

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057553.D
 Acq On : 29 Aug 2019 16:39
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 17:29:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	476353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	736678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	721844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	364790	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	375212	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	7.58	113	321981	60.83	ug/l	0.00
Spiked Amount			Recovery	=	121.66%	
50) Toluene-d8	10.08	98	1278429	63.66	ug/l	0.00
Spiked Amount			Recovery	=	127.32%	
62) 4-Bromofluorobenzene	12.40	95	433521	63.65	ug/l	0.00
Spiked Amount			Recovery	=	127.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	260110	46.772	ug/l	94
3) Chloromethane	2.06	50	248727	32.632	ug/l	99
4) Vinyl Chloride	2.18	62	379037	39.970	ug/l	98
5) Bromomethane	2.55	94	329072	52.781	ug/l	99
6) Chloroethane	2.69	64	249388	40.515	ug/l	99
7) Trichlorofluoromethane	3.01	101	786626	50.860	ug/l	98
8) Diethyl Ether	3.40	74	247696	43.456	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.74	101	461284	53.093	ug/l #	84
10) Methyl Iodide	3.93	142	785792	96.823	ug/l	93
11) Tert butyl alcohol	4.80	59	178535	180.046	ug/l	98
12) 1,1-Dichloroethene	3.72	96	444508	53.210	ug/l #	74
13) Acrolein	3.59	56	153693	178.618	ug/l	98
14) Allyl chloride	4.30	41	323970	29.301	ug/l #	85
15) Acrylonitrile	4.98	53	474650	177.496	ug/l	99
16) Acetone	3.81	43	787484	198.620	ug/l	93
17) Carbon Disulfide	4.02	76	584811	38.750	ug/l	100
18) Methyl Acetate	4.31	43	225470	24.055	ug/l #	86
19) Methyl tert-butyl Ether	5.03	73	843733	43.465	ug/l #	88
20) Methylene Chloride	4.53	84	261978	41.984	ug/l #	81
21) trans-1,2-Dichloroethene	5.02	96	270050	46.823	ug/l #	82
22) Diisopropyl ether	5.94	45	726529	33.307	ug/l #	90
23) Vinyl Acetate	5.88	43	2973378	173.627	ug/l #	88
24) 1,1-Dichloroethane	5.83	63	471083	39.607	ug/l	97
25) 2-Butanone	6.83	43	619721	157.099	ug/l #	78
26) 2,2-Dichloropropane	6.81	77	490099	46.226	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	334081	48.652	ug/l	81
28) Bromochloromethane	7.18	49	204122	33.259	ug/l #	50
29) Tetrahydrofuran	7.20	42	377489	146.557	ug/l #	68
30) Chloroform	7.36	83	575208	45.119	ug/l	100
31) Cyclohexane	7.64	56	417302	37.122	ug/l #	78
32) 1,1,1-Trichloroethane	7.56	97	542194	50.832	ug/l #	93
36) 1,1-Dichloropropene	7.78	75	403528	52.266	ug/l	94
37) Ethyl Acetate	6.92	43	260201	36.470	ug/l #	91
38) Carbon Tetrachloride	7.76	117	476888	60.288	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	519204	56.066	ug/l #	84
40) Benzene	8.03	78	1230555	52.988	ug/l	99
41) Methacrylonitrile	7.16	41	108926	32.275	ug/l #	79
42) 1,2-Dichloroethane	8.11	62	433003	49.089	ug/l	97
43) Isopropyl Acetate	8.16	43	493933	37.534	ug/l #	90
44) Trichloroethene	8.83	130	340676	63.290	ug/l	85
45) 1,2-Dichloropropane	9.11	63	286255	45.038	ug/l	98
46) Dibromomethane	9.20	93	224618	53.463	ug/l #	87
47) Bromodichloromethane	9.40	83	470763	54.165	ug/l	100
48) Methyl methacrylate	9.19	41	227689	36.604	ug/l #	79
49) 1,4-Dioxane	9.20	88	83231	977.271	ug/l #	77
51) 4-Methyl-2-Pentanone	9.98	43	1368460	187.227	ug/l #	87
52) Toluene	10.15	92	835975	60.818	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	478230	52.954	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	511650	51.106	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	320844	57.994	ug/l	93
56) Ethyl methacrylate	10.43	69	429746	51.282	ug/l #	78
57) 1,3-Dichloropropane	10.70	76	500936	53.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	555450	280.335	ug/l #	82
59) 2-Hexanone	10.75	43	959325	190.989	ug/l	86
60) Dibromochloromethane	10.90	129	383946	64.235	ug/l	100
61) 1,2-Dibromoethane	11.00	107	342921	62.568	ug/l	97
64) Tetrachloroethene	10.63	164	343542	63.292	ug/l	95
65) Chlorobenzene	11.43	112	913000	59.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	361638	60.936	ug/l	98
67) Ethyl Benzene	11.51	91	1650134	56.426	ug/l	95
68) m/p-Xylenes	11.62	106	1284282	126.379	ug/l	89
69) o-Xylene	11.95	106	621135	61.966	ug/l	93
70) Styrene	11.96	104	1019084	64.120	ug/l	94
71) Bromoform	12.13	173	257030	63.756	ug/l #	100
73) Isopropylbenzene	12.25	105	1678675	41.153	ug/l	98
74) N-amyl acetate	12.07	43	404465	23.167	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.50	83	399614	34.157	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	496964	54.941	ug/l #	100
77) Bromobenzene	12.53	156	400081	48.289	ug/l	71
78) n-propylbenzene	12.59	91	1793023	41.747	ug/l	94
79) 2-Chlorotoluene	12.67	91	1064758	41.602	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	1453798	44.997	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	117973	34.312	ug/l	87
82) 4-Chlorotoluene	12.77	91	1056332	43.180	ug/l	91
83) tert-Butylbenzene	12.99	119	1250355	43.315	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	1418304	49.482	ug/l	98
85) sec-Butylbenzene	13.17	105	1624429	46.170	ug/l	97
86) p-Isopropyltoluene	13.29	119	1463618	50.404	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	667638	54.832	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	634867	53.486	ug/l	95
89) n-Butylbenzene	13.62	91	1124094	46.735	ug/l	97
90) Hexachloroethane	13.88	117	266127	40.461	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	643438	55.408	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65431	34.746	ug/l	66

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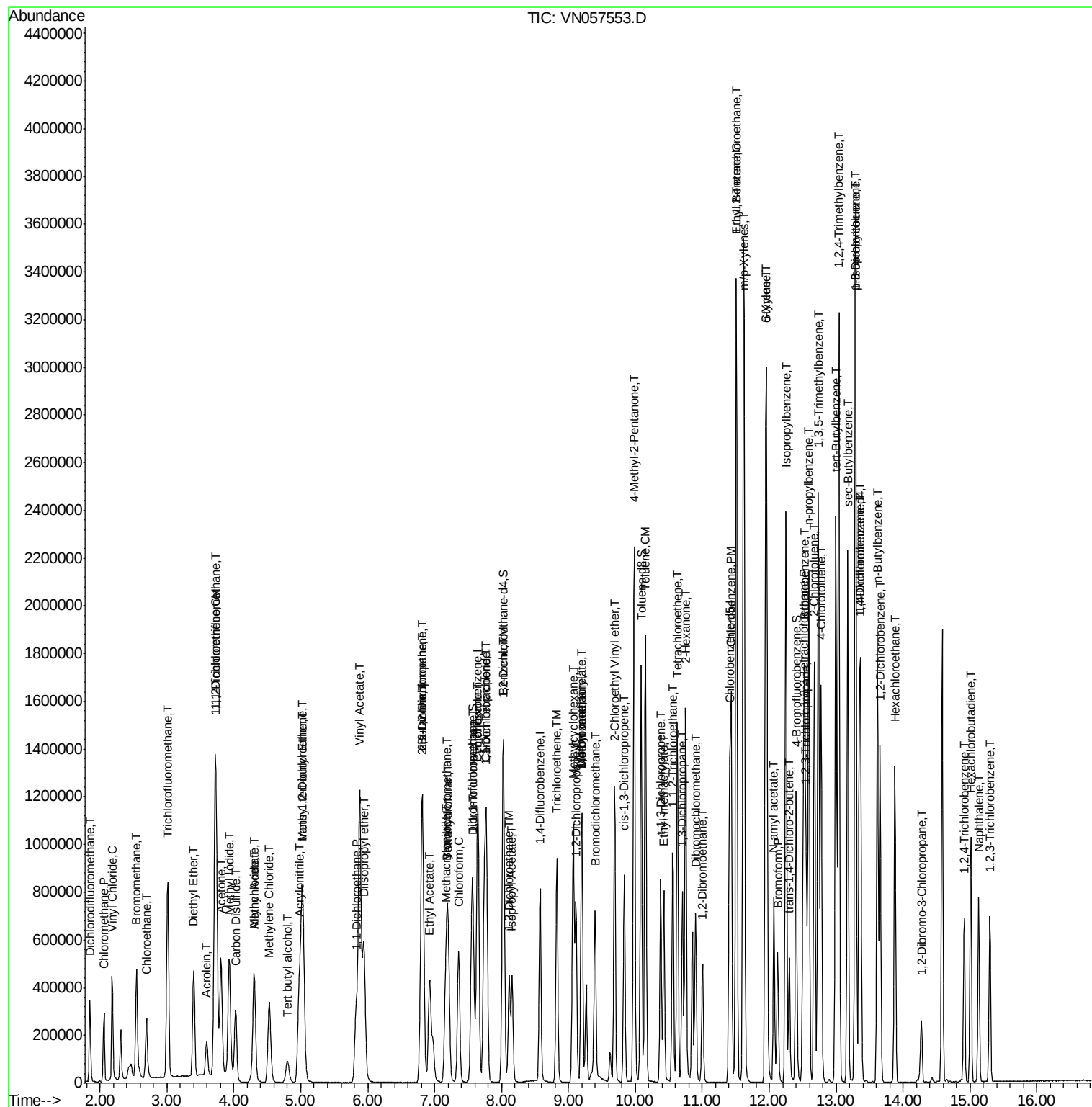
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	223890	52.711	ug/l	98
94) Hexachlorobutadiene	15.01	225	183262	50.610	ug/l	98
95) Naphthalene	15.13	128	653794	47.489	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	217187	49.352	ug/l	98

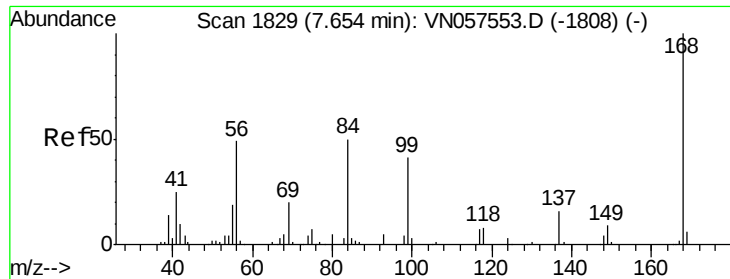
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082919\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

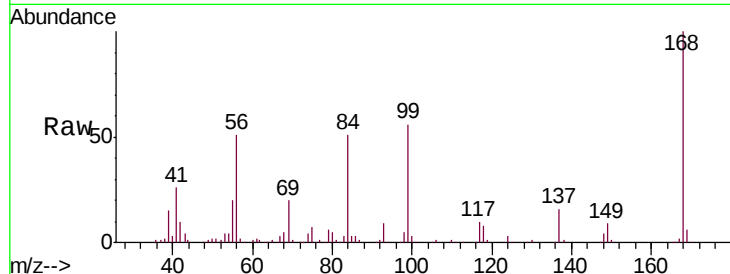
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 476353

Ion Ratio Lower Upper

168 100

99 55.8 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

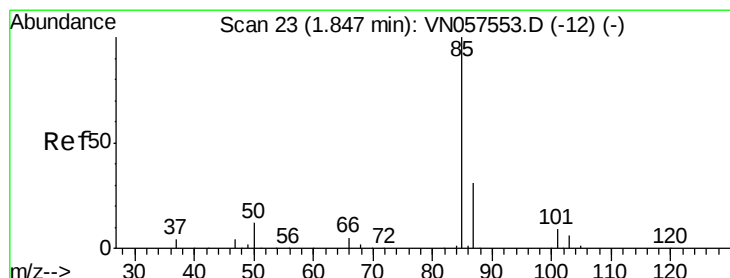
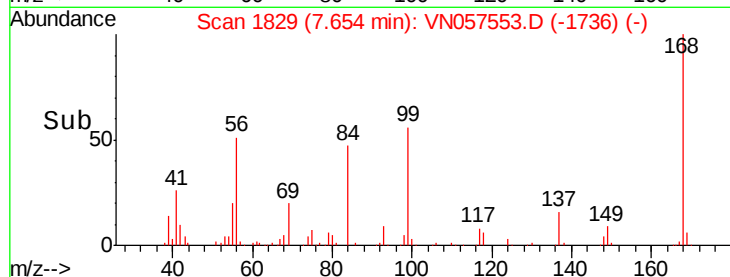
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.772 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057553.D

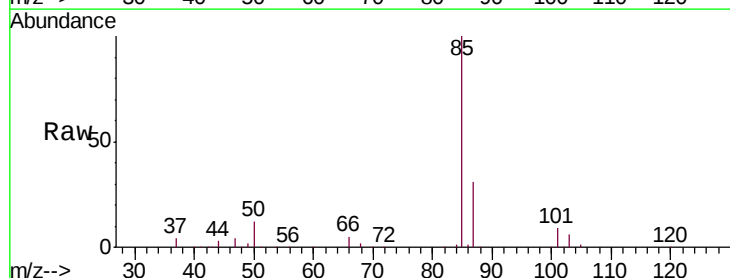
Acq: 29 Aug 2019 16:39

Tgt Ion: 85 Resp: 260110

Ion Ratio Lower Upper

85 100

87 30.6 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

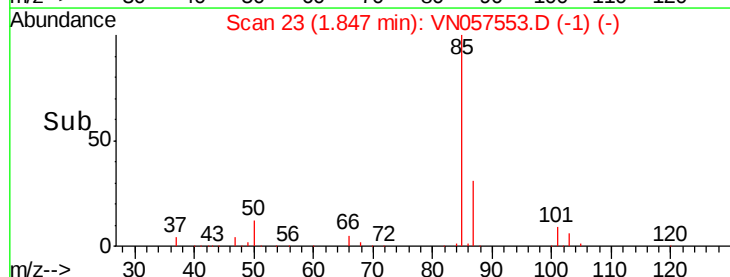
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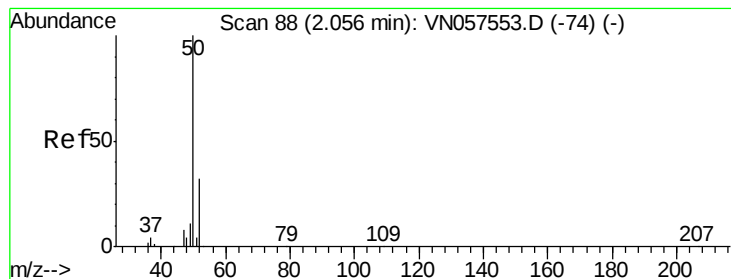
100000

50000

0

Time-->





#3

Chloromethane

Concen: 32.632 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

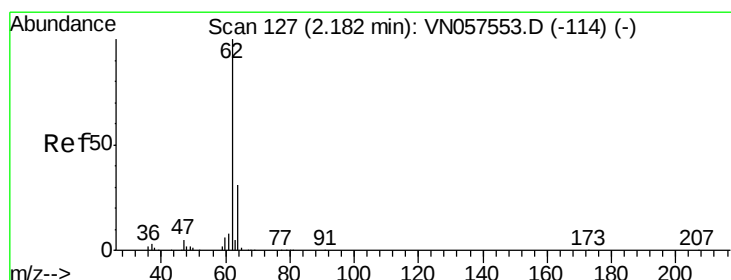
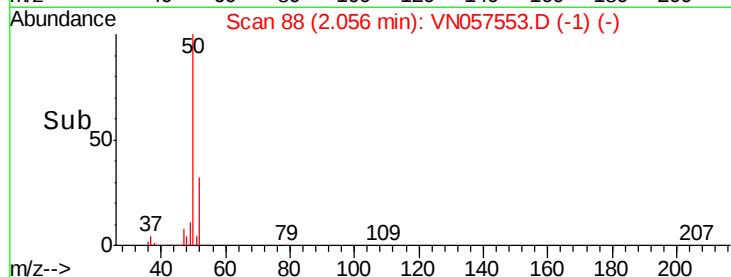
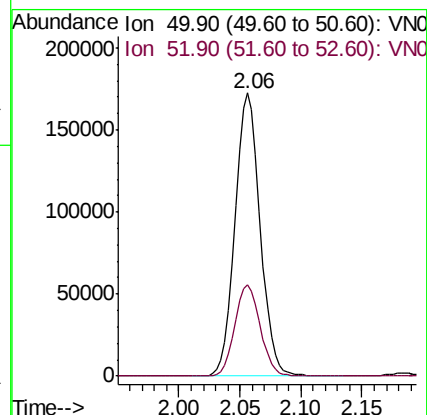
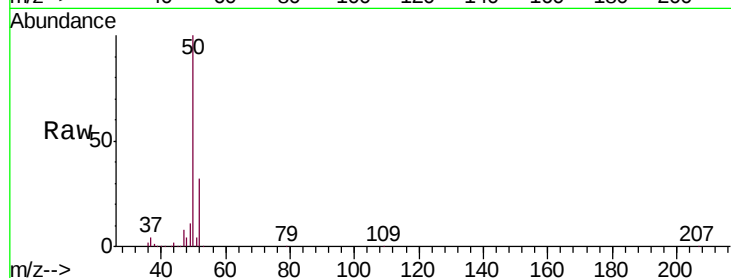
ClientSampleId :

Tot Ion: 50 Resp: 248727

Ion Ratio Lower Upper

50 100

52 32.1 25.1 37.7



#4

Vinyl Chloride

Concen: 39.970 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057553.D

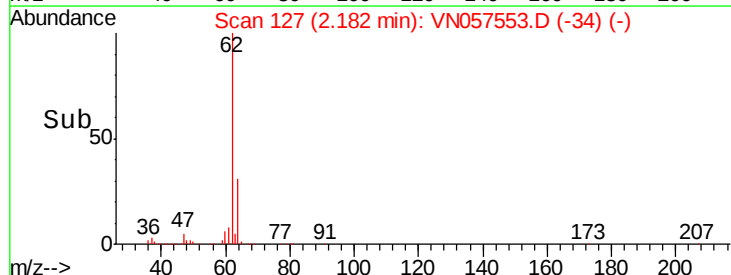
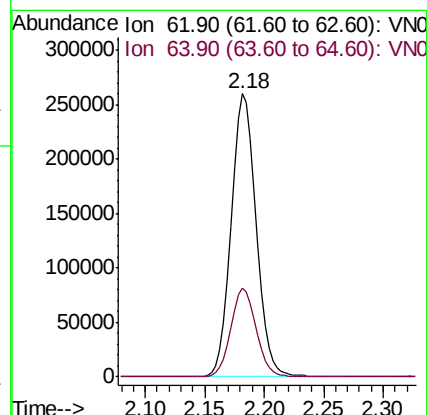
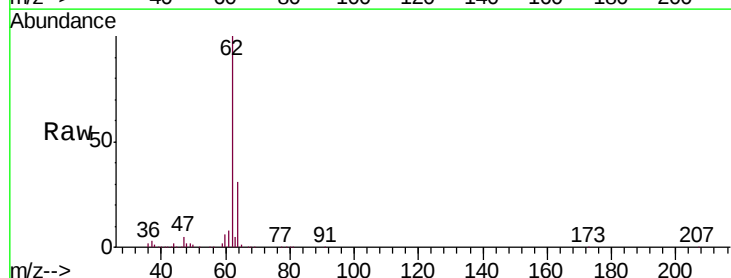
Acq: 29 Aug 2019 16:39

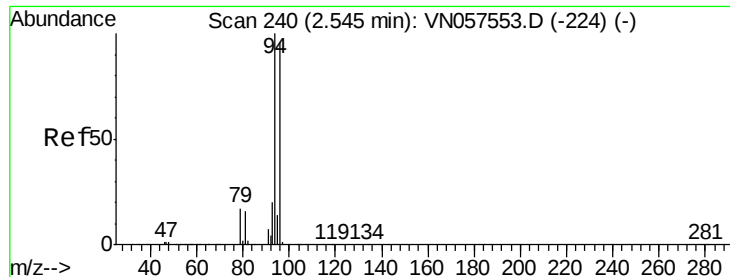
Tgt Ion: 62 Resp: 379037

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 52.781 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

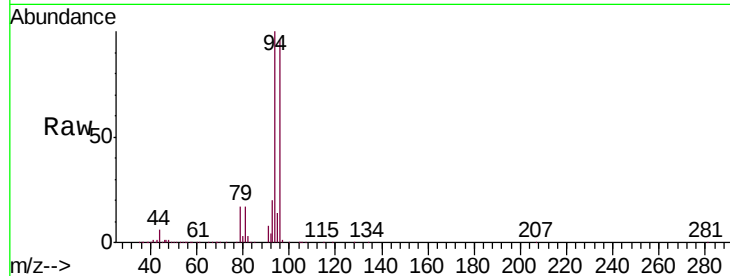
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 329072

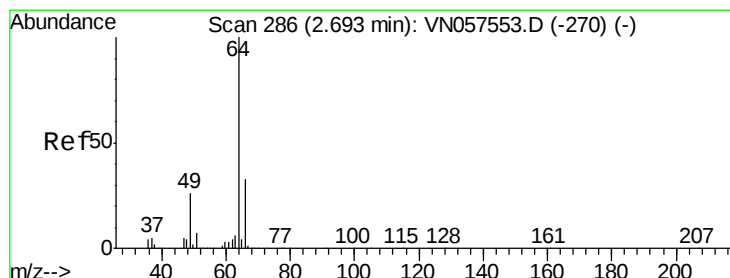
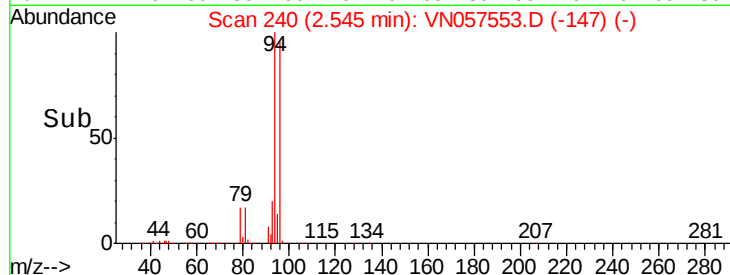
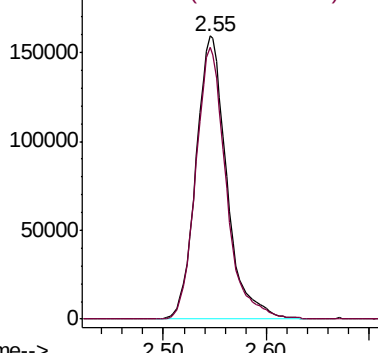
Ion Ratio Lower Upper

94 100

96 96.1 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VNC
Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 40.515 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057553.D

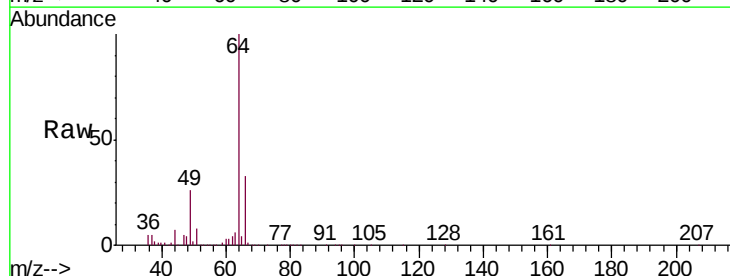
Acq: 29 Aug 2019 16:39

Tgt Ion: 64 Resp: 249388

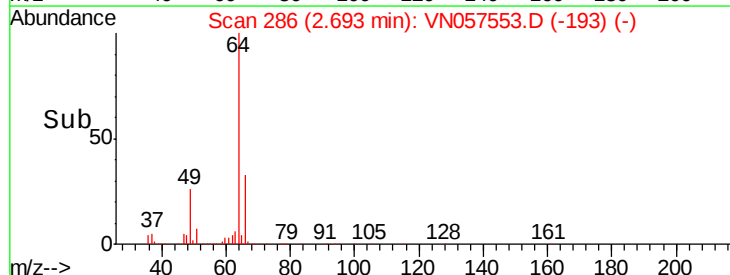
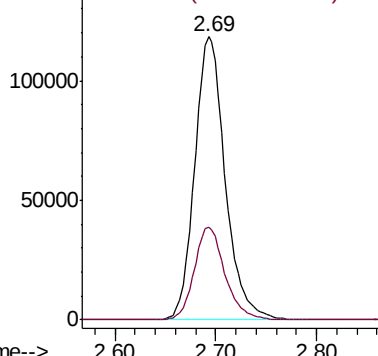
Ion Ratio Lower Upper

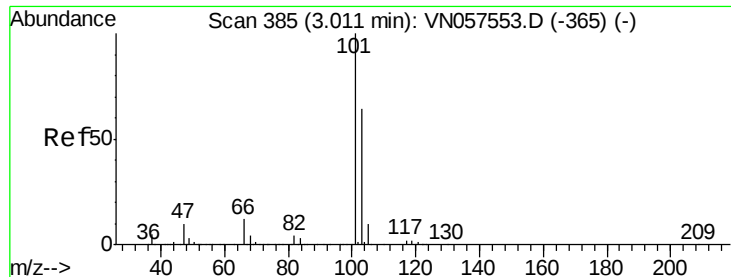
64 100

66 32.8 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNC
Ion 65.90 (65.60 to 66.60): VNC



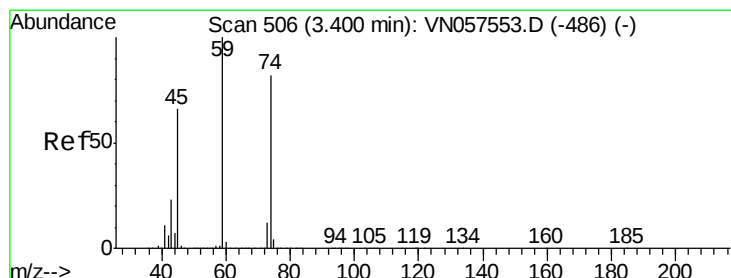
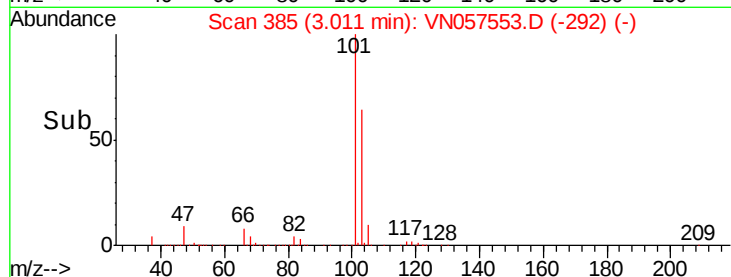
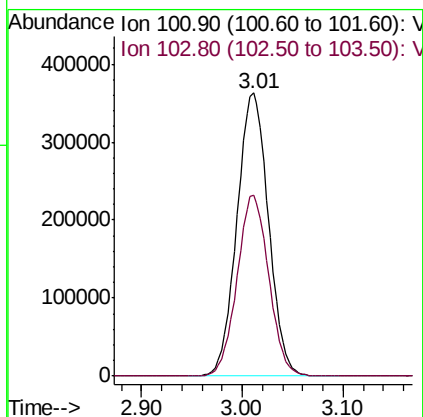
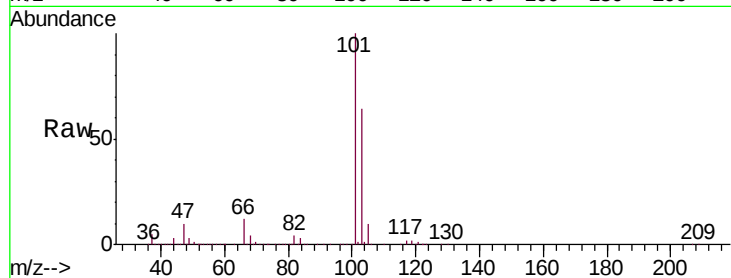


#7

Trichlorofluoromethane
 Concen: 50.860 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampled :

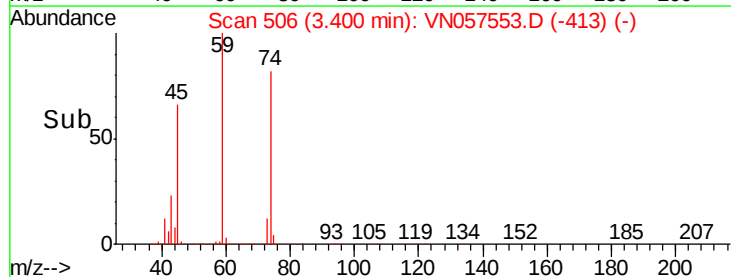
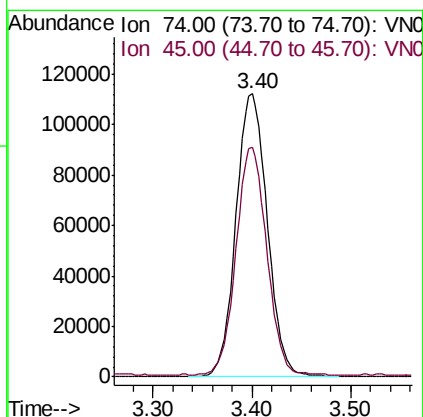
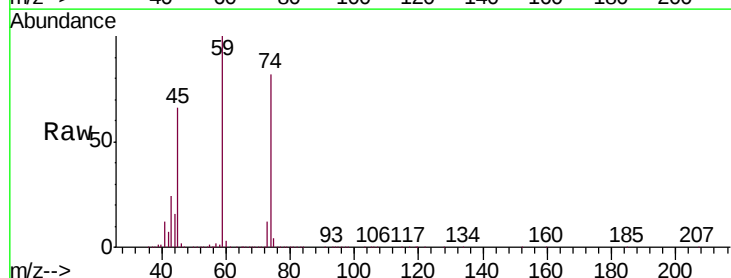
Tot Ion:101 Resp: 786626
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.6 78.8

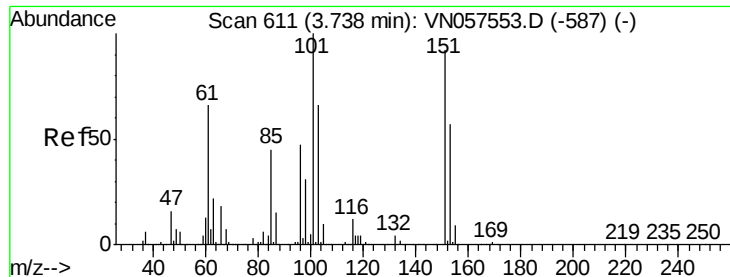


#8

Diethyl Ether
 Concen: 43.456 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion: 74 Resp: 247696
 Ion Ratio Lower Upper
 74 100
 45 79.1 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.093 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

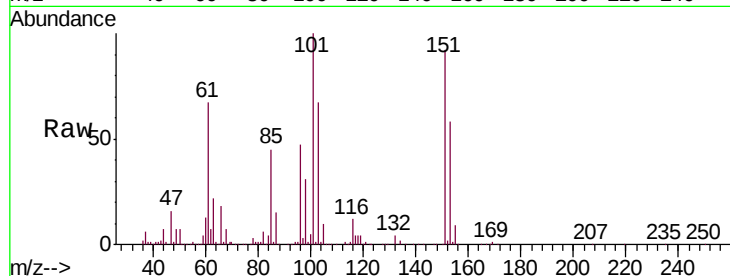
Tot Ion:101 Resp: 461284

Ion Ratio Lower Upper

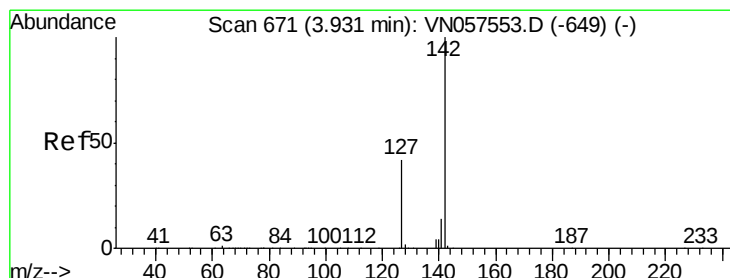
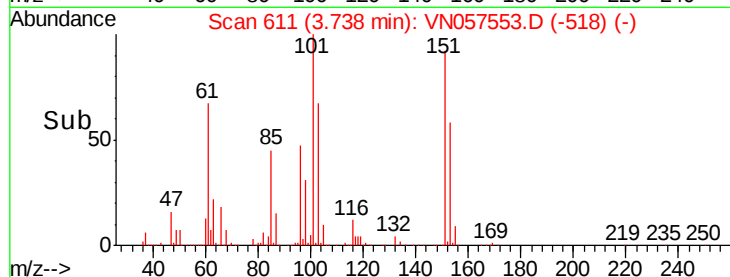
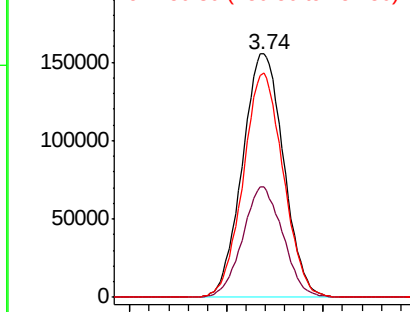
101 100

