

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057551.D
 Acq On : 29 Aug 2019 15:48
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 17:29:09 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	412805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	653016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	188866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	33082	4.65	ug/l	0.00
Spiked Amount			Recovery	=	9.30%	
35) Dibromofluoromethane	7.58	113	30156	6.43	ug/l	0.00
Spiked Amount			Recovery	=	12.86%	
50) Toluene-d8	10.08	98	92029	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
62) 4-Bromofluorobenzene	12.40	95	31031	5.14	ug/l	0.00
Spiked Amount			Recovery	=	10.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	22971	4.766	ug/l	95
3) Chloromethane	2.06	50	24333	3.684	ug/l	97
4) Vinyl Chloride	2.18	62	36149	4.399	ug/l	100
5) Bromomethane	2.55	94	33253	6.155	ug/l	98
6) Chloroethane	2.69	64	24721	4.634	ug/l	98
7) Trichlorofluoromethane	3.01	101	75479	5.631	ug/l	97
8) Diethyl Ether	3.40	74	26772	5.420	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.74	101	45420	6.033	ug/l #	83
10) Methyl Iodide	3.93	142	69410	9.869	ug/l	95
11) Tert butyl alcohol	4.79	59	8825	10.270	ug/l	98
12) 1,1-Dichloroethene	3.72	96	41063	5.672	ug/l #	76
13) Acrolein	3.59	56	17352	23.270	ug/l	95
14) Allyl chloride	4.30	41	31574	3.295	ug/l #	85
15) Acrylonitrile	4.98	53	42456	18.321	ug/l	98
16) Acetone	3.81	43	76555	22.281	ug/l	94
17) Carbon Disulfide	4.02	76	53974	4.127	ug/l	96
18) Methyl Acetate	4.31	43	26209	3.227	ug/l #	85
19) Methyl tert-butyl Ether	5.03	73	75655	4.497	ug/l	100
20) Methylene Chloride	4.53	84	27029	4.998	ug/l #	83
21) trans-1,2-Dichloroethene	5.01	96	26097	5.221	ug/l #	77
22) Diisopropyl ether	5.94	45	66015	3.492	ug/l #	85
23) Vinyl Acetate	5.88	43	268395	18.085	ug/l #	89
24) 1,1-Dichloroethane	5.82	63	45729	4.437	ug/l	99
25) 2-Butanone	6.83	43	55975	16.374	ug/l #	84
26) 2,2-Dichloropropane	6.81	77	45432	4.945	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	31496	5.293	ug/l	83
28) Bromochloromethane	7.18	49	19558	3.677	ug/l #	57
29) Tetrahydrofuran	7.21	42	34365	15.396	ug/l #	74
30) Chloroform	7.36	83	54571	4.940	ug/l	97
31) Cyclohexane	7.64	56	46879	4.812	ug/l #	72
32) 1,1,1-Trichloroethane	7.55	97	47428	5.131	ug/l	95
36) 1,1-Dichloropropene	7.78	75	35624	5.205	ug/l #	82
37) Ethyl Acetate	6.93	43	22016	3.481	ug/l #	88
38) Carbon Tetrachloride	7.76	117	40495	5.775	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057551.D
 Acq On : 29 Aug 2019 15:48
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 17:29:09 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)
39) Methylcyclohexane	9.07	83	45688	5.566	ug/l	90
40) Benzene	8.03	78	109421	5.315	ug/l	99
41) Methacrylonitrile	7.16	41	11503	3.845	ug/l #	79
42) 1,2-Dichloroethane	8.11	62	39269	5.022	ug/l	97
43) Isopropyl Acetate	8.16	43	42870	3.675	ug/l #	90
44) Trichloroethene	8.82	130	30679	6.430	ug/l	86
45) 1,2-Dichloropropane	9.11	63	24724	4.388	ug/l	97
46) Dibromomethane	9.20	93	19475	5.229	ug/l #	81
47) Bromodichloromethane	9.40	83	40093	5.204	ug/l	98
48) Methyl methacrylate	9.20	41	21886	3.969	ug/l #	85
49) 1,4-Dioxane	9.19	88	7876	104.325	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	122231	18.866	ug/l	92
52) Toluene	10.15	92	67215	5.516	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	37359	4.667	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	40738	4.590	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	26192	5.341	ug/l	98
56) Ethyl methacrylate	10.43	69	34422	4.634	ug/l #	86
57) 1,3-Dichloropropane	10.70	76	42825	5.143	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	37726	21.480	ug/l #	84
59) 2-Hexanone	10.75	43	79015	17.746	ug/l	83
60) Dibromochloromethane	10.90	129	27933	5.272	ug/l	100
61) 1,2-Dibromoethane	11.00	107	26147	5.382	ug/l	97
64) Tetrachloroethene	10.63	164	30658	7.294	ug/l	93
65) Chlorobenzene	11.43	112	70654	5.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	27618	6.009	ug/l	97
67) Ethyl Benzene	11.51	91	125999	5.564	ug/l	99
68) m/p-Xylenes	11.62	106	91245	11.594	ug/l	90
69) o-Xylene	11.95	106	45628	5.878	ug/l	92
70) Styrene	11.96	104	65124	5.291	ug/l	98
71) Bromoform	12.13	173	16877	5.406	ug/l #	97
73) Isopropylbenzene	12.25	105	119399	5.654	ug/l	95
74) N-amyl acetate	12.07	43	30626	3.388	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.51	83	28715	4.741	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	37471	8.001	ug/l #	100
77) Bromobenzene	12.53	156	26440	6.164	ug/l	81
78) n-propylbenzene	12.59	91	117170	5.269	ug/l	94
79) 2-Chlorotoluene	12.68	91	69295	5.229	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	92278	5.517	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	7073	3.973	ug/l #	87
82) 4-Chlorotoluene	12.77	91	62759	4.955	ug/l	91
83) tert-Butylbenzene	12.99	119	89466	5.986	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	79628	5.366	ug/l	99
85) sec-Butylbenzene	13.17	105	100306	5.507	ug/l	100
86) p-Isopropyltoluene	13.29	119	84475	5.619	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	33209	5.268	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	32868	5.348	ug/l	96
89) n-Butylbenzene	13.62	91	60947	4.894	ug/l	98
90) Hexachloroethane	13.88	117	17012	4.996	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	29919	4.976	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4079	4.184	ug/l	78

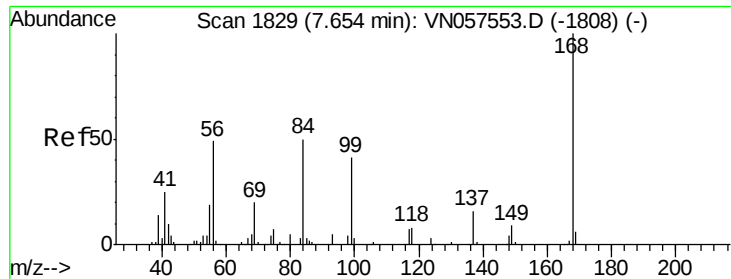
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
Data File : VN057551.D
Acq On : 29 Aug 2019 15:48
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 29 17:29:09 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)
93) 1,2,4-Trichlorobenzene	14.91	180	8402	3.821	ug/l	98
94) Hexachlorobutadiene	15.01	225	12393	6.610	ug/l	94
95) Naphthalene	15.13	128	25915	3.636	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	8426	3.698	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

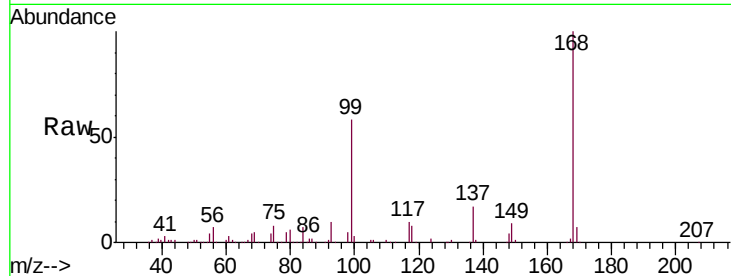
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 412805

Ion Ratio Lower Upper

168 100

99 57.9 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

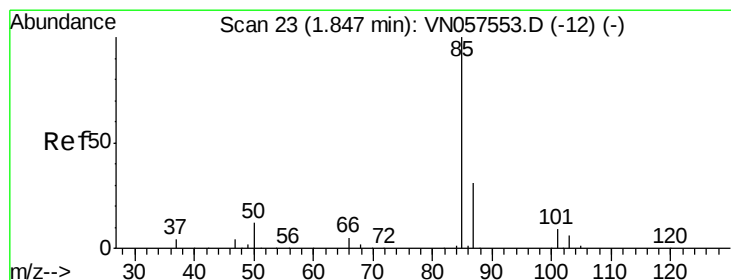
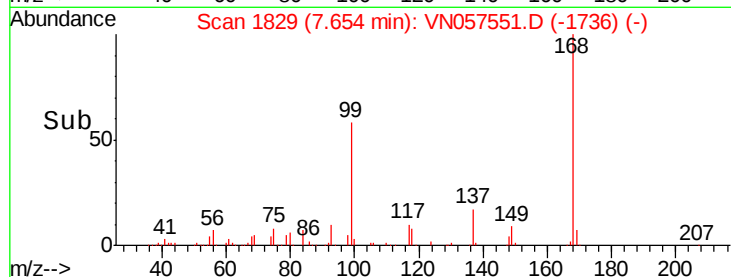
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.766 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057551.D

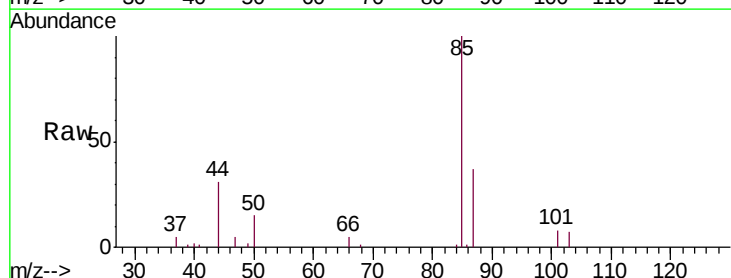
Acq: 29 Aug 2019 15:48

Tgt Ion: 85 Resp: 22971

Ion Ratio Lower Upper

85 100

87 36.9 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

20000

15000

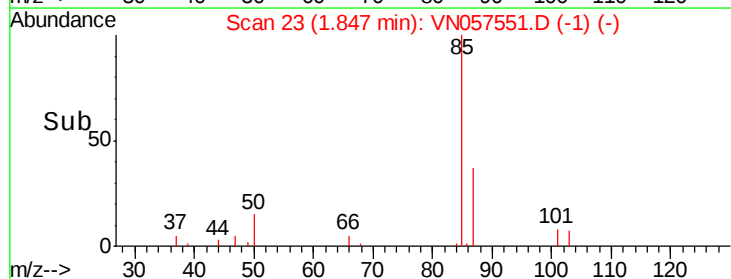
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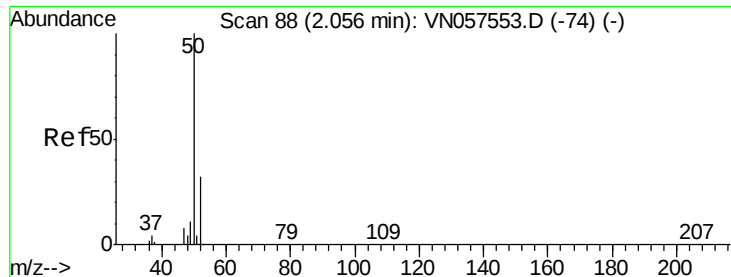
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 3.684 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

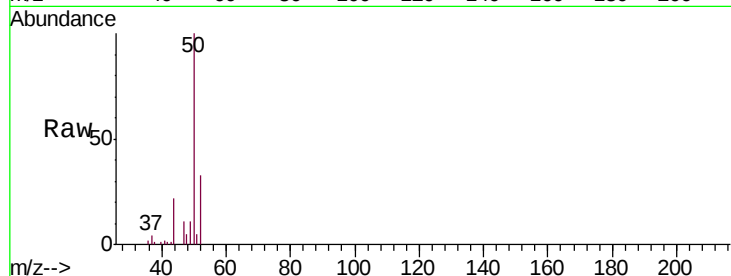
ClientSampleId :

Tot Ion: 50 Resp: 24333

Ion Ratio Lower Upper

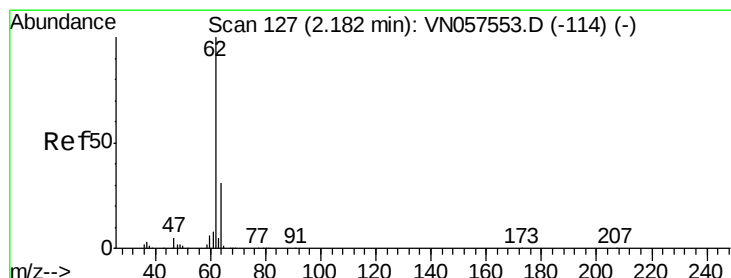
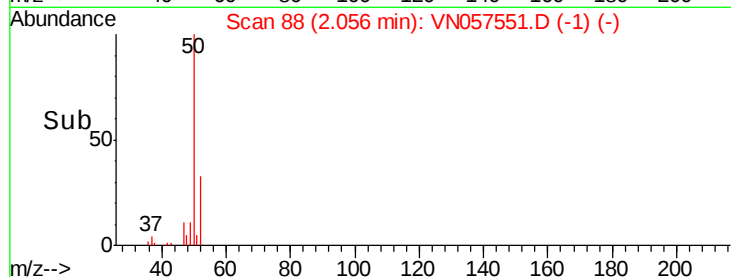
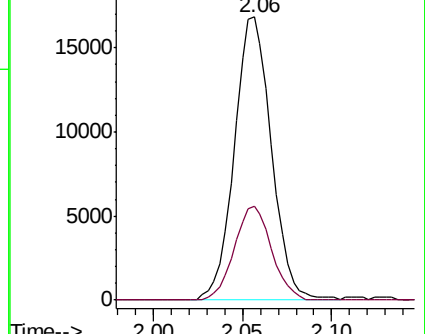
50 100

52 33.2 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.399 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057551.D

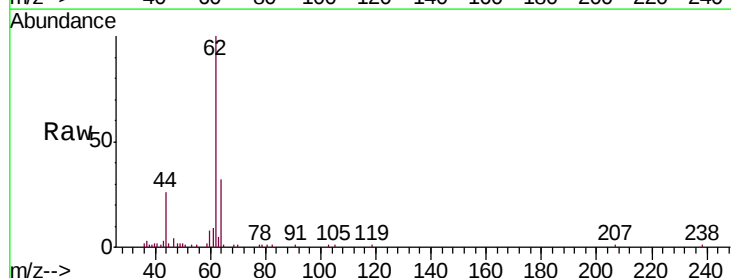
Acq: 29 Aug 2019 15:48

Tgt Ion: 62 Resp: 36149

Ion Ratio Lower Upper

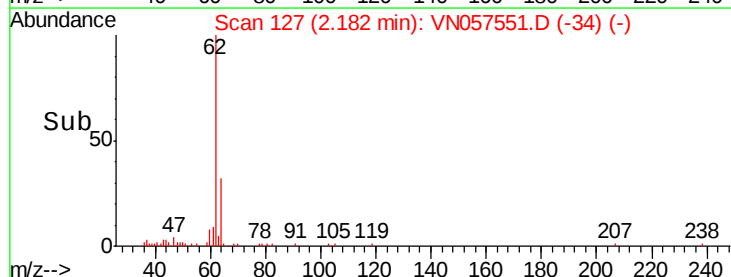
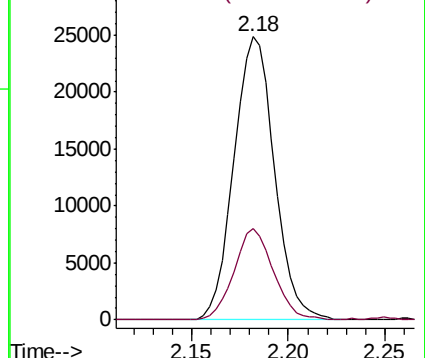
62 100

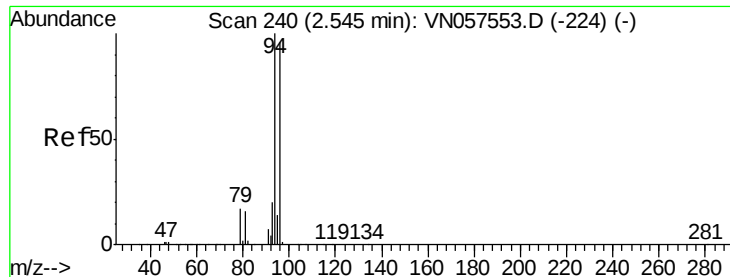
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 6.155 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

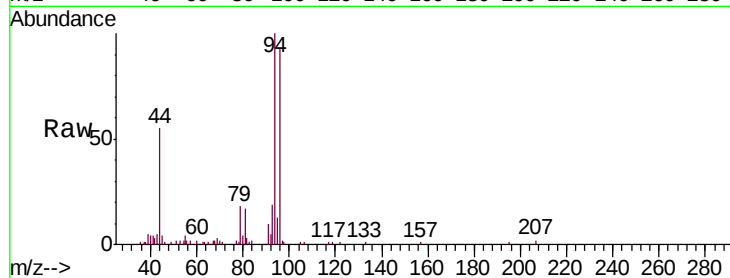
ClientSampled :

Tot Ion: 94 Resp: 33253

Ion Ratio Lower Upper

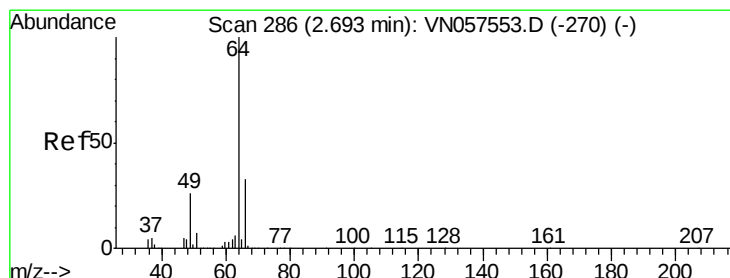
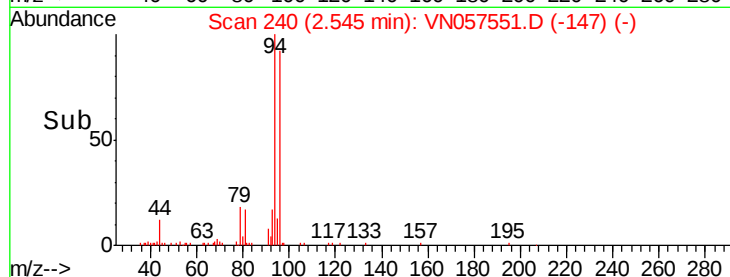
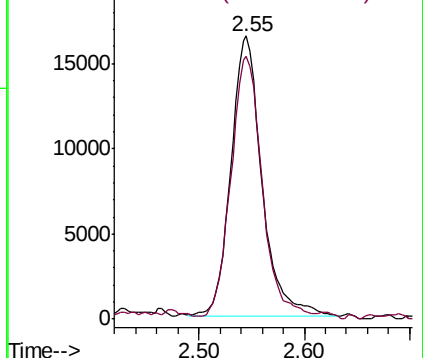
94 100

96 93.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.634 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.00 min

Lab File: VN057551.D

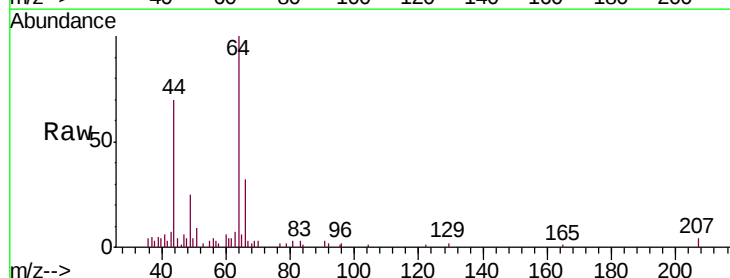
Acq: 29 Aug 2019 15:48

Tgt Ion: 64 Resp: 24721

Ion Ratio Lower Upper

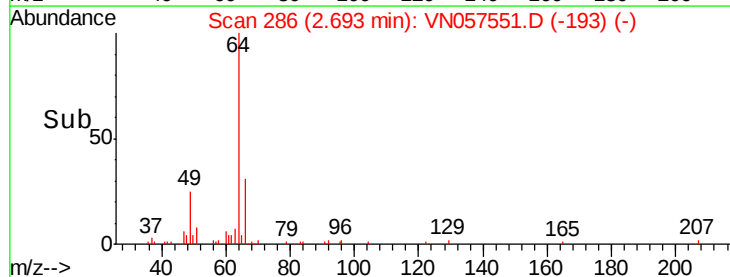
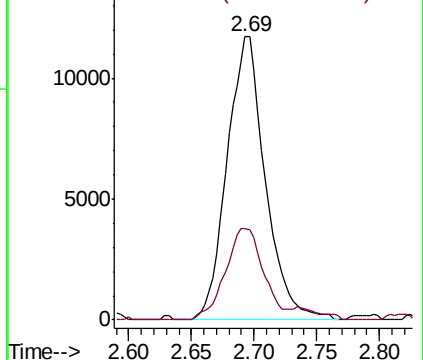
64 100

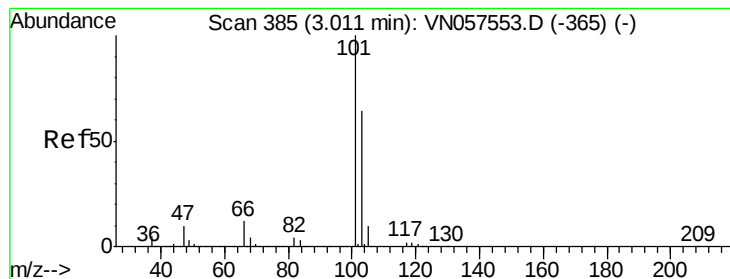
66 32.4 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



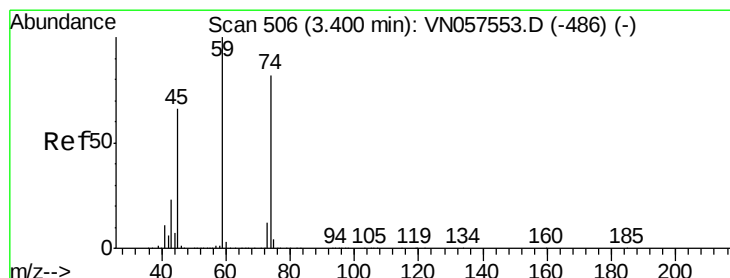
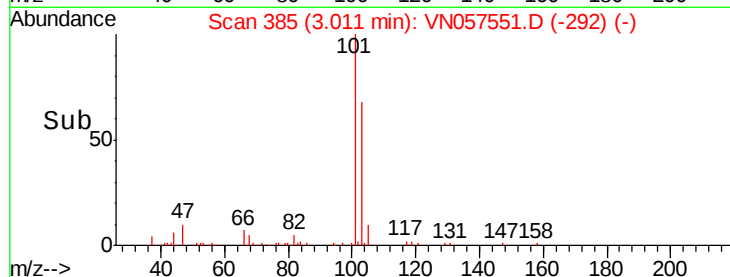
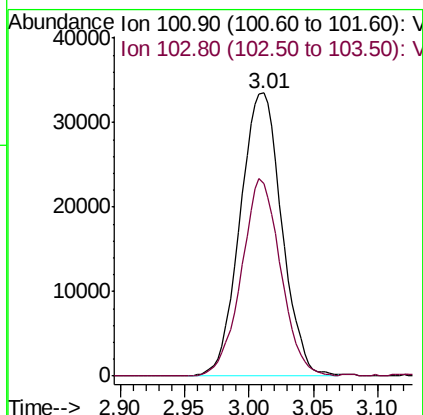
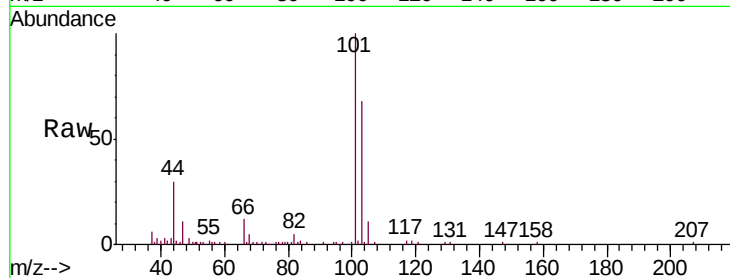


#7

Trichlorofluoromethane
Concen: 5.631 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :

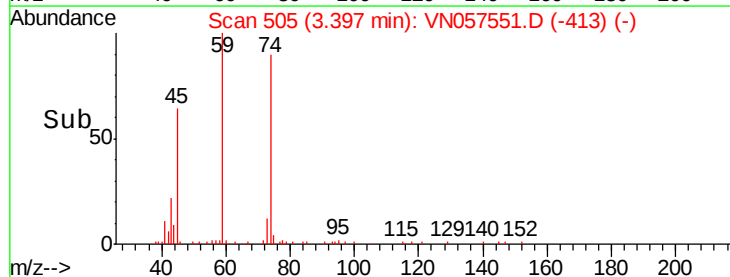
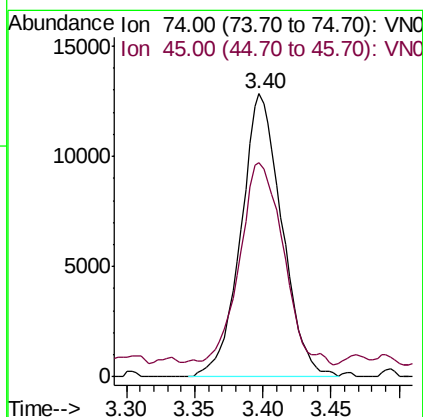
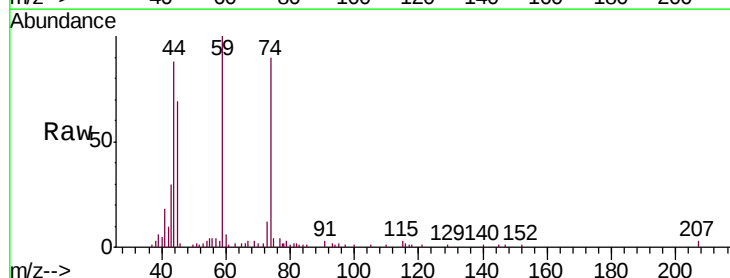
Tot Ion:101 Resp: 75479
Ion Ratio Lower Upper
101 100
103 68.2 52.6 78.8

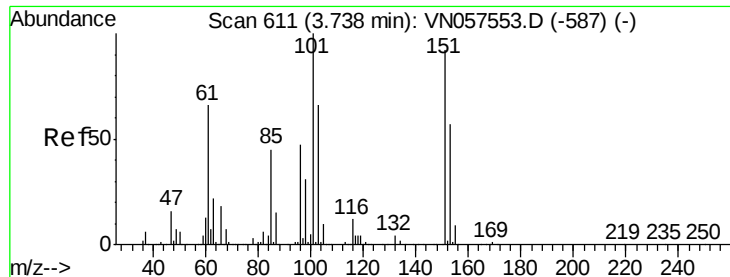


#8

Diethyl Ether
Concen: 5.420 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 74 Resp: 26772
Ion Ratio Lower Upper
74 100
45 75.9 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.033 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

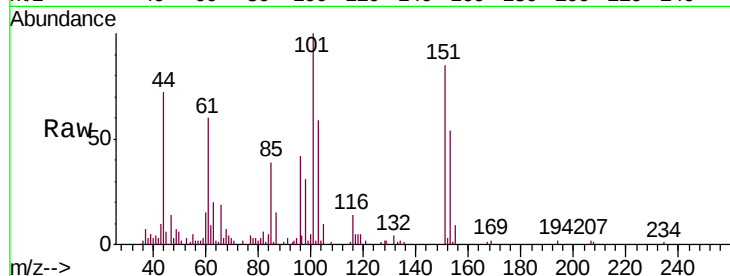
Tot Ion:101 Resp: 45420

Ion Ratio Lower Upper

101 100

85 44.3 40.0 60.0

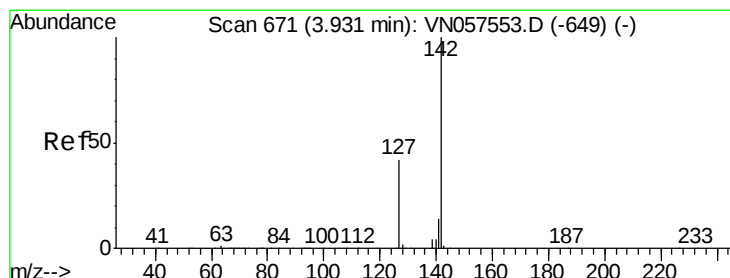
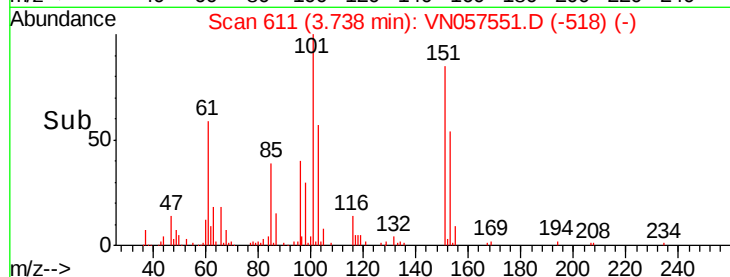
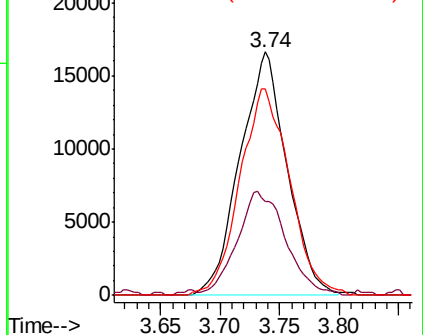
151 90.0 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.869 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

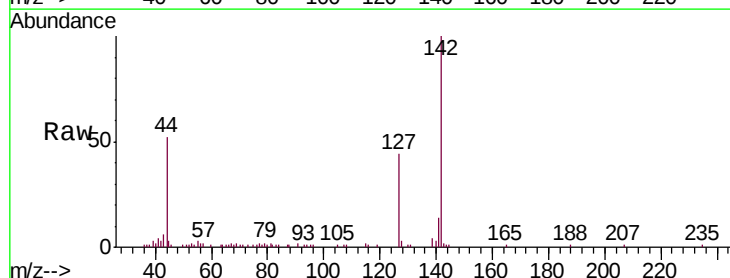
Tgt Ion:142 Resp: 69410

Ion Ratio Lower Upper

142 100

127 42.9 37.8 56.8

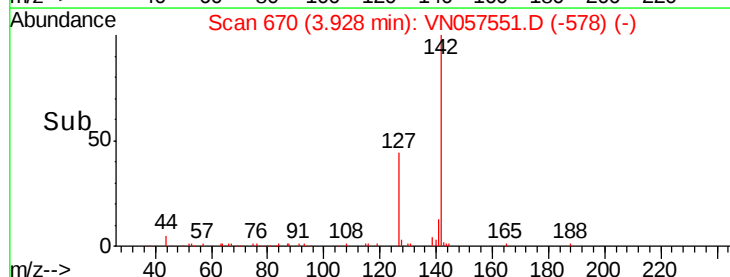
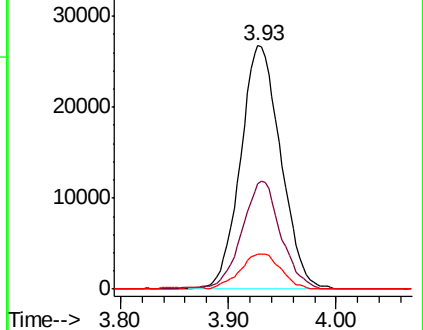
141 14.8 11.9 17.9

