

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057290.D
 Acq On : 14 Aug 2019 16:39
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 19:36:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	850535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1273544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1101494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319100	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	49207	5.74	ug/l	0.00
Spiked Amount			Recovery	=	11.48%	
35) Dibromofluoromethane	7.58	113	45460	5.64	ug/l	0.00
Spiked Amount			Recovery	=	11.28%	
50) Toluene-d8	10.08	98	143684	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	51113	5.04	ug/l	0.00
Spiked Amount			Recovery	=	10.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	39947	5.605	ug/l	96
3) Chloromethane	2.06	50	46837	5.791	ug/l	98
4) Vinyl Chloride	2.18	62	45681	5.829	ug/l	95
5) Bromomethane	2.53	94	34072	6.170	ug/l	95
6) Chloroethane	2.68	64	29970	5.900	ug/l	94
7) Trichlorofluoromethane	3.01	101	70217	5.671	ug/l	100
8) Diethyl Ether	3.40	74	26339	5.834	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39906	5.372	ug/l	97
10) Methyl Iodide	3.95	142	59273	5.146	ug/l	98
11) Tert butyl alcohol	4.77	59	32475	27.588	ug/l #	80
12) 1,1-Dichloroethene	3.73	96	40028	5.417	ug/l	89
13) Acrolein	3.60	56	24747	30.546	ug/l	96
14) Allyl chloride	4.32	41	62884	5.581	ug/l	100
15) Acrylonitrile	4.98	53	92414	28.151	ug/l	99
16) Acetone	3.81	43	90746	30.827	ug/l	99
17) Carbon Disulfide	4.05	76	103113	5.129	ug/l	96
18) Methyl Acetate	4.31	43	66414	6.573	ug/l	95
19) Methyl tert-butyl Ether	5.03	73	122832	5.534	ug/l	96
20) Methylene Chloride	4.54	84	49473	5.750	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	44036	5.602	ug/l	95
22) Diisopropyl ether	5.94	45	129680	5.834	ug/l	98
23) Vinyl Acetate	5.88	43	493903	28.011	ug/l	100
24) 1,1-Dichloroethane	5.84	63	77949	5.597	ug/l	97
25) 2-Butanone	6.82	43	124122	29.373	ug/l	100
26) 2,2-Dichloropropane	6.82	77	63155	5.557	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	50563	5.566	ug/l	98
28) Bromochloromethane	7.19	49	35004	5.644	ug/l	100
29) Tetrahydrofuran	7.20	42	75937	28.154	ug/l	99
30) Chloroform	7.36	83	82436	5.656	ug/l	90
31) Cyclohexane	7.65	56	75839	6.264	ug/l #	77
32) 1,1,1-Trichloroethane	7.56	97	66384	5.387	ug/l	98
36) 1,1-Dichloropropene	7.79	75	59546	5.387	ug/l	99
37) Ethyl Acetate	6.92	43	49328	5.451	ug/l	99
38) Carbon Tetrachloride	7.77	117	61784	5.255	ug/l	98

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 Data File : VN057290.D
 Acq On : 14 Aug 2019 16:39
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 19:36:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	69872	5.347	ug/l	98
40) Benzene	8.03	78	183426	5.429	ug/l	98
41) Methacrylonitrile	7.16	41	22601	5.978	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	59581	5.490	ug/l	99
43) Isopropyl Acetate	8.16	43	93855	6.240	ug/l #	89
44) Trichloroethene	8.83	130	51692	5.309	ug/l	99
45) 1,2-Dichloropropane	9.11	63	46721	5.450	ug/l	97
46) Dibromomethane	9.20	93	30746	5.333	ug/l	100
47) Bromodichloromethane	9.40	83	58431	5.246	ug/l	100
48) Methyl methacrylate	9.19	41	37445	5.429	ug/l	98
49) 1,4-Dioxane	9.19	88	16523	106.657	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	238658	27.247	ug/l	100
52) Toluene	10.15	92	112826	5.383	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	63856	5.361	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	68952	5.138	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	43100	5.239	ug/l	96
56) Ethyl methacrylate	10.43	69	60610	5.219	ug/l	98
57) 1,3-Dichloropropane	10.71	76	74539	5.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	65615	22.468	ug/l	100
59) 2-Hexanone	10.75	43	168357	27.045	ug/l	99
60) Dibromochloromethane	10.90	129	46590	5.048	ug/l	97
61) 1,2-Dibromoethane	11.00	107	46004	5.381	ug/l	97
64) Tetrachloroethene	10.63	164	54315	5.609	ug/l	99
65) Chlorobenzene	11.43	112	121389	5.413	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	44275	5.111	ug/l	96
67) Ethyl Benzene	11.51	91	204191	5.320	ug/l	98
68) m/p-Xylenes	11.62	106	146666	10.229	ug/l	98
69) o-Xylene	11.95	106	72909	5.187	ug/l	98
70) Styrene	11.96	104	105830	4.870	ug/l	100
71) Bromoform	12.13	173	32585	4.893	ug/l #	98
73) Isopropylbenzene	12.25	105	189216	6.394	ug/l	100
74) N-amyl acetate	12.07	43	56682	6.564	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	55738	6.561	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	67144	9.947	ug/l #	100
77) Bromobenzene	12.53	156	49056	6.090	ug/l	98
78) n-propylbenzene	12.59	91	175703	5.897	ug/l	99
79) 2-Chlorotoluene	12.67	91	116312	6.107	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147743	6.157	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	14751	6.132	ug/l	86
82) 4-Chlorotoluene	12.77	91	101486	5.821	ug/l	98
83) tert-Butylbenzene	12.99	119	140667	6.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	136656	6.089	ug/l	99
85) sec-Butylbenzene	13.17	105	162546	6.058	ug/l	99
86) p-Isopropyltoluene	13.29	119	139163	5.949	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	59844	5.431	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	57223	5.349	ug/l	94
89) n-Butylbenzene	13.62	91	95193	5.790	ug/l	98
90) Hexachloroethane	13.88	117	28492	6.233	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	53114	4.956	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5467	5.119	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
Data File : VN057290.D
Acq On : 14 Aug 2019 16:39
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 14 19:36:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 14 19:33:53 2019
Response via : Initial Calibration

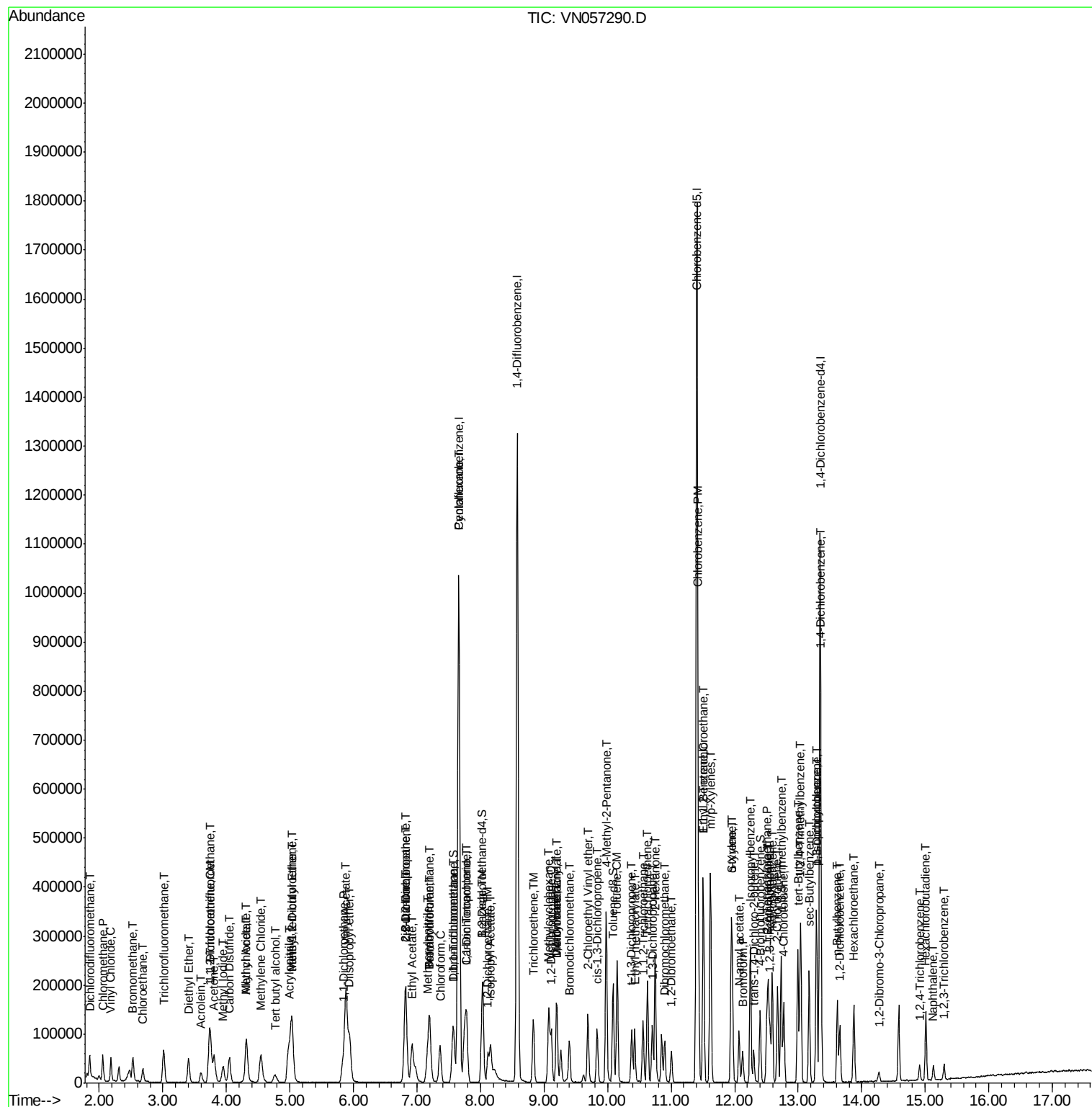
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11439	2.974	ug/l	96
94) Hexachlorobutadiene	15.01	225	29750	5.770	ug/l	96
95) Naphthalene	15.13	128	26001	3.442	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	10903	2.797	ug/l	99

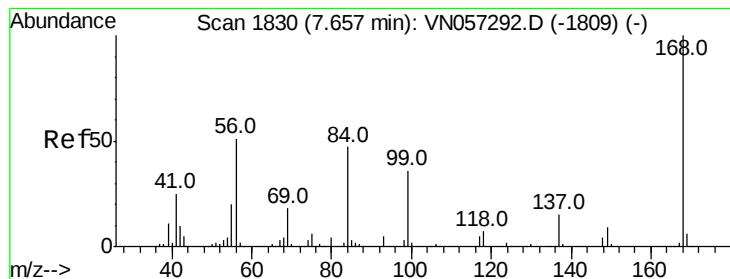
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081519\
Data File : VN057290.D
Acq On : 14 Aug 2019 16:39
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Aug 14 19:36:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 14 19:33:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

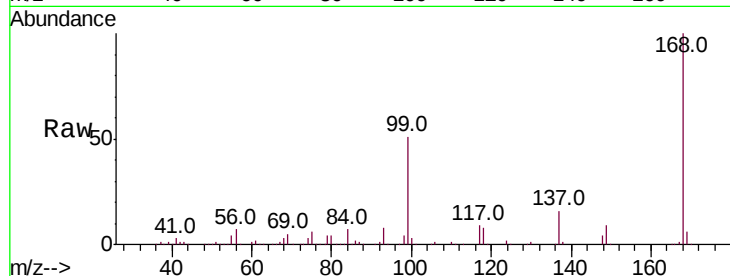
ClientSampled :

Tot Ion:168 Resp: 850535

Ion Ratio Lower Upper

168 100

99 50.4 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

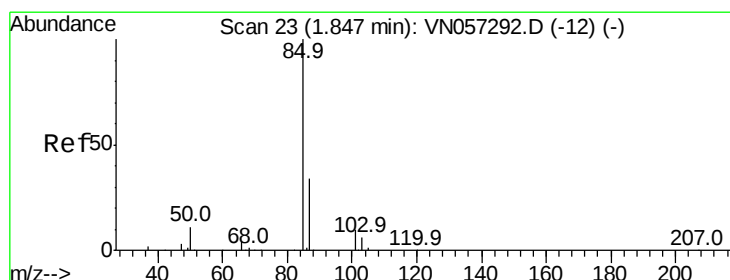
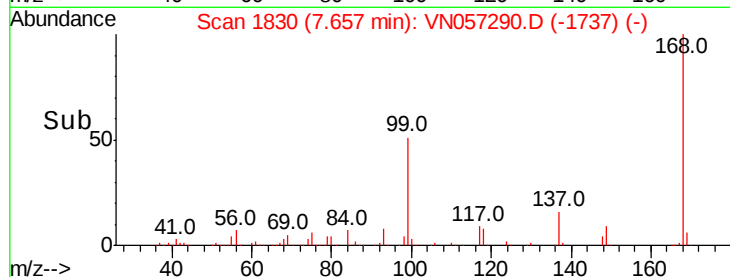
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.605 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057290.D

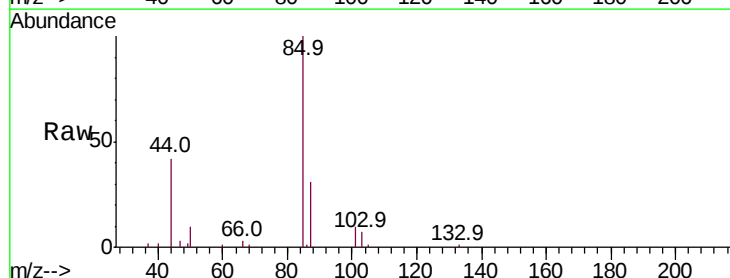
Acq: 14 Aug 2019 16:39

Tgt Ion: 85 Resp: 39947

Ion Ratio Lower Upper

85 100

87 31.3 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

25000

20000

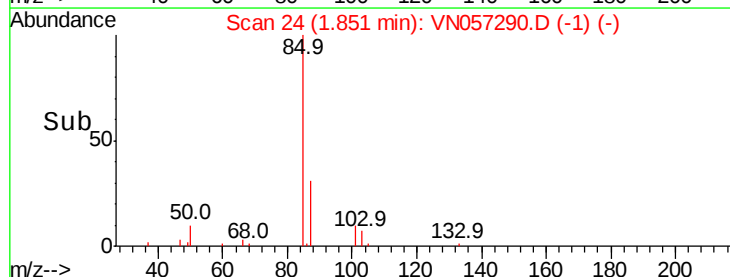
15000

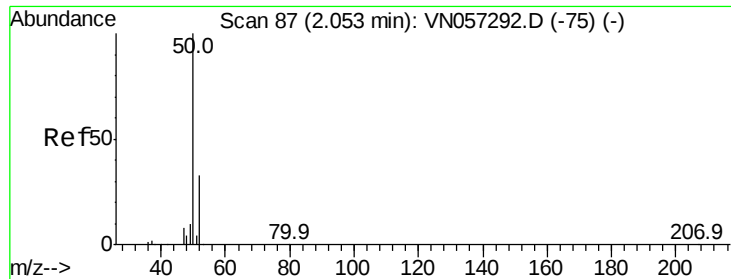
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.791 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

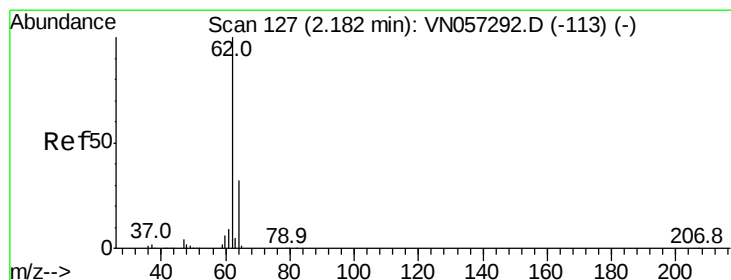
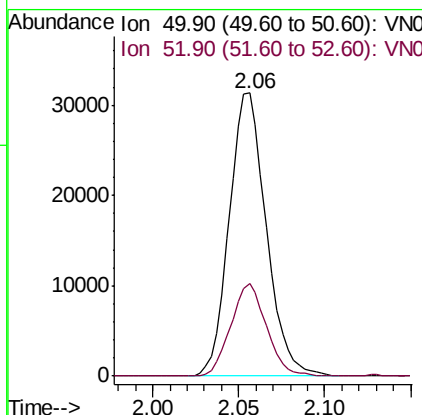
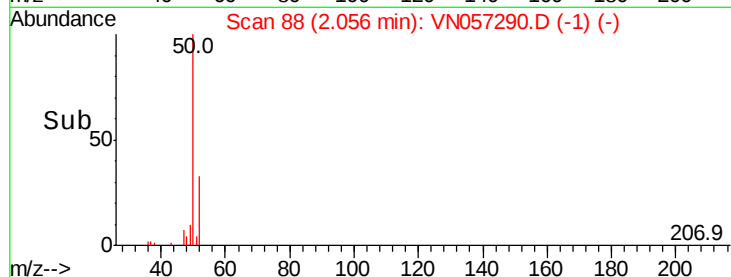
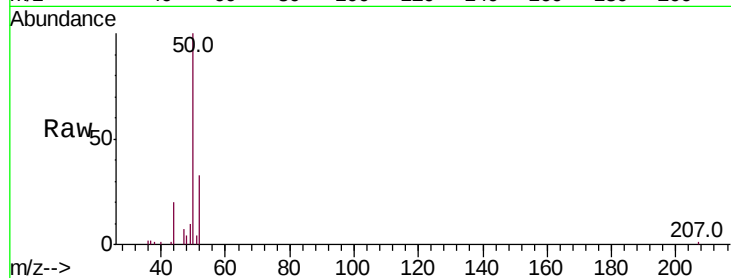
ClientSampled :

Tot Ion: 50 Resp: 46837

Ion Ratio Lower Upper

50 100

52 32.5 26.8 40.2



#4

Vinyl Chloride

Concen: 5.829 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057290.D

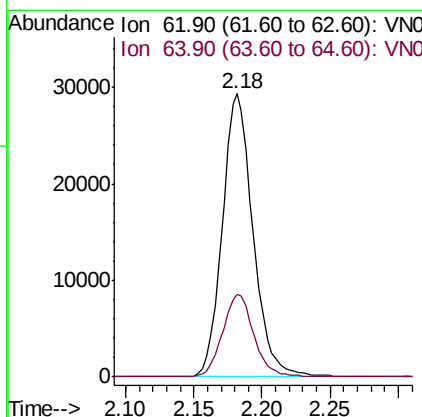
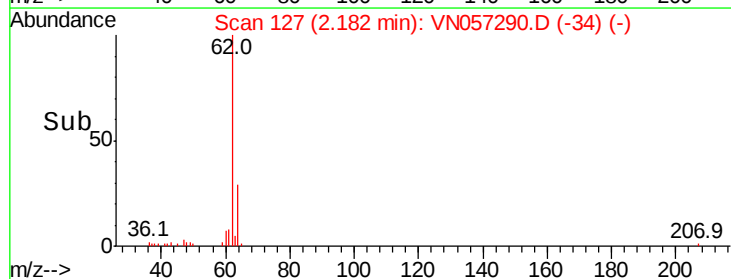
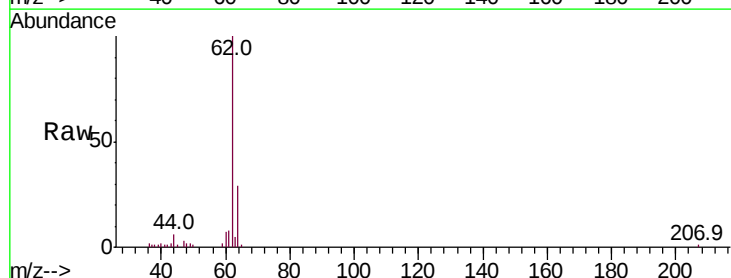
Acq: 14 Aug 2019 16:39

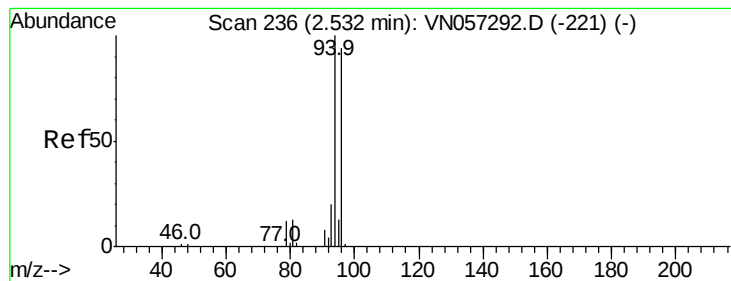
Tgt Ion: 62 Resp: 45681

Ion Ratio Lower Upper

62 100

64 29.3 25.9 38.9





#5

Bromomethane

Concen: 6.170 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

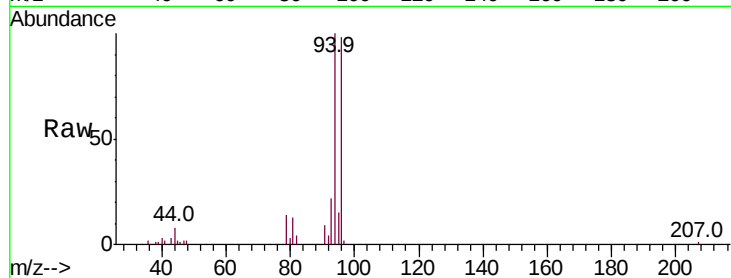
ClientSampleId :

Tot Ion: 94 Resp: 34072

Ion Ratio Lower Upper

94 100

96 98.2 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VN057290.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057290.D (-221) (-)

2.53

15000

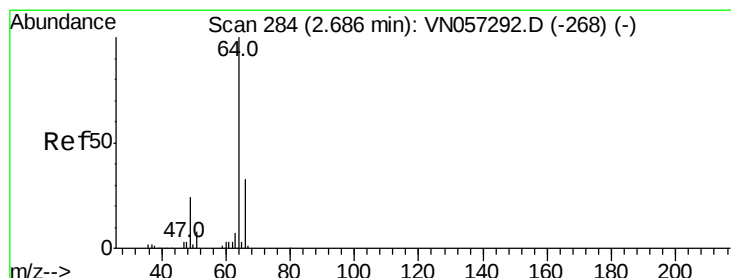
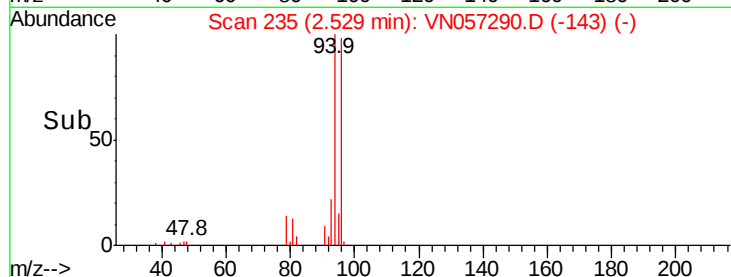
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 5.900 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN057290.D

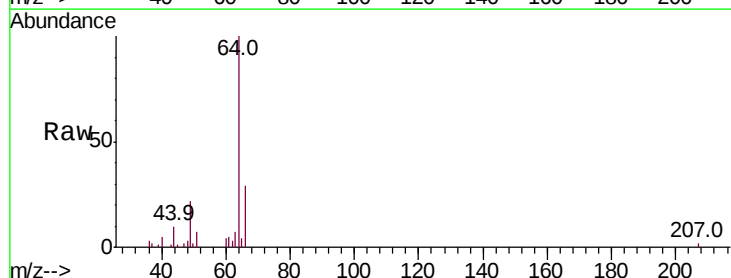
Acq: 14 Aug 2019 16:39

Tgt Ion: 64 Resp: 29970

Ion Ratio Lower Upper

64 100

66 29.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN057290.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN057290.D (-268) (-)

2.68

15000

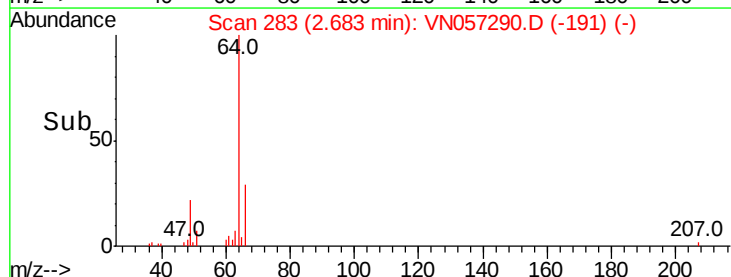
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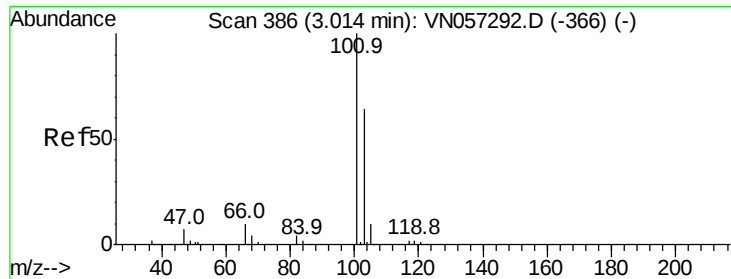
5000

0

Time-->

2.60 2.70 2.80



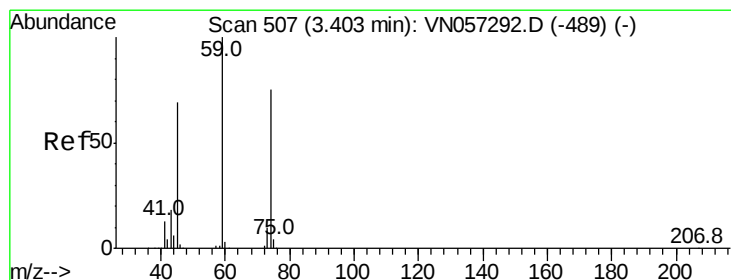
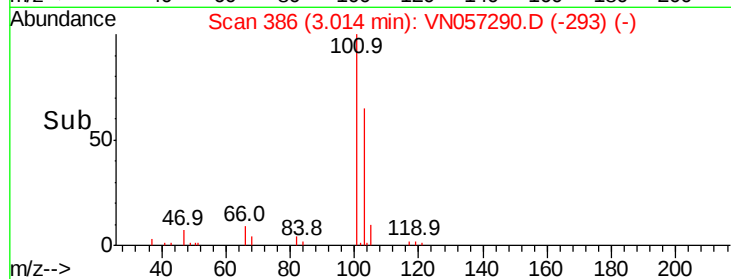
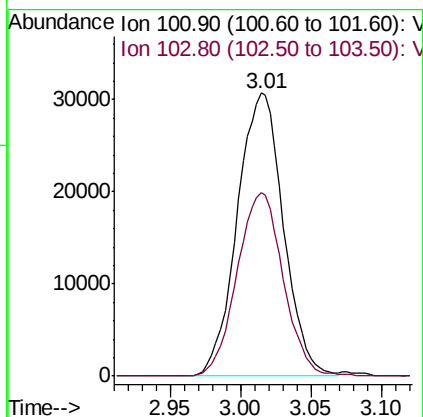
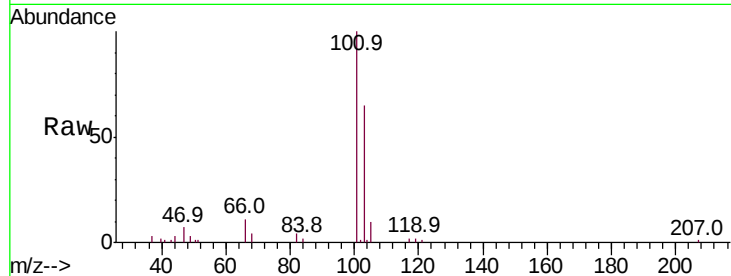


#7

Trichlorofluoromethane
Concen: 5.671 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :

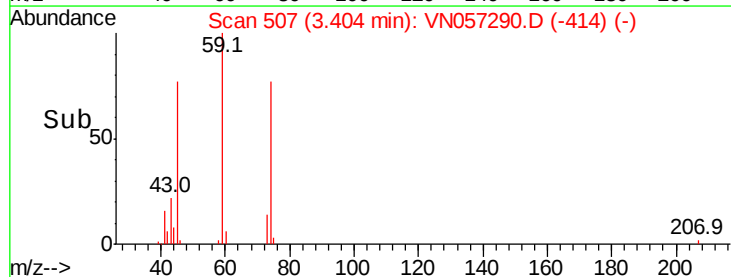
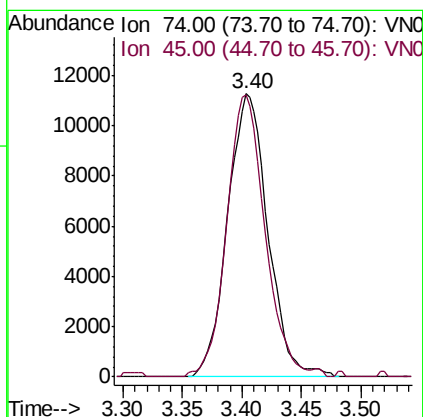
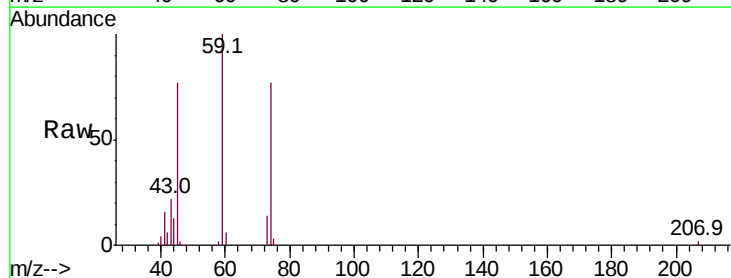
Tot Ion:101 Resp: 70217
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3

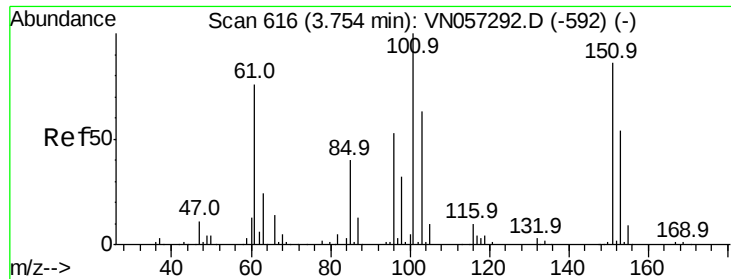


#8

Diethyl Ether
Concen: 5.834 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 74 Resp: 26339
Ion Ratio Lower Upper
74 100
45 94.8 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.372 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

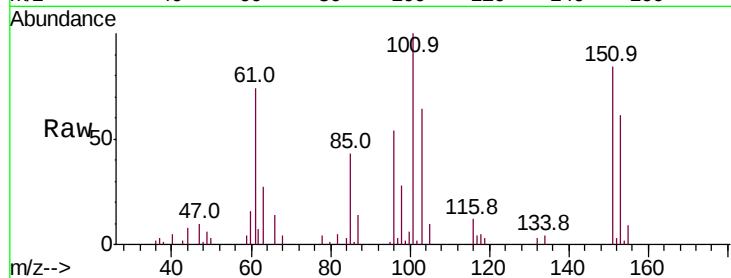
Tot Ion:101 Resp: 39906

Ion Ratio Lower Upper

101 100

85 43.0 32.7 49.1

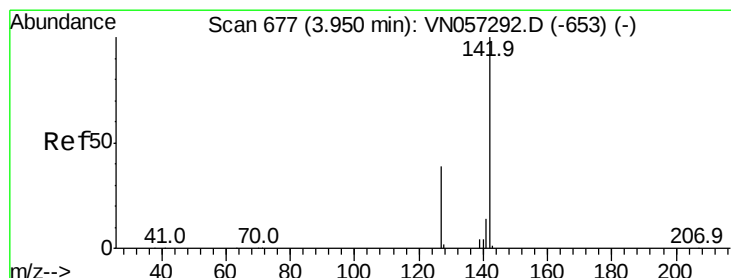
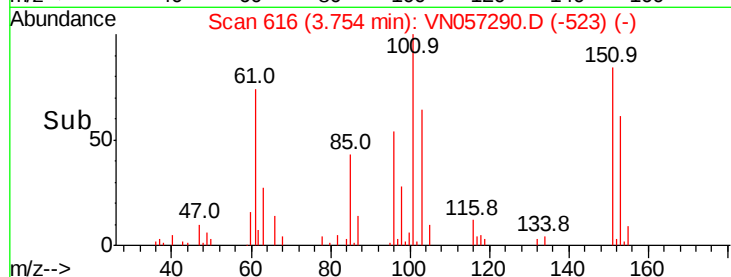
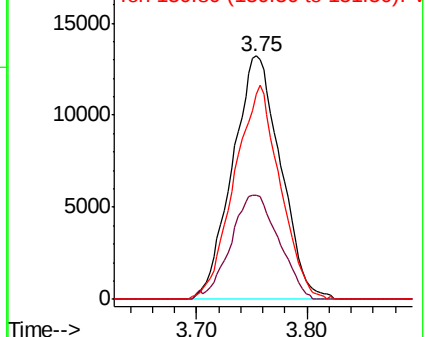
151 83.7 69.1 103.7



