

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057619.D
 Acq On : 31 Aug 2019 17:24
 Operator : JC/SP
 Sample : VN0901WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 23:46:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	184706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	314979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	292406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	115454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	212109	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
35) Dibromofluoromethane	7.58	113	134667	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	10.08	98	543242	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	187666	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	62499	21.160	ug/l	99
3) Chloromethane	2.05	50	77191	22.670	ug/l	97
4) Vinyl Chloride	2.18	62	58647	21.990	ug/l	95
5) Bromomethane	2.51	94	40648	24.088	ug/l	100
6) Chloroethane	2.67	64	31957	21.452	ug/l	96
7) Trichlorofluoromethane	3.00	101	81233	21.699	ug/l	99
8) Diethyl Ether	3.40	74	25567	20.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	40217	21.190	ug/l	99
10) Methyl Iodide	3.92	142	51919	21.187	ug/l	98
11) Tert butyl alcohol	4.82	59	45638	104.285	ug/l #	95
12) 1,1-Dichloroethene	3.71	96	37558	21.830	ug/l	91
13) Acrolein	3.58	56	16795	96.521	ug/l	96
14) Allyl chloride	4.29	41	110368	20.563	ug/l	100
15) Acrylonitrile	4.97	53	140101	106.689	ug/l	100
16) Acetone	3.81	43	105666	90.363	ug/l	99
17) Carbon Disulfide	4.02	76	115974	20.851	ug/l	99
18) Methyl Acetate	4.31	43	81304	20.250	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	190123	21.360	ug/l	97
20) Methylene Chloride	4.52	84	64351	22.229	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	54984	21.497	ug/l	98
22) Diisopropyl ether	5.94	45	233483	21.161	ug/l	97
23) Vinyl Acetate	5.88	43	912500	107.610	ug/l	99
24) 1,1-Dichloroethane	5.82	63	117983	21.302	ug/l	99
25) 2-Butanone	6.83	43	198911	102.084	ug/l	99
26) 2,2-Dichloropropane	6.81	77	83880	18.947	ug/l	78
27) cis-1,2-Dichloroethene	6.81	96	63777	20.881	ug/l	97
28) Bromochloromethane	7.18	49	60153	20.395	ug/l	97
29) Tetrahydrofuran	7.20	42	129134	105.636	ug/l	99
30) Chloroform	7.36	83	116904	20.806	ug/l	93
31) Cyclohexane	7.64	56	118318	21.404	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	95848	20.795	ug/l	99
36) 1,1-Dichloropropene	7.78	75	84894	20.329	ug/l	99
37) Ethyl Acetate	6.92	43	85671	21.537	ug/l	99
38) Carbon Tetrachloride	7.75	117	74742	19.995	ug/l	95

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 23:46:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	101602	20.593	ug/l	98
40) Benzene	8.03	78	255455	21.015	ug/l	97
41) Methacrylonitrile	7.16	41	30019	15.131	ug/l #	64
42) 1,2-Dichloroethane	8.11	62	105441	21.356	ug/l	99
43) Isopropyl Acetate	8.16	43	148824	20.795	ug/l	99
44) Trichloroethene	8.82	130	57313	20.784	ug/l	97
45) 1,2-Dichloropropane	9.11	63	72346	21.366	ug/l	96
46) Dibromomethane	9.20	93	44084	21.028	ug/l	97
47) Bromodichloromethane	9.40	83	83346	19.568	ug/l	99
48) Methyl methacrylate	9.19	41	77686	21.261	ug/l	97
49) 1,4-Dioxane	9.20	88	16762	391.757	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	446842	108.937	ug/l	100
52) Toluene	10.15	92	152147	21.177	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	84501	19.835	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	97355	19.764	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	58007	21.280	ug/l	98
56) Ethyl methacrylate	10.43	69	96140	21.135	ug/l	97
57) 1,3-Dichloropropane	10.71	76	106524	21.300	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	122580	92.106	ug/l	100
59) 2-Hexanone	10.75	43	313312	104.014	ug/l	97
60) Dibromochloromethane	10.90	129	53089	20.051	ug/l	100
61) 1,2-Dibromoethane	11.00	107	56278	20.504	ug/l	98
64) Tetrachloroethene	10.63	164	52174	20.607	ug/l	96
65) Chlorobenzene	11.43	112	153113	20.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	51531	20.165	ug/l	97
67) Ethyl Benzene	11.51	91	302085	21.219	ug/l	100
68) m/p-Xylenes	11.62	106	208717	41.615	ug/l	99
69) o-Xylene	11.95	106	102389	21.065	ug/l	100
70) Styrene	11.96	104	162567	20.207	ug/l	99
71) Bromoform	12.13	173	29449	19.796	ug/l #	96
73) Isopropylbenzene	12.25	105	276212	23.696	ug/l	100
74) N-amyl acetate	12.07	43	128070	23.281	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	79317	23.087	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	100840	33.204	ug/l #	100
77) Bromobenzene	12.53	156	56895	22.933	ug/l	96
78) n-propylbenzene	12.59	91	298414	23.001	ug/l	98
79) 2-Chlorotoluene	12.68	91	190689	23.571	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	222727	23.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	16298	18.396	ug/l	90
82) 4-Chlorotoluene	12.78	91	175103	21.866	ug/l	99
83) tert-Butylbenzene	12.99	119	194949	23.959	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	211517	22.798	ug/l	99
85) sec-Butylbenzene	13.17	105	242373	22.145	ug/l	99
86) p-Isopropyltoluene	13.29	119	199704	22.063	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	87535	21.657	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	83650	21.426	ug/l	99
89) n-Butylbenzene	13.62	91	189687	22.363	ug/l	99
90) Hexachloroethane	13.88	117	31828	20.255	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	83649	21.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11532	21.800	ug/l	92

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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 31 23:46:15 2019
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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration

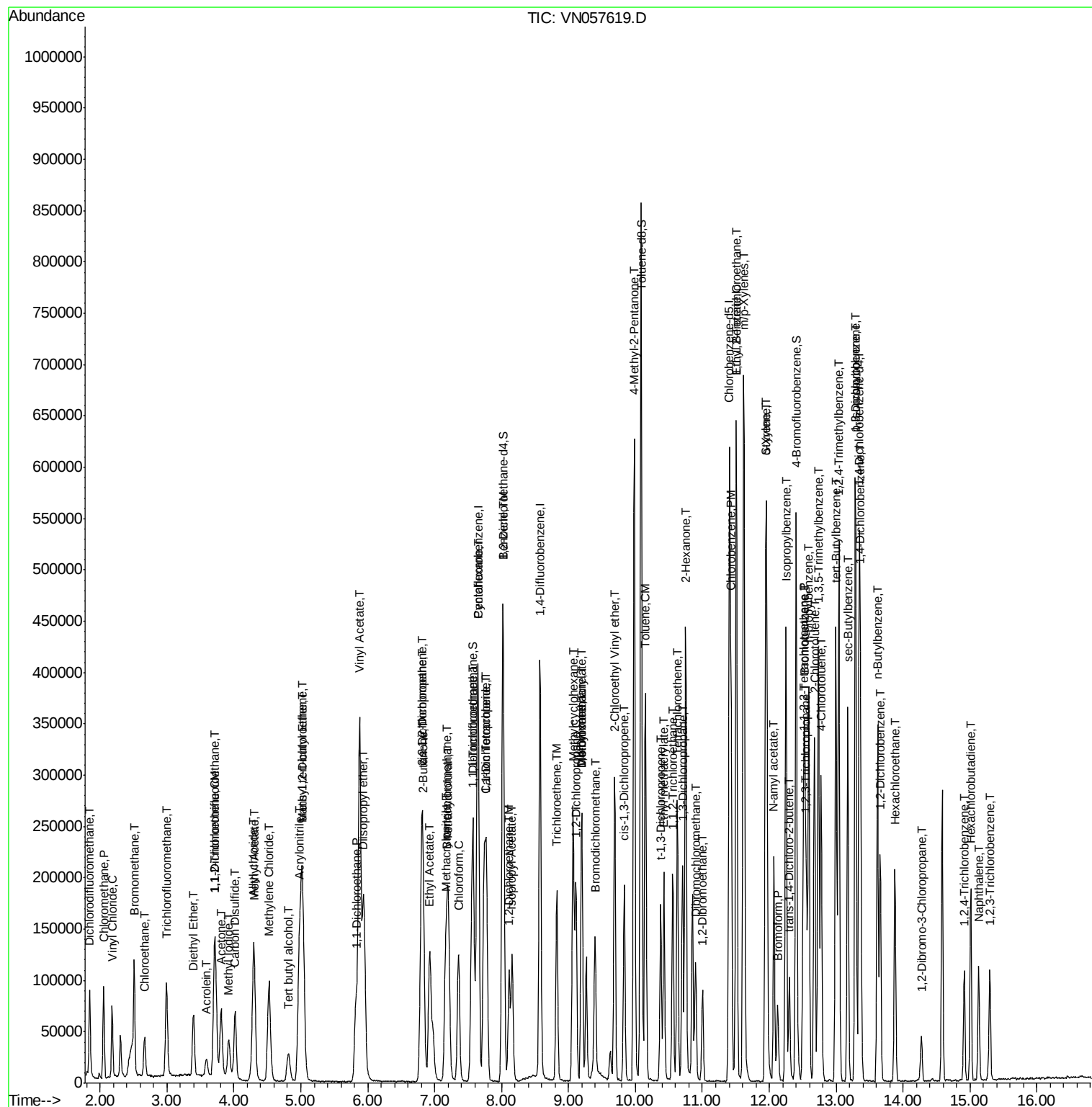
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	28163	22.328	ug/l	98
94) Hexachlorobutadiene	15.01	225	28244	21.340	ug/l	97
95) Naphthalene	15.13	128	81043	21.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	27189	21.477	ug/l	96

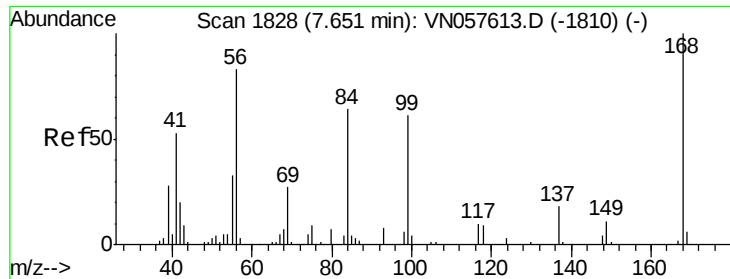
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VN057619.D
 Acq On : 31 Aug 2019 17:24
 Operator : JC/SP
 Sample : VN0901WBSD01
 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Quant Time: Aug 31 23:46:15 2019
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

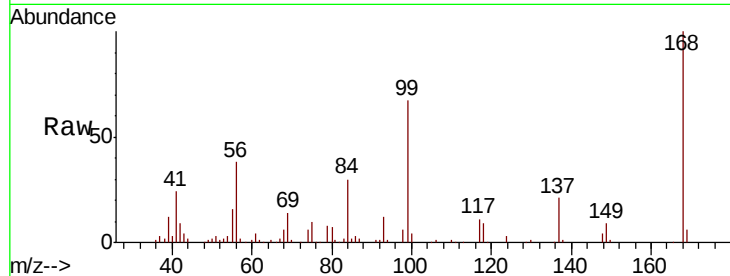
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 184706

Ion Ratio Lower Upper

168 100

99 66.8 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

80000

60000

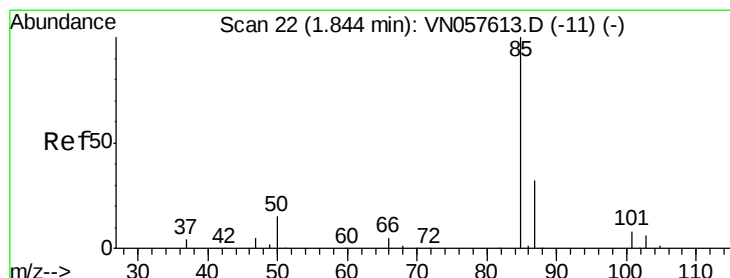
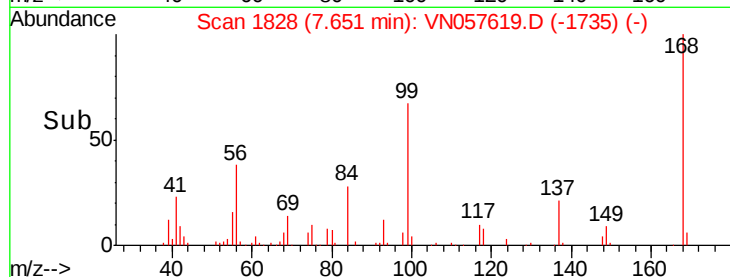
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 21.160 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057619.D

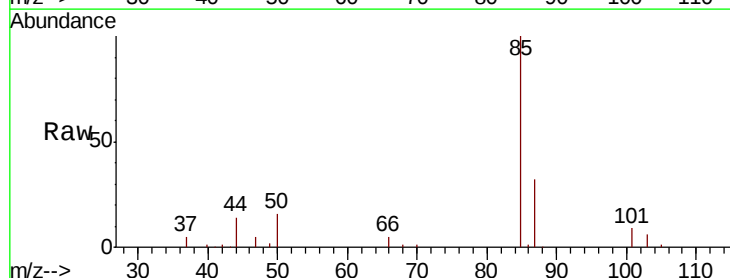
Acq: 31 Aug 2019 17:24

Tgt Ion: 85 Resp: 62499

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

50000

40000

30000

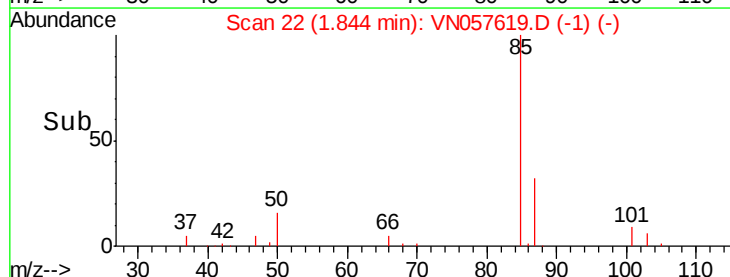
20000

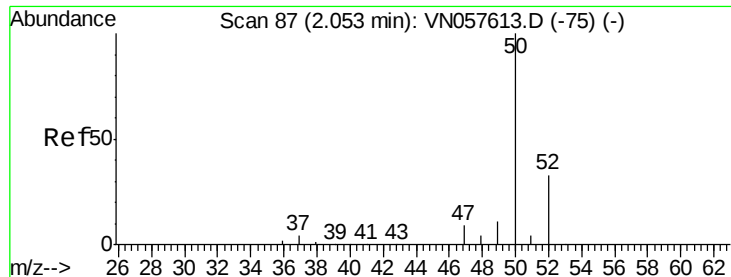
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 22.670 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

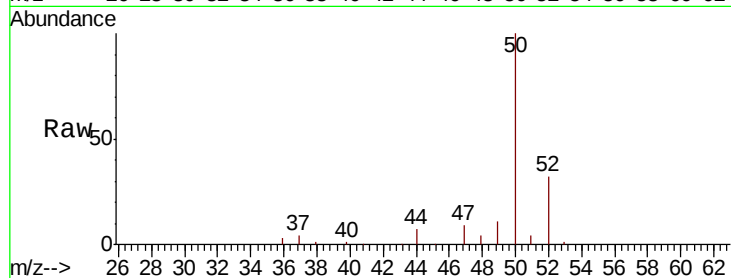
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 77191

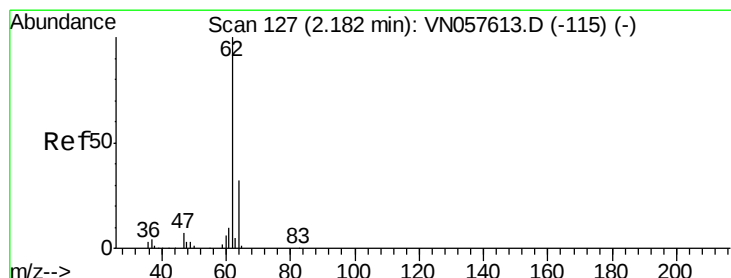
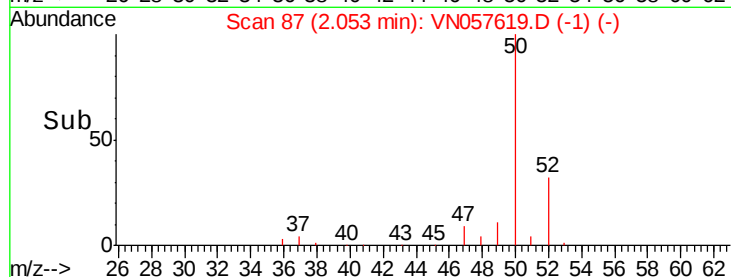
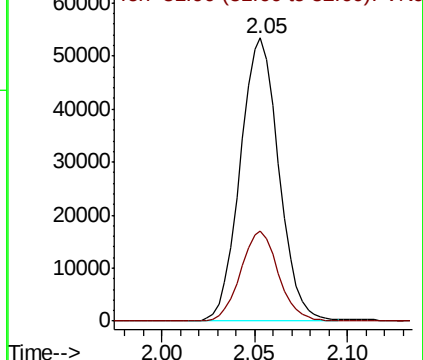
Ion Ratio Lower Upper

50 100

52 31.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNC
Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 21.990 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057619.D

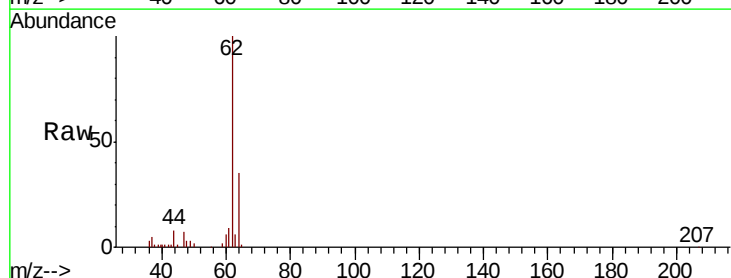
Acq: 31 Aug 2019 17:24

Tgt Ion: 62 Resp: 58647

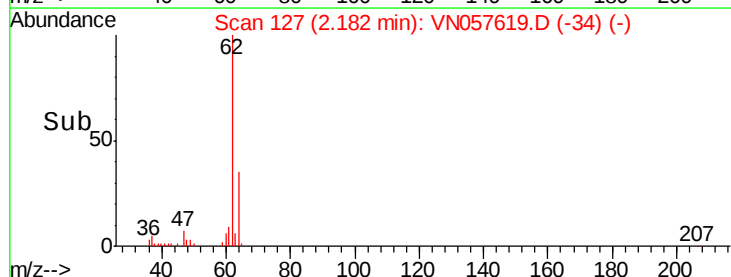
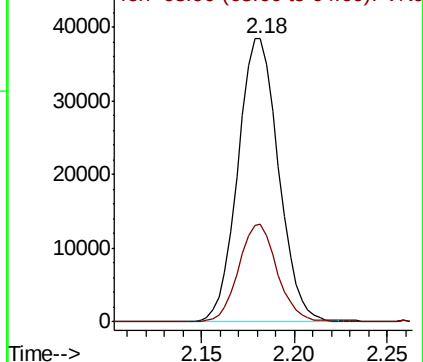
Ion Ratio Lower Upper

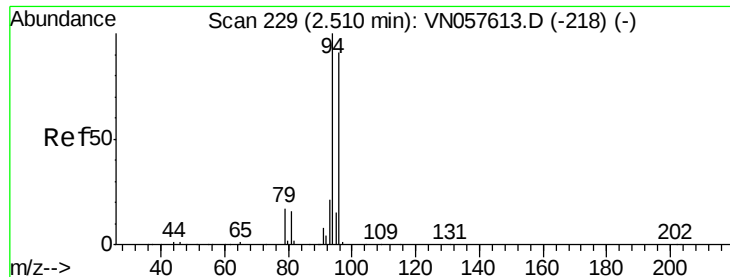
62 100

64 34.5 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 24.088 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

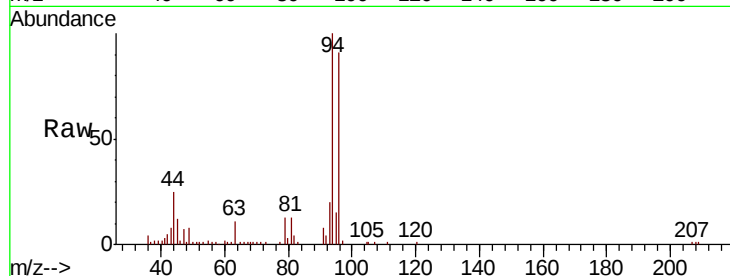
ClientSampleId :

Tot Ion: 94 Resp: 40648

Ion Ratio Lower Upper

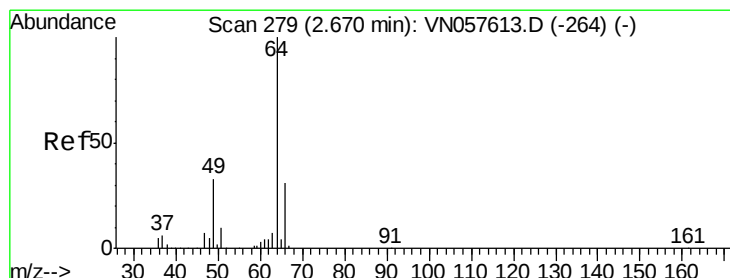
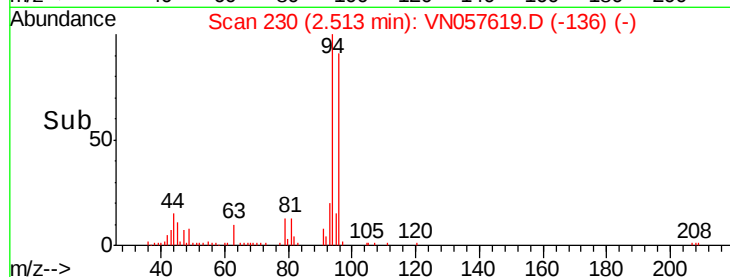
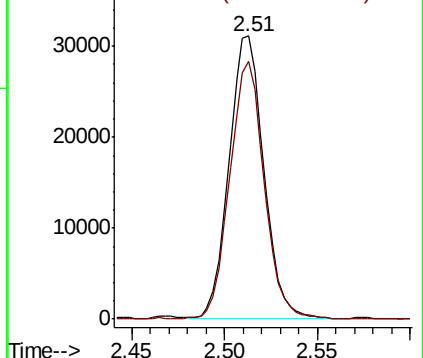
94 100

96 90.9 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.452 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN057619.D

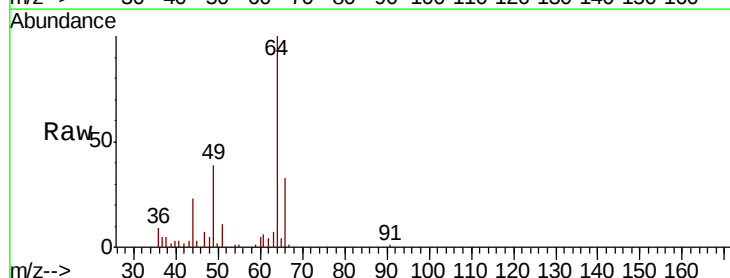
Acq: 31 Aug 2019 17:24

Tgt Ion: 64 Resp: 31957

Ion Ratio Lower Upper

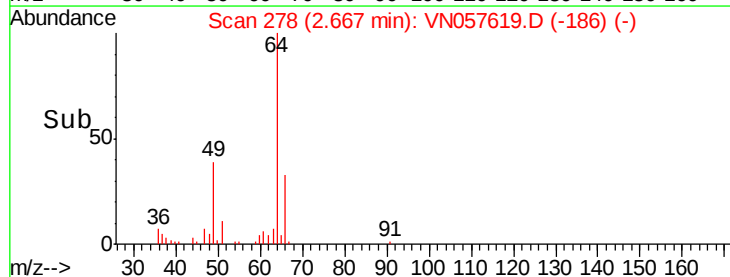
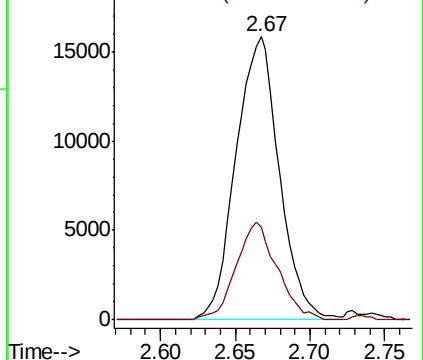
64 100

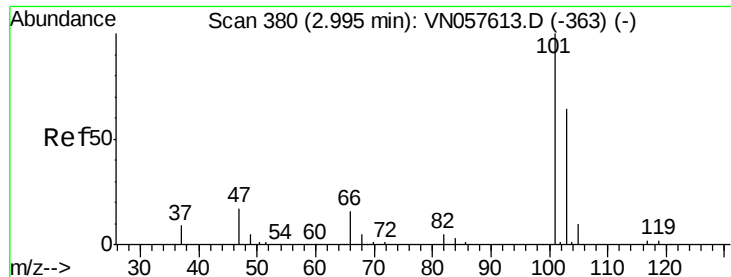
66 32.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



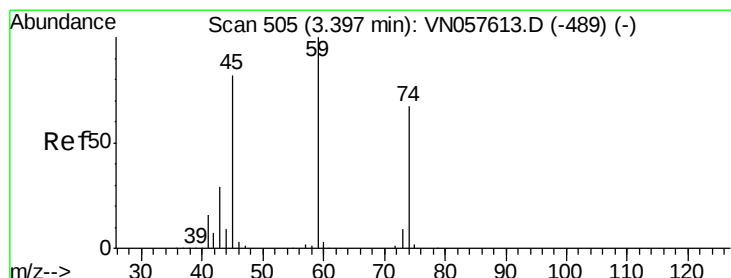
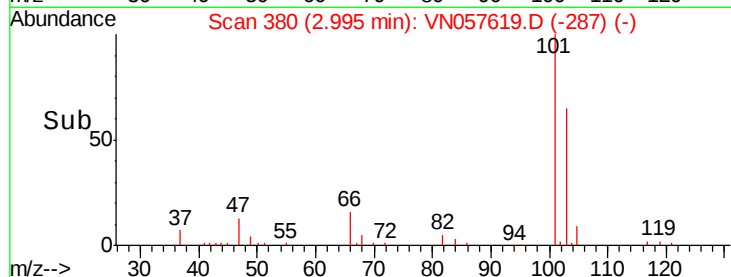
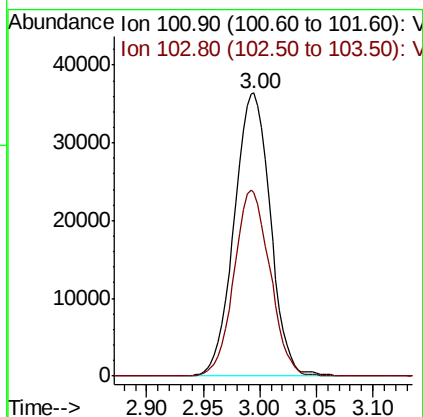
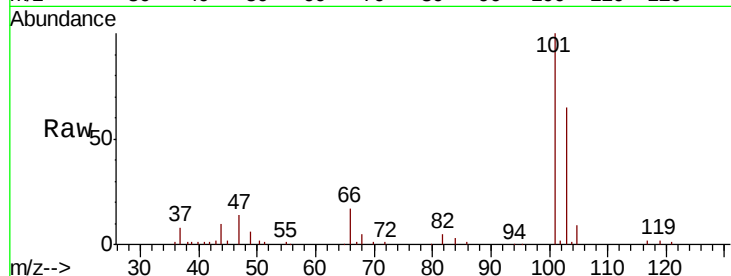


#7

Trichlorofluoromethane
 Concen: 21.699 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

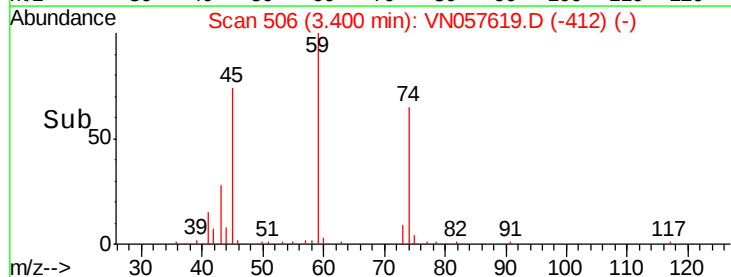
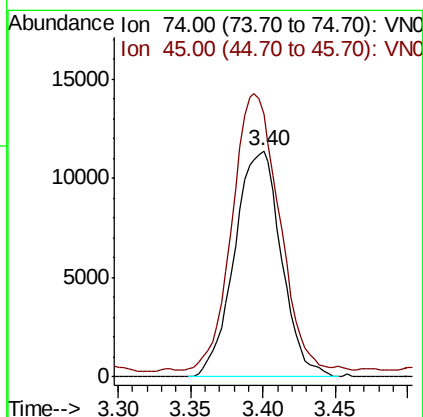
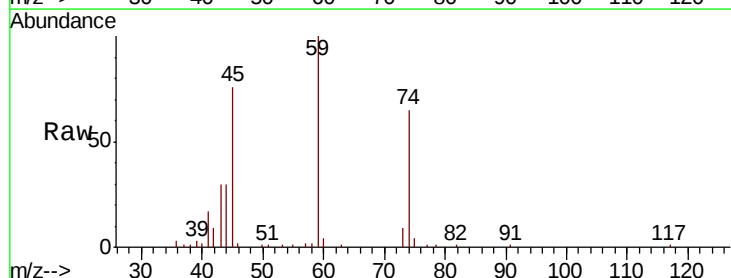
Tot Ion:101 Resp: 81233
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.3 76.9

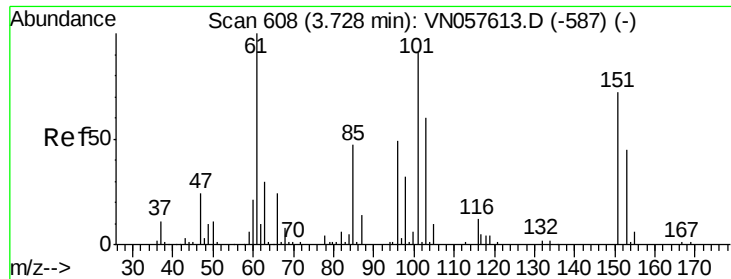


#8

Diethyl Ether
 Concen: 20.639 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 74 Resp: 25567
 Ion Ratio Lower Upper
 74 100
 45 122.5 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.190 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

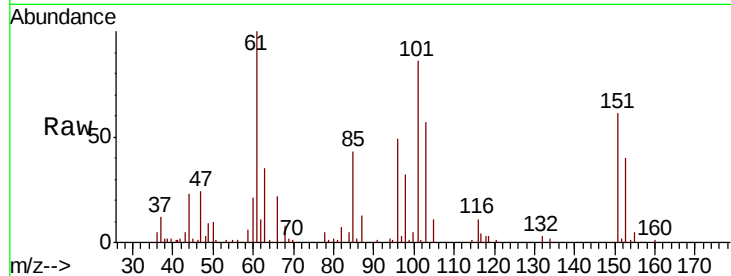
Tot Ion:101 Resp: 40217

Ion Ratio Lower Upper

101 100

85 52.0 42.1 63.1

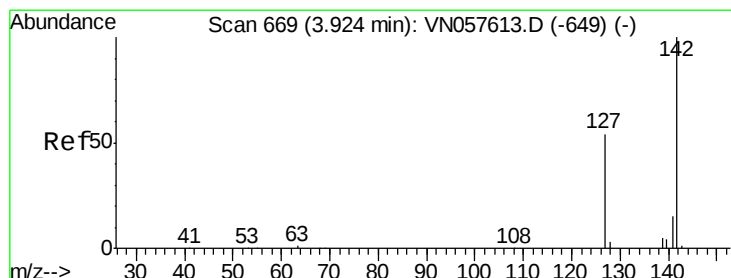
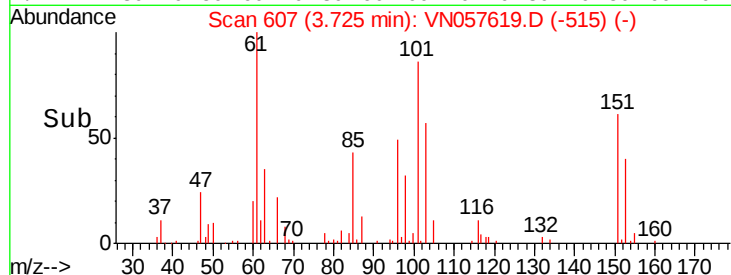
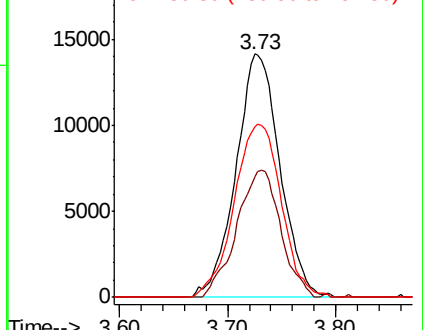
151 76.0 60.2 90.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.187 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