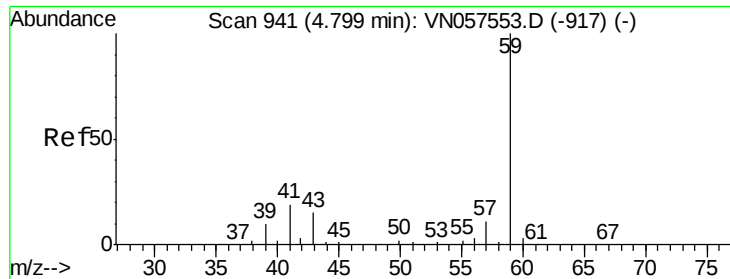


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

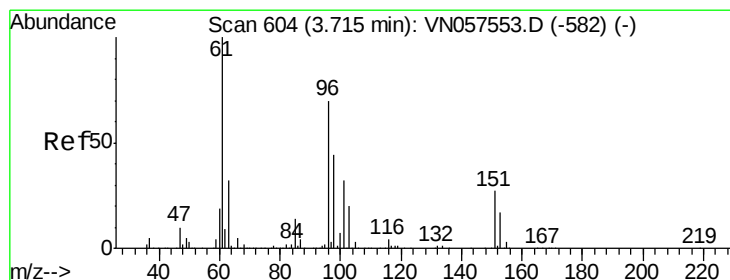
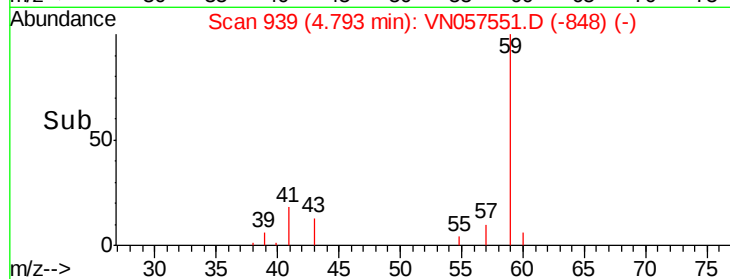
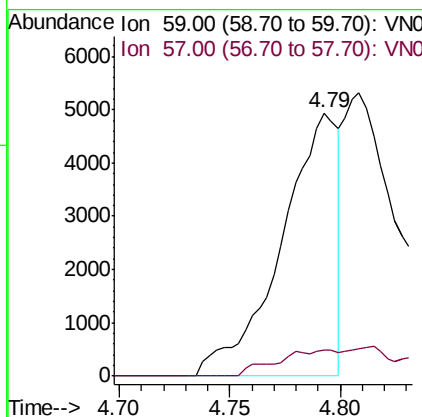
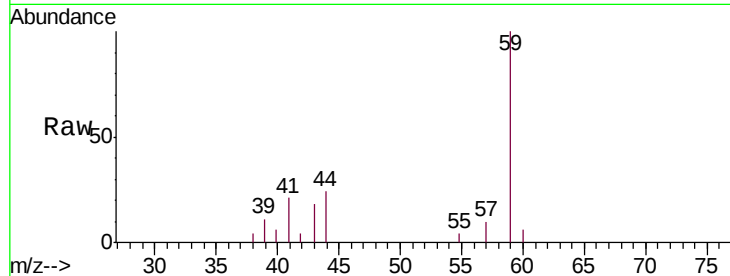




#11
Tert butyl alcohol
Concen: 10.270 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.01 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

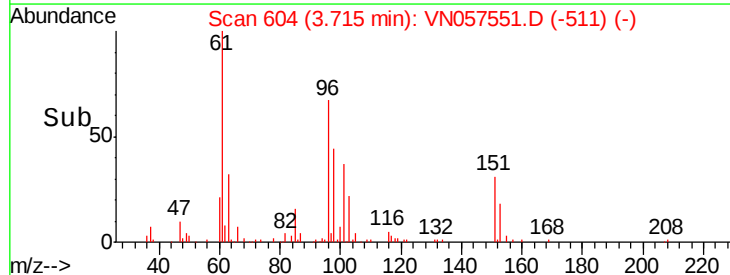
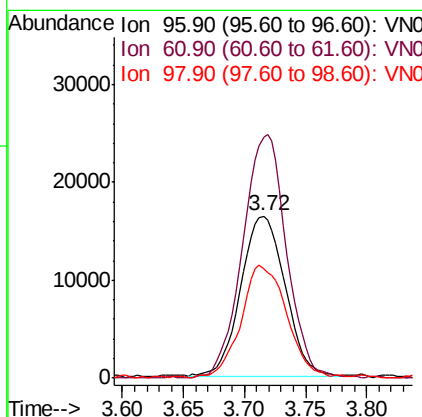
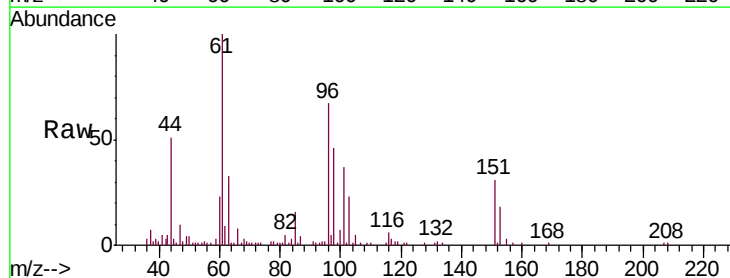
Instrument :
MSVOA_N
ClientSampled :

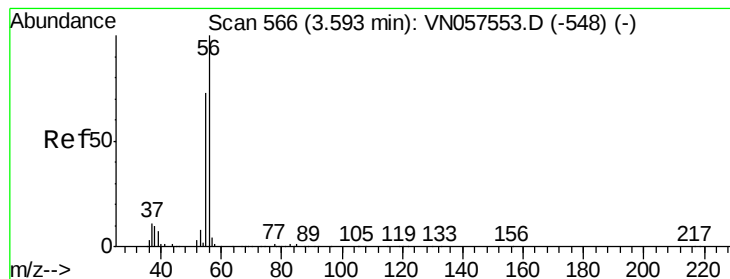
Tot Ion: 59 Resp: 8825
Ion Ratio Lower Upper
59 100
57 10.7 9.1 13.7



#12
1,1-Dichloroethene
Concen: 5.672 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 96 Resp: 41063
Ion Ratio Lower Upper
96 100
61 150.5 155.3 232.9#
98 68.5 50.2 75.2





#13

Acrolein

Concen: 23.270 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

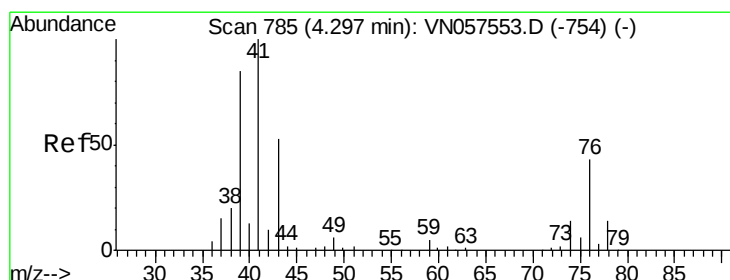
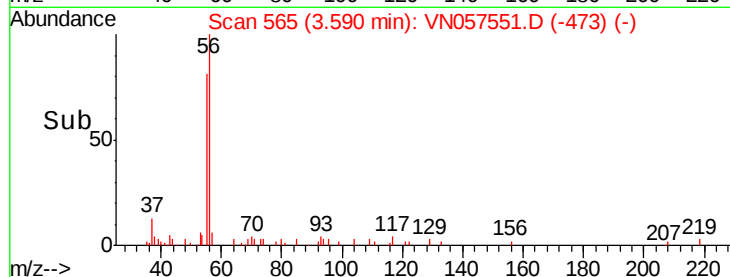
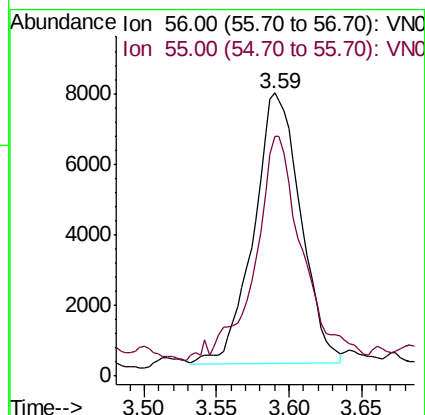
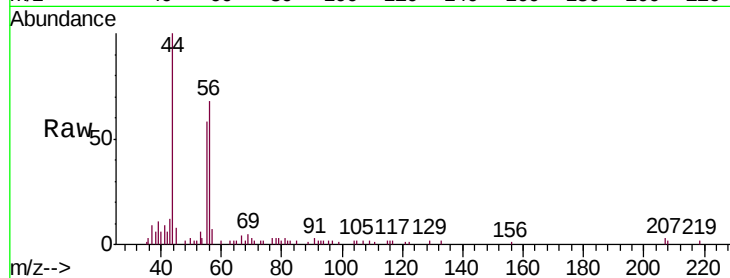
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 17352

Ion Ratio Lower Upper

56 100

55 77.6 59.0 88.4



#14

Allyl chloride

Concen: 3.295 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

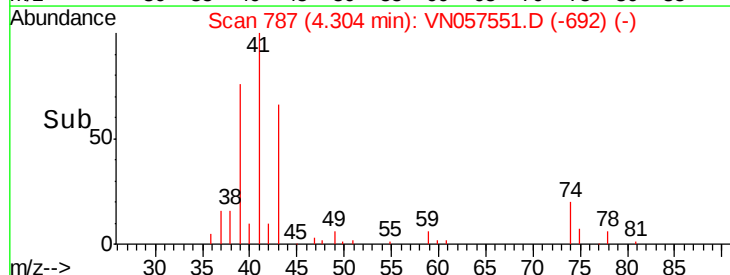
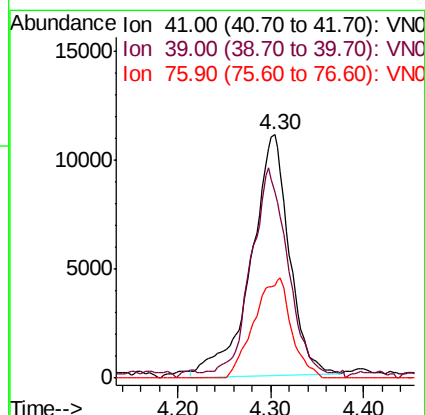
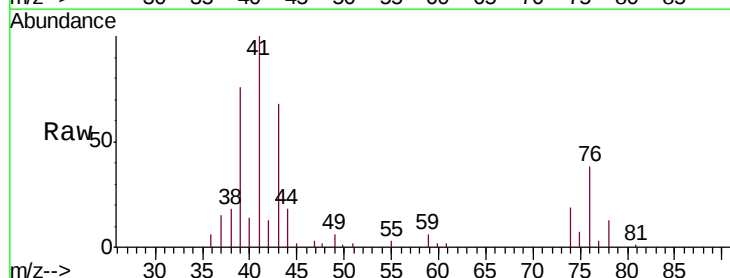
Tgt Ion: 41 Resp: 31574

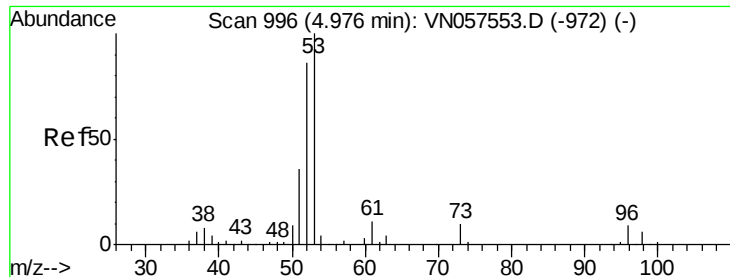
Ion Ratio Lower Upper

41 100

39 82.0 57.4 86.2

76 40.5 22.9 34.3#





#15

Acrylonitrile

Concen: 18.321 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.01 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

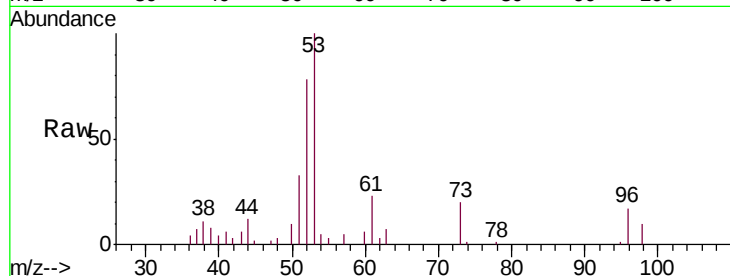
Tot Ion: 53 Resp: 42456

Ion Ratio Lower Upper

53 100

52 85.5 67.0 100.6

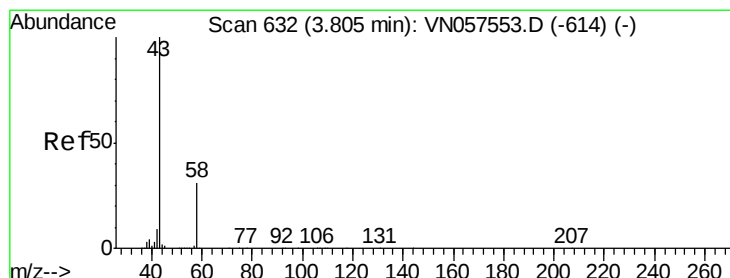
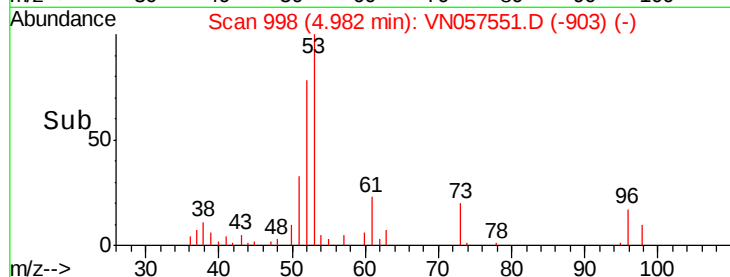
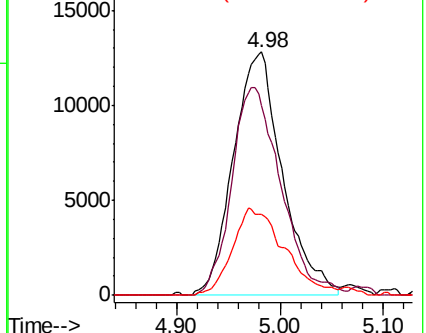
51 38.0 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN057551.D (-998) (-)

Ion 52.00 (51.70 to 52.70): VN057551.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VN057551.D (-998) (-)



#16

Acetone

Concen: 22.281 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057551.D

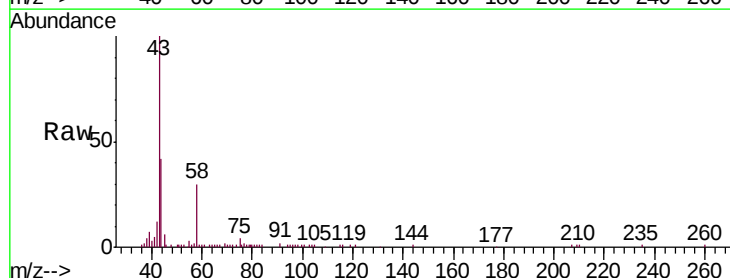
Acq: 29 Aug 2019 15:48

Tgt Ion: 43 Resp: 76555

Ion Ratio Lower Upper

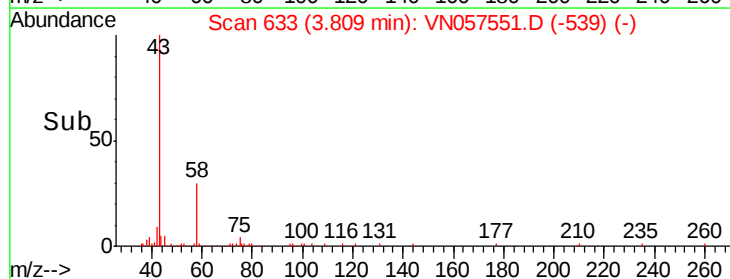
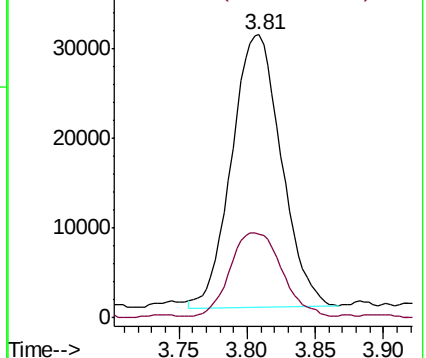
43 100

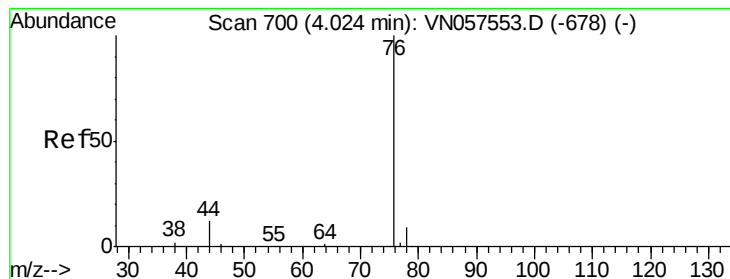
58 30.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN057551.D (-633) (-)

Ion 58.00 (57.70 to 58.70): VN057551.D (-633) (-)





#17

Carbon Disulfide

Concen: 4.127 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

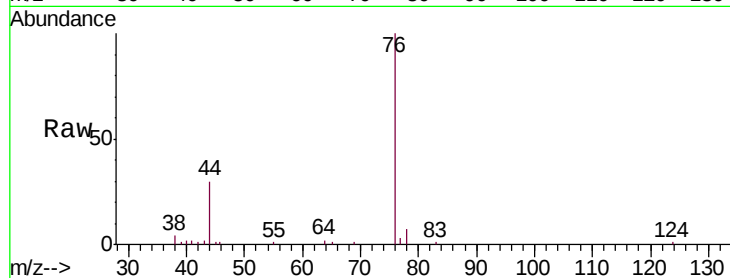
ClientSampleId :

Tot Ion: 76 Resp: 53974

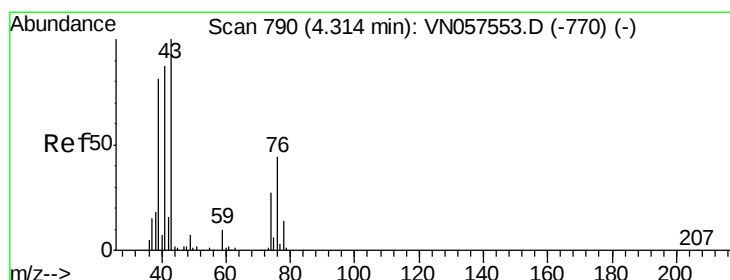
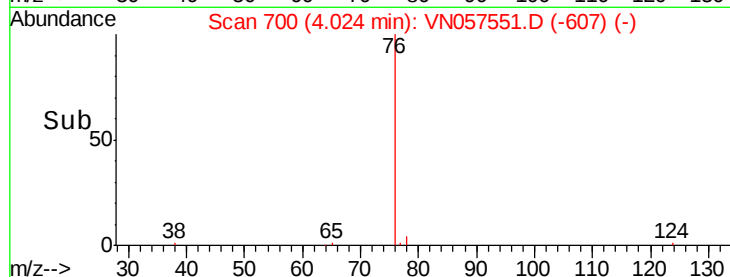
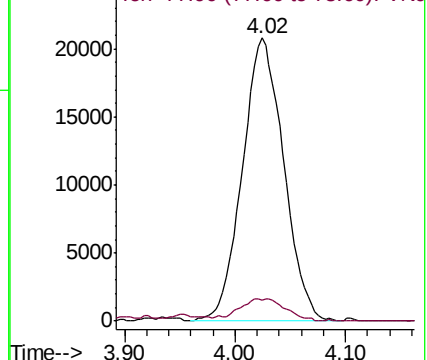
Ion Ratio Lower Upper

76 100

78 7.4 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 3.227 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN057551.D

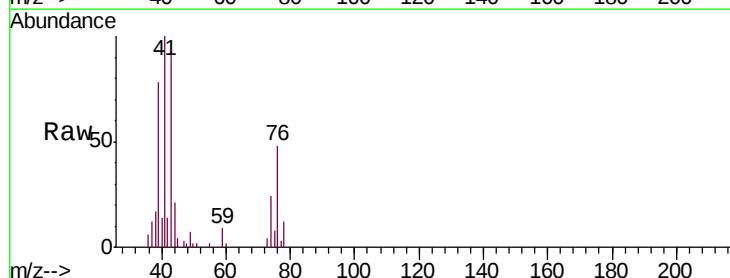
Acq: 29 Aug 2019 15:48

Tgt Ion: 43 Resp: 26209

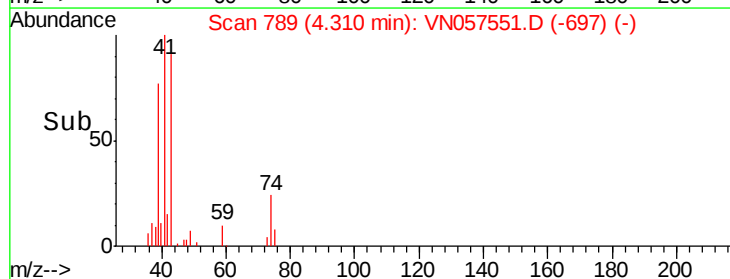
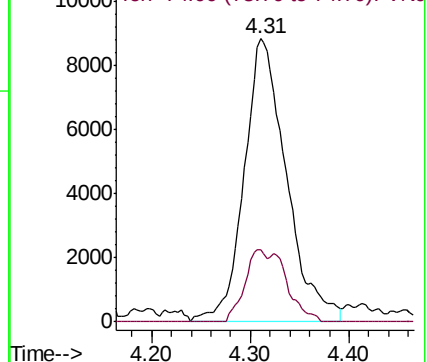
Ion Ratio Lower Upper

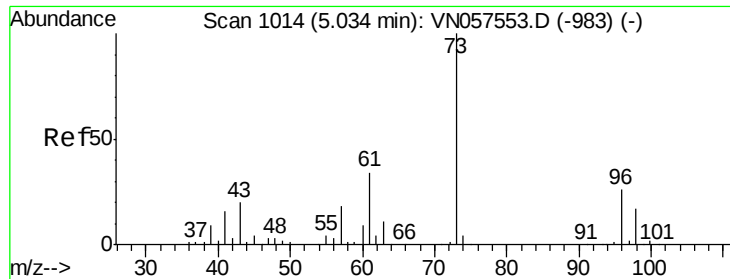
43 100

74 13.2 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

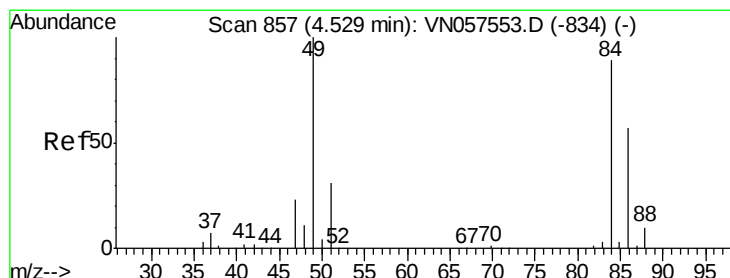
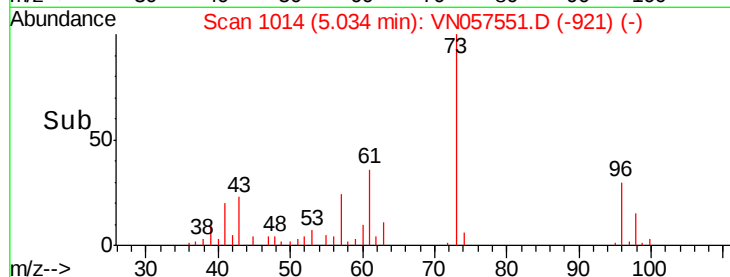
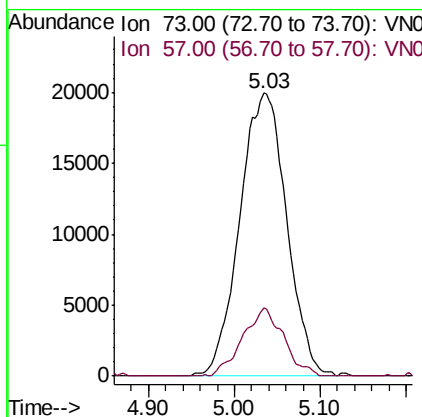
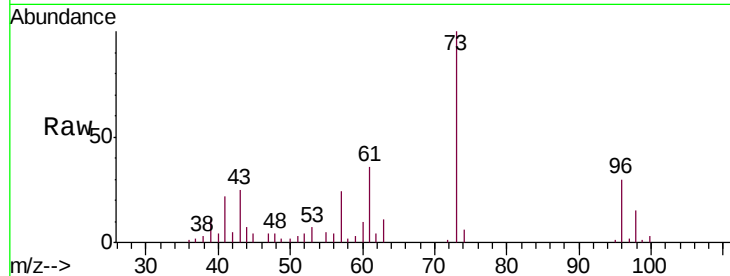




#19
Methvl tert-butvl Ether
Concen: 4.497 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

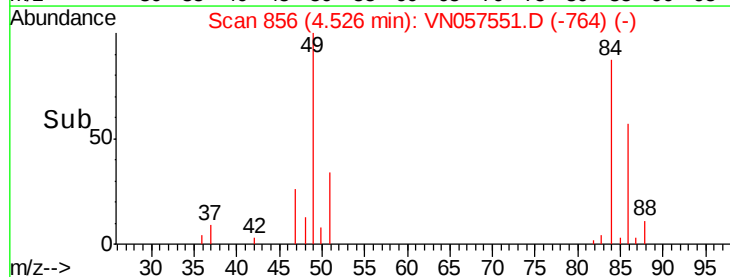
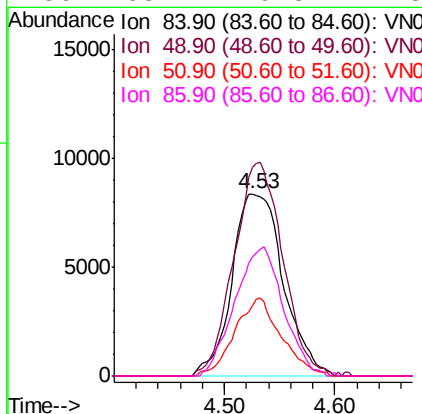
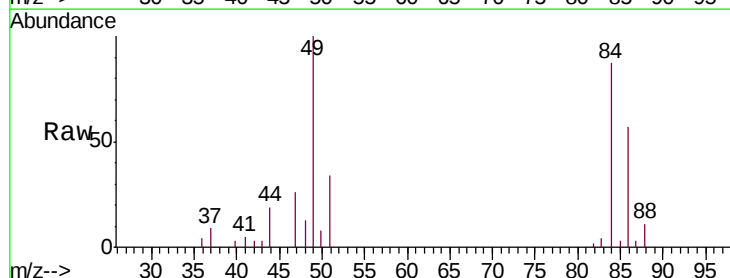
Instrument :
MSVOA_N
ClientSampleId :

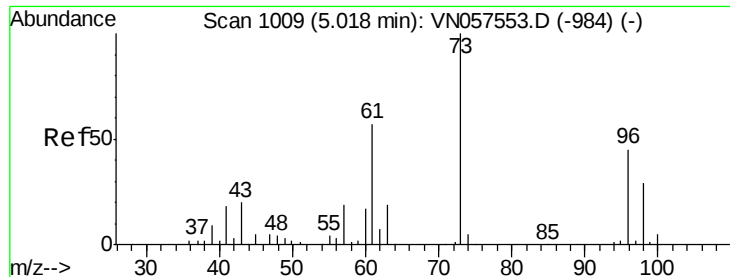
Tot Ion: 73 Resp: 75655
Ion Ratio Lower Upper
73 100
57 23.9 19.1 28.7



#20
Methylene Chloride
Concen: 4.998 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 84 Resp: 27029
Ion Ratio Lower Upper
84 100
49 114.7 117.0 175.4#
51 39.0 35.5 53.3
86 65.4 49.8 74.8

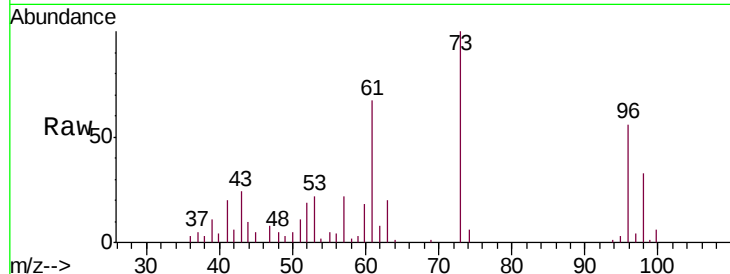




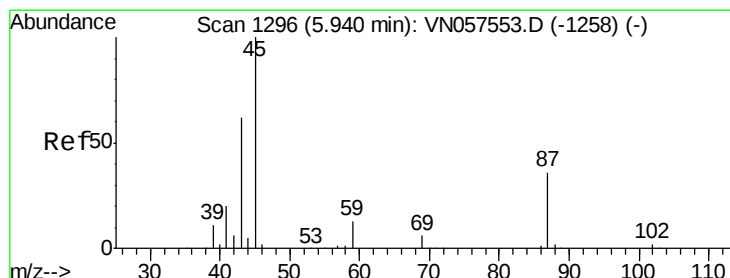
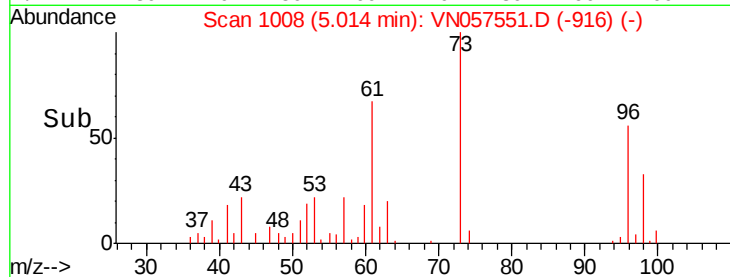
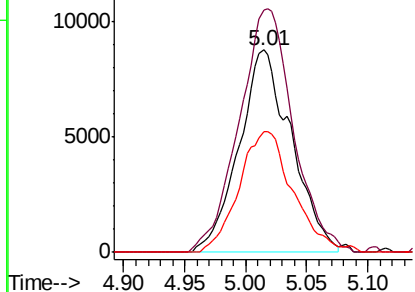
#21
trans-1,2-Dichloroethene
Concen: 5.221 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 26097
Ion Ratio Lower Upper
96 100
61 119.6 127.9 191.9#
98 59.7 50.6 76.0

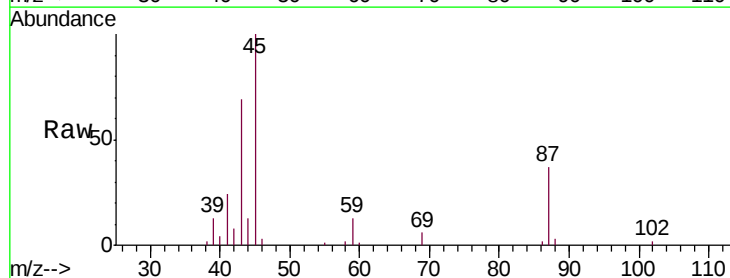


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

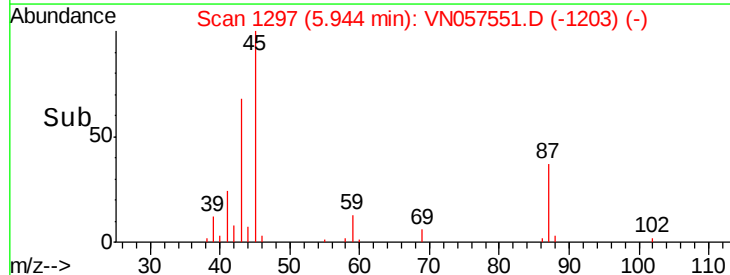
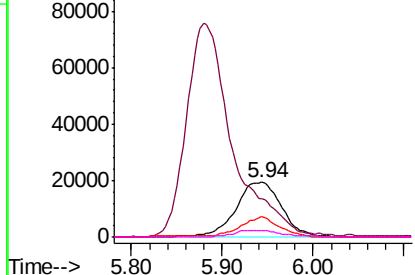


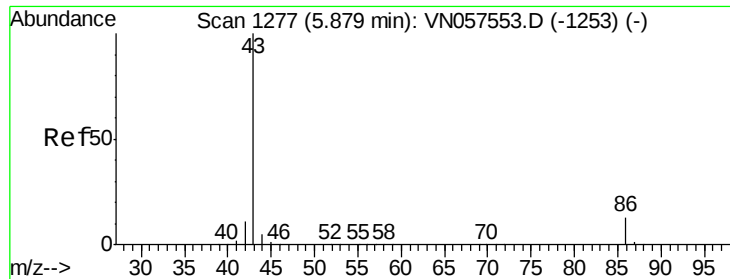
#22
Diisopropyl ether
Concen: 3.492 ug/l
RT: 5.94 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 45 Resp: 66015
Ion Ratio Lower Upper
45 100
43 67.1 46.9 70.3
87 37.5 19.3 28.9#
59 13.0 8.7 13.1