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: 5.146 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

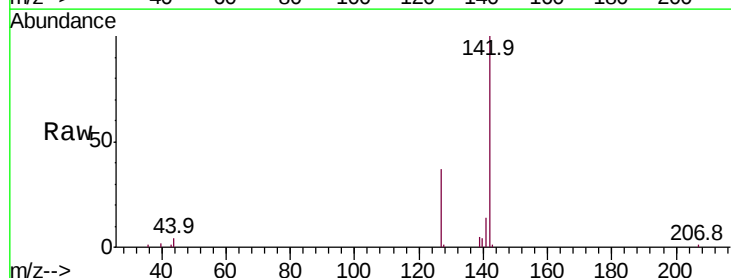
Tgt Ion:142 Resp: 59273

Ion Ratio Lower Upper

142 100

127 38.2 31.6 47.4

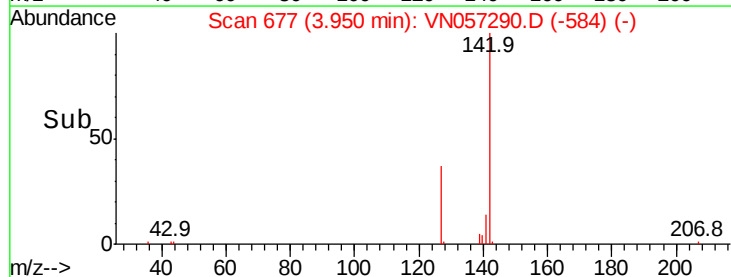
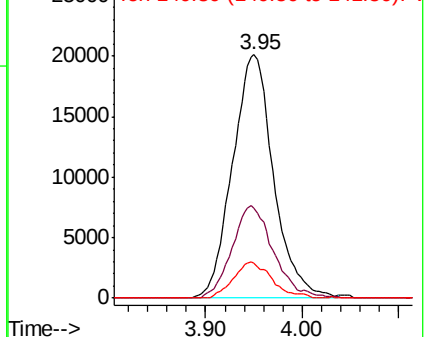
141 13.9 11.2 16.8

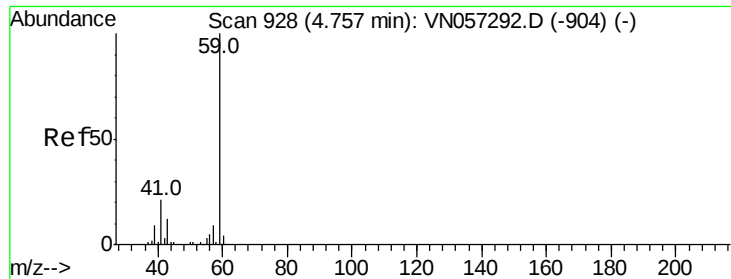


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

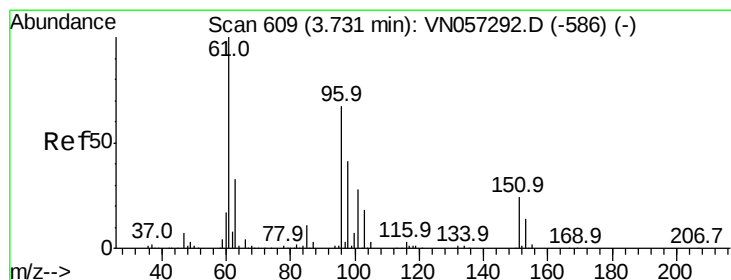
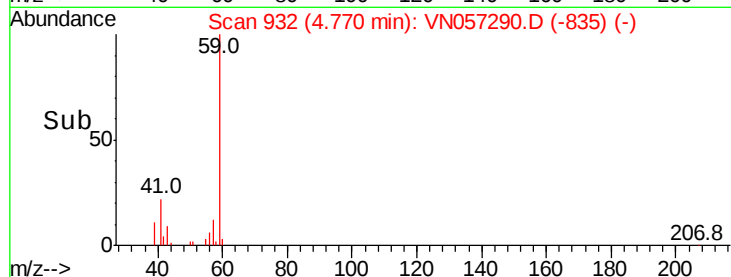
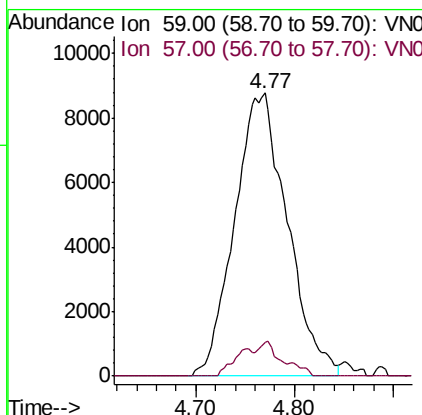
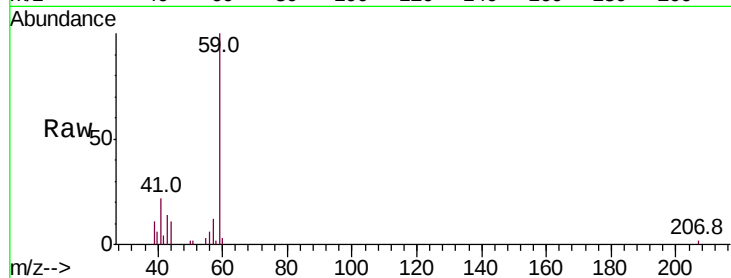




#11
Tert butyl alcohol
Concen: 27.588 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.01 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

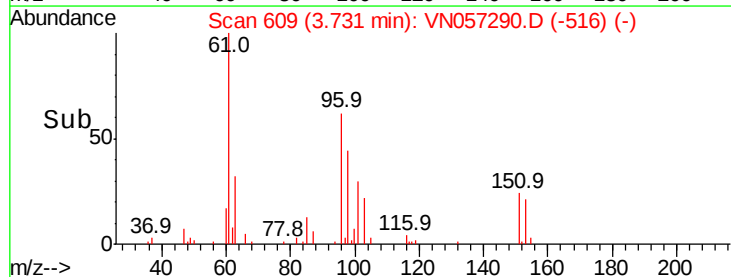
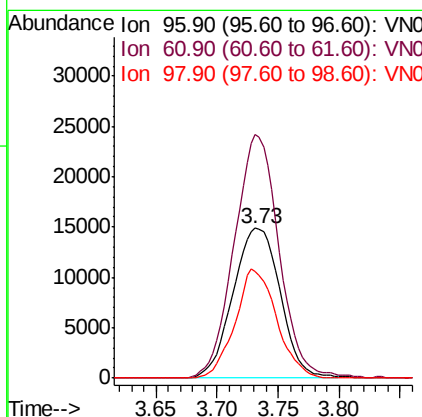
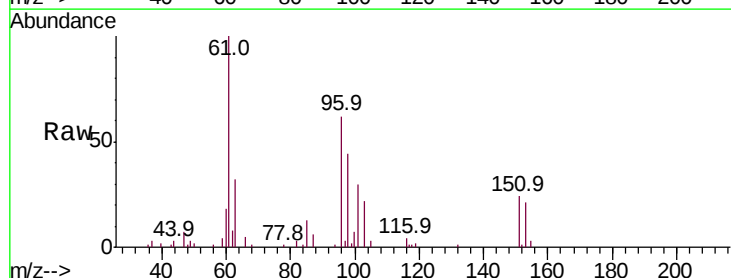
Instrument :
MSVOA_N
ClientSampled :

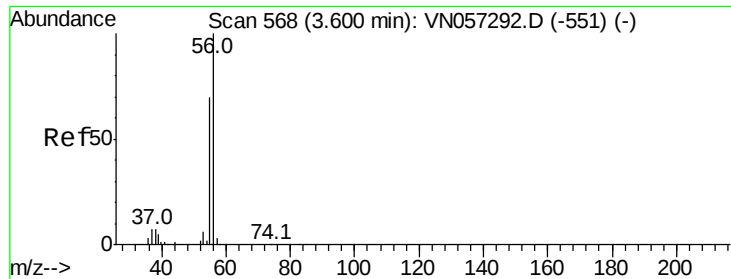
Tot Ion: 59 Resp: 32475
Ion Ratio Lower Upper
59 100
57 2.6 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 5.417 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 96 Resp: 40028
Ion Ratio Lower Upper
96 100
61 162.2 119.7 179.5
98 71.3 49.0 73.4





#13

Acrolein

Concen: 30.546 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

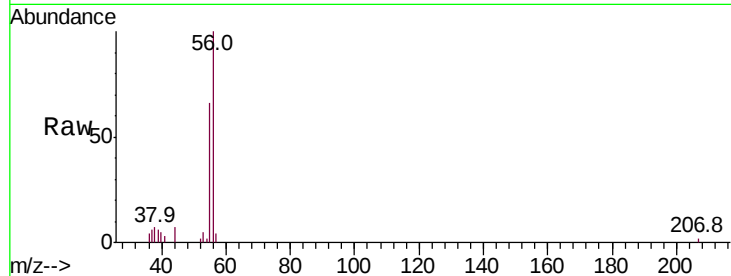
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 24747

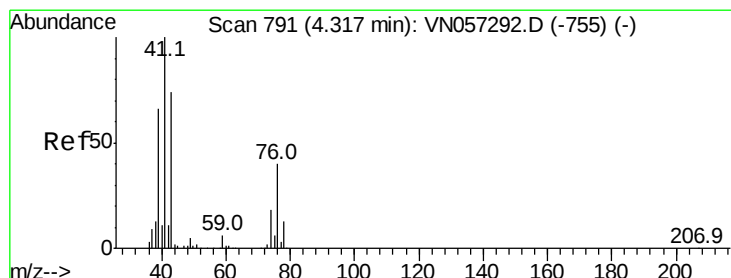
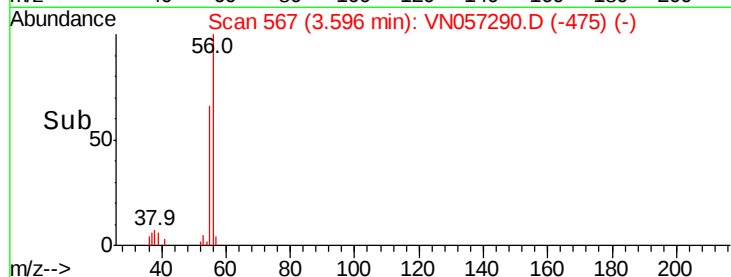
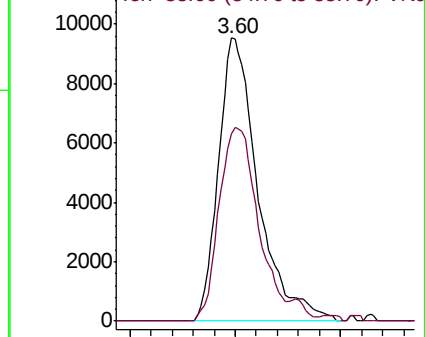
Ion Ratio Lower Upper

56 100

55 67.8 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 5.581 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

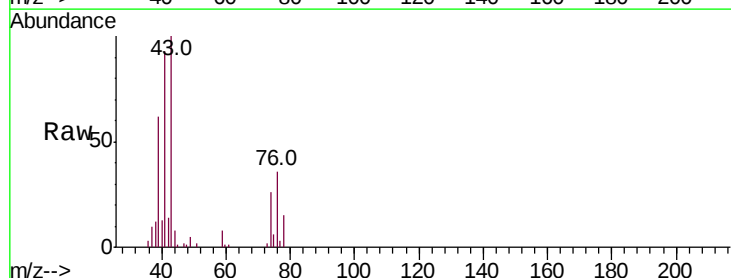
Tgt Ion: 41 Resp: 62884

Ion Ratio Lower Upper

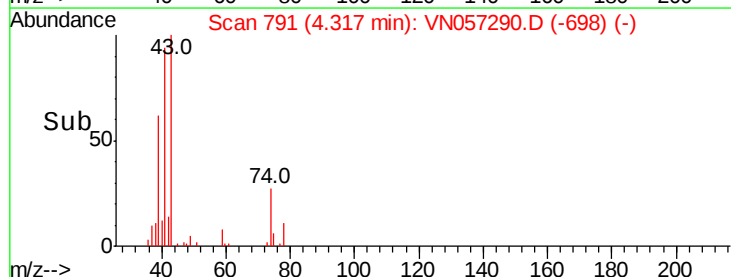
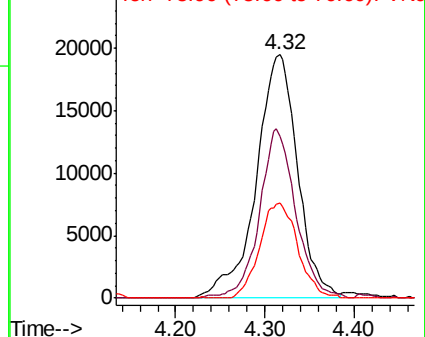
41 100

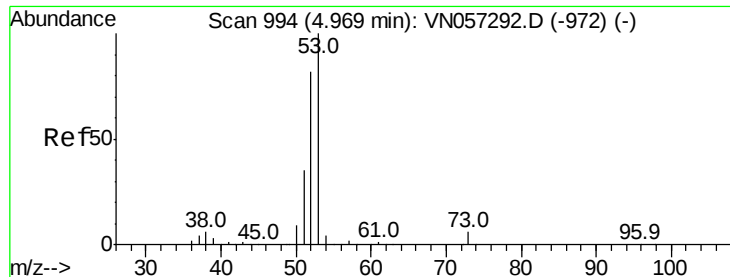
39 61.0 49.0 73.6

76 35.9 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 28.151 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

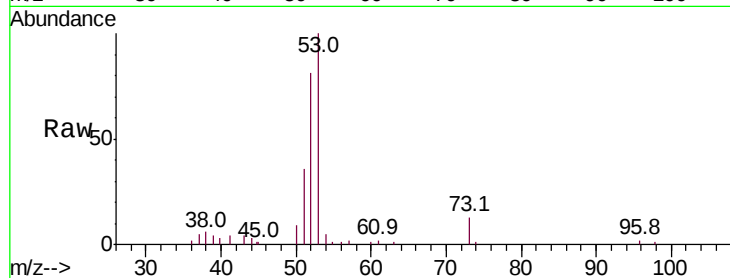
Tot Ion: 53 Resp: 92414

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.2

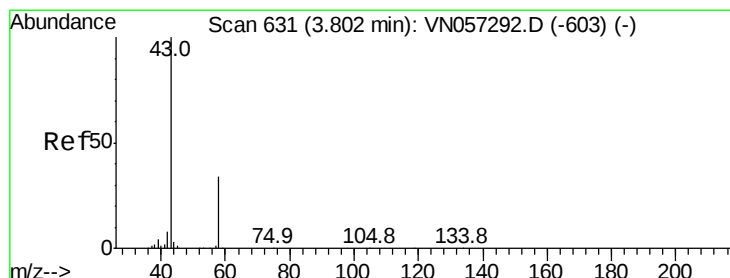
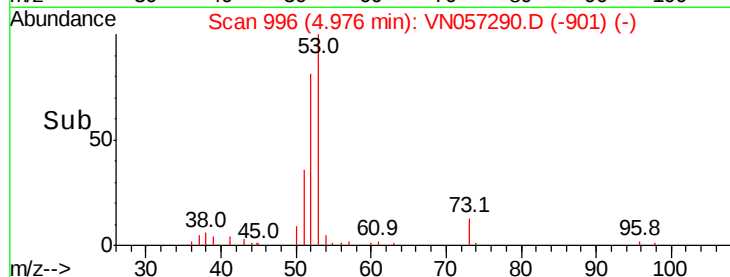
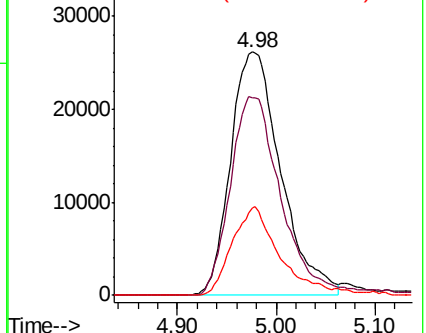
51 34.5 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN057290.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN057290.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN057290.D (-972) (-)



#16

Acetone

Concen: 30.827 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057290.D

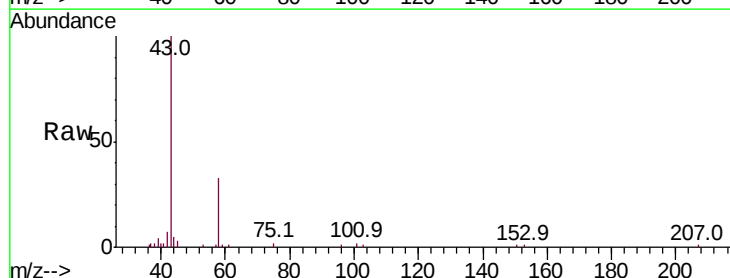
Acq: 14 Aug 2019 16:39

Tgt Ion: 43 Resp: 90746

Ion Ratio Lower Upper

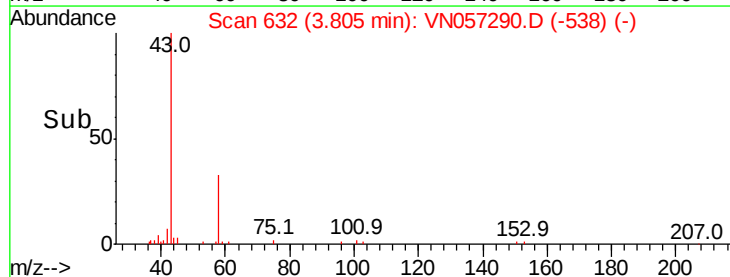
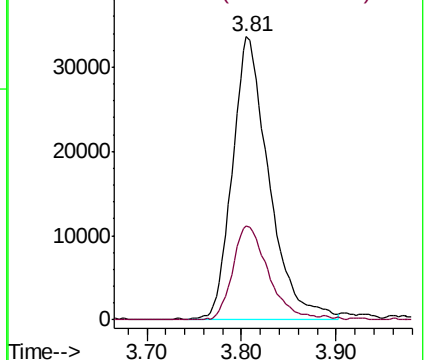
43 100

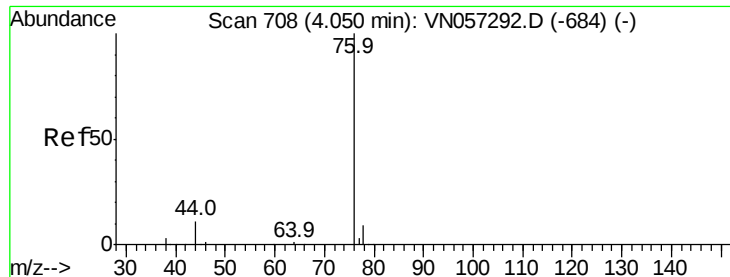
58 33.1 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057290.D (-538) (-)

Ion 58.00 (57.70 to 58.70): VN057290.D (-538) (-)

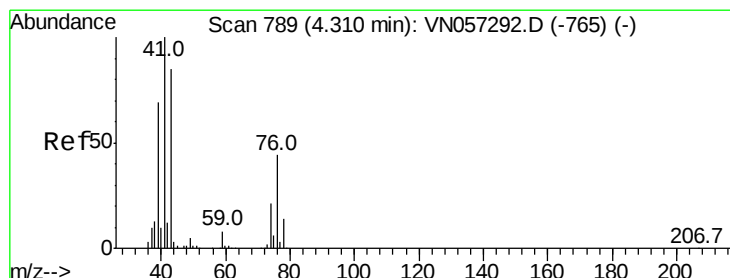
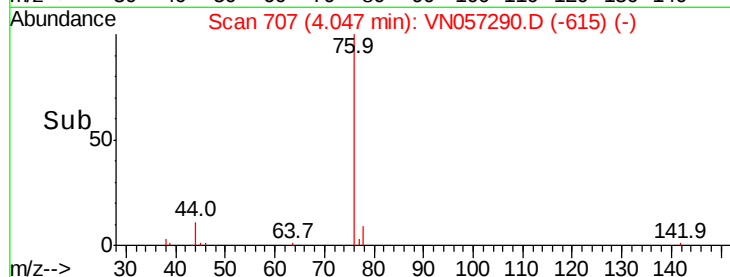
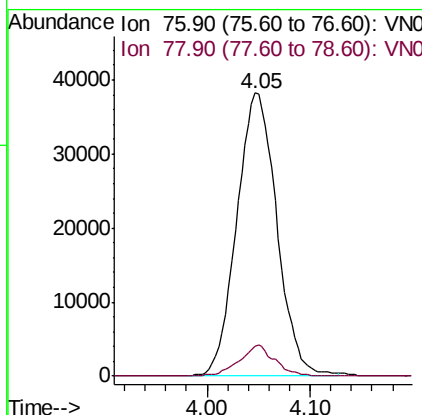
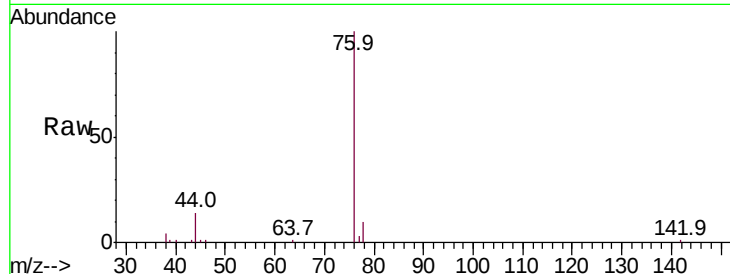




#17
Carbon Disulfide
Concen: 5.129 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

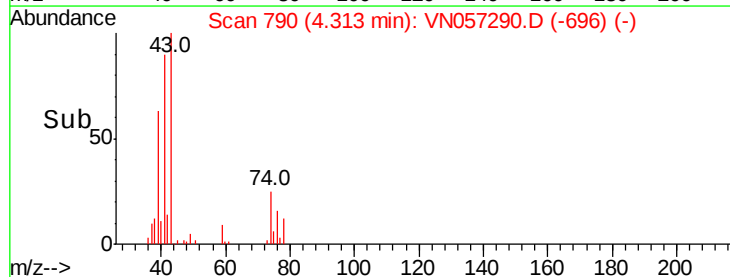
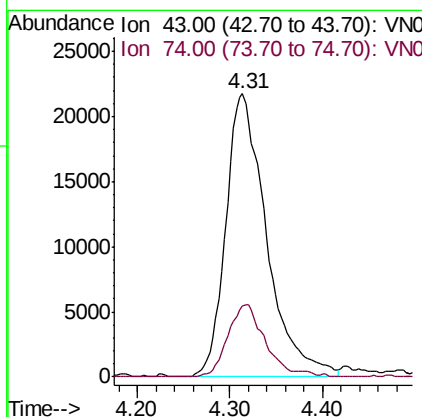
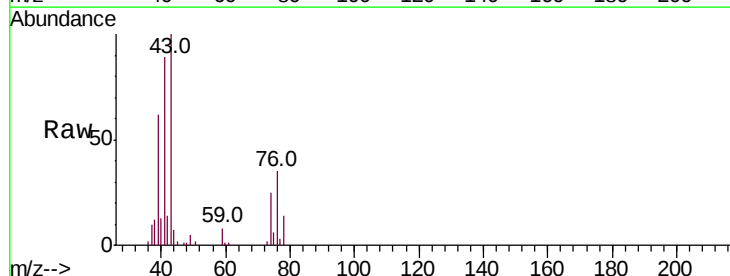
Instrument :
MSVOA_N
ClientSampled :

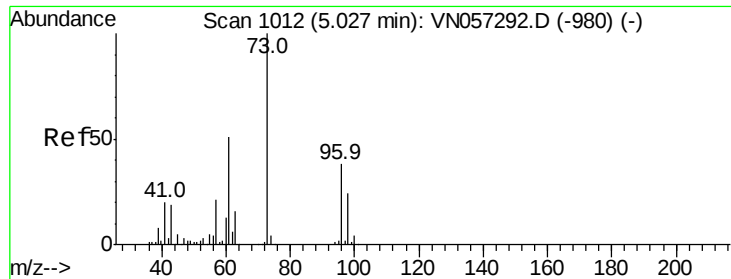
Tot Ion: 76 Resp: 103113
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.6



#18
Methyl Acetate
Concen: 6.573 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 43 Resp: 66414
Ion Ratio Lower Upper
43 100
74 22.7 20.2 30.2

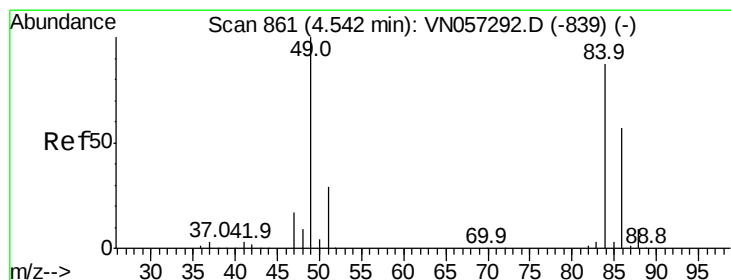
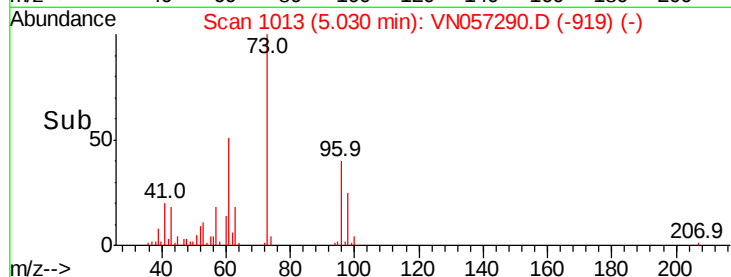
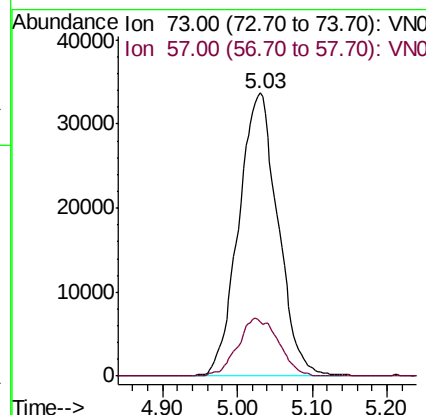
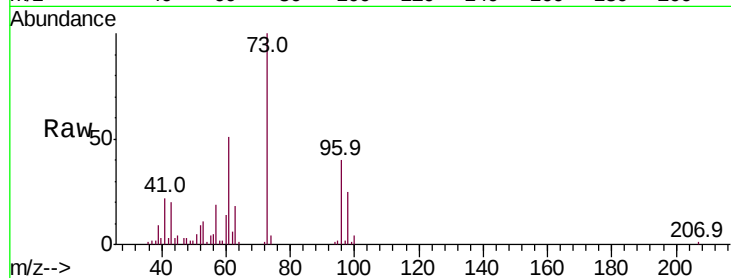




#19
Methyl tert-butyl Ether
Concen: 5.534 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

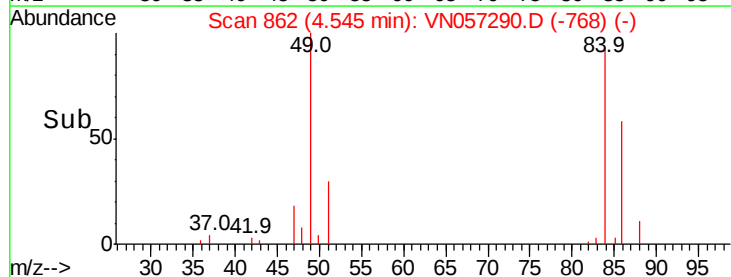
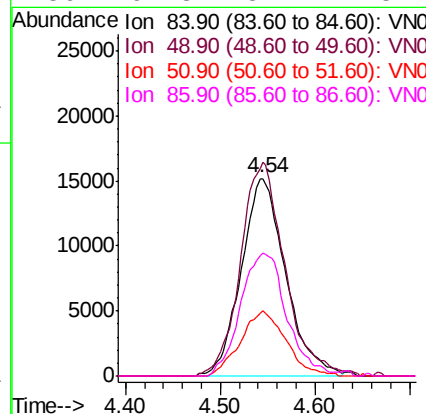
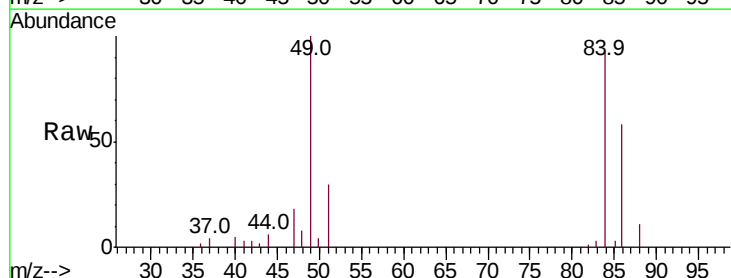
Instrument :
MSVOA_N
ClientSampled :

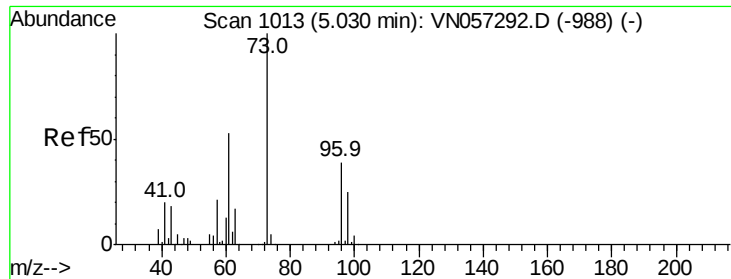
Tot Ion: 73 Resp: 122832
Ion Ratio Lower Upper
73 100
57 19.1 16.9 25.3



#20
Methylene Chloride
Concen: 5.750 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 84 Resp: 49473
Ion Ratio Lower Upper
84 100
49 108.3 92.0 138.0
51 32.9 27.1 40.7
86 62.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 5.602 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :

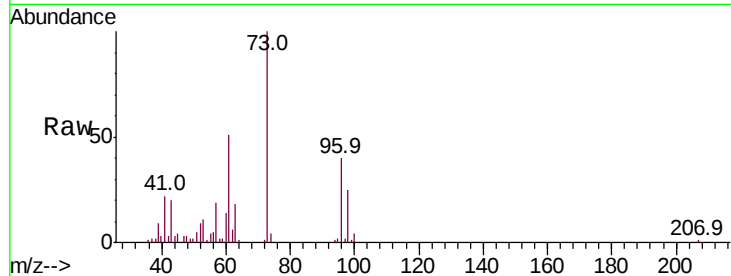
Tot Ion: 96 Resp: 44036

Ion Ratio Lower Upper

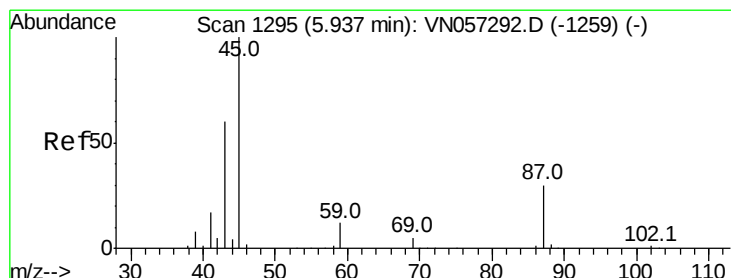
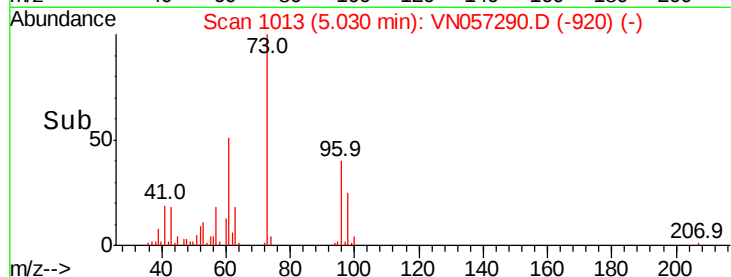
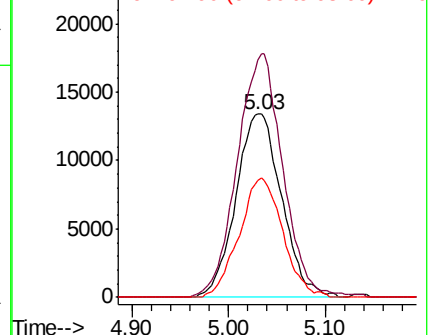
96 100

61 128.2 109.5 164.3

98 63.5 51.0 76.6



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



#22

Diisopropyl ether

Concen: 5.834 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion: 45 Resp: 129680

