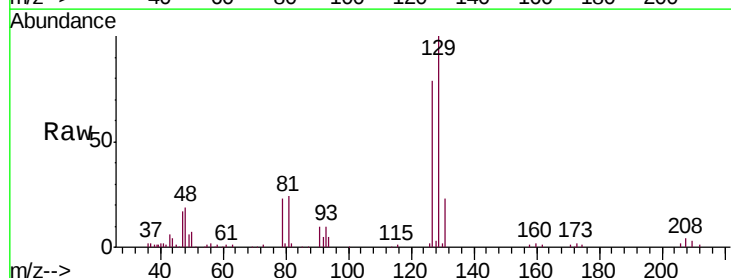
Instrument :
MSVOA_N
ClientSampled :
VN0826WBSD02

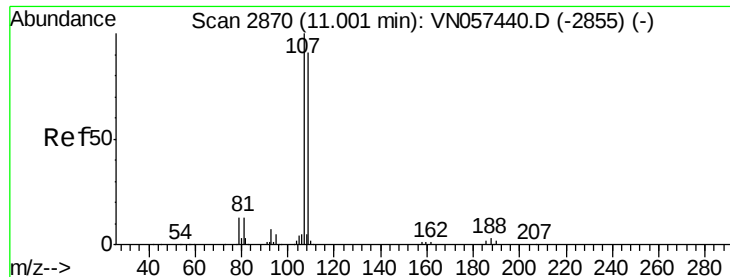
Tgt Ion: 43 Resp: 407562
Ion Ratio Lower Upper
43 100
58 48.5 24.6 73.6



#60
Dibromochloromethane
Concen: 17.390 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 129 Resp: 81564
Ion Ratio Lower Upper
129 100
127 79.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.572 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

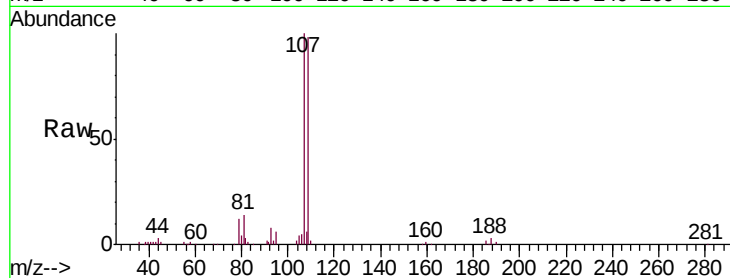
VN0826WBSD02

Tgt Ion: 107 Resp: 80847

Ion Ratio Lower Upper

107 100

109 96.5 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

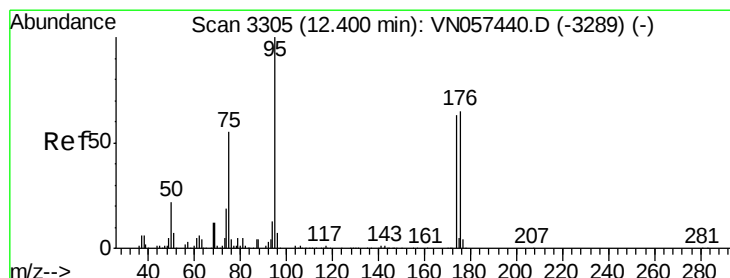
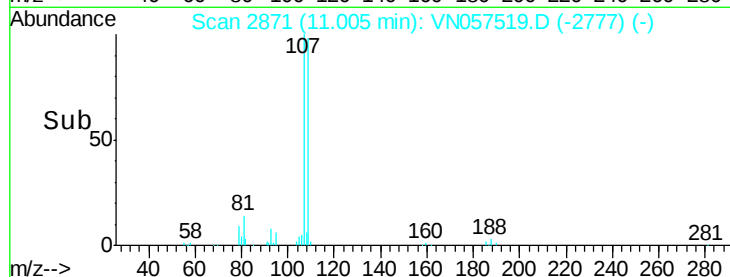
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.607 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

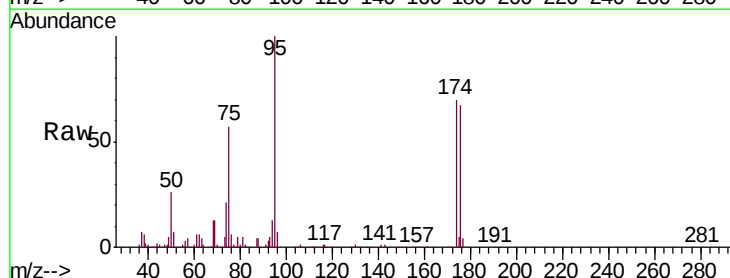
Tgt Ion: 95 Resp: 261215

Ion Ratio Lower Upper

95 100

174 67.8 0.0 133.0

176 65.8 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

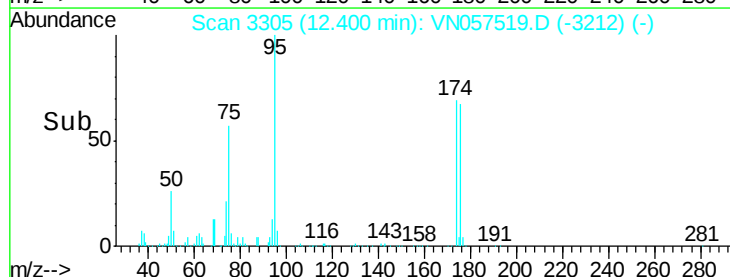
150000

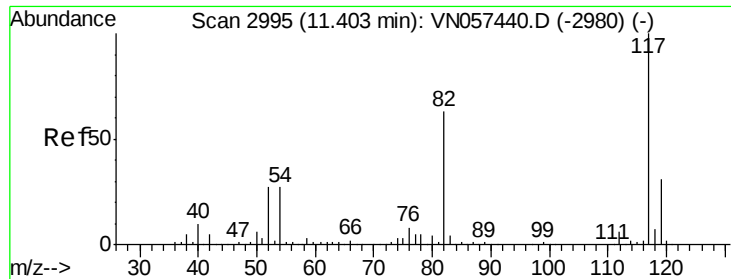
100000

50000

0

Time--> 12.30 12.40 12.50

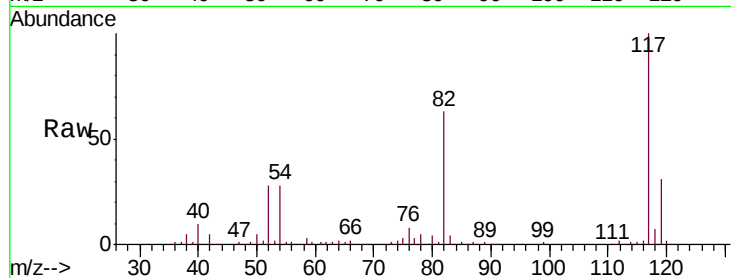




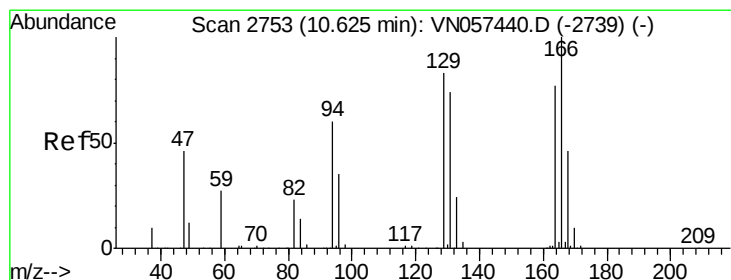
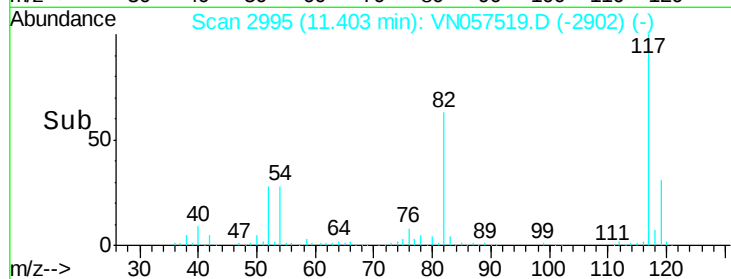
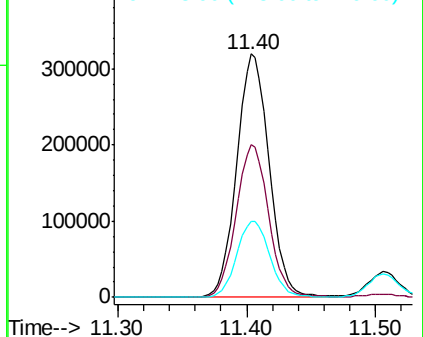
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tgt Ion:117 Resp: 560003
Ion Ratio Lower Upper
117 100
82 62.7 50.6 75.8
119 30.9 24.6 36.8

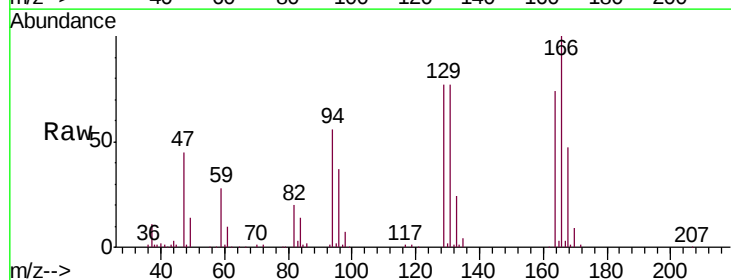


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

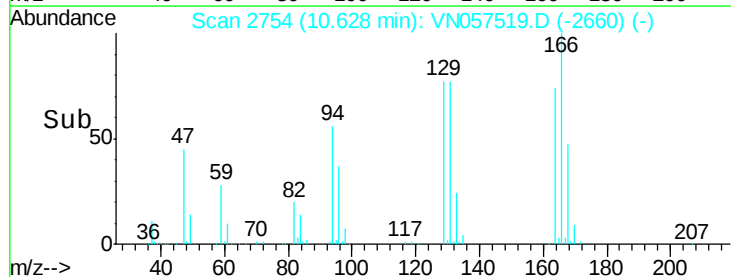
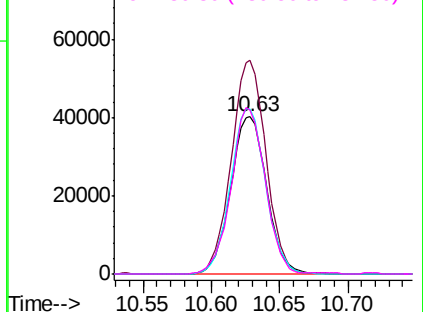


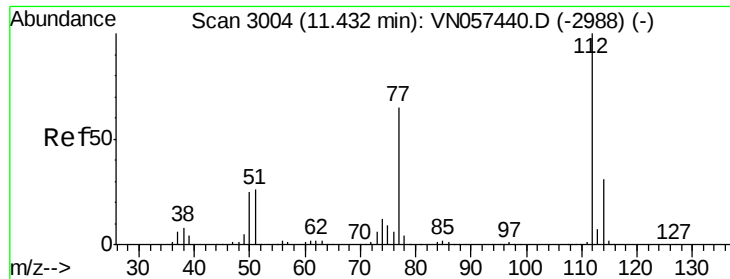
#64
Tetrachloroethene
Concen: 18.769 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion:164 Resp: 73536
Ion Ratio Lower Upper
164 100
166 135.7 104.4 156.6
129 104.8 86.6 130.0
131 104.4 77.6 116.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.102 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampled :