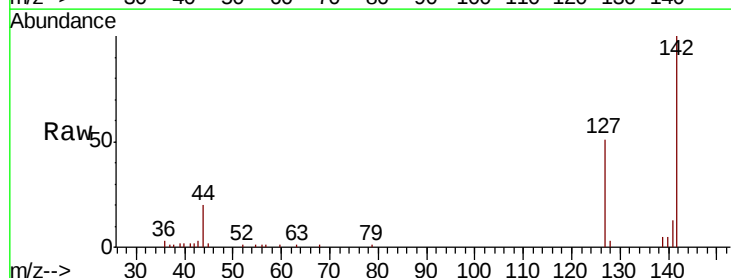
Tgt Ion:142 Resp: 51919

Ion Ratio Lower Upper

142 100

127 55.3 43.0 64.6

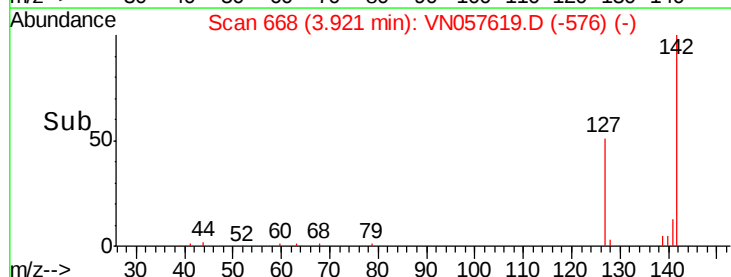
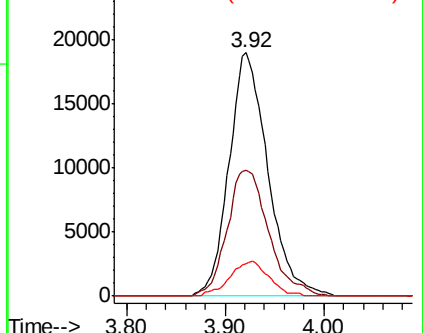
141 14.4 11.4 17.2

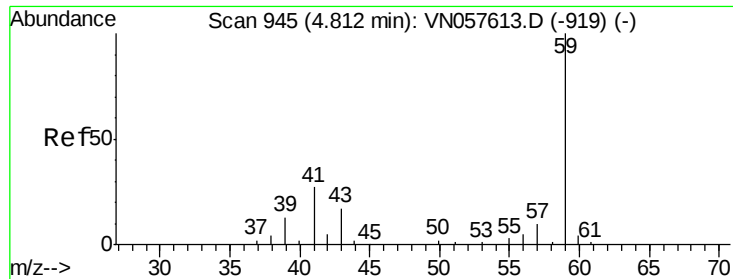


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



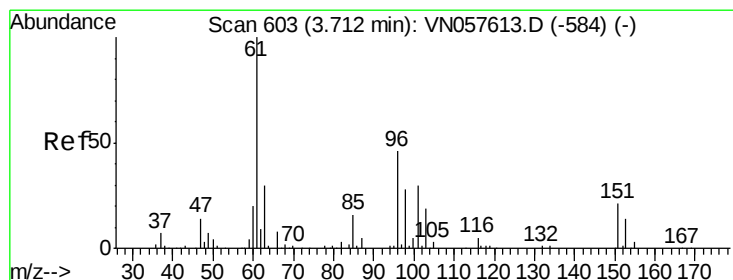
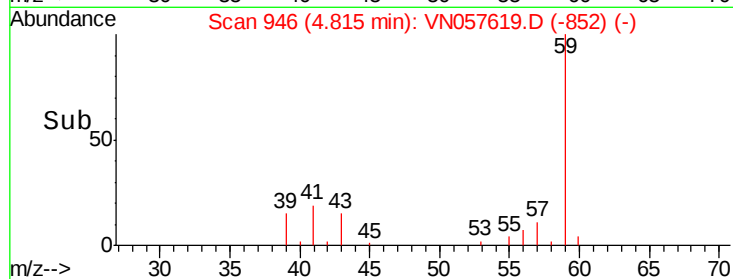
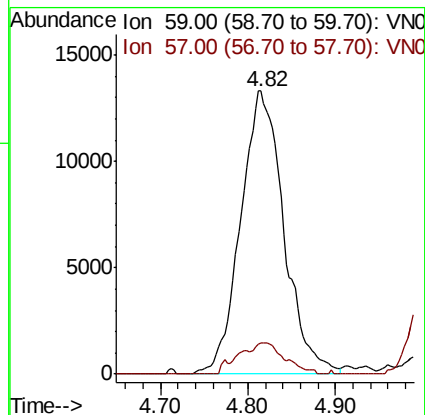
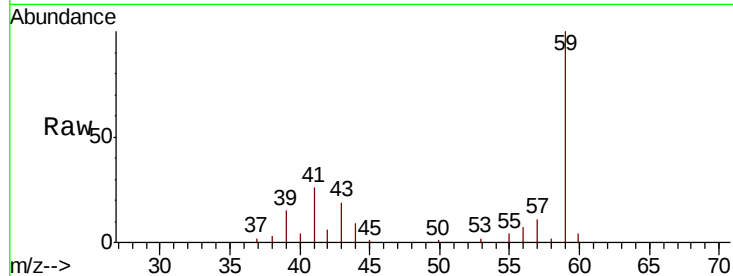


#11

Tert butyl alcohol
 Concen: 104.285 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Instrument :
 MSVOA_N
 ClientSampled :

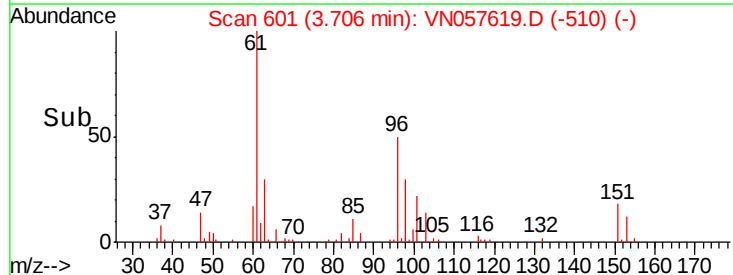
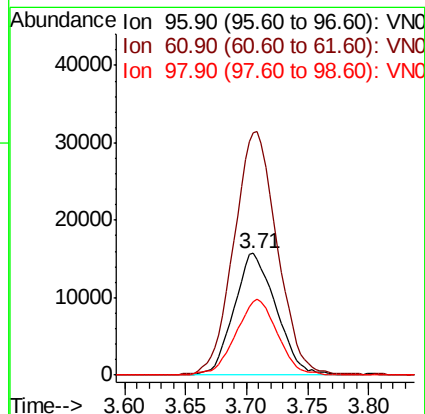
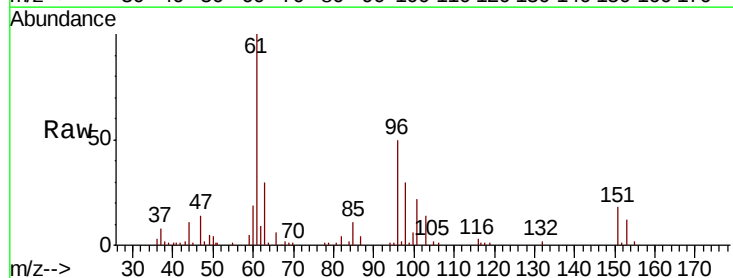
Tot Ion: 59 Resp: 45638
 Ion Ratio Lower Upper
 59 100
 57 8.0 5.0 7.6#

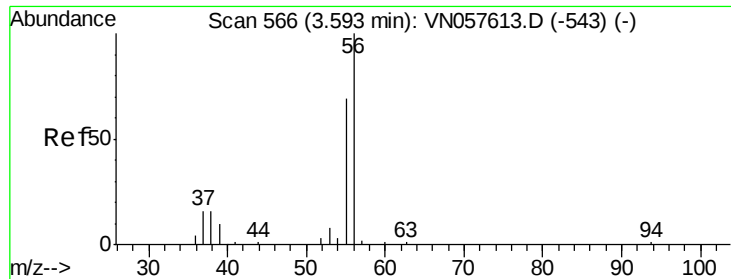


#12

1,1-Dichloroethene
 Concen: 21.830 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 96 Resp: 37558
 Ion Ratio Lower Upper
 96 100
 61 197.8 172.1 258.1
 98 60.0 48.3 72.5

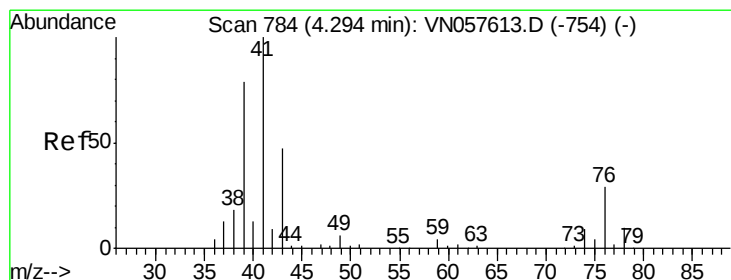
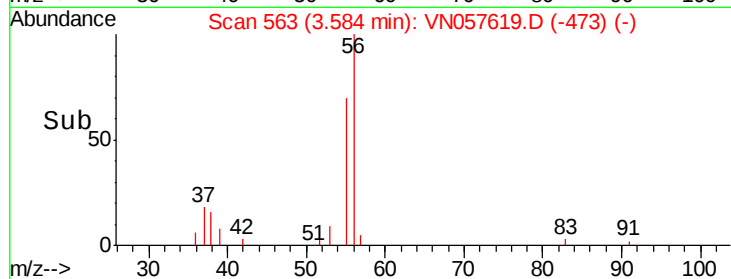
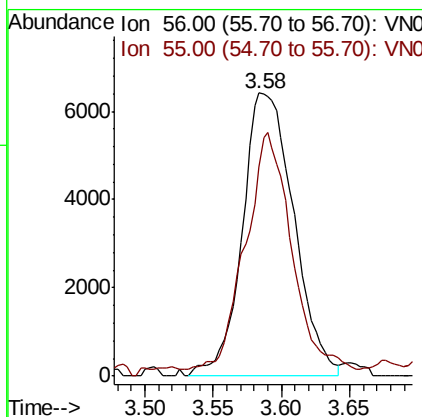
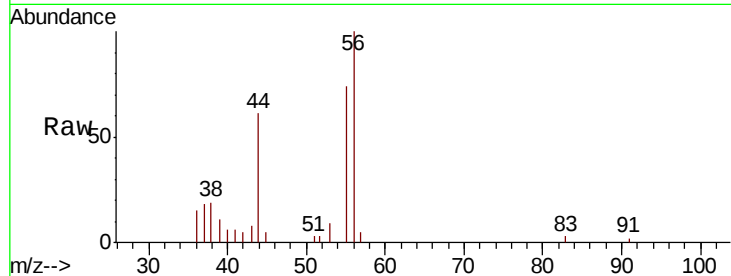




#13
 Acrolein
 Concen: 96.521 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

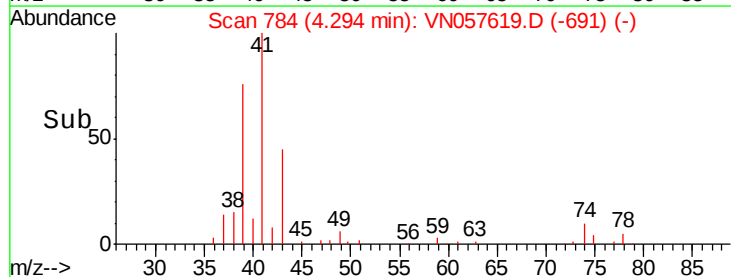
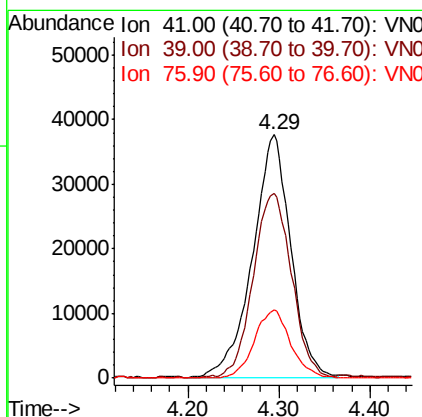
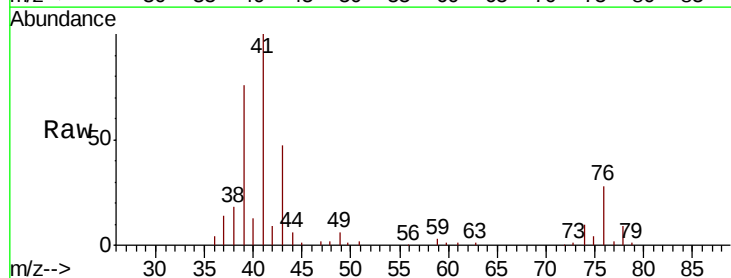
Instrument :
 MSVOA_N
 ClientSampleId :

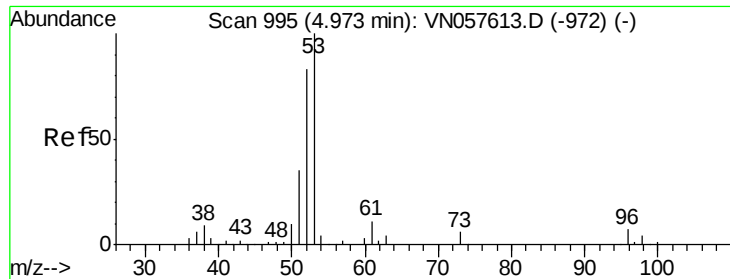
Tot Ion: 56 Resp: 16795
 Ion Ratio Lower Upper
 56 100
 55 74.0 56.5 84.7



#14
 Allyl chloride
 Concen: 20.563 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 41 Resp: 110368
 Ion Ratio Lower Upper
 41 100
 39 76.2 60.9 91.3
 76 26.4 21.1 31.7





#15

Acrylonitrile

Concen: 106.689 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :

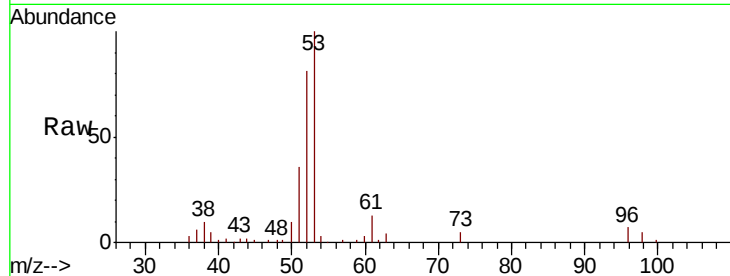
Tot Ion: 53 Resp: 140101

Ion Ratio Lower Upper

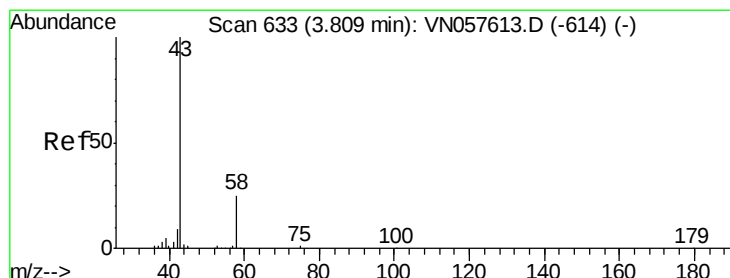
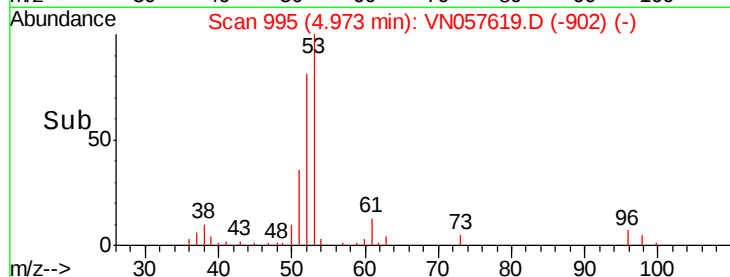
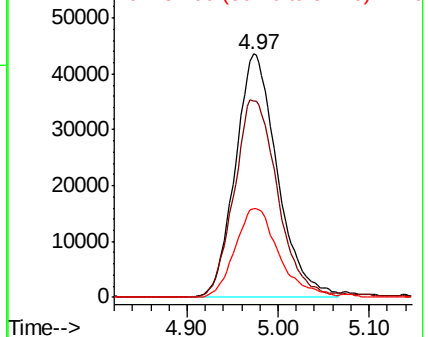
53 100

52 84.0 67.1 100.7

51 38.0 30.2 45.4



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: 90.363 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN057619.D

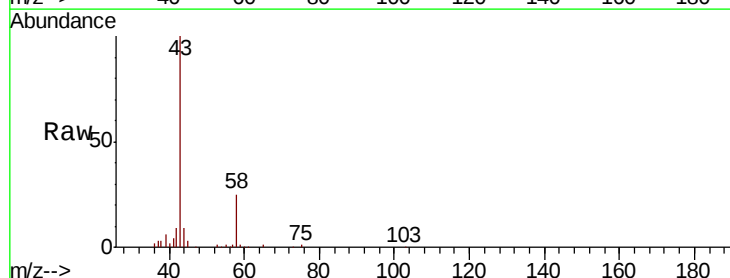
Acq: 31 Aug 2019 17:24

Tgt Ion: 43 Resp: 105666

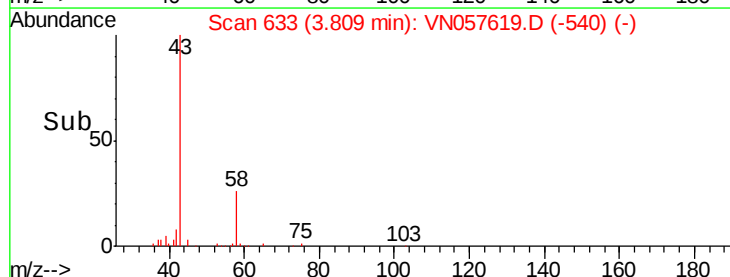
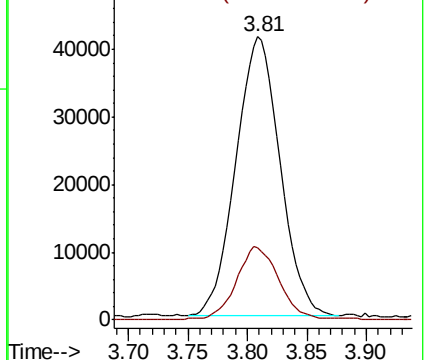
Ion Ratio Lower Upper

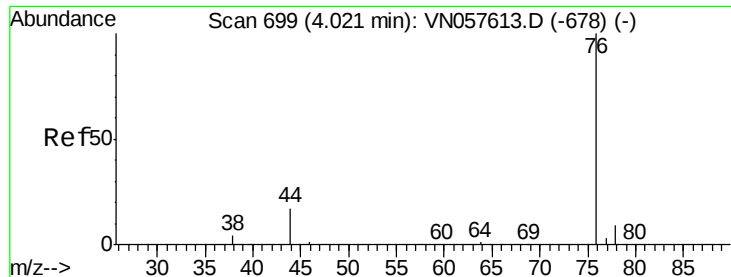
43 100

58 25.3 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

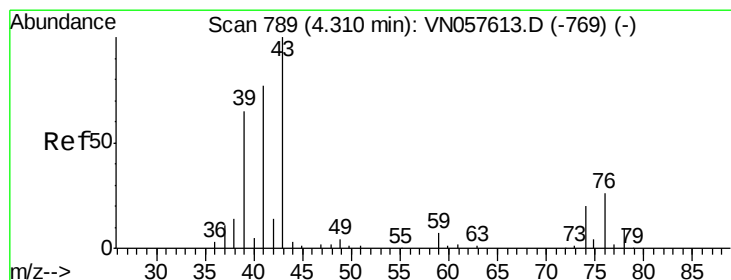
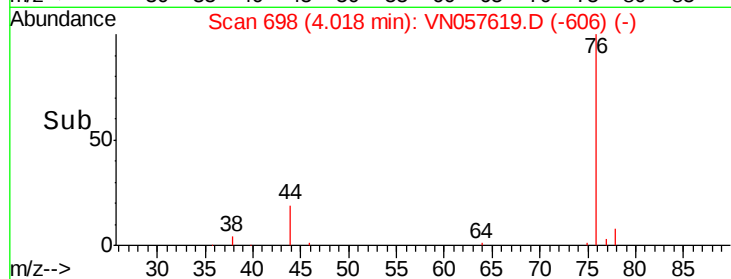
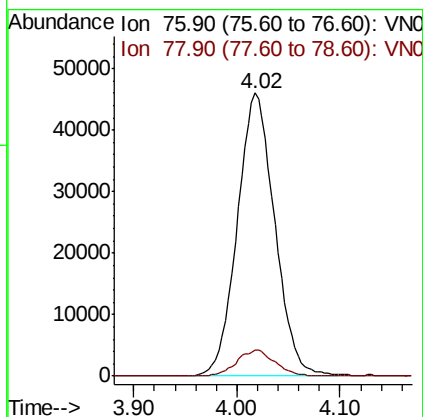
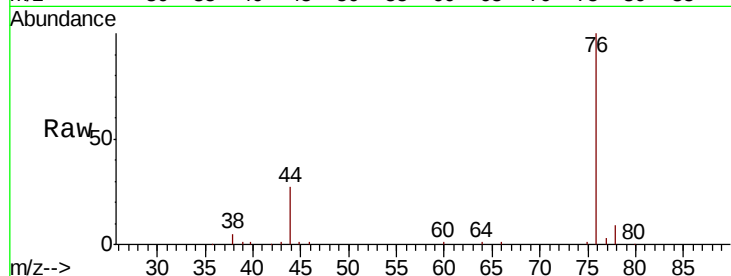




#17
Carbon Disulfide
Concen: 20.851 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

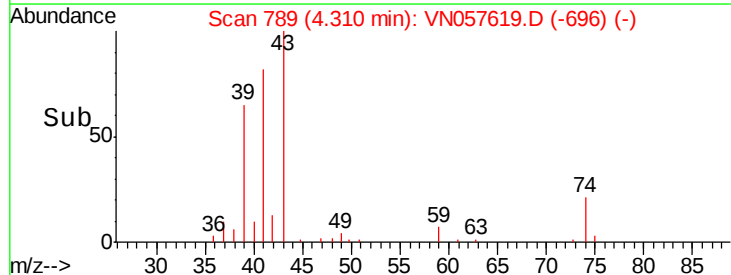
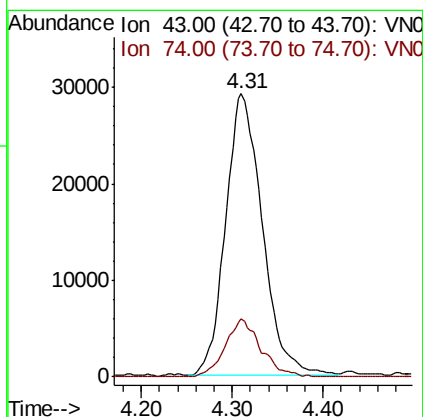
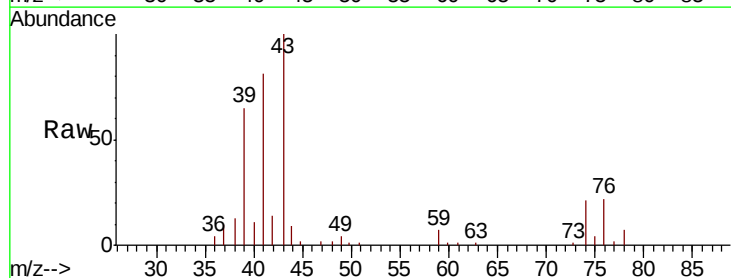
Instrument :
MSVOA_N
ClientSampled :

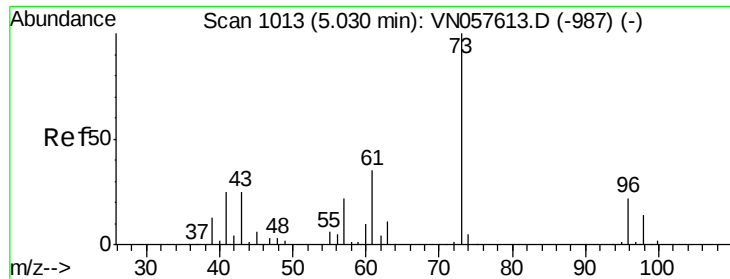
Tot Ion: 76 Resp: 115974
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 20.250 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion: 43 Resp: 81304
Ion Ratio Lower Upper
43 100
74 19.9 15.7 23.5

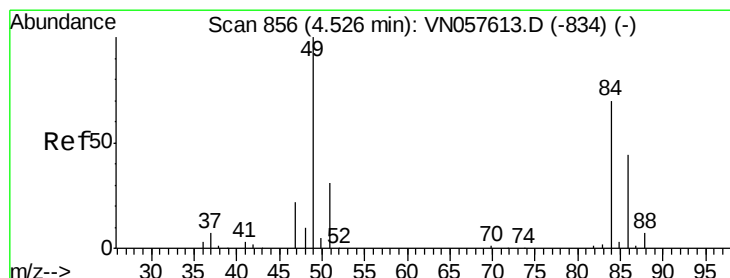
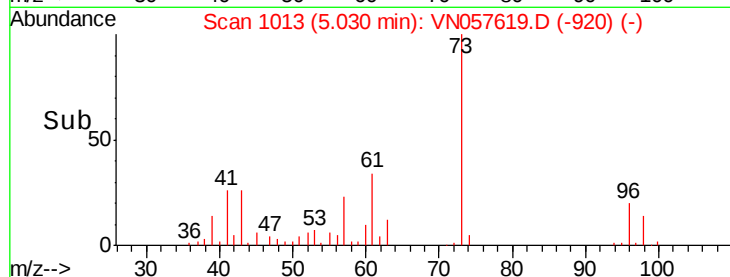
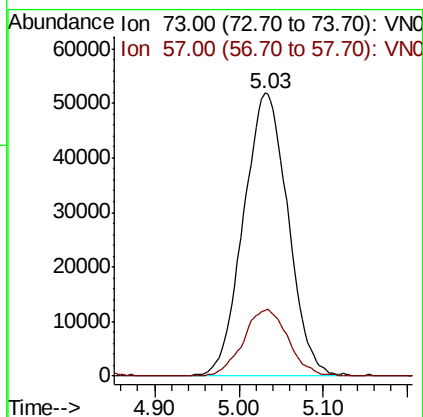
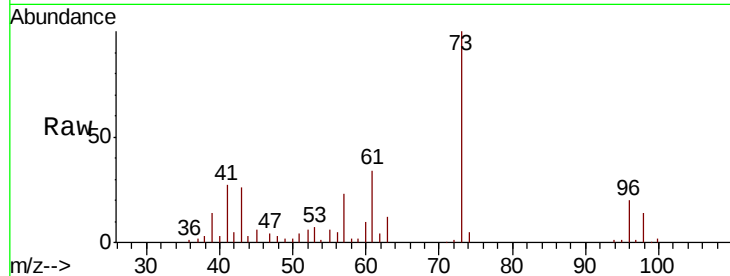




#19
Methyl tert-butyl Ether
Concen: 21.360 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

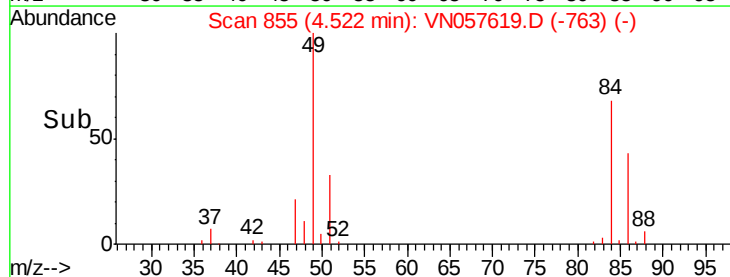
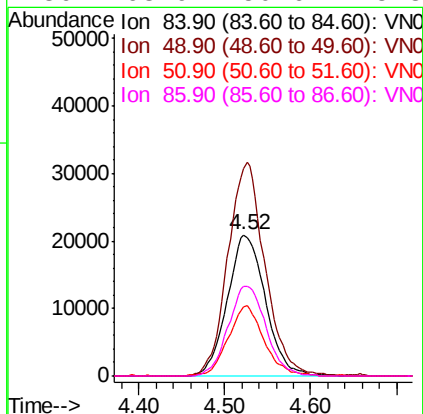
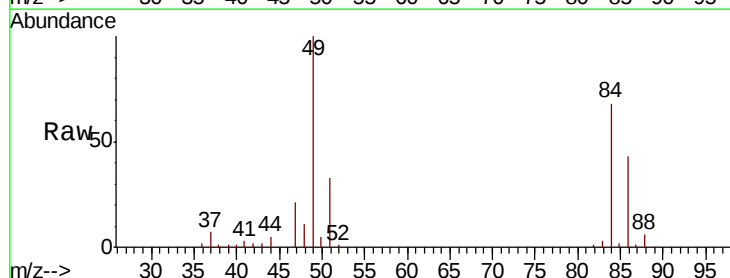
Instrument :
MSVOA_N
ClientSampled :

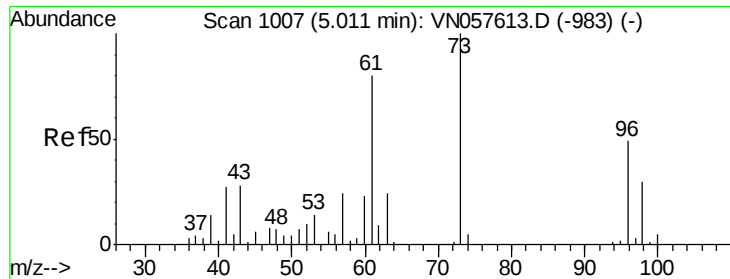
Tot Ion: 73 Resp: 190123
Ion Ratio Lower Upper
73 100
57 23.2 17.3 25.9



#20
Methylene Chloride
Concen: 22.229 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion: 84 Resp: 64351
Ion Ratio Lower Upper
84 100
49 146.9 113.8 170.6
51 48.0 35.0 52.6
86 63.9 50.6 75.8

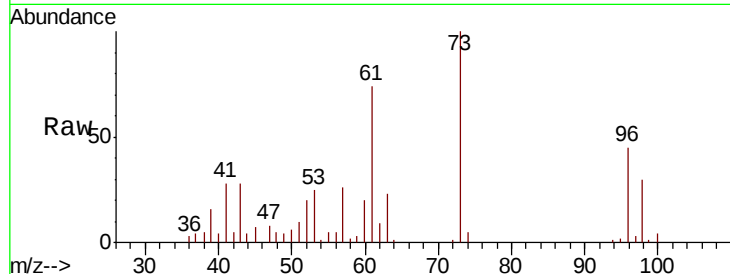




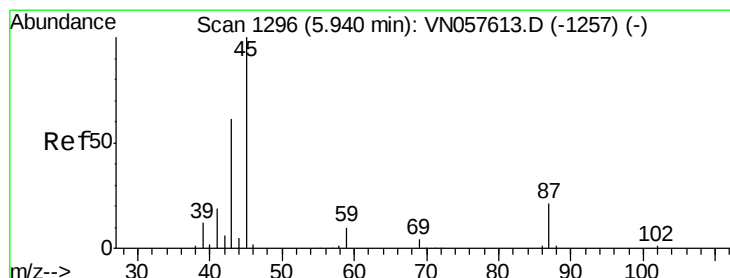
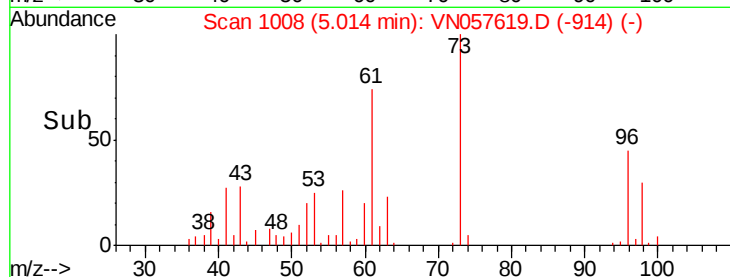
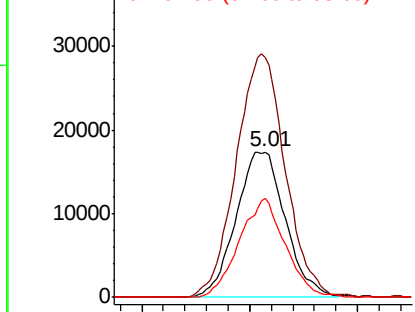
#21
trans-1,2-Dichloroethene
Concen: 21.497 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 54984
Ion Ratio Lower Upper
96 100
61 164.8 131.6 197.4
98 67.7 49.9 74.9

