

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058415.D
 Acq On : 27 Sep 2019 17:57
 Operator : JC/SP
 Sample : VN0927WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Quant Time: Sep 28 00:06:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	472140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	785365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	697598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325176	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	341904	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.57	113	241400	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.09	98	970321	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.41	95	346149	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	110335	26.518	ug/l	100
3) Chloromethane	2.04	50	119387	29.478	ug/l	100
4) Vinyl Chloride	2.17	62	114952	27.760	ug/l	99
5) Bromomethane	2.55	94	60421	28.577	ug/l	97
6) Chloroethane	2.69	64	67150	25.029	ug/l	99
7) Trichlorofluoromethane	3.00	101	137186	24.286	ug/l	96
8) Diethyl Ether	3.39	74	59926	23.614	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92055	22.943	ug/l	99
10) Methyl Iodide	3.93	142	104092	28.485	ug/l	99
11) Tert butyl alcohol	4.76	59	85639	109.683	ug/l	97
12) 1,1-Dichloroethene	3.72	96	86631	24.594	ug/l	98
13) Acrolein	3.59	56	35389	258.357	ug/l	95
14) Allyl chloride	4.30	41	159261	23.942	ug/l	99
15) Acrylonitrile	4.96	53	233077	109.912	ug/l	100
16) Acetone	3.80	43	217248	94.968	ug/l	93
17) Carbon Disulfide	4.03	76	229933	36.151	ug/l	99
18) Methyl Acetate	4.30	43	115310	19.499	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	315312	21.383	ug/l	99
20) Methylene Chloride	4.53	84	107980	23.570	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	99536	26.053	ug/l	94
22) Diisopropyl ether	5.93	45	348531	21.482	ug/l	96
23) Vinyl Acetate	5.87	43	1403373	123.019	ug/l	98
24) 1,1-Dichloroethane	5.83	63	194850	22.134	ug/l	99
25) 2-Butanone	6.82	43	321363	103.959	ug/l	100
26) 2,2-Dichloropropane	6.81	77	149876	20.128	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	113538	22.671	ug/l	100
28) Bromochloromethane	7.18	49	82129	20.551	ug/l	100
29) Tetrahydrofuran	7.19	42	210076	109.191	ug/l	99
30) Chloroform	7.36	83	194066	20.739	ug/l	98
31) Cyclohexane	7.64	56	190583	26.989	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	164585	22.810	ug/l	99
36) 1,1-Dichloropropene	7.78	75	150573	24.810	ug/l	99
37) Ethyl Acetate	6.91	43	136469	22.677	ug/l	100
38) Carbon Tetrachloride	7.76	117	134954	22.640	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	178027	27.154	ug/l	99
40) Benzene	8.03	78	437364	24.027	ug/l	99
41) Methacrylonitrile	7.19	41	200681	70.589	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	166898	22.265	ug/l	100
43) Isopropyl Acetate	8.15	43	228544	20.447	ug/l	99
44) Trichloroethene	8.83	130	107018	23.979	ug/l	96
45) 1,2-Dichloropropane	9.11	63	118123	22.297	ug/l	99
46) Dibromomethane	9.20	93	74360	22.899	ug/l	99
47) Bromodichloromethane	9.39	83	140153	20.969	ug/l	100
48) Methyl methacrylate	9.19	41	109220	21.549	ug/l	98
49) 1,4-Dioxane	9.19	88	37677	468.545	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	675629	115.059	ug/l	99
52) Toluene	10.15	92	295041	26.047	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	152627	21.980	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	171745	22.341	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	101400	20.874	ug/l	98
56) Ethyl methacrylate	10.43	69	158614	22.474	ug/l	99
57) 1,3-Dichloropropane	10.71	76	183584	21.808	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	311720	96.501	ug/l	99
59) 2-Hexanone	10.75	43	488936	112.391	ug/l	99
60) Dibromochloromethane	10.90	129	97286	20.805	ug/l	100
61) 1,2-Dibromoethane	11.00	107	102881	22.396	ug/l	100
64) Tetrachloroethene	10.63	164	88939	24.625	ug/l	98
65) Chlorobenzene	11.43	112	281692	22.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96497	21.378	ug/l	99
67) Ethyl Benzene	11.51	91	534506	24.470	ug/l	99
68) m/p-Xylenes	11.62	106	398366	48.360	ug/l	98
69) o-Xylene	11.95	106	189029	23.459	ug/l	97
70) Styrene	11.97	104	308153	22.439	ug/l	99
71) Bromoform	12.13	173	59118	20.803	ug/l #	98
73) Isopropylbenzene	12.25	105	506532	24.071	ug/l	100
74) N-amyl acetate	12.08	43	197102	22.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	147319	21.452	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	181707	30.783	ug/l #	100
77) Bromobenzene	12.53	156	113999	21.727	ug/l	99
78) n-propylbenzene	12.60	91	586377	24.505	ug/l	99
79) 2-Chlorotoluene	12.68	91	348149	23.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	423519	23.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	35041	19.299	ug/l	88
82) 4-Chlorotoluene	12.78	91	352568	22.670	ug/l	99
83) tert-Butylbenzene	13.00	119	361680	23.088	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	434958	24.629	ug/l	99
85) sec-Butylbenzene	13.18	105	475645	23.220	ug/l	99
86) p-Isopropyltoluene	13.30	119	427836	23.545	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	204849	21.529	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	204082	21.070	ug/l	98
89) n-Butylbenzene	13.62	91	372124	21.903	ug/l	99
90) Hexachloroethane	13.88	117	63324	22.510	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	203509	21.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26638	21.590	ug/l	94

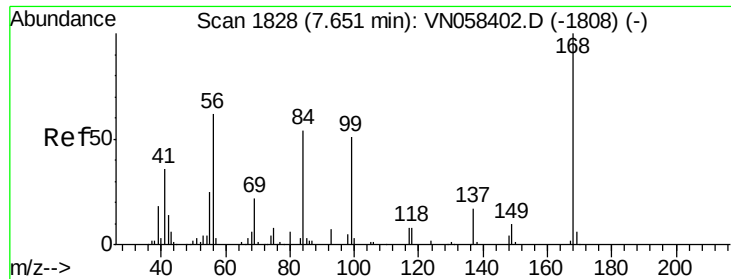
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
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Quant Title : SW846 8260
QLast Update : Fri Sep 27 23:01:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	113990	19.146	ug/l	97
94) Hexachlorobutadiene	15.02	225	55120	19.121	ug/l	98
95) Naphthalene	15.13	128	366811	23.828	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109179	19.524	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

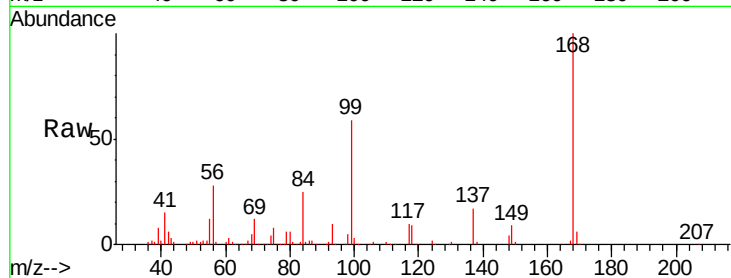
VN0927WBSD01

Tgt Ion:168 Resp: 472140

Ion Ratio Lower Upper

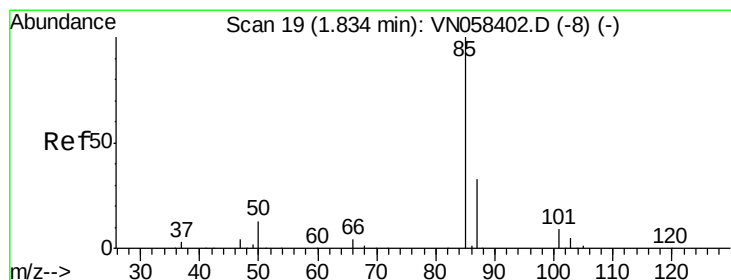
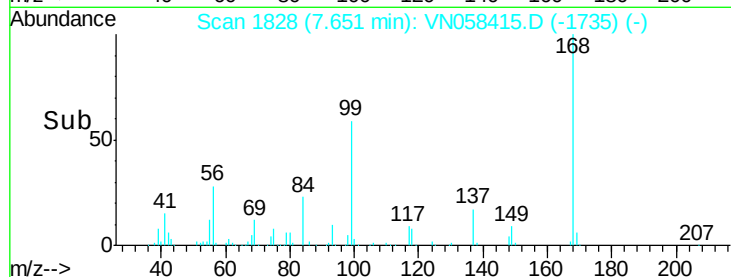
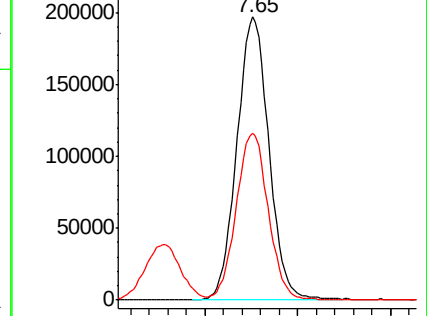
168 100

99 58.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 26.518 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058415.D

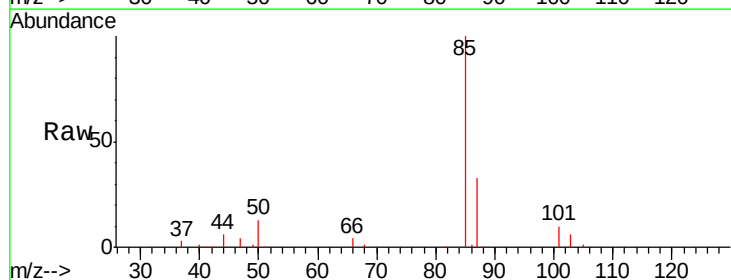
Acq: 27 Sep 2019 17:57

Tgt Ion: 85 Resp: 110335

Ion Ratio Lower Upper

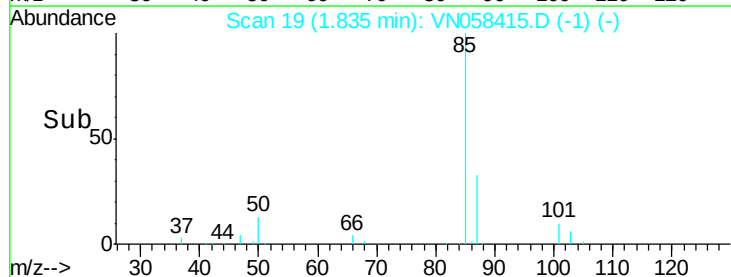
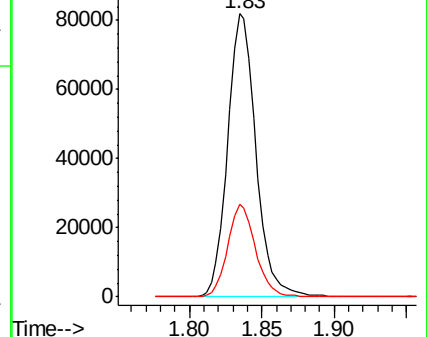
85 100

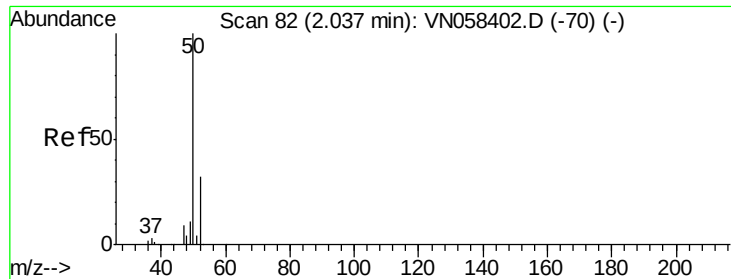
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 29.478 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

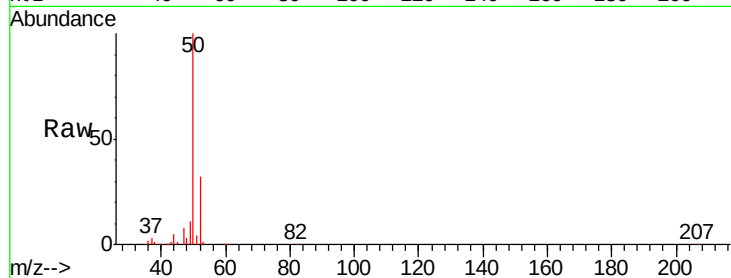
VN0927WBSD01

Tgt Ion: 50 Resp: 119387

Ion Ratio Lower Upper

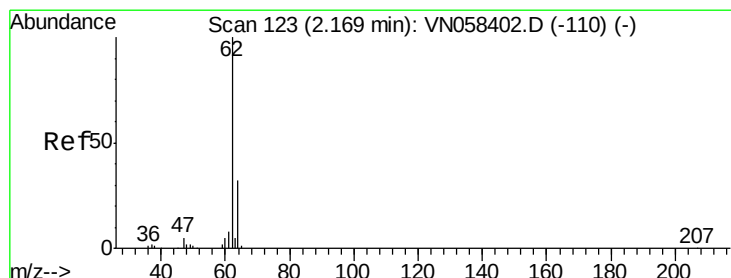
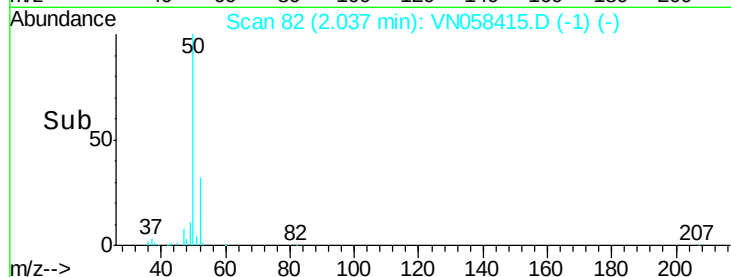
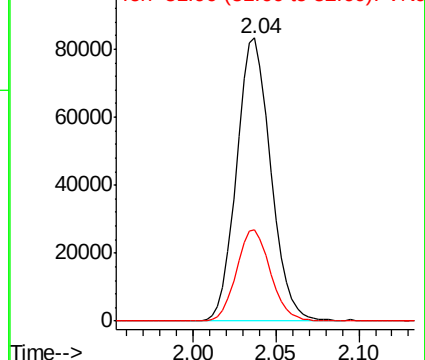
50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 27.760 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058415.D

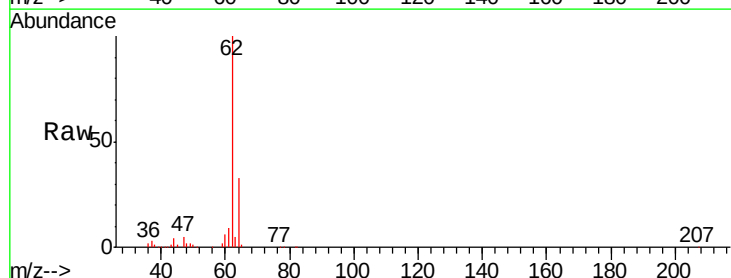
Acq: 27 Sep 2019 17:57

Tgt Ion: 62 Resp: 114952

Ion Ratio Lower Upper

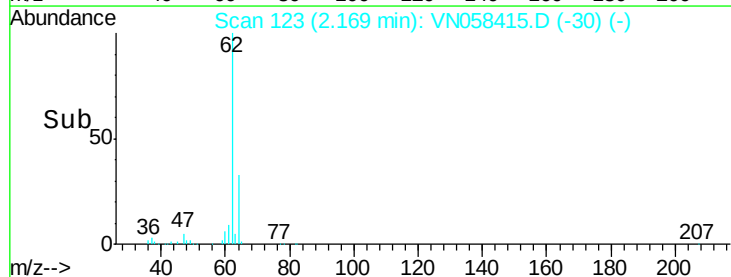
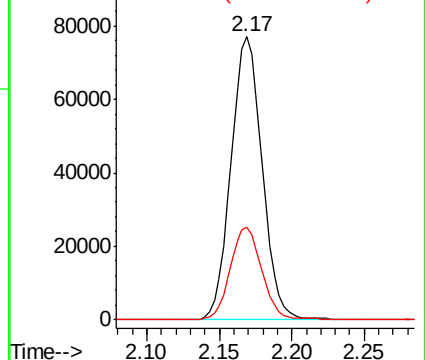
62 100

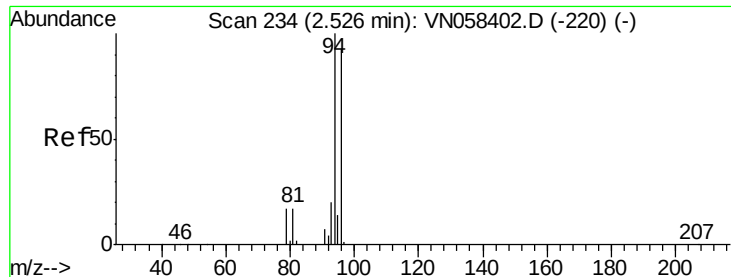
64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 28.577 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

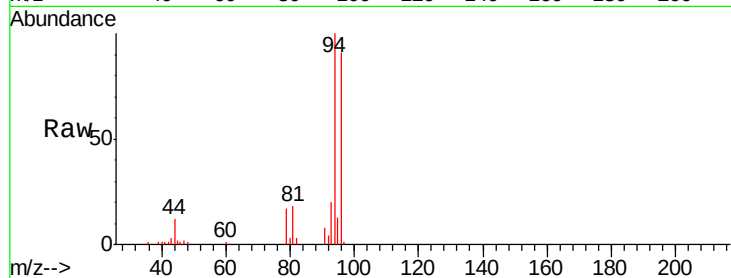
VN0927WBSD01

Tgt Ion: 94 Resp: 60421

Ion Ratio Lower Upper

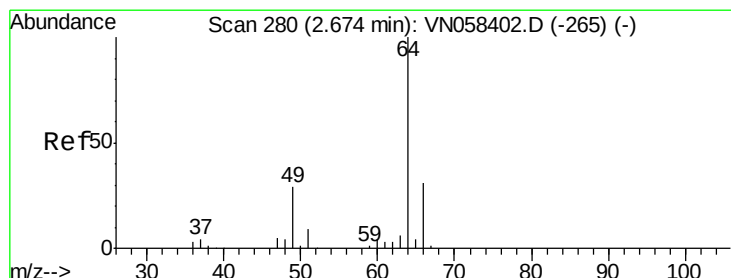
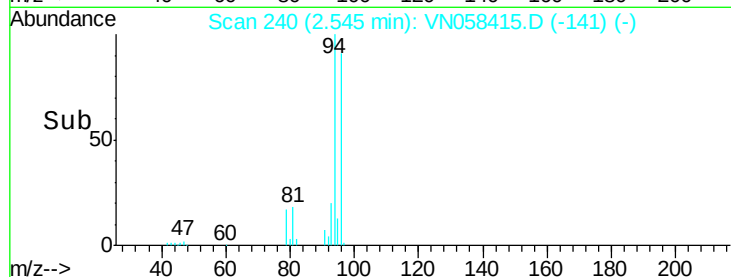
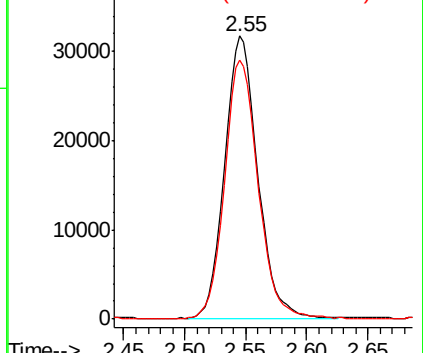
94 100

96 91.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 25.029 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058415.D

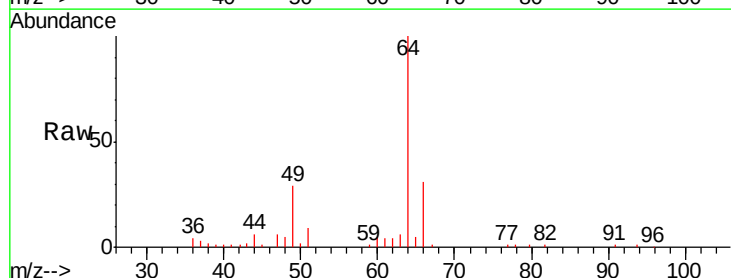
Acq: 27 Sep 2019 17:57

Tgt Ion: 64 Resp: 67150

Ion Ratio Lower Upper

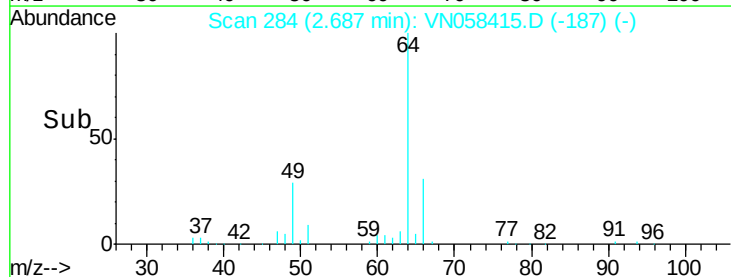
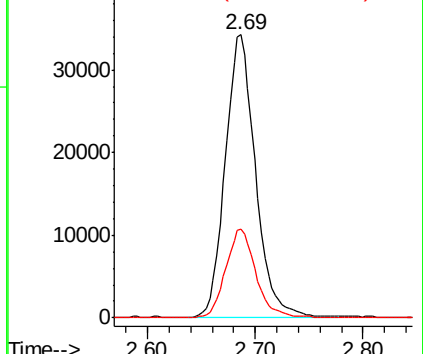
64 100

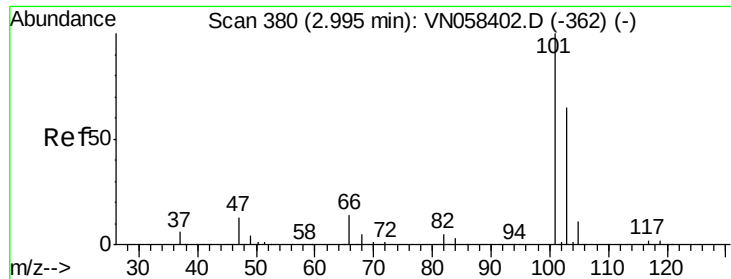
66 31.3 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



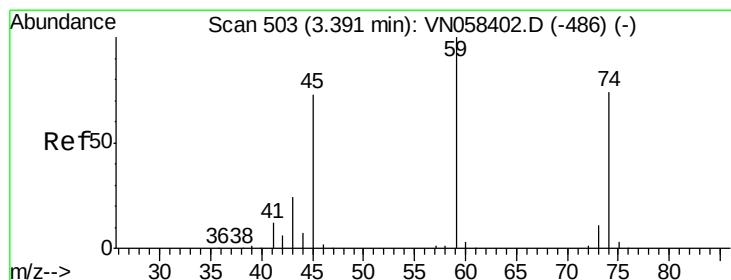
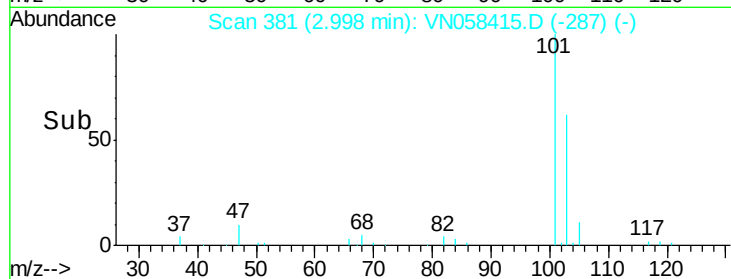
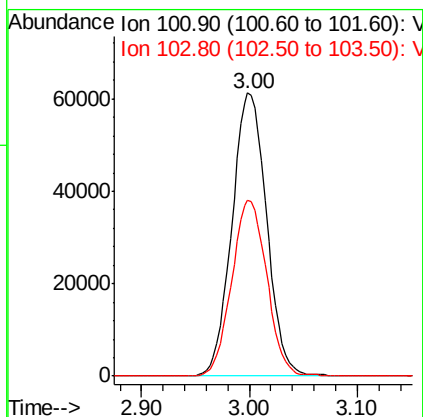
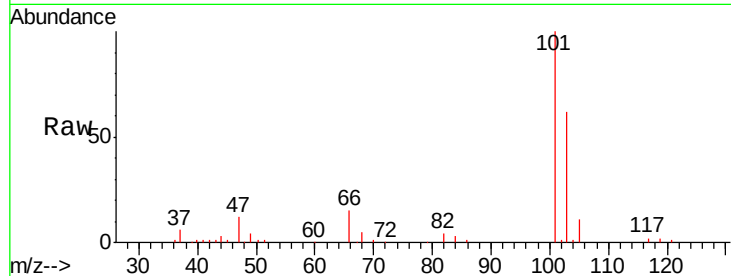


#7

Trichlorofluoromethane
 Concen: 24.286 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

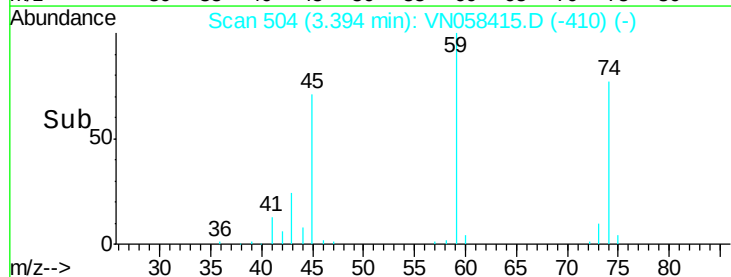
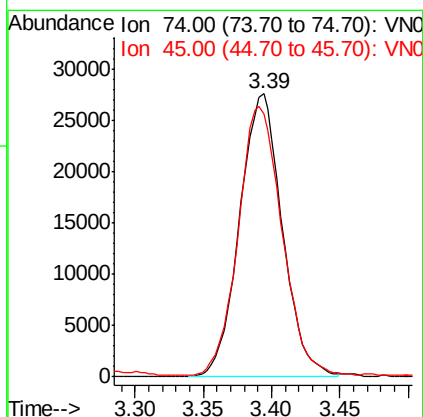
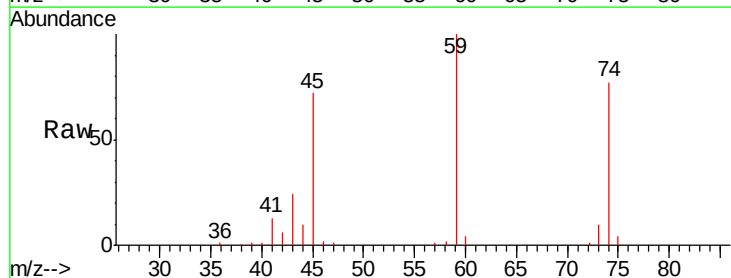
Tgt Ion: 101 Resp: 137186
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.3 78.5

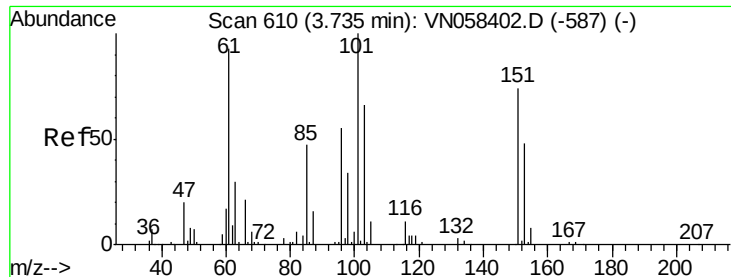


#8

Diethyl Ether
 Concen: 23.614 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 74 Resp: 59926
 Ion Ratio Lower Upper
 74 100
 45 96.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.943 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

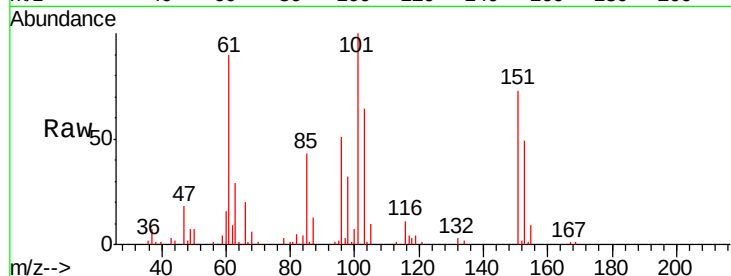
Tgt Ion:101 Resp: 92055

Ion Ratio Lower Upper

101 100

85 46.1 36.7 55.1

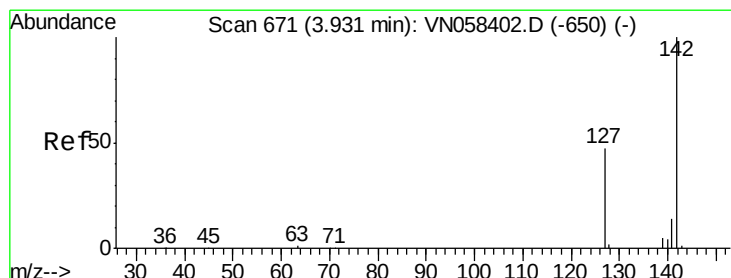
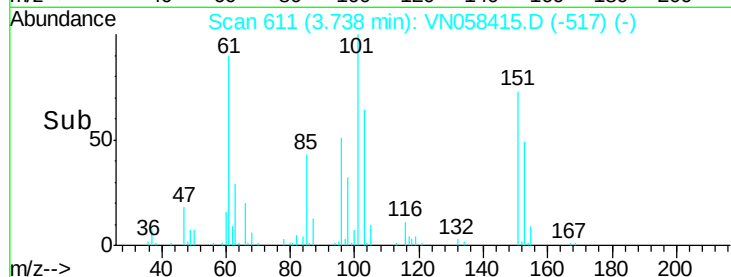
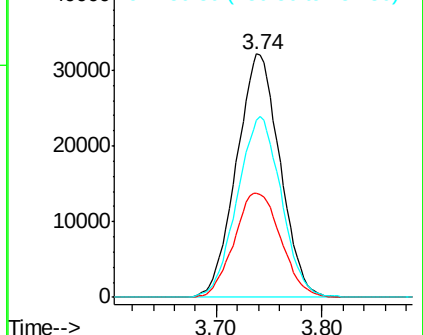
151 75.3 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.485 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

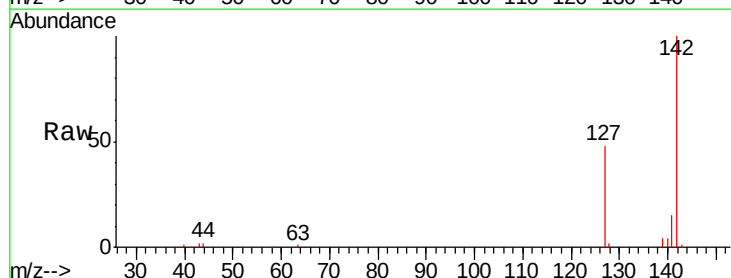
Tgt Ion:142 Resp: 104092

Ion Ratio Lower Upper

142 100

127 47.2 37.2 55.8

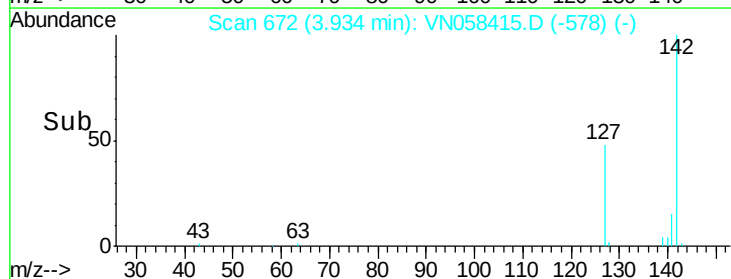
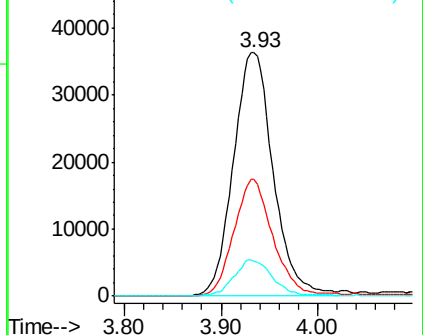
141 14.2 11.3 16.9

