

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056492.D
 Acq On : 25 Jun 2019 17:21
 Operator : JC/SP
 Sample : K3519-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Quant Time: Jun 26 03:44:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	351358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	547890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190551	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.59	113	170051	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	628947	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	216275	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132567	44.559	ug/l	98
3) Chloromethane	2.06	50	169278	41.787	ug/l	98
4) Vinyl Chloride	2.18	62	173375	44.312	ug/l	98
5) Bromomethane	2.52	94	96890	42.241	ug/l	97
6) Chloroethane	2.68	64	102352	45.172	ug/l	95
7) Trichlorofluoromethane	3.00	101	236273	46.684	ug/l	99
8) Diethyl Ether	3.41	74	102914	48.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150818	46.728	ug/l	99
10) Methyl Iodide	3.95	142	204111	46.790	ug/l	99
11) Tert butyl alcohol	4.80	59	195292	297.759	ug/l	99
12) 1,1-Dichloroethene	3.73	96	145503	46.878	ug/l	98
13) Acrolein	3.60	56	112347	203.240	ug/l	100
14) Allyl chloride	4.32	41	252772	48.923	ug/l	99
15) Acrylonitrile	4.99	53	463006	255.174	ug/l	100
16) Acetone	3.82	43	355763	182.348	ug/l	100
17) Carbon Disulfide	4.05	76	295790	41.899	ug/l	100
18) Methyl Acetate	4.33	43	197792	51.792	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	514511	50.096	ug/l	99
20) Methylene Chloride	4.55	84	174014	47.264	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	156979	46.910	ug/l	97
22) Diisopropyl ether	5.96	45	537158	49.503	ug/l	94
23) Vinyl Acetate	5.90	43	2261266	264.214	ug/l	100
24) 1,1-Dichloroethane	5.85	63	306373	49.187	ug/l	100
25) 2-Butanone	6.84	43	608229	235.549	ug/l	98
26) 2,2-Dichloropropane	6.82	77	216990	50.088	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	195694	49.984	ug/l	98
28) Bromochloromethane	7.19	49	145383	47.188	ug/l	99
29) Tetrahydrofuran	7.21	42	408762	259.041	ug/l	99
30) Chloroform	7.37	83	306377	49.848	ug/l	98
31) Cyclohexane	7.65	56	264670	44.014	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	243973	50.078	ug/l	100
36) 1,1-Dichloropropene	7.79	75	217231	45.046	ug/l	98
37) Ethyl Acetate	6.93	43	238733	50.374	ug/l	99
38) Carbon Tetrachloride	7.77	117	202422	48.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260827	43.833	ug/l	99
40) Benzene	8.04	78	692453	46.681	ug/l	99
41) Methacrylonitrile	7.18	41	97511	46.595	ug/l	98
42) 1,2-Dichloroethane	8.12	62	230425	47.069	ug/l	100
43) Isopropyl Acetate	8.17	43	397058	54.334	ug/l	98
44) Trichloroethene	8.83	130	186437	46.658	ug/l	97
45) 1,2-Dichloropropane	9.12	63	190971	48.139	ug/l	98
46) Dibromomethane	9.21	93	121538	48.969	ug/l	99
47) Bromodichloromethane	9.40	83	224762	51.060	ug/l	99
48) Methyl methacrylate	9.20	41	179181	48.929	ug/l	99
49) 1,4-Dioxane	9.20	88	76166	1002.247	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1174962	249.109	ug/l	99
52) Toluene	10.16	92	424676	46.827	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	241411	47.255	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	273700	51.632	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	183080	50.223	ug/l	99
56) Ethyl methacrylate	10.43	69	273063	51.256	ug/l	99
57) 1,3-Dichloropropane	10.71	76	299419	48.893	ug/l	100
59) 2-Hexanone	10.75	43	816593	235.561	ug/l	99
60) Dibromochloromethane	10.90	129	178810	47.830	ug/l	98
61) 1,2-Dibromoethane	11.00	107	183197	49.205	ug/l	99
64) Tetrachloroethene	10.63	164	169658	44.368	ug/l	99
65) Chlorobenzene	11.43	112	458480	47.254	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	171507	52.302	ug/l	99
67) Ethyl Benzene	11.51	91	802758	47.121	ug/l	100
68) m/p-Xylenes	11.62	106	597427	95.691	ug/l	99
69) o-Xylene	11.95	106	293647	47.541	ug/l	100
70) Stvrene	11.96	104	491065	49.738	ug/l	99
71) Bromoform	12.13	173	123767	46.988	ug/l #	99
73) Isopropylbenzene	12.25	105	783269	52.060	ug/l	100
74) N-amyl acetate	12.07	43	303776	47.549	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	255272	54.996	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	297278	71.421	ug/l #	100
77) Bromobenzene	12.53	156	205580	45.801	ug/l	98
78) n-propylbenzene	12.59	91	843193	45.868	ug/l	100
79) 2-Chlorotoluene	12.67	91	513844	51.028	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	646024	51.190	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	64121	54.752	ug/l	94
82) 4-Chlorotoluene	12.77	91	503489	46.387	ug/l	100
83) tert-Butylbenzene	12.99	119	573359	52.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	617375	45.685	ug/l	99
85) sec-Butylbenzene	13.17	105	727781	45.043	ug/l	100
86) p-Isopropyltoluene	13.29	119	638424	46.041	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	324384	47.688	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	310673	47.159	ug/l	99
89) n-Butylbenzene	13.61	91	469290	44.706	ug/l	100
90) Hexachloroethane	13.87	117	108258	50.077	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	323357	47.914	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39202	52.779	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	136586	40.114	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 2019
Response via : Initial Calibration

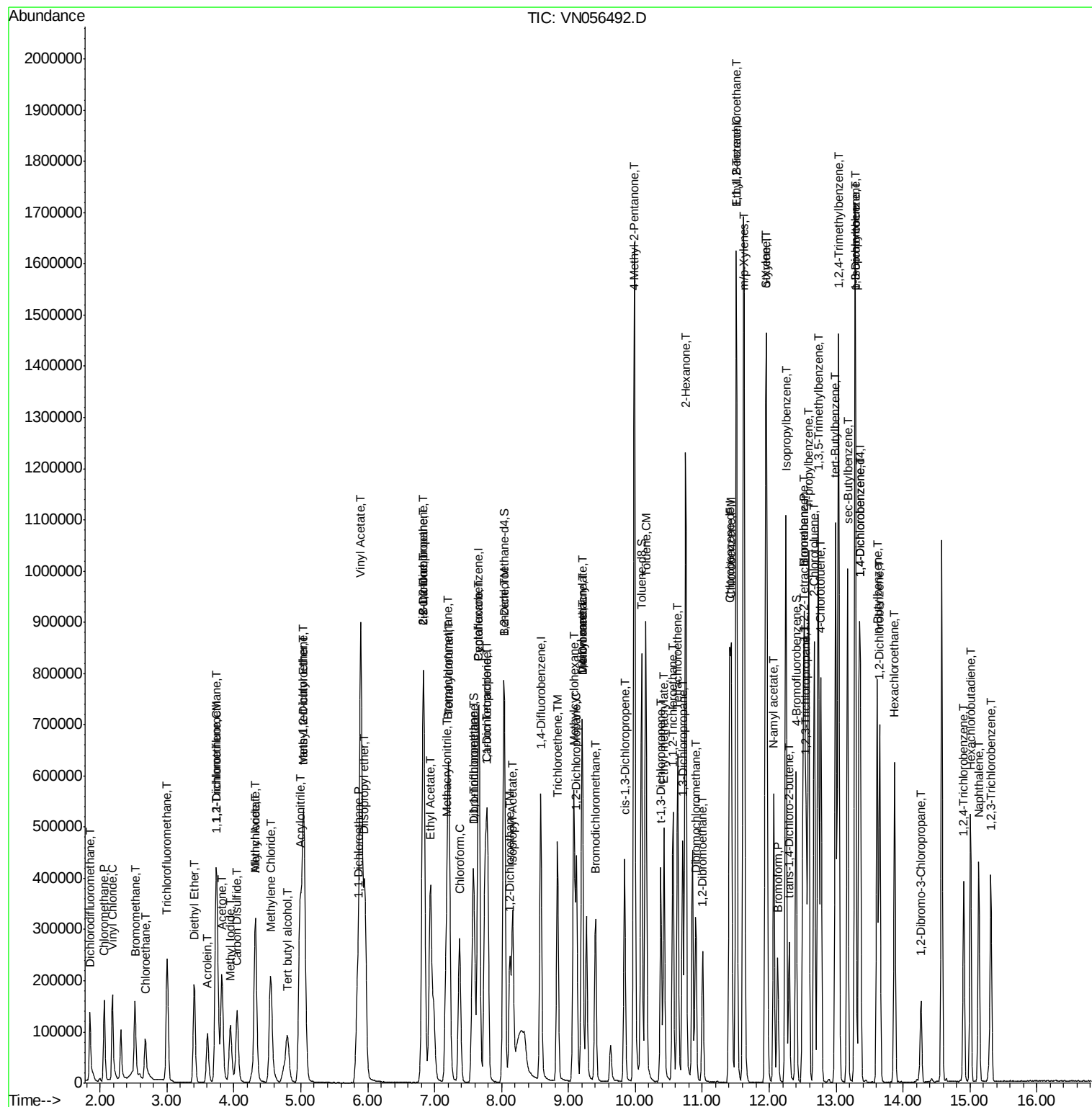
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	112233	49.037	ug/l	99
95) Naphthalene	15.13	128	383270	42.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	155317	43.310	ug/l	98

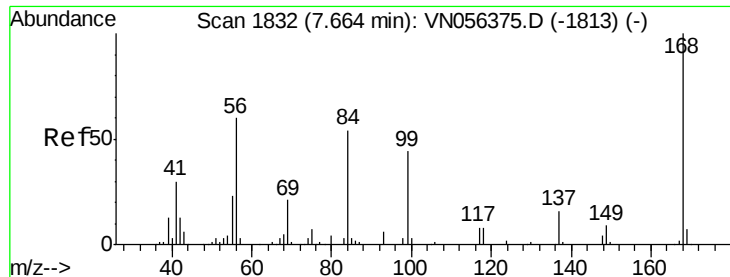
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

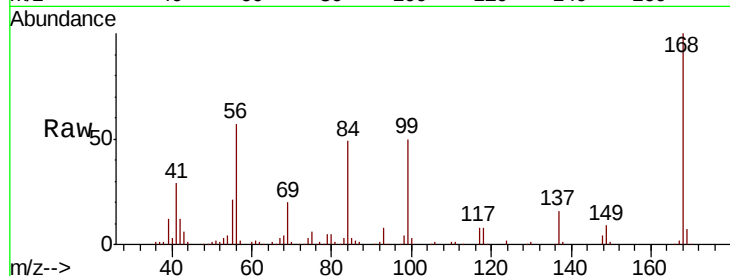
SP-19-LF2MW2MSD

Tot Ion:168 Resp: 351358

Ion Ratio Lower Upper

168 100

99 49.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

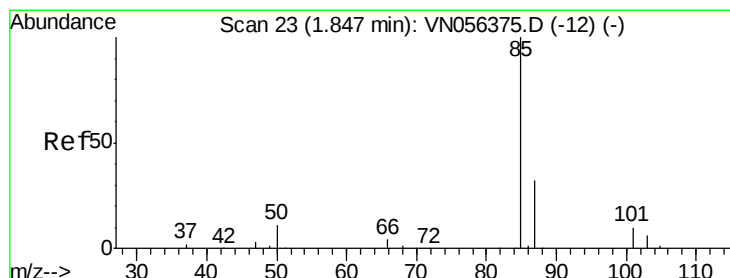
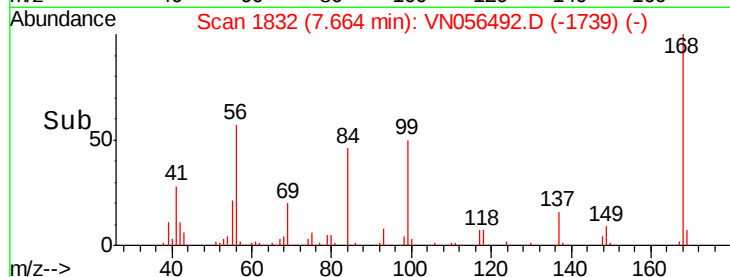
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.559 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056492.D

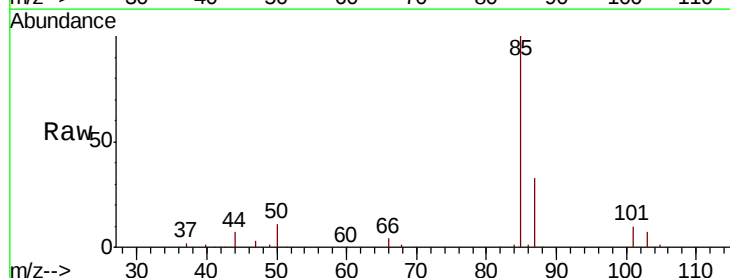
Acq: 25 Jun 2019 17:21

Tgt Ion: 85 Resp: 132567

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

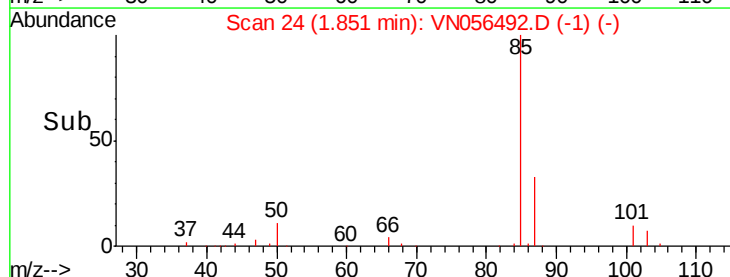
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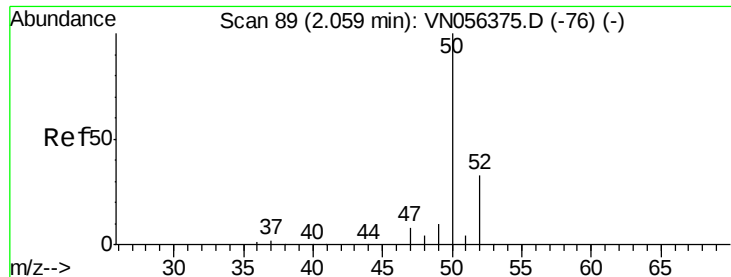
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 41.787 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

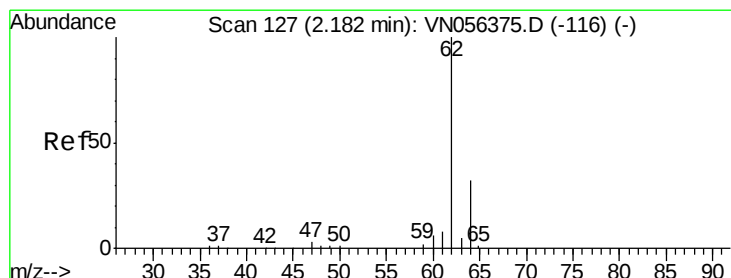
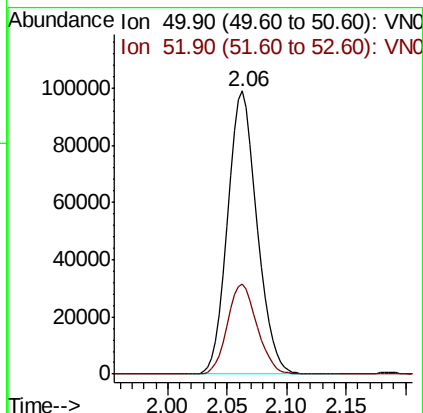
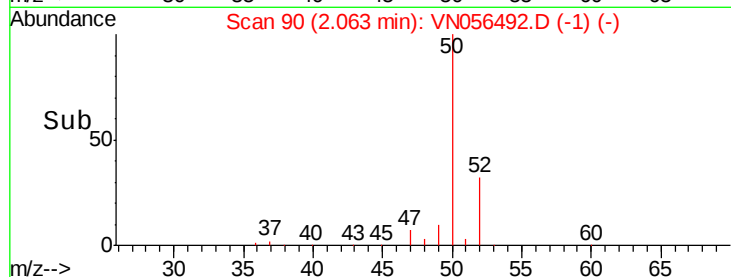
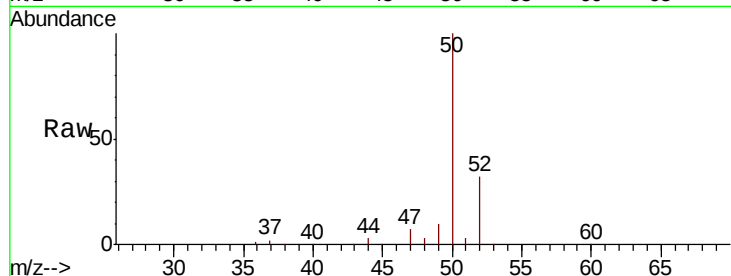
SP-19-LF2MW2MSD

Tot Ion: 50 Resp: 169278

Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7



#4

Vinyl Chloride

Concen: 44.312 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056492.D

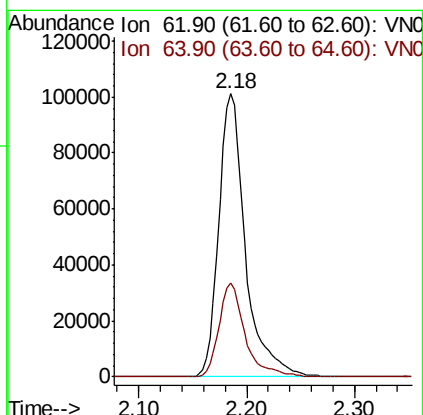
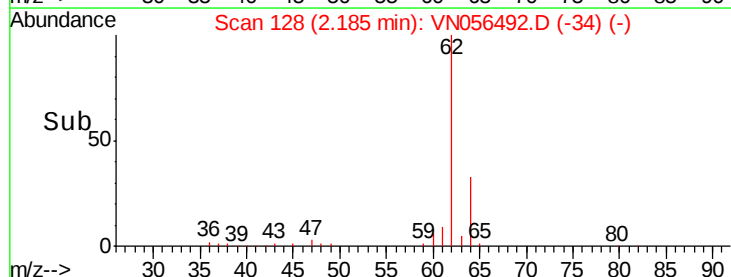
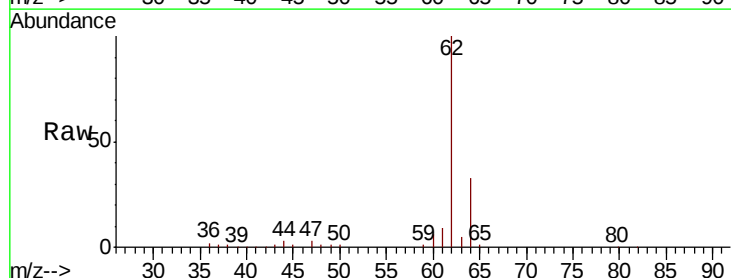
Acq: 25 Jun 2019 17:21

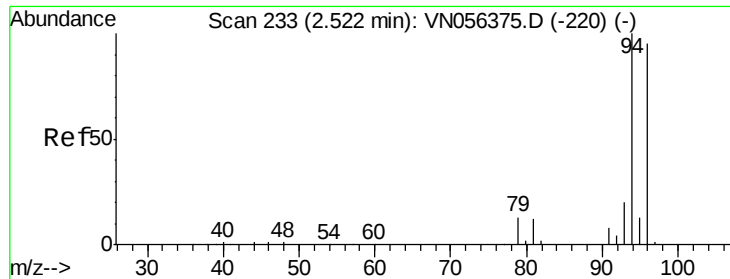
Tgt Ion: 62 Resp: 173375

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5

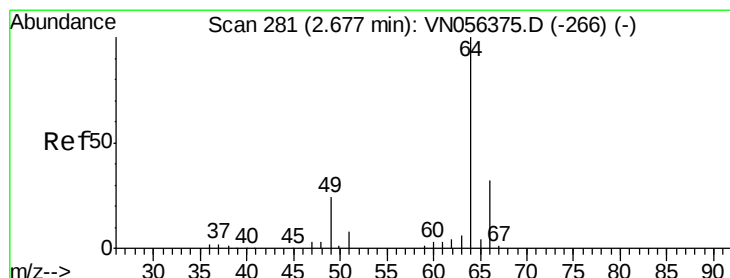
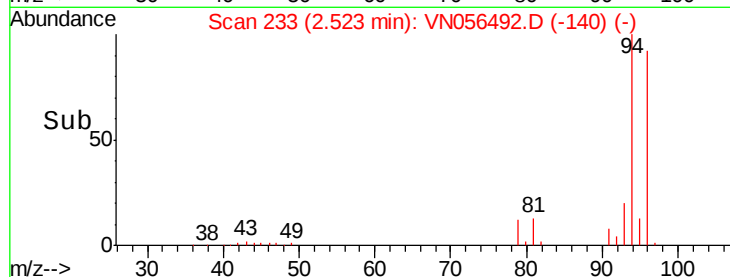
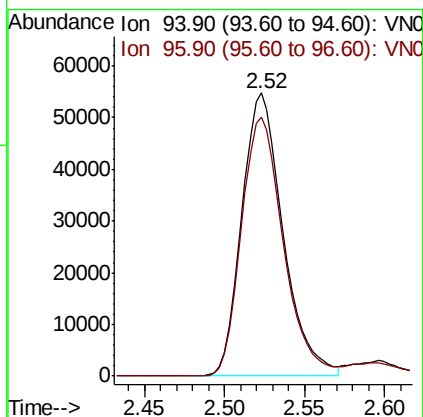
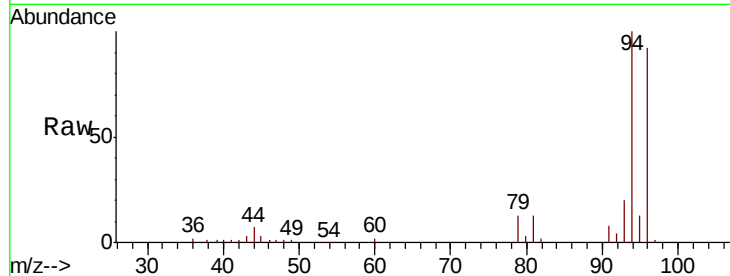




#5
Bromomethane
Concen: 42.241 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

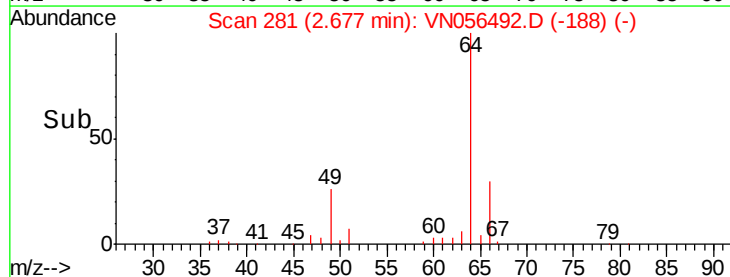
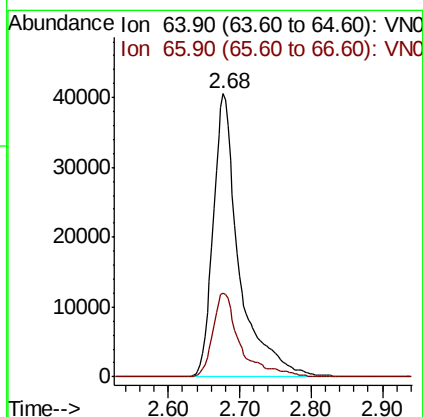
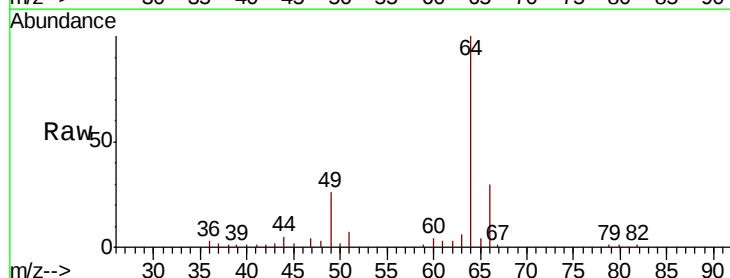
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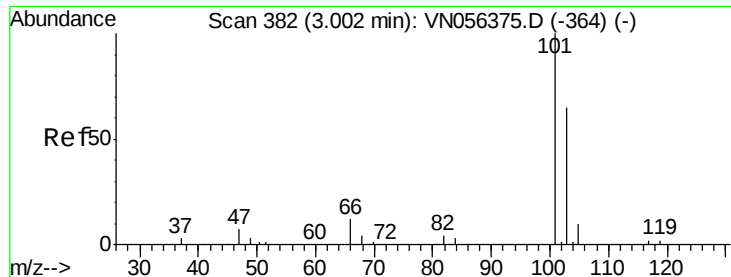
Tot Ion: 94 Resp: 96890
Ion Ratio Lower Upper
94 100
96 91.7 76.0 114.0



#6
Chloroethane
Concen: 45.172 ug/l
RT: 2.68 min Scan# 281
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 64 Resp: 102352
Ion Ratio Lower Upper
64 100
66 29.6 25.8 38.8



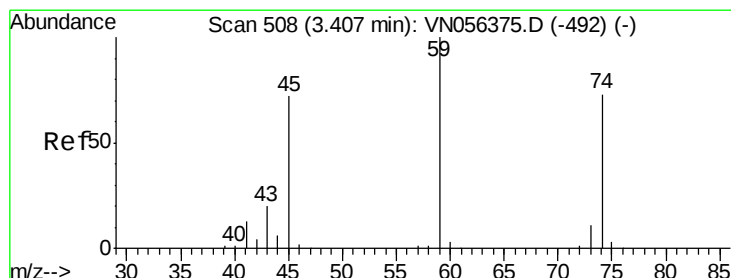
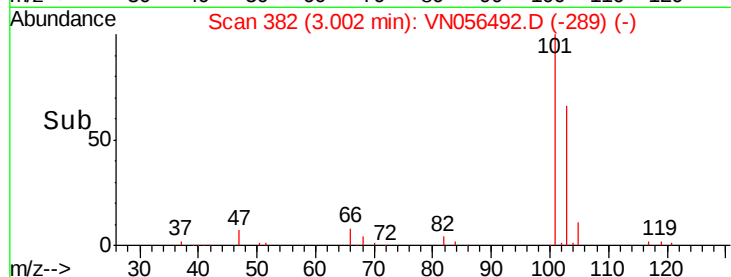
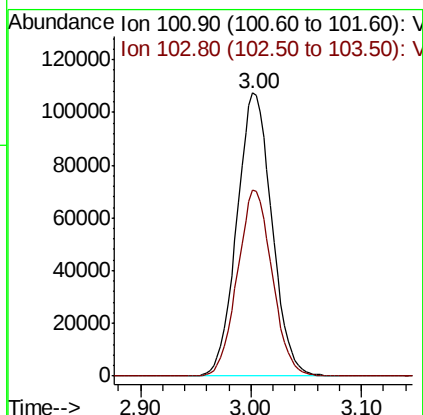
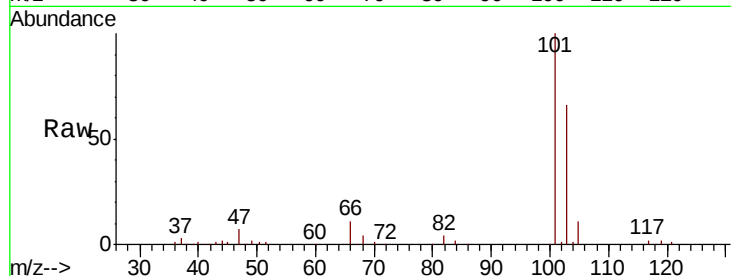


#7

Trichlorofluoromethane
Concen: 46.684 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

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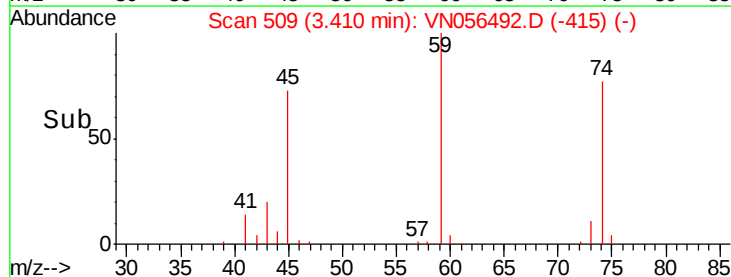
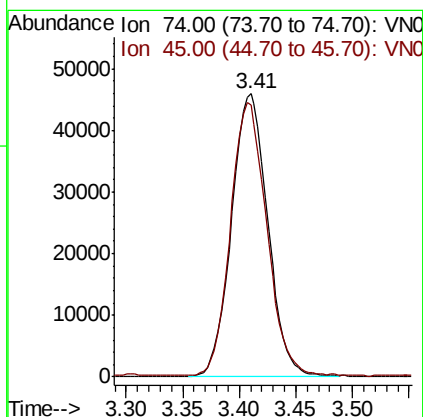
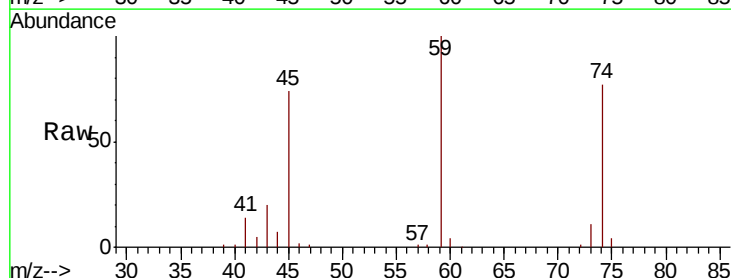
Tot Ion:101 Resp: 236273
Ion Ratio Lower Upper
101 100
103 65.7 51.7 77.5

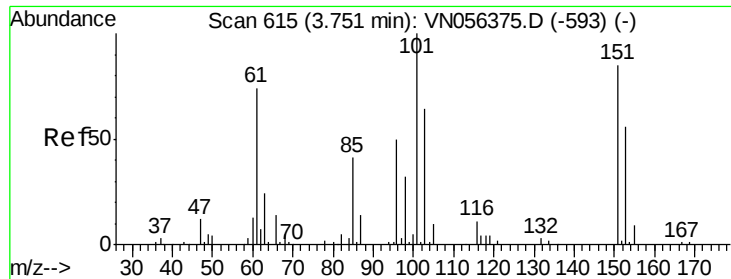


#8

Diethyl Ether
Concen: 48.046 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 74 Resp: 102914
Ion Ratio Lower Upper
74 100
45 96.0 48.9 146.6

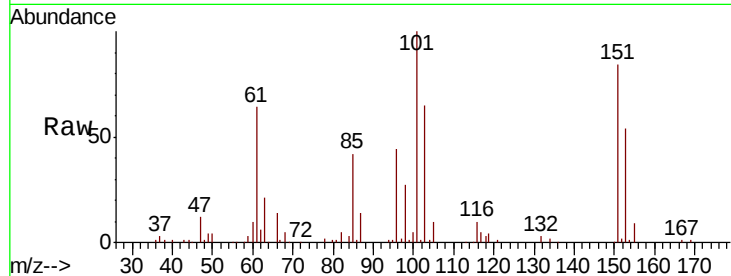




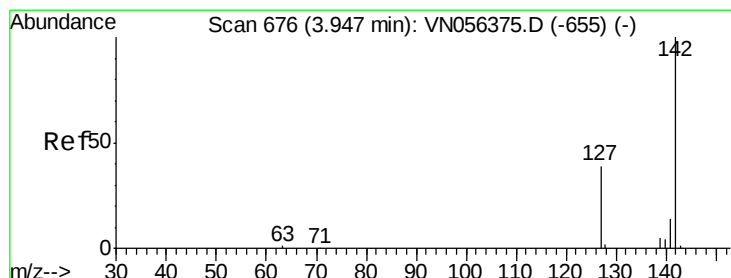
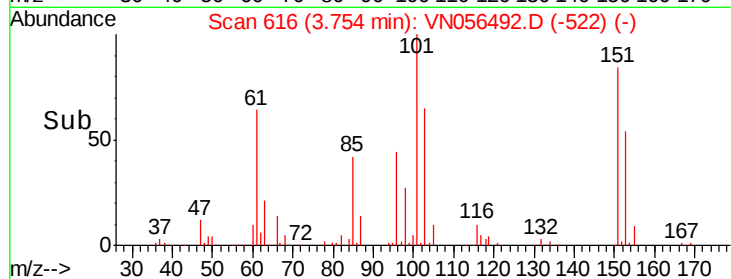
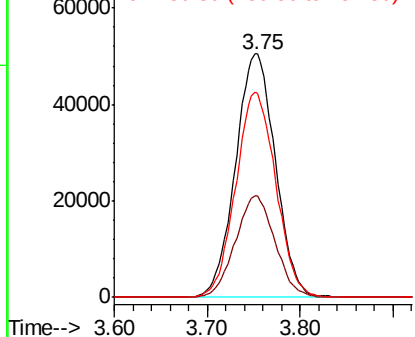
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.728 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion:101 Resp: 150818
 Ion Ratio Lower Upper
 101 100
 85 41.5 32.7 49.1
 151 84.6 66.8 100.2