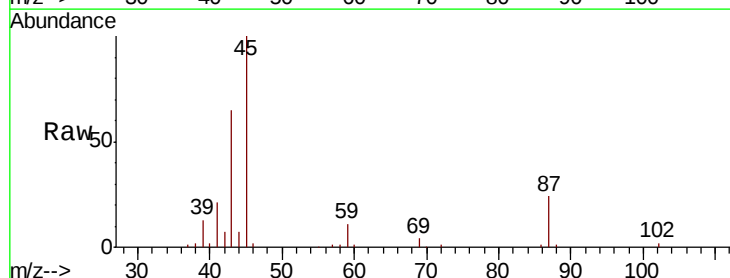


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

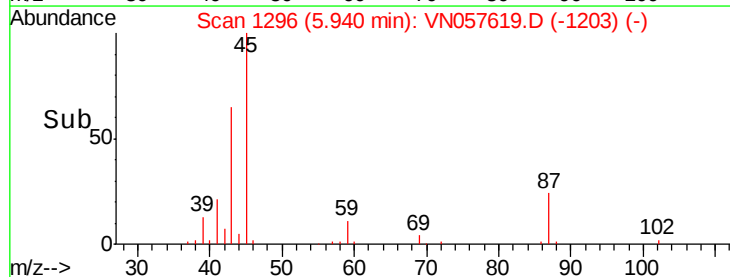
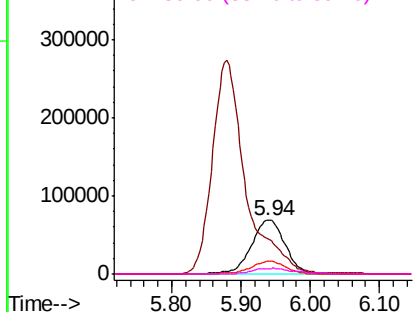


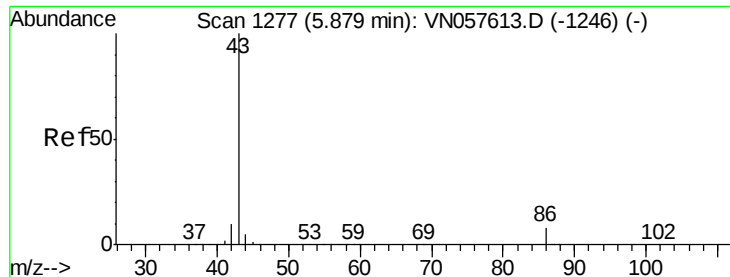
#22
Diisopropyl ether
Concen: 21.161 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion: 45 Resp: 233483
Ion Ratio Lower Upper
45 100
43 63.0 49.1 73.7
87 24.4 17.0 25.6
59 10.1 8.2 12.2



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

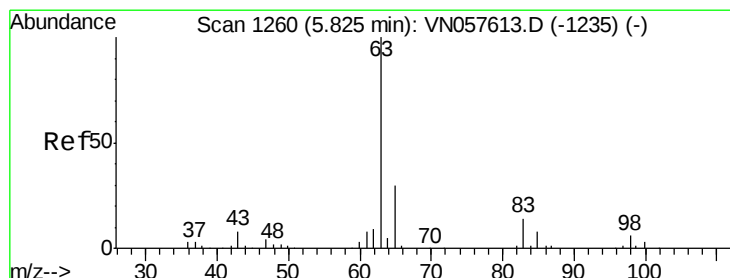
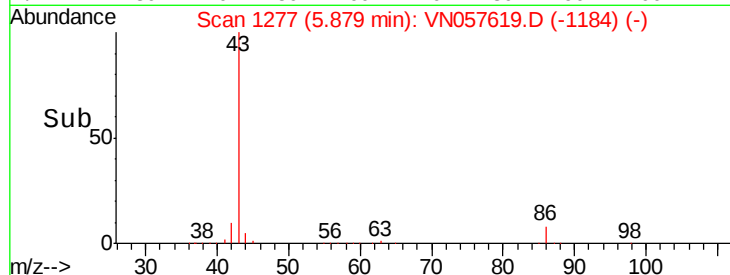
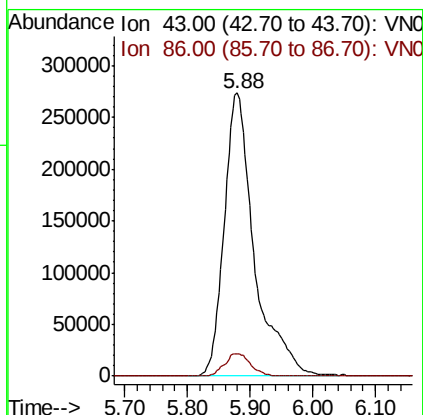
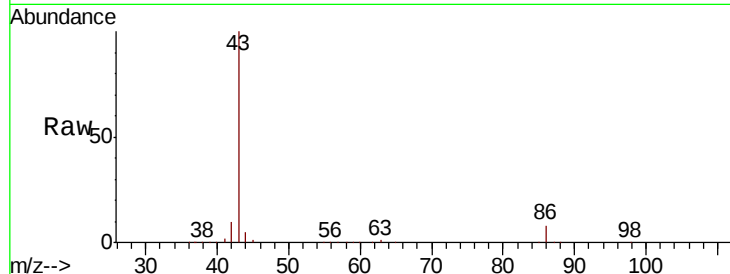




#23
 Vinyl Acetate
 Concen: 107.610 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

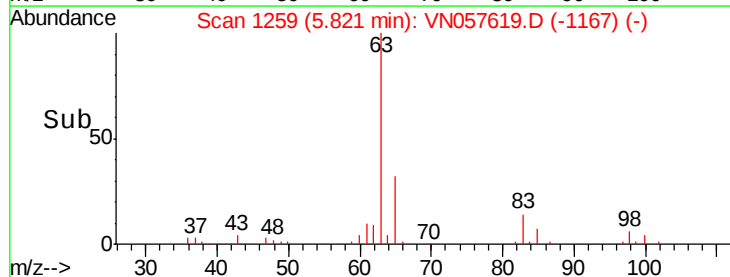
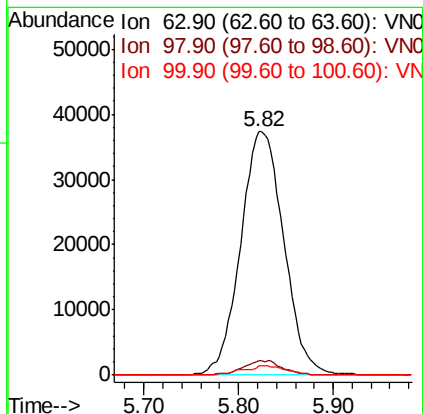
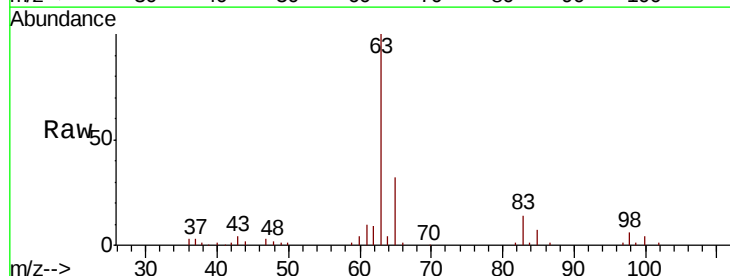
Instrument :
 MSVOA_N
 ClientSampleId :

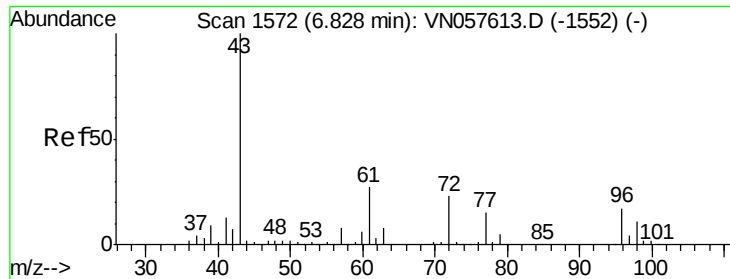
Tot Ion: 43 Resp: 912500
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.1 9.1



#24
 1,1-Dichloroethane
 Concen: 21.302 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 63 Resp: 117983
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.8 1.5 4.5





#25

2-Butanone

Concen: 102.084 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

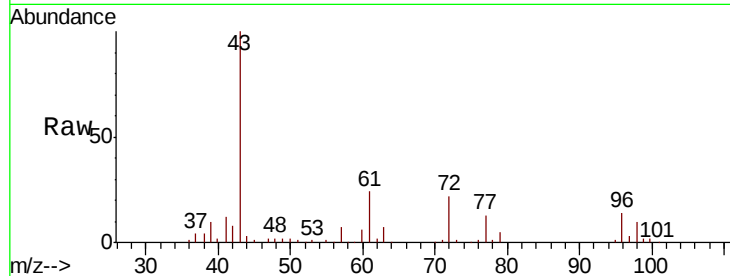
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 198911

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.4

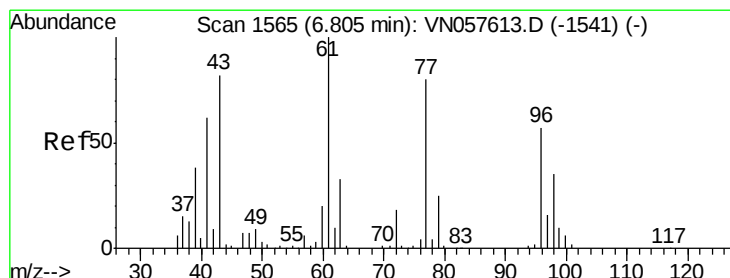
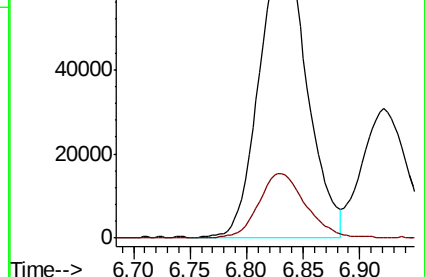
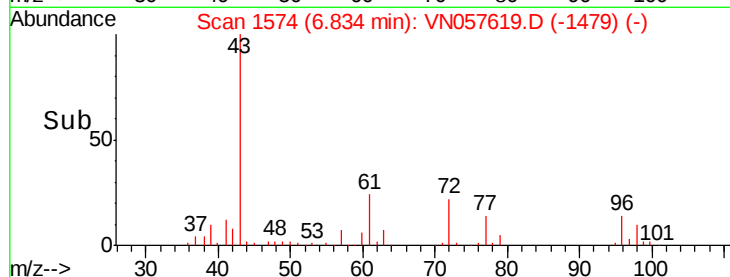


Abundance Ion 43.00 (42.70 to 43.70): VN057619.D (-1479) (-)

Ion 72.00 (71.70 to 72.70): VN057619.D (-1479) (-)

6.83

6.83



#26

2,2-Dichloropropane

Concen: 18.947 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057619.D

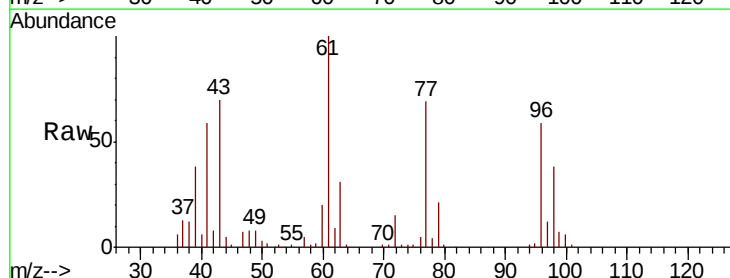
Acq: 31 Aug 2019 17:24

Tgt Ion: 77 Resp: 83880

Ion Ratio Lower Upper

77 100

97 10.8 10.6 31.8

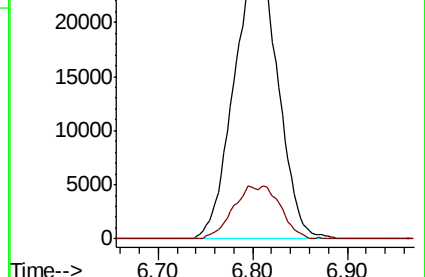
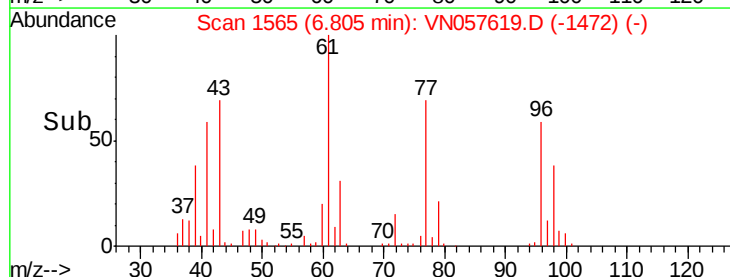


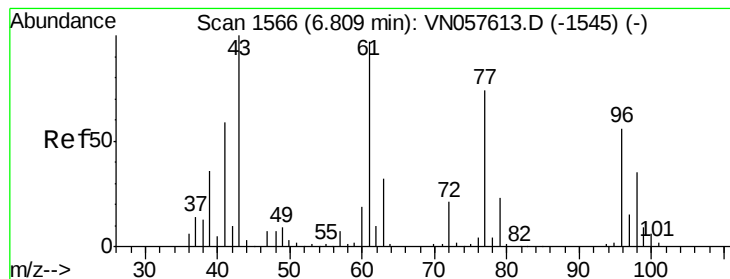
Abundance Ion 76.90 (76.60 to 77.60): VN057619.D (-1472) (-)

Ion 96.90 (96.60 to 97.60): VN057619.D (-1472) (-)

6.81

6.81





#27

cis-1,2-Dichloroethene

Concen: 20.881 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

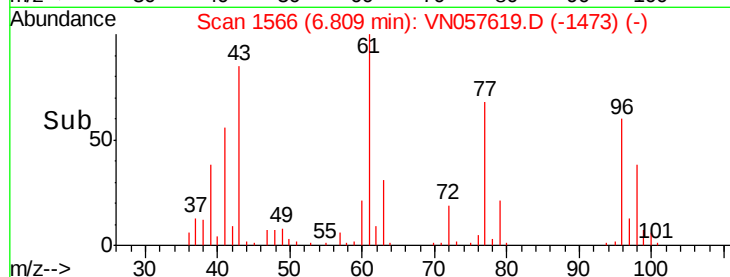
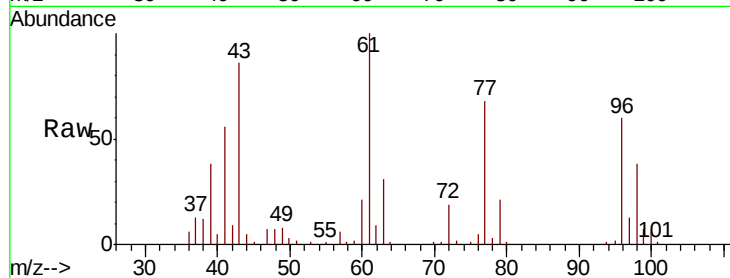
Tot Ion: 96 Resp: 63777

Ion Ratio Lower Upper

96 100

61 174.0 0.0 344.6

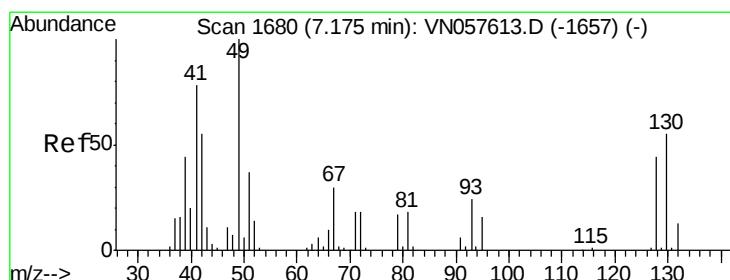
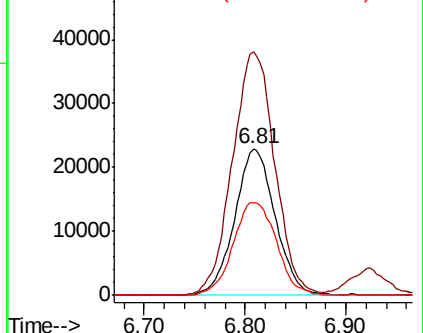
98 67.9 0.0 124.8



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: 20.395 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

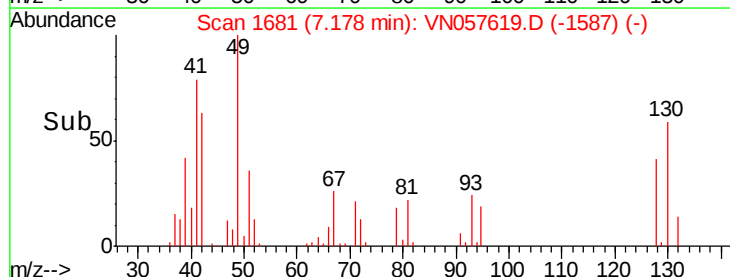
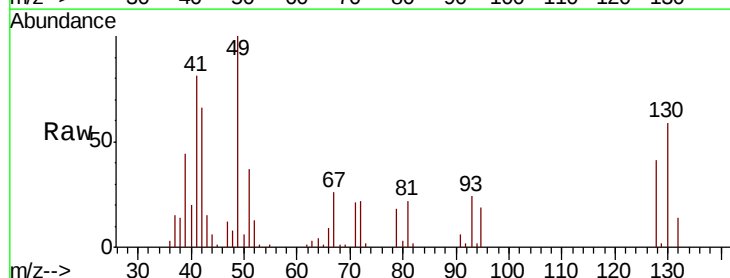
Tgt Ion: 49 Resp: 60153

Ion Ratio Lower Upper

49 100

129 1.4 0.0 1.8

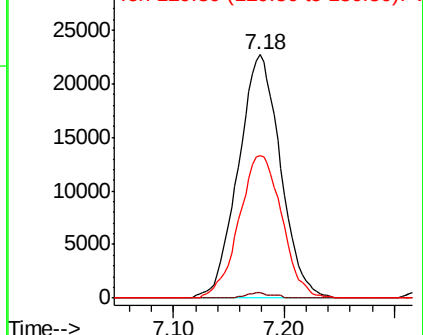
130 59.5 45.8 68.8

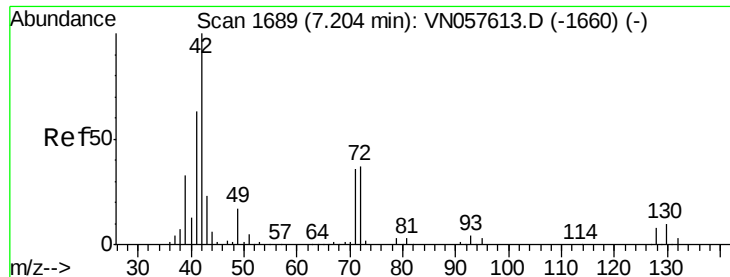


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

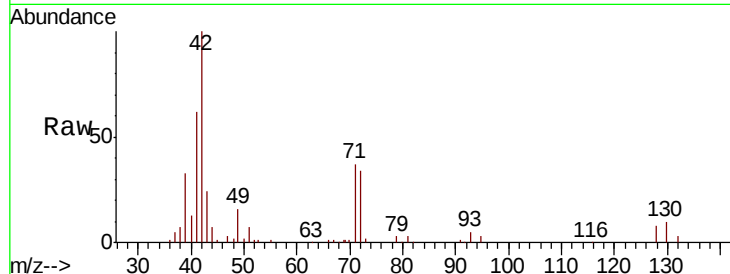




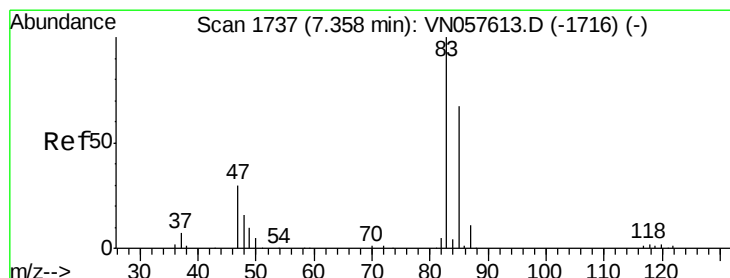
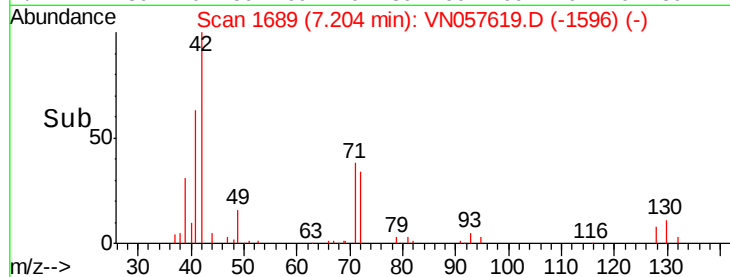
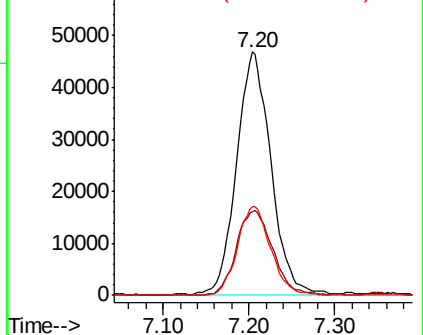
#29
Tetrahydrofuran
Concen: 105.636 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 129134
Ion Ratio Lower Upper
42 100
72 37.1 29.6 44.4
71 35.9 27.9 41.9

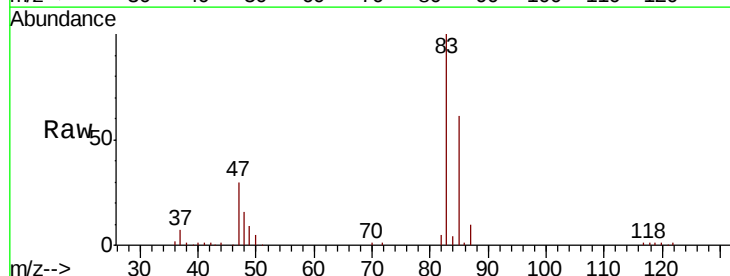


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

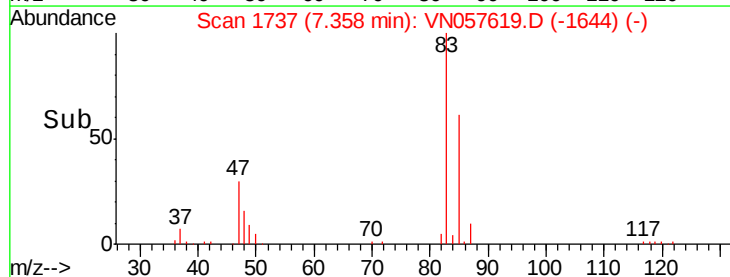
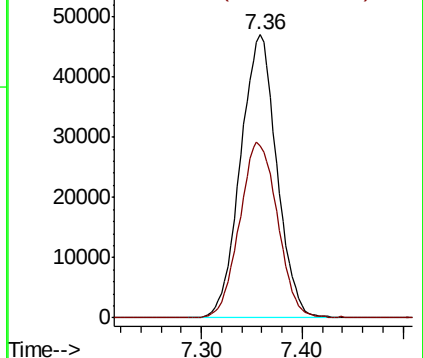


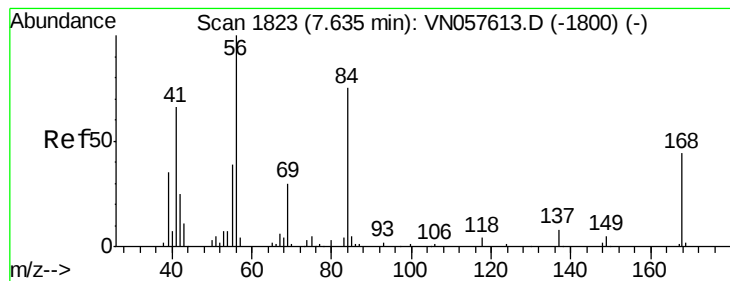
#30
Chloroform
Concen: 20.806 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion: 83 Resp: 116904
Ion Ratio Lower Upper
83 100
85 61.0 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 21.404 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampled :

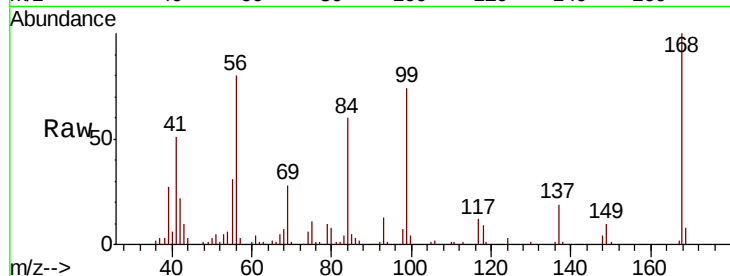
Tot Ion: 56 Resp: 118318

Ion Ratio Lower Upper

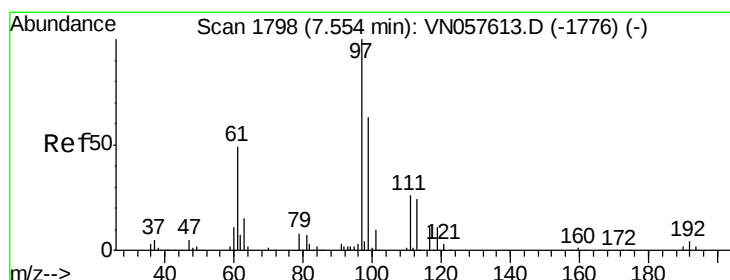
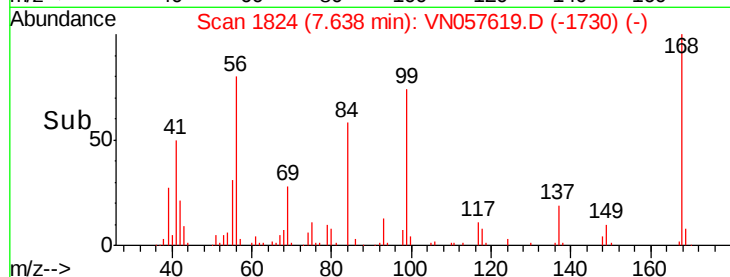
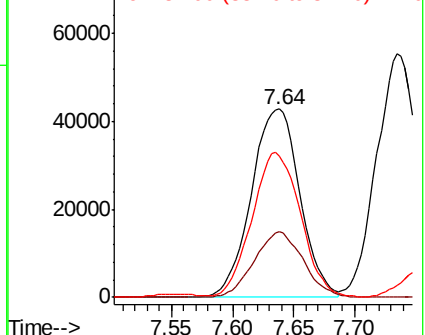
56 100

69 35.1 24.4 36.6

84 72.9 59.9 89.9



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: 20.795 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

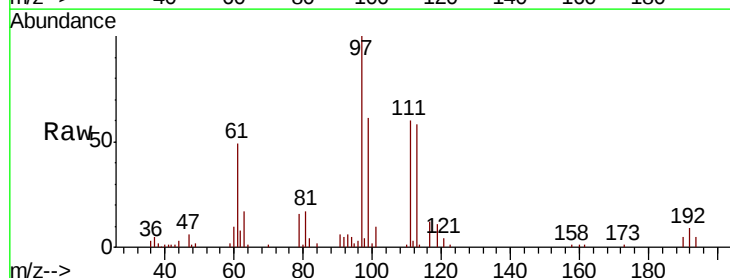
Tgt Ion: 97 Resp: 95848

Ion Ratio Lower Upper

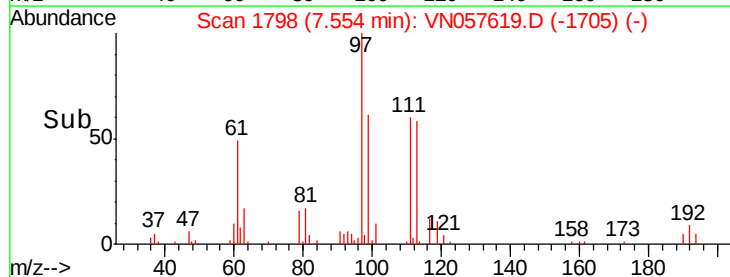
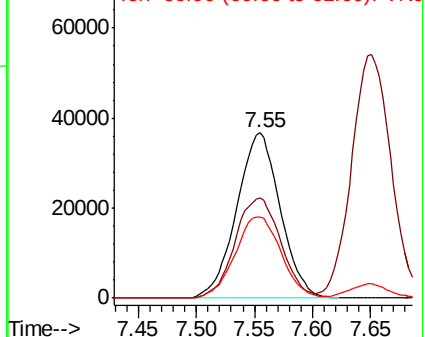
97 100

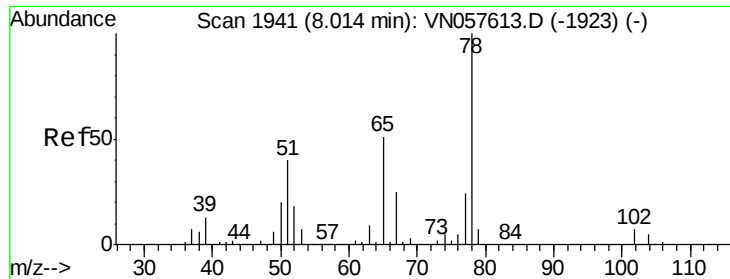
99 63.4 50.6 75.8

61 52.0 41.1 61.7



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: 50.835 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

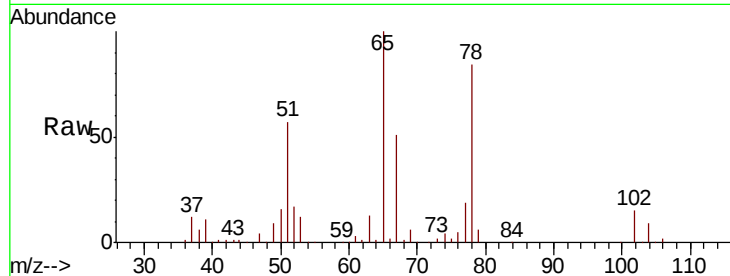
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 212109

Ion Ratio Lower Upper

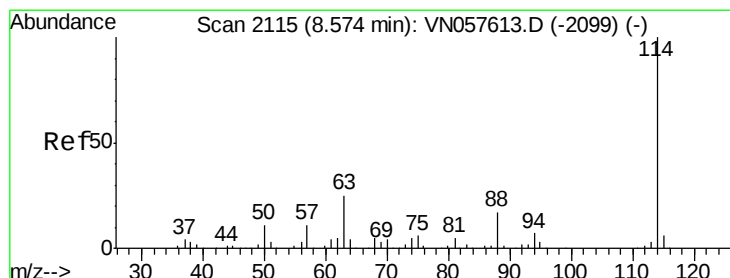
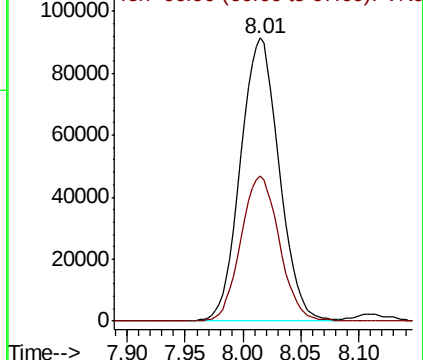
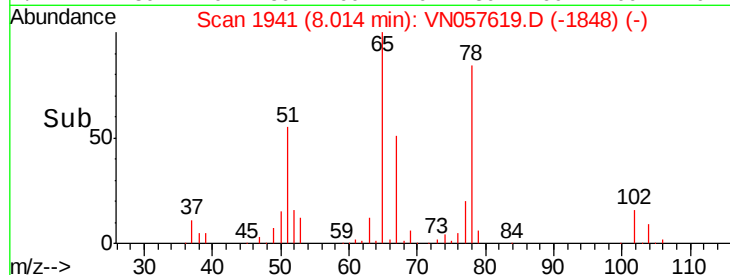
65 100