85 44.2 40.0 60.0

151 89.4 57.0 85.6#



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: 96.823 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

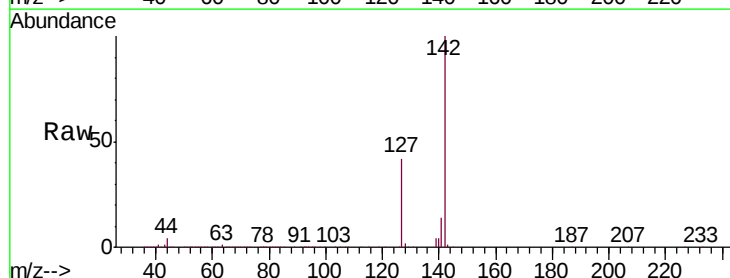
Tgt Ion:142 Resp: 785792

Ion Ratio Lower Upper

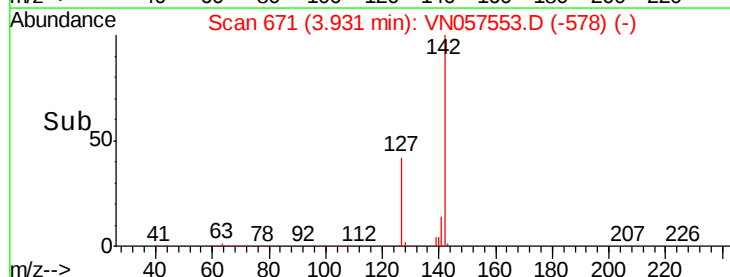
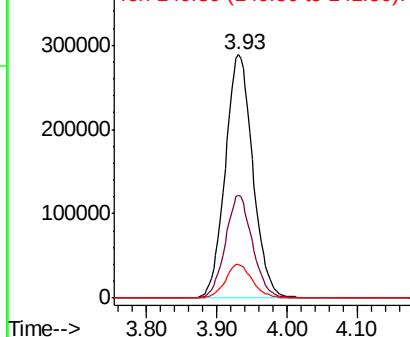
142 100

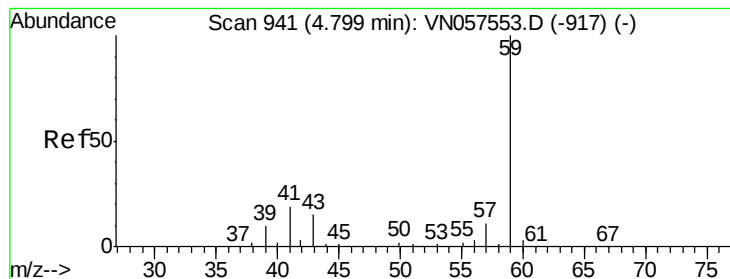
127 41.6 37.8 56.8

141 13.7 11.9 17.9



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





#11

Tert butyl alcohol

Concen: 180.046 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

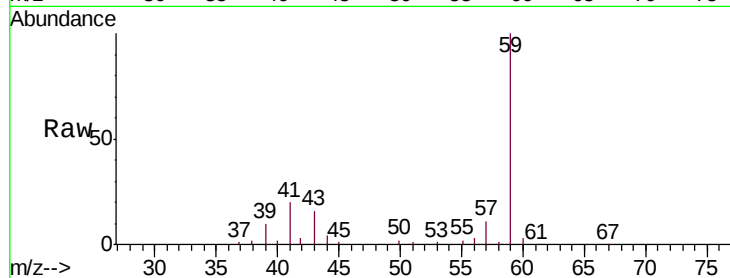
ClientSampled :

Tot Ion: 59 Resp: 178535

Ion Ratio Lower Upper

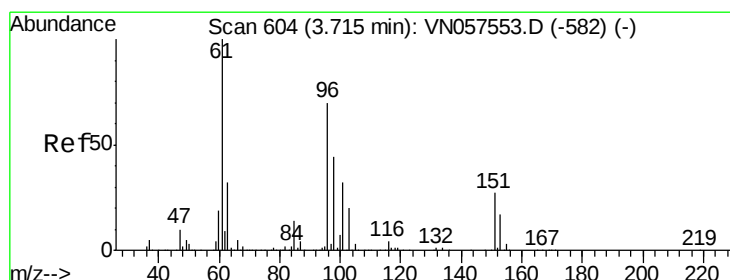
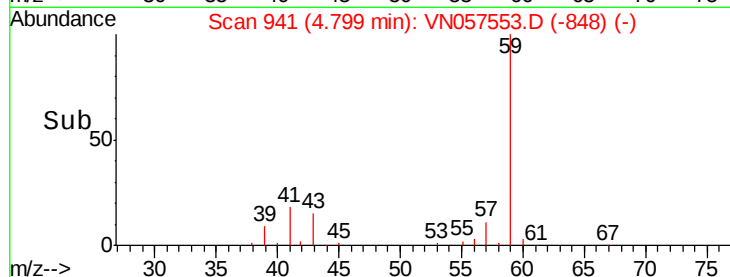
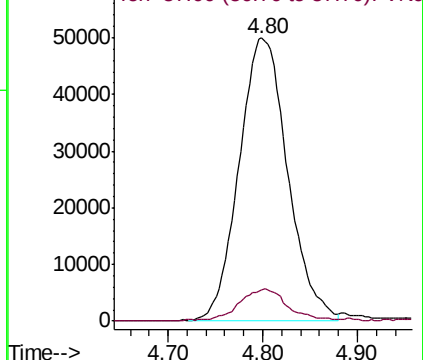
59 100

57 10.5 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 53.210 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

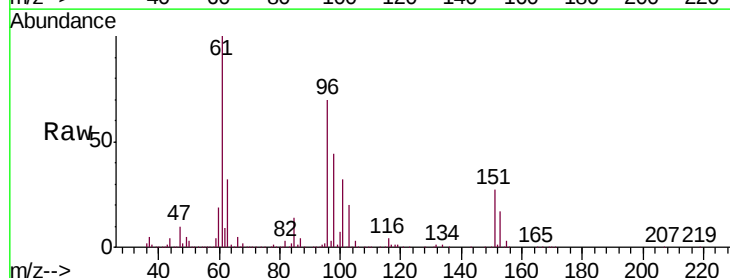
Tgt Ion: 96 Resp: 444508

Ion Ratio Lower Upper

96 100

61 142.5 155.3 232.9#

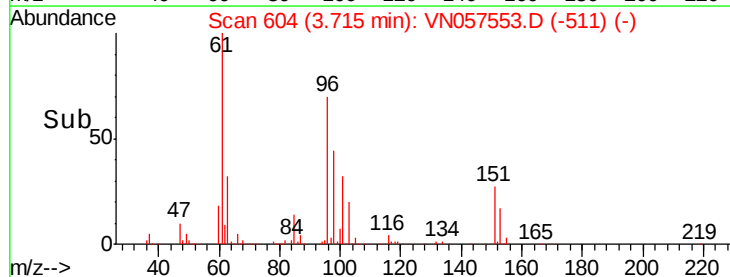
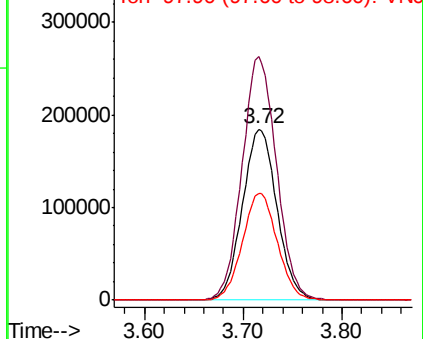
98 62.7 50.2 75.2

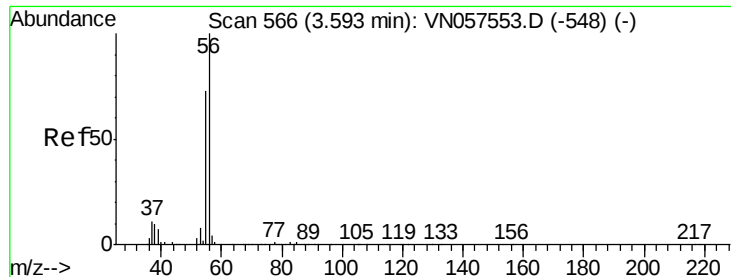


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 178.618 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

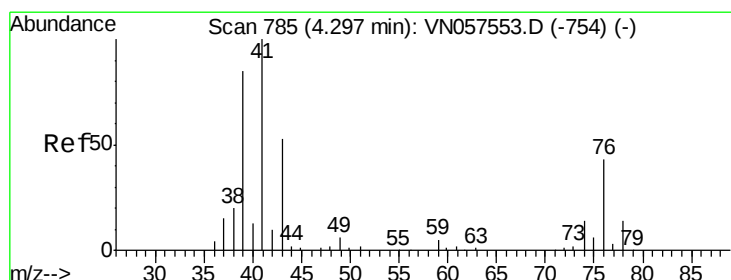
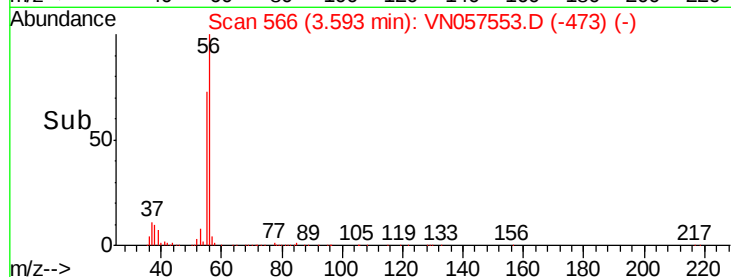
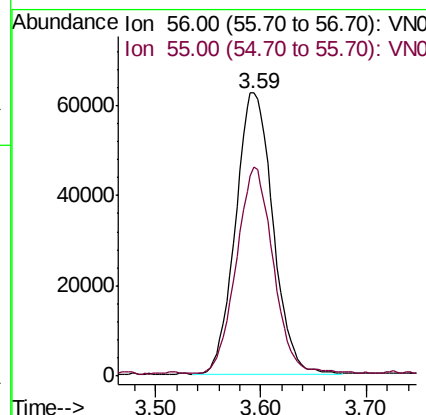
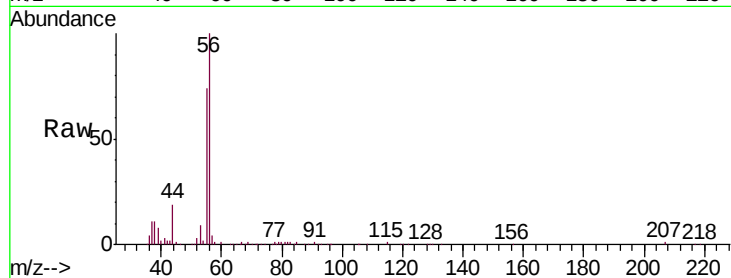
ClientSampleId :

Tot Ion: 56 Resp: 153693

Ion Ratio Lower Upper

56 100

55 71.9 59.0 88.4



#14

Allyl chloride

Concen: 29.301 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

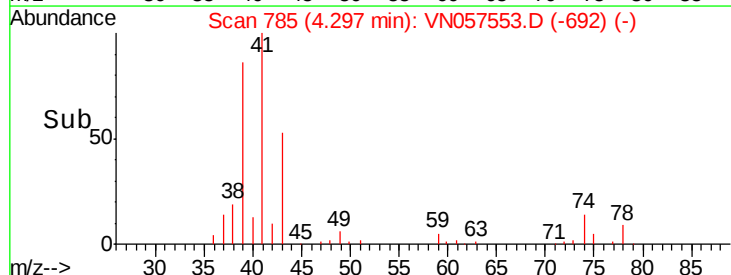
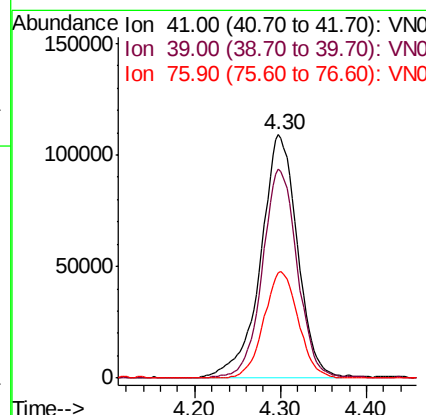
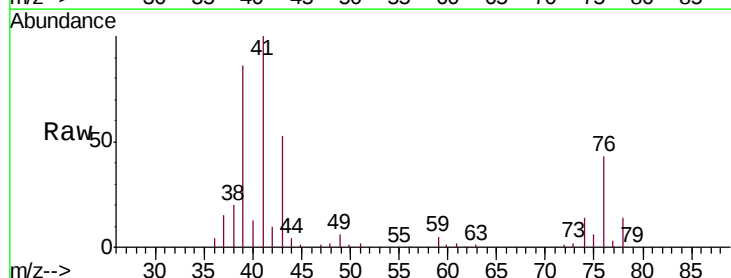
Tgt Ion: 41 Resp: 323970

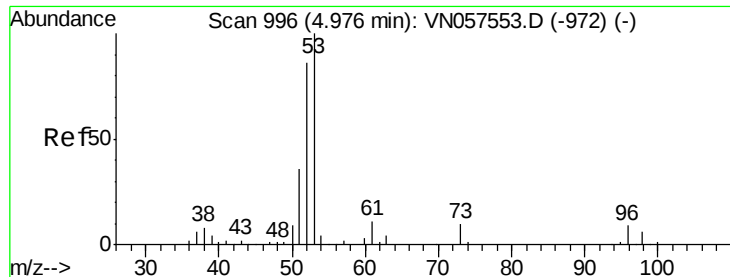
Ion Ratio Lower Upper

41 100

39 81.4 57.4 86.2

76 41.1 22.9 34.3#





#15

Acrylonitrile

Concen: 177.496 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

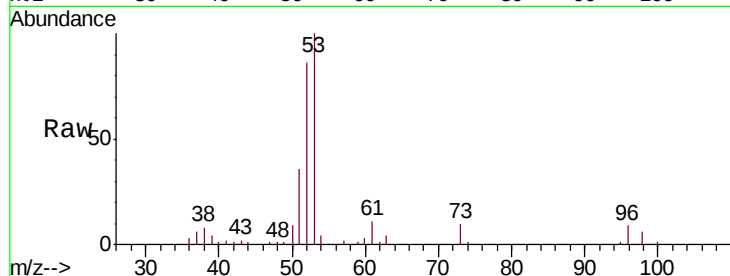
Tot Ion: 53 Resp: 474650

Ion Ratio Lower Upper

53 100

52 83.2 67.0 100.6

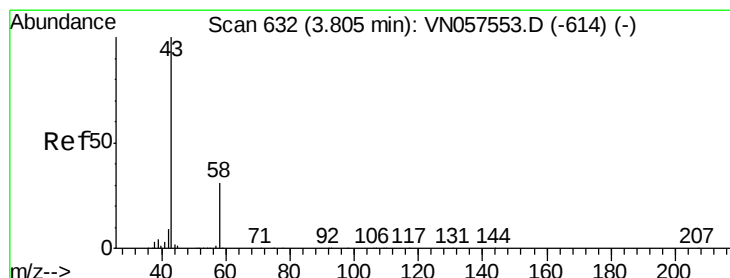
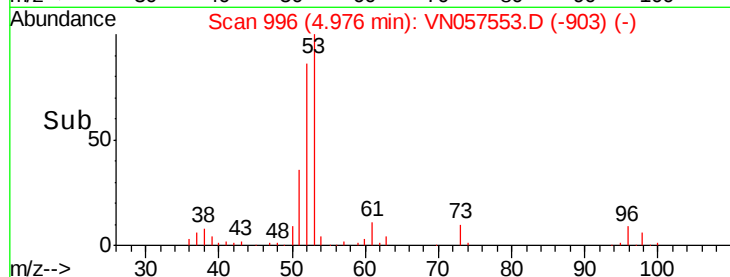
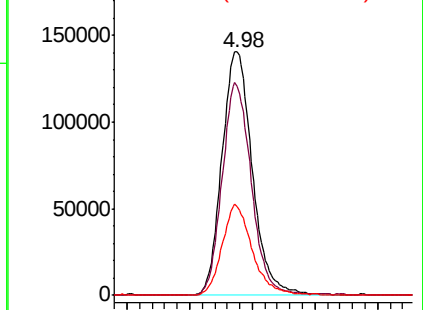
51 36.8 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 198.620 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057553.D

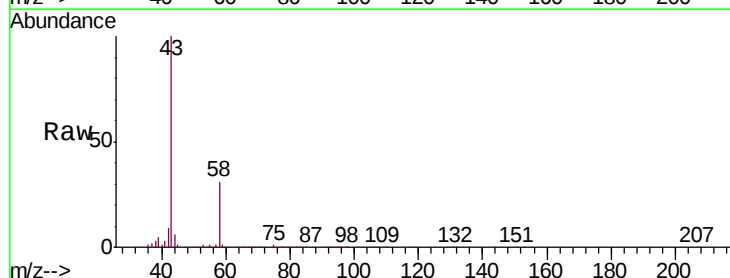
Acq: 29 Aug 2019 16:39

Tgt Ion: 43 Resp: 787484

Ion Ratio Lower Upper

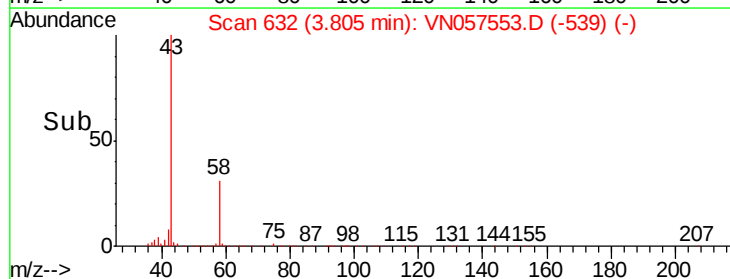
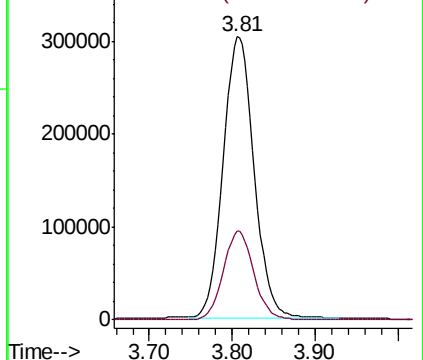
43 100

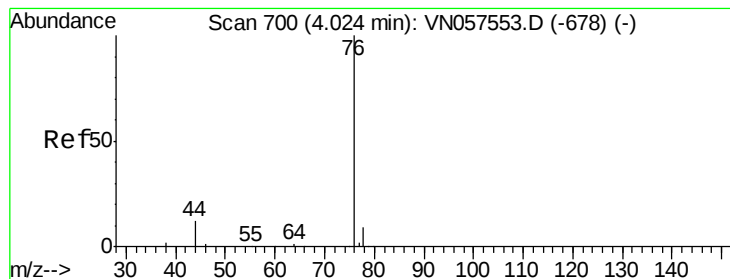
58 31.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 38.750 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

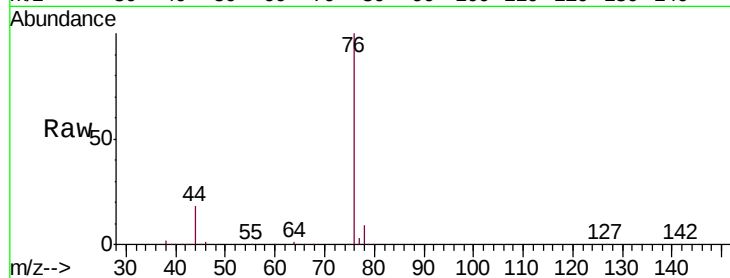
ClientSampleId :

Tot Ion: 76 Resp: 584811

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

250000

200000

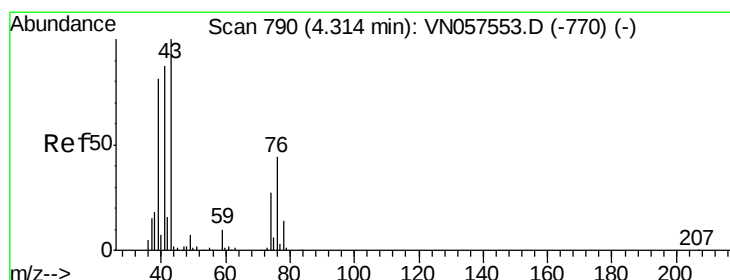
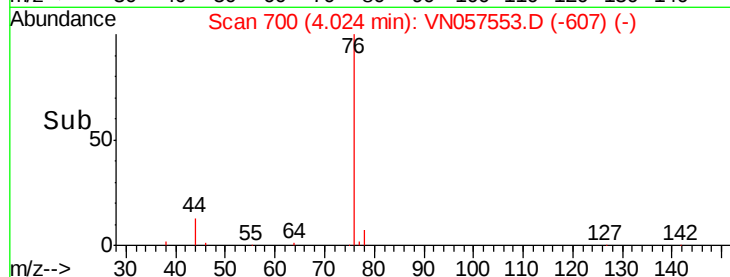
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 24.055 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057553.D

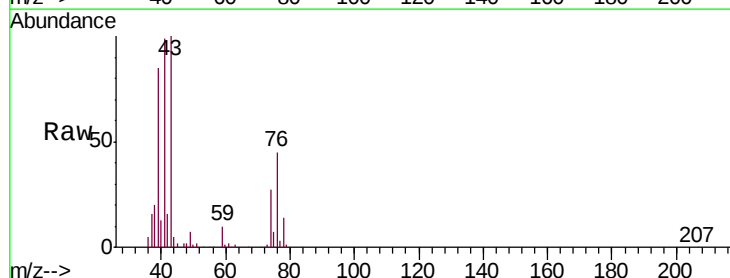
Acq: 29 Aug 2019 16:39

Tgt Ion: 43 Resp: 225470

Ion Ratio Lower Upper

43 100

74 26.4 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

80000

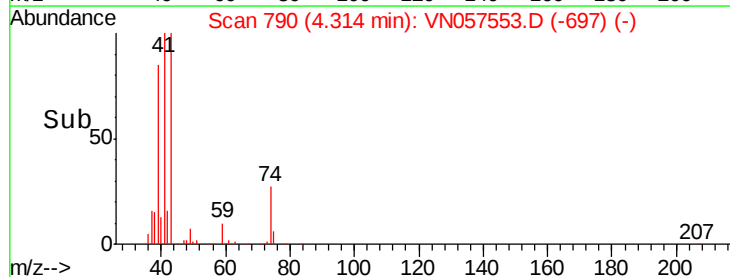
60000

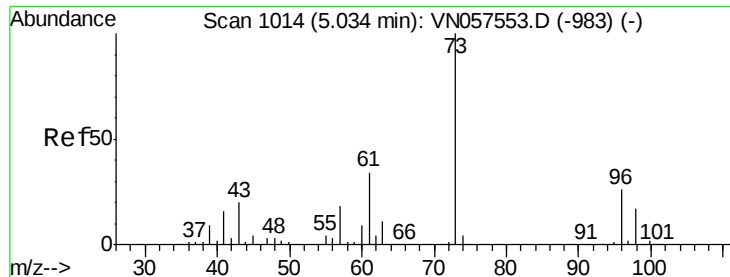
40000

20000

0

Time-->

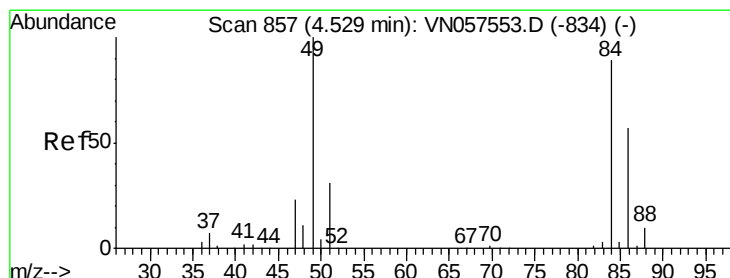
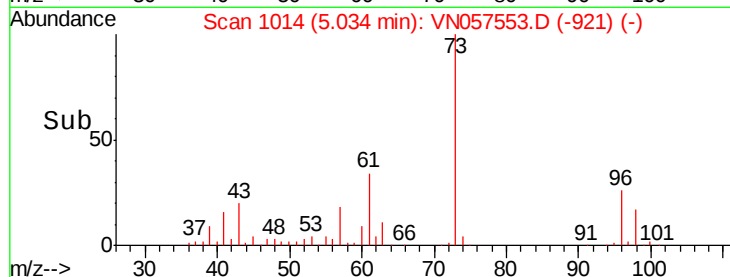
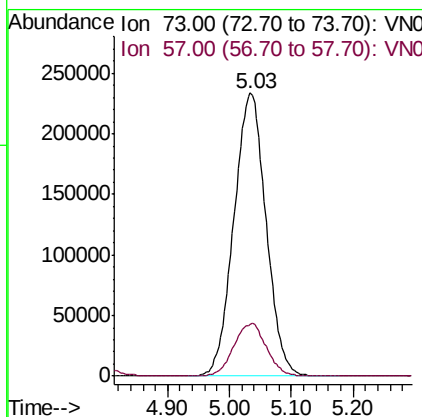
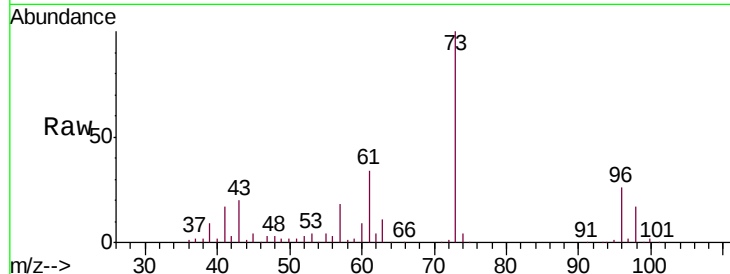




#19
Methvl tert-butvl Ether
Concen: 43.465 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

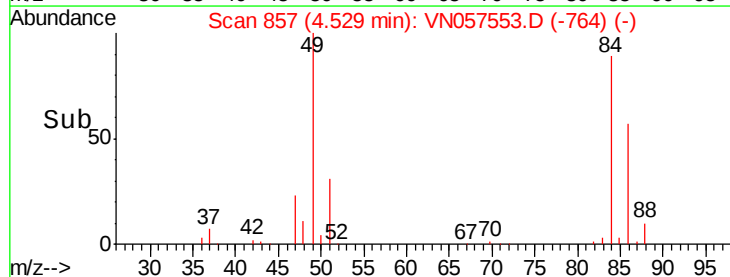
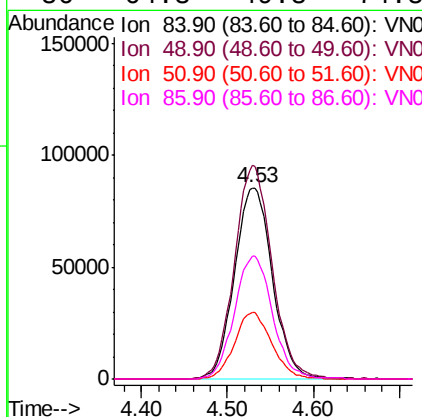
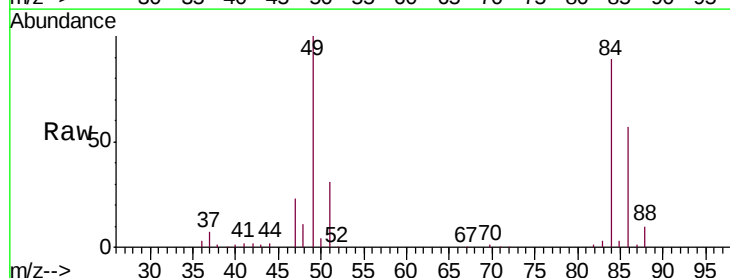
Instrument :
MSVOA_N
ClientSampled :

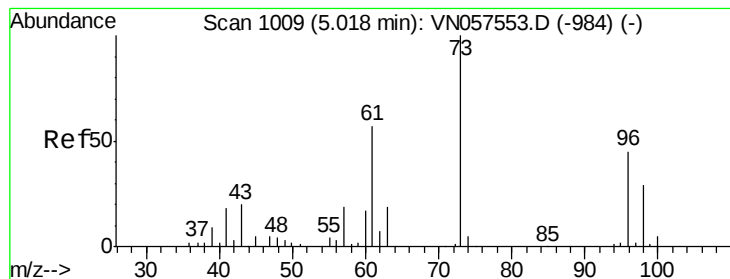
Tot Ion: 73 Resp: 843733
Ion Ratio Lower Upper
73 100
57 18.2 19.1 28.7#



#20
Methylene Chloride
Concen: 41.984 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 84 Resp: 261978
Ion Ratio Lower Upper
84 100
49 111.7 117.0 175.4#
51 34.8 35.5 53.3#
86 64.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.823 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :

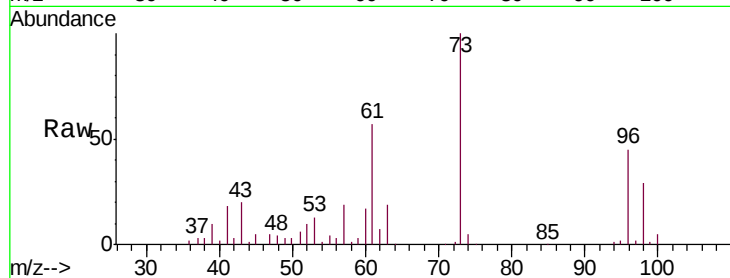
Tot Ion: 96 Resp: 270050

Ion Ratio Lower Upper

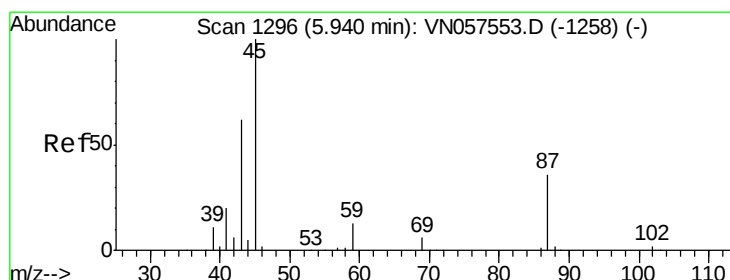
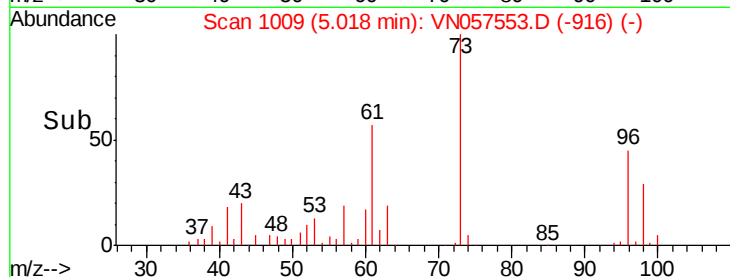
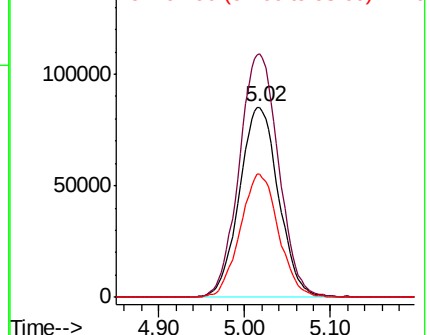
96 100

61 127.9 127.9 191.9#

98 64.7 50.6 76.0



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



#22

Diisopropyl ether

Concen: 33.307 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion: 45 Resp: 726529