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





#23

Vinyl Acetate

Concen: 18.085 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

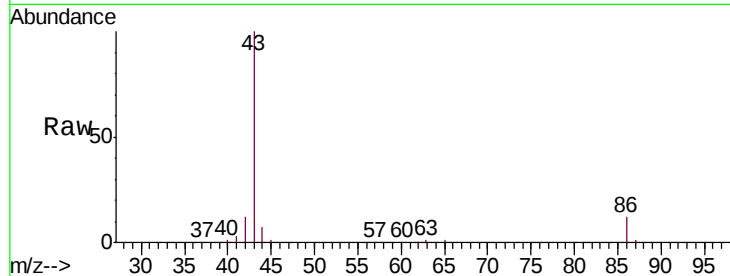
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 268395

Ion Ratio Lower Upper

43 100

86 12.1 6.7 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

80000

60000

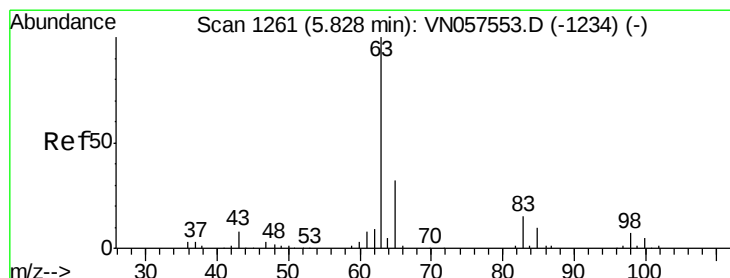
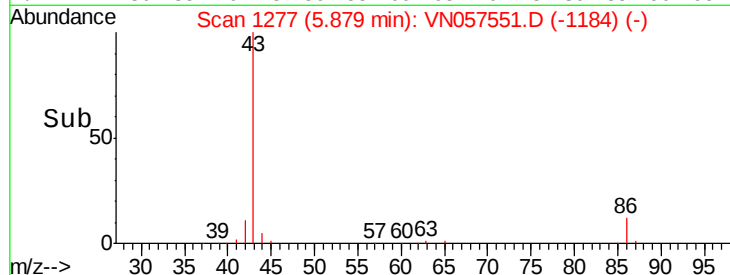
40000

20000

0

Time-->

5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 4.437 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

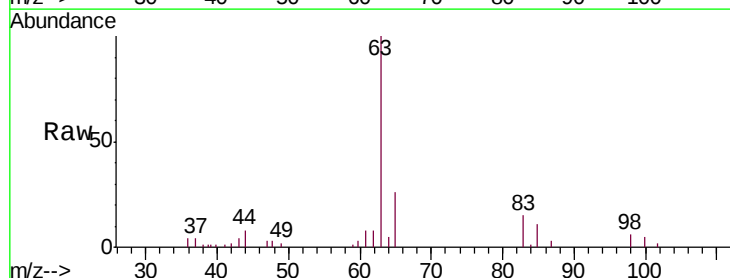
Tgt Ion: 63 Resp: 45729

Ion Ratio Lower Upper

63 100

98 5.9 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

20000

15000

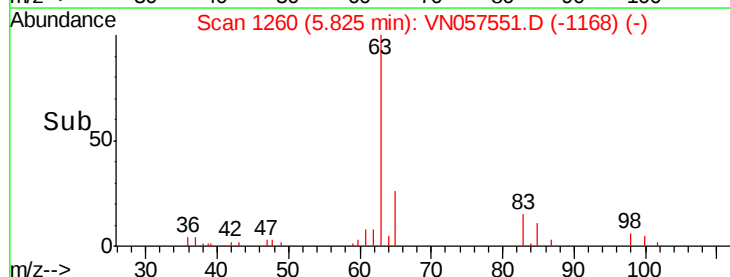
10000

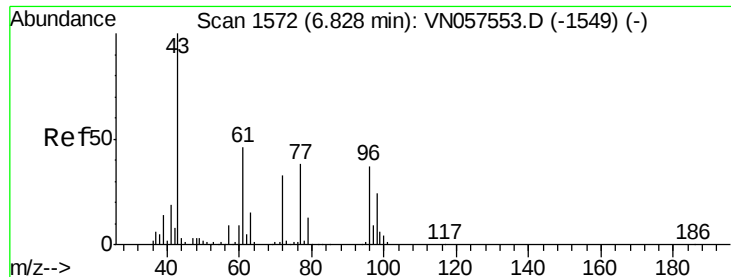
5000

0

Time-->

5.70 5.75 5.80 5.85 5.90





#25

2-Butanone

Concen: 16.374 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

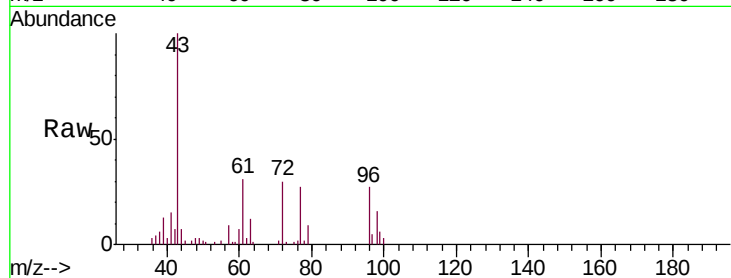
ClientSampled :

Tot Ion: 43 Resp: 55975

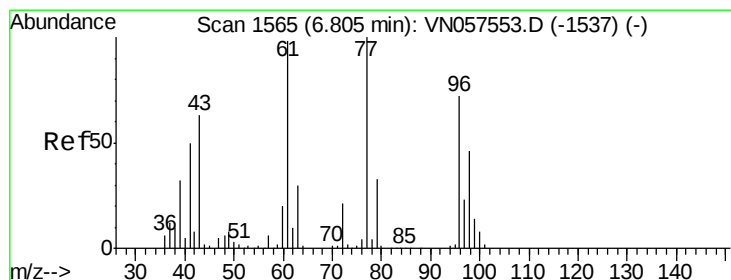
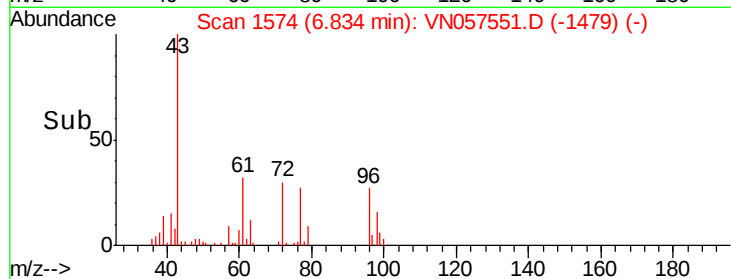
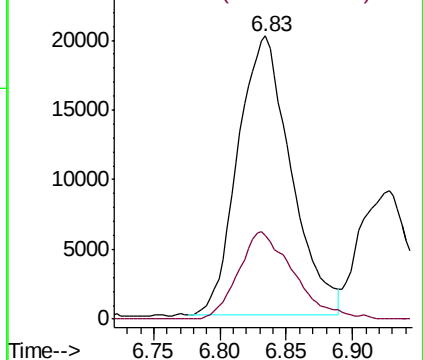
Ion Ratio Lower Upper

43 100

72 29.9 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057551.D (-1549) (-)



#26

2,2-Dichloropropane

Concen: 4.945 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057551.D

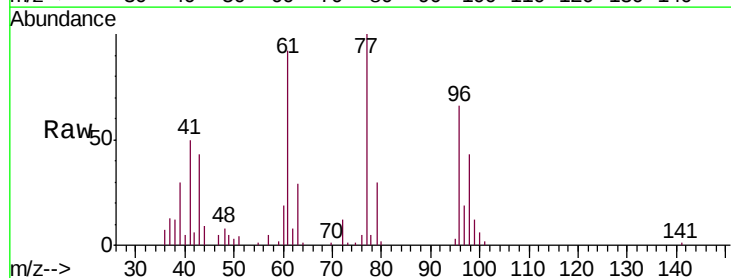
Acq: 29 Aug 2019 15:48

Tgt Ion: 77 Resp: 45432

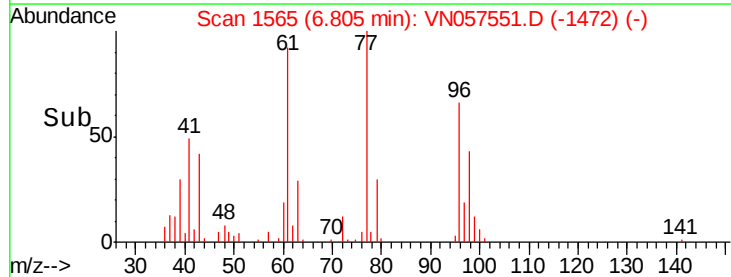
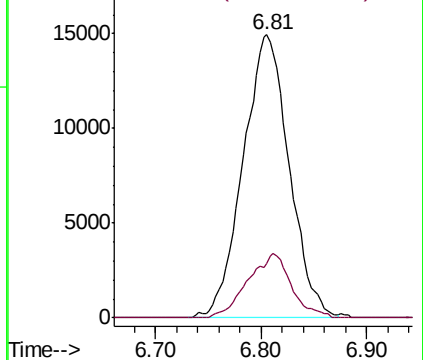
Ion Ratio Lower Upper

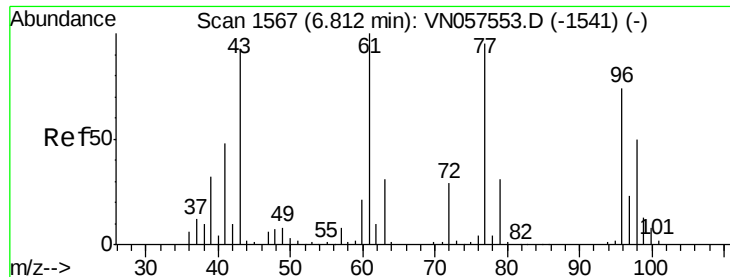
77 100

97 21.4 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN057551.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 5.293 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

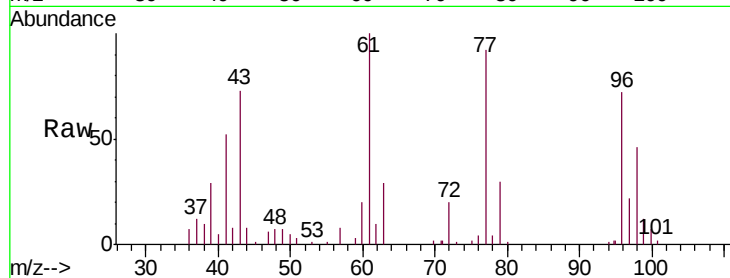
Tot Ion: 96 Resp: 31496

Ion Ratio Lower Upper

96 100

61 136.5 0.0 334.8

98 62.7 0.0 127.4

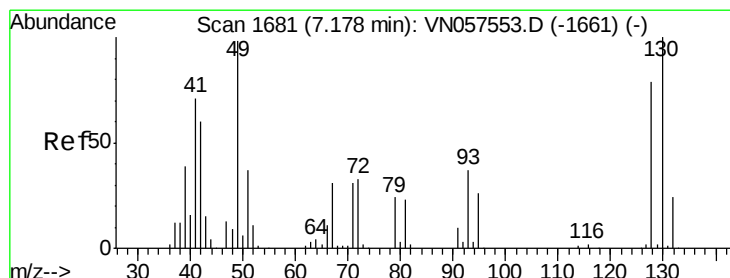
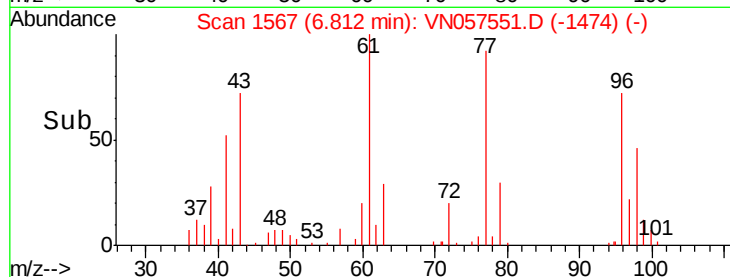
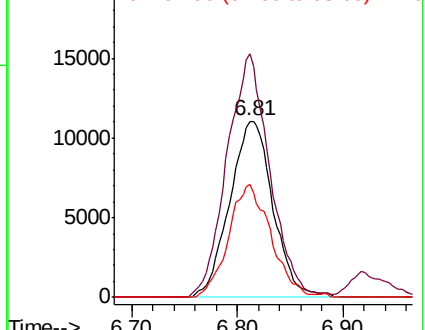


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 3.677 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

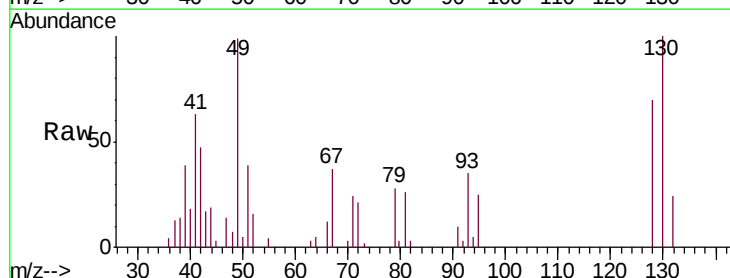
Tgt Ion: 49 Resp: 19558

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.6

130 94.4 48.6 72.8#

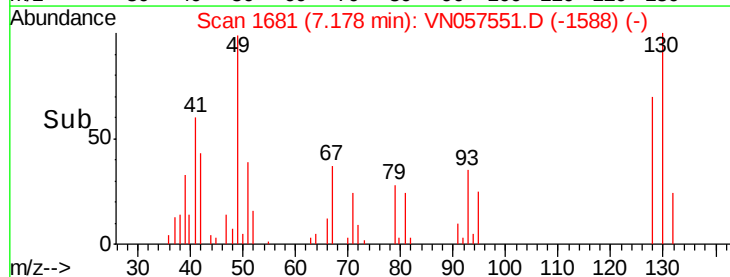
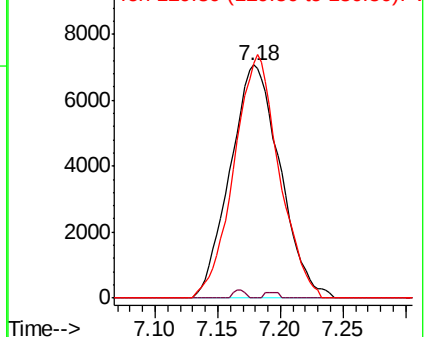


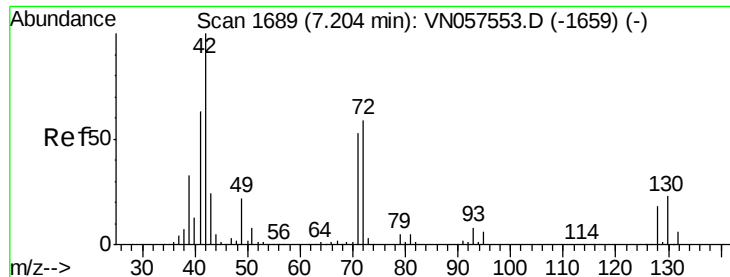
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

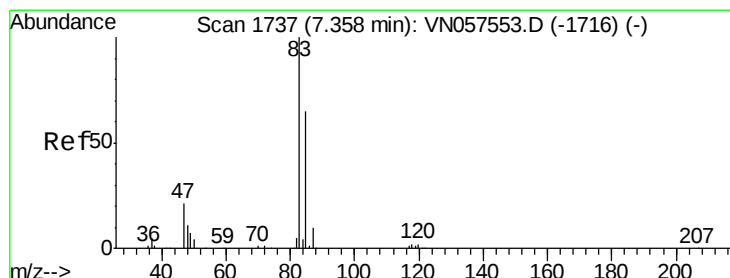
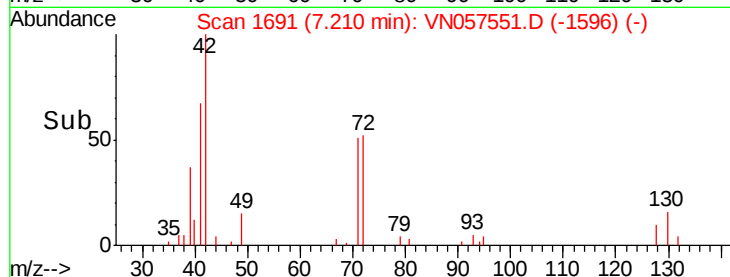
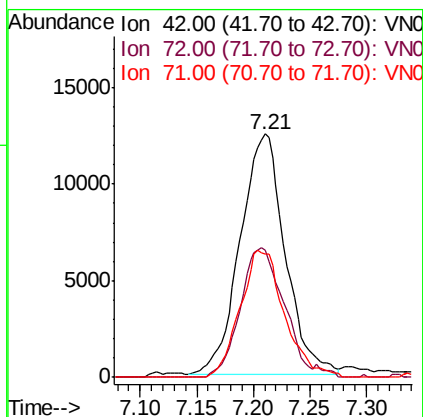
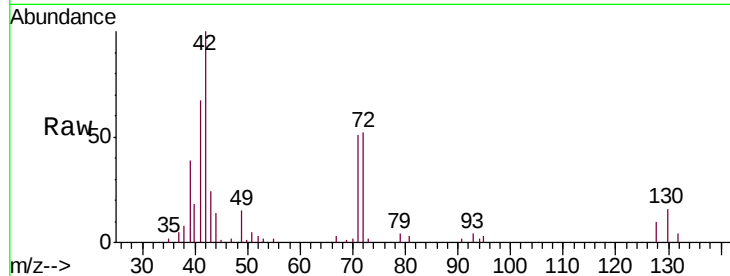




#29
Tetrahydrofuran
Concen: 15.396 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

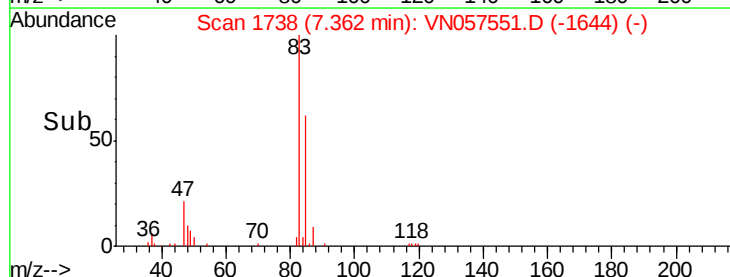
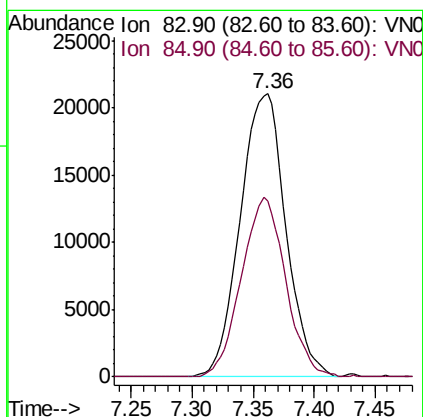
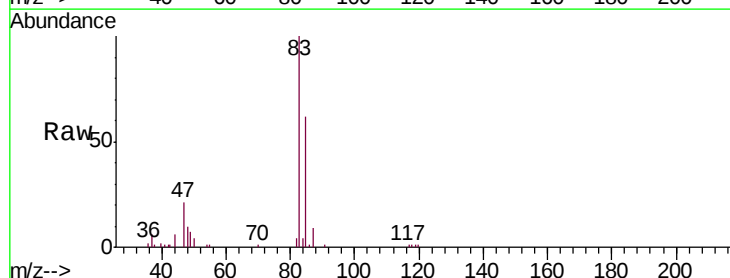
Instrument :
MSVOA_N
ClientSampled :

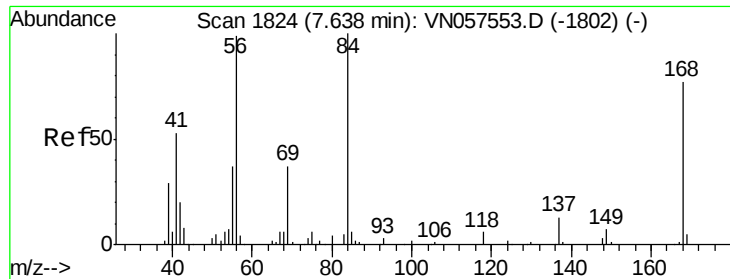
Tot Ion: 42 Resp: 34365
Ion Ratio Lower Upper
42 100
72 51.7 30.1 45.1#
71 52.2 28.8 43.2#



#30
Chloroform
Concen: 4.940 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 83 Resp: 54571
Ion Ratio Lower Upper
83 100
85 62.2 51.9 77.9

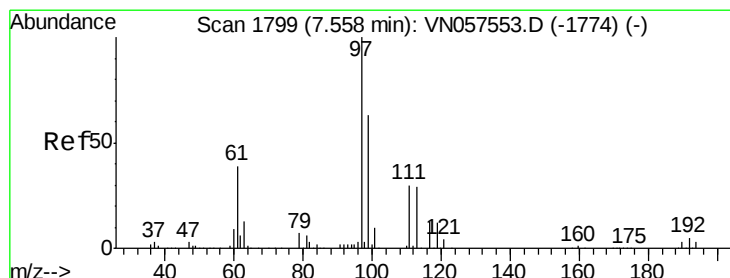
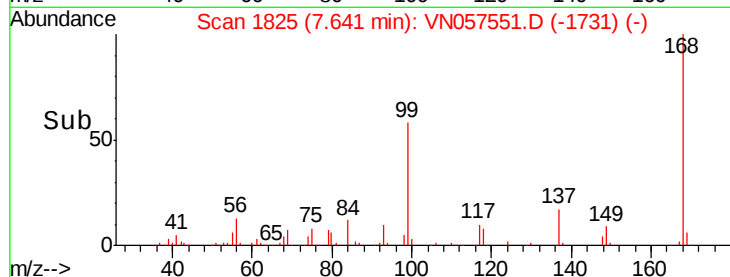
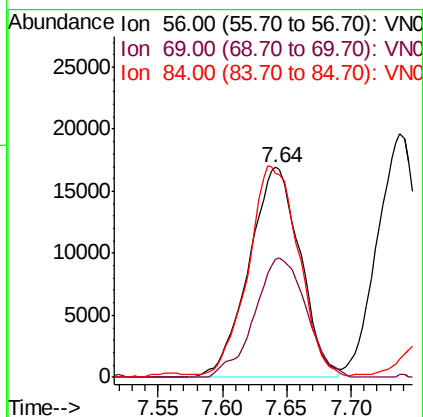
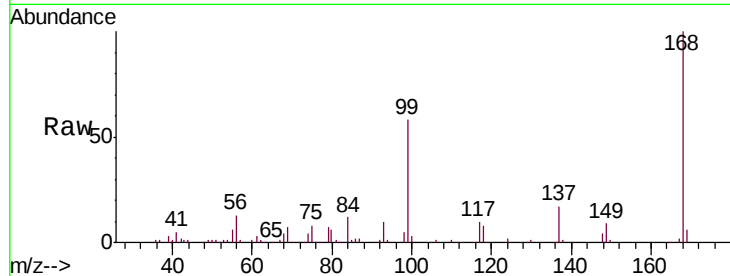




#31
Cyclohexane
Concen: 4.812 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

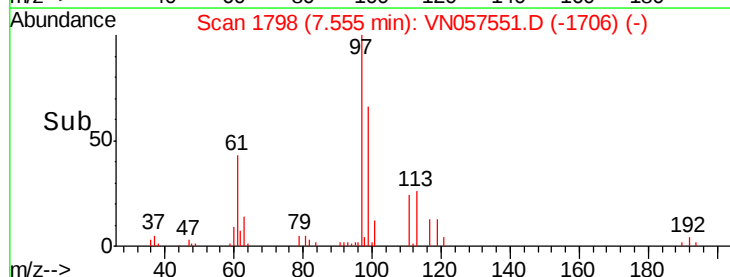
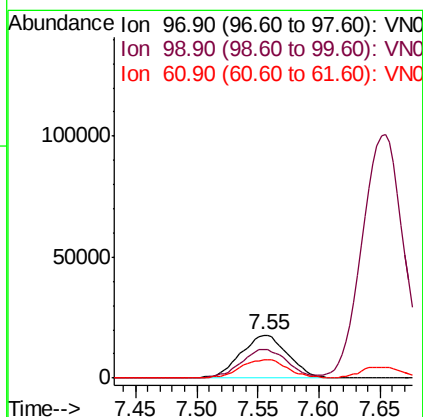
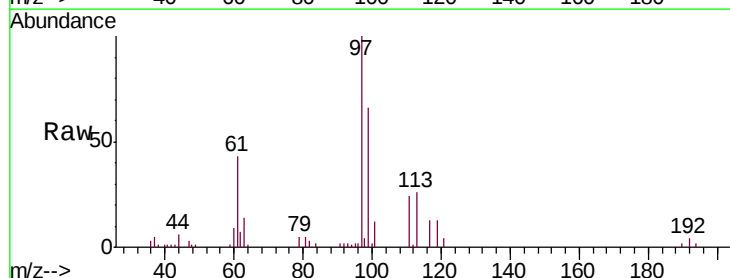
Instrument :
MSVOA_N
ClientSampleId :

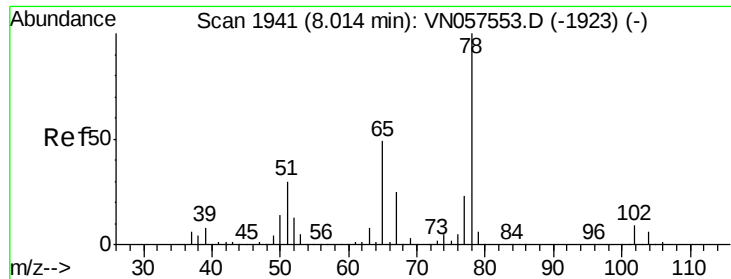
Tot Ion: 56 Resp: 46879
Ion Ratio Lower Upper
56 100
69 56.5 25.0 37.6#
84 95.8 62.5 93.7#



#32
1,1,1-Trichloroethane
Concen: 5.131 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 97 Resp: 47428
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.6
61 43.4 39.8 59.6

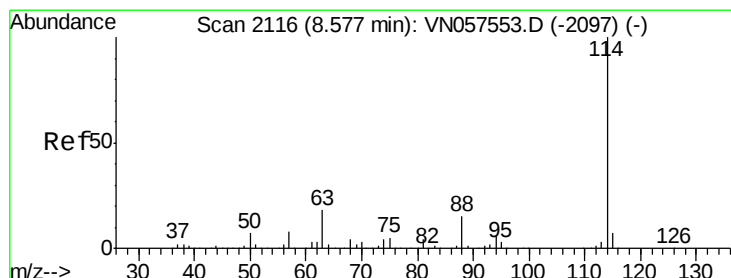
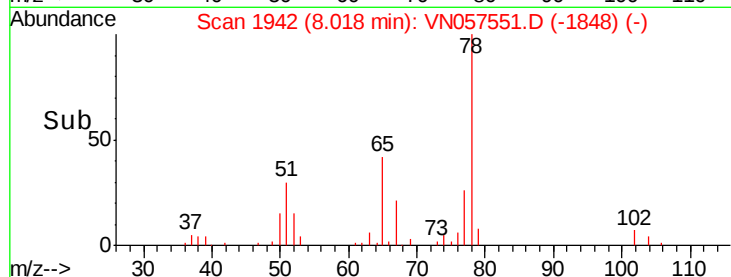
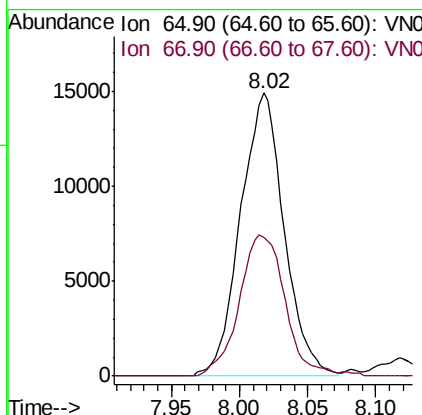
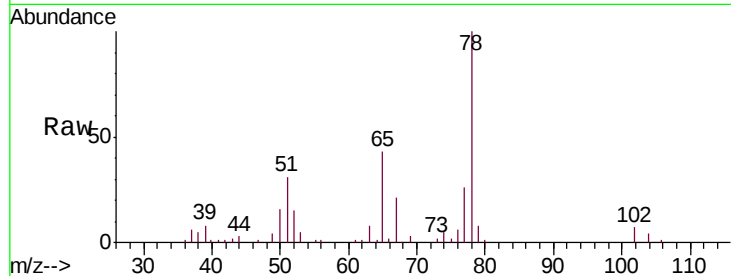




#33
 1,2-Dichloroethane-d4
 Concen: 4.651 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

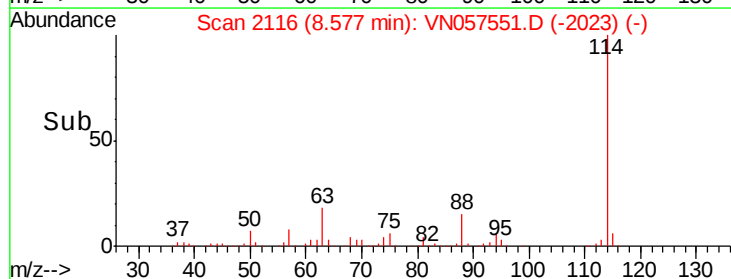
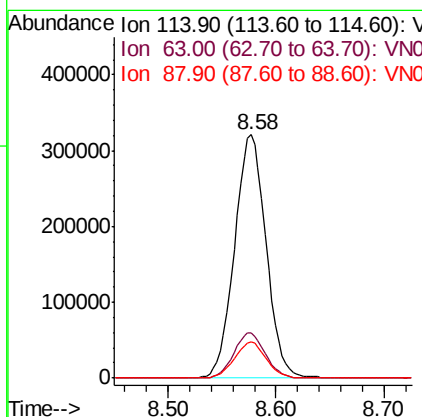
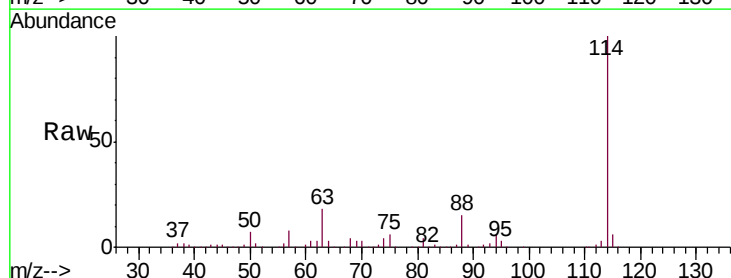
Instrument :
 MSVOA_N
 ClientSampleId :

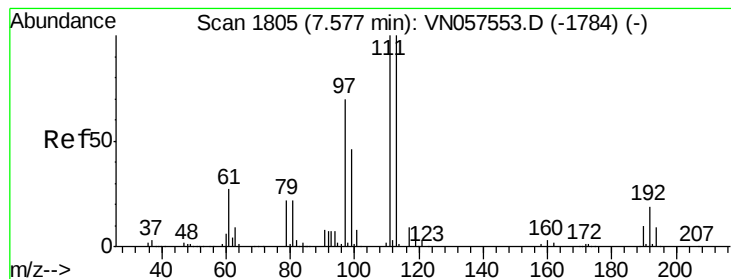
Tot Ion: 65 Resp: 33082
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion: 114 Resp: 653016
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 50.2
 88 14.9 0.0 34.6





#35

Dibromofluoromethane

Concen: 6.427 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :