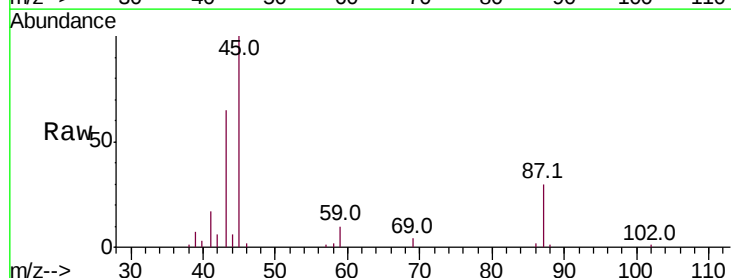
Ion Ratio Lower Upper

45 100

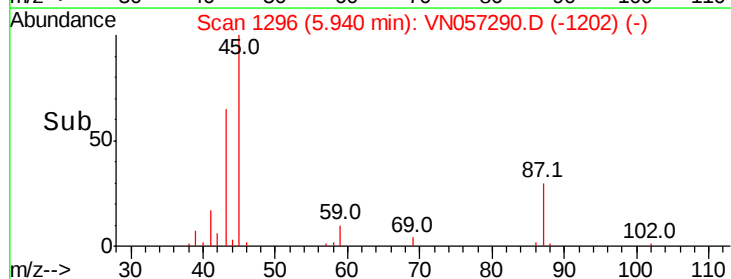
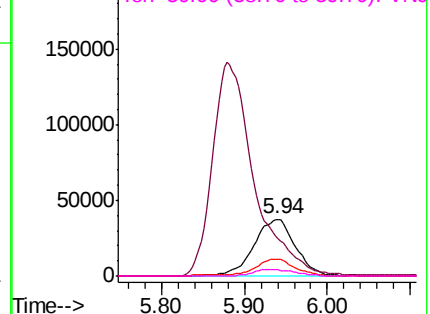
43 62.0 48.3 72.5

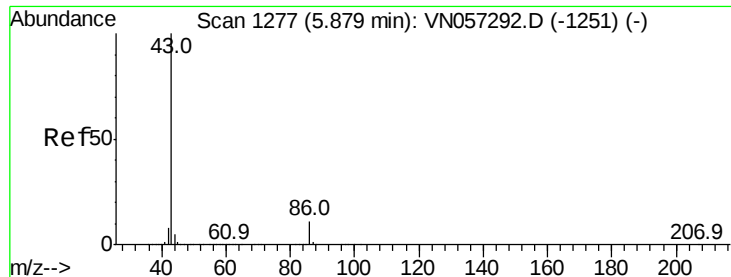
87 29.9 24.6 36.8

59 10.3 9.8 14.8



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





#23

Vinyl Acetate

Concen: 28.011 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

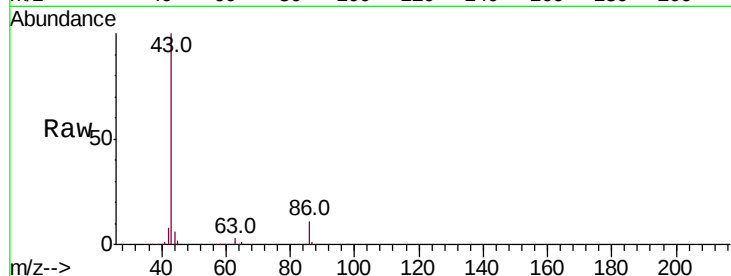
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 493903

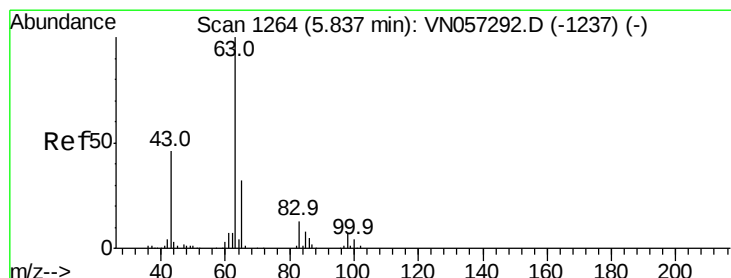
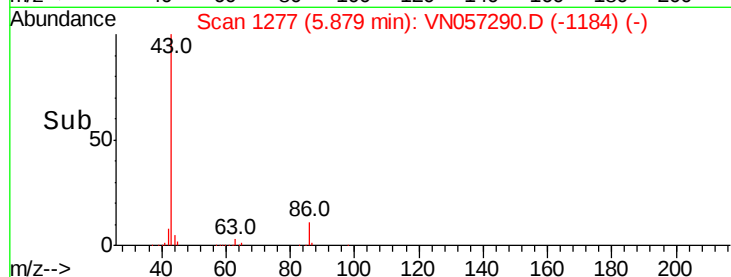
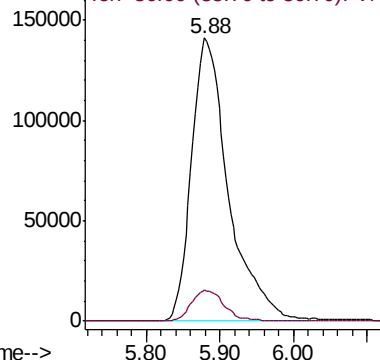
Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 5.597 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

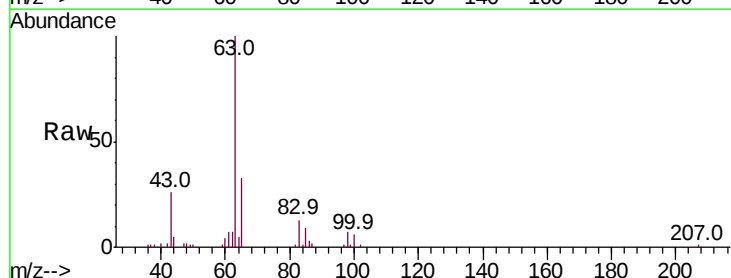
Tgt Ion: 63 Resp: 77949

Ion Ratio Lower Upper

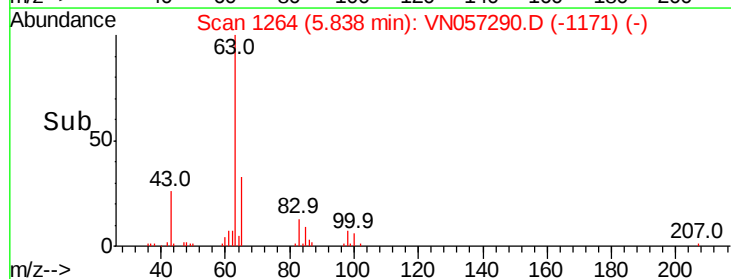
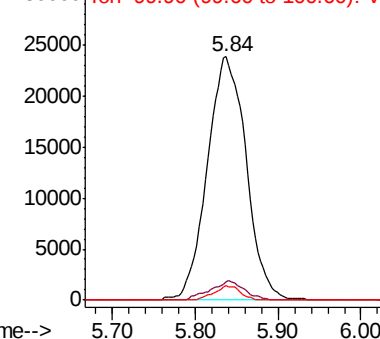
63 100

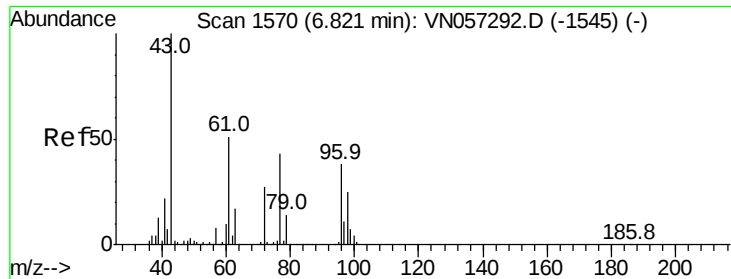
98 7.4 3.3 9.9

100 5.8 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 97.90 (97.60 to 98.60): VNO
Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 29.373 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

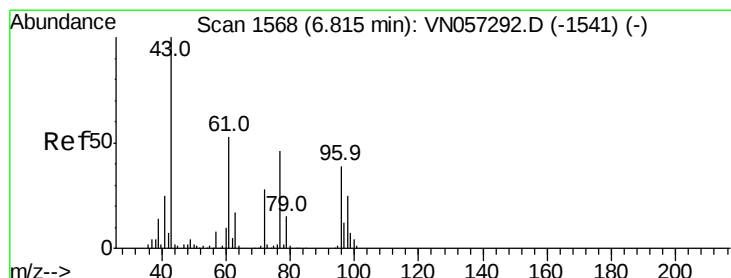
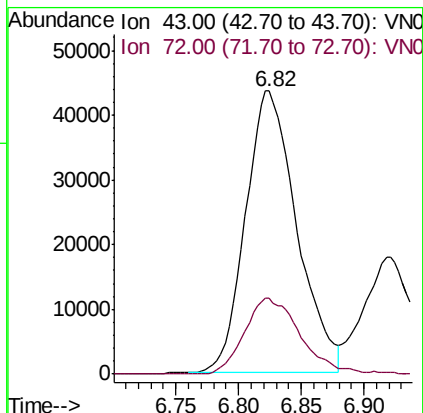
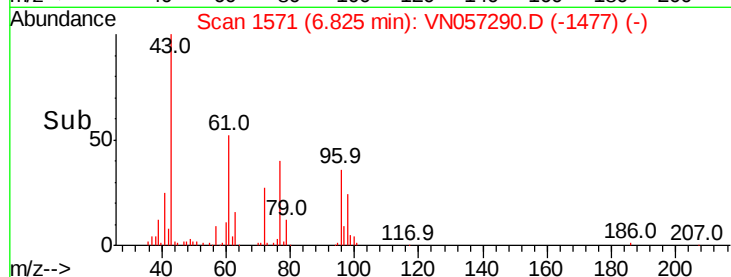
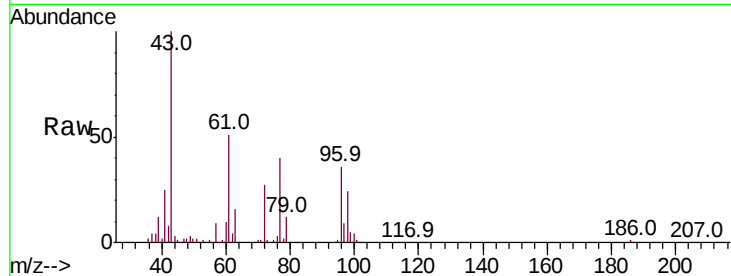
ClientSampleId :

Tot Ion: 43 Resp: 124122

Ion Ratio Lower Upper

43 100

72 27.0 21.5 32.3



#26

2,2-Dichloropropane

Concen: 5.557 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057290.D

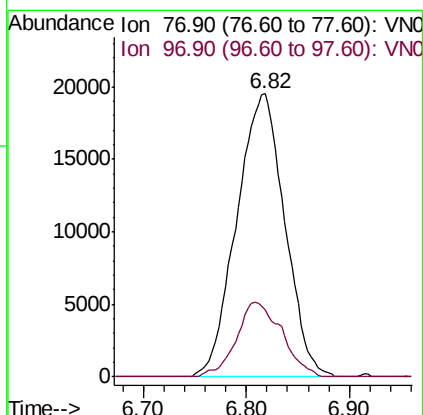
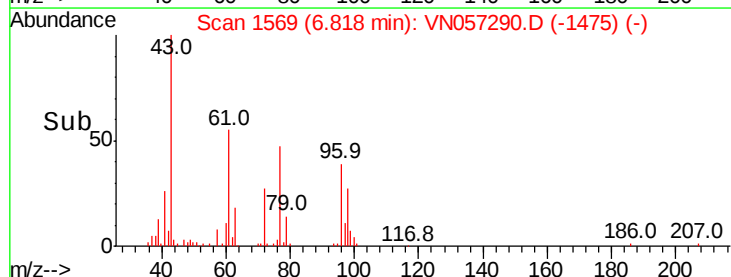
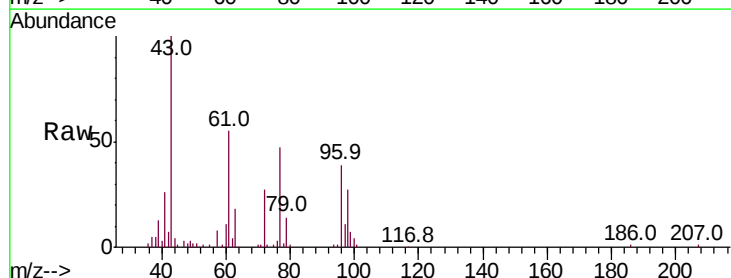
Acq: 14 Aug 2019 16:39

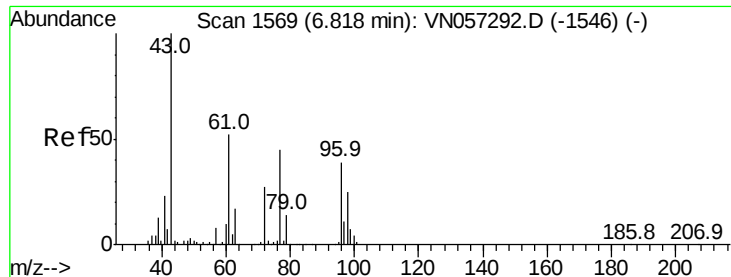
Tgt Ion: 77 Resp: 63155

Ion Ratio Lower Upper

77 100

97 25.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 5.566 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

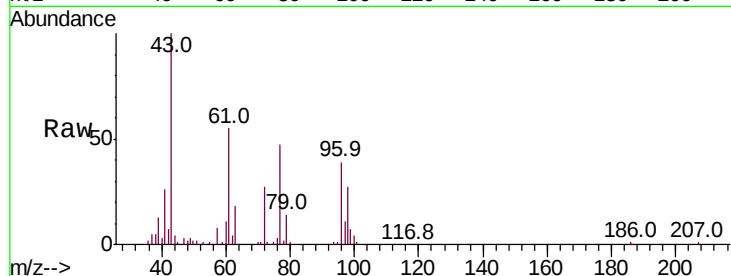
Tot Ion: 96 Resp: 50563

Ion Ratio Lower Upper

96 100

61 132.7 0.0 272.0

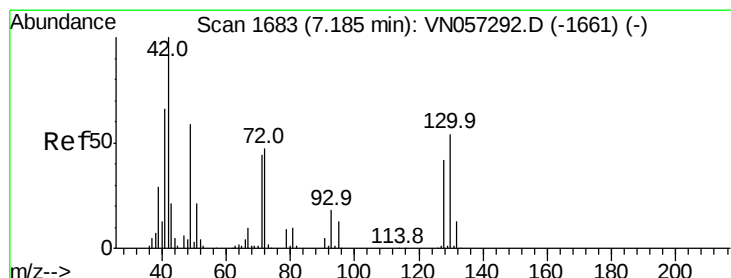
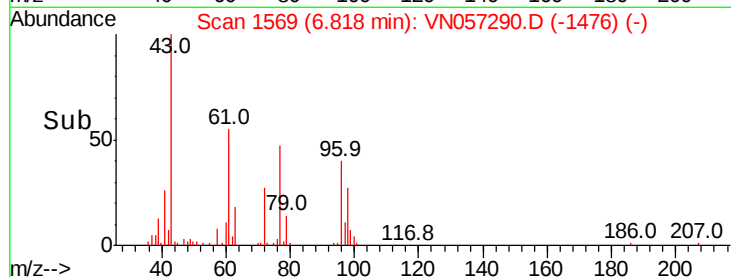
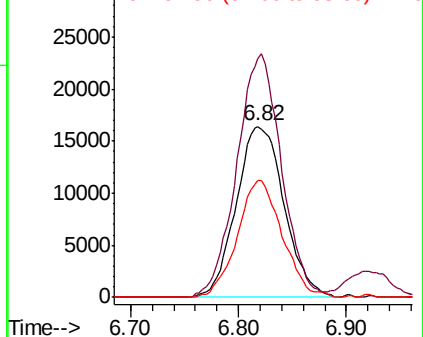
98 64.3 0.0 130.4



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: 5.644 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

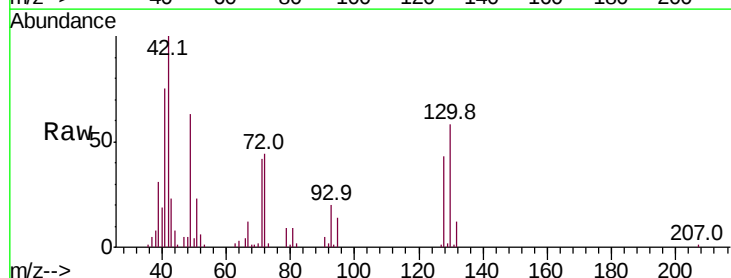
Tgt Ion: 49 Resp: 35004

Ion Ratio Lower Upper

49 100

129 1.3 0.0 2.0

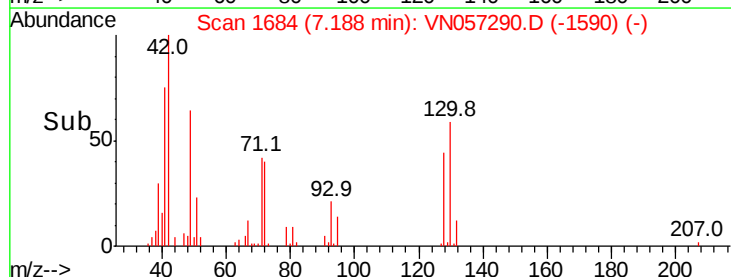
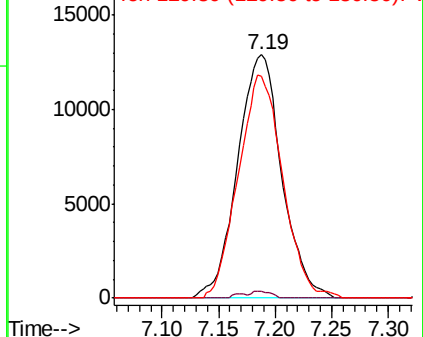
130 91.9 73.2 109.8

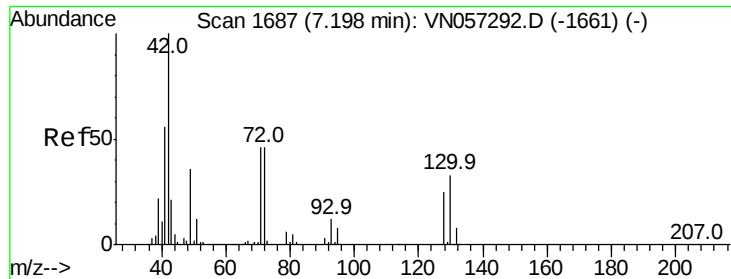


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

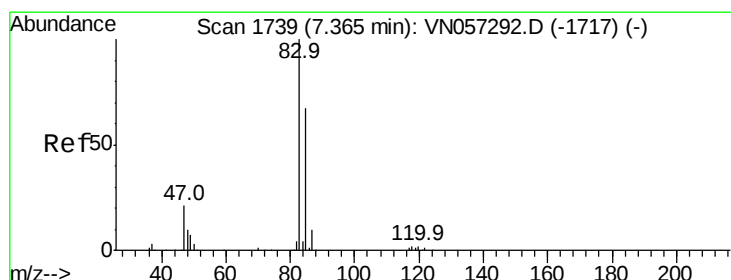
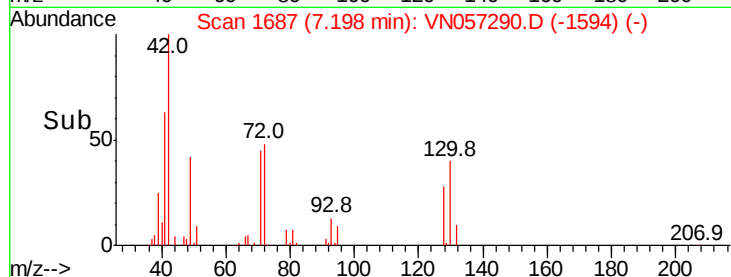
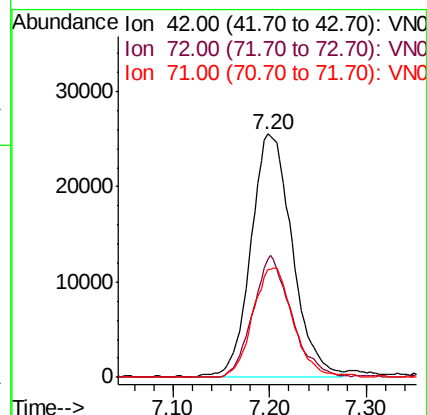
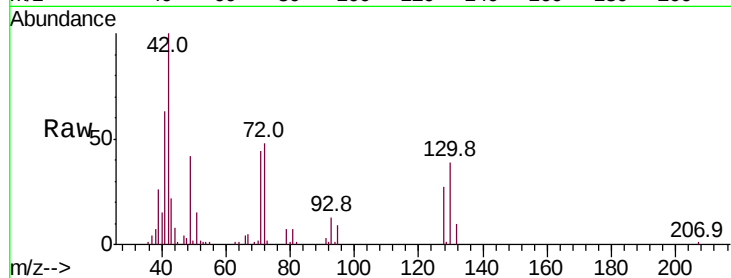




#29
Tetrahydrofuran
Concen: 28.154 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

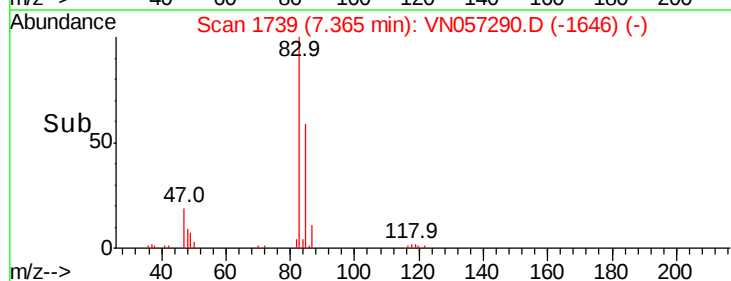
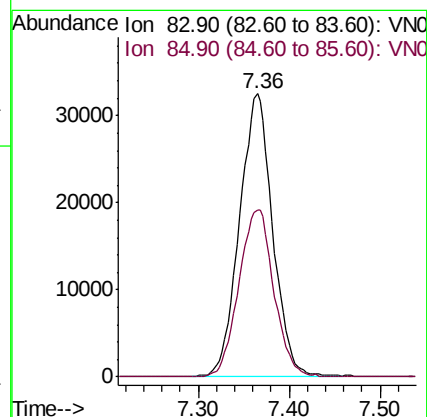
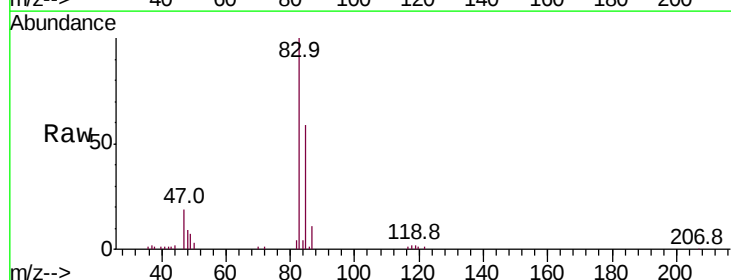
Instrument :
MSVOA_N
ClientSampled :

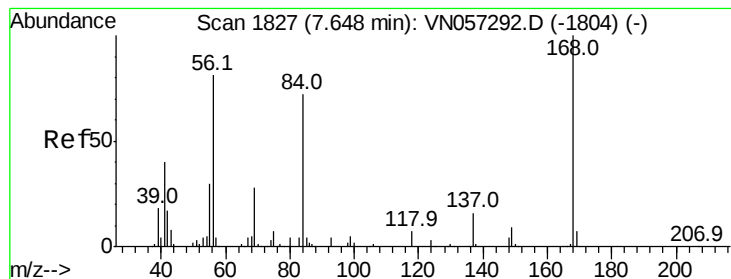
Tot Ion: 42 Resp: 75937
Ion Ratio Lower Upper
42 100
72 46.4 37.8 56.6
71 43.8 35.7 53.5



#30
Chloroform
Concen: 5.656 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 83 Resp: 82436
Ion Ratio Lower Upper
83 100
85 58.9 53.3 79.9





#31

Cyclohexane

Concen: 6.264 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

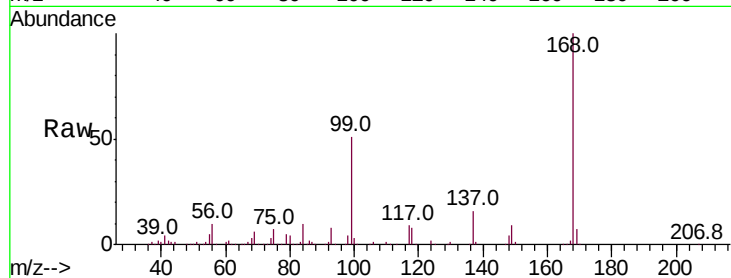
Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

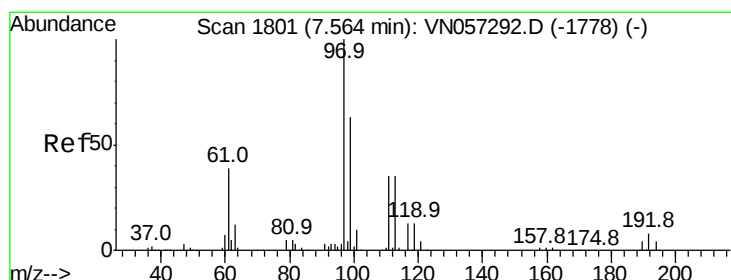
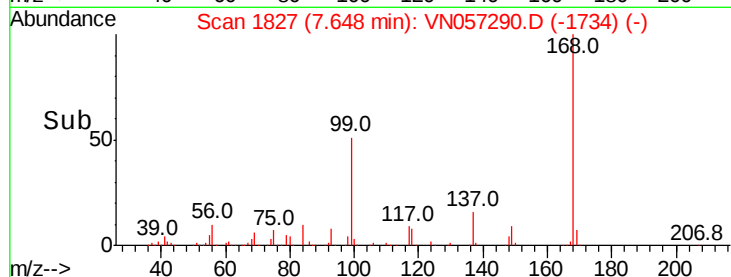
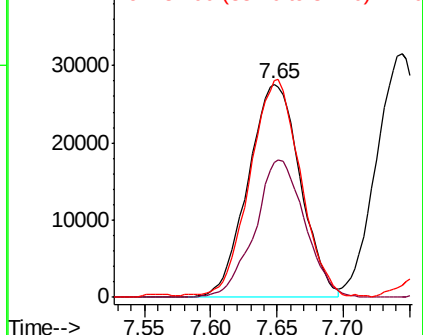
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 75839

Ion	Ratio	Lower	Upper
56	100		
69	63.1	27.3	40.9#
84	100.4	71.0	106.6



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



#32

1,1,1-Trichloroethane

Concen: 5.387 ug/l

RT: 7.56 min Scan# 1800

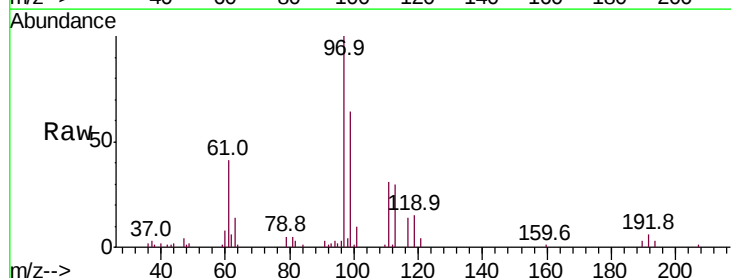
Delta R.T. -0.00 min

Lab File: VN057290.D

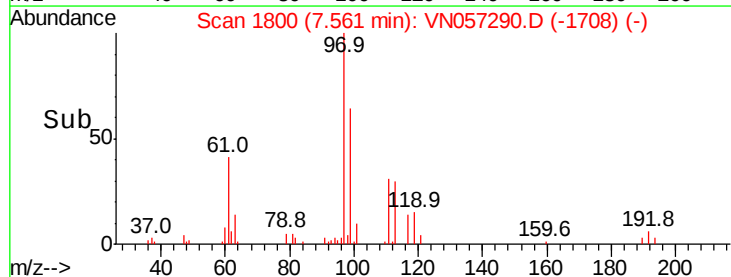
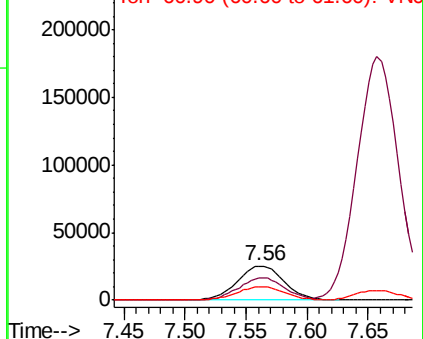
Acq: 14 Aug 2019 16:39

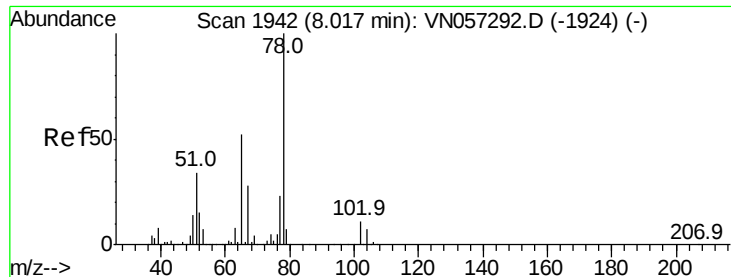
Tgt Ion: 97 Resp: 66384

Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.3	75.5
61	40.5	31.3	46.9



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

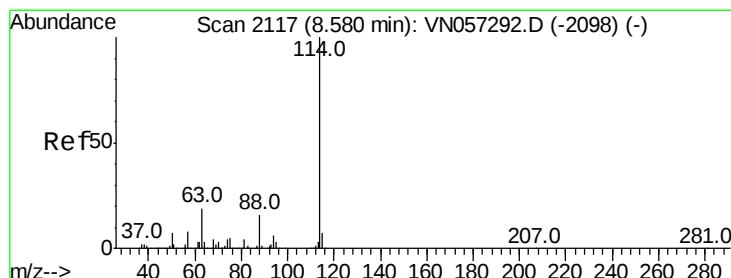
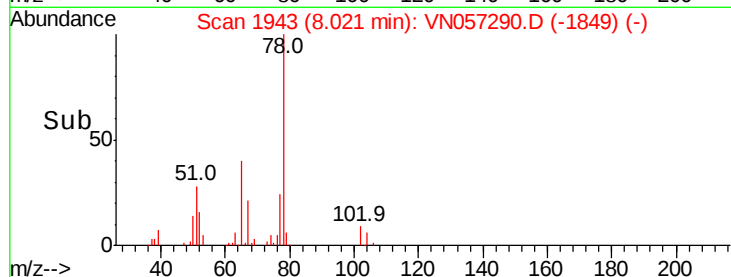
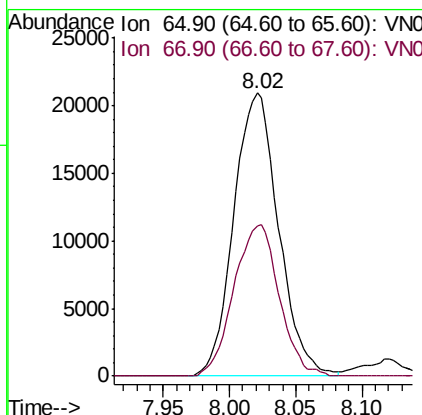
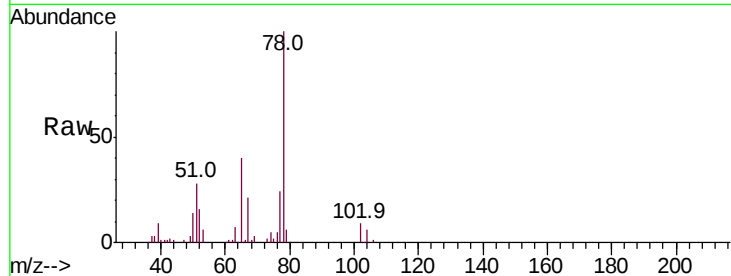




#33
 1,2-Dichloroethane-d4
 Concen: 5.742 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

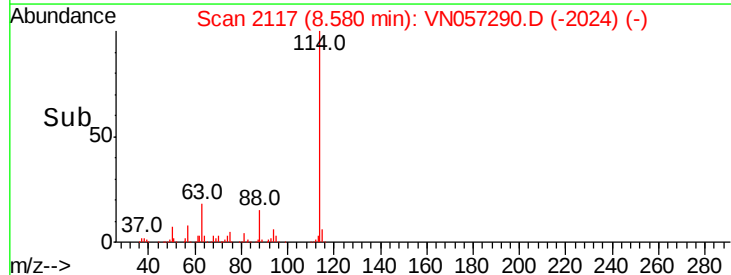
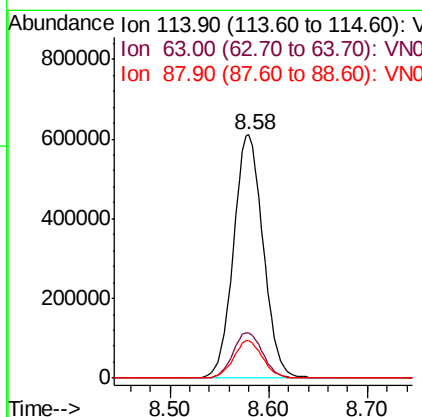
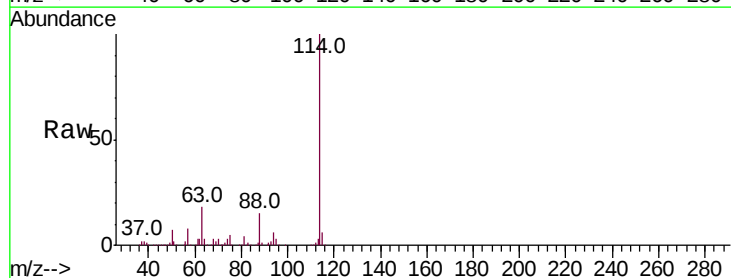
Instrument :
 MSVOA_N
 ClientSampleId :