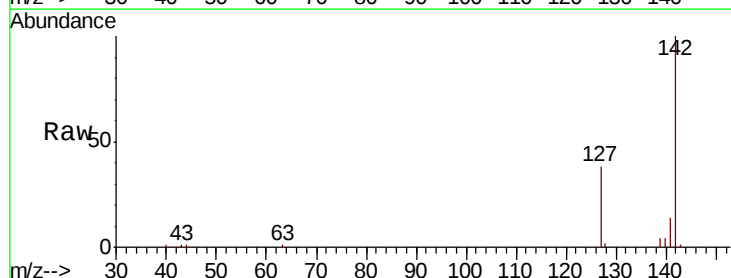


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

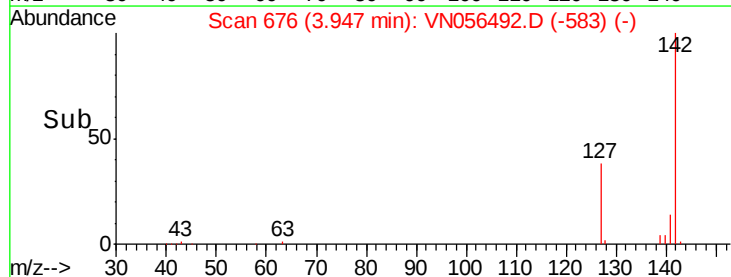
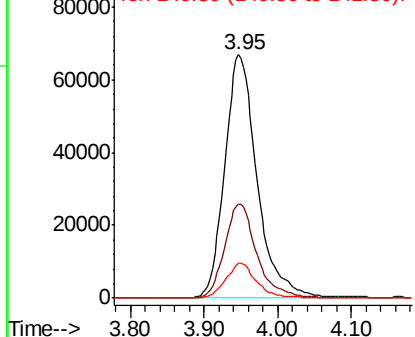


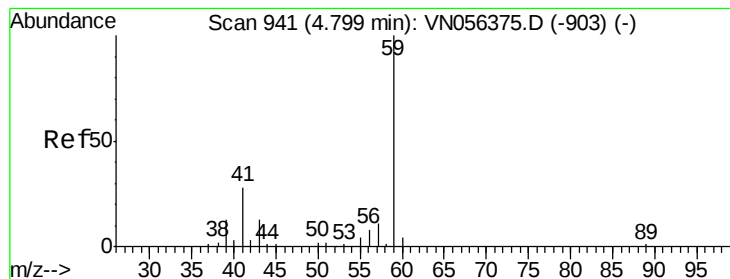
#10
 Methyl Iodide
 Concen: 46.790 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion:142 Resp: 204111
 Ion Ratio Lower Upper
 142 100
 127 38.6 30.6 46.0
 141 13.7 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



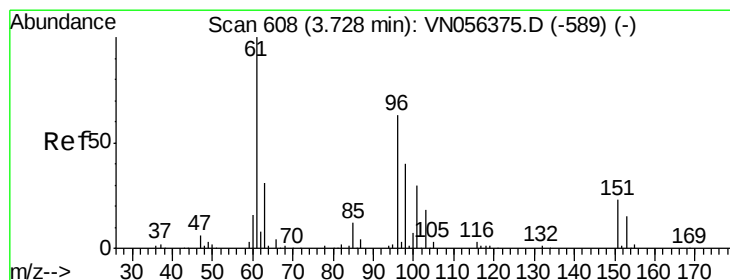
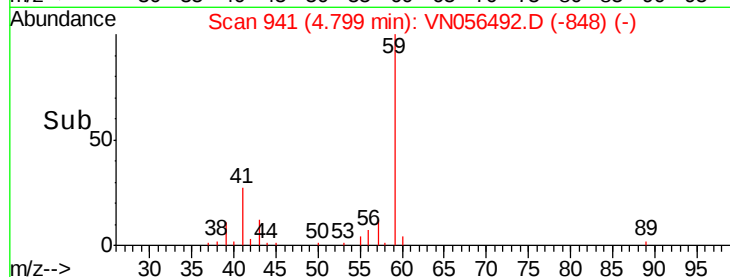
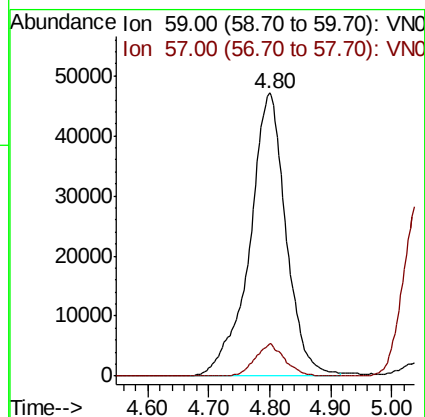
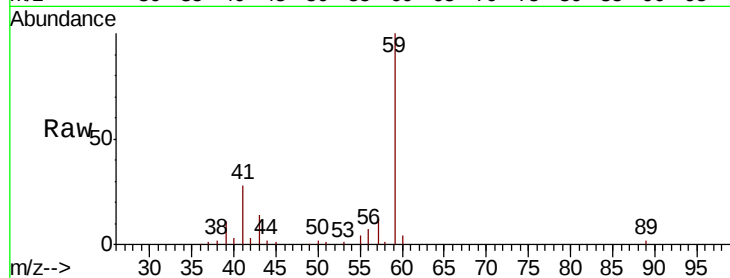


#11

Tert butyl alcohol
Concen: 297.759 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

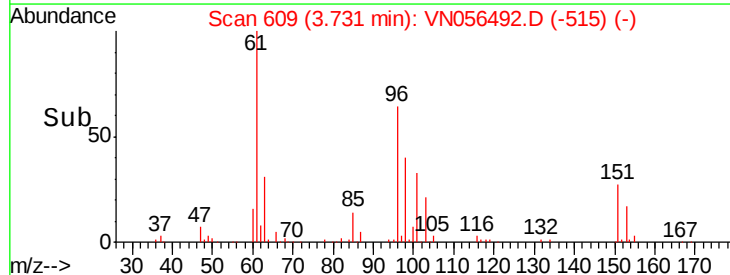
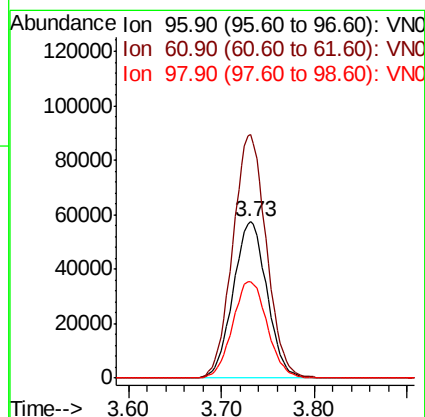
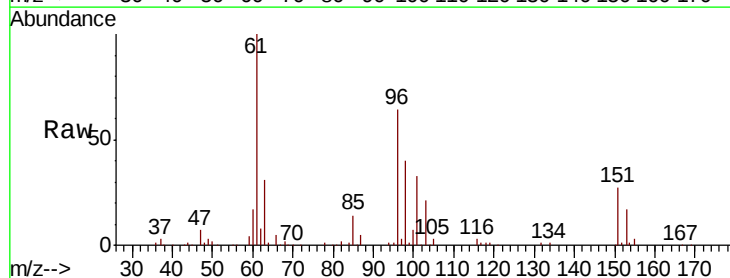
Tot Ion: 59 Resp: 195292
Ion Ratio Lower Upper
59 100
57 9.3 7.6 11.4

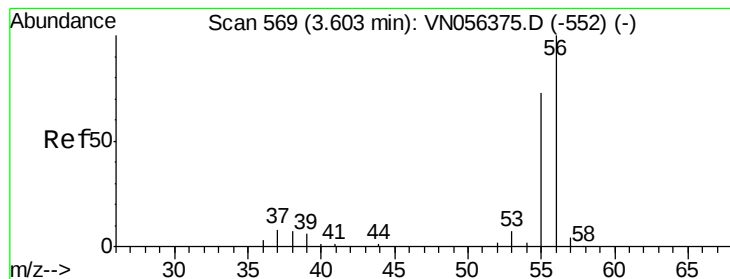


#12

1,1-Dichloroethene
Concen: 46.878 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 96 Resp: 145503
Ion Ratio Lower Upper
96 100
61 155.8 126.6 190.0
98 61.8 51.1 76.7





#13

Acrolein

Concen: 203.240 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

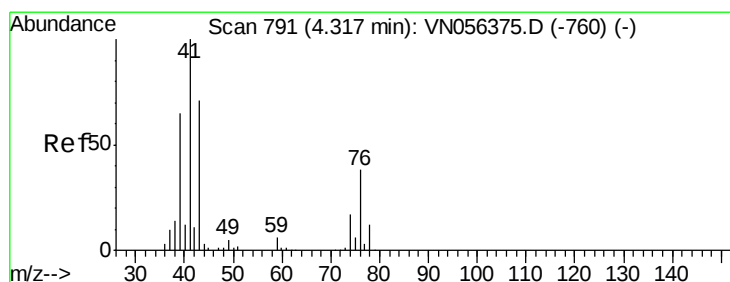
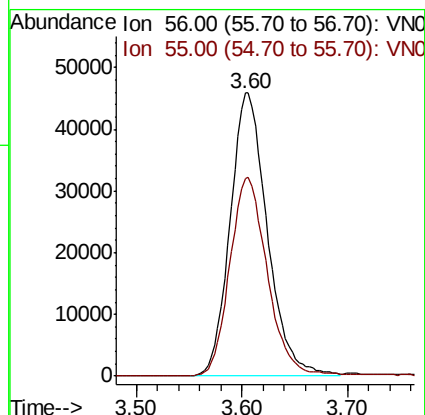
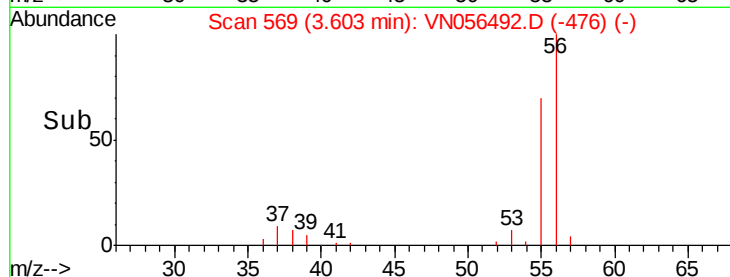
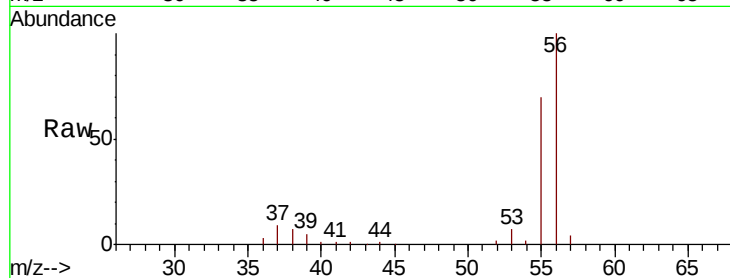
SP-19-LF2MW2MSD

Tot Ion: 56 Resp: 112347

Ion Ratio Lower Upper

56 100

55 71.0 57.1 85.7



#14

Allyl chloride

Concen: 48.923 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

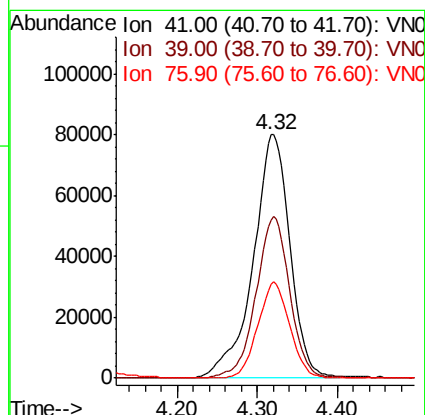
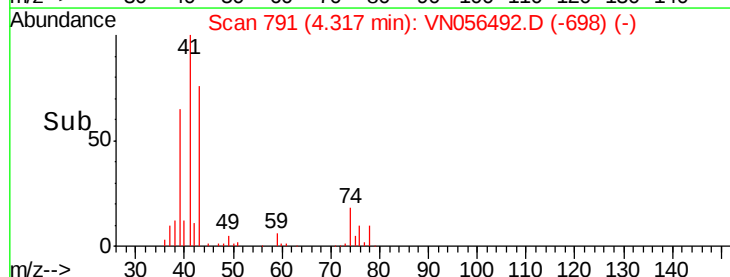
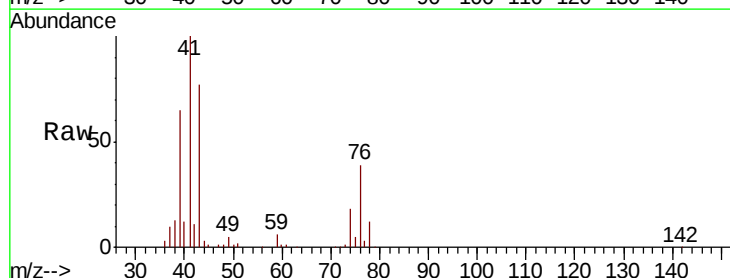
Tgt Ion: 41 Resp: 252772

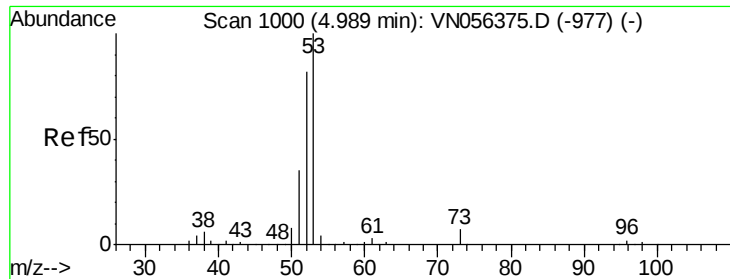
Ion Ratio Lower Upper

41 100

39 61.0 48.6 73.0

76 33.9 26.6 40.0

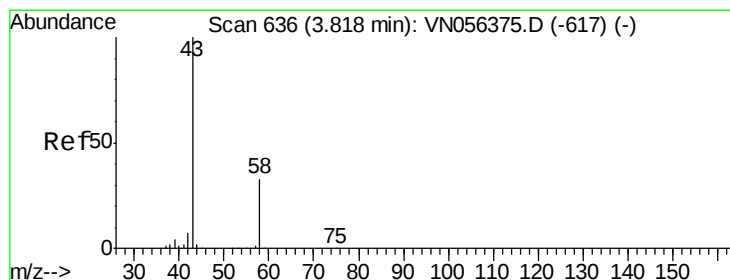
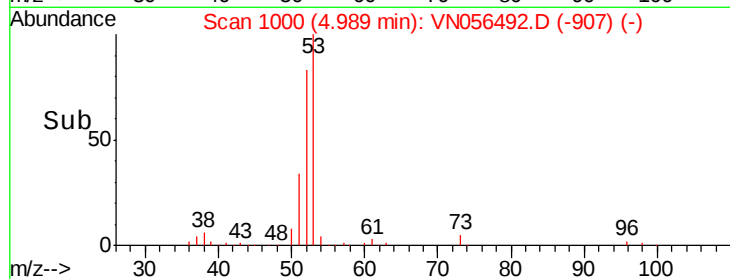
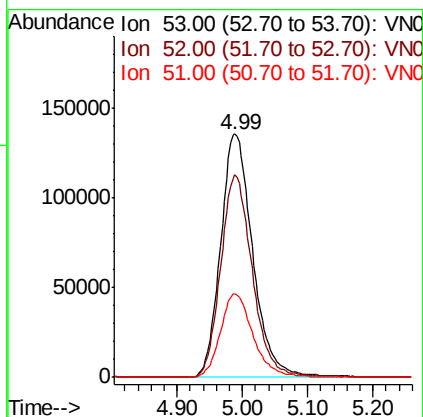
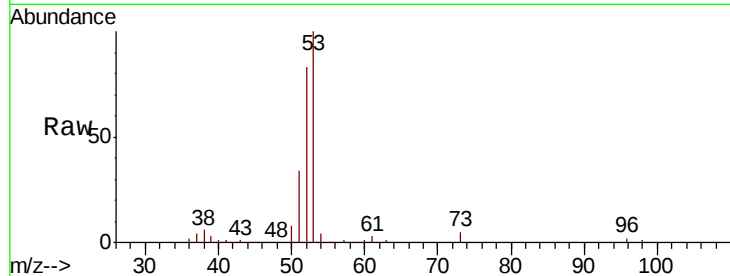




#15
 Acrylonitrile
 Concen: 255.174 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

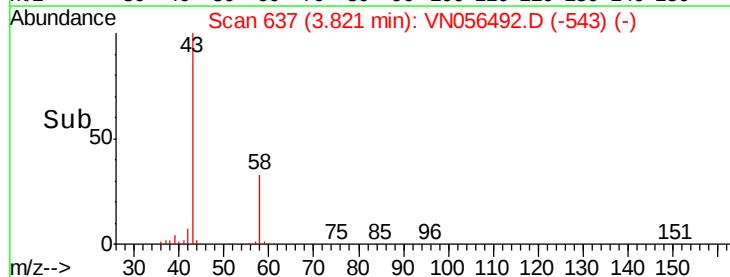
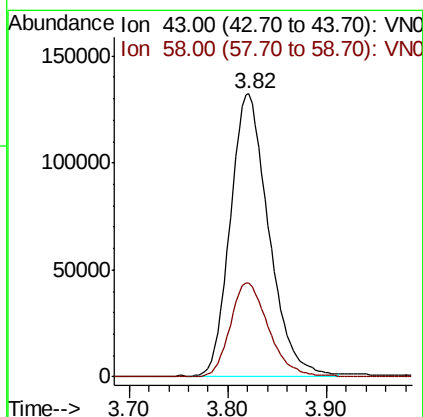
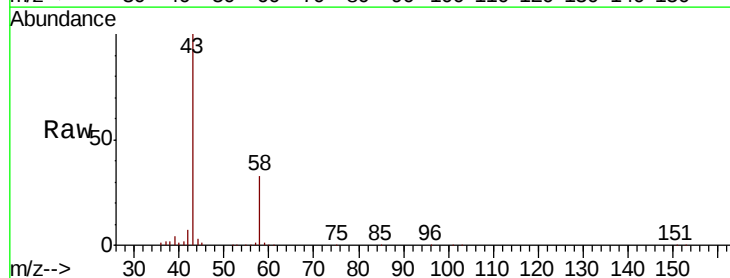
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

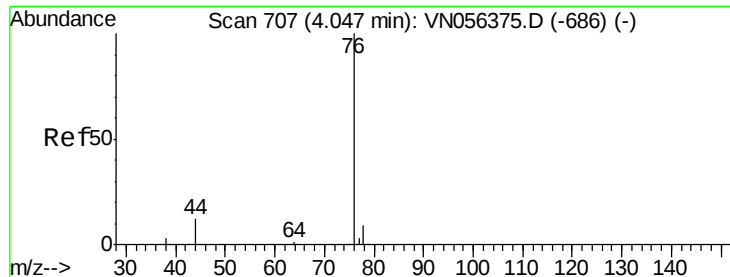
Tot Ion: 53 Resp: 463006
 Ion Ratio Lower Upper
 53 100
 52 82.2 65.9 98.9
 51 34.9 28.3 42.5



#16
 Acetone
 Concen: 182.348 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion: 43 Resp: 355763
 Ion Ratio Lower Upper
 43 100
 58 32.9 26.4 39.6

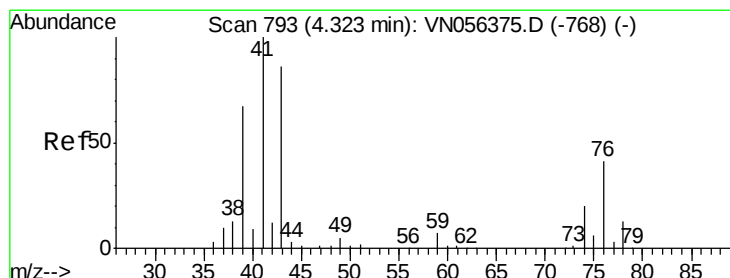
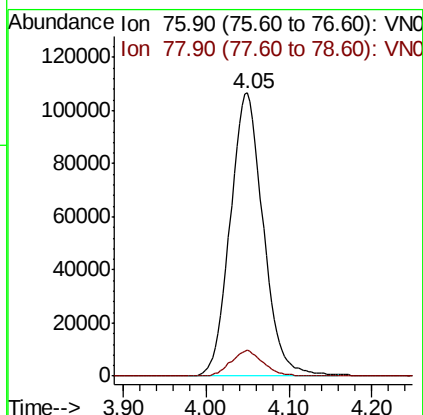
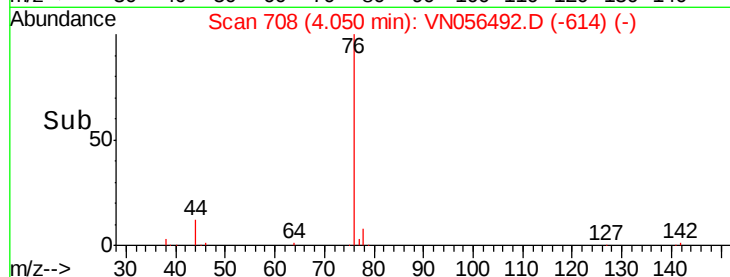
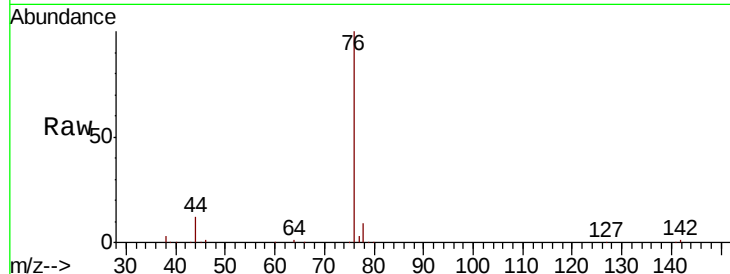




#17
Carbon Disulfide
Concen: 41.899 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

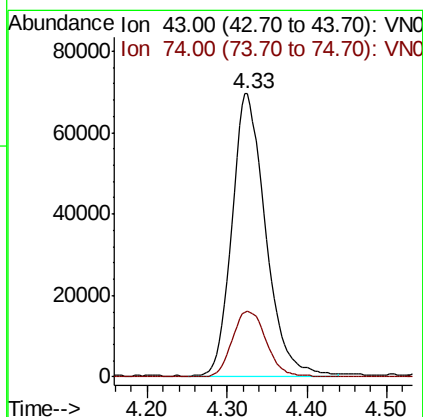
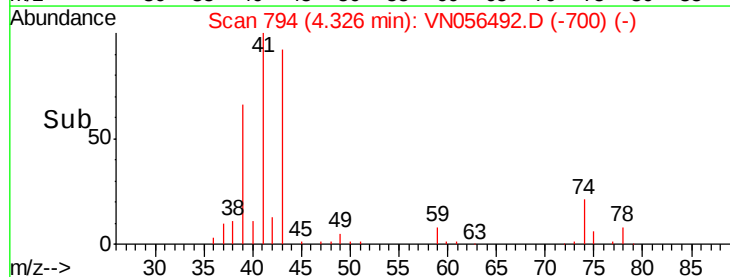
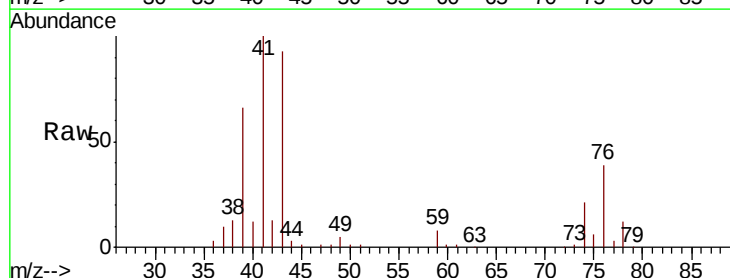
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

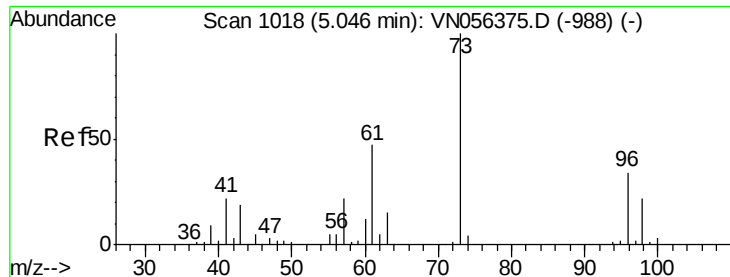
Tot Ion: 76 Resp: 295790
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 51.792 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 43 Resp: 197792
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8

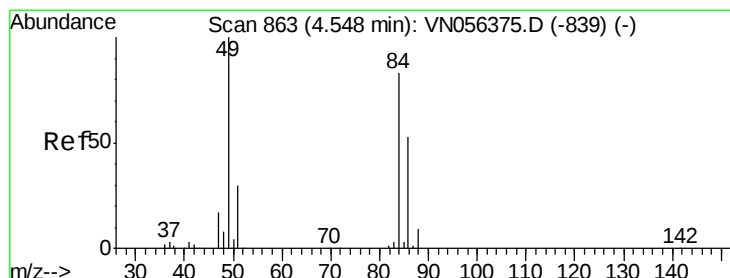
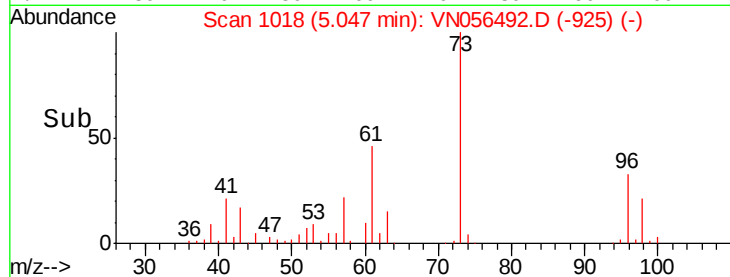
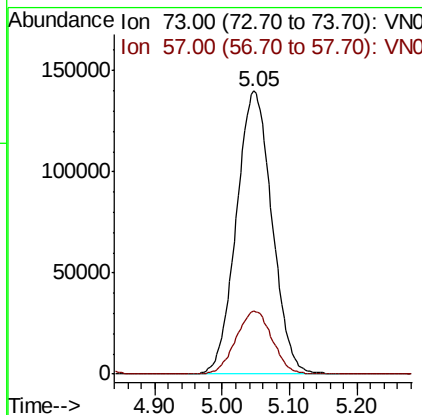
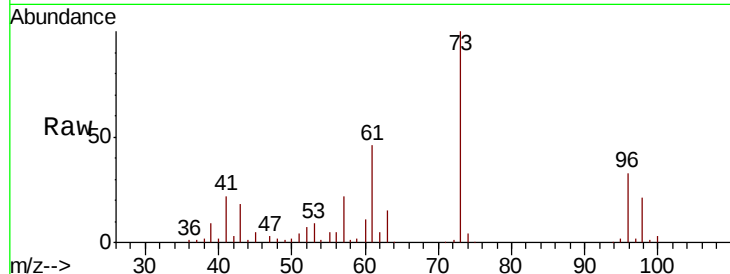




#19
Methvl tert-butvl Ether
Concen: 50.096 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

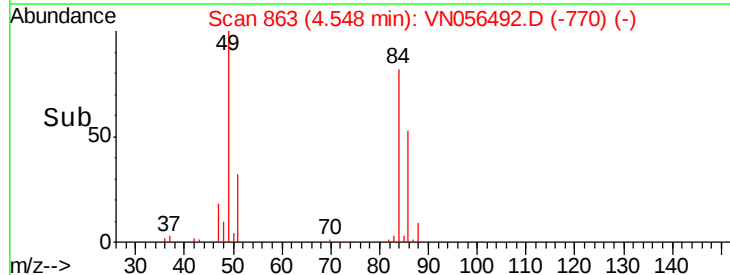
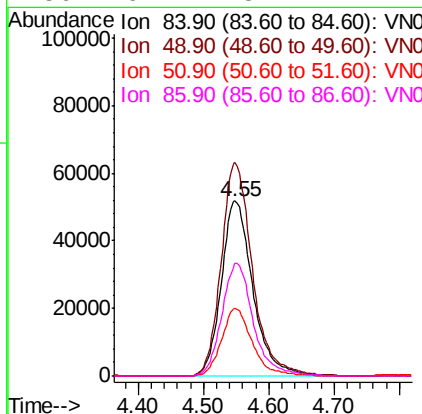
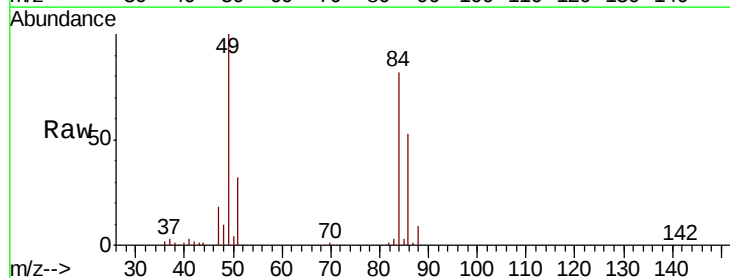
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

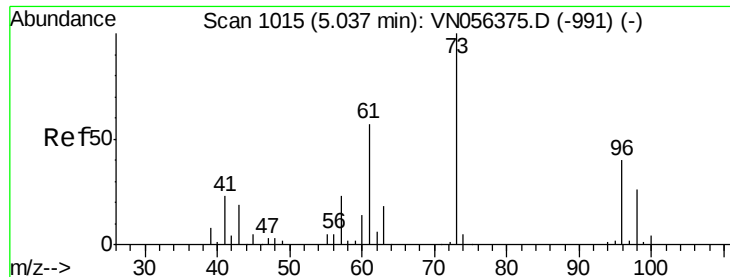
Tot Ion: 73 Resp: 514511
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9



#20
Methylene Chloride
Concen: 47.264 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 84 Resp: 174014
Ion Ratio Lower Upper
84 100
49 121.9 96.4 144.6
51 38.7 28.6 43.0
86 64.1 51.4 77.2

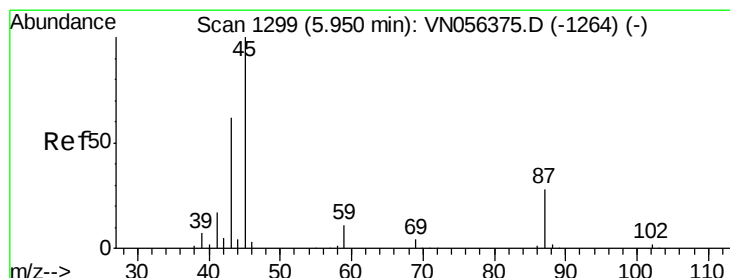
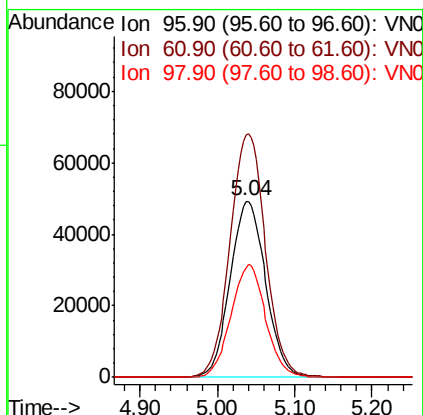
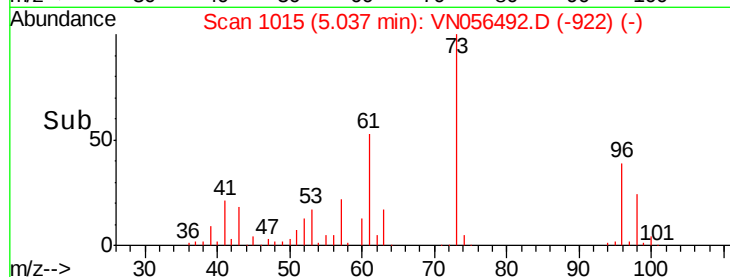
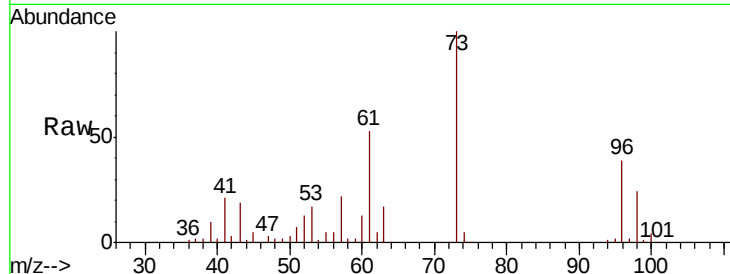