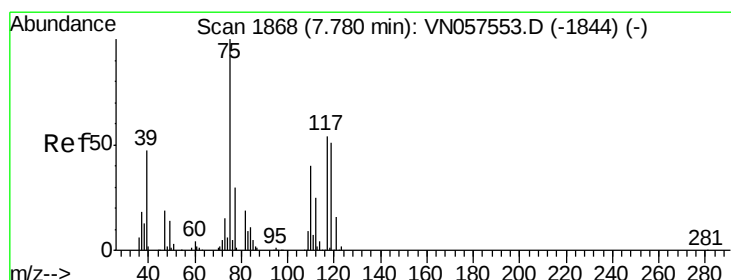
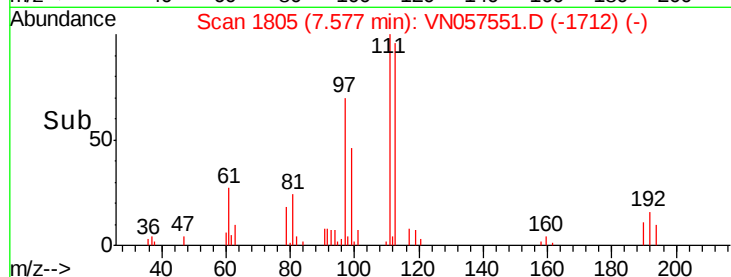
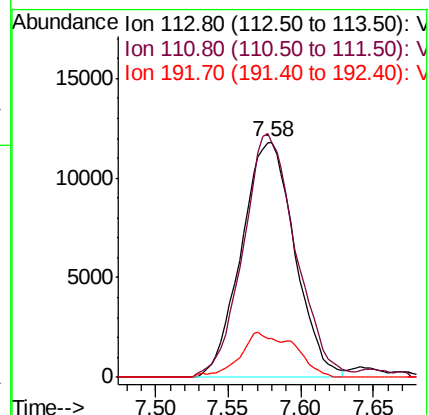
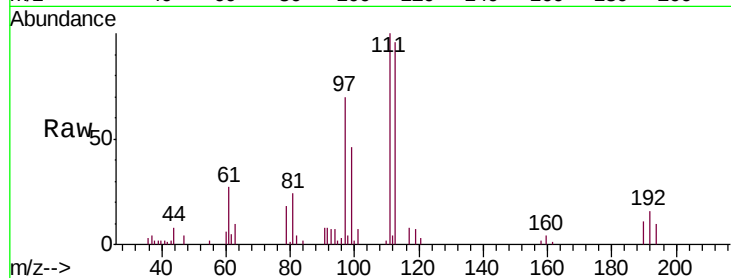
Tot Ion:113 Resp: 30156

Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 19.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.205 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

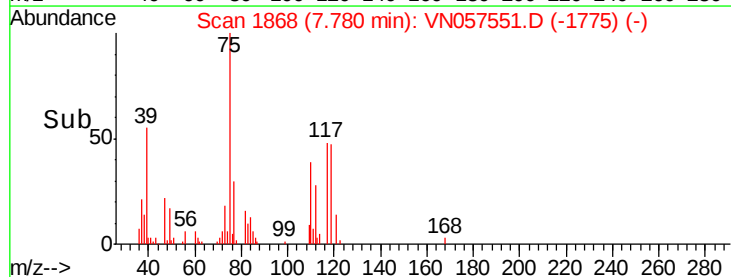
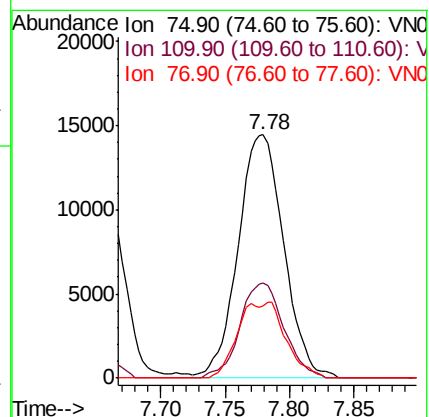
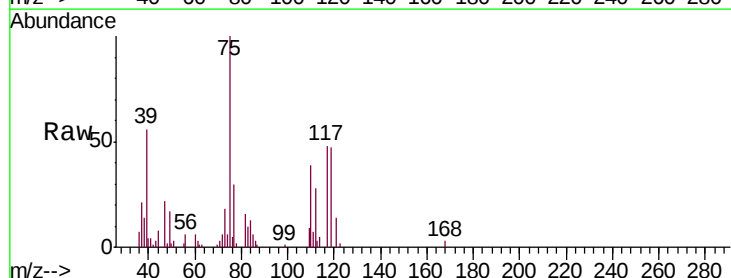
Tgt Ion: 75 Resp: 35624

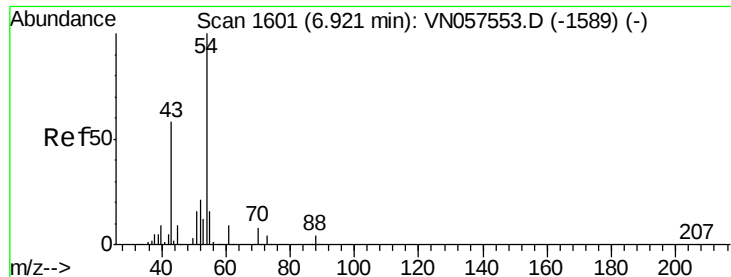
Ion Ratio Lower Upper

75 100

110 37.6 16.1 48.3

77 15.9 24.8 37.2#

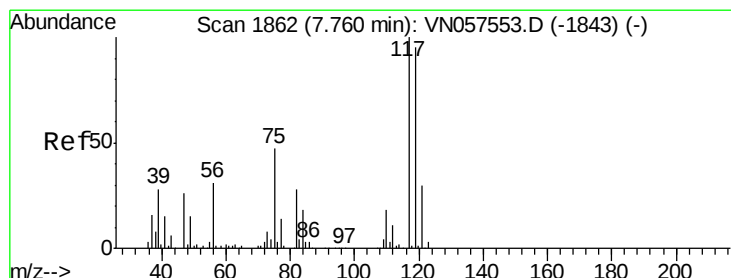
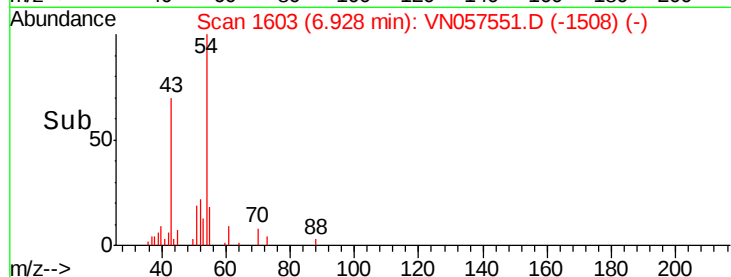
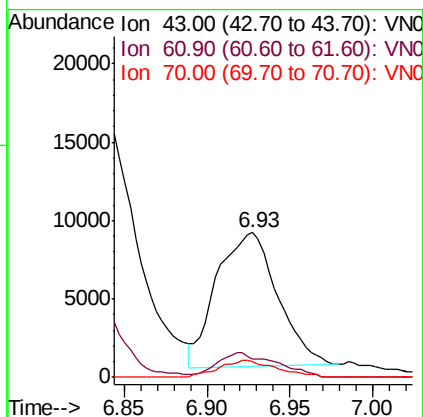
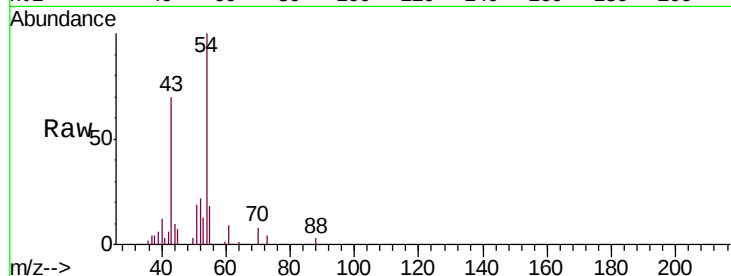




#37
Ethyl Acetate
Concen: 3.481 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

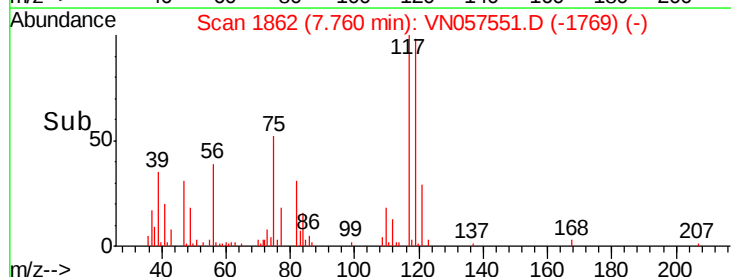
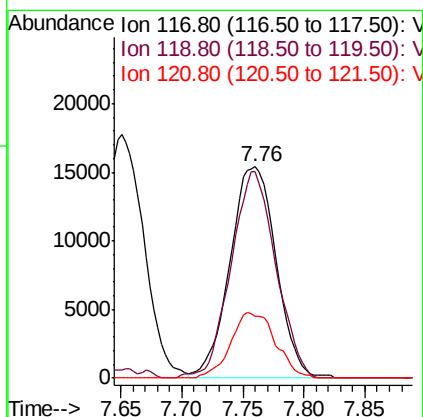
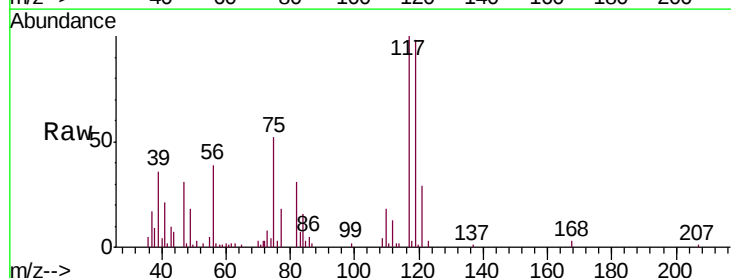
Instrument :
MSVOA_N
ClientSampleId :

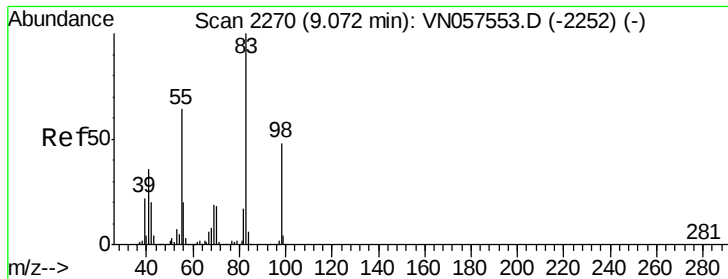
Tot Ion: 43 Resp: 22016
Ion Ratio Lower Upper
43 100
61 17.7 9.9 14.9#
70 12.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.775 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 117 Resp: 40495
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.4
121 29.4 23.8 35.6

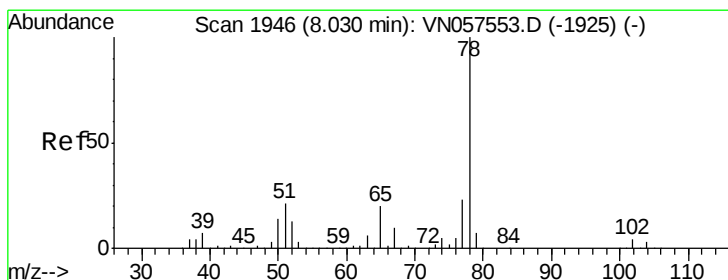
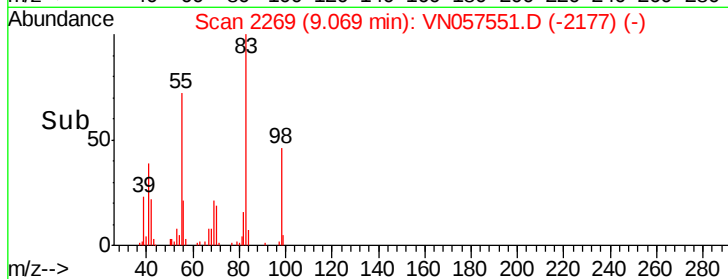
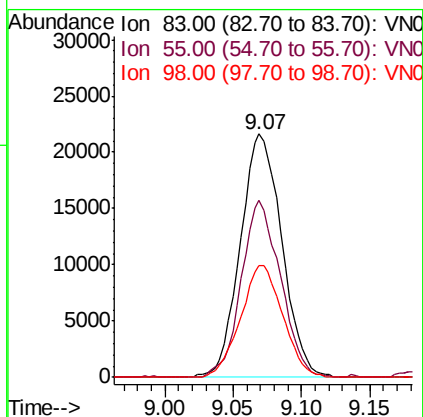
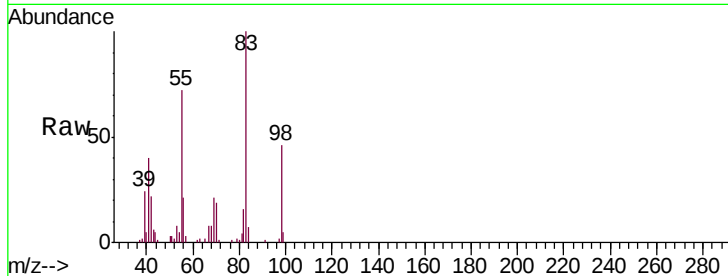




#39
Methylvlcvclohexane
Concen: 5.566 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

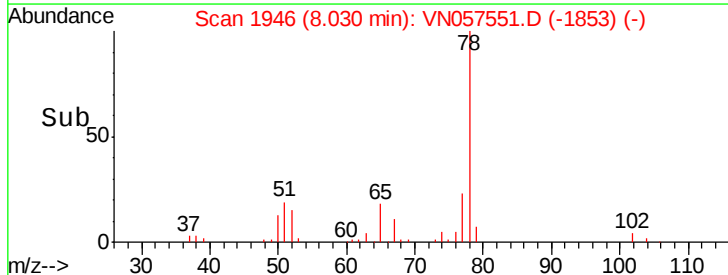
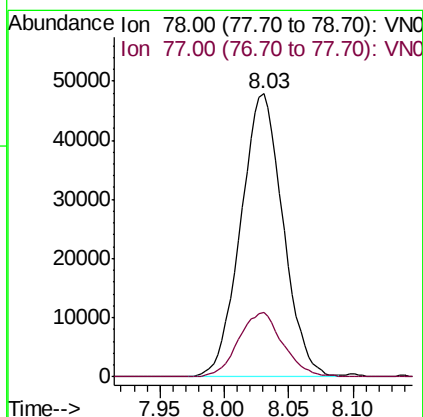
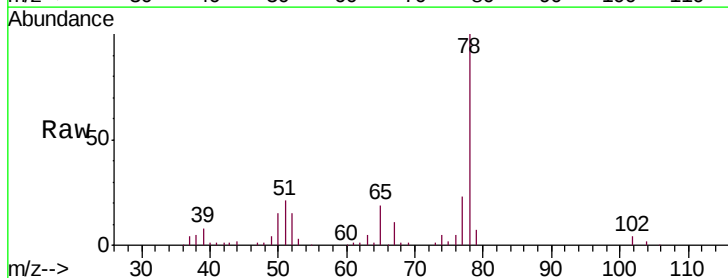
Instrument :
MSVOA_N
ClientSampled :

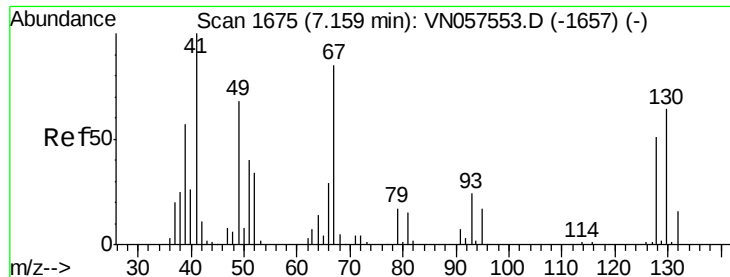
Tot Ion: 83 Resp: 45688
Ion Ratio Lower Upper
83 100
55 72.5 68.6 102.8
98 46.1 36.6 54.8



#40
Benzene
Concen: 5.315 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 78 Resp: 109421
Ion Ratio Lower Upper
78 100
77 22.6 18.5 27.7





#41

Methacrylonitrile

Concen: 3.845 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 11503

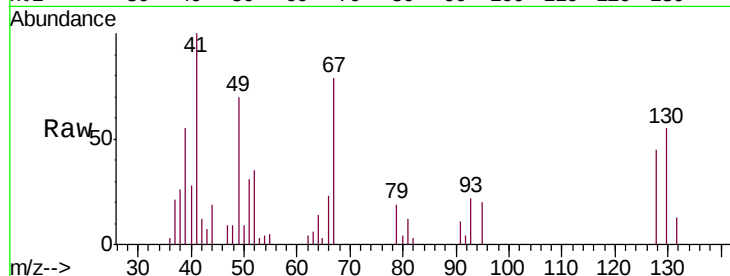
Ion Ratio Lower Upper

41 100

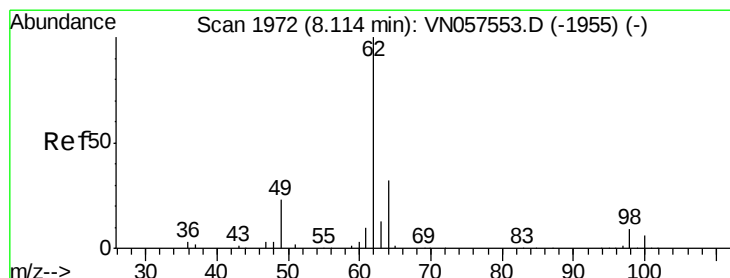
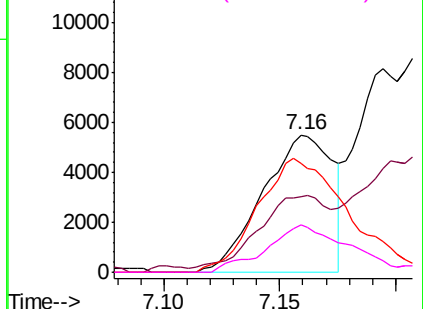
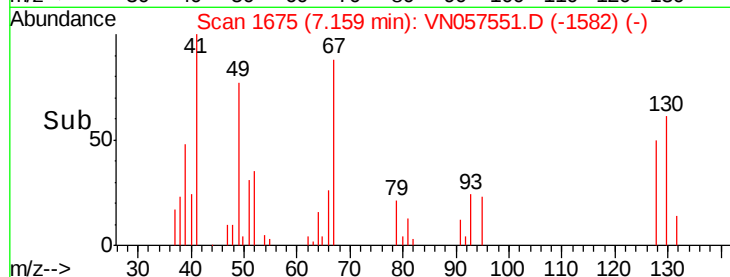
39 51.3 53.6 80.4#

67 108.9 65.4 98.2#

52 40.1 29.8 44.6



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



#42

1,2-Dichloroethane

Concen: 5.022 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057551.D

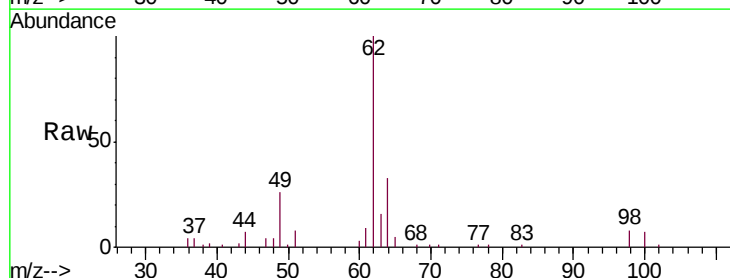
Acq: 29 Aug 2019 15:48

Tgt Ion: 62 Resp: 39269

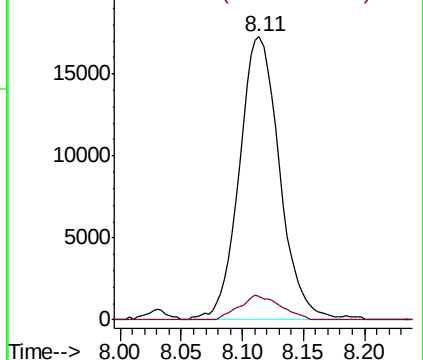
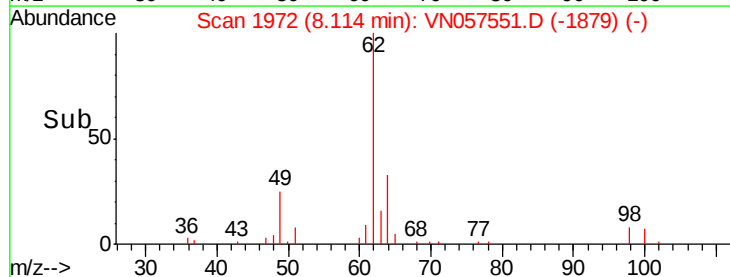
Ion Ratio Lower Upper

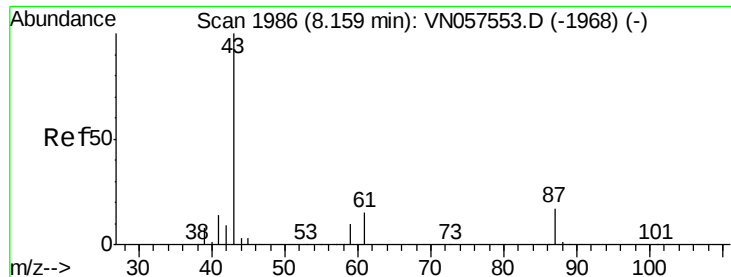
62 100

98 8.9 0.0 15.4



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





#43

Isopropyl Acetate

Concen: 3.675 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

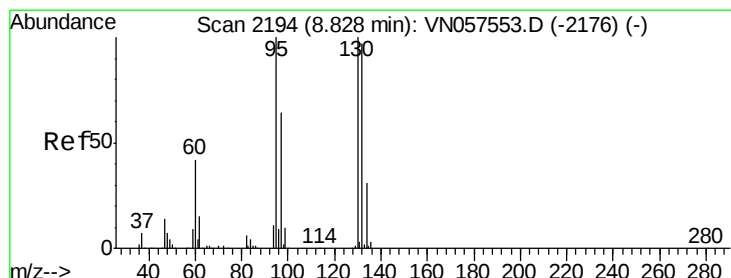
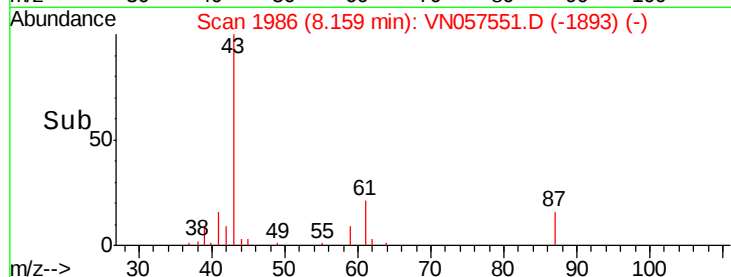
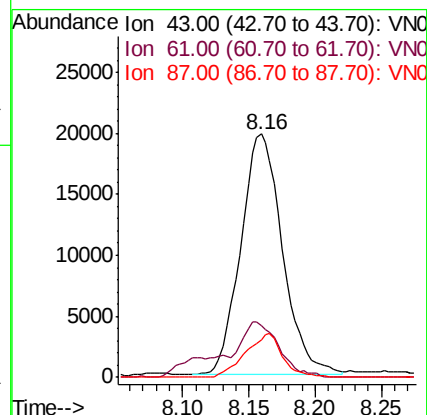
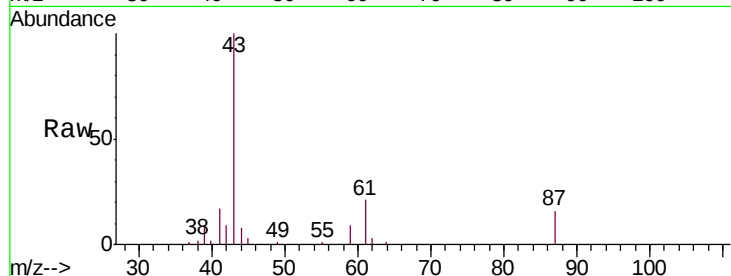
Tot Ion: 43 Resp: 42870

Ion Ratio Lower Upper

43 100

61 20.9 14.5 21.7

87 16.4 8.6 12.8#



#44

Trichloroethene

Concen: 6.430 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057551.D

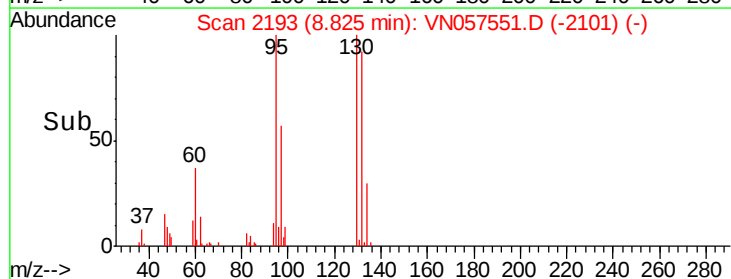
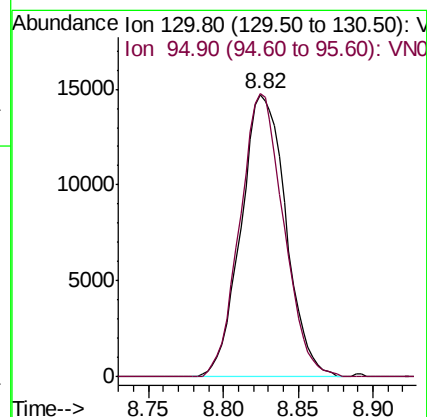
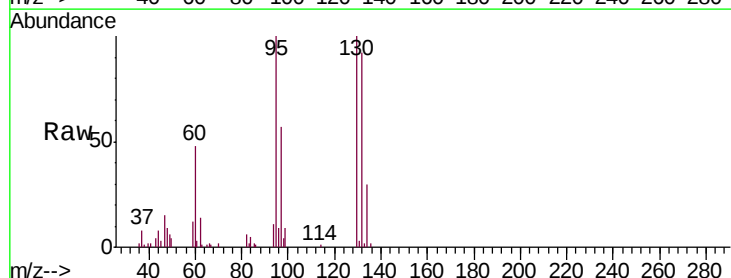
Acq: 29 Aug 2019 15:48

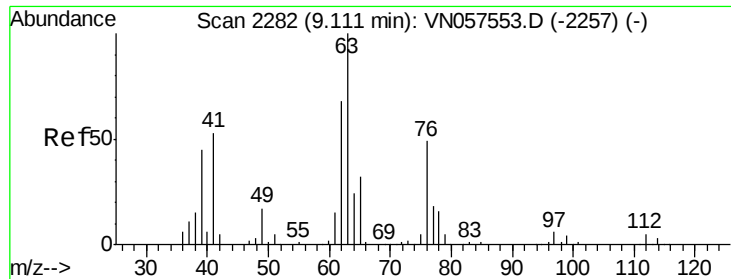
Tgt Ion:130 Resp: 30679

Ion Ratio Lower Upper

130 100

95 100.2 0.0 231.6

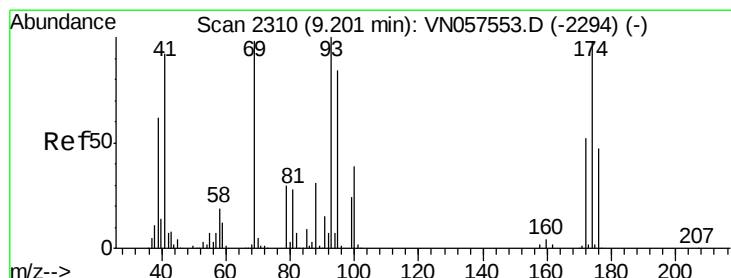
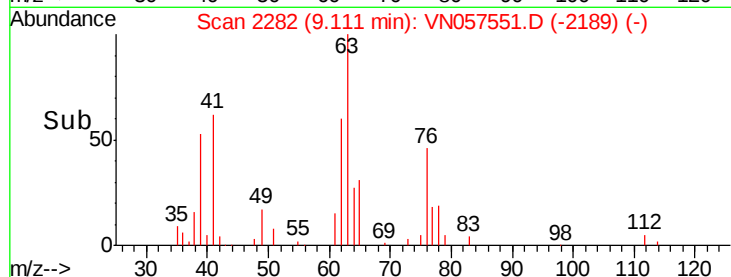
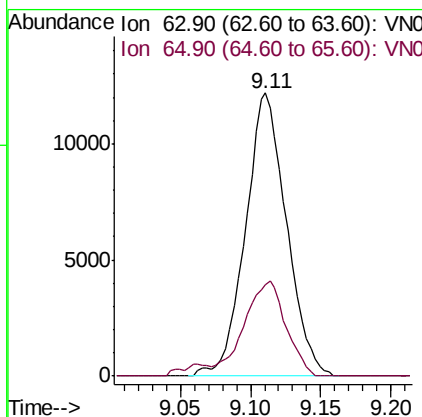
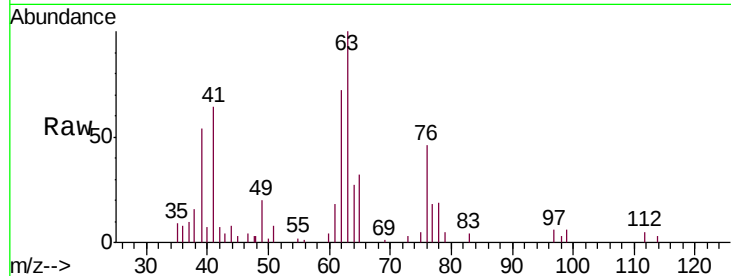




#45
 1,2-Dichloropropane
 Concen: 4.388 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

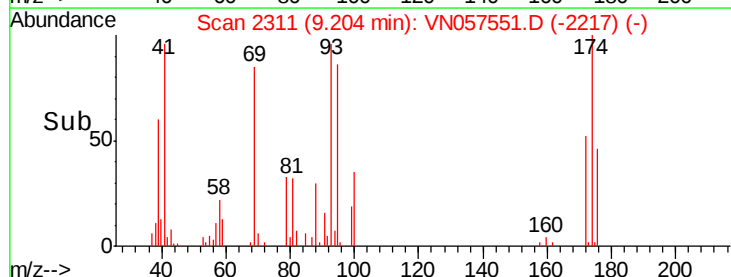
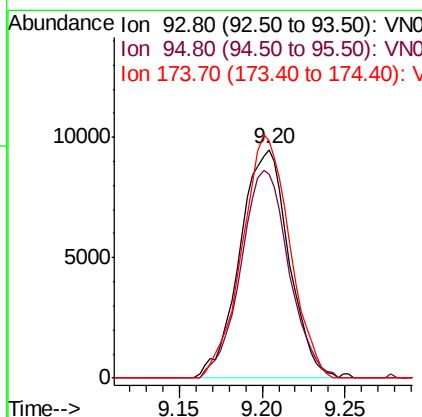
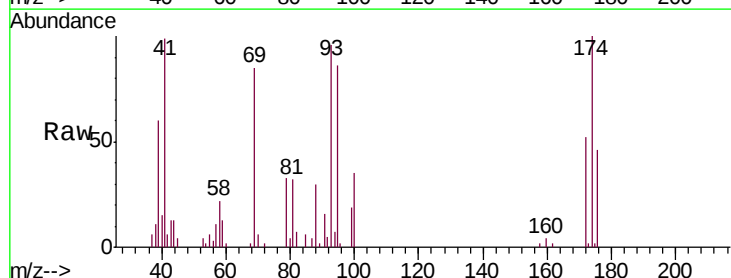
Instrument :
 MSVOA_N
 ClientSampled :

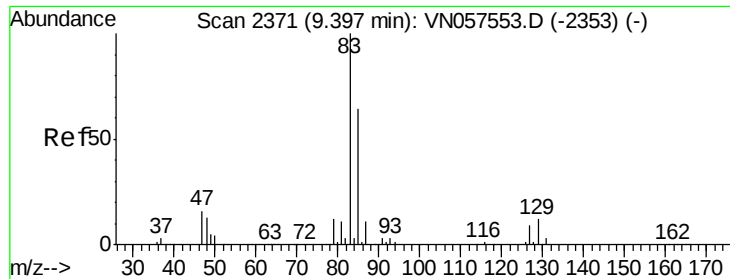
Tot Ion: 63 Resp: 24724
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.7 37.1



#46
 Dibromomethane
 Concen: 5.229 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion: 93 Resp: 19475
 Ion Ratio Lower Upper
 93 100
 95 89.2 64.7 97.1
 174 103.2 62.3 93.5#





