

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057293.D
 Acq On : 14 Aug 2019 17:51
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 19:38:16 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	884666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1293160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1205822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	571561	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	923725	103.62	ug/l	0.00
Spiked Amount			Recovery	=	207.24%	
35) Dibromofluoromethane	7.58	113	818248	99.98	ug/l	0.00
Spiked Amount			Recovery	=	199.96%	
50) Toluene-d8	10.09	98	3088836	103.50	ug/l	0.00
Spiked Amount			Recovery	=	207.00%	
62) 4-Bromofluorobenzene	12.40	95	1146150	111.38	ug/l	0.00
Spiked Amount			Recovery	=	222.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	713476	96.241	ug/l	97
3) Chloromethane	2.05	50	810041	96.291	ug/l	99
4) Vinyl Chloride	2.18	62	798322	97.930	ug/l	99
5) Bromomethane	2.52	94	564196	98.232	ug/l	100
6) Chloroethane	2.68	64	515025	97.479	ug/l	99
7) Trichlorofluoromethane	3.01	101	1251965	97.210	ug/l	99
8) Diethyl Ether	3.40	74	477130	101.599	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	733607	94.942	ug/l	98
10) Methyl Iodide	3.95	142	1249232	104.267	ug/l	100
11) Tert butyl alcohol	4.76	59	703588	574.642	ug/l	99
12) 1,1-Dichloroethene	3.73	96	743476	96.738	ug/l	98
13) Acrolein	3.60	56	388906	461.514	ug/l	98
14) Allyl chloride	4.31	41	1204874	102.812	ug/l	99
15) Acrylonitrile	4.97	53	1898582	556.029	ug/l	99
16) Acetone	3.80	43	1536538	501.840	ug/l	100
17) Carbon Disulfide	4.05	76	2031574	97.154	ug/l	99
18) Methyl Acetate	4.31	43	868106	82.600	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	2376763	102.946	ug/l	99
20) Methylene Chloride	4.54	84	856875	95.753	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	793575	97.053	ug/l	98
22) Diisopropyl ether	5.94	45	2338098	101.132	ug/l	98
23) Vinyl Acetate	5.88	43	9842241	536.655	ug/l	99
24) 1,1-Dichloroethane	5.83	63	1430227	98.736	ug/l	100
25) 2-Butanone	6.82	43	2390319	543.828	ug/l	96
26) 2,2-Dichloropropane	6.81	77	1189454	100.629	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	938605	99.342	ug/l	99
28) Bromochloromethane	7.18	49	639697	99.157	ug/l #	100
29) Tetrahydrofuran	7.20	42	1525308	543.697	ug/l	100
30) Chloroform	7.36	83	1478905	97.558	ug/l	98
31) Cyclohexane	7.65	56	1202369	95.487	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	1301169	101.510	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1103622	98.326	ug/l	99
37) Ethyl Acetate	6.91	43	969210	105.474	ug/l	100
38) Carbon Tetrachloride	7.77	117	1168817	97.909	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1292691	97.426	ug/l	98
40) Benzene	8.03	78	3360029	97.944	ug/l	98
41) Methacrylonitrile	7.19	41	1370559	357.046	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1106522	100.410	ug/l	100
43) Isopropyl Acetate	8.16	43	1683109	110.210	ug/l	98
44) Trichloroethene	8.83	130	945342	95.626	ug/l	99
45) 1,2-Dichloropropane	9.11	63	868099	99.720	ug/l	99
46) Dibromomethane	9.20	93	574241	98.091	ug/l	99
47) Bromodichloromethane	9.40	83	1167423	103.224	ug/l	99
48) Methyl methacrylate	9.19	41	787823	112.489	ug/l	99
49) 1,4-Dioxane	9.19	88	335220	2131.048	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	4941142	555.557	ug/l	100
52) Toluene	10.15	92	2126249	99.897	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1319641	109.109	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1425057	104.583	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	840447	100.604	ug/l	99
56) Ethyl methacrylate	10.43	69	1314562	111.483	ug/l	100
57) 1,3-Dichloropropane	10.70	76	1374146	99.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1873526	631.793	ug/l	100
59) 2-Hexanone	10.75	43	3667114	580.147	ug/l	99
60) Dibromochloromethane	10.90	129	981240	104.701	ug/l	99
61) 1,2-Dibromoethane	11.00	107	903005	104.028	ug/l	99
64) Tetrachloroethene	10.63	164	911561	85.992	ug/l	99
65) Chlorobenzene	11.43	112	2380730	96.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	900606	94.967	ug/l	98
67) Ethyl Benzene	11.51	91	4219162	100.410	ug/l	100
68) m/p-Xylenes	11.62	106	3210292	204.524	ug/l	99
69) o-Xylene	11.95	106	1567339	101.852	ug/l	99
70) Styrene	11.96	104	2673224	112.372	ug/l	100
71) Bromoform	12.13	173	792213	108.669	ug/l #	99
73) Isopropylbenzene	12.25	105	4173649	78.737	ug/l	99
74) N-amyl acetate	12.07	43	1430767	92.502	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	1196213	78.618	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1555520	128.658	ug/l #	100
77) Bromobenzene	12.53	156	1145135	79.365	ug/l	100
78) n-propylbenzene	12.59	91	4633130	86.807	ug/l	100
79) 2-Chlorotoluene	12.67	91	2813114	82.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3596450	83.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	419671	97.394	ug/l	99
82) 4-Chlorotoluene	12.77	91	2810000	89.981	ug/l	99
83) tert-Butylbenzene	12.99	119	3141896	78.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3468952	86.296	ug/l	100
85) sec-Butylbenzene	13.17	105	4060975	84.498	ug/l	100
86) p-Isopropyltoluene	13.29	119	3677866	87.777	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1862204	94.344	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1805607	94.228	ug/l	98
89) n-Butylbenzene	13.62	91	2785973	94.610	ug/l	99
90) Hexachloroethane	13.88	117	669771	81.799	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1780093	92.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	190347	99.499	ug/l	99

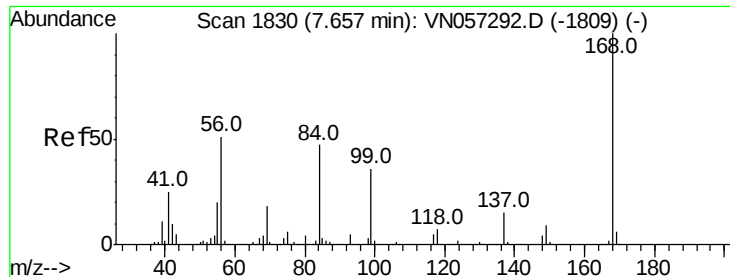
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	750011	108.869	ug/l	100
94) Hexachlorobutadiene	15.01	225	711572	77.045	ug/l	98
95) Naphthalene	15.13	128	1530198	113.088	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	625784	89.630	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

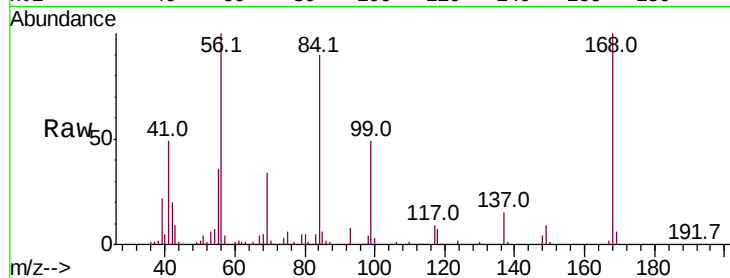
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 884666