67 51.0 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN057619.D (-1848) (-)

Ion 66.90 (66.60 to 67.60): VN057619.D (-1848) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

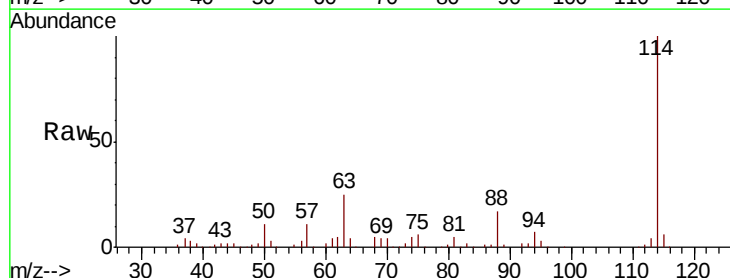
Tgt Ion:114 Resp: 314979

Ion Ratio Lower Upper

114 100

63 25.0 0.0 49.0

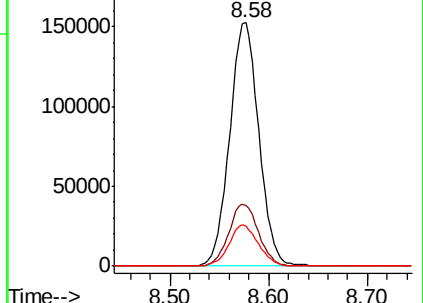
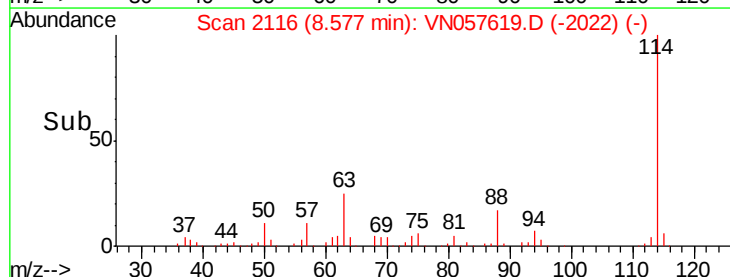
88 16.5 0.0 33.0

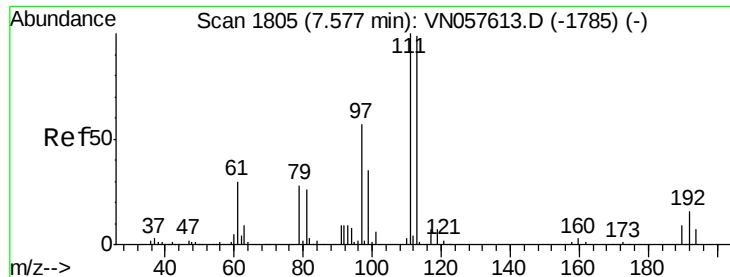


Abundance Ion 113.90 (113.60 to 114.60): VN057619.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN057619.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN057619.D (-2022) (-)

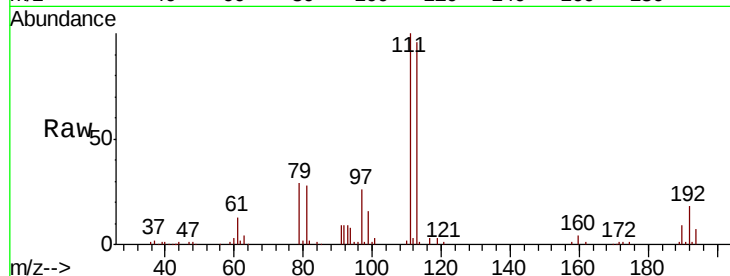




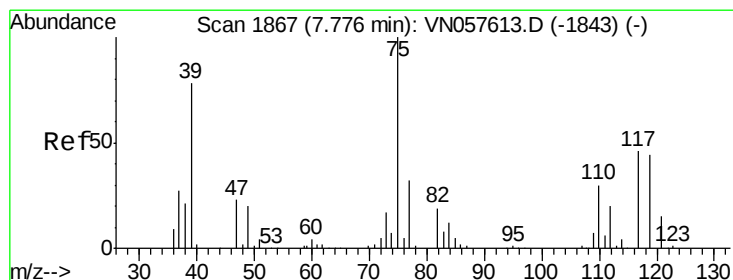
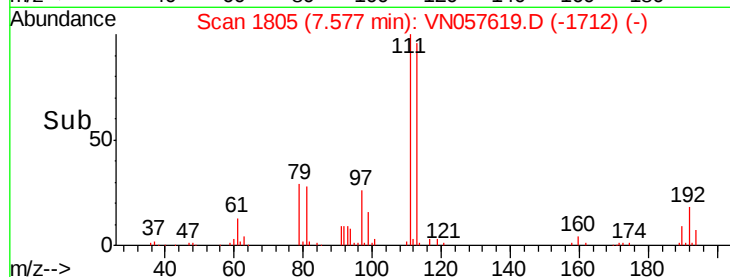
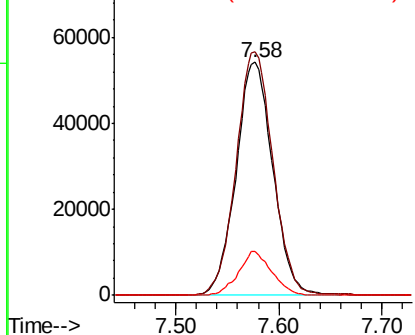
#35
 Dibromofluoromethane
 Concen: 48.958 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.3	121.9
192	17.0	13.5	20.3

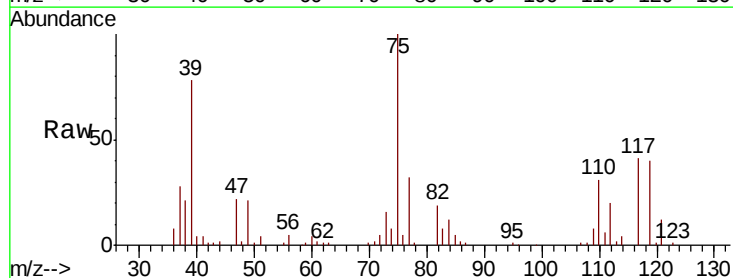


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

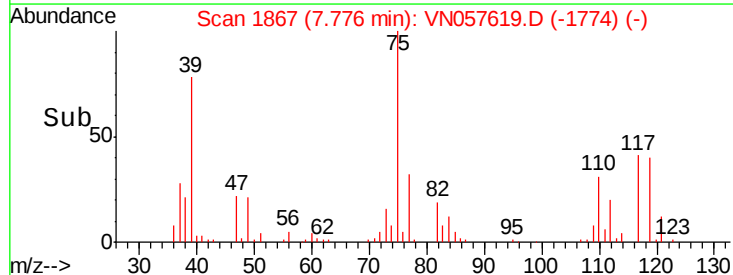
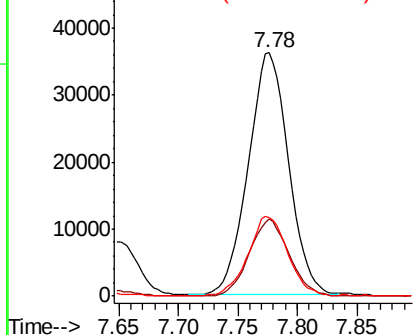


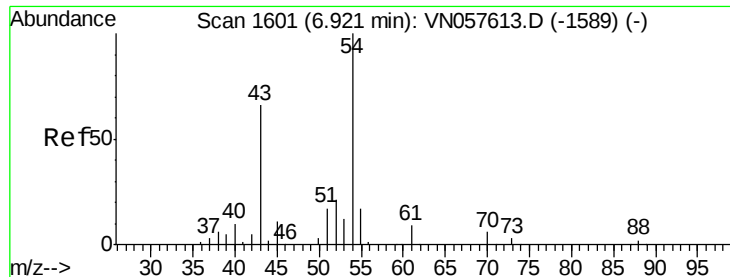
#36
 1,1-Dichloropropene
 Concen: 20.329 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.6	46.8
77	32.5	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

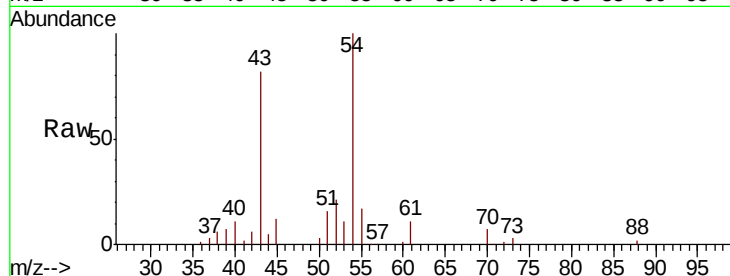




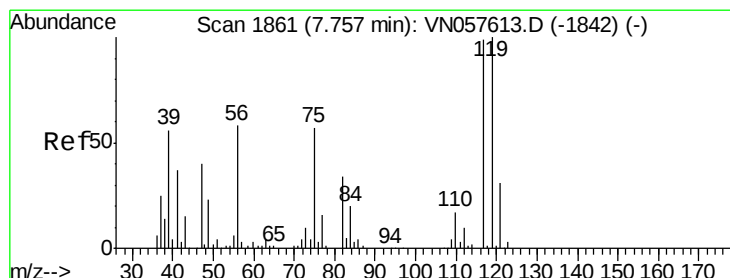
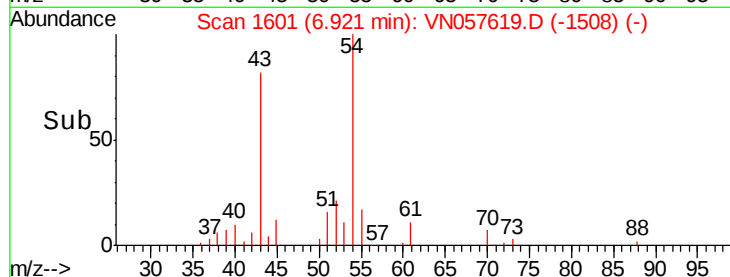
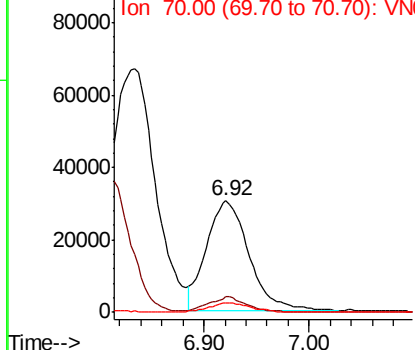
#37
Ethyl Acetate
Concen: 21.537 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 85671
Ion Ratio Lower Upper
43 100
61 13.2 10.1 15.1
70 8.5 6.8 10.2

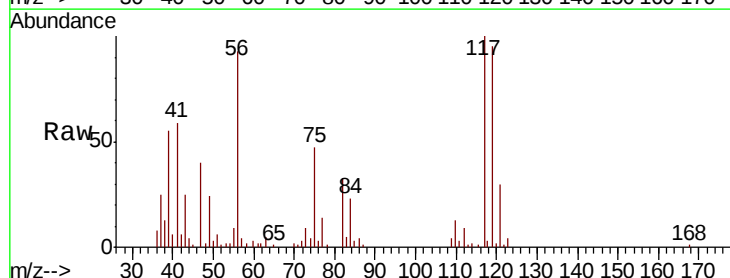


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

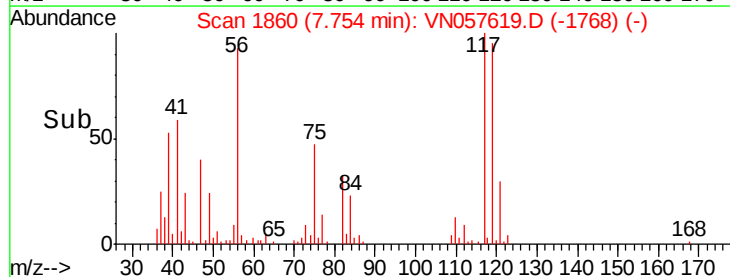
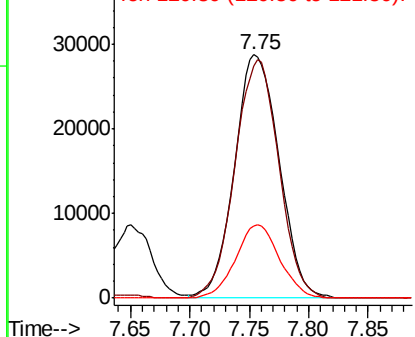


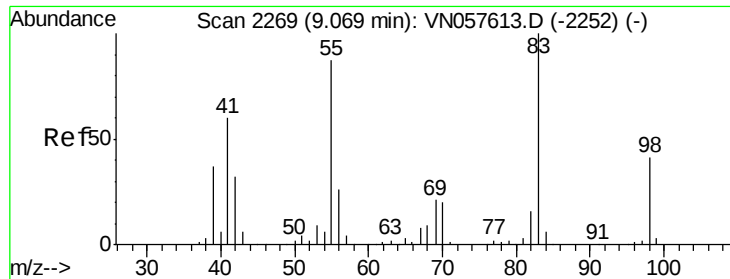
#38
Carbon Tetrachloride
Concen: 19.995 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion: 117 Resp: 74742
Ion Ratio Lower Upper
117 100
119 95.2 80.6 120.8
121 29.7 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

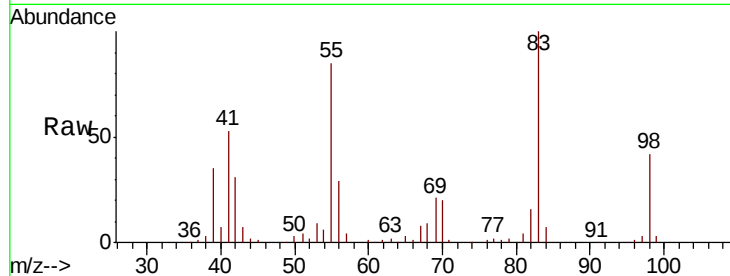




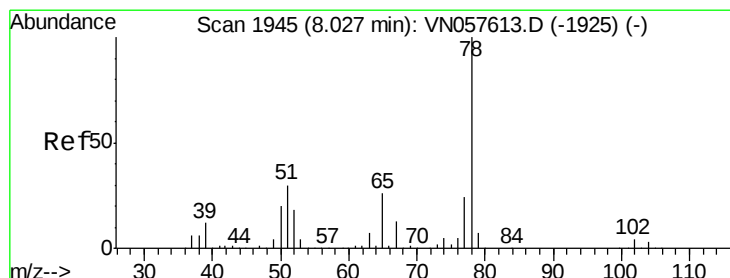
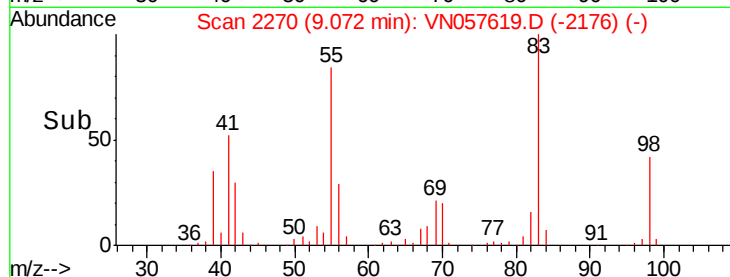
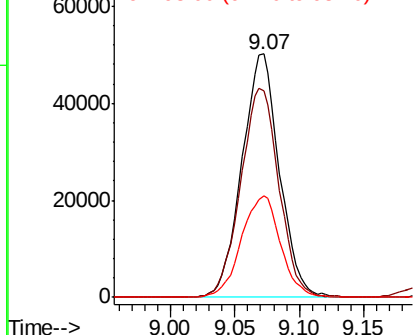
#39
Methvlcvclohexane
Concen: 20.593 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 101602
Ion Ratio Lower Upper
83 100
55 84.6 69.8 104.8
98 41.5 32.7 49.1

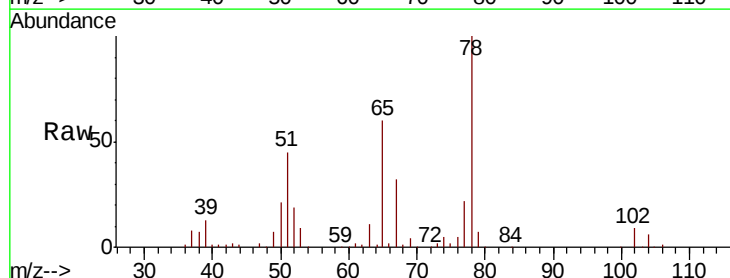


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

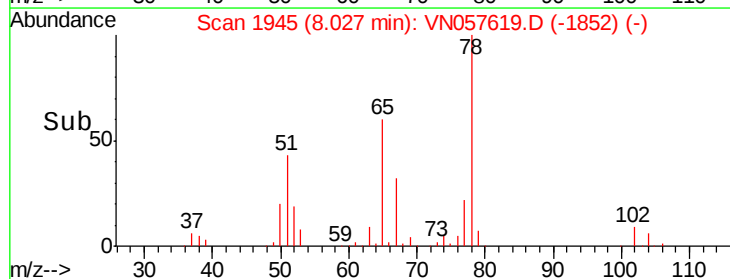
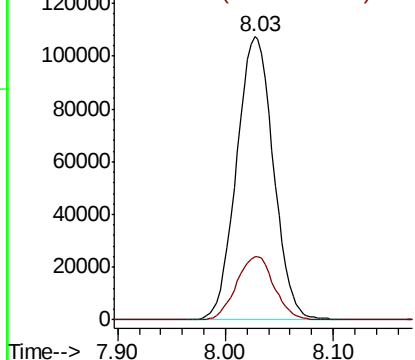


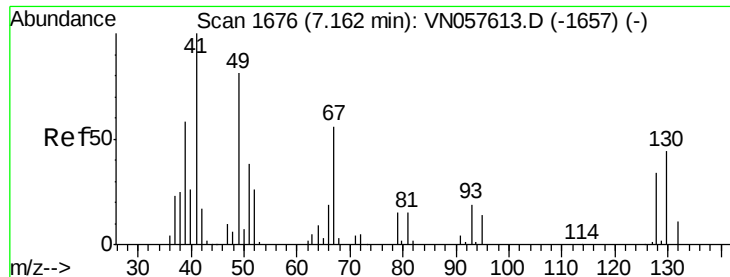
#40
Benzene
Concen: 21.015 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion: 78 Resp: 255455
Ion Ratio Lower Upper
78 100
77 22.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 15.131 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 30019

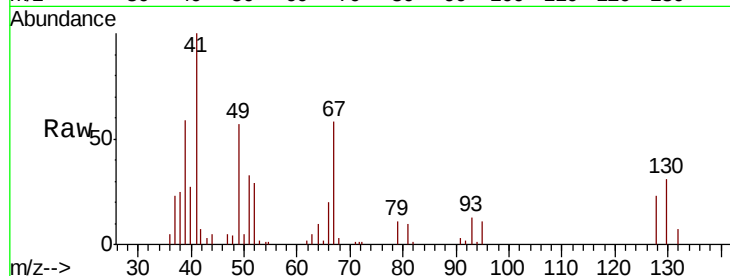
Ion Ratio Lower Upper

41 100

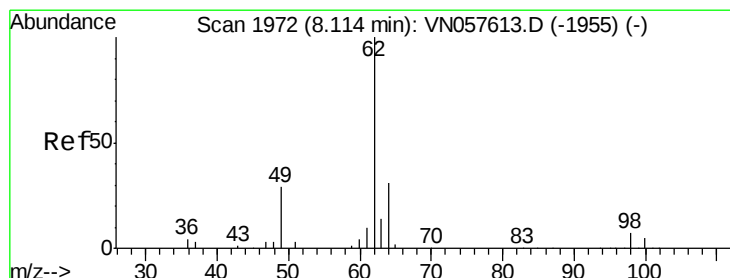
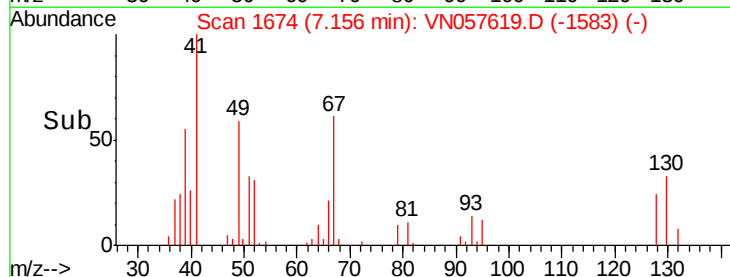
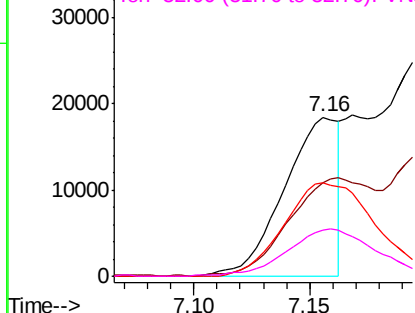
39 98.4 50.6 75.8#

67 98.9 56.9 85.3#

52 49.3 27.4 41.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 21.356 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057619.D

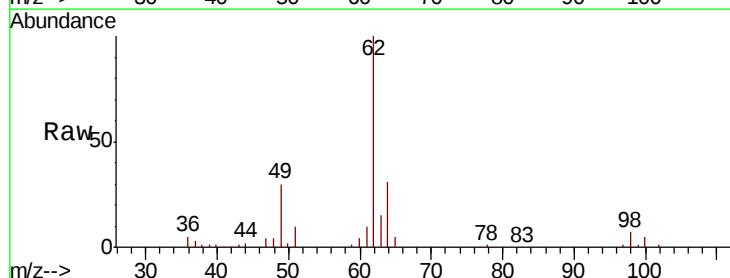
Acq: 31 Aug 2019 17:24

Tgt Ion: 62 Resp: 105441

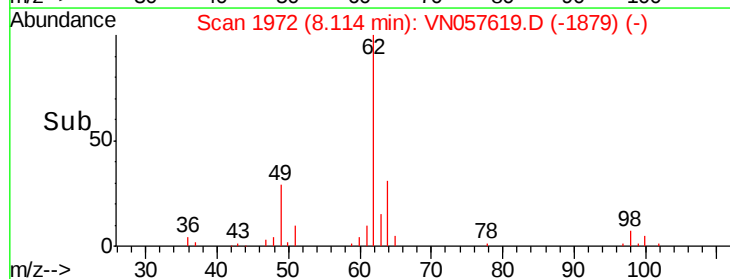
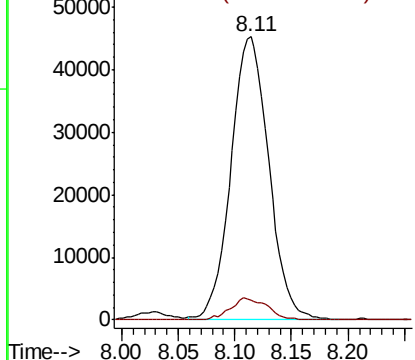
Ion Ratio Lower Upper

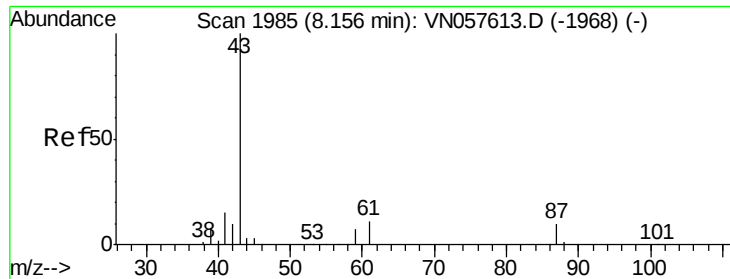
62 100

98 7.4 0.0 14.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.795 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

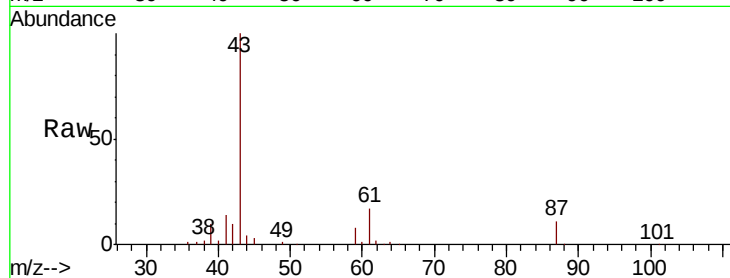
Tot Ion: 43 Resp: 148824

Ion Ratio Lower Upper

43 100

61 17.0 13.1 19.7

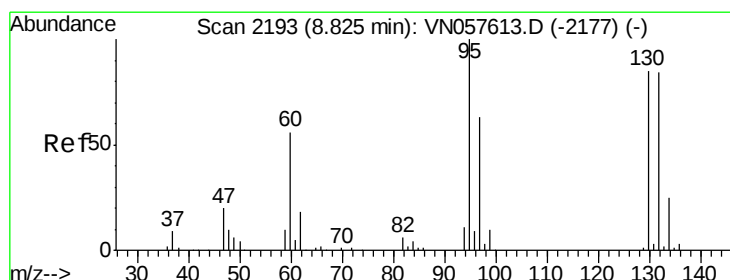
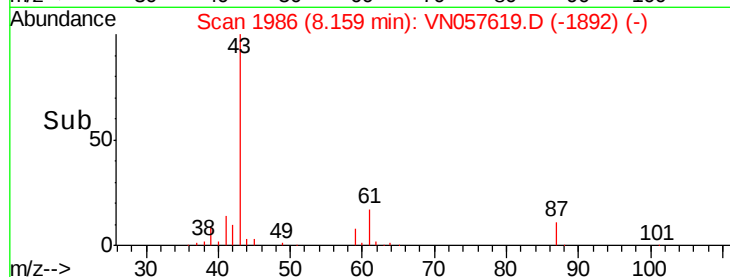
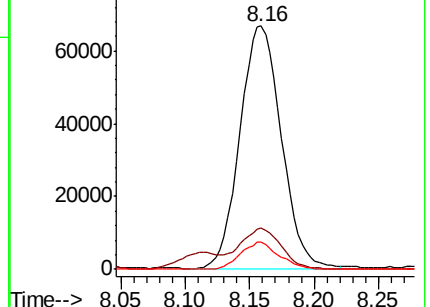
87 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN057619.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN057619.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN057619.D (-1986) (-)



#44

Trichloroethene

Concen: 20.784 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057619.D

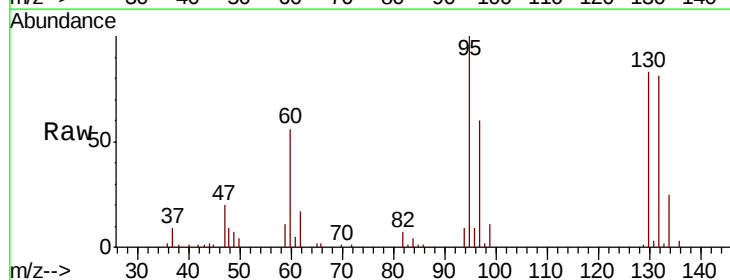
Acq: 31 Aug 2019 17:24

Tgt Ion:130 Resp: 57313

Ion Ratio Lower Upper

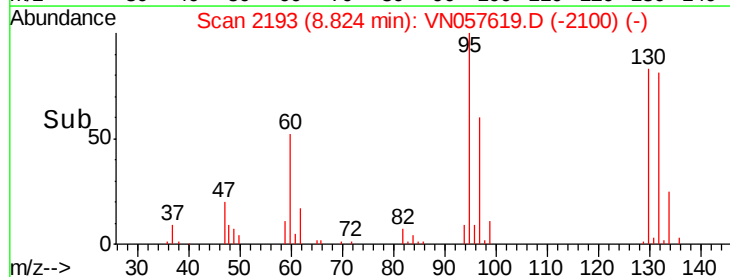
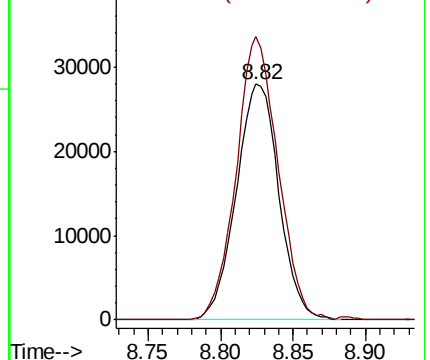
130 100

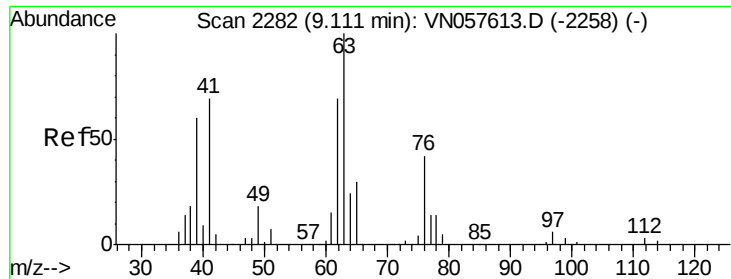
95 120.0 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057619.D (-2193) (-)

Ion 94.90 (94.60 to 95.60): VN057619.D (-2193) (-)

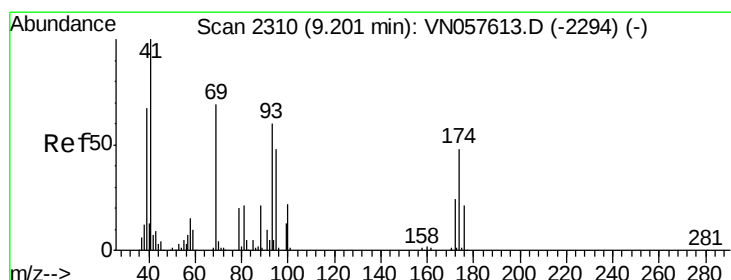
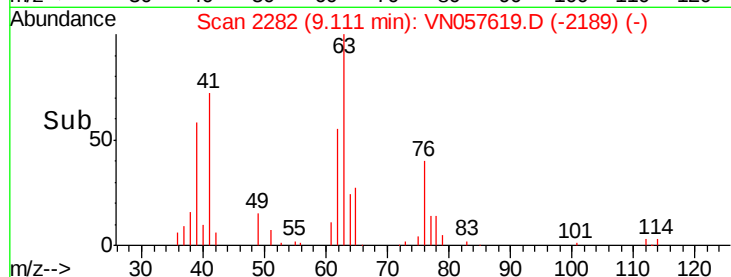
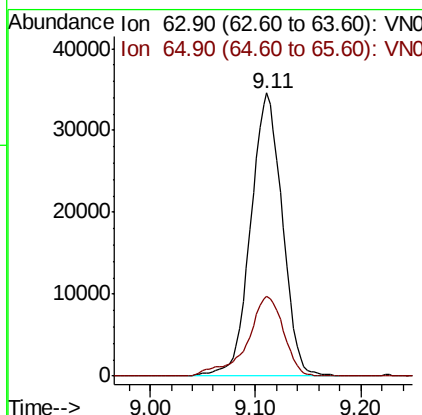
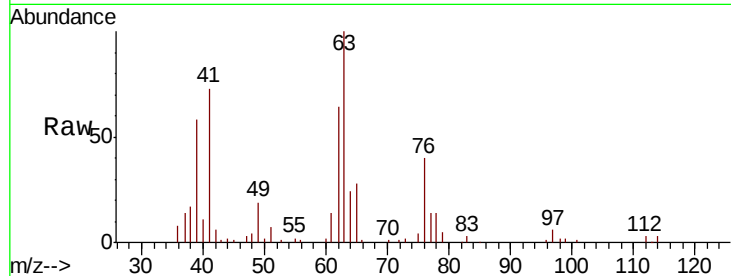




#45
 1,2-Dichloropropane
 Concen: 21.366 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