#47

Bromodichloromethane

Concen: 5.204 ug/l

RT: 9.40 min Scan# 2371

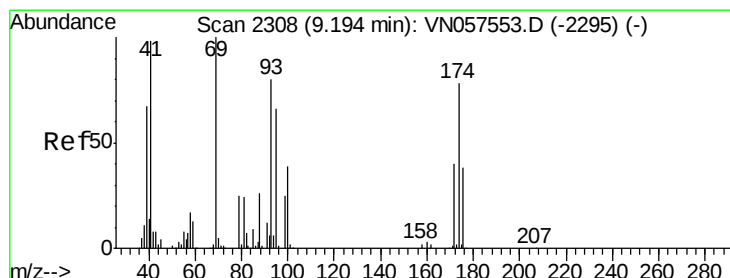
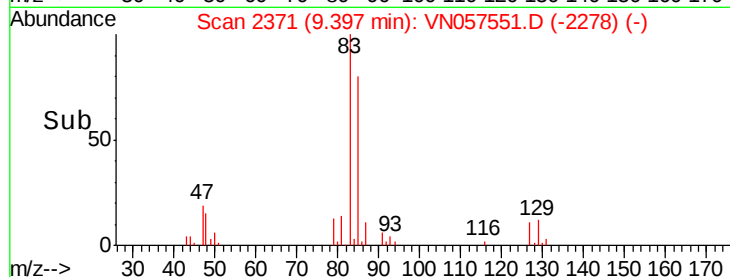
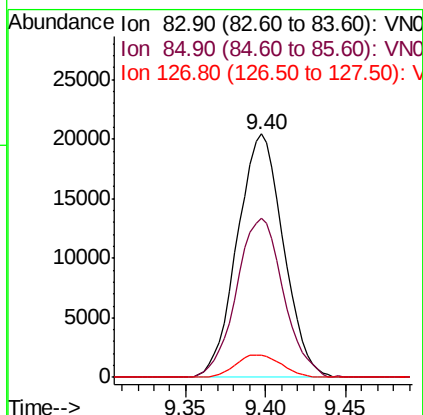
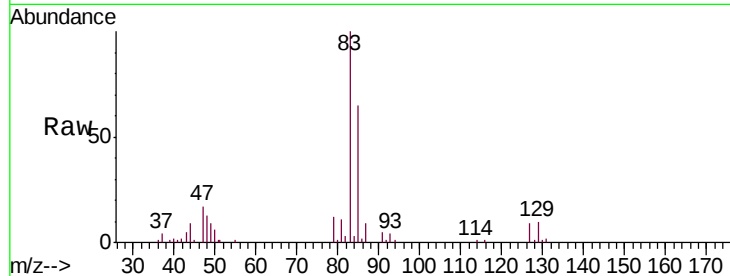
Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	83	Resp:	40093
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.2	76.8
127	9.2	6.6	10.0



#48

Methyl methacrylate

Concen: 3.969 ug/l

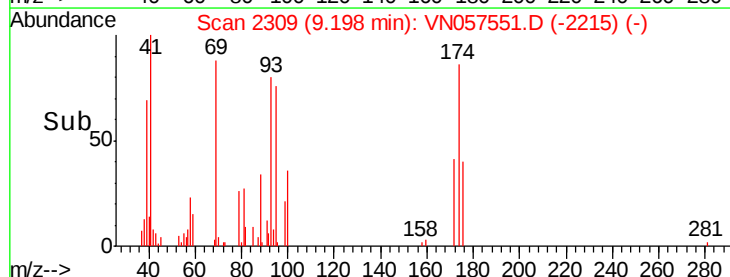
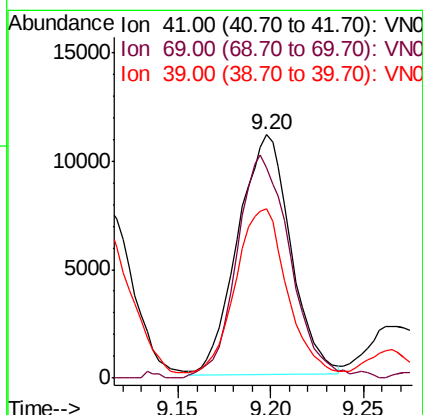
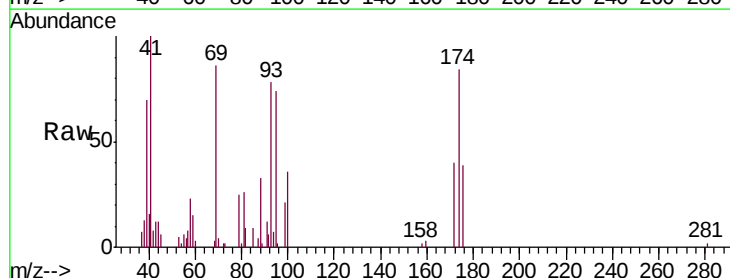
RT: 9.20 min Scan# 2309

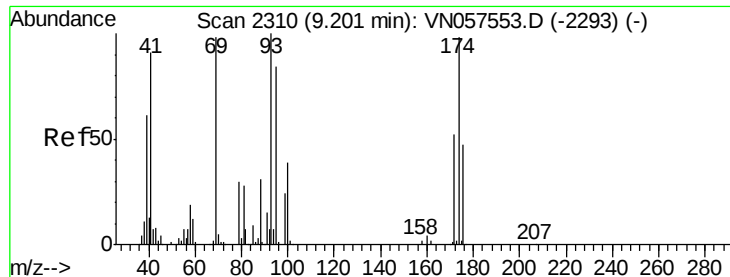
Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:	41	Resp:	21886
Ion	Ratio	Lower	Upper
41	100		
69	93.4	59.3	88.9#
39	67.9	50.6	75.8

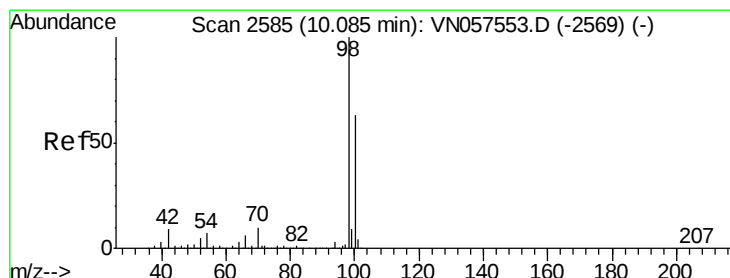
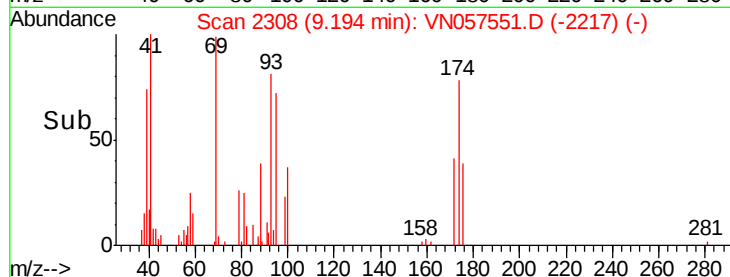
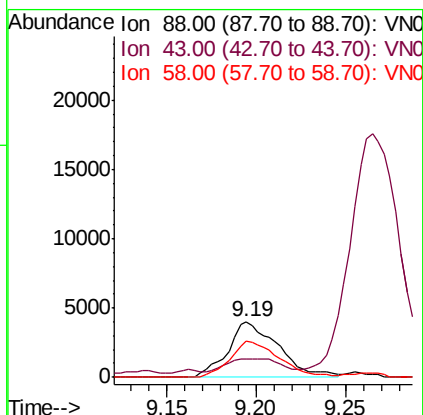
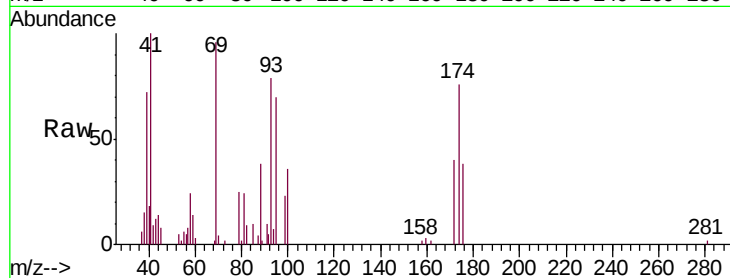




#49
1,4-Dioxane
Concen: 104.325 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

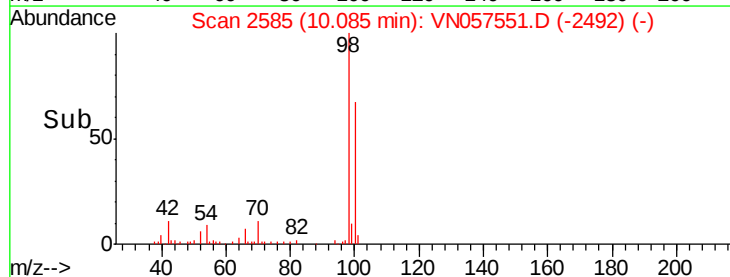
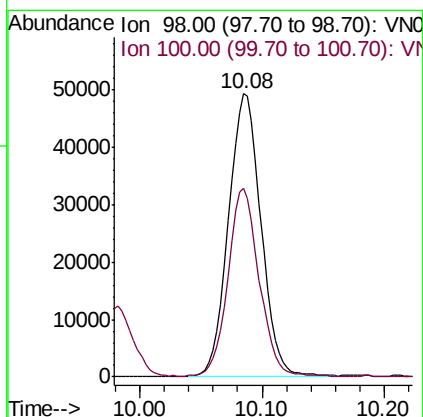
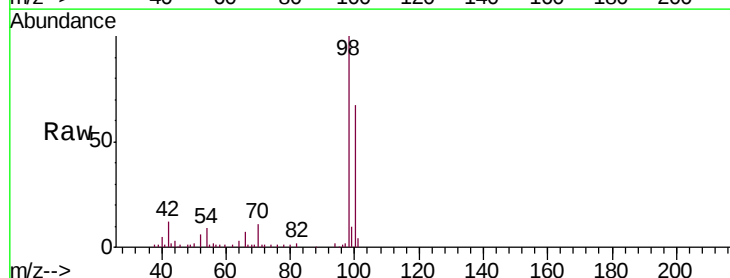
Instrument :
MSVOA_N
ClientSampleId :

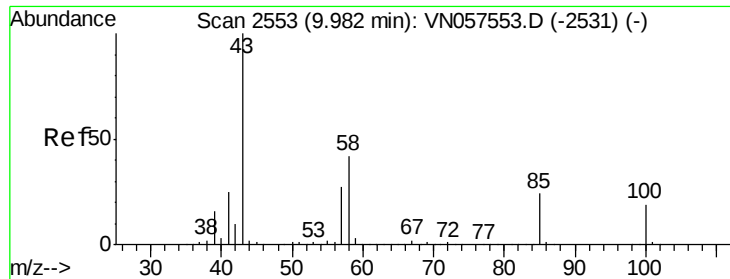
Tot Ion: 88 Resp: 7876
Ion Ratio Lower Upper
88 100
43 23.1 31.0 46.6#
58 63.0 64.5 96.7#



#50
Toluene-d8
Concen: 5.170 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 98 Resp: 92029
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 18.866 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

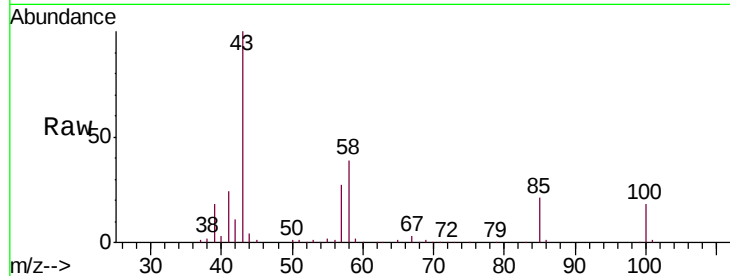
ClientSampleId :

Tot Ion: 43 Resp: 122231

Ion Ratio Lower Upper

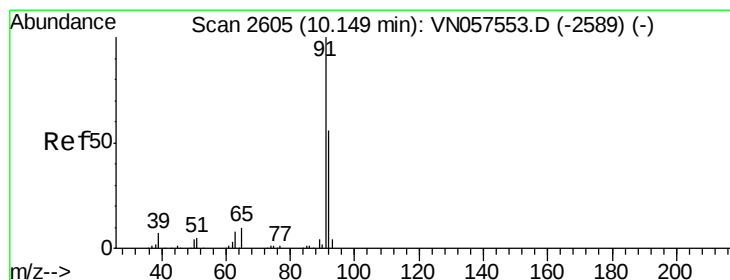
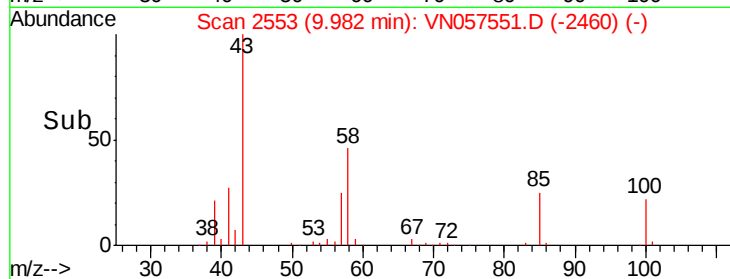
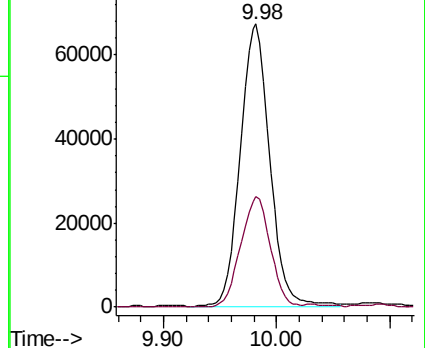
43 100

58 39.5 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.516 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057551.D

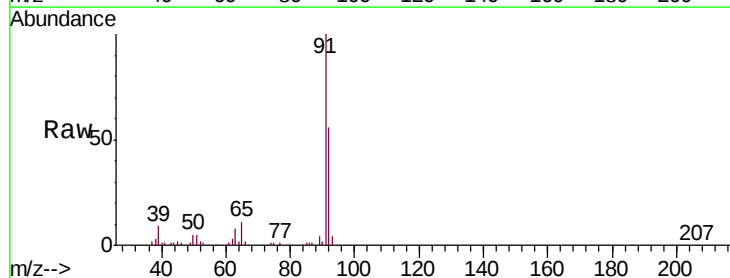
Acq: 29 Aug 2019 15:48

Tgt Ion: 92 Resp: 67215

Ion Ratio Lower Upper

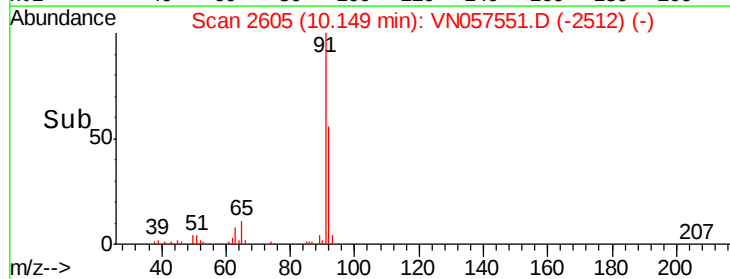
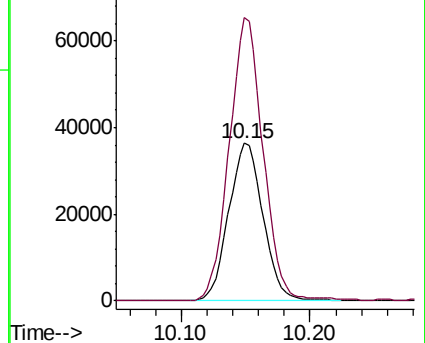
92 100

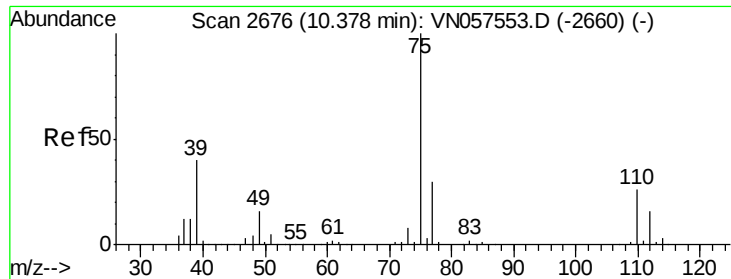
91 177.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

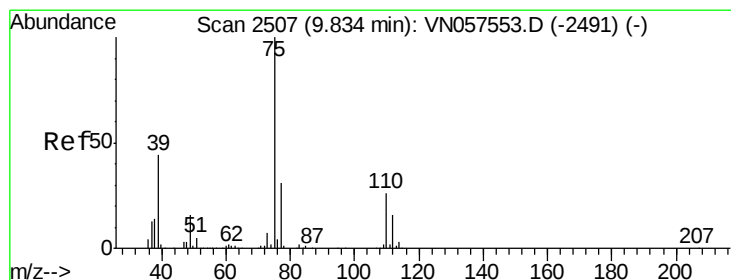
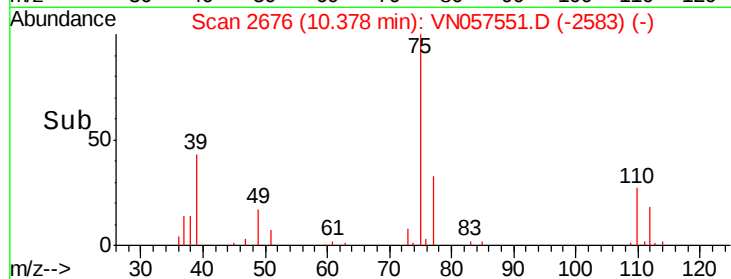
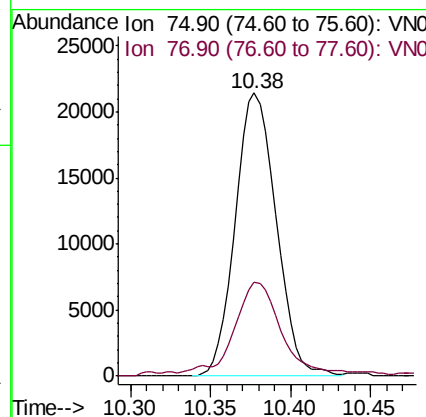
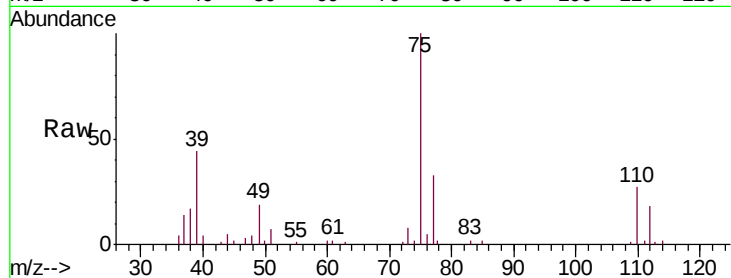




#53
 t-1,3-Dichloropropene
 Concen: 4.667 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

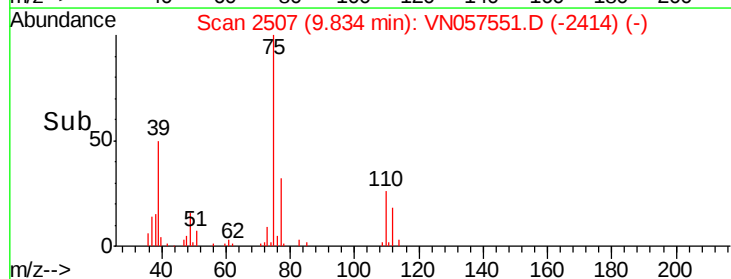
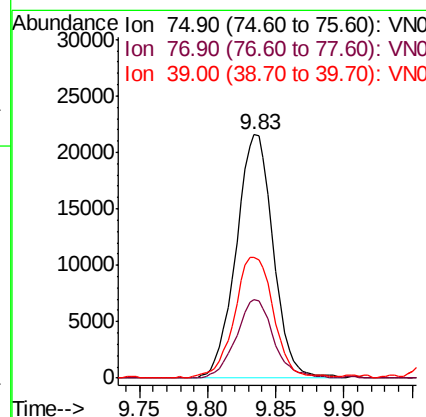
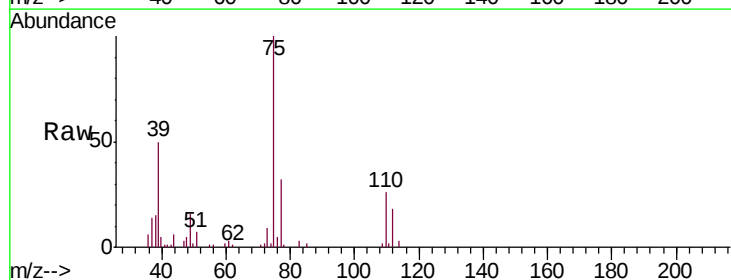
Instrument :
 MSVOA_N
 ClientSampleId :

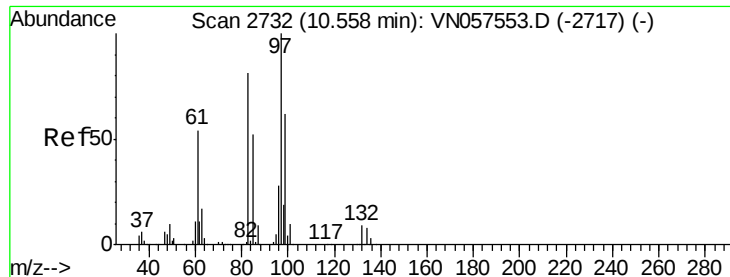
Tot Ion: 75 Resp: 37359
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.590 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion: 75 Resp: 40738
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.0 37.6
 39 48.9 49.2 73.8#





#55

1,1,2-Trichloroethane

Concen: 5.341 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 26192

Ion	Ratio	Lower	Upper
97	100		
83	92.9	73.7	110.5
85	61.1	46.8	70.2
99	60.5	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

20000

15000

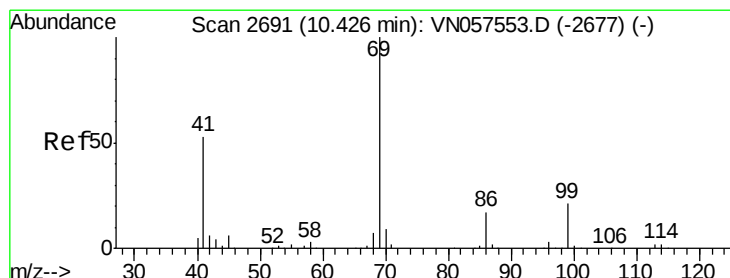
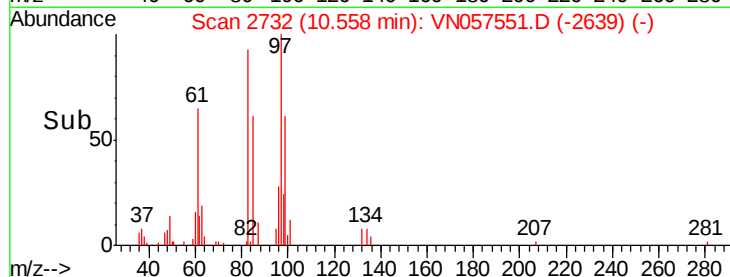
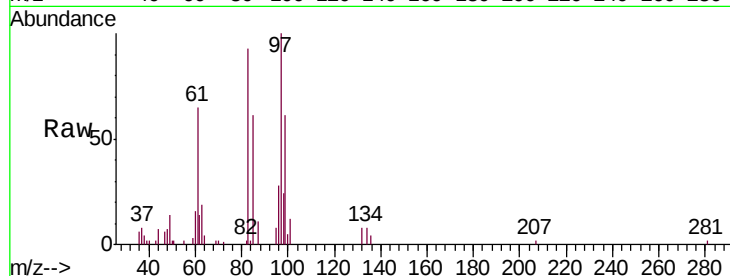
10000

5000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 4.634 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion: 69 Resp: 34422

Ion	Ratio	Lower	Upper
69	100		
41	59.1	60.8	91.2#
39	42.3	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

25000

20000

15000

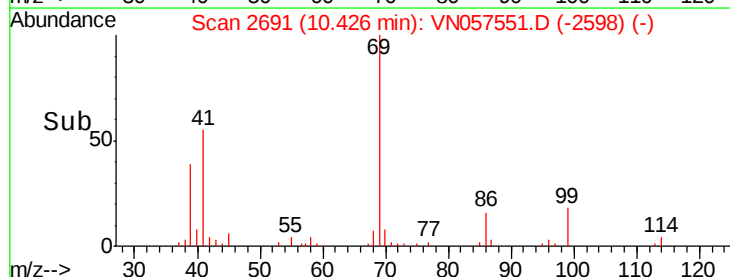
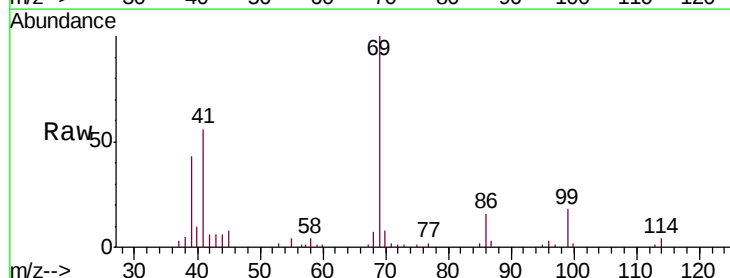
10000

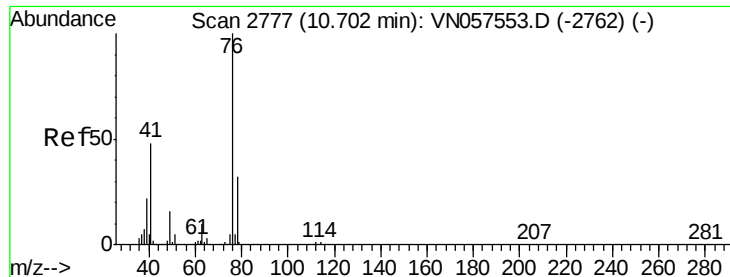
5000

0

10.35 10.40 10.45 10.50

Time-->





#57

1,3-Dichloropropane

Concen: 5.143 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

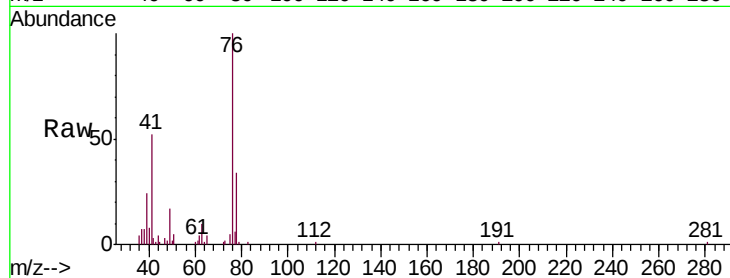
ClientSampled :

Tot Ion: 76 Resp: 42825

Ion Ratio Lower Upper

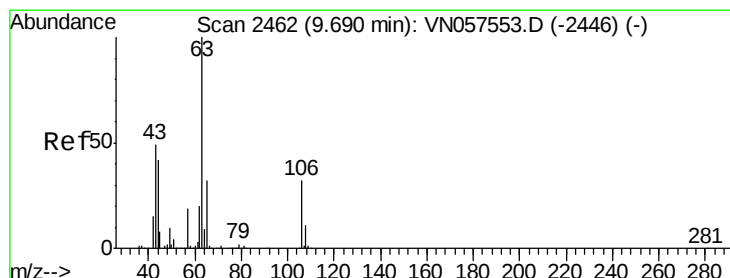
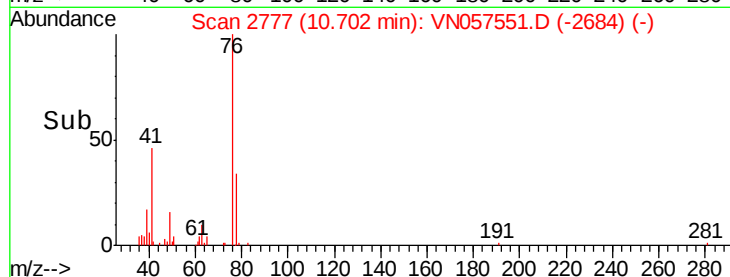
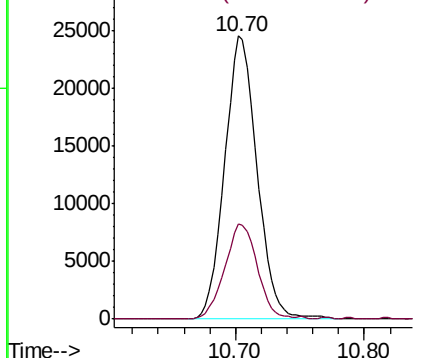
76 100

78 33.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 21.480 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057551.D

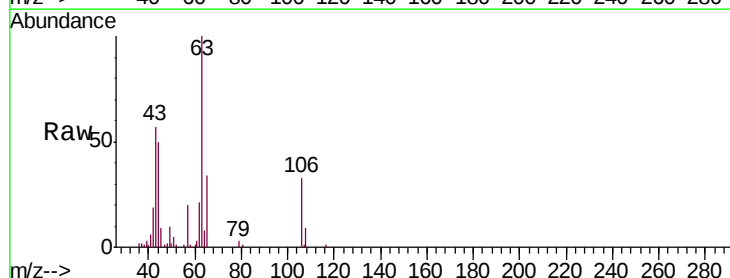
Acq: 29 Aug 2019 15:48

Tgt Ion: 63 Resp: 37726

Ion Ratio Lower Upper

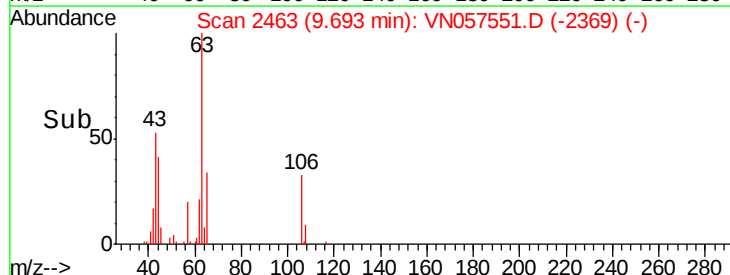
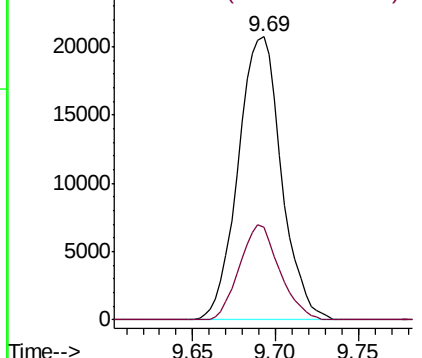
63 100

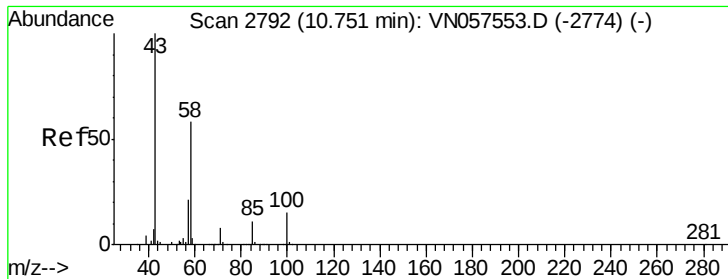
106 30.9 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

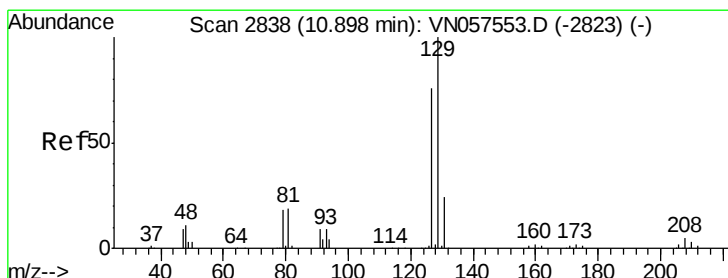
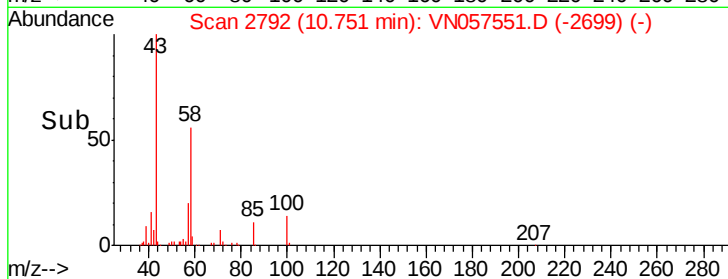
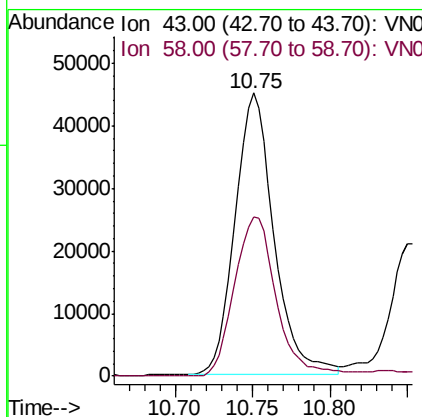
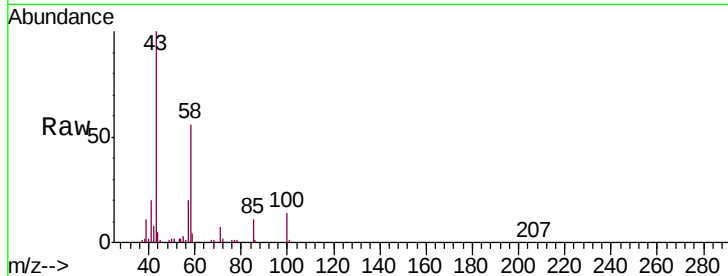