Ion Ratio Lower Upper

168 100

99 48.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

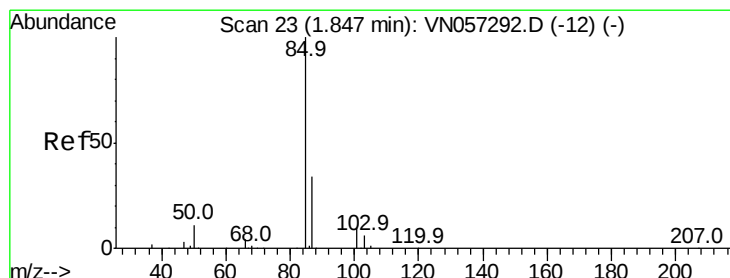
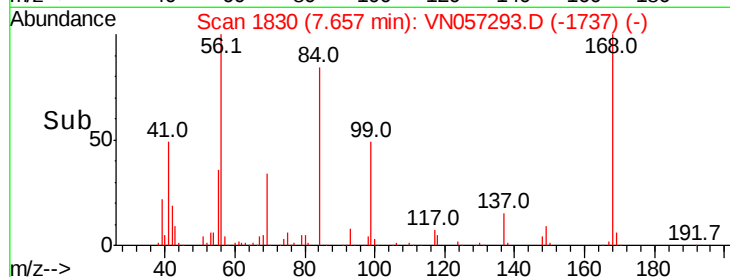
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 96.241 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057293.D

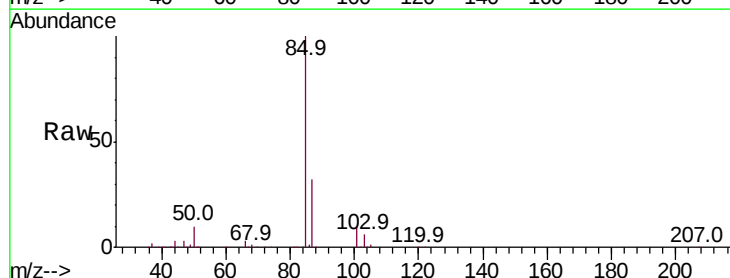
Acq: 14 Aug 2019 17:51

Tgt Ion: 85 Resp: 713476

Ion Ratio Lower Upper

85 100

87 32.2 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

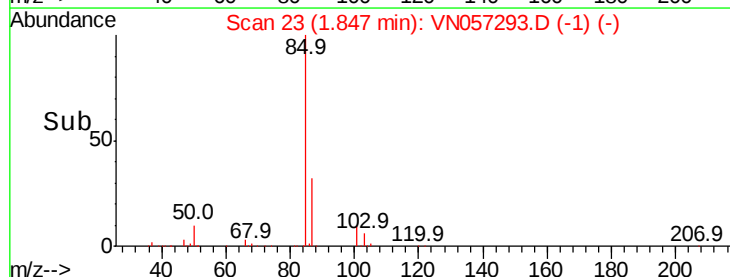
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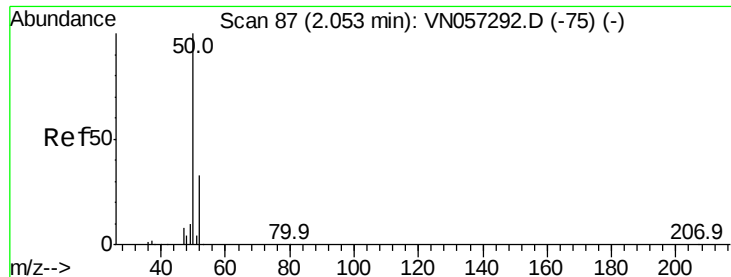
200000

100000

0

Time-->





#3

Chloromethane

Concen: 96.291 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

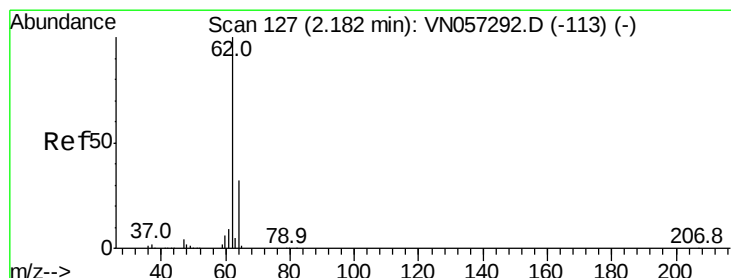
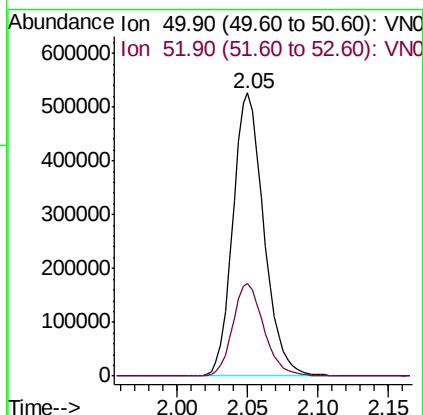
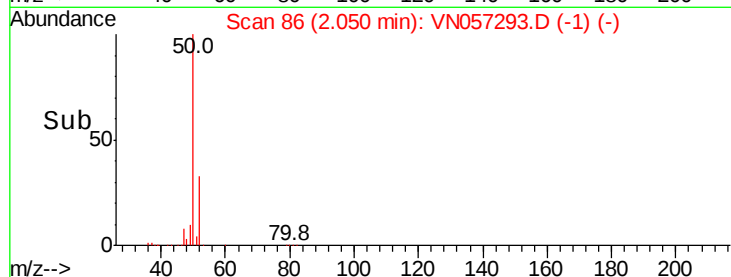
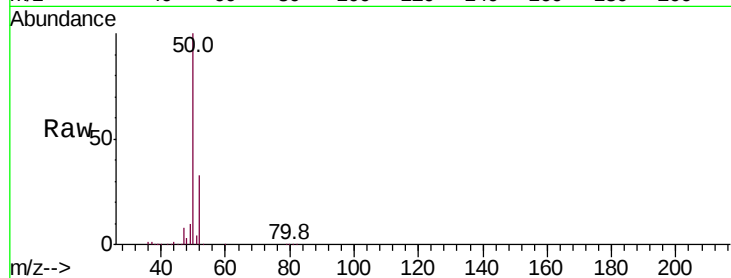
ClientSampleId :

Tot Ion: 50 Resp: 810041

Ion Ratio Lower Upper

50 100

52 32.8 26.8 40.2



#4

Vinyl Chloride

Concen: 97.930 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057293.D

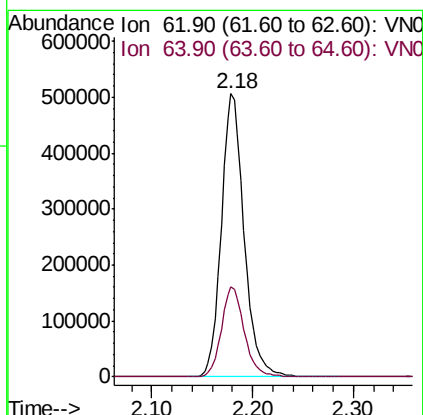
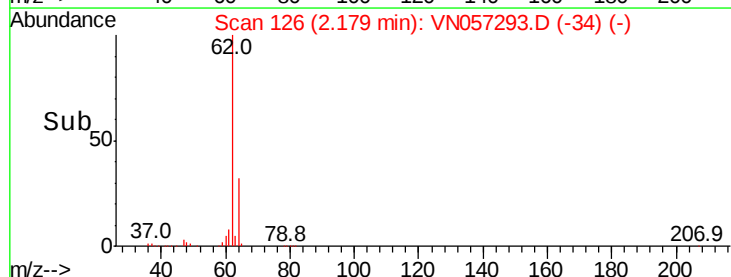
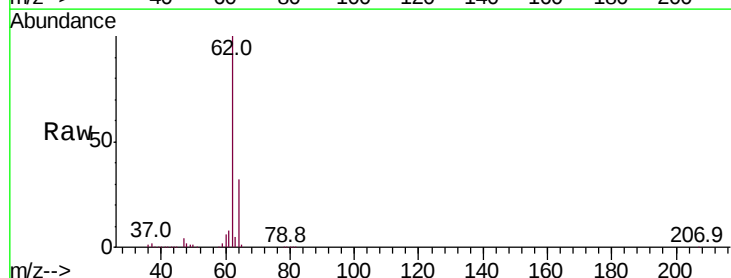
Acq: 14 Aug 2019 17:51