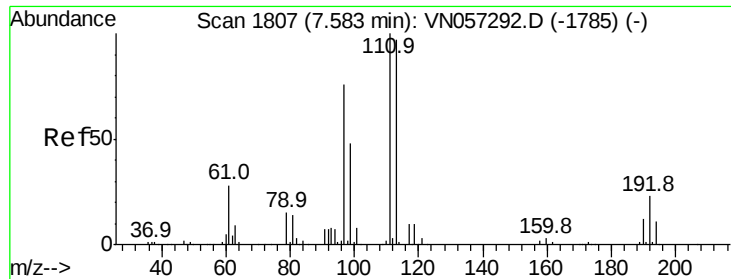
Tot Ion: 65 Resp: 49207
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion: 114 Resp: 1273544
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.8
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 5.640 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

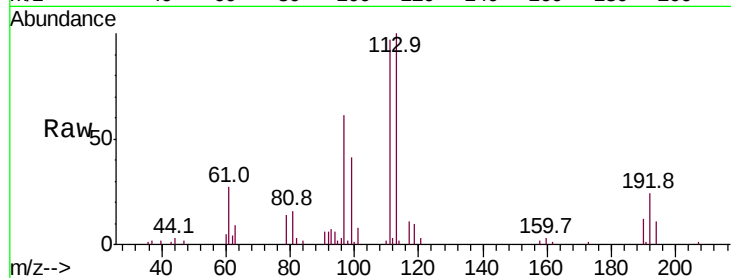
Tot Ion:113 Resp: 45460

Ion Ratio Lower Upper

113 100

111 101.8 82.1 123.1

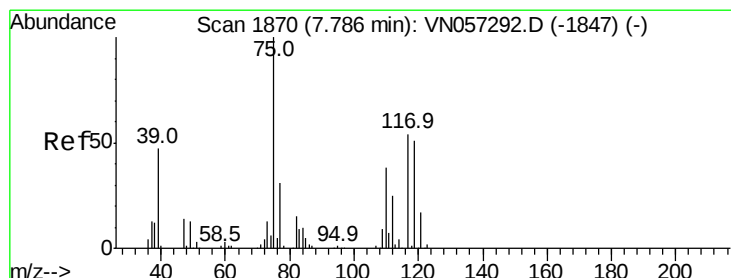
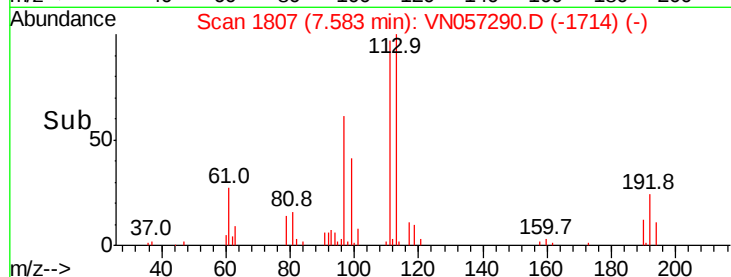
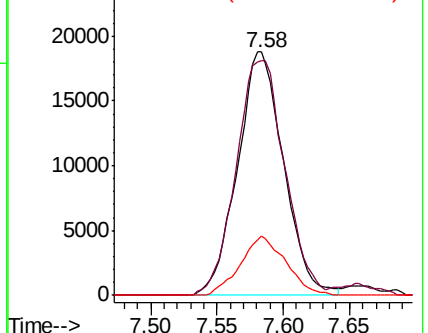
192 23.9 19.3 28.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

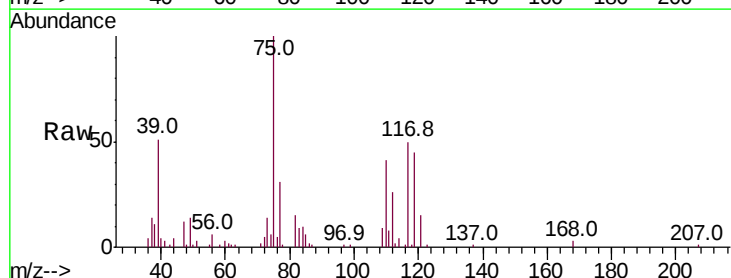
Tgt Ion: 75 Resp: 59546

Ion Ratio Lower Upper

75 100

110 40.0 19.5 58.5

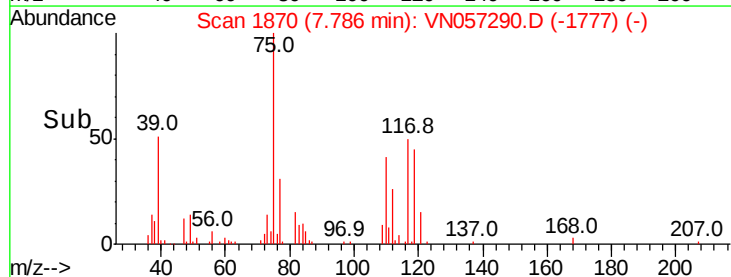
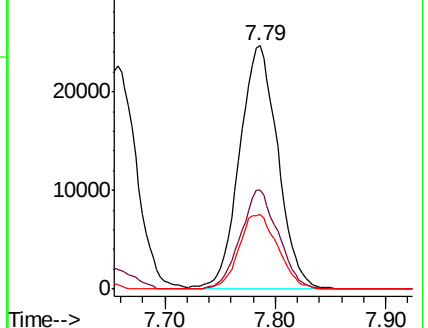
77 31.1 25.0 37.6

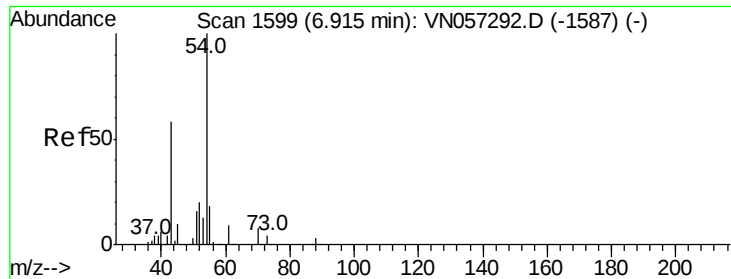


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

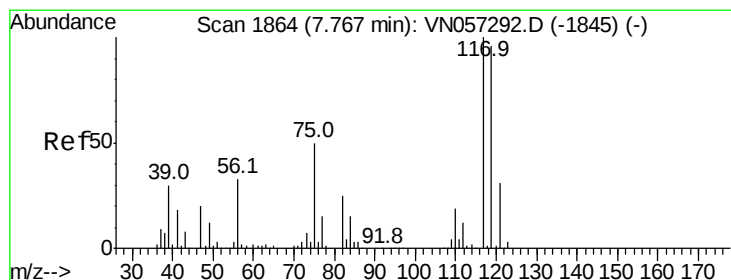
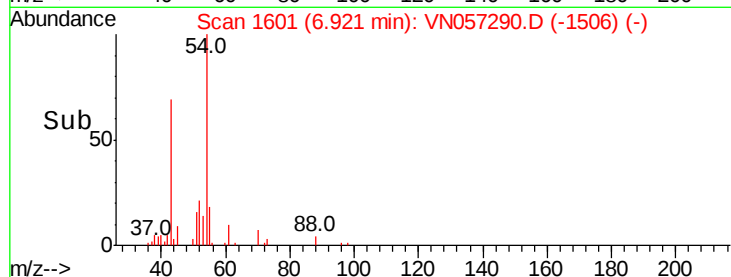
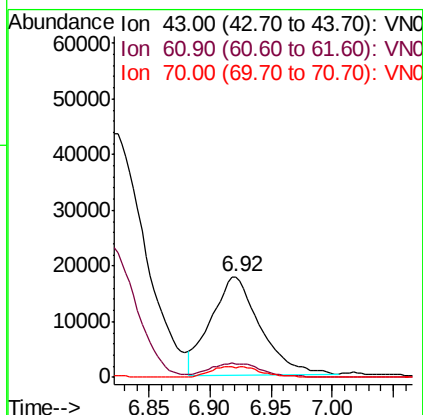
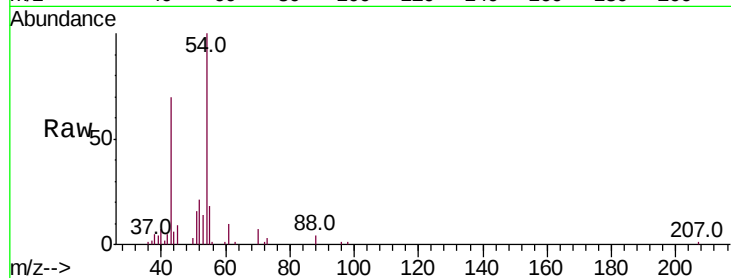




#37
Ethyl Acetate
Concen: 5.451 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

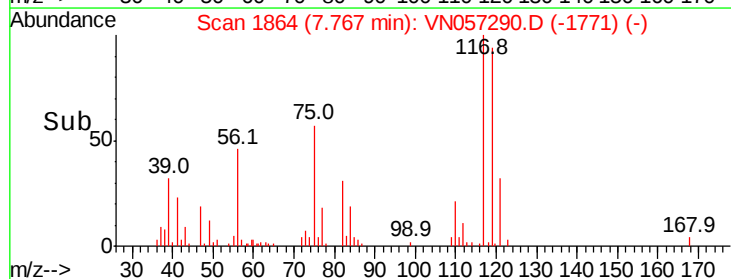
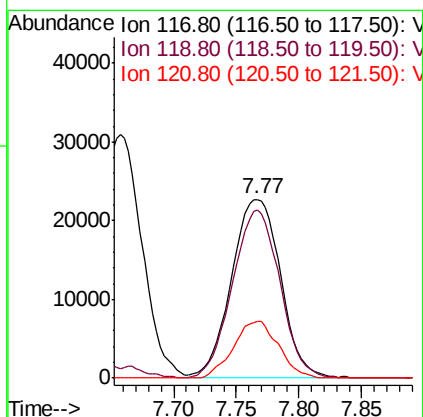
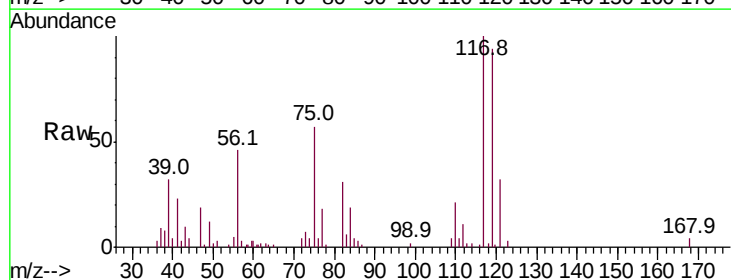
Instrument :
MSVOA_N
ClientSampled :

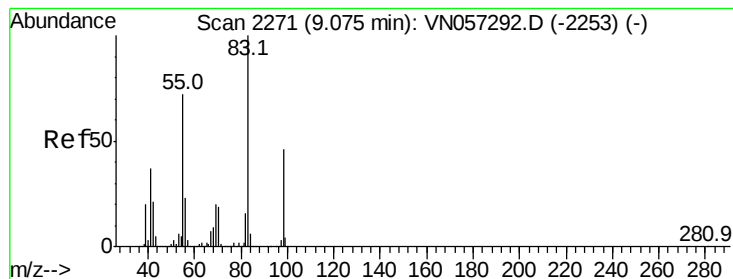
Tot Ion: 43 Resp: 49328
Ion Ratio Lower Upper
43 100
61 15.5 12.0 18.0
70 11.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 5.255 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 117 Resp: 61784
Ion Ratio Lower Upper
117 100
119 94.2 76.8 115.2
121 31.6 25.0 37.4





#39

Methvlcvclohexane

Concen: 5.347 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

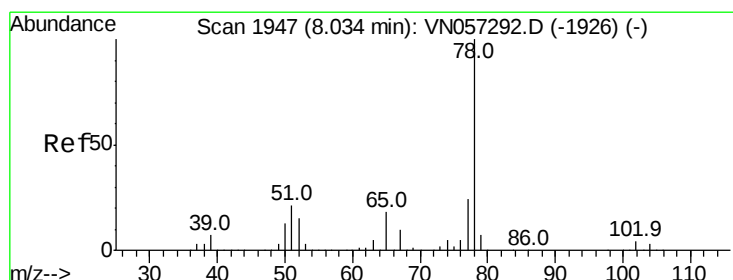
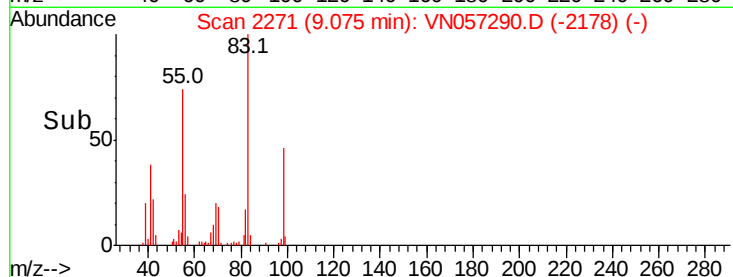
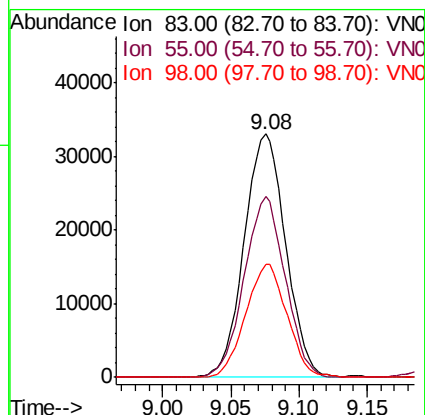
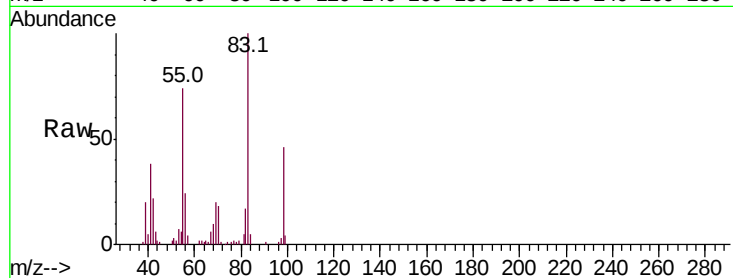
Tot Ion: 83 Resp: 69872

Ion Ratio Lower Upper

83 100

55 74.4 57.5 86.3

98 46.2 36.6 55.0



#40

Benzene

Concen: 5.429 ug/l

RT: 8.03 min Scan# 1947

Delta R.T. 0.00 min

Lab File: VN057290.D

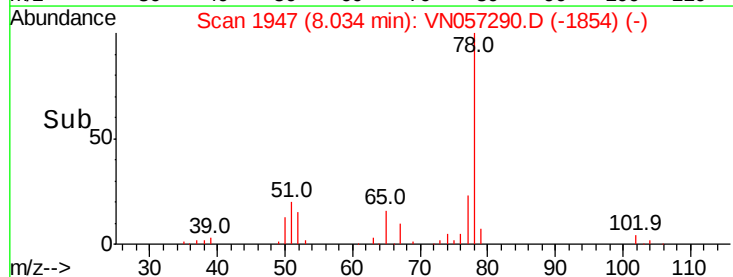
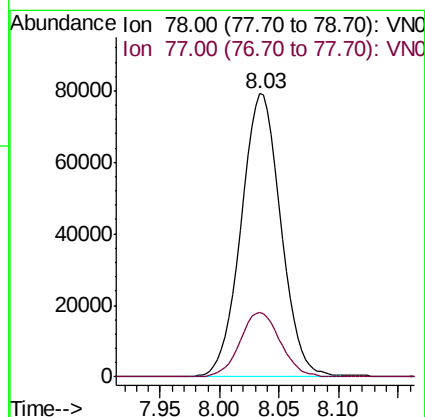
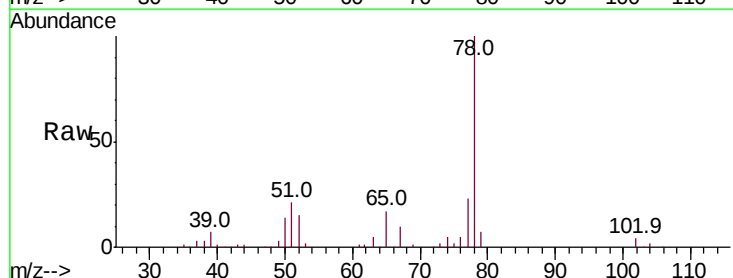
Acq: 14 Aug 2019 16:39

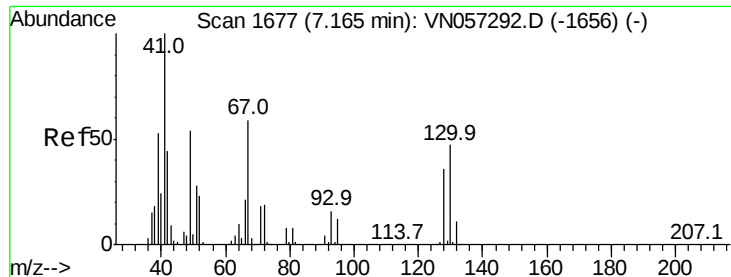
Tgt Ion: 78 Resp: 183426

Ion Ratio Lower Upper

78 100

77 22.8 19.1 28.7

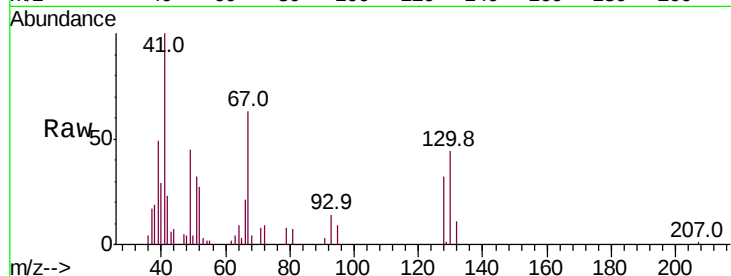




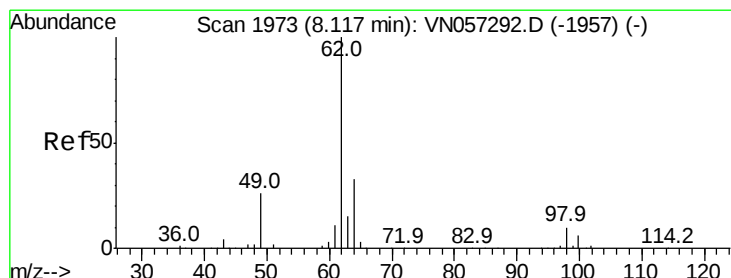
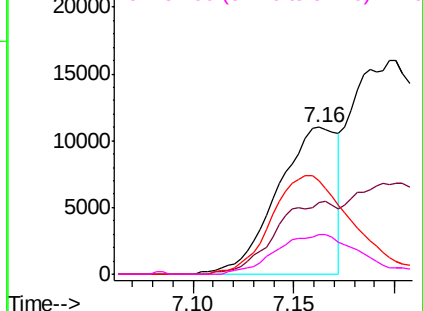
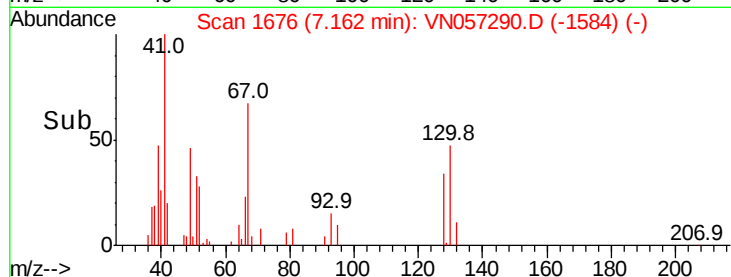
#41
Methacrylonitrile
Concen: 5.978 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 22601
Ion Ratio Lower Upper
41 100
39 50.7 0.0 0.0#
67 92.0 0.0 0.0#
52 38.0 0.0 0.0#

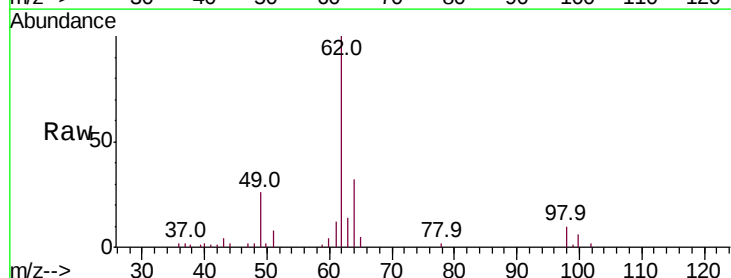


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

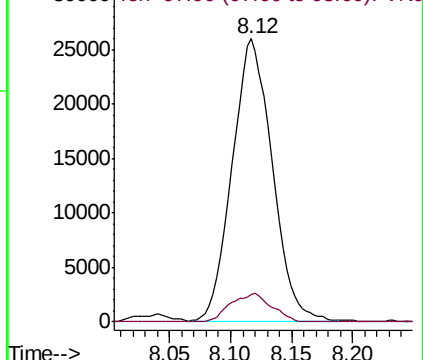
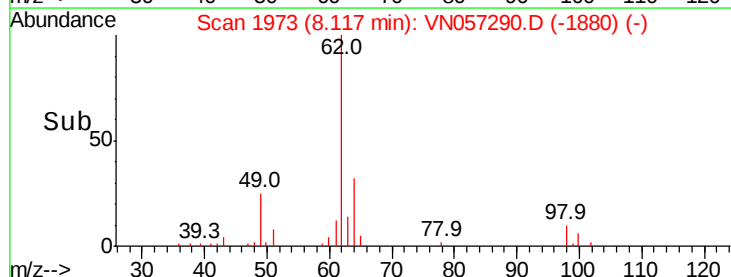


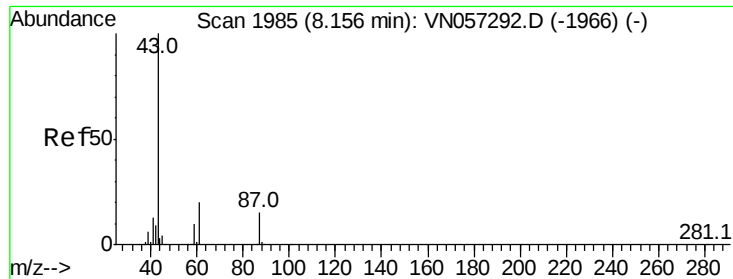
#42
1,2-Dichloroethane
Concen: 5.490 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 62 Resp: 59581
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 6.240 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

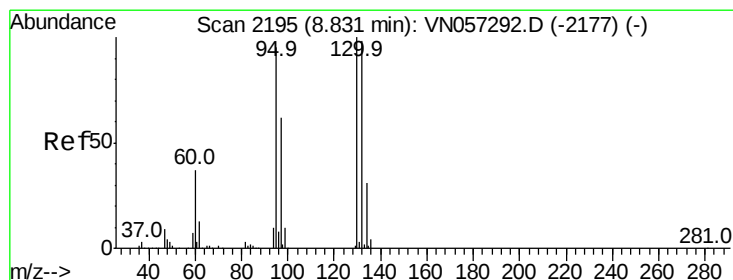
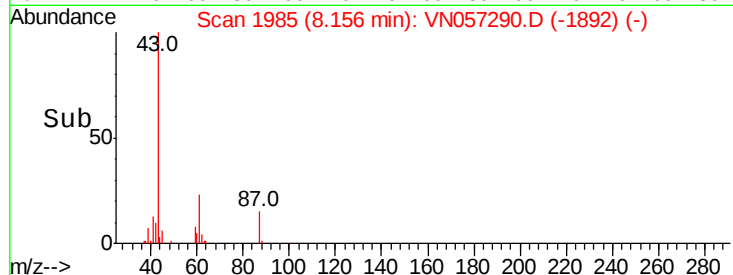
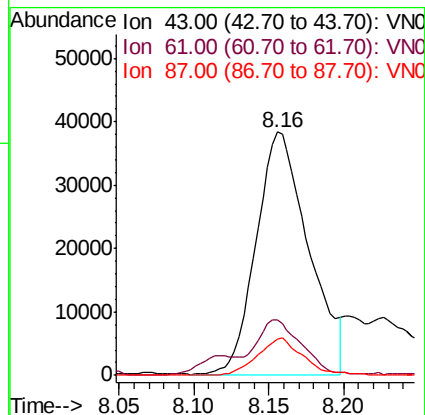
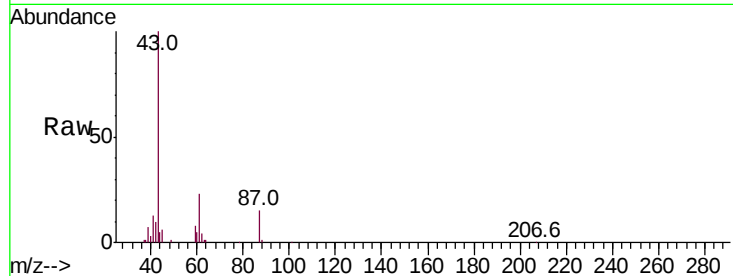
Tot Ion: 43 Resp: 93855

Ion Ratio Lower Upper

43 100

61 19.0 21.6 32.4#

87 13.3 11.4 17.0



#44

Trichloroethene

Concen: 5.309 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057290.D

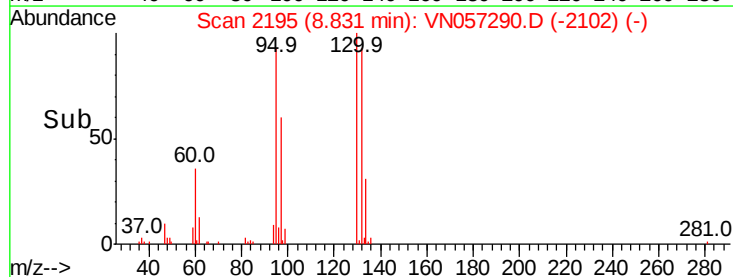
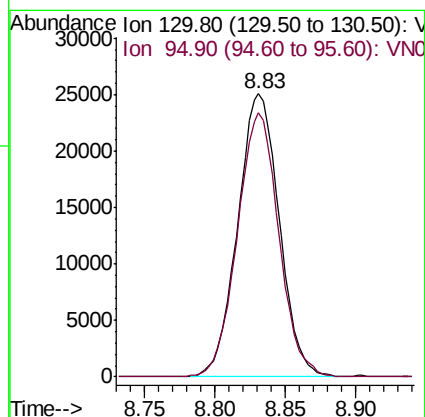
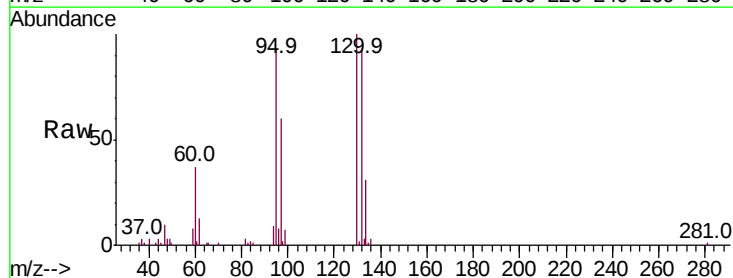
Acq: 14 Aug 2019 16:39

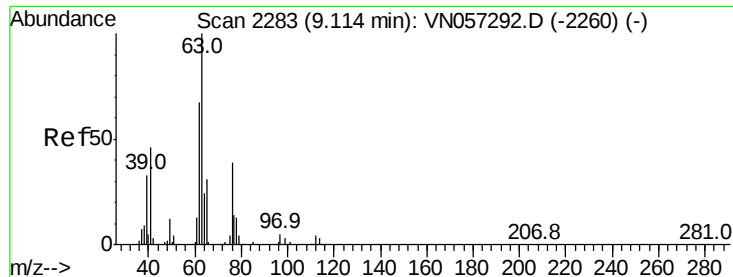
Tgt Ion: 130 Resp: 51692

Ion Ratio Lower Upper

130 100

95 93.4 0.0 189.2

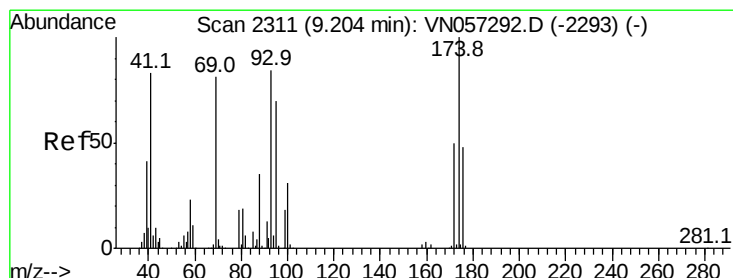
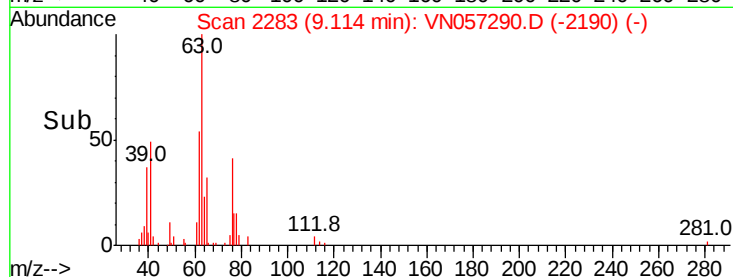
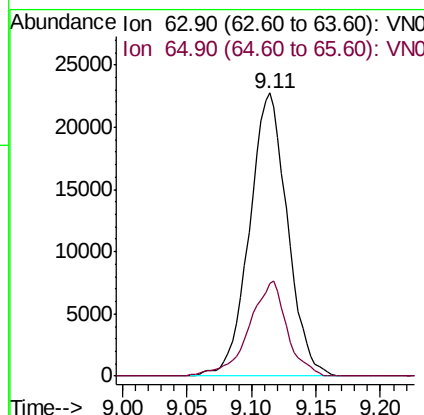
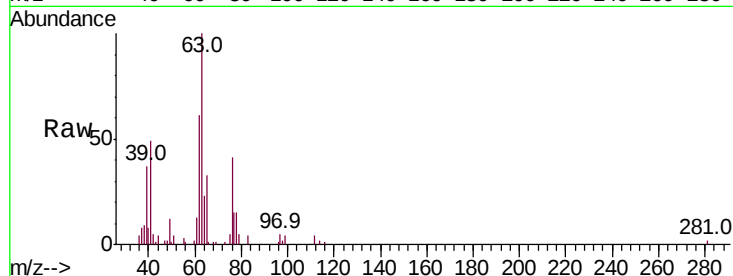




#45
 1,2-Dichloropropane
 Concen: 5.450 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

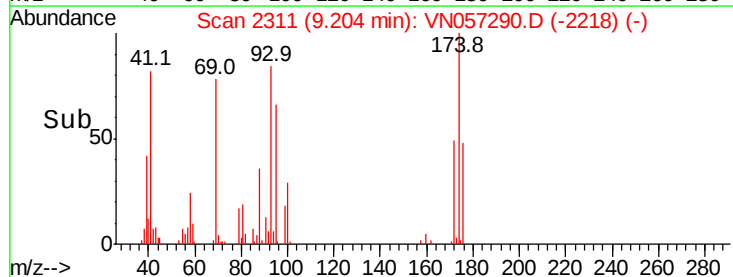
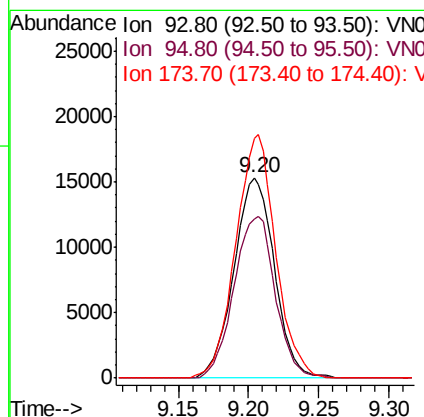
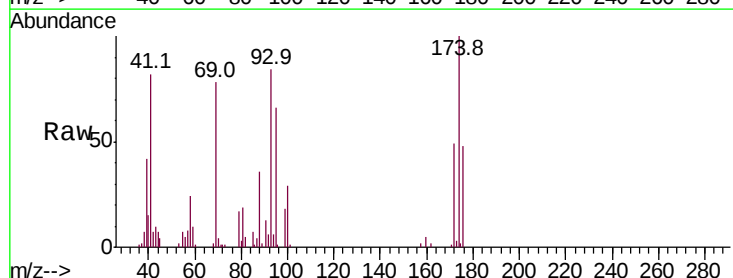
Instrument :
 MSVOA_N
 ClientSampled :