#59
2-Hexanone
Concen: 17.746 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

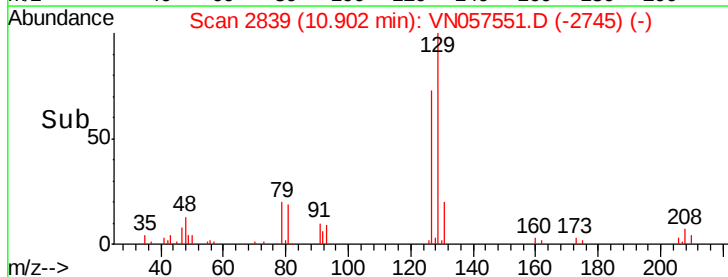
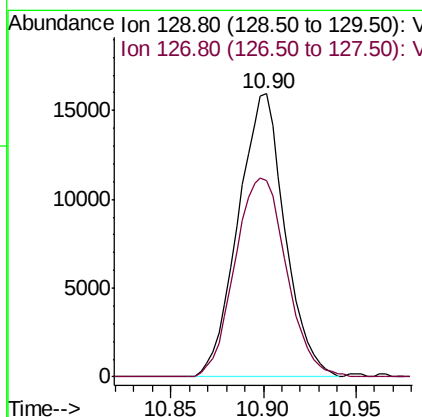
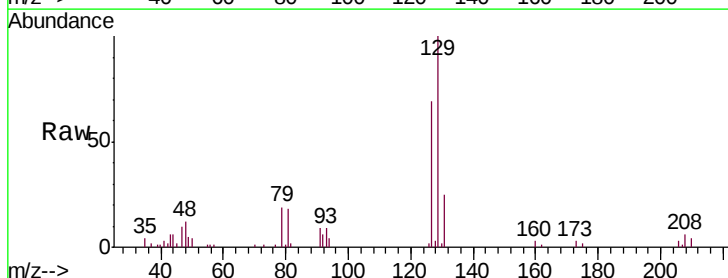
Instrument :
MSVOA_N
ClientSampled :

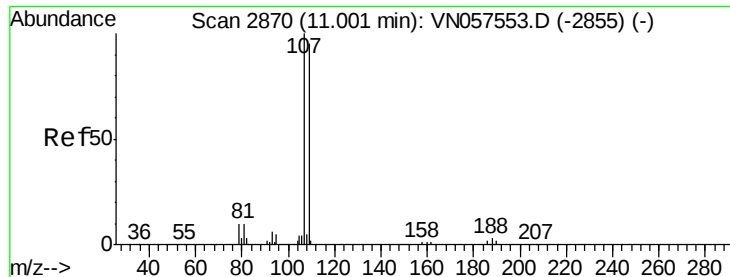
Tot Ion: 43 Resp: 79015
Ion Ratio Lower Upper
43 100
58 61.0 24.6 73.6



#60
Dibromochloromethane
Concen: 5.272 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 129 Resp: 27933
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 5.382 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

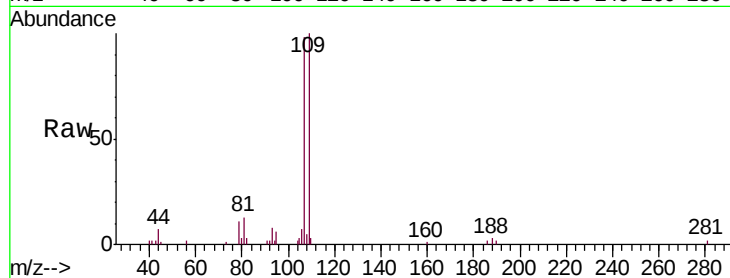
ClientSampleId :

Tot Ion:107 Resp: 26147

Ion Ratio Lower Upper

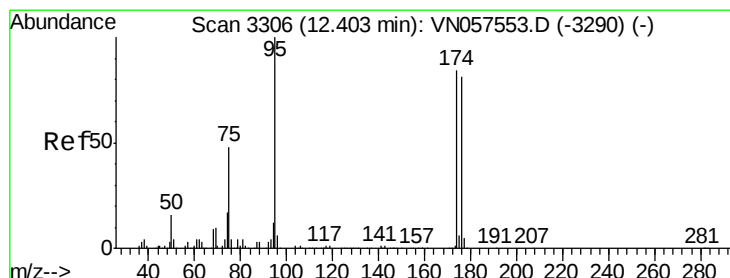
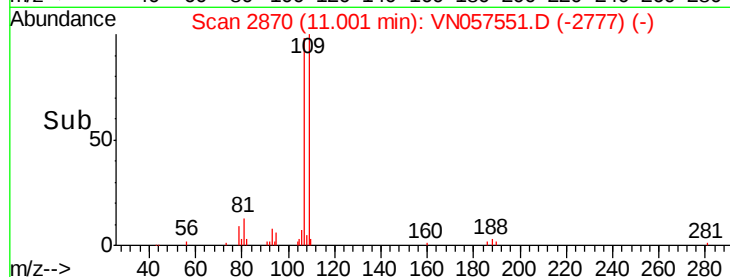
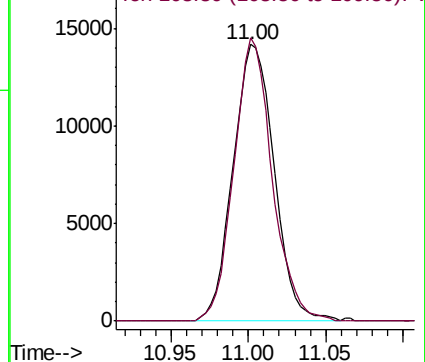
107 100

109 95.4 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.139 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

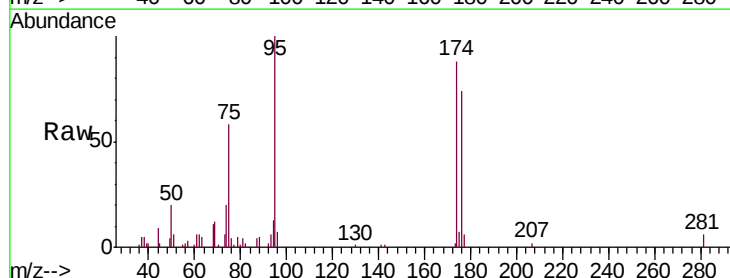
Tgt Ion: 95 Resp: 31031

Ion Ratio Lower Upper

95 100

174 84.7 0.0 133.0

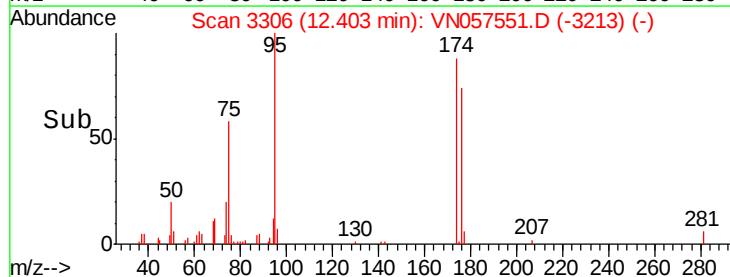
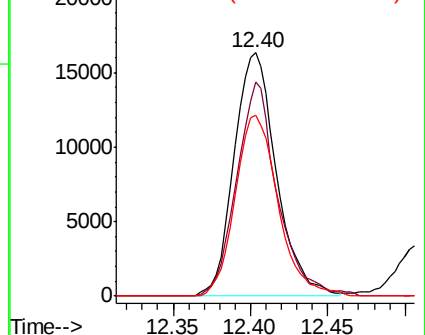
176 75.4 0.0 130.8

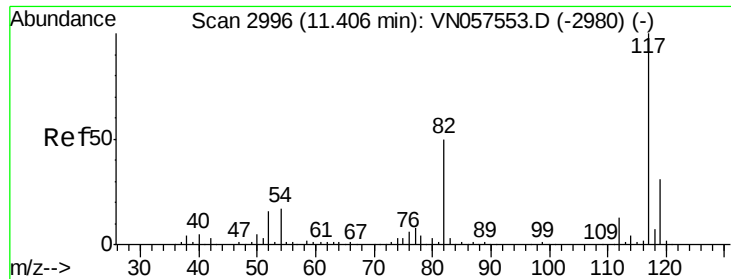


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

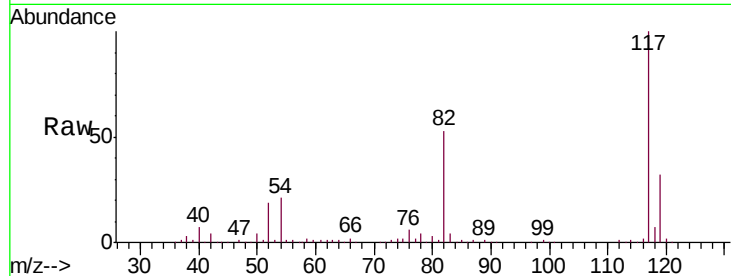
Tot Ion:117 Resp: 559013

Ion Ratio Lower Upper

117 100

82 53.1 50.6 75.8

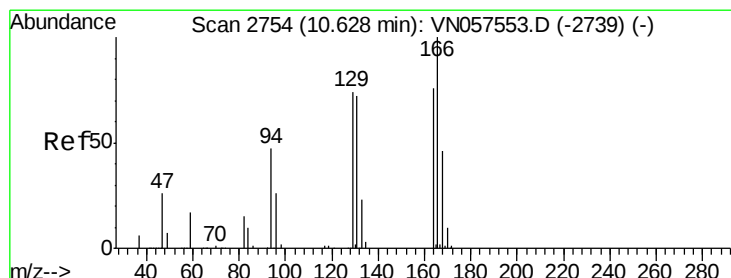
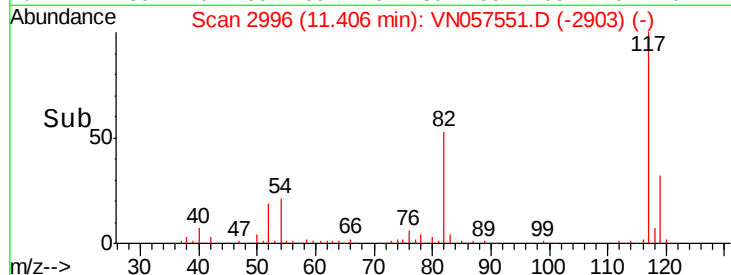
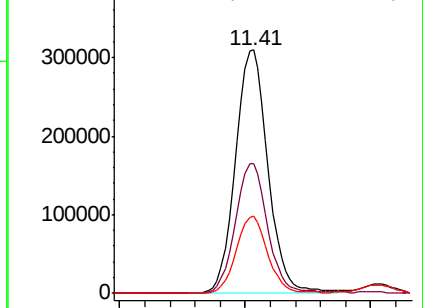
119 31.6 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 7.294 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion:164 Resp: 30658

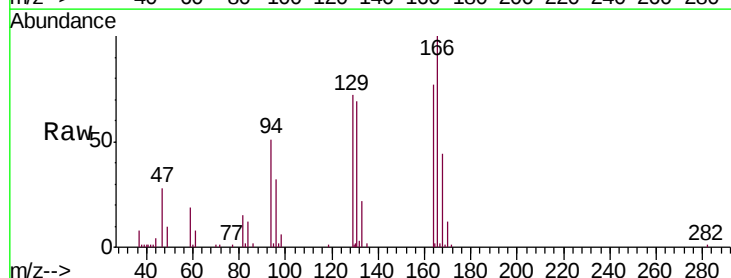
Ion Ratio Lower Upper

164 100

166 129.5 104.4 156.6

129 93.3 86.6 130.0

131 89.3 77.6 116.4

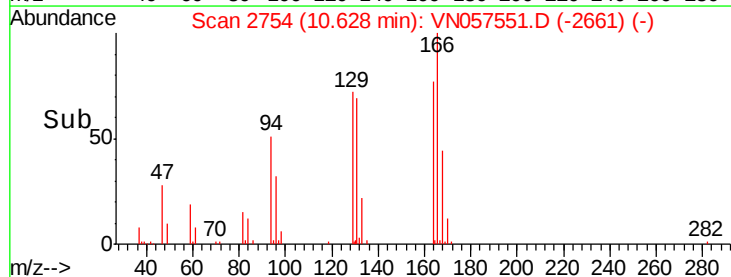
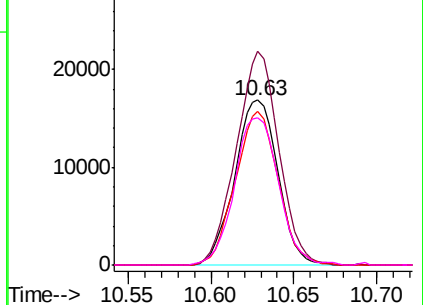


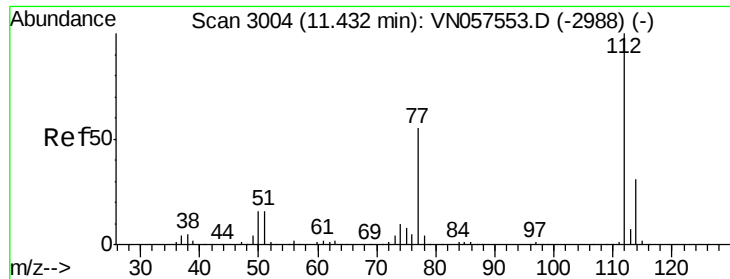
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

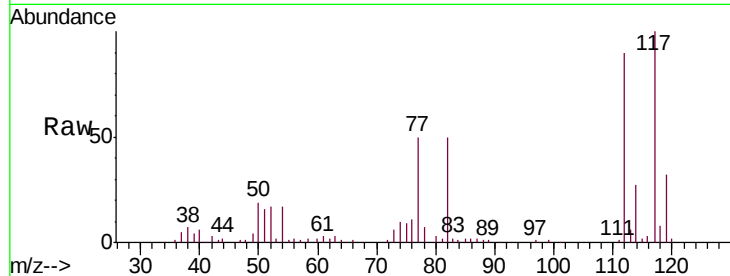




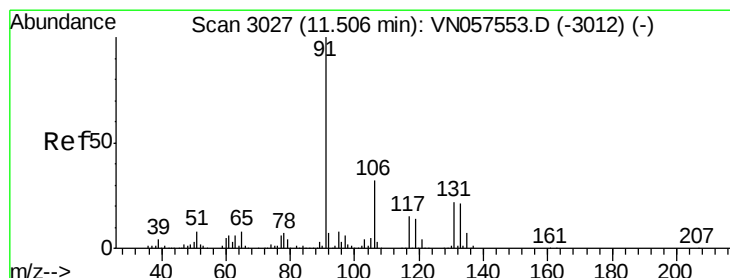
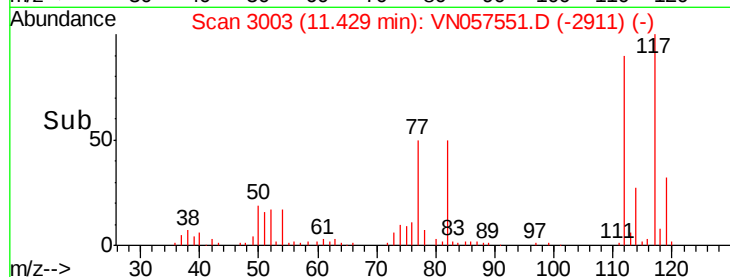
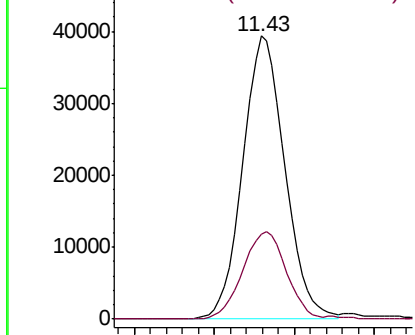
#65
Chlorobenzene
Concen: 5.928 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 70654
Ion Ratio Lower Upper
112 100
114 30.1 24.8 37.2

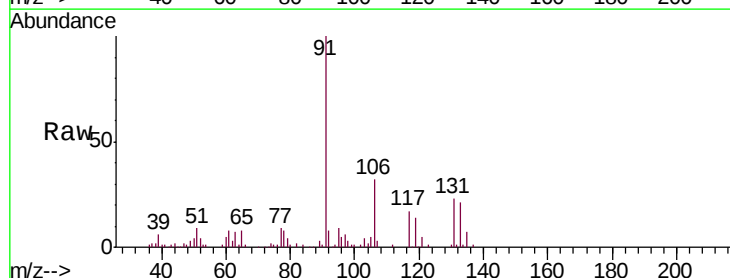


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

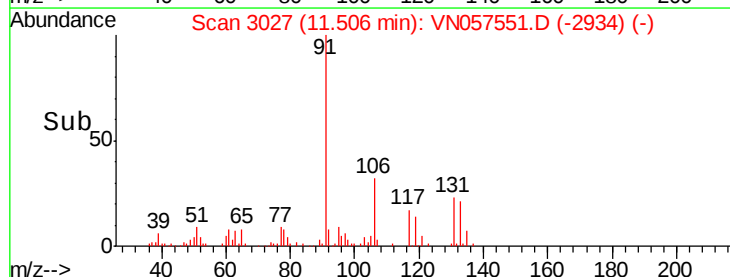
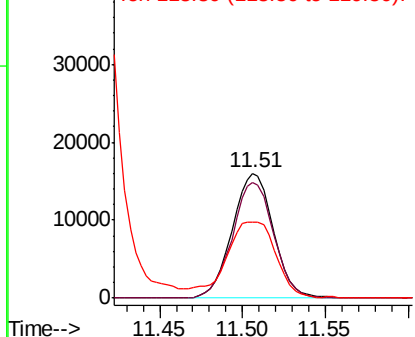


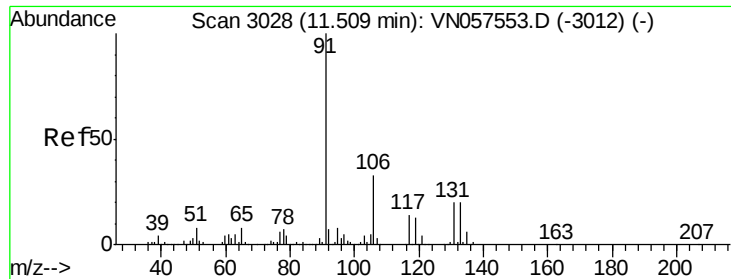
#66
1,1,1,2-Tetrachloroethane
Concen: 6.009 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion:131 Resp: 27618
Ion Ratio Lower Upper
131 100
133 93.2 47.6 142.8
119 71.7 34.4 103.2



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

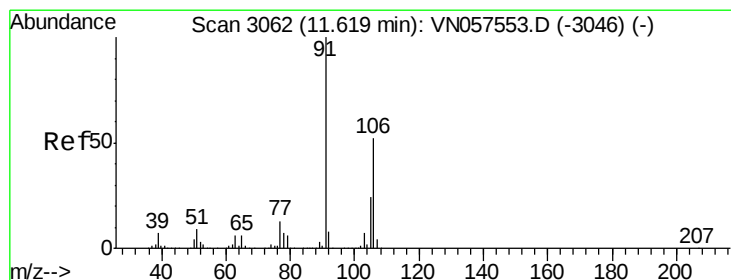
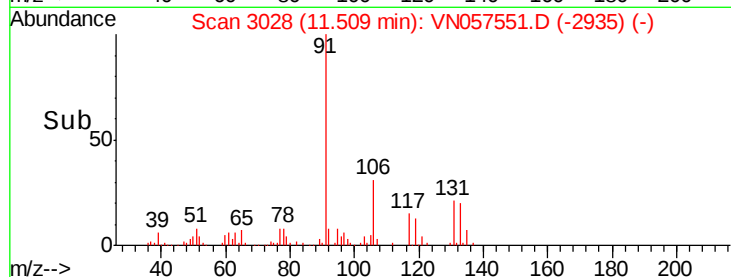
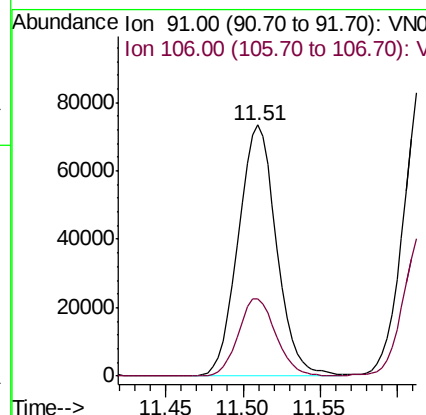
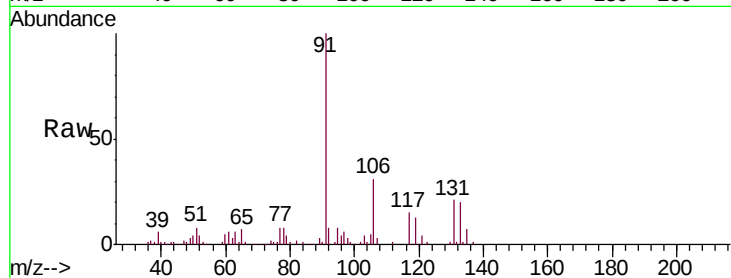




#67
Ethyl Benzene
Concen: 5.564 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

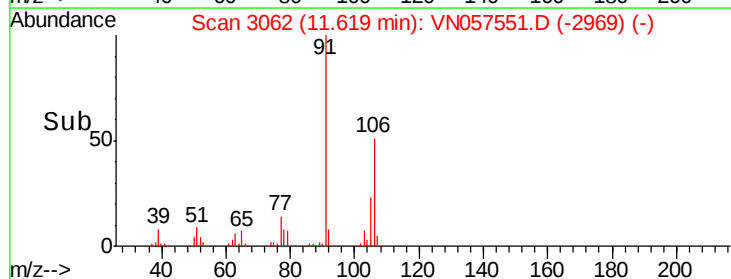
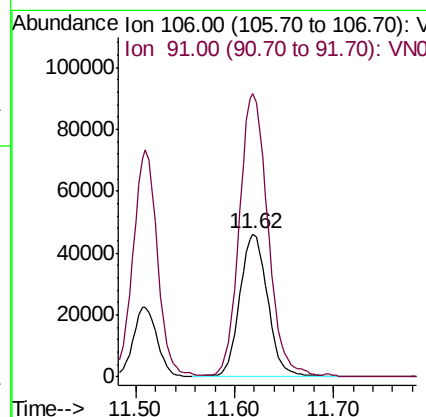
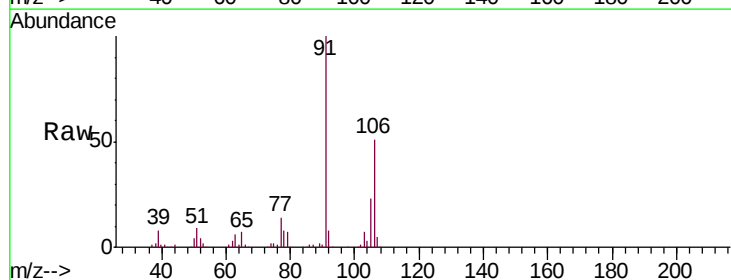
Instrument :
MSVOA_N
ClientSampled :

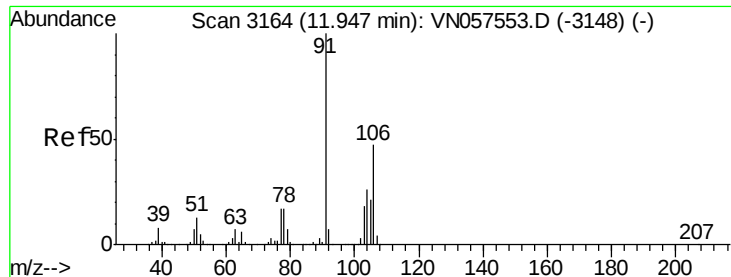
Tot Ion: 91 Resp: 125999
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1



#68
m/p-Xylenes
Concen: 11.594 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 106 Resp: 91245
Ion Ratio Lower Upper
106 100
91 198.7 171.8 257.6

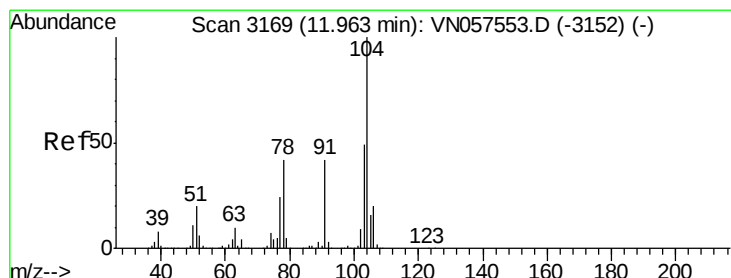
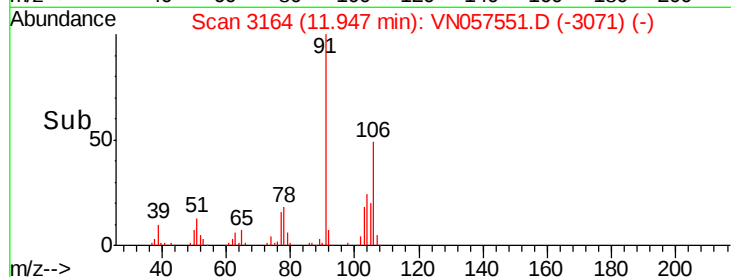
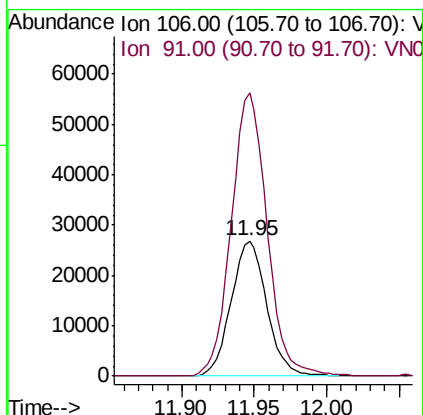
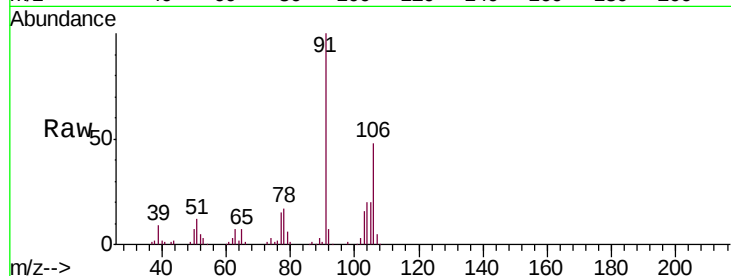




#69
o-Xylene
Concen: 5.878 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

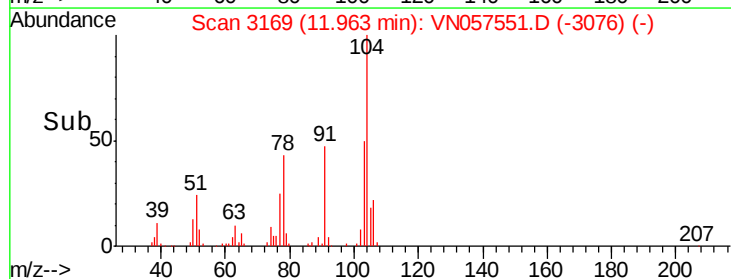
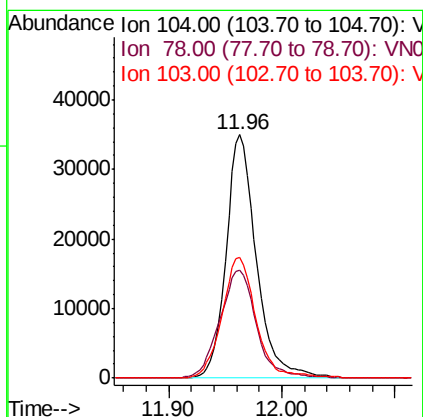
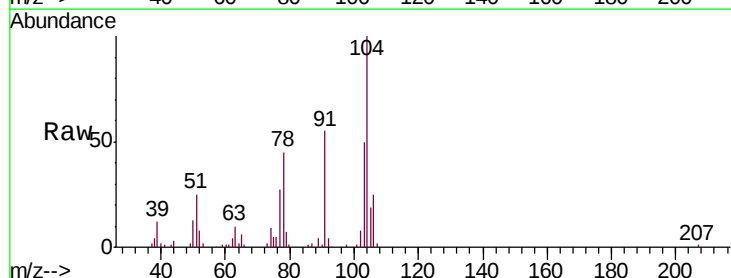
Instrument :
MSVOA_N
ClientSampled :

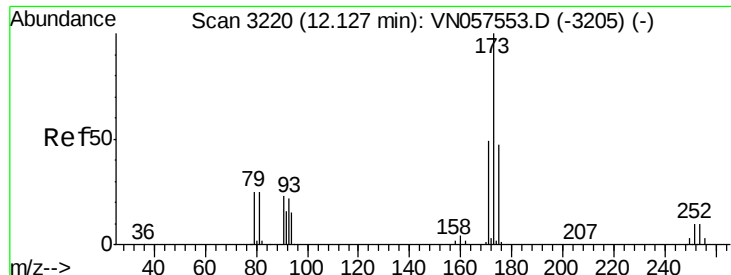
Tot Ion:106 Resp: 45628
Ion Ratio Lower Upper
106 100
91 210.9 112.3 336.9



#70
Styrene
Concen: 5.291 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion:104 Resp: 65124
Ion Ratio Lower Upper
104 100
78 53.6 44.7 67.1
103 55.7 44.4 66.6

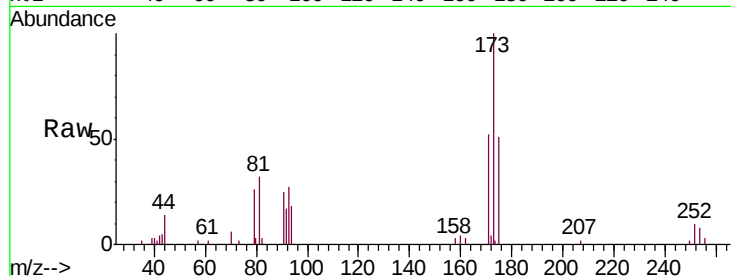




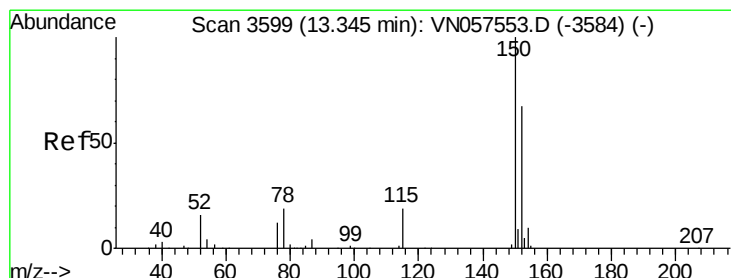
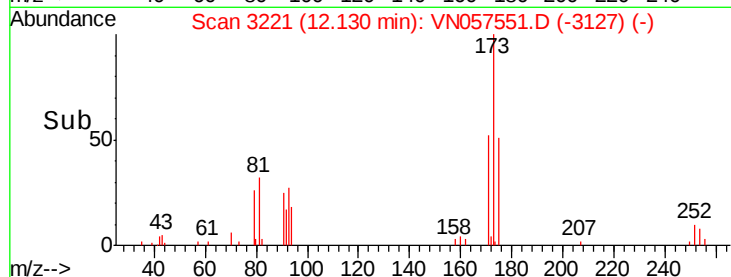
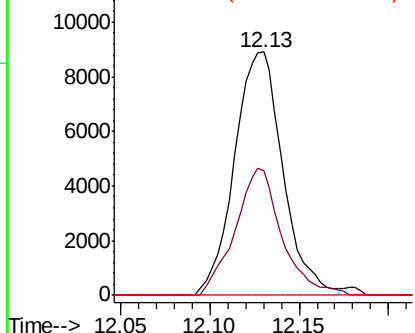
#71
Bromoform
Concen: 5.406 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 16877
Ion Ratio Lower Upper
173 100
175 50.2 23.9 71.8
254 0.0 0.1 0.1#