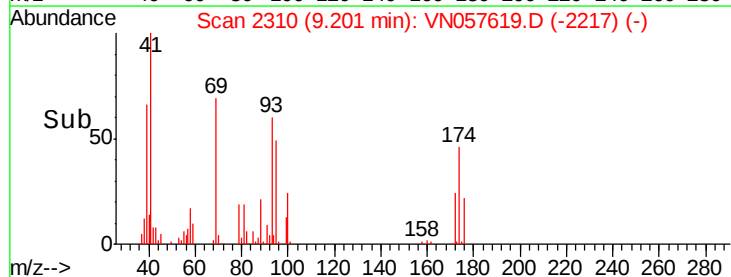
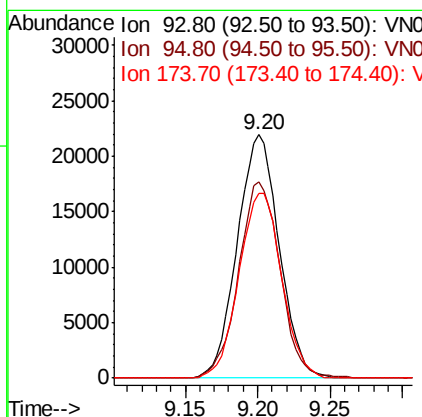
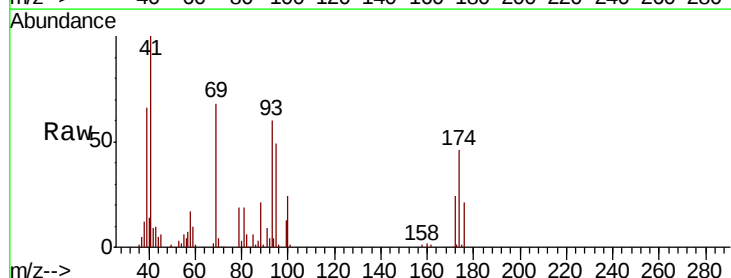
Instrument :
 MSVOA_N
 ClientSampleId :

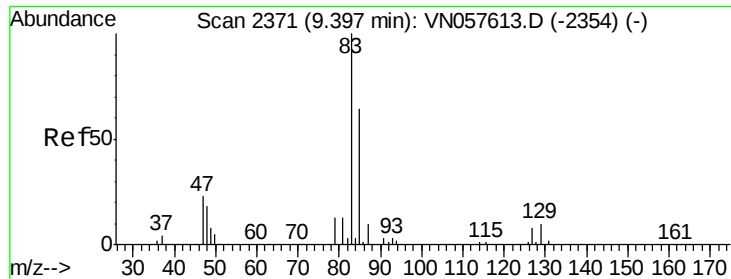
Tot Ion: 63 Resp: 72346
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.4 36.6



#46
 Dibromomethane
 Concen: 21.028 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 93 Resp: 44084
 Ion Ratio Lower Upper
 93 100
 95 80.0 65.8 98.6
 174 77.3 64.2 96.2

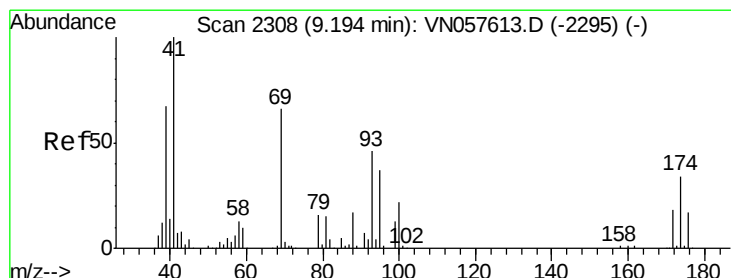
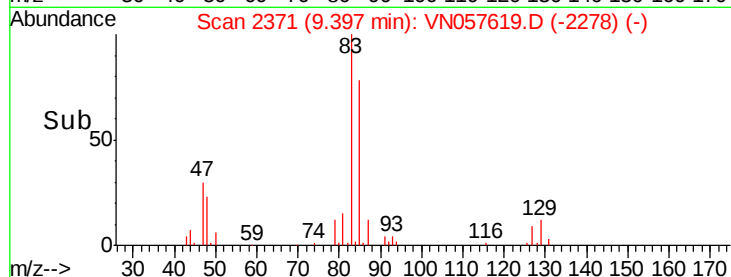
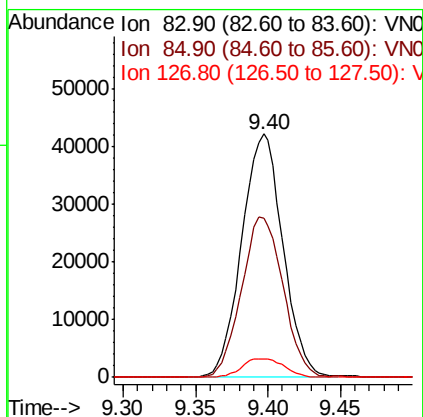
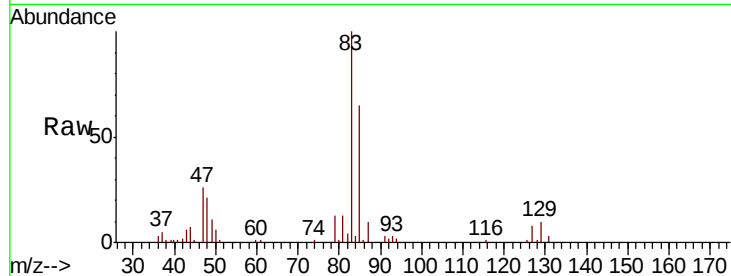




#47
Bromodichloromethane
Concen: 19.568 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

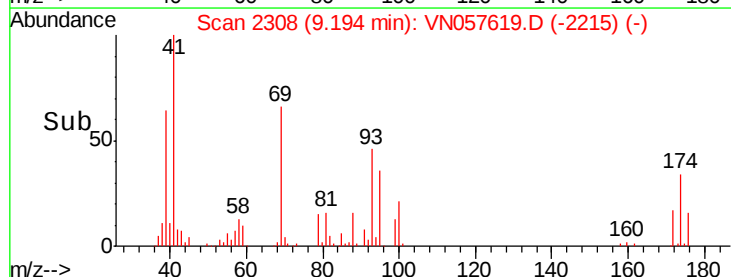
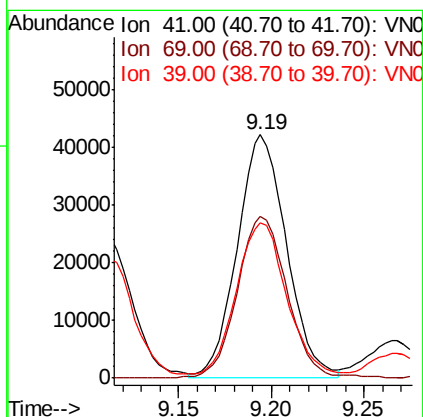
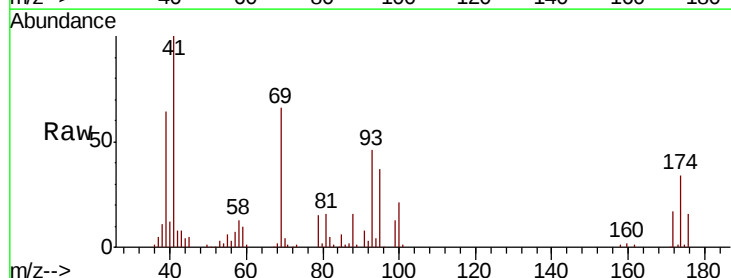
Instrument :
MSVOA_N
ClientSampleId :

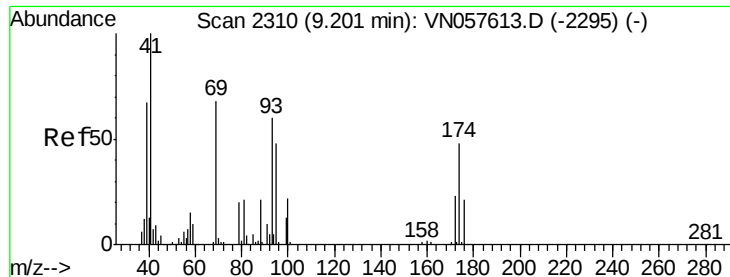
Tot Ion: 83 Resp: 83346
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.0
127 7.5 6.1 9.1



#48
Methyl methacrylate
Concen: 21.261 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion: 41 Resp: 77686
Ion Ratio Lower Upper
41 100
69 67.7 55.1 82.7
39 65.9 55.4 83.2





#49

1,4-Dioxane

Concen: 391.757 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

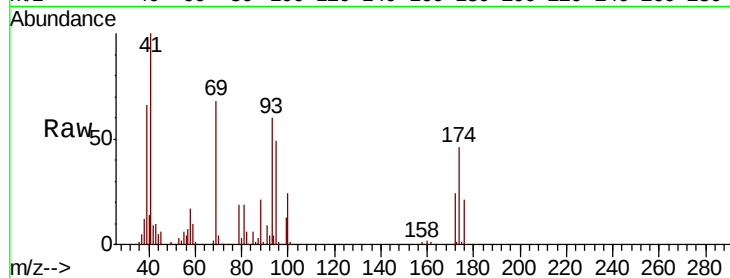
Tot Ion: 88 Resp: 16762

Ion Ratio Lower Upper

88 100

43 41.7 35.0 52.4

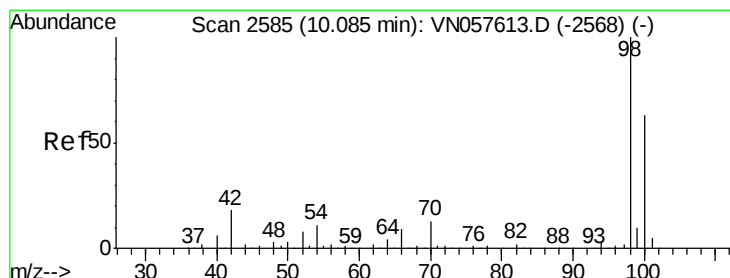
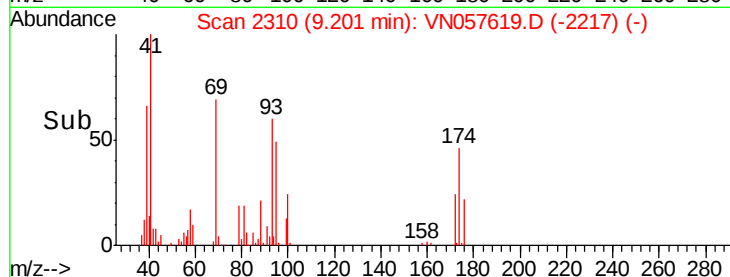
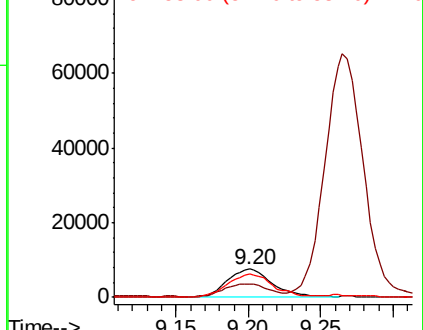
58 81.3 61.6 92.4



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: 51.441 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057619.D

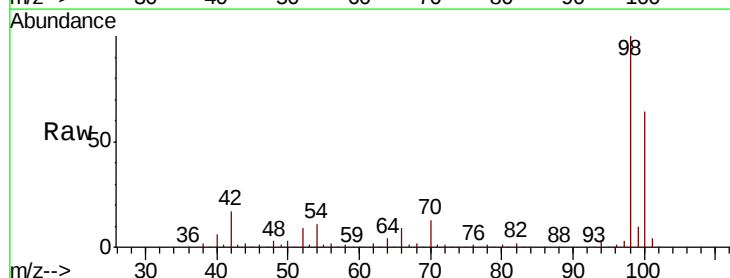
Acq: 31 Aug 2019 17:24

Tgt Ion: 98 Resp: 543242

Ion Ratio Lower Upper

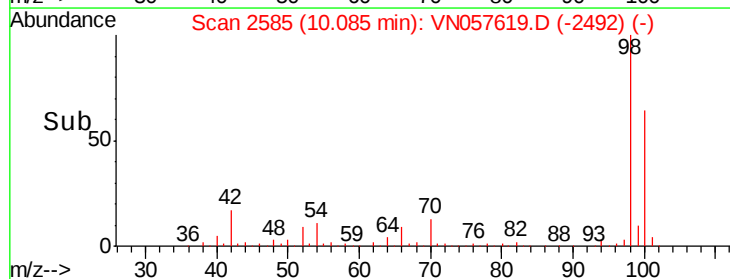
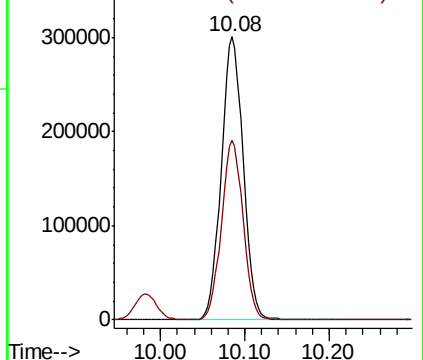
98 100

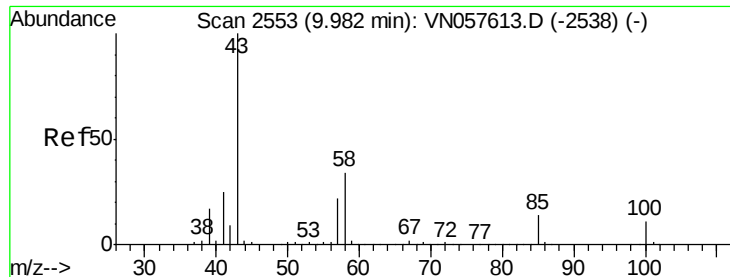
100 62.3 49.8 74.8



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: 108.937 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

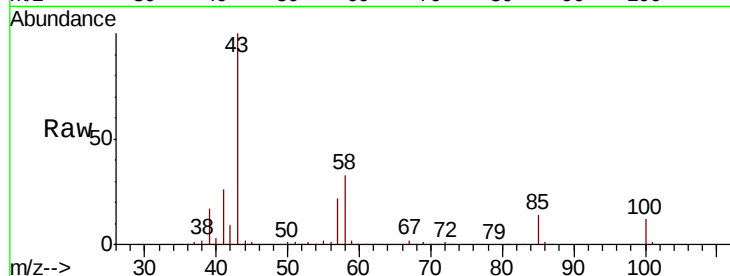
ClientSampleId :

Tot Ion: 43 Resp: 446842

Ion Ratio Lower Upper

43 100

58 33.8 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

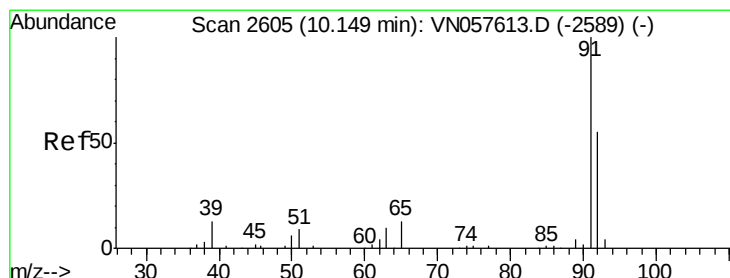
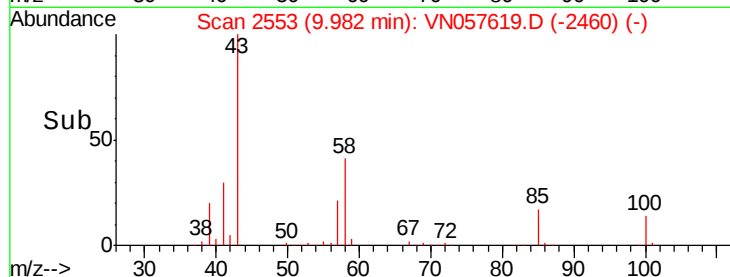
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.177 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057619.D

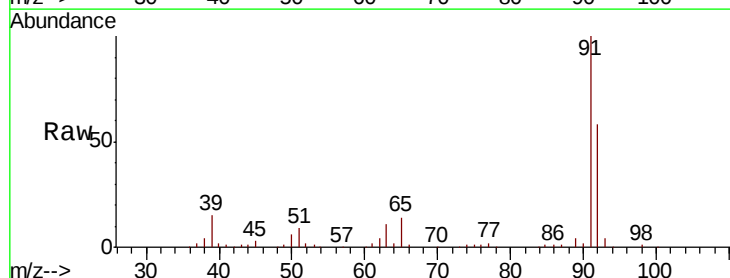
Acq: 31 Aug 2019 17:24

Tgt Ion: 92 Resp: 152147

Ion Ratio Lower Upper

92 100

91 177.6 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

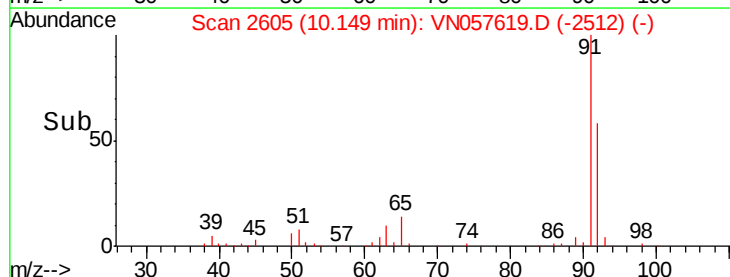
150000

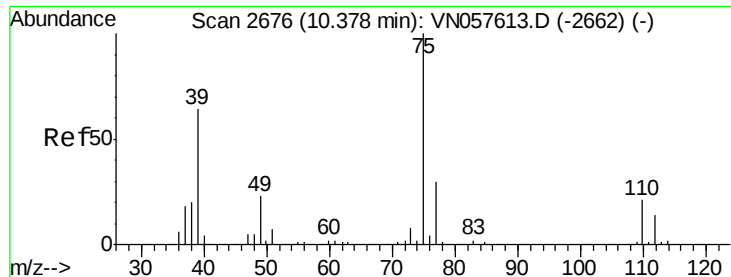
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.835 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

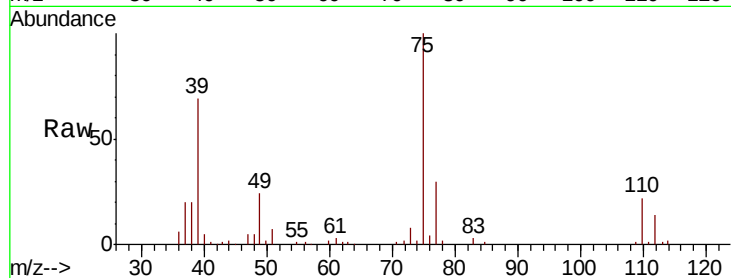
ClientSampleId :

Tot Ion: 75 Resp: 84501

Ion Ratio Lower Upper

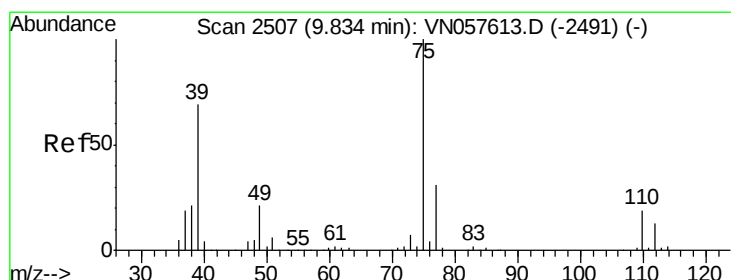
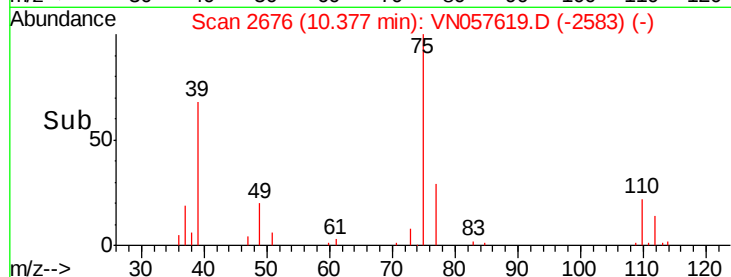
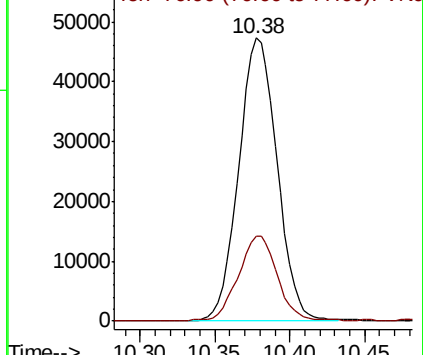
75 100

77 29.7 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.764 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

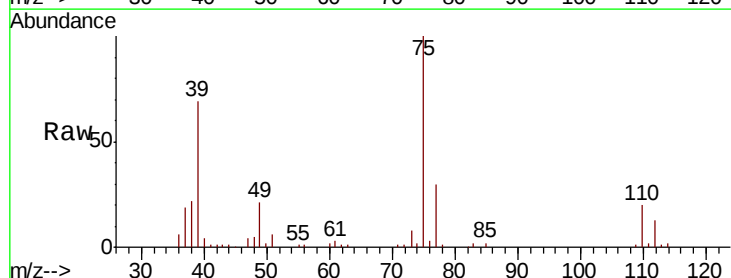
Tgt Ion: 75 Resp: 97355

Ion Ratio Lower Upper

75 100

77 29.8 24.8 37.2

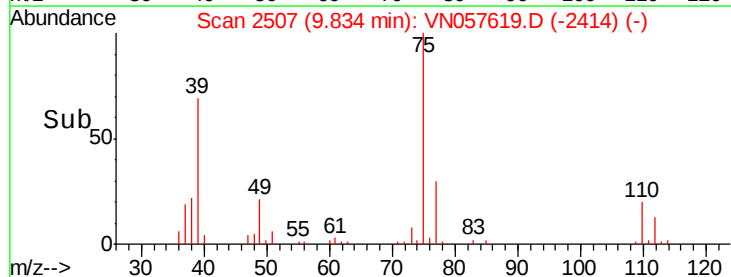
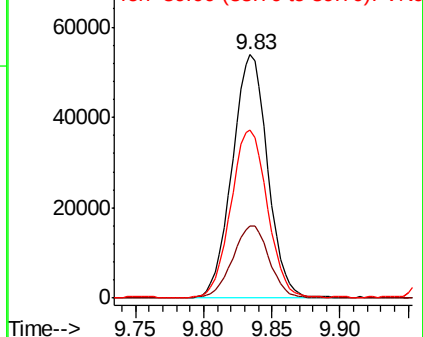
39 68.5 55.0 82.4

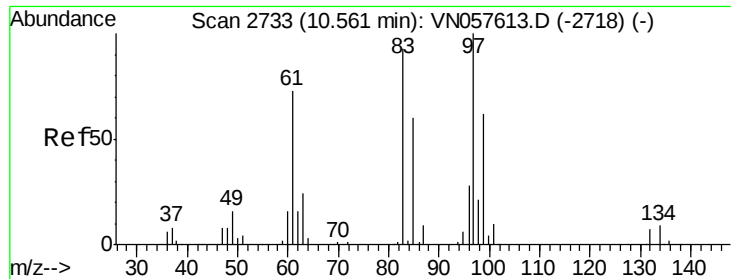


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

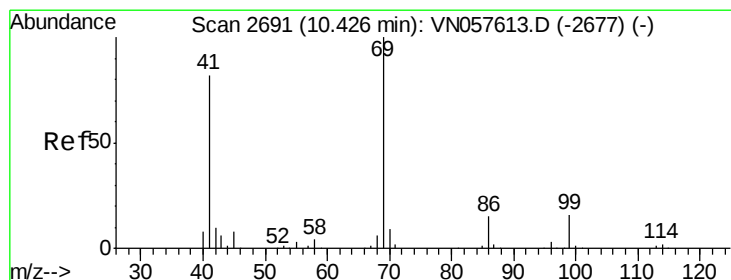
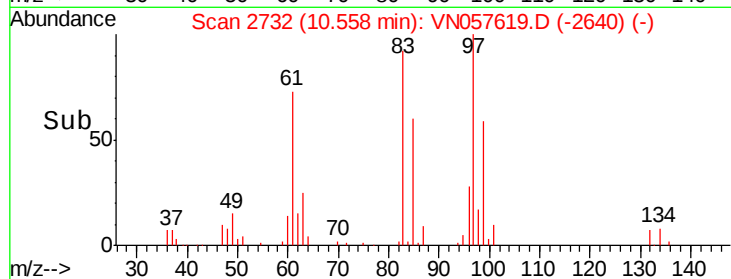
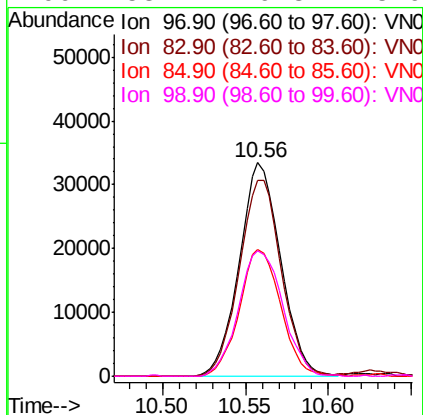
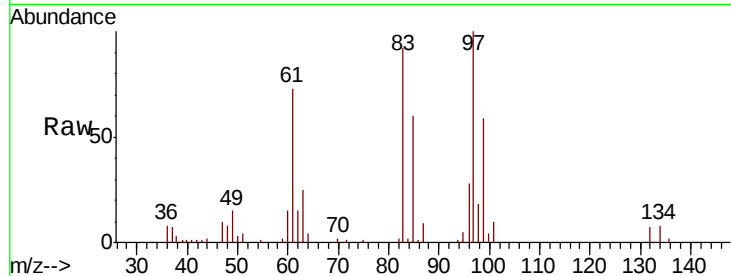




#55
 1,1,2-Trichloroethane
 Concen: 21.280 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

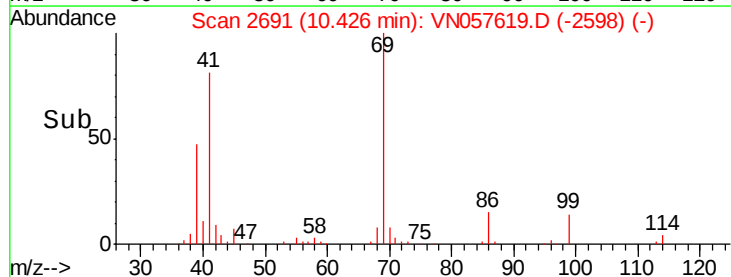
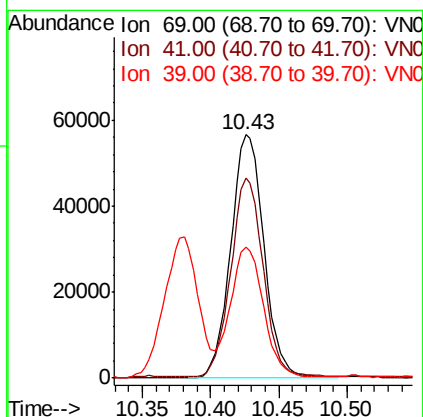
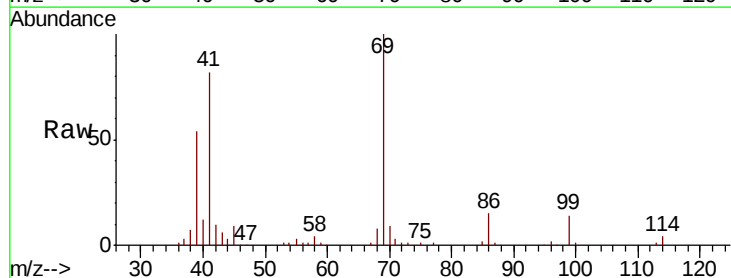
Instrument :
 MSVOA_N
 ClientSampleId :

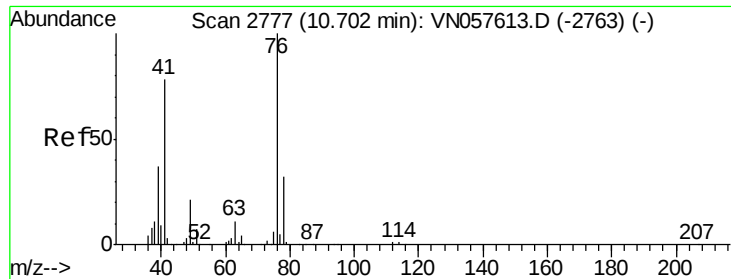
Tot Ion: 97 Resp: 58007
 Ion Ratio Lower Upper
 97 100
 83 91.6 74.2 111.2
 85 59.6 47.8 71.8
 99 58.7 49.3 73.9



#56
 Ethyl methacrylate
 Concen: 21.135 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 69 Resp: 96140
 Ion Ratio Lower Upper
 69 100
 41 79.2 65.8 98.6
 39 52.2 43.8 65.8

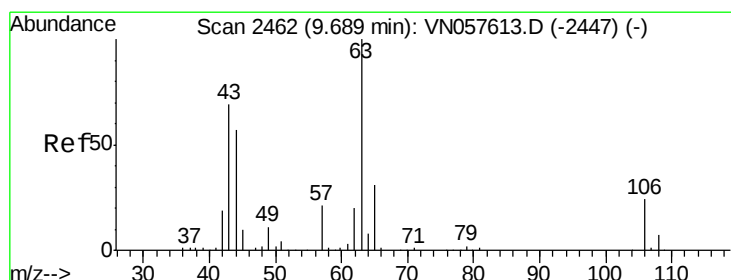
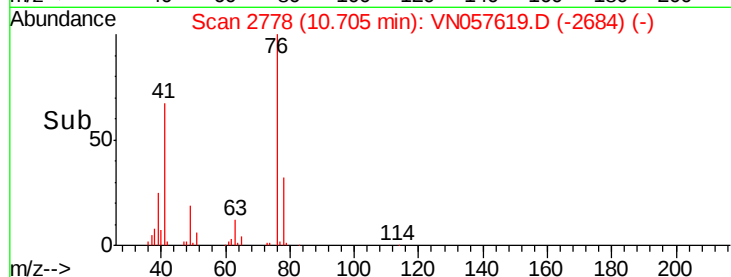
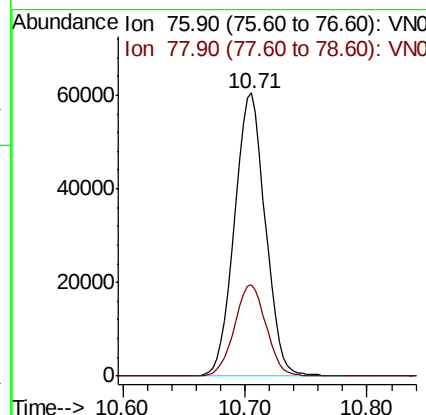
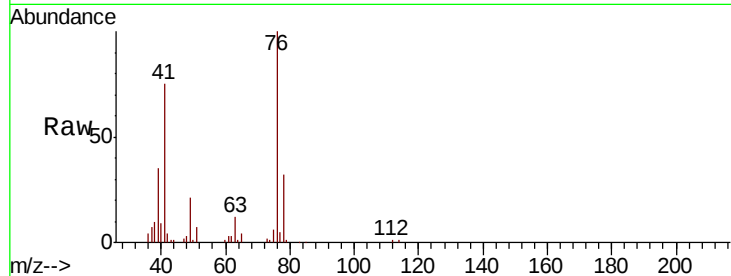




#57
 1,3-Dichloropropane
 Concen: 21.300 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

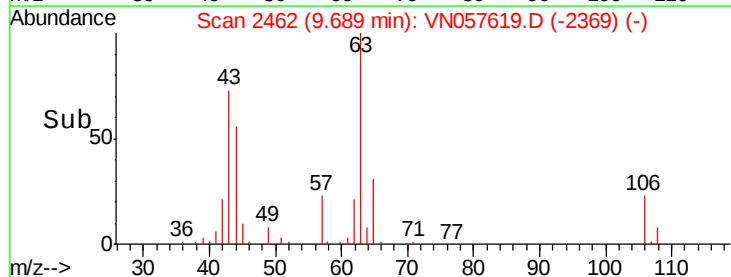
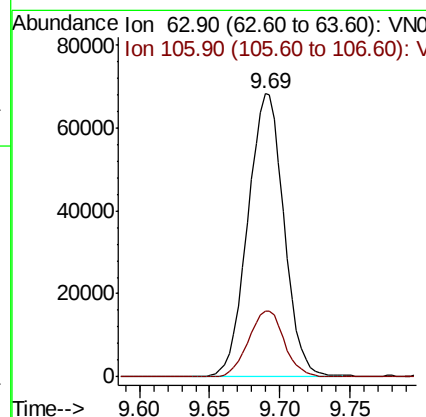
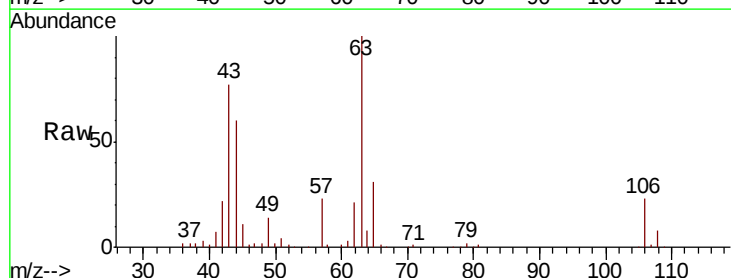
Instrument :
 MSVOA_N
 ClientSampled :