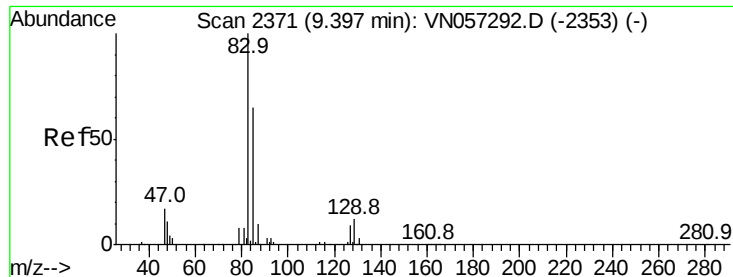
Tot Ion: 63 Resp: 46721
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.8 37.2



#46
 Dibromomethane
 Concen: 5.333 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion: 93 Resp: 30746
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.5 99.7
 174 119.6 95.7 143.5





#47

Bromodichloromethane

Concen: 5.246 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampled :

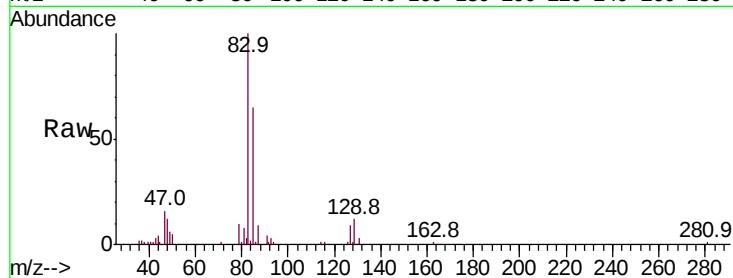
Tot Ion: 83 Resp: 58431

Ion Ratio Lower Upper

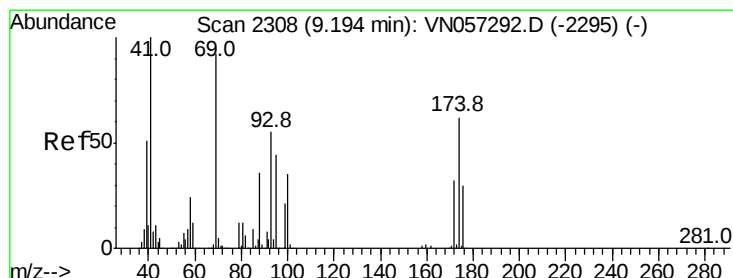
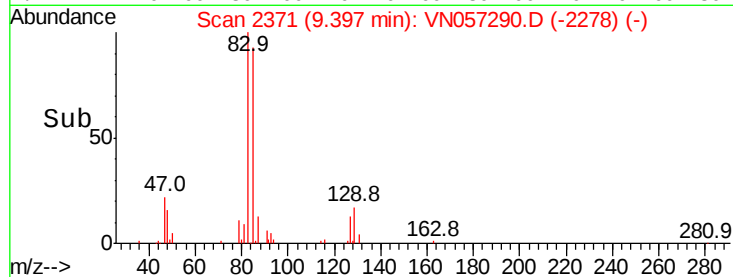
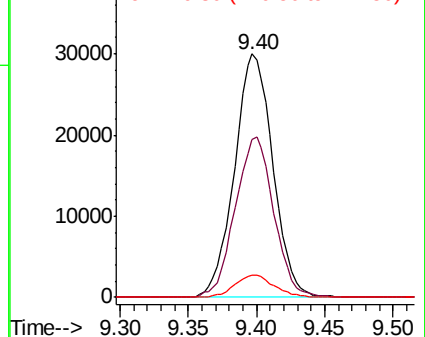
83 100

85 64.7 51.9 77.9

127 9.0 7.2 10.8



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



#48

Methyl methacrylate

Concen: 5.429 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

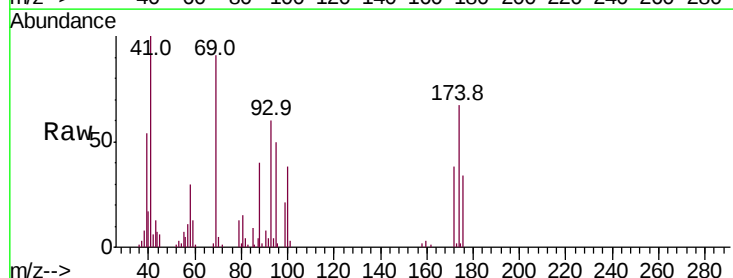
Tgt Ion: 41 Resp: 37445

Ion Ratio Lower Upper

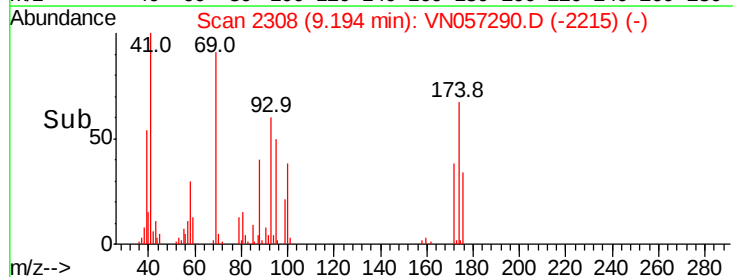
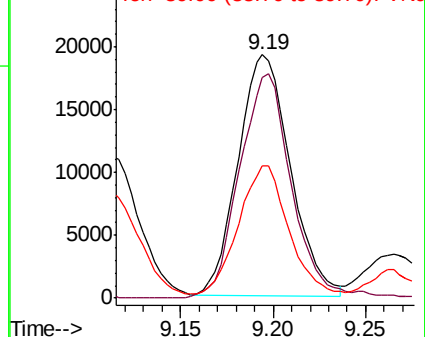
41 100

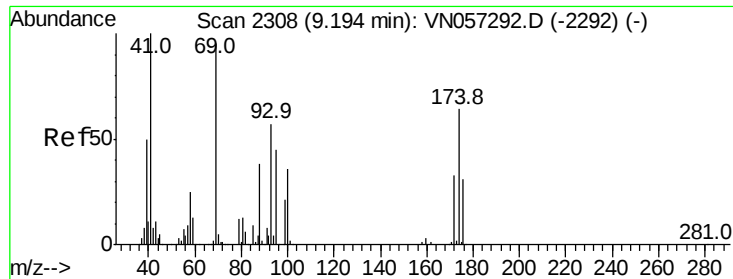
69 93.5 75.9 113.9

39 54.6 42.3 63.5



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

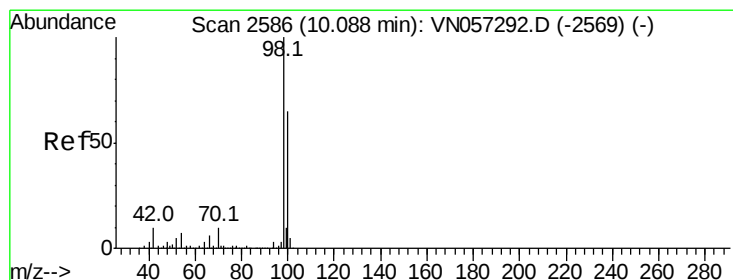
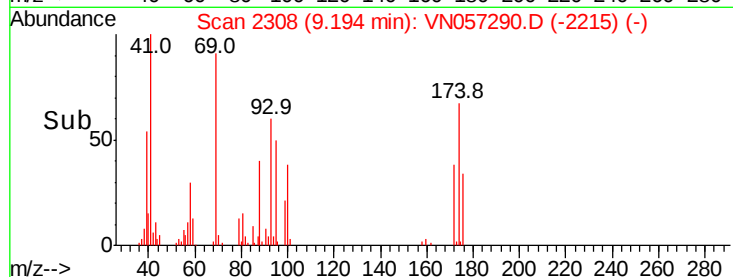
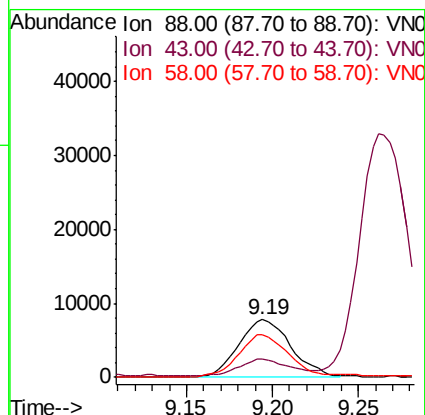
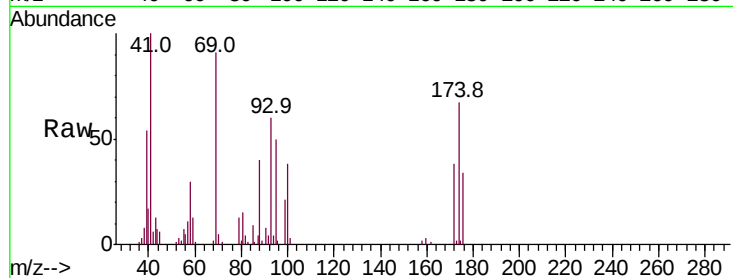




#49
1,4-Dioxane
Concen: 106.657 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

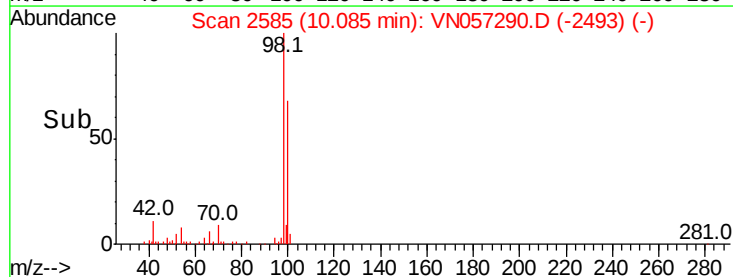
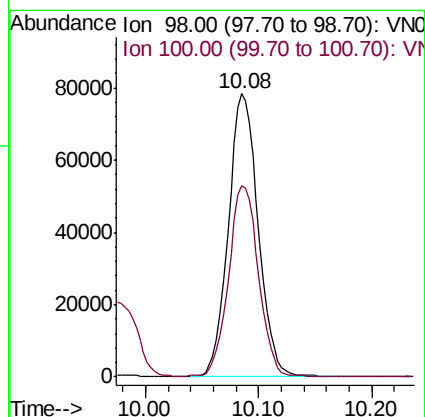
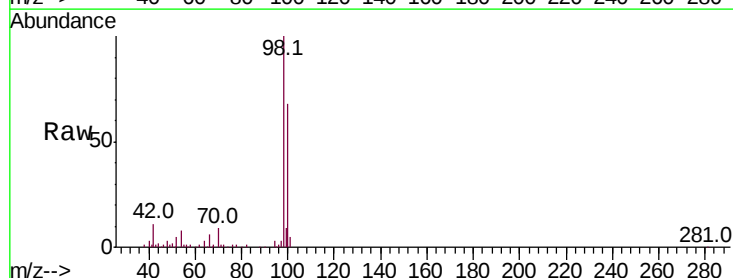
Instrument :
MSVOA_N
ClientSampled :

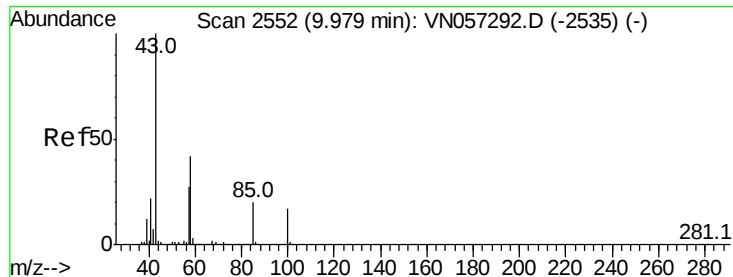
Tot Ion: 88 Resp: 16523
Ion Ratio Lower Upper
88 100
43 27.8 22.9 34.3
58 70.2 52.7 79.1



#50
Toluene-d8
Concen: 4.889 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 98 Resp: 143684
Ion Ratio Lower Upper
98 100
100 68.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 27.247 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

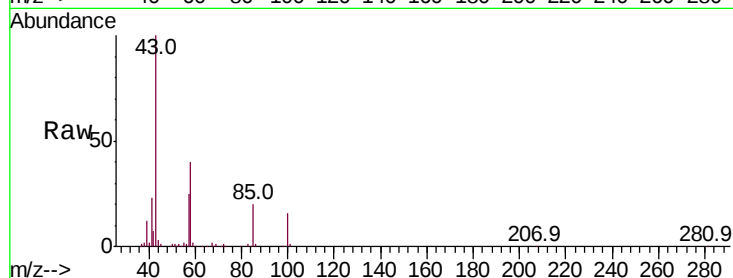
ClientSampleId :

Tot Ion: 43 Resp: 238658

Ion Ratio Lower Upper

43 100

58 41.8 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-2535) (-)

9.98

150000

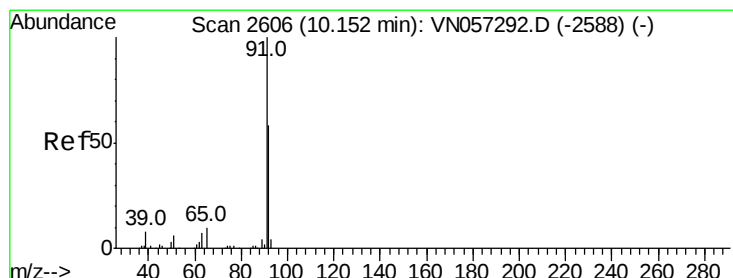
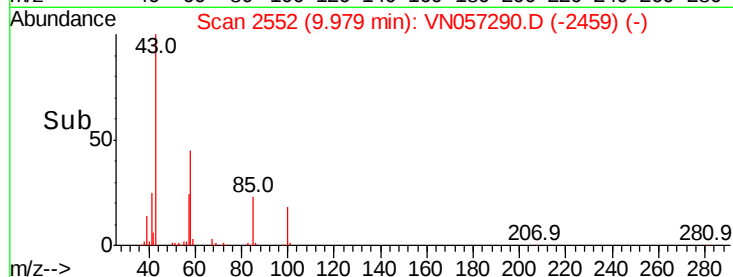
100000

50000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 5.383 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057290.D

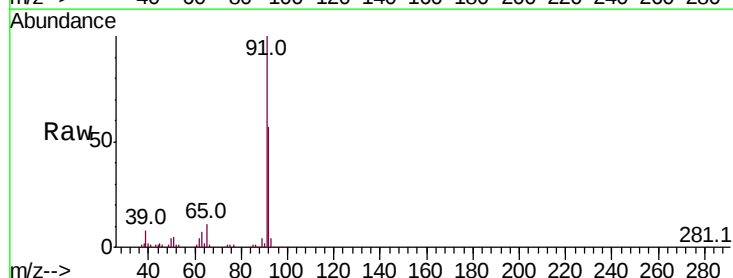
Acq: 14 Aug 2019 16:39

Tgt Ion: 92 Resp: 112826

Ion Ratio Lower Upper

92 100

91 173.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN057292.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN057292.D (-2588) (-)

120000

100000

80000

60000

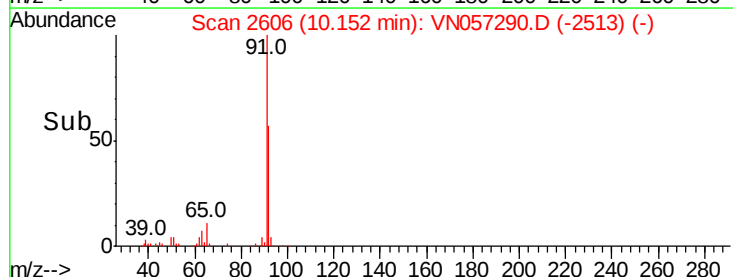
40000

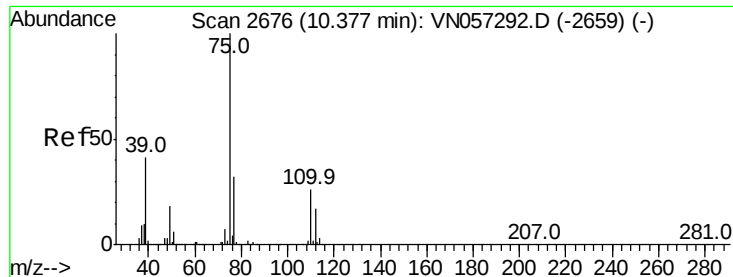
20000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 5.361 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

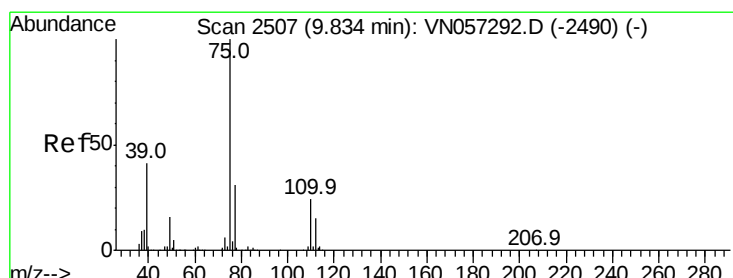
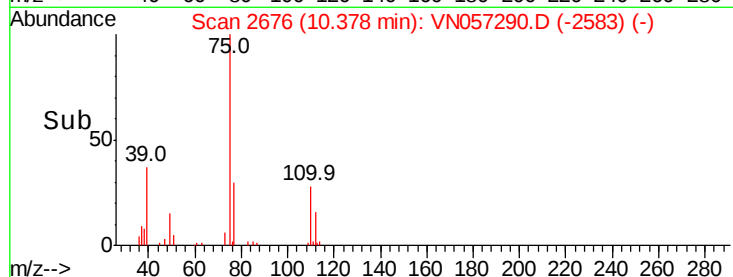
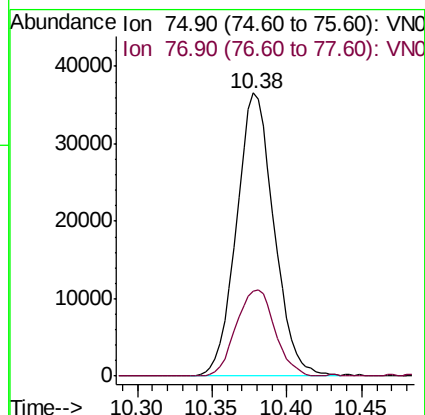
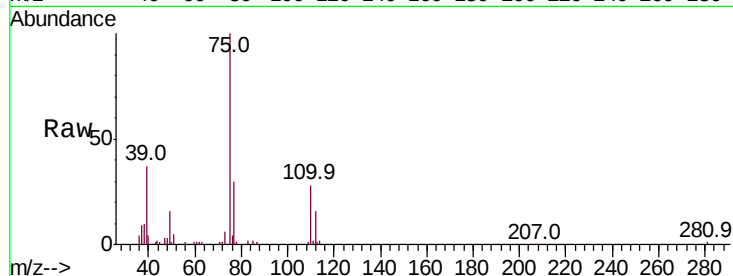
ClientSampleId :

Tot Ion: 75 Resp: 63856

Ion Ratio Lower Upper

75 100

77 30.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 5.138 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

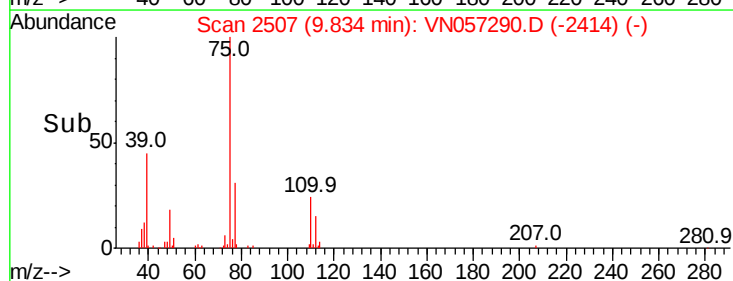
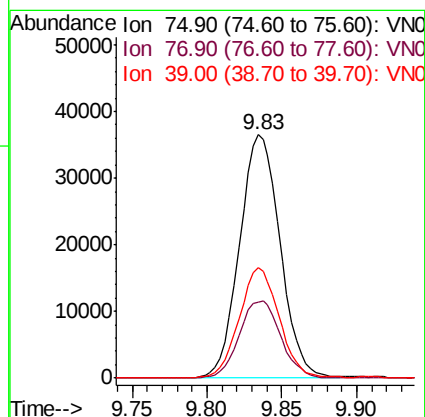
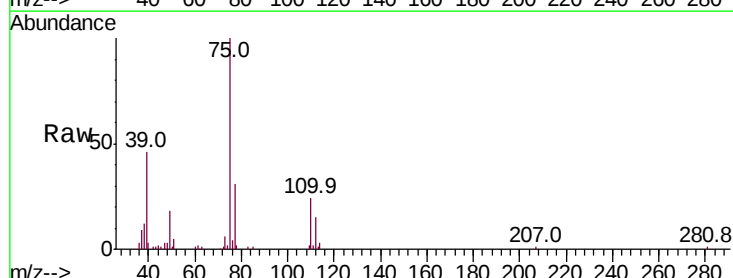
Tgt Ion: 75 Resp: 68952

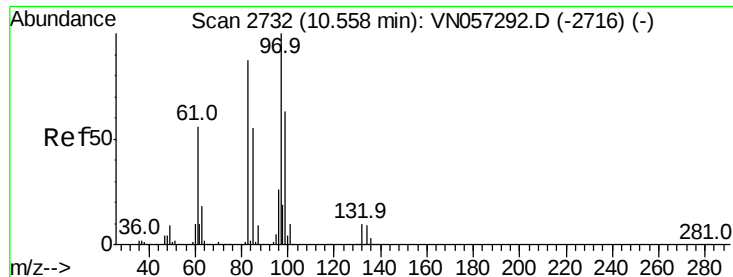
Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3

39 45.6 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 5.239 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

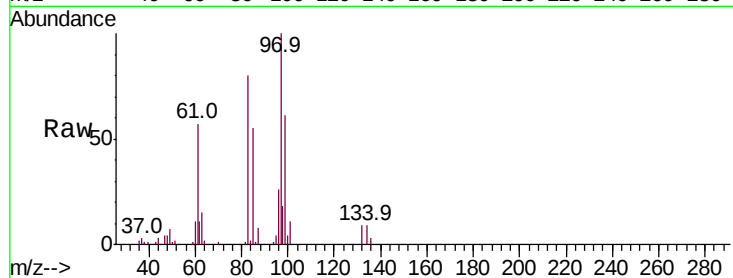
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 43100

Ion	Ratio	Lower	Upper
97	100		
83	80.4	69.8	104.8
85	54.6	44.1	66.1
99	61.2	50.2	75.2

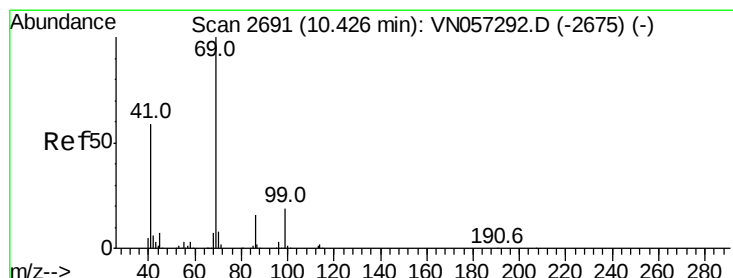
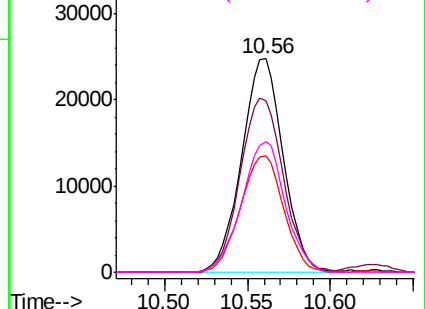
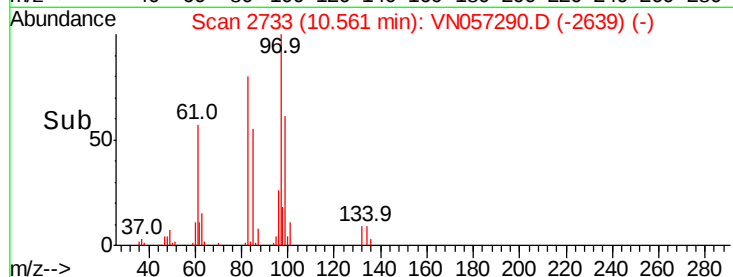


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 5.219 ug/l

RT: 10.43 min Scan# 2691

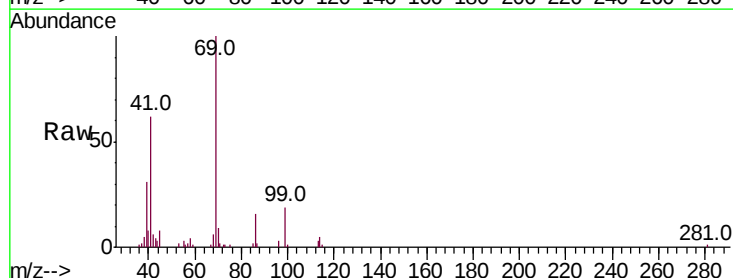
Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion: 69 Resp: 60610

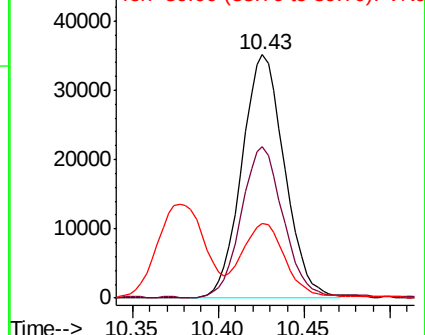
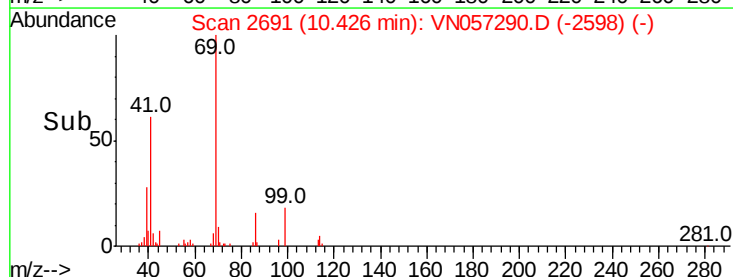
Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.2	72.2
39	30.3	23.4	35.0

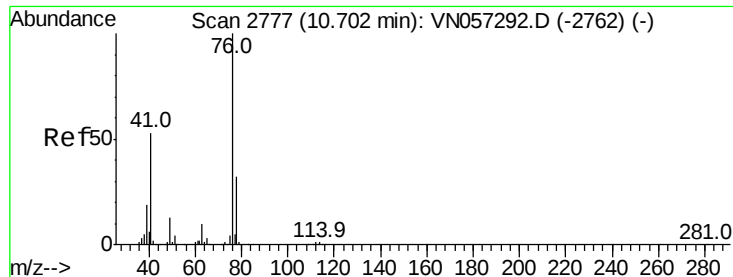


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.487 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

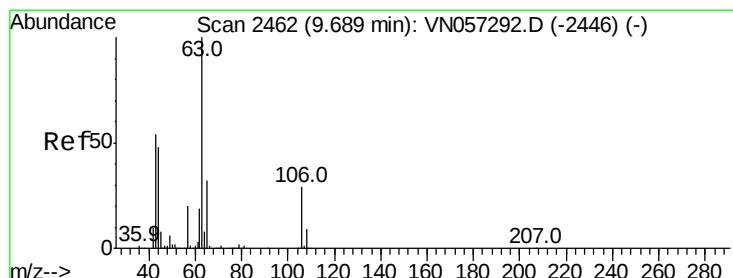
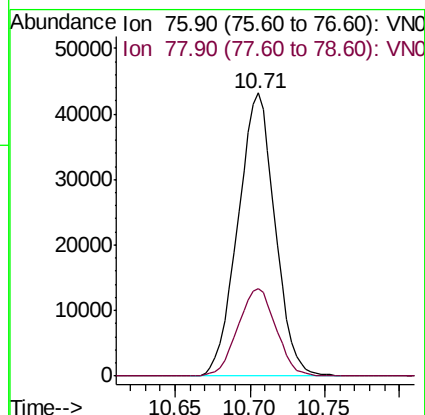
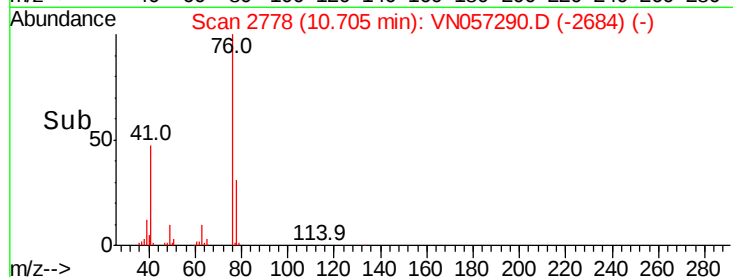
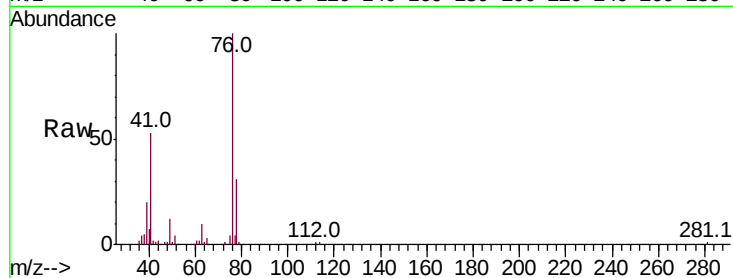
ClientSampled :

Tot Ion: 76 Resp: 74539

Ion Ratio Lower Upper

76 100

78 31.8 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 22.468 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057290.D

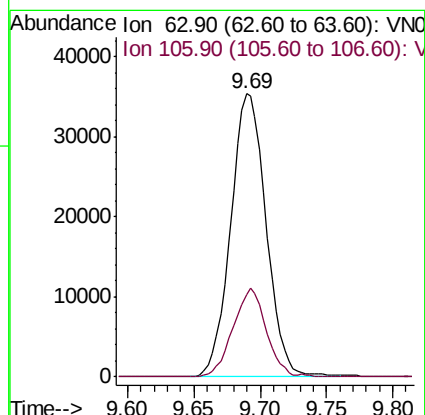
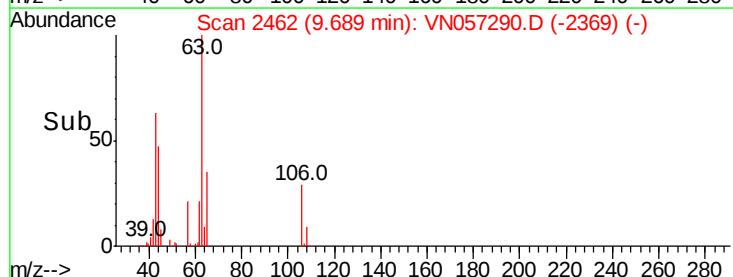
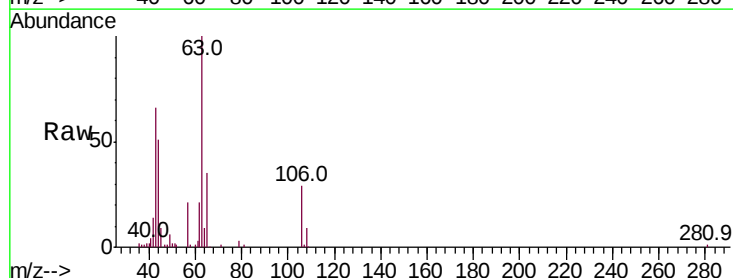
Acq: 14 Aug 2019 16:39