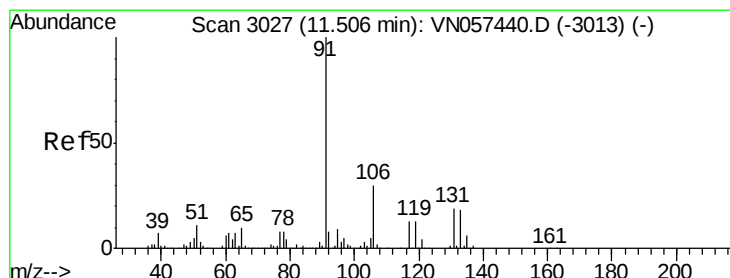
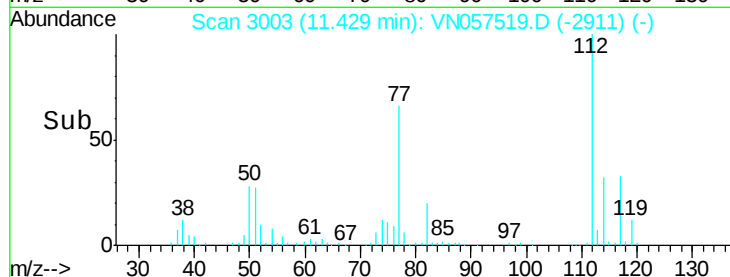
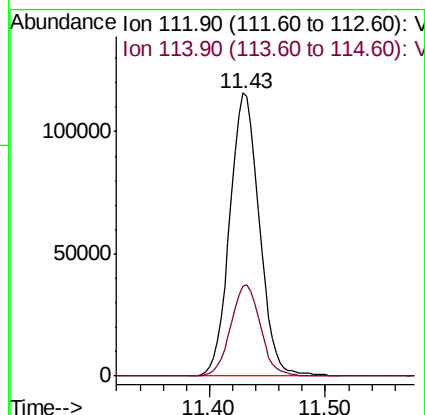
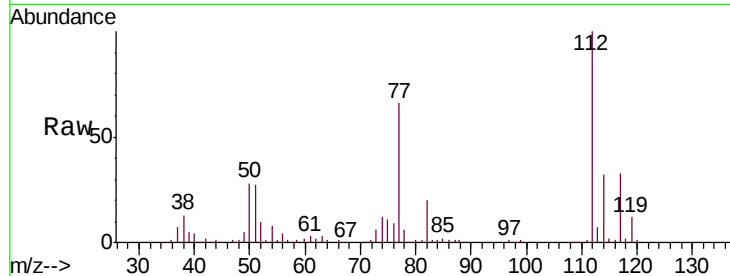
VN0826WBSD02

Tgt Ion:112 Resp: 204924

Ion Ratio Lower Upper

112 100

114 32.1 24.8 37.2



#66

1,1,1,2-Tetrachloroethane

Concen: 17.589 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

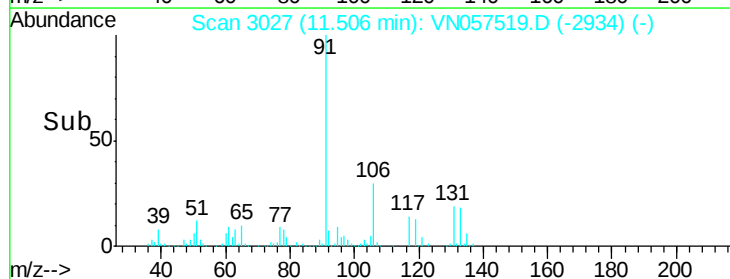
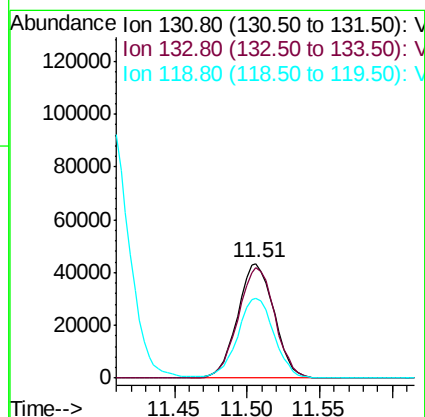
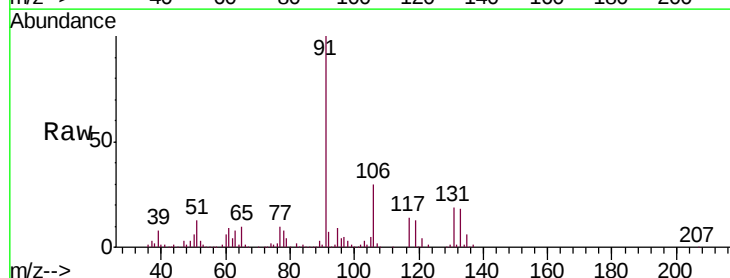
Tgt Ion:131 Resp: 76360

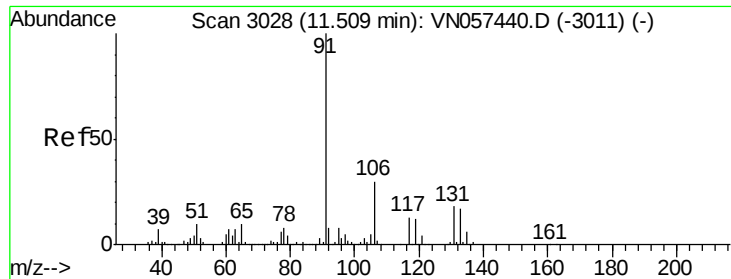
Ion Ratio Lower Upper

131 100

133 96.6 47.6 142.8

119 69.5 34.4 103.2





#67

Ethyl Benzene

Concen: 18.036 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

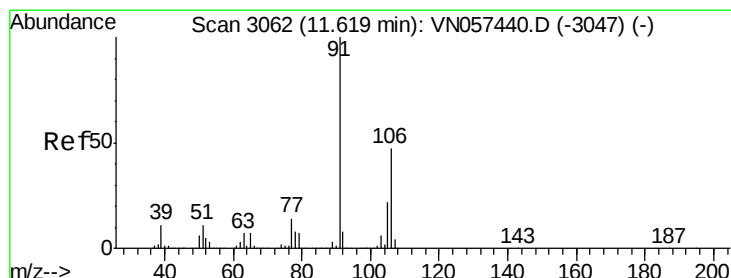
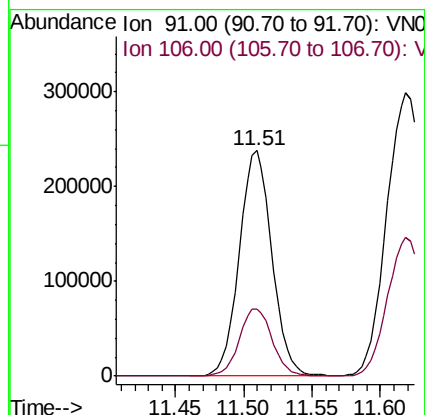
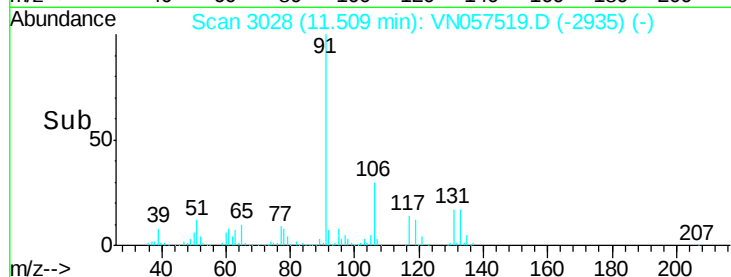
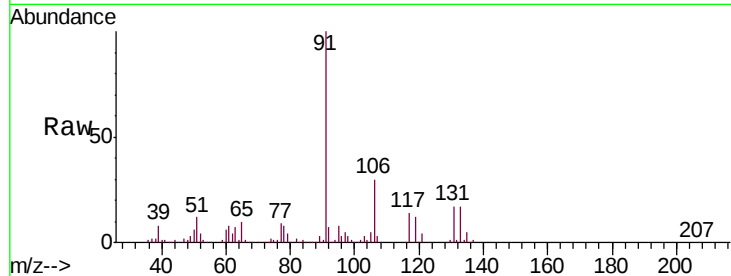
VN0826WBSD02

Tgt Ion: 91 Resp: 395186

Ion Ratio Lower Upper

91 100

106 30.0 24.1 36.1



#68

m/p-Xylenes

Concen: 37.279 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057519.D

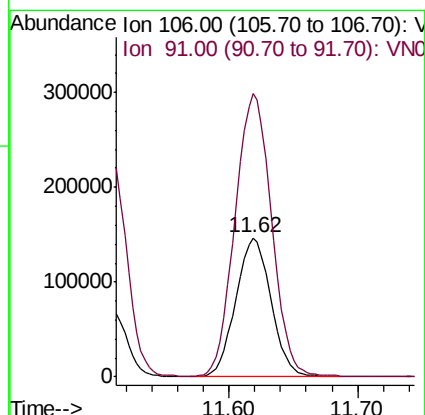
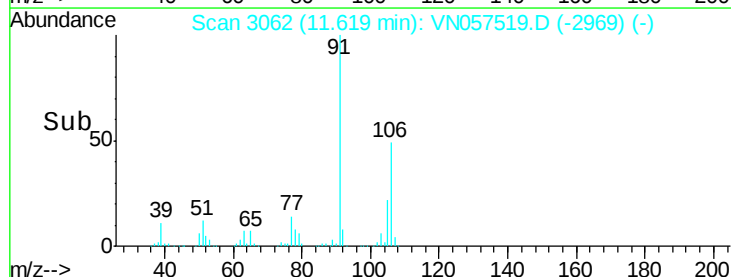
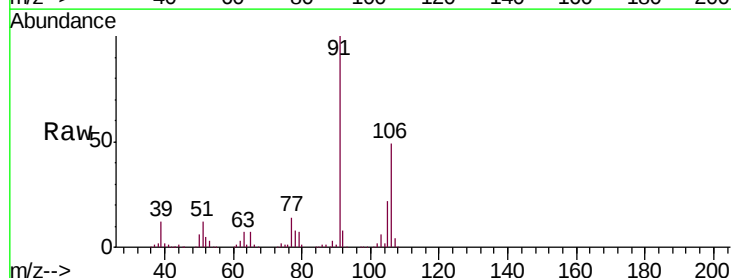
Acq: 26 Aug 2019 19:05

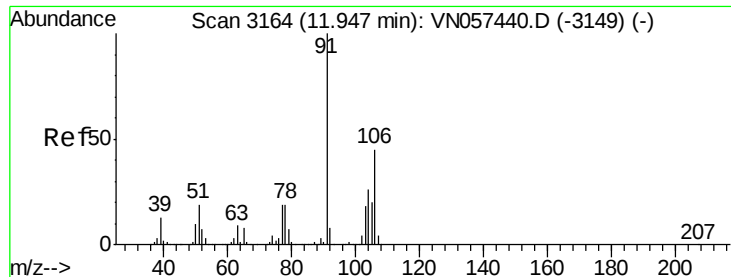
Tgt Ion: 106 Resp: 277791

Ion Ratio Lower Upper

106 100

91 212.1 171.8 257.6

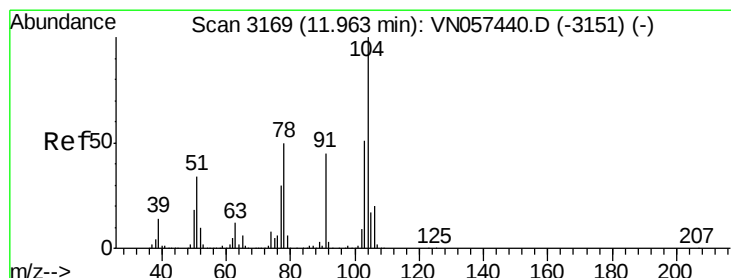
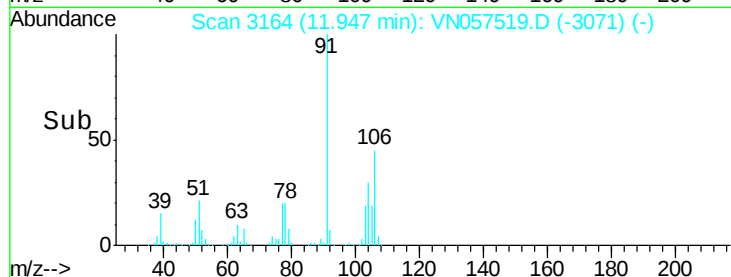
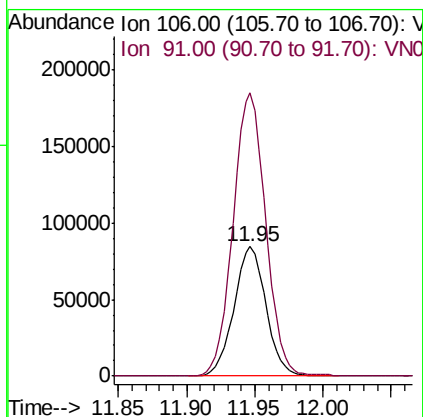
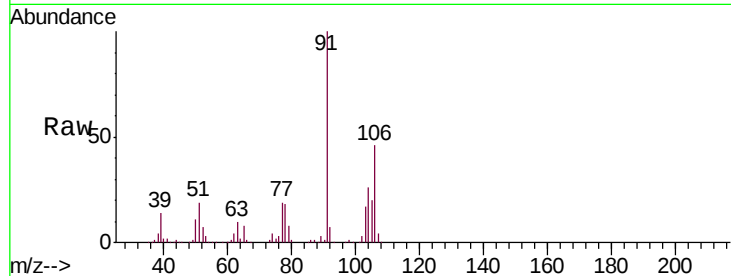