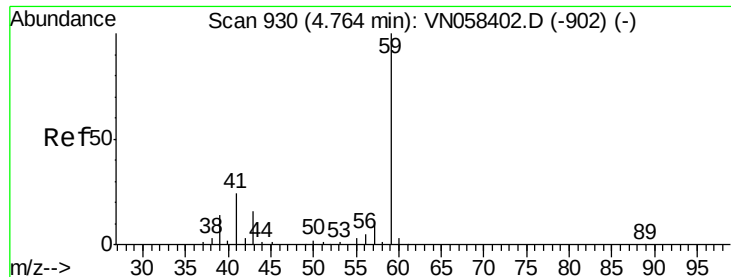


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

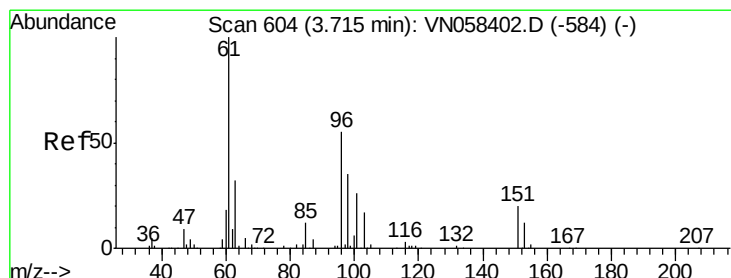
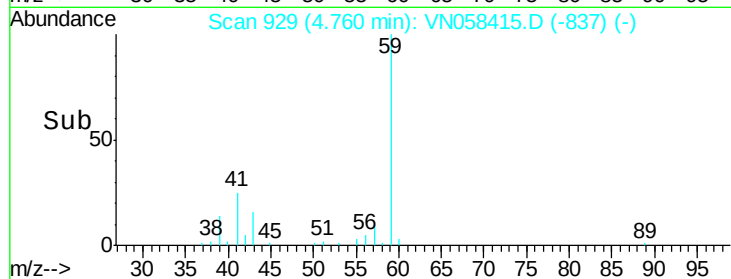
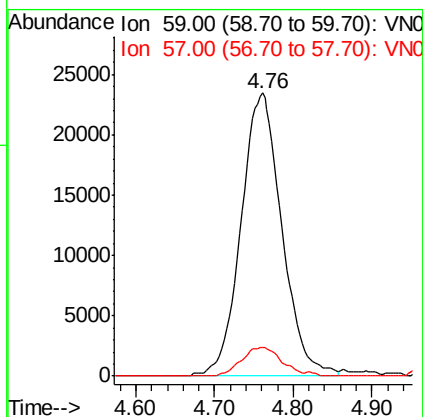
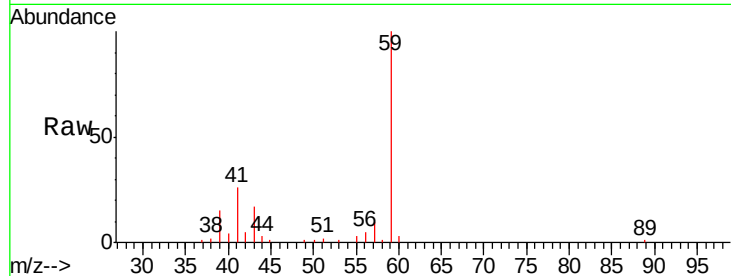




#11
Tert butyl alcohol
Concen: 109.683 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

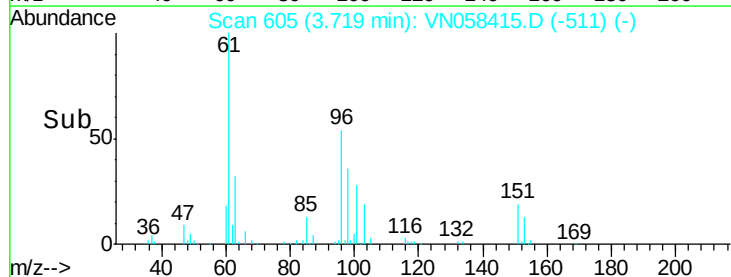
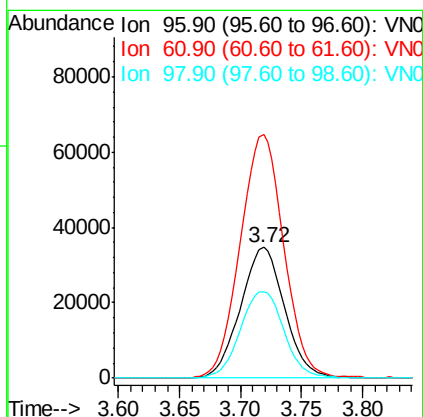
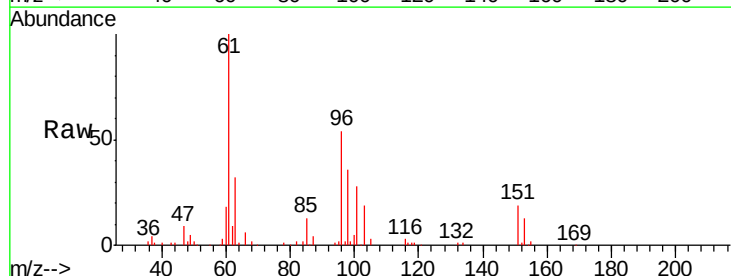
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

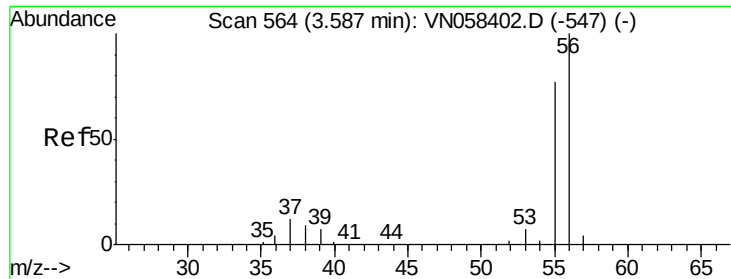
Tgt Ion: 59 Resp: 85639
Ion Ratio Lower Upper
59 100
57 9.9 9.0 13.4



#12
1,1-Dichloroethene
Concen: 24.594 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 96 Resp: 86631
Ion Ratio Lower Upper
96 100
61 186.4 146.7 220.1
98 66.4 51.3 76.9





#13

Acrolein

Concen: 258.357 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

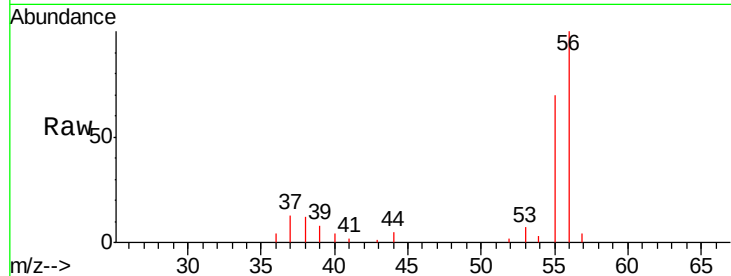
VN0927WBSD01

Tgt Ion: 56 Resp: 35389

Ion Ratio Lower Upper

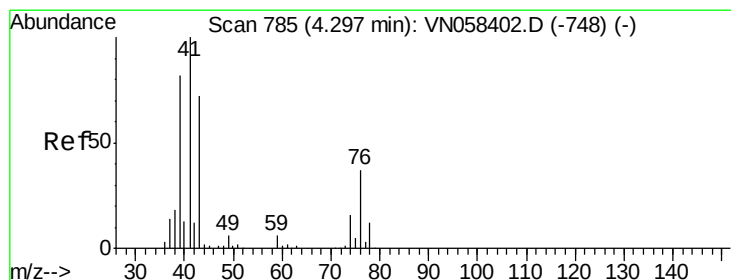
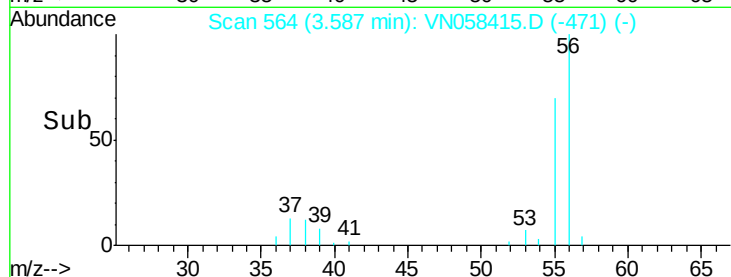
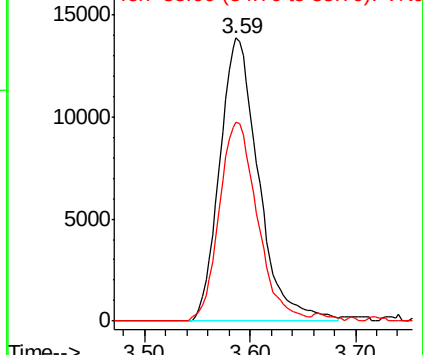
56 100

55 68.7 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 23.942 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

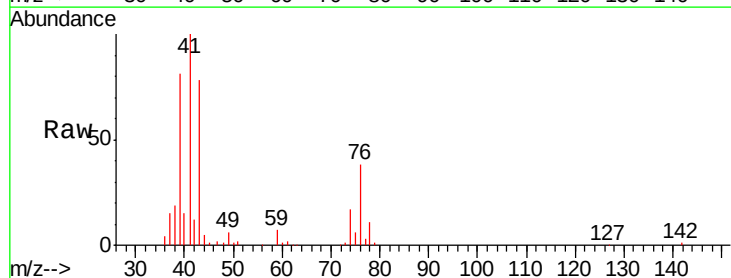
Tgt Ion: 41 Resp: 159261

Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

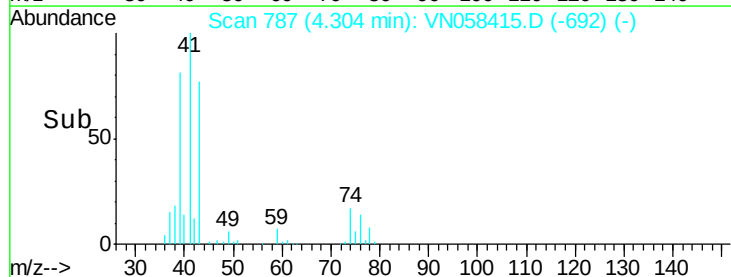
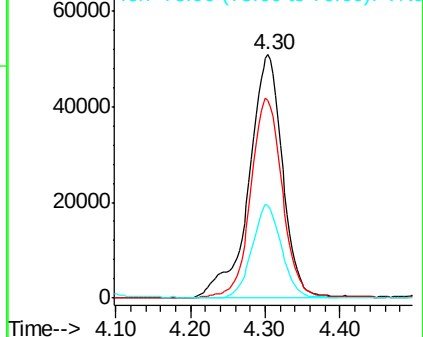
76 33.5 26.9 40.3

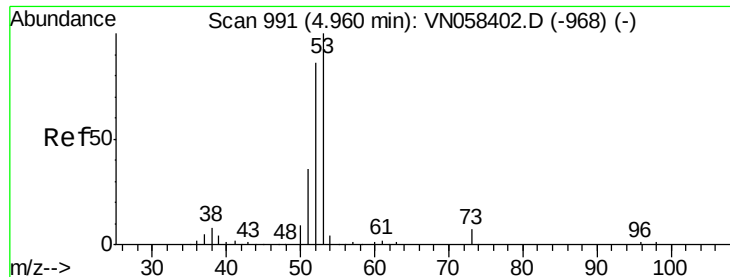


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.912 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

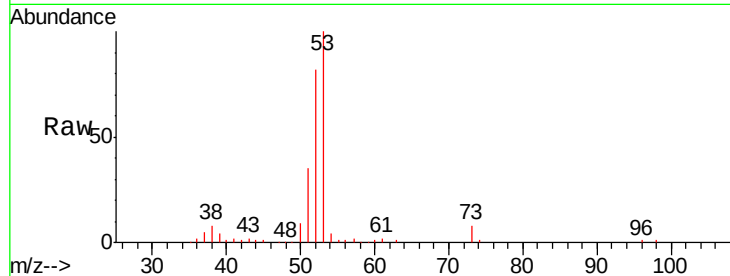
Tgt Ion: 53 Resp: 233077

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

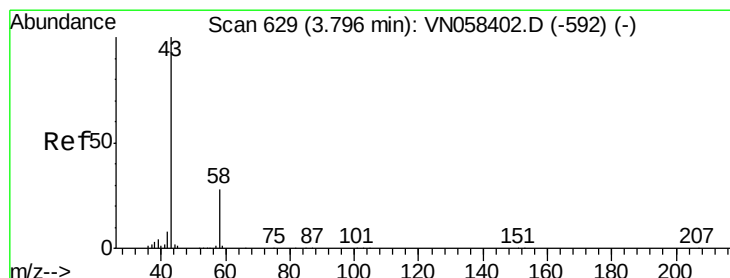
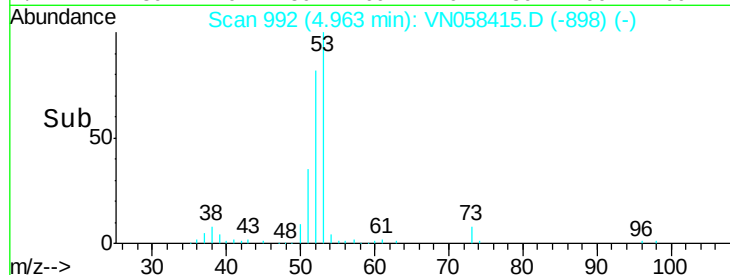
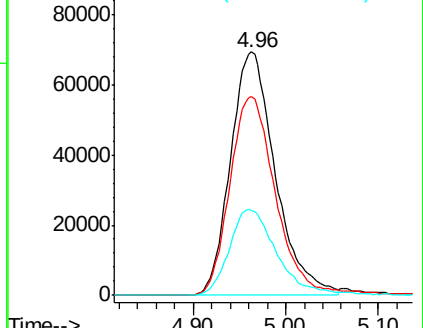
51 37.5 29.8 44.8



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: 94.968 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058415.D

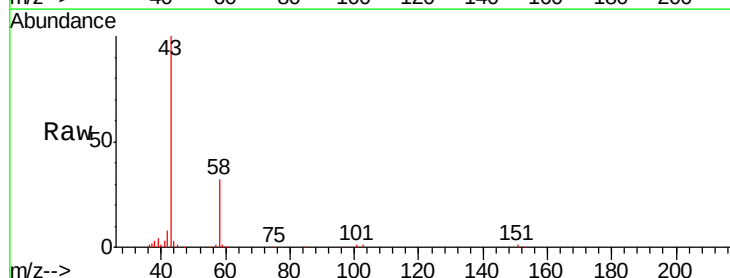
Acq: 27 Sep 2019 17:57

Tgt Ion: 43 Resp: 217248

Ion Ratio Lower Upper

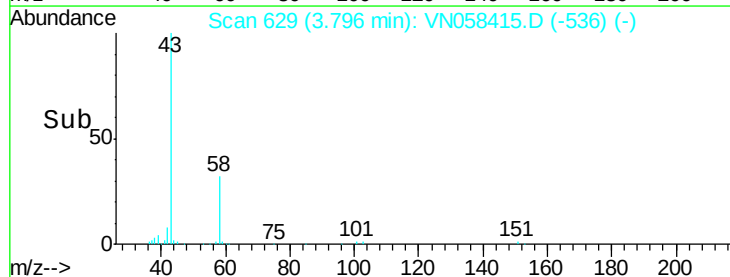
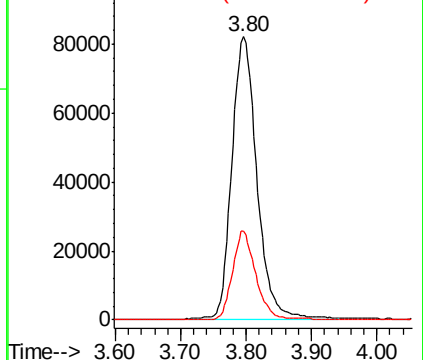
43 100

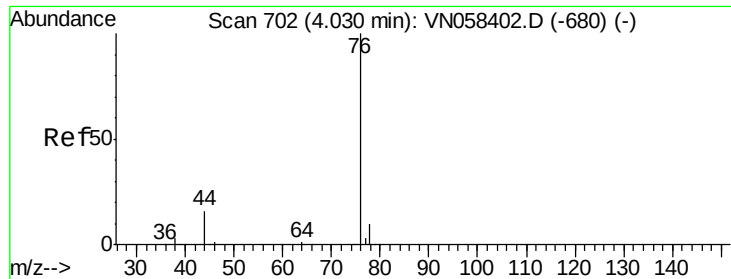
58 31.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

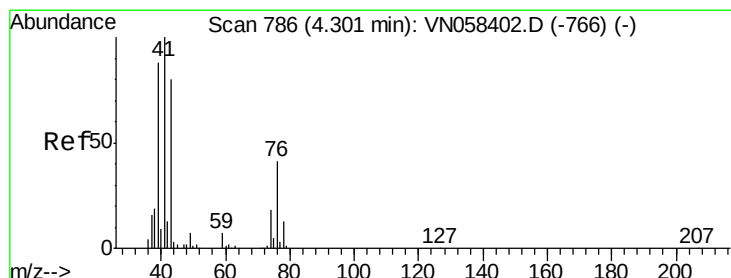
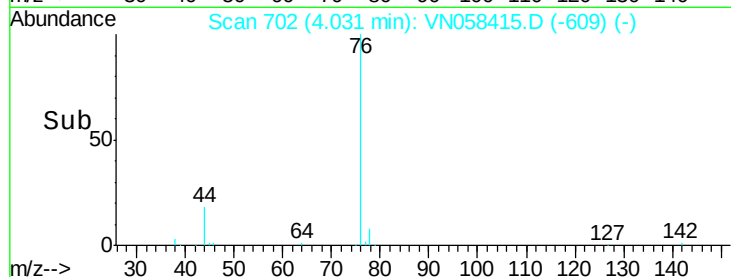
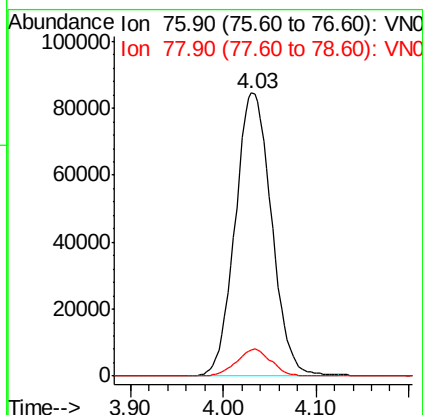
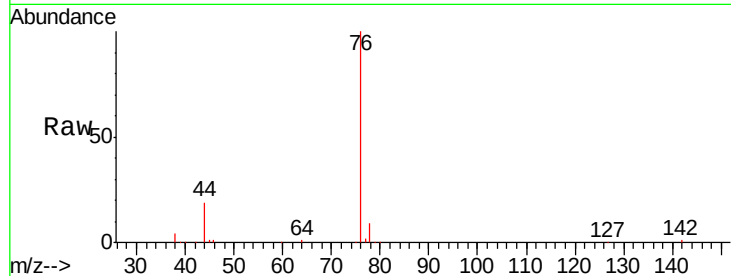




#17
Carbon Disulfide
Concen: 36.151 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

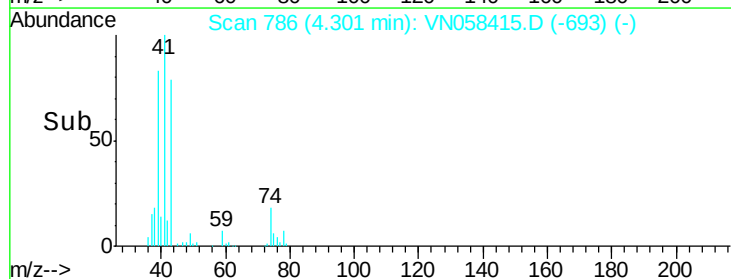
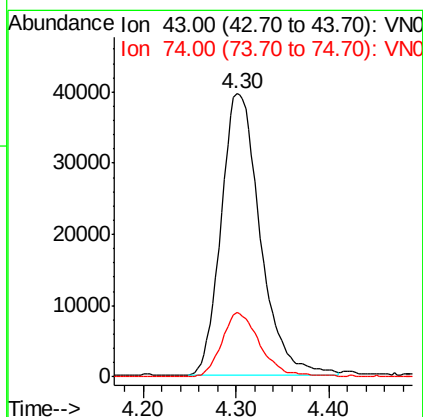
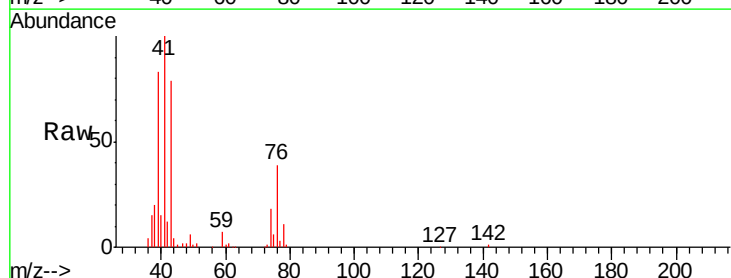
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

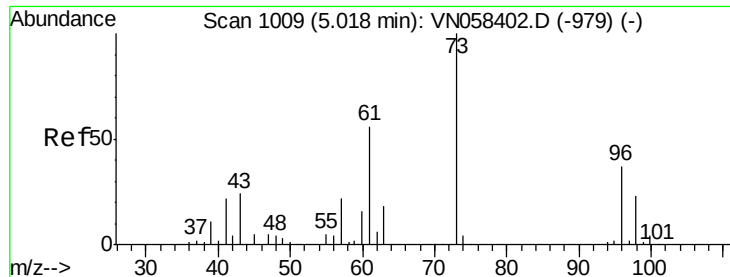
Tgt Ion: 76 Resp: 229933
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5



#18
Methyl Acetate
Concen: 19.499 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 43 Resp: 115310
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0



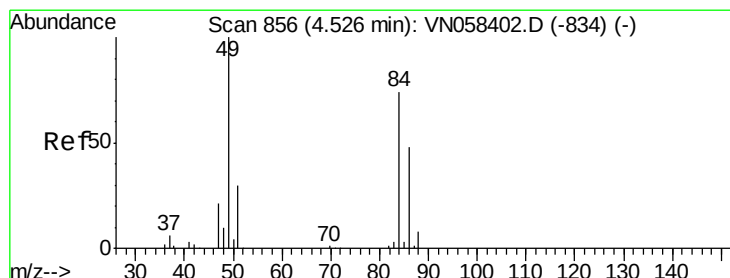
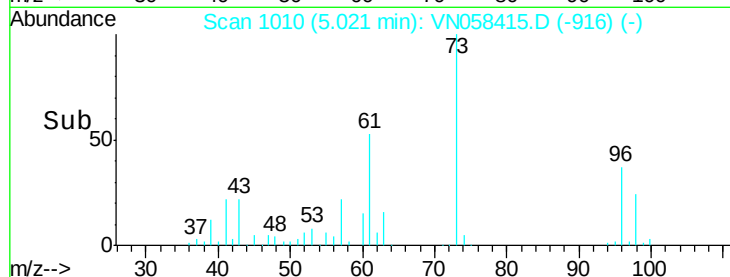
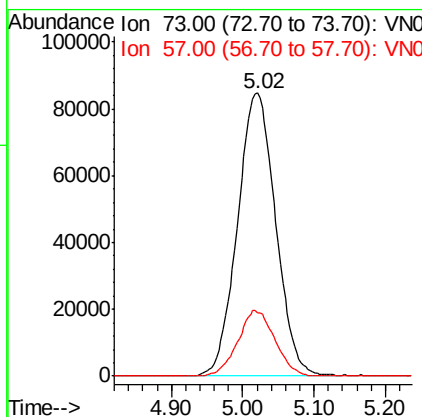
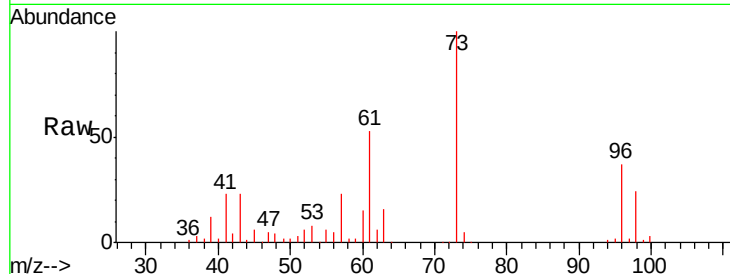


#19

Methyl tert-butyl Ether
 Concen: 21.383 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

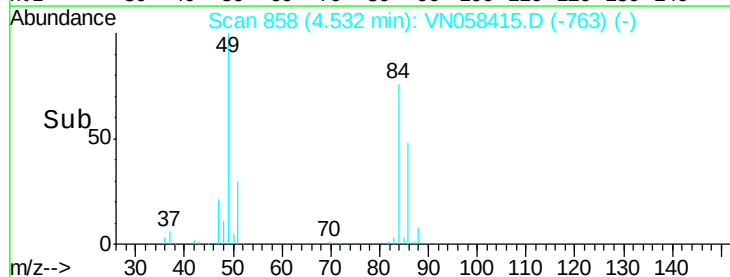
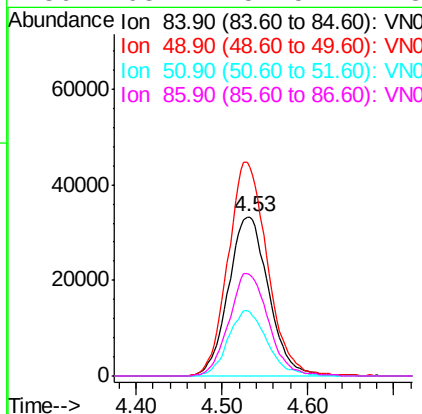
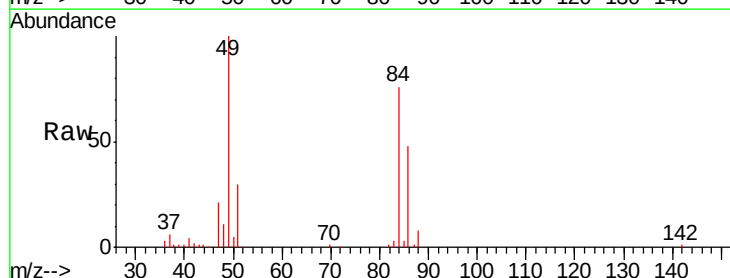
Tgt Ion: 73 Resp: 315312
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.6 26.4

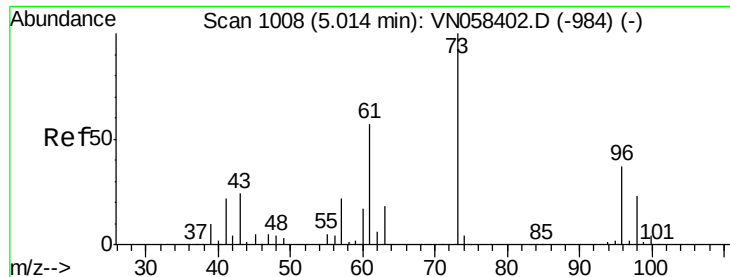


#20

Methylene Chloride
 Concen: 23.570 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 84 Resp: 107980
 Ion Ratio Lower Upper
 84 100
 49 130.9 107.9 161.9
 51 39.8 32.8 49.2
 86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 26.053 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

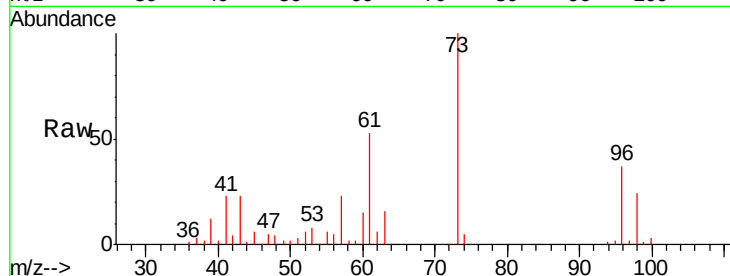
Tgt Ion: 96 Resp: 99536

Ion Ratio Lower Upper

96 100

61 142.9 121.9 182.9

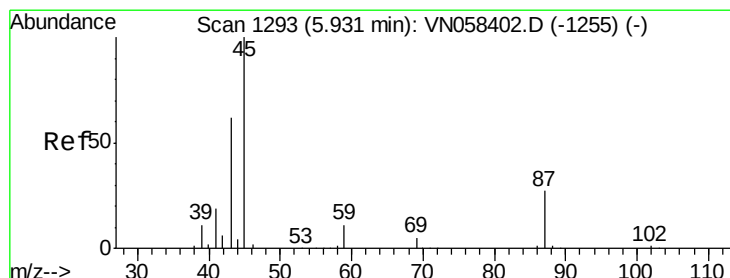
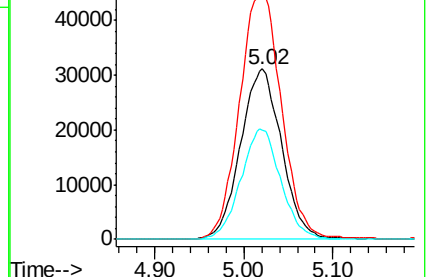
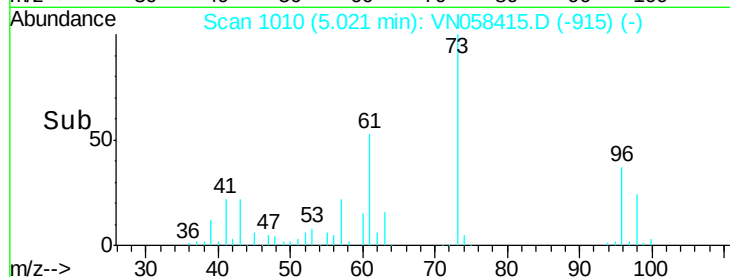
98 64.5 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VN058415.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN058415.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN058415.D (-915) (-)



#22

Diisopropyl ether

Concen: 21.482 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion: 45 Resp: 348531

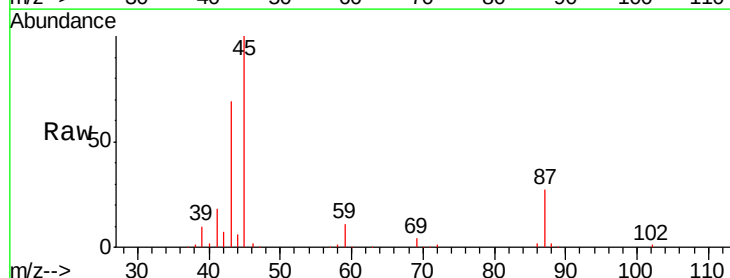
Ion Ratio Lower Upper

45 100

43 67.6 49.7 74.5

87 27.0 21.5 32.3

59 11.1 8.9 13.3

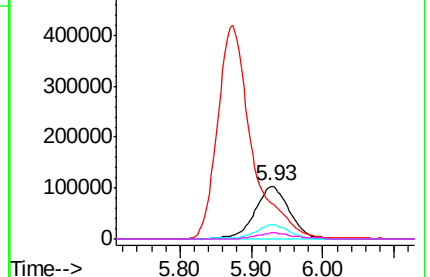
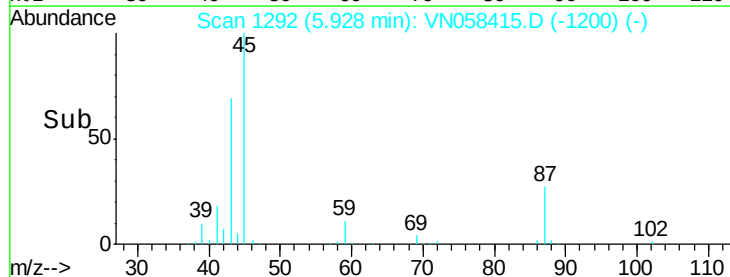


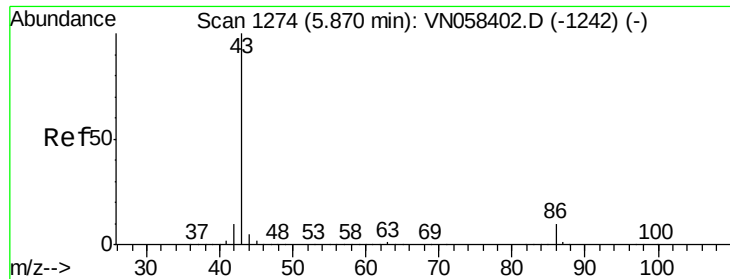
Abundance Ion 45.00 (44.70 to 45.70): VN058415.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058415.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058415.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058415.D (-1200) (-)