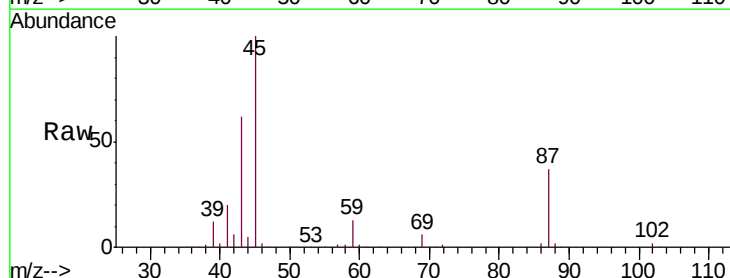
Ion Ratio Lower Upper

45 100

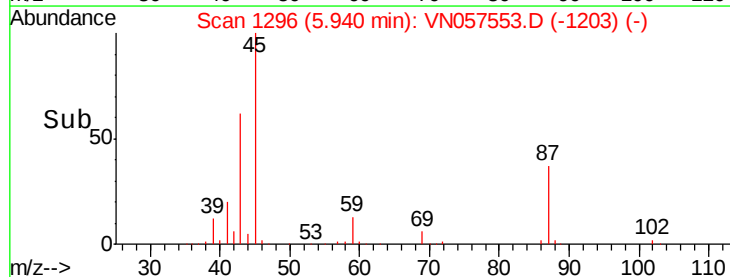
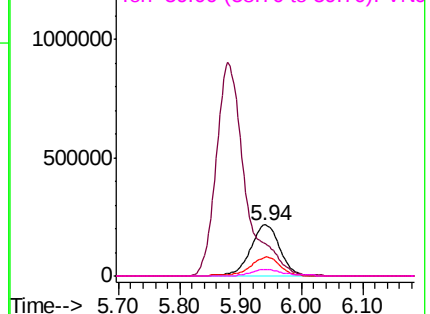
43 61.7 46.9 70.3

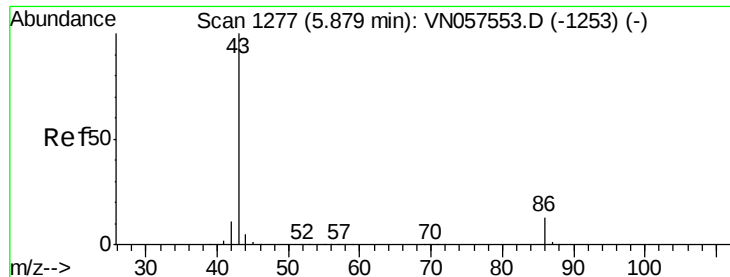
87 36.9 19.3 28.9#

59 13.0 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 173.627 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

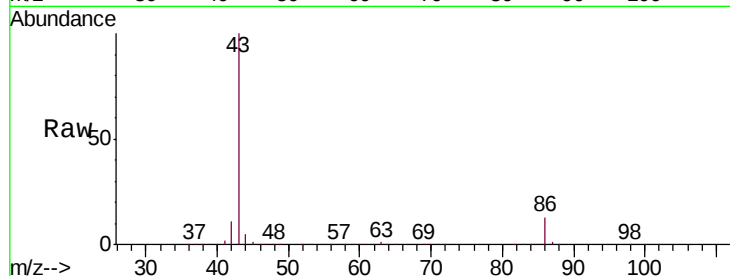
ClientSampled :

Tot Ion: 43 Resp: 2973378

Ion Ratio Lower Upper

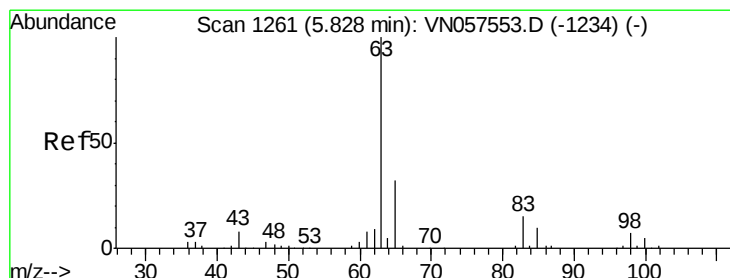
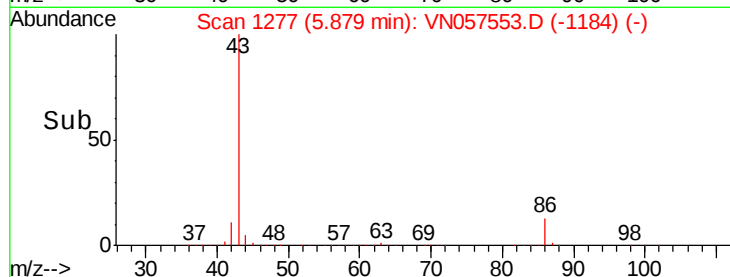
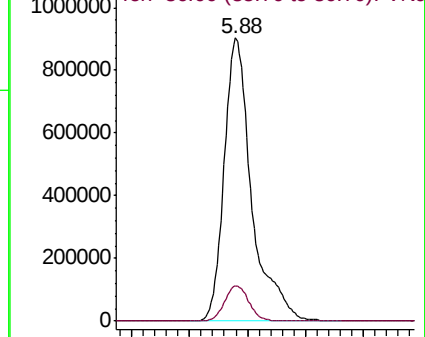
43 100

86 12.5 6.7 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 39.607 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

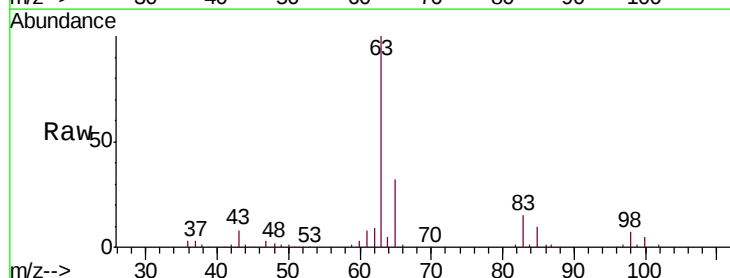
Tgt Ion: 63 Resp: 471083

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.6

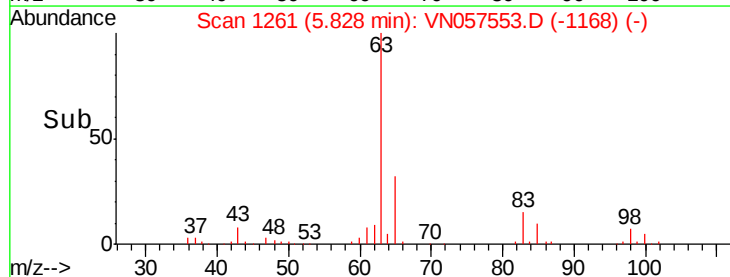
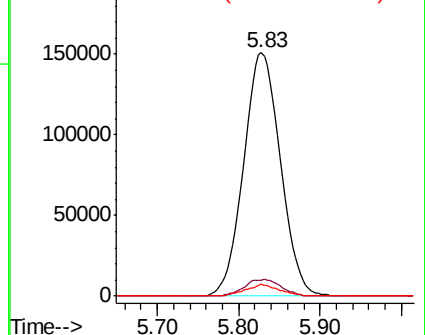
100 4.8 2.1 6.3

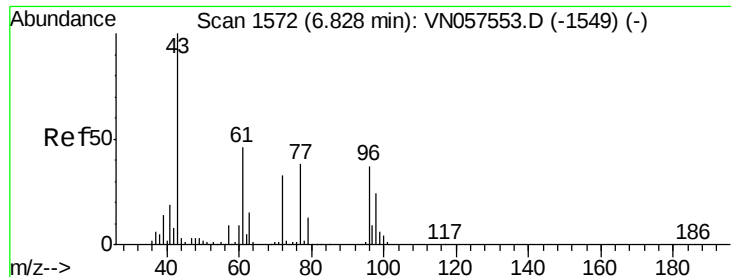


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 157.099 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

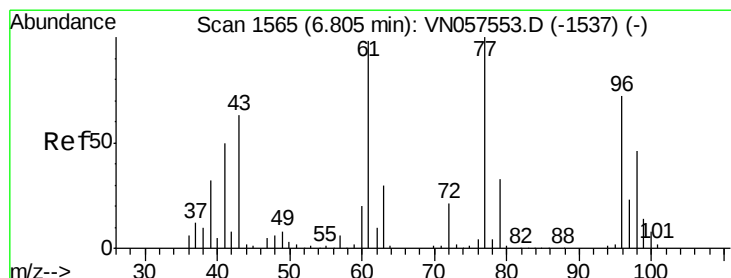
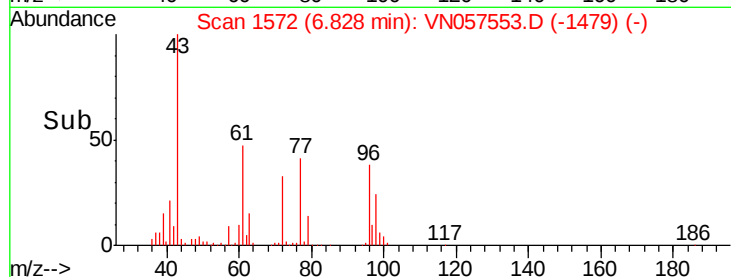
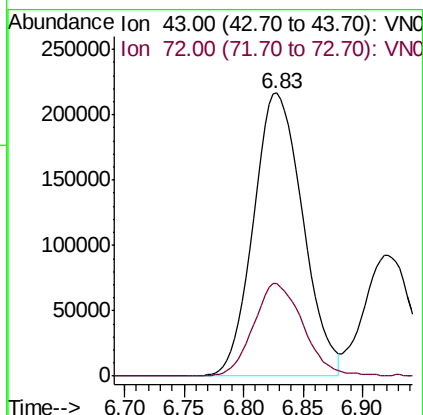
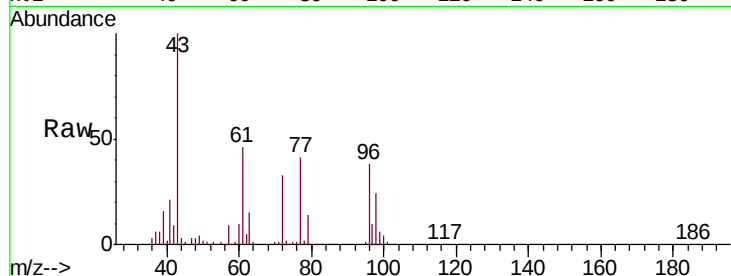
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 619721

Ion Ratio Lower Upper

43 100

72 32.7 17.8 26.8#



#26

2,2-Dichloropropane

Concen: 46.226 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057553.D

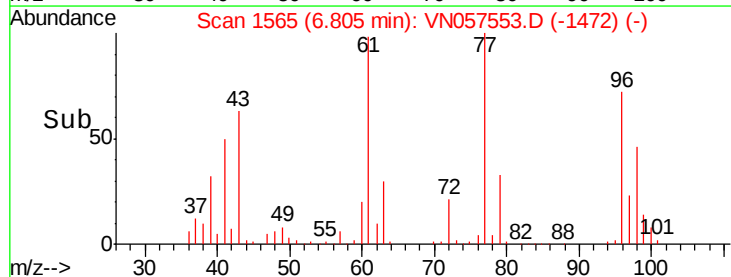
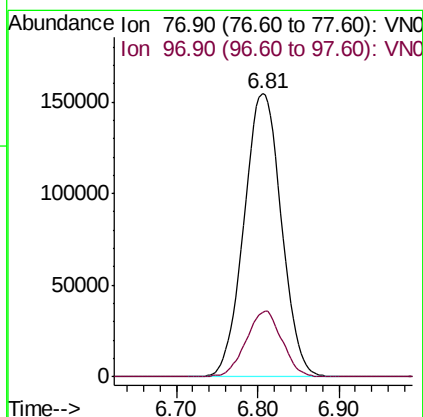
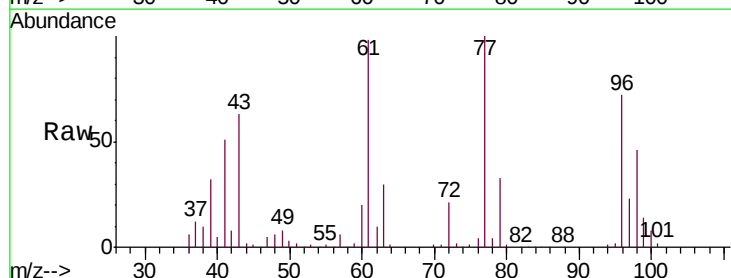
Acq: 29 Aug 2019 16:39

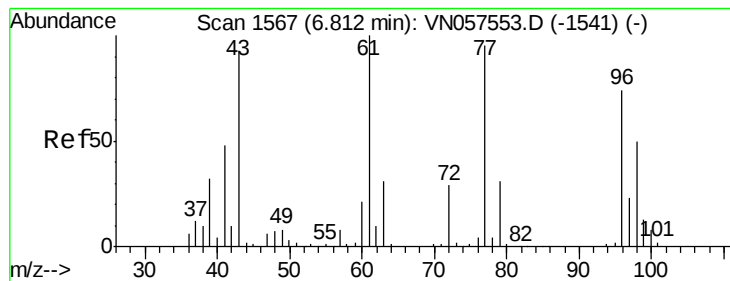
Tgt Ion: 77 Resp: 490099

Ion Ratio Lower Upper

77 100

97 22.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 48.652 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :

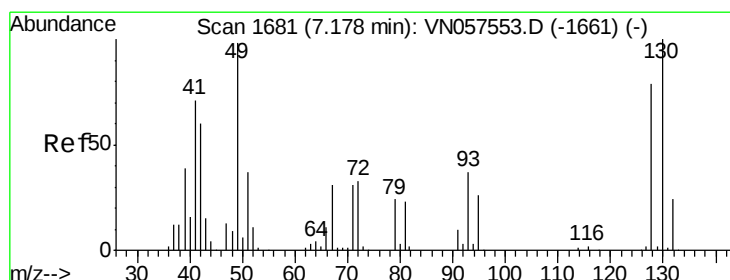
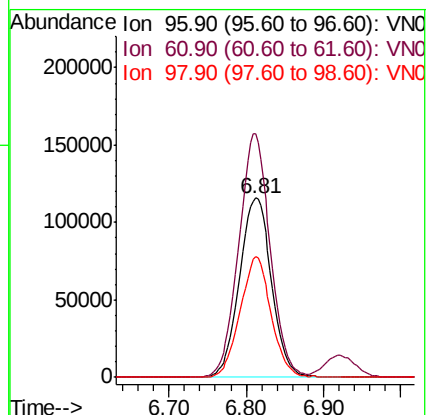
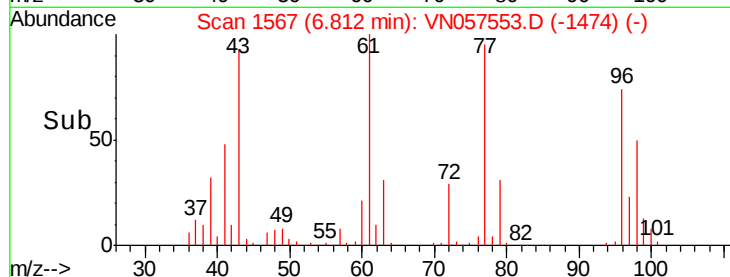
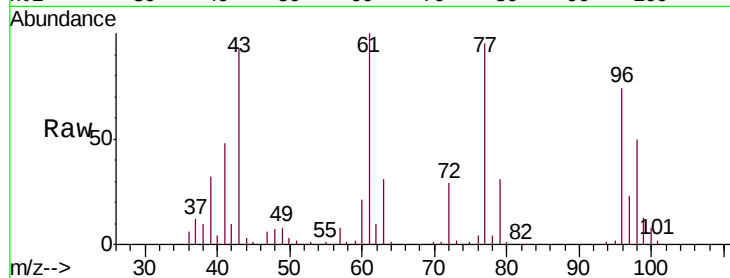
Tot Ion: 96 Resp: 334081

Ion Ratio Lower Upper

96 100

61 132.7 0.0 334.8

98 64.8 0.0 127.4



#28

Bromochloromethane

Concen: 33.259 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

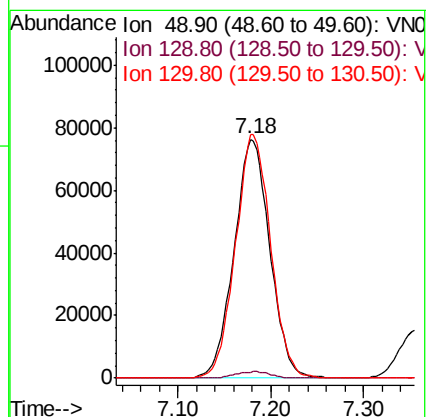
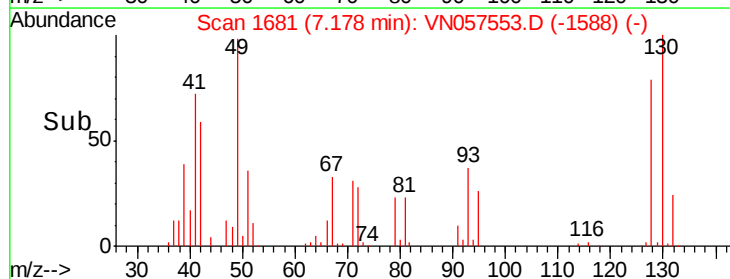
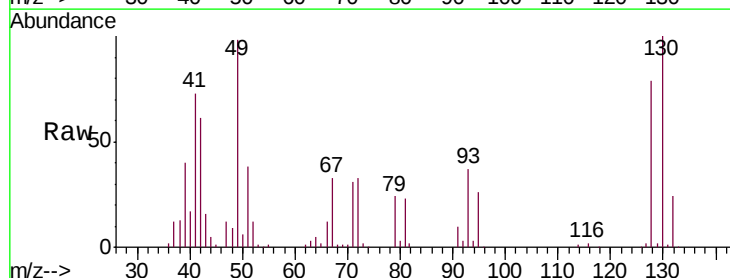
Tgt Ion: 49 Resp: 204122

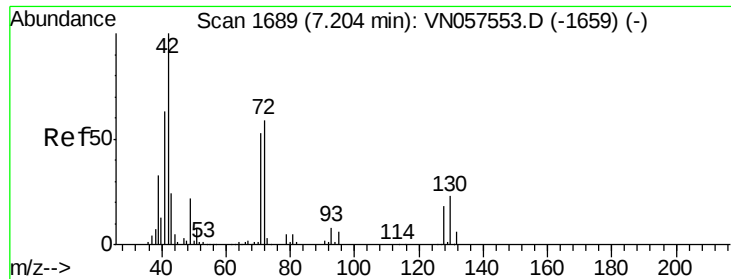
Ion Ratio Lower Upper

49 100

129 2.6 0.0 3.6

130 100.0 48.6 72.8#

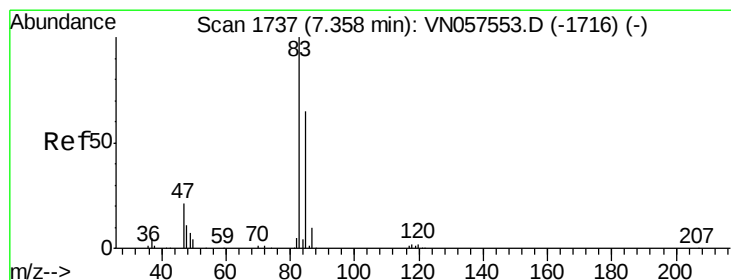
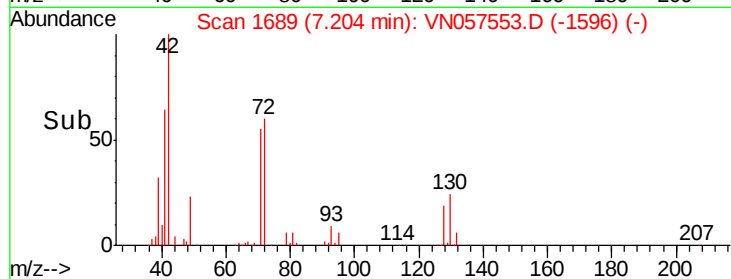
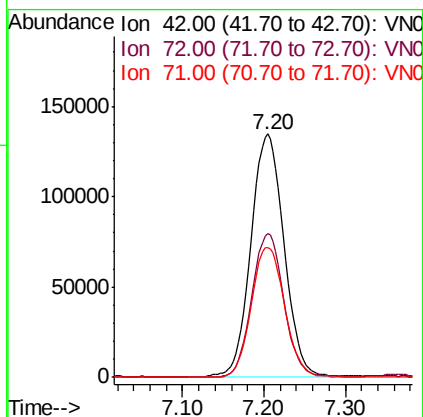
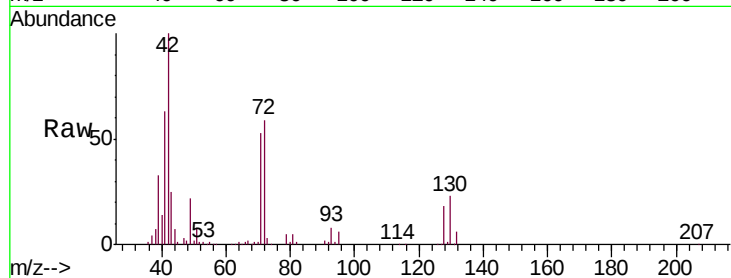




#29
Tetrahydrofuran
Concen: 146.557 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

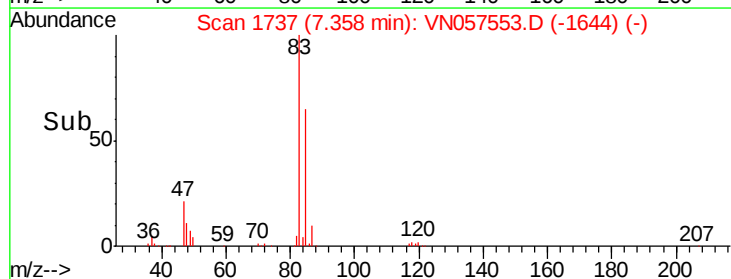
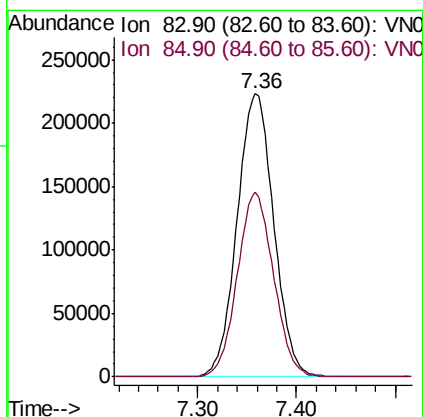
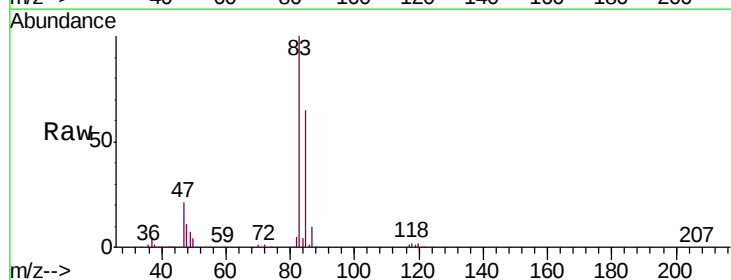
Instrument :
MSVOA_N
ClientSampleId :

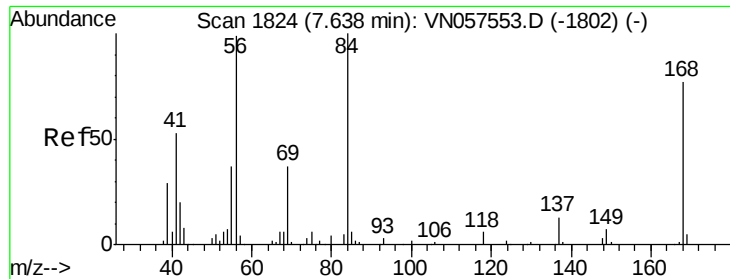
Tot Ion: 42 Resp: 377489
Ion Ratio Lower Upper
42 100
72 57.5 30.1 45.1#
71 53.8 28.8 43.2#



#30
Chloroform
Concen: 45.119 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 83 Resp: 575208
Ion Ratio Lower Upper
83 100
85 65.2 51.9 77.9





#31

Cyclohexane

Concen: 37.122 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

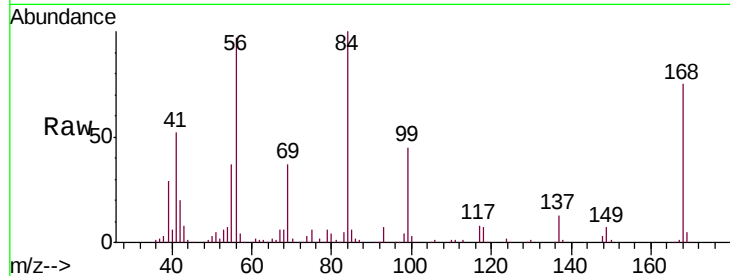
Tot Ion: 56 Resp: 417302

Ion Ratio Lower Upper

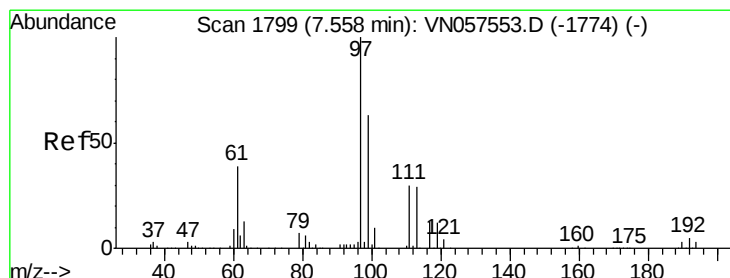
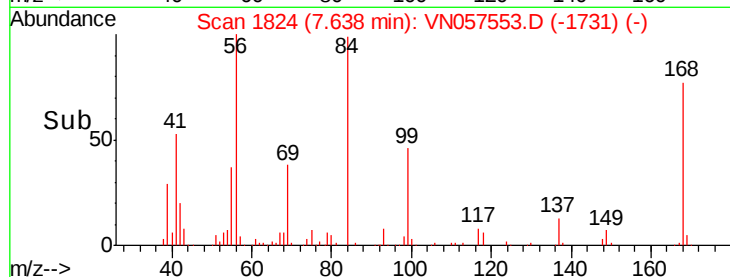
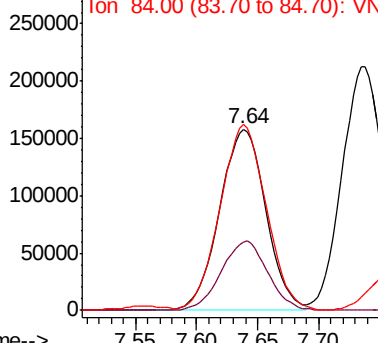
56 100

69 37.7 25.0 37.6#

84 101.2 62.5 93.7#



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: 50.832 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

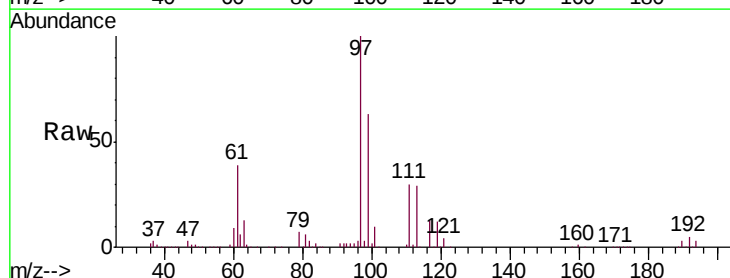
Tgt Ion: 97 Resp: 542194

Ion Ratio Lower Upper

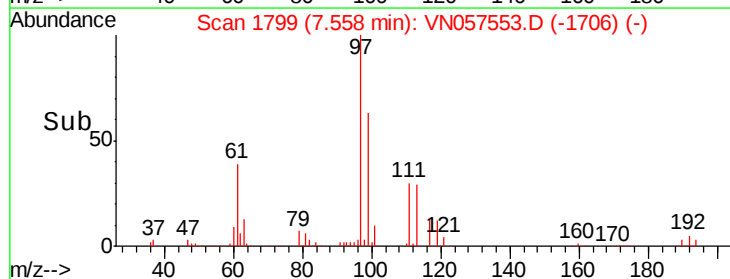
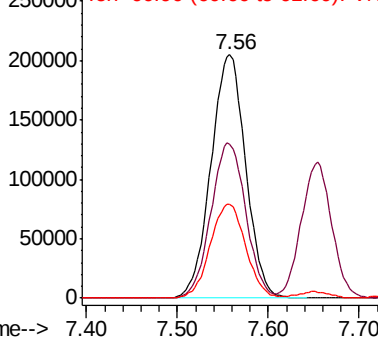
97 100

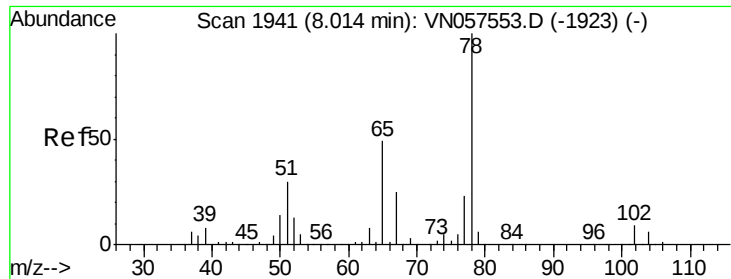
99 64.3 51.0 76.6

61 39.6 39.8 59.6#



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: 45.717 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

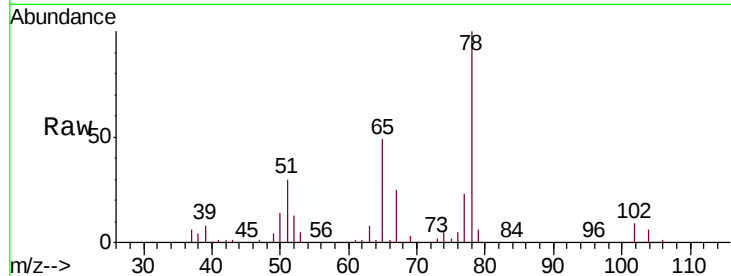
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 375212

Ion Ratio Lower Upper

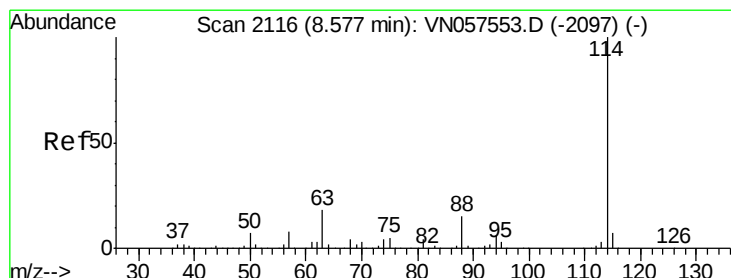
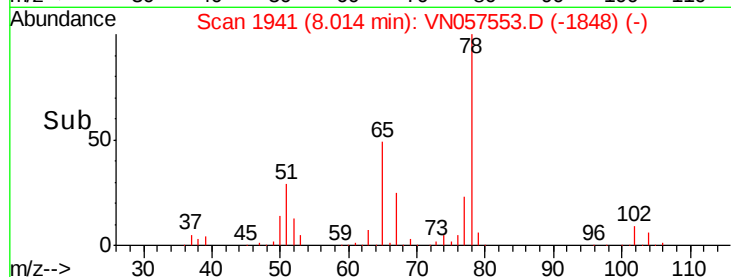
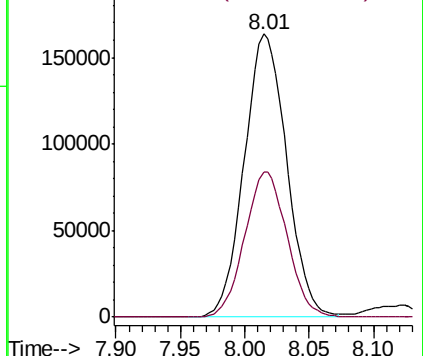
65 100

67 51.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

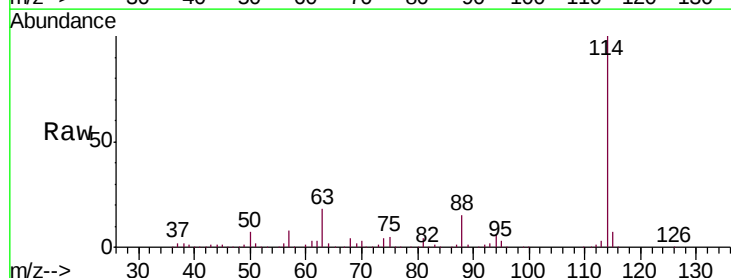
Tgt Ion: 114 Resp: 736678

Ion Ratio Lower Upper

114 100

63 17.9 0.0 50.2

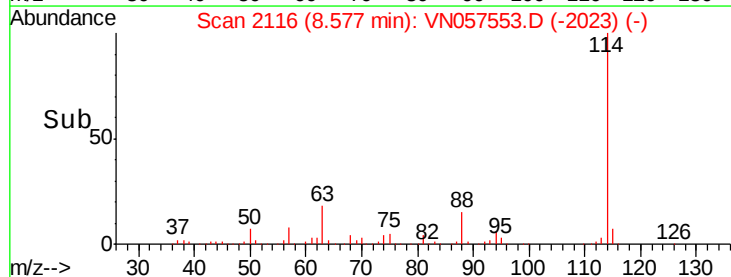
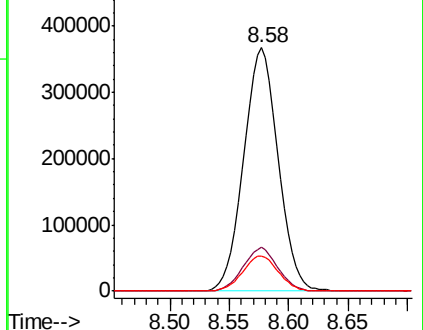
88 14.6 0.0 34.6