#69
o-Xylene
Concen: 18.654 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

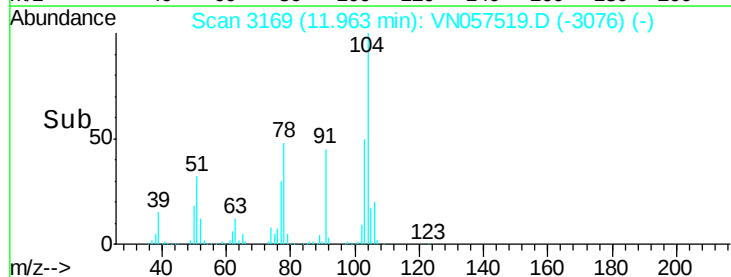
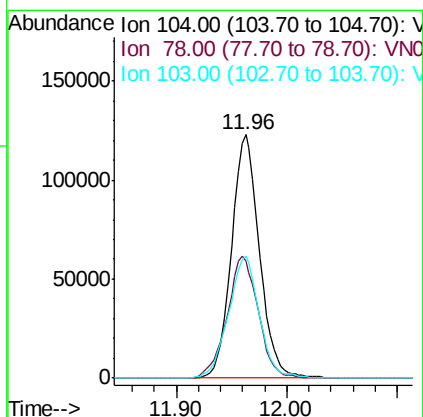
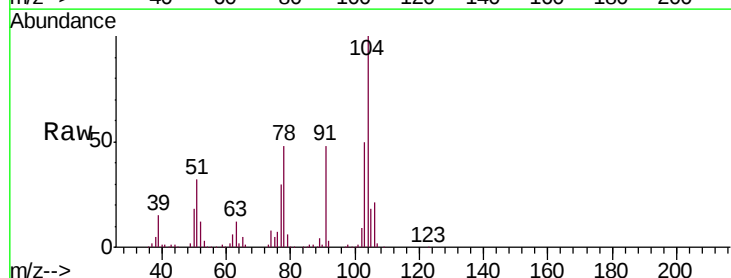
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

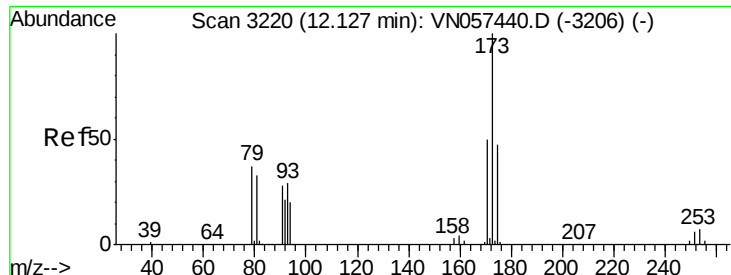
Tgt Ion:106 Resp: 137698
Ion Ratio Lower Upper
106 100
91 223.3 112.3 336.9



#70
Styrene
Concen: 18.442 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion:104 Resp: 215562
Ion Ratio Lower Upper
104 100
78 55.7 44.7 67.1
103 55.2 44.4 66.6





#71

Bromoform

Concen: 15.667 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

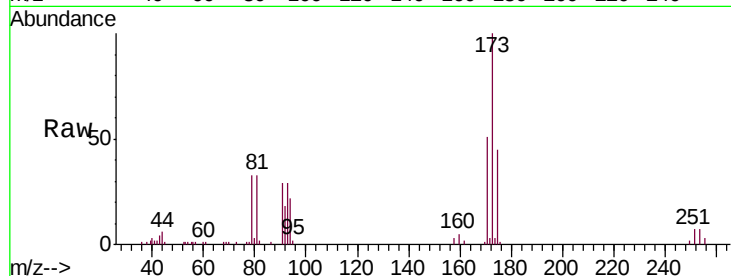
Tgt Ion:173 Resp: 45980

Ion Ratio Lower Upper

173 100

175 46.6 23.9 71.8

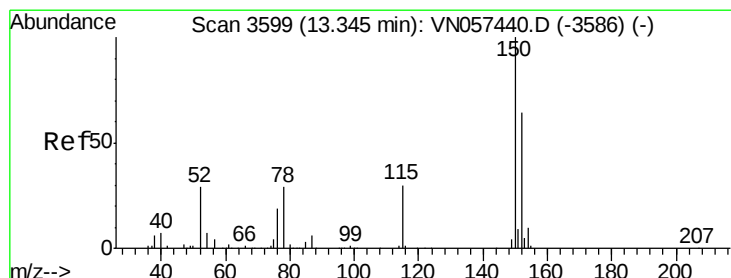
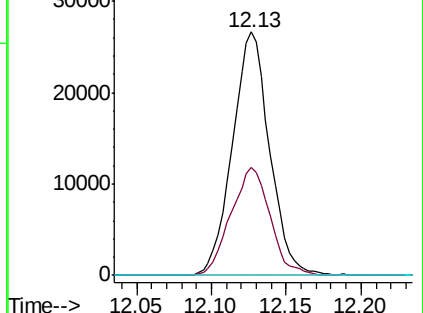
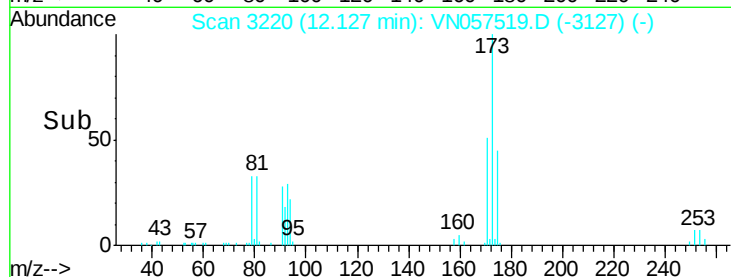
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

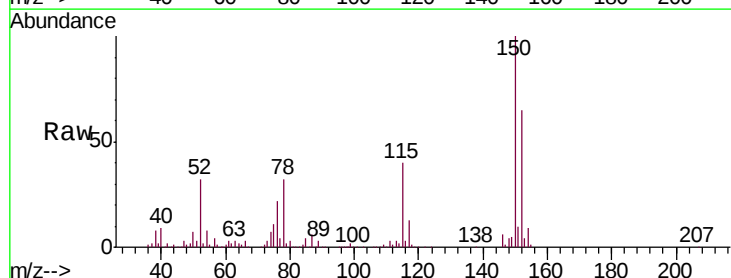
Tgt Ion:152 Resp: 185173

Ion Ratio Lower Upper

152 100

115 62.1 32.0 96.0

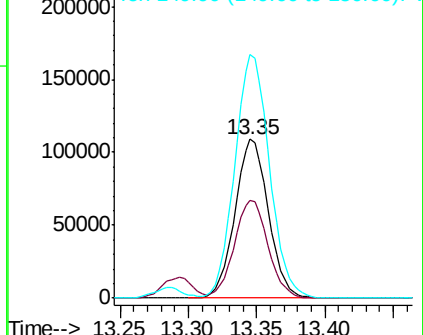
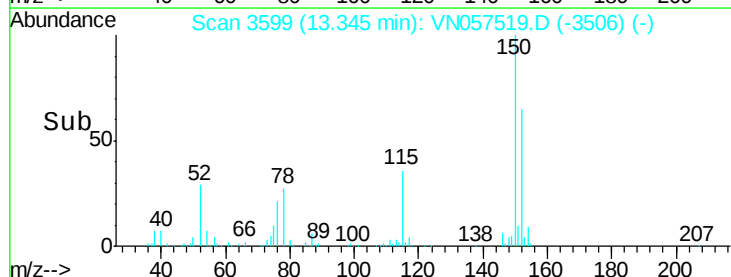
150 159.3 0.0 346.6

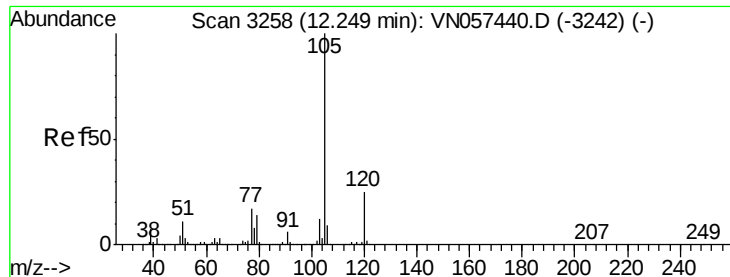


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.180 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampled :

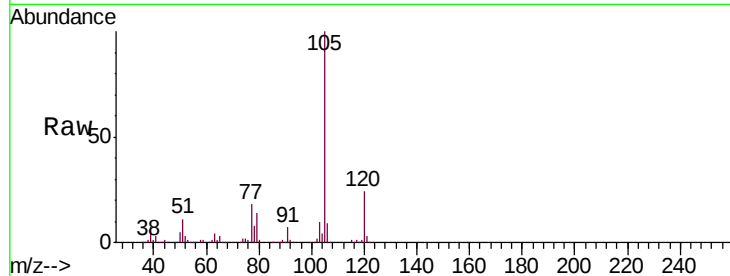
VN0826WBSD02

Tgt Ion: 105 Resp: 370306

Ion Ratio Lower Upper

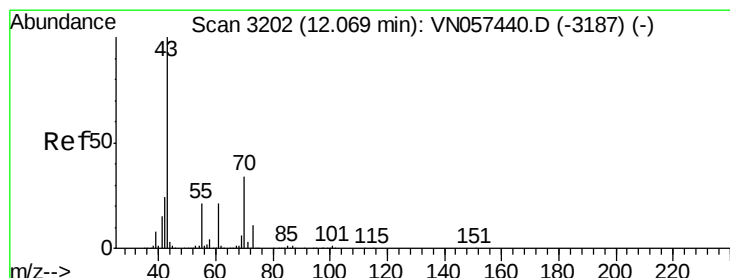
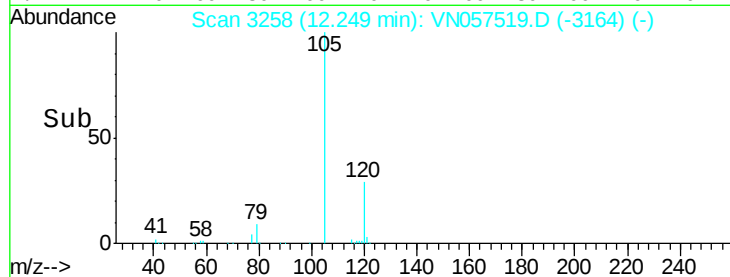
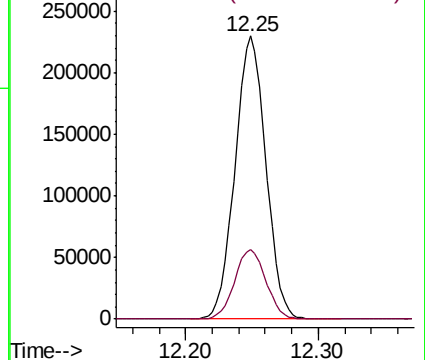
105 100