#23

Vinyl Acetate

Concen: 123.019 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

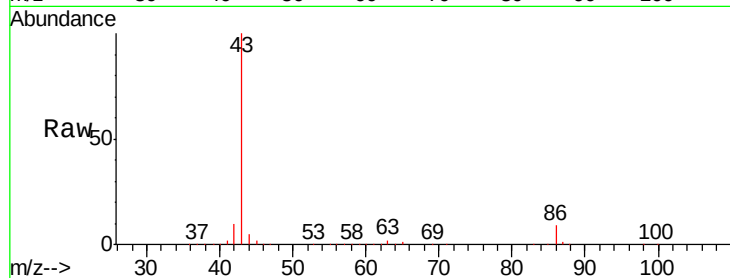
VN0927WBSD01

Tgt Ion: 43 Resp: 1403373

Ion Ratio Lower Upper

43 100

86 9.0 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

500000

400000

300000

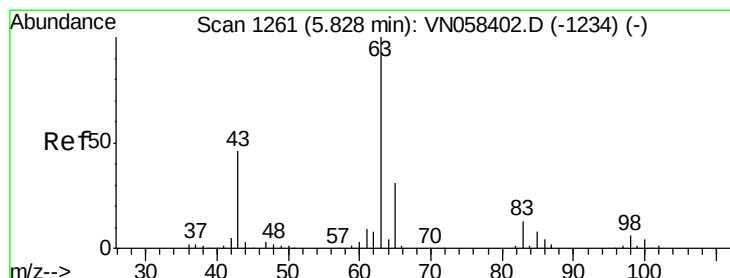
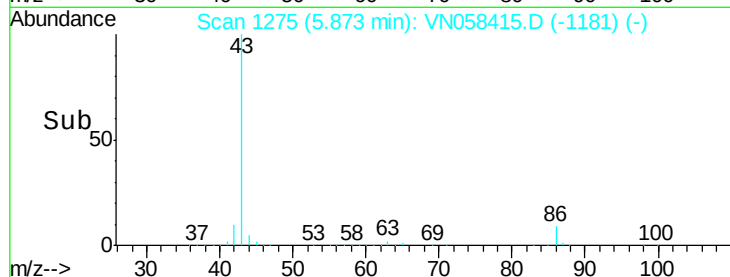
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 22.134 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

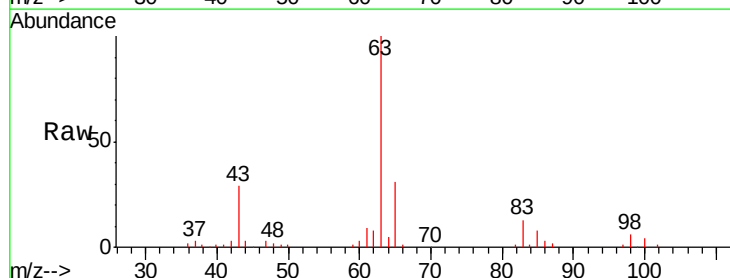
Tgt Ion: 63 Resp: 194850

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.0

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

60000

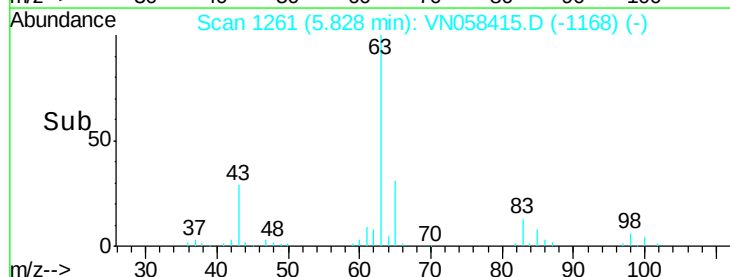
40000

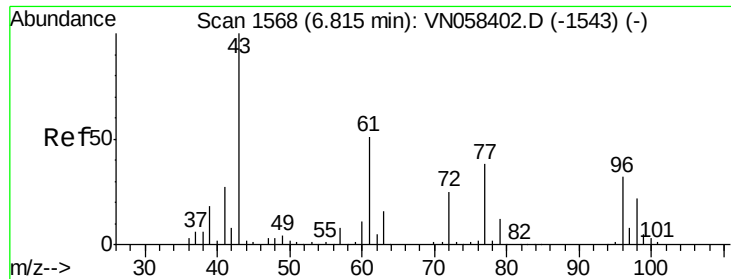
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 103.959 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

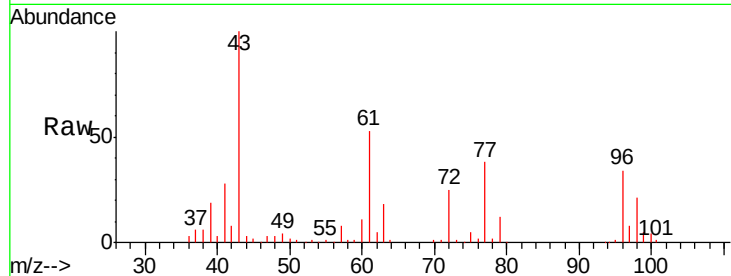
VN0927WBSD01

Tgt Ion: 43 Resp: 321363

Ion Ratio Lower Upper

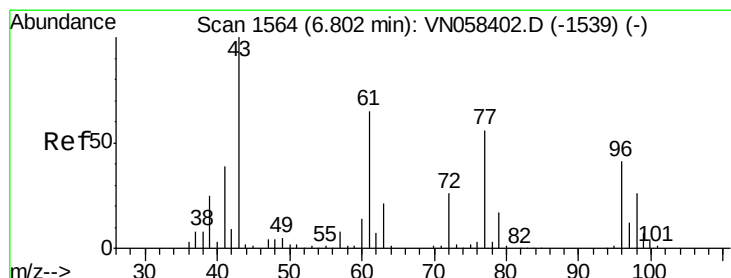
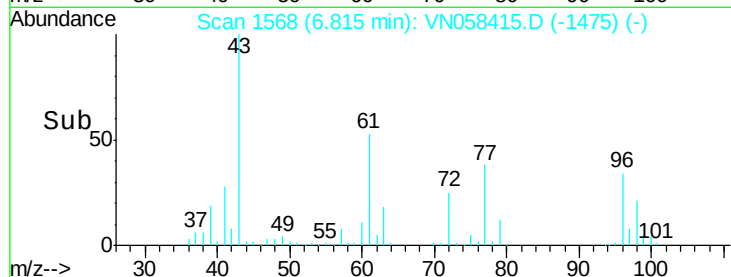
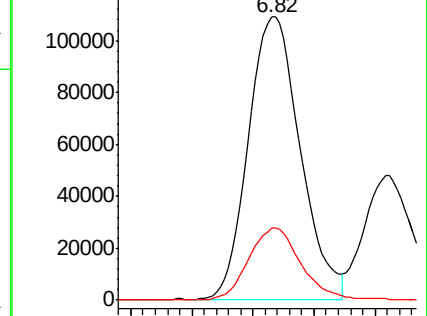
43 100

72 25.4 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.128 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058415.D

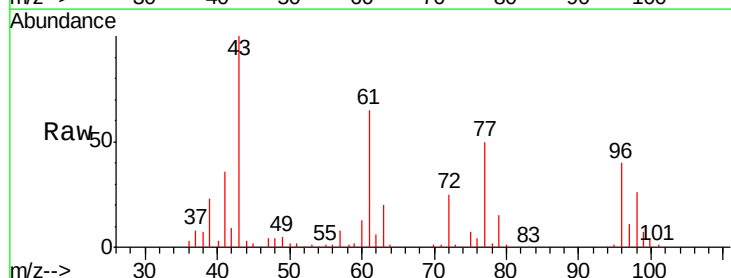
Acq: 27 Sep 2019 17:57

Tgt Ion: 77 Resp: 149876

Ion Ratio Lower Upper

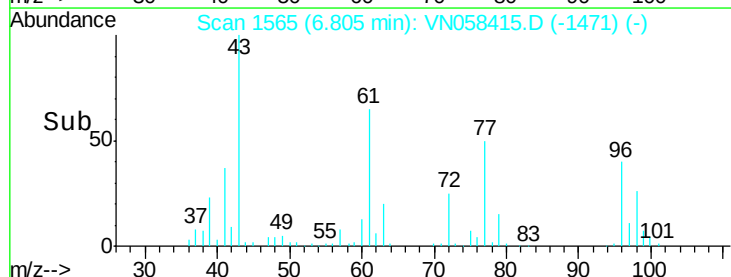
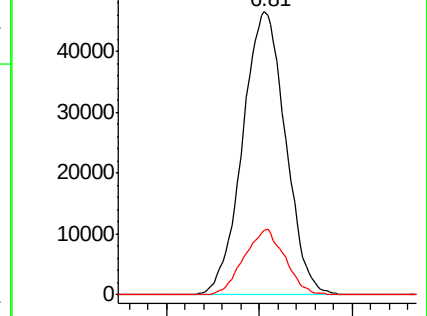
77 100

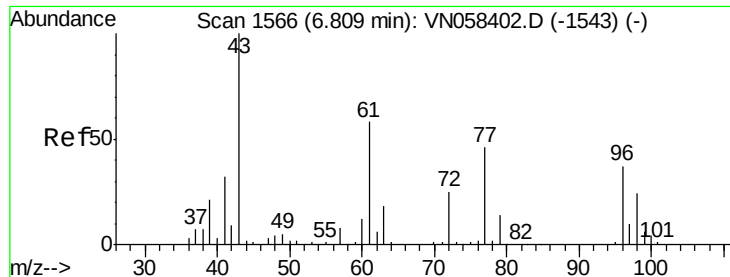
97 22.0 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 22.671 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

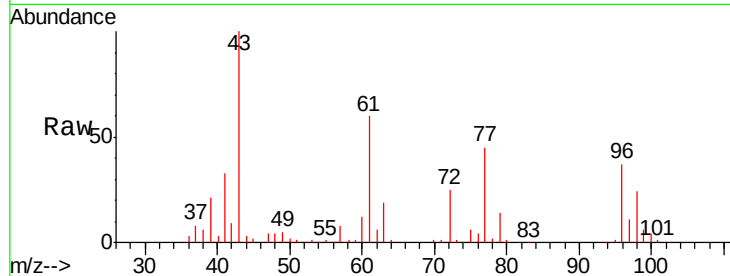
Tgt Ion: 96 Resp: 113538

Ion Ratio Lower Upper

96 100

61 159.8 0.0 318.8

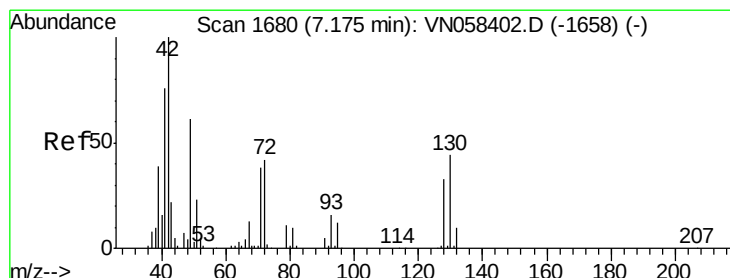
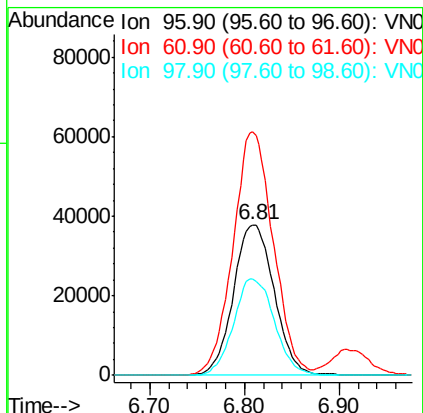
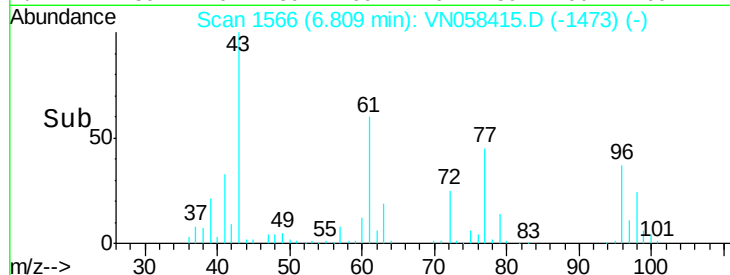
98 64.3 0.0 129.8



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: 20.551 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

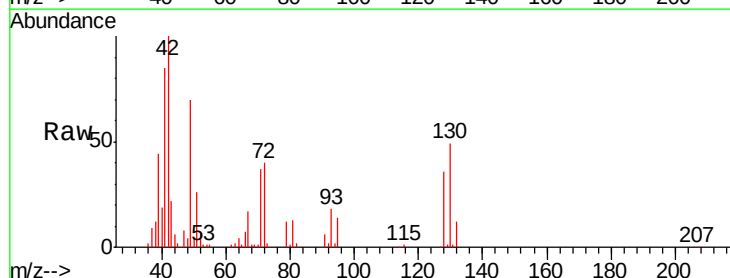
Tgt Ion: 49 Resp: 82129

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

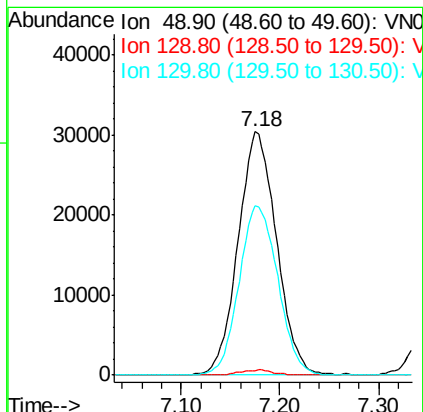
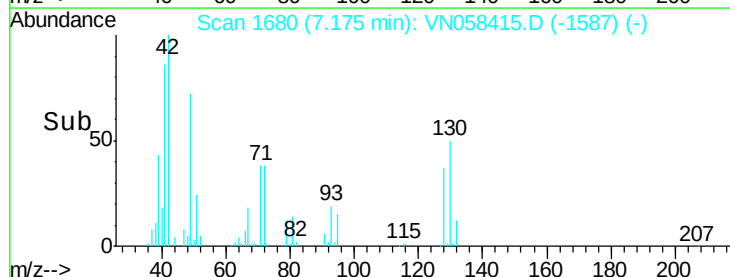
130 70.2 56.3 84.5

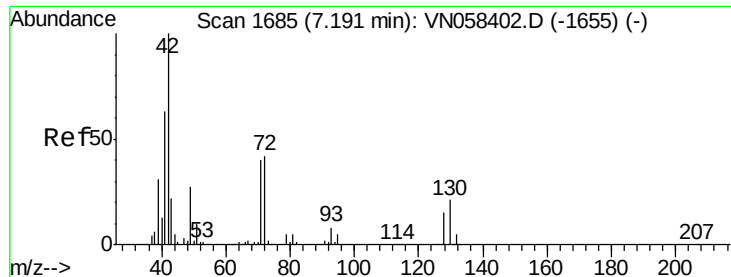


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

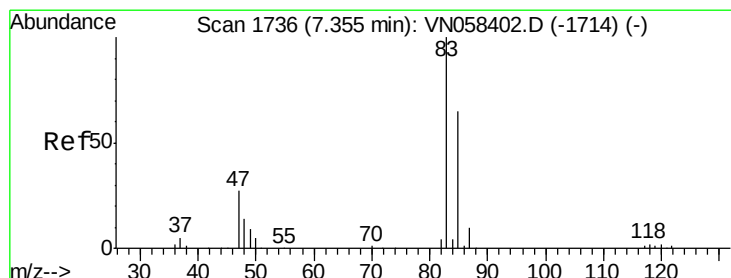
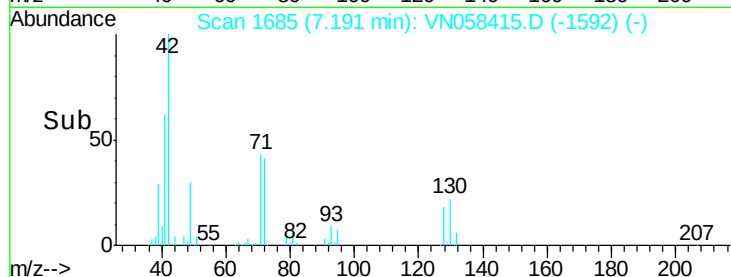
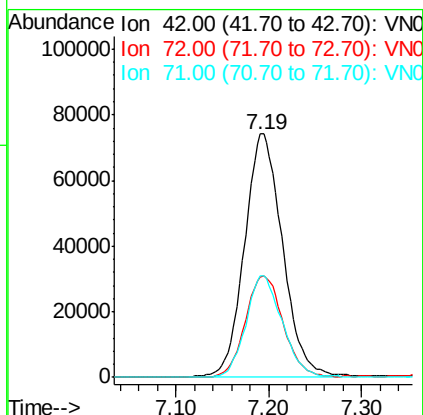
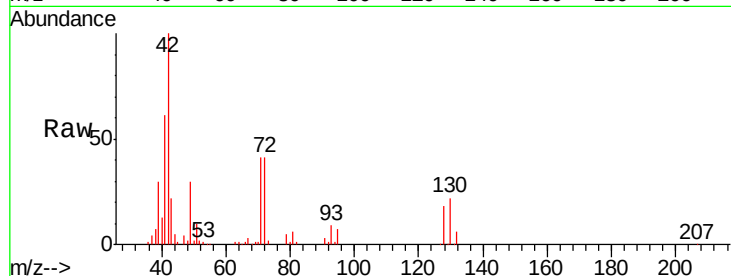




#29
Tetrahydrofuran
Concen: 109.191 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

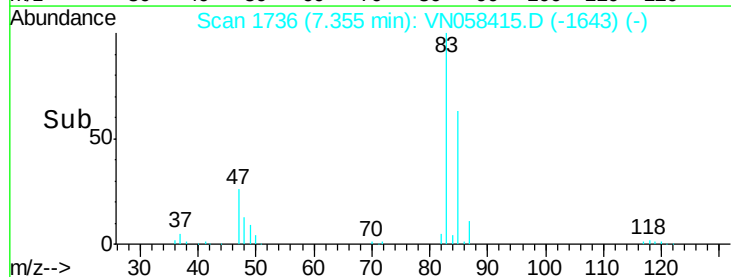
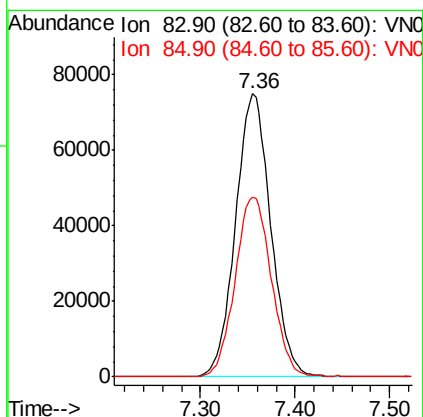
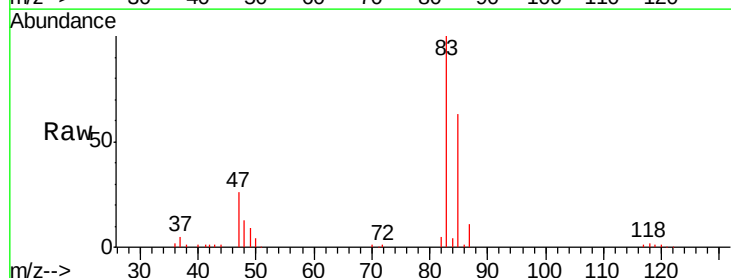
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

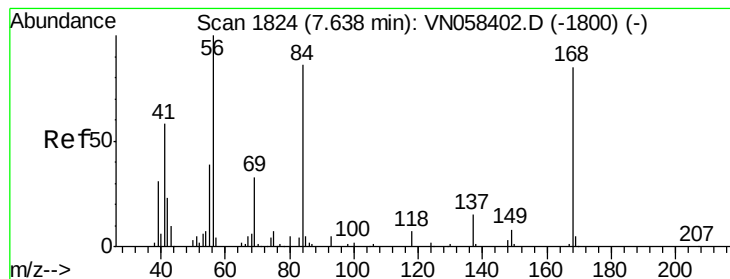
Tgt Ion: 42 Resp: 210076
Ion Ratio Lower Upper
42 100
72 41.9 33.7 50.5
71 40.4 31.8 47.6



#30
Chloroform
Concen: 20.739 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 83 Resp: 194066
Ion Ratio Lower Upper
83 100
85 63.5 52.0 78.0





#31

Cyclohexane

Concen: 26.989 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

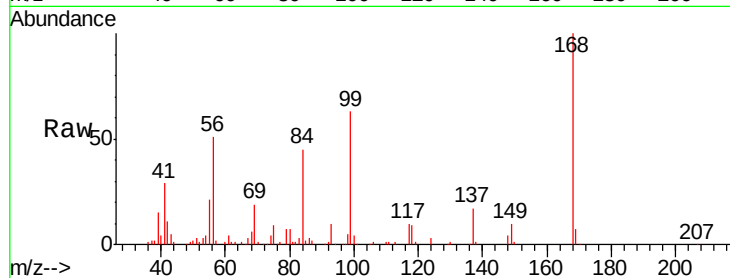
Tgt Ion: 56 Resp: 190583

Ion Ratio Lower Upper

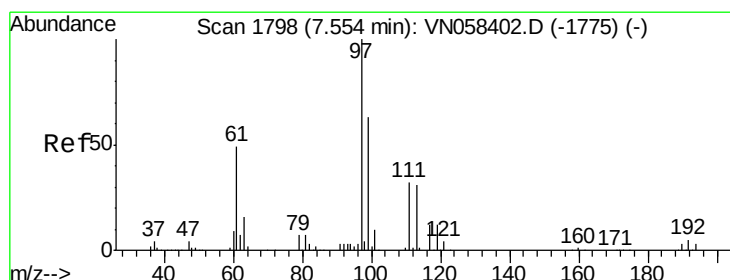
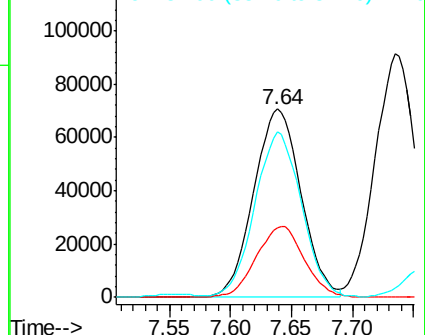
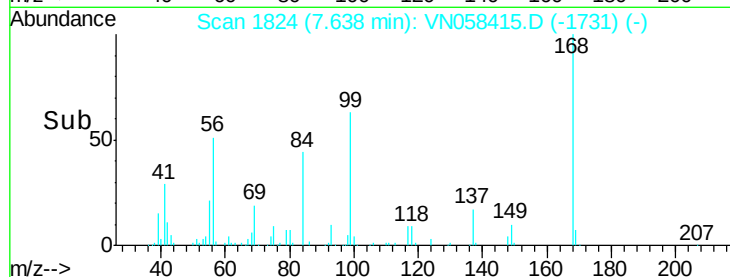
56 100

69 37.1 26.2 39.4

84 86.5 67.6 101.4



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: 22.810 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

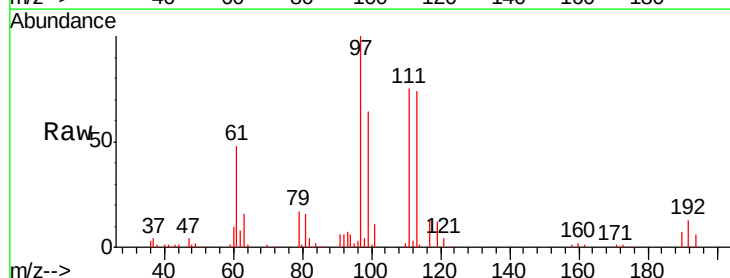
Tgt Ion: 97 Resp: 164585

Ion Ratio Lower Upper

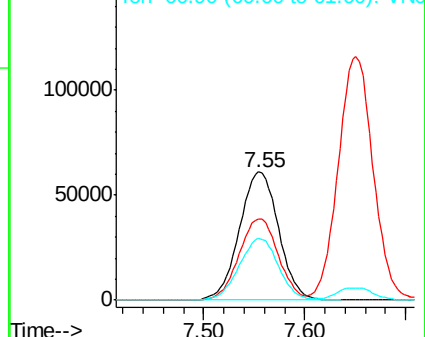
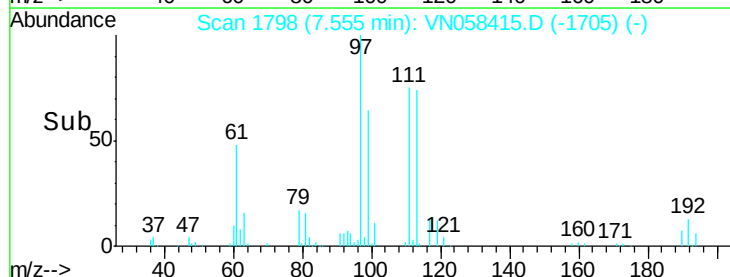
97 100

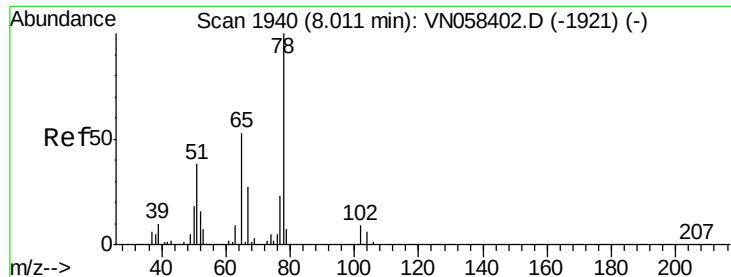
99 63.7 51.1 76.7

61 48.1 39.2 58.8



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

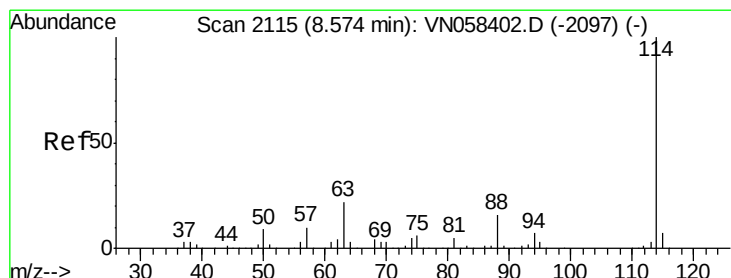
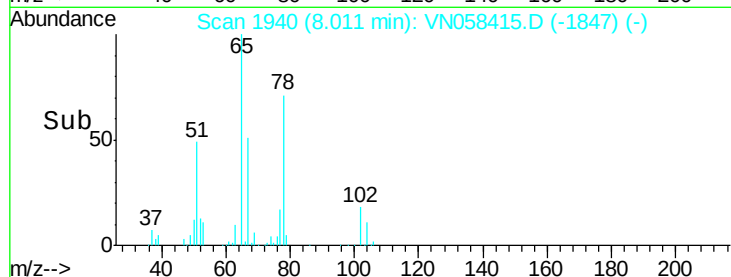
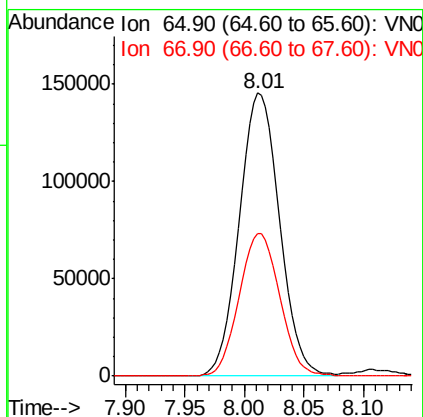
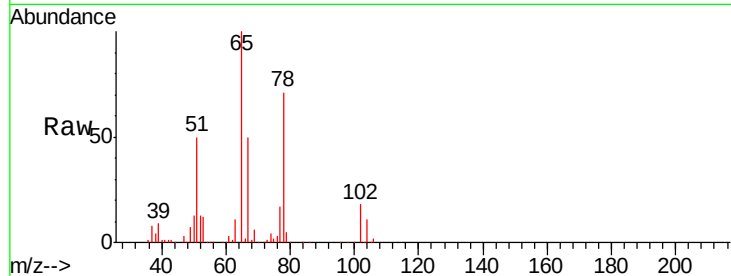




#33
 1,2-Dichloroethane-d4
 Concen: 51.464 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

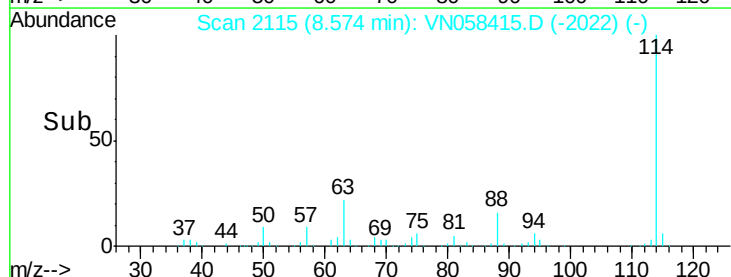
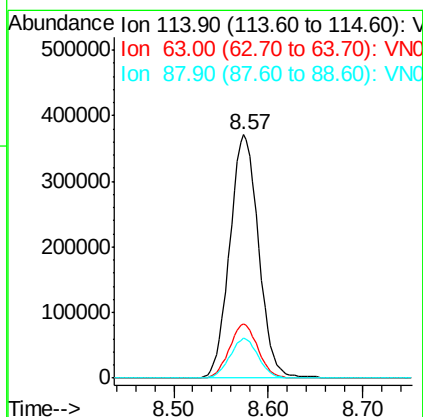
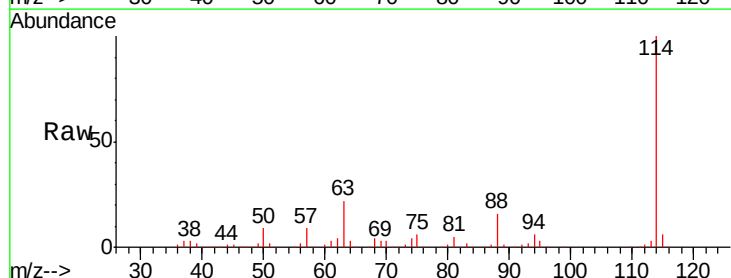
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

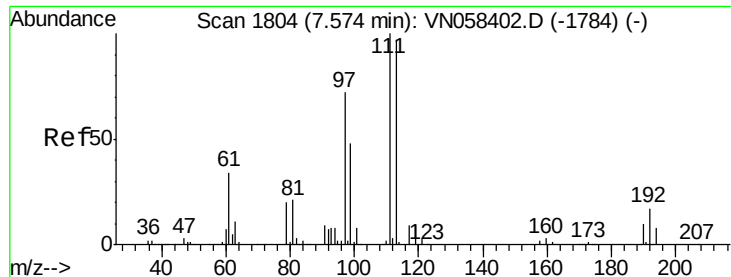
Tgt Ion: 65 Resp: 341904
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 114 Resp: 785365
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.511 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD01

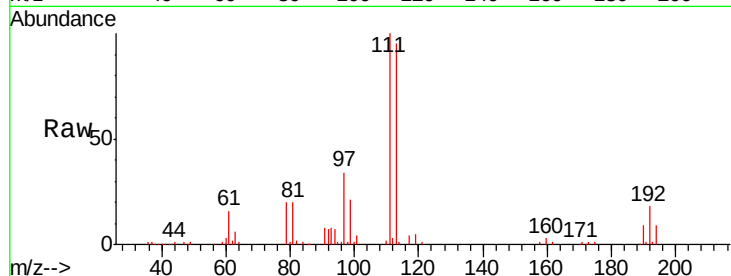
Tgt Ion:113 Resp: 241400

Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.2

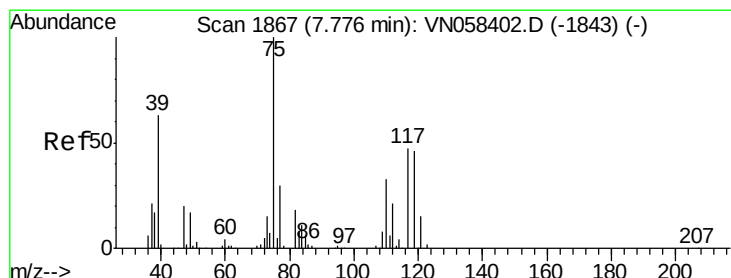
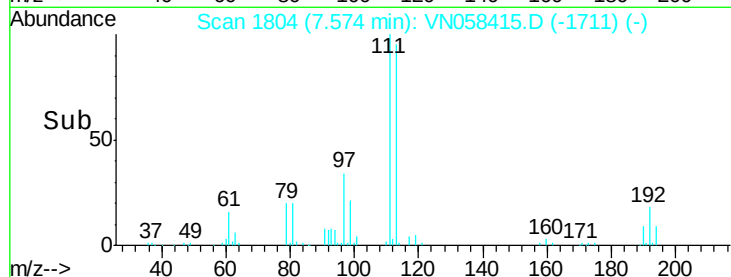
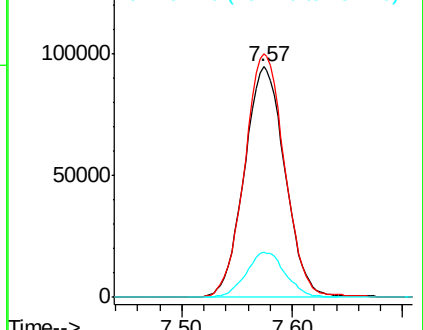
192 19.1 14.9 22.3