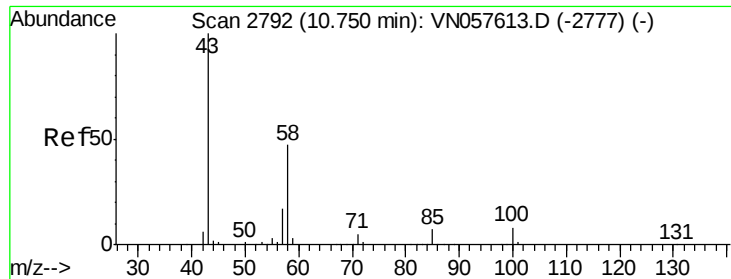
Tot Ion: 76 Resp: 106524
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.106 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 63 Resp: 122580
 Ion Ratio Lower Upper
 63 100
 106 23.1 18.3 27.5

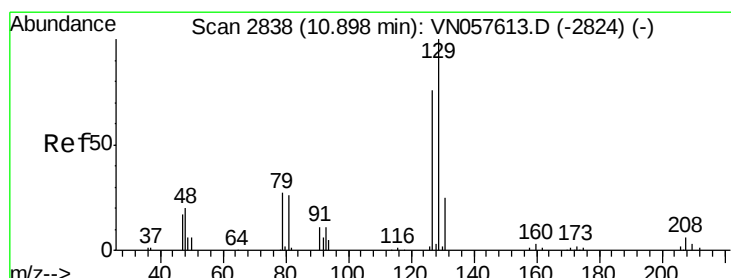
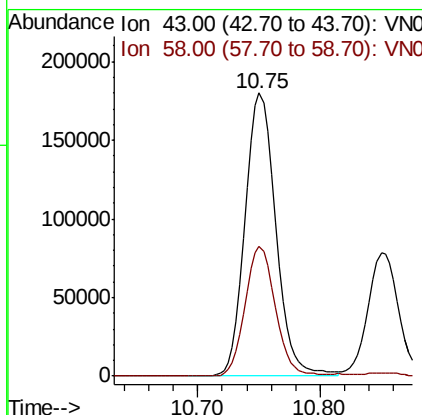
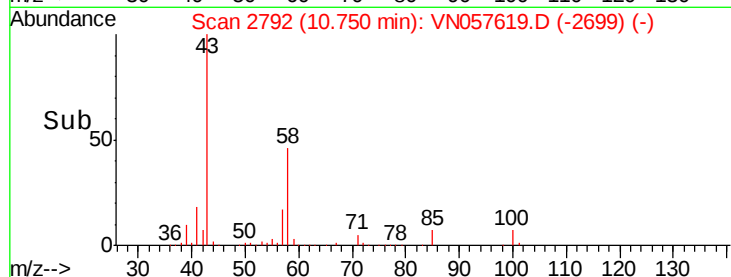
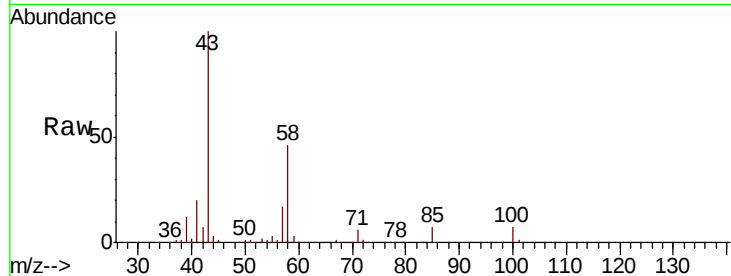




#59
2-Hexanone
Concen: 104.014 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

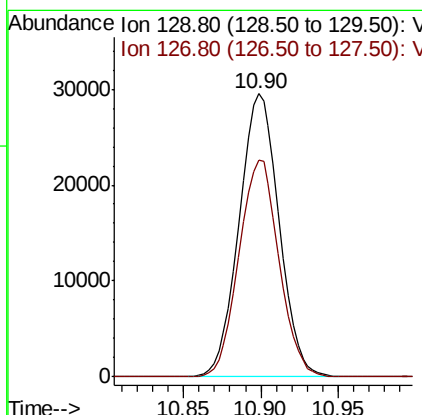
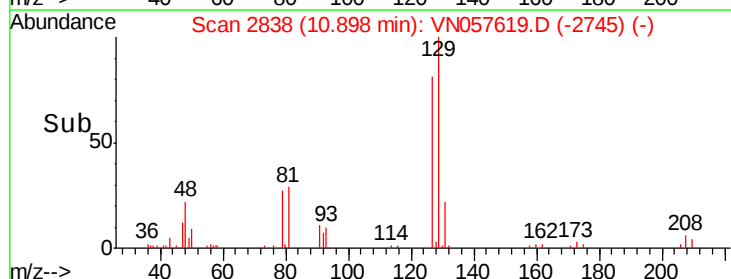
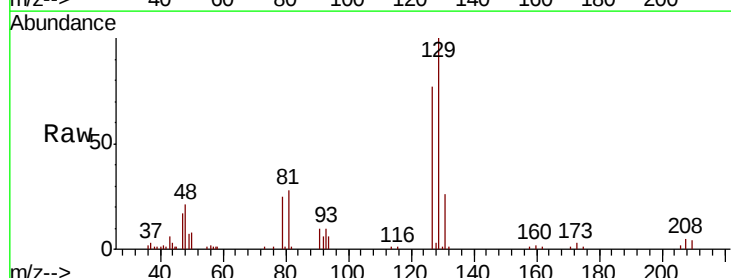
Instrument :
MSVOA_N
ClientSampleId :

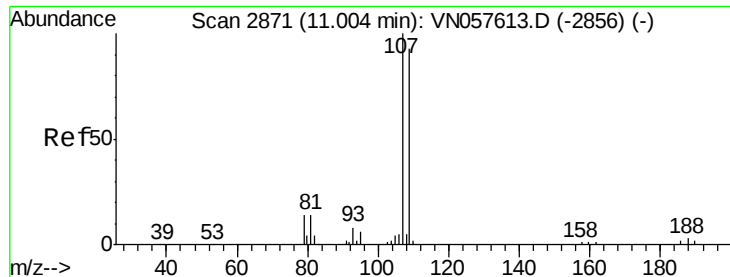
Tot Ion: 43 Resp: 313312
Ion Ratio Lower Upper
43 100
58 44.8 23.5 70.5



#60
Dibromochloromethane
Concen: 20.051 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion:129 Resp: 53089
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.504 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

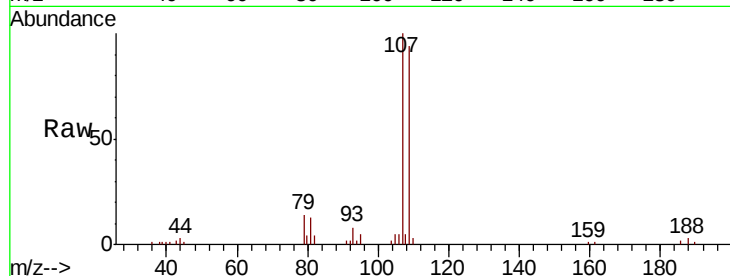
ClientSampleId :

Tot Ion: 107 Resp: 56278

Ion Ratio Lower Upper

107 100

109 95.6 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

30000

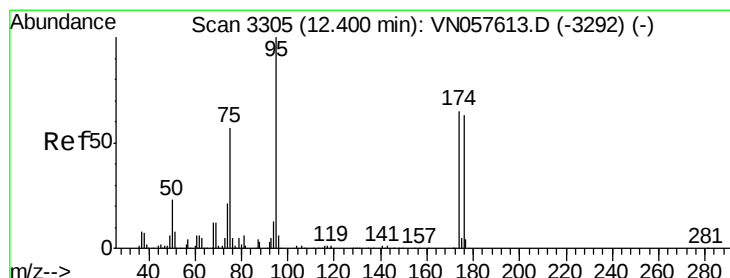
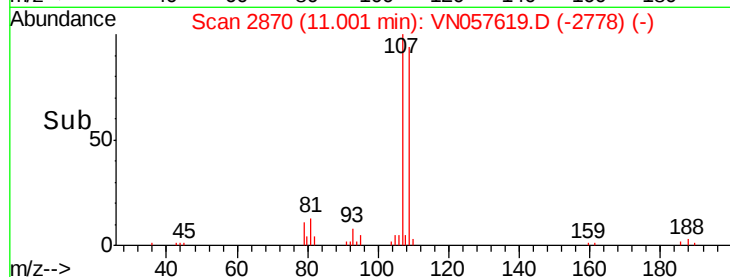
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 46.733 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

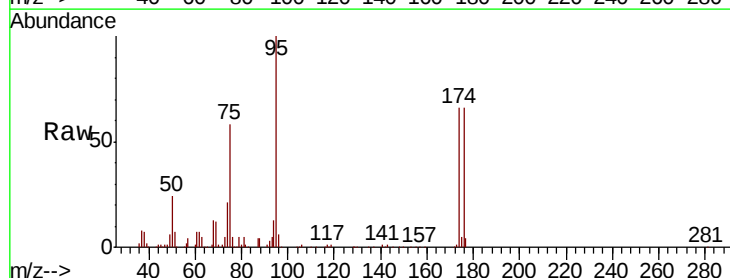
Tgt Ion: 95 Resp: 187666

Ion Ratio Lower Upper

95 100

174 68.4 0.0 134.8

176 65.9 0.0 131.6



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

12.40

150000

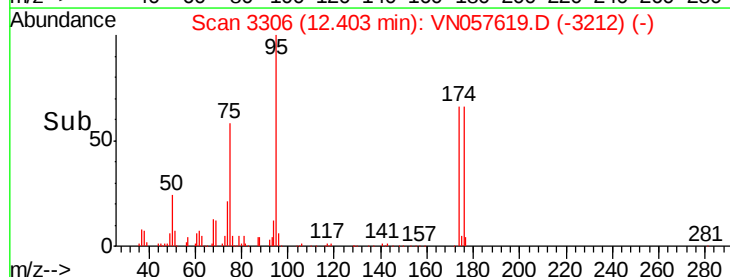
100000

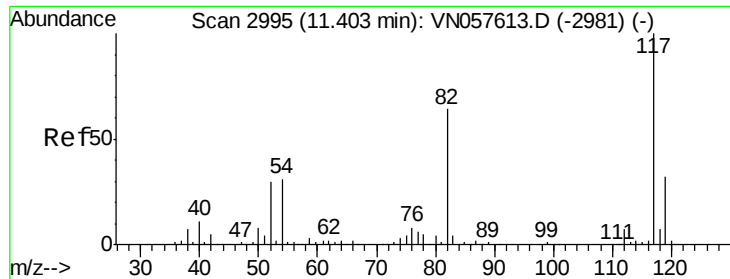
50000

0

Time-->

12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

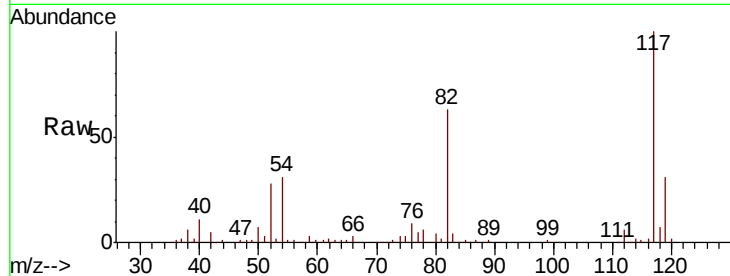
Tot Ion:117 Resp: 292406

Ion Ratio Lower Upper

117 100

82 63.5 51.6 77.4

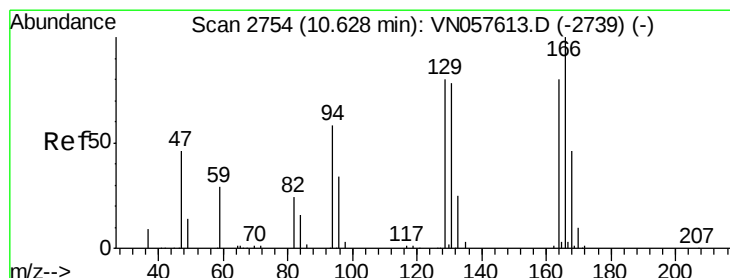
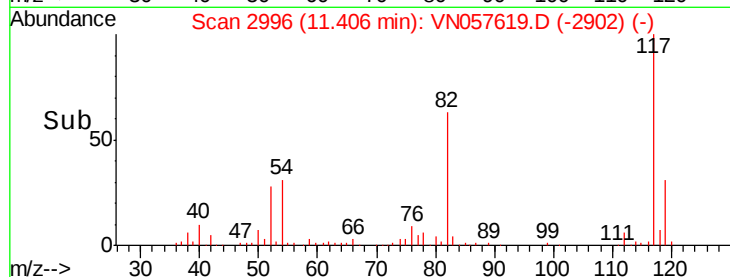
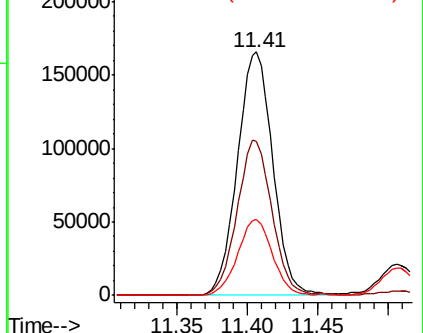
119 31.3 25.8 38.6



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: 20.607 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Tgt Ion:164 Resp: 52174

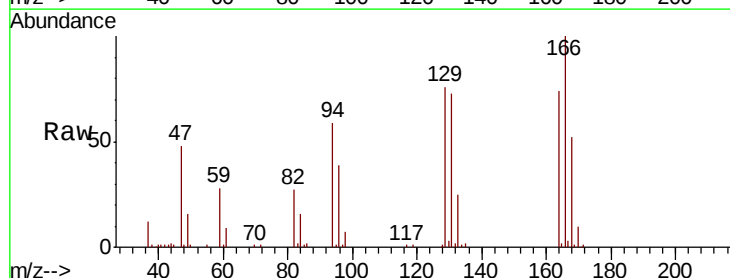
Ion Ratio Lower Upper

164 100

166 134.8 100.6 151.0

129 102.3 80.4 120.6

131 98.8 78.6 118.0

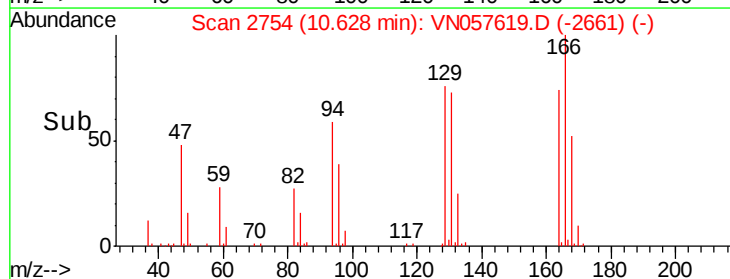
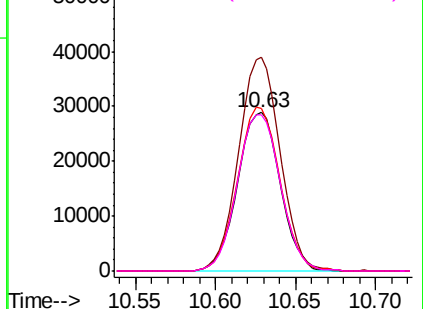


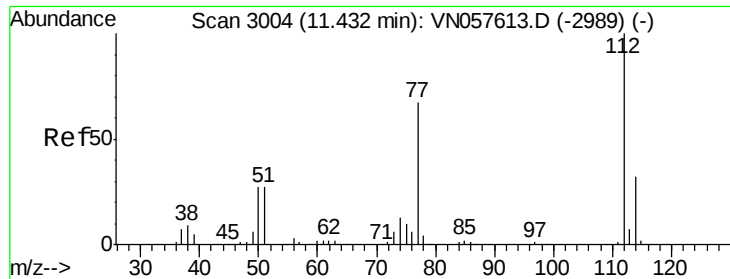
Abundance Ion 163.80 (163.50 to 164.50): V

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

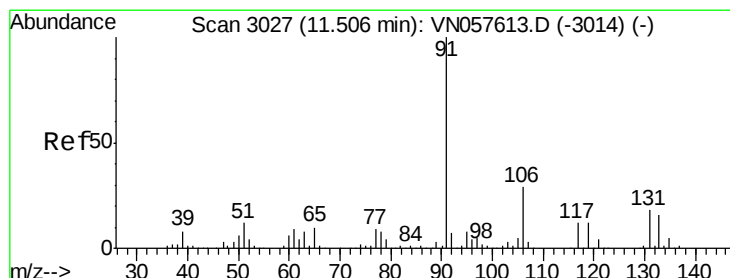
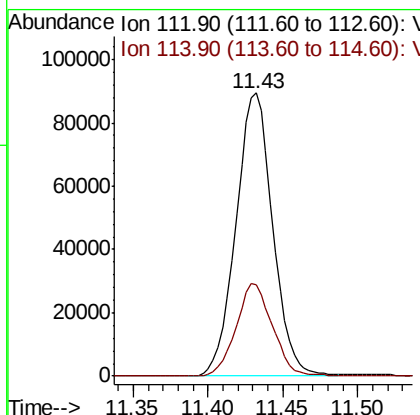
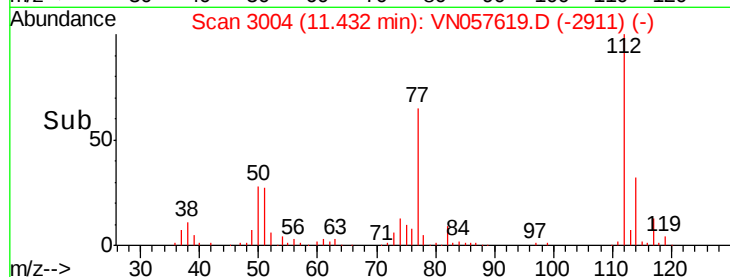
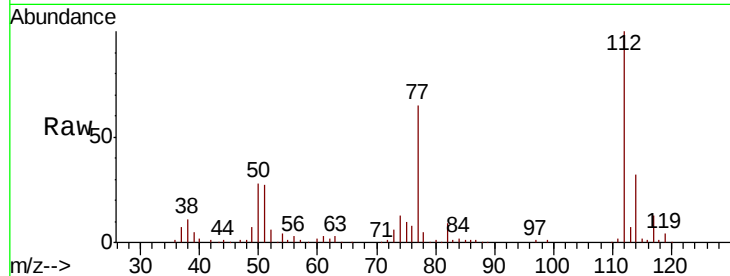




#65
Chlorobenzene
Concen: 20.897 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

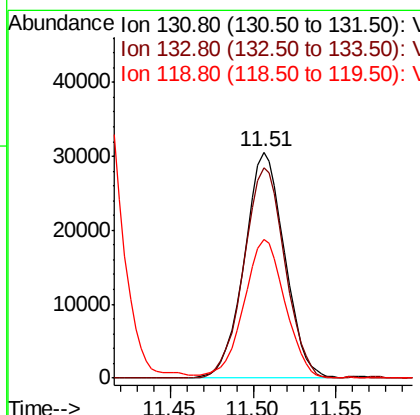
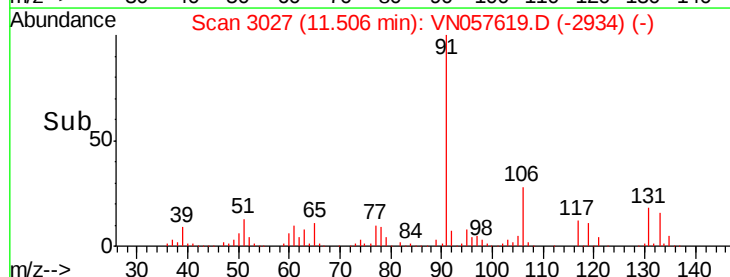
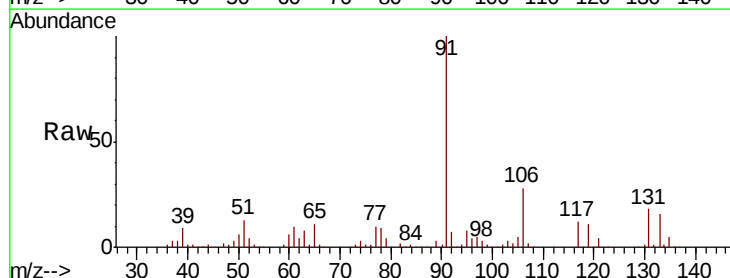
Instrument :
MSVOA_N
ClientSampleId :

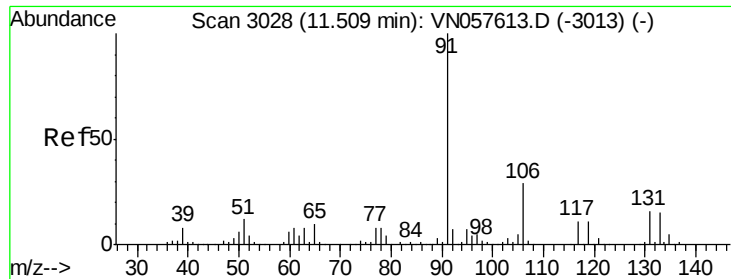
Tot Ion:112 Resp: 153113
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.165 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion:131 Resp: 51531
Ion Ratio Lower Upper
131 100
133 95.2 47.8 143.4
119 62.8 33.9 101.6

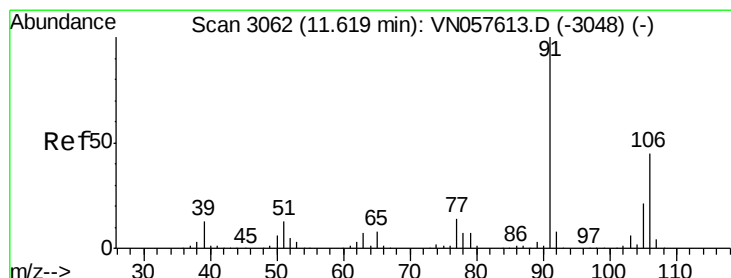
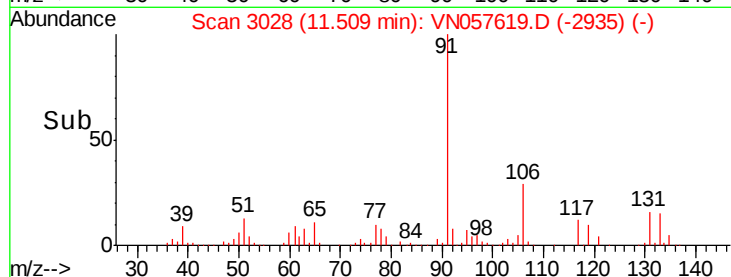
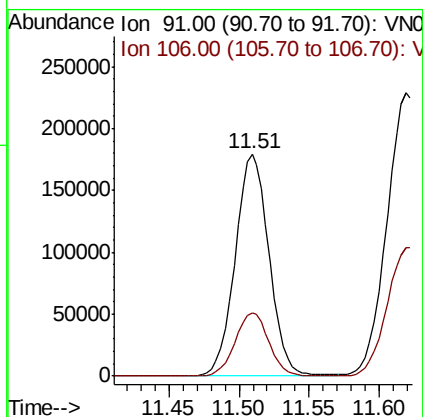
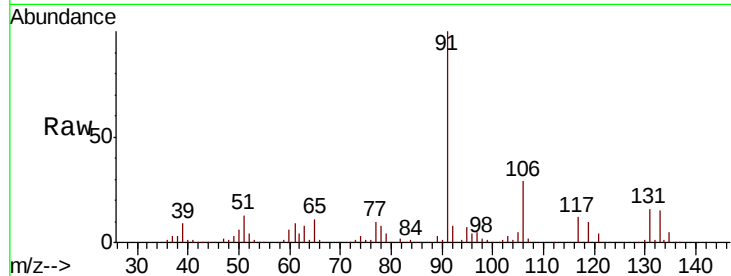




#67
Ethyl Benzene
Concen: 21.219 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

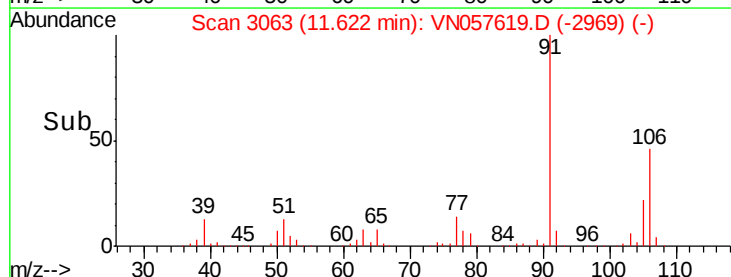
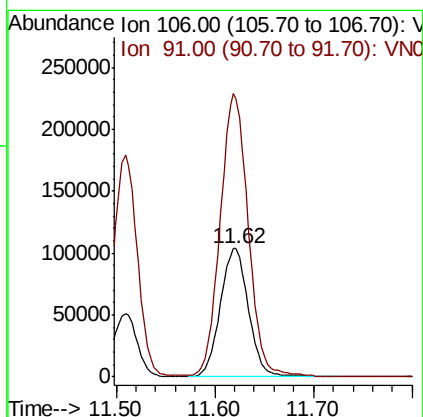
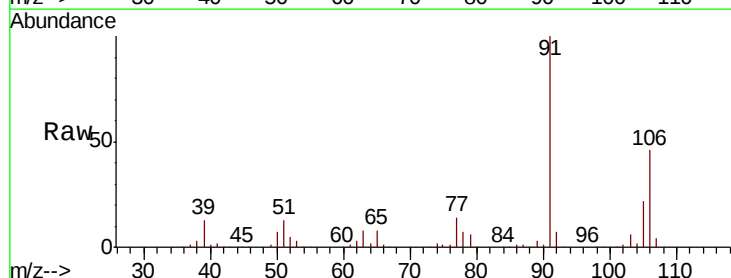
Instrument :
MSVOA_N
ClientSampled :

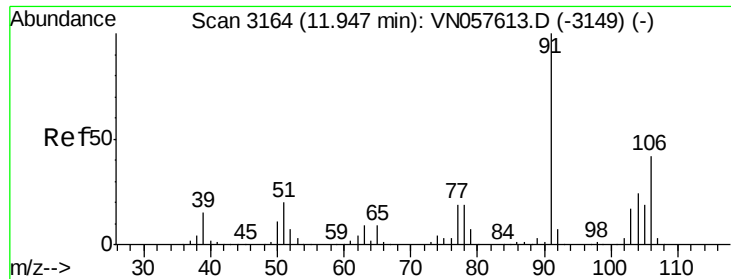
Tot Ion: 91 Resp: 302085
Ion Ratio Lower Upper
91 100
106 28.7 22.9 34.3



#68
m/p-Xylenes
Concen: 41.615 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion:106 Resp: 208717
Ion Ratio Lower Upper
106 100
91 219.1 176.2 264.2

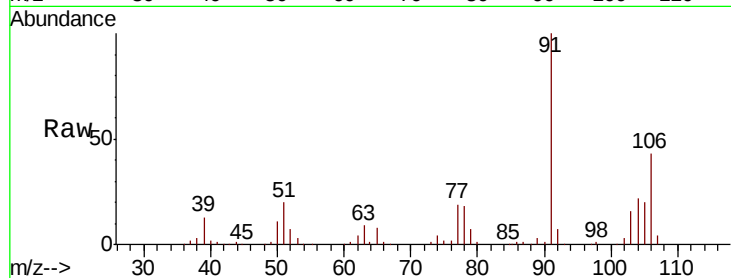




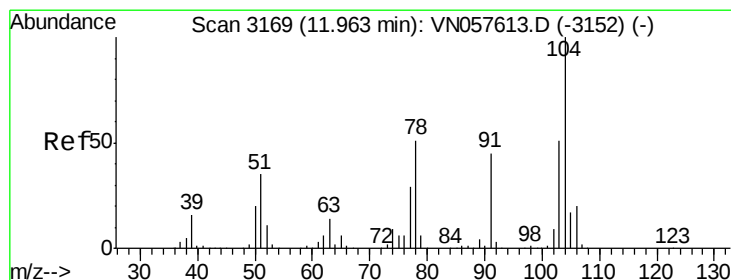
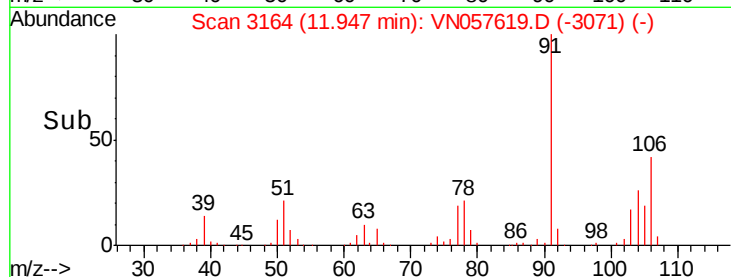
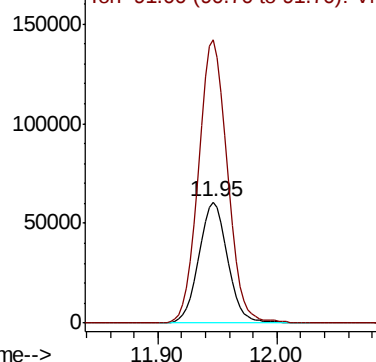
#69
o-Xylene
Concen: 21.065 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 102389
Ion Ratio Lower Upper
106 100
91 234.5 117.3 351.8

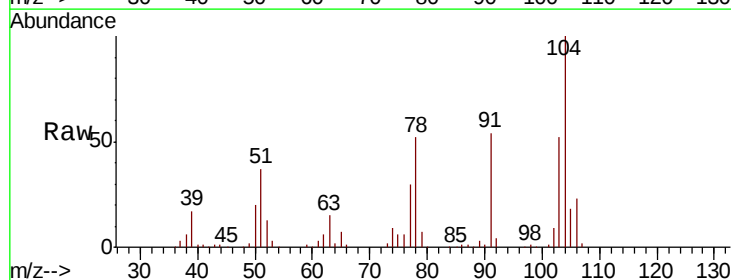


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

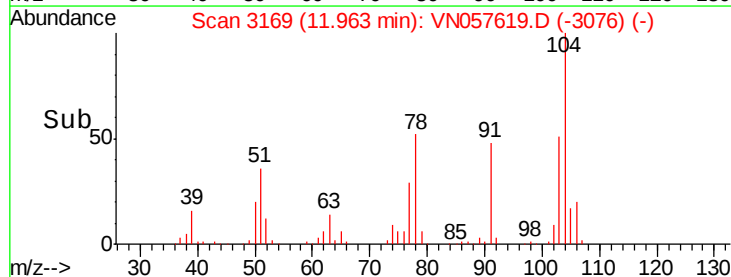
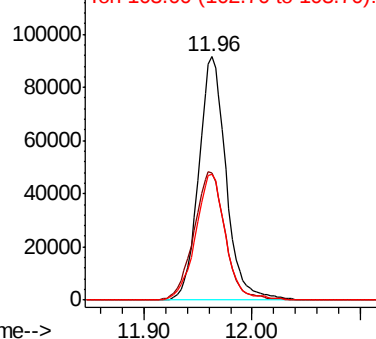


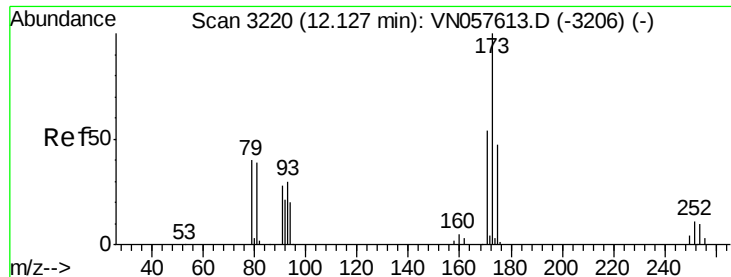
#70
Styrene
Concen: 20.207 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion:104 Resp: 162567
Ion Ratio Lower Upper
104 100
78 59.8 46.6 70.0
103 56.2 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