120 25.0 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.334 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion: 43 Resp: 165653

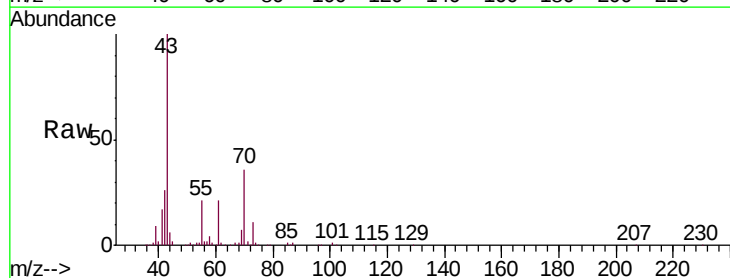
Ion Ratio Lower Upper

43 100

70 35.1 27.8 41.6

55 22.2 17.0 25.4

61 21.4 17.0 25.6

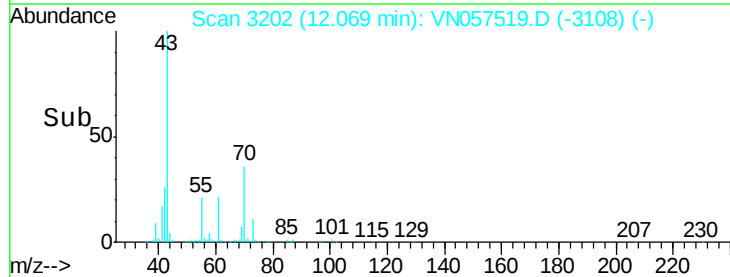
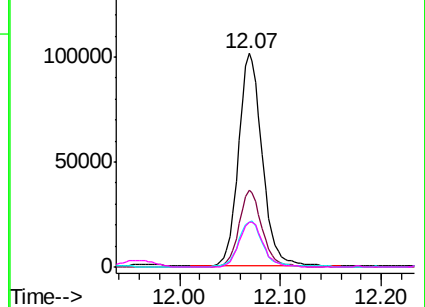


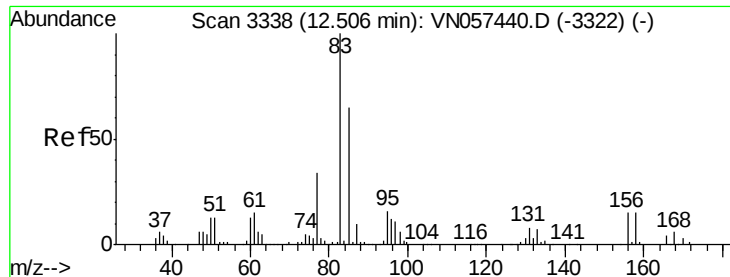
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.898 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

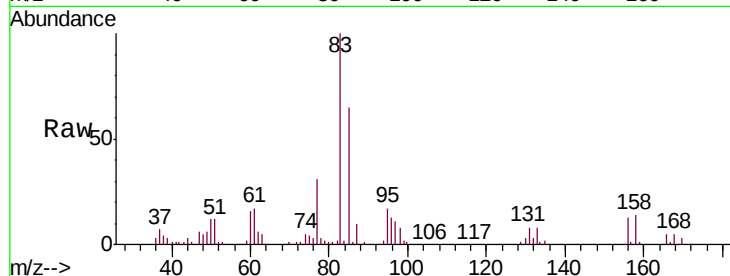
Tgt Ion: 83 Resp: 109485

Ion Ratio Lower Upper

83 100

131 7.9 4.3 13.1

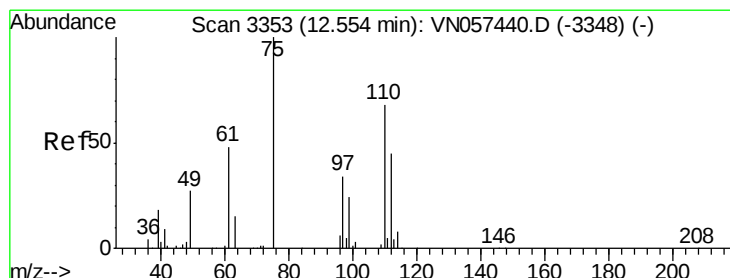
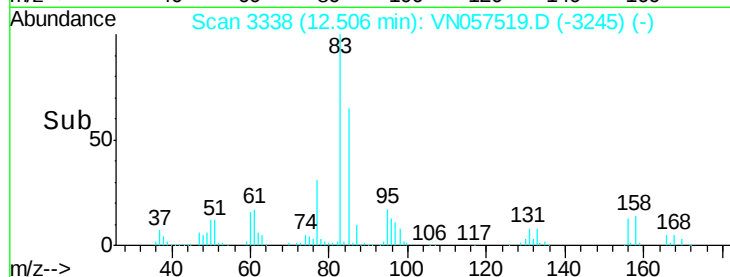
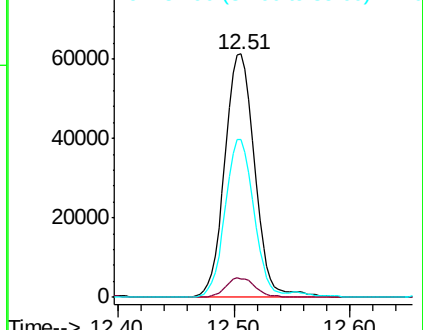
85 61.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.467 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057519.D

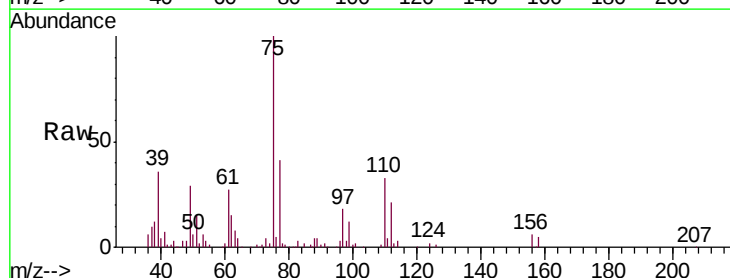
Acq: 26 Aug 2019 19:05

Tgt Ion: 75 Resp: 134649

Ion Ratio Lower Upper

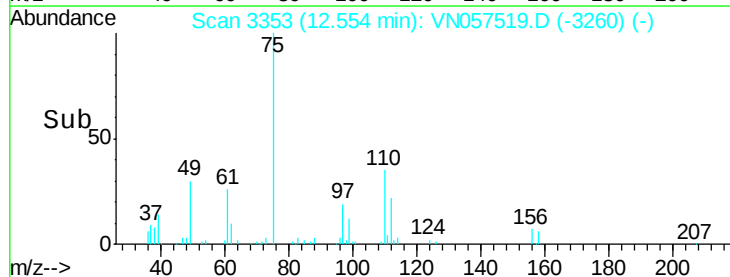
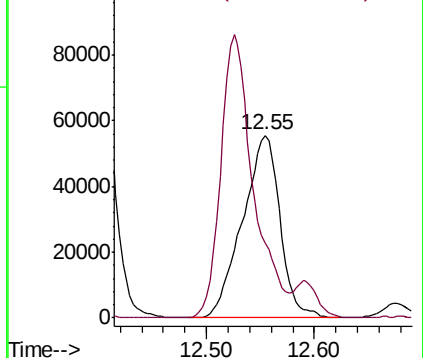
75 100

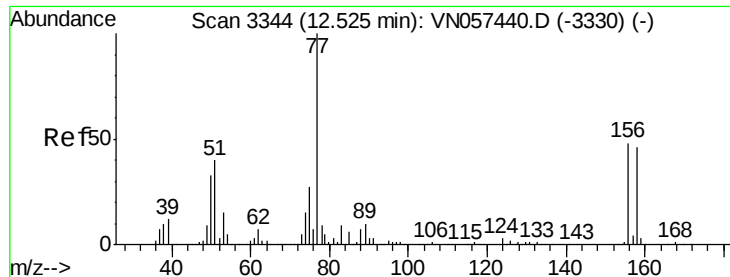
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

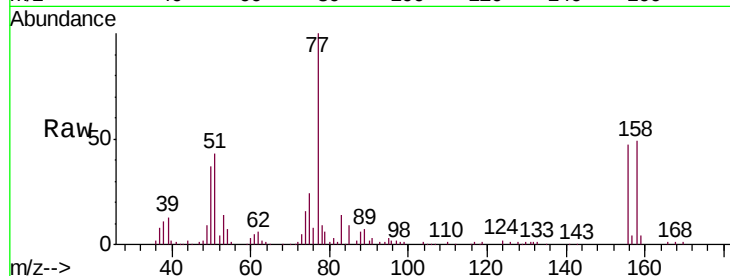
Tgt Ion:156 Resp: 70608

Ion Ratio Lower Upper

156 100

77 257.3 124.4 373.3

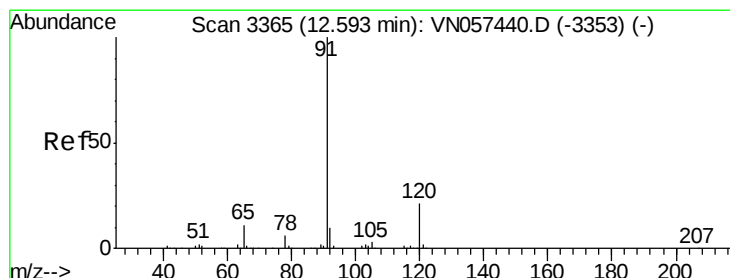
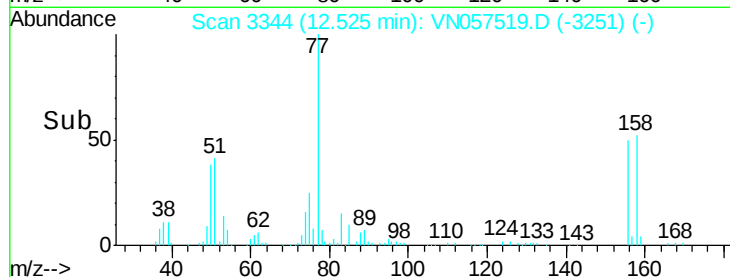
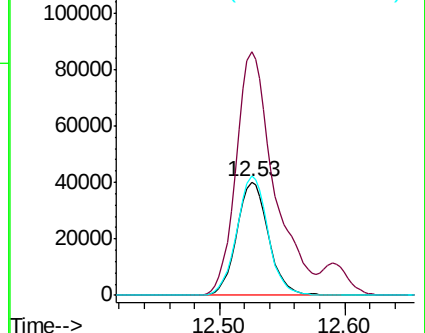
158 103.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.748 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057519.D

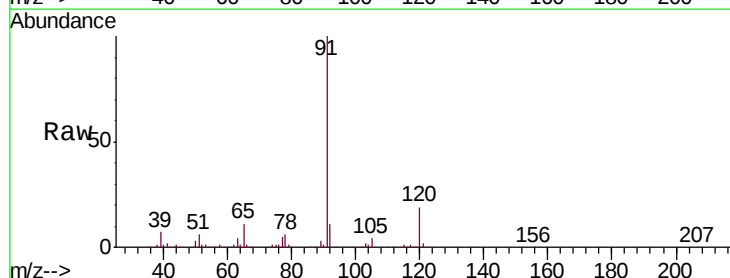
Acq: 26 Aug 2019 19:05

Tgt Ion: 91 Resp: 400094

Ion Ratio Lower Upper

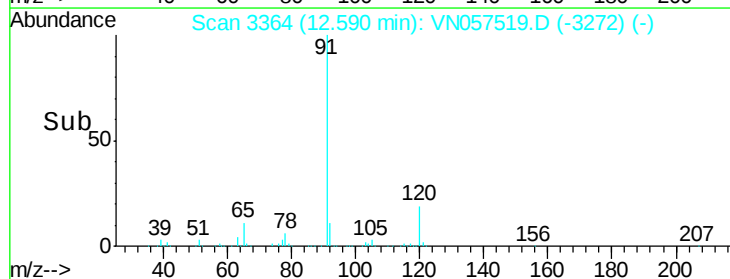
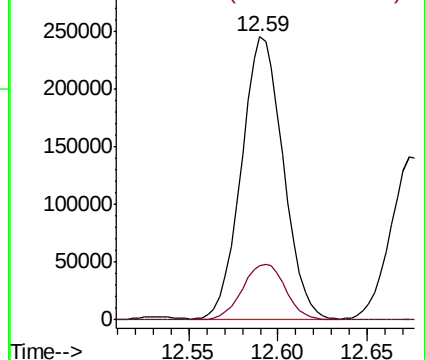
91 100