#21
trans-1,2-Dichloroethene
Concen: 46.910 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

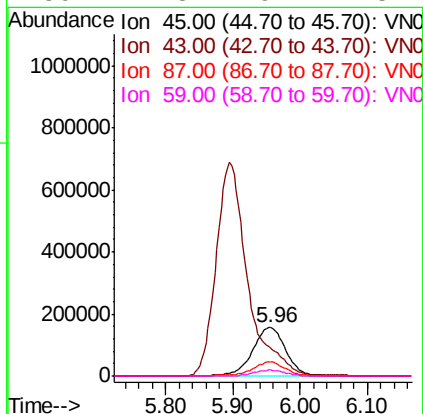
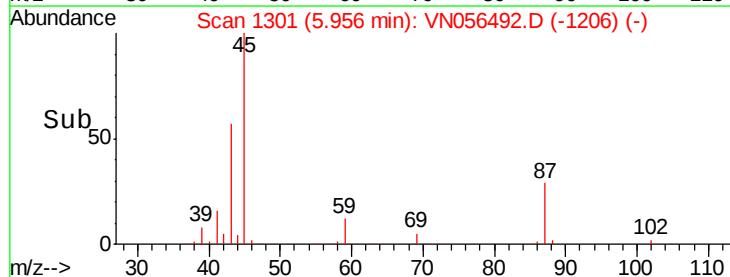
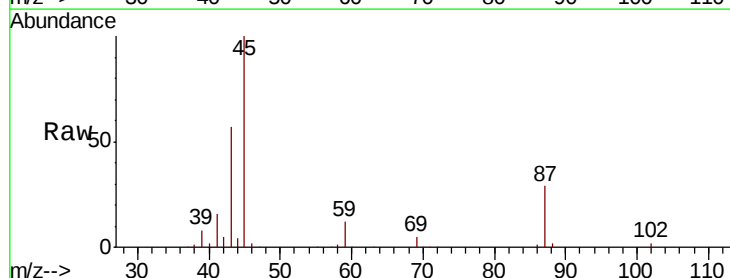
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

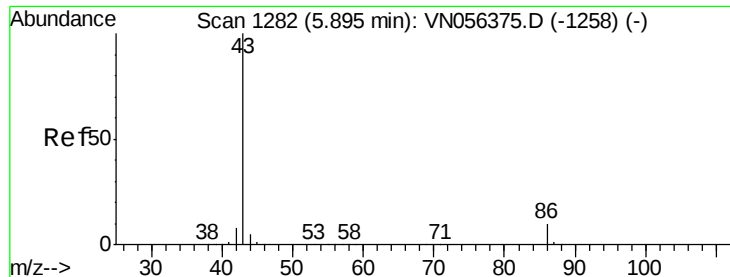
Tot Ion: 96 Resp: 156979
Ion Ratio Lower Upper
96 100
61 137.3 113.0 169.6
98 62.1 52.2 78.2



#22
Diisopropyl ether
Concen: 49.503 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 45 Resp: 537158
Ion Ratio Lower Upper
45 100
43 56.2 50.4 75.6
87 28.5 23.0 34.4
59 11.8 9.1 13.7





#23

Vinyl Acetate

Concen: 264.214 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

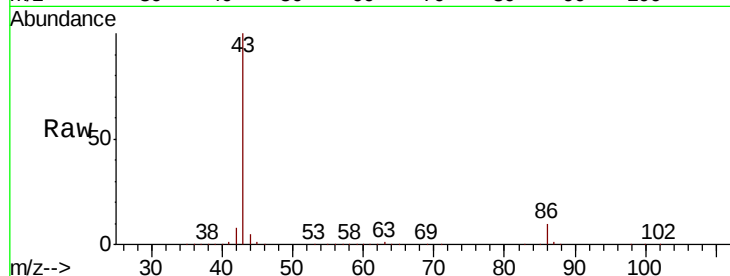
SP-19-LF2MW2MSD

Tot Ion: 43 Resp: 2261266

Ion Ratio Lower Upper

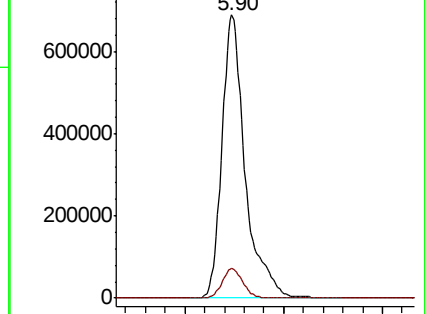
43 100

86 10.4 8.3 12.5

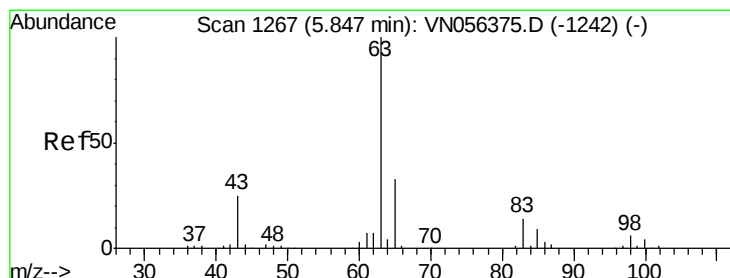
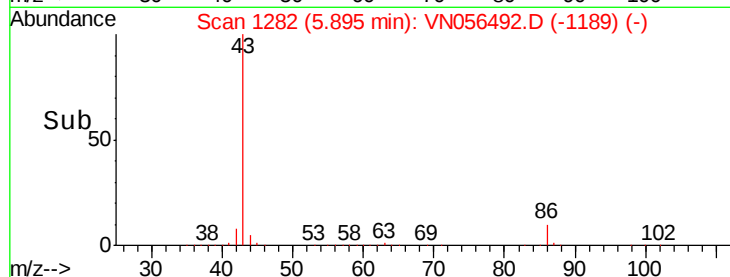


Abundance Ion 43.00 (42.70 to 43.70): VN056492.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN056492.D (-1189) (-)



Time-->



#24

1,1-Dichloroethane

Concen: 49.187 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

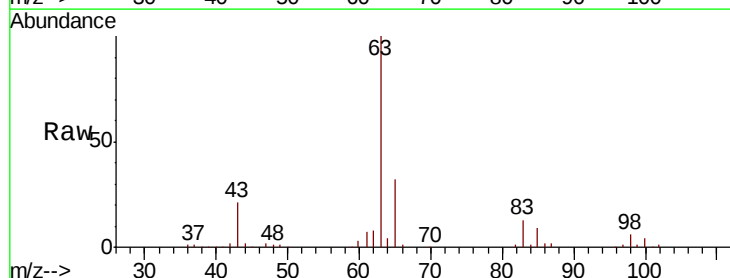
Tgt Ion: 63 Resp: 306373

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

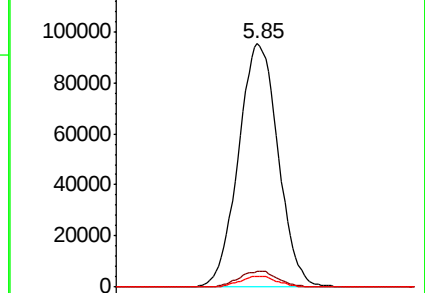
100 4.4 2.1 6.5



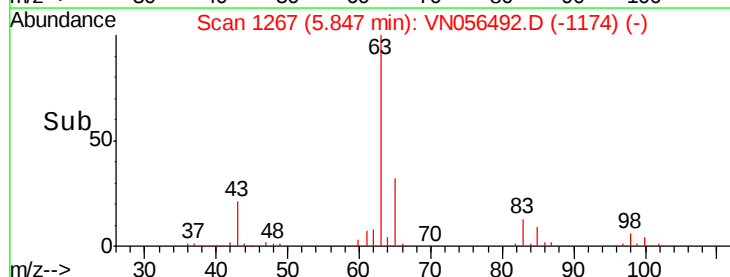
Abundance Ion 62.90 (62.60 to 63.60): VN056492.D (-1174) (-)

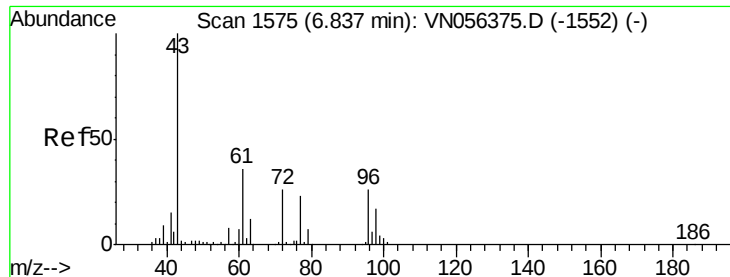
Ion 97.90 (97.60 to 98.60): VN056492.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN056492.D (-1174) (-)



Time-->

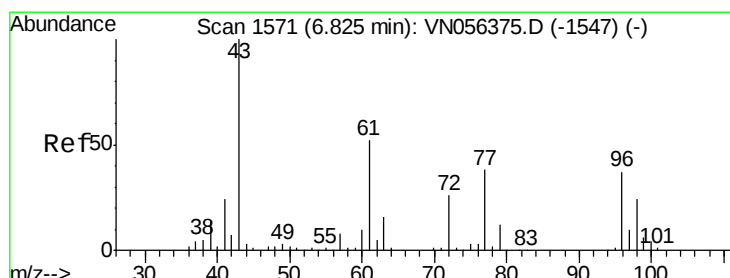
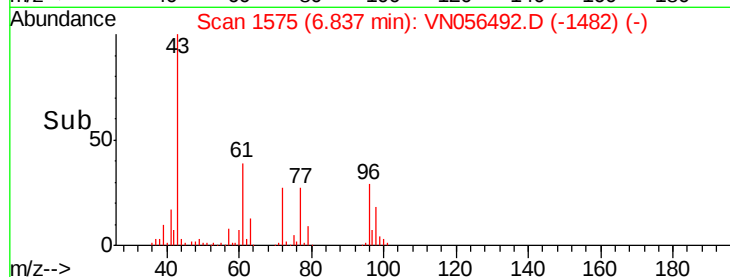
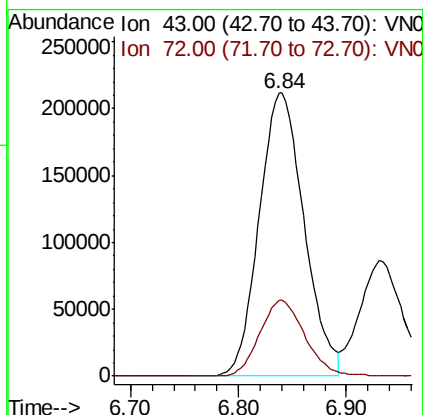
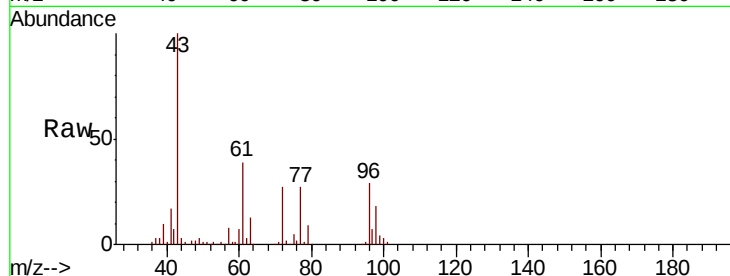




#25
2-Butanone
Concen: 235.549 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

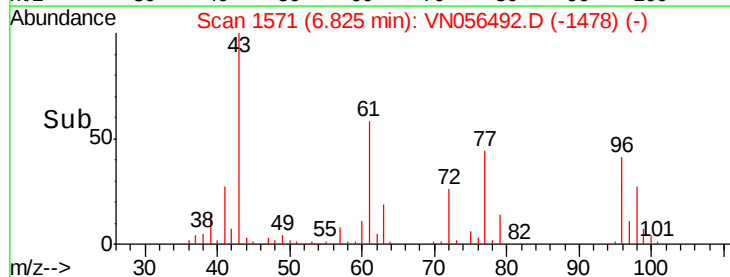
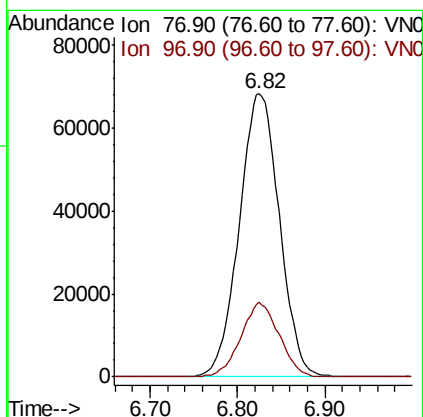
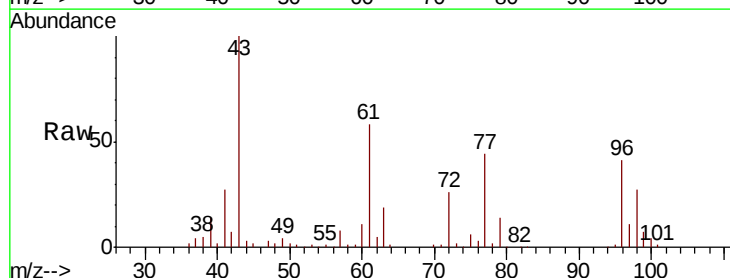
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

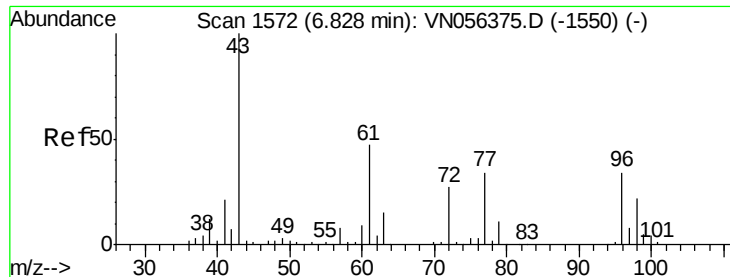
Tot Ion: 43 Resp: 608229
Ion Ratio Lower Upper
43 100
72 26.8 20.6 31.0



#26
2,2-Dichloropropane
Concen: 50.088 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 77 Resp: 216990
Ion Ratio Lower Upper
77 100
97 25.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.984 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

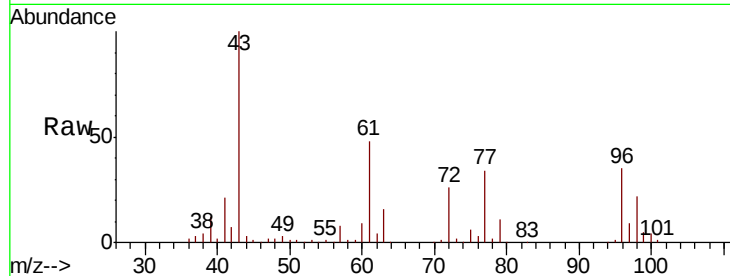
Tot Ion: 96 Resp: 195694

Ion Ratio Lower Upper

96 100

61 137.4 0.0 279.8

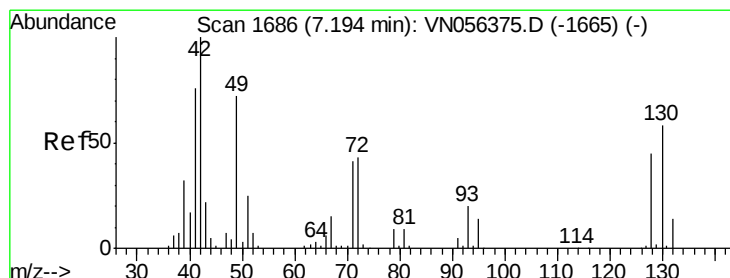
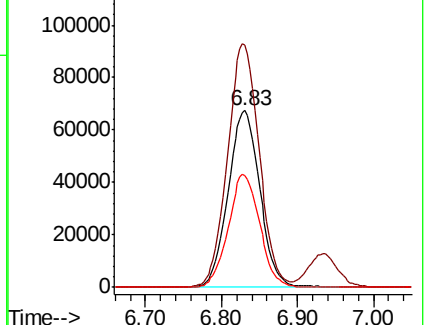
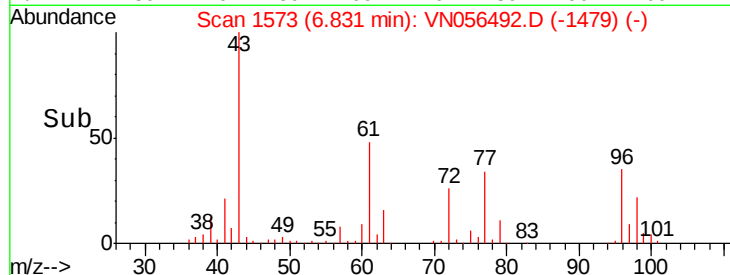
98 63.3 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN056492.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN056492.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN056492.D (-1479) (-)



#28

Bromochloromethane

Concen: 47.188 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

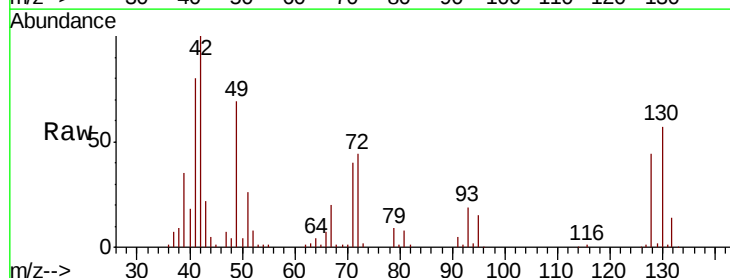
Tgt Ion: 49 Resp: 145383

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

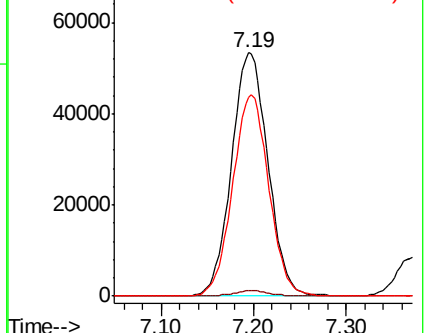
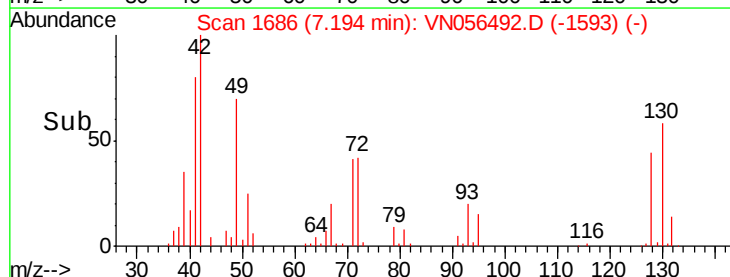
130 82.1 64.9 97.3

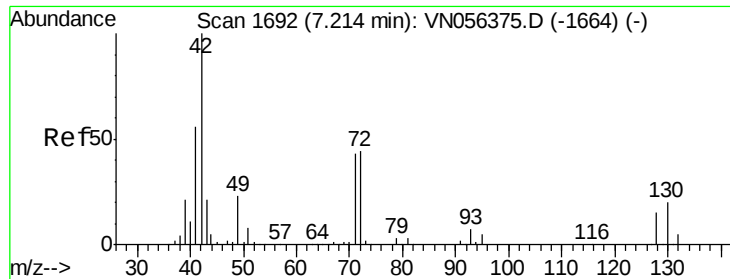


Abundance Ion 48.90 (48.60 to 49.60): VN056492.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN056492.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN056492.D (-1593) (-)





#29

Tetrahydrofuran

Concen: 259.041 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

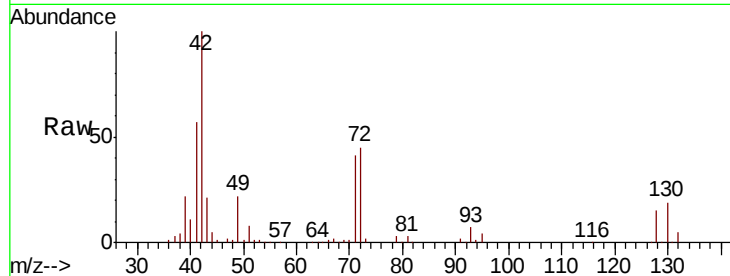
Tot Ion: 42 Resp: 408762

Ion Ratio Lower Upper

42 100

72 43.1 34.7 52.1

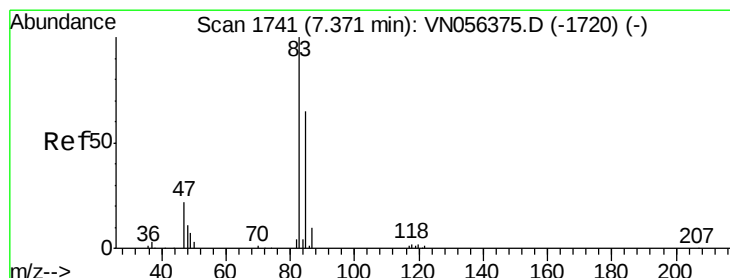
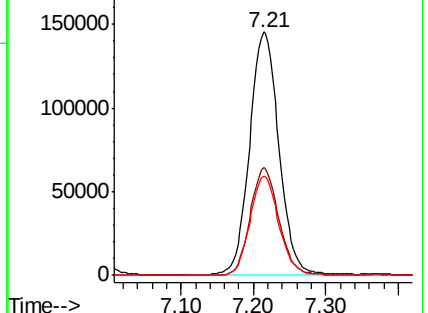
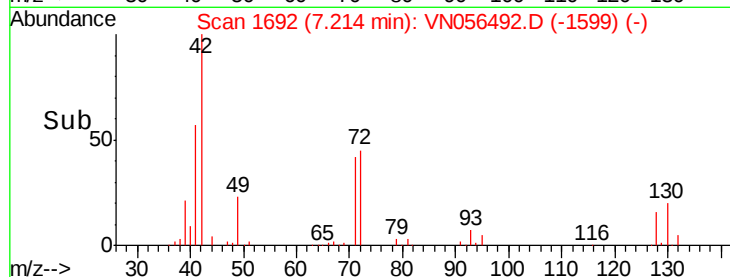
71 40.2 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.848 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056492.D

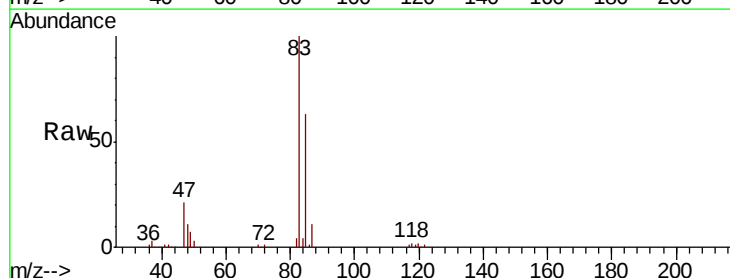
Acq: 25 Jun 2019 17:21

Tgt Ion: 83 Resp: 306377

Ion Ratio Lower Upper

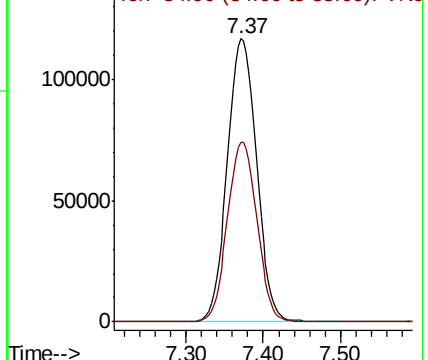
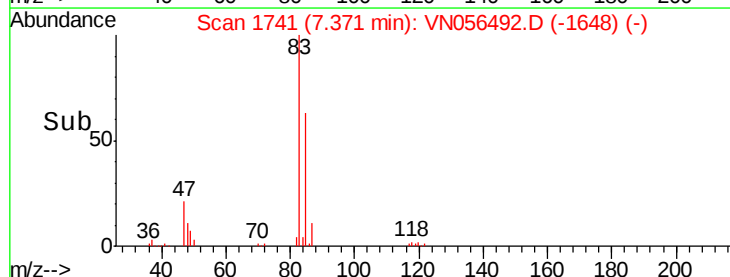
83 100

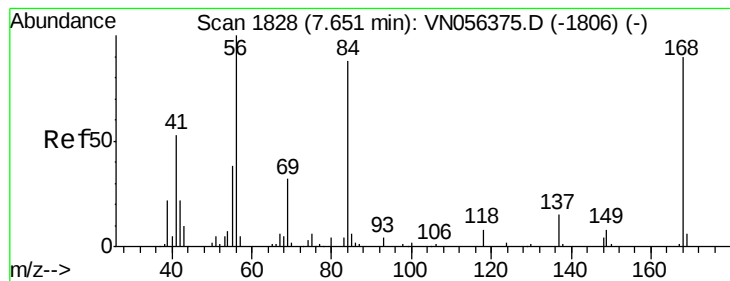
85 63.5 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 44.014 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

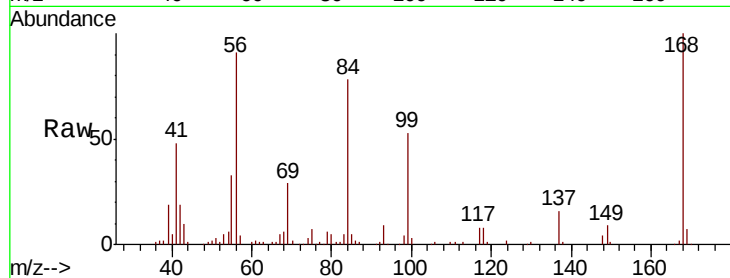
Tot Ion: 56 Resp: 264670

Ion Ratio Lower Upper

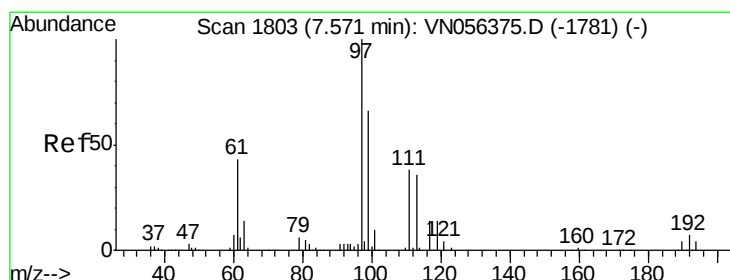
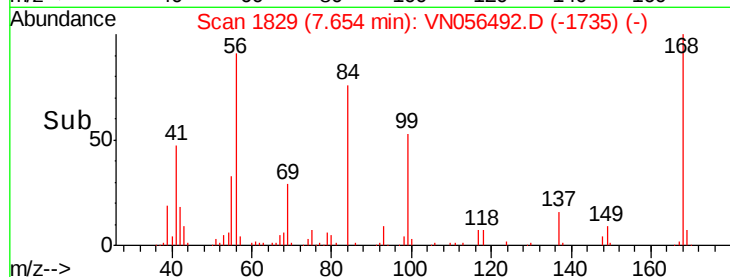
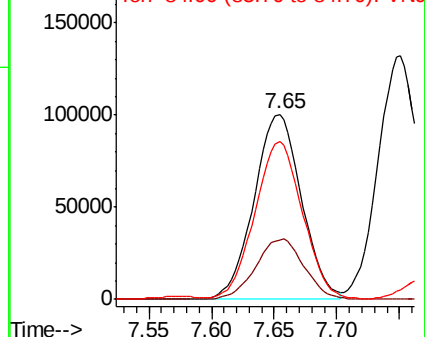
56 100

69 32.3 25.8 38.6

84 84.4 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.078 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

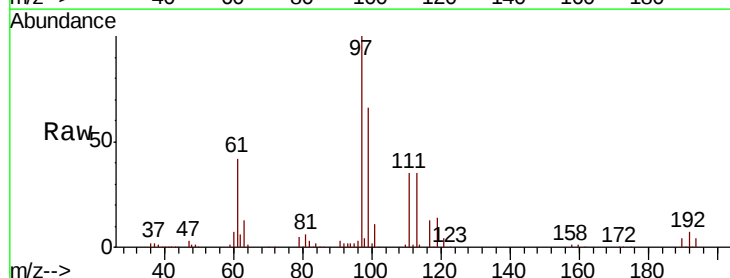
Tgt Ion: 97 Resp: 243973

Ion Ratio Lower Upper

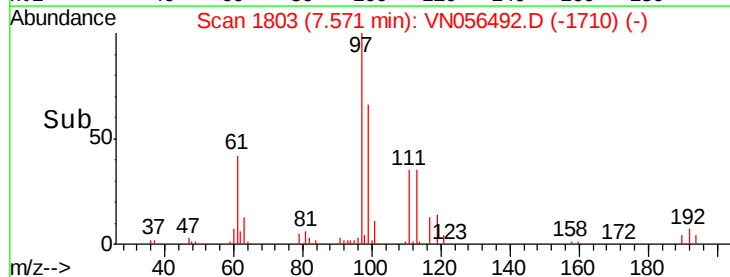
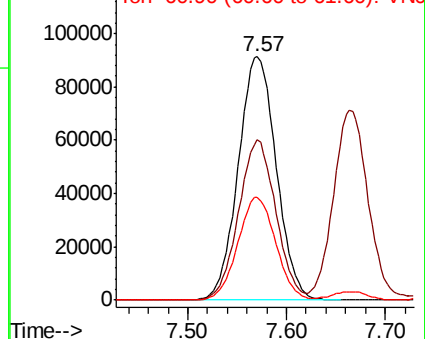
97 100

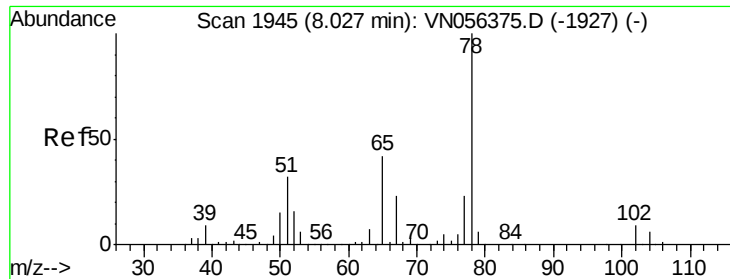
99 64.5 51.8 77.6

61 42.1 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

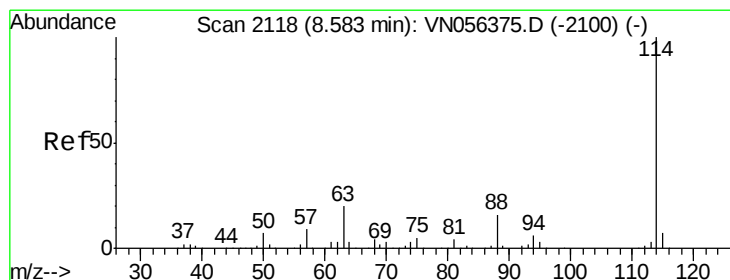
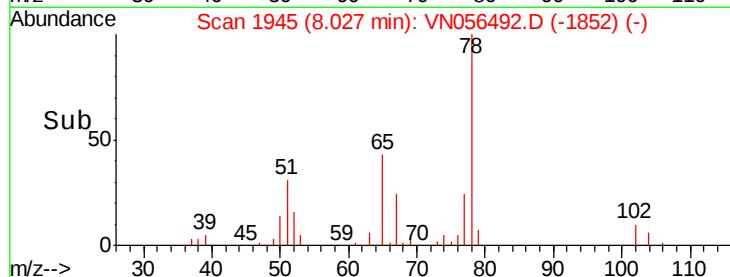
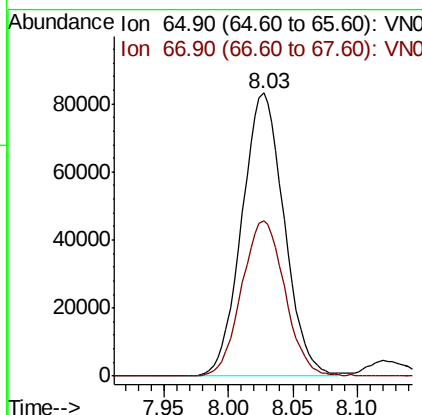
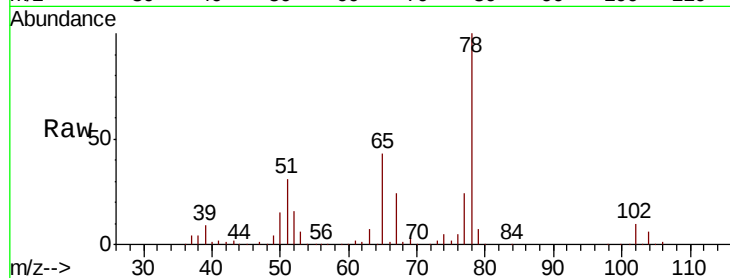