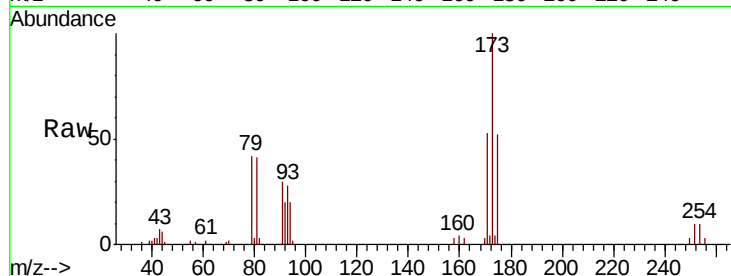




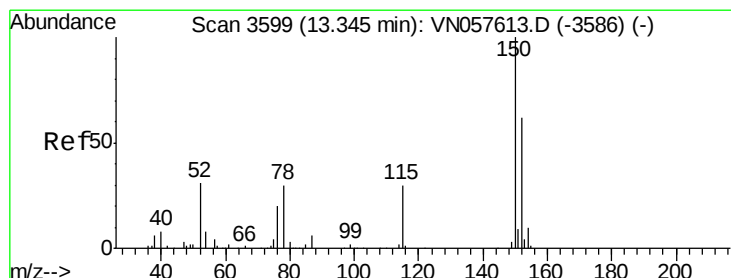
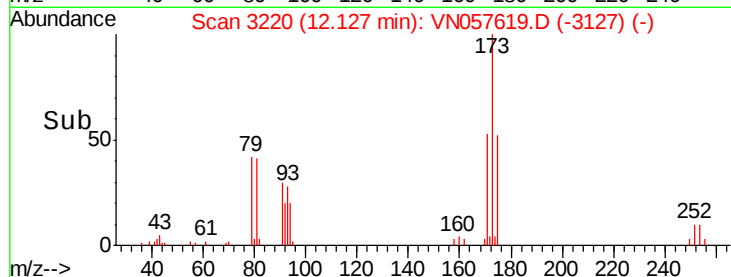
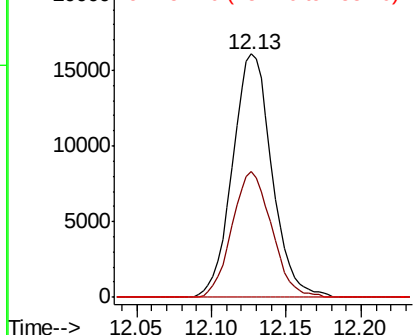
#71
Bromoform
Concen: 19.796 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 29449
Ion Ratio Lower Upper
173 100
175 51.9 24.4 73.4
254 0.0 0.0 0.0

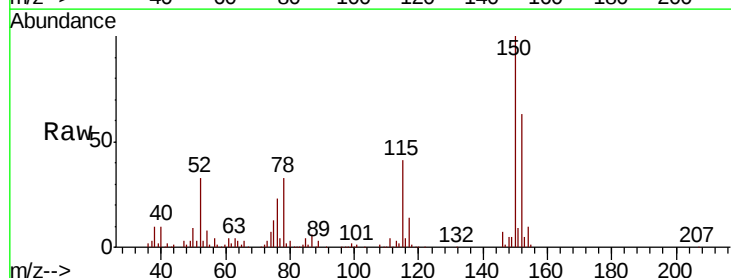


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

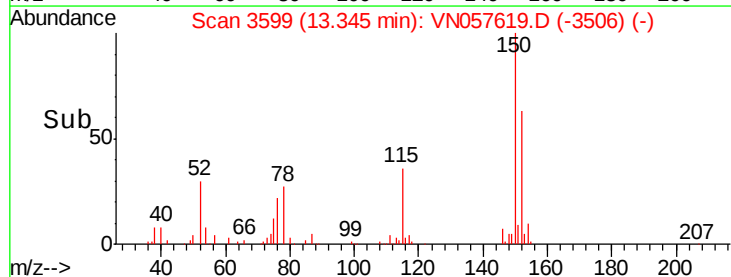
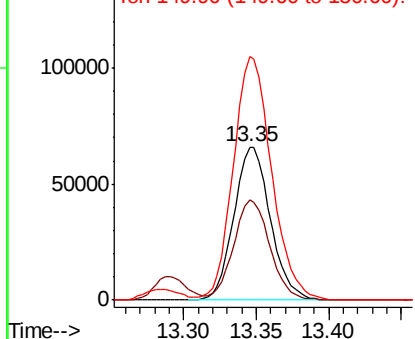


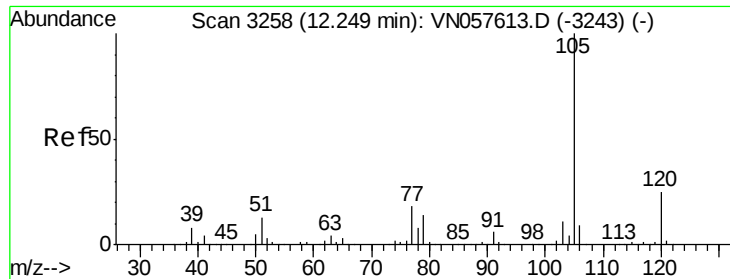
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion:152 Resp: 115454
Ion Ratio Lower Upper
152 100
115 65.2 33.2 99.6
150 167.3 0.0 365.2



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: 23.696 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

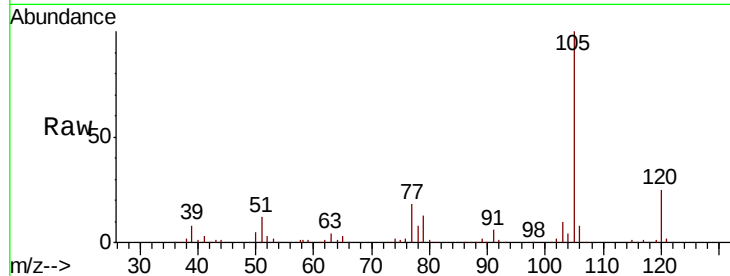
ClientSampleId :

Tot Ion:105 Resp: 276212

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

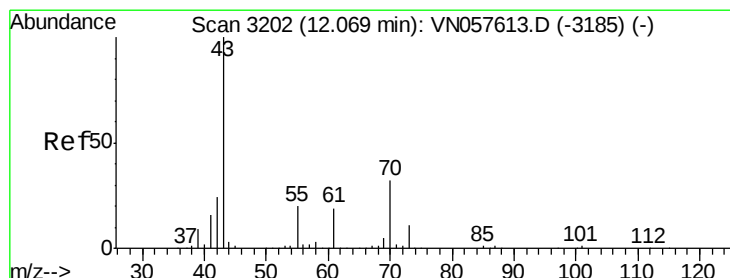
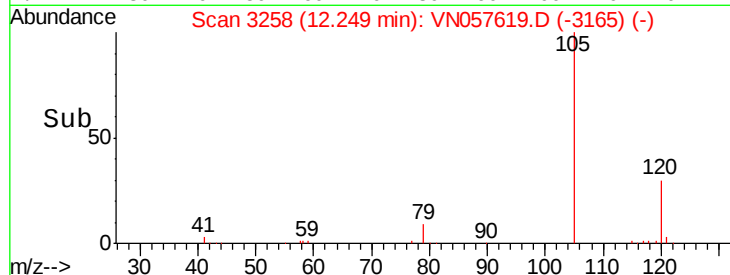
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 23.281 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Tgt Ion: 43 Resp: 128070

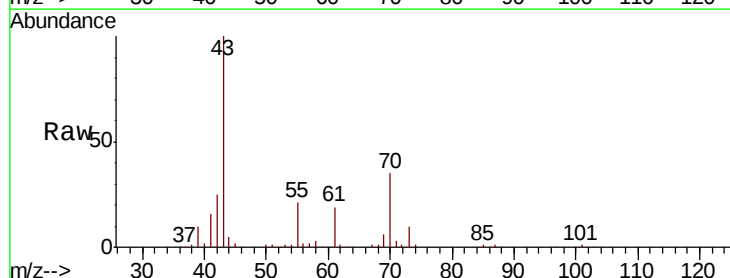
Ion Ratio Lower Upper

43 100

70 35.8 26.9 40.3

55 21.1 16.8 25.2

61 19.6 15.1 22.7



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

120000

100000

80000

60000

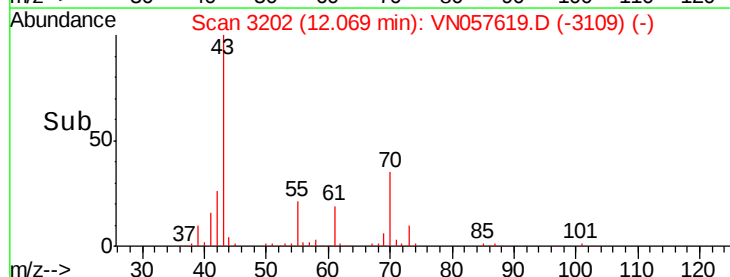
40000

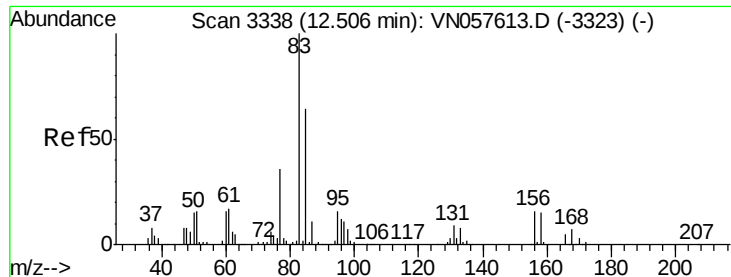
20000

0

12.00 12.07 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.087 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

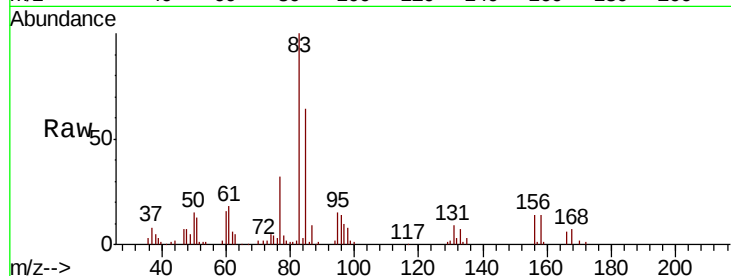
Tot Ion: 83 Resp: 79317

Ion Ratio Lower Upper

83 100

131 8.4 4.5 13.7

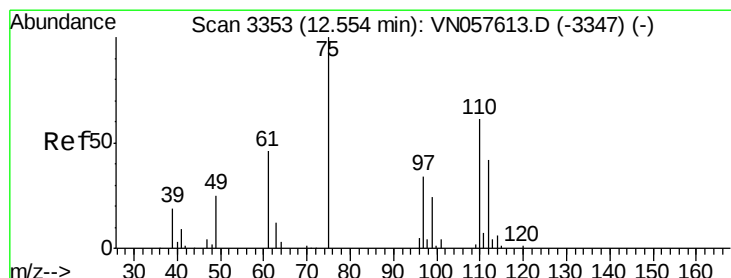
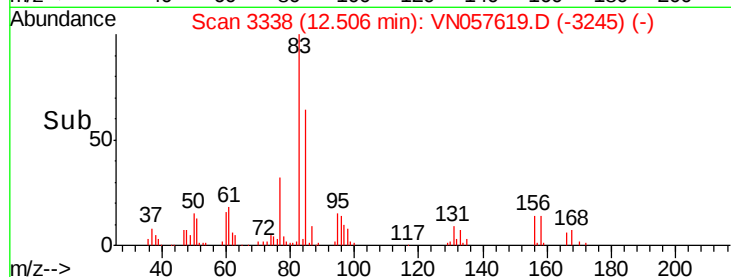
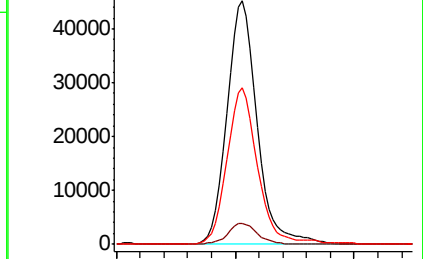
85 65.5 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 33.204 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057619.D

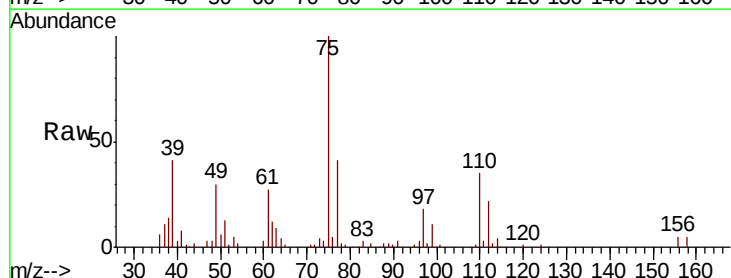
Acq: 31 Aug 2019 17:24

Tgt Ion: 75 Resp: 100840

Ion Ratio Lower Upper

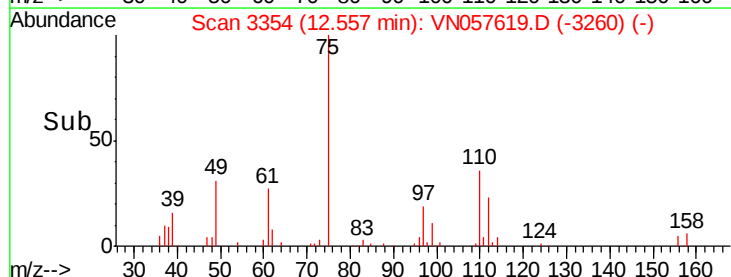
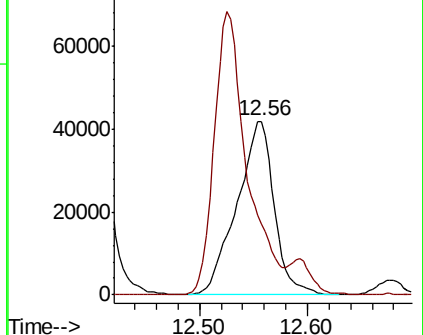
75 100

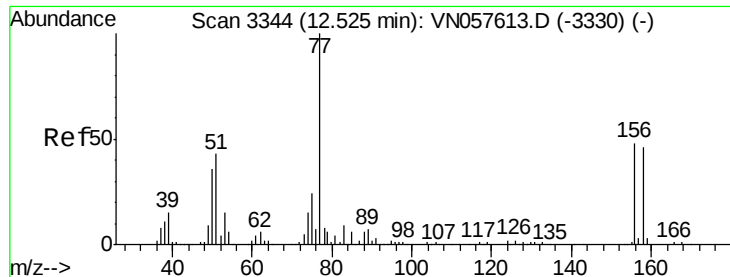
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 22.933 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

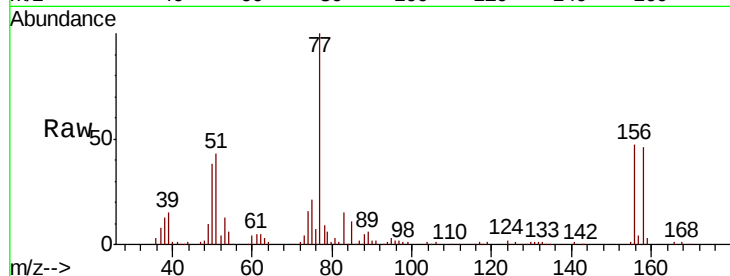
Tot Ion:156 Resp: 56895

Ion Ratio Lower Upper

156 100

77 253.0 123.5 370.5

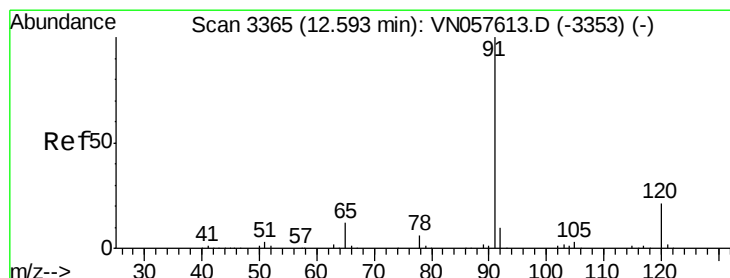
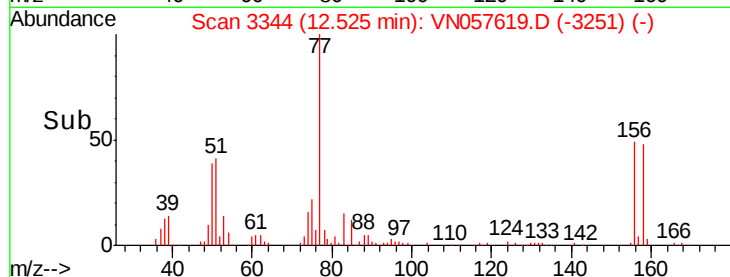
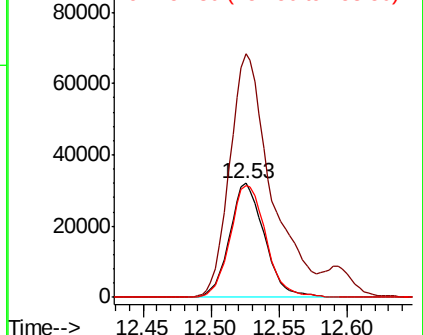
158 100.9 47.8 143.3



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: 23.001 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057619.D

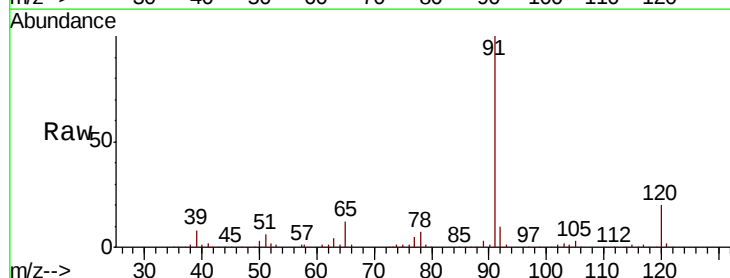
Acq: 31 Aug 2019 17:24

Tgt Ion: 91 Resp: 298414

Ion Ratio Lower Upper

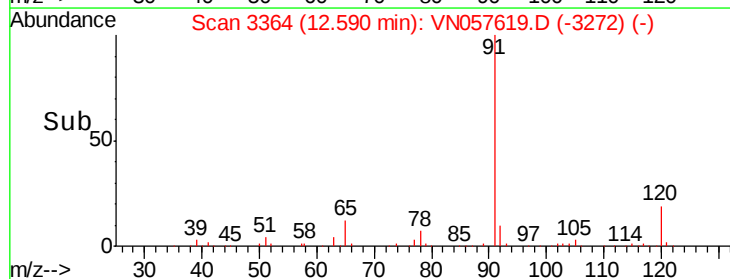
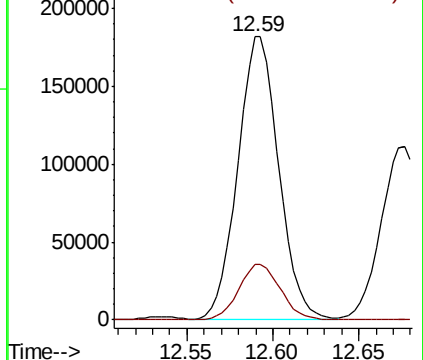
91 100

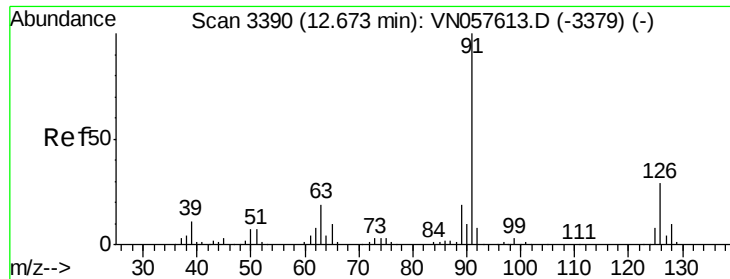
120 20.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

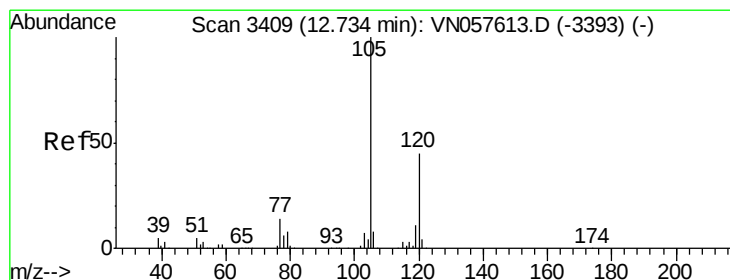
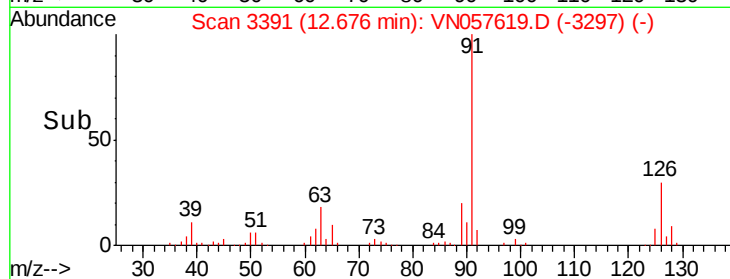
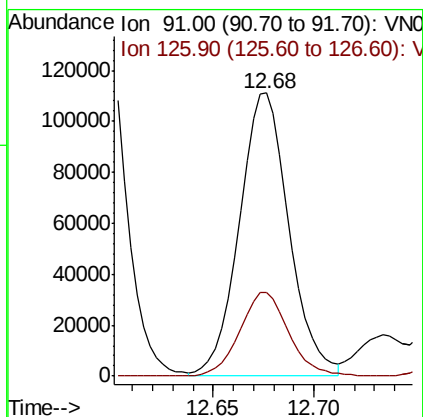
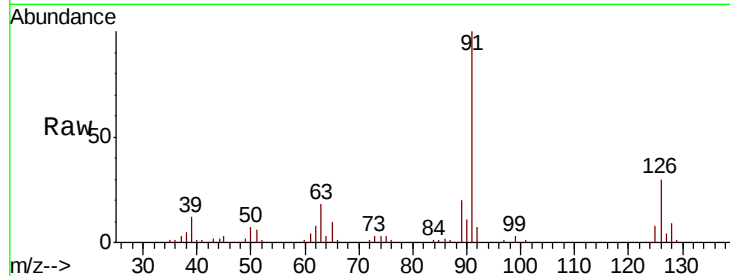




#79
 2-Chlorotoluene
 Concen: 23.571 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

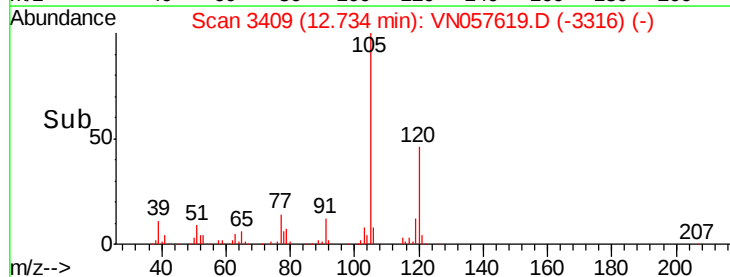
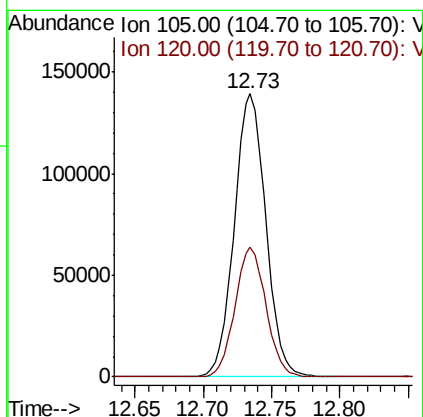
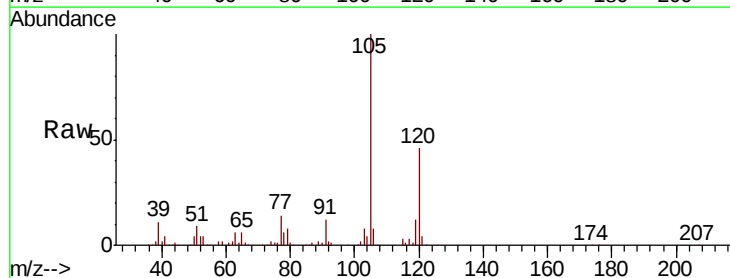
Instrument :
 MSVOA_N
 ClientSampled :

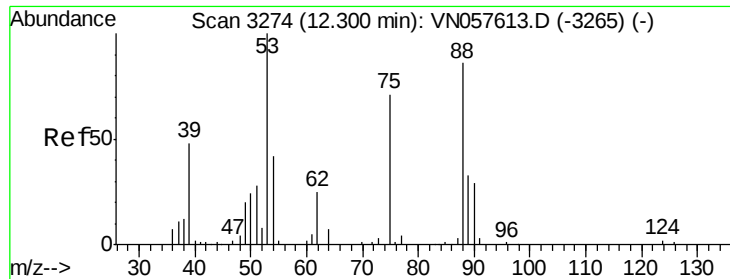
Tot Ion: 91 Resp: 190689
 Ion Ratio Lower Upper
 91 100
 126 29.6 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.226 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion: 105 Resp: 222727
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.396 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

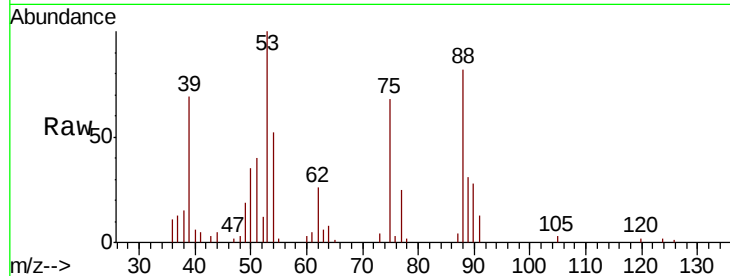
Tot Ion: 75 Resp: 16298

Ion Ratio Lower Upper

75 100

53 154.2 111.0 166.6

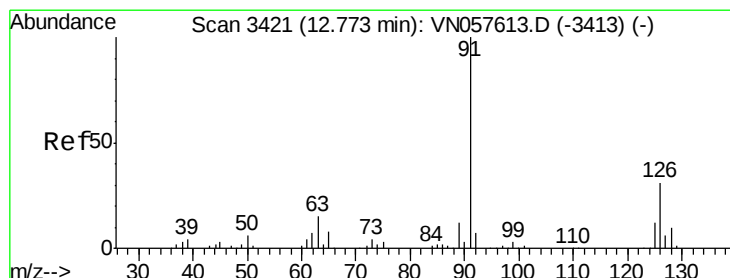
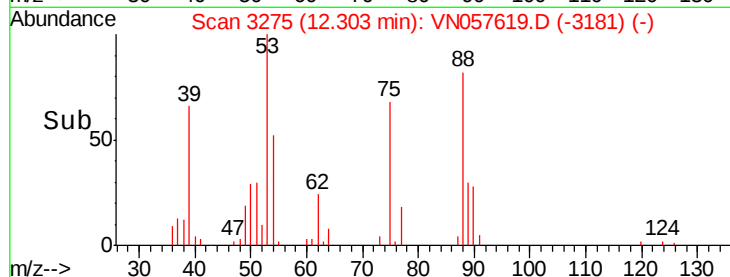
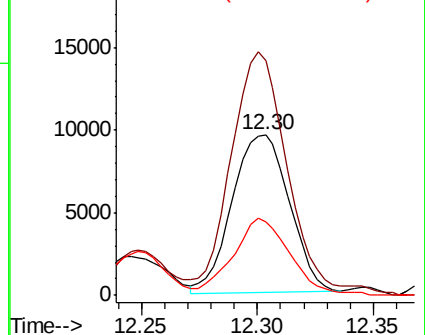
89 45.7 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VN057619.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057619.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057619.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 21.866 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057619.D

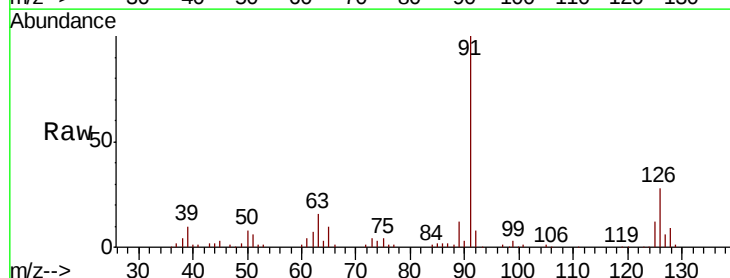
Acq: 31 Aug 2019 17:24

Tgt Ion: 91 Resp: 175103

Ion Ratio Lower Upper

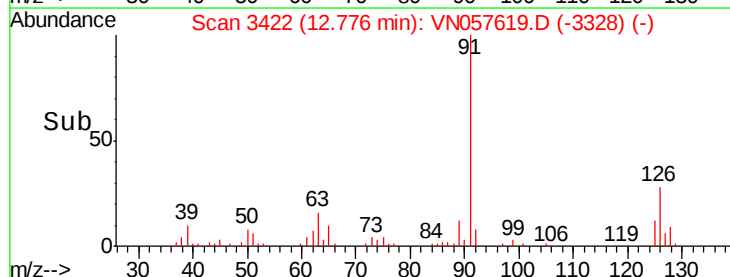
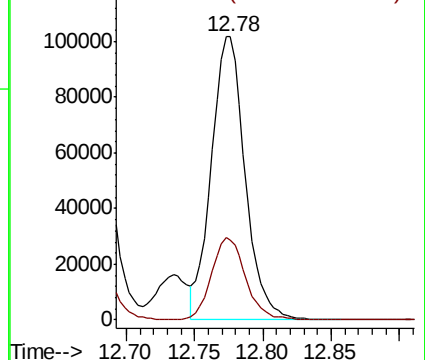
91 100

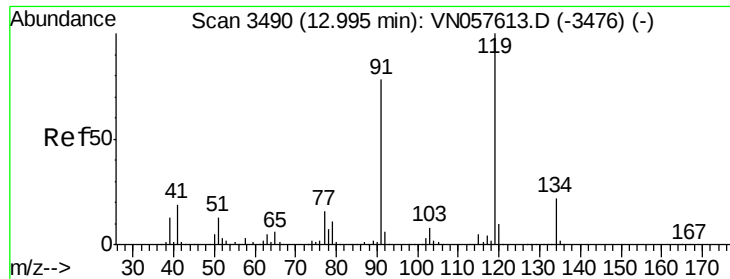
126 29.3 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VN057619.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057619.D (-3413) (-)

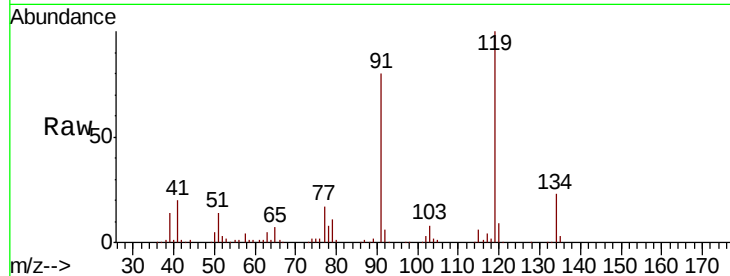




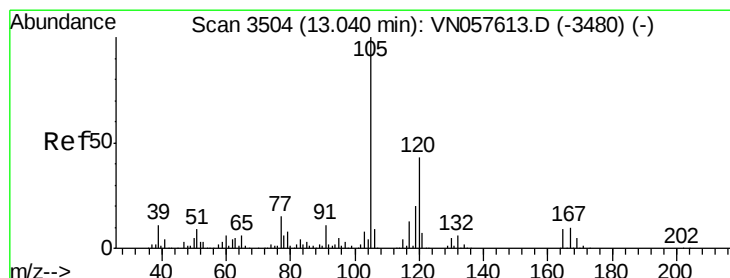
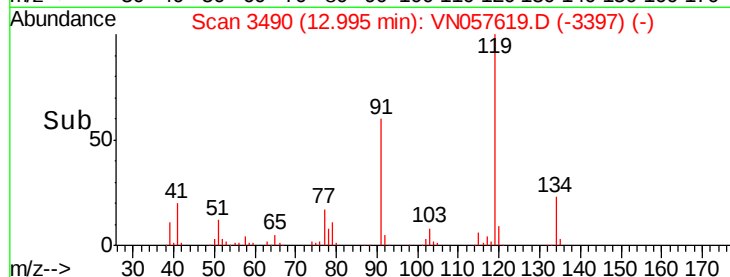
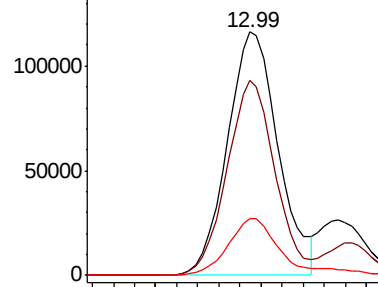
#83
tert-Butylbenzene
Concen: 23.959 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 194949
Ion Ratio Lower Upper
119 100
91 75.7 38.3 114.9
134 24.5 11.3 33.8