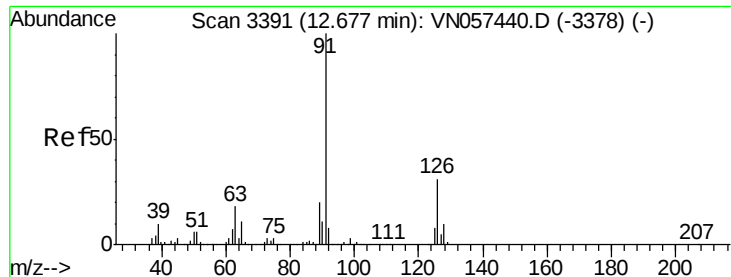
120 20.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.375 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

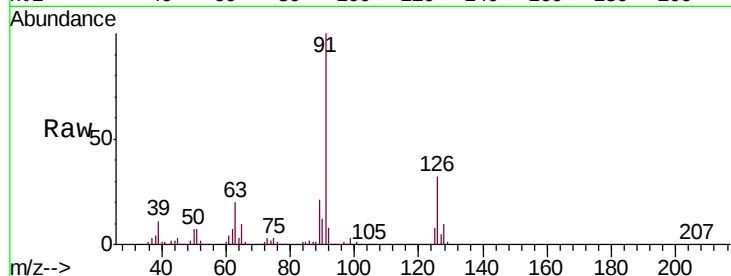
VN0826WBSD02

Tgt Ion: 91 Resp: 235639

Ion Ratio Lower Upper

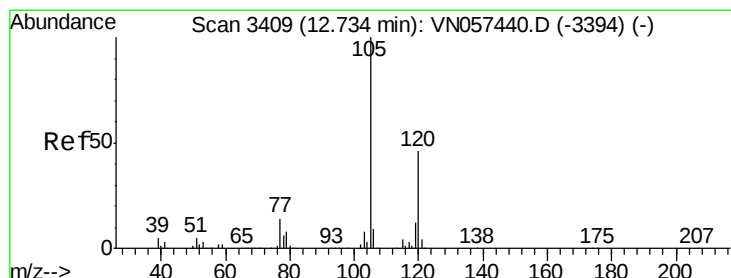
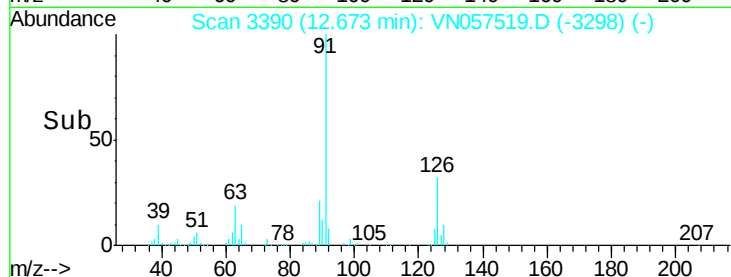
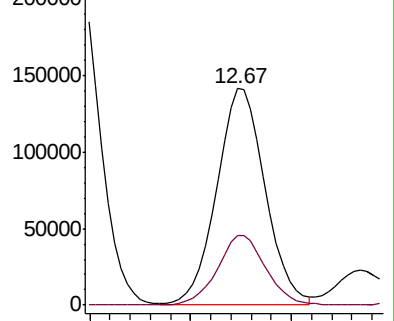
91 100

126 32.5 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.152 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057519.D

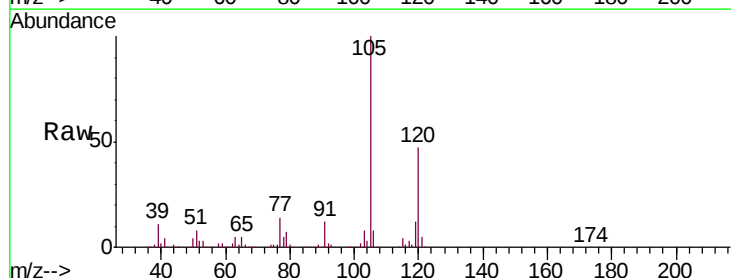
Acq: 26 Aug 2019 19:05

Tgt Ion: 105 Resp: 299707

Ion Ratio Lower Upper

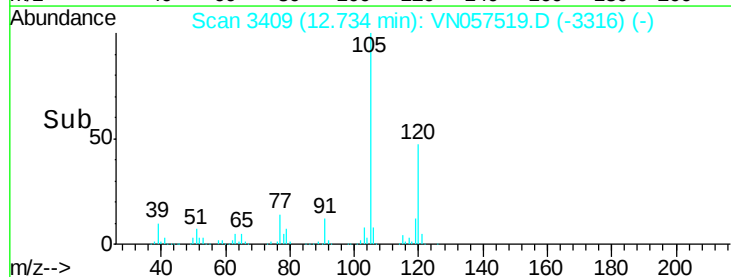
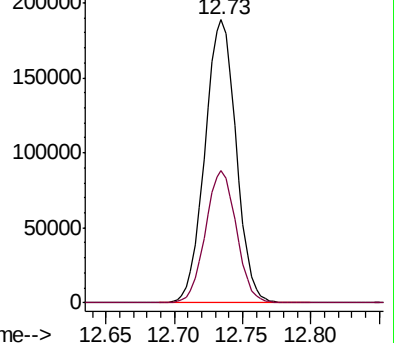
105 100

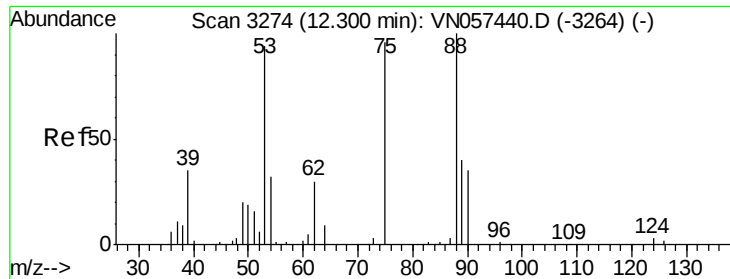
120 46.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 14.881 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

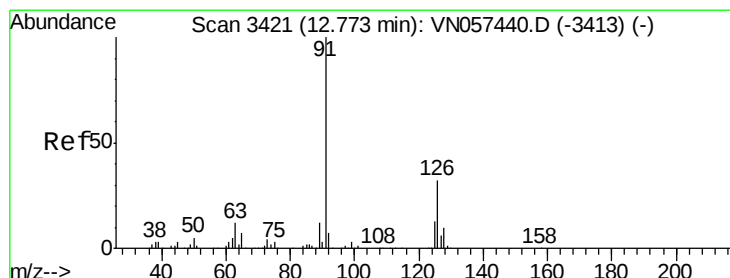
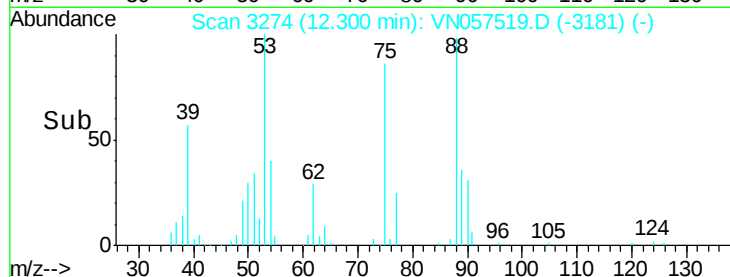
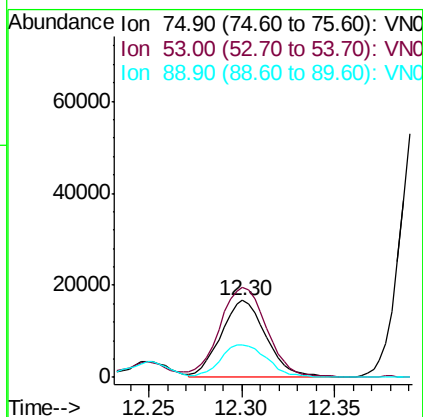
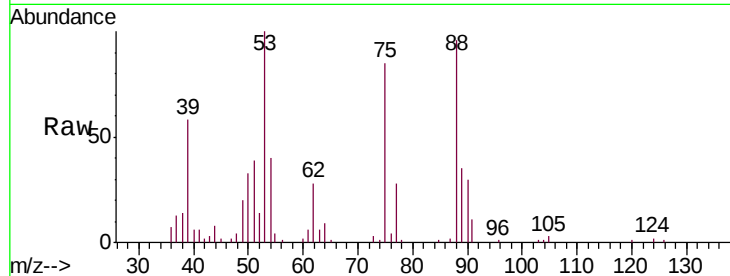
Tgt Ion: 75 Resp: 28393

Ion Ratio Lower Upper

75 100

53 122.8 82.7 124.1

89 43.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 19.243 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057519.D

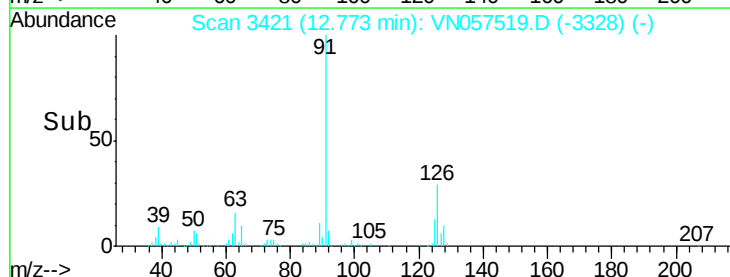
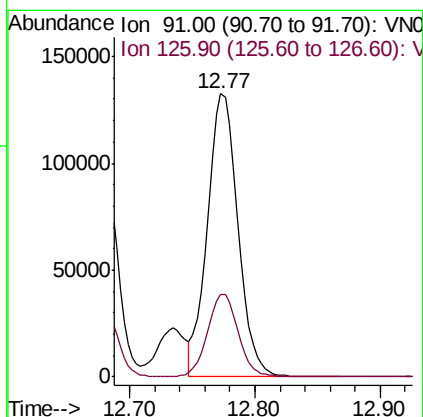
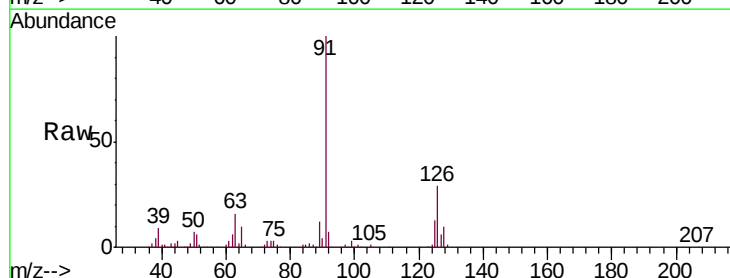
Acq: 26 Aug 2019 19:05