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: 24.810 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

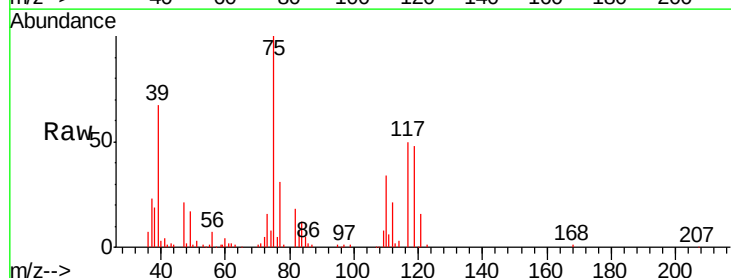
Tgt Ion: 75 Resp: 150573

Ion Ratio Lower Upper

75 100

110 33.4 16.4 49.2

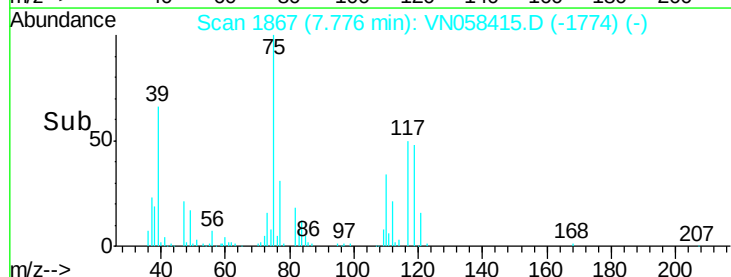
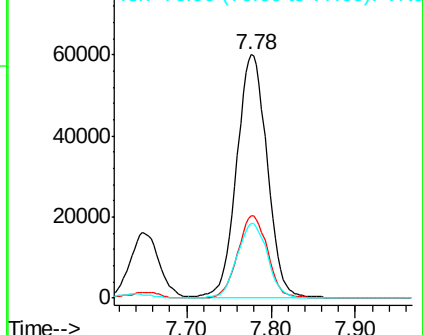
77 30.6 24.3 36.5

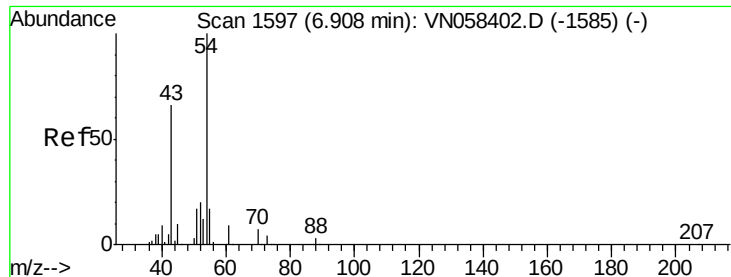


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

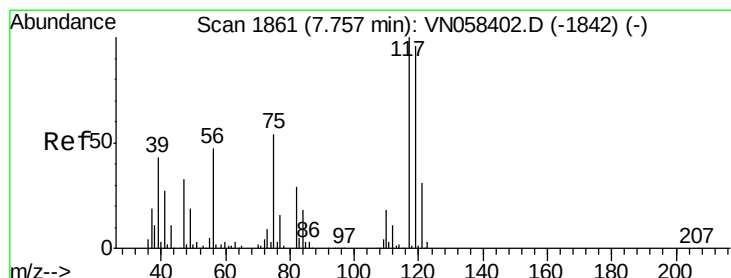
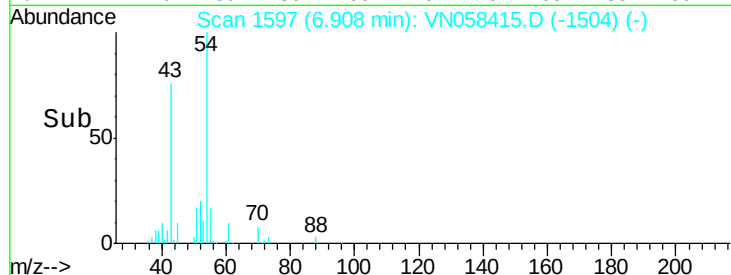
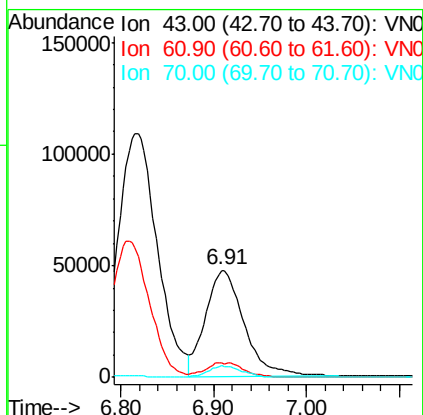
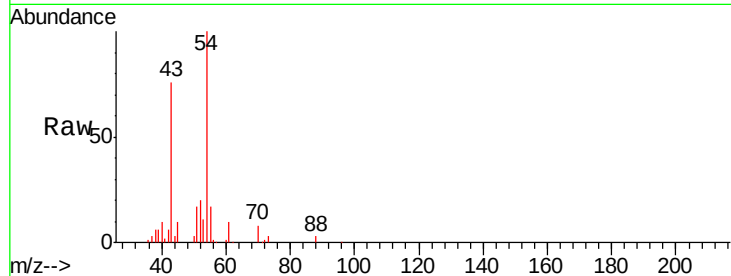




#37
 Ethyl Acetate
 Concen: 22.677 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

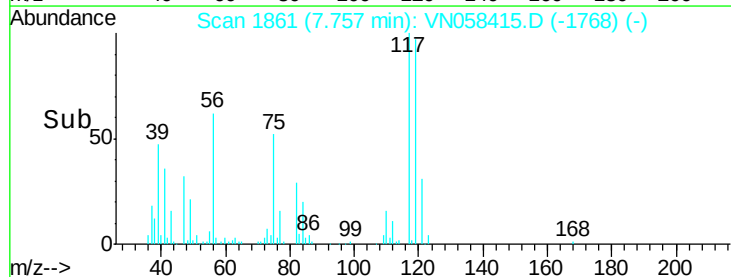
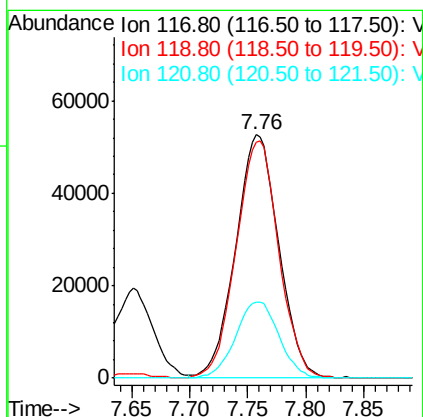
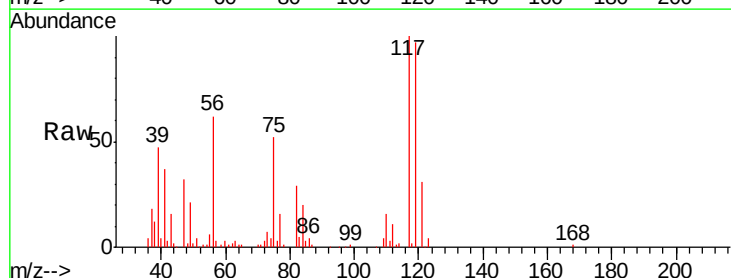
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

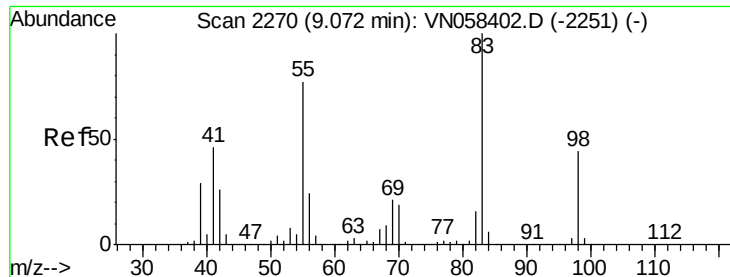
Tgt Ion: 43 Resp: 136469
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.5 15.7
 70 9.6 7.8 11.6



#38
 Carbon Tetrachloride
 Concen: 22.640 ug/l
 RT: 7.76 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 117 Resp: 134954
 Ion Ratio Lower Upper
 117 100
 119 97.2 76.6 115.0
 121 31.1 24.7 37.1

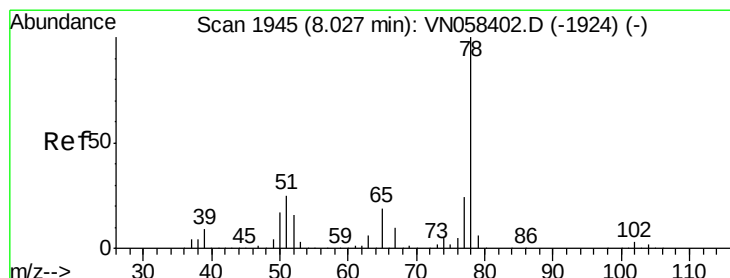
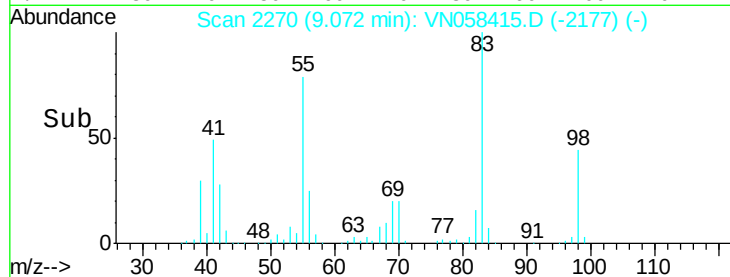
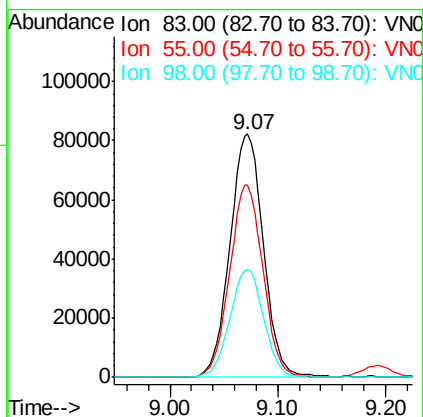
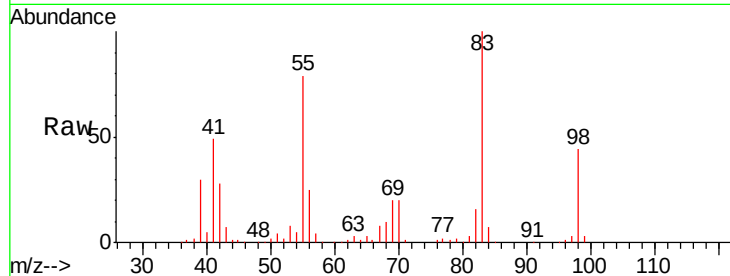




#39
Methylcyclohexane
Concen: 27.154 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

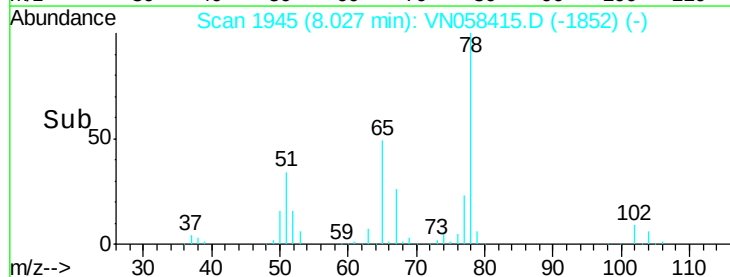
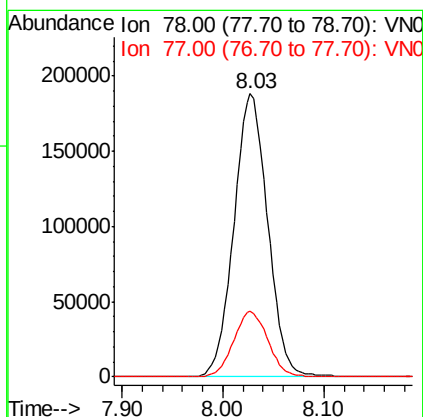
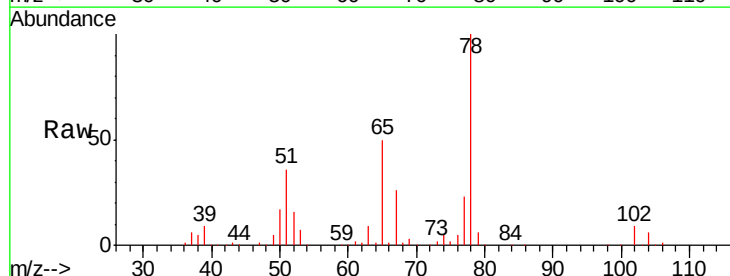
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

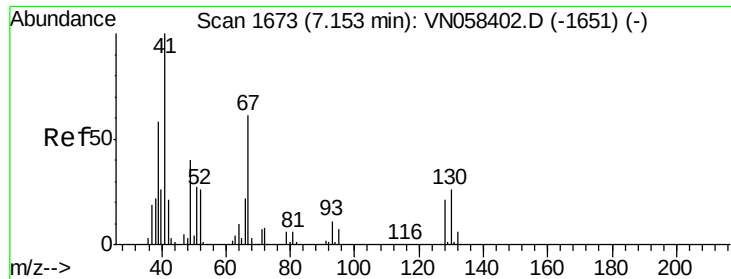
Tgt Ion: 83 Resp: 178027
Ion Ratio Lower Upper
83 100
55 78.9 61.8 92.6
98 44.3 35.4 53.0



#40
Benzene
Concen: 24.027 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 78 Resp: 437364
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3

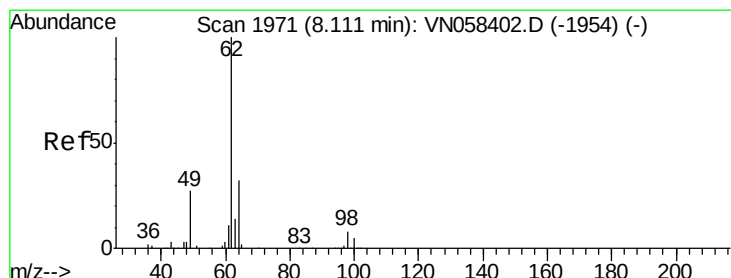
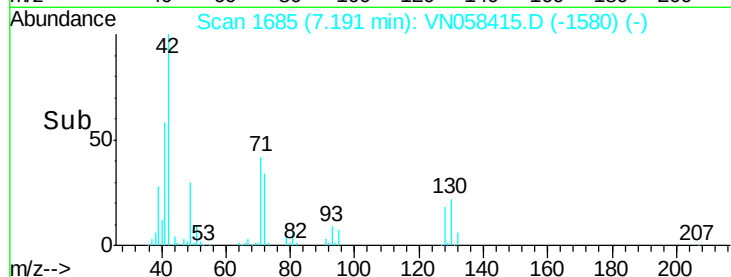
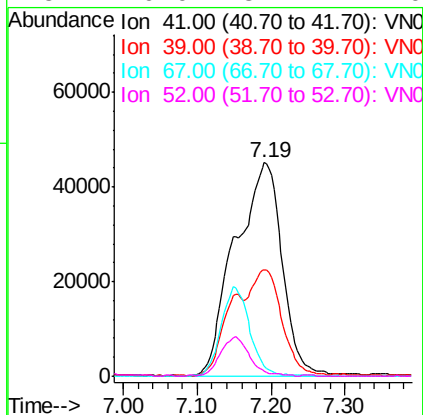
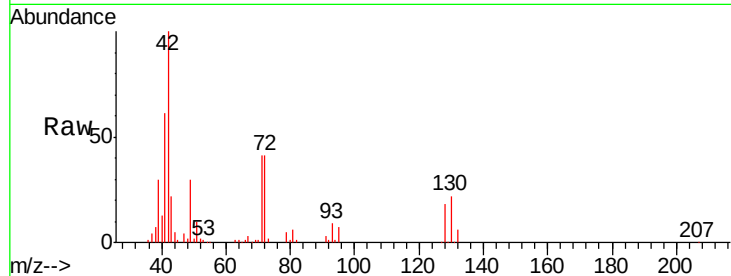




#41
Methacrylonitrile
Concen: 70.589 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

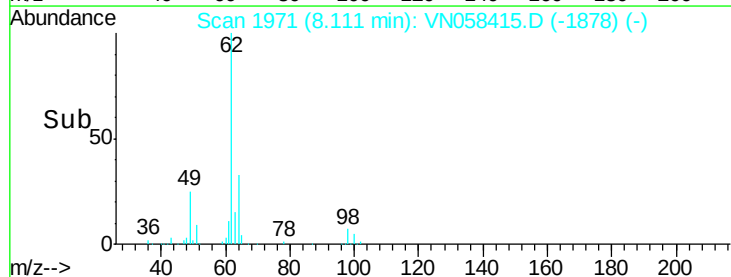
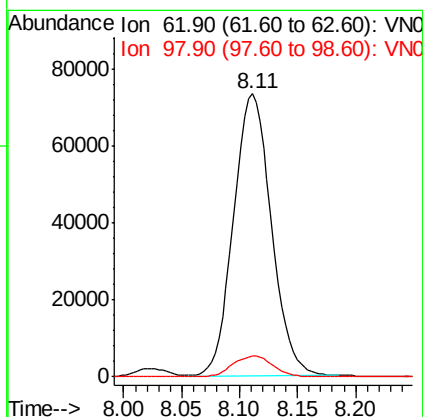
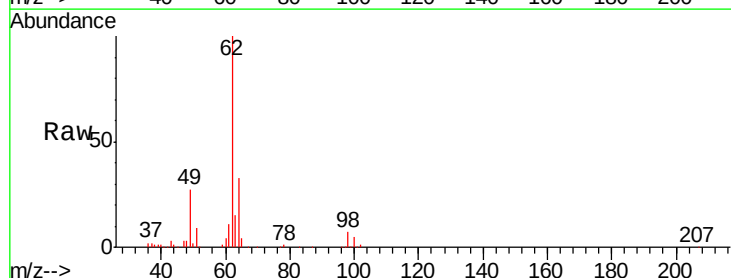
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

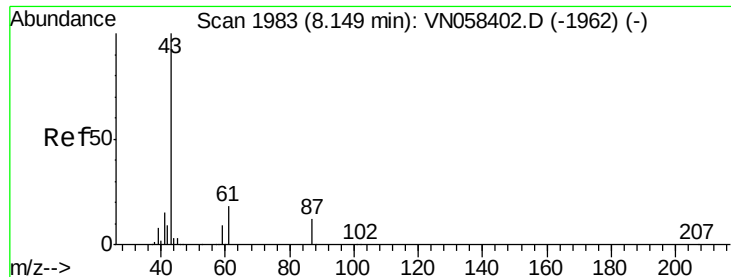
Tgt Ion: 41 Resp: 200681
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 0.0 70.2 105.4#
52 0.0 31.4 47.0#



#42
1,2-Dichloroethane
Concen: 22.265 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 62 Resp: 166898
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.6





#43

Isopropyl Acetate

Concen: 20.447 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

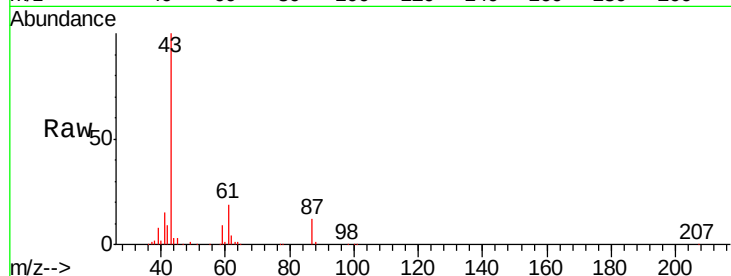
Tgt Ion: 43 Resp: 228544

Ion Ratio Lower Upper

43 100

61 19.3 14.8 22.2

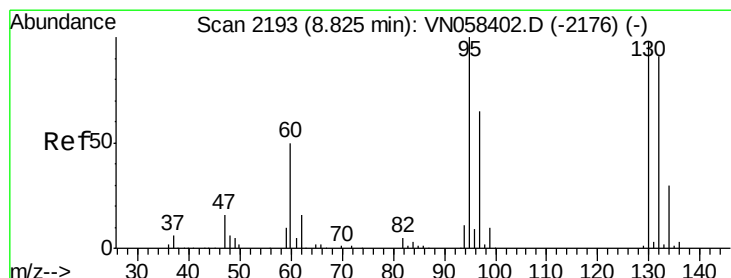
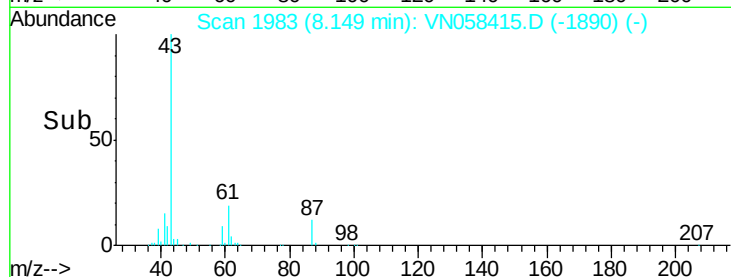
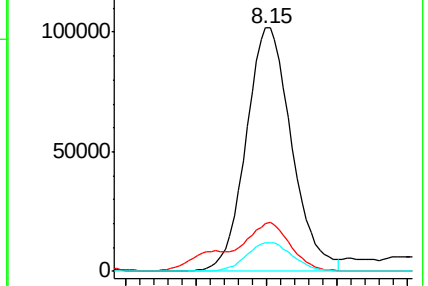
87 12.0 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058415.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058415.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058415.D (-1890) (-)



#44

Trichloroethene

Concen: 23.979 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058415.D

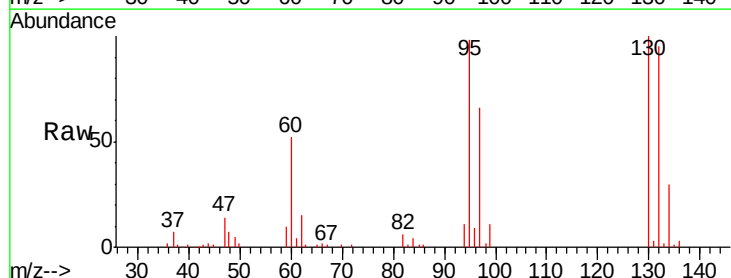
Acq: 27 Sep 2019 17:57

Tgt Ion: 130 Resp: 107018

Ion Ratio Lower Upper

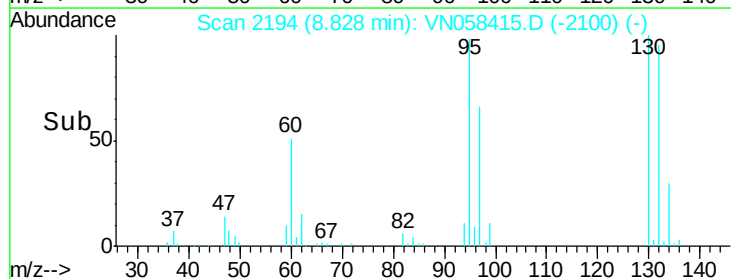
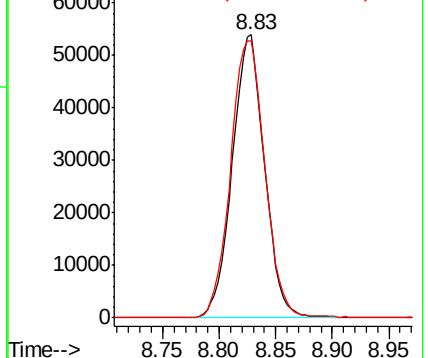
130 100

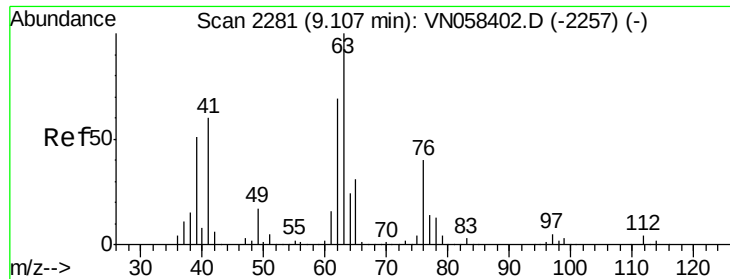
95 97.8 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058415.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058415.D (-2100) (-)

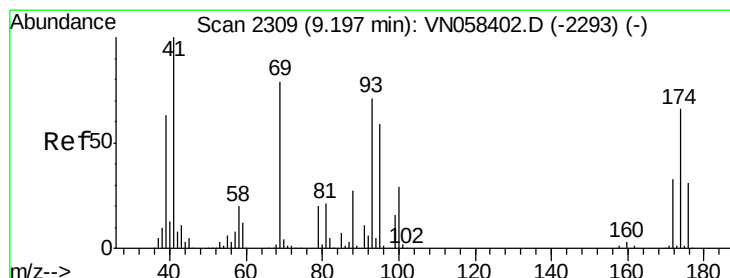
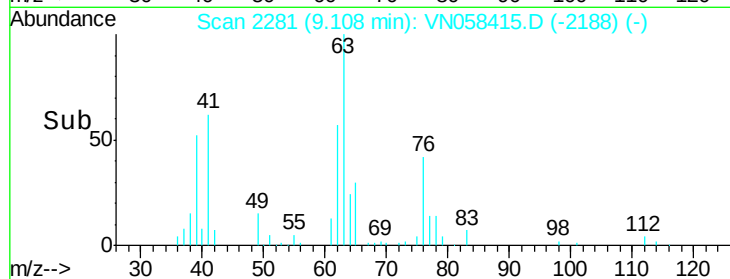
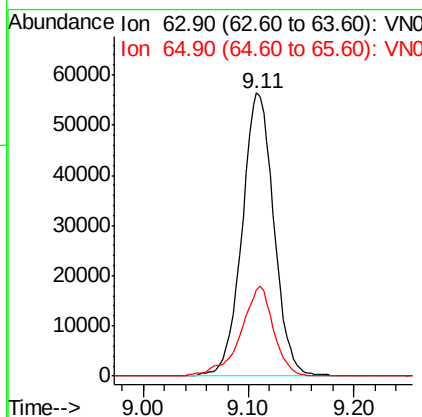
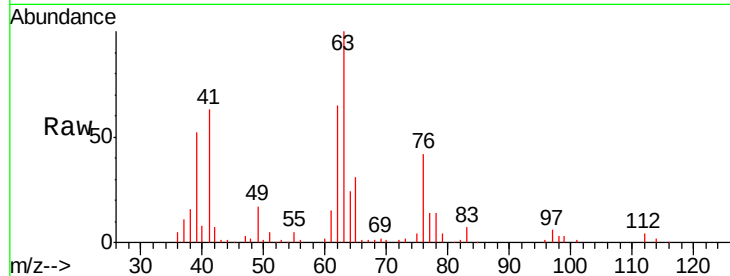




#45
 1,2-Dichloropropane
 Concen: 22.297 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

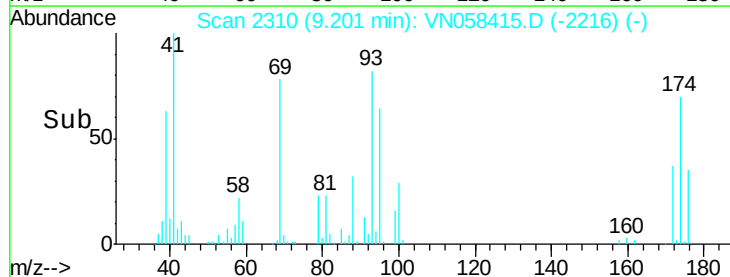
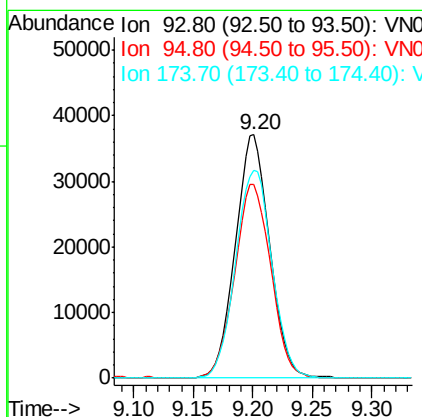
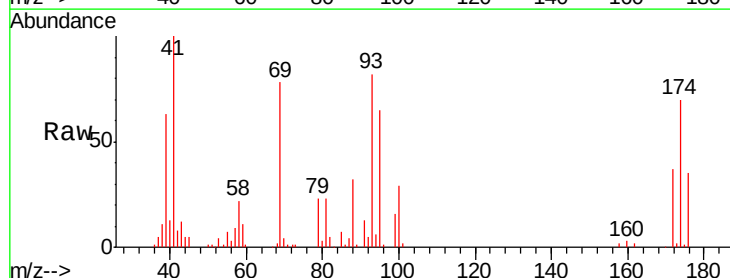
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

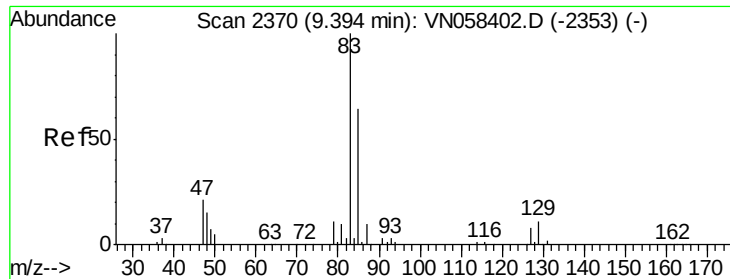
Tgt Ion: 63 Resp: 118123
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 22.899 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 93 Resp: 74360
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.4
 174 90.4 74.2 111.2





#47

Bromodichloromethane

Concen: 20.969 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

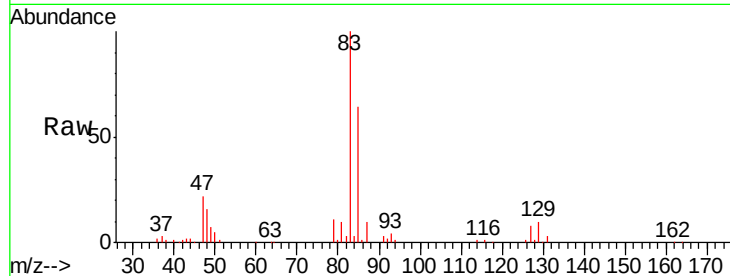
Tgt Ion: 83 Resp: 140153

Ion Ratio Lower Upper

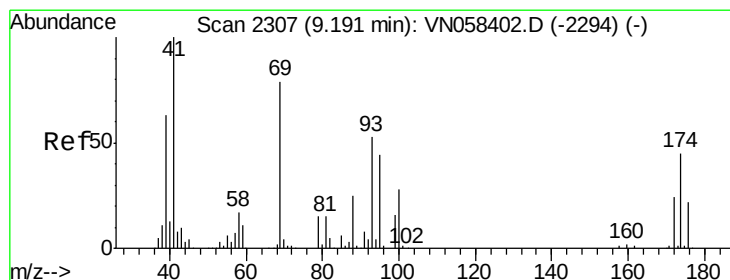
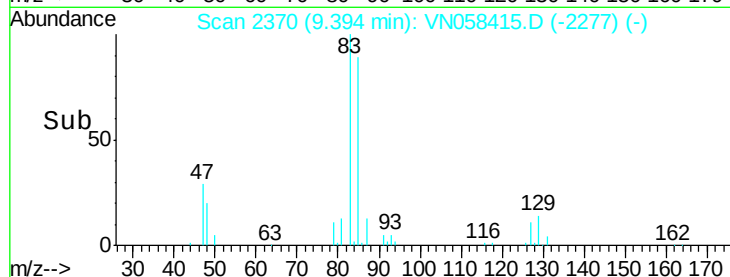
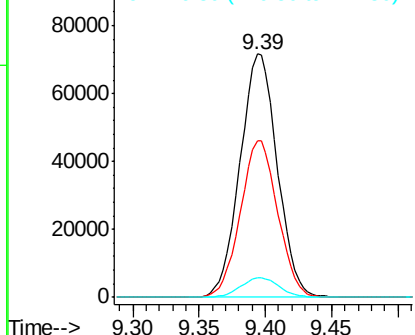
83 100