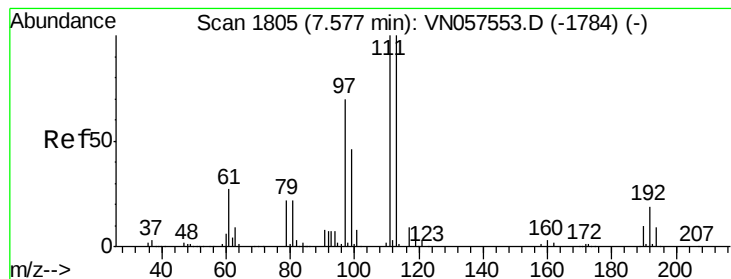


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 60.833 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :

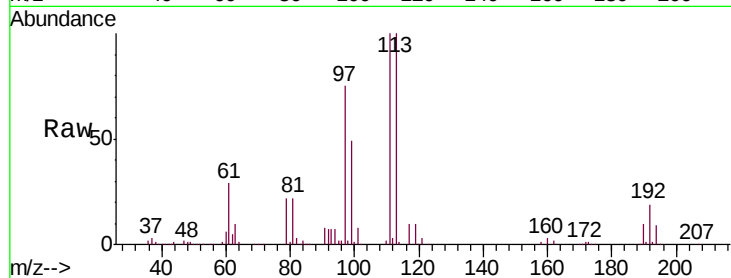
Tot Ion:113 Resp: 321981

Ion Ratio Lower Upper

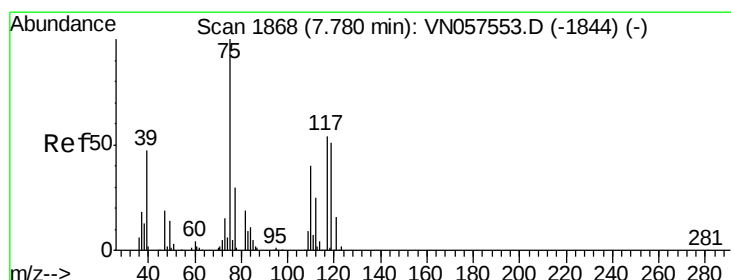
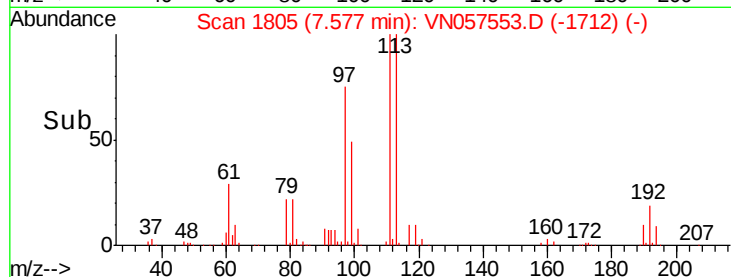
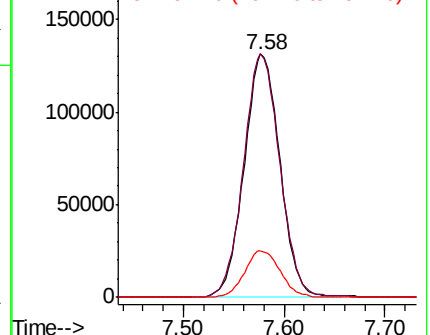
113 100

111 101.7 83.8 125.6

192 19.1 13.5 20.3



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



#36

1,1-Dichloropropene

Concen: 52.266 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

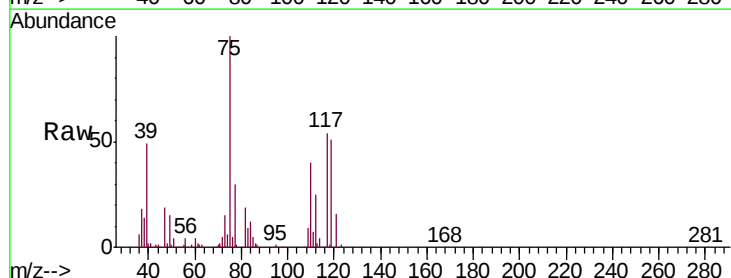
Tgt Ion: 75 Resp: 403528

Ion Ratio Lower Upper

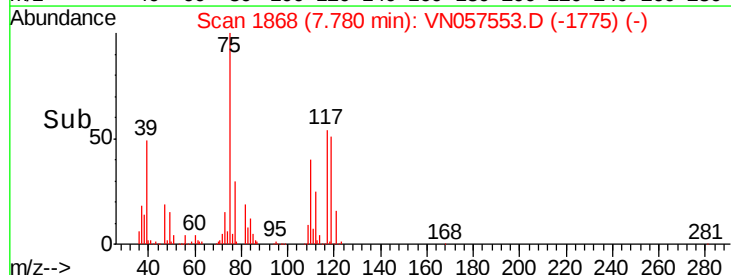
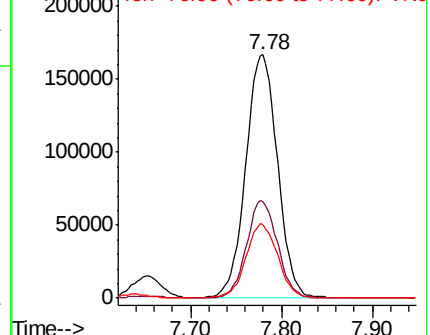
75 100

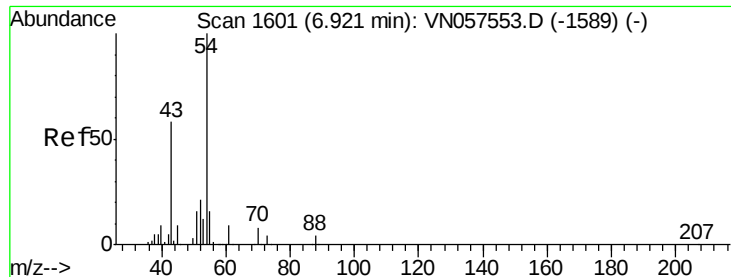
110 39.2 16.1 48.3

77 30.9 24.8 37.2



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

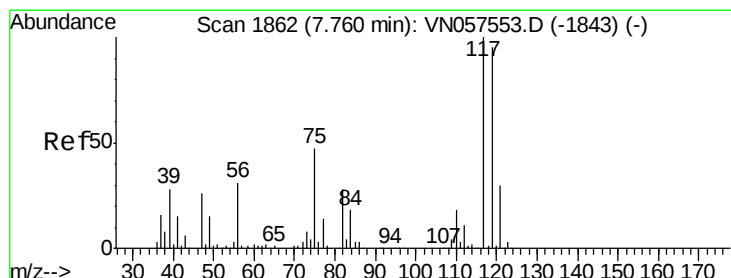
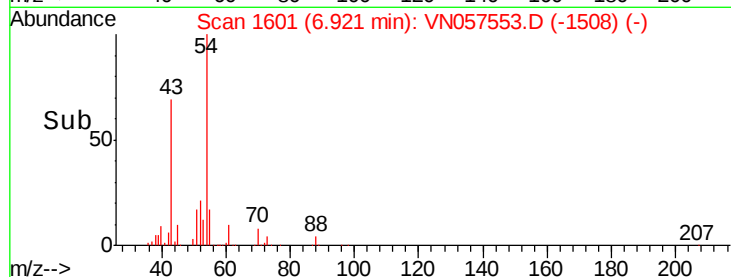
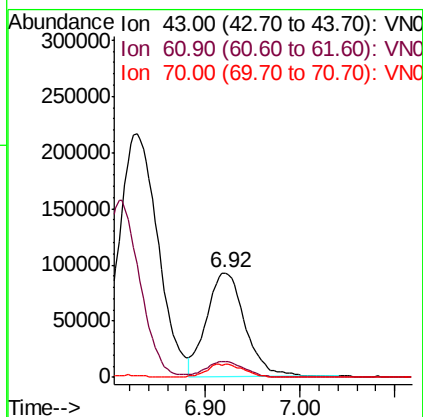
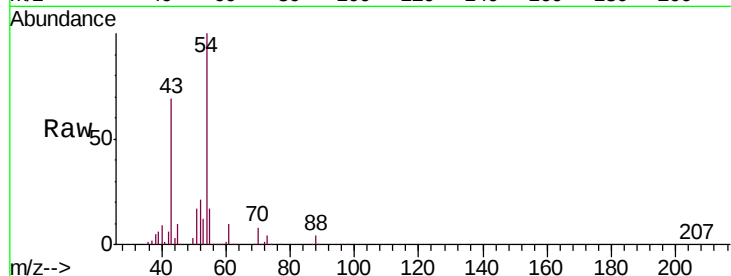




#37
Ethyl Acetate
Concen: 36.470 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

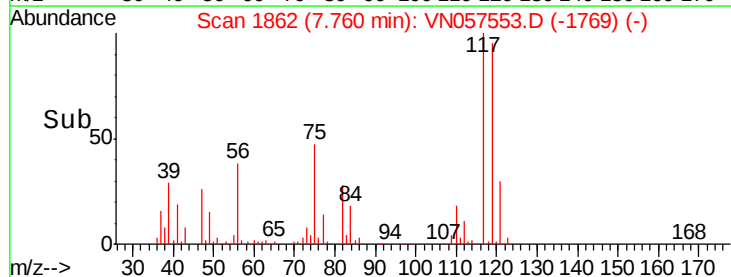
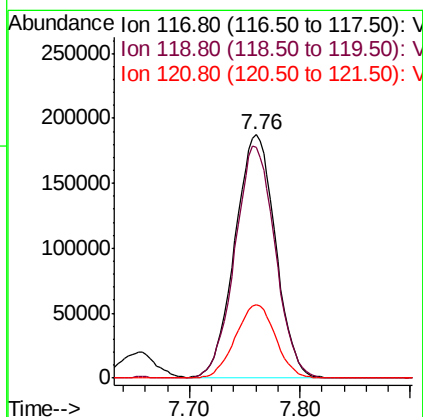
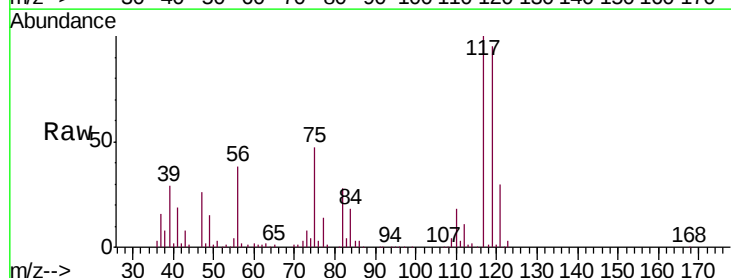
Instrument :
MSVOA_N
ClientSampled :

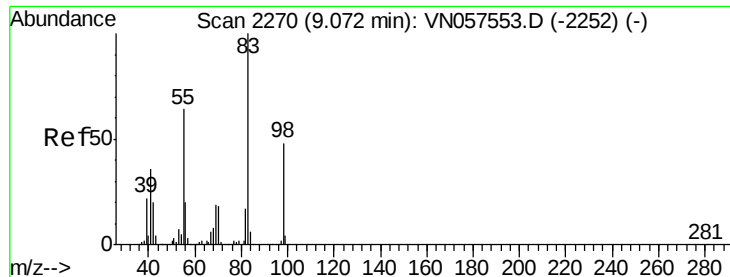
Tot Ion: 43 Resp: 260201
Ion Ratio Lower Upper
43 100
61 15.7 9.9 14.9#
70 12.2 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 60.288 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 117 Resp: 476888
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.4
121 30.2 23.8 35.6

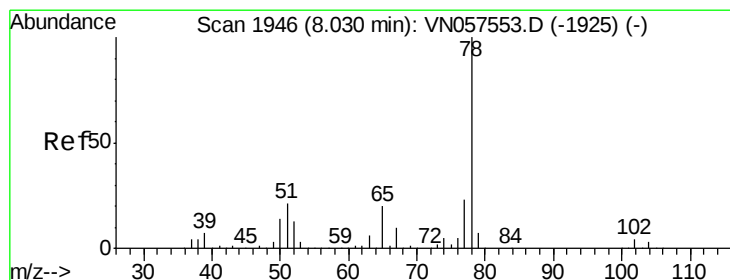
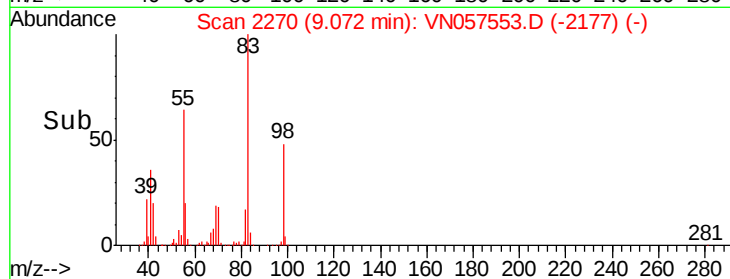
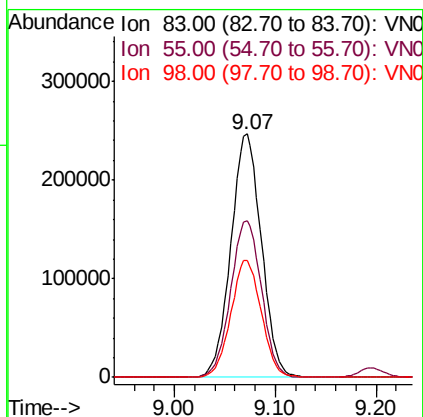
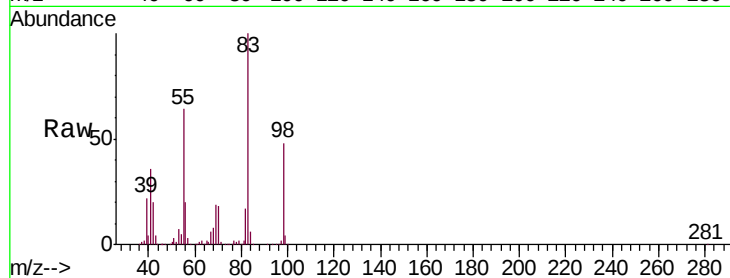




#39
Methvlcvclohexane
Concen: 56.066 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

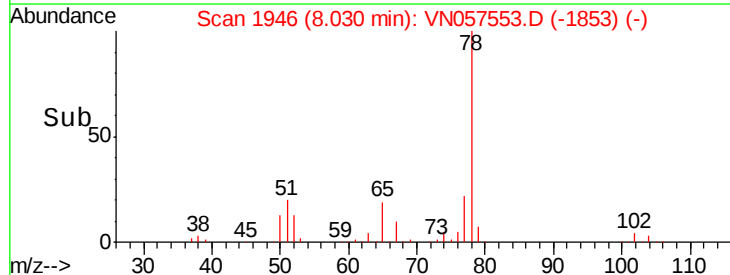
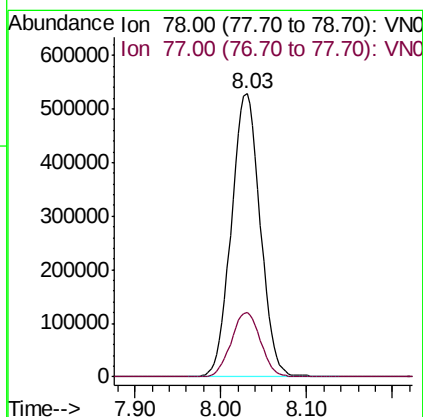
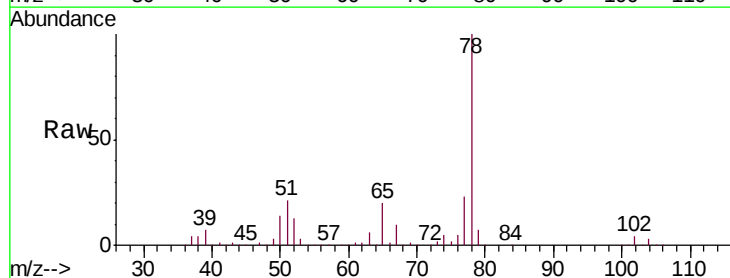
Instrument :
MSVOA_N
ClientSampleId :

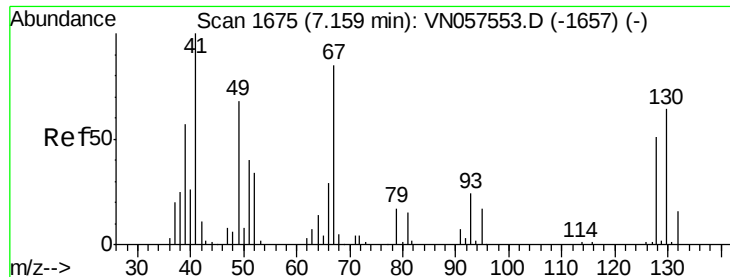
Tot Ion: 83 Resp: 519204
Ion Ratio Lower Upper
83 100
55 64.4 68.6 102.8#
98 48.0 36.6 54.8



#40
Benzene
Concen: 52.988 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 78 Resp: 1230555
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7

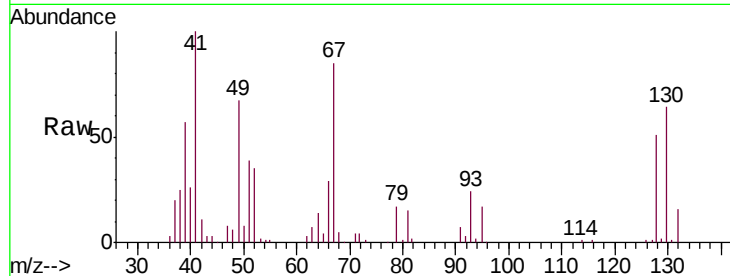




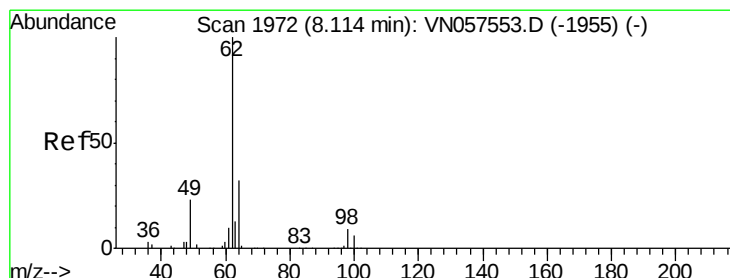
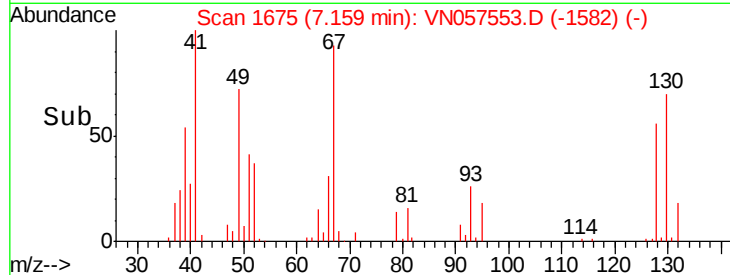
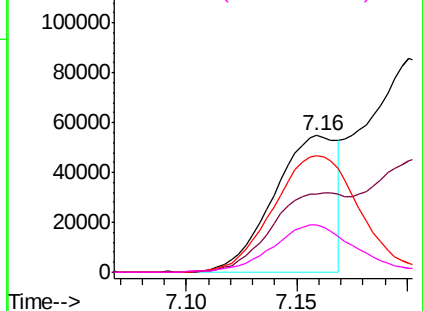
#41
Methacrylonitrile
Concen: 32.275 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 108926
Ion Ratio Lower Upper
41 100
39 70.3 53.6 80.4
67 116.2 65.4 98.2#
52 45.6 29.8 44.6#

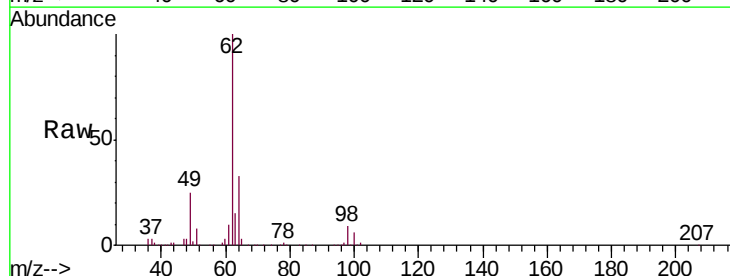


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

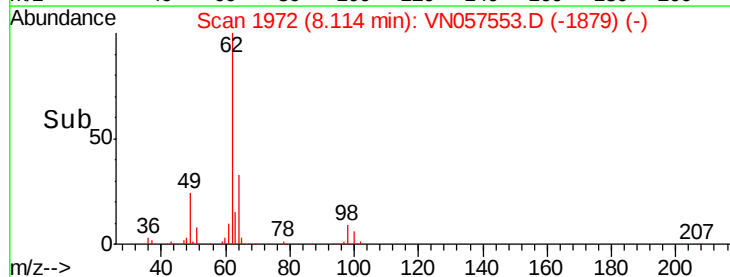
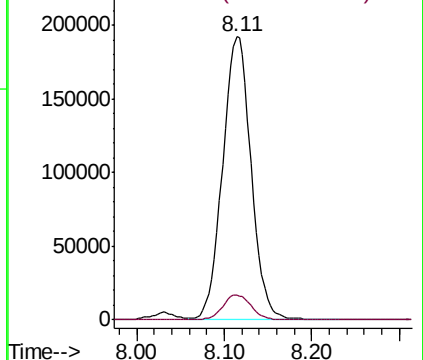


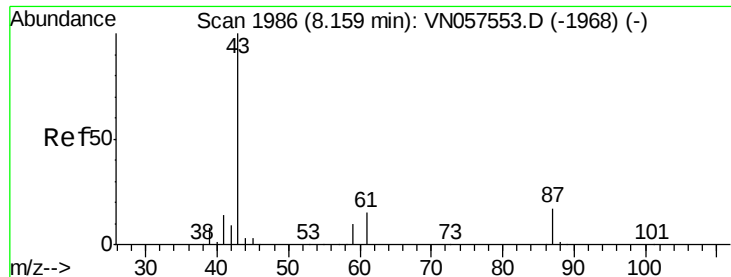
#42
1,2-Dichloroethane
Concen: 49.089 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 62 Resp: 433003
Ion Ratio Lower Upper
62 100
98 8.9 0.0 15.4



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





#43

Isopropyl Acetate

Concen: 37.534 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

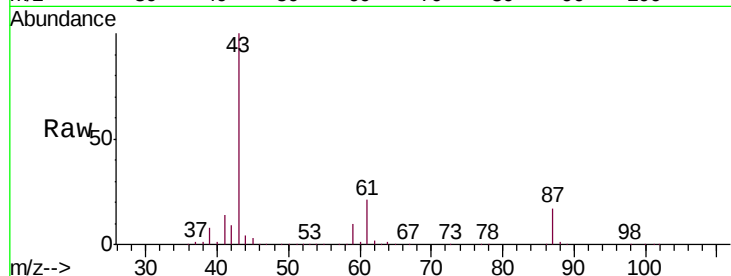
Tot Ion: 43 Resp: 493933

Ion Ratio Lower Upper

43 100

61 21.1 14.5 21.7

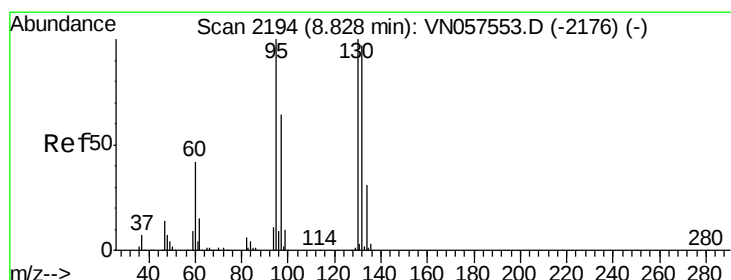
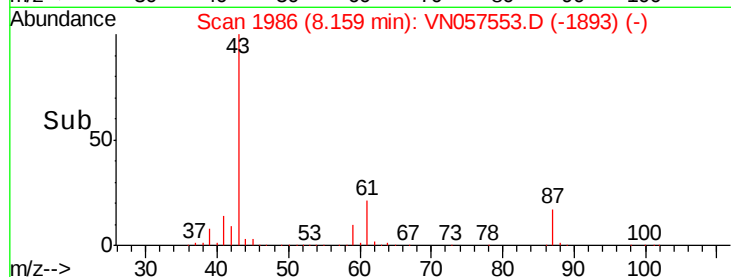
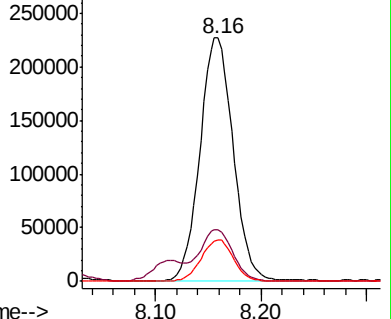
87 16.7 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057553.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057553.D (-1968) (-)



#44

Trichloroethene

Concen: 63.290 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057553.D

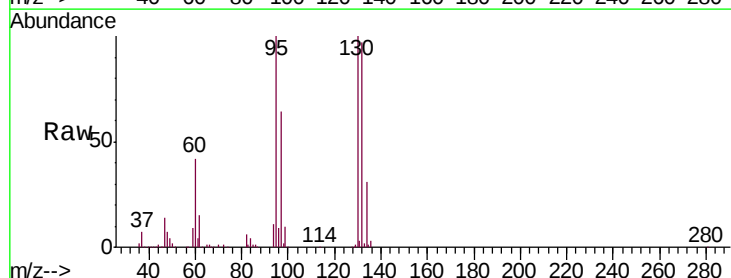
Acq: 29 Aug 2019 16:39

Tgt Ion:130 Resp: 340676

Ion Ratio Lower Upper

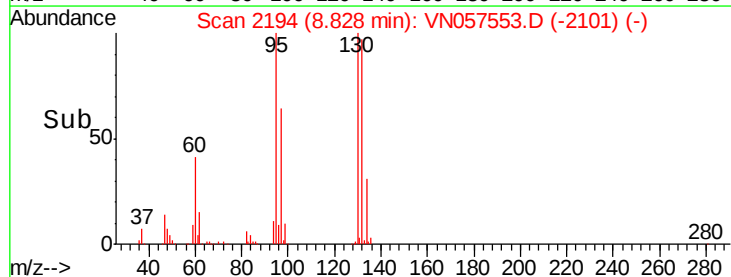
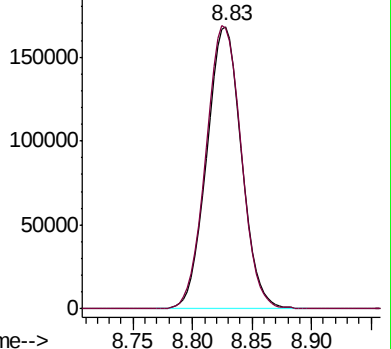
130 100

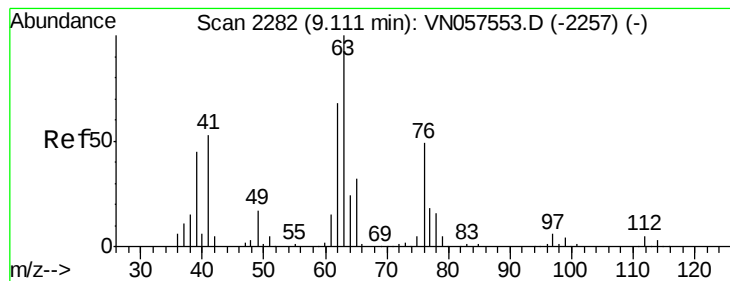
95 99.5 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057553.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057553.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 45.038 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

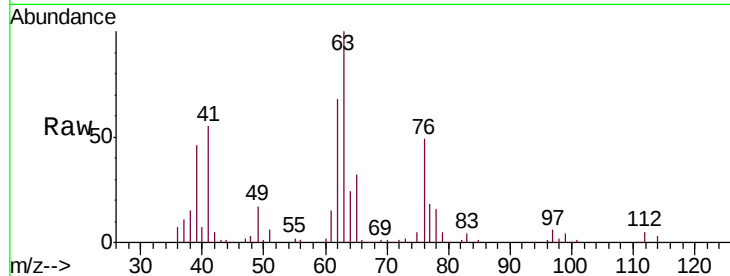
ClientSampleId :

Tot Ion: 63 Resp: 286255

Ion Ratio Lower Upper

63 100

65 31.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

100000

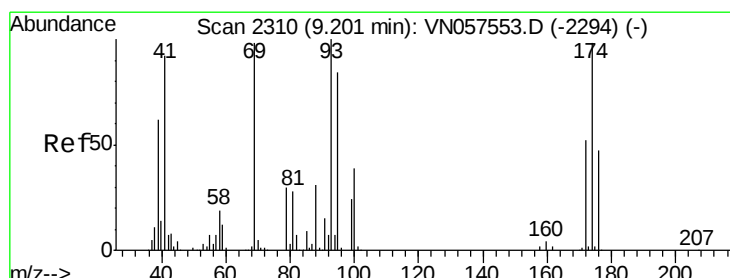
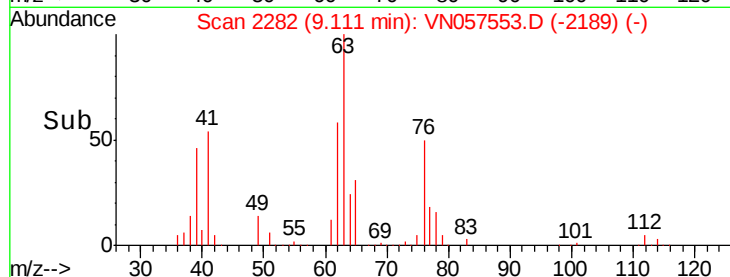
50000

0

9.11

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 53.463 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

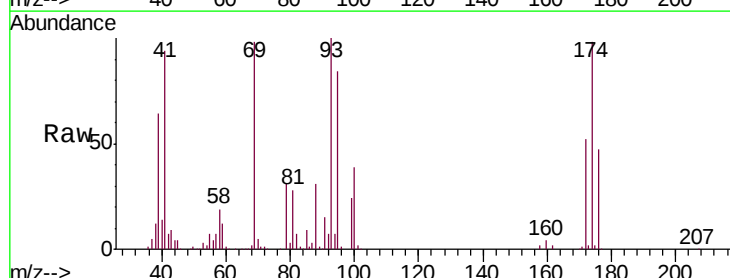
Tgt Ion: 93 Resp: 224618

Ion Ratio Lower Upper

93 100

95 83.5 64.7 97.1

174 98.9 62.3 93.5#



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

150000

100000

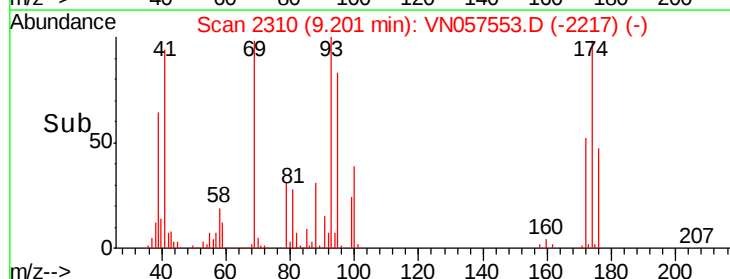
50000

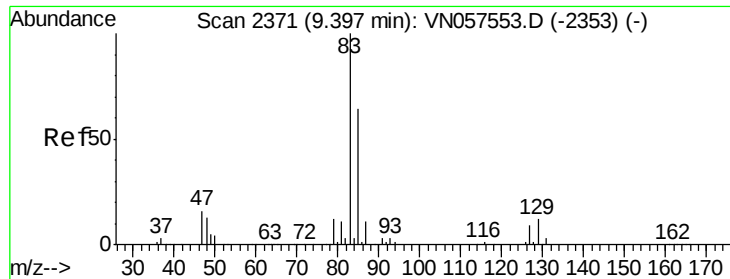
0

9.20

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 54.165 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :

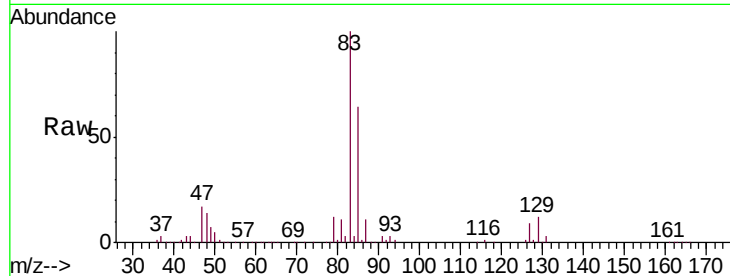
Tot Ion: 83 Resp: 470763

Ion Ratio Lower Upper

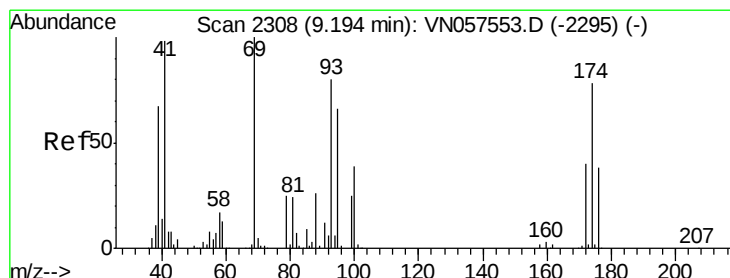
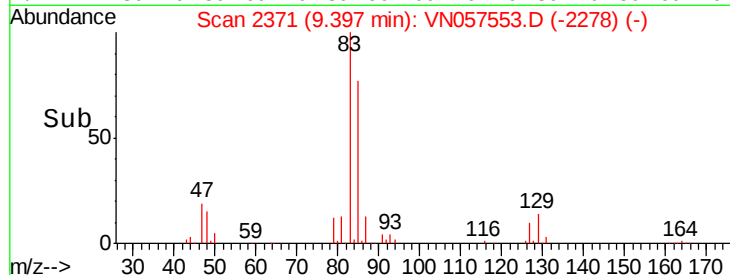
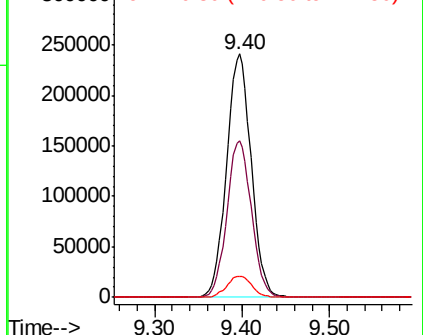
83 100

85 64.1 51.2 76.8

127 8.7 6.6 10.0



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



#48

Methyl methacrylate

Concen: 36.604 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

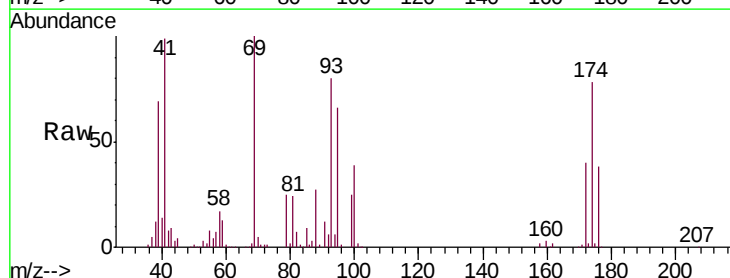
Tgt Ion: 41 Resp: 227689

Ion Ratio Lower Upper

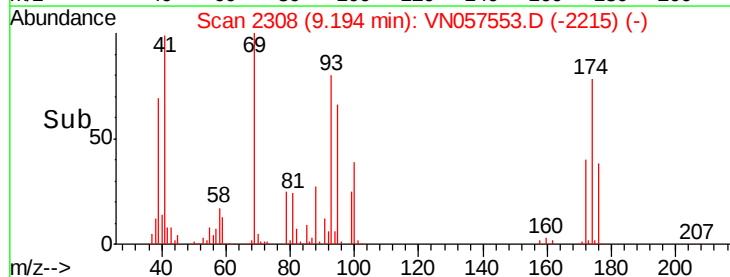
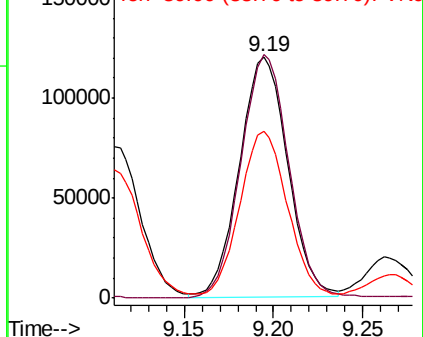
41 100

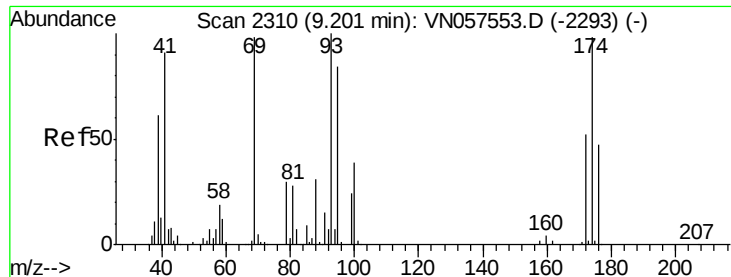
69 101.4 59.3 88.9#

39 68.8 50.6 75.8



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





#49

1,4-Dioxane

Concen: 977.271 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :

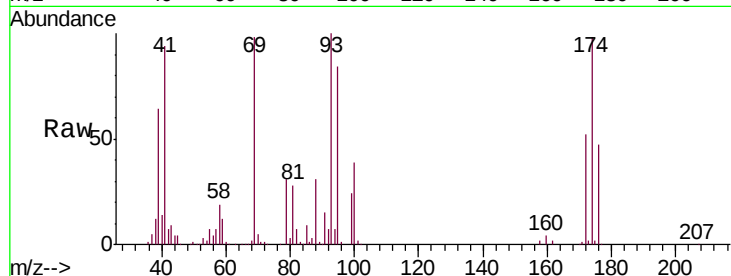
Tot Ion: 88 Resp: 83231

Ion Ratio Lower Upper

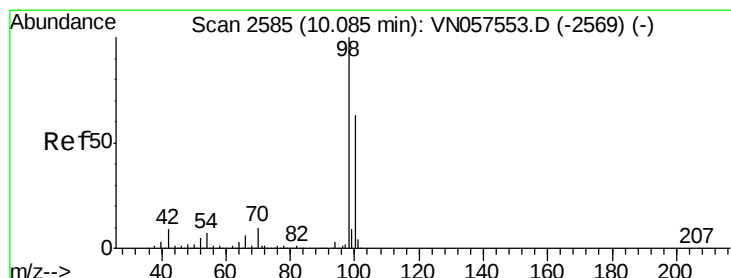
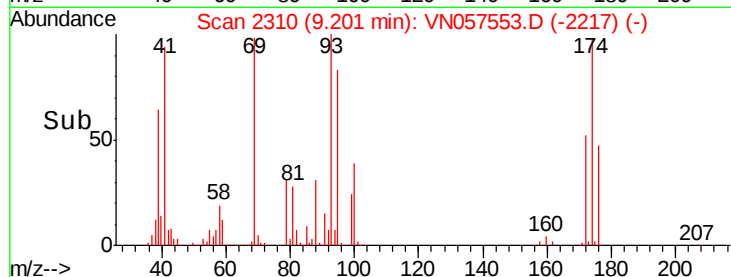
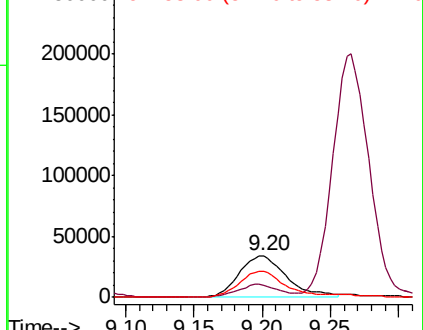
88 100

43 25.6 31.0 46.6#

58 59.2 64.5 96.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 63.658 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057553.D

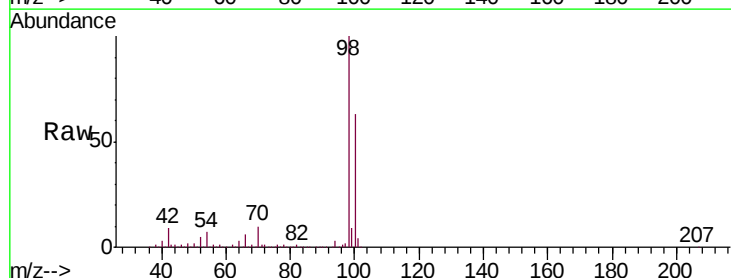
Acq: 29 Aug 2019 16:39

Tgt Ion: 98 Resp: 1278429

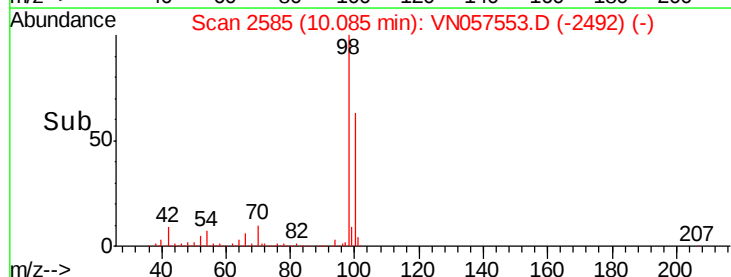
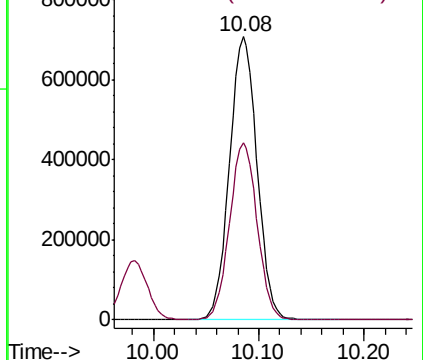
Ion Ratio Lower Upper

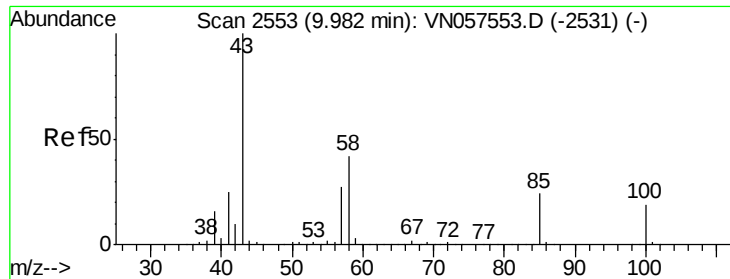
98 100

100 62.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 187.227 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

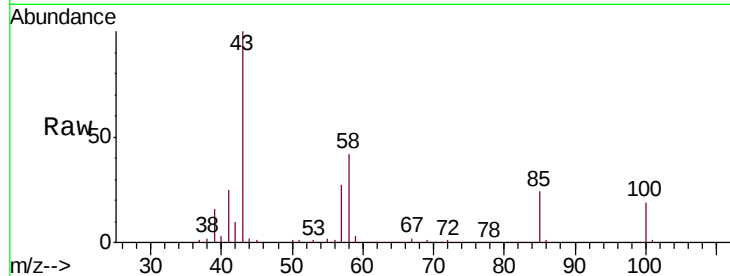
ClientSampled :

Tot Ion: 43 Resp: 1368460

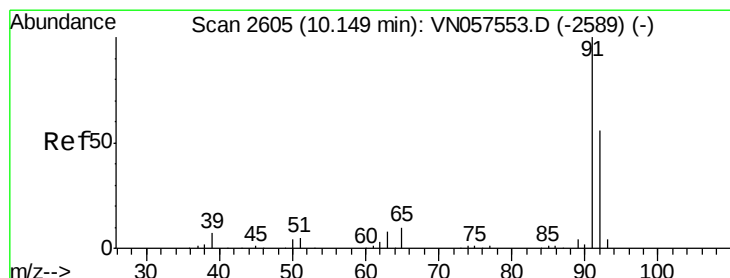
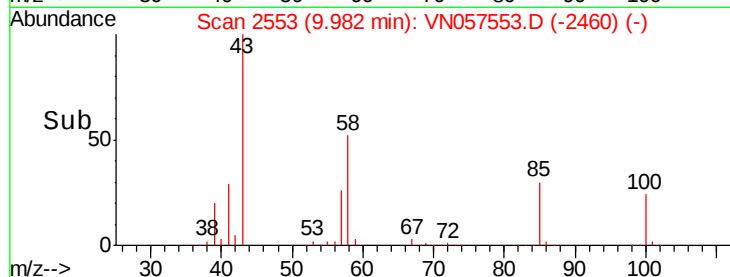
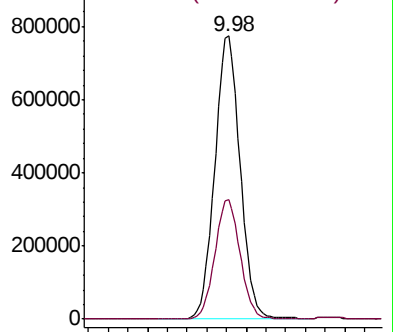
Ion Ratio Lower Upper

43 100

58 42.2 27.9 41.9#



Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-2531) (-)



#52

Toluene

Concen: 60.818 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057553.D

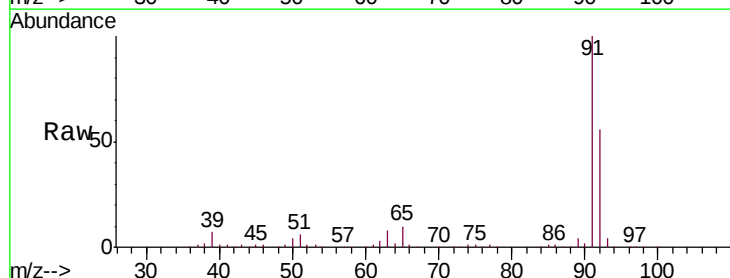
Acq: 29 Aug 2019 16:39

Tgt Ion: 92 Resp: 835975

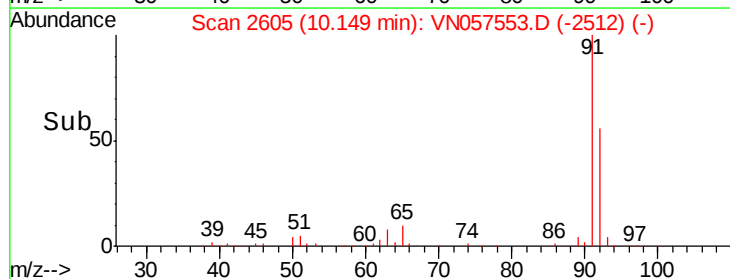
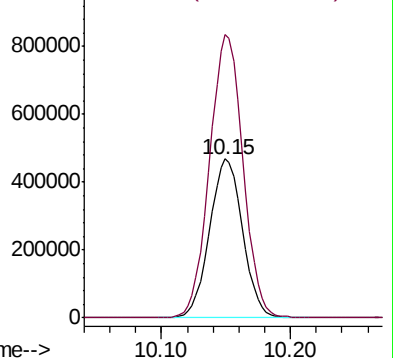
Ion Ratio Lower Upper

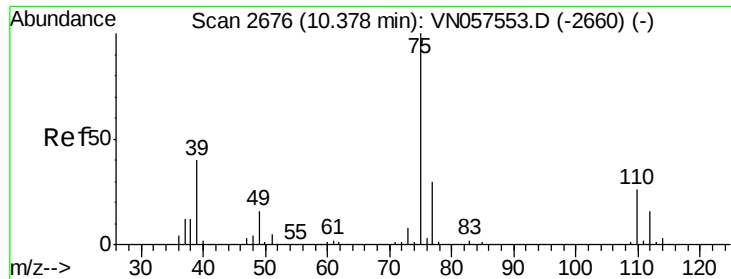
92 100

91 180.2 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN057553.D (-2589) (-)

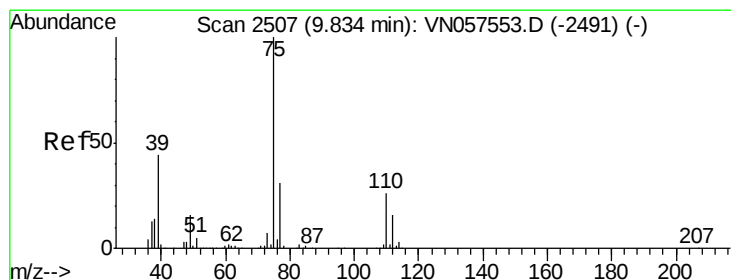
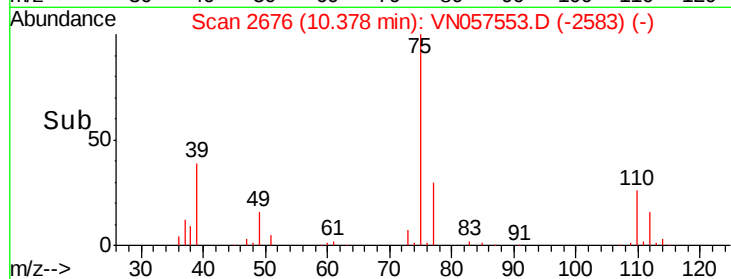
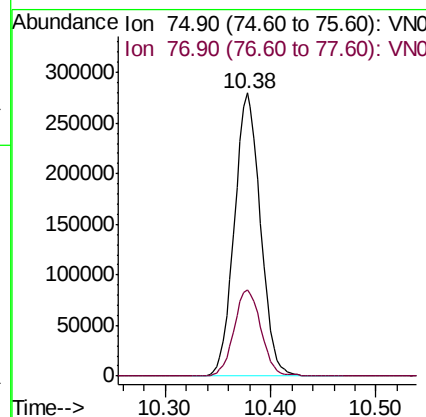
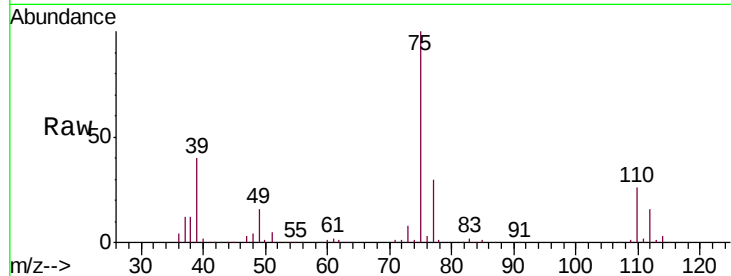




#53
 t-1,3-Dichloropropene
 Concen: 52.954 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

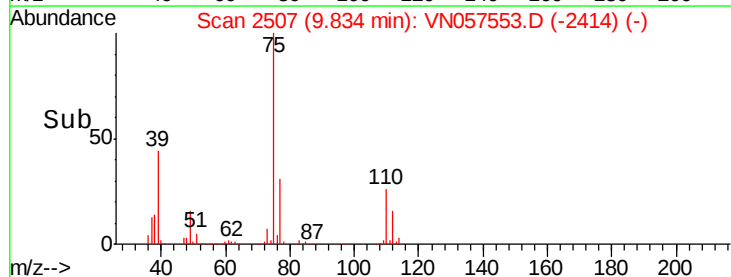
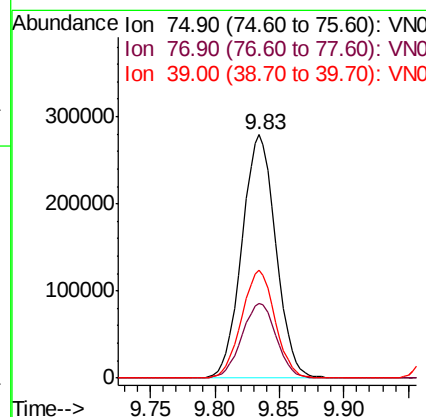
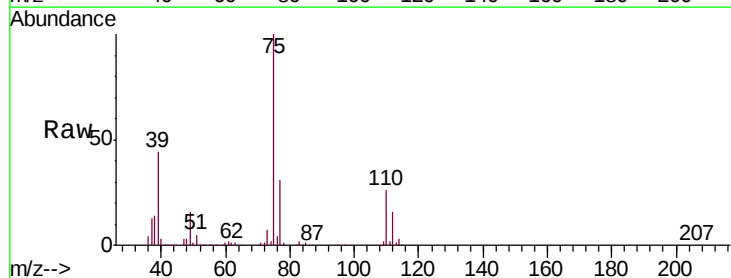
Instrument :
 MSVOA_N
 ClientSampleId :

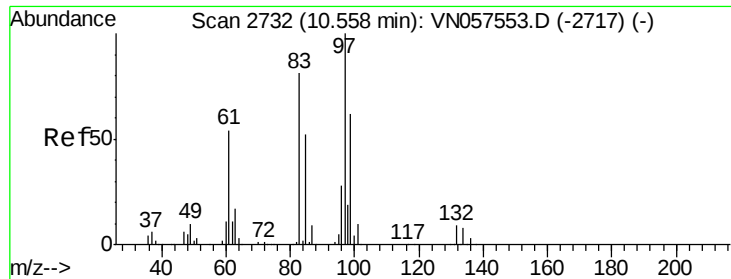
Tot Ion: 75 Resp: 478230
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 51.106 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion: 75 Resp: 511650
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.0 37.6
 39 44.3 49.2 73.8#

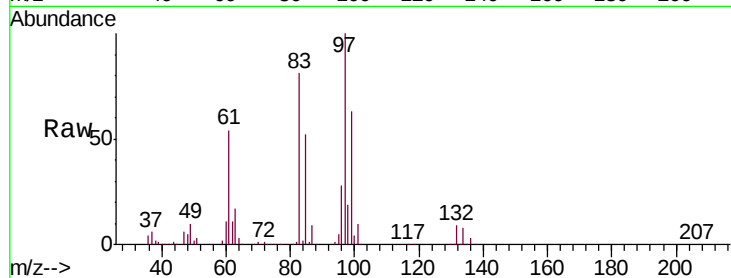




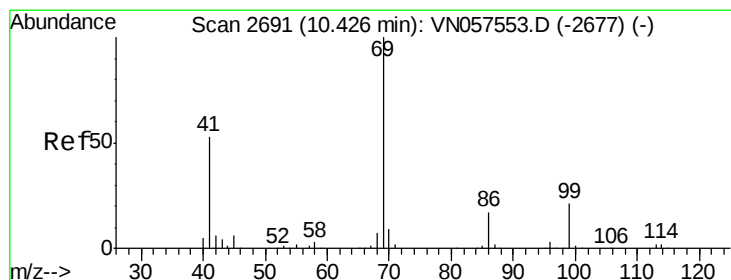
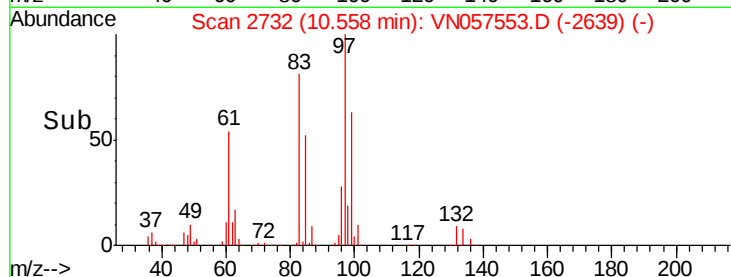
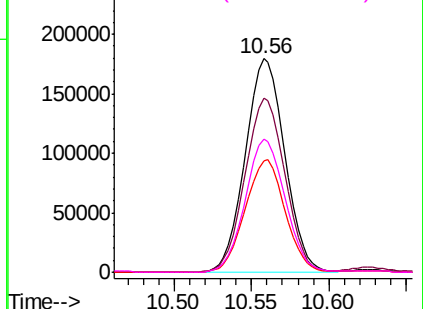
#55
 1,1,2-Trichloroethane
 Concen: 57.994 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	320844
Ion	Ratio	Lower	Upper
97	100		
83	81.2	73.7	110.5
85	52.4	46.8	70.2
99	62.4	49.8	74.8

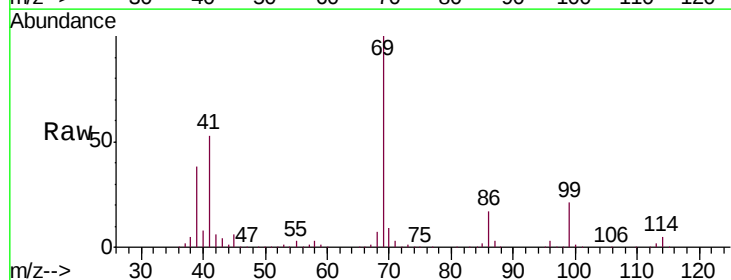


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

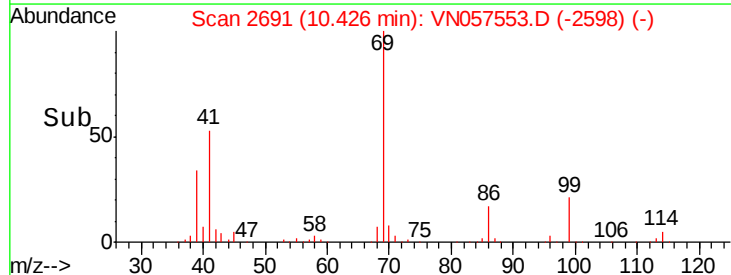
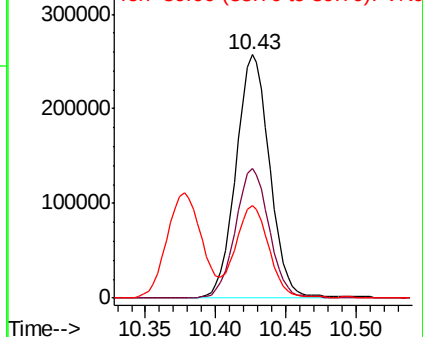


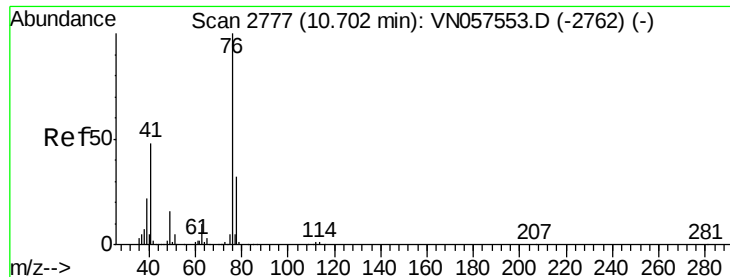
#56
 Ethyl methacrylate
 Concen: 51.282 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion:	69	Resp:	429746
Ion	Ratio	Lower	Upper
69	100		
41	52.7	60.8	91.2#
39	36.8	36.5	54.7



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





#57

1,3-Dichloropropane

Concen: 53.325 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

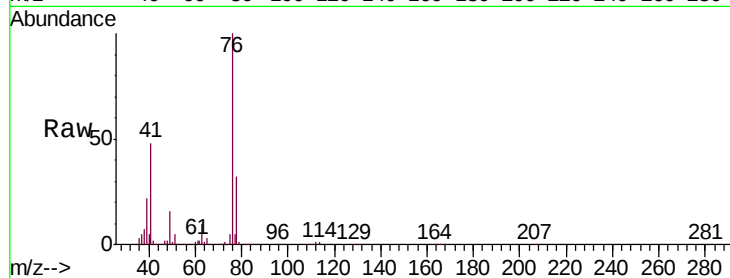
ClientSampled :

Tot Ion: 76 Resp: 500936

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

300000

250000

200000

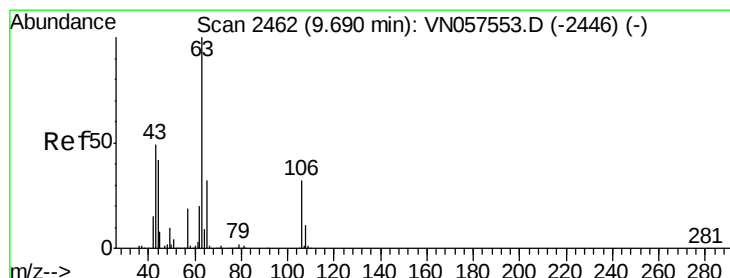
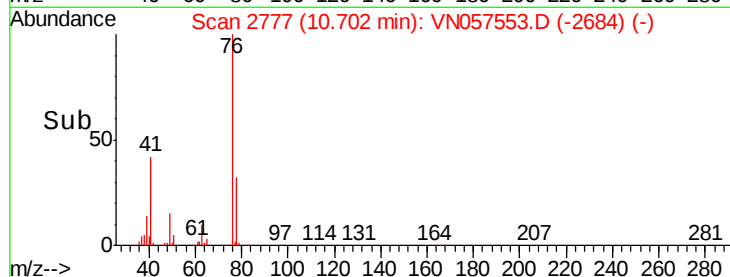
150000

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 280.335 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057553.D

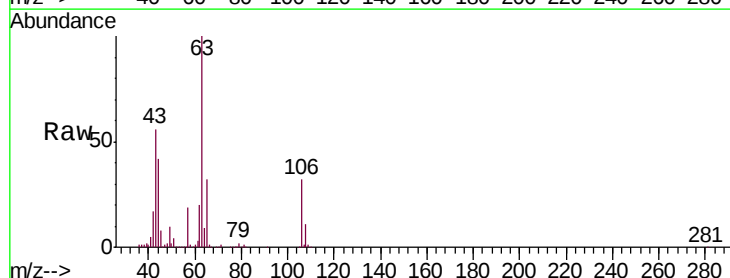
Acq: 29 Aug 2019 16:39

Tgt Ion: 63 Resp: 555450

Ion Ratio Lower Upper

63 100

106 32.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

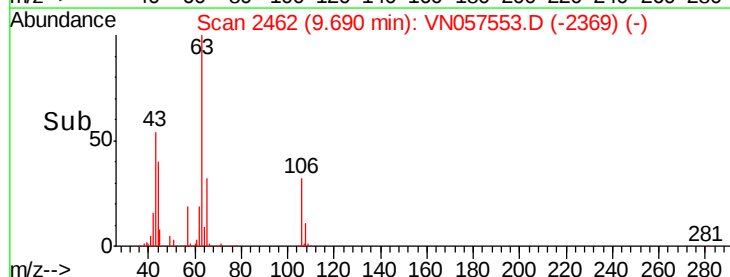
300000

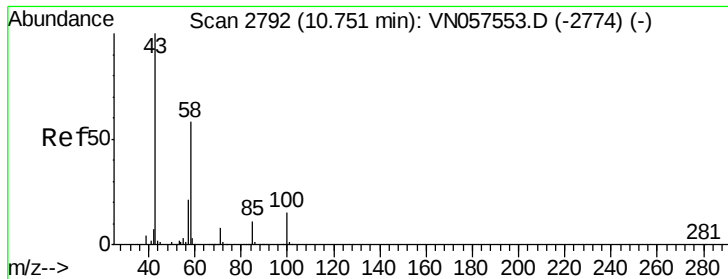
200000

100000

0

Time--> 9.60 9.65 9.70 9.75

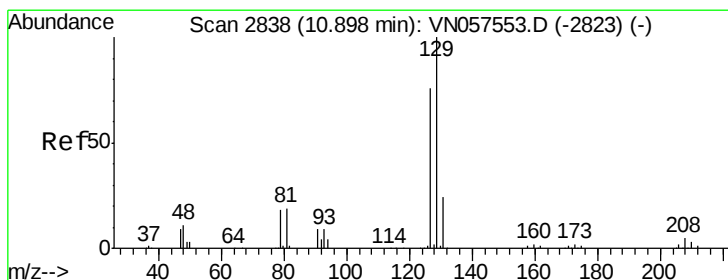
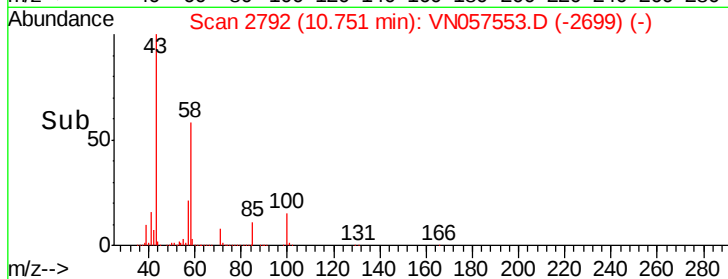
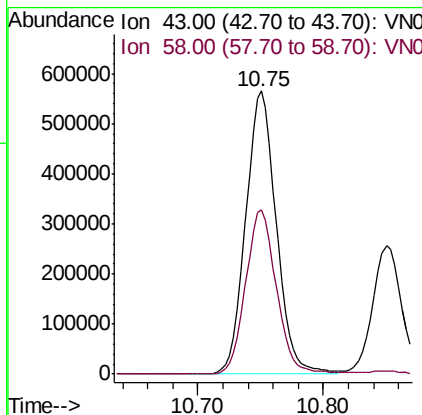
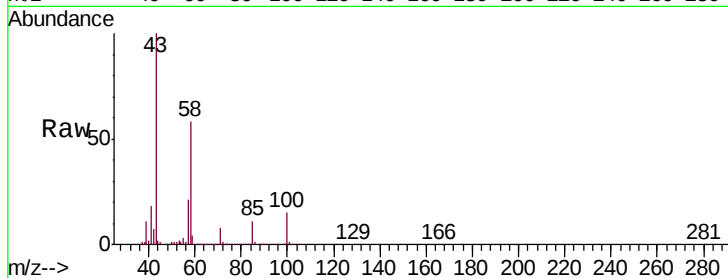