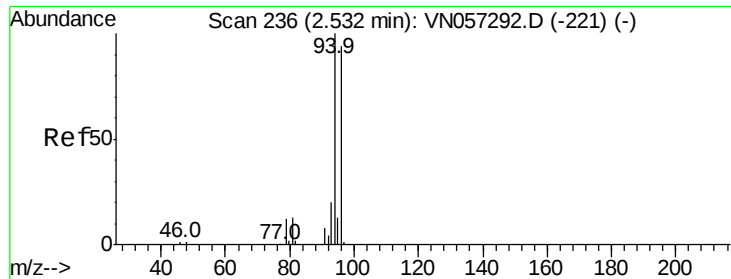
Tgt Ion: 62 Resp: 798322

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 98.232 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

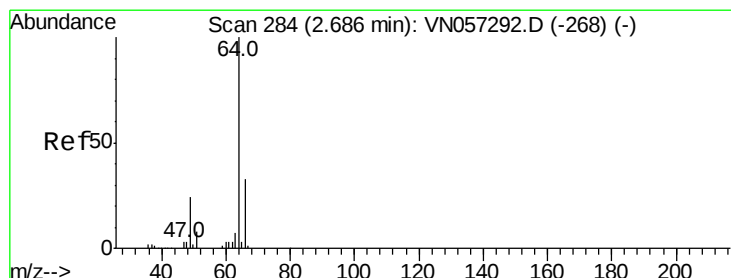
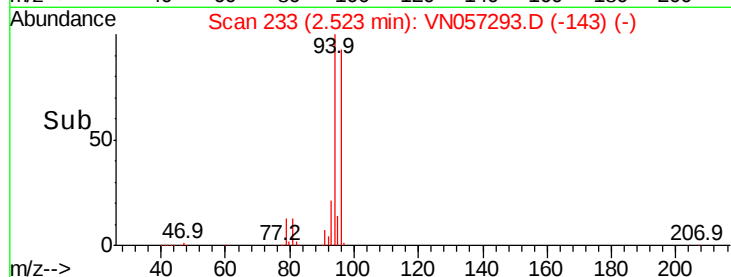
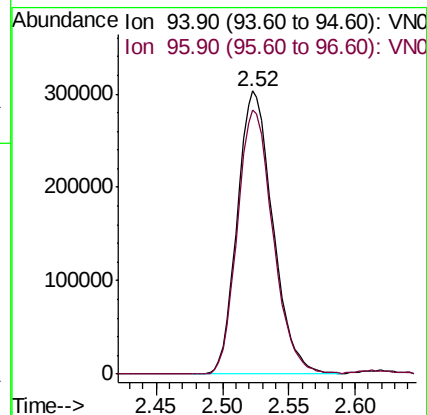
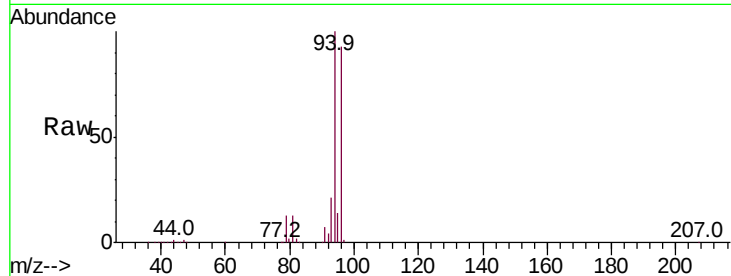
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 564196

Ion Ratio Lower Upper

94 100

96 93.4 75.0 112.6



#6

Chloroethane

Concen: 97.479 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN057293.D

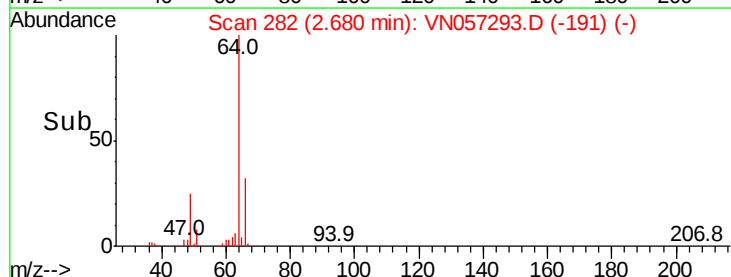
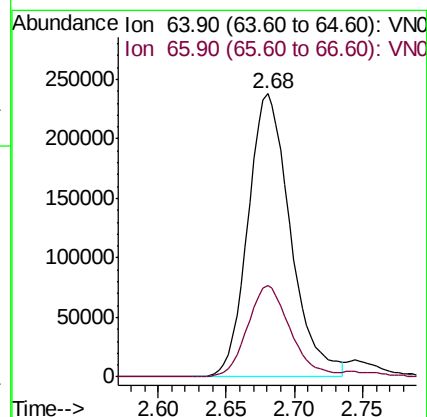
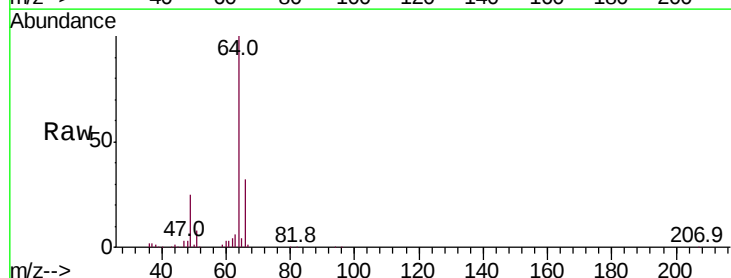
Acq: 14 Aug 2019 17:51