#33
 1,2-Dichloroethane-d4
 Concen: 48.933 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

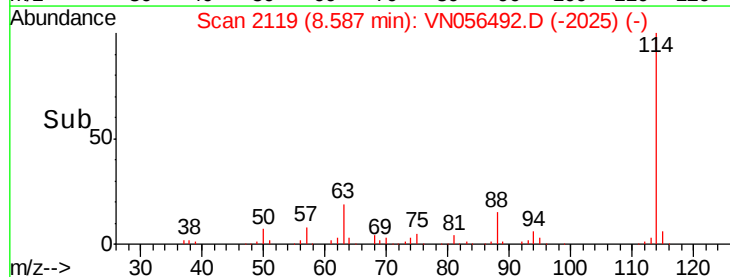
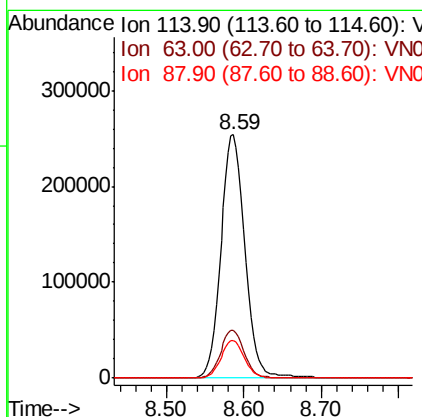
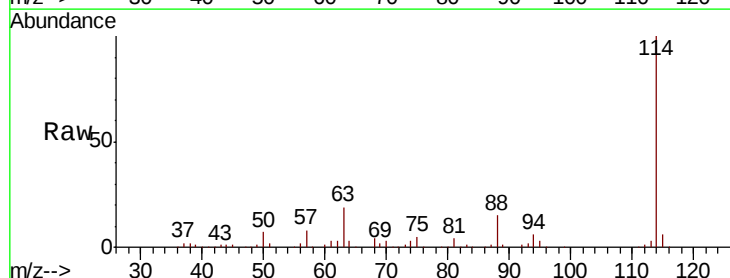
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

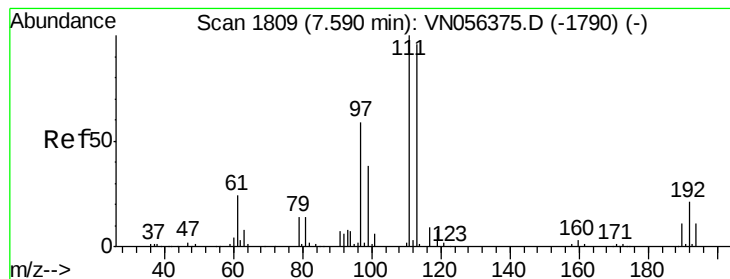
Tot Ion: 65 Resp: 190551
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion: 114 Resp: 547890
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.2
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.753 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

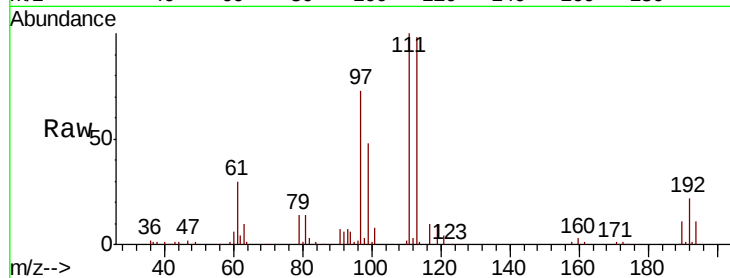
Tot Ion:113 Resp: 170051

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

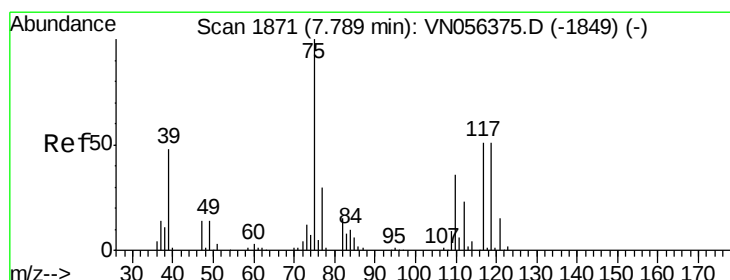
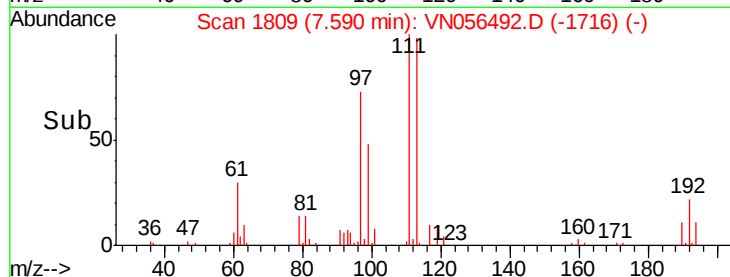
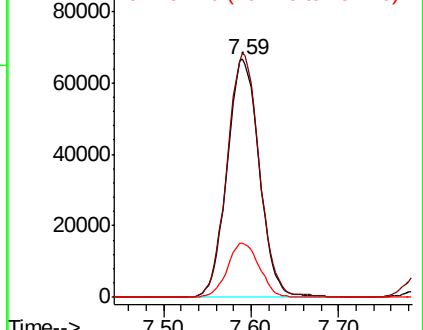
192 22.6 17.7 26.5



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: 45.046 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

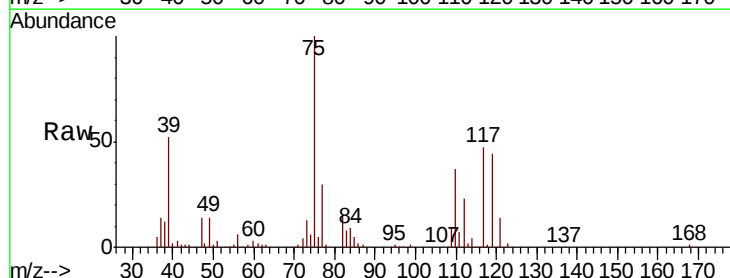
Tgt Ion: 75 Resp: 217231

Ion Ratio Lower Upper

75 100

110 37.5 18.1 54.3

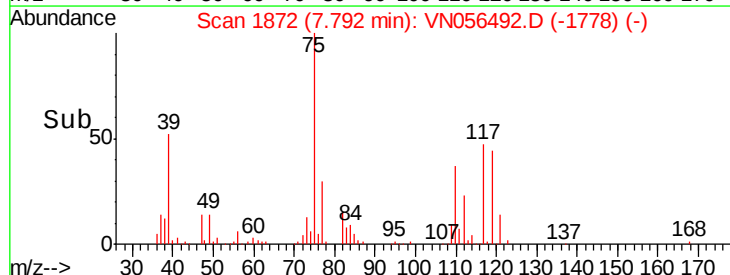
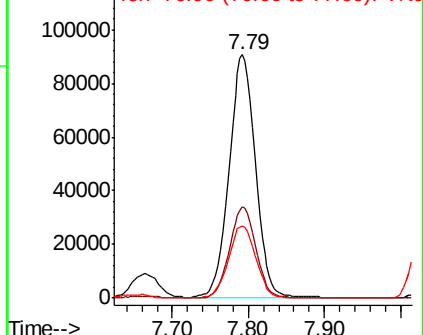
77 31.1 24.6 36.8

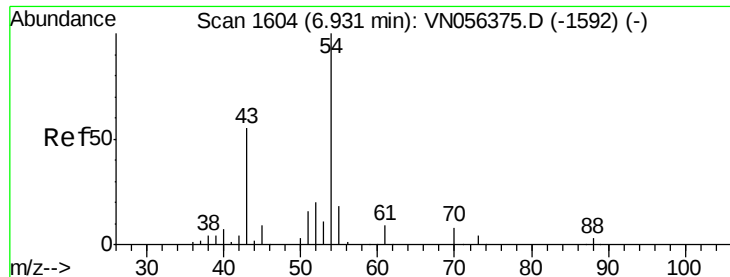


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

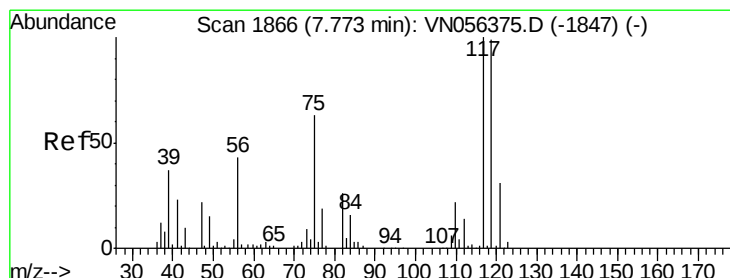
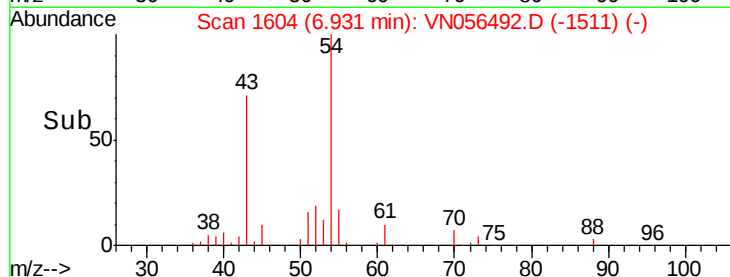
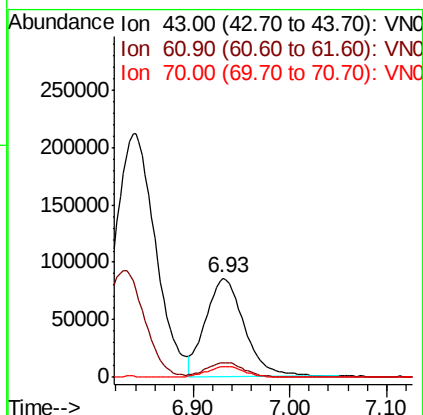
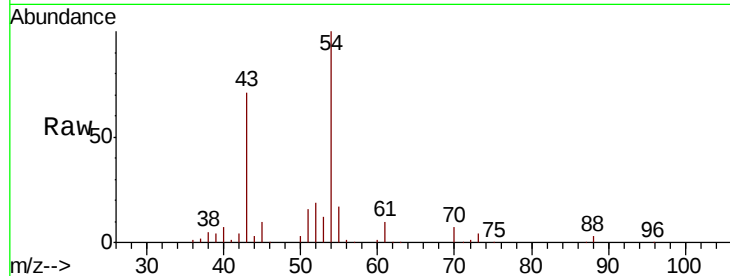




#37
Ethyl Acetate
Concen: 50.374 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

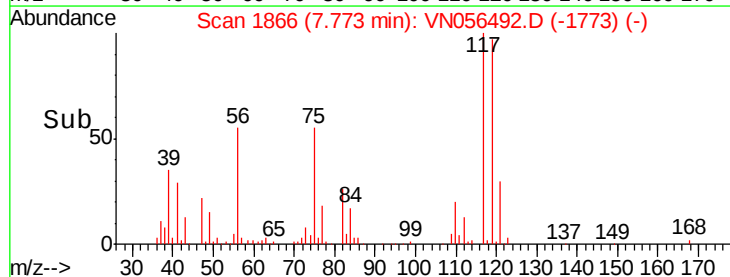
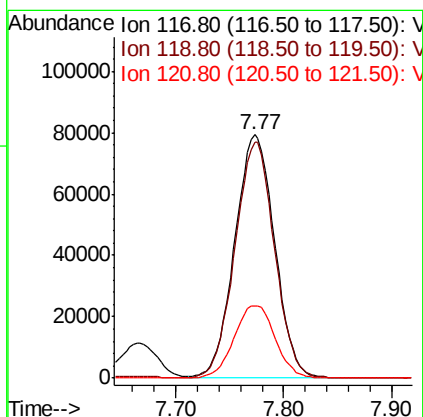
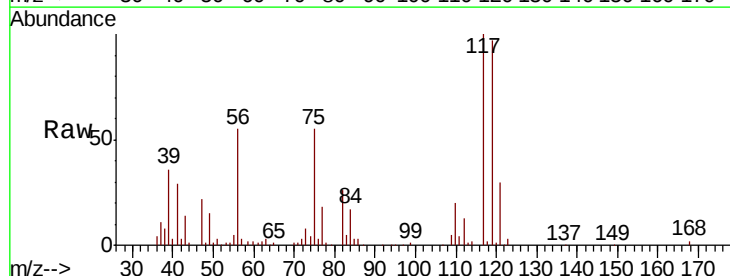
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

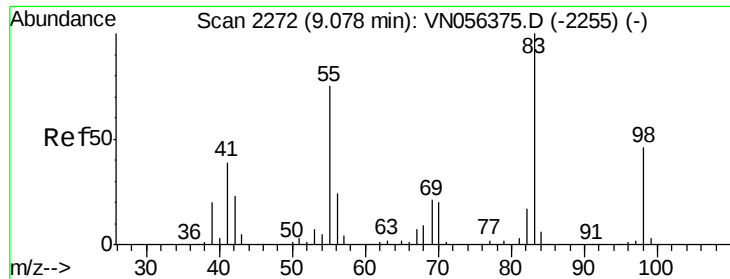
Tot Ion: 43 Resp: 238733
Ion Ratio Lower Upper
43 100
61 14.4 11.1 16.7
70 10.8 8.3 12.5



#38
Carbon Tetrachloride
Concen: 48.000 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 117 Resp: 202422
Ion Ratio Lower Upper
117 100
119 97.3 79.1 118.7
121 29.9 24.8 37.2

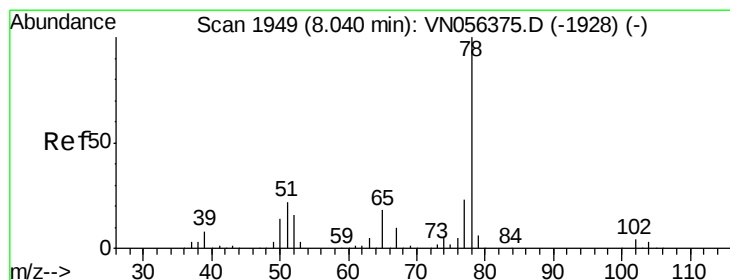
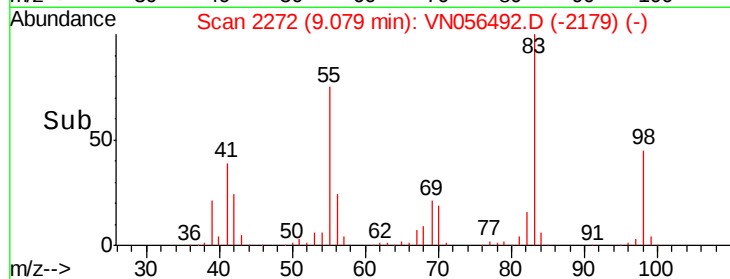
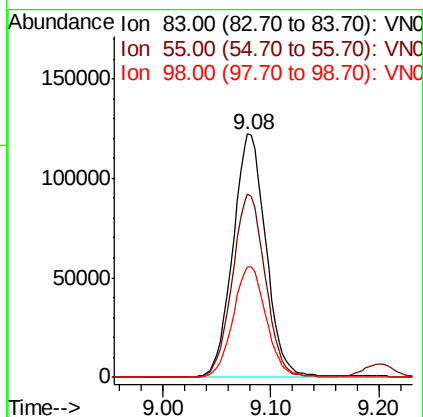
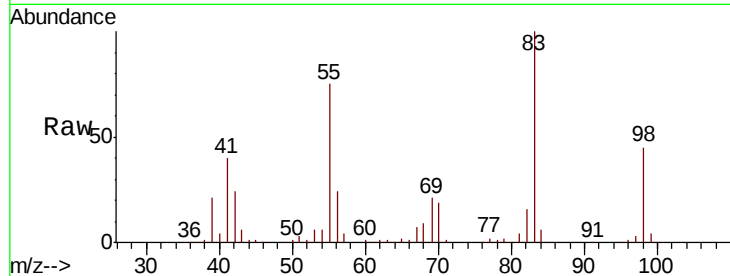




#39
Methvlcvclohexane
Concen: 43.833 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

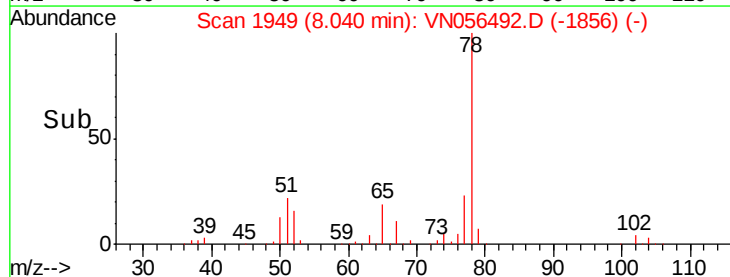
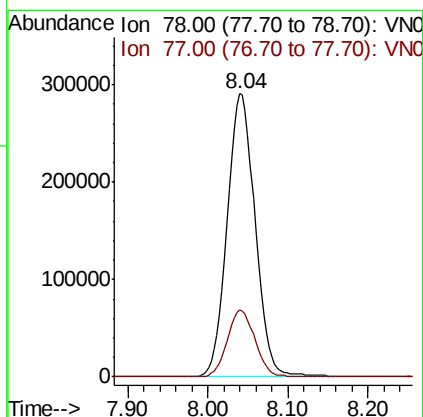
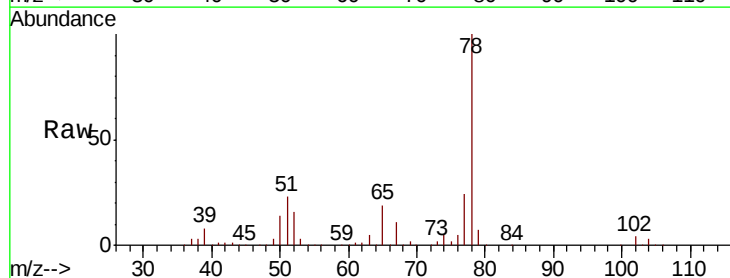
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

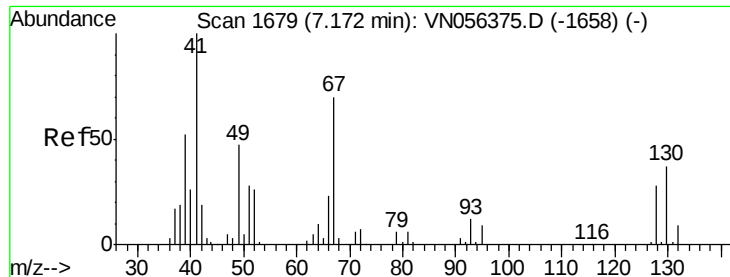
Tot Ion: 83 Resp: 260827
Ion Ratio Lower Upper
83 100
55 75.4 60.0 90.0
98 45.3 36.6 54.8



#40
Benzene
Concen: 46.681 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 78 Resp: 692453
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5

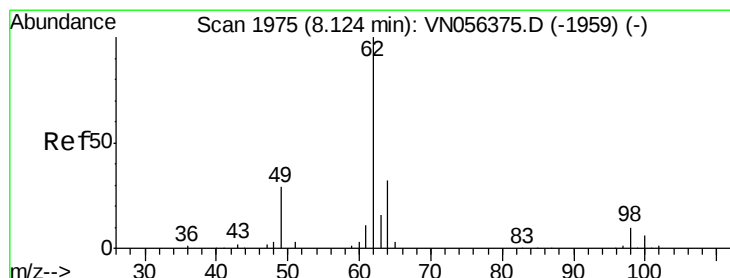
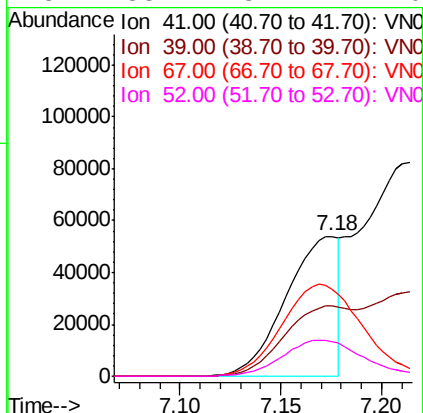
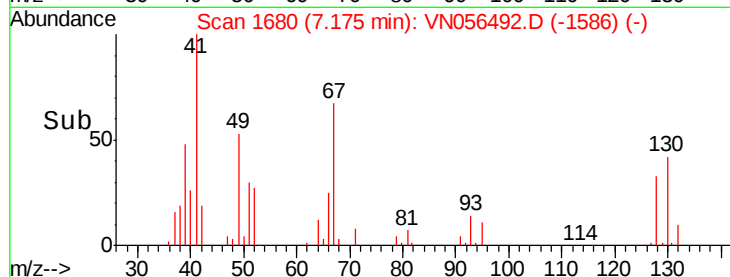
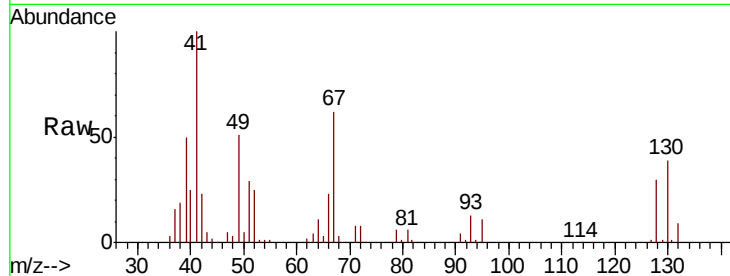




#41
Methacrylonitrile
Concen: 46.595 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

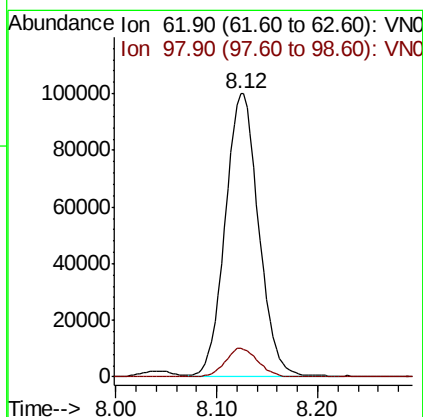
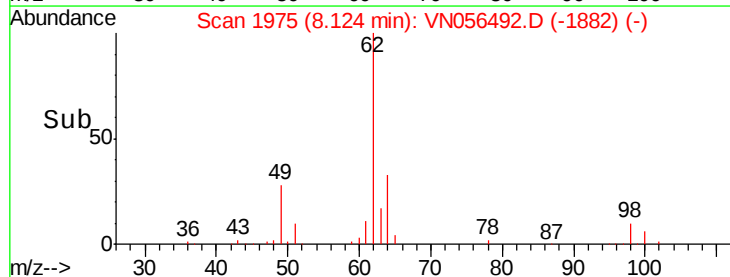
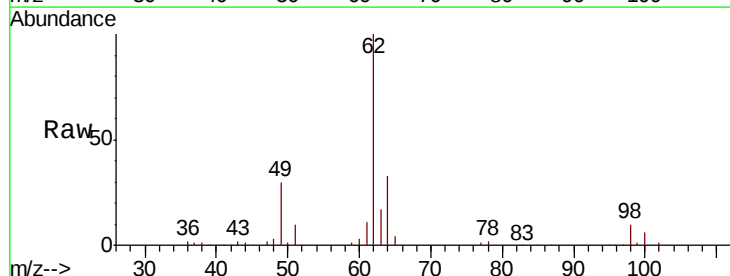
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

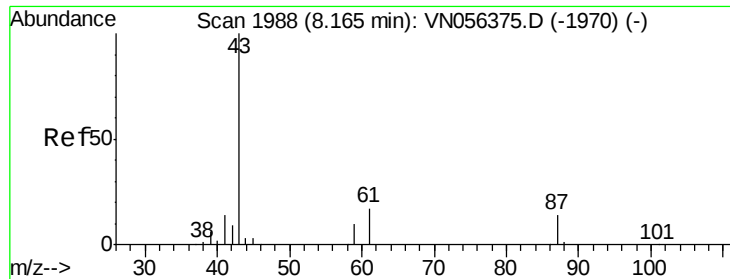
Tot Ion: 41 Resp: 97511
Ion Ratio Lower Upper
41 100
39 67.1 55.3 82.9
67 100.6 79.2 118.8
52 38.7 31.4 47.0



#42
1,2-Dichloroethane
Concen: 47.069 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion: 62 Resp: 230425
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 54.334 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

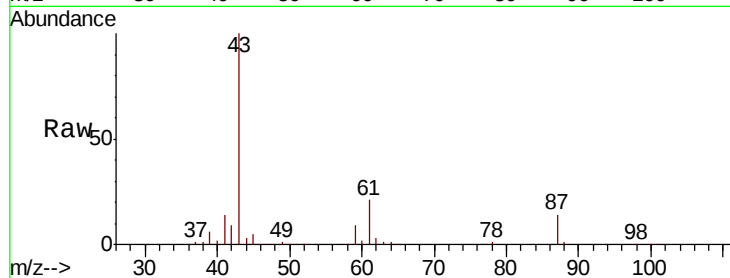
Tot Ion: 43 Resp: 397058

Ion Ratio Lower Upper

43 100

61 26.3 22.0 33.0

87 13.2 11.0 16.4

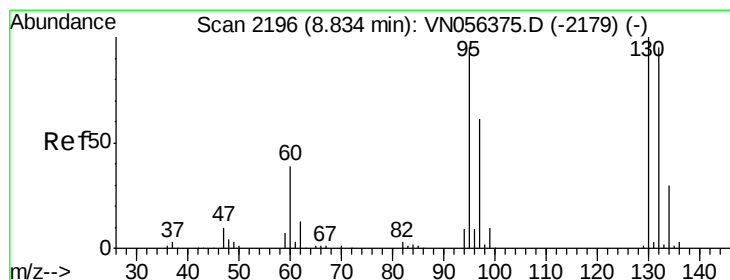
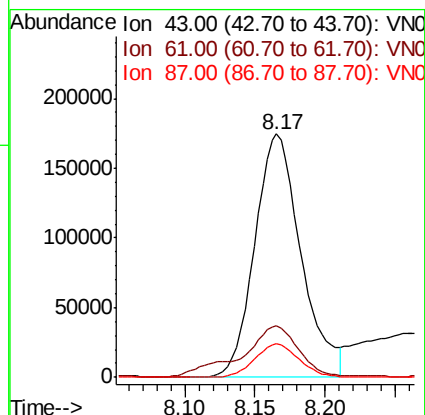
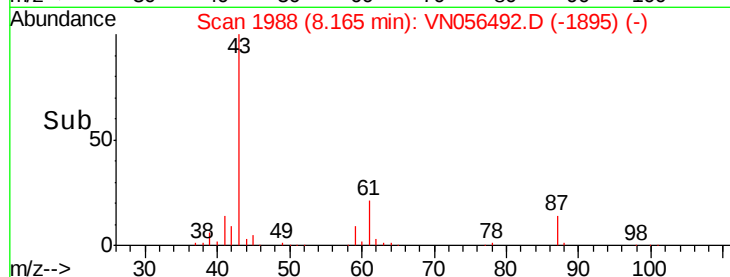


Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)

8.17



#44

Trichloroethene

Concen: 46.658 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056492.D

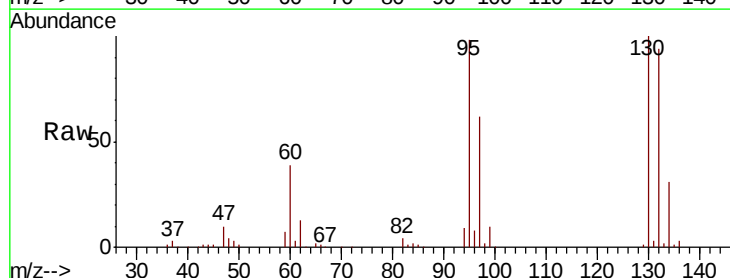
Acq: 25 Jun 2019 17:21

Tgt Ion:130 Resp: 186437

Ion Ratio Lower Upper

130 100

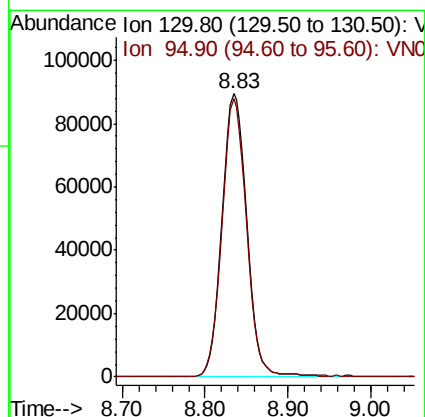
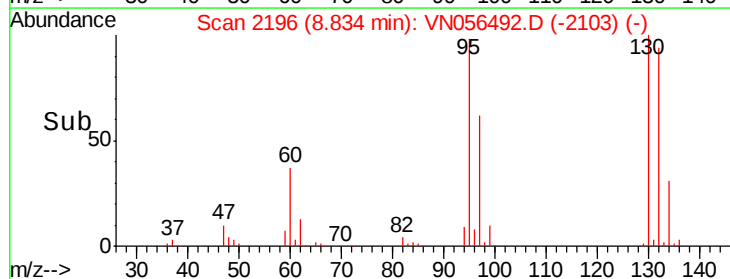
95 98.3 0.0 191.0

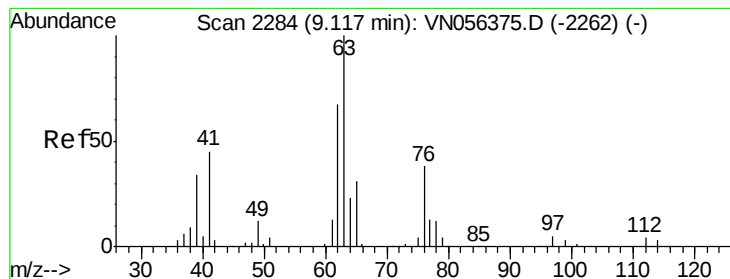


Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)

8.83





#45

1,2-Dichloropropane

Concen: 48.139 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

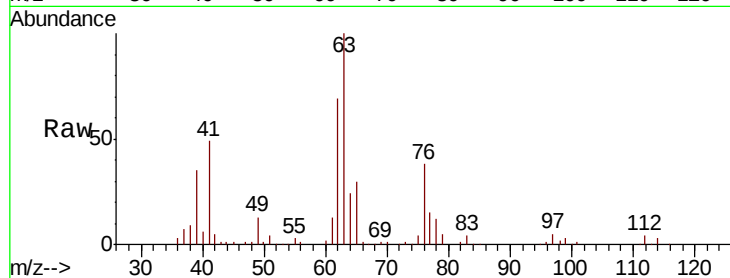
SP-19-LF2MW2MSD

Tot Ion: 63 Resp: 190971

Ion Ratio Lower Upper

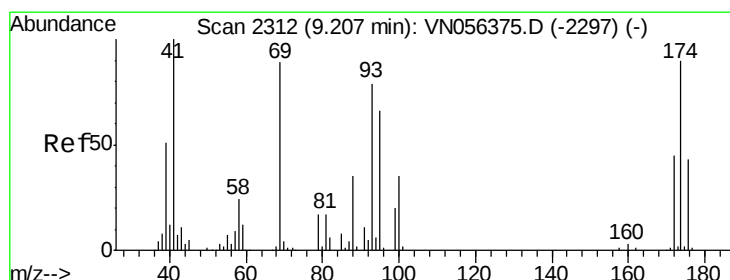
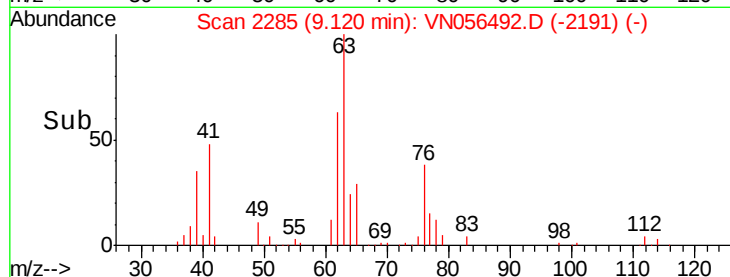
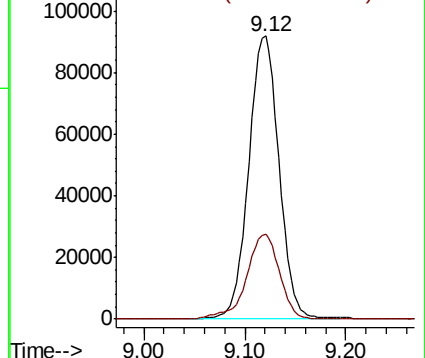
63 100