85 64.4 51.2 76.8

127 8.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.549 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

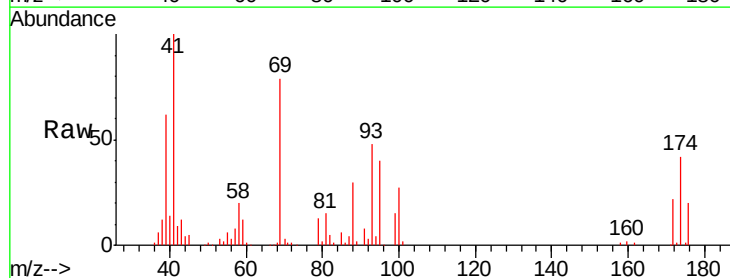
Tgt Ion: 41 Resp: 109220

Ion Ratio Lower Upper

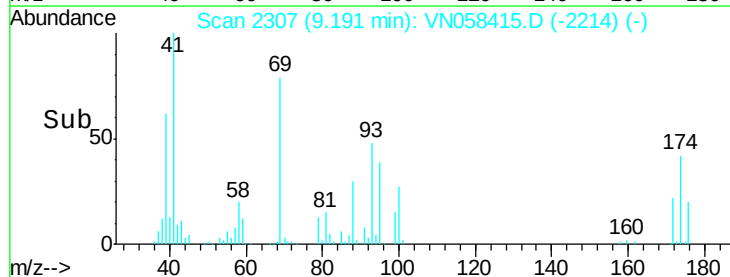
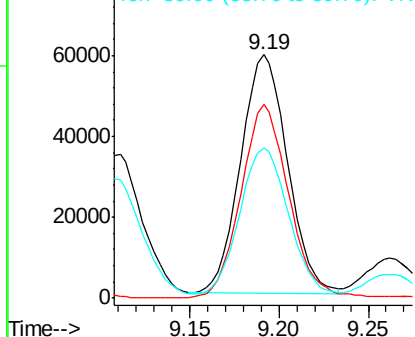
41 100

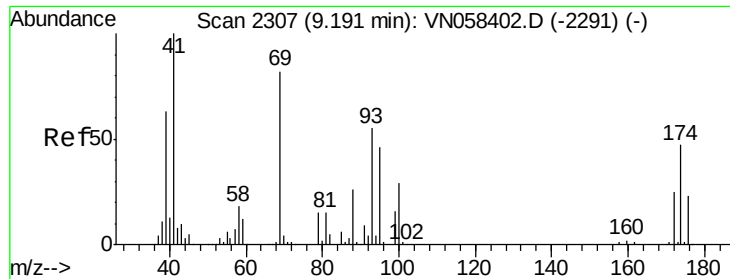
69 82.7 64.7 97.1

39 63.7 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

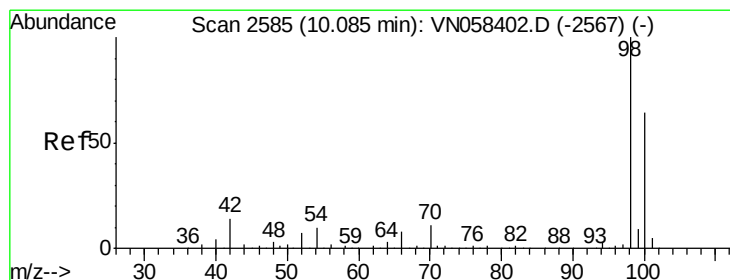
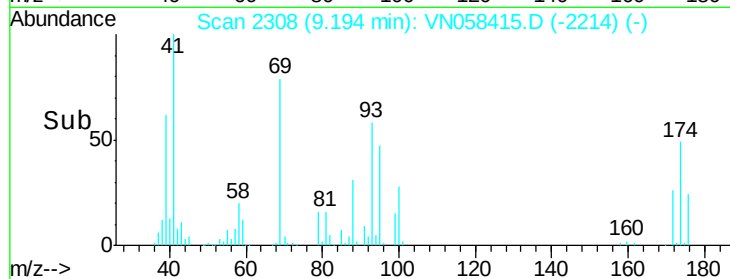
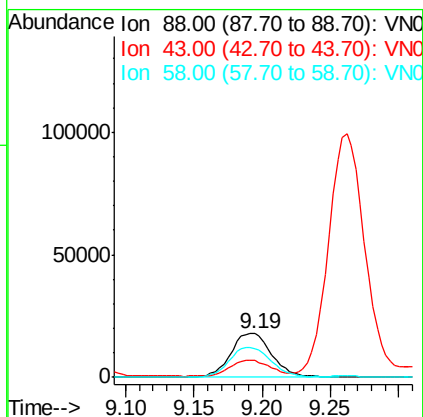
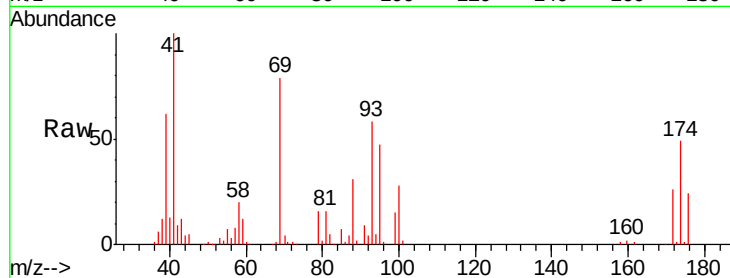




#49
 1,4-Dioxane
 Concen: 468.545 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

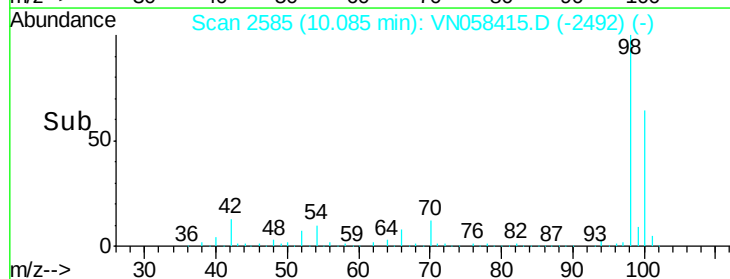
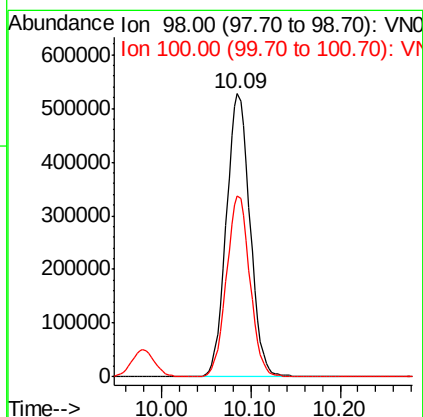
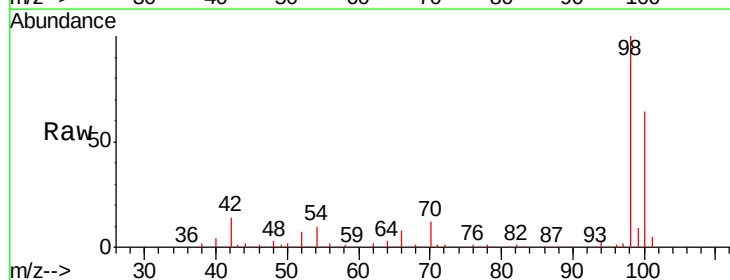
Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBSD01

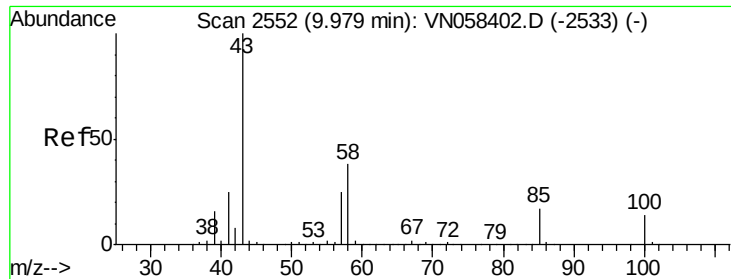
Tgt Ion: 88 Resp: 37677
 Ion Ratio Lower Upper
 88 100
 43 35.6 31.1 46.7
 58 70.0 58.1 87.1



#50
 Toluene-d8
 Concen: 52.246 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 98 Resp: 970321
 Ion Ratio Lower Upper
 98 100
 100 63.1 51.0 76.6

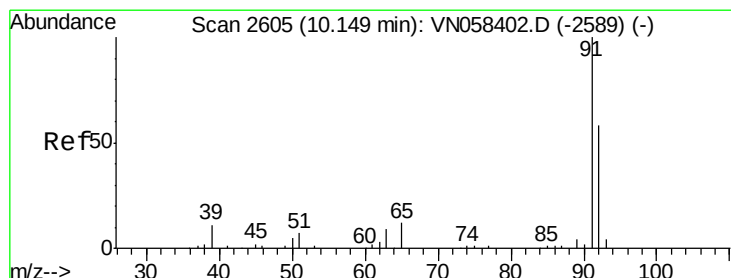
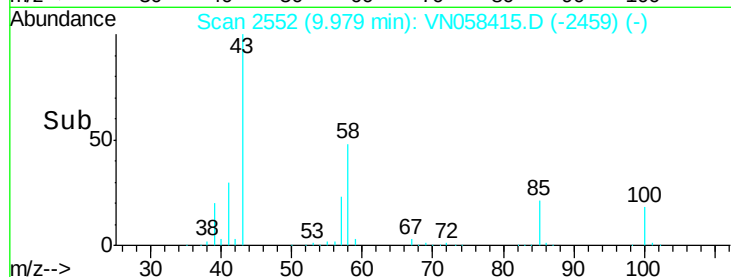
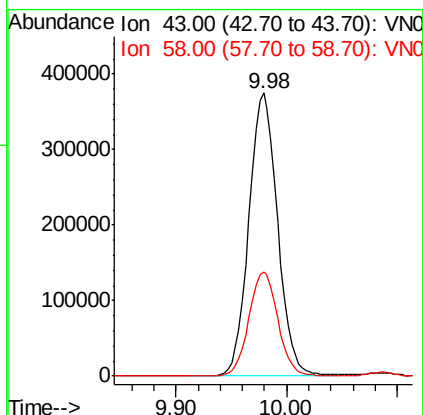
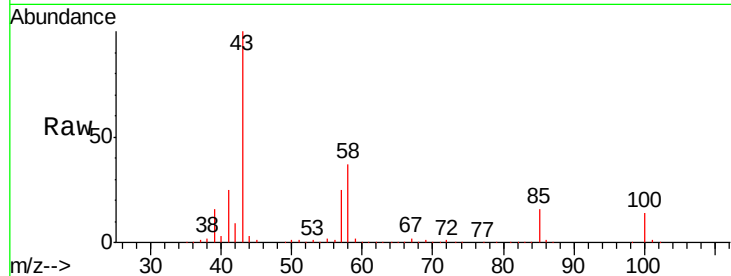




#51
4-Methyl-2-Pentanone
Concen: 115.059 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

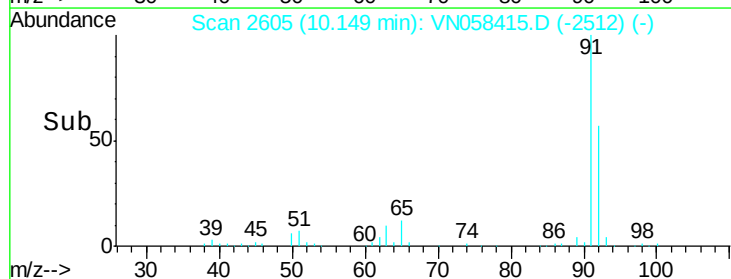
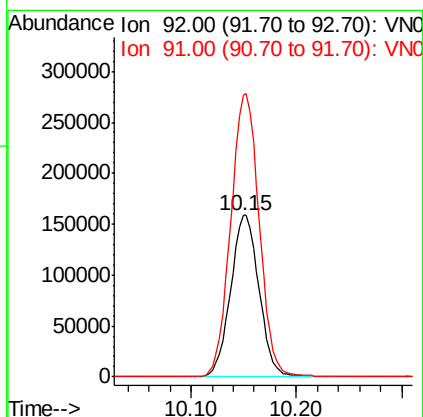
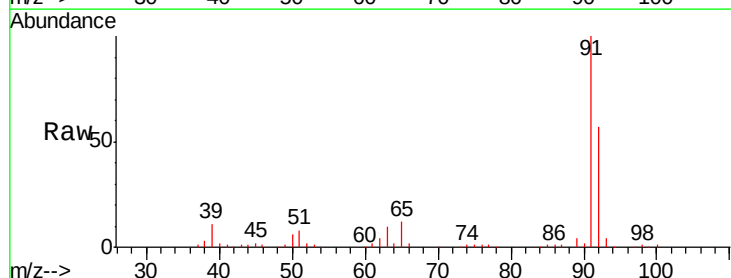
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

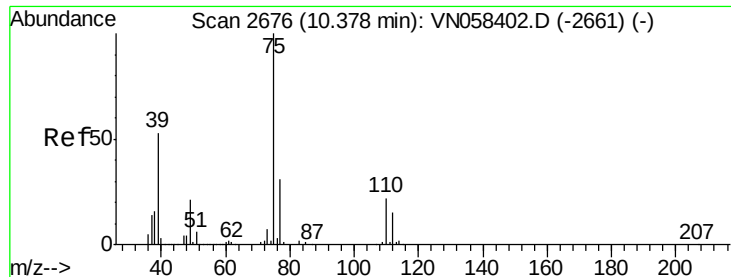
Tgt Ion: 43 Resp: 675629
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.2



#52
Toluene
Concen: 26.047 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 92 Resp: 295041
Ion Ratio Lower Upper
92 100
91 176.4 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 21.980 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

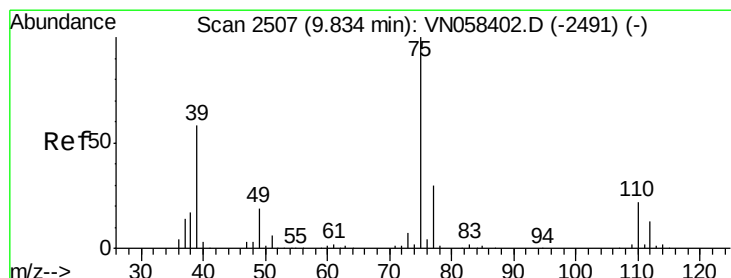
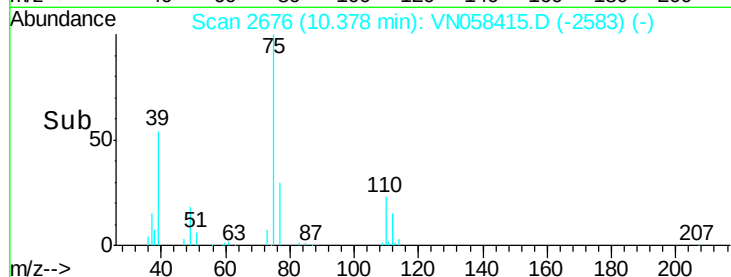
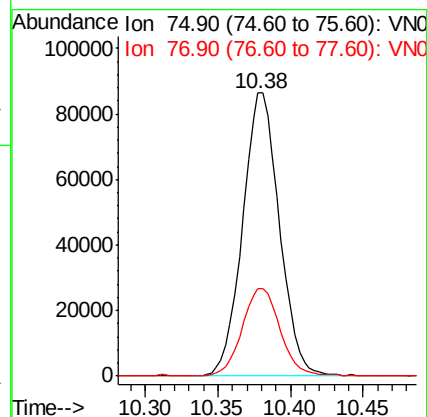
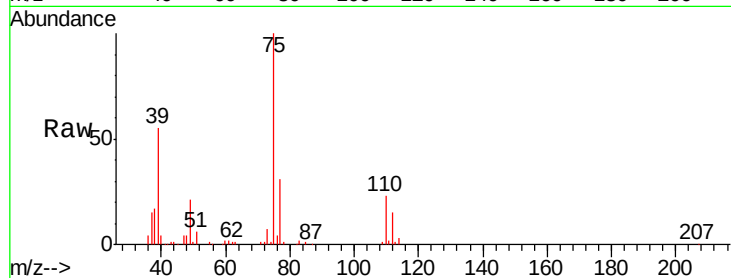
VN0927WBSD01

Tgt Ion: 75 Resp: 152627

Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 22.341 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

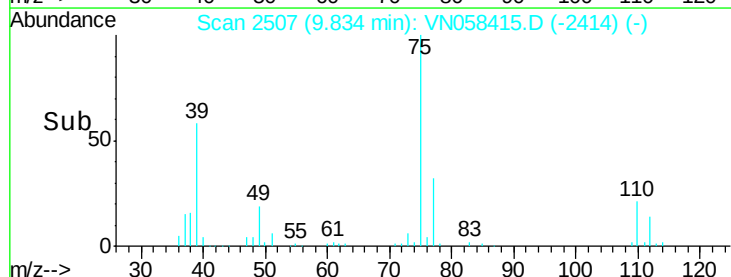
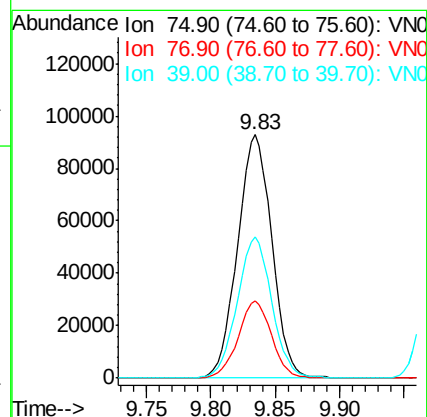
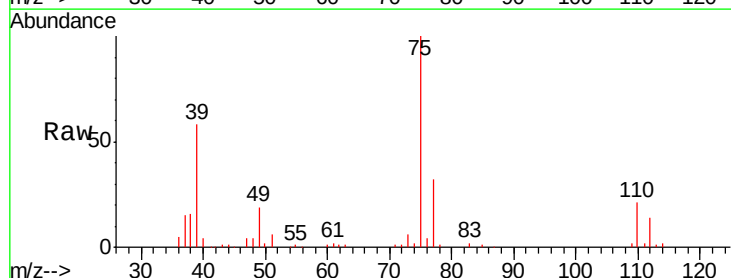
Tgt Ion: 75 Resp: 171745

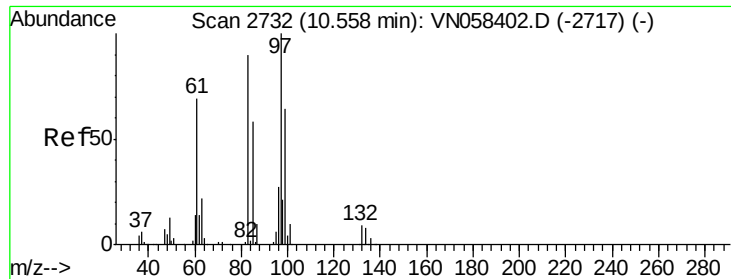
Ion Ratio Lower Upper

75 100

77 31.7 24.2 36.4

39 57.7 46.4 69.6

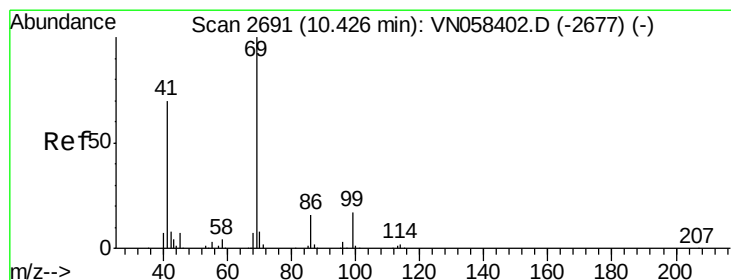
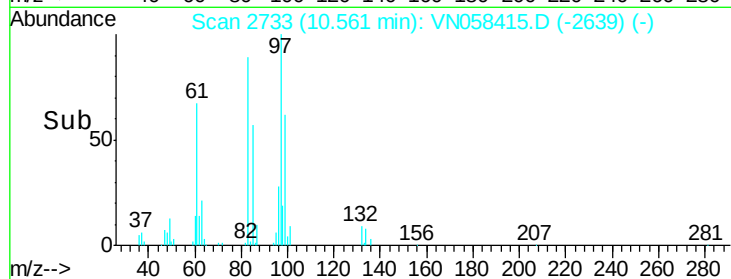
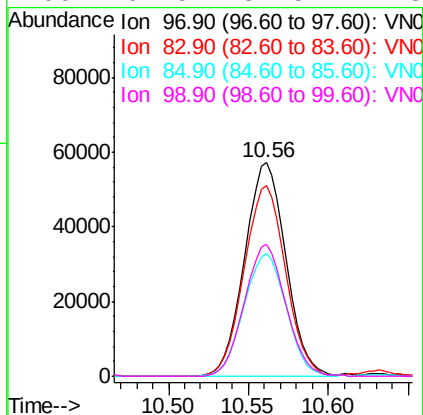
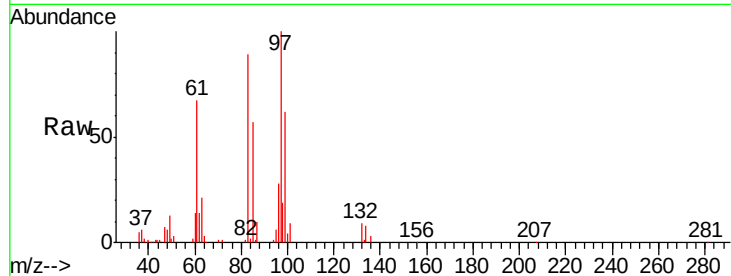




#55
 1,1,2-Trichloroethane
 Concen: 20.874 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

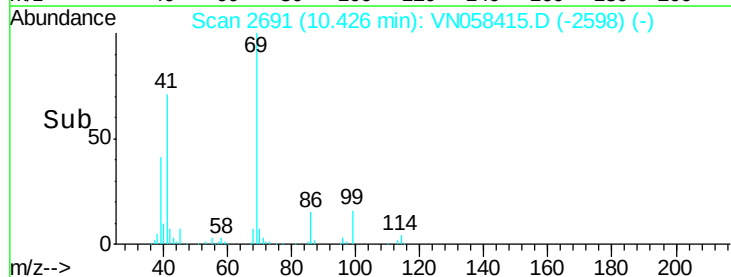
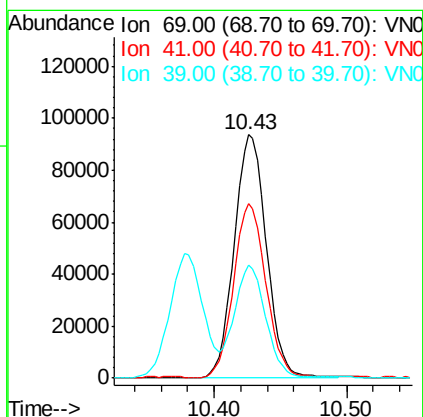
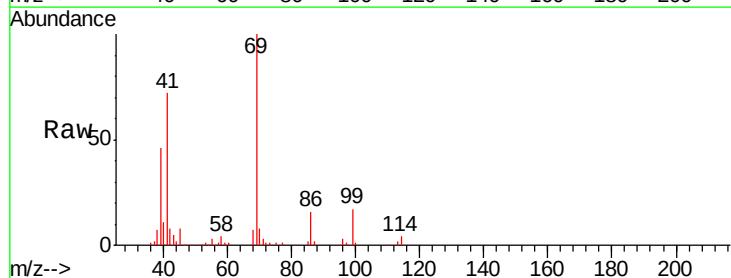
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

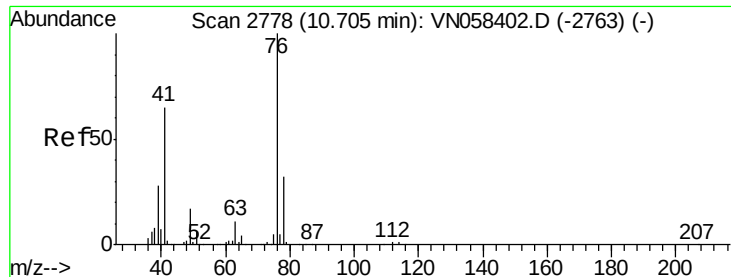
Tgt Ion:	97	Resp:	101400
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.8	107.6
85	57.2	46.6	69.8
99	61.5	51.5	77.3



#56
 Ethyl methacrylate
 Concen: 22.474 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion:	69	Resp:	158614
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.3	84.5
39	45.0	35.8	53.6

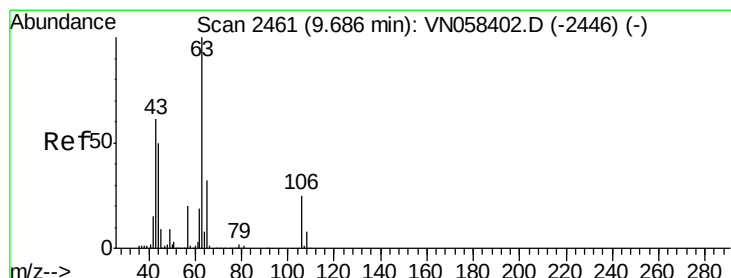
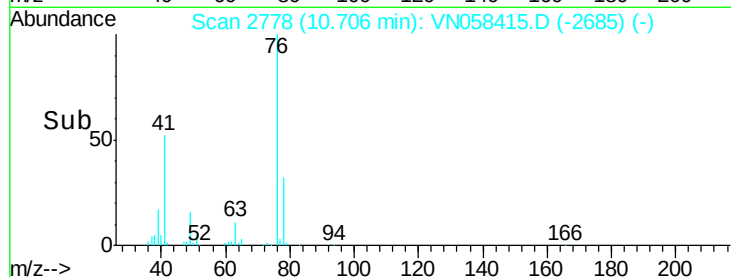
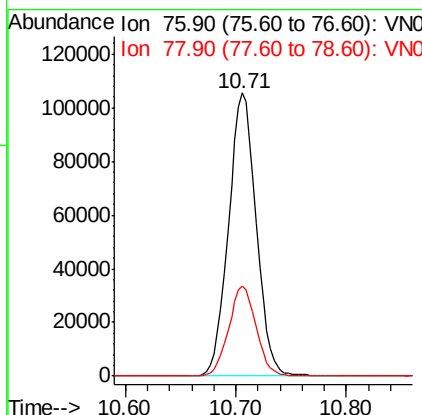
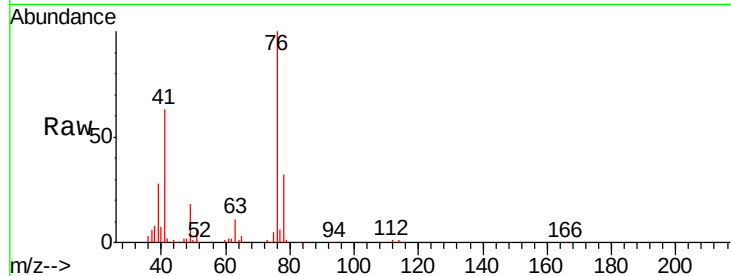




#57
 1,3-Dichloropropane
 Concen: 21.808 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

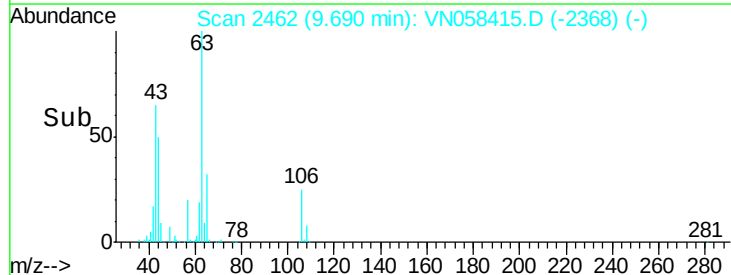
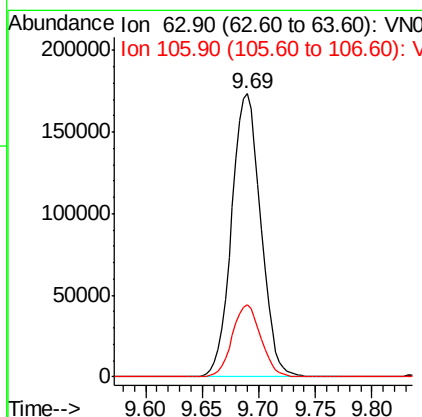
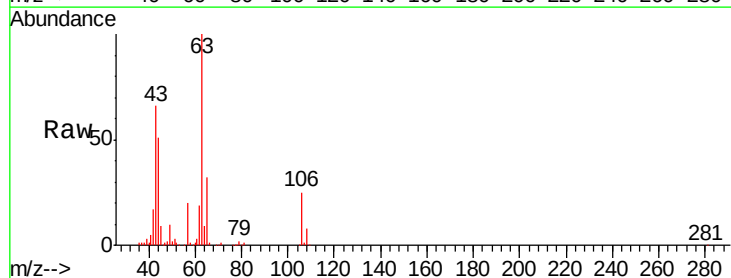
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

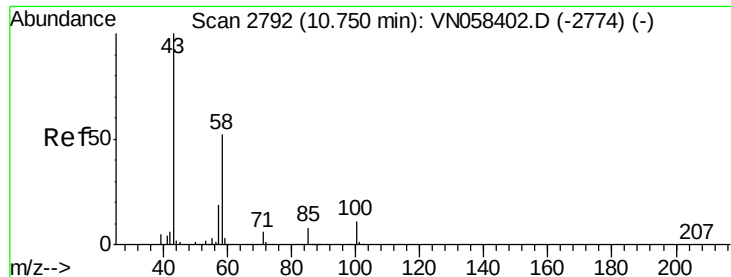
Tgt Ion: 76 Resp: 183584
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.501 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 63 Resp: 311720
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.3 30.5

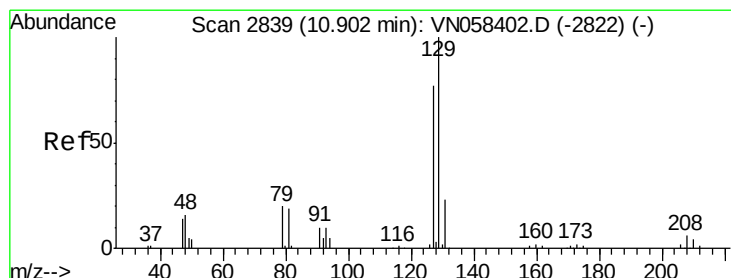
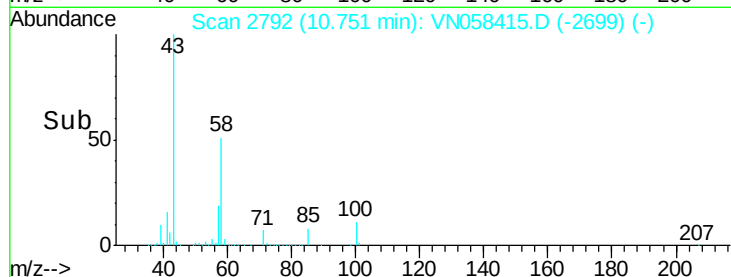
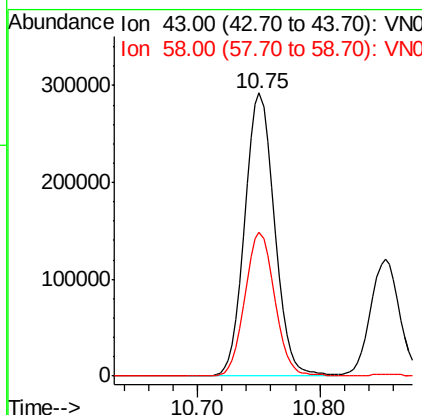
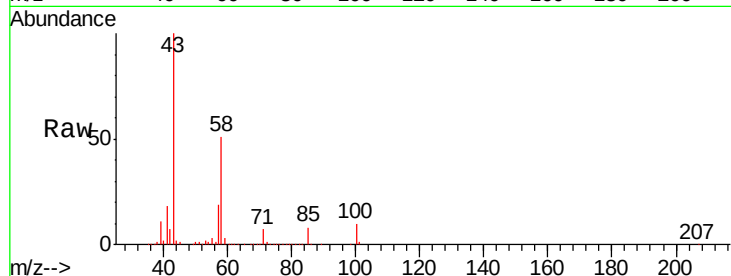