#59
2-Hexanone
Concen: 190.989 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

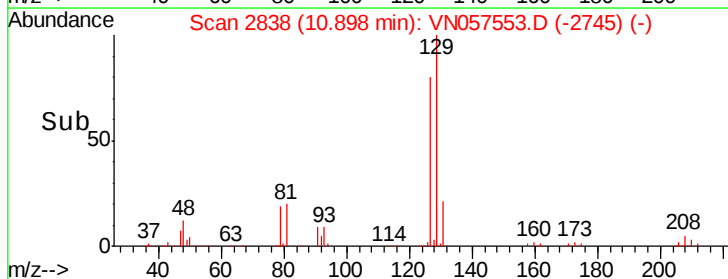
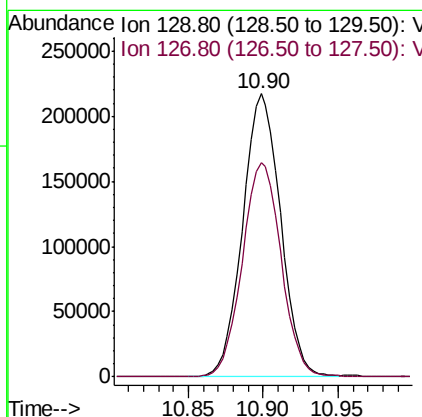
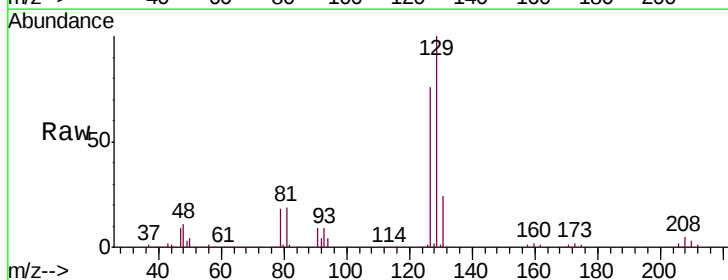
Instrument :
MSVOA_N
ClientSampled :

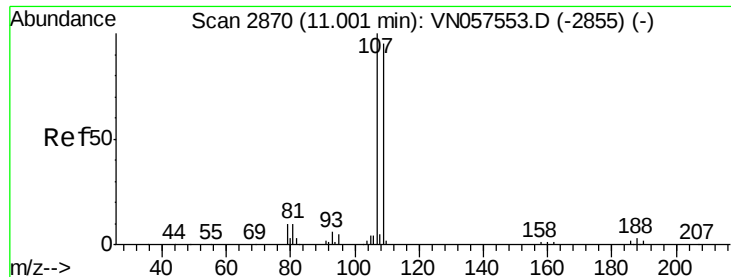
Tot Ion: 43 Resp: 959325
Ion Ratio Lower Upper
43 100
58 58.8 24.6 73.6



#60
Dibromochloromethane
Concen: 64.235 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 129 Resp: 383946
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9

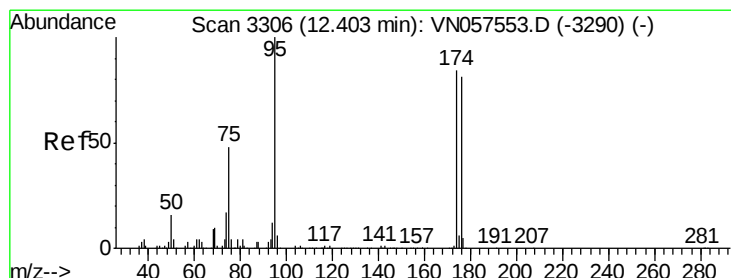
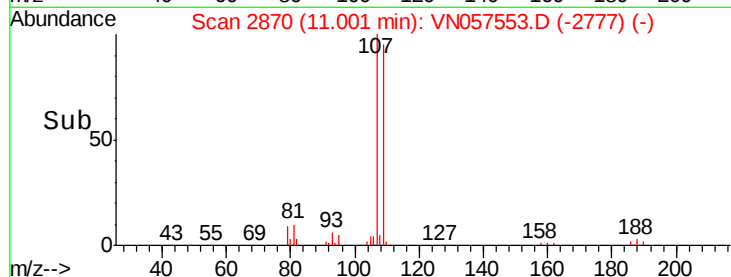
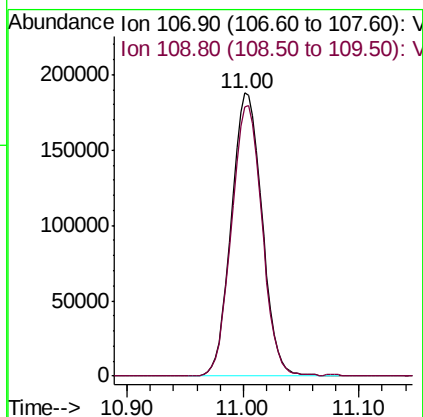
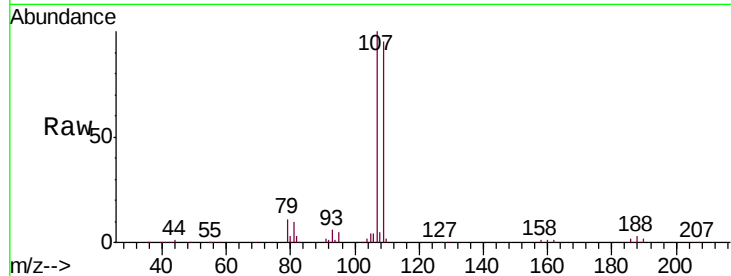




#61
 1,2-Dibromoethane
 Concen: 62.568 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

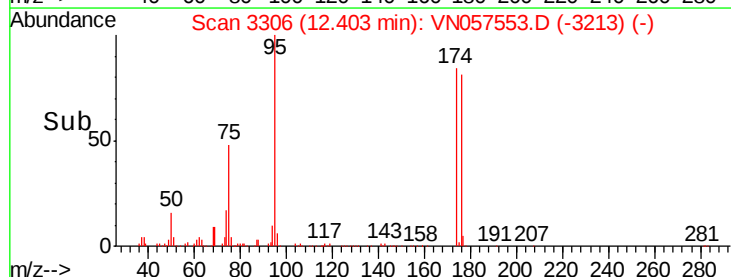
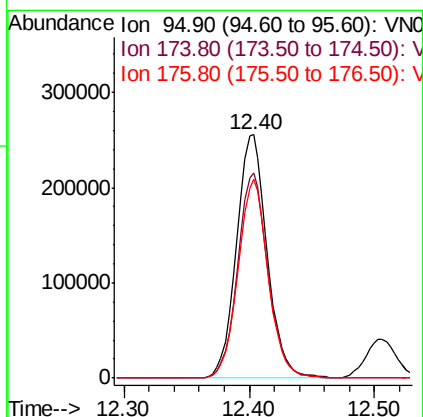
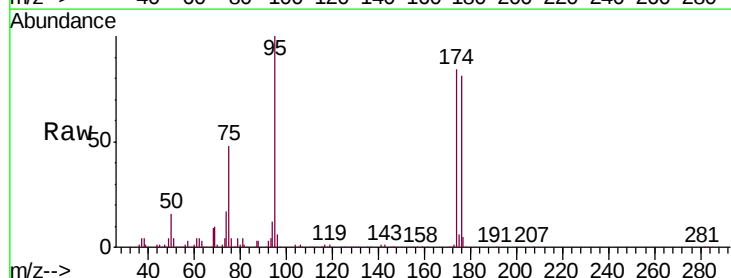
Instrument :
 MSVOA_N
 ClientSampleId :

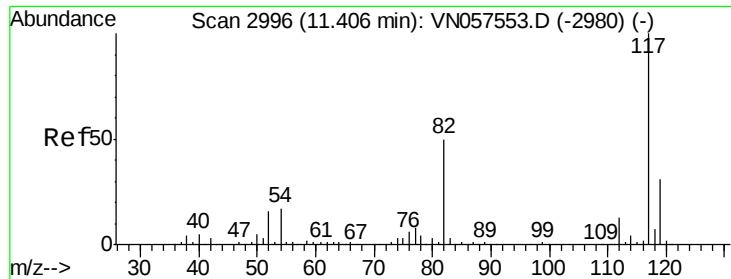
Tot Ion:107 Resp: 342921
 Ion Ratio Lower Upper
 107 100
 109 95.4 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 63.647 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion: 95 Resp: 433521
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 133.0
 176 80.3 0.0 130.8

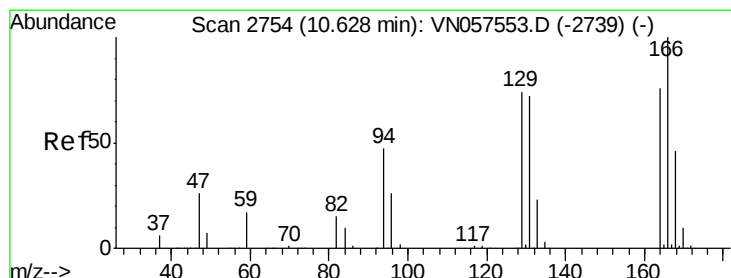
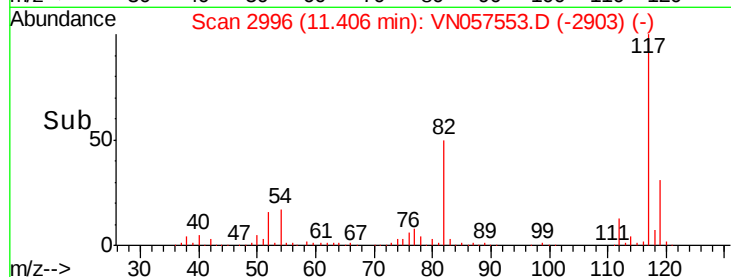
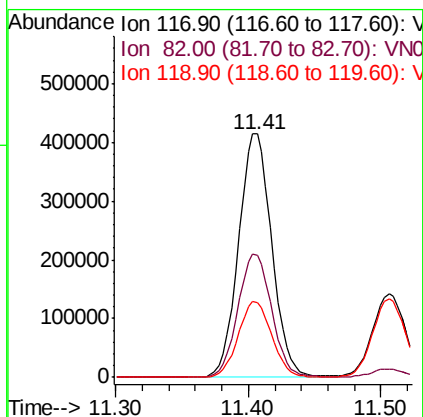
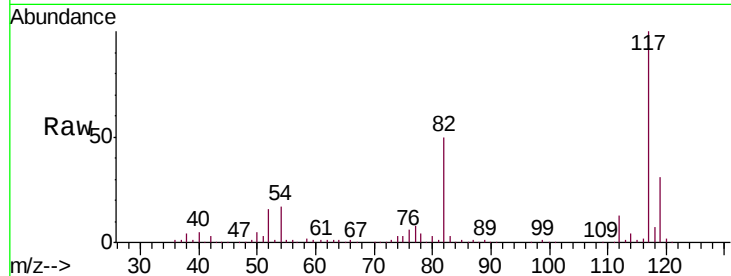




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

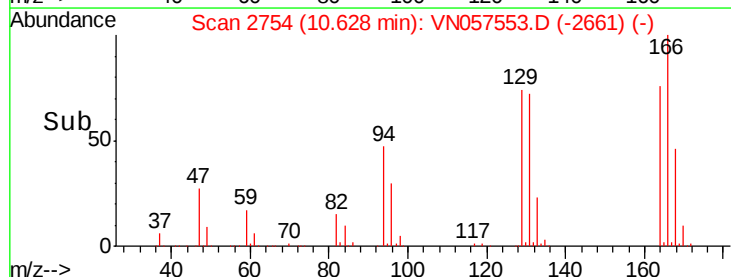
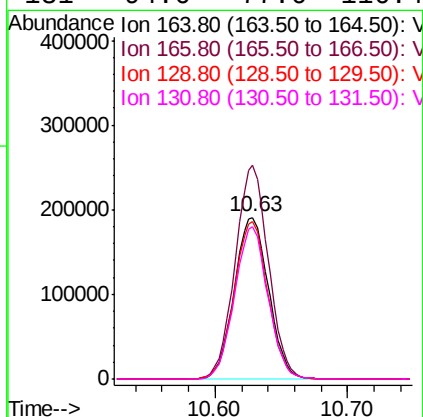
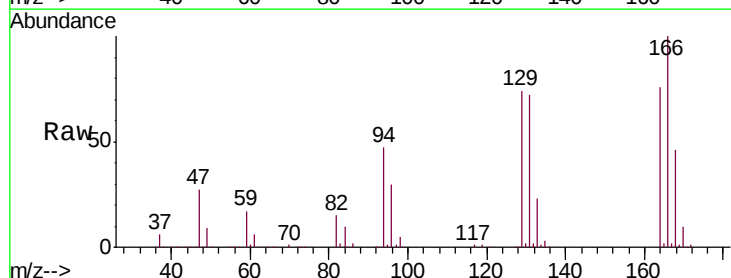
Instrument :
MSVOA_N
ClientSampled :

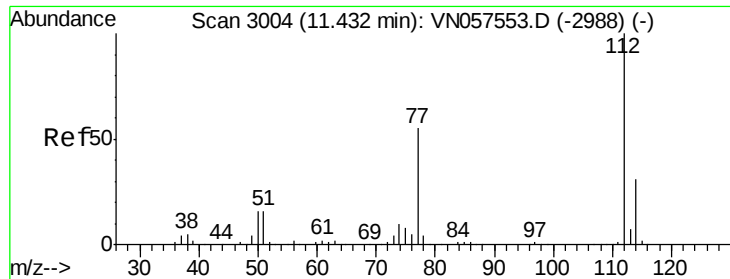
Tot Ion:117 Resp: 721844
Ion Ratio Lower Upper
117 100
82 50.3 50.6 75.8#
119 30.9 24.6 36.8



#64
Tetrachloroethene
Concen: 63.292 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion:164 Resp: 343542
Ion Ratio Lower Upper
164 100
166 132.3 104.4 156.6
129 97.6 86.6 130.0
131 94.6 77.6 116.4

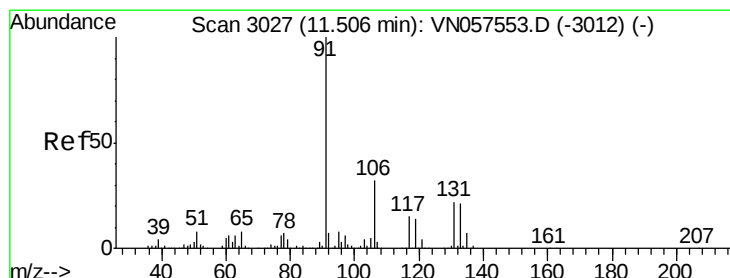
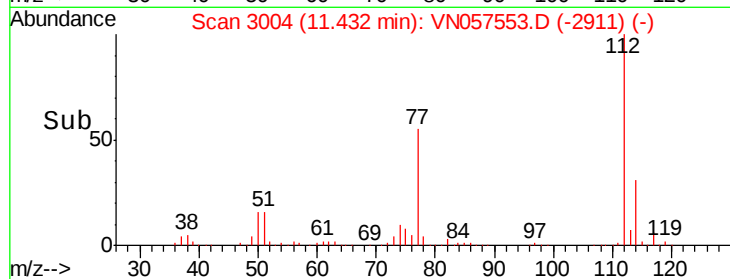
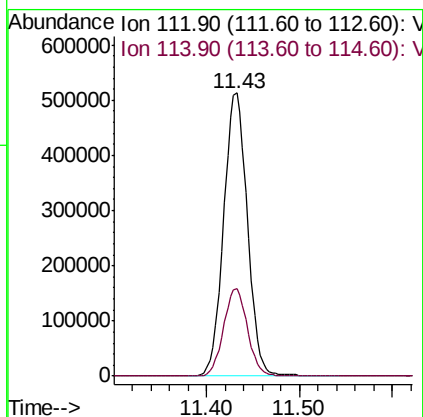
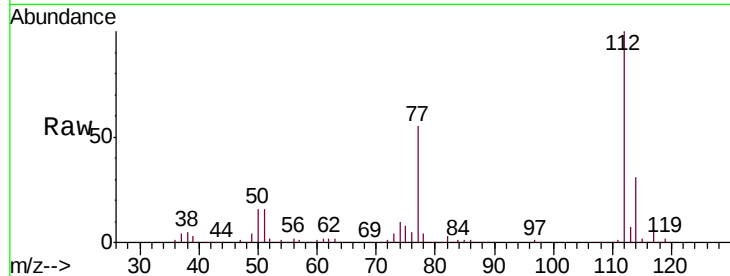




#65
Chlorobenzene
Concen: 59.322 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

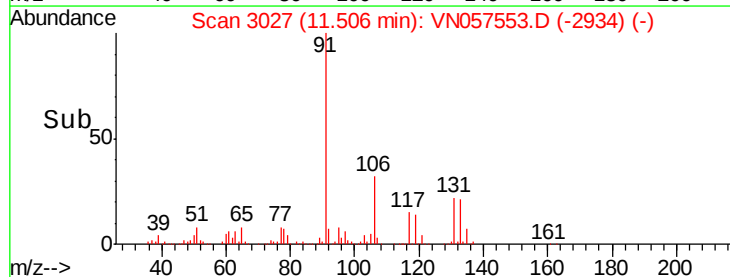
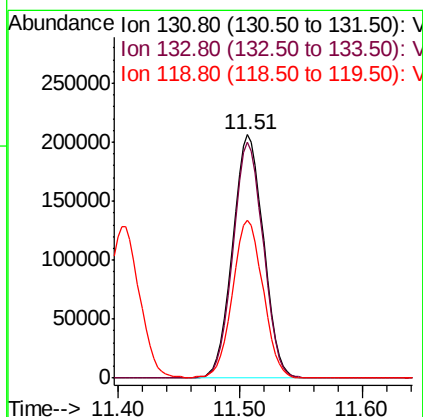
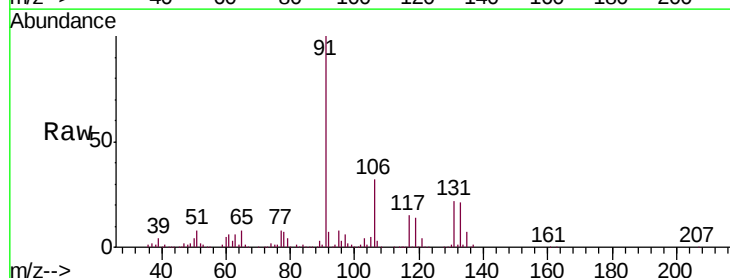
Instrument :
MSVOA_N
ClientSampled :

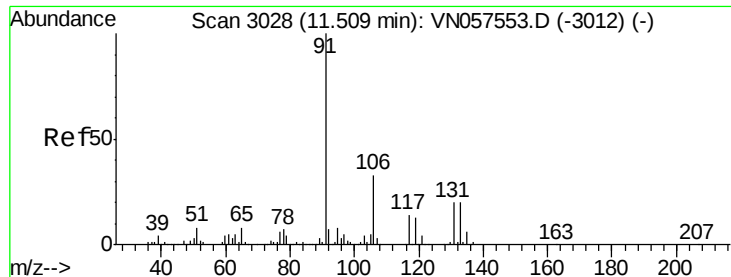
Tot Ion:112 Resp: 913000
Ion Ratio Lower Upper
112 100
114 30.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 60.936 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion:131 Resp: 361638
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 64.2 34.4 103.2

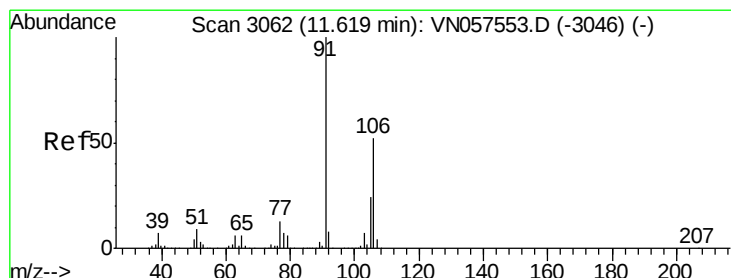
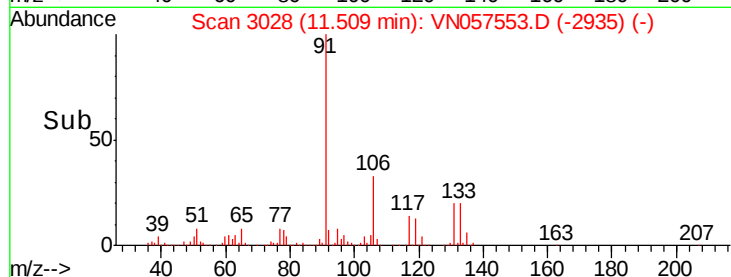
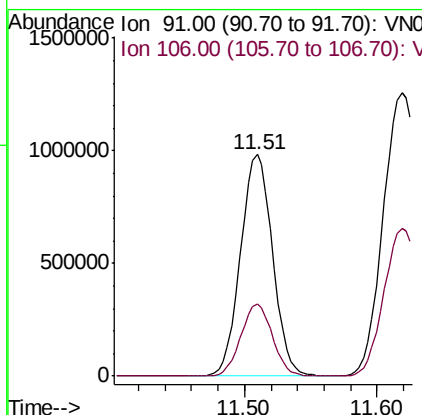
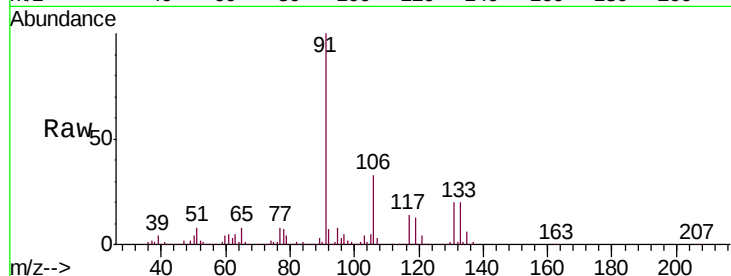




#67
Ethyl Benzene
Concen: 56.426 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

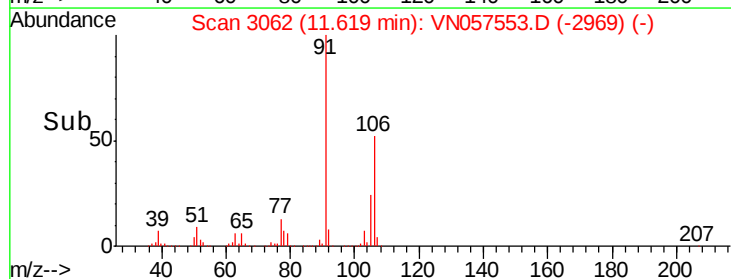
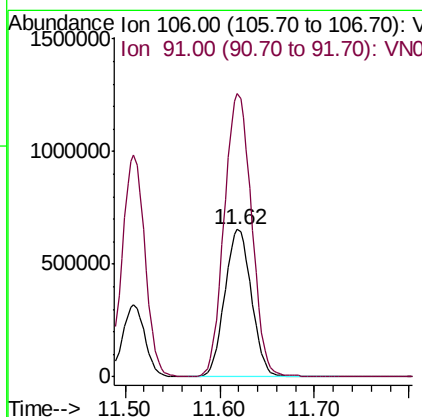
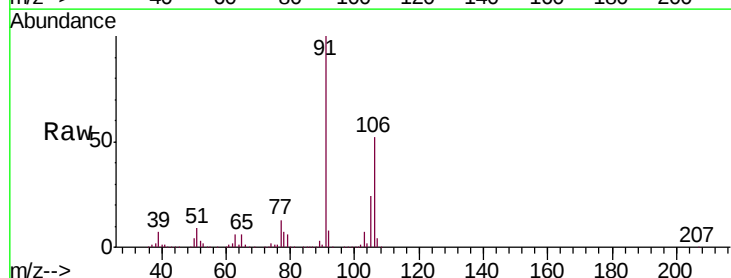
Instrument :
MSVOA_N
ClientSampled :

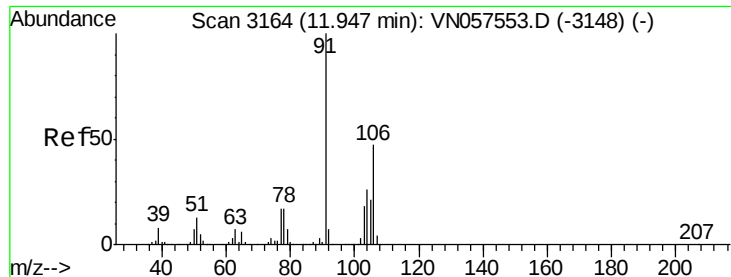
Tot Ion: 91 Resp: 1650134
Ion Ratio Lower Upper
91 100
106 32.7 24.1 36.1



#68
m/p-Xylenes
Concen: 126.379 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion: 106 Resp: 1284282
Ion Ratio Lower Upper
106 100
91 196.8 171.8 257.6

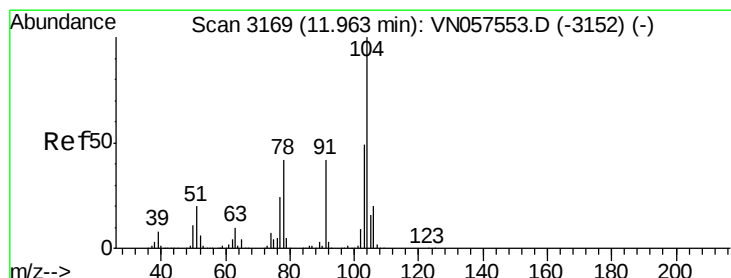
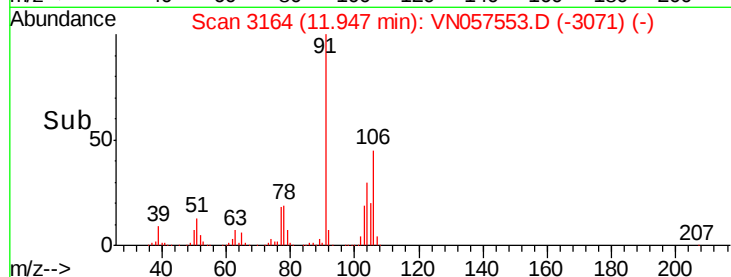
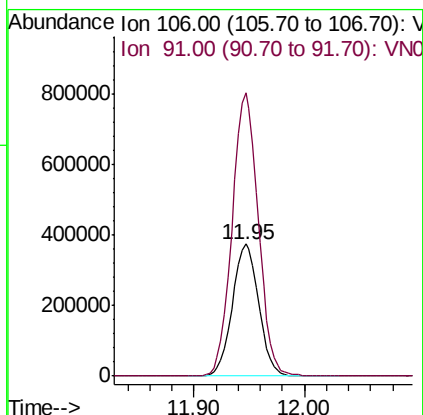
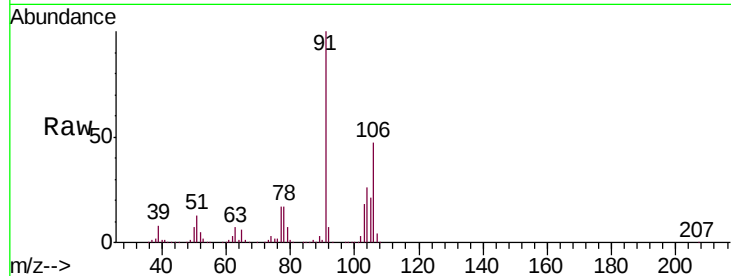




#69
o-Xylene
Concen: 61.966 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

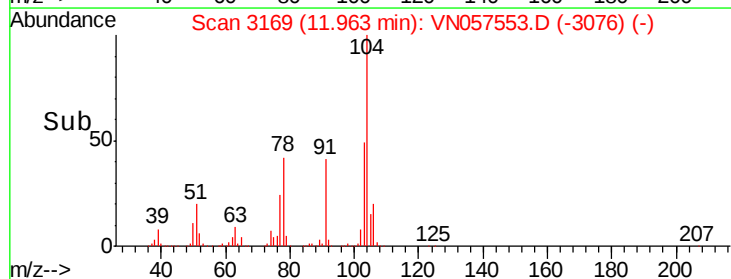
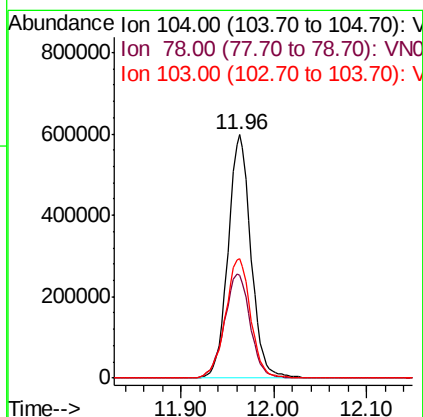
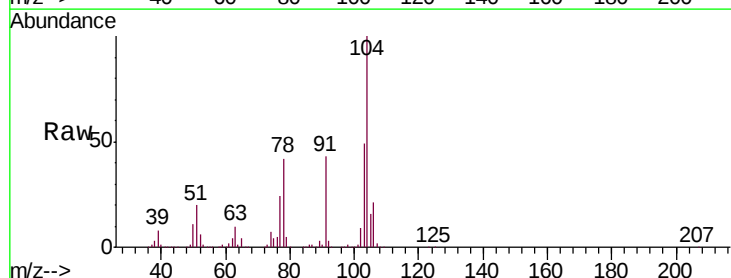
Instrument :
MSVOA_N
ClientSampled :

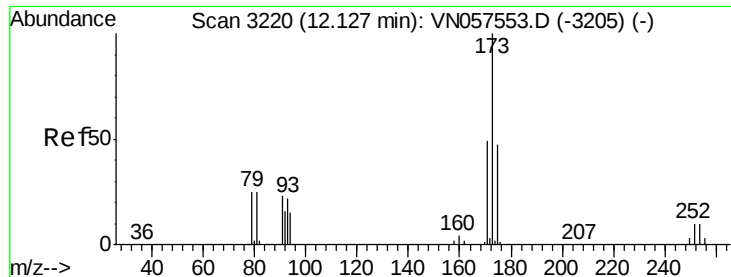
Tot Ion:106 Resp: 621135
Ion Ratio Lower Upper
106 100
91 213.3 112.3 336.9



#70
Styrene
Concen: 64.120 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion:104 Resp: 1019084
Ion Ratio Lower Upper
104 100
78 48.2 44.7 67.1
103 54.3 44.4 66.6

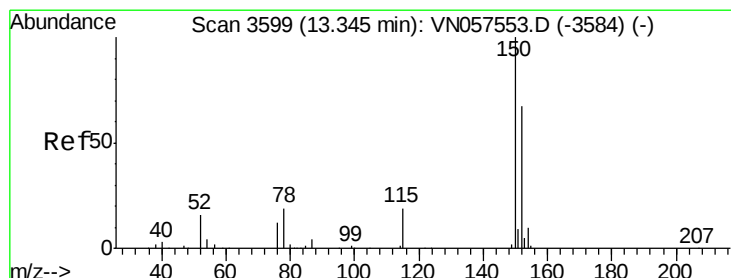
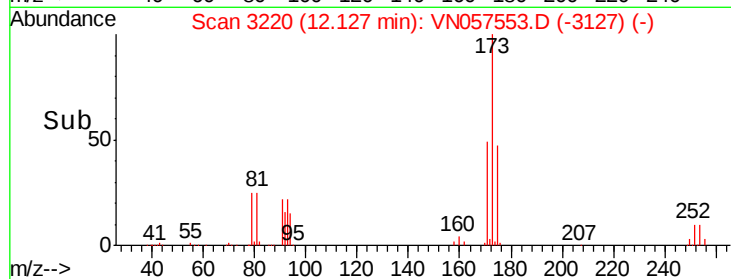
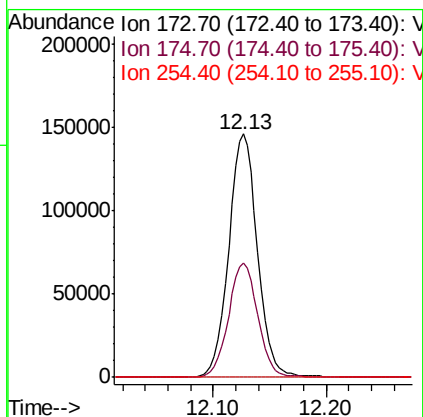
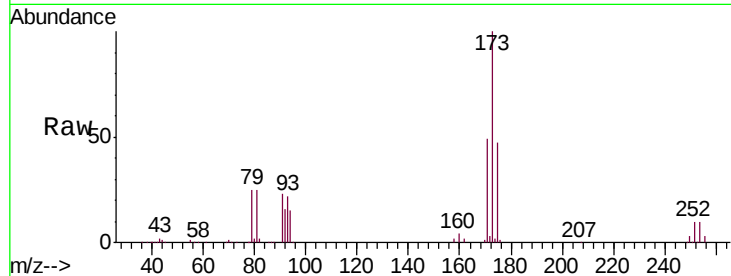