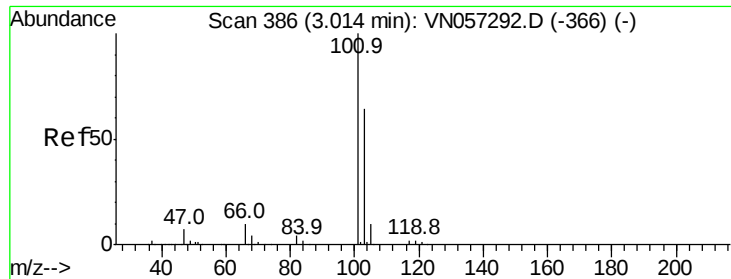
Tgt Ion: 64 Resp: 515025

Ion Ratio Lower Upper

64 100

66 32.3 26.4 39.6



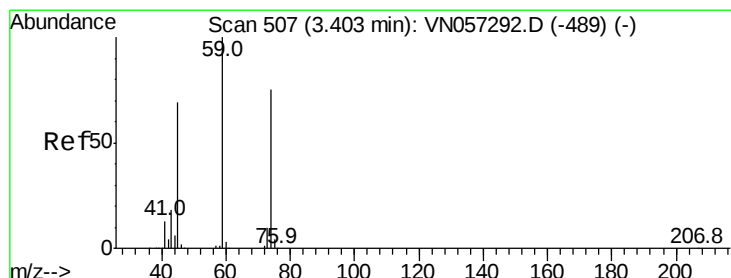
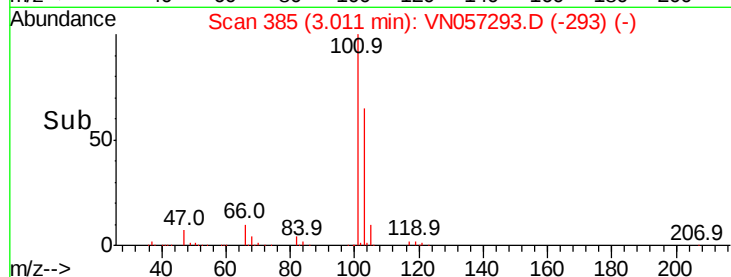
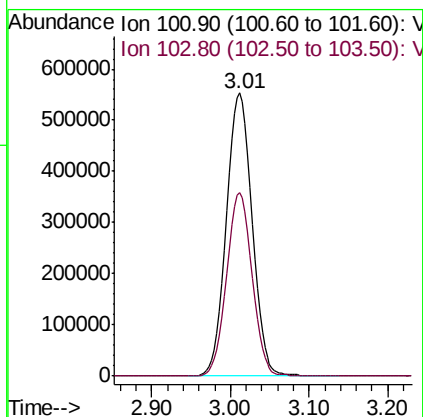
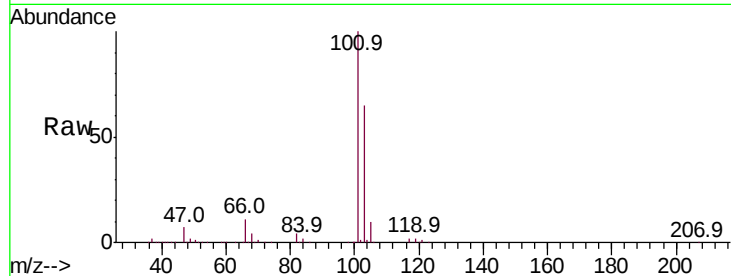


#7

Trichlorofluoromethane
Concen: 97.210 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampled :

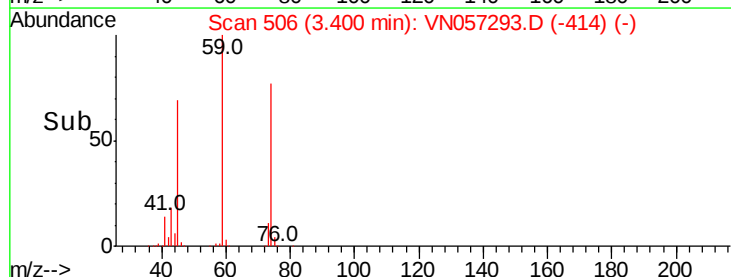
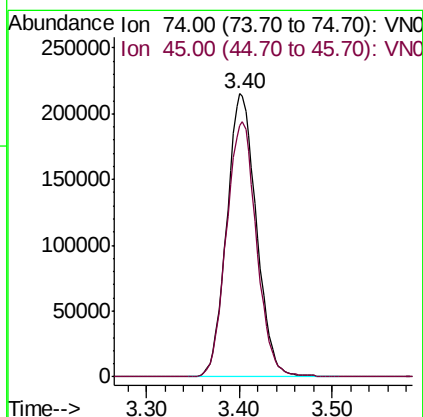
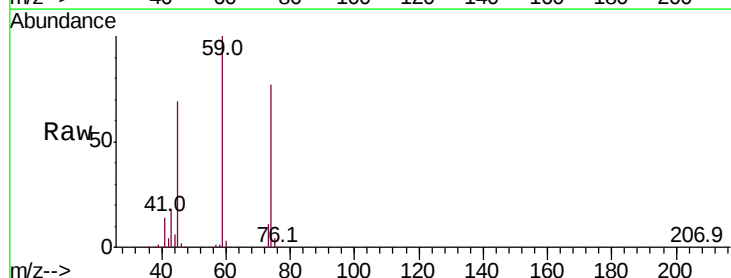
Tot Ion:101 Resp: 1251965
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3

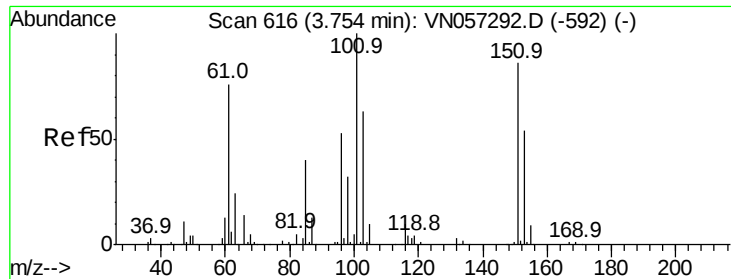


#8

Diethyl Ether
Concen: 101.599 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 74 Resp: 477130
Ion Ratio Lower Upper
74 100
45 91.2 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.942 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

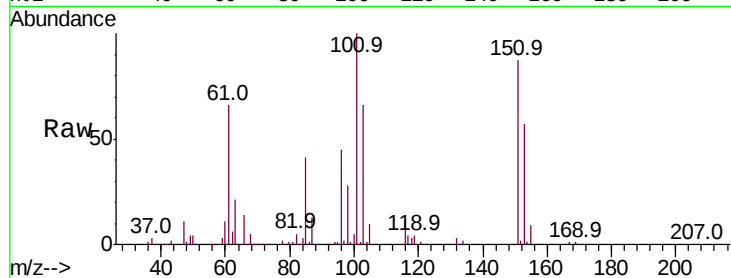
Tot Ion:101 Resp: 733607

Ion Ratio Lower Upper

101 100

85 41.5 32.7 49.1

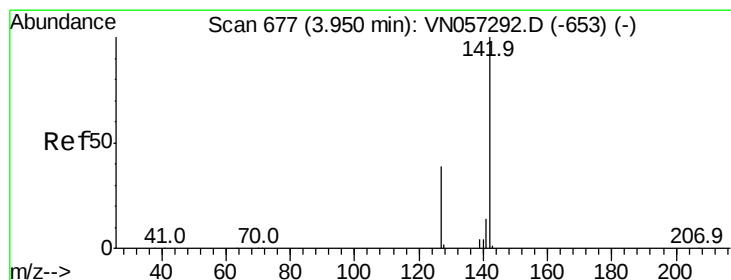
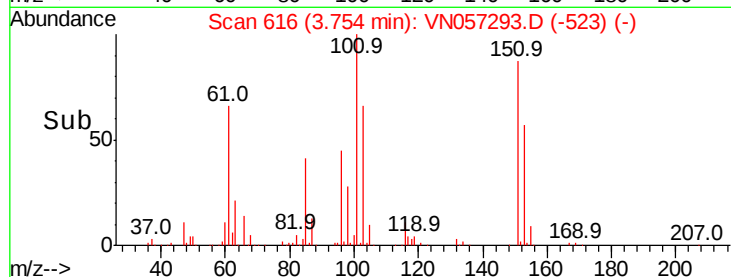
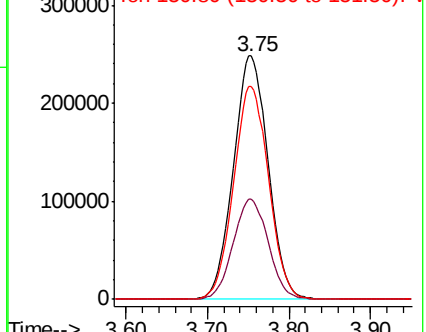
151 88.3 69.1 103.7



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: 104.267 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