65 30.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.969 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

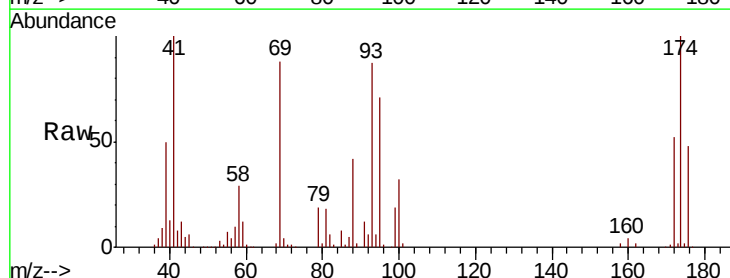
Tgt Ion: 93 Resp: 121538

Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.2

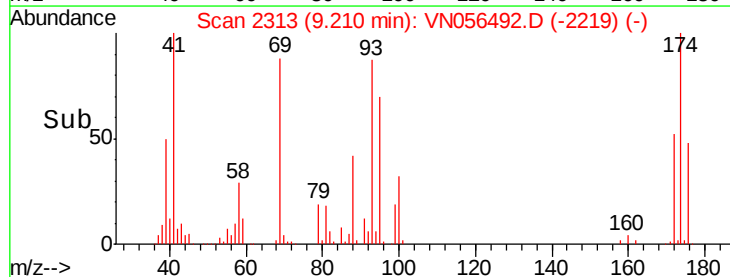
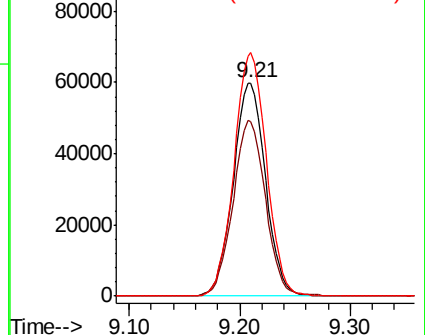
174 114.5 90.8 136.2

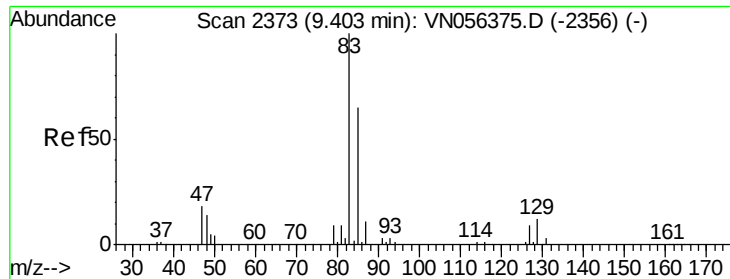


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.060 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

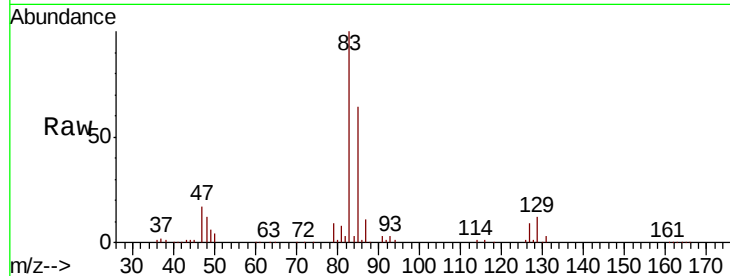
Tot Ion: 83 Resp: 224762

Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

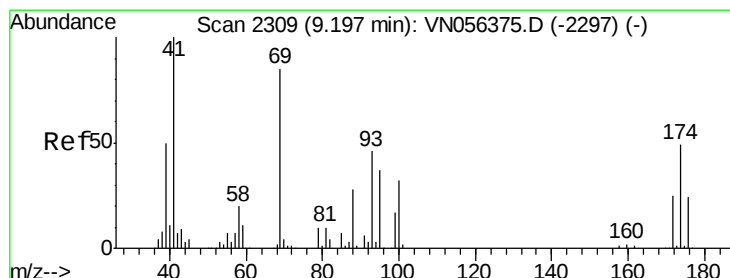
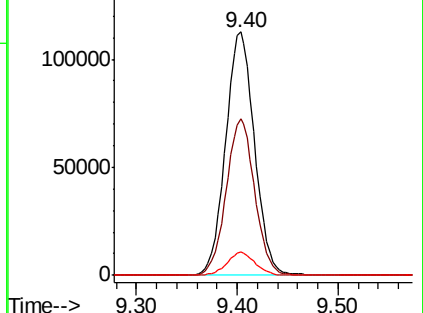
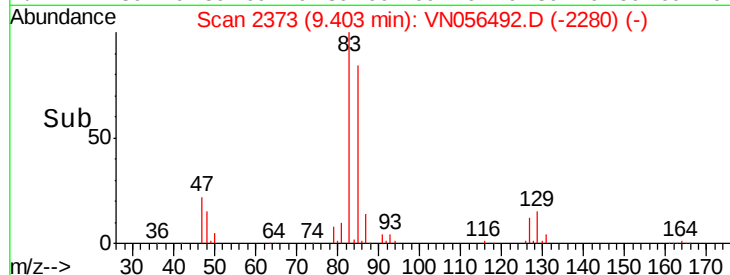
127 9.5 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056492.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056492.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056492.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.929 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

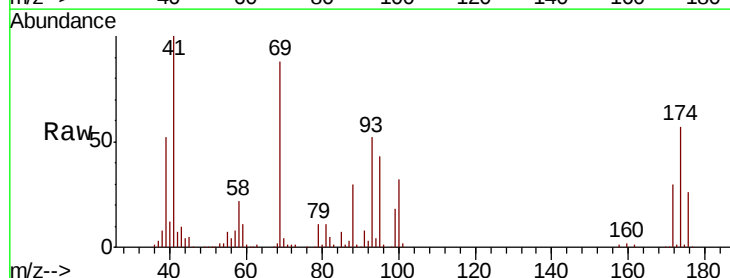
Tgt Ion: 41 Resp: 179181

Ion Ratio Lower Upper

41 100

69 90.1 72.6 109.0

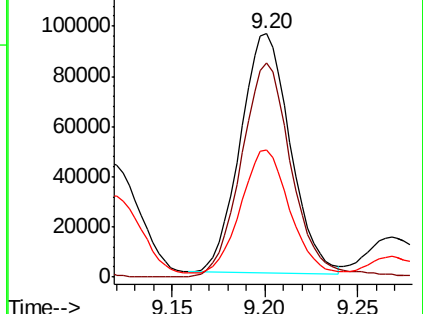
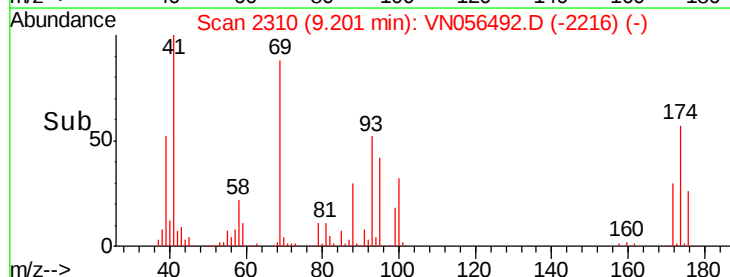
39 53.3 42.6 63.8

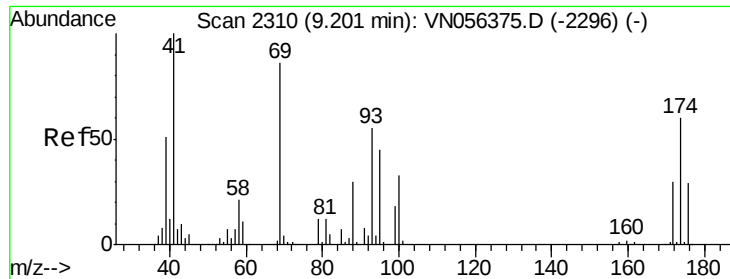


Abundance Ion 41.00 (40.70 to 41.70): VN056492.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056492.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056492.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1002.247 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

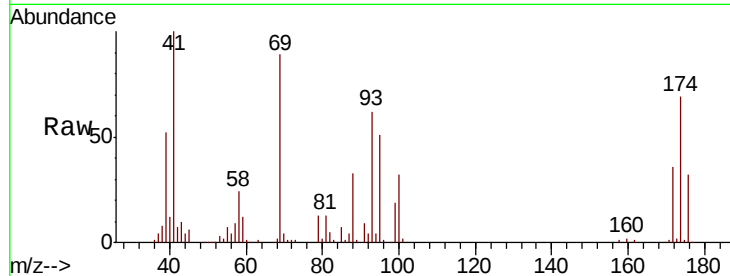
Tot Ion: 88 Resp: 76166

Ion Ratio Lower Upper

88 100

43 25.8 22.0 33.0

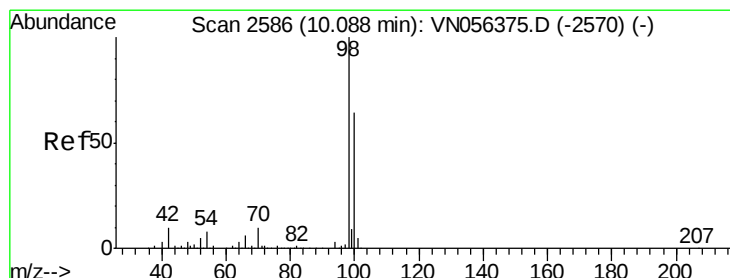
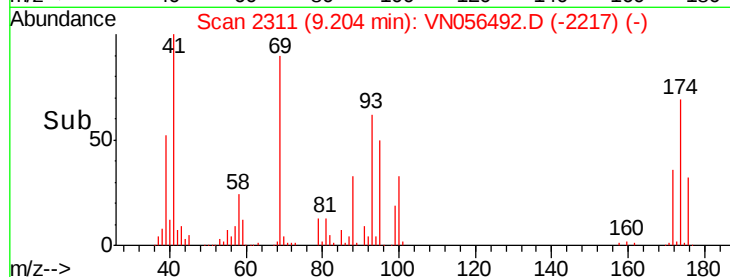
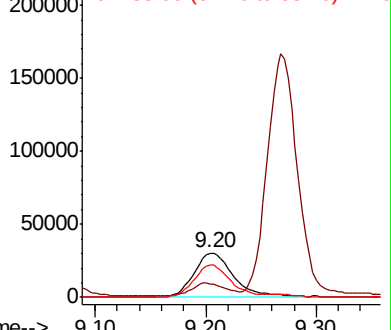
58 68.0 51.8 77.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.291 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056492.D

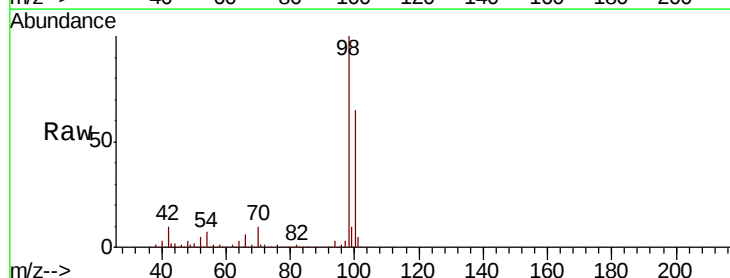
Acq: 25 Jun 2019 17:21

Tgt Ion: 98 Resp: 628947

Ion Ratio Lower Upper

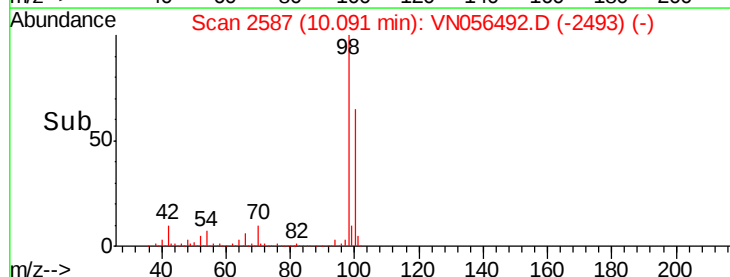
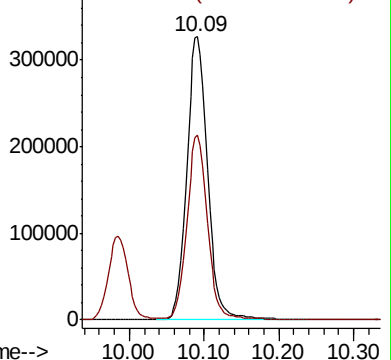
98 100

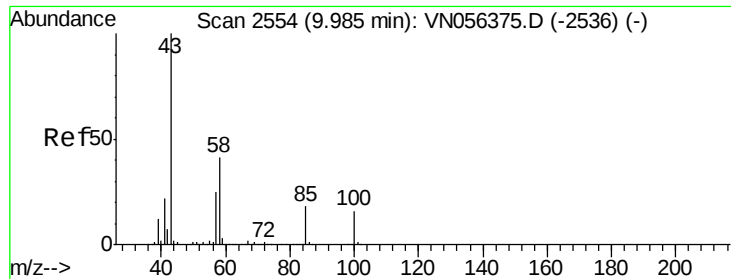
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 249.109 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

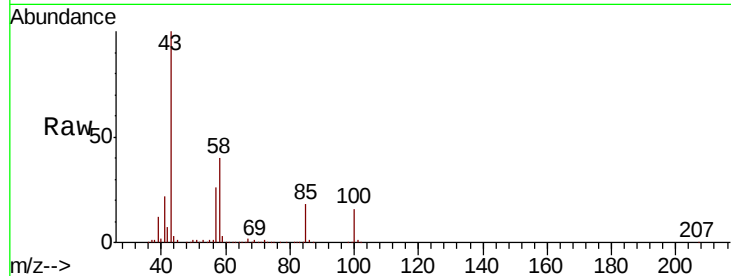
SP-19-LF2MW2MSD

Tot Ion: 43 Resp: 1174962

Ion Ratio Lower Upper

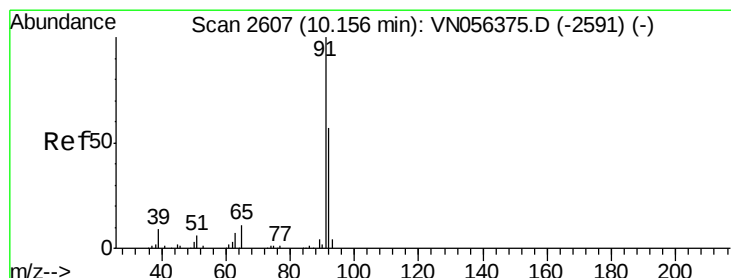
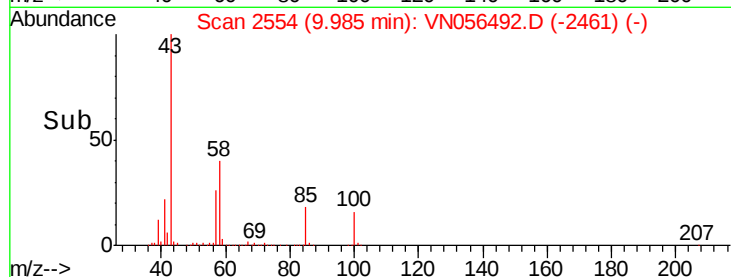
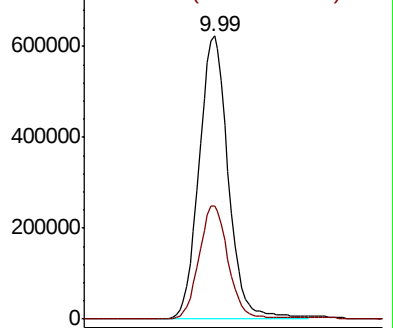
43 100

58 40.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 46.827 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056492.D

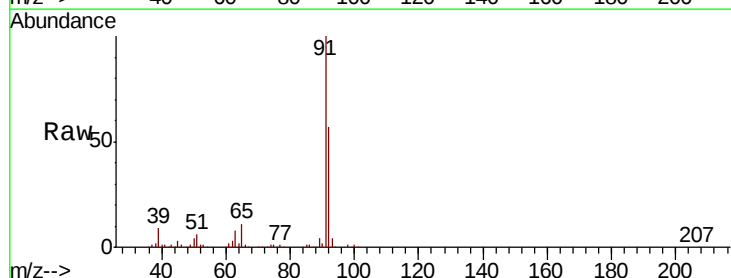
Acq: 25 Jun 2019 17:21

Tgt Ion: 92 Resp: 424676

Ion Ratio Lower Upper

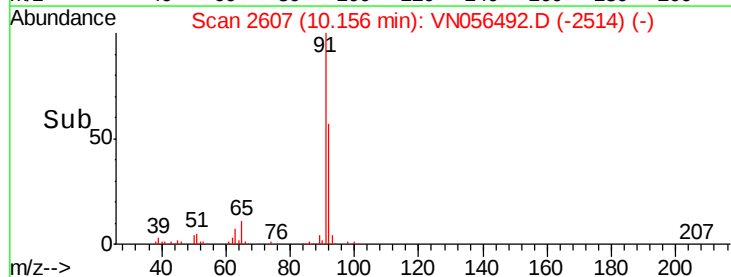
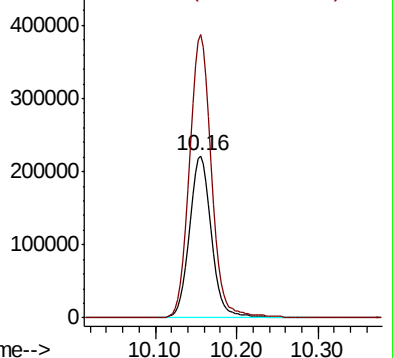
92 100

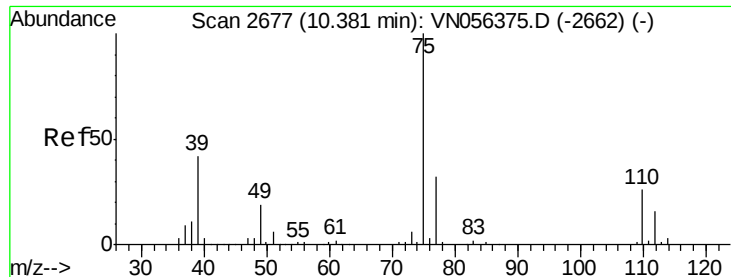
91 175.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 47.255 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

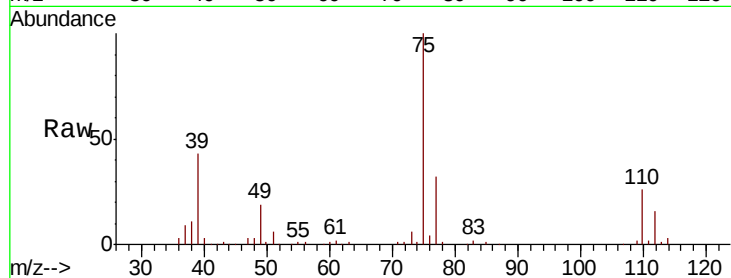
SP-19-LF2MW2MSD

Tot Ion: 75 Resp: 241411

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

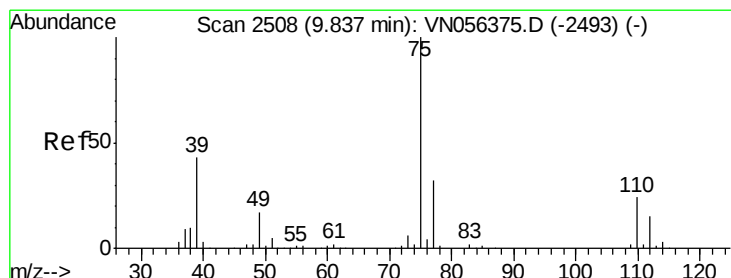
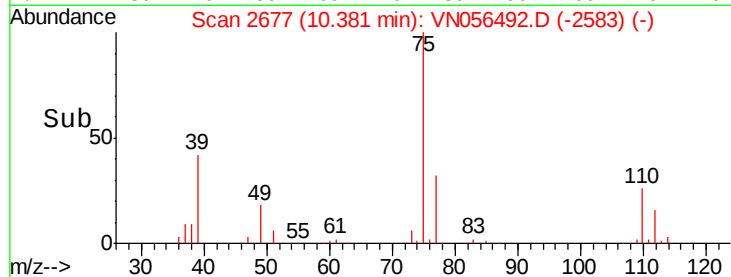
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.632 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

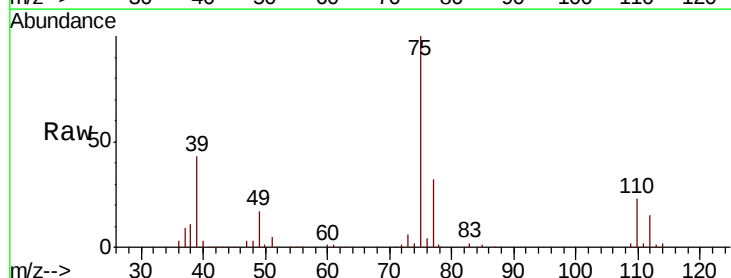
Tgt Ion: 75 Resp: 273700

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 43.1 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

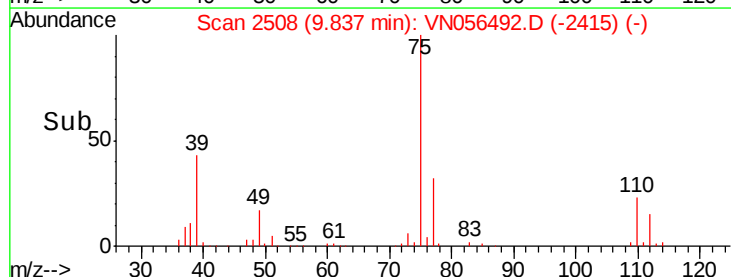
150000

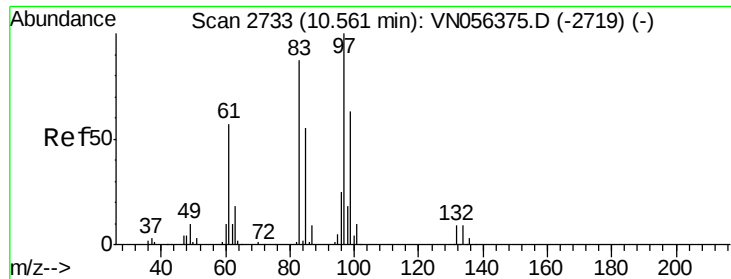
100000

50000

0

Time-->

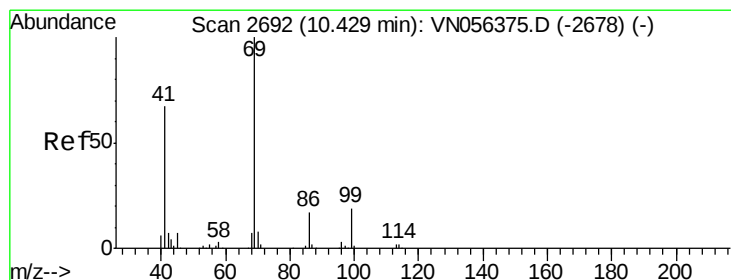
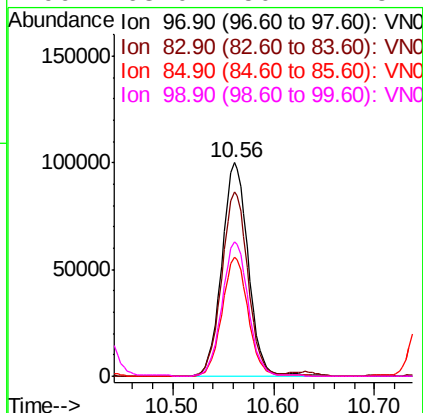
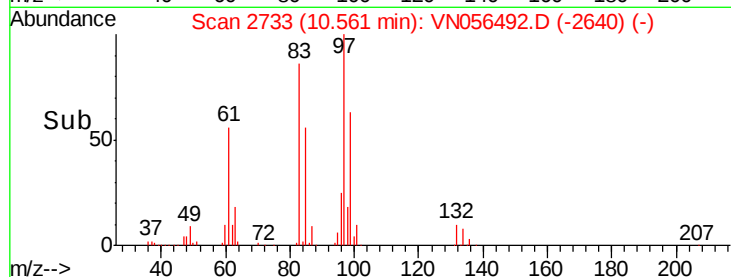
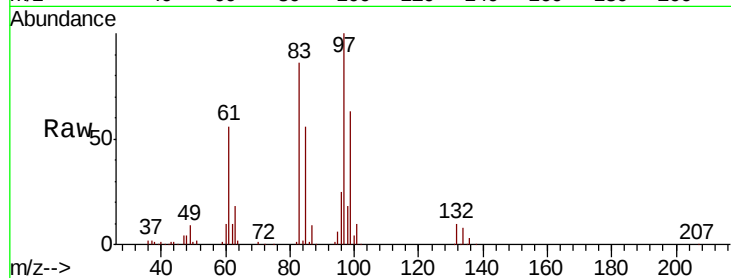




#55
 1,1,2-Trichloroethane
 Concen: 50.223 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

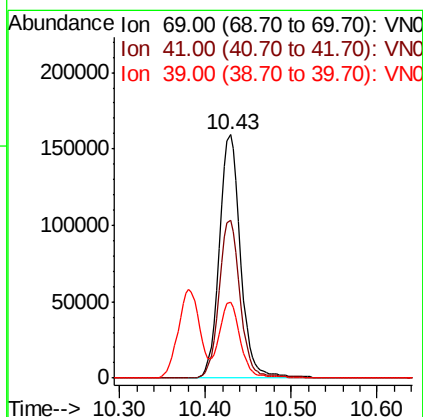
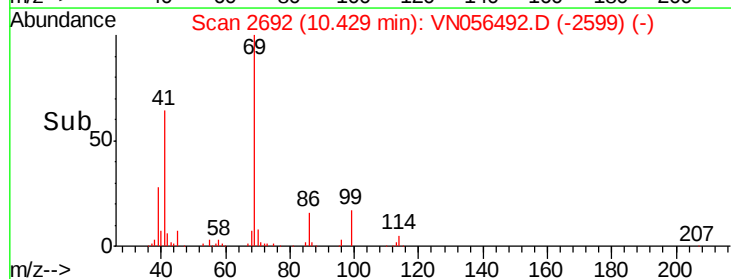
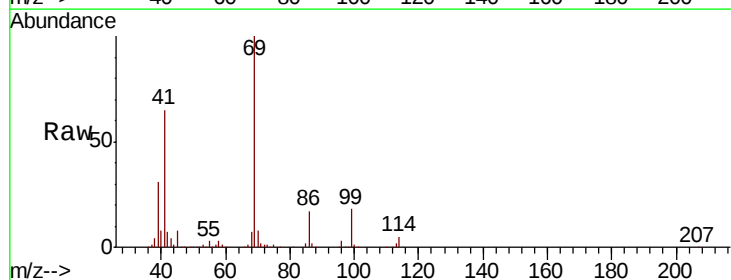
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

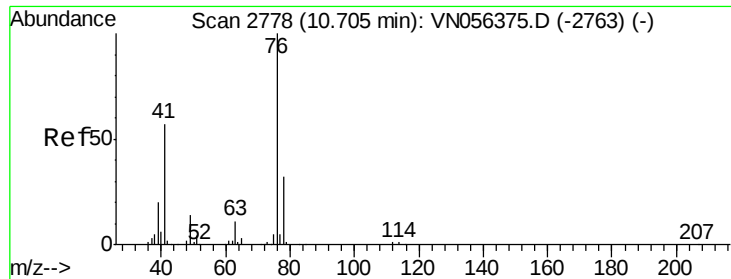
Tot Ion:	97	Resp:	183080
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.8	104.6
85	55.6	43.8	65.8
99	63.0	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 51.256 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion:	69	Resp:	273063
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.4	77.2
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 48.893 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

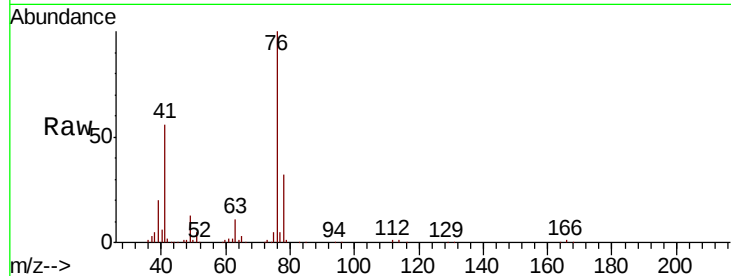
SP-19-LF2MW2MSD

Tot Ion: 76 Resp: 299419

Ion Ratio Lower Upper

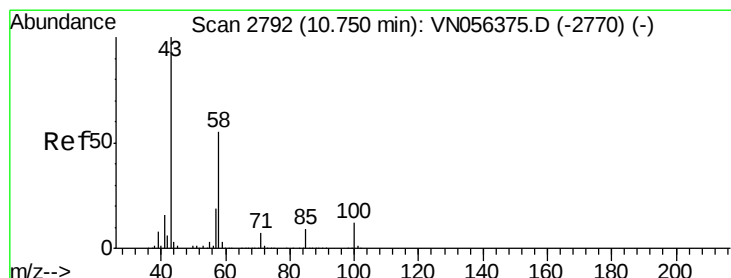
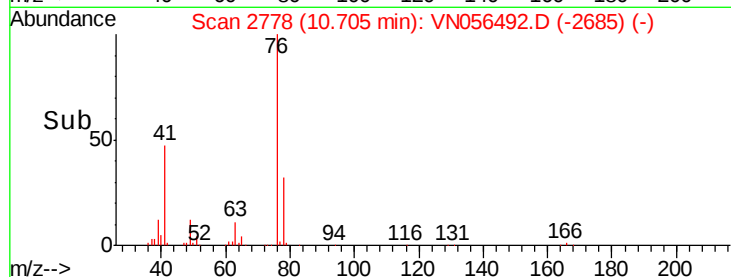
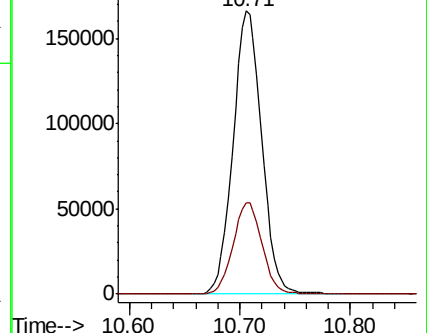
76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 235.561 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056492.D

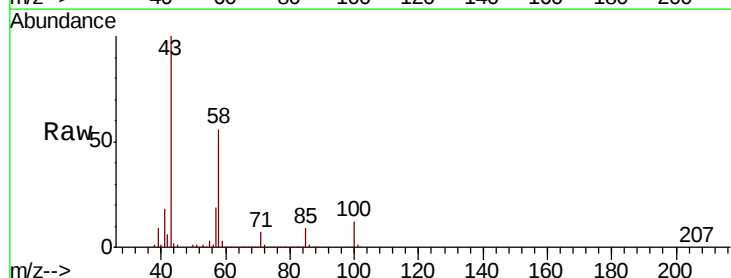
Acq: 25 Jun 2019 17:21

Tgt Ion: 43 Resp: 816593

Ion Ratio Lower Upper

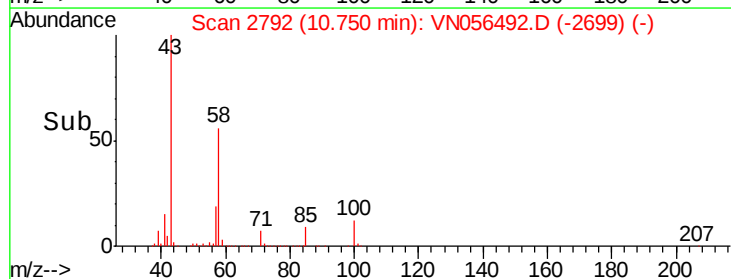
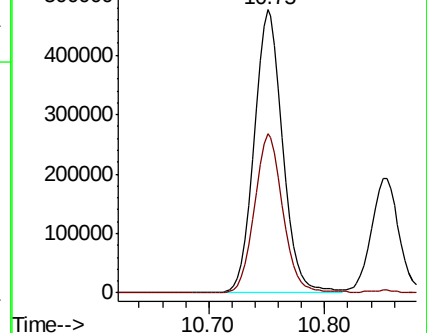
43 100