#71
Bromoform
Concen: 63.756 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

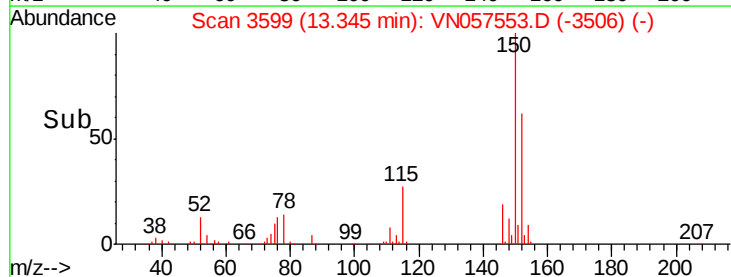
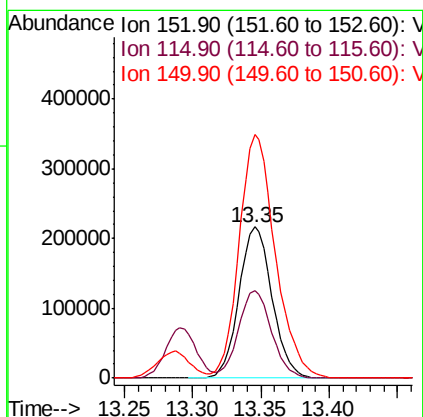
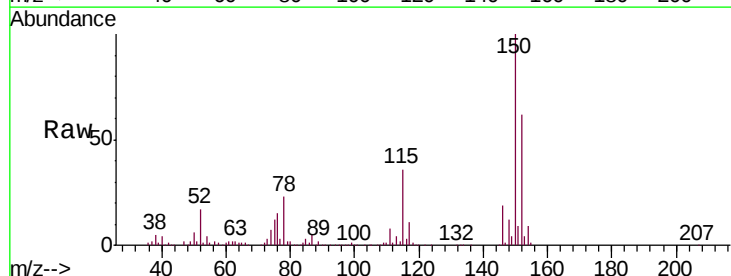
Instrument :
MSVOA_N
ClientSampleId :

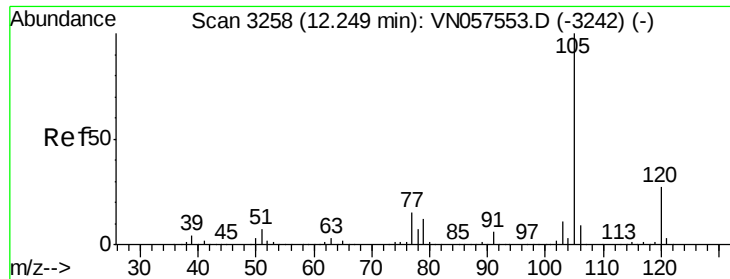
Tot Ion:173 Resp: 257030
Ion Ratio Lower Upper
173 100
175 48.1 23.9 71.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057553.D
Acq: 29 Aug 2019 16:39

Tgt Ion:152 Resp: 364790
Ion Ratio Lower Upper
152 100
115 57.7 32.0 96.0
150 175.9 0.0 346.6





#73

Isopropylbenzene

Concen: 41.153 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

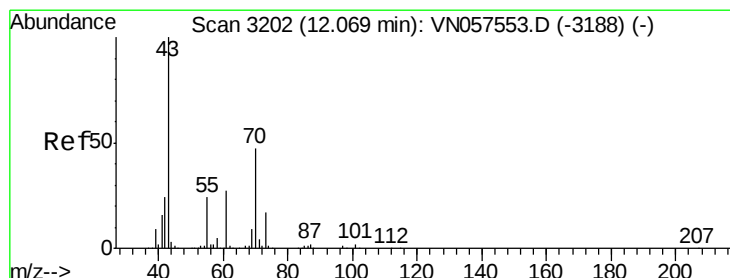
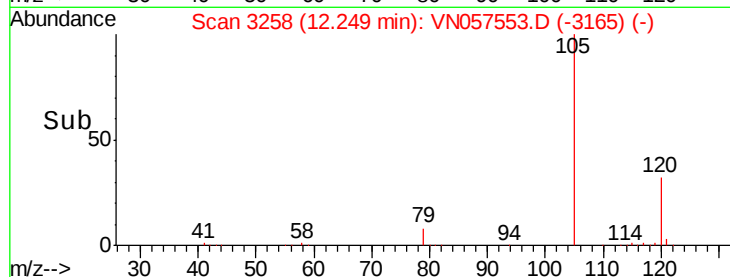
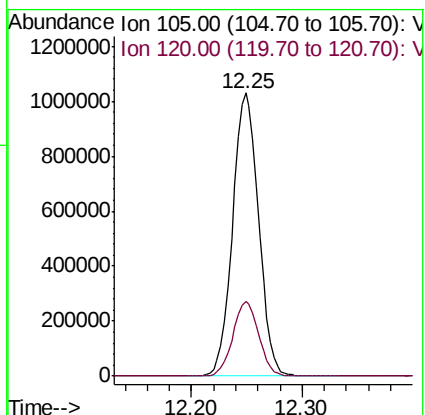
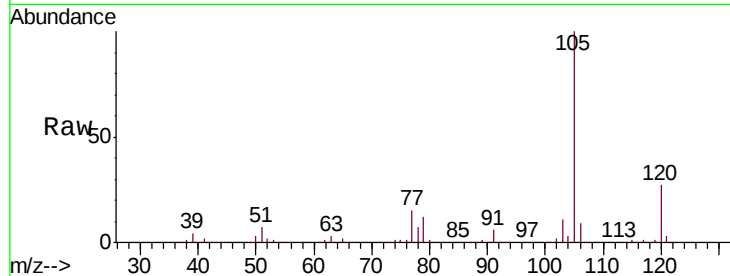
ClientSampled :

Tot Ion:105 Resp: 1678675

Ion Ratio Lower Upper

105 100

120 26.4 12.7 38.0



#74

N-ethyl acetate

Concen: 23.167 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Tgt Ion: 43 Resp: 404465

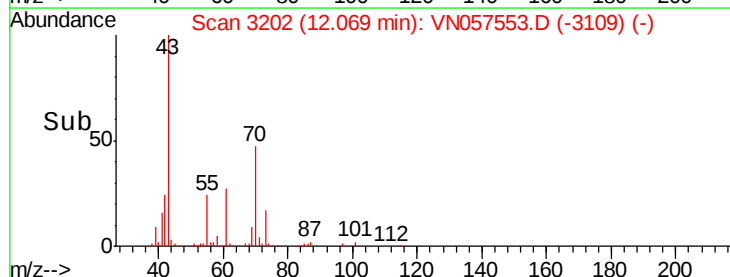
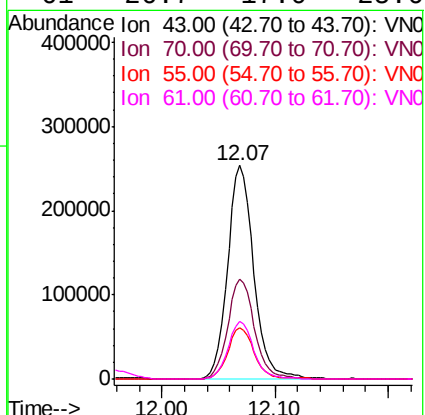
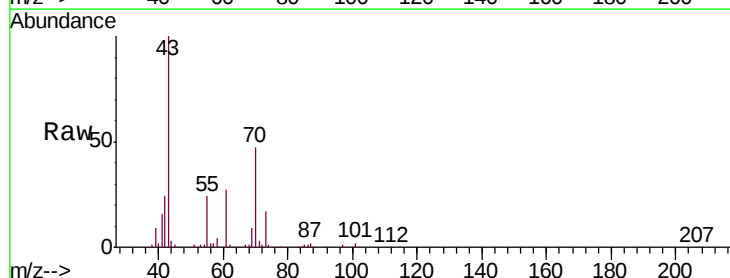
Ion Ratio Lower Upper

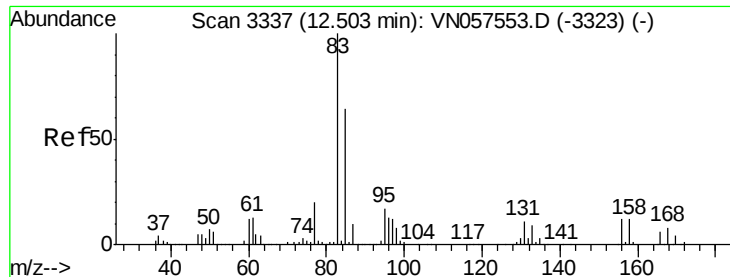
43 100

70 48.3 27.8 41.6#

55 24.6 17.0 25.4

61 26.7 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 34.157 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

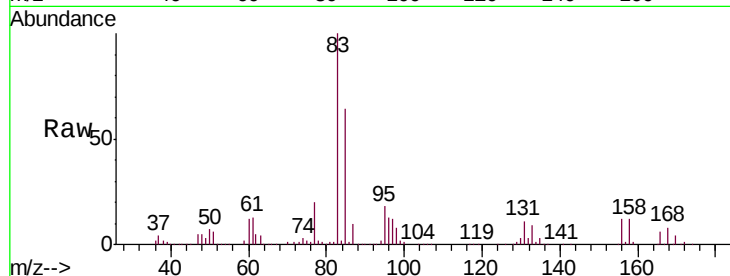
Tot Ion: 83 Resp: 399614

Ion	Ratio	Lower	Upper
83	100		
131	11.3	4.3	13.1
85	64.4	32.3	96.8

83 100

131 11.3 4.3 13.1

85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

12.50

250000

200000

150000

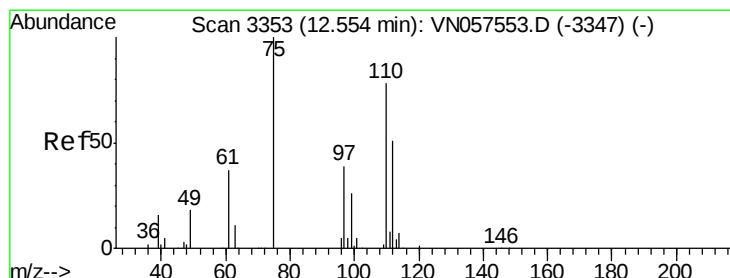
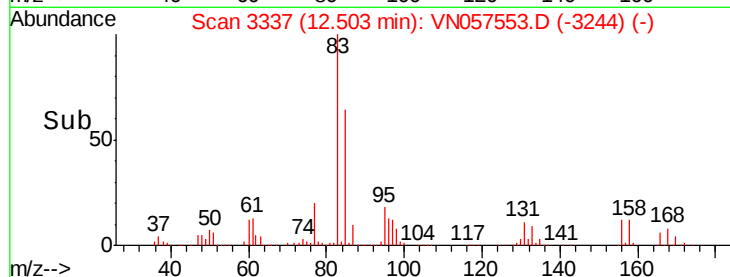
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.941 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057553.D

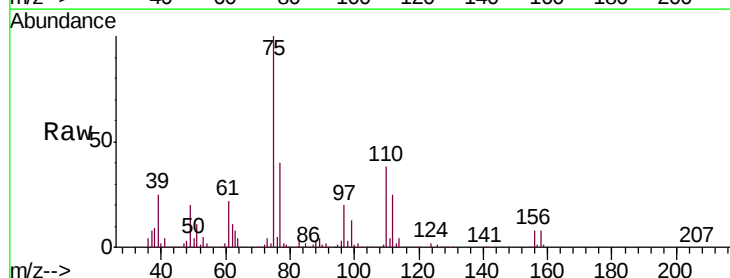
Acq: 29 Aug 2019 16:39

Tgt Ion: 75 Resp: 496964

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

400000

300000

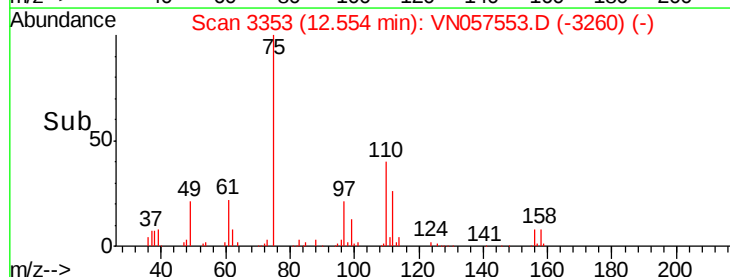
200000

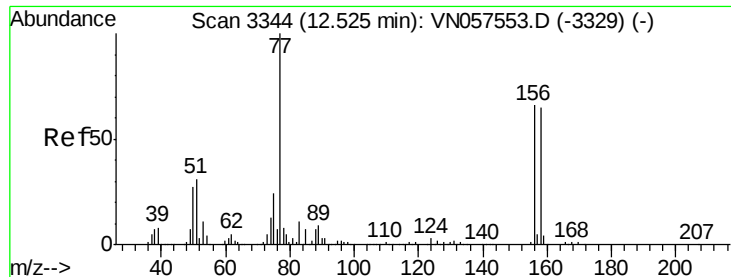
100000

0

12.50 12.55

Time-->





#77

Bromobenzene

Concen: 48.289 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

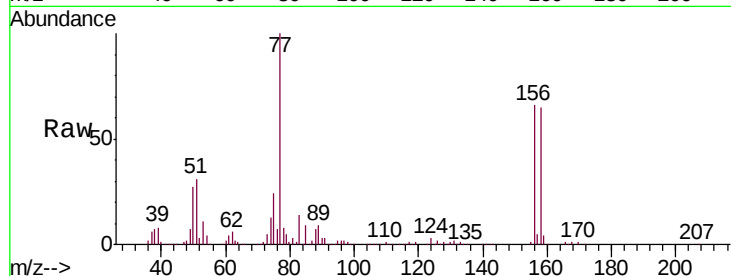
Tot Ion:156 Resp: 400081

Ion Ratio Lower Upper

156 100

77 178.2 124.4 373.3

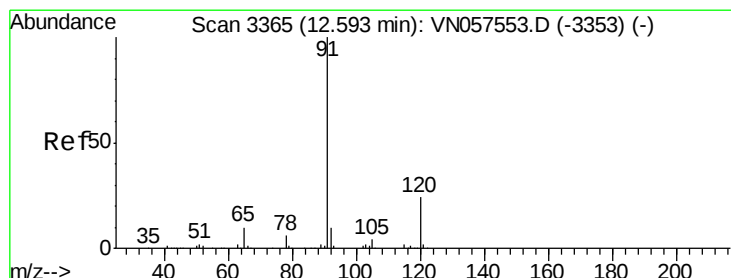
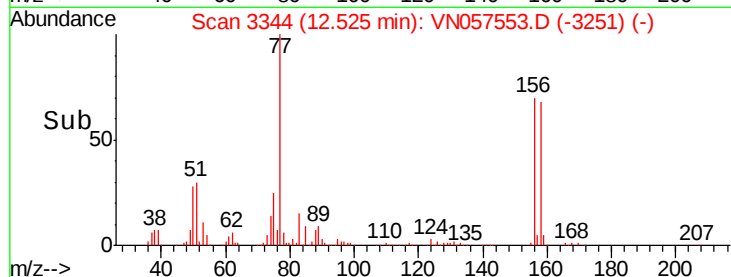
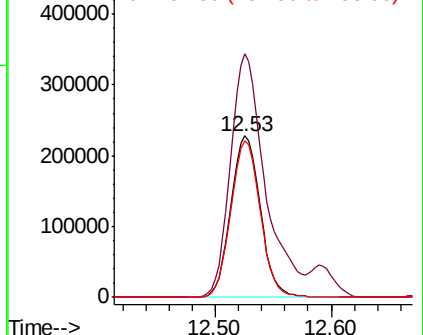
158 96.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 41.747 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057553.D

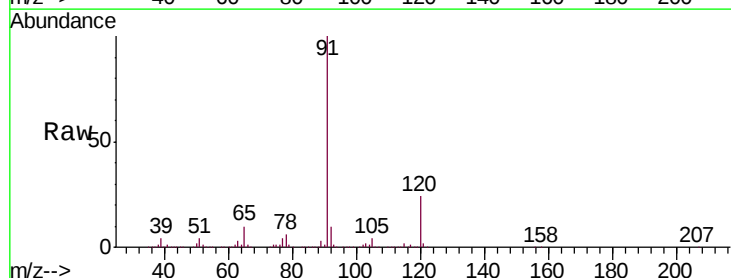
Acq: 29 Aug 2019 16:39

Tgt Ion: 91 Resp: 1793023

Ion Ratio Lower Upper

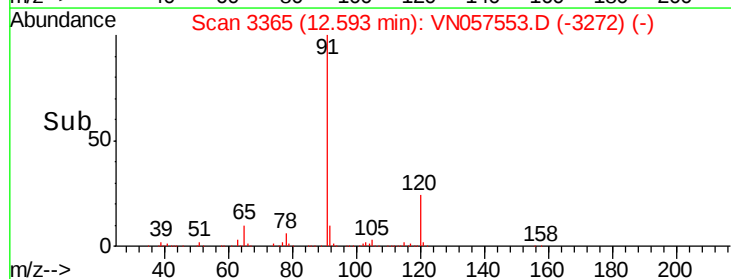
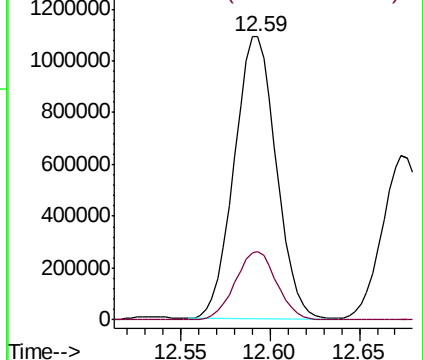
91 100

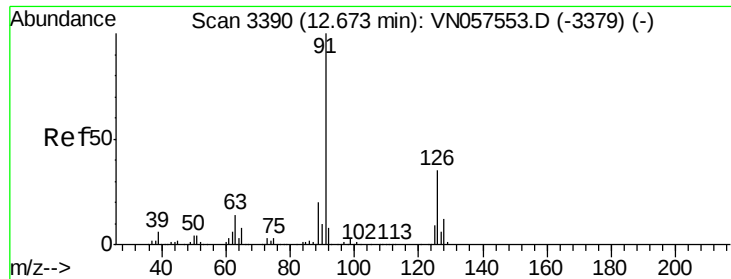
120 24.0 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.602 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

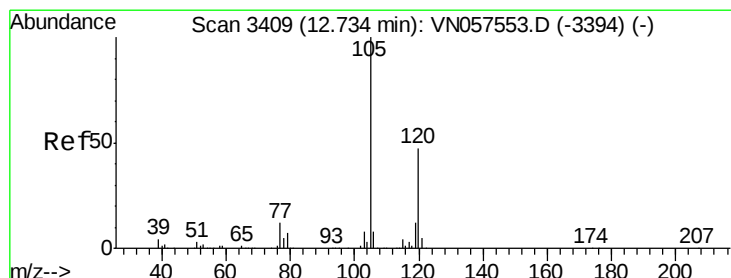
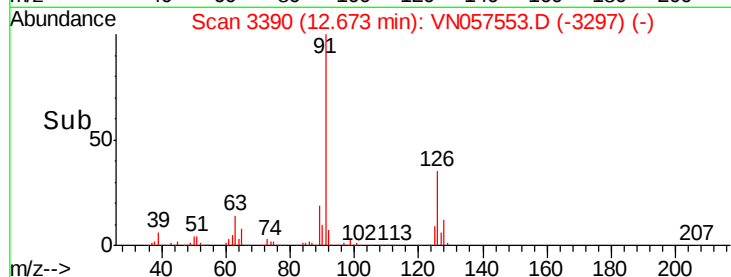
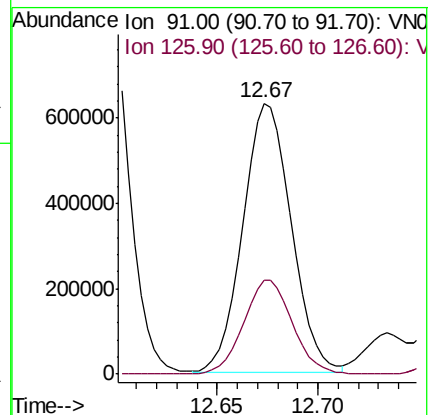
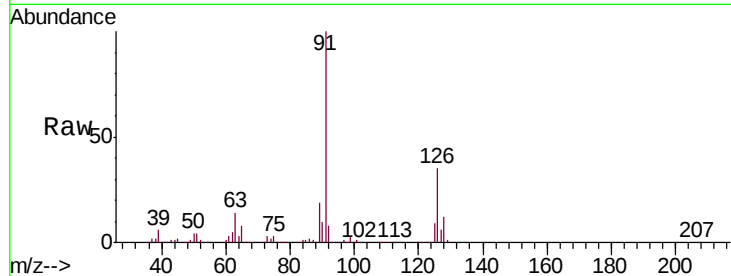
ClientSampleId :

Tot Ion: 91 Resp: 1064758

Ion Ratio Lower Upper

91 100

126 35.1 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 44.997 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057553.D

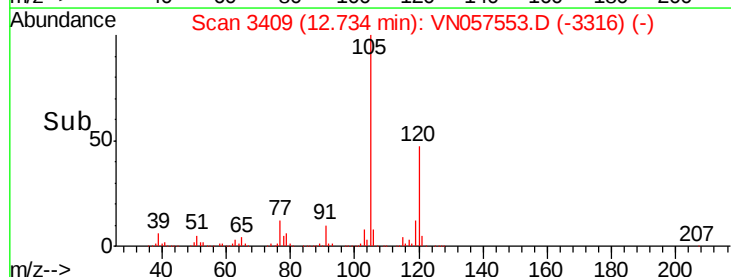
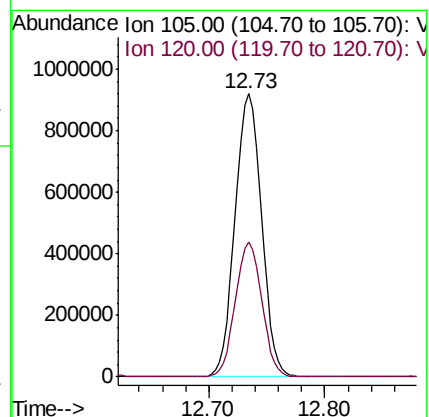
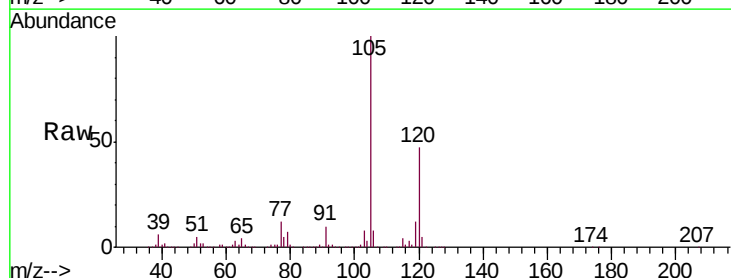
Acq: 29 Aug 2019 16:39

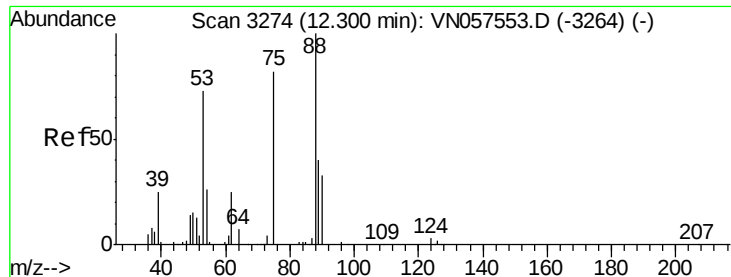
Tgt Ion:105 Resp: 1453798

Ion Ratio Lower Upper

105 100

120 47.6 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 34.312 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

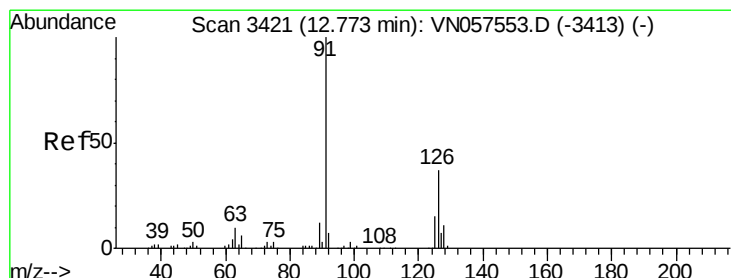
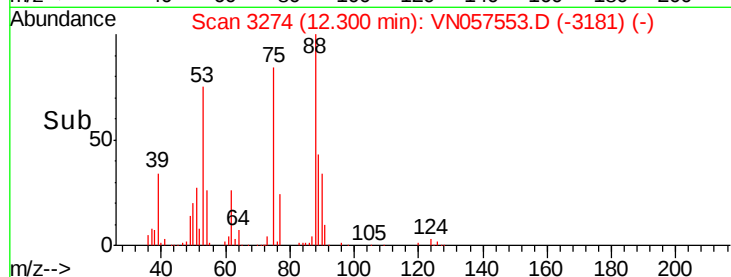
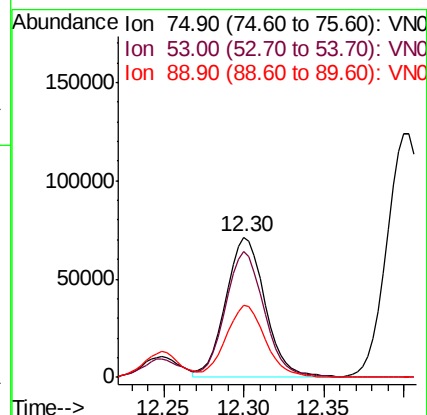
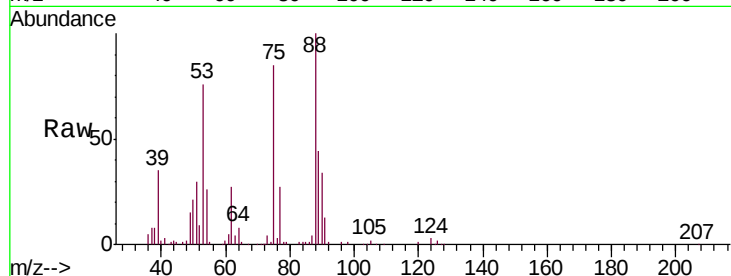
Tot Ion: 75 Resp: 117973

Ion Ratio Lower Upper

75 100

53 90.2 82.7 124.1

89 52.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 43.180 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057553.D

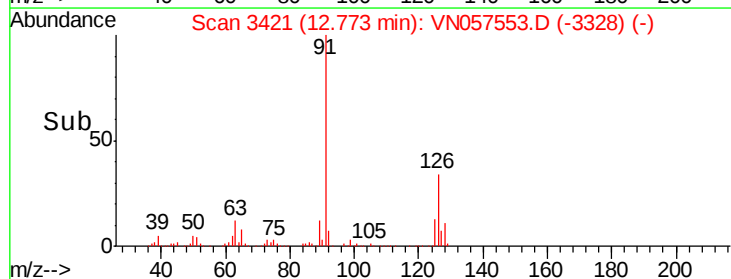
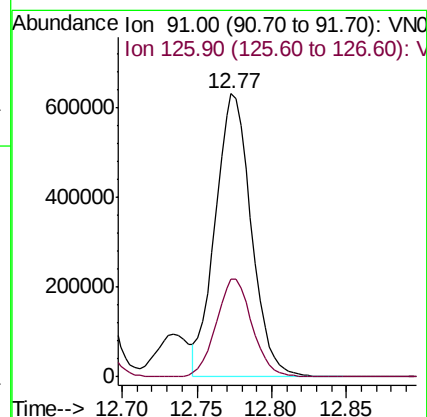
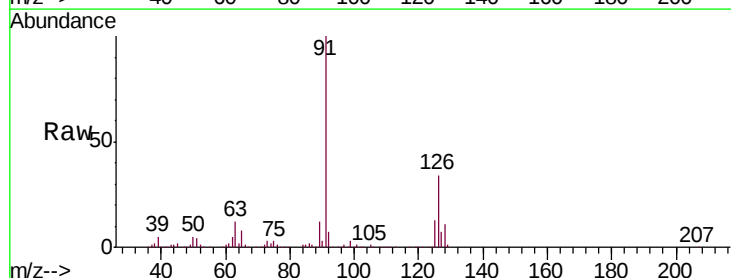
Acq: 29 Aug 2019 16:39

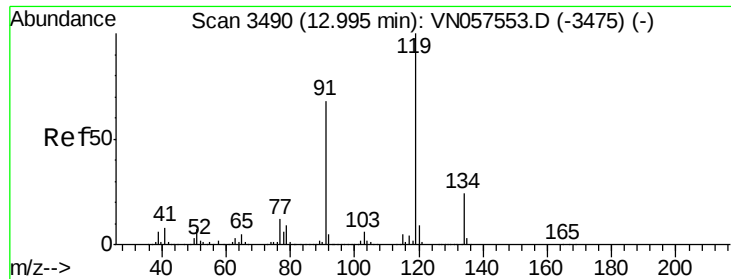
Tgt Ion: 91 Resp: 1056332

Ion Ratio Lower Upper

91 100

126 34.8 15.0 45.0

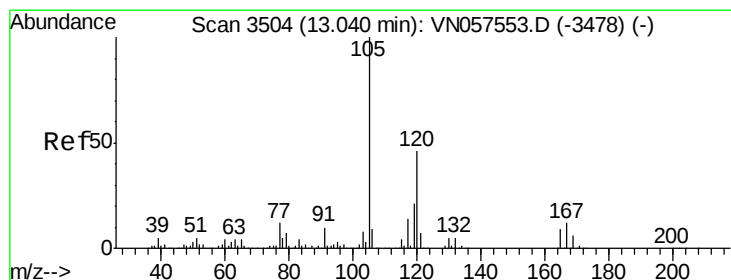
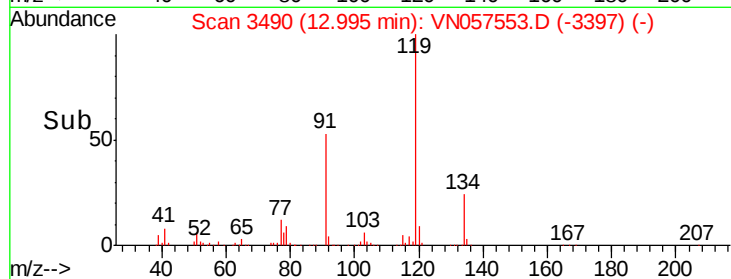
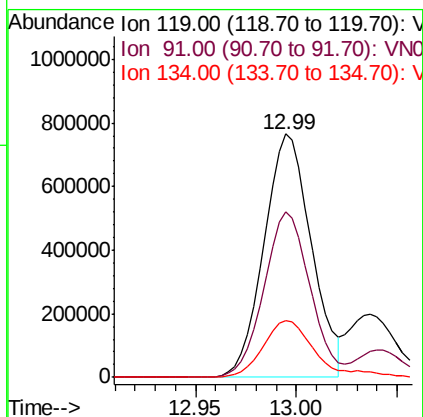
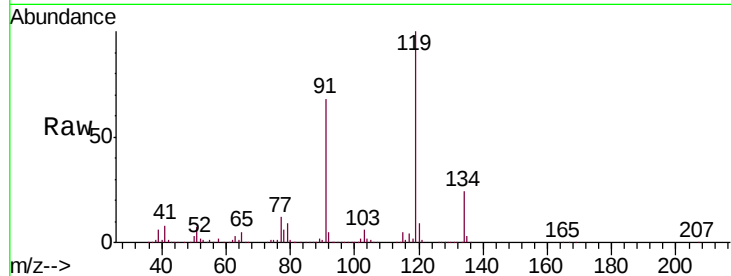




#83
 tert-Butylbenzene
 Concen: 43.315 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