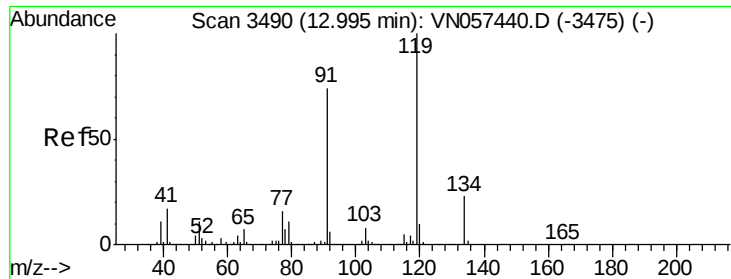
Tgt Ion: 91 Resp: 225160

Ion Ratio Lower Upper

91 100

126 28.9 15.0 45.0

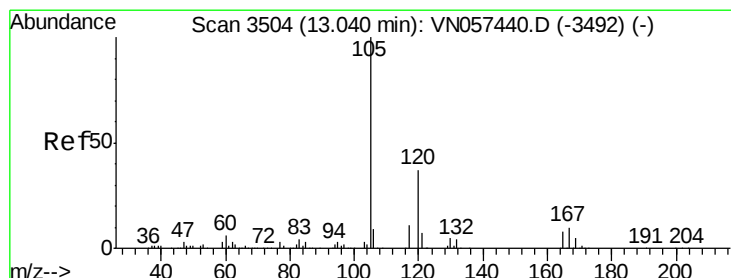
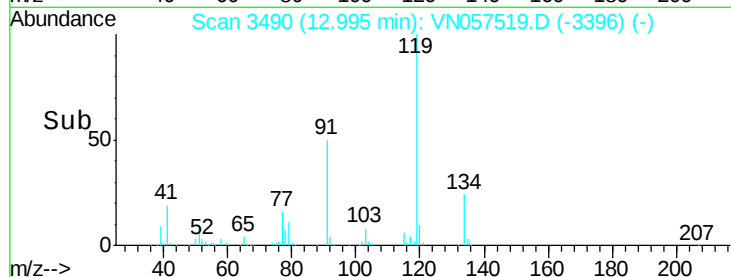
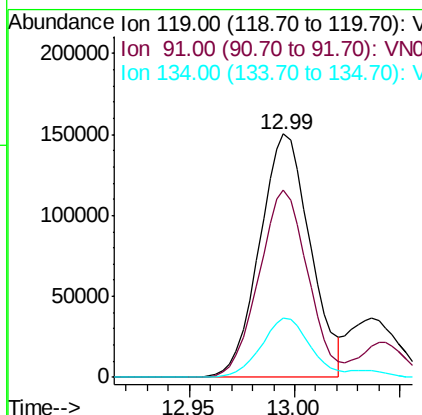
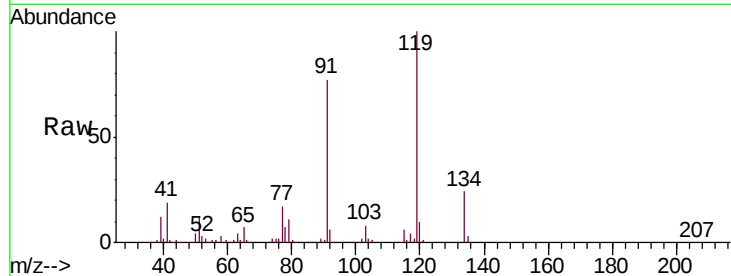




#83
 tert-Butylbenzene
 Concen: 19.745 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

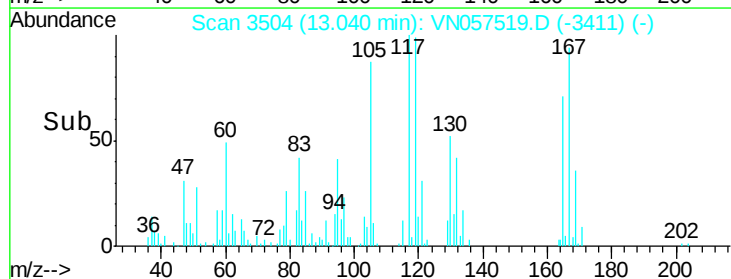
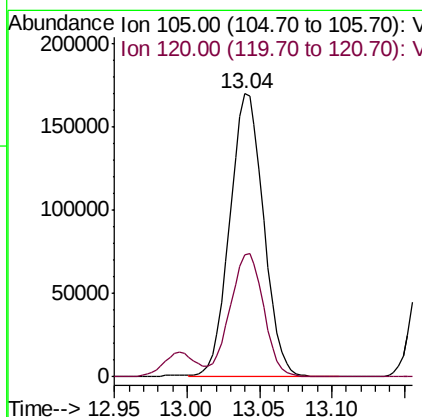
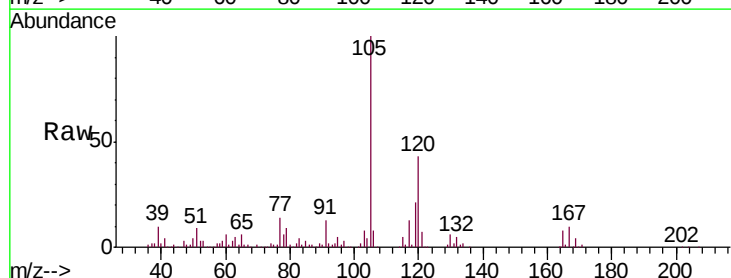
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

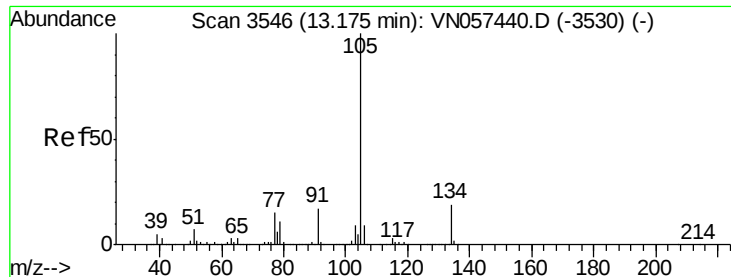
Tgt Ion:119 Resp: 250806
 Ion Ratio Lower Upper
 119 100
 91 74.7 37.0 111.0
 134 23.7 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.192 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion:105 Resp: 276293
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.9 65.7

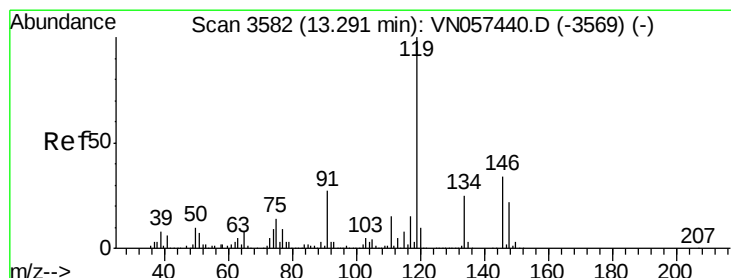
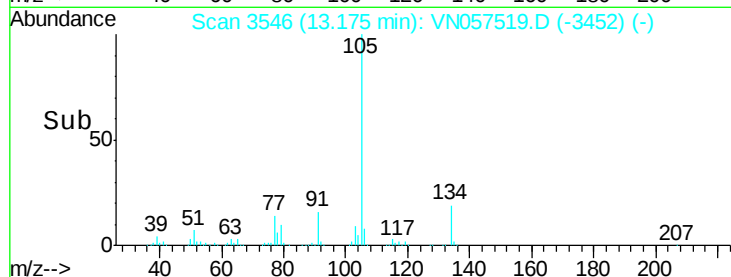
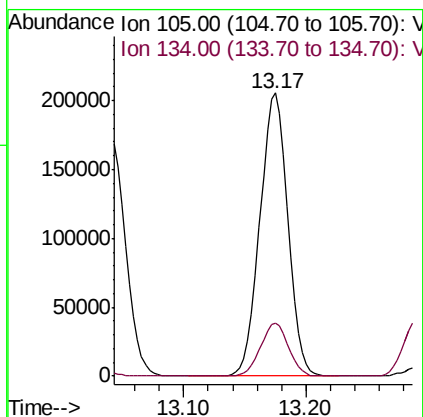
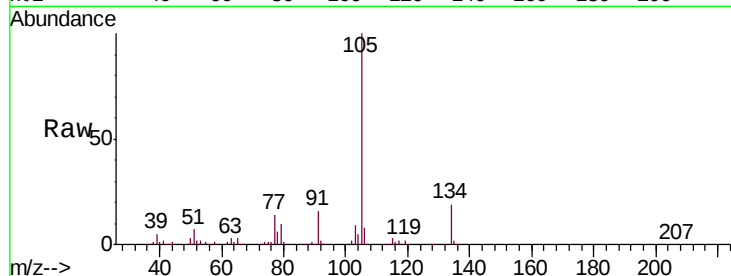




#85
 sec-Butylbenzene
 Concen: 19.683 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

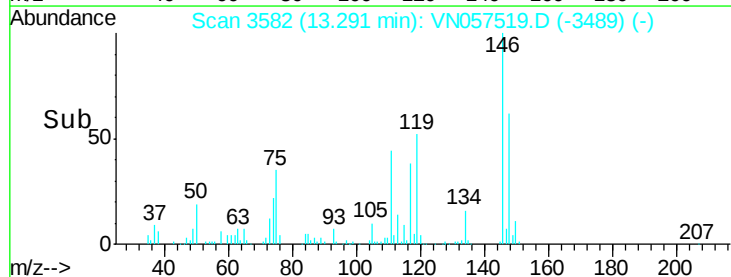
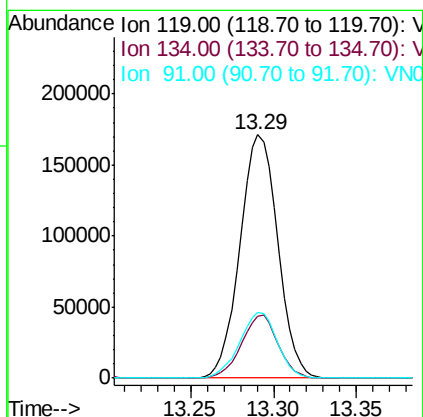
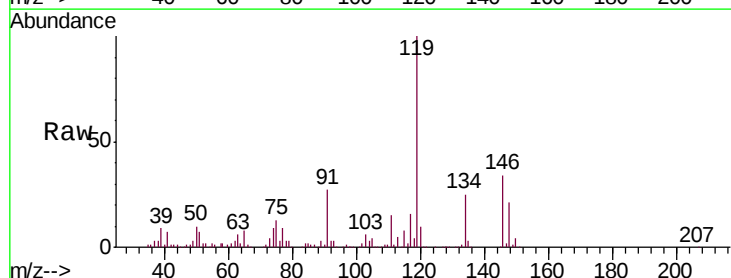
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

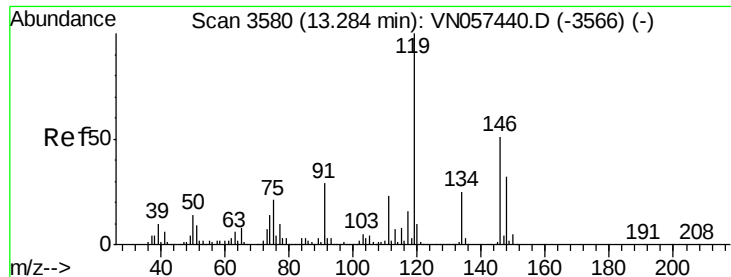
Tgt Ion:105 Resp: 325688
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 18.762 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion:119 Resp: 271568
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 27.0 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 18.393 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