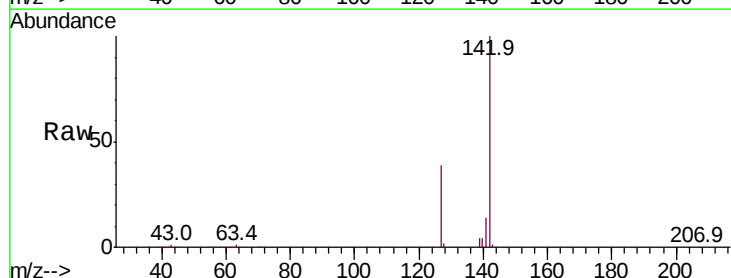
Tgt Ion:142 Resp: 1249232

Ion Ratio Lower Upper

142 100

127 39.3 31.6 47.4

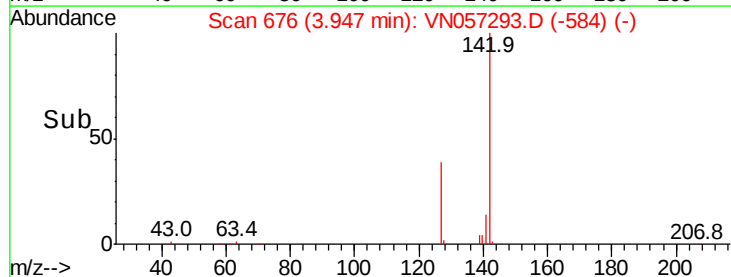
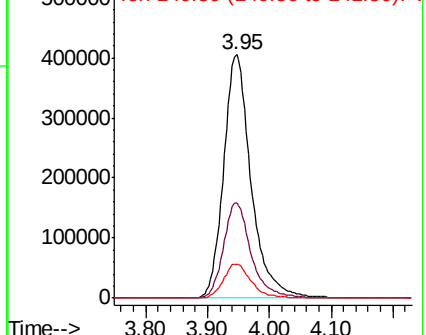
141 14.2 11.2 16.8

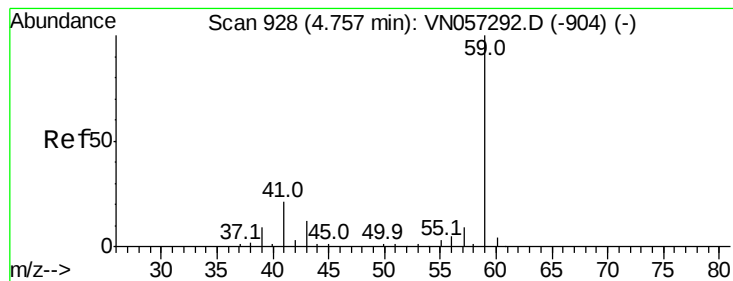


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



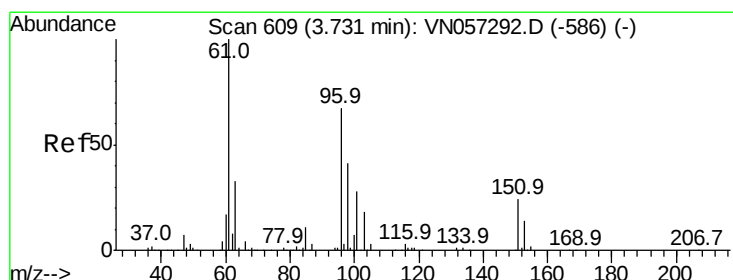
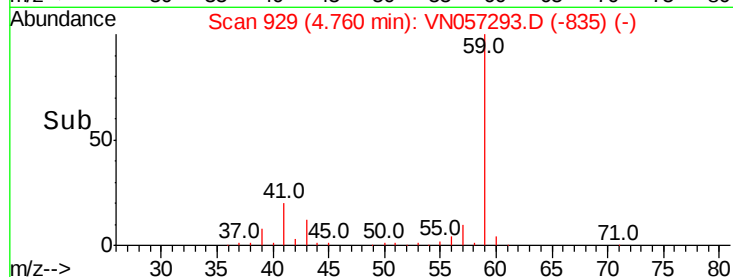
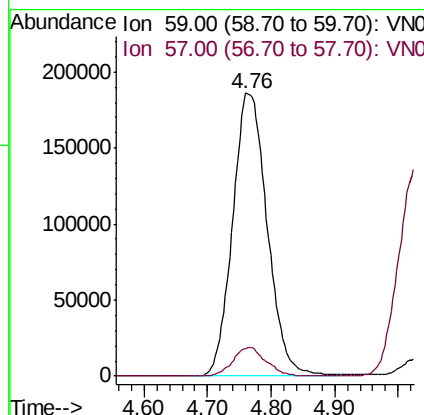
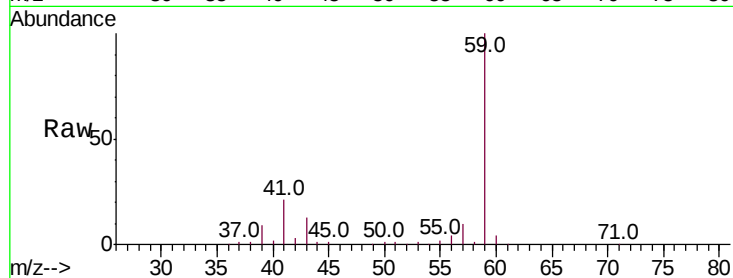


#11

Tert butyl alcohol
 Concen: 574.642 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampled :

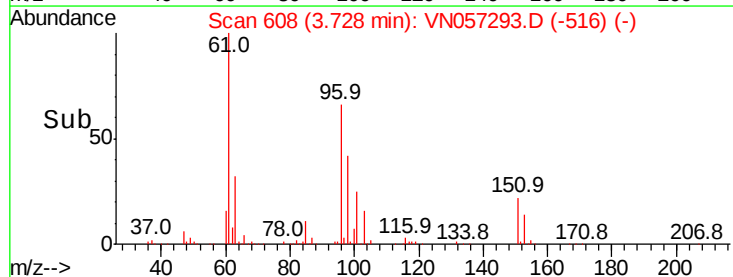
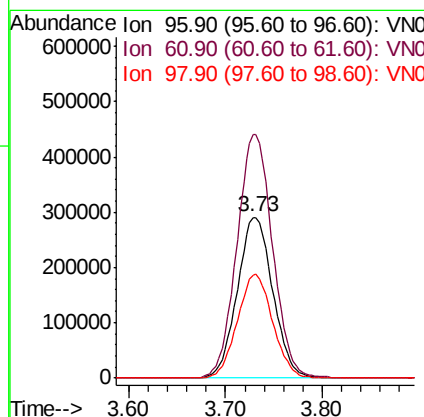
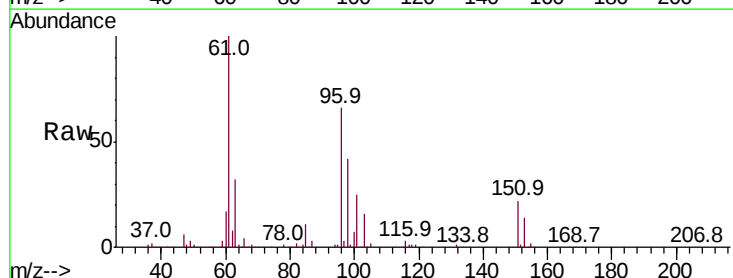
Tot Ion: 59 Resp: 703588
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2

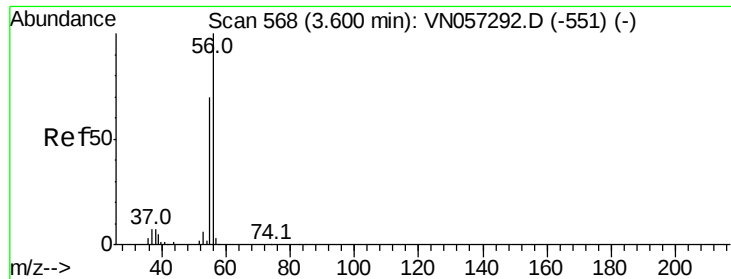


#12

1,1-Dichloroethene
 Concen: 96.738 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion: 96 Resp: 743476
 Ion Ratio Lower Upper
 96 100
 61 151.4 119.7 179.5
 98 64.3 49.0 73.4