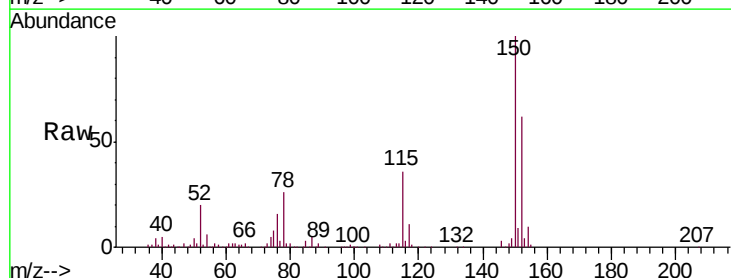


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

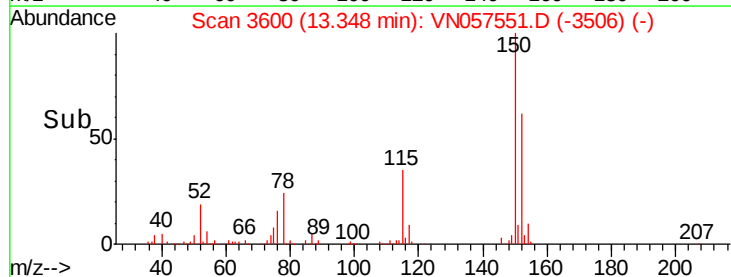
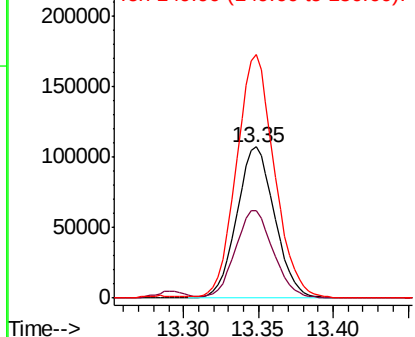


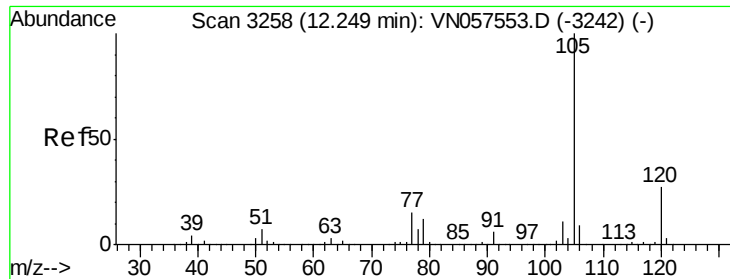
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion:152 Resp: 188866
Ion Ratio Lower Upper
152 100
115 58.0 32.0 96.0
150 161.6 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.654 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

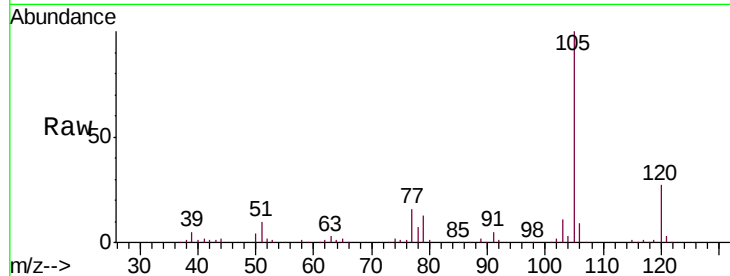
ClientSampleId :

Tot Ion:105 Resp: 119399

Ion Ratio Lower Upper

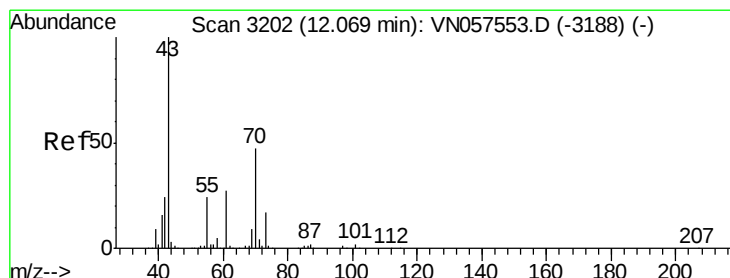
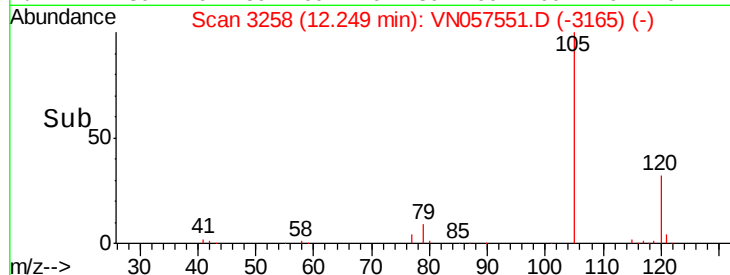
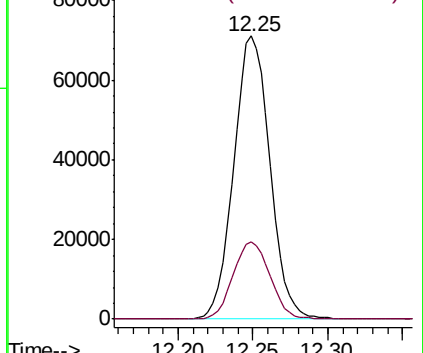
105 100

120 28.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.388 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Tgt Ion: 43 Resp: 30626

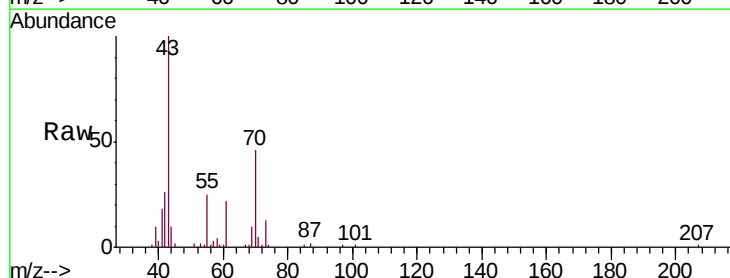
Ion Ratio Lower Upper

43 100

70 50.3 27.8 41.6#

55 26.3 17.0 25.4#

61 26.6 17.0 25.6#

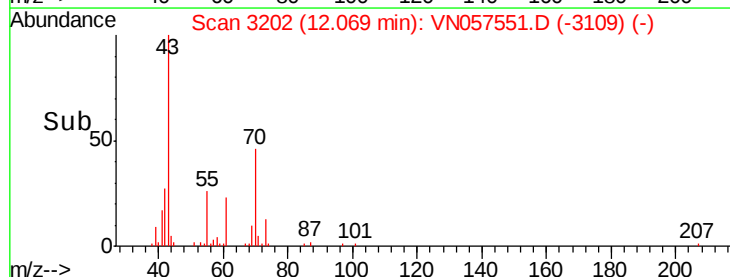
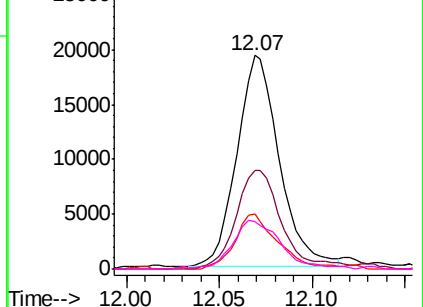


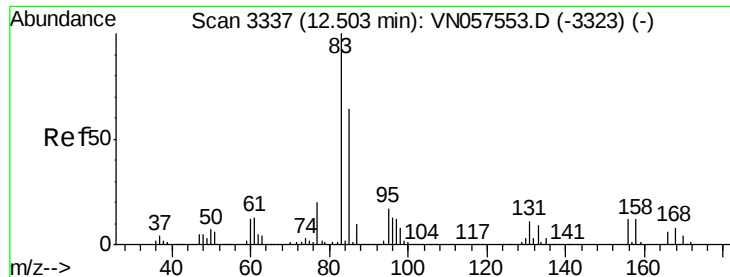
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 4.741 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

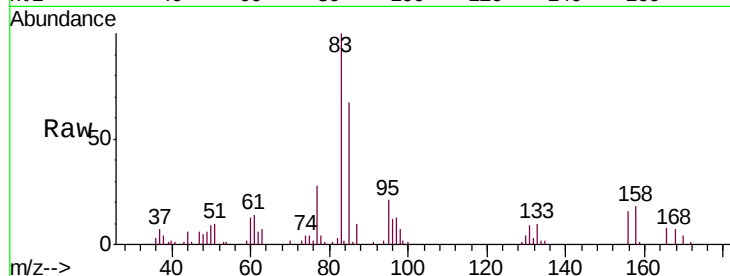
Tot Ion: 83 Resp: 28715

Ion Ratio Lower Upper

83 100

131 10.3 4.3 13.1

85 64.9 32.3 96.8



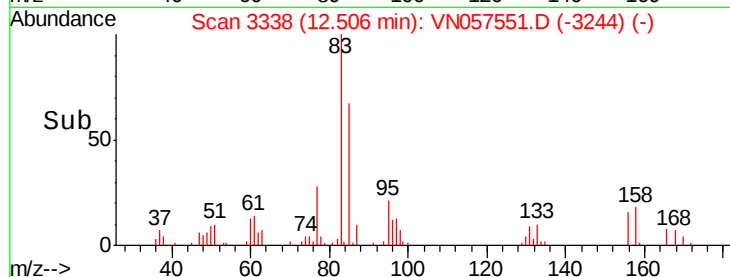
Abundance Ion 82.90 (82.60 to 83.60): VN057551.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN057551.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN057551.D (-3338) (-)

12.51

Time-->



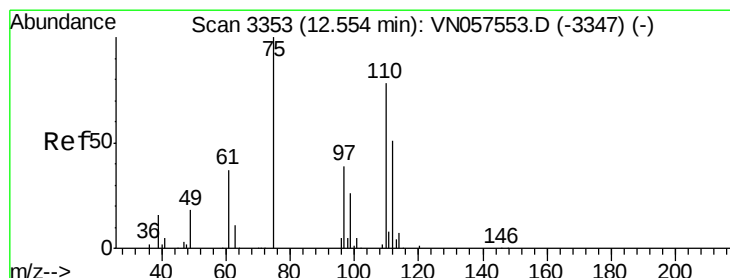
Abundance Ion 82.90 (82.60 to 83.60): VN057551.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN057551.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN057551.D (-3338) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 8.001 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057551.D

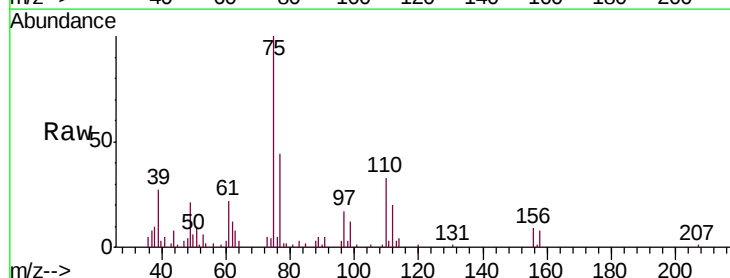
Acq: 29 Aug 2019 15:48

Tgt Ion: 75 Resp: 37471

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

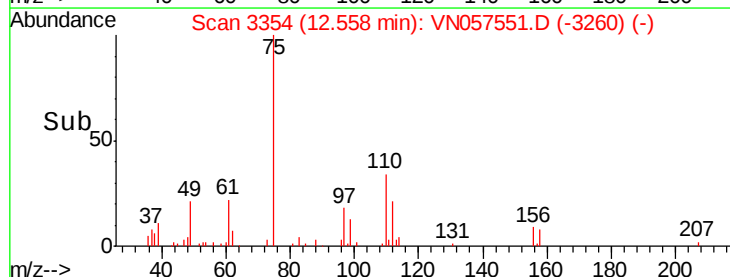


Abundance Ion 74.90 (74.60 to 75.60): VN057551.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN057551.D (-3354) (-)

12.56

Time-->

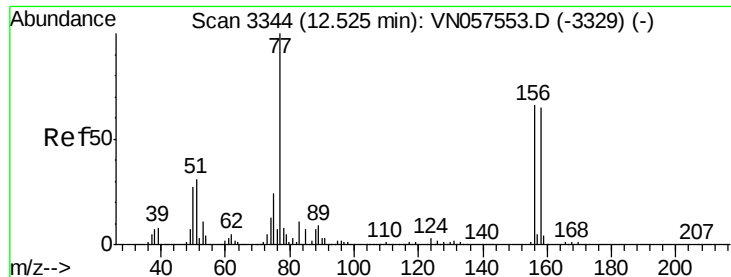


Abundance Ion 74.90 (74.60 to 75.60): VN057551.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN057551.D (-3354) (-)

12.56

Time-->



#77

Bromobenzene

Concen: 6.164 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

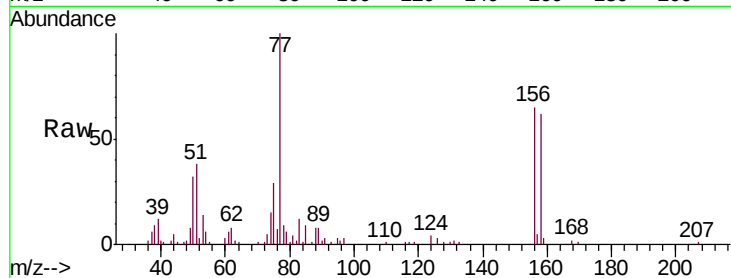
Tot Ion:156 Resp: 26440

Ion Ratio Lower Upper

156 100

77 204.7 124.4 373.3

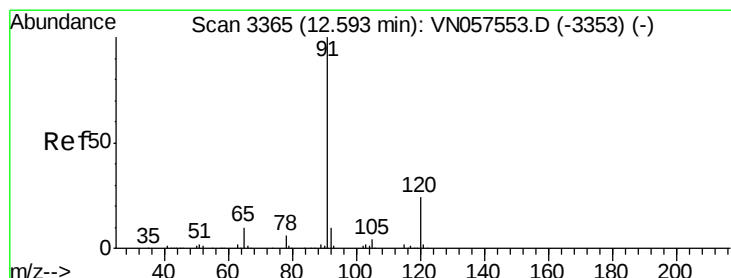
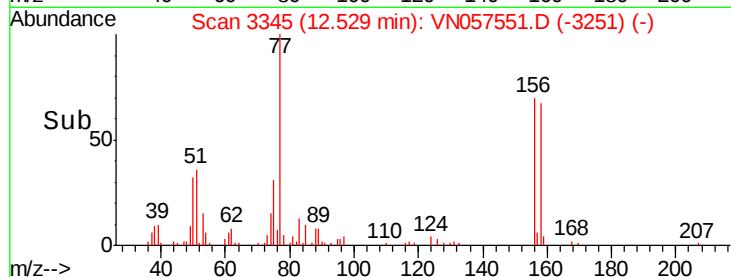
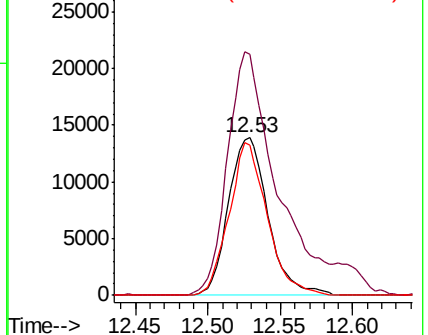
158 92.9 48.3 144.8



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: 5.269 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057551.D

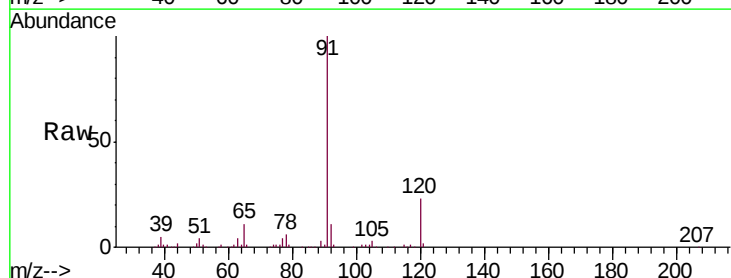
Acq: 29 Aug 2019 15:48

Tgt Ion: 91 Resp: 117170

Ion Ratio Lower Upper

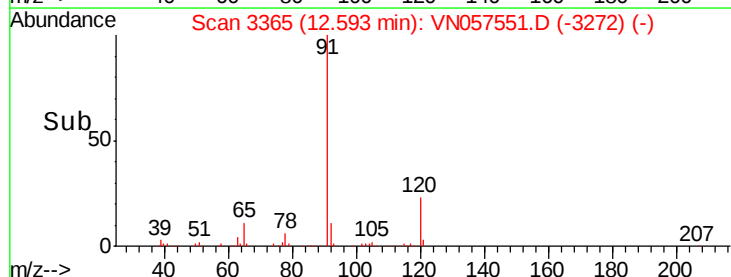
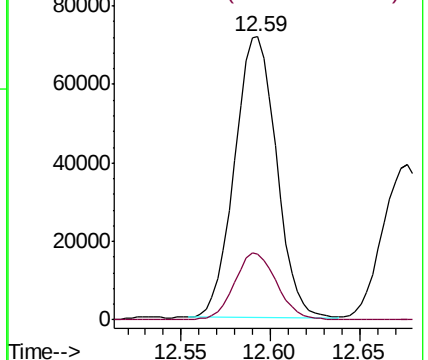
91 100

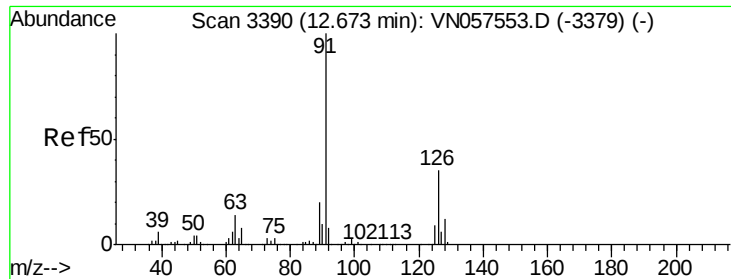
120 24.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.229 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

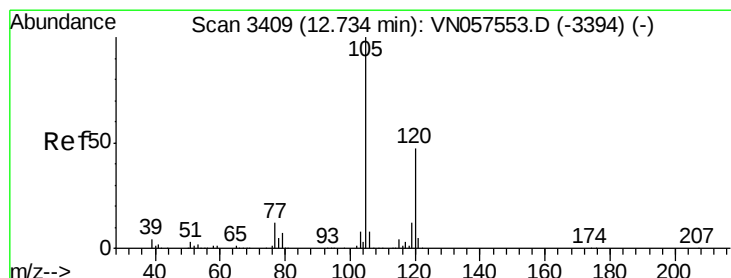
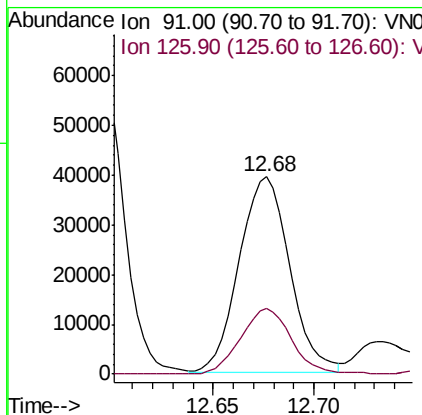
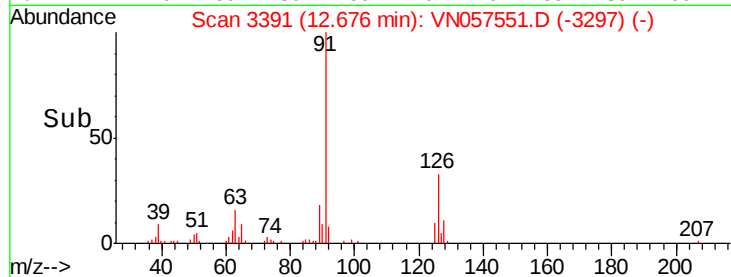
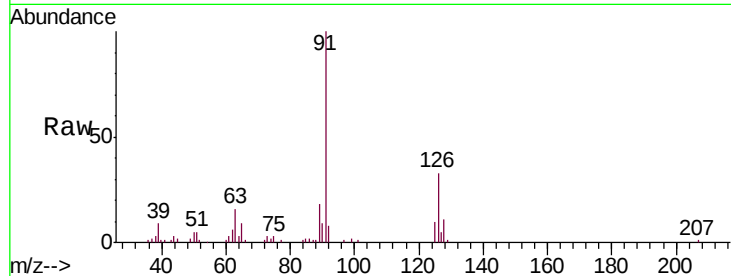
ClientSampled :

Tot Ion: 91 Resp: 69295

Ion Ratio Lower Upper

91 100

126 33.7 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 5.517 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057551.D

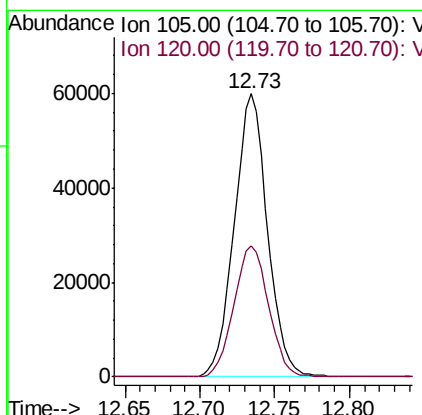
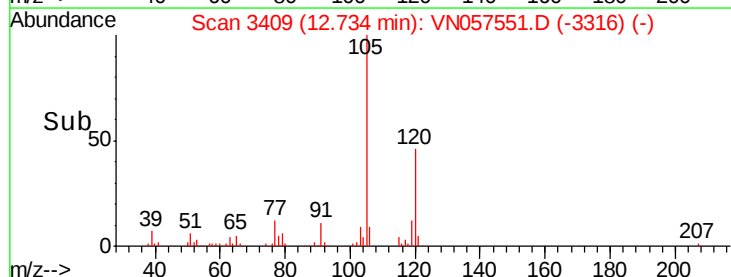
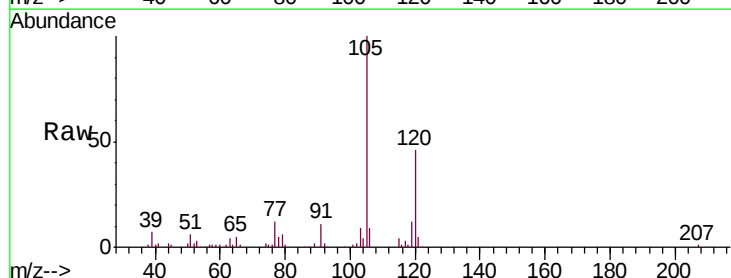
Acq: 29 Aug 2019 15:48

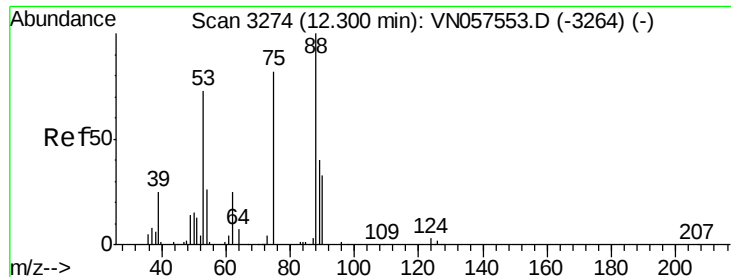
Tgt Ion: 105 Resp: 92278

Ion Ratio Lower Upper

105 100

120 48.4 23.3 69.8

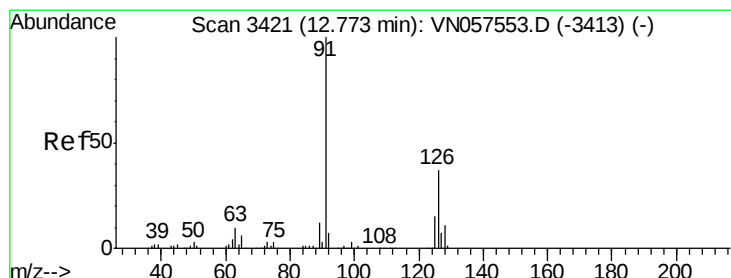
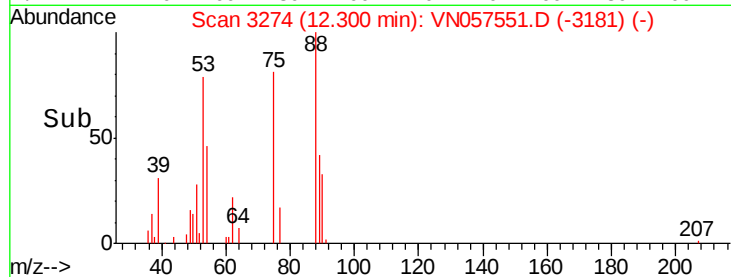
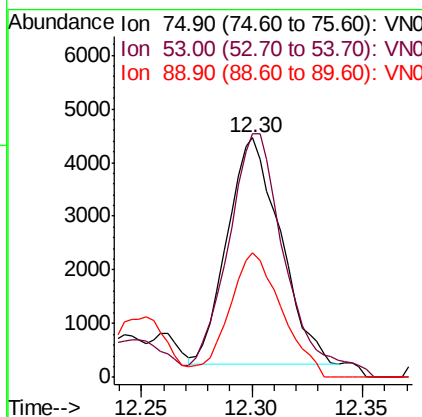
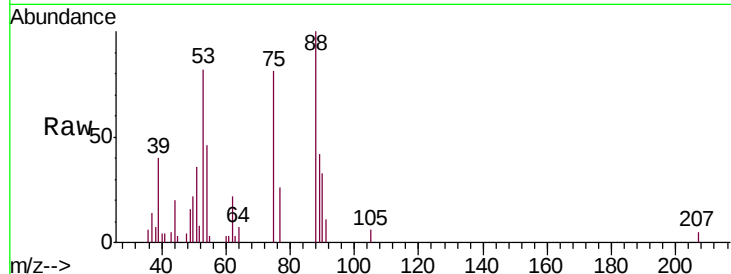




#81
trans-1,4-Dichloro-2-butene
Concen: 3.973 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

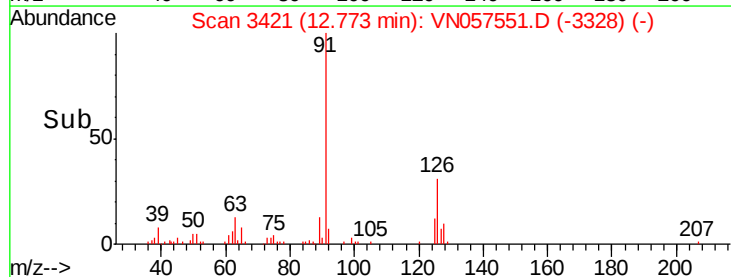
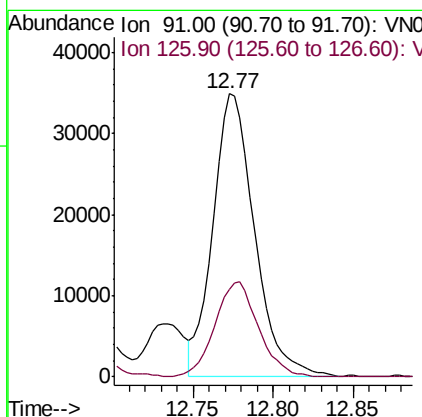
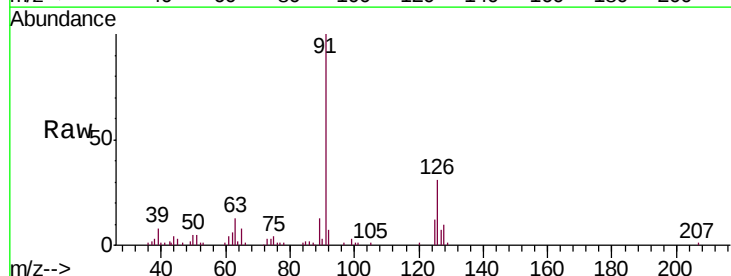
Instrument :
MSVOA_N
ClientSampleId :

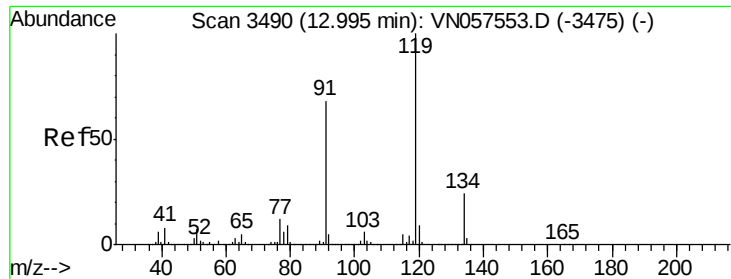
Tot Ion: 75 Resp: 7073
Ion Ratio Lower Upper
75 100
53 116.3 82.7 124.1
89 54.8 35.8 53.8#



#82
4-Chlorotoluene
Concen: 4.955 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion: 91 Resp: 62759
Ion Ratio Lower Upper
91 100
126 34.9 15.0 45.0

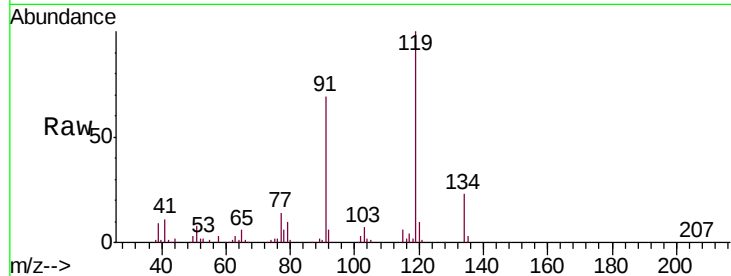




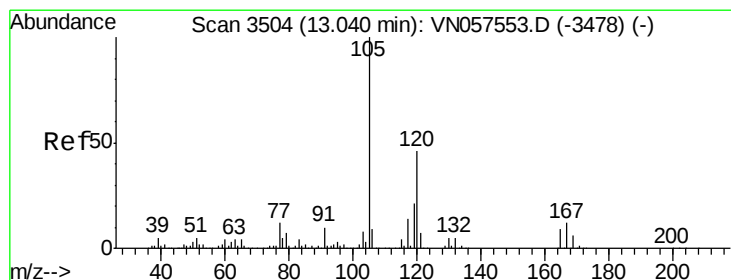
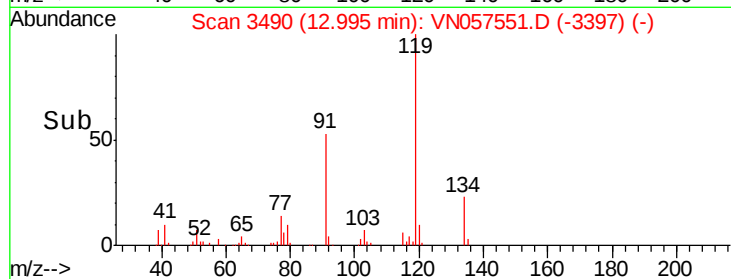
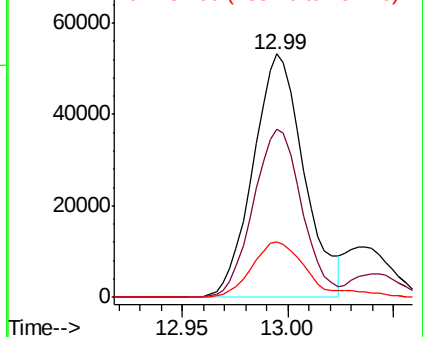
#83
tert-Butylbenzene
Concen: 5.986 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 89466
Ion Ratio Lower Upper
119 100
91 66.1 37.0 111.0
134 23.1 12.2 36.6

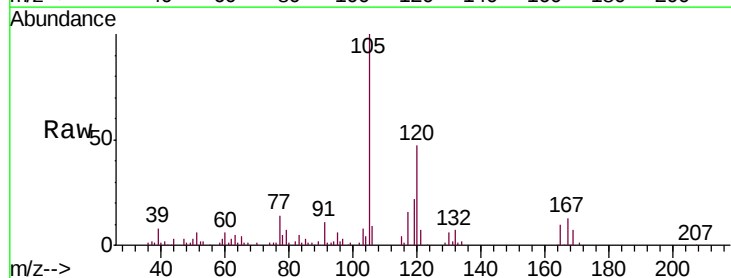


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

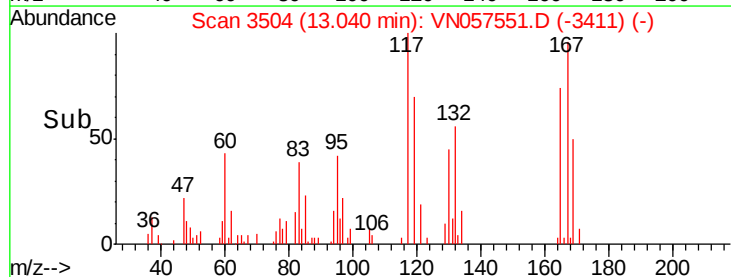
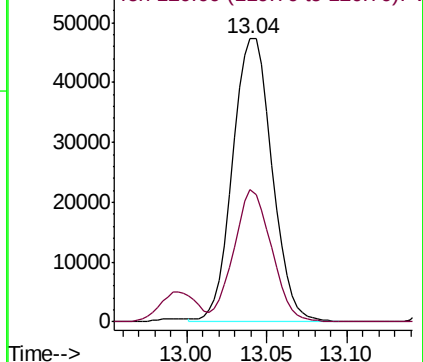