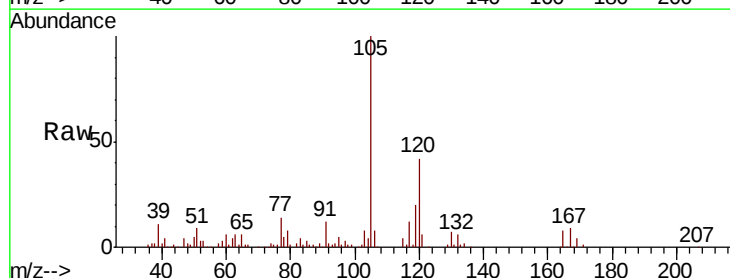


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

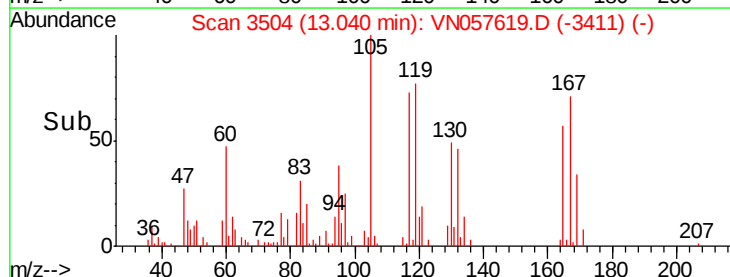
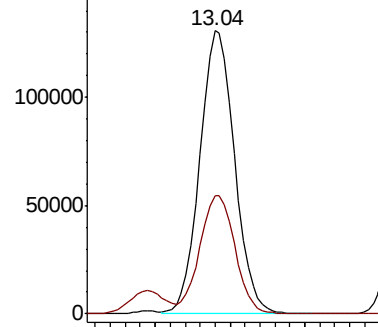


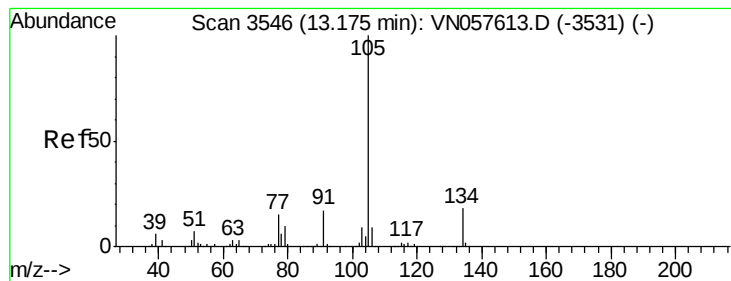
#84
1,2,4-Trimethylbenzene
Concen: 22.798 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057619.D
Acq: 31 Aug 2019 17:24

Tgt Ion:105 Resp: 211517
Ion Ratio Lower Upper
105 100
120 42.5 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.145 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

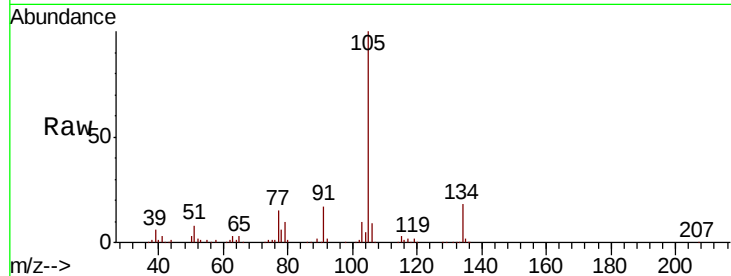
ClientSampleId :

Tot Ion:105 Resp: 242373

Ion Ratio Lower Upper

105 100

134 18.2 8.9 26.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

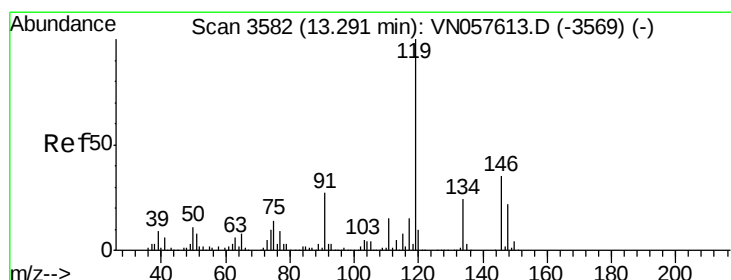
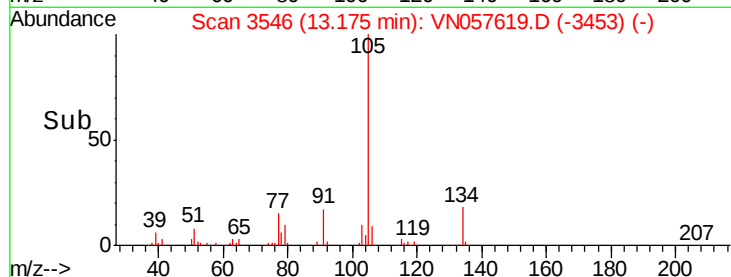
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 22.063 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

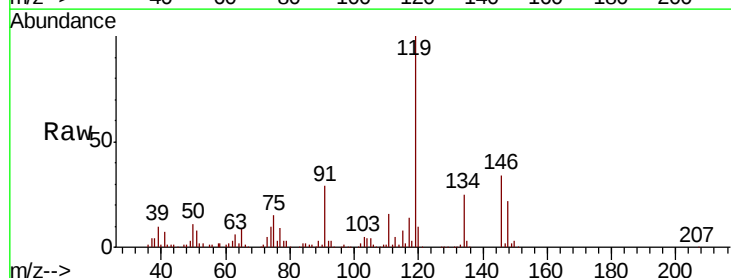
Tgt Ion:119 Resp: 199704

Ion Ratio Lower Upper

119 100

134 25.0 11.9 35.5

91 28.7 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

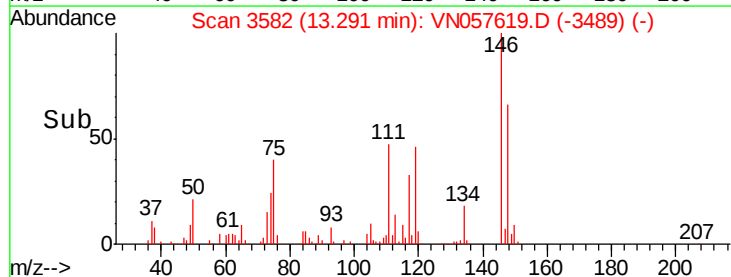
100000

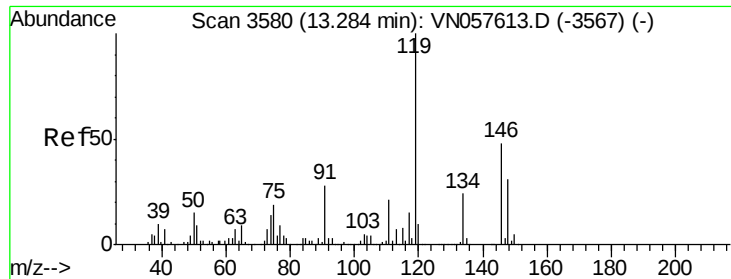
50000

0

13.20 13.25 13.30 13.35

Time-->

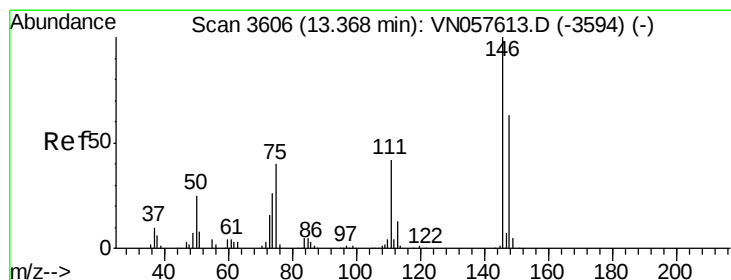
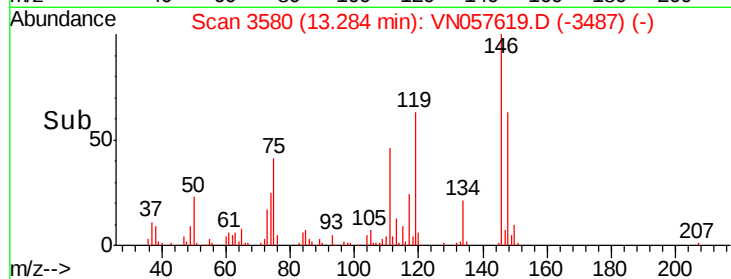
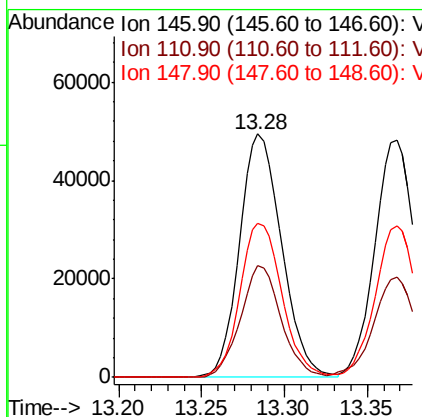
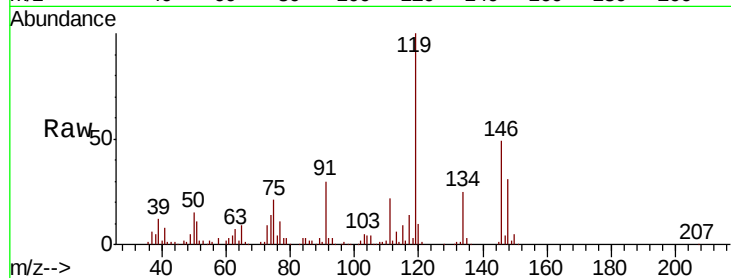




#87
 1,3-Dichlorobenzene
 Concen: 21.657 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

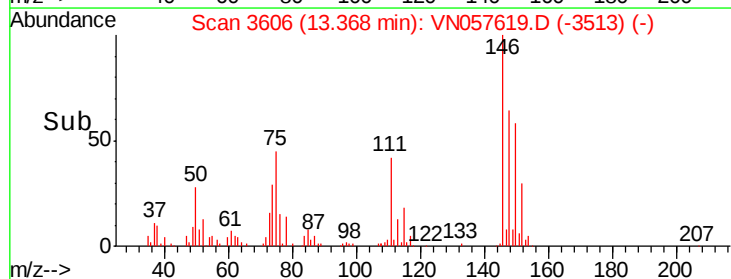
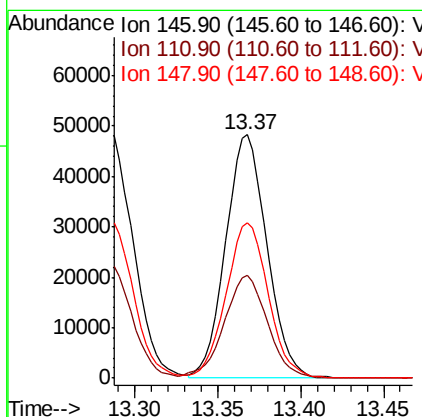
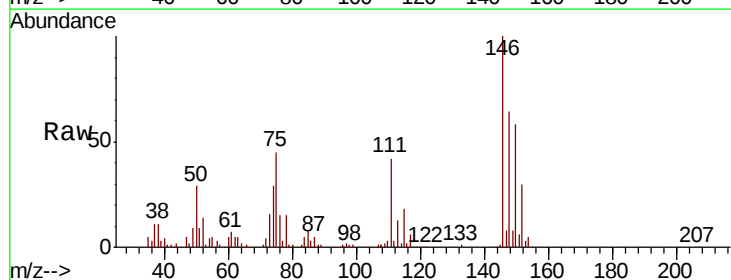
Instrument :
 MSVOA_N
 ClientSampleId :

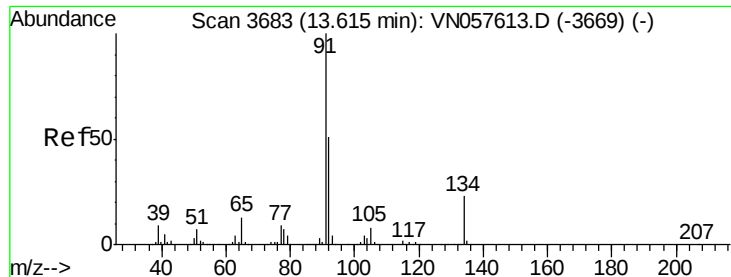
Tot Ion:146 Resp: 87535
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.8 65.3
 148 63.3 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 21.426 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion:146 Resp: 83650
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.6 65.0
 148 65.1 32.2 96.6





#89

n-Butylbenzene

Concen: 22.363 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampled :

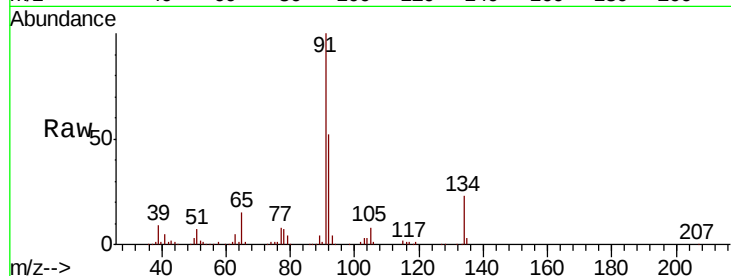
Tot Ion: 91 Resp: 189687

Ion Ratio Lower Upper

91 100

92 51.5 25.4 76.0

134 22.2 11.0 33.0

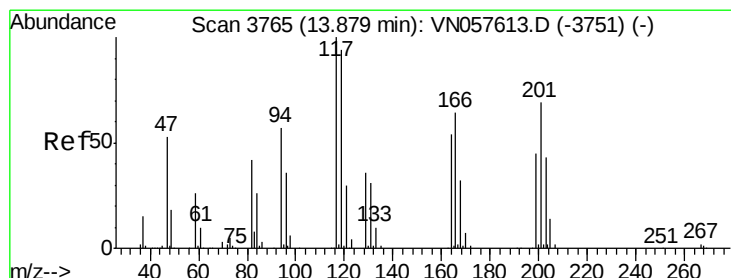
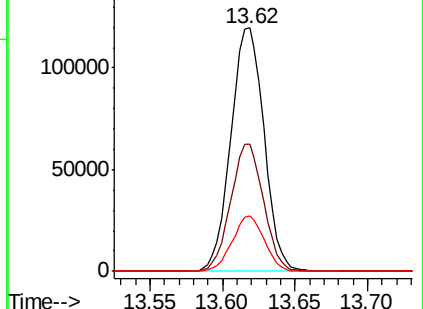
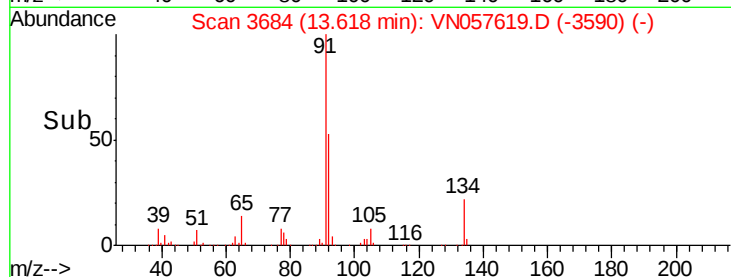


Abundance Ion 91.00 (90.70 to 91.70): VN057619.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057619.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057619.D (-3669) (-)

13.62



#90

Hexachloroethane

Concen: 20.255 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057619.D

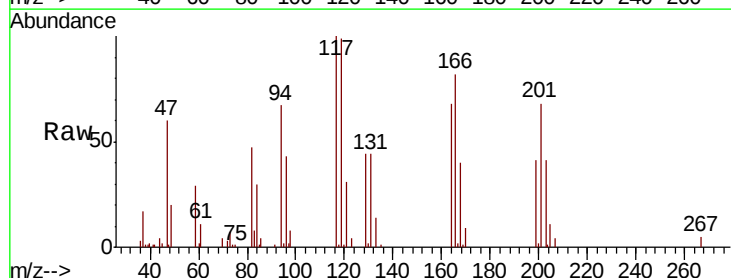
Acq: 31 Aug 2019 17:24

Tgt Ion: 117 Resp: 31828

Ion Ratio Lower Upper

117 100

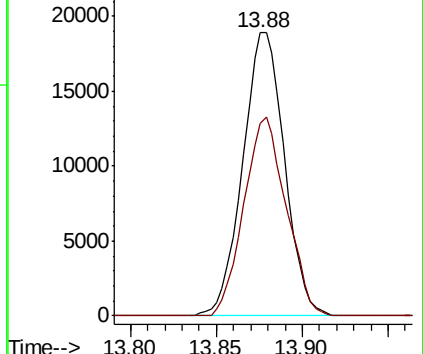
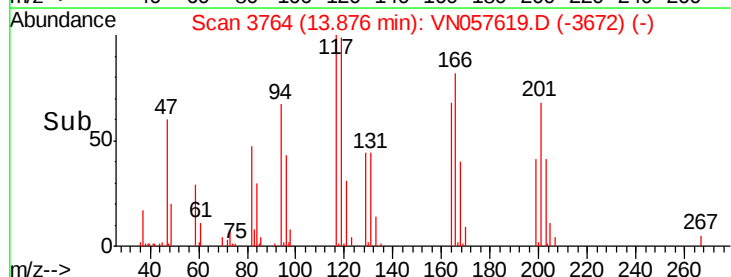
201 71.1 34.4 103.2

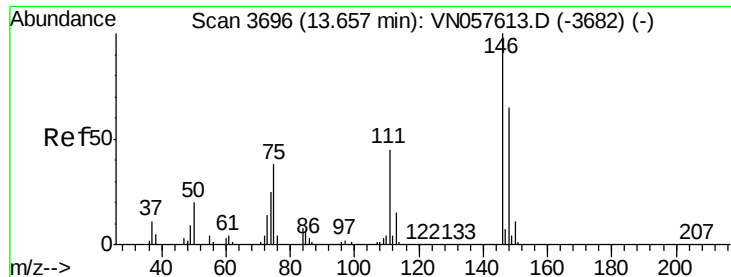


Abundance Ion 116.80 (116.50 to 117.50): VN057619.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057619.D (-3751) (-)

13.88





#91

1,2-Dichlorobenzene

Concen: 21.688 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

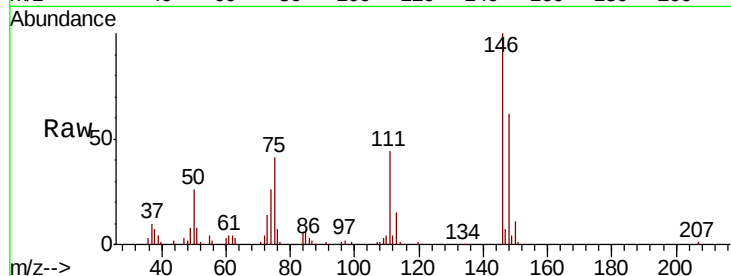
Tot Ion:146 Resp: 83649

Ion Ratio Lower Upper

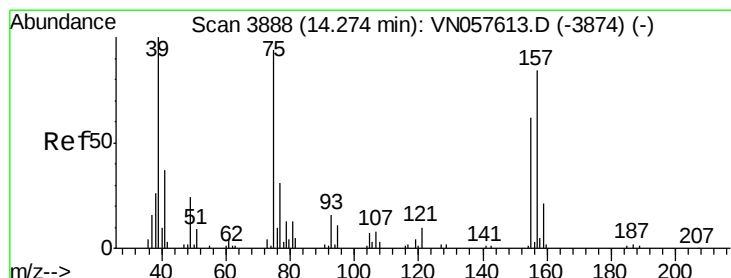
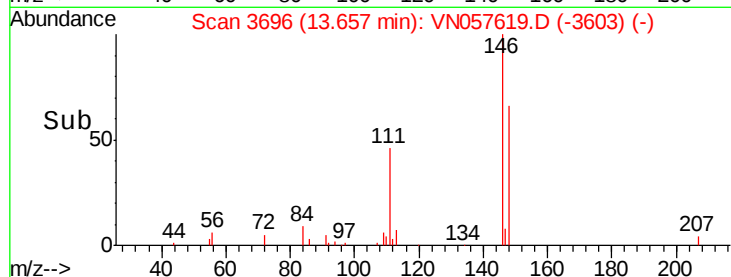
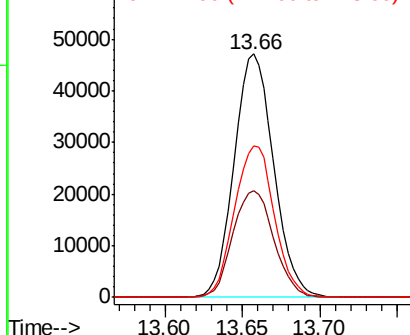
146 100

111 45.4 22.1 66.5

148 62.9 31.6 94.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.800 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

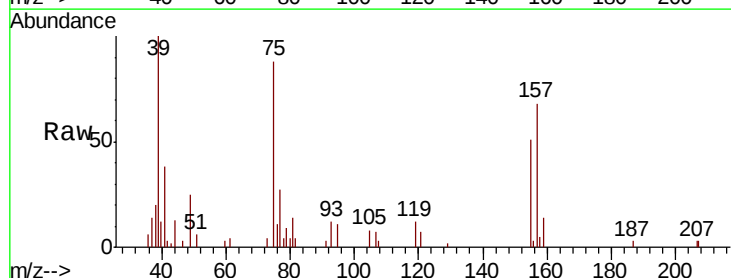
Tgt Ion: 75 Resp: 11532

Ion Ratio Lower Upper

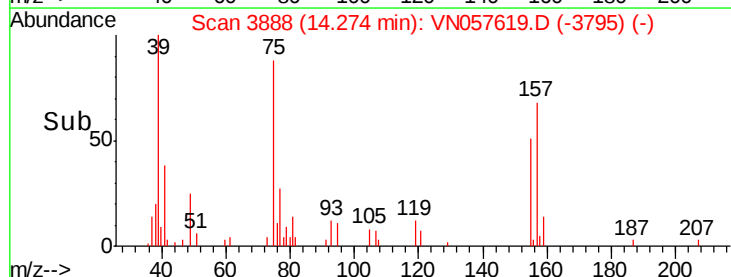
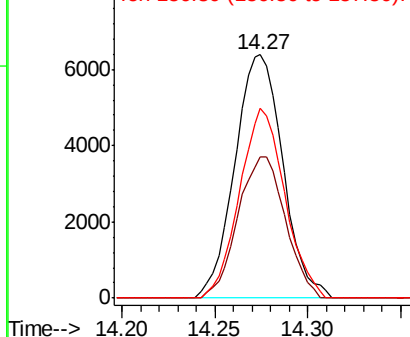
75 100

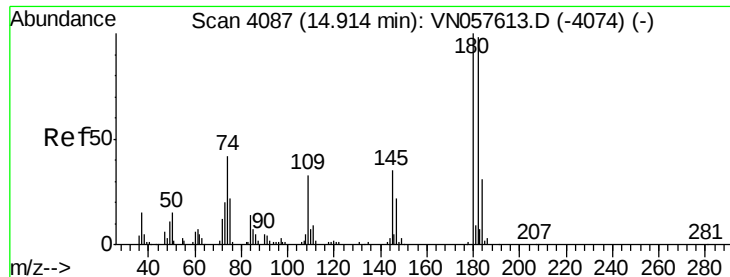
155 57.2 30.1 90.5

157 73.5 41.4 124.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

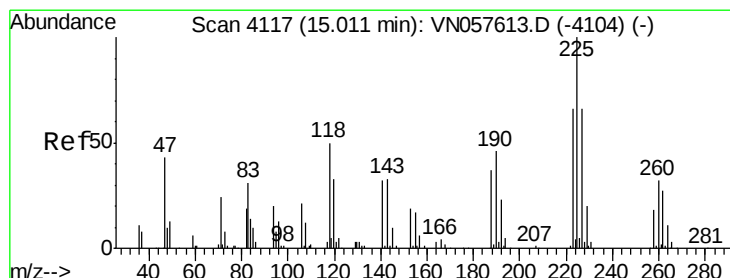
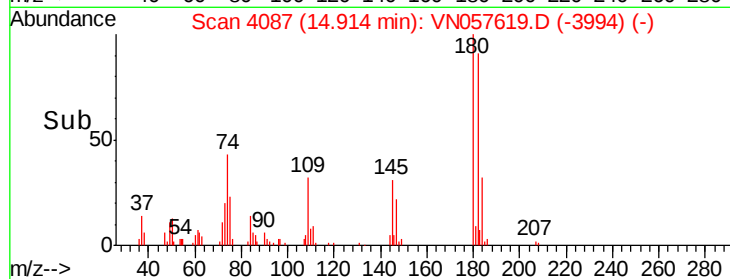
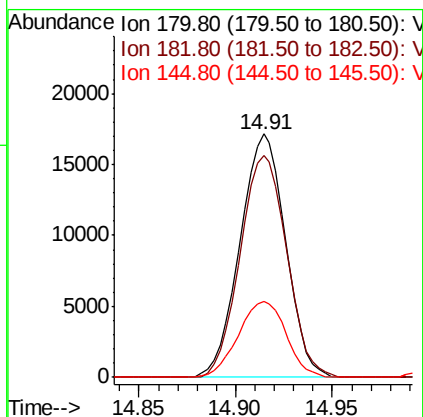
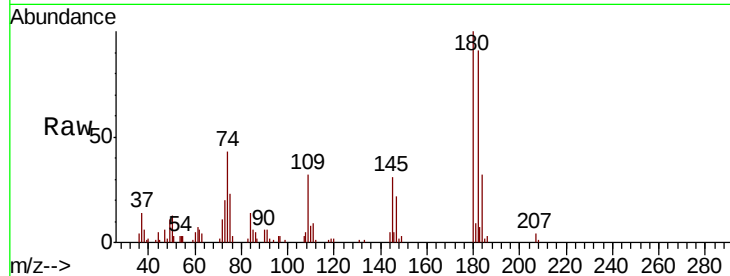




#93
 1,2,4-Trichlorobenzene
 Concen: 22.328 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

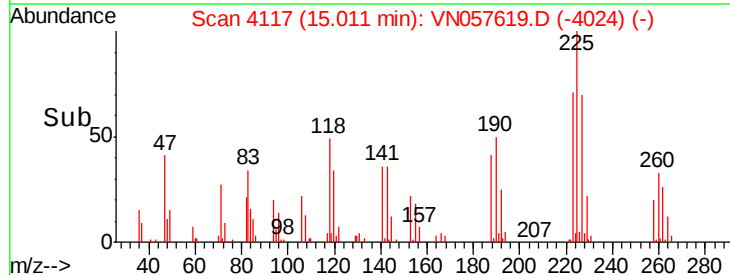
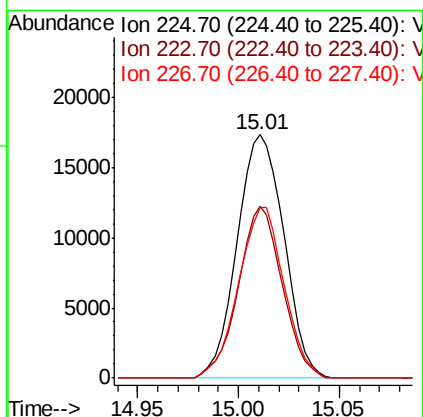
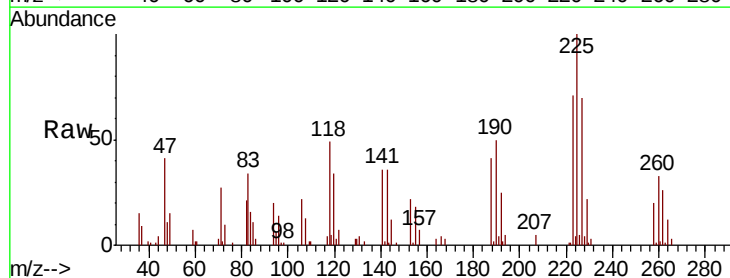
Instrument :
 MSVOA_N
 ClientSampleId :

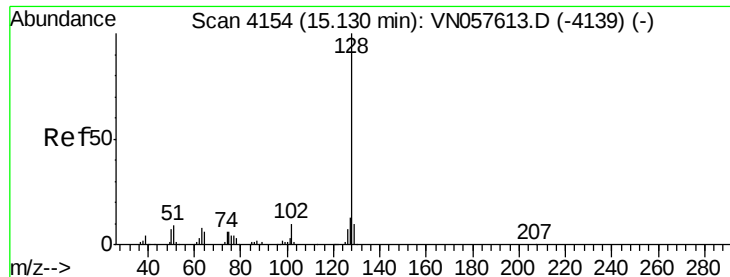
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.8	143.3
145	32.7	16.9	50.7



#94
 Hexachlorobutadiene
 Concen: 21.340 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057619.D
 Acq: 31 Aug 2019 17:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.3	96.8
227	68.0	32.4	97.2





#95

Naphthalene

Concen: 21.024 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

Instrument :

MSVOA_N

ClientSampleId :

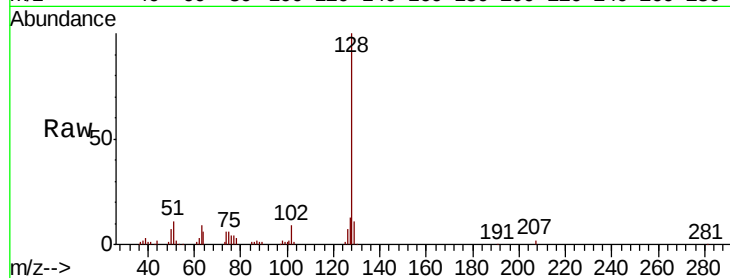
Tot Ion:128 Resp: 81043

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

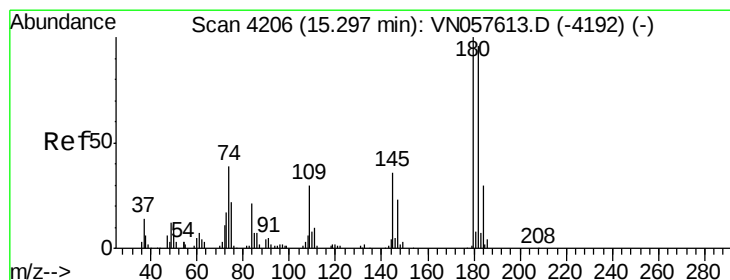
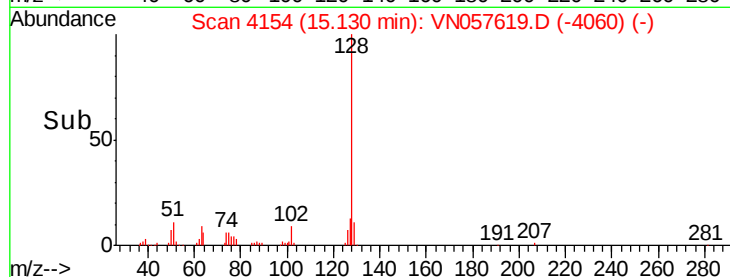
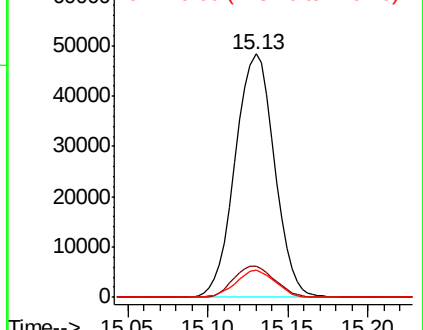
129 11.1 8.6 12.8



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: 21.477 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057619.D

Acq: 31 Aug 2019 17:24

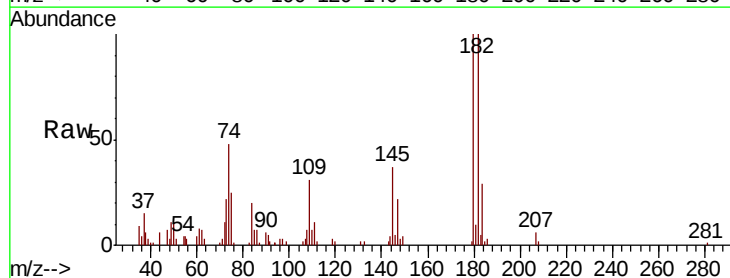
Tgt Ion:180 Resp: 27189

Ion Ratio Lower Upper

180 100

182 98.1 46.3 138.9

145 35.1 17.8 53.3



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