#13

Acrolein

Concen: 461.514 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

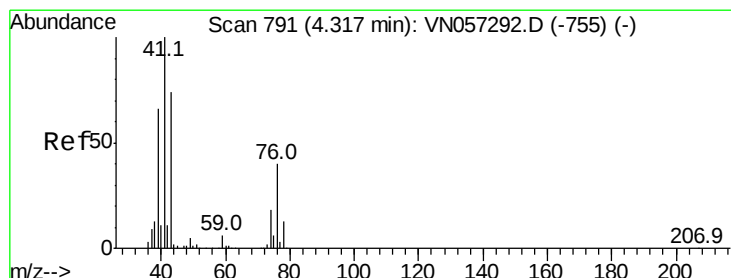
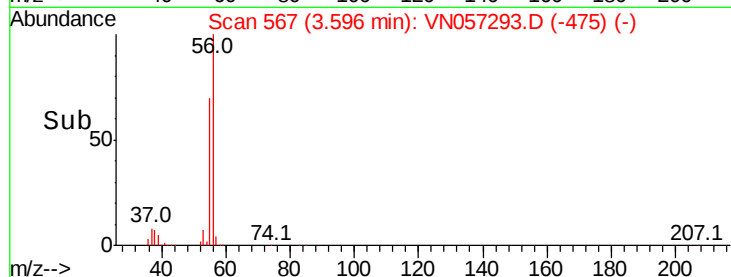
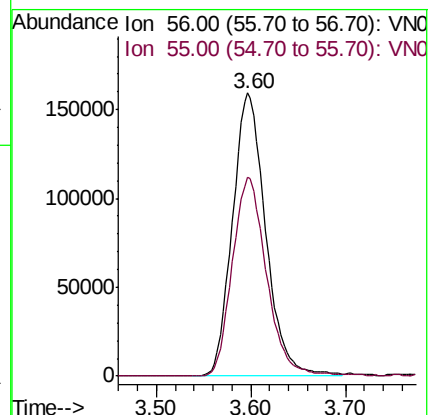
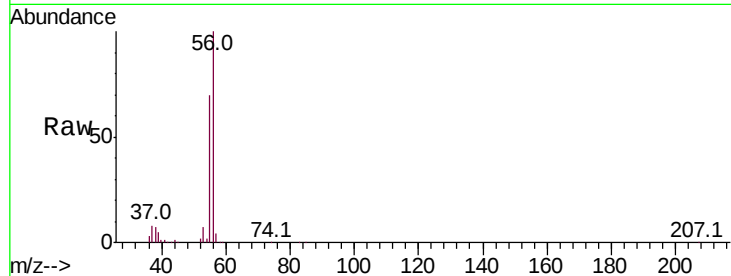
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 388906

Ion Ratio Lower Upper

56 100

55 72.2 56.6 84.8



#14

Allyl chloride

Concen: 102.812 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

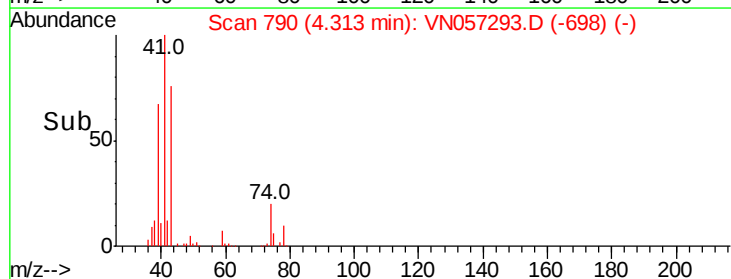
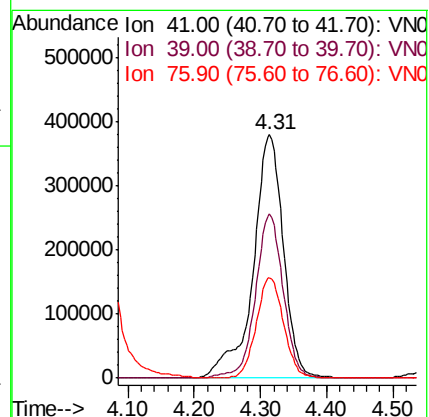
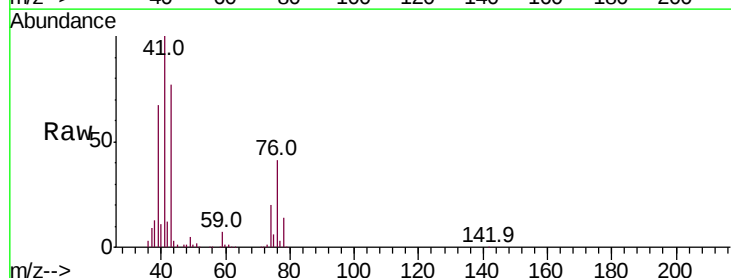
Tgt Ion: 41 Resp: 1204874

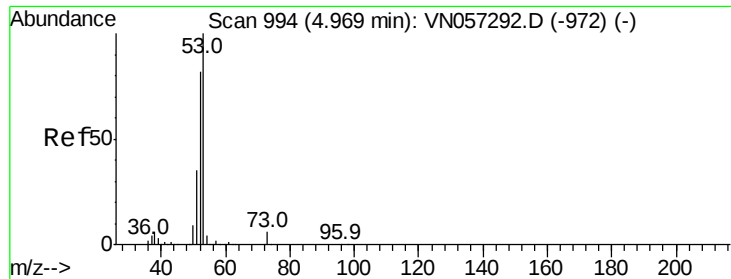
Ion Ratio Lower Upper

41 100

39 61.8 49.0 73.6

76 36.8 29.0 43.4





#15

Acrylonitrile

Concen: 556.029 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

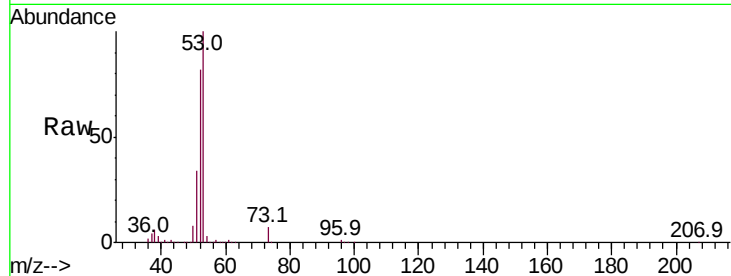
Tot Ion: 53 Resp: 1898582

Ion Ratio Lower Upper

53 100

52 81.6 66.2 99.2

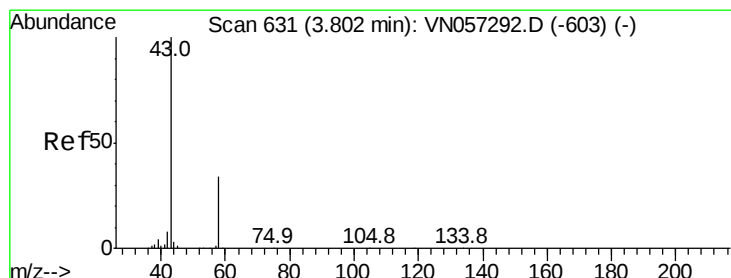
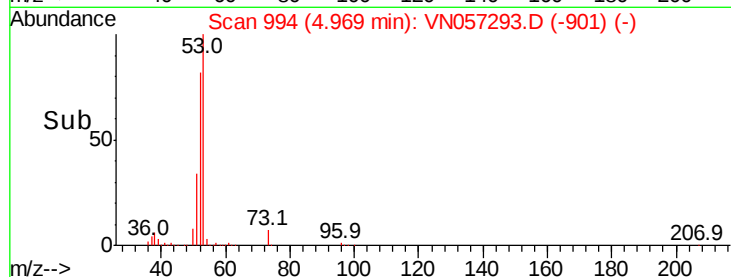
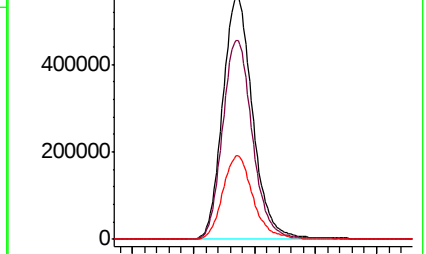
51 34.8 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN057293.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN057293.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN057293.D (-972) (-)