#59
2-Hexanone
Concen: 112.391 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

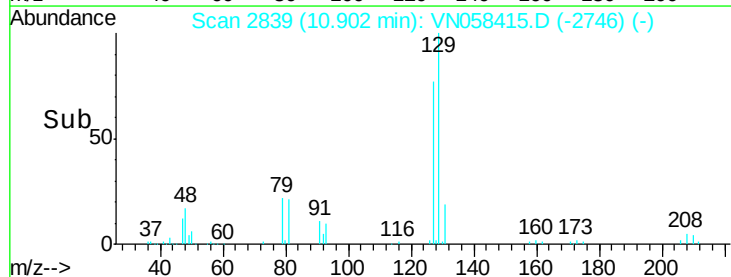
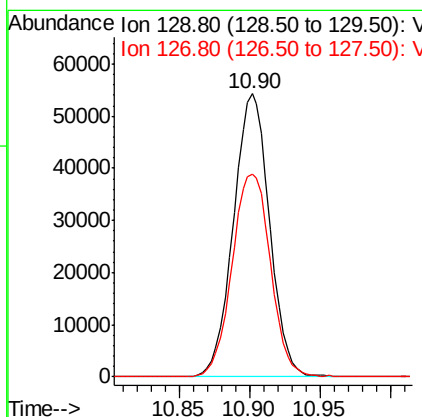
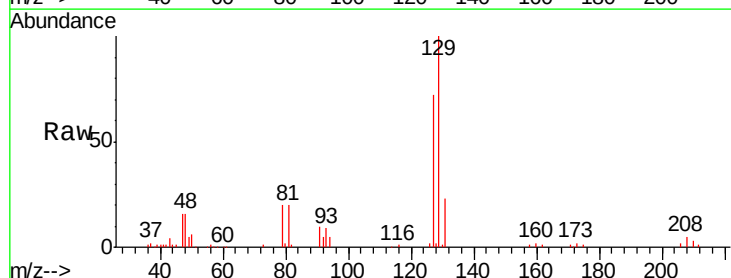
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

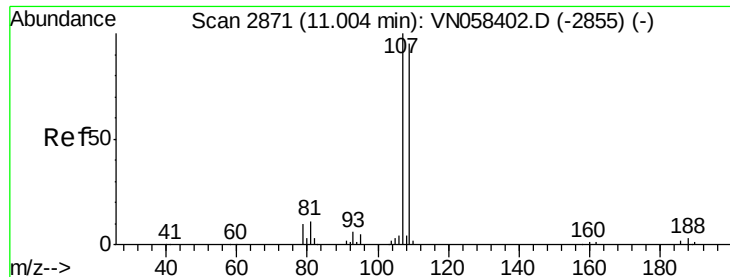
Tgt Ion: 43 Resp: 488936
Ion Ratio Lower Upper
43 100
58 51.0 25.8 77.3



#60
Dibromochloromethane
Concen: 20.805 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 129 Resp: 97286
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8

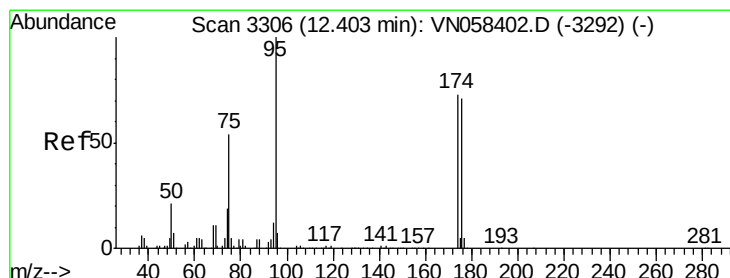
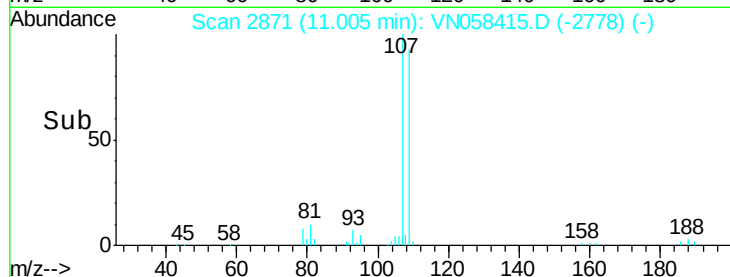
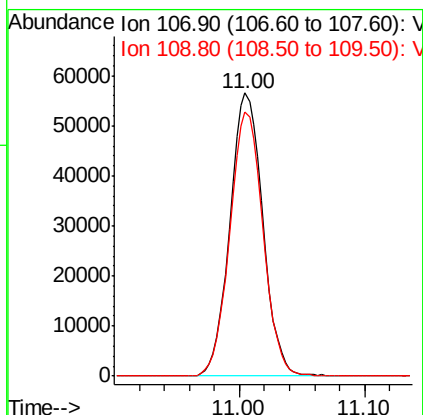
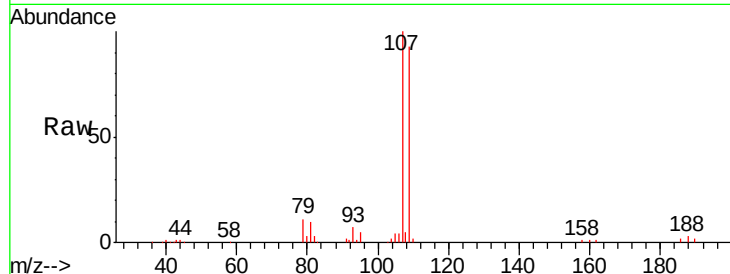




#61
 1,2-Dibromoethane
 Concen: 22.396 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

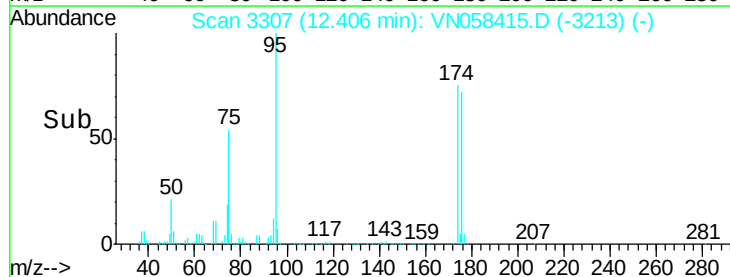
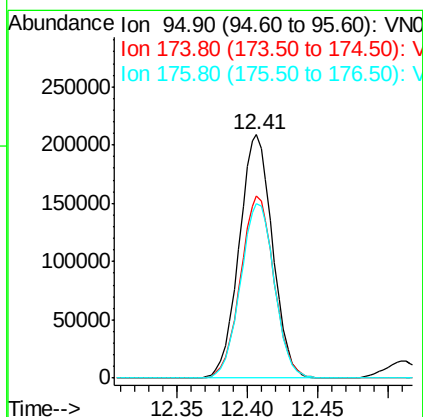
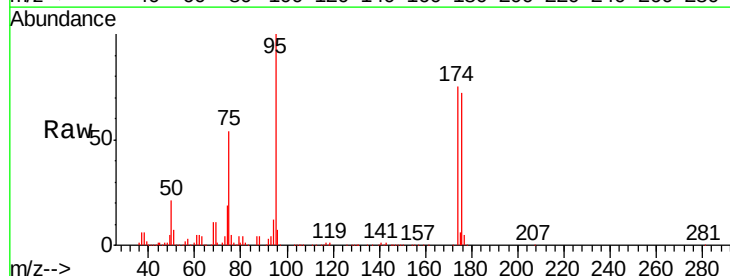
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

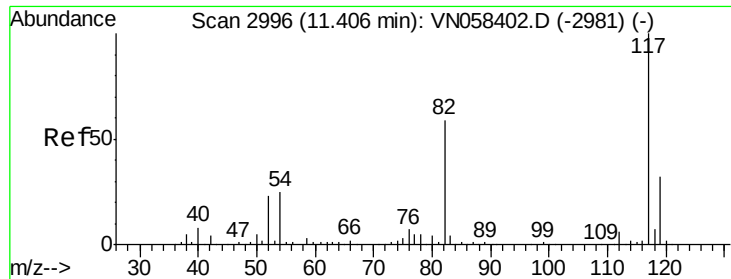
Tgt Ion: 107 Resp: 102881
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 50.320 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 95 Resp: 346149
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 150.6
 176 72.8 0.0 146.2

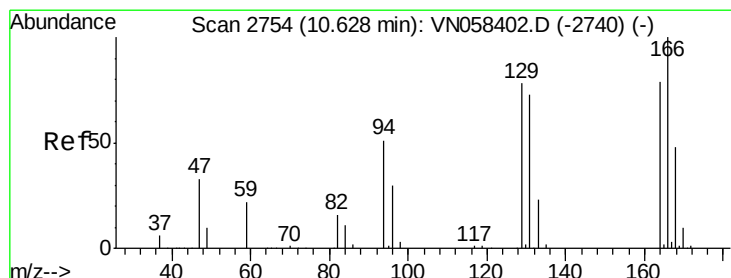
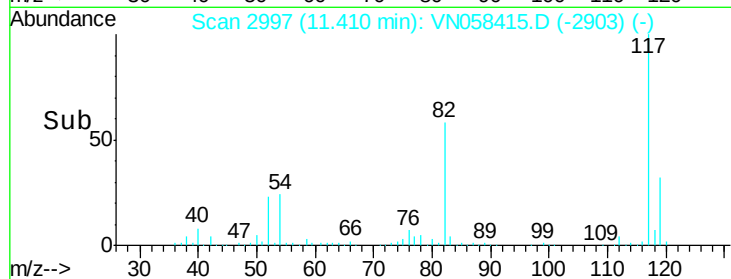
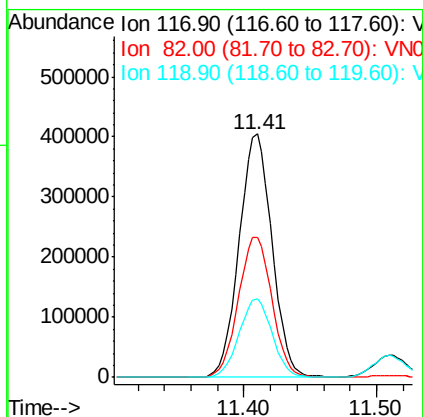
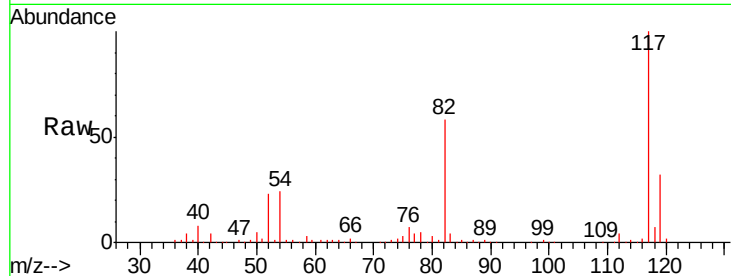




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

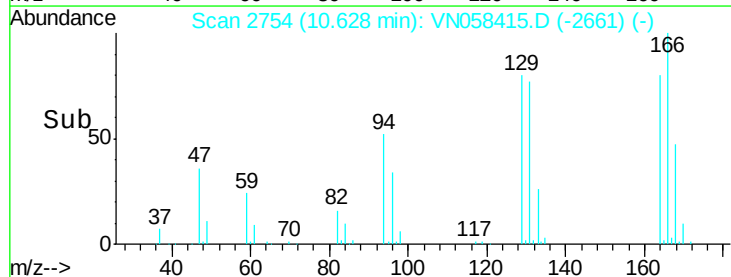
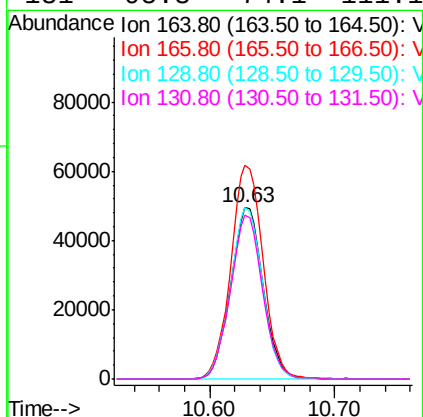
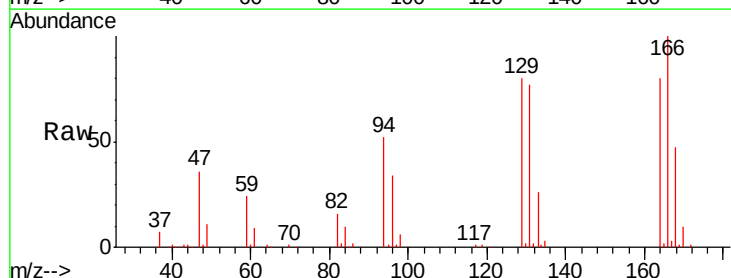
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

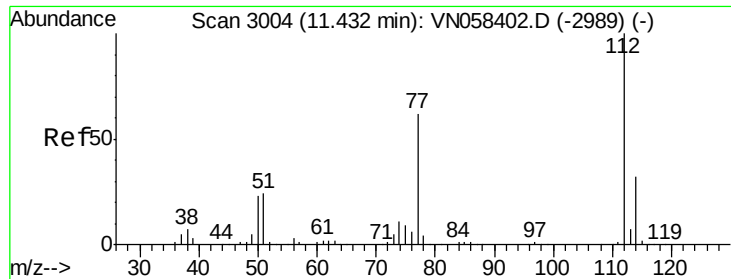
Tgt Ion:117 Resp: 697598
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.0
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 24.625 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion:164 Resp: 88939
Ion Ratio Lower Upper
164 100
166 124.6 101.1 151.7
129 100.3 79.2 118.8
131 95.3 74.1 111.1

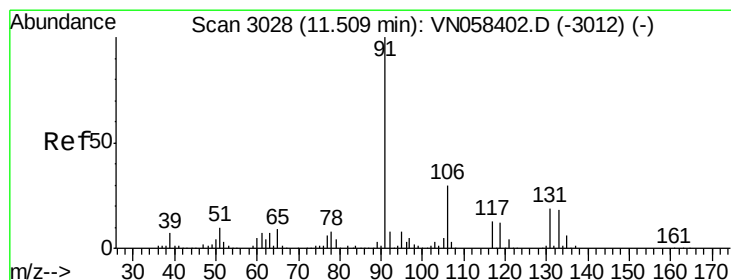
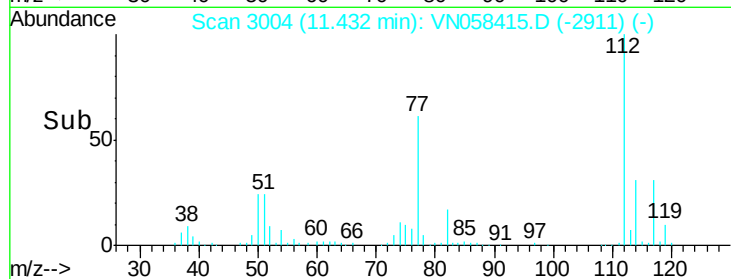
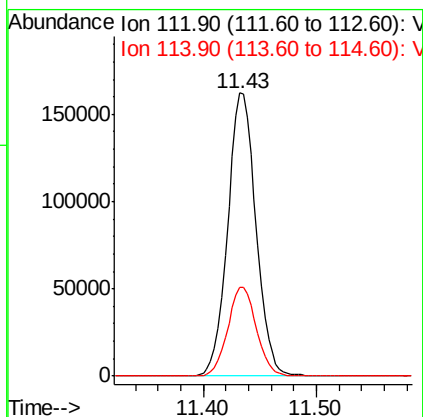
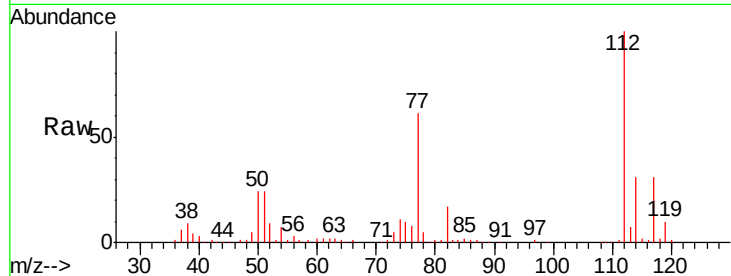




#65
Chlorobenzene
Concen: 22.280 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

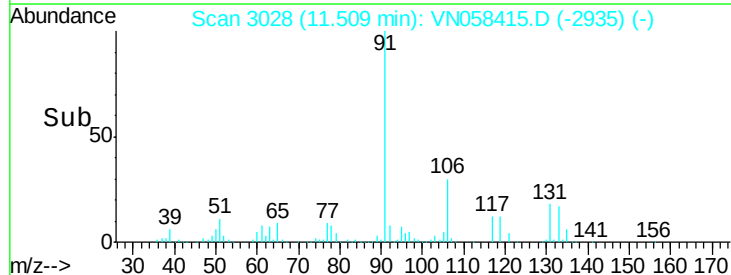
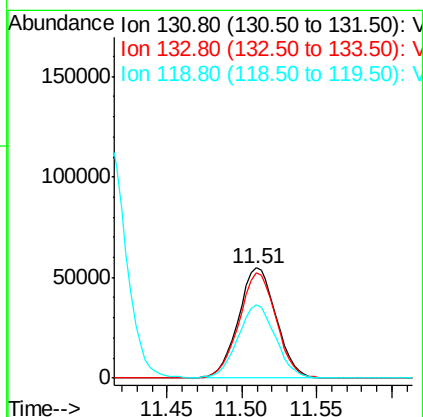
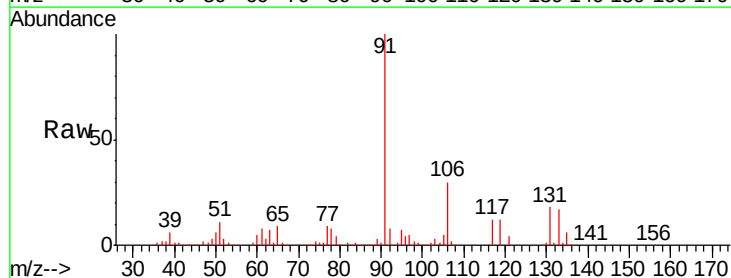
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

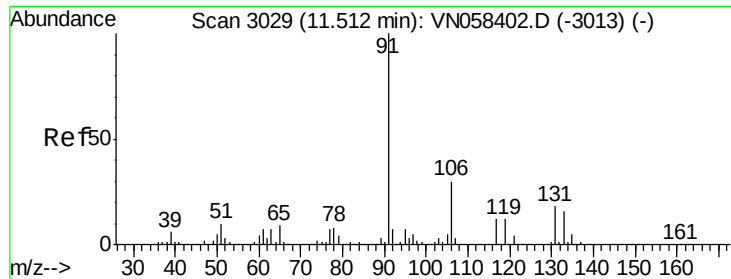
Tgt Ion:112 Resp: 281692
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.378 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion:131 Resp: 96497
Ion Ratio Lower Upper
131 100
133 93.8 47.8 143.3
119 66.0 33.0 99.0

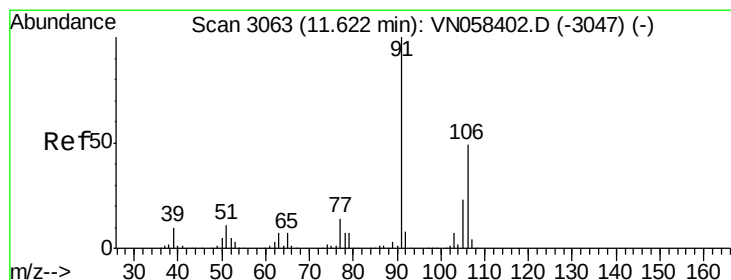
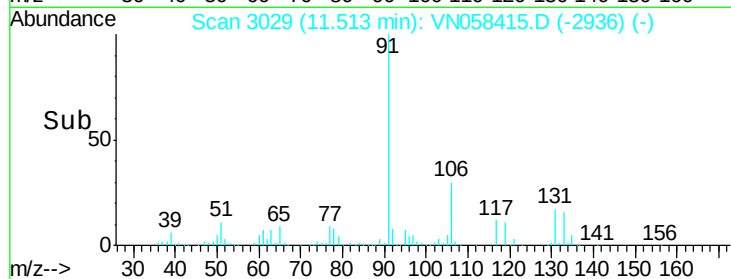
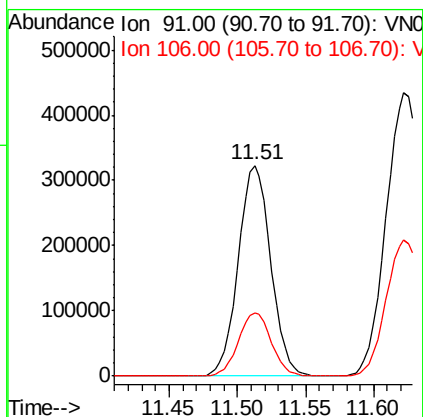
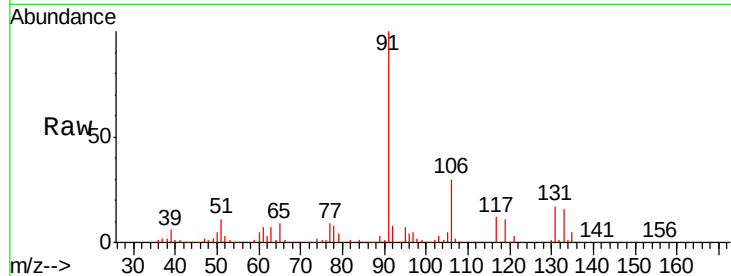




#67
Ethyl Benzene
Concen: 24.470 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

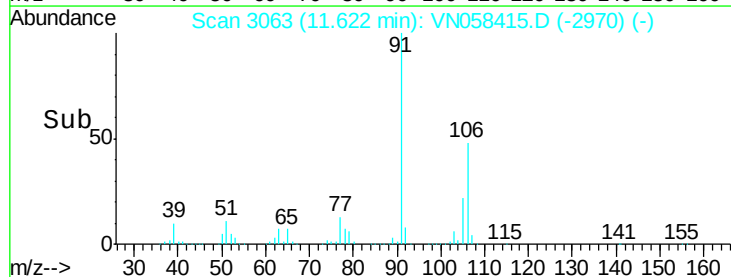
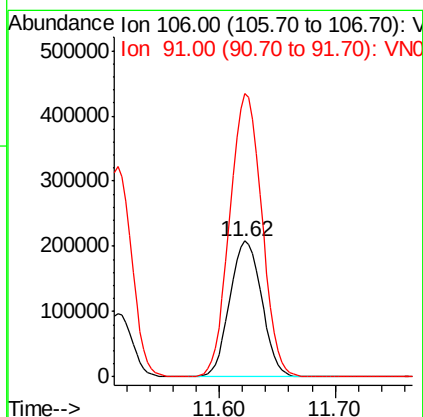
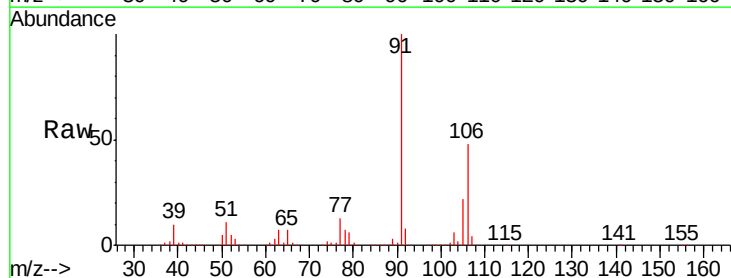
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

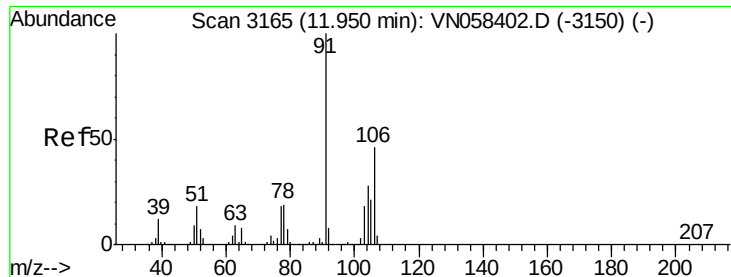
Tgt Ion: 91 Resp: 534506
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 48.360 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 106 Resp: 398366
Ion Ratio Lower Upper
106 100
91 208.6 165.0 247.4

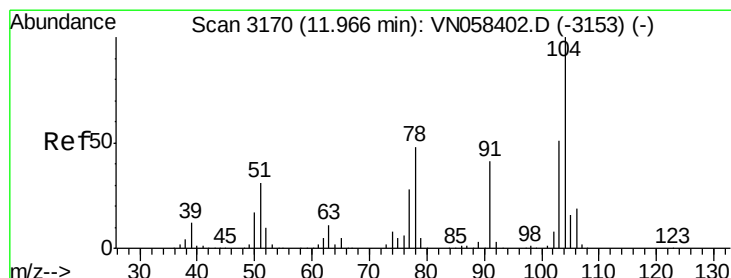
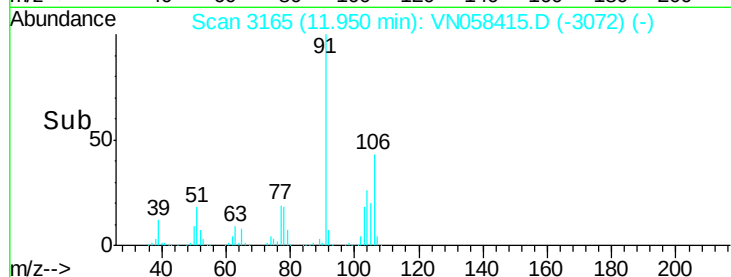
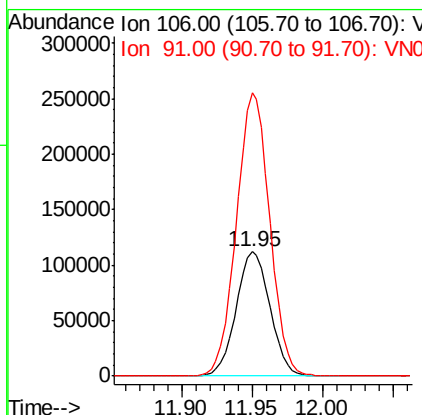
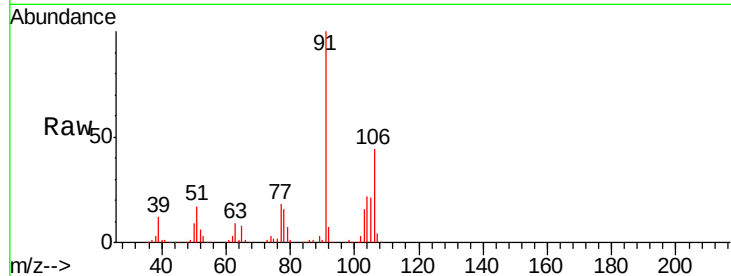




#69
o-Xylene
Concen: 23.459 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

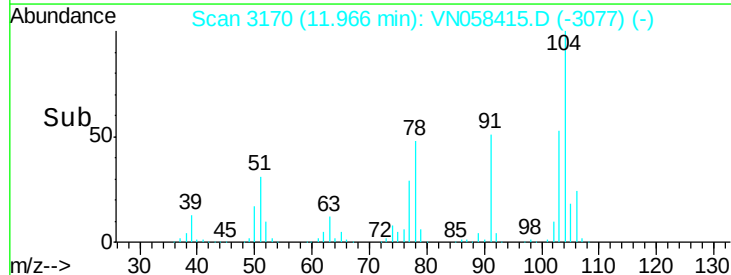
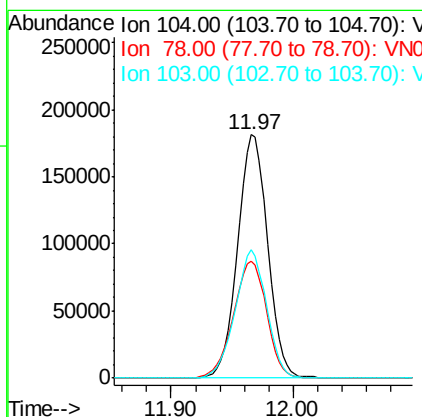
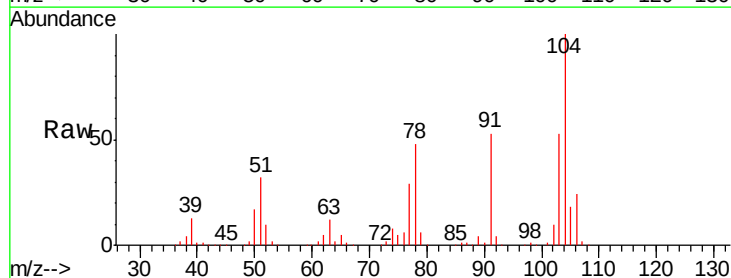
Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

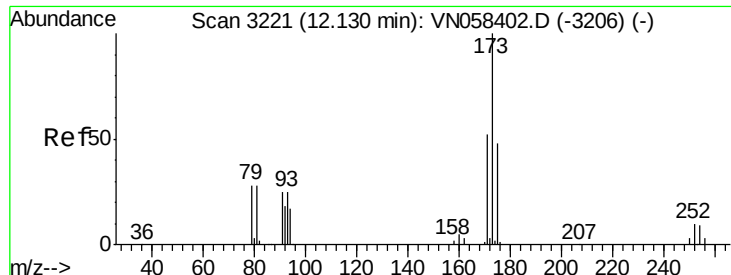
Tgt Ion:106 Resp: 189029
Ion Ratio Lower Upper
106 100
91 223.6 109.1 327.4



#70
Styrene
Concen: 22.439 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion:104 Resp: 308153
Ion Ratio Lower Upper
104 100
78 53.3 42.8 64.2
103 55.3 43.7 65.5





#71

Bromoform

Concen: 20.803 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

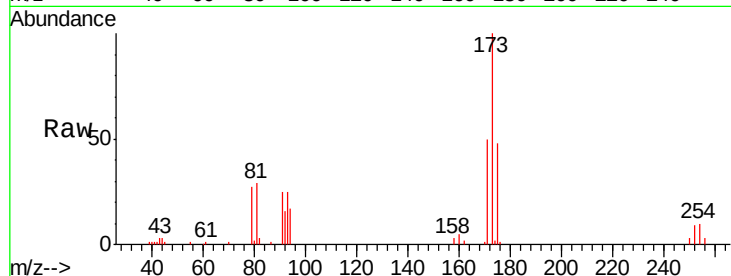
Tgt Ion:173 Resp: 59118

Ion Ratio Lower Upper

173 100

175 47.3 24.3 73.0

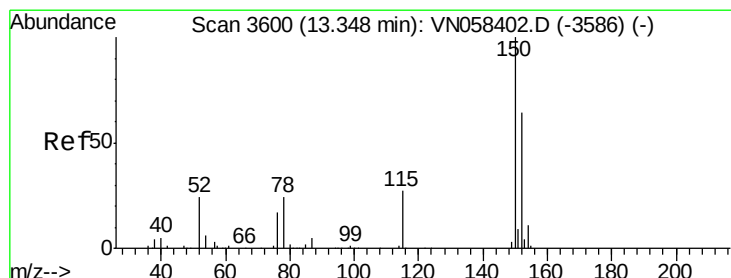
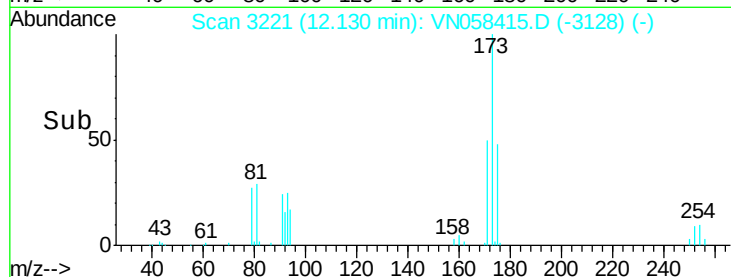
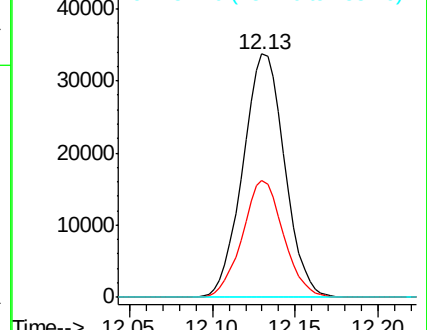
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