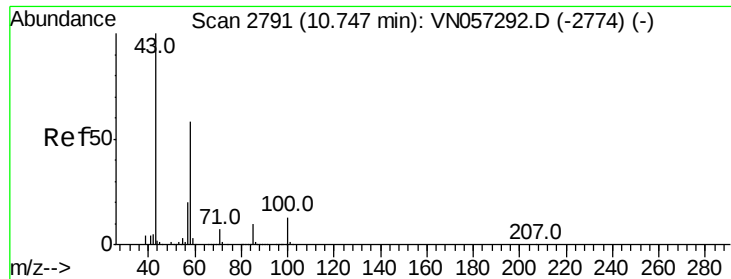
Tgt Ion: 63 Resp: 65615

Ion Ratio Lower Upper

63 100

106 29.2 23.2 34.8

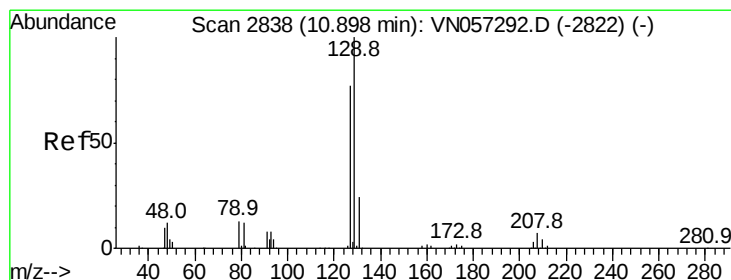
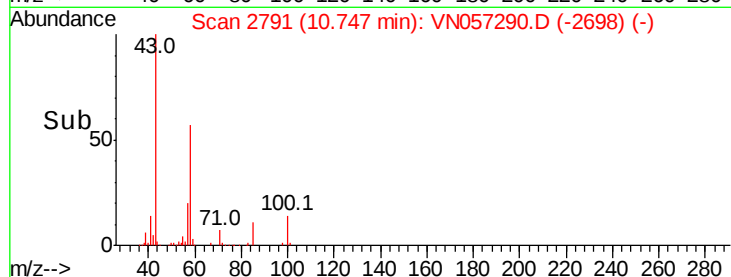
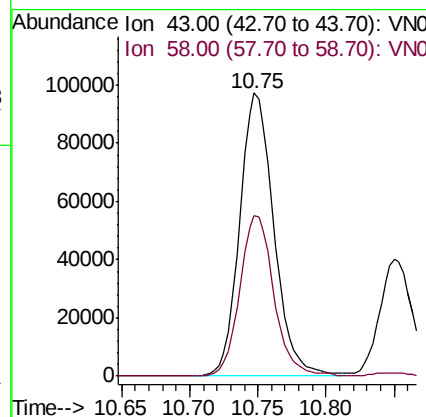
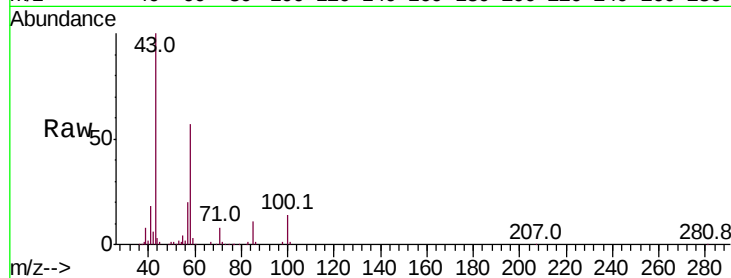




#59
2-Hexanone
Concen: 27.045 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

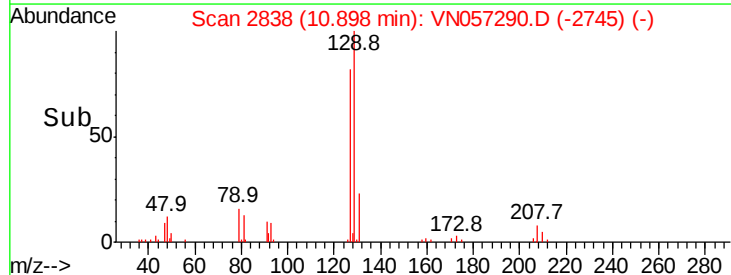
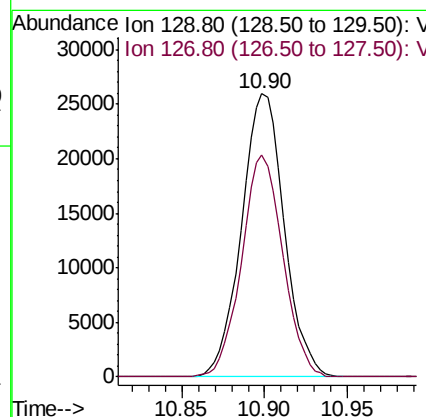
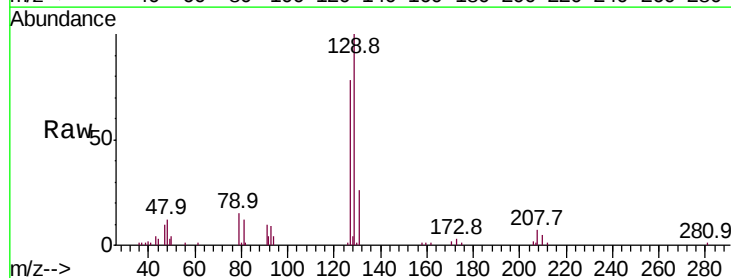
Instrument :
MSVOA_N
ClientSampleId :

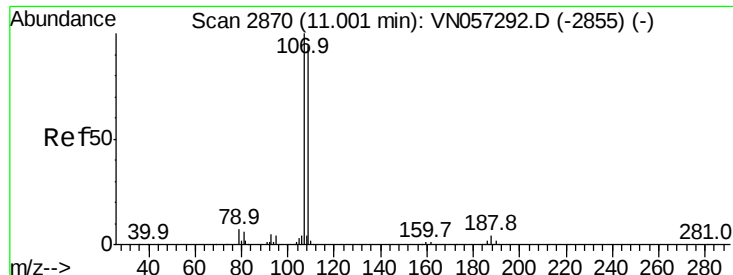
Tot Ion: 43 Resp: 168357
Ion Ratio Lower Upper
43 100
58 56.8 28.6 85.9



#60
Dibromochloromethane
Concen: 5.048 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 129 Resp: 46590
Ion Ratio Lower Upper
129 100
127 75.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 5.381 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

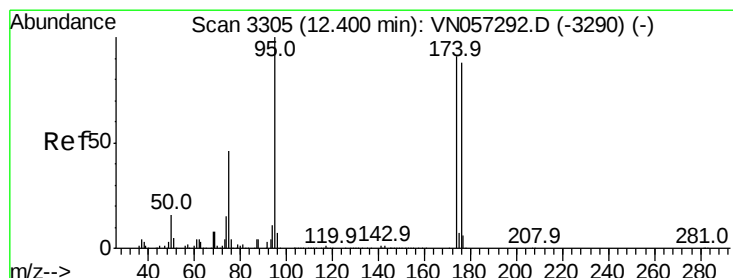
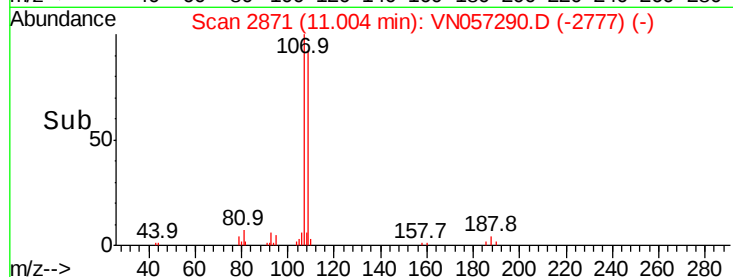
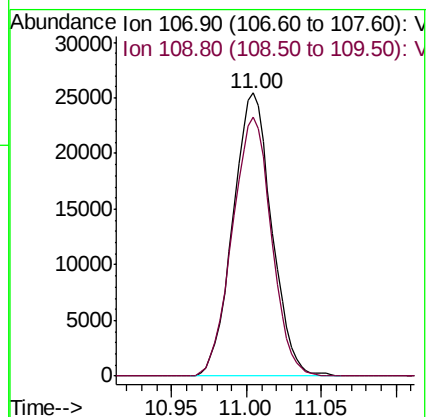
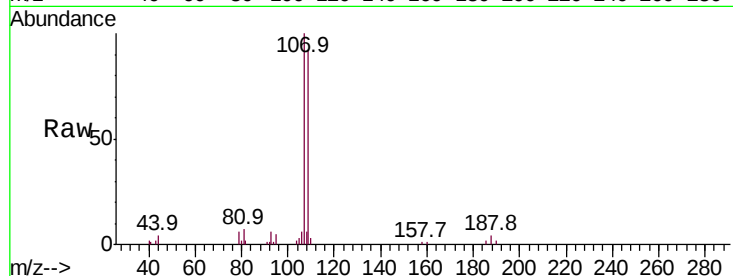
ClientSampleId :

Tot Ion:107 Resp: 46004

Ion Ratio Lower Upper

107 100

109 92.0 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 5.044 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

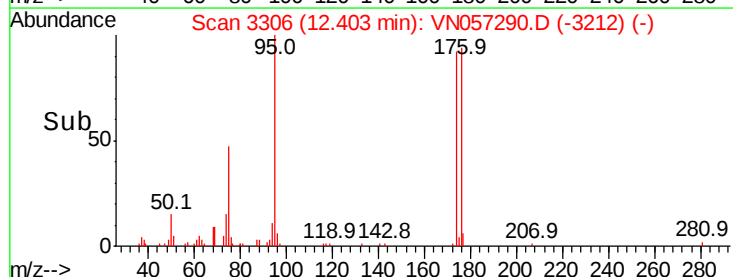
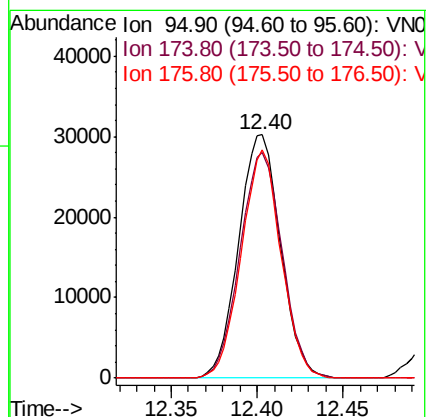
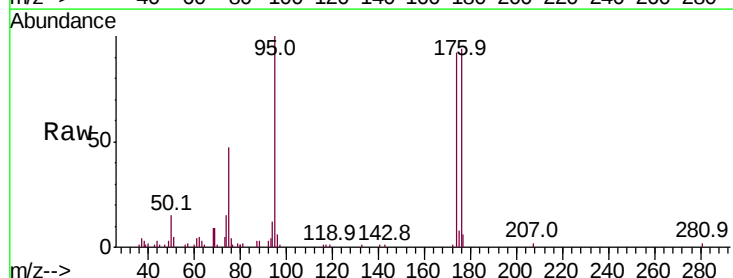
Tgt Ion: 95 Resp: 51113

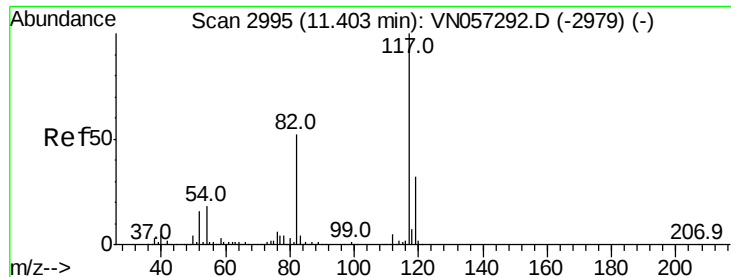
Ion Ratio Lower Upper

95 100

174 93.3 0.0 185.0

176 89.2 0.0 181.0

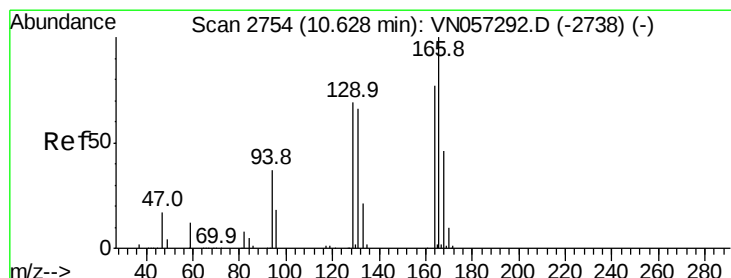
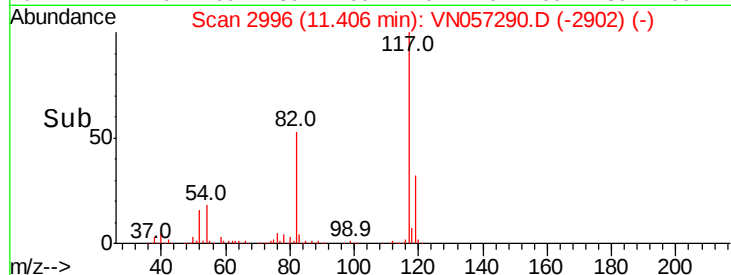
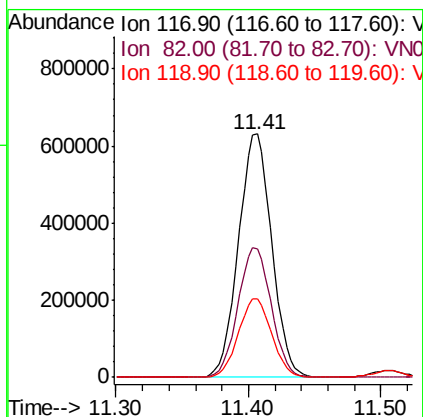
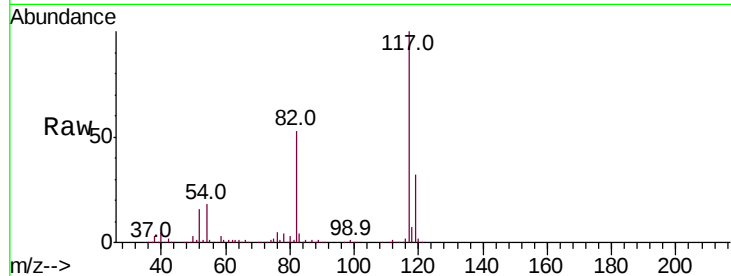




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

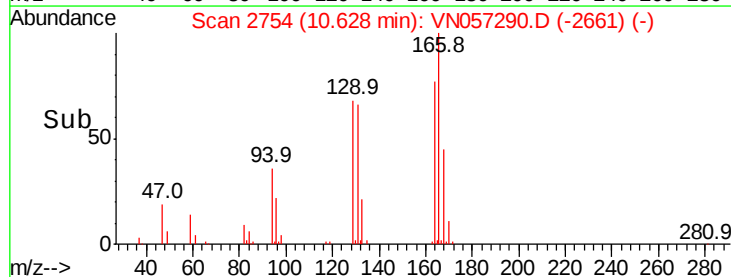
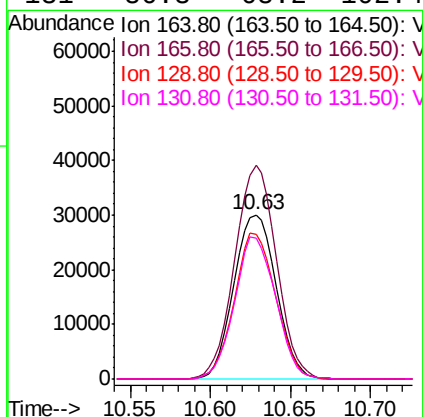
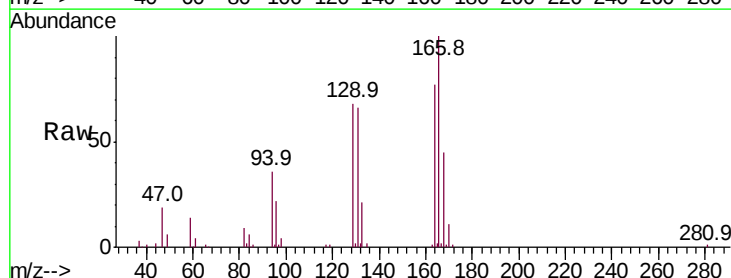
Instrument :
MSVOA_N
ClientSampleId :

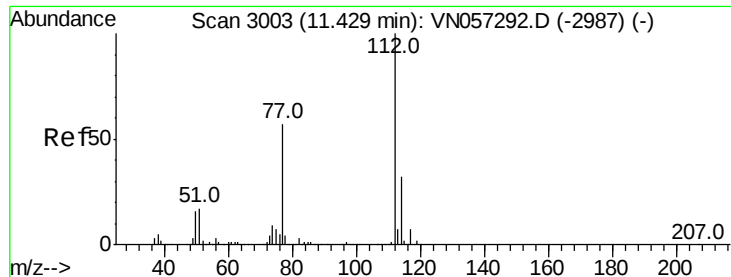
Tot Ion:117 Resp: 1101494
Ion Ratio Lower Upper
117 100
82 52.8 41.2 61.8
119 32.4 25.8 38.8



#64
Tetrachloroethene
Concen: 5.609 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion:164 Resp: 54315
Ion Ratio Lower Upper
164 100
166 130.3 103.5 155.3
129 88.6 71.2 106.8
131 86.3 68.2 102.4





#65

Chlorobenzene

Concen: 5.413 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

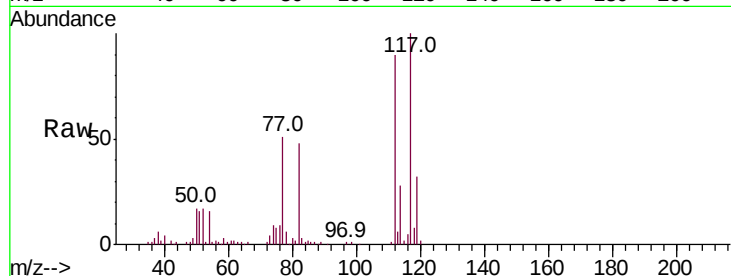
ClientSampleId :

Tot Ion:112 Resp: 121389

Ion Ratio Lower Upper

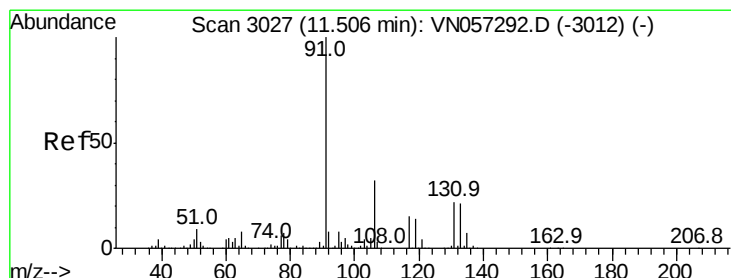
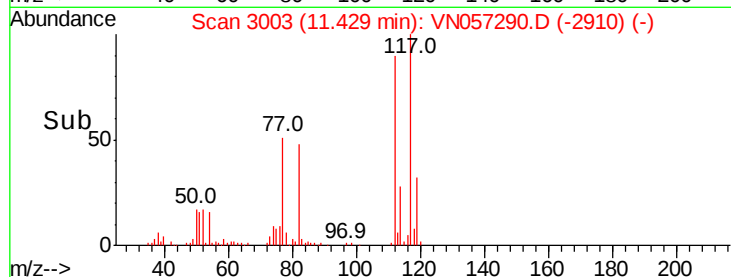
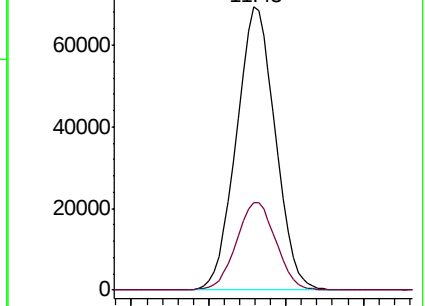
112 100

114 31.0 25.7 38.5



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: 5.111 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

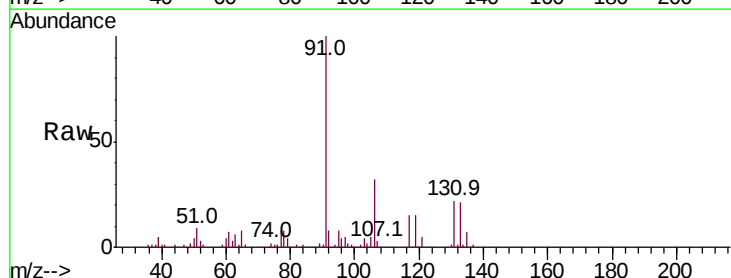
Tgt Ion:131 Resp: 44275

Ion Ratio Lower Upper

131 100

133 100.1 47.6 142.8

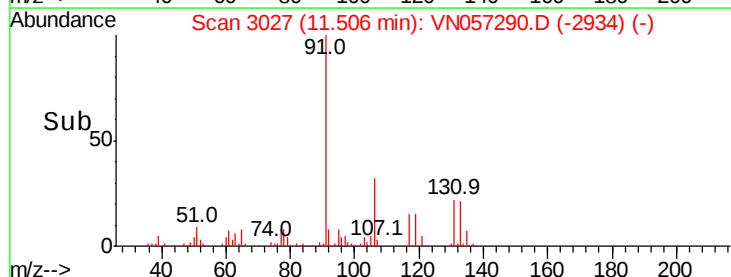
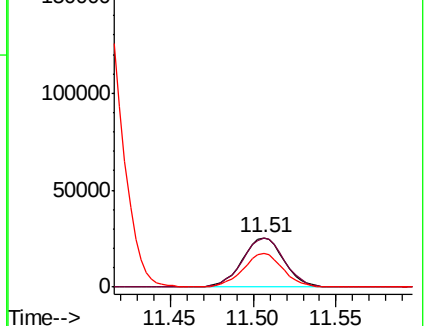
119 66.6 32.0 96.2

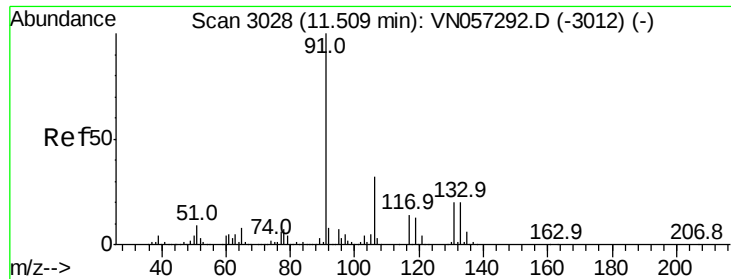


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.320 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

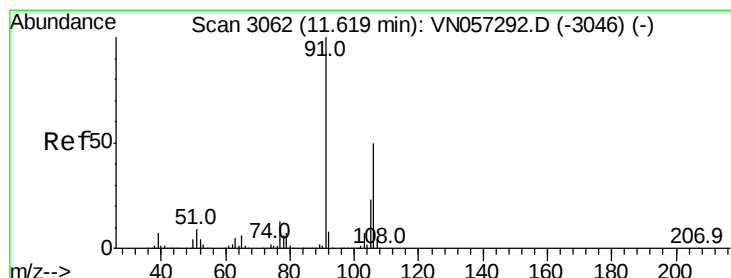
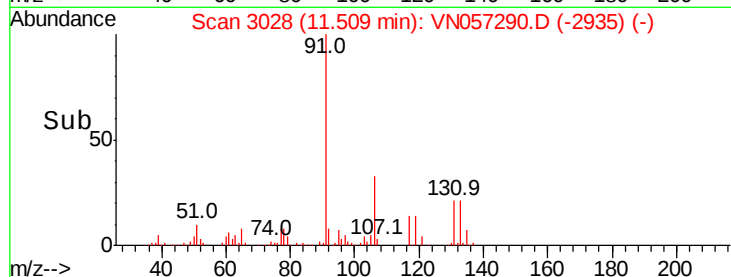
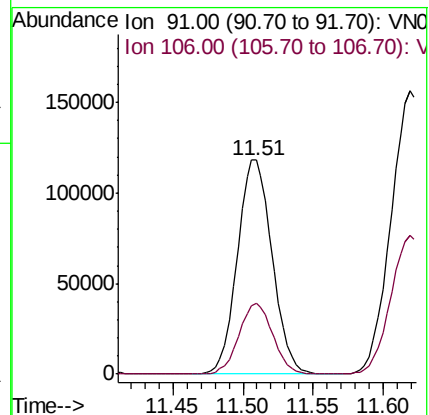
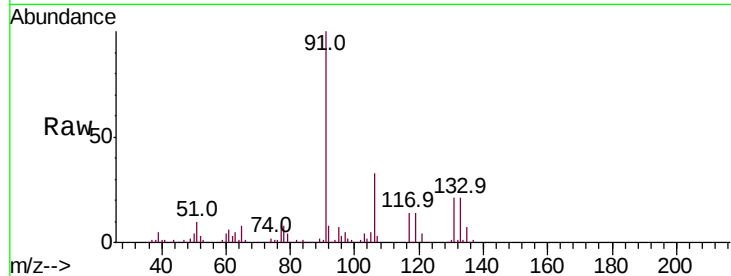
ClientSampled :

Tot Ion: 91 Resp: 204191

Ion Ratio Lower Upper

91 100

106 32.8 25.5 38.3



#68

m/p-Xylenes

Concen: 10.229 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057290.D

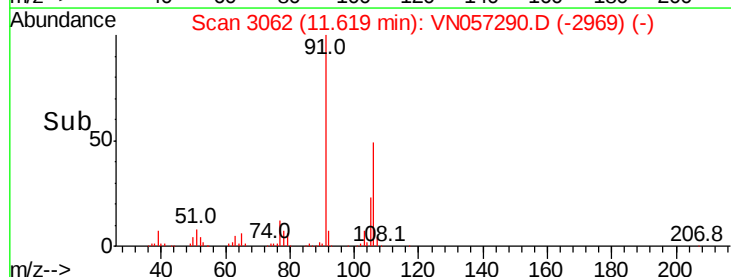
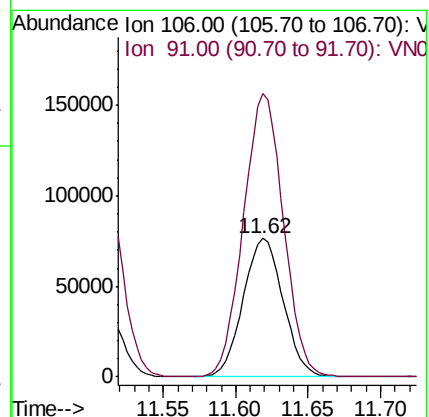
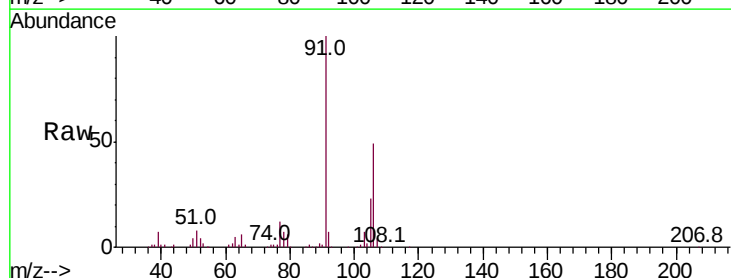
Acq: 14 Aug 2019 16:39

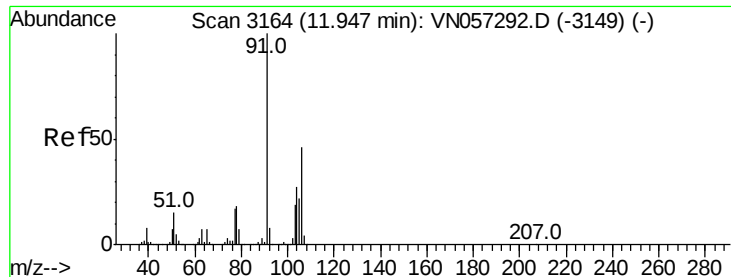
Tgt Ion:106 Resp: 146666

Ion Ratio Lower Upper

106 100

91 205.2 161.5 242.3





#69

o-Xylene

Concen: 5.187 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

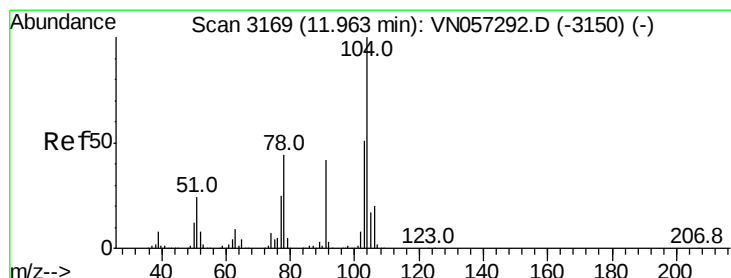
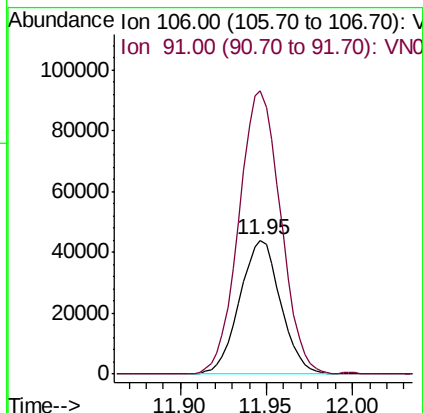
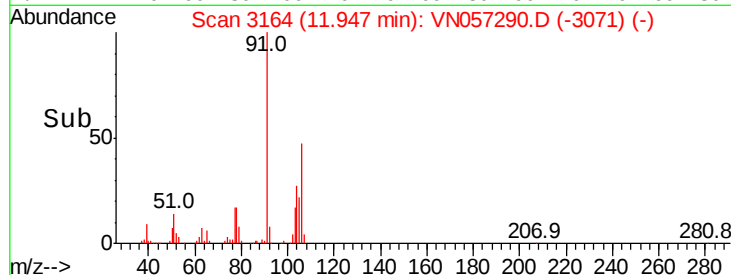
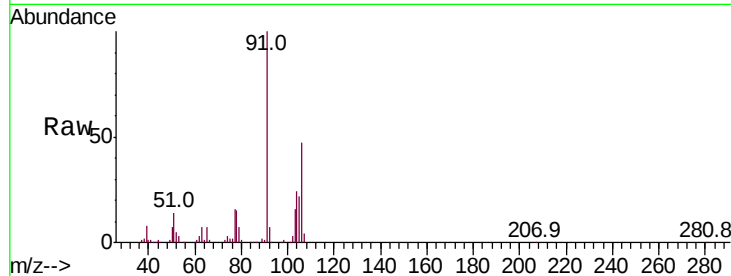
ClientSampleId :

Tot Ion:106 Resp: 72909

Ion Ratio Lower Upper

106 100

91 216.1 106.3 319.0



#70

Styrene

Concen: 4.870 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

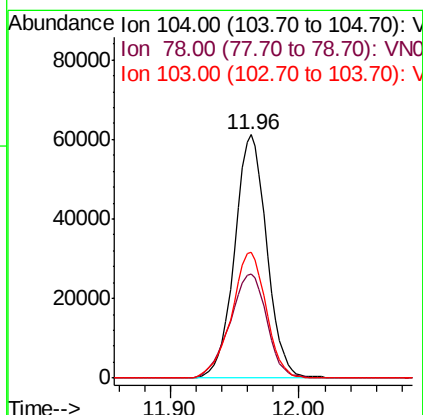
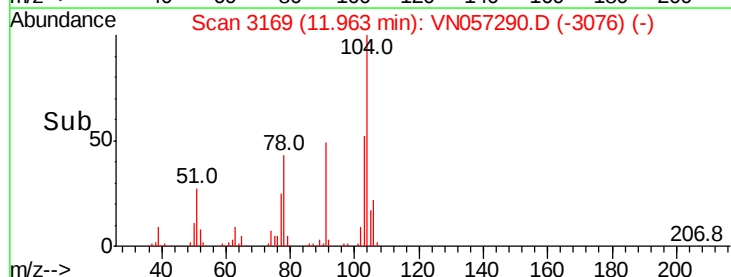
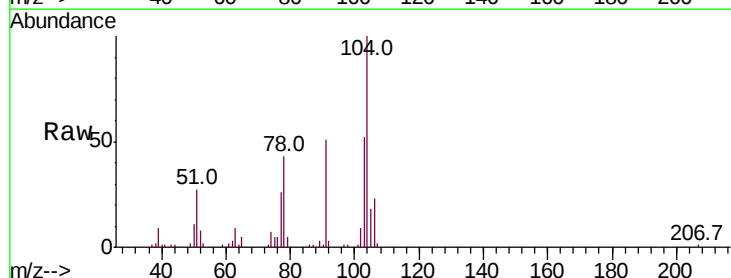
Tgt Ion:104 Resp: 105830

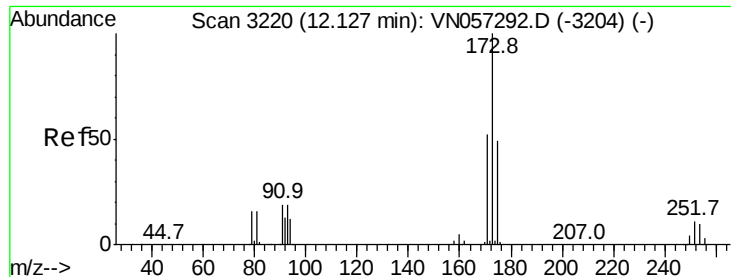
Ion Ratio Lower Upper

104 100

78 49.0 39.2 58.8

103 55.7 44.6 66.8





#71

Bromoform

Concen: 4.893 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

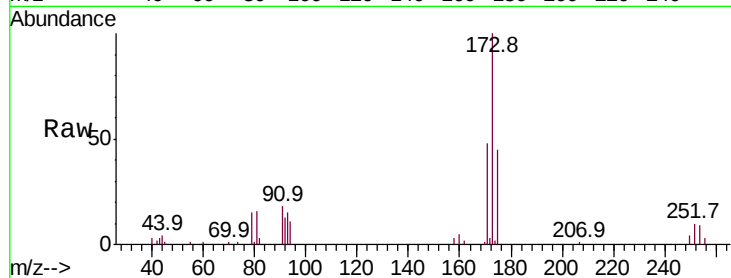
Tot Ion:173 Resp: 32585

Ion Ratio Lower Upper

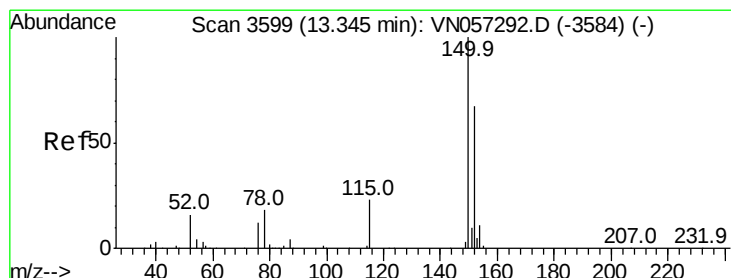
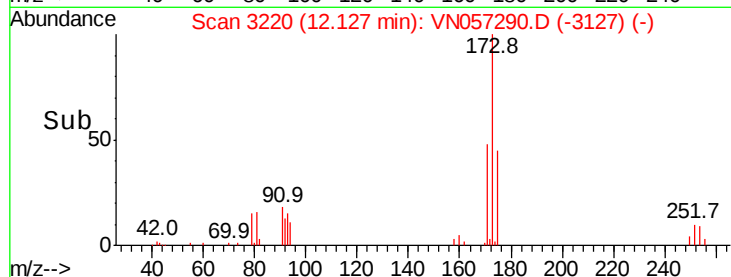
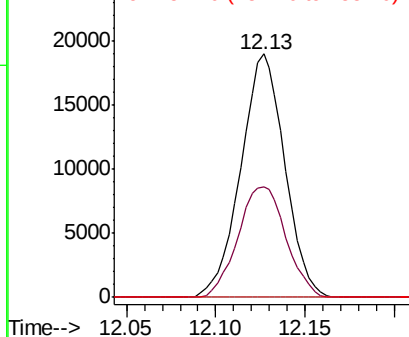
173 100