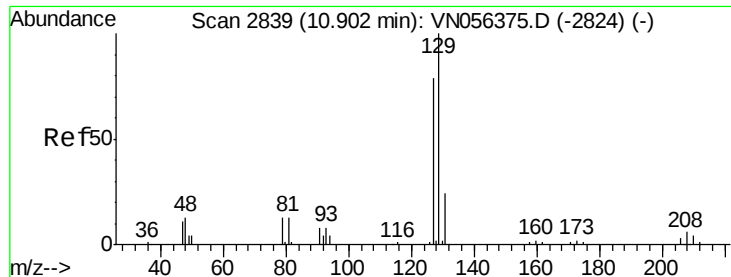
58 56.1 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

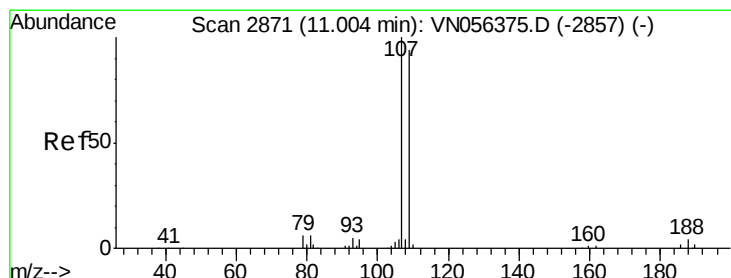
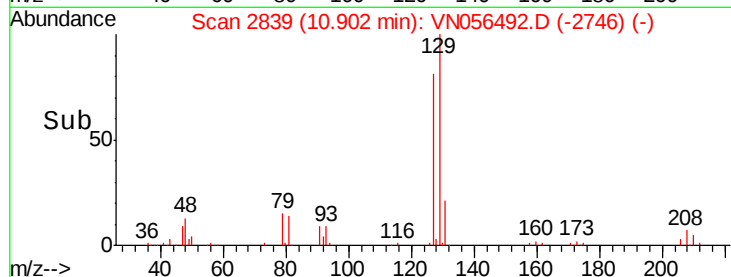
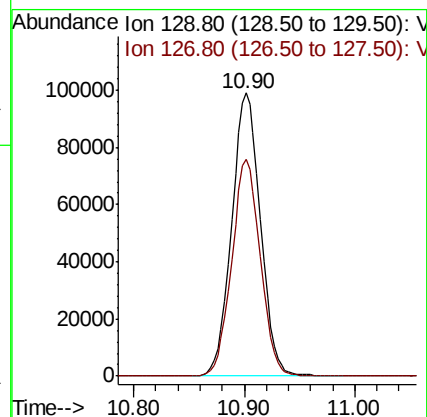
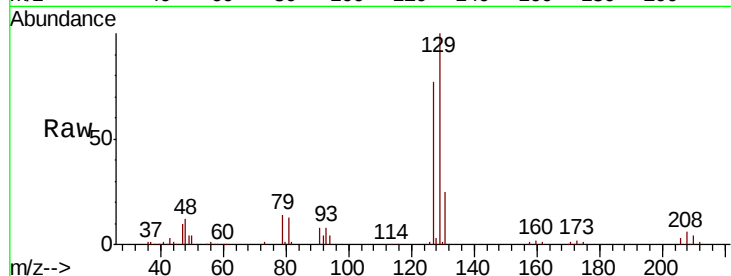




#60
 Dibromochloromethane
 Concen: 47.830 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

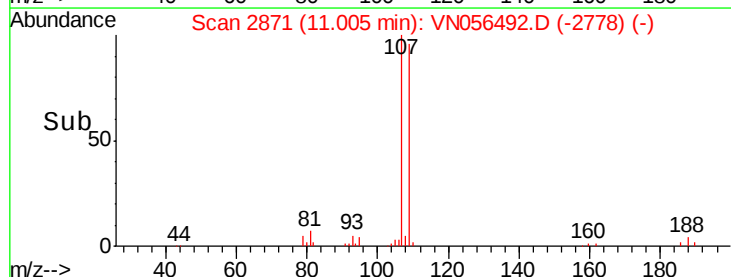
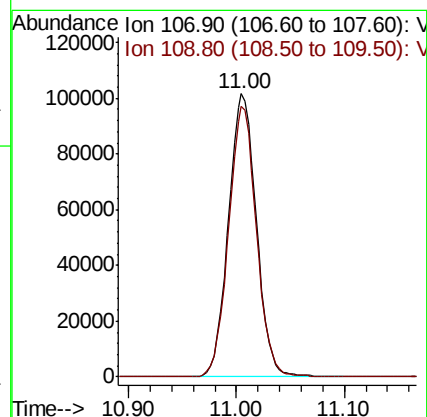
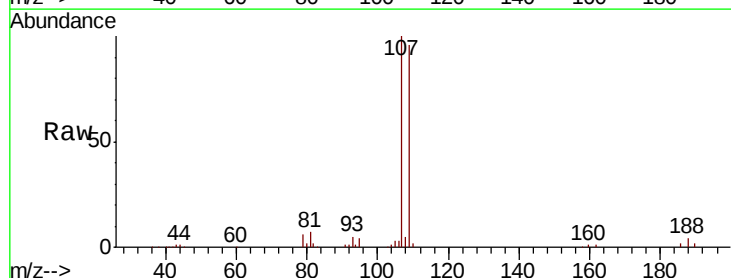
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

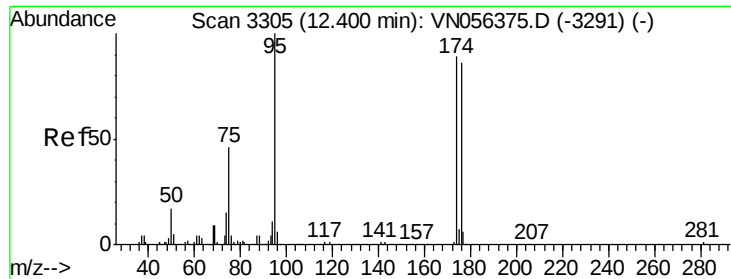
Tot Ion:129 Resp: 178810
 Ion Ratio Lower Upper
 129 100
 127 76.1 38.9 116.7



#61
 1,2-Dibromoethane
 Concen: 49.205 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion:107 Resp: 183197
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.3 112.9





#62

4-Bromofluorobenzene

Concen: 48.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

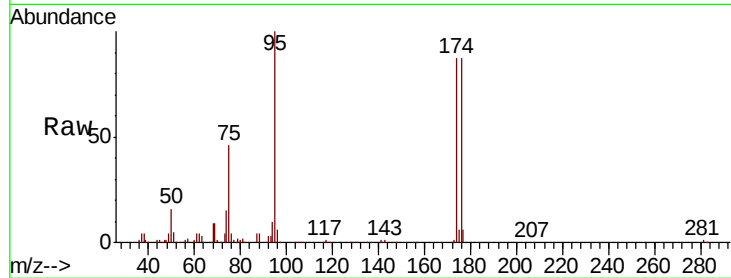
Tot Ion: 95 Resp: 216275

Ion Ratio Lower Upper

95 100

174 88.2 0.0 179.4

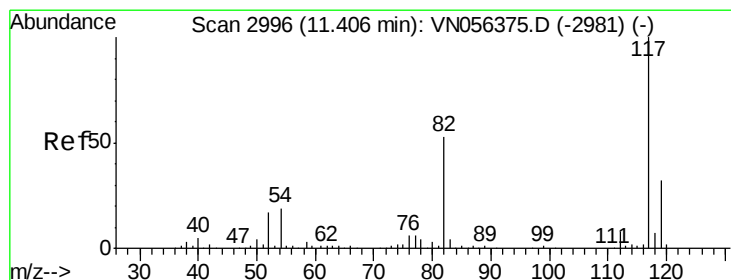
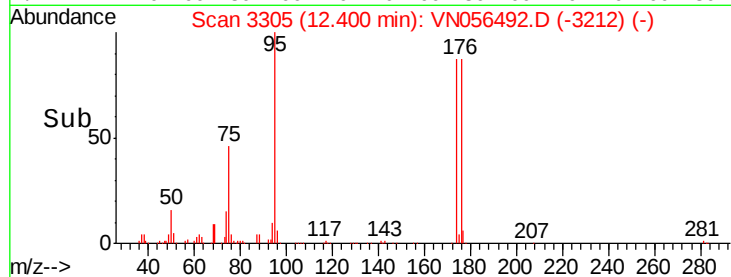
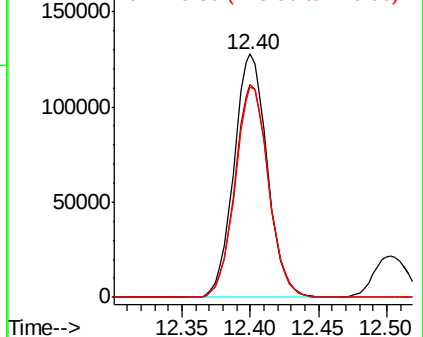
176 86.9 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

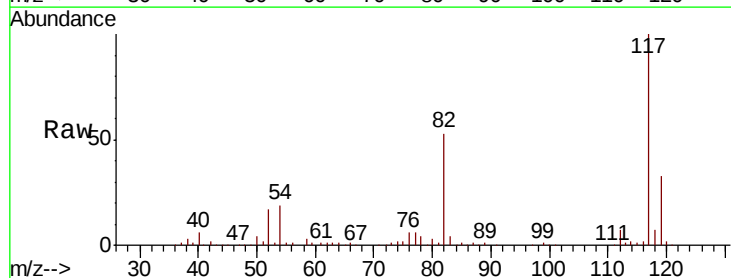
Tgt Ion: 117 Resp: 482858

Ion Ratio Lower Upper

117 100

82 52.6 42.0 63.0

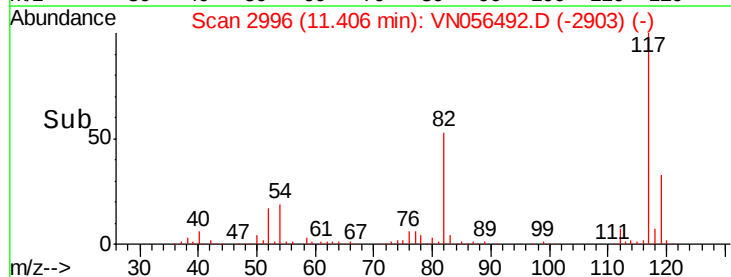
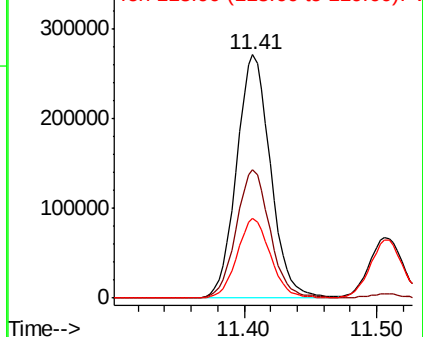
119 32.7 25.3 37.9

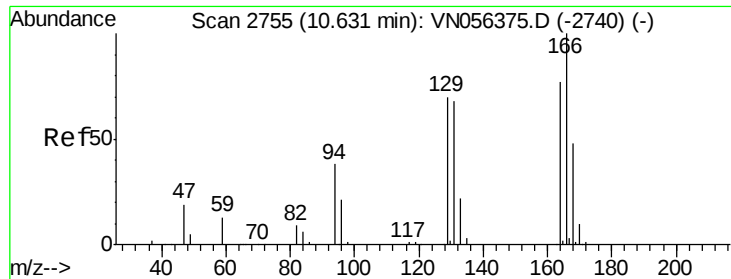


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#64

Tetrachloroethene

Concen: 44.368 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion:164 Resp: 169658

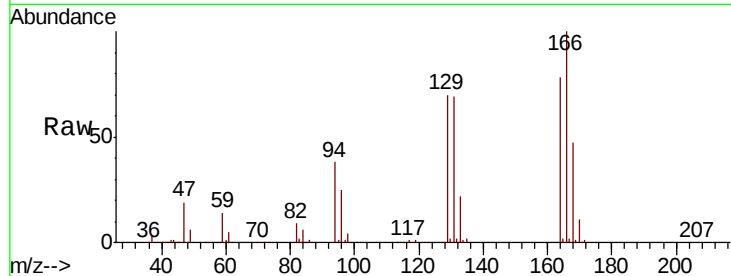
Ion Ratio Lower Upper

164 100

166 128.0 103.4 155.0

129 89.8 72.0 108.0

131 88.0 70.2 105.2

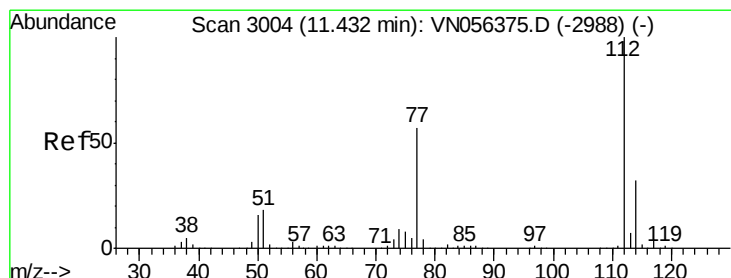
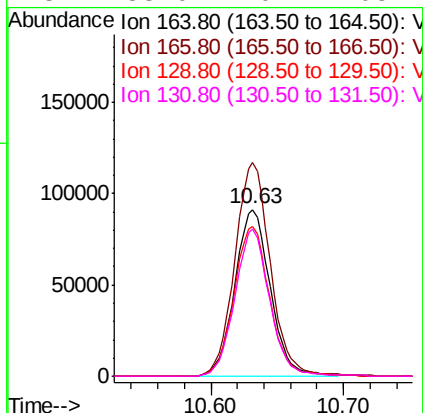
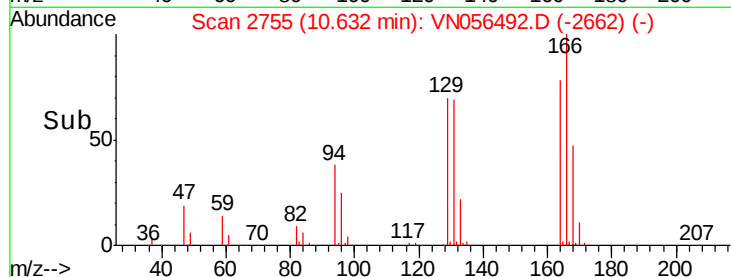


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.254 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056492.D

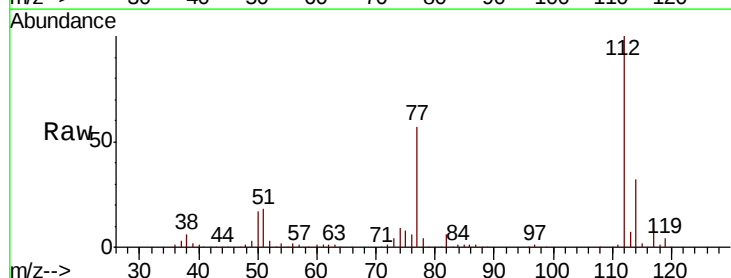
Acq: 25 Jun 2019 17:21

Tgt Ion:112 Resp: 458480

Ion Ratio Lower Upper

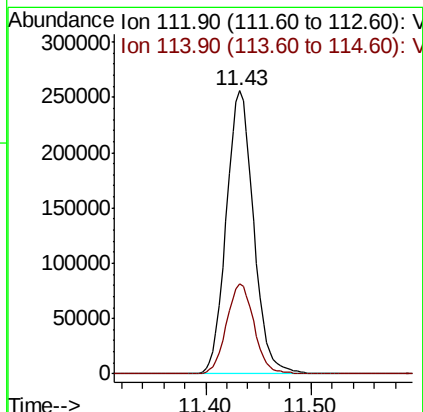
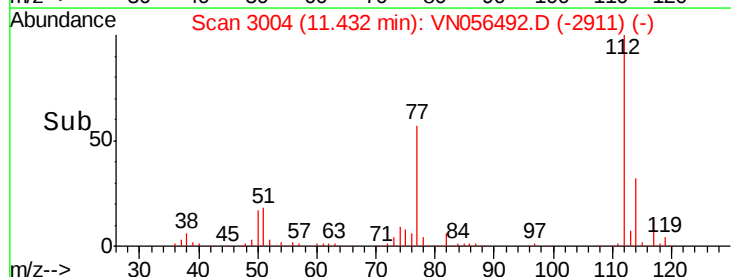
112 100

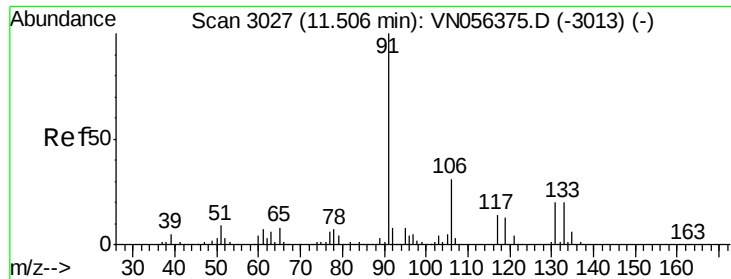
114 31.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.302 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

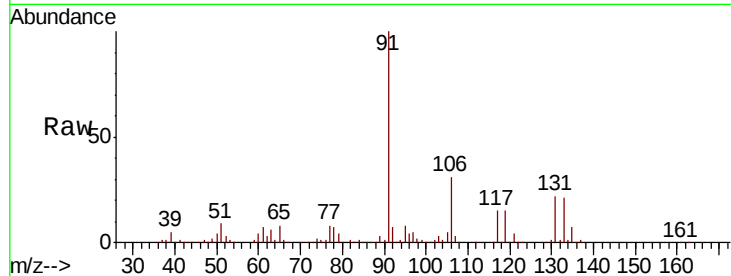
Tot Ion:131 Resp: 171507

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

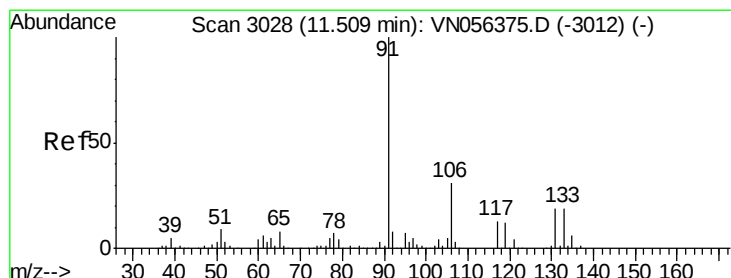
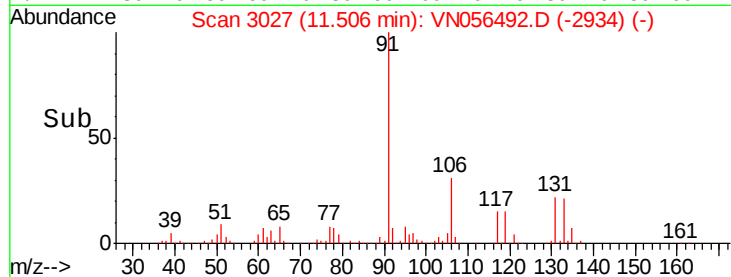
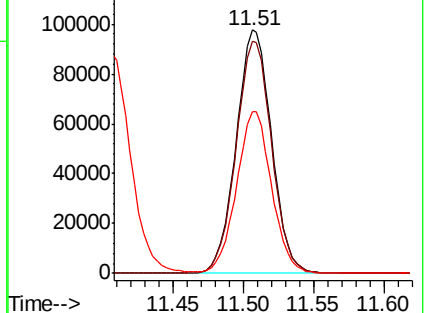
119 66.1 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 47.121 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056492.D

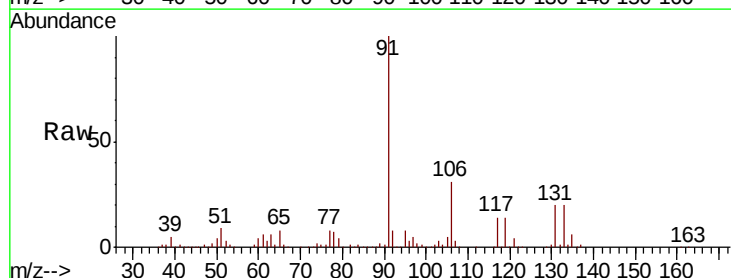
Acq: 25 Jun 2019 17:21

Tgt Ion: 91 Resp: 802758

Ion Ratio Lower Upper

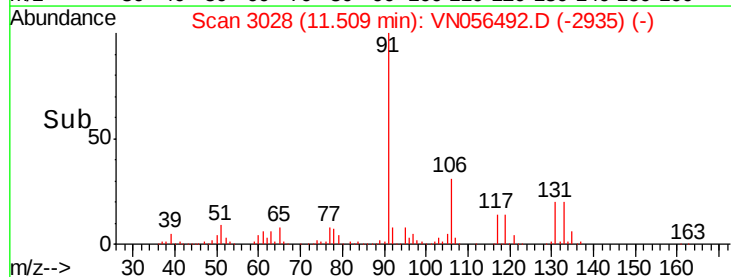
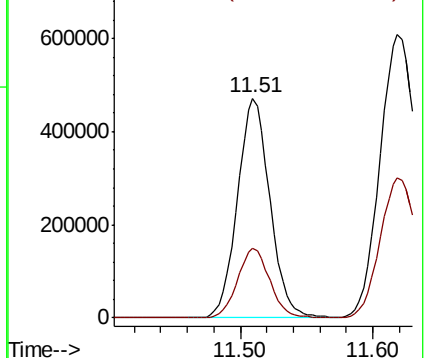
91 100

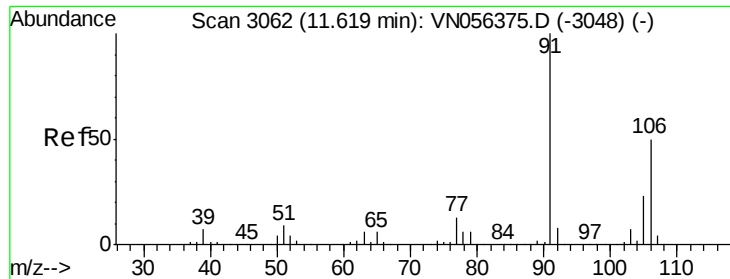
106 31.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

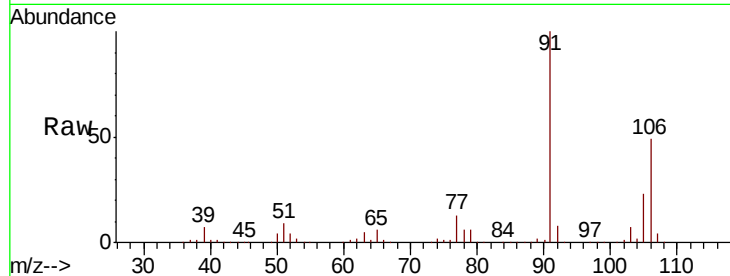




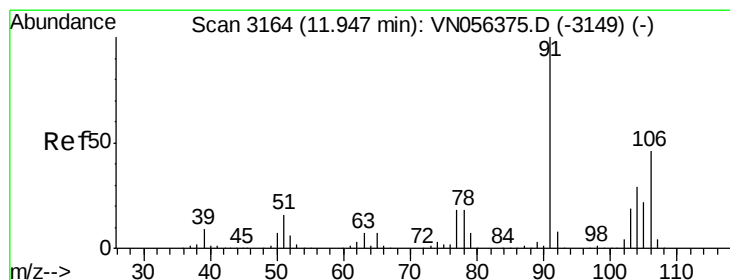
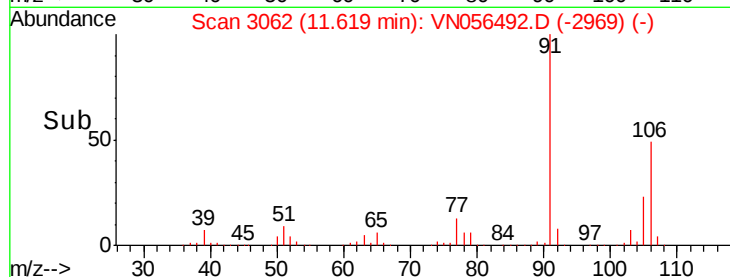
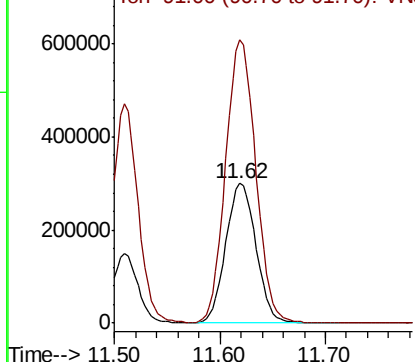
#68
m/p-Xylenes
Concen: 95.691 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

Tot Ion:106 Resp: 597427
Ion Ratio Lower Upper
106 100
91 201.2 160.1 240.1

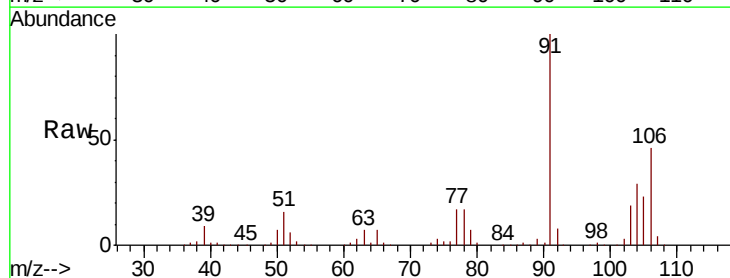


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

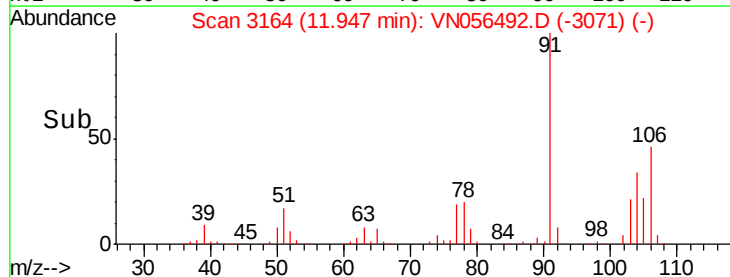
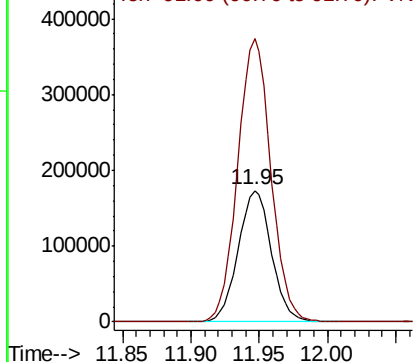


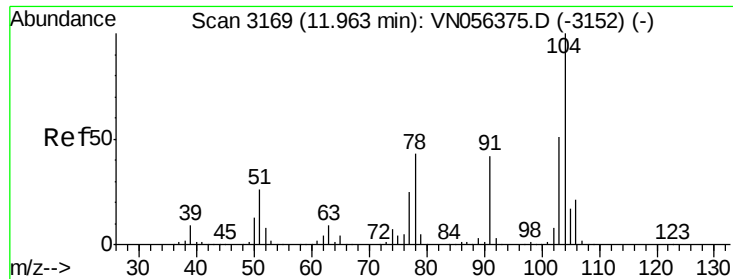
#69
o-Xylene
Concen: 47.541 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion:106 Resp: 293647
Ion Ratio Lower Upper
106 100
91 214.8 107.1 321.3



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

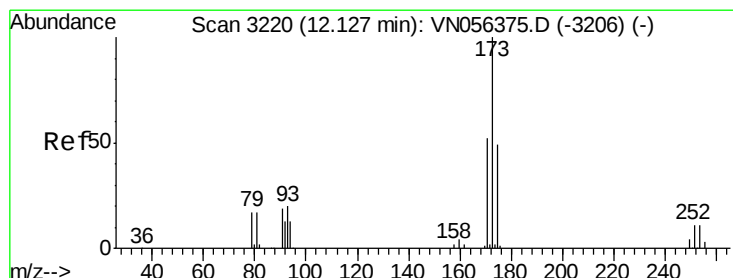
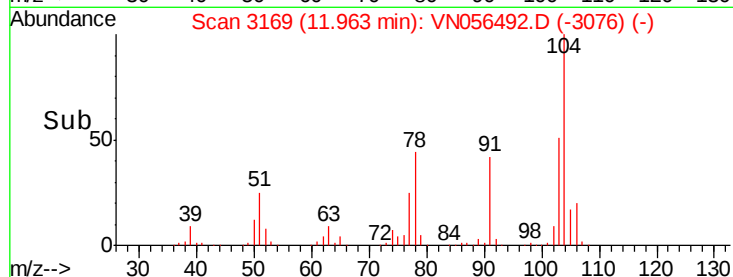
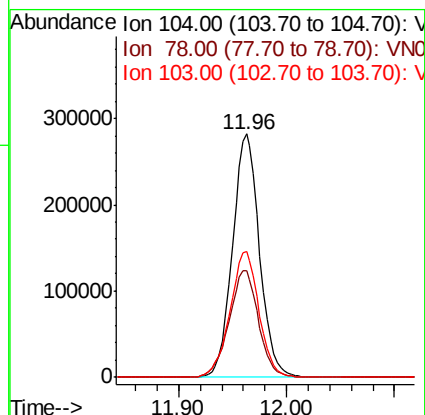
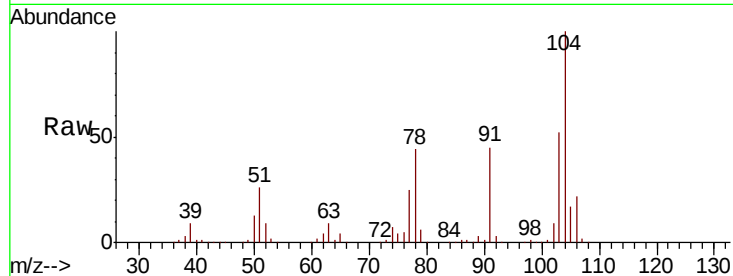




#70
Stvrene
Concen: 49.738 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

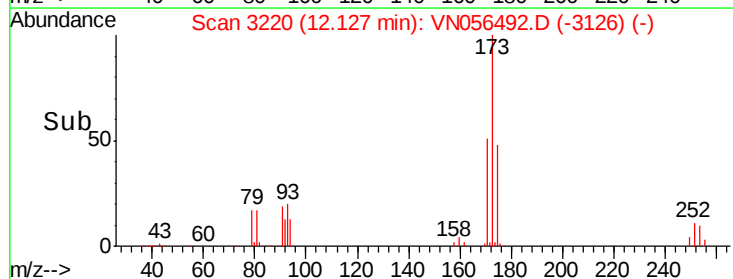
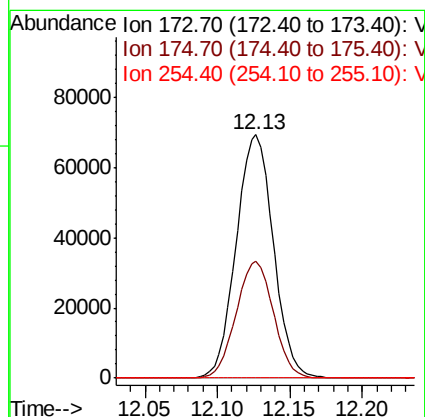
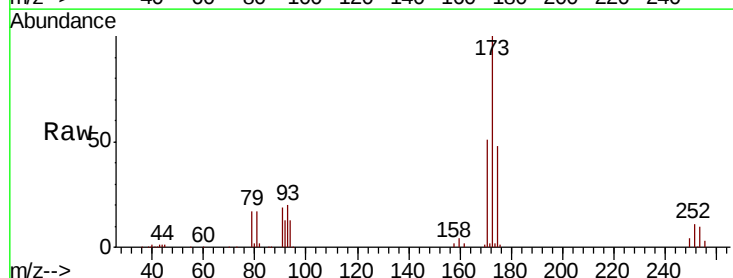
Instrument :
MSVOA_N
ClientSampleId :
SP-19-LF2MW2MSD