#16

Acetone

Concen: 501.840 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057293.D

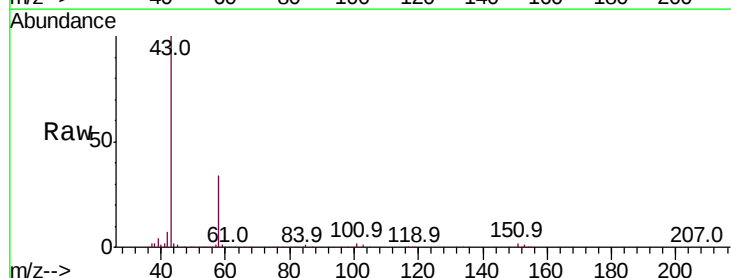
Acq: 14 Aug 2019 17:51

Tgt Ion: 43 Resp: 1536538

Ion Ratio Lower Upper

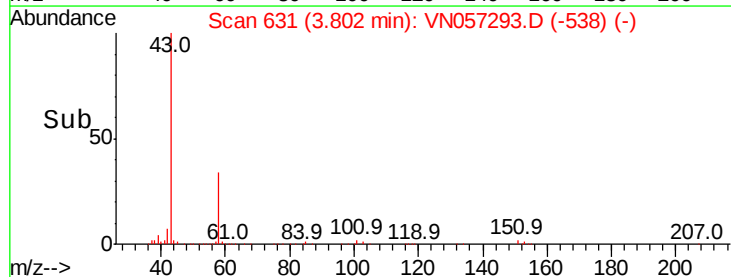
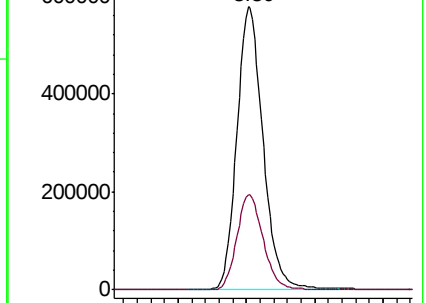
43 100

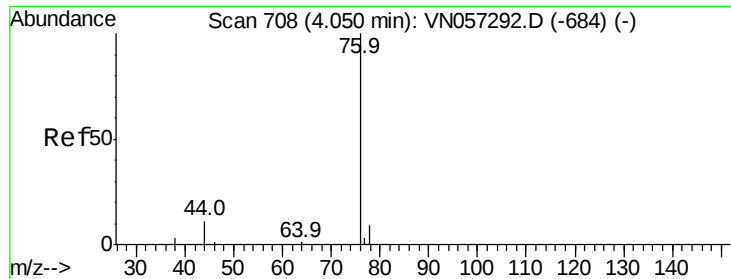
58 33.6 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN057293.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN057293.D (-603) (-)

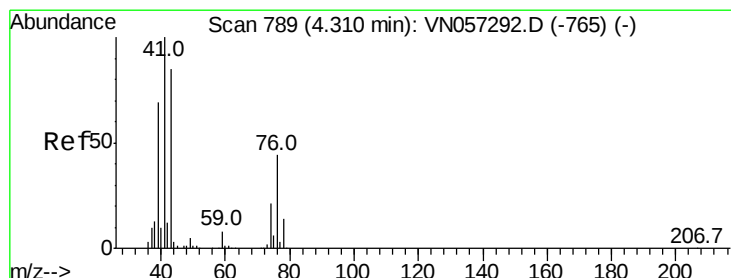
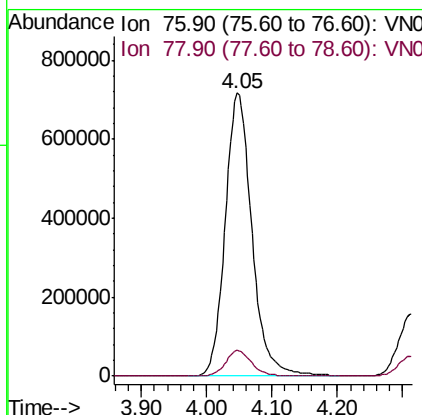
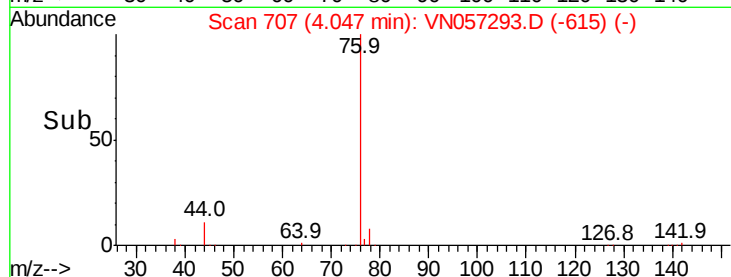
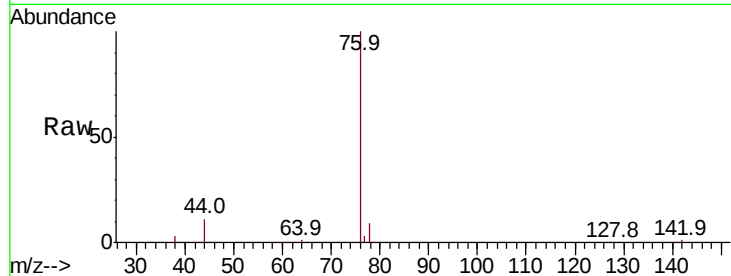




#17
Carbon Disulfide
Concen: 97.154 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

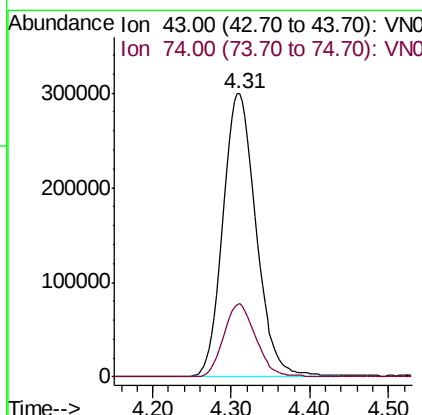
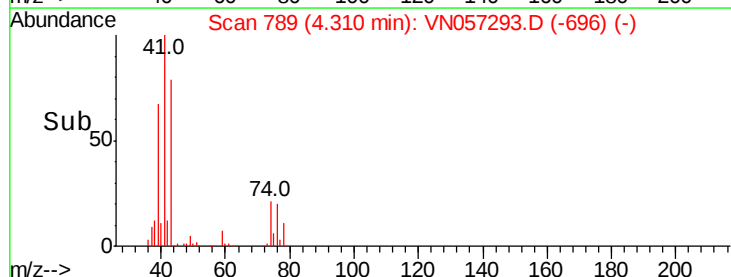
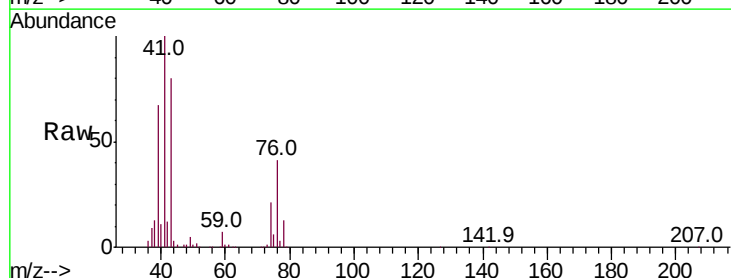
Instrument :
MSVOA_N
ClientSampled :