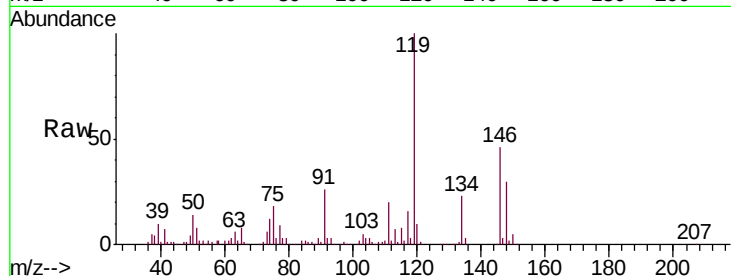
Tgt Ion:146 Resp: 110015

Ion Ratio Lower Upper

146 100

111 43.0 22.1 66.1

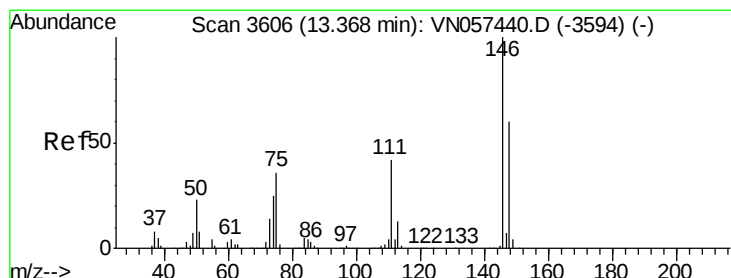
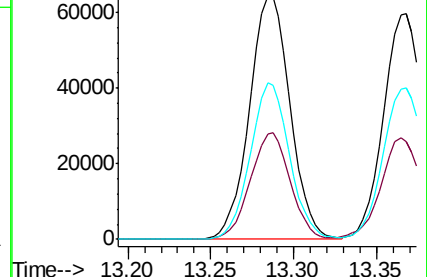
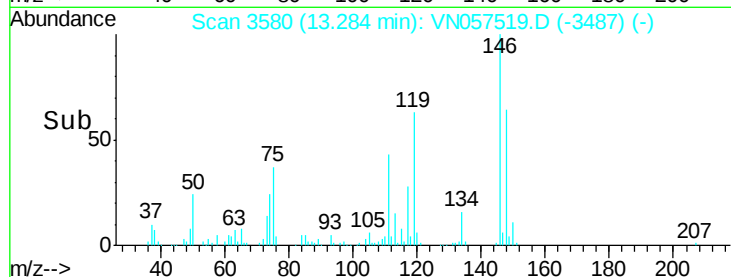
148 62.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.352 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

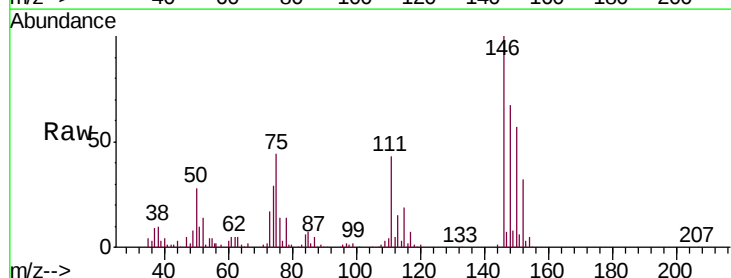
Tgt Ion:146 Resp: 101641

Ion Ratio Lower Upper

146 100

111 45.5 21.9 65.5

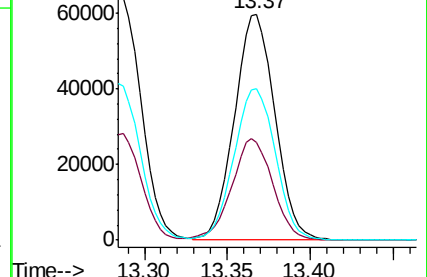
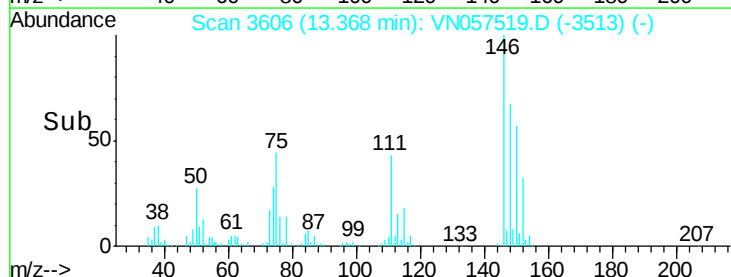
148 68.7 31.1 93.2

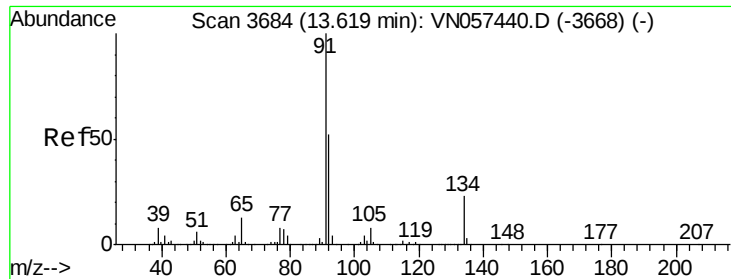


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.852 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

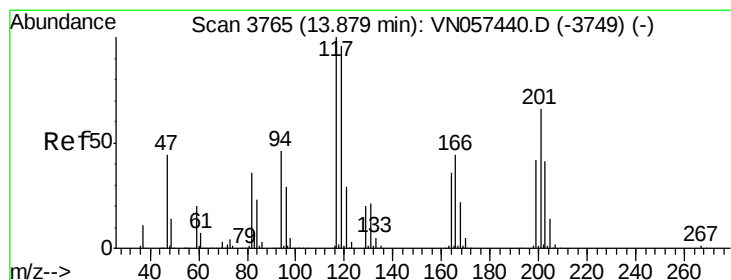
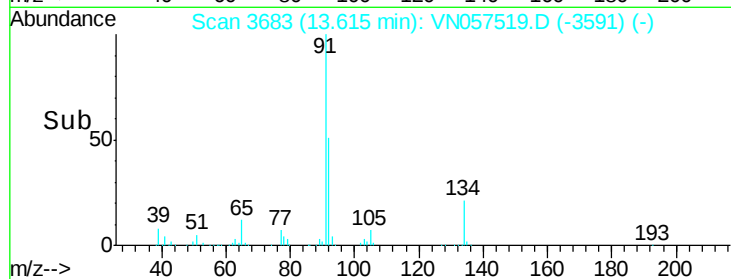
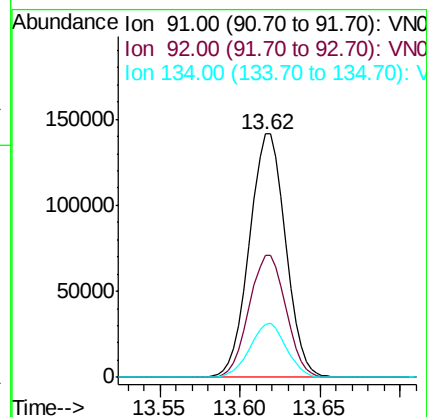
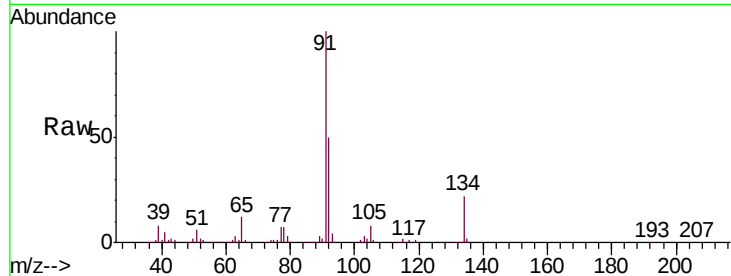
Tgt Ion: 91 Resp: 218658

Ion Ratio Lower Upper

91 100

92 51.0 25.7 77.0

134 22.2 11.4 34.1



#90

Hexachloroethane

Concen: 16.876 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057519.D

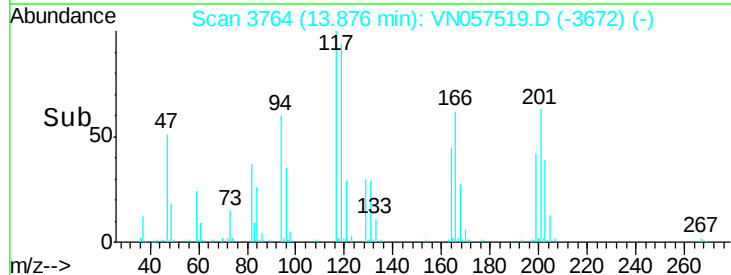
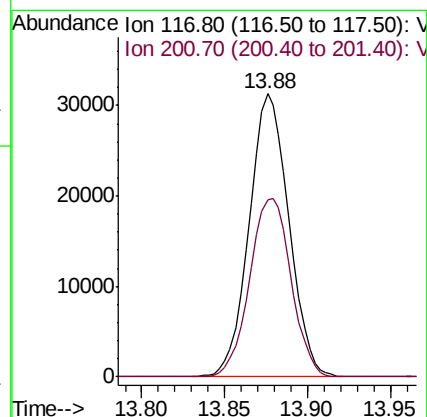
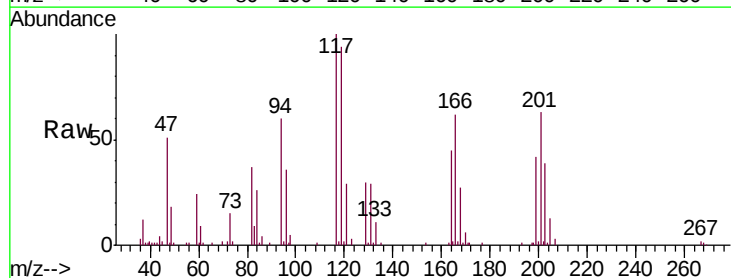
Acq: 26 Aug 2019 19:05

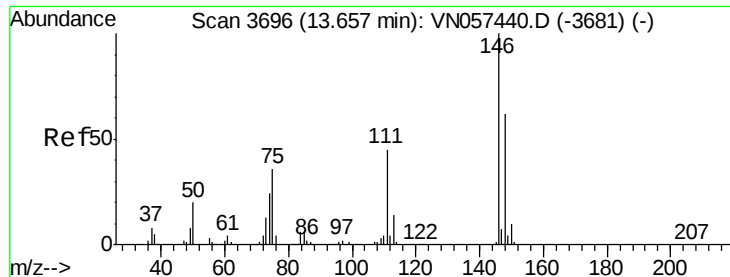
Tgt Ion: 117 Resp: 52080

Ion Ratio Lower Upper

117 100

201 65.8 33.1 99.3

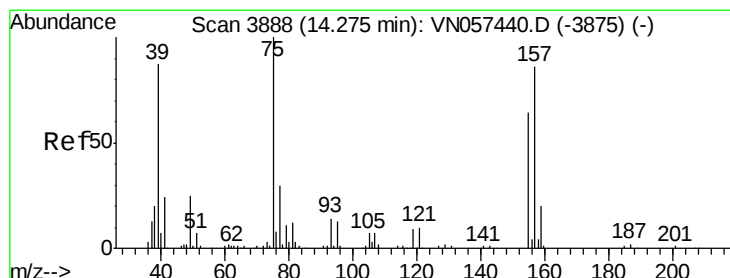
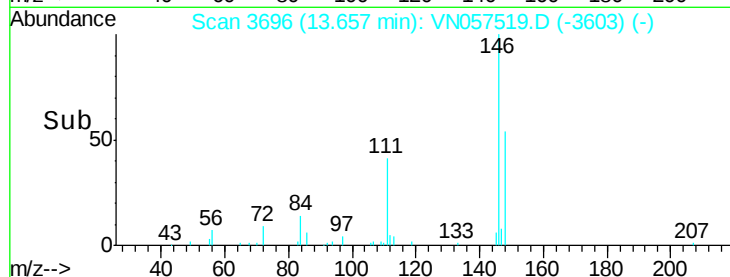
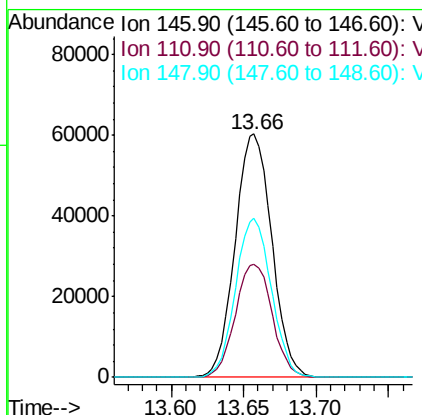
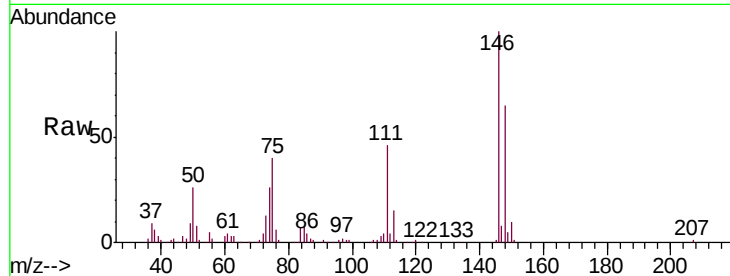