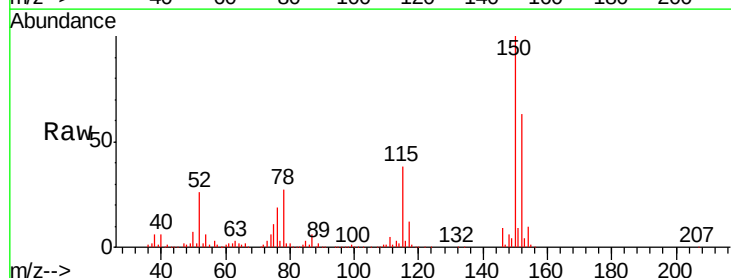
Tgt Ion:152 Resp: 325176

Ion Ratio Lower Upper

152 100

115 61.3 30.0 90.0

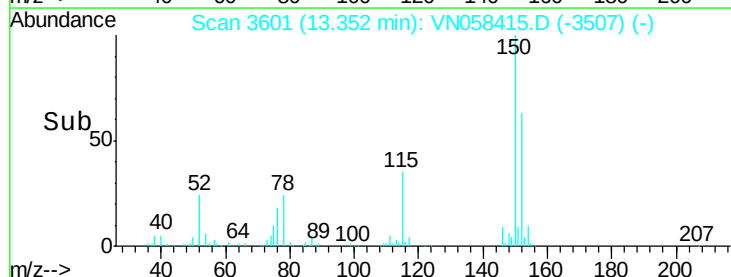
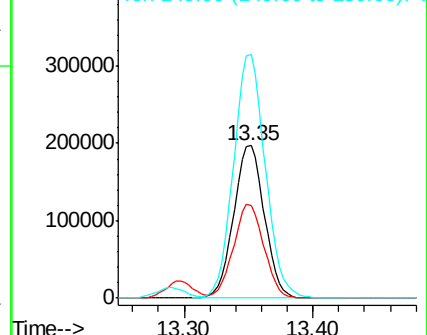
150 165.3 0.0 348.2

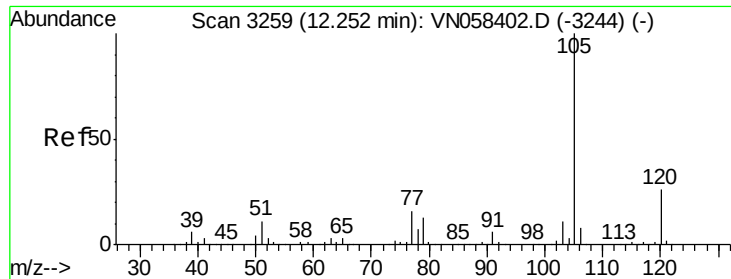


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.071 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

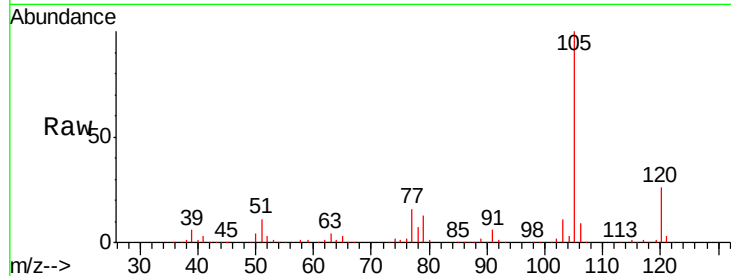
VN0927WBSD01

Tgt Ion: 105 Resp: 506532

Ion Ratio Lower Upper

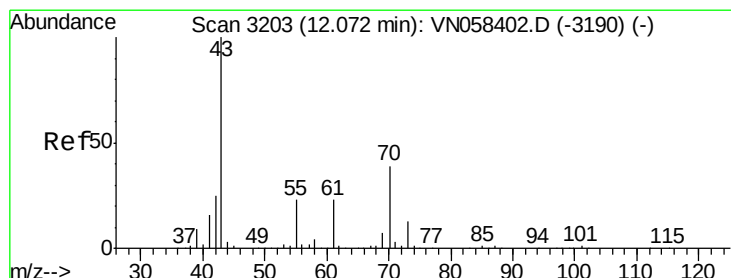
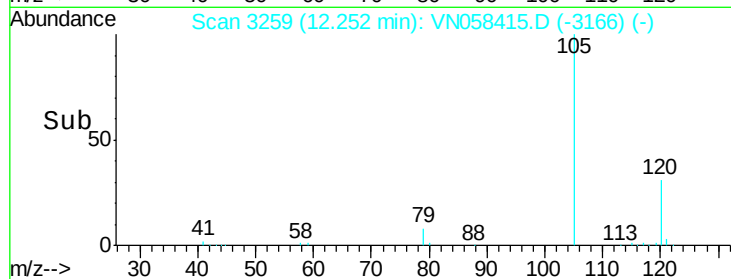
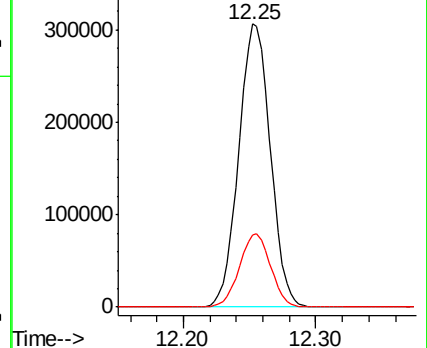
105 100

120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.655 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion: 43 Resp: 197102

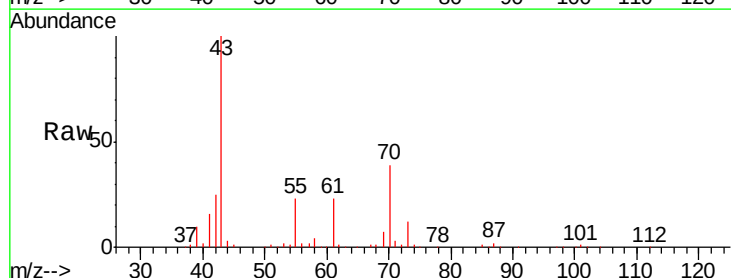
Ion Ratio Lower Upper

43 100

70 39.6 31.4 47.2

55 24.1 18.2 27.4

61 23.1 18.3 27.5

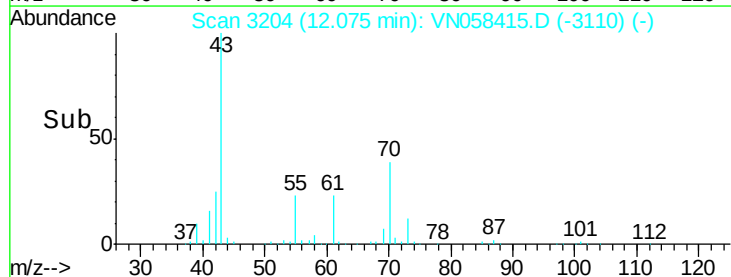
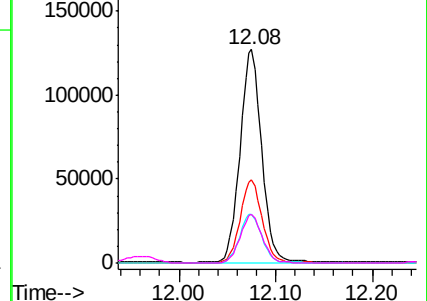


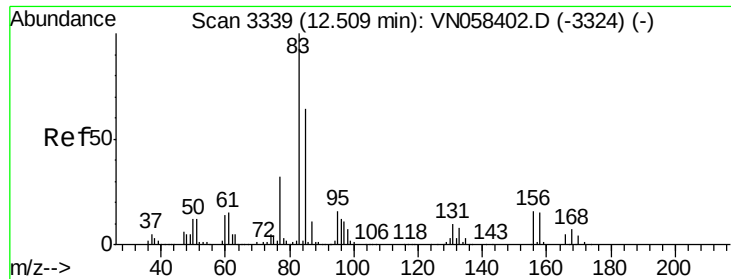
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.452 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

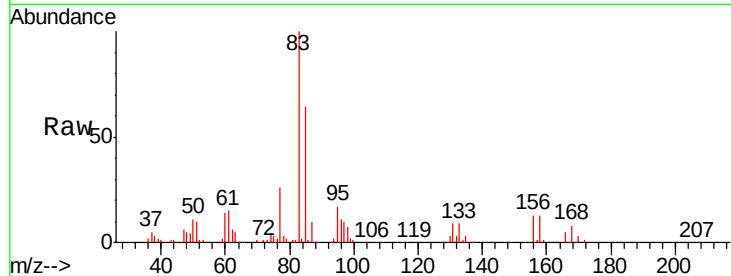
Tgt Ion: 83 Resp: 147319

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

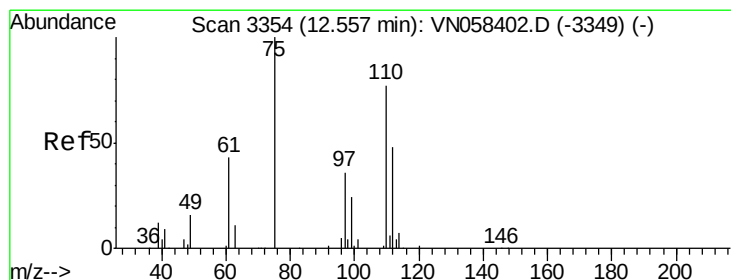
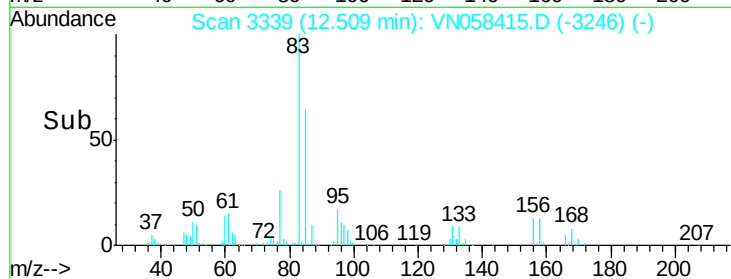
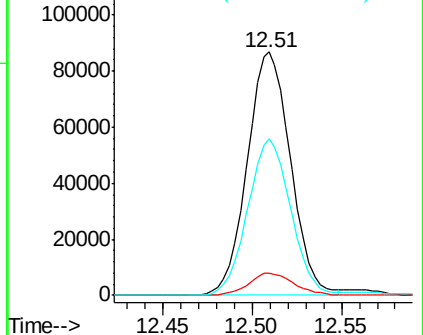
85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.783 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058415.D

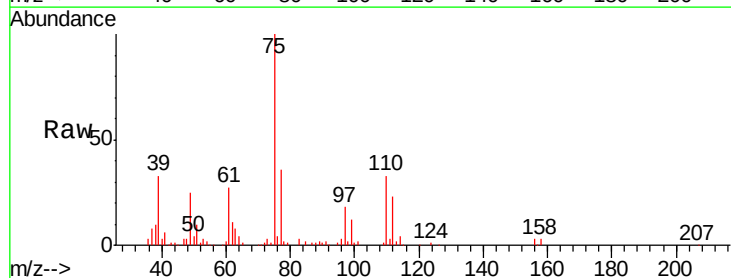
Acq: 27 Sep 2019 17:57

Tgt Ion: 75 Resp: 181707

Ion Ratio Lower Upper

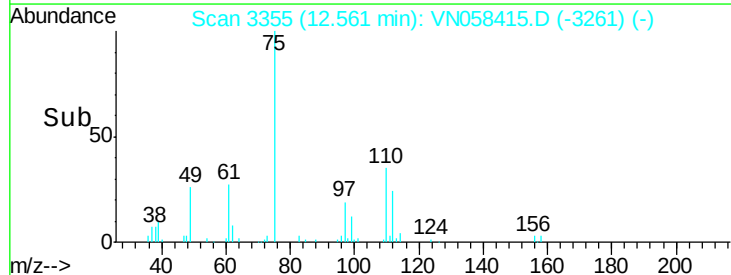
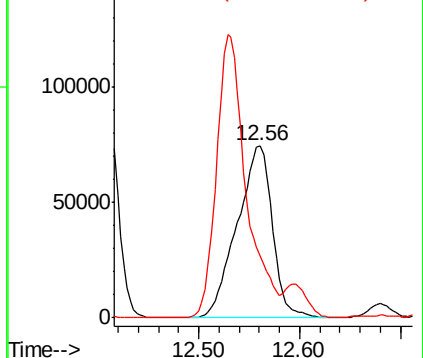
75 100

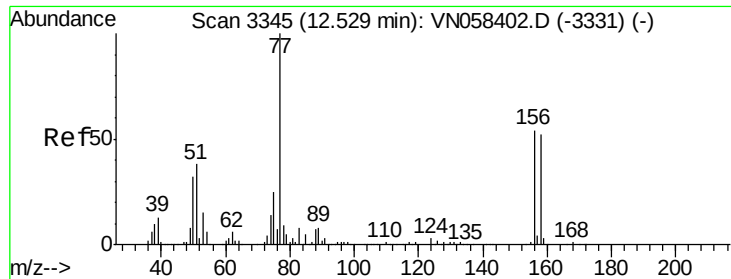
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.727 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

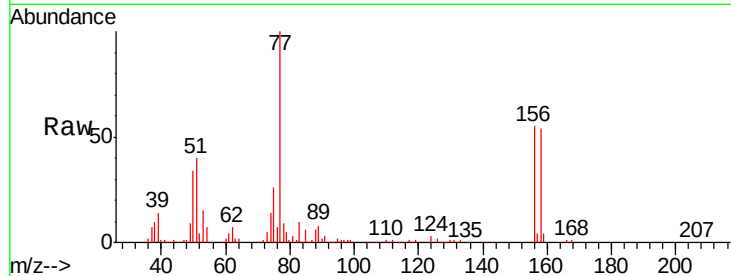
Tgt Ion:156 Resp: 113999

Ion Ratio Lower Upper

156 100

77 221.0 110.0 330.0

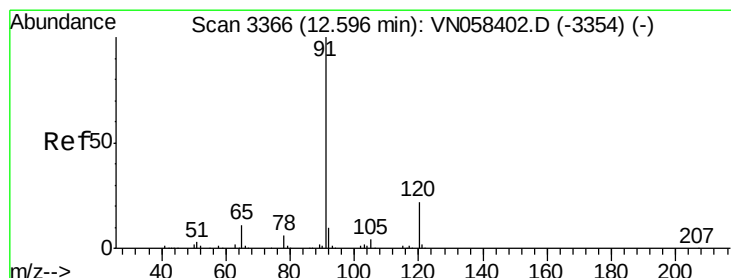
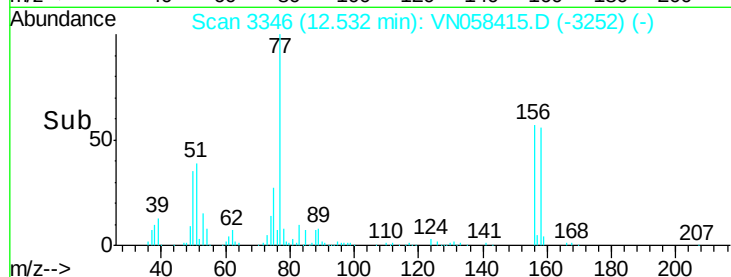
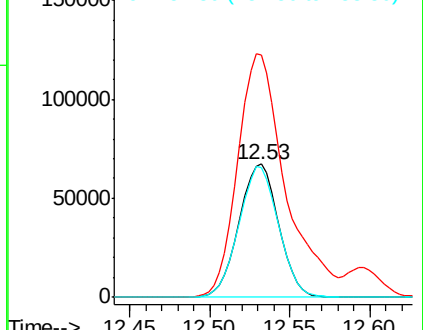
158 98.0 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.505 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058415.D

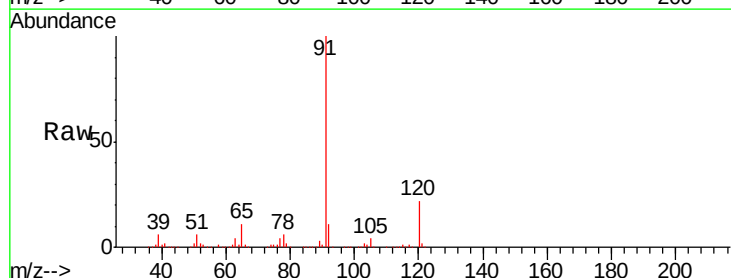
Acq: 27 Sep 2019 17:57

Tgt Ion: 91 Resp: 586377

Ion Ratio Lower Upper

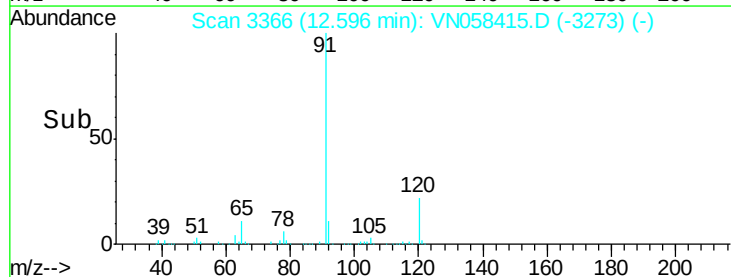
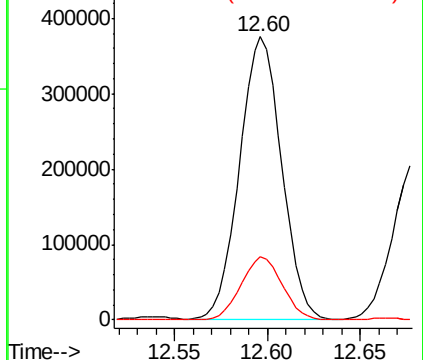
91 100

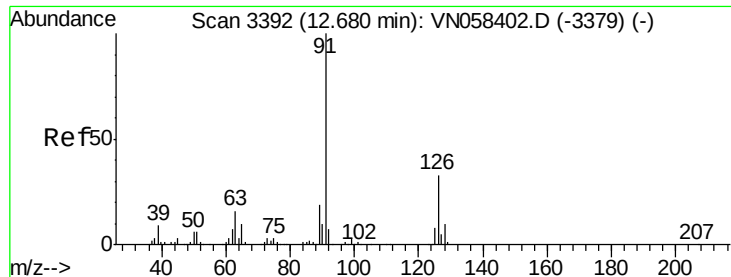
120 22.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.408 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

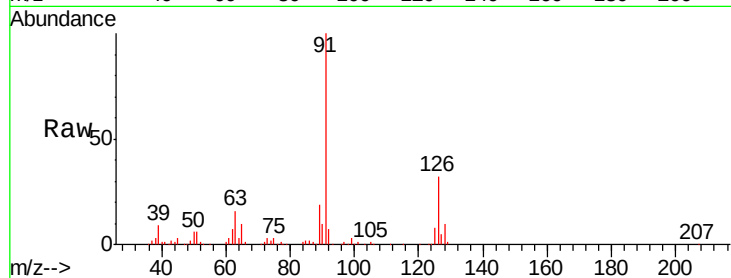
VN0927WBSD01

Tgt Ion: 91 Resp: 348149

Ion Ratio Lower Upper

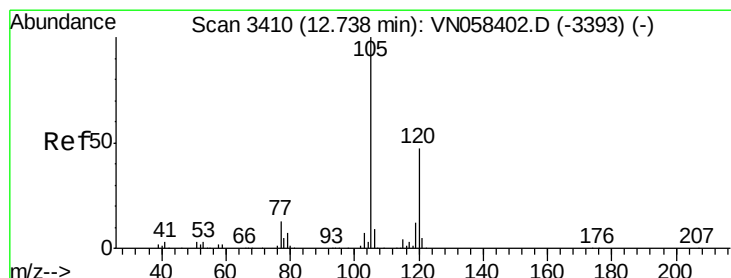
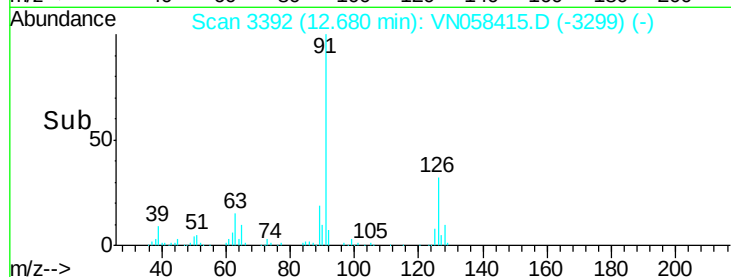
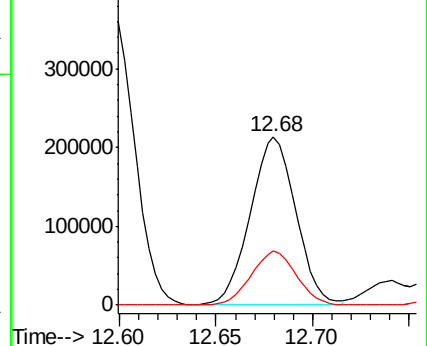
91 100

126 32.1 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058415.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058415.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.878 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058415.D

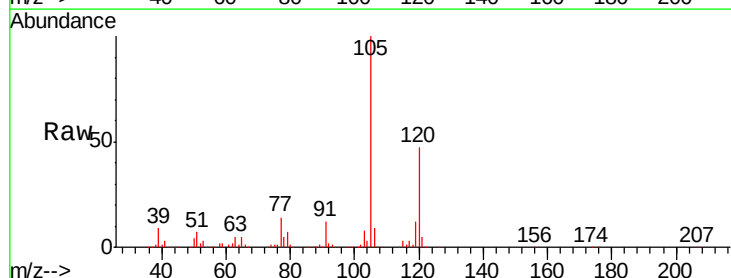
Acq: 27 Sep 2019 17:57

Tgt Ion: 105 Resp: 423519

Ion Ratio Lower Upper

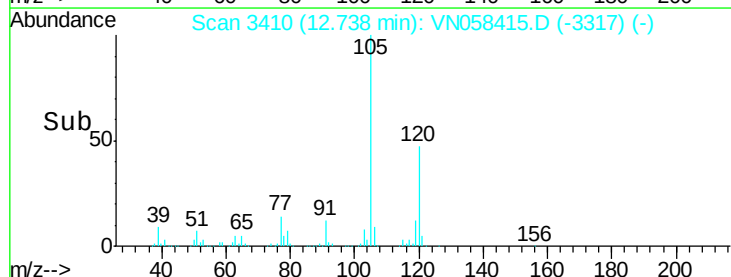
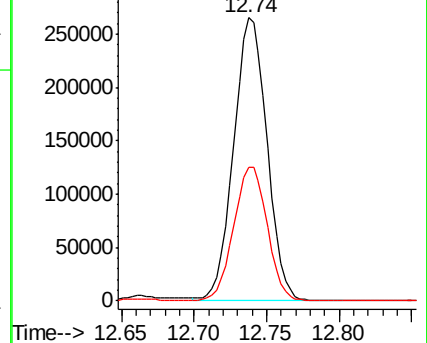
105 100

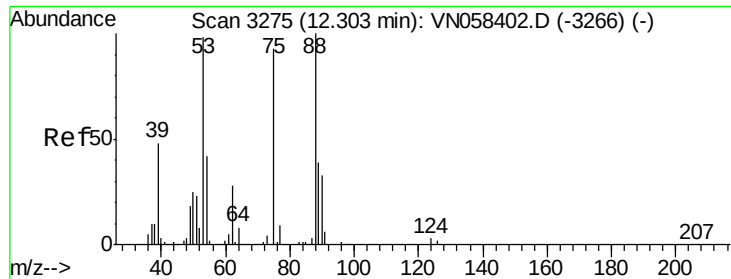
120 47.9 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058415.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058415.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.299 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

VN0927WBSD01

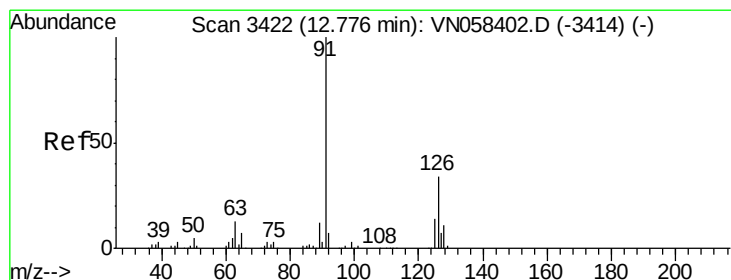
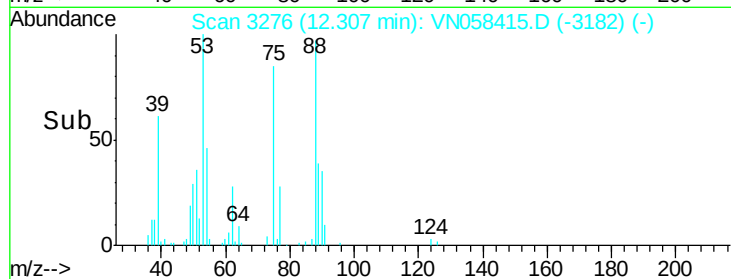
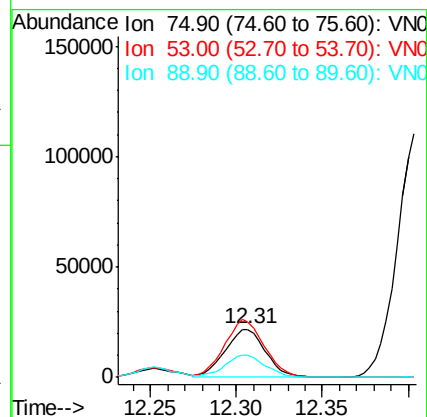
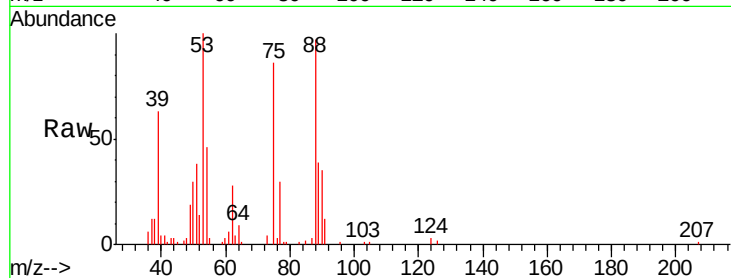
Tgt Ion: 75 Resp: 35041

Ion Ratio Lower Upper

75 100

53 122.2 85.4 128.0

89 47.5 35.0 52.4



#82

4-Chlorotoluene

Concen: 22.670 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058415.D

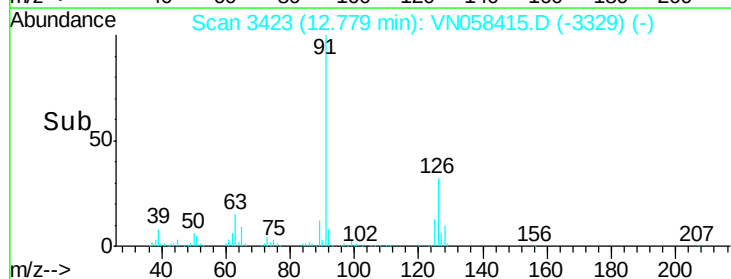
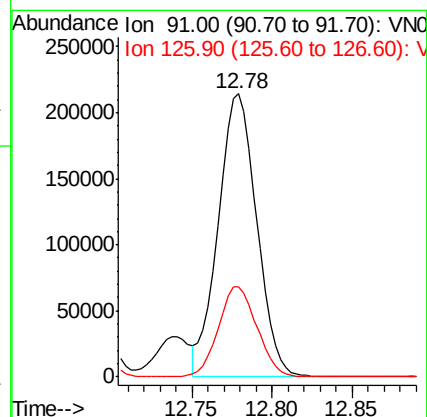
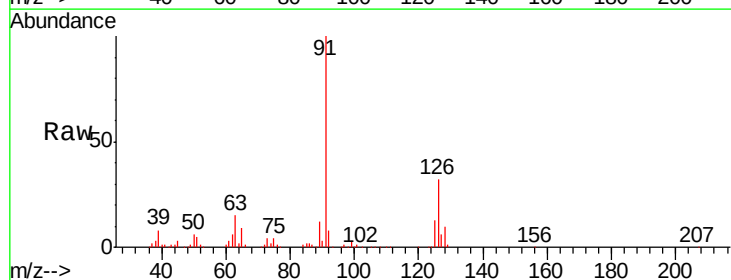
Acq: 27 Sep 2019 17:57

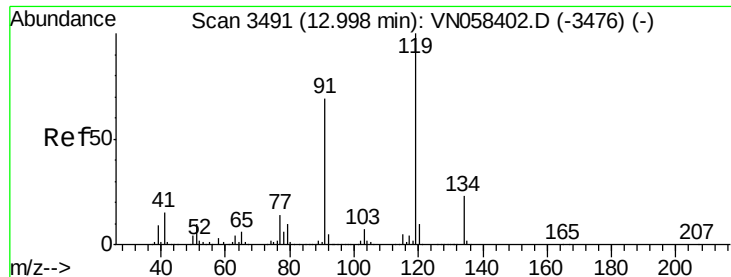
Tgt Ion: 91 Resp: 352568

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.7

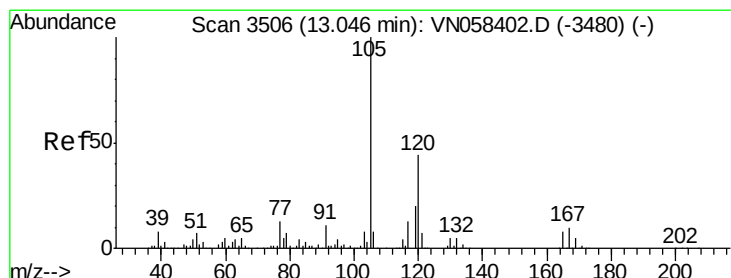
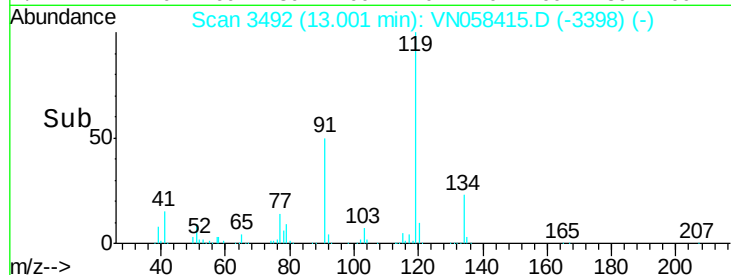
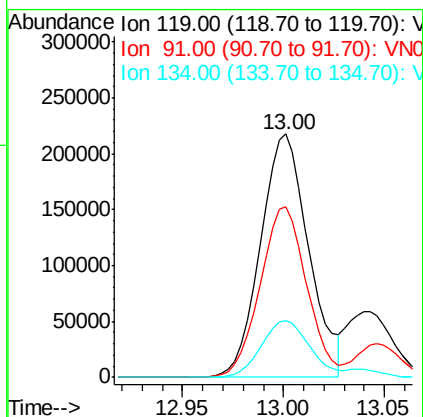
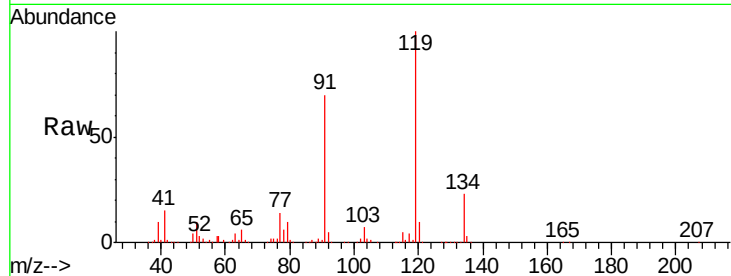