175 49.5 24.2 72.6

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

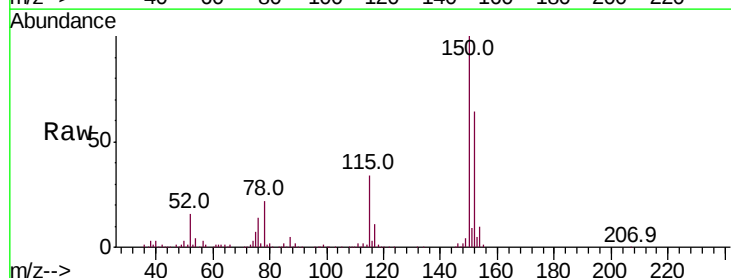
Tgt Ion:152 Resp: 319100

Ion Ratio Lower Upper

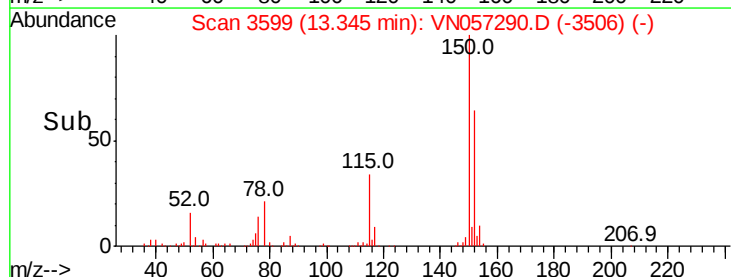
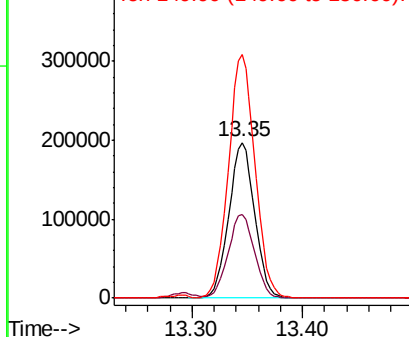
152 100

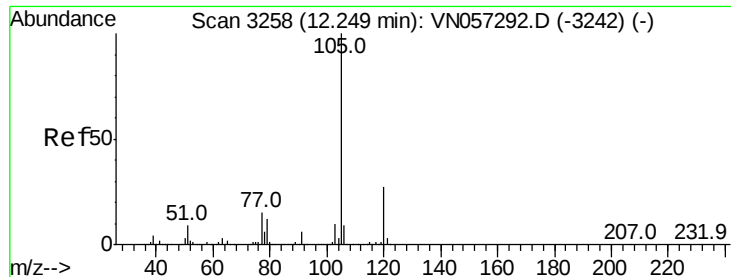
115 54.7 27.3 81.9

150 160.9 0.0 344.4



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





#73

Isopropylbenzene

Concen: 6.394 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

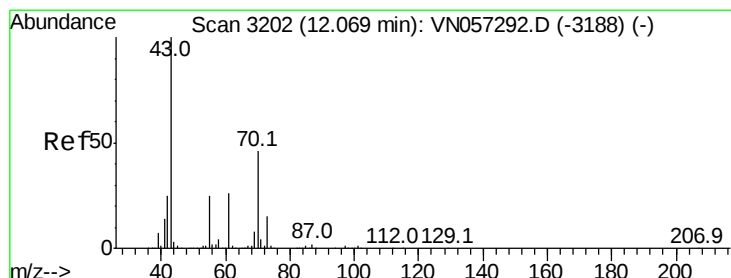
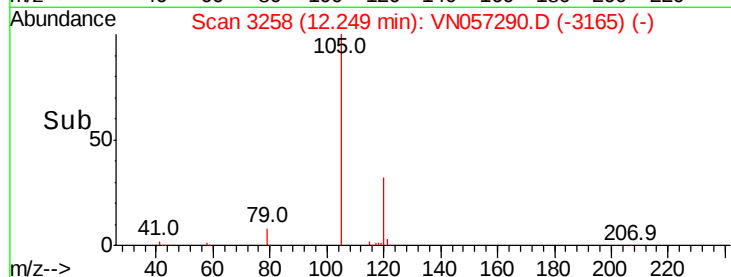
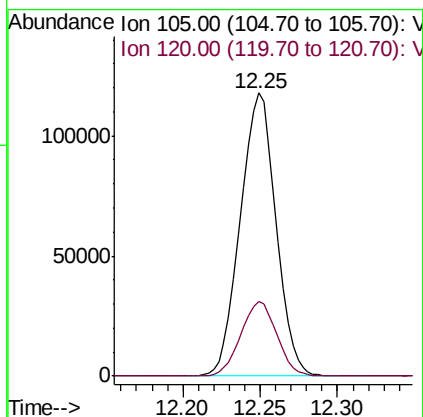
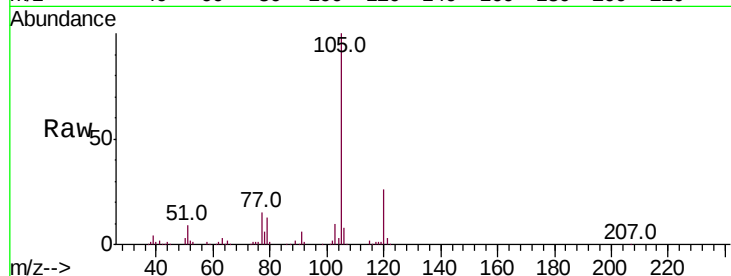
ClientSampleId :

Tot Ion:105 Resp: 189216

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 6.564 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion: 43 Resp: 56682

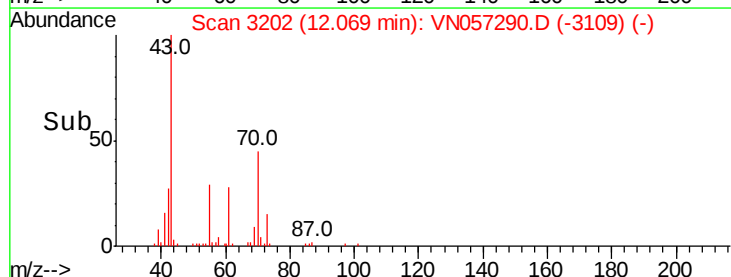
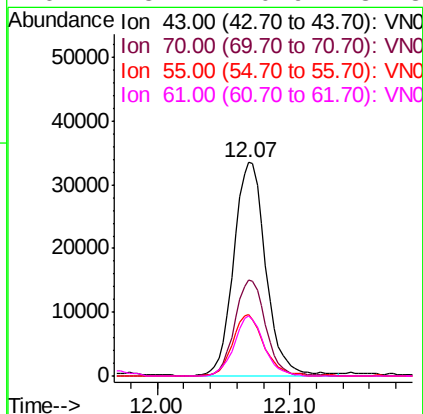
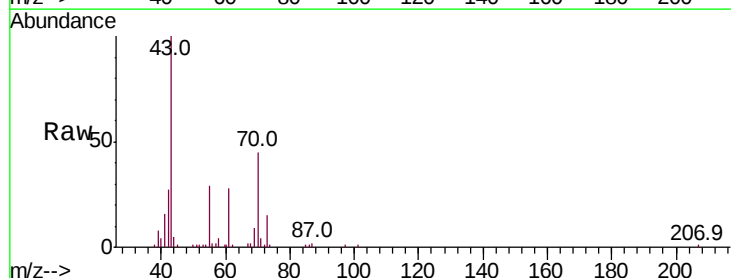
Ion Ratio Lower Upper

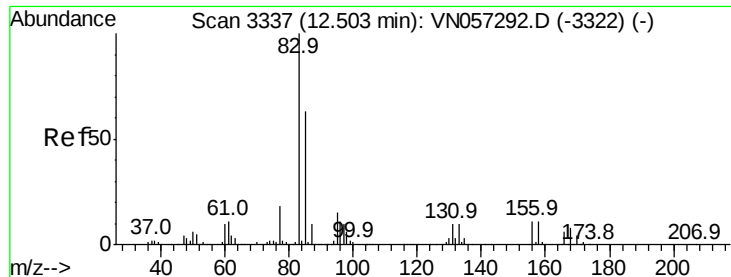
43 100

70 43.1 36.2 54.2

55 27.7 20.1 30.1

61 25.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 6.561 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

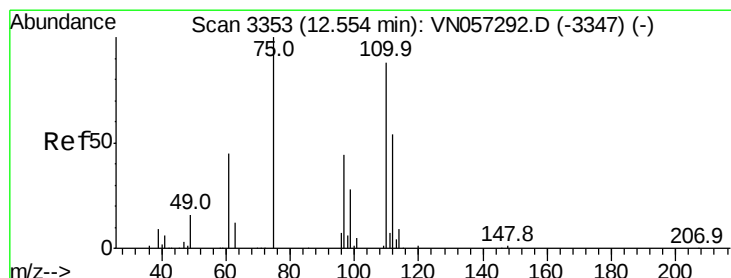
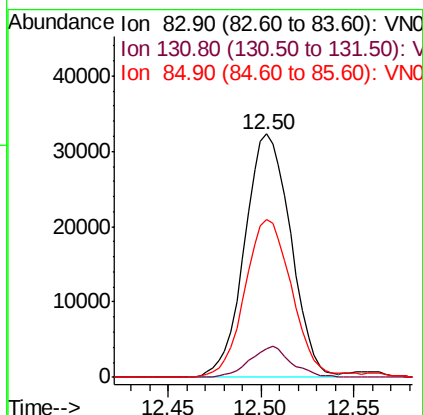
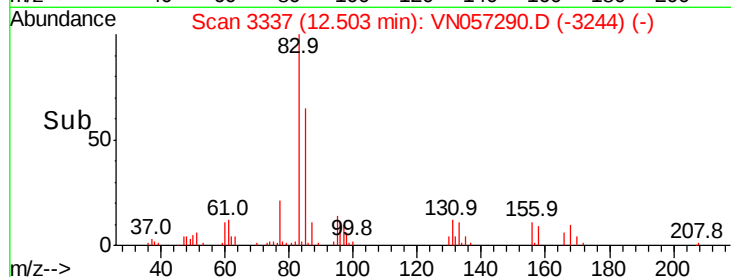
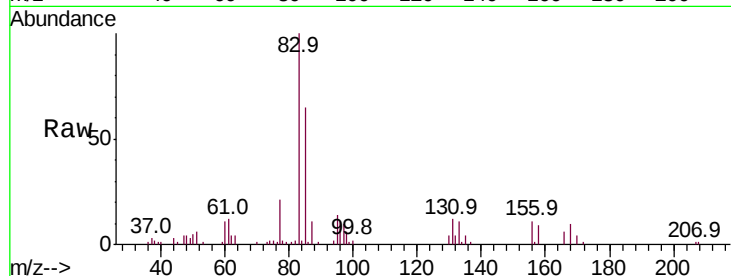
Tot Ion: 83 Resp: 55738

Ion Ratio Lower Upper

83 100

131 11.4 5.4 16.2

85 66.5 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 9.947 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057290.D

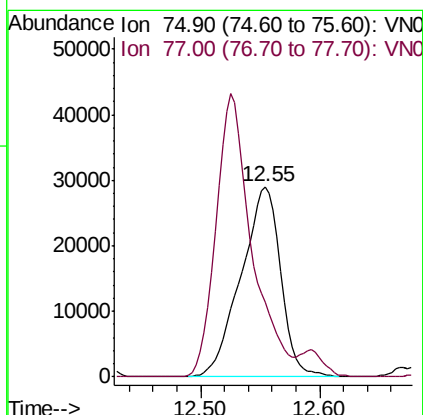
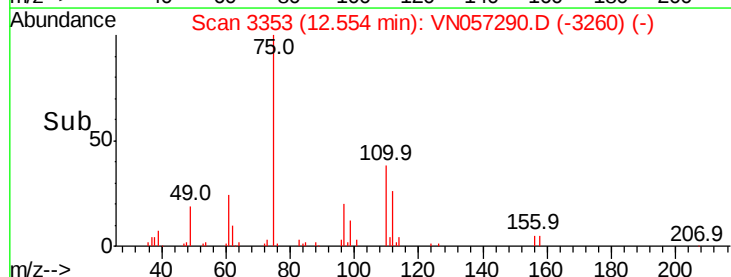
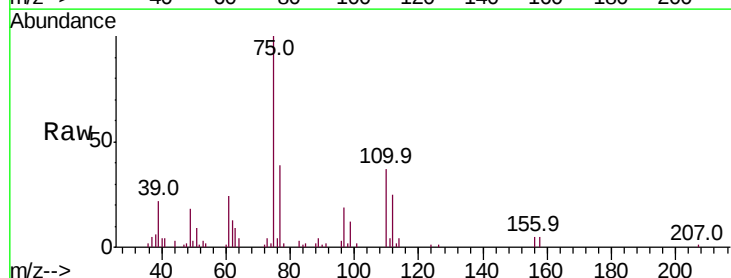
Acq: 14 Aug 2019 16:39

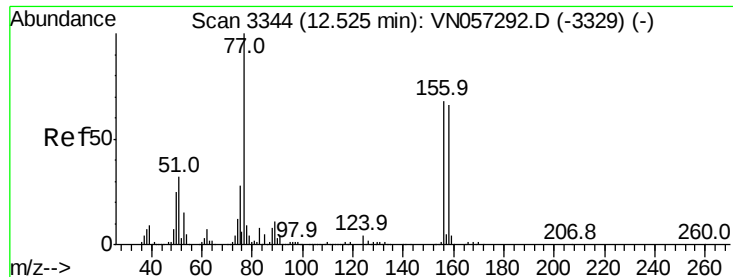
Tgt Ion: 75 Resp: 67144

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 6.090 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

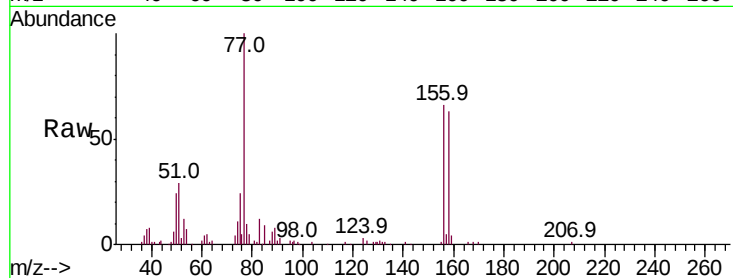
Tot Ion:156 Resp: 49056

Ion Ratio Lower Upper

156 100

77 182.1 89.8 269.6

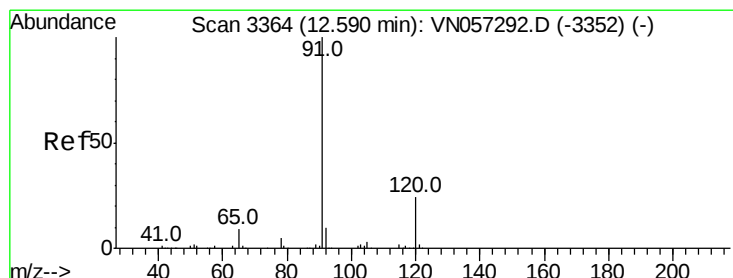
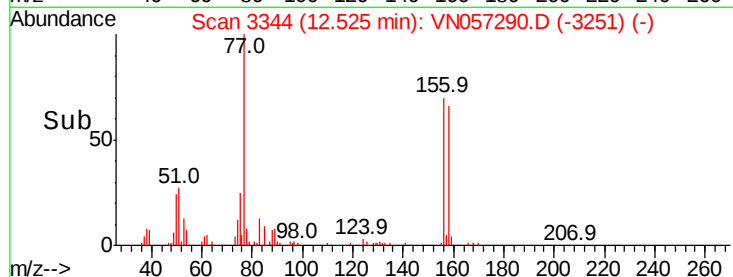
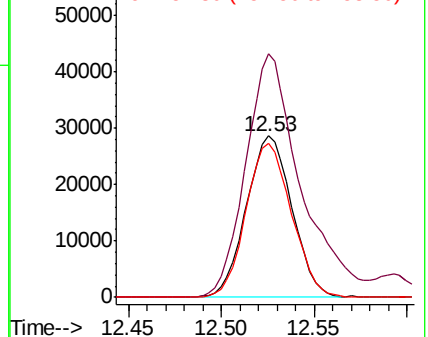
158 95.2 49.3 147.8



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: 5.897 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057290.D

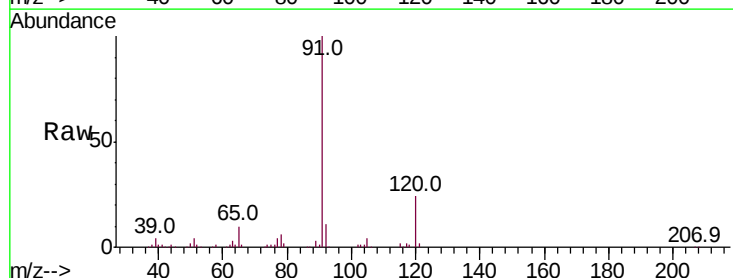
Acq: 14 Aug 2019 16:39

Tgt Ion: 91 Resp: 175703

Ion Ratio Lower Upper

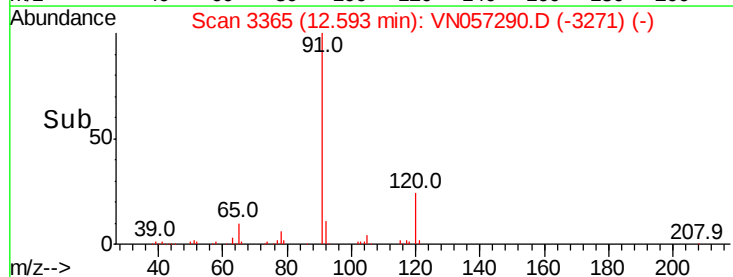
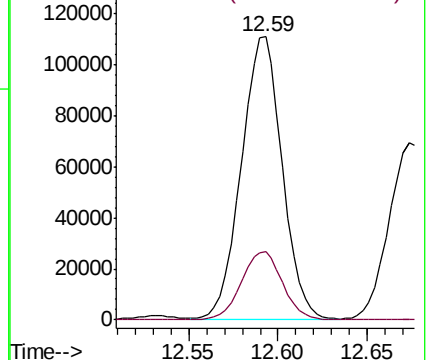
91 100

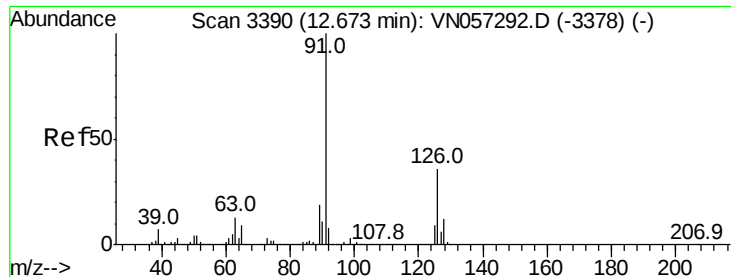
120 24.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.107 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

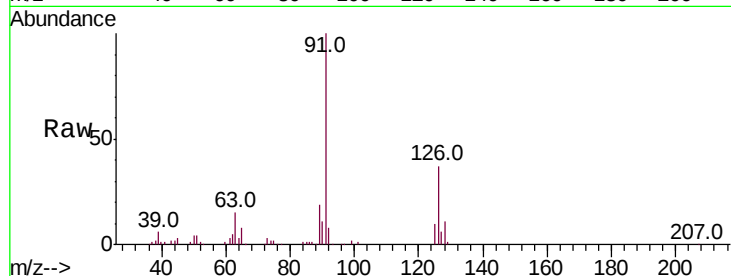
ClientSampled :

Tot Ion: 91 Resp: 116312

Ion Ratio Lower Upper

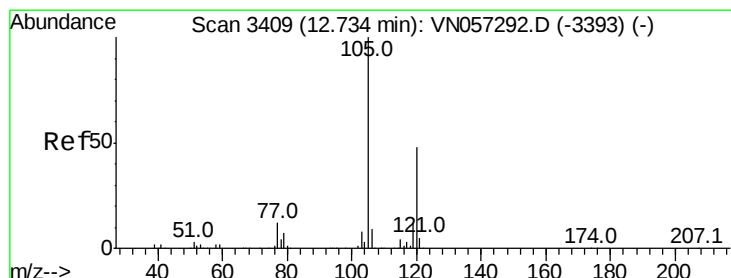
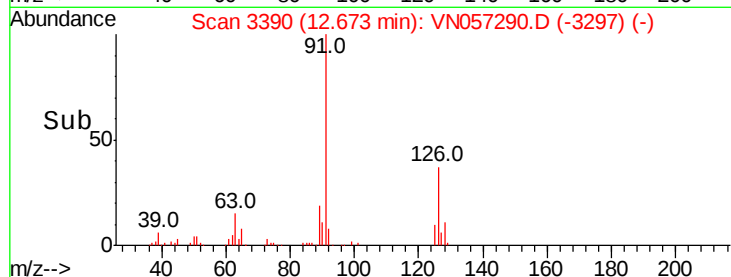
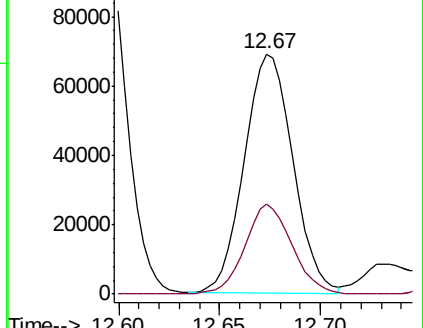
91 100

126 36.2 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.157 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057290.D

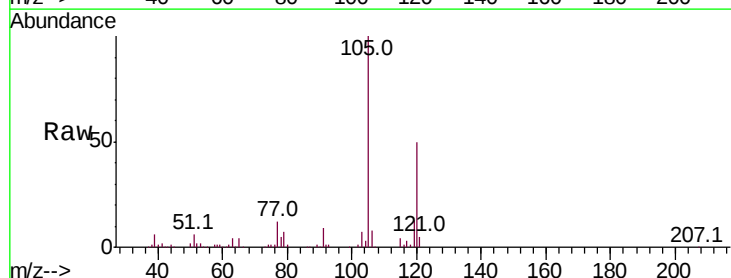
Acq: 14 Aug 2019 16:39

Tgt Ion:105 Resp: 147743

Ion Ratio Lower Upper

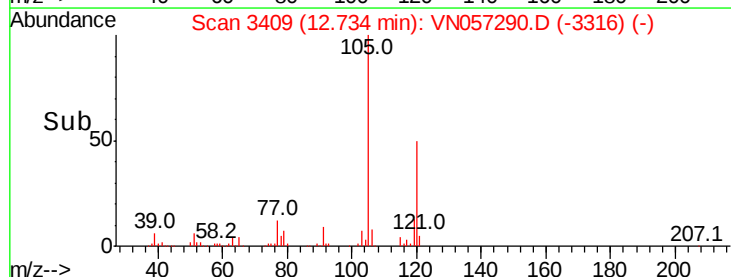
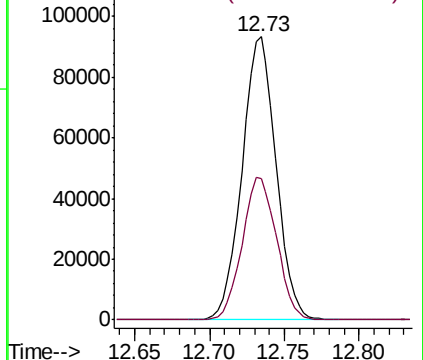
105 100

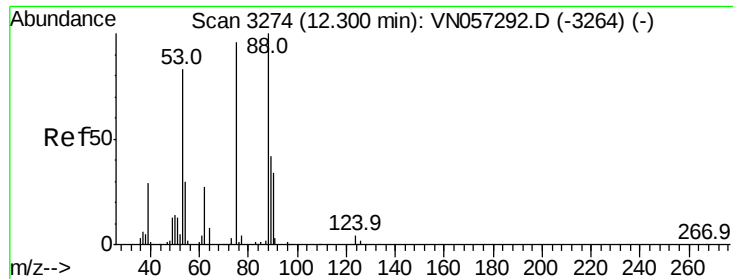
120 50.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 6.132 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

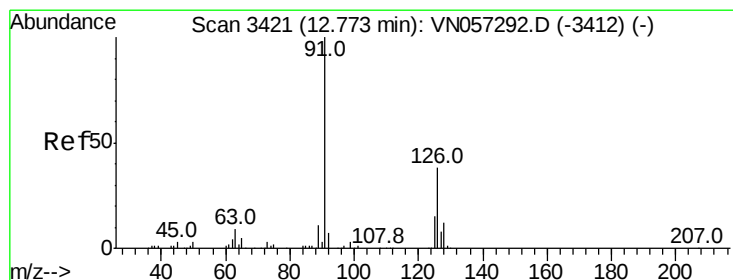
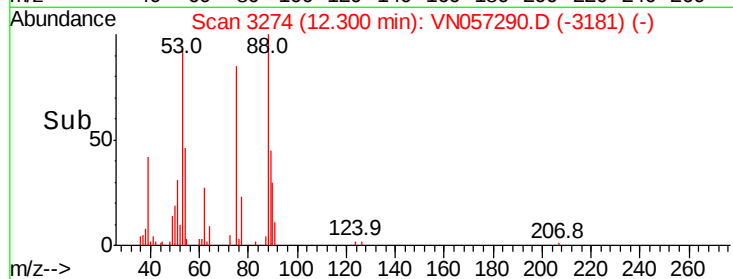
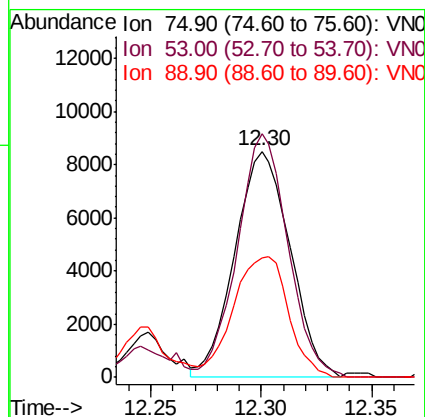
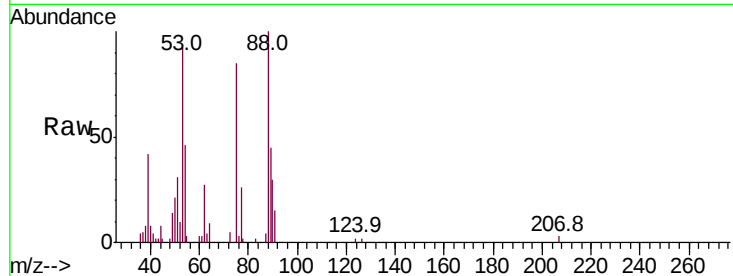
Tot Ion: 75 Resp: 14751

Ion Ratio Lower Upper

75 100

53 98.9 67.9 101.9

89 53.4 36.2 54.4



#82

4-Chlorotoluene

Concen: 5.821 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057290.D

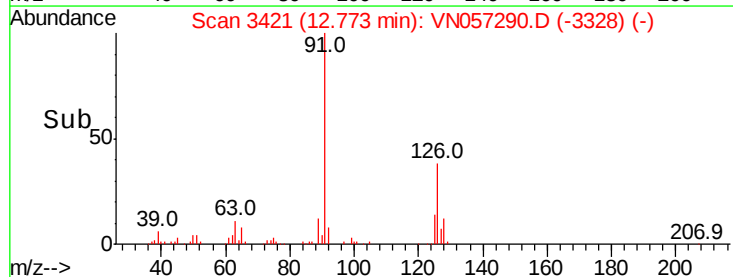
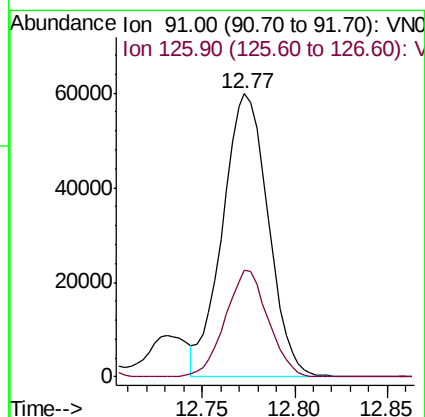
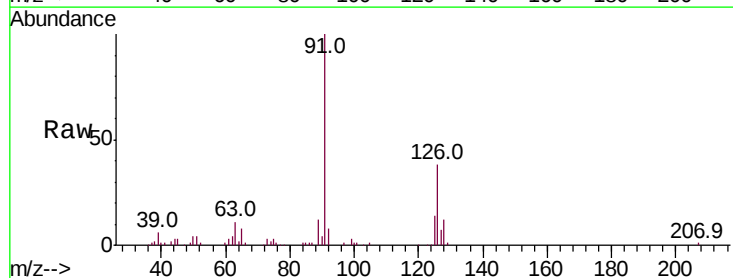
Acq: 14 Aug 2019 16:39

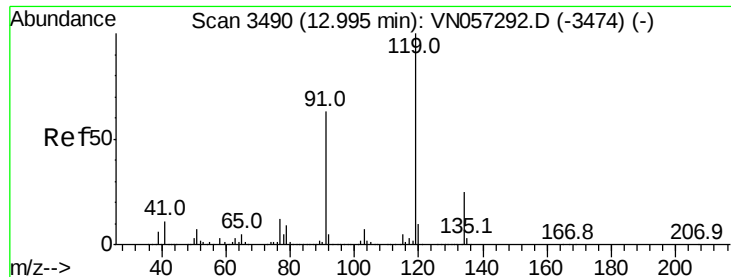
Tgt Ion: 91 Resp: 101486

Ion Ratio Lower Upper

91 100

126 35.6 17.3 51.7

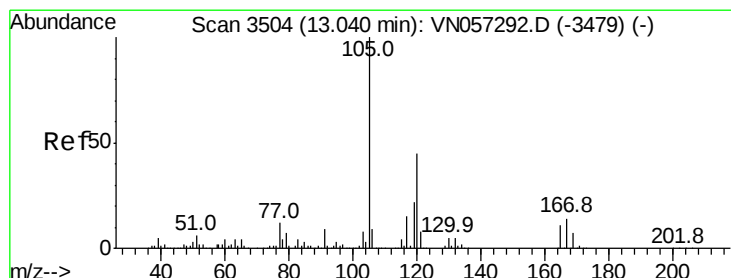
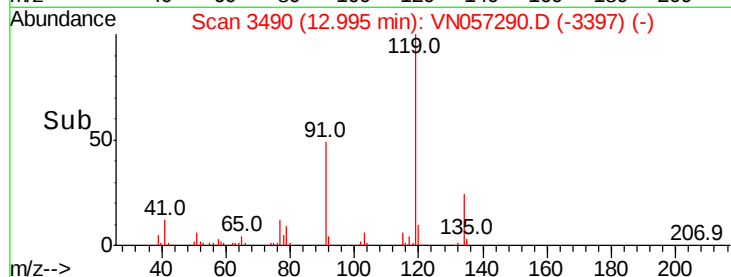
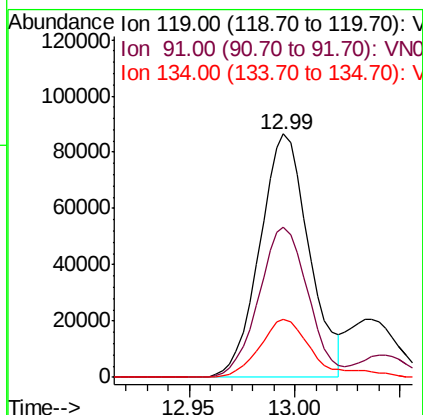
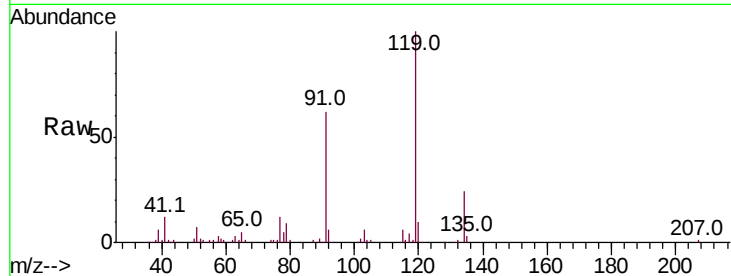