#91
 1,2-Dichlorobenzene
 Concen: 18.611 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

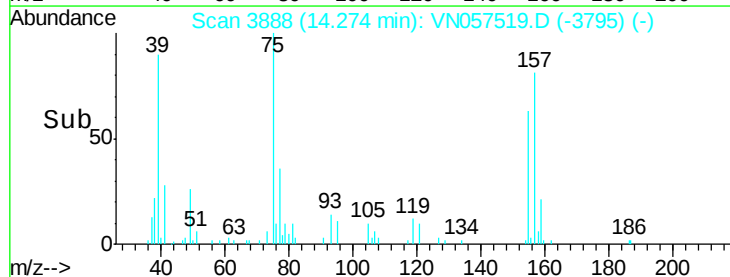
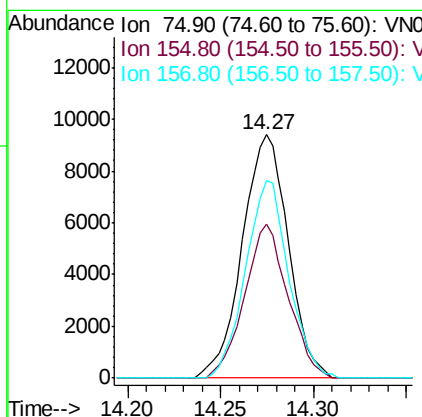
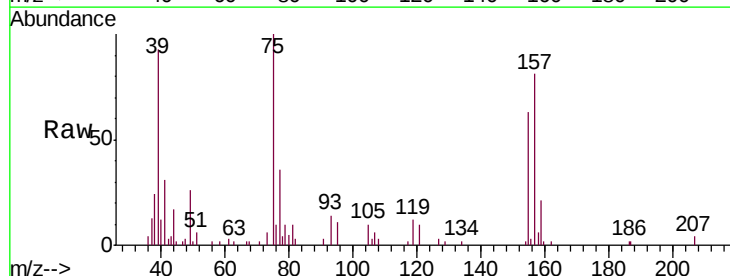
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

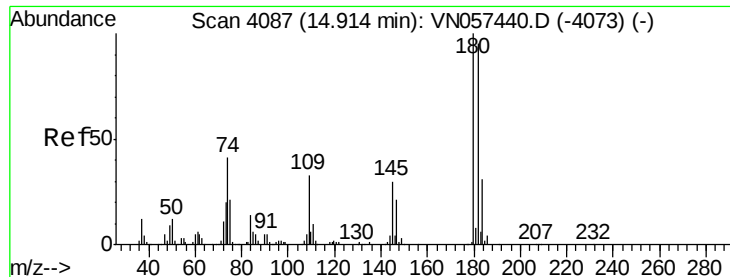
Tgt Ion: 146 Resp: 106267
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.1 69.2
 148 63.6 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.039 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 75 Resp: 16244
 Ion Ratio Lower Upper
 75 100
 155 59.9 31.6 94.7
 157 76.2 43.3 129.8

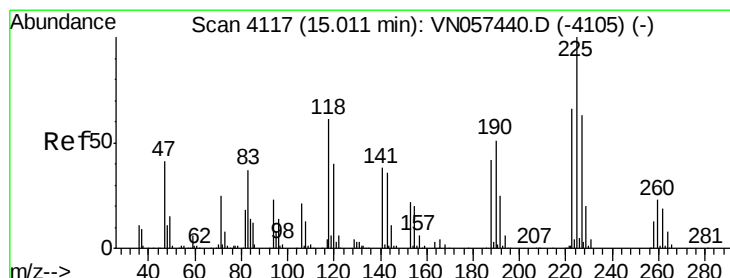
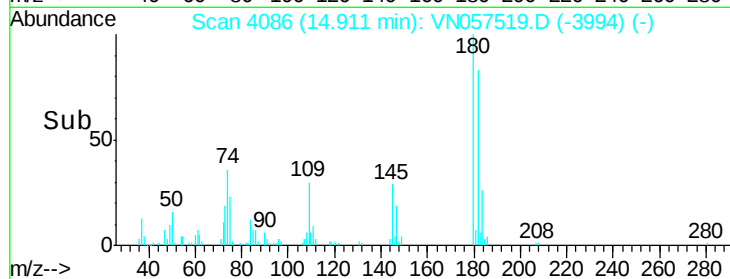
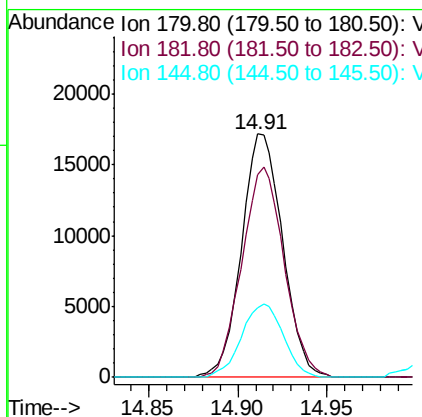
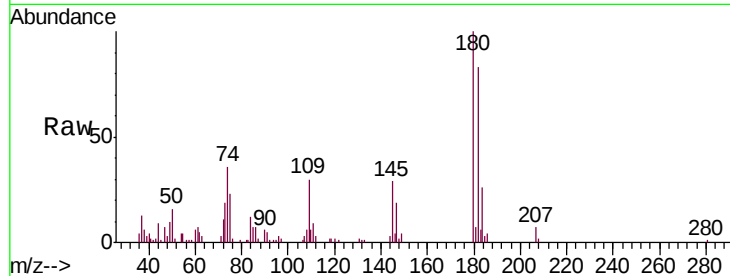




#93
 1,2,4-Trichlorobenzene
 Concen: 16.066 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

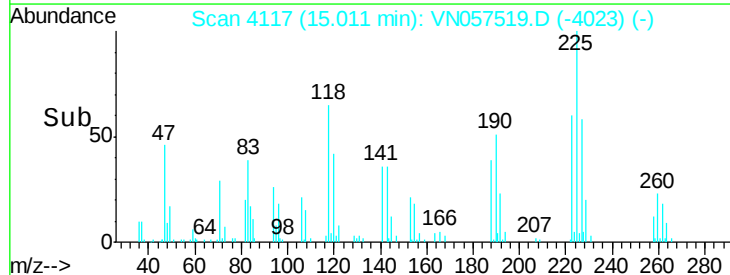
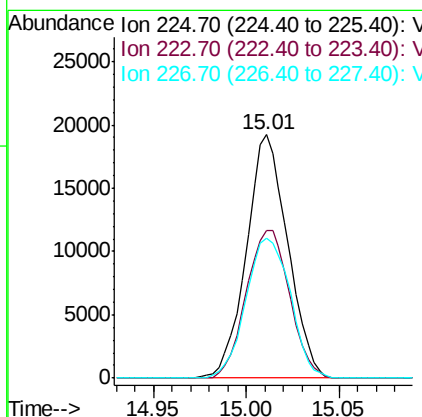
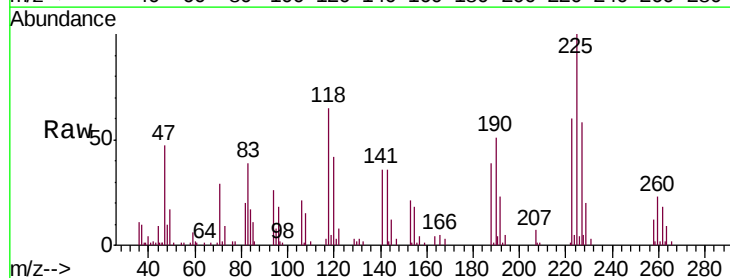
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

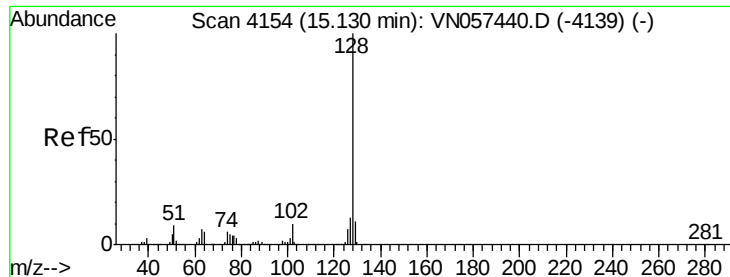
Tgt Ion:180 Resp: 27679
 Ion Ratio Lower Upper
 180 100
 182 89.0 46.7 140.1
 145 30.7 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 18.388 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion:225 Resp: 29715
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.0 96.2
 227 61.9 31.5 94.5





#95

Naphthalene

Concen: 15.980 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

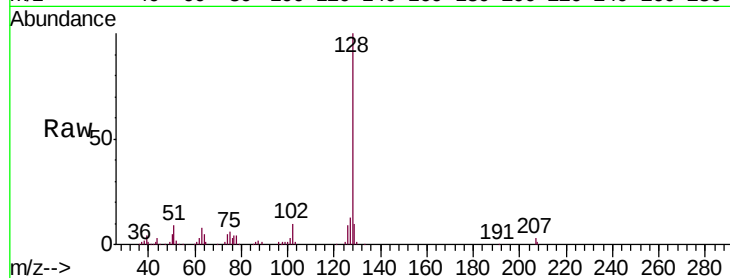
Tgt Ion:128 Resp: 93905

Ion Ratio Lower Upper

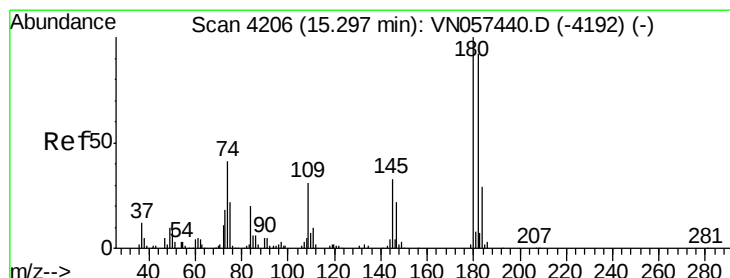
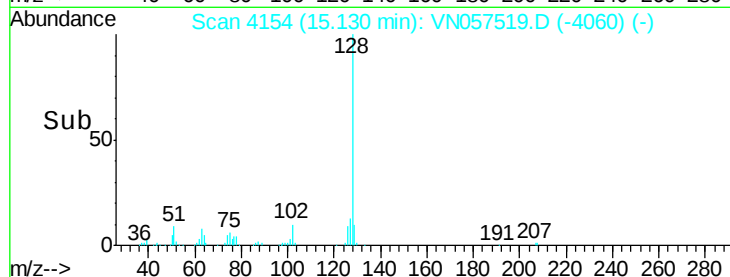
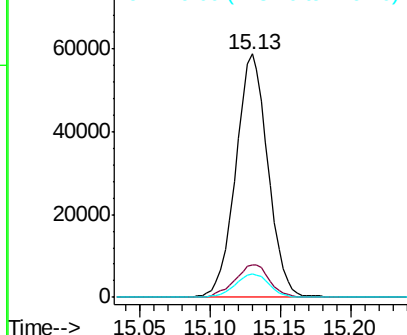
128 100

127 14.3 10.5 15.7

129 10.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.704 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

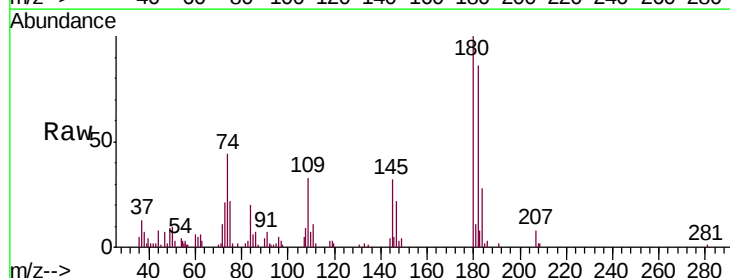
Tgt Ion:180 Resp: 27229

Ion Ratio Lower Upper

180 100

182 88.9 46.7 140.1

145 33.0 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