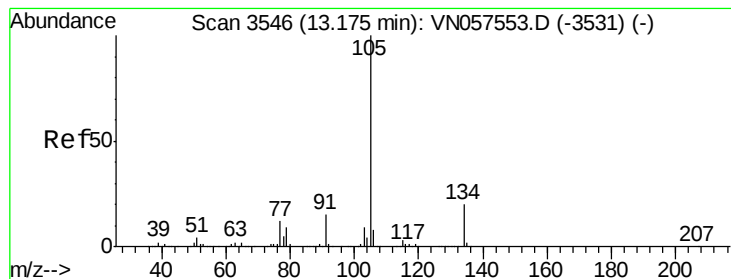
#84
1,2,4-Trimethylbenzene
Concen: 5.366 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion:105 Resp: 79628
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.7



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





#85

sec-Butylbenzene

Concen: 5.507 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

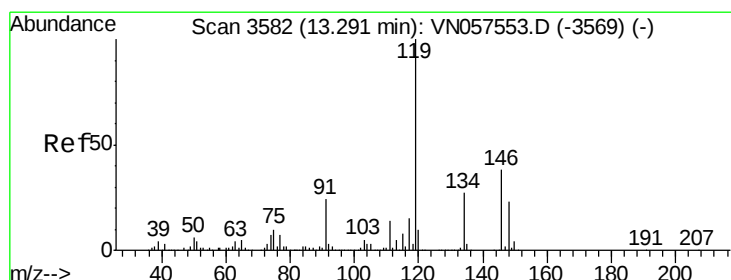
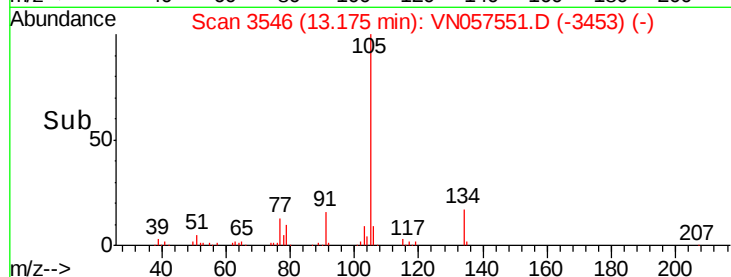
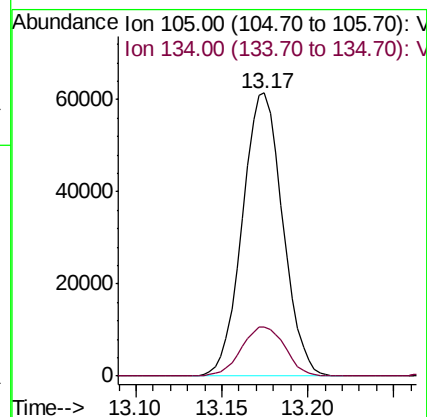
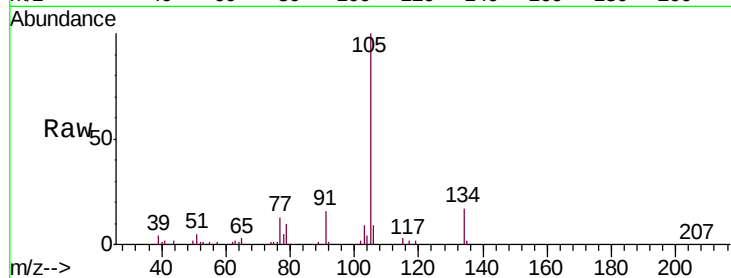
ClientSampleId :

Tot Ion:105 Resp: 100306

Ion Ratio Lower Upper

105 100

134 18.7 9.3 27.9



#86

p-Isopropyltoluene

Concen: 5.619 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

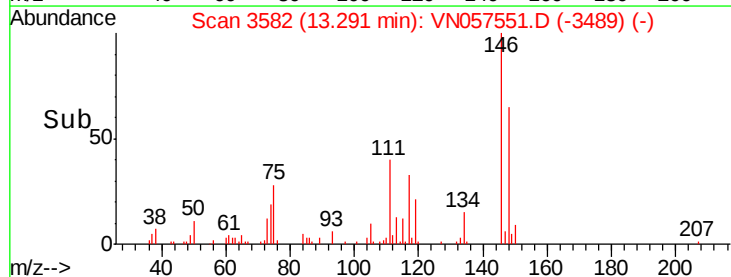
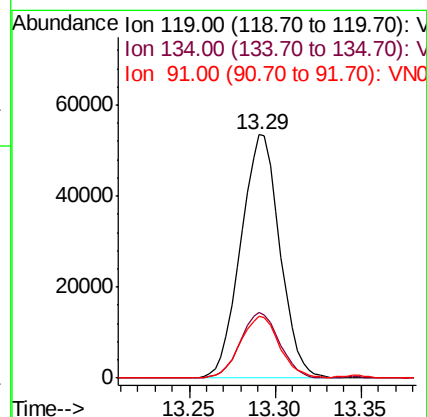
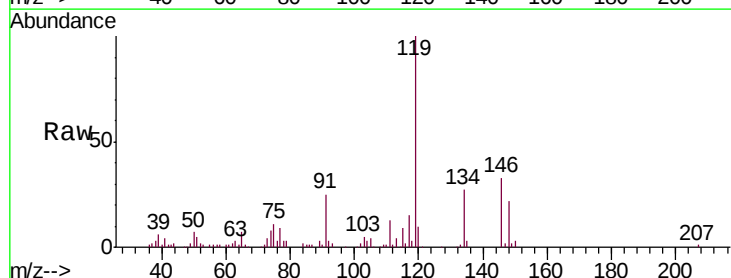
Tgt Ion:119 Resp: 84475

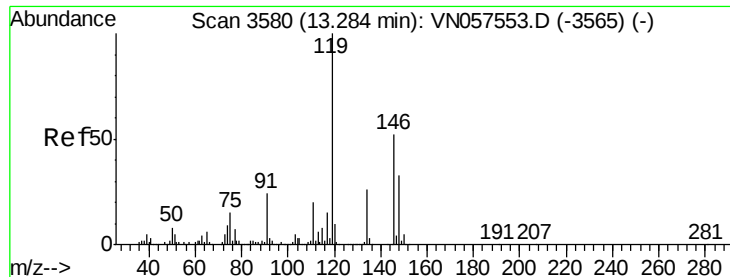
Ion Ratio Lower Upper

119 100

134 26.8 12.7 38.1

91 25.7 13.9 41.6

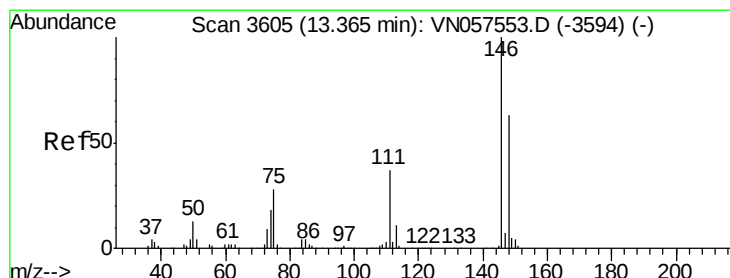
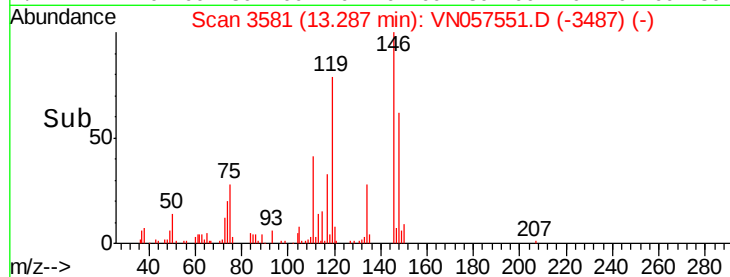
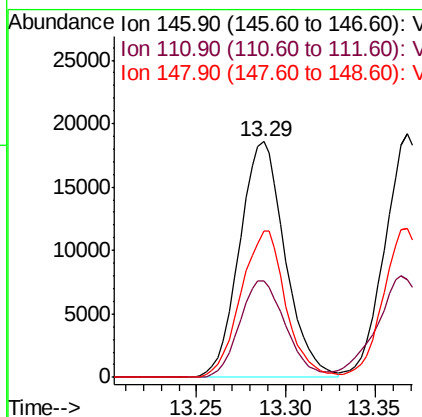
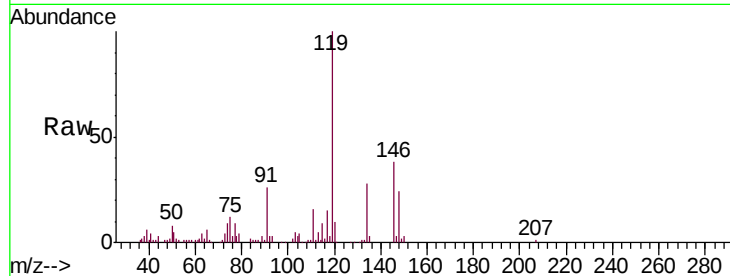




#87
 1,3-Dichlorobenzene
 Concen: 5.268 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

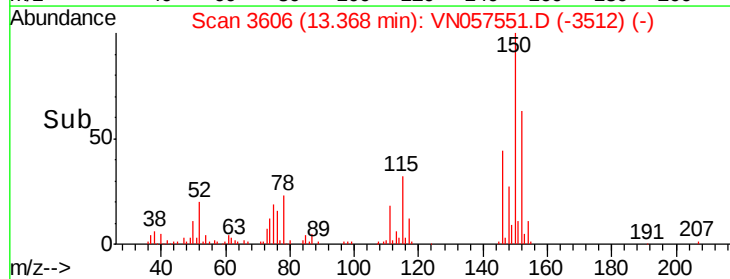
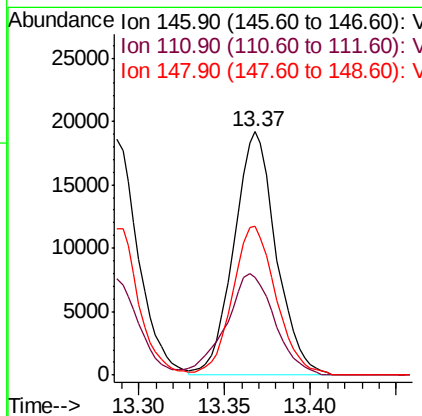
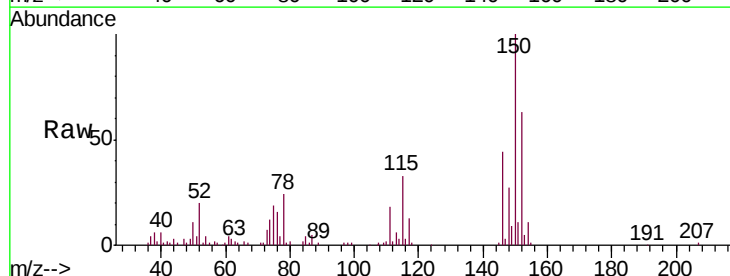
Instrument :
 MSVOA_N
 ClientSampled :

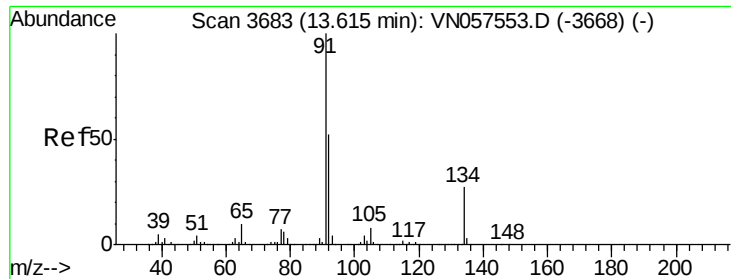
Tot Ion:146 Resp: 33209
 Ion Ratio Lower Upper
 146 100
 111 41.2 22.1 66.1
 148 61.1 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 5.348 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion:146 Resp: 32868
 Ion Ratio Lower Upper
 146 100
 111 48.4 21.9 65.5
 148 63.3 31.1 93.2





#89

n-Butylbenzene

Concen: 4.894 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

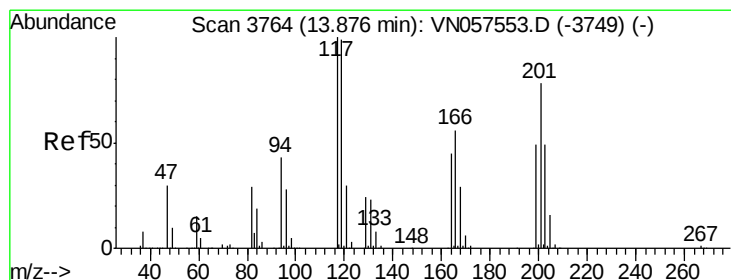
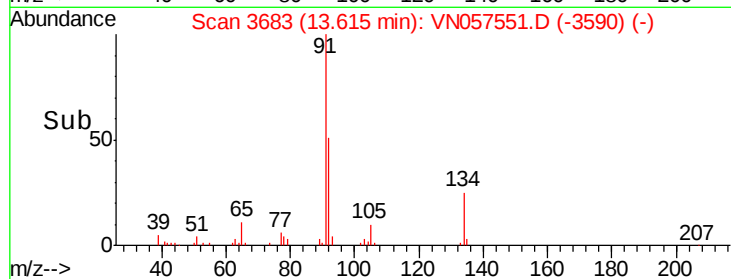
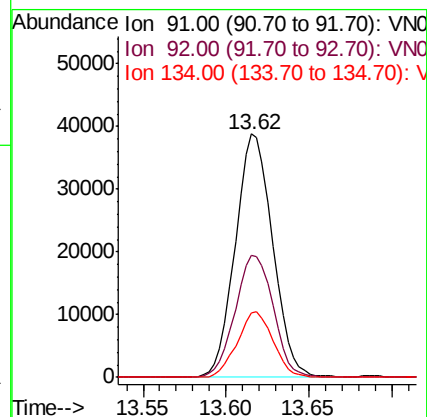
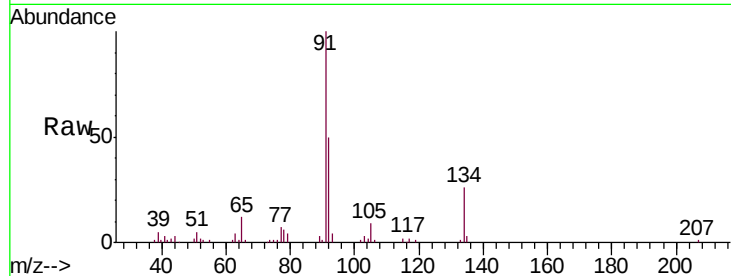
Tot Ion: 91 Resp: 60947

Ion Ratio Lower Upper

91 100

92 51.1 25.7 77.0

134 25.6 11.4 34.1



#90

Hexachloroethane

Concen: 4.996 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057551.D

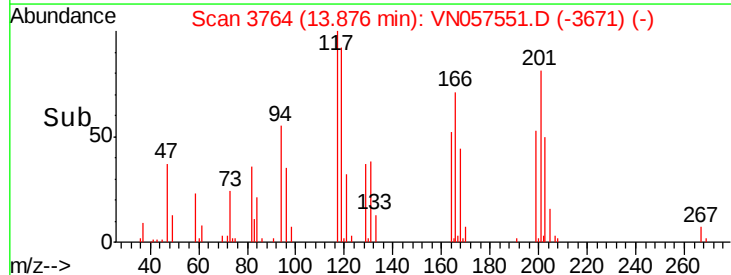
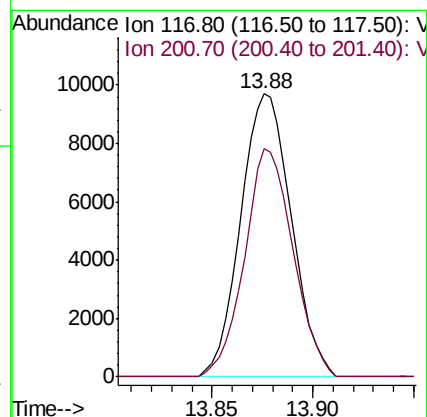
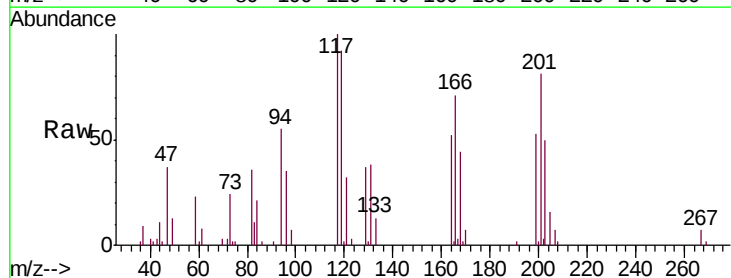
Acq: 29 Aug 2019 15:48

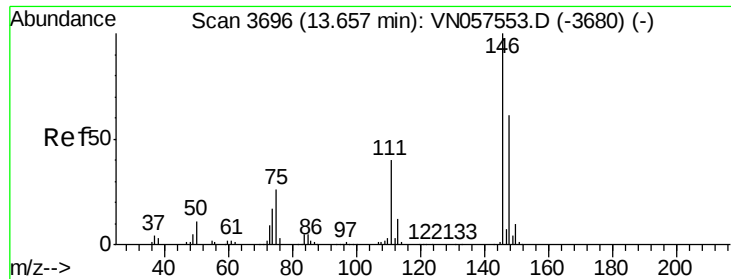
Tgt Ion: 117 Resp: 17012

Ion Ratio Lower Upper

117 100

201 77.2 33.1 99.3





#91

1,2-Dichlorobenzene

Concen: 4.976 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

Instrument :

MSVOA_N

ClientSampled :

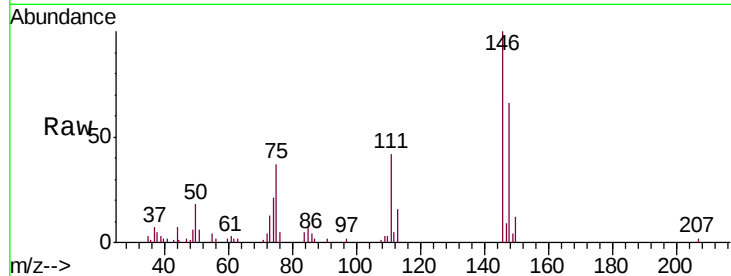
Tot Ion:146 Resp: 29919

Ion Ratio Lower Upper

146 100

111 40.1 23.1 69.2

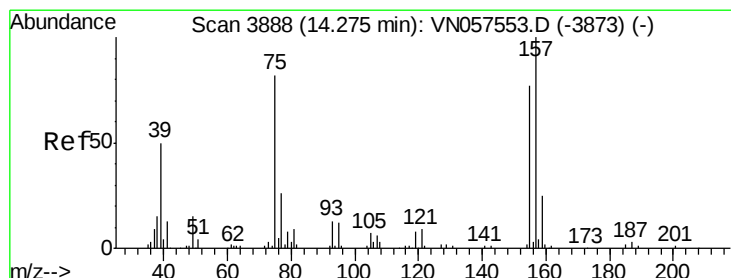
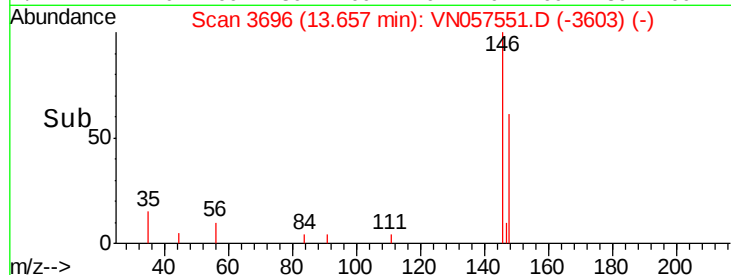
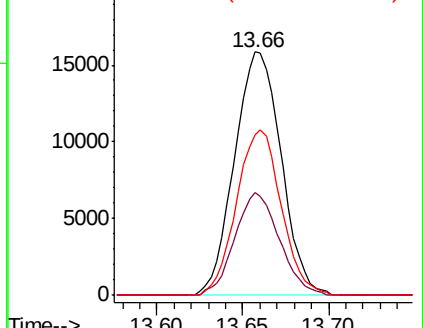
148 64.9 31.8 95.4



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: 4.184 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057551.D

Acq: 29 Aug 2019 15:48

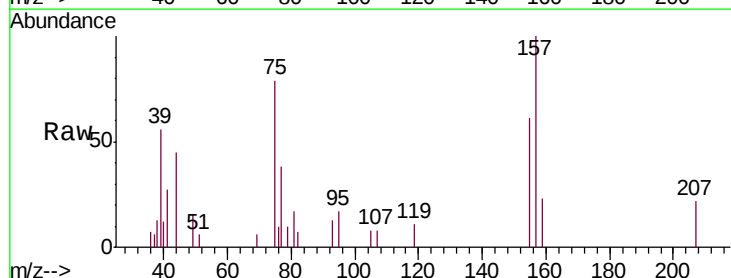
Tgt Ion: 75 Resp: 4079

Ion Ratio Lower Upper

75 100

155 73.6 31.6 94.7

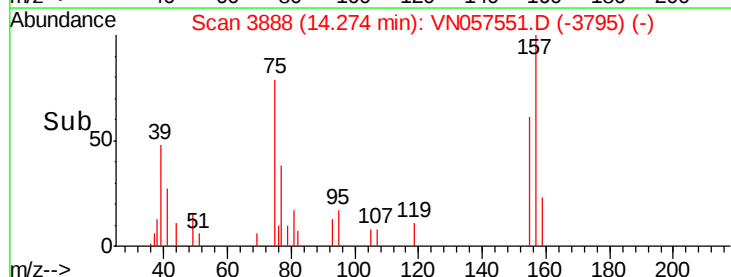
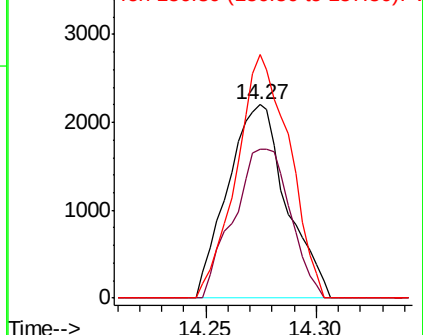
157 113.0 43.3 129.8

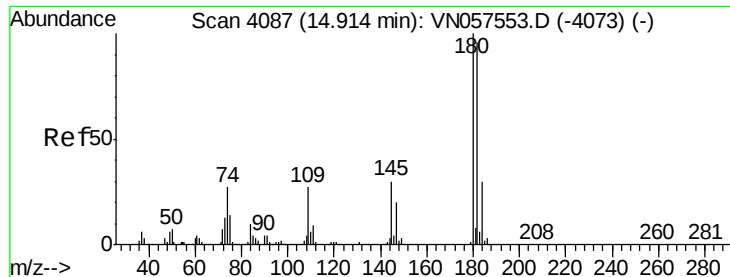


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

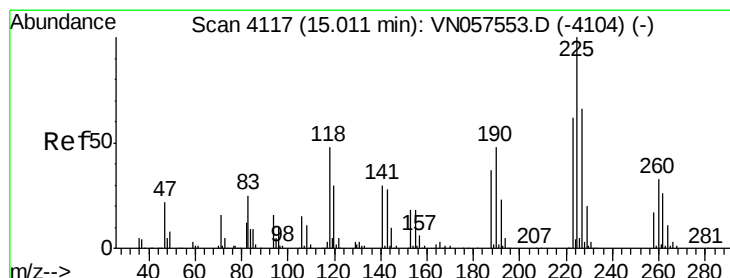
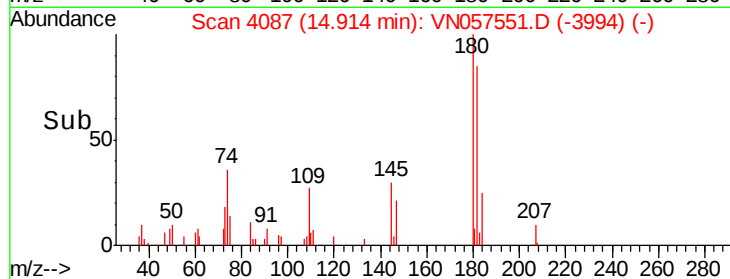
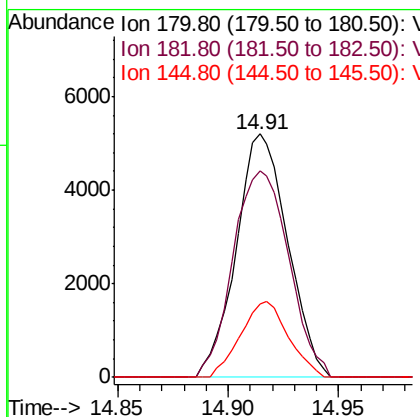
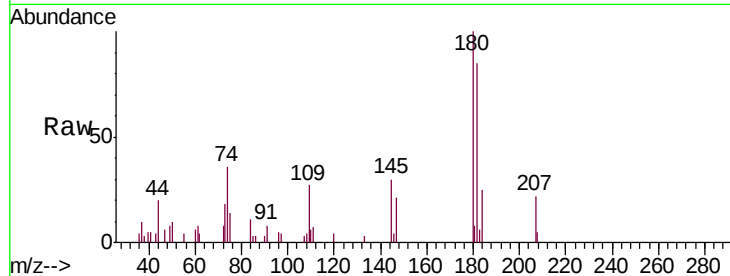




#93
 1,2,4-Trichlorobenzene
 Concen: 3.821 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

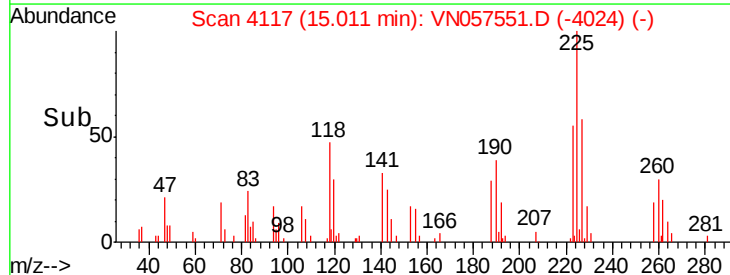
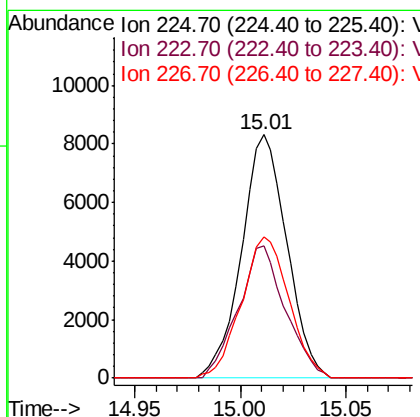
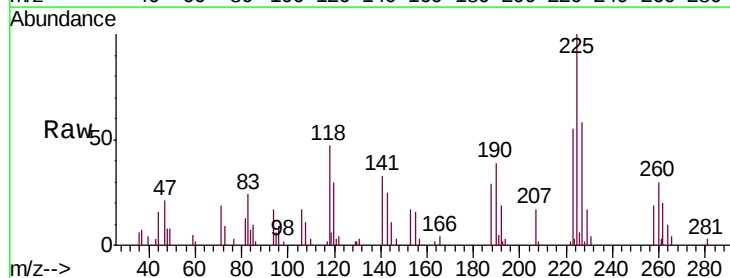
Instrument :
 MSVOA_N
 ClientSampleId :

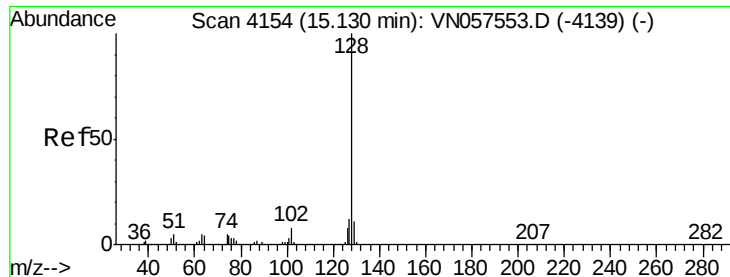
Tot Ion:180 Resp: 8402
 Ion Ratio Lower Upper
 180 100
 182 92.0 46.7 140.1
 145 29.0 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 6.610 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057551.D
 Acq: 29 Aug 2019 15:48

Tgt Ion:225 Resp: 12393
 Ion Ratio Lower Upper
 225 100
 223 56.2 32.0 96.2
 227 61.0 31.5 94.5

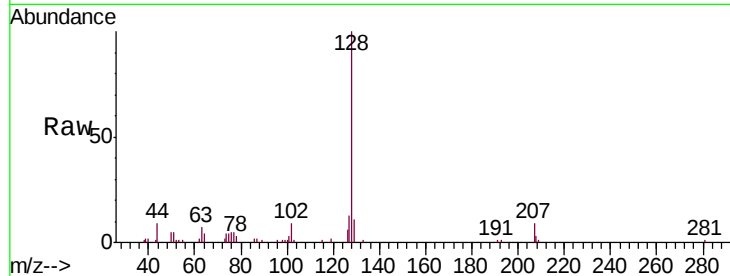




#95
Naphthalene
Concen: 3.636 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	11.6	8.6	13.0

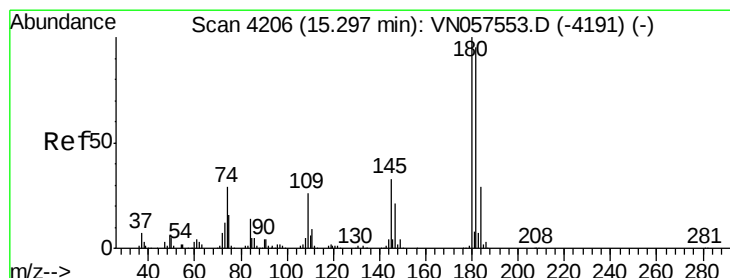
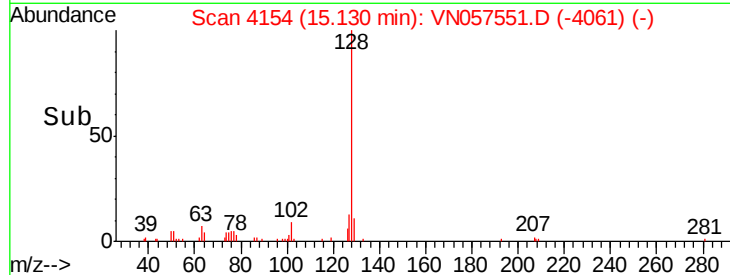
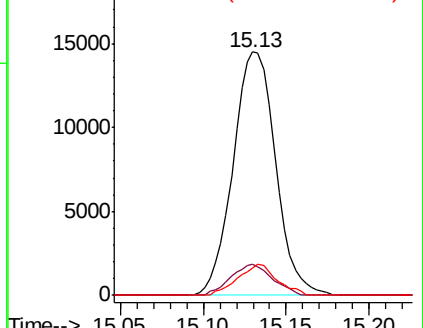


Abundance

Ion 128.00 (127.70 to 128.70): V

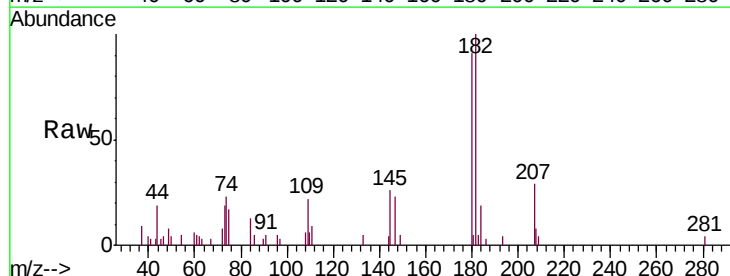
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.698 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057551.D
Acq: 29 Aug 2019 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	46.7	140.1
145	30.6	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