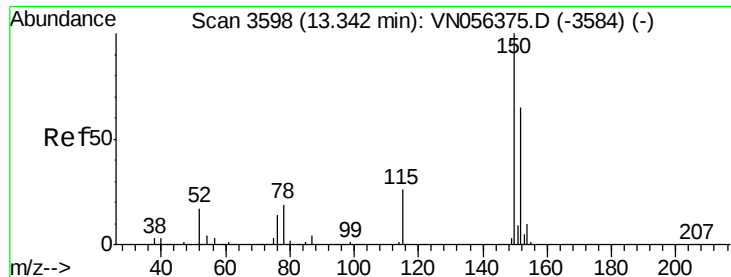
Tot Ion:104 Resp: 491065
Ion Ratio Lower Upper
104 100
78 48.0 38.6 57.8
103 55.6 43.9 65.9



#71
Bromoform
Concen: 46.988 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056492.D
Acq: 25 Jun 2019 17:21

Tgt Ion:173 Resp: 123767
Ion Ratio Lower Upper
173 100
175 48.0 24.4 73.4
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

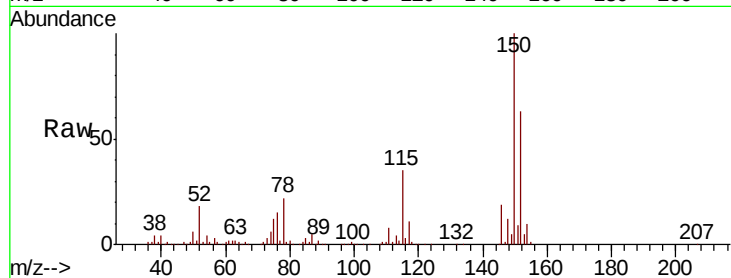
Tot Ion:152 Resp: 200739

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.4

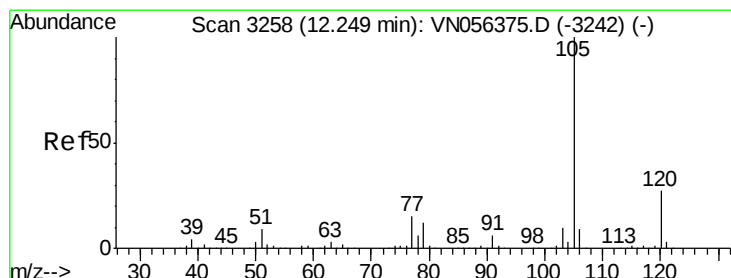
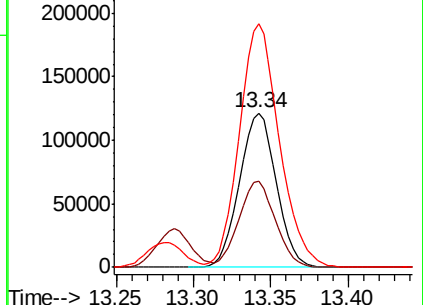
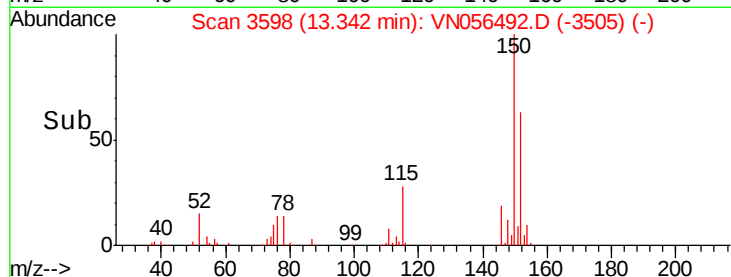
150 171.6 0.0 348.4



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: 52.060 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056492.D

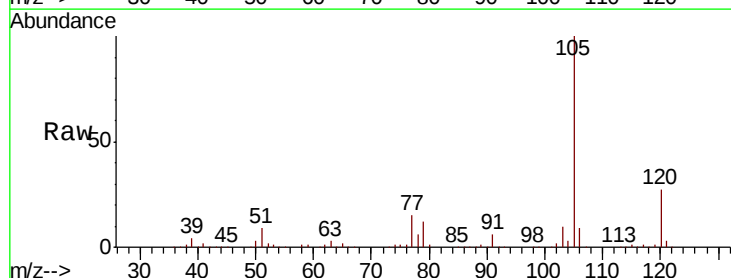
Acq: 25 Jun 2019 17:21

Tgt Ion:105 Resp: 783269

Ion Ratio Lower Upper

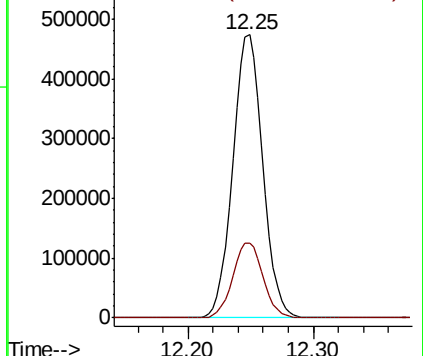
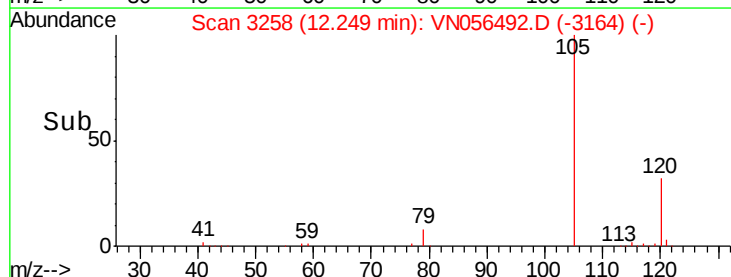
105 100

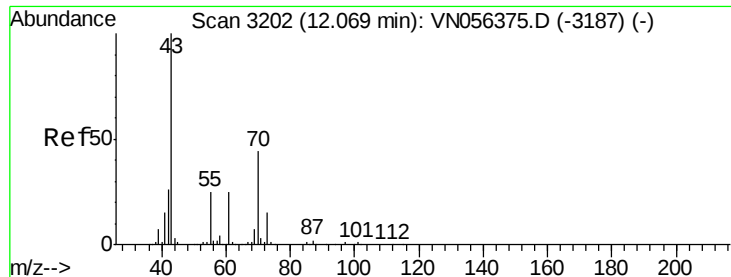
120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 47.549 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

Tot Ion: 43 Resp: 303776

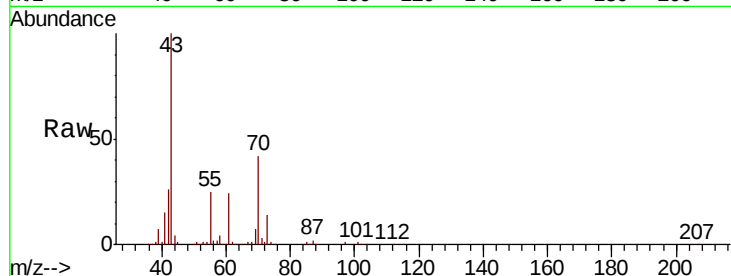
Ion Ratio Lower Upper

43 100

70 43.3 34.9 52.3

55 24.9 20.4 30.6

61 24.7 19.8 29.8

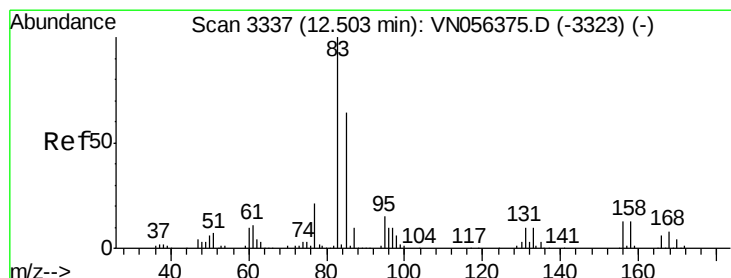
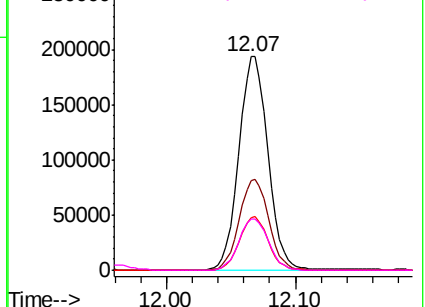
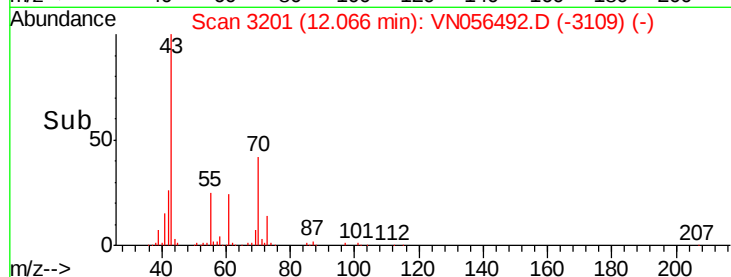


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 54.996 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

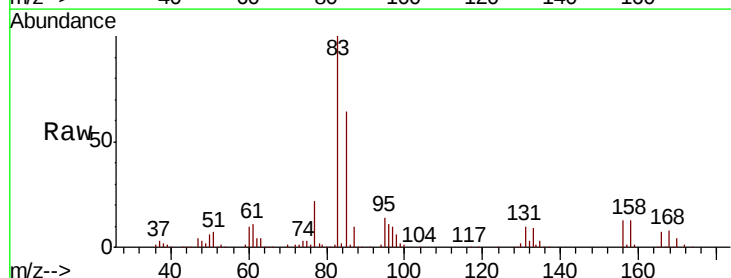
Tgt Ion: 83 Resp: 255272

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

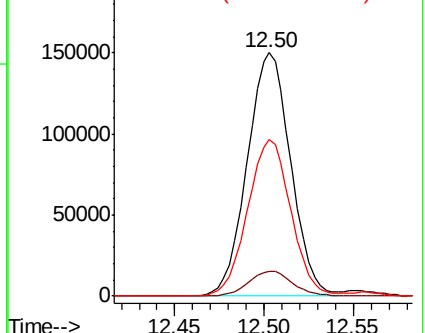
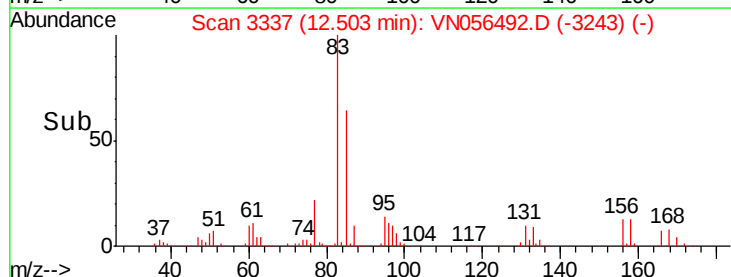
85 63.9 32.4 97.0

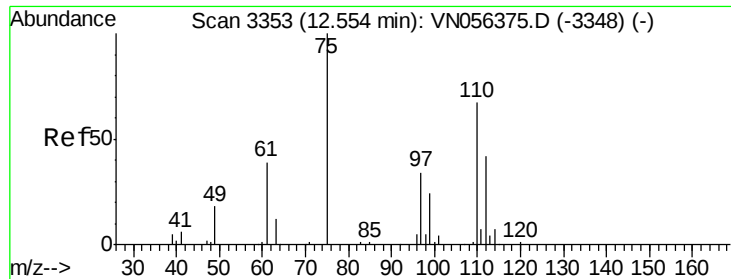


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

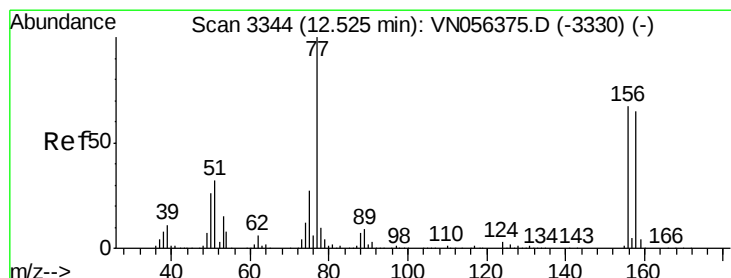
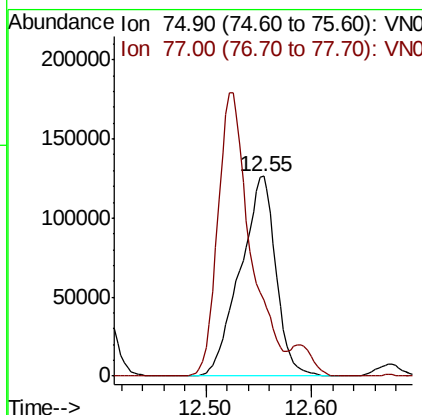
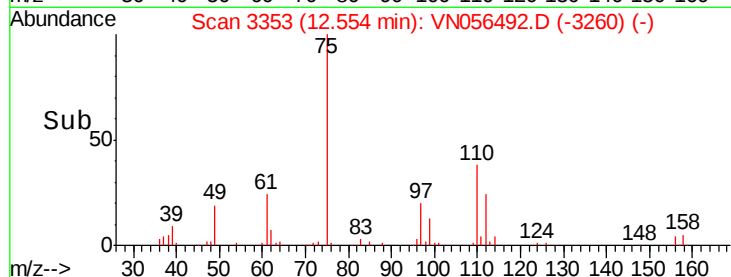
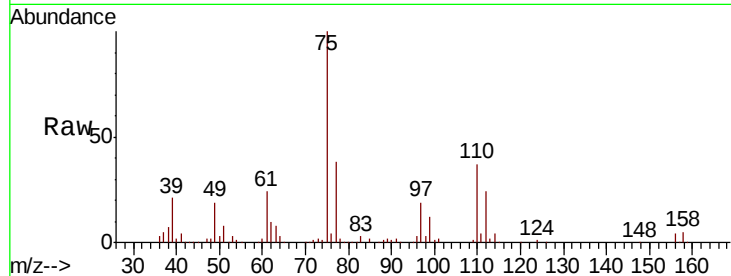




#76
 1,2,3-Trichloropropane
 Concen: 71.421 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

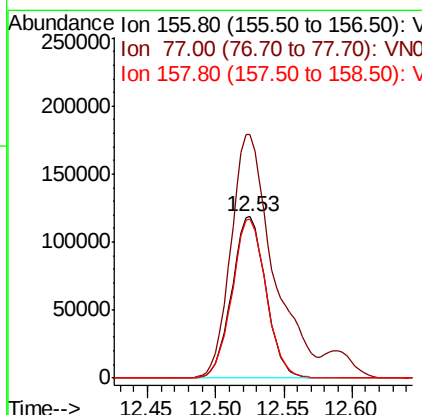
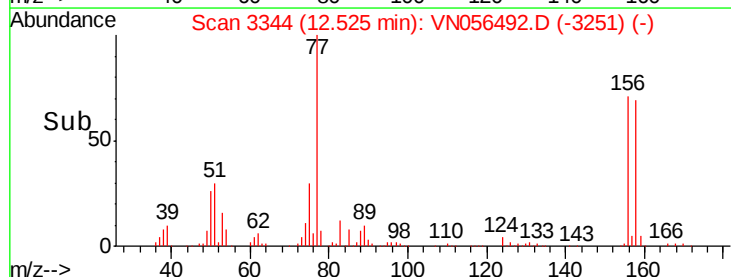
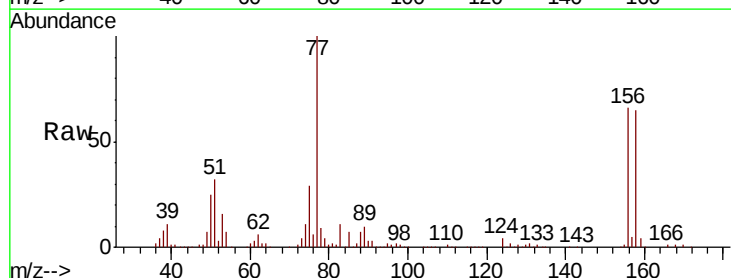
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

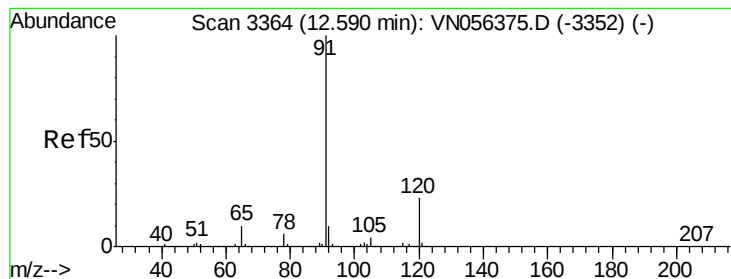
Tot Ion: 75 Resp: 297278
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 45.801 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion: 156 Resp: 205580
 Ion Ratio Lower Upper
 156 100
 77 187.8 92.5 277.3
 158 98.4 48.7 146.1





#78

n-propylbenzene

Concen: 45.868 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

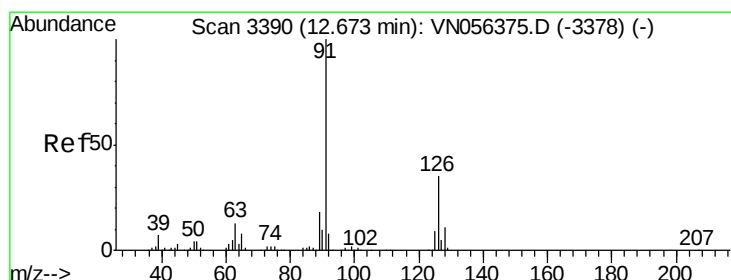
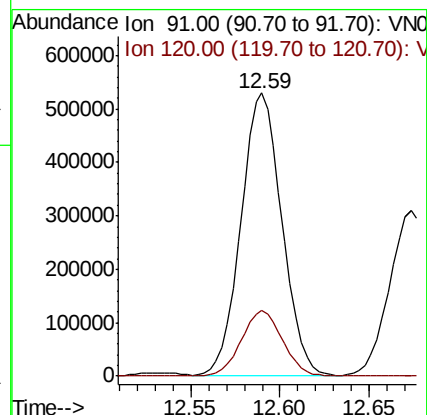
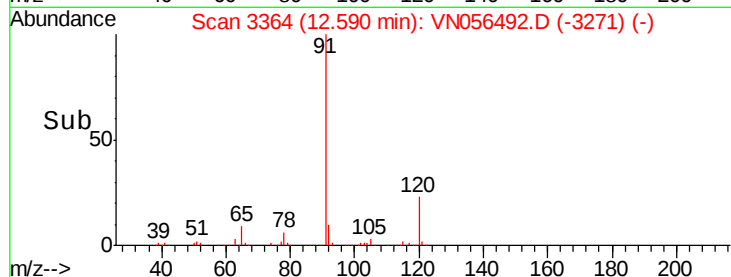
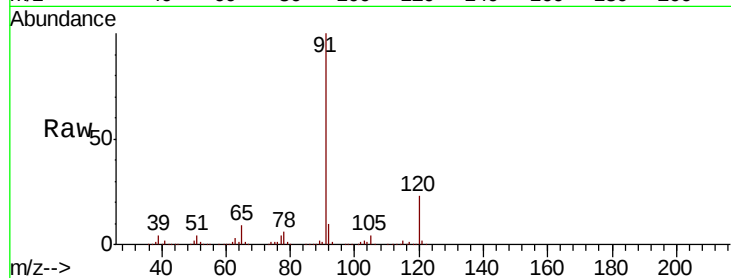
SP-19-LF2MW2MSD

Tot Ion: 91 Resp: 843193

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.4



#79

2-Chlorotoluene

Concen: 51.028 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056492.D

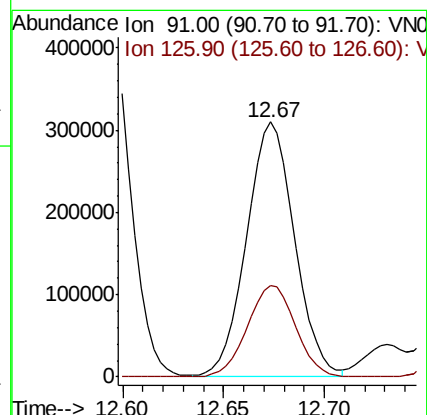
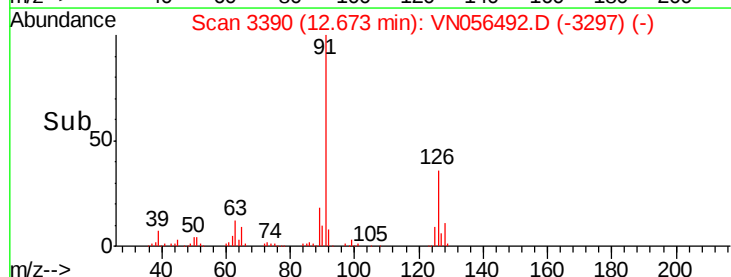
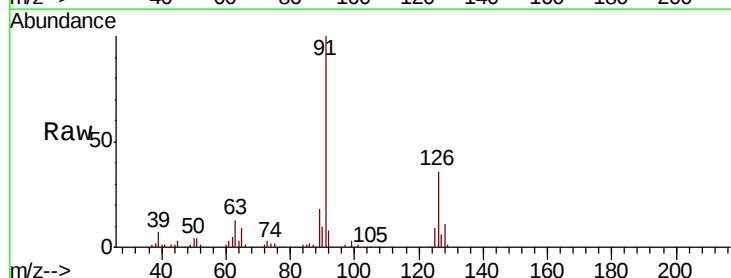
Acq: 25 Jun 2019 17:21

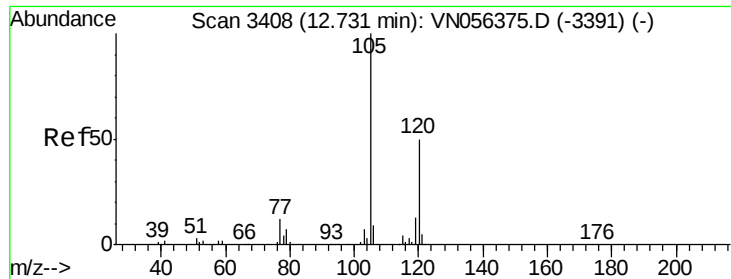
Tgt Ion: 91 Resp: 513844

Ion Ratio Lower Upper

91 100

126 36.2 17.6 52.8

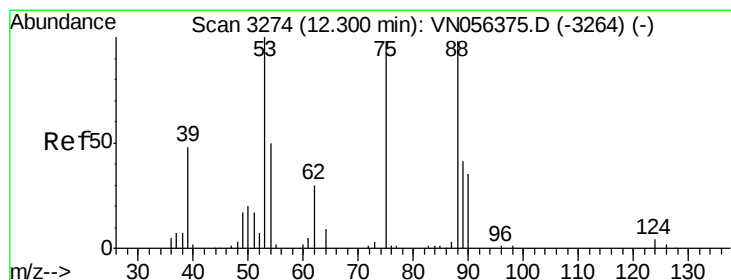
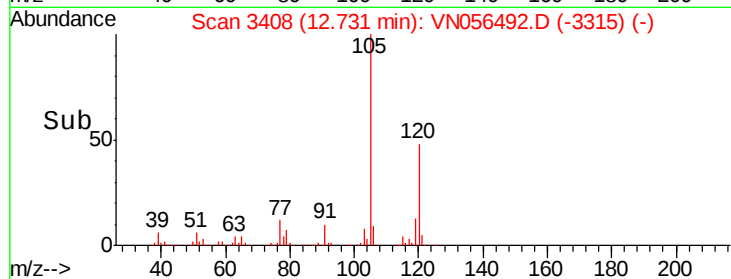
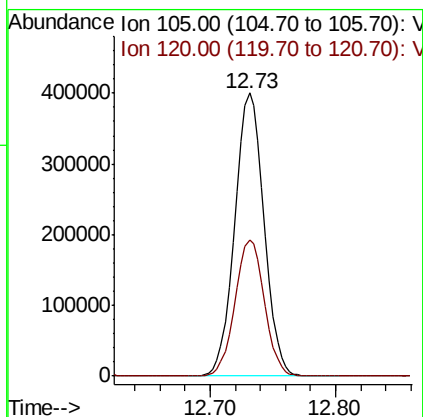
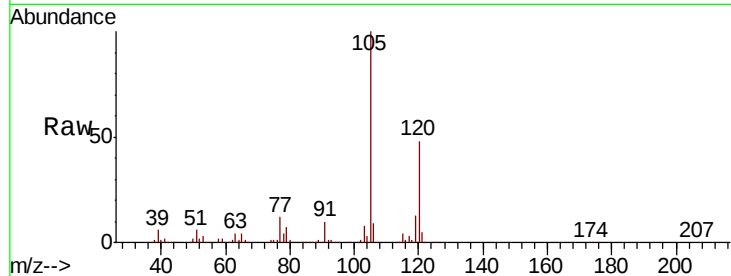




#80
 1,3,5-Trimethylbenzene
 Concen: 51.190 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

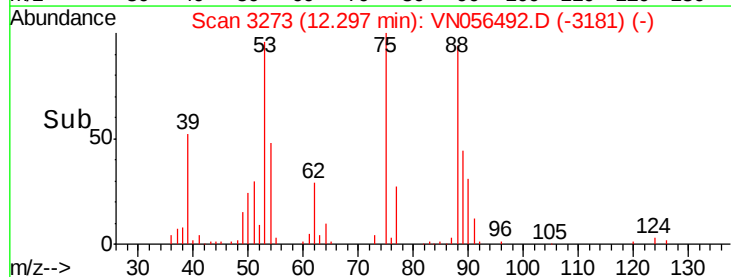
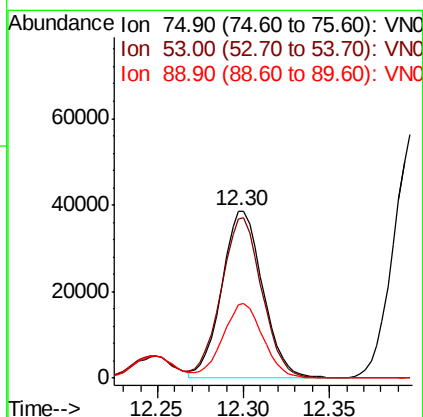
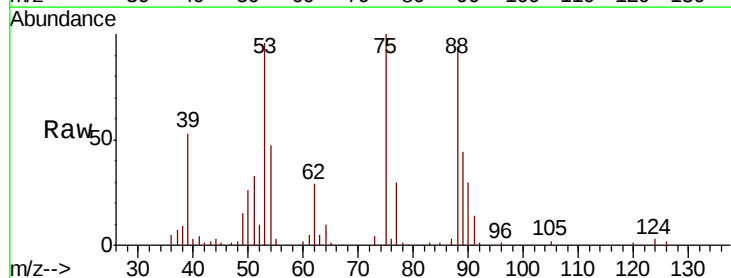
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

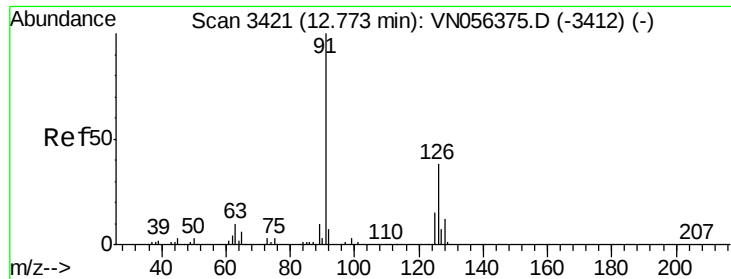
Tot Ion:105 Resp: 646024
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.752 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion: 75 Resp: 64121
 Ion Ratio Lower Upper
 75 100
 53 95.8 83.9 125.9
 89 44.0 35.0 52.6





#82

4-Chlorotoluene

Concen: 46.387 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

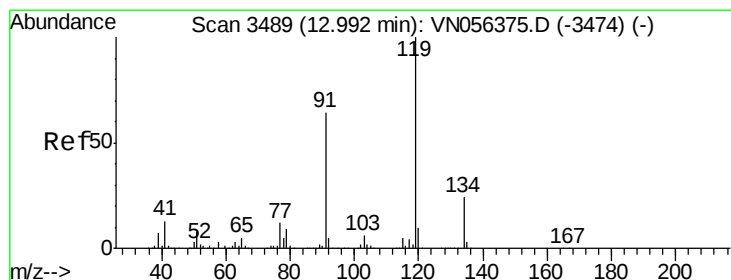
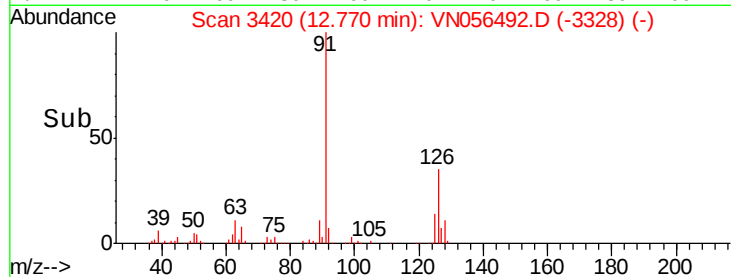
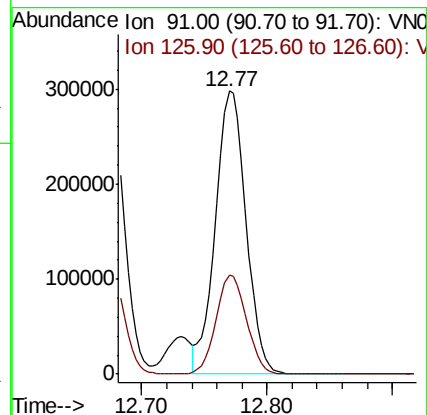
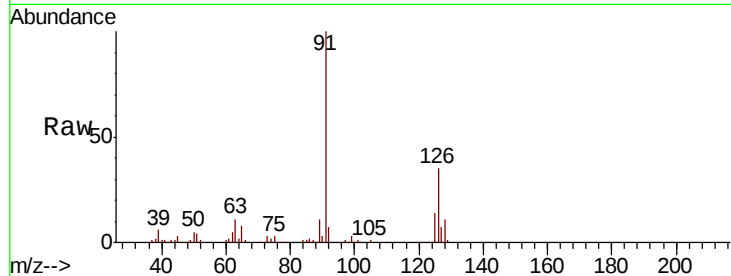
SP-19-LF2MW2MSD

Tot Ion: 91 Resp: 503489

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0



#83

tert-Butylbenzene

Concen: 52.206 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

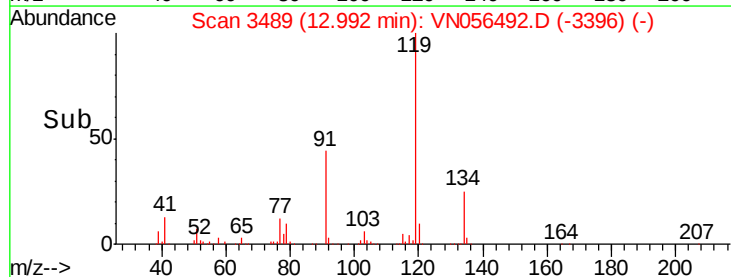
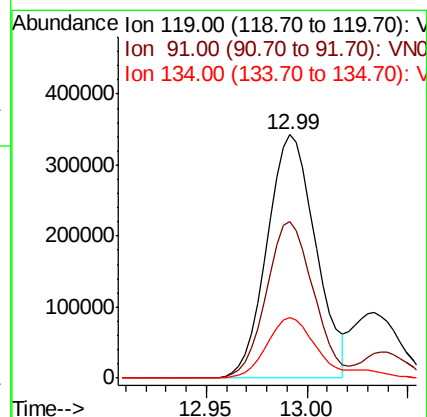
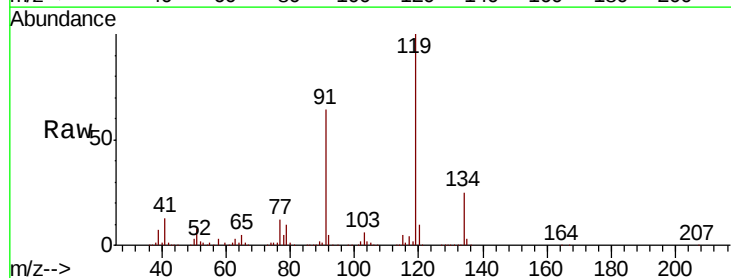
Tgt Ion: 119 Resp: 573359