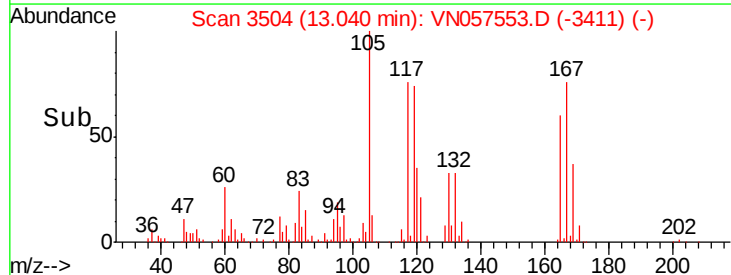
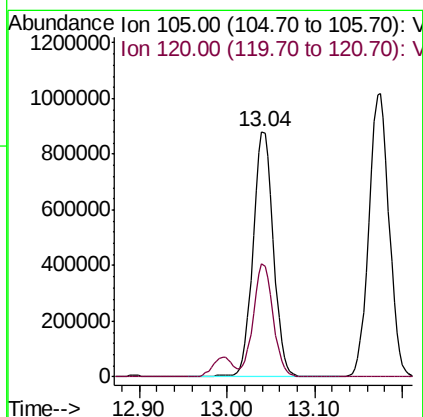
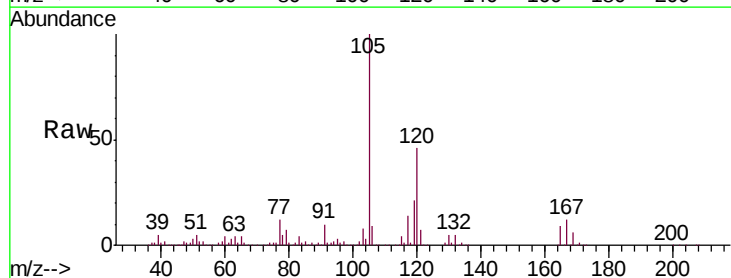
Instrument :
 MSVOA_N
 ClientSampled :

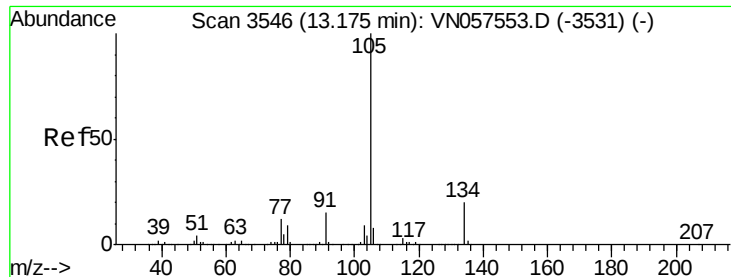
Tot Ion:119 Resp: 1250355
 Ion Ratio Lower Upper
 119 100
 91 66.1 37.0 111.0
 134 25.7 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.482 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion:105 Resp: 1418304
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 46.170 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

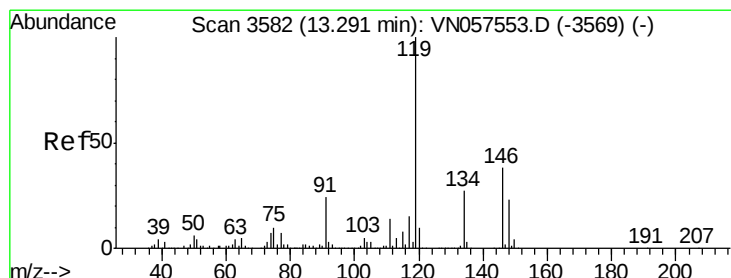
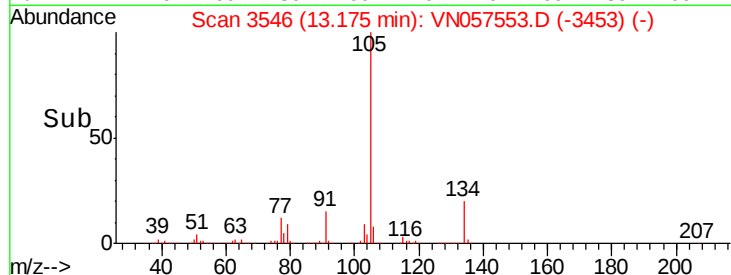
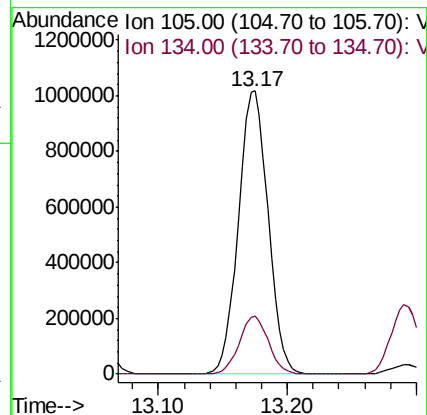
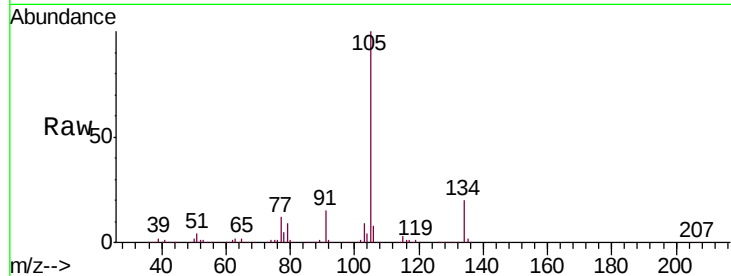
ClientSampled :

Tot Ion:105 Resp: 1624429

Ion Ratio Lower Upper

105 100

134 20.0 9.3 27.9



#86

p-Isopropyltoluene

Concen: 50.404 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

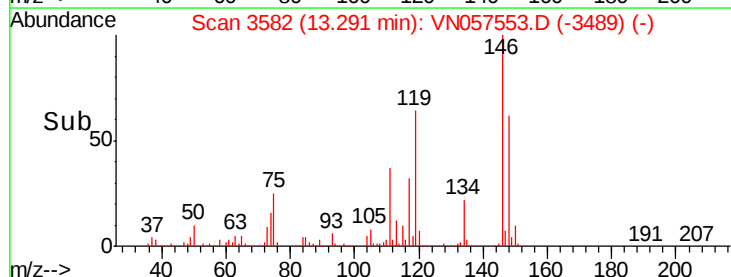
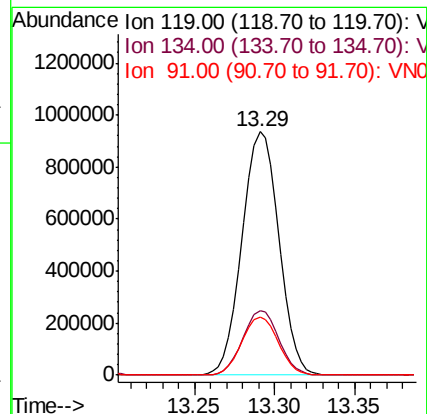
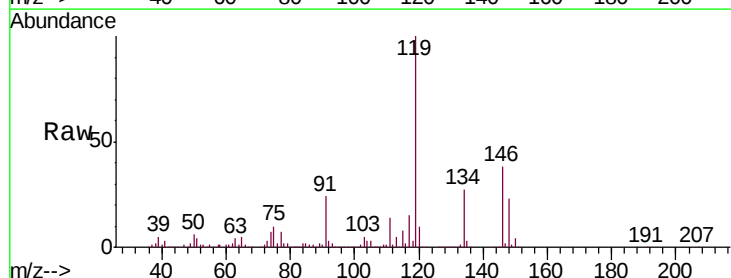
Tgt Ion:119 Resp: 1463618

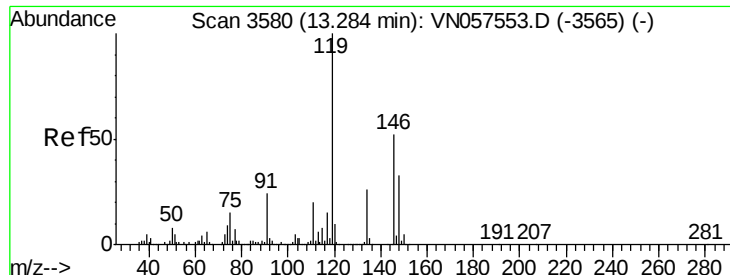
Ion Ratio Lower Upper

119 100

134 26.0 12.7 38.1

91 23.7 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 54.832 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

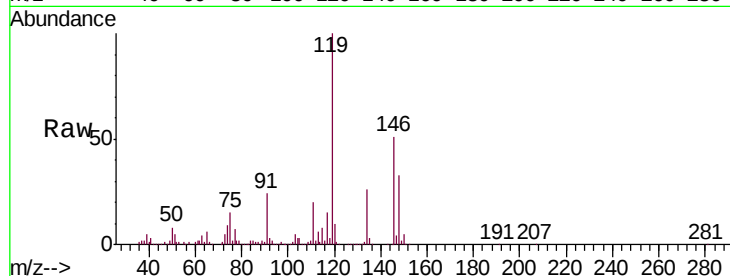
Tot Ion:146 Resp: 667638

Ion Ratio Lower Upper

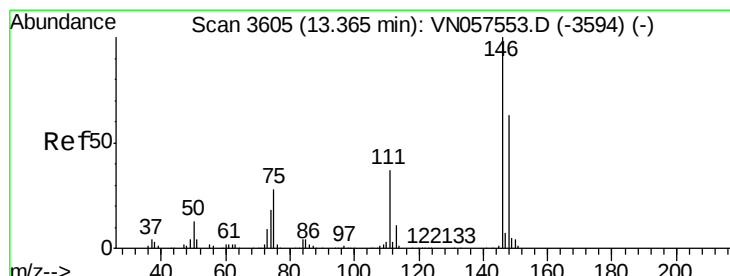
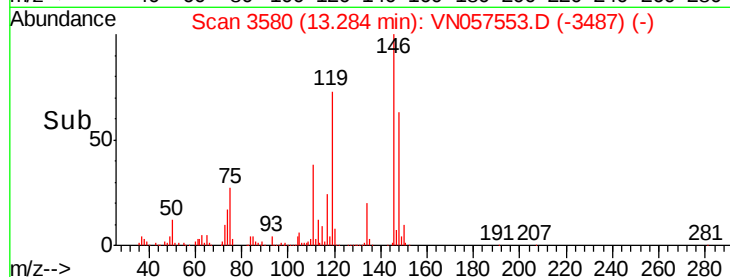
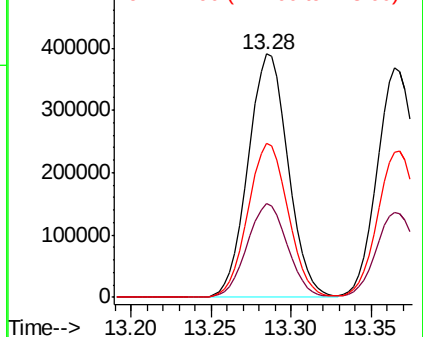
146 100

111 38.7 22.1 66.1

148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.486 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

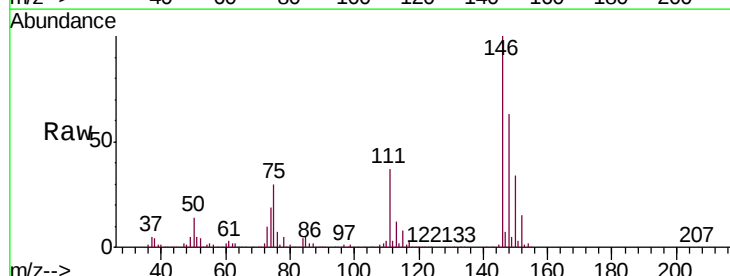
Tgt Ion:146 Resp: 634867

Ion Ratio Lower Upper

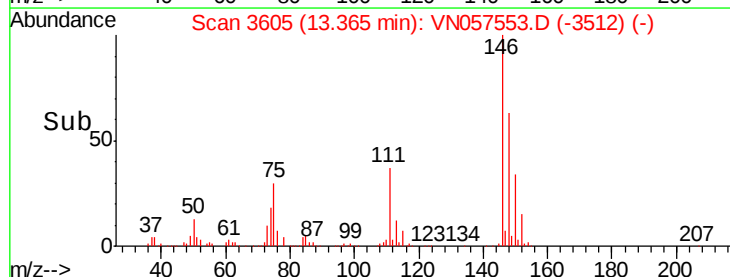
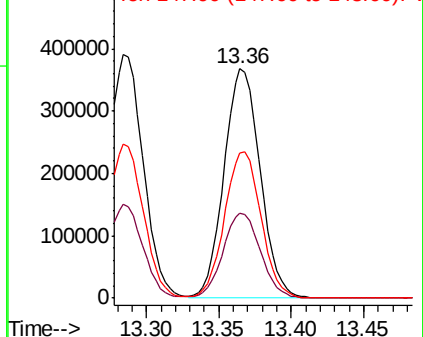
146 100

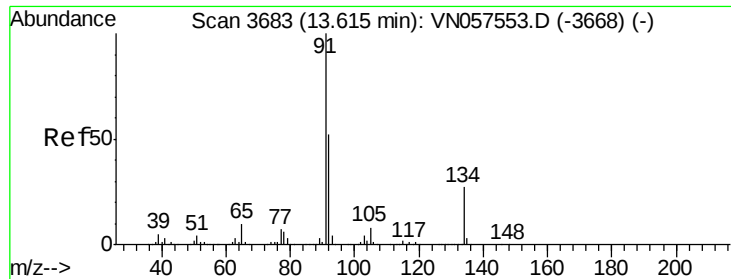
111 38.1 21.9 65.5

148 64.6 31.1 93.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.735 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

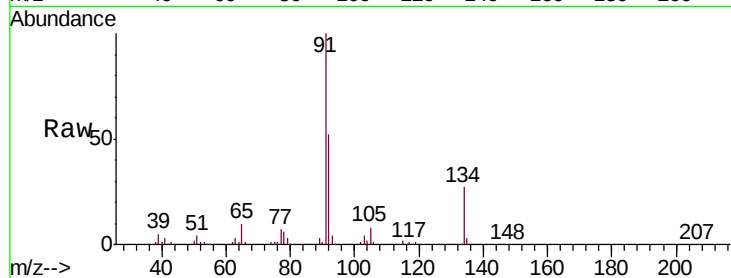
Tot Ion: 91 Resp: 1124094

Ion Ratio Lower Upper

91 100

92 51.4 25.7 77.0

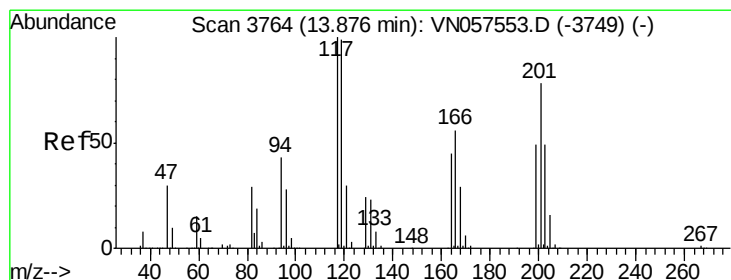
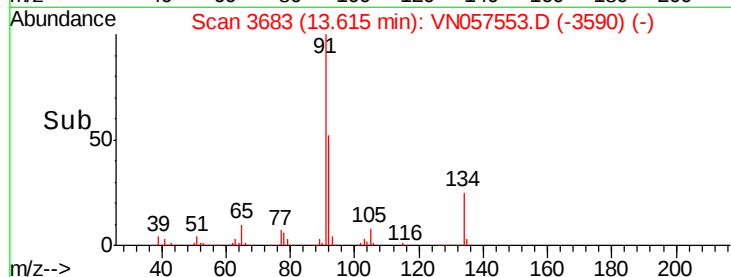
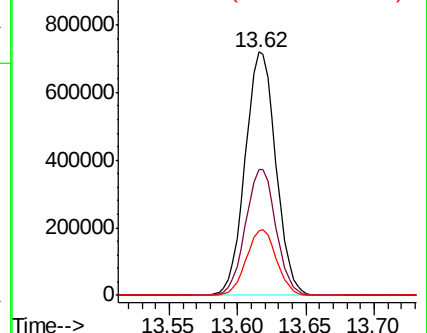
134 26.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN057553.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057553.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057553.D (-3668) (-)



#90

Hexachloroethane

Concen: 40.461 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057553.D

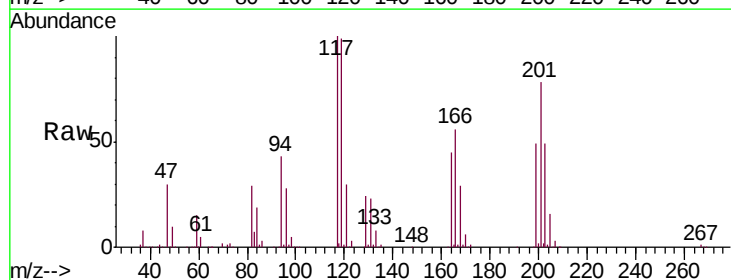
Acq: 29 Aug 2019 16:39

Tgt Ion: 117 Resp: 266127

Ion Ratio Lower Upper

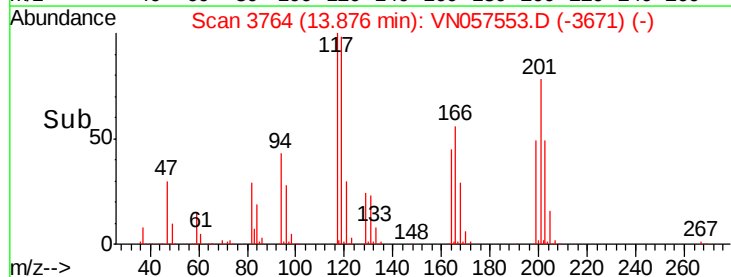
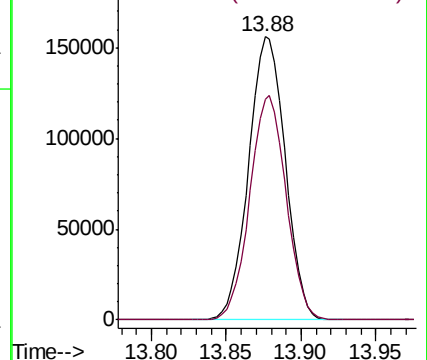
117 100

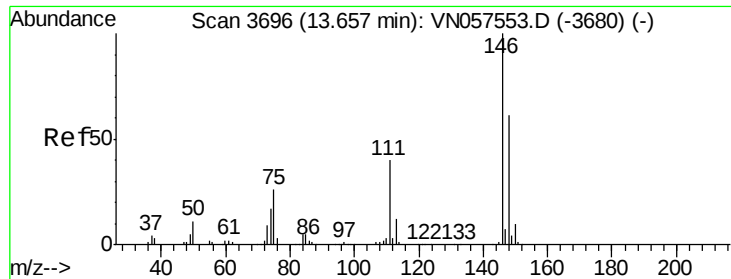
201 78.4 33.1 99.3



Abundance Ion 116.80 (116.50 to 117.50): VN057553.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057553.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 55.408 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

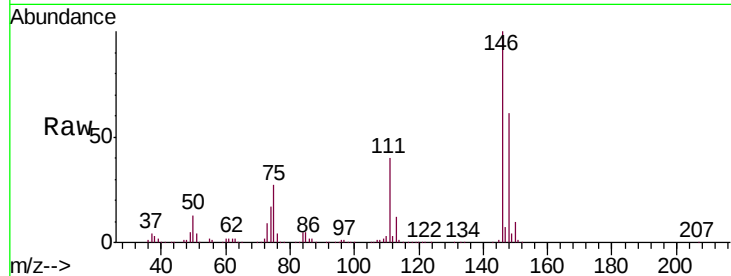
Tot Ion:146 Resp: 643438

Ion Ratio Lower Upper

146 100

111 40.1 23.1 69.2

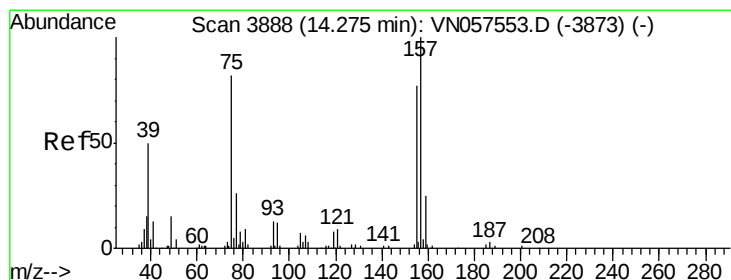
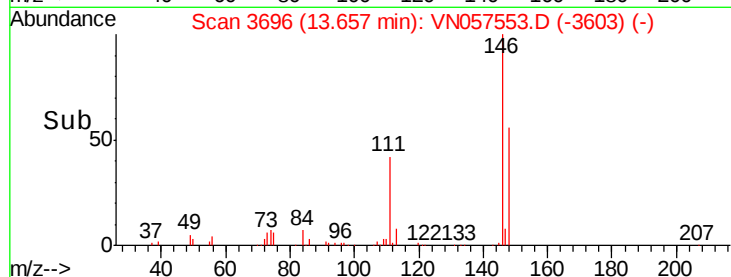
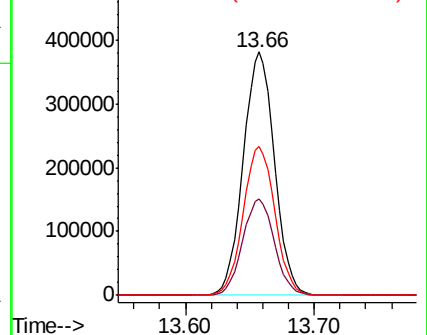
148 62.2 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 34.746 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

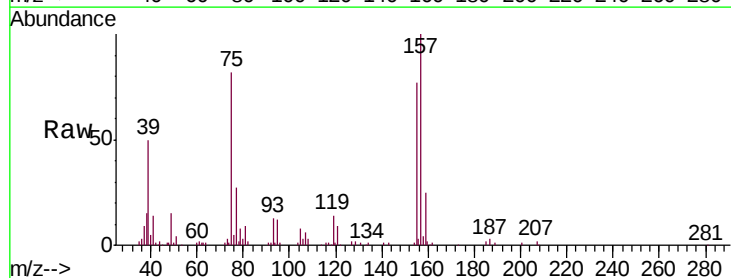
Tgt Ion: 75 Resp: 65431

Ion Ratio Lower Upper

75 100

155 90.1 31.6 94.7

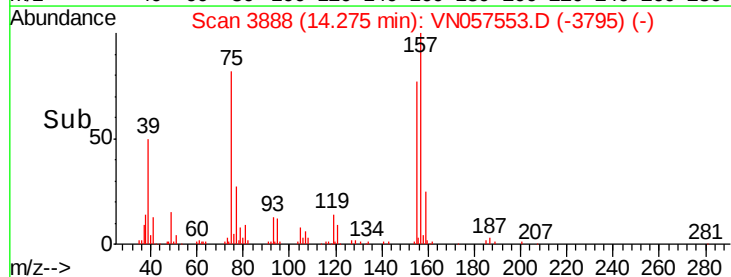
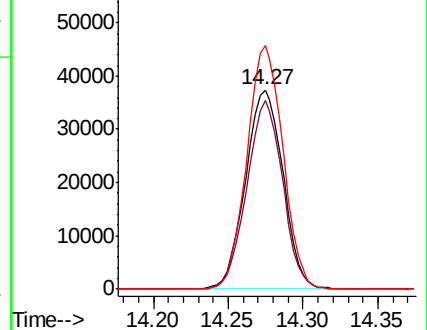
157 117.2 43.3 129.8

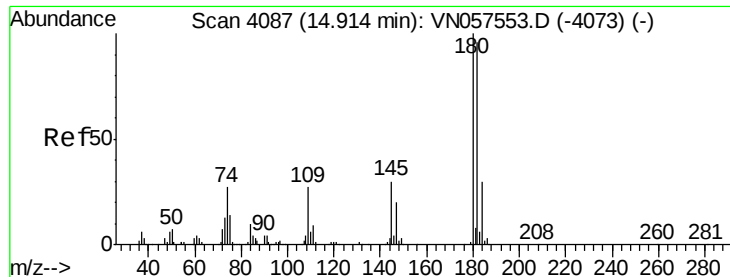


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

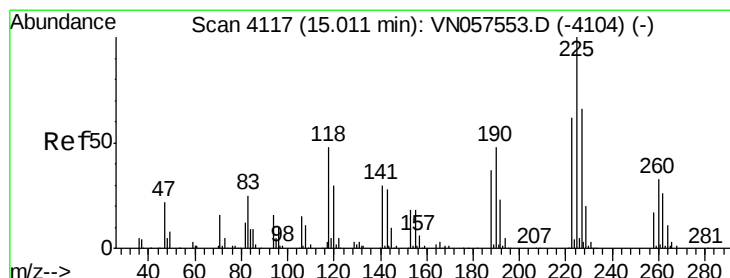
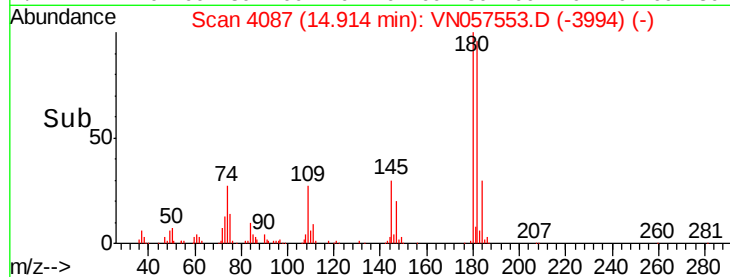
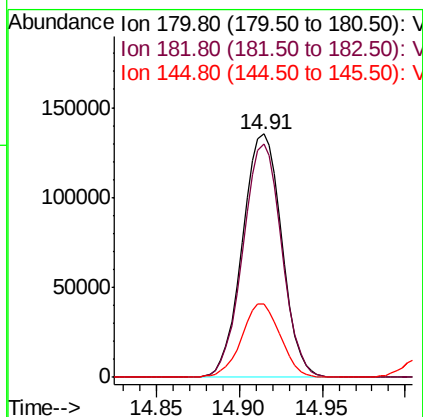
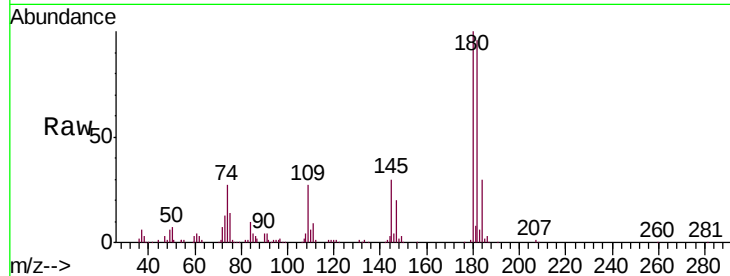




#93
 1,2,4-Trichlorobenzene
 Concen: 52.711 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

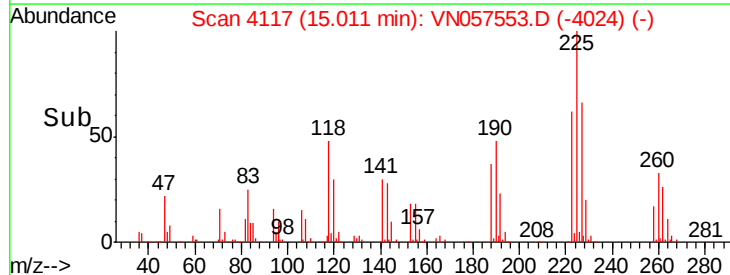
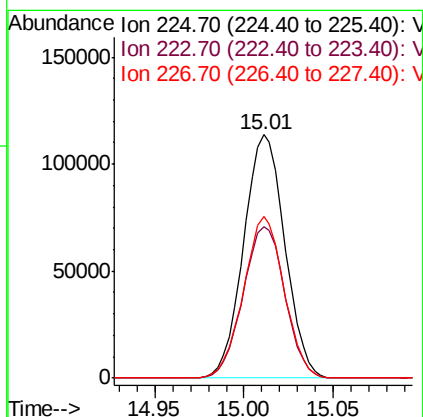
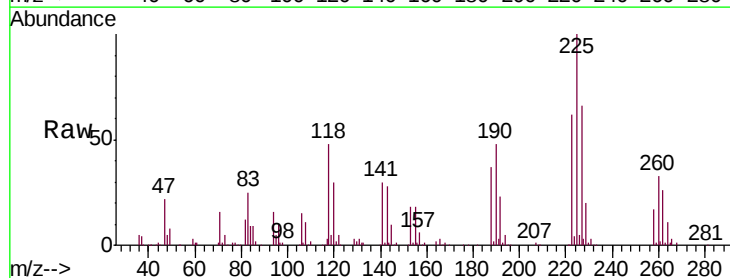
Instrument :
 MSVOA_N
 ClientSampleId :

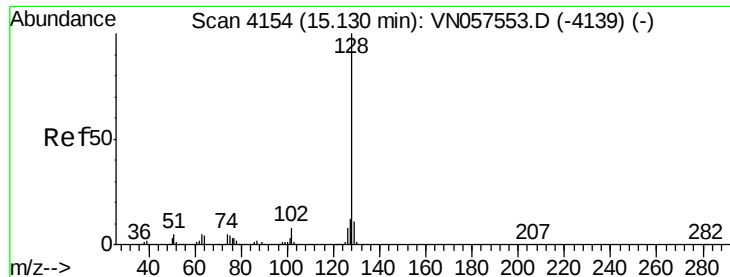
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.7	140.1
145	29.7	15.6	46.8



#94
 Hexachlorobutadiene
 Concen: 50.610 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057553.D
 Acq: 29 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.0	96.2
227	65.4	31.5	94.5





#95

Naphthalene

Concen: 47.489 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

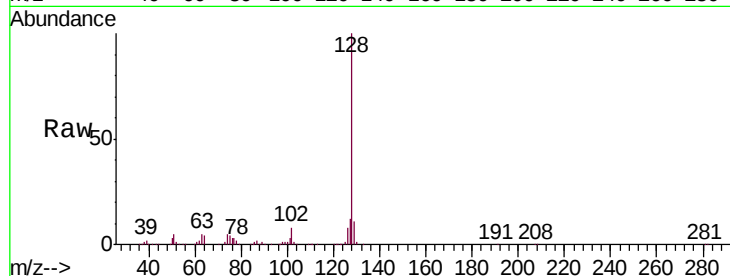
Tot Ion:128 Resp: 653794

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

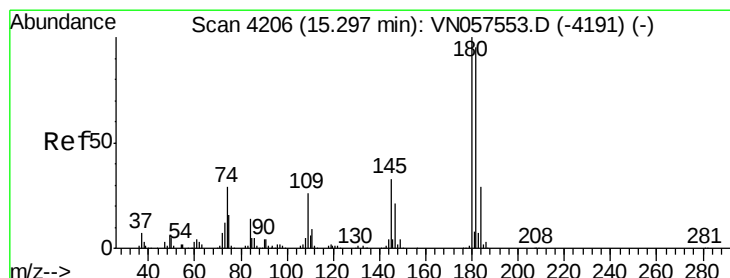
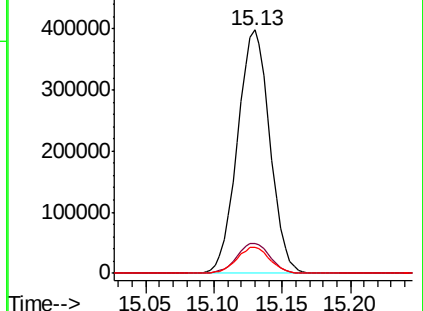
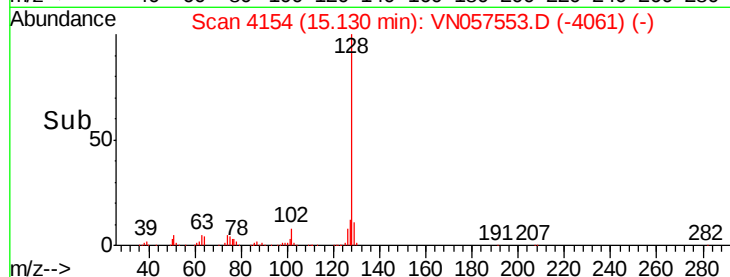
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.352 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057553.D

Acq: 29 Aug 2019 16:39

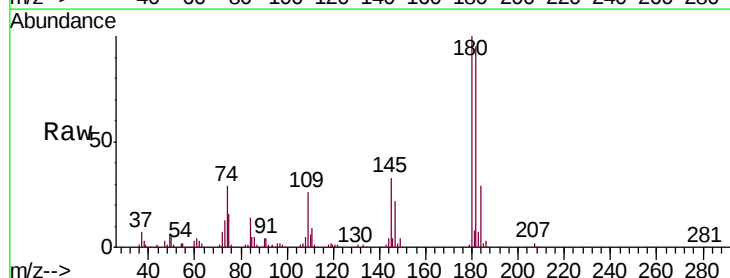
Tgt Ion:180 Resp: 217187

Ion Ratio Lower Upper

180 100

182 96.3 46.7 140.1

145 33.2 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