#83
 tert-Butylbenzene
 Concen: 23.088 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

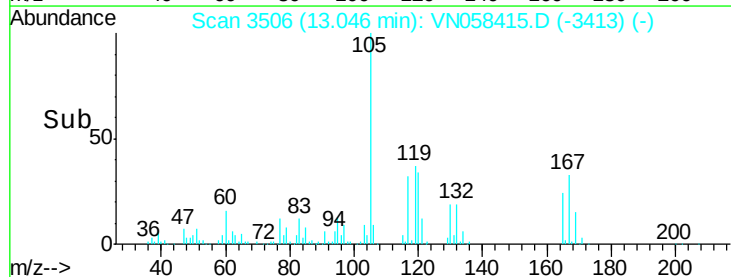
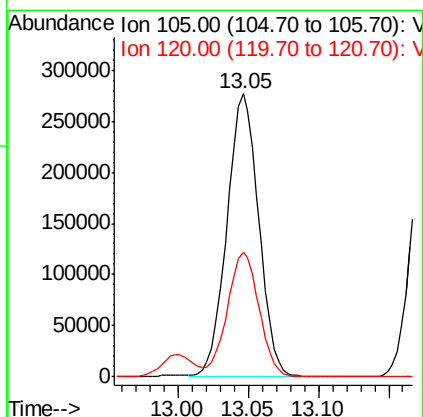
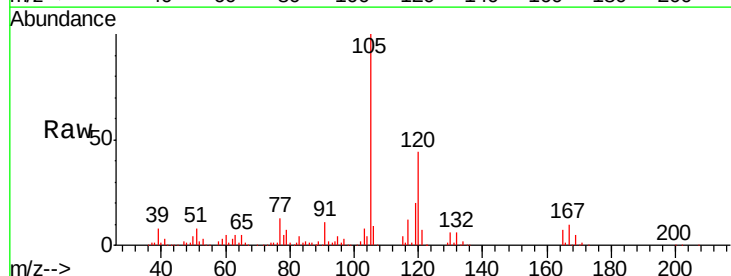
Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBSD01

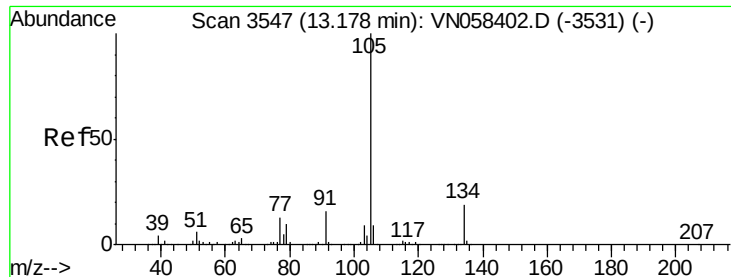
Tgt Ion:119 Resp: 361680
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.2 102.6
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 24.629 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion:105 Resp: 434958
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.7 65.1





#85

sec-Butylbenzene

Concen: 23.220 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampled :

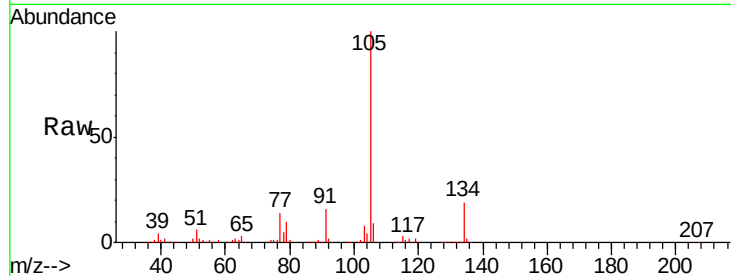
VN0927WBSD01

Tgt Ion:105 Resp: 475645

Ion Ratio Lower Upper

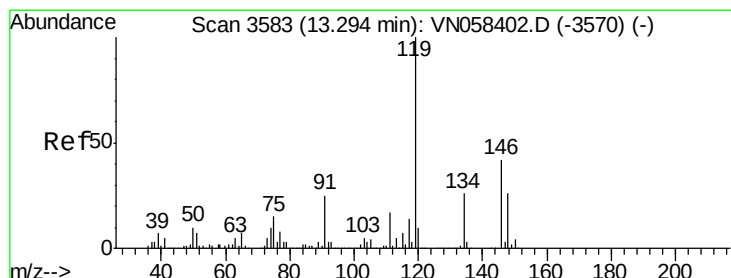
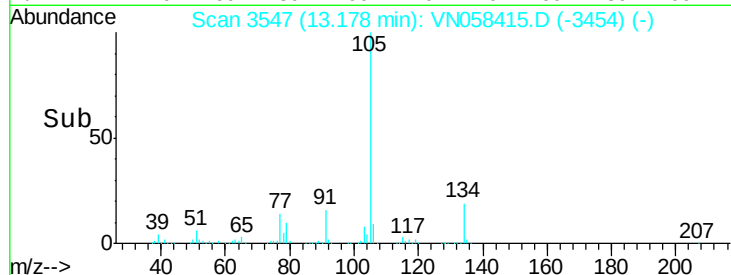
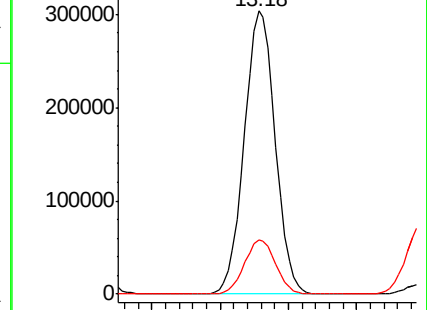
105 100

134 19.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.545 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

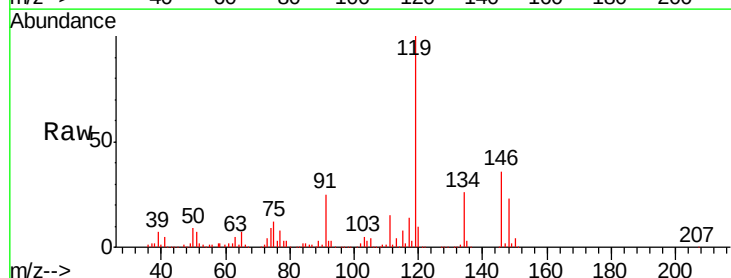
Tgt Ion:119 Resp: 427836

Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

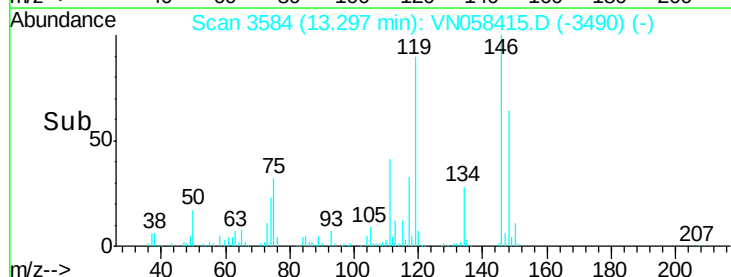
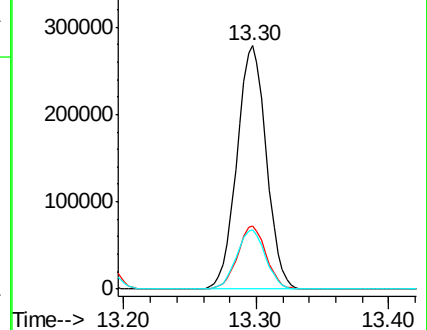
91 24.0 12.4 37.0

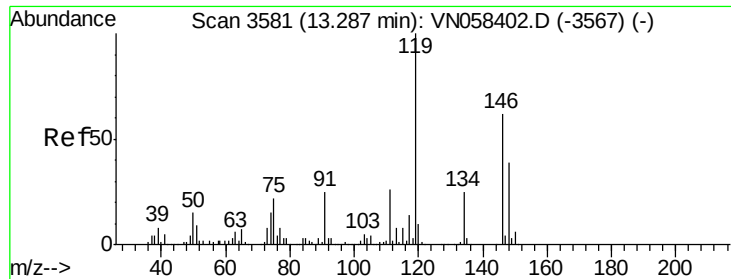


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

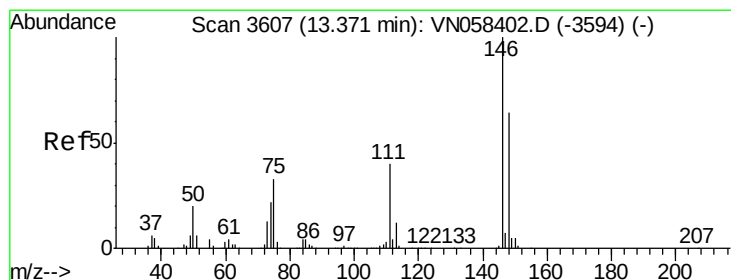
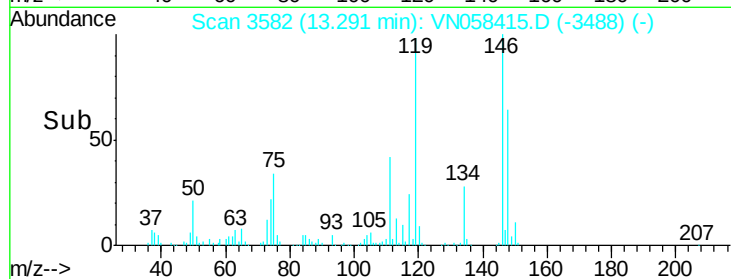
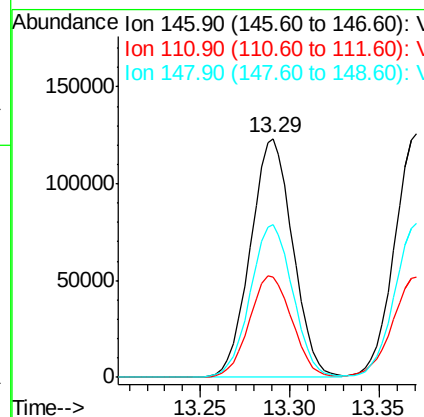
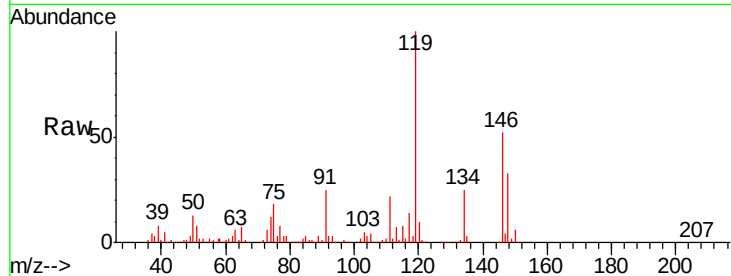




#87
 1,3-Dichlorobenzene
 Concen: 21.529 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

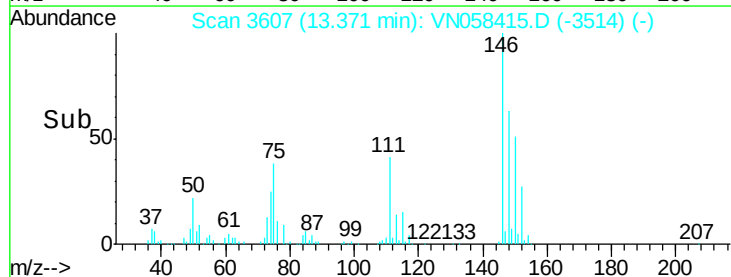
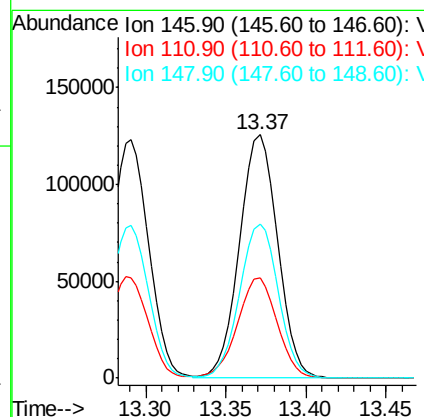
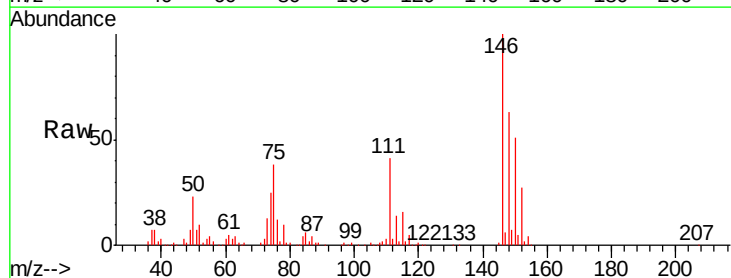
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

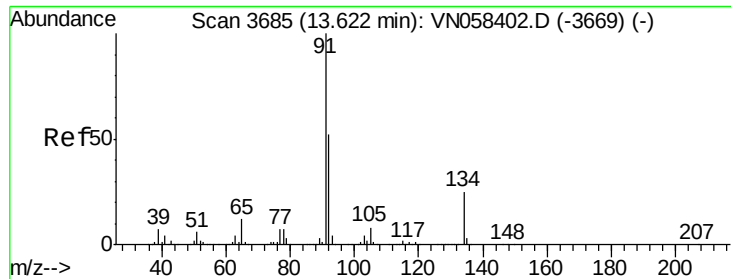
Tgt Ion:146 Resp: 204849
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.8 62.4
 148 64.2 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 21.070 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion:146 Resp: 204082
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.5 61.6
 148 64.5 31.5 94.5





#89

n-Butylbenzene

Concen: 21.903 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

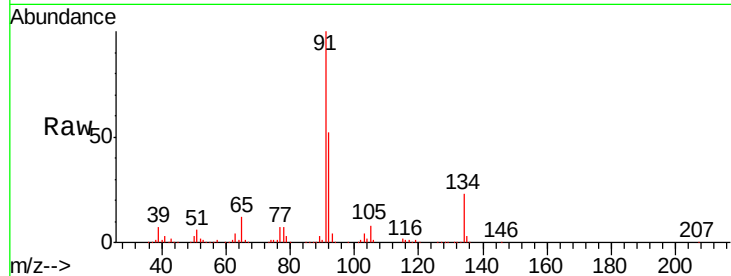
Tgt Ion: 91 Resp: 372124

Ion Ratio Lower Upper

91 100

92 52.0 25.7 77.1

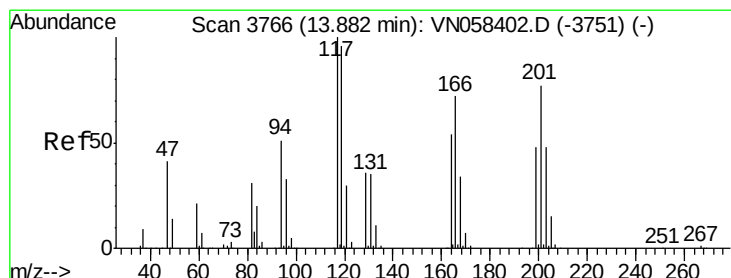
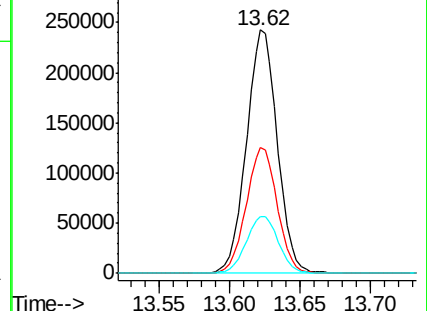
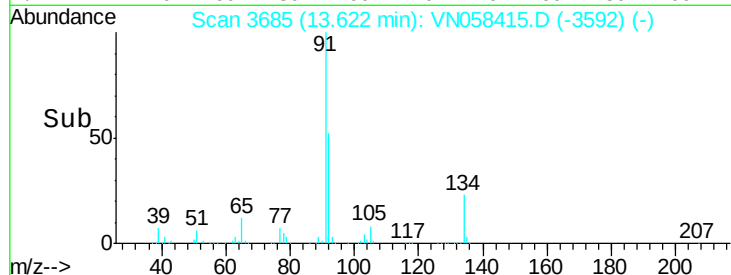
134 24.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 22.510 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058415.D

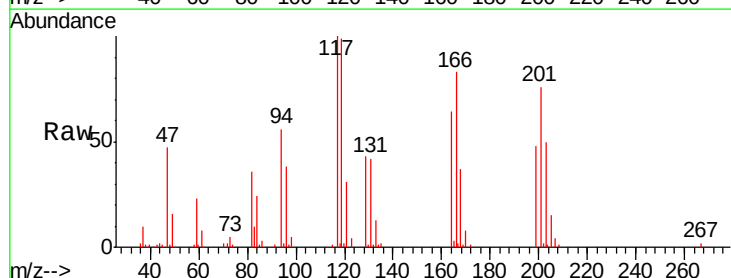
Acq: 27 Sep 2019 17:57

Tgt Ion: 117 Resp: 63324

Ion Ratio Lower Upper

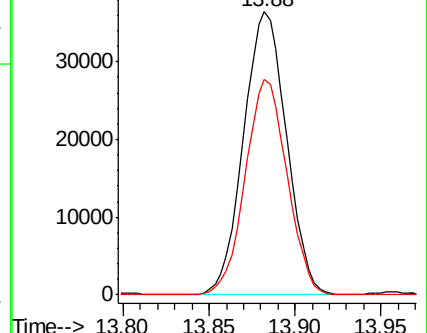
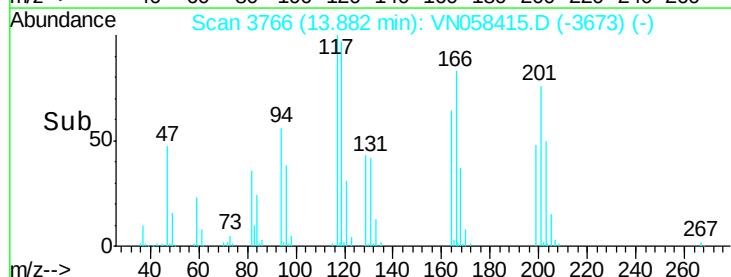
117 100

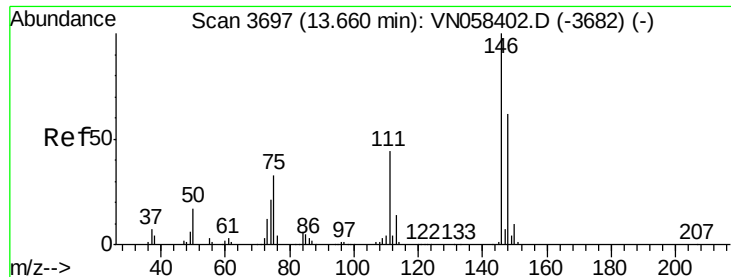
201 74.0 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

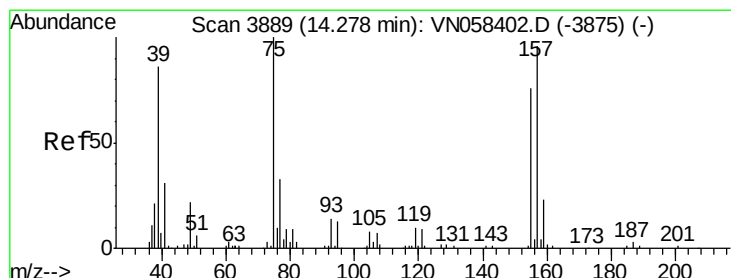
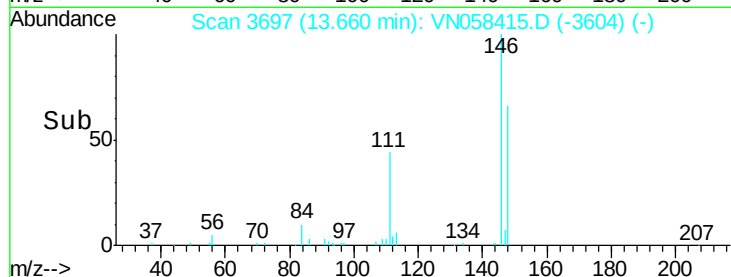
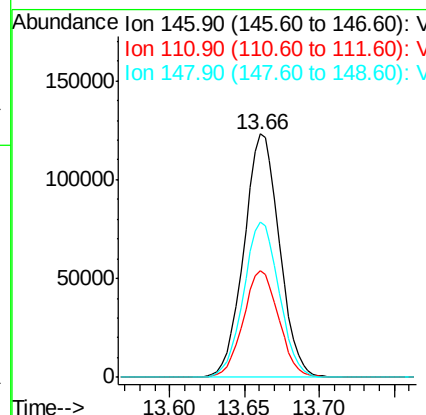
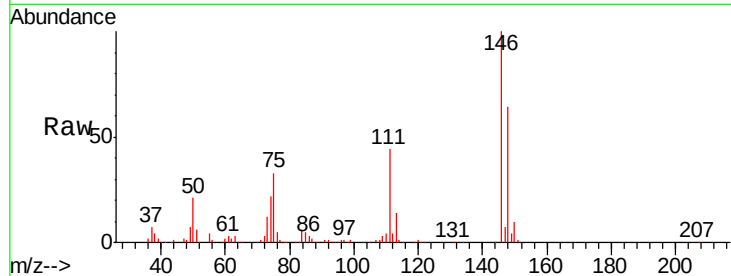




#91
 1,2-Dichlorobenzene
 Concen: 21.504 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

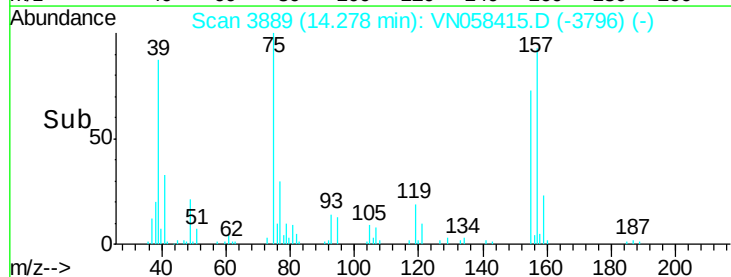
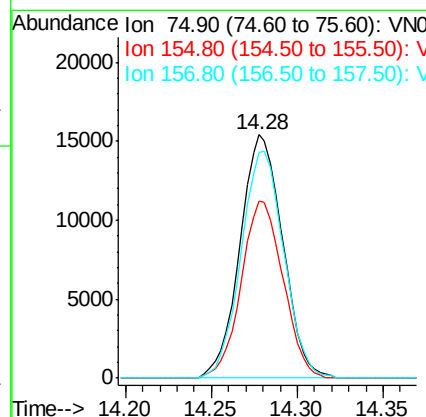
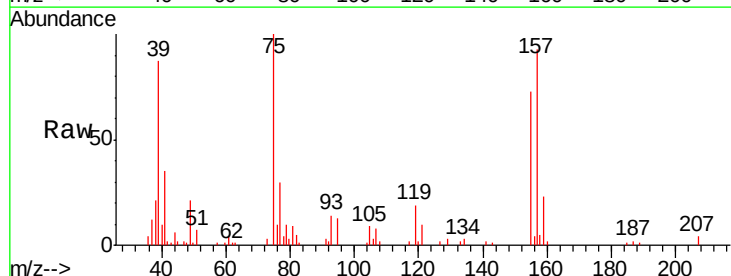
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

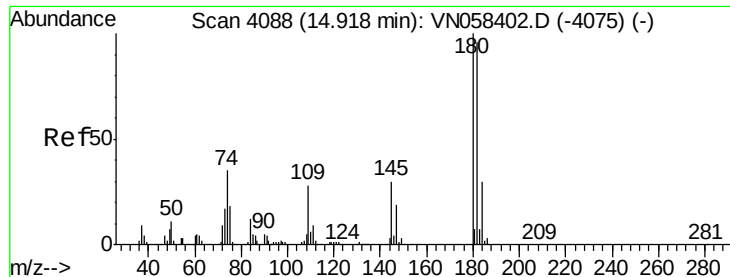
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	64.0	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.590 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	39.2	117.6
157	93.2	48.7	146.1

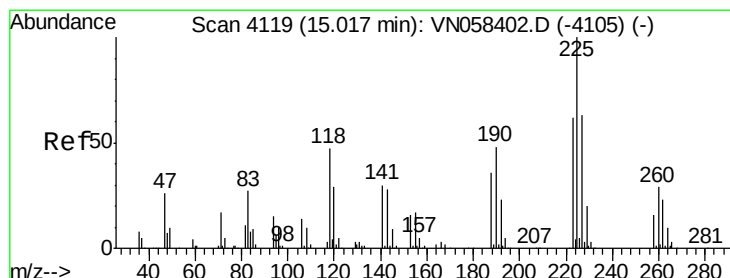
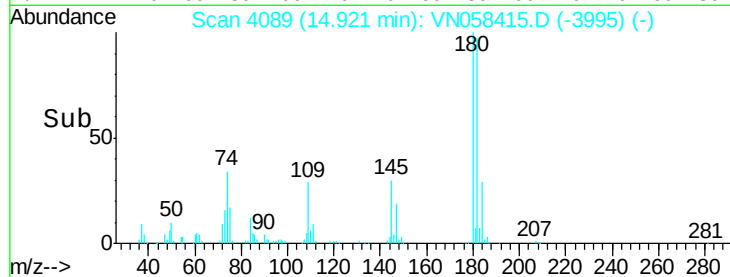
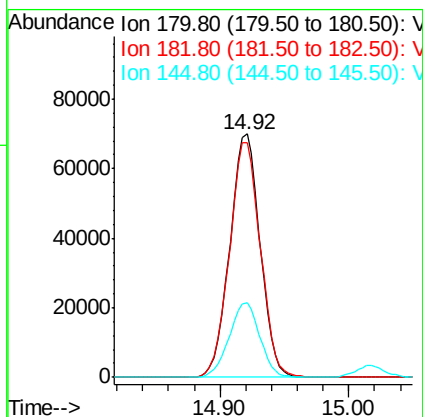
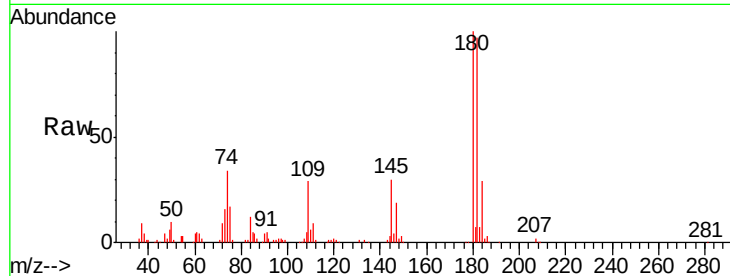




#93
 1,2,4-Trichlorobenzene
 Concen: 19.146 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

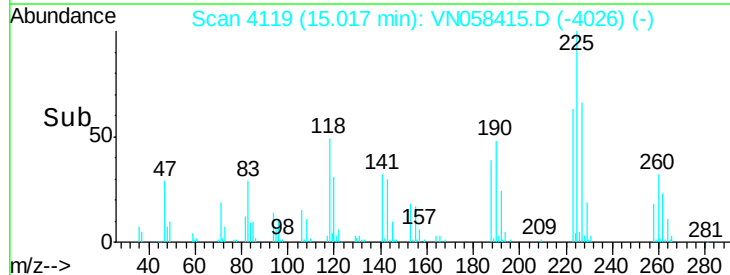
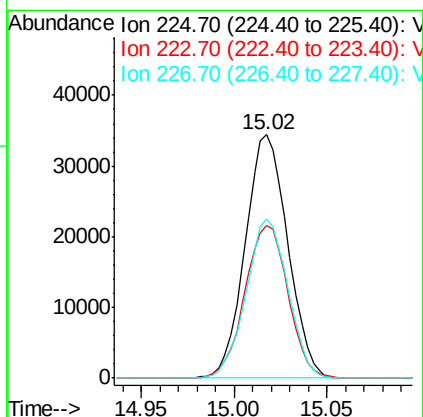
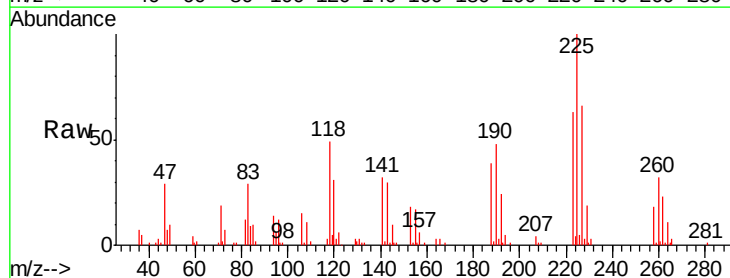
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

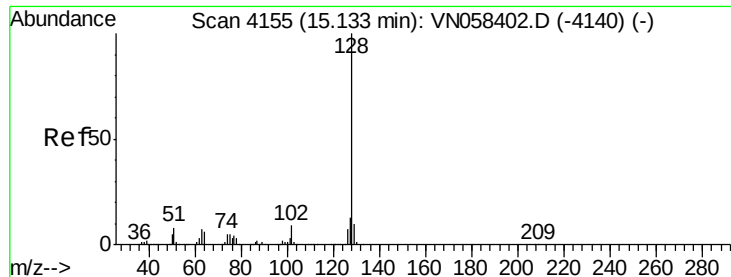
Tgt Ion:180 Resp: 113990
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.4 142.3
 145 30.9 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 19.121 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion:225 Resp: 55120
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.5
 227 64.2 31.4 94.2

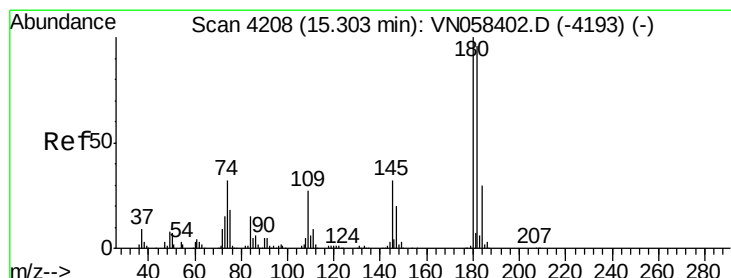
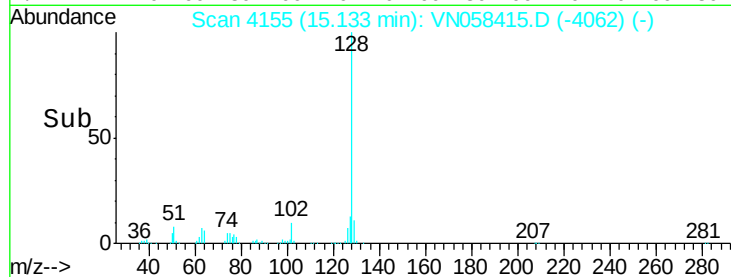
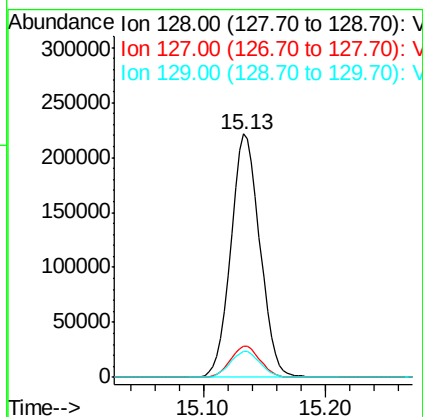
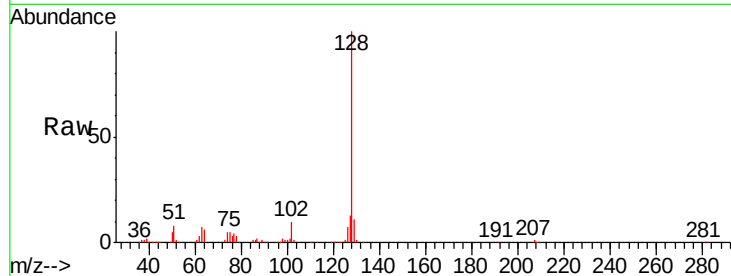




#95
Naphthalene
Concen: 23.828 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tgt Ion:128 Resp: 366811
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.524 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion:180 Resp: 109179
Ion Ratio Lower Upper
180 100
182 94.8 48.3 144.9
145 33.1 16.1 48.3