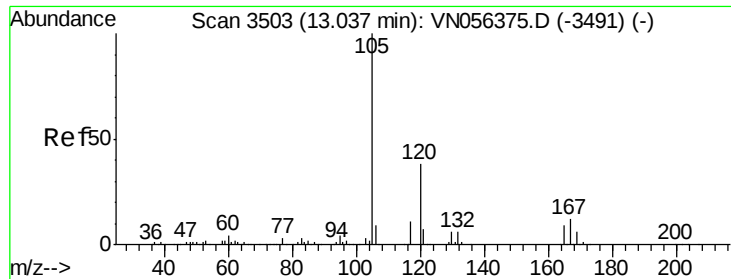
Ion Ratio Lower Upper

119 100

91 62.7 31.6 94.7

134 27.0 13.2 39.5

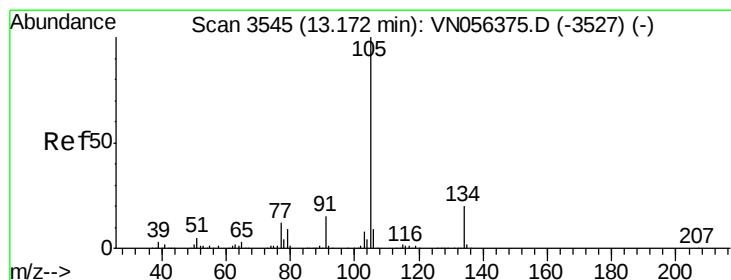
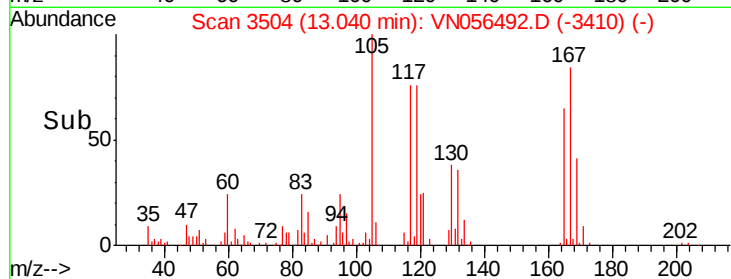
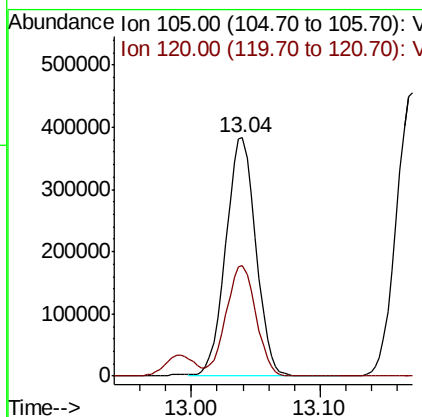
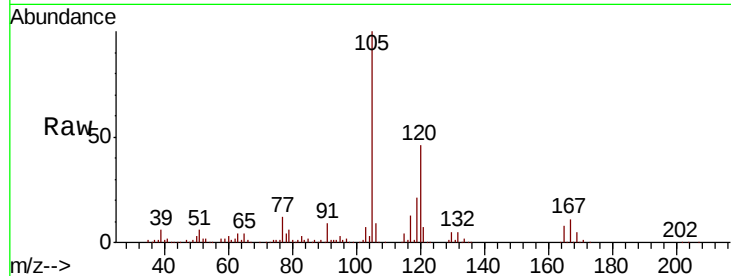




#84
 1,2,4-Trimethylbenzene
 Concen: 45.685 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

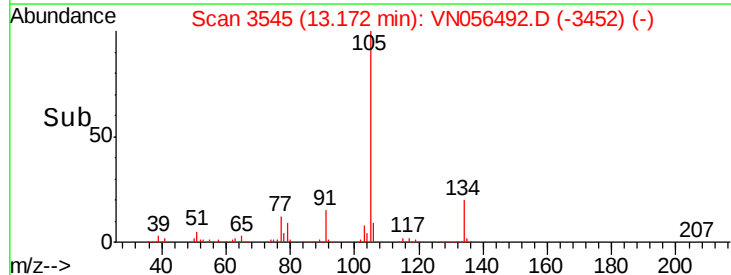
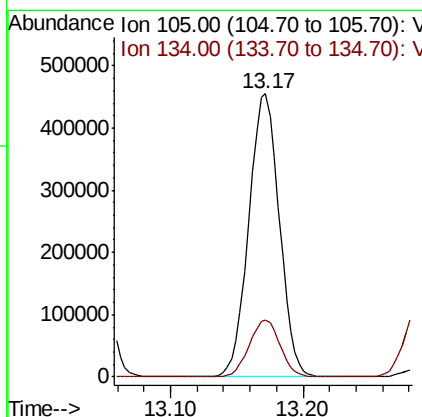
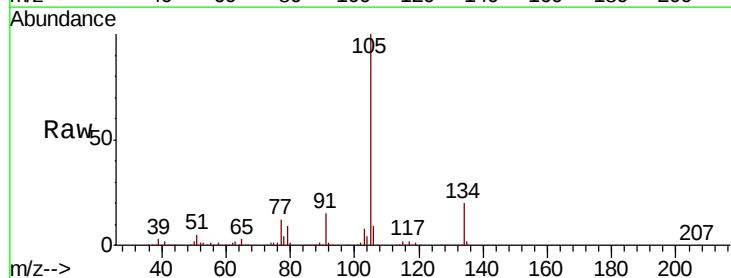
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

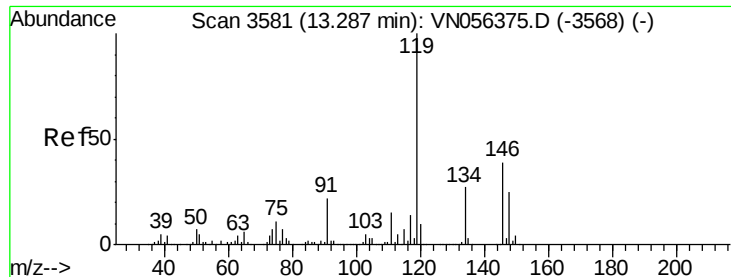
Tot Ion:105 Resp: 617375
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 45.043 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion:105 Resp: 727781
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4

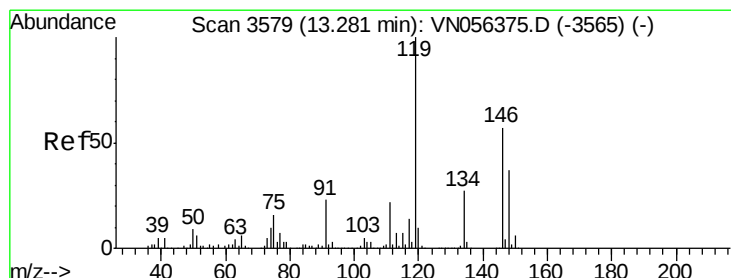
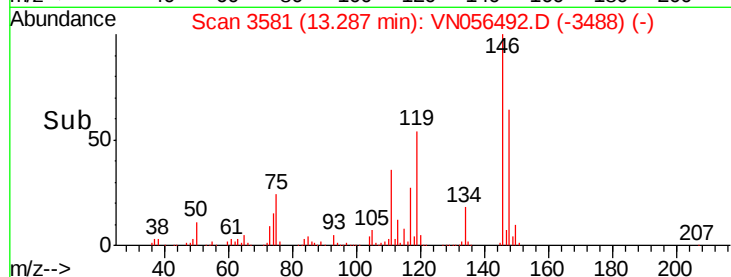
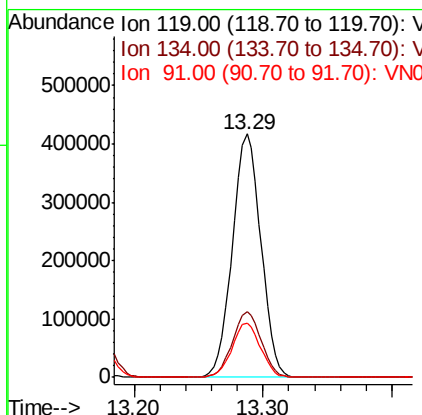
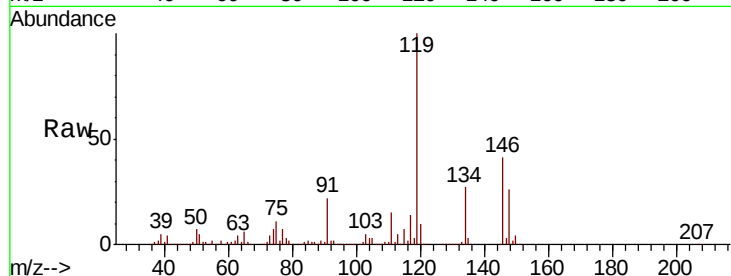




#86
 p-Isopropyltoluene
 Concen: 46.041 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

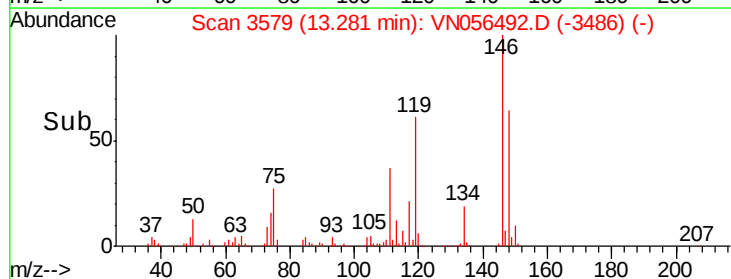
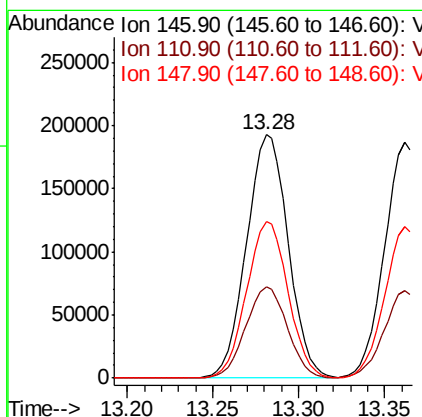
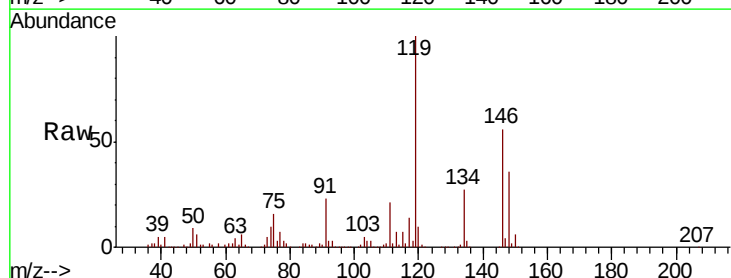
Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

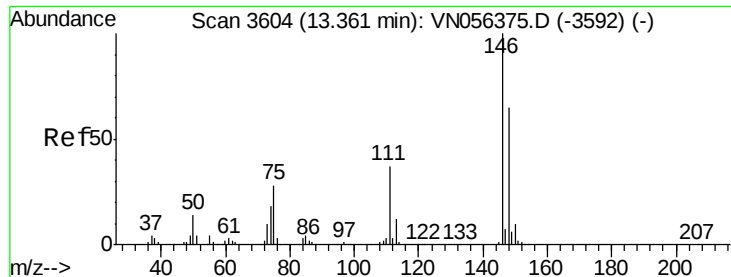
Tot Ion:119 Resp: 638424
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.4
 91 22.2 11.2 33.5



#87
 1,3-Dichlorobenzene
 Concen: 47.688 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Tgt Ion:146 Resp: 324384
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.9
 148 63.8 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 47.159 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

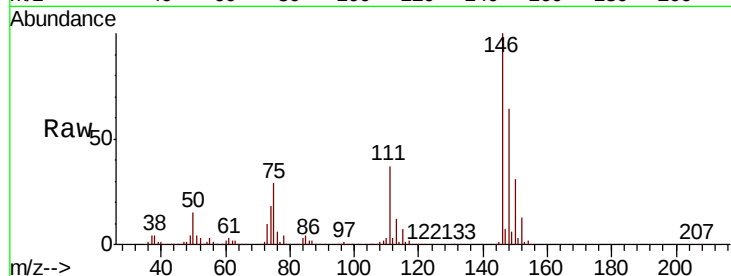
Tot Ion:146 Resp: 310673

Ion Ratio Lower Upper

146 100

111 36.8 18.4 55.4

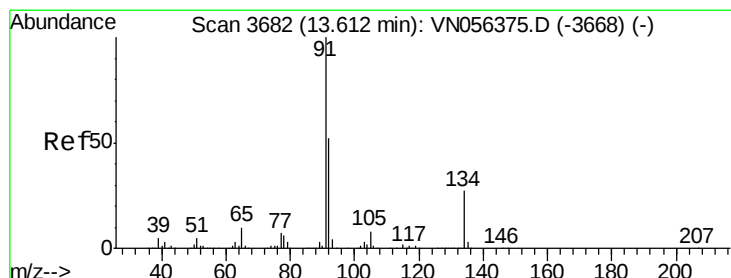
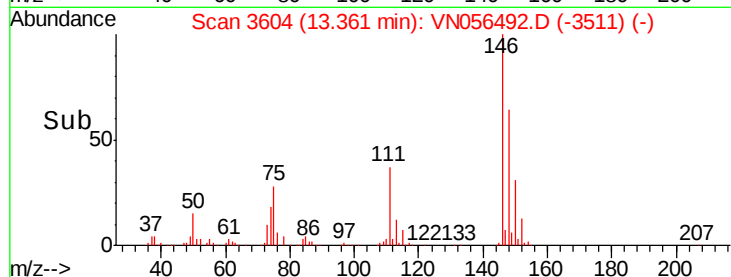
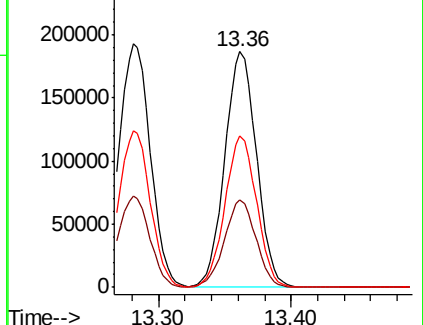
148 64.0 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 44.706 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

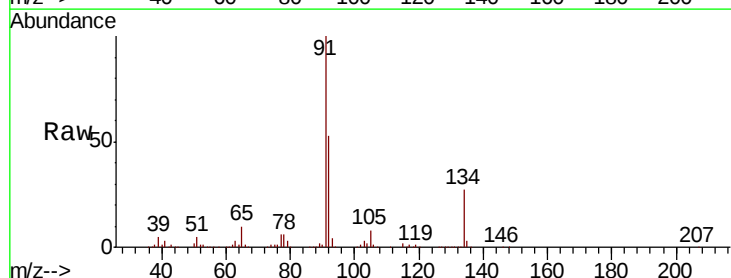
Tgt Ion: 91 Resp: 469290

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.5

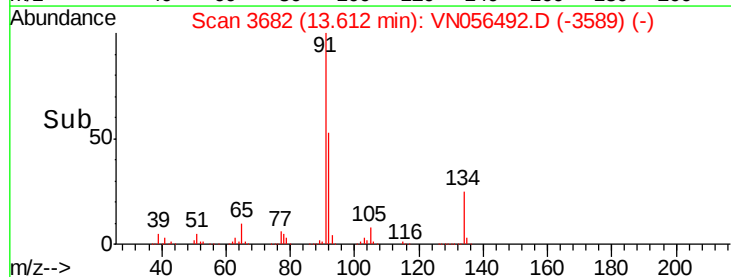
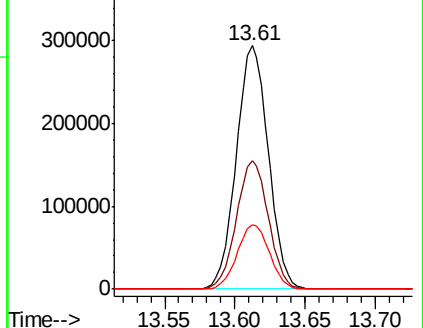
134 26.7 13.4 40.2

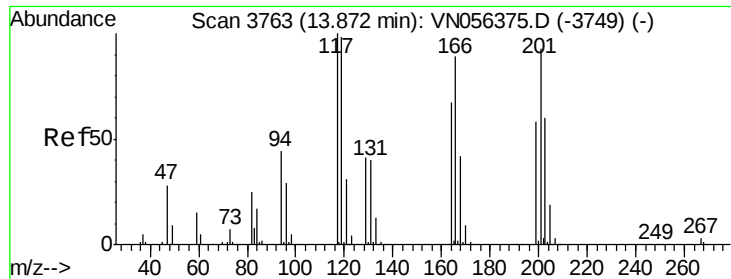


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 50.077 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

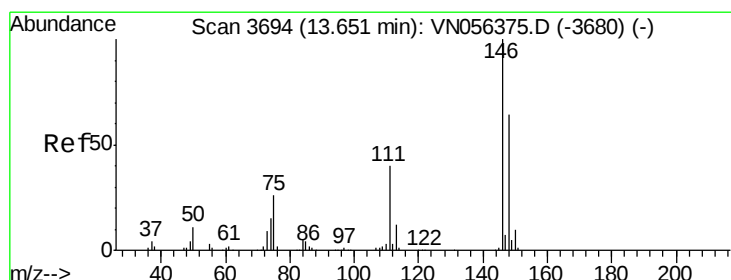
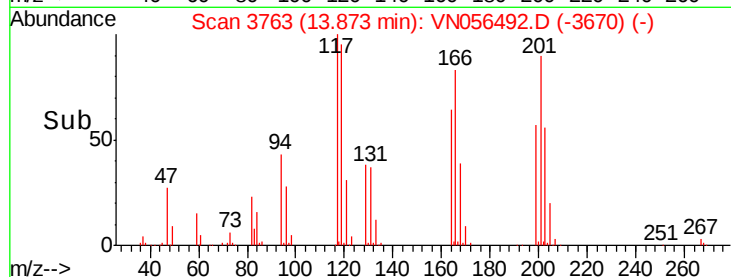
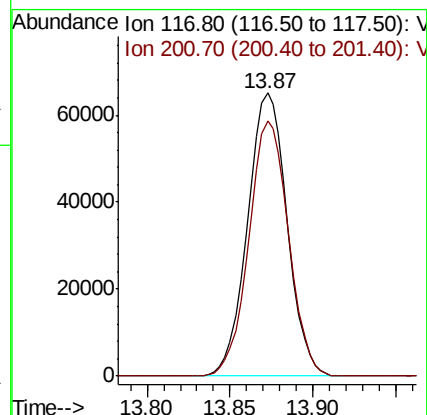
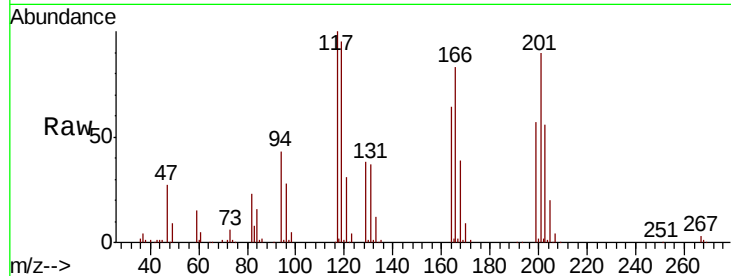
SP-19-LF2MW2MSD

Tot Ion:117 Resp: 108258

Ion Ratio Lower Upper

117 100

201 90.2 45.9 137.6



#91

1,2-Dichlorobenzene

Concen: 47.914 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

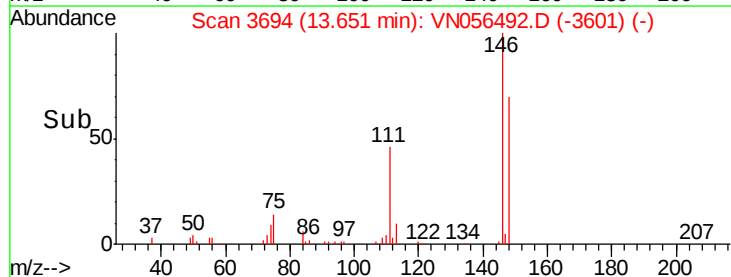
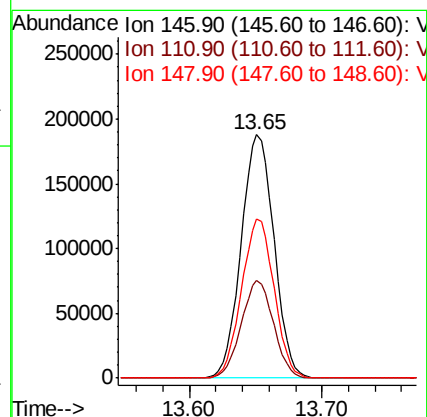
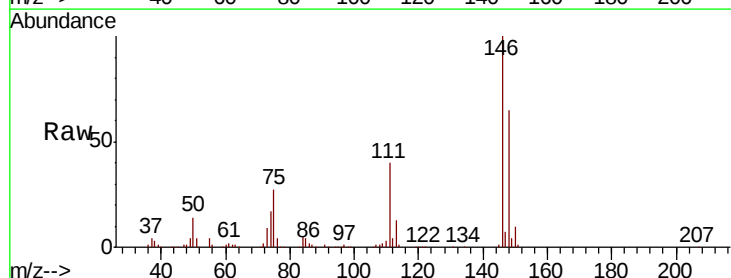
Tgt Ion:146 Resp: 323357

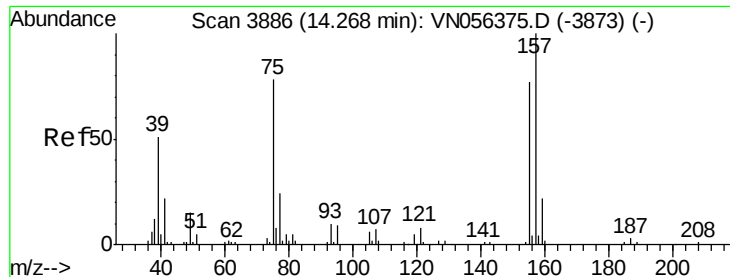
Ion Ratio Lower Upper

146 100

111 39.3 19.3 57.9

148 64.7 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 52.779 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

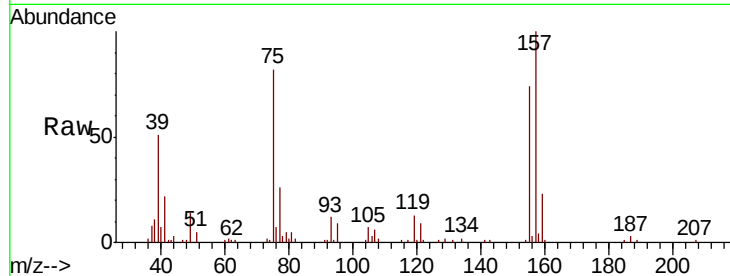
Tot Ion: 75 Resp: 39202

Ion Ratio Lower Upper

75 100

155 95.6 48.9 146.8

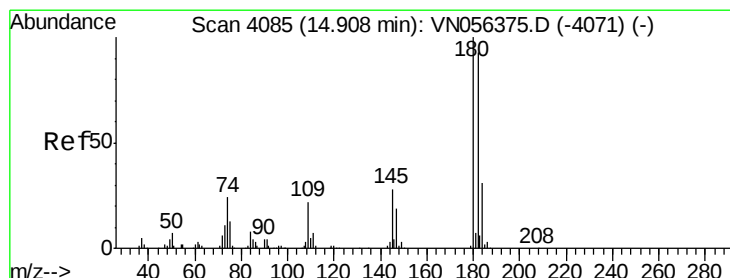
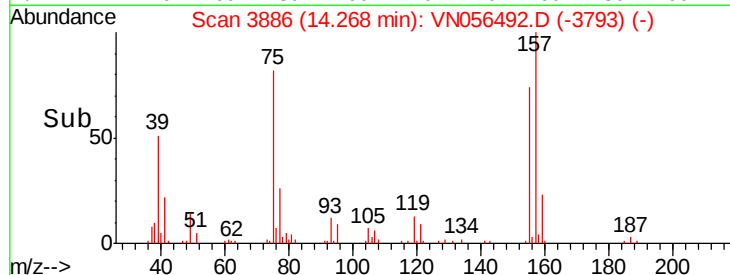
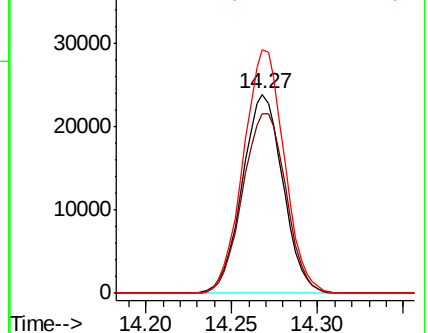
157 123.0 62.9 188.8



Abundance Ion 74.90 (74.60 to 75.60): VN056375.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN056375.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN056375.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 40.114 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

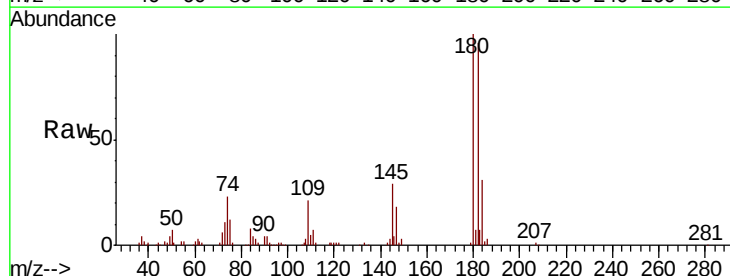
Tgt Ion:180 Resp: 136586

Ion Ratio Lower Upper

180 100

182 95.3 46.9 140.6

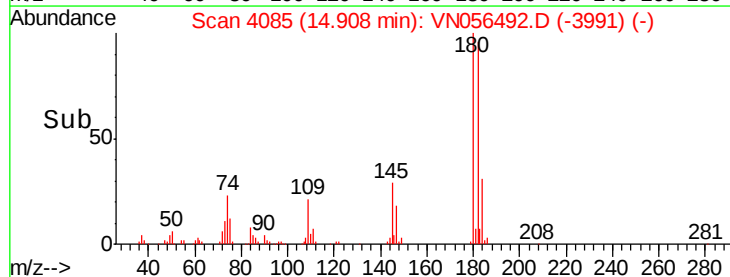
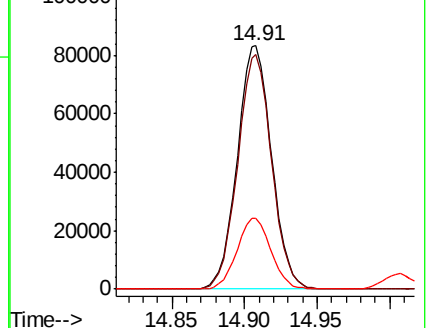
145 28.7 14.4 43.0

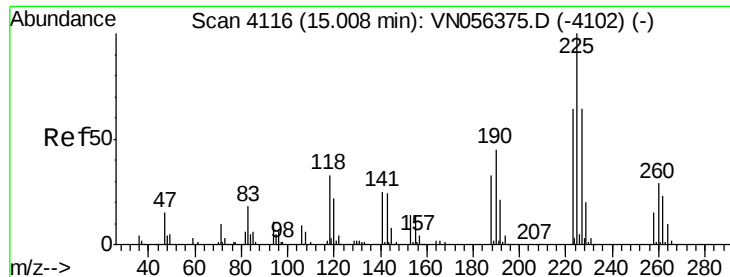


Abundance Ion 179.80 (179.50 to 180.50): VN056375.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN056375.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN056375.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 49.037 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

Instrument :

MSVOA_N

ClientSampleId :

SP-19-LF2MW2MSD

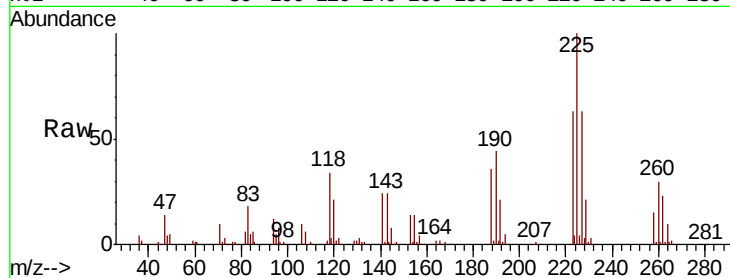
Tot Ion:225 Resp: 112233

Ion Ratio Lower Upper

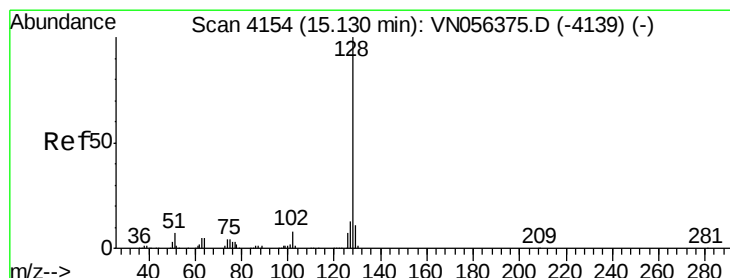
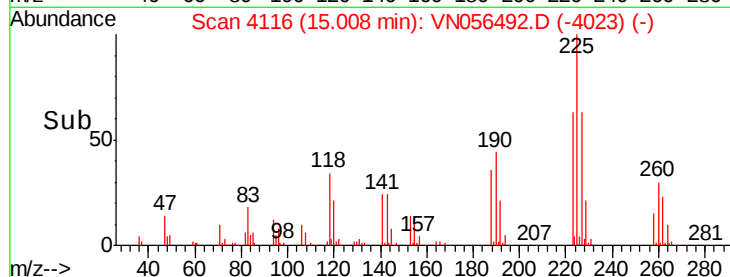
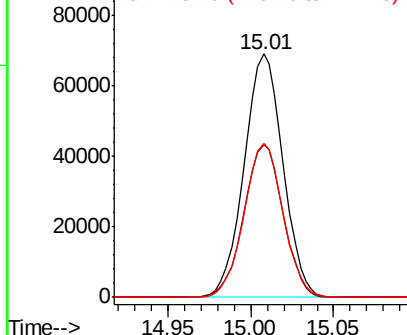
225 100

223 63.3 31.4 94.3

227 63.2 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 42.595 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056492.D

Acq: 25 Jun 2019 17:21

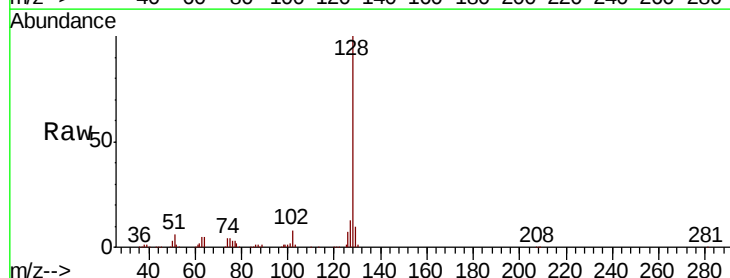
Tgt Ion:128 Resp: 383270

Ion Ratio Lower Upper

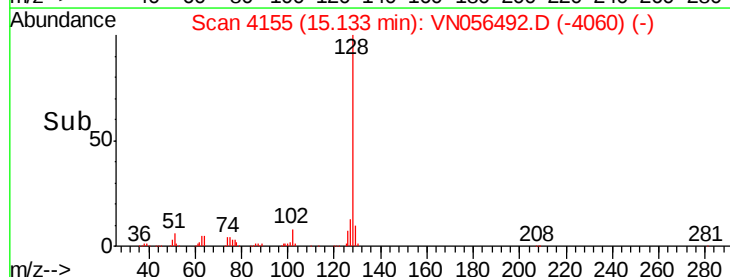
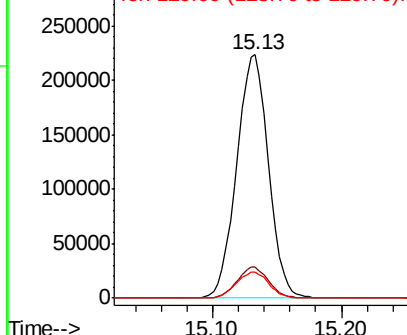
128 100

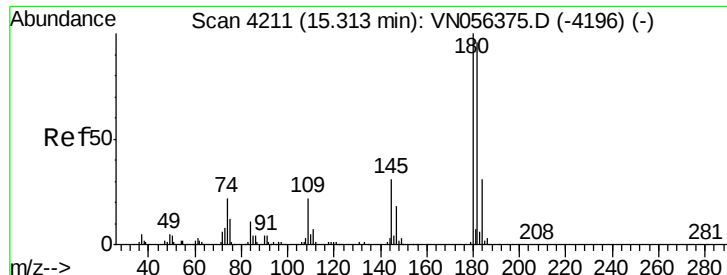
127 12.6 10.2 15.2

129 11.0 8.6 12.8



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





#96
 1,2,3-Trichlorobenzene
 Concen: 43.310 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056492.D
 Acq: 25 Jun 2019 17:21

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-19-LF2MW2MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.3	144.8
145	30.3	15.4	46.1