#83
tert-Butylbenzene
Concen: 6.280 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

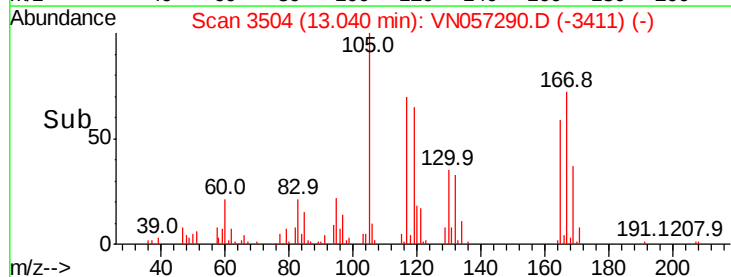
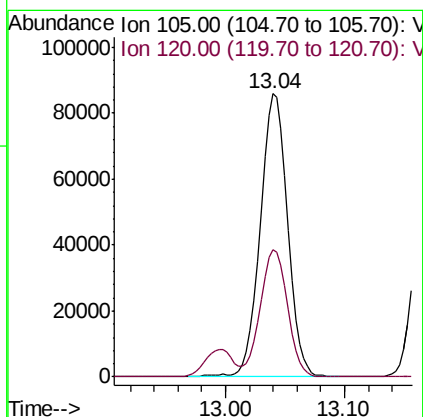
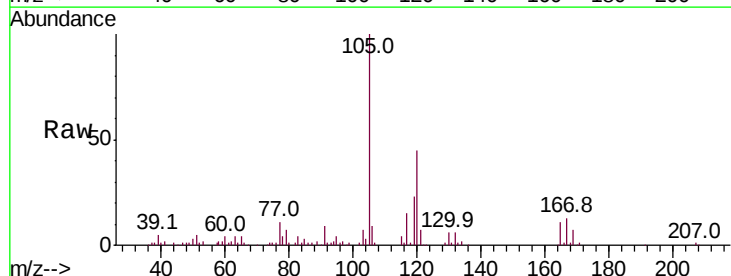
Instrument :
MSVOA_N
ClientSampled :

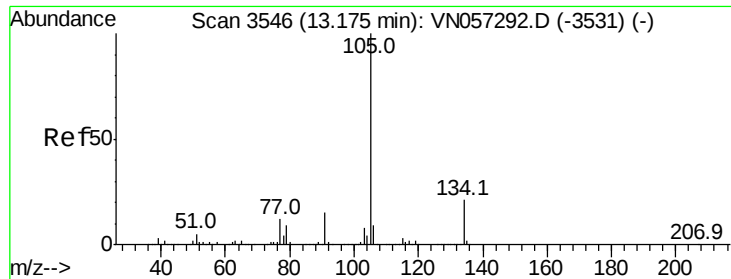
Tot Ion:119 Resp: 140667
Ion Ratio Lower Upper
119 100
91 61.8 31.3 93.8
134 25.8 13.1 39.1



#84
1,2,4-Trimethylbenzene
Concen: 6.089 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion:105 Resp: 136656
Ion Ratio Lower Upper
105 100
120 44.4 22.6 67.7





#85

sec-Butylbenzene

Concen: 6.058 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

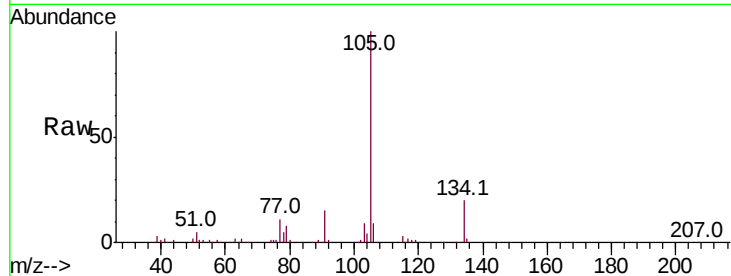
ClientSampled :

Tot Ion:105 Resp: 162546

Ion Ratio Lower Upper

105 100

134 20.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

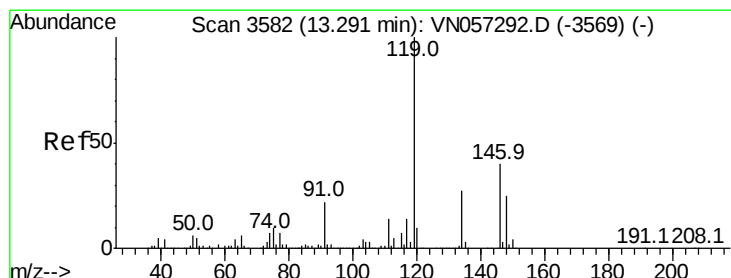
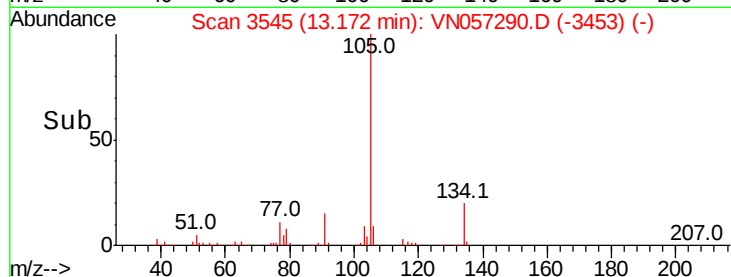
40000

20000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 5.949 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

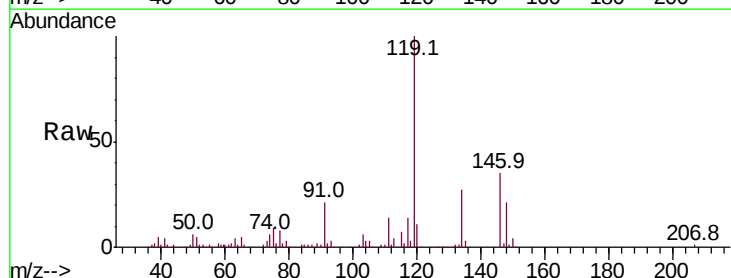
Tgt Ion:119 Resp: 139163

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 22.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

120000

100000

80000

60000

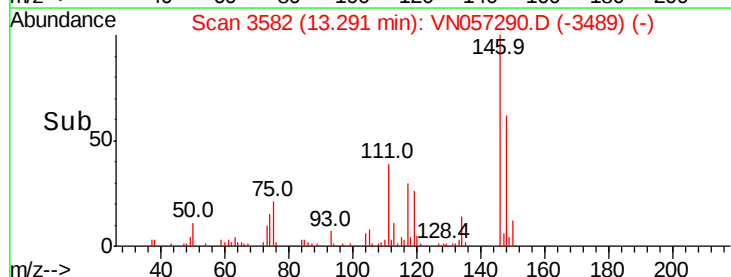
40000

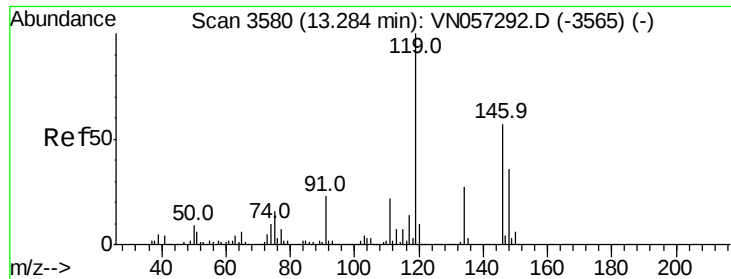
20000

0

13.25 13.30 13.35

Time-->

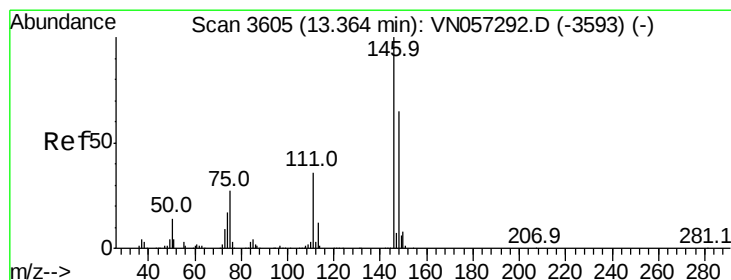
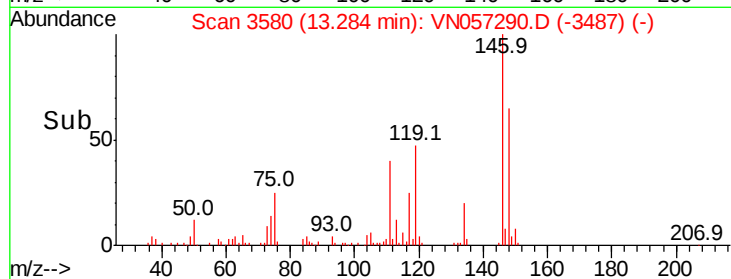
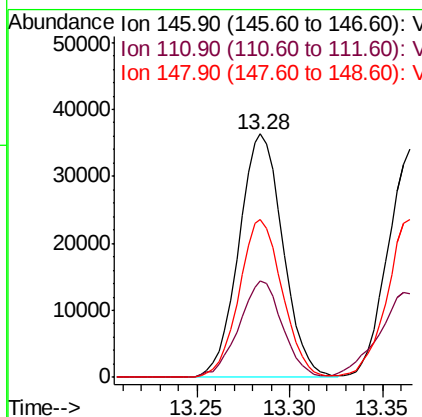
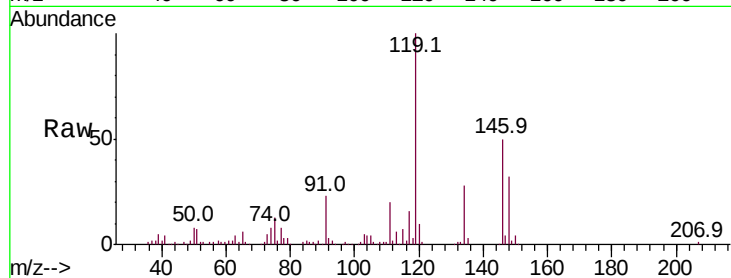




#87
 1,3-Dichlorobenzene
 Concen: 5.431 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

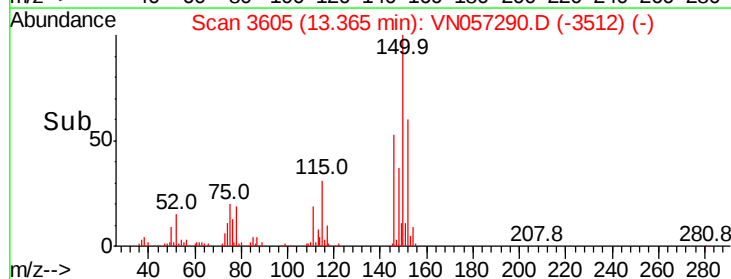
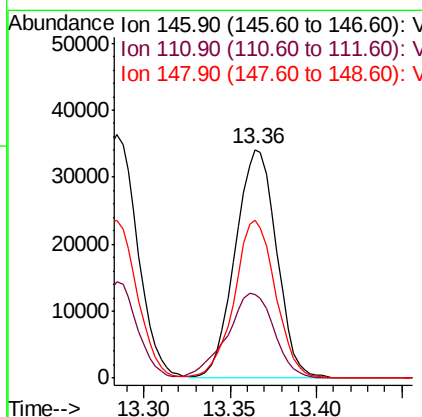
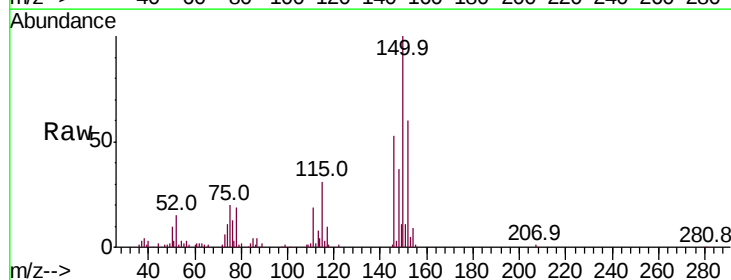
Instrument :
 MSVOA_N
 ClientSampled :

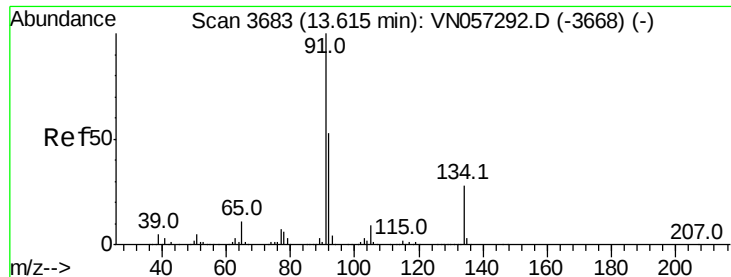
Tot Ion:146 Resp: 59844
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.7 56.1
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 5.349 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion:146 Resp: 57223
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.4 55.4
 148 68.5 32.5 97.4

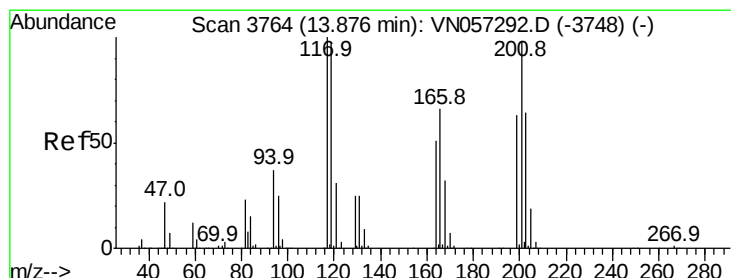
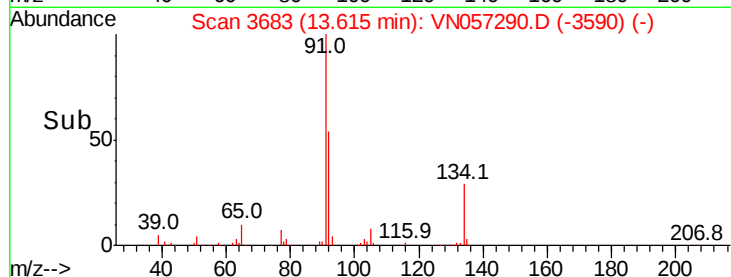
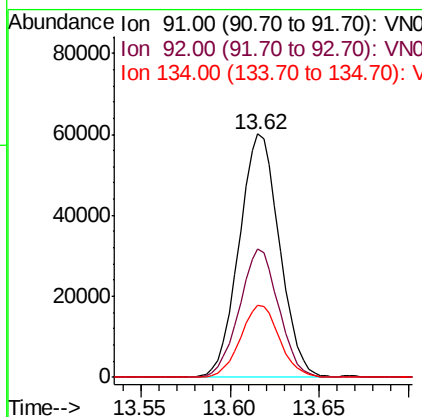
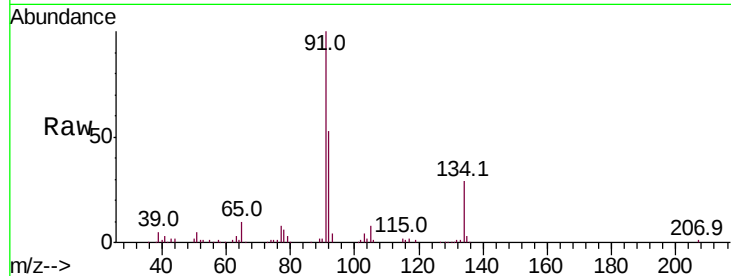




#89
n-Butylbenzene
Concen: 5.790 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

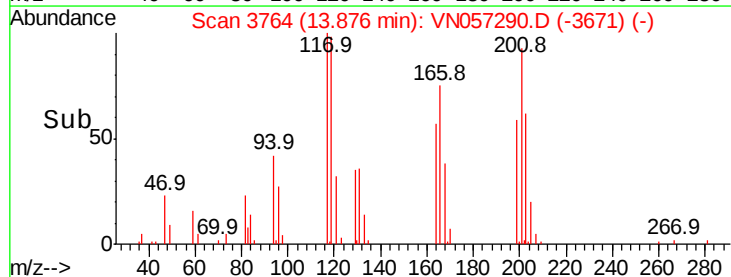
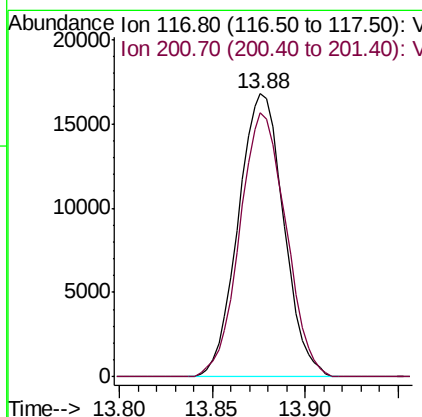
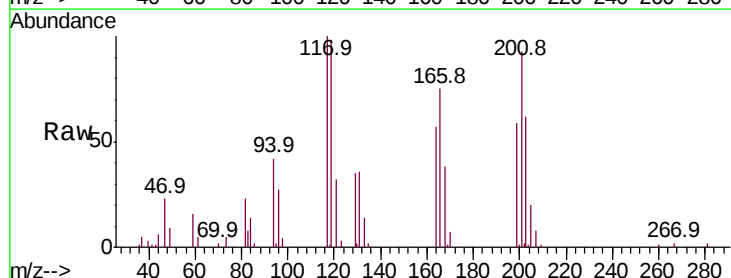
Instrument :
MSVOA_N
ClientSampleId :

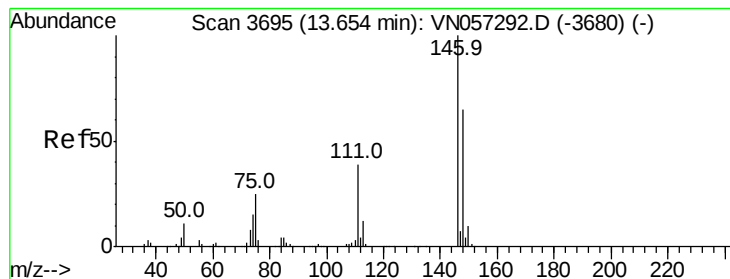
Tot Ion: 91 Resp: 95193
Ion Ratio Lower Upper
91 100
92 51.2 26.2 78.6
134 28.7 13.9 41.7



#90
Hexachloroethane
Concen: 6.233 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 117 Resp: 28492
Ion Ratio Lower Upper
117 100
201 94.9 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 4.956 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

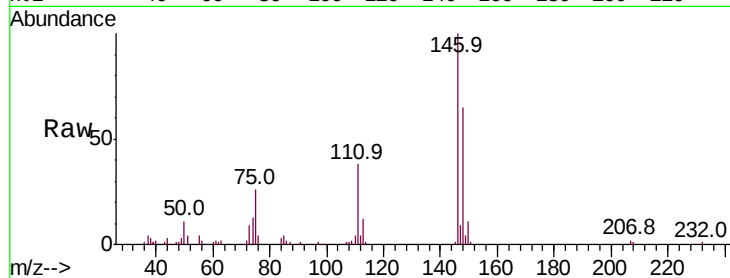
Tot Ion:146 Resp: 53114

Ion Ratio Lower Upper

146 100

111 39.7 19.7 59.1

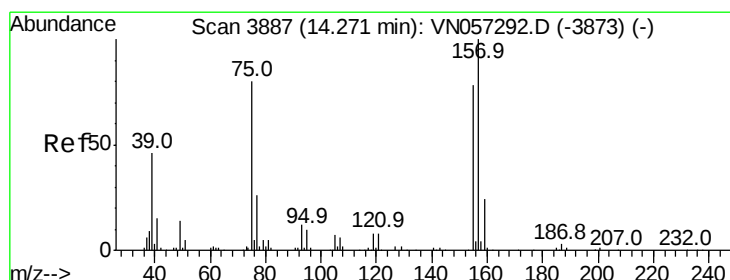
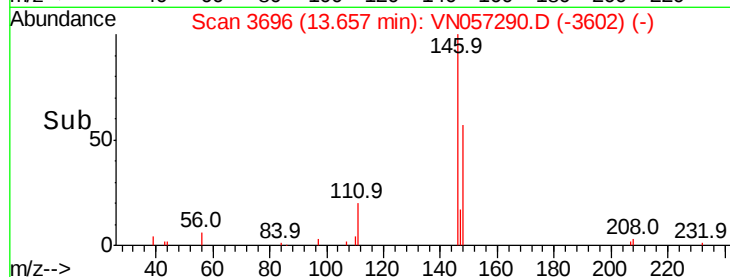
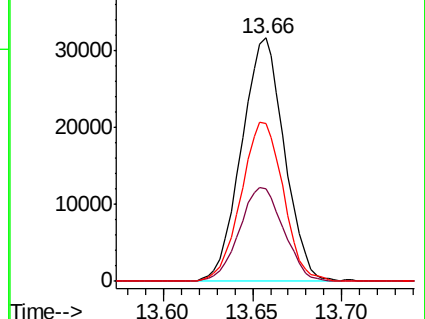
148 64.4 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.119 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

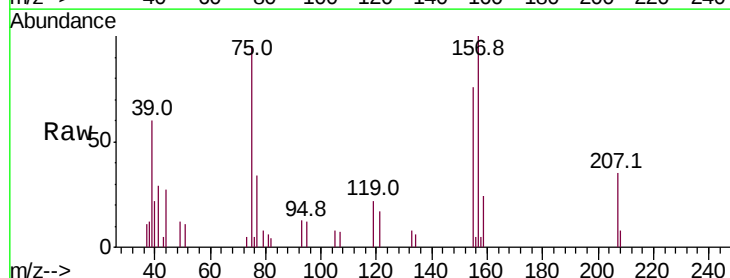
Tgt Ion: 75 Resp: 5467

Ion Ratio Lower Upper

75 100

155 81.7 49.6 148.8

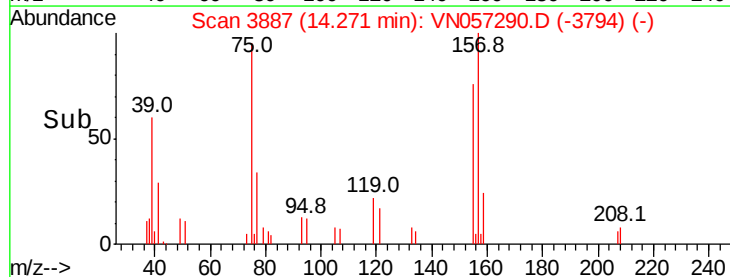
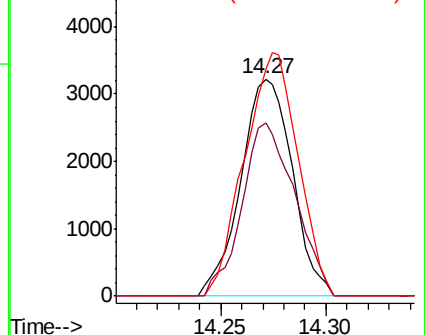
157 116.2 63.7 191.1

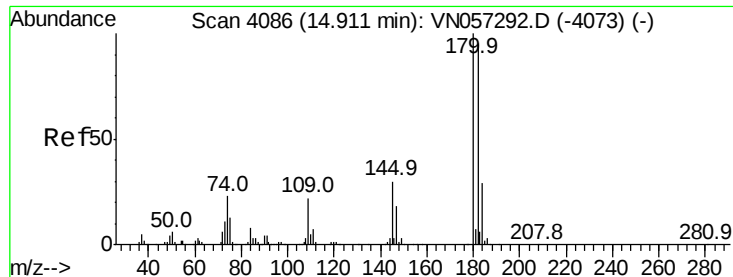


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

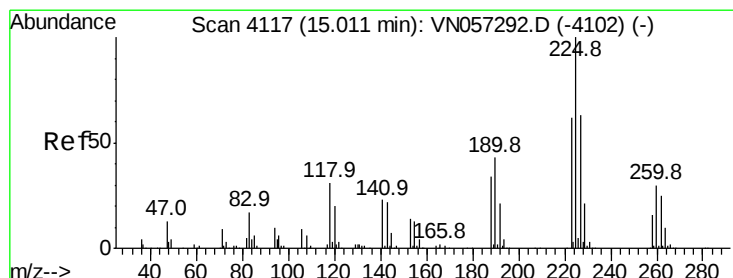
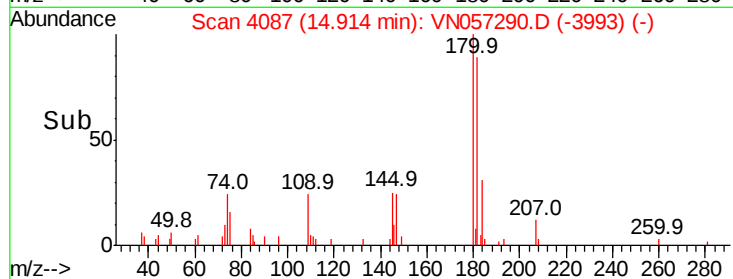
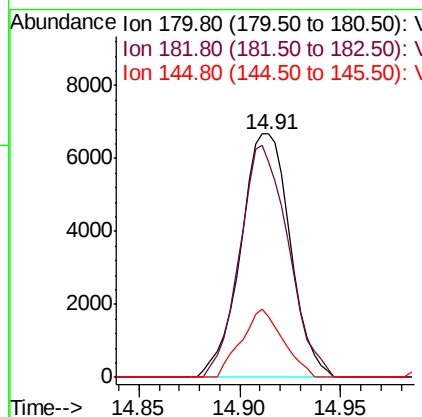
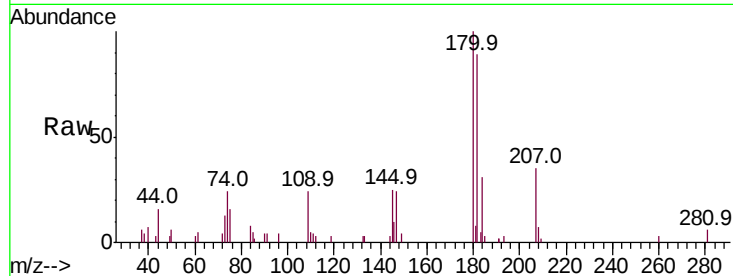




#93
 1,2,4-Trichlorobenzene
 Concen: 2.974 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

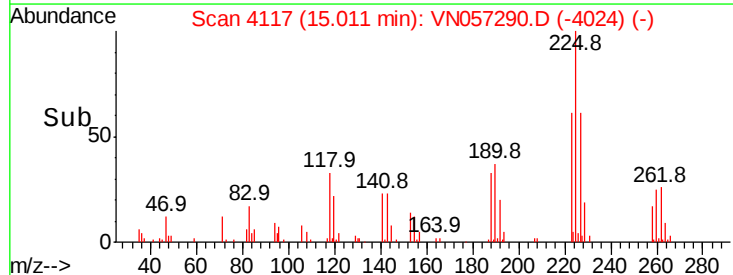
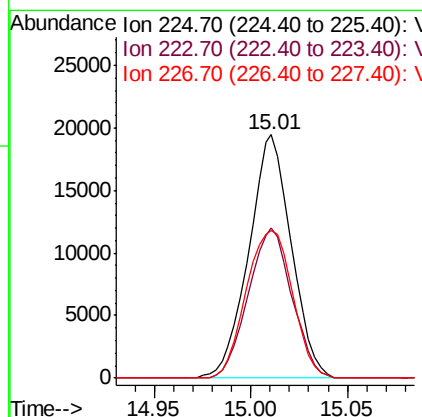
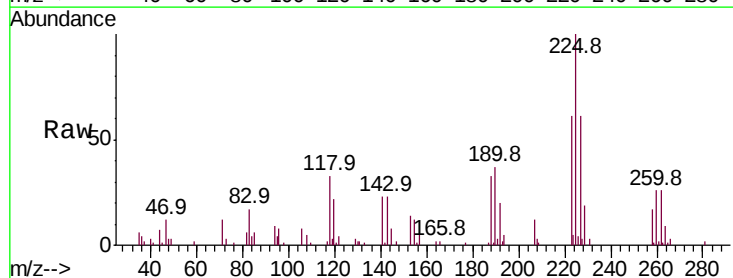
Instrument :
 MSVOA_N
 ClientSampleId :

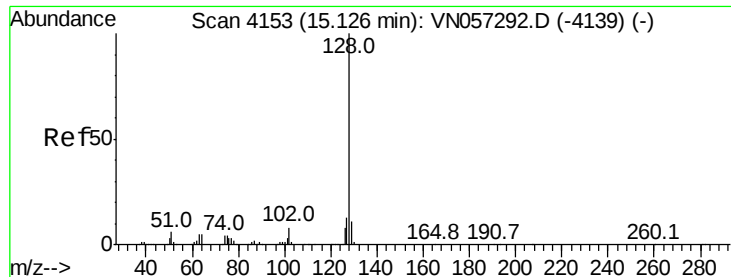
Tot Ion:180 Resp: 11439
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.0 144.2
 145 23.7 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 5.770 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion:225 Resp: 29750
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.7 92.1
 227 66.1 30.9 92.7





#95

Naphthalene

Concen: 3.442 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

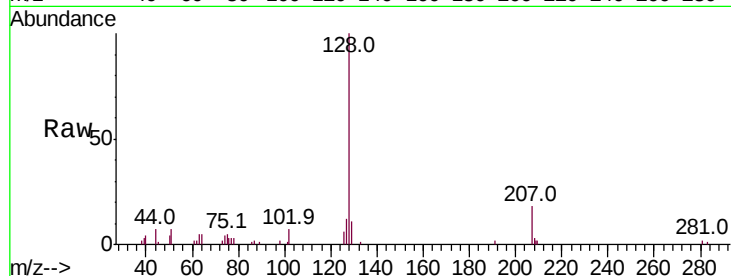
Tot Ion:128 Resp: 26001

Ion Ratio Lower Upper

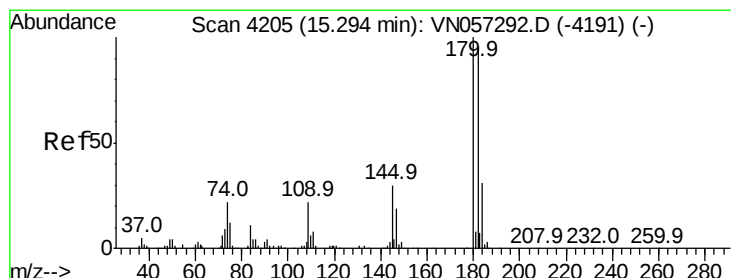
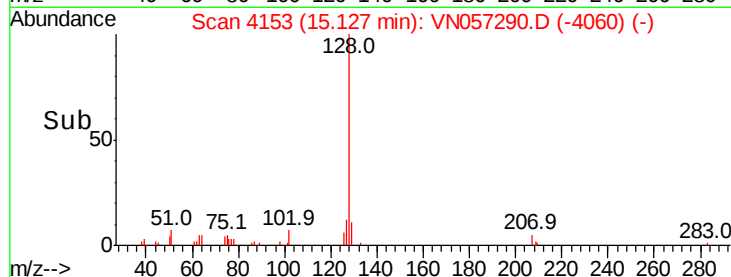
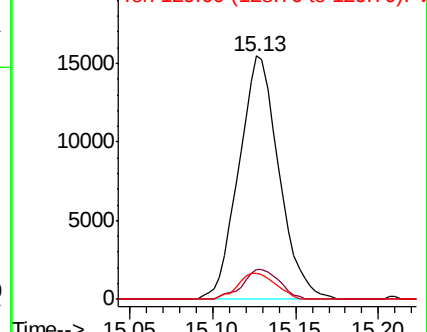
128 100

127 11.5 10.5 15.7

129 10.2 8.8 13.2



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: 2.797 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

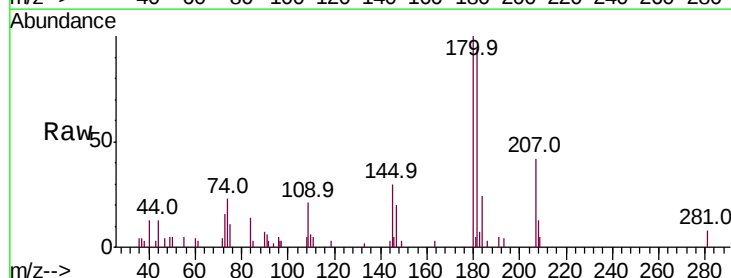
Tgt Ion:180 Resp: 10903

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.6

145 28.0 15.1 45.3



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