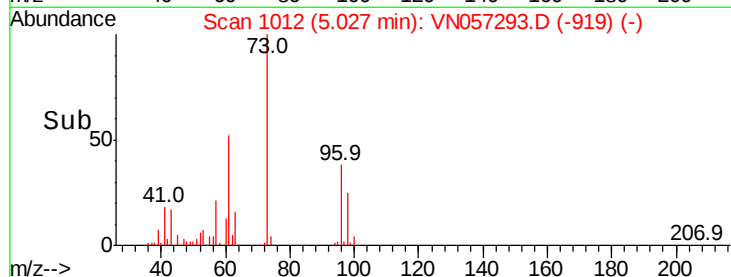
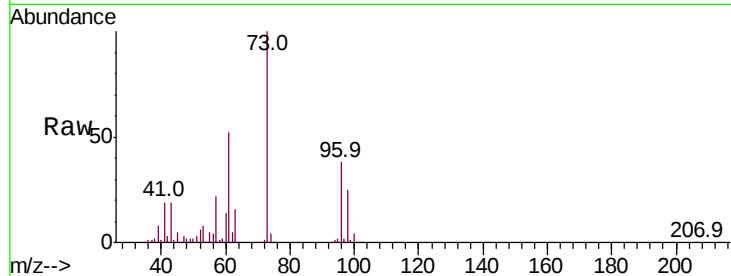
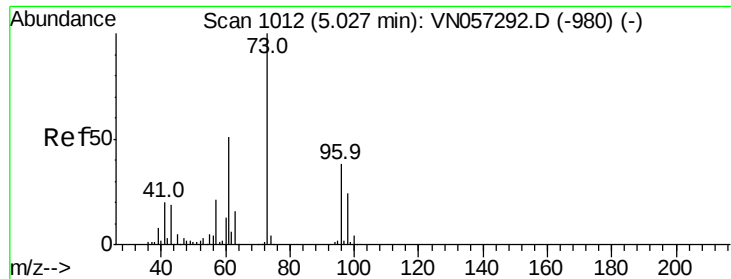
Tot Ion: 76 Resp: 2031574
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 82.600 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 43 Resp: 868106
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.2

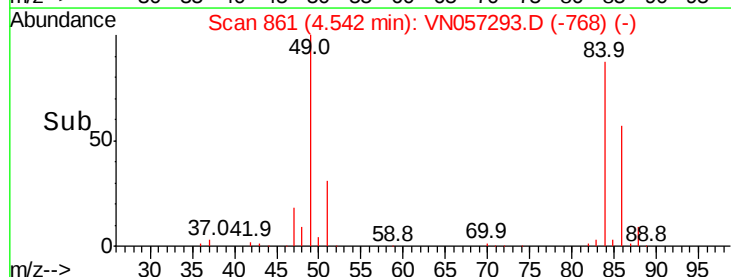
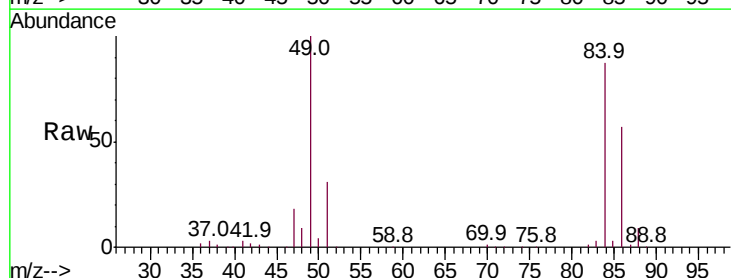
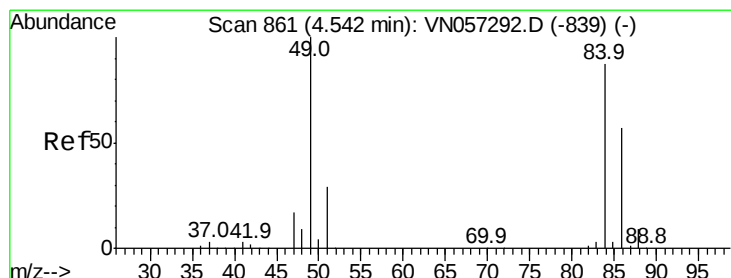
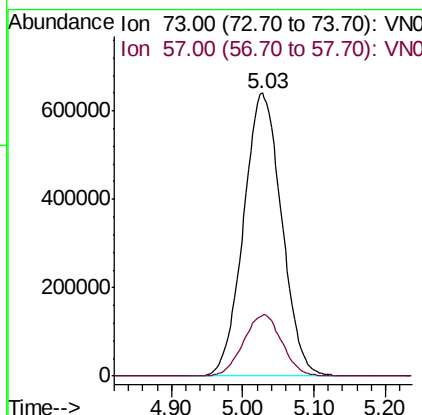




#19
Methvl tert-butvl Ether
Concen: 102.946 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

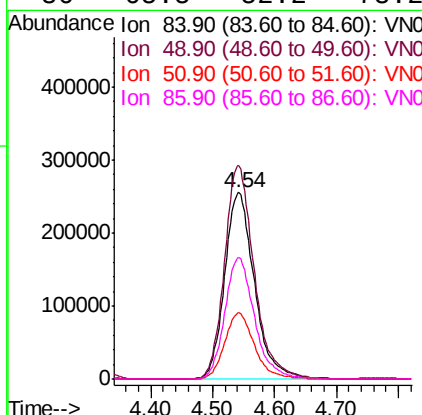
Instrument :
MSVOA_N
ClientSampleId :

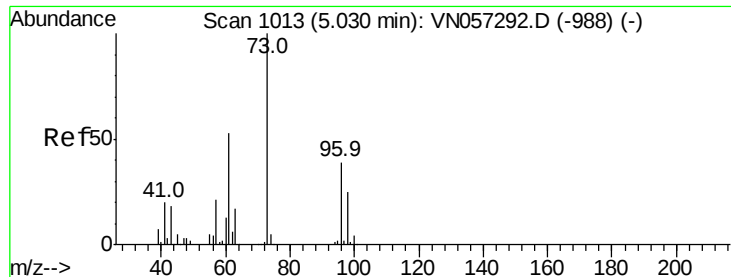
Tot Ion: 73 Resp: 2376763
Ion Ratio Lower Upper
73 100
57 21.6 16.9 25.3



#20
Methylene Chloride
Concen: 95.753 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 84 Resp: 856875
Ion Ratio Lower Upper
84 100
49 114.3 92.0 138.0
51 35.5 27.1 40.7
86 65.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 97.053 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampled :

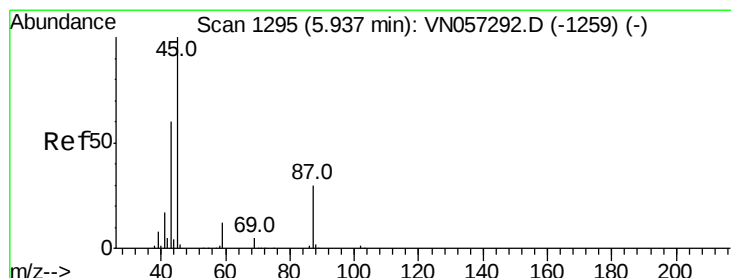
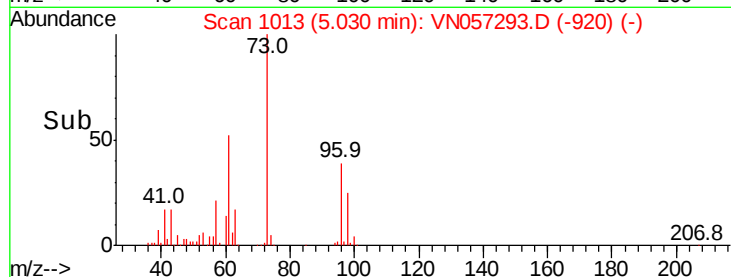
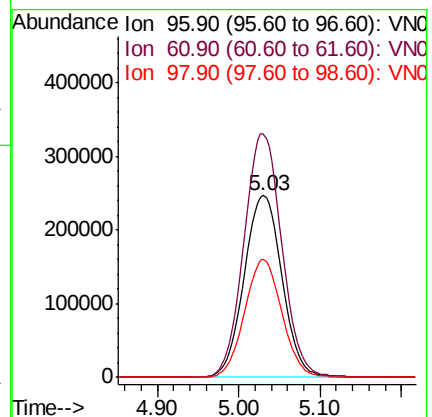
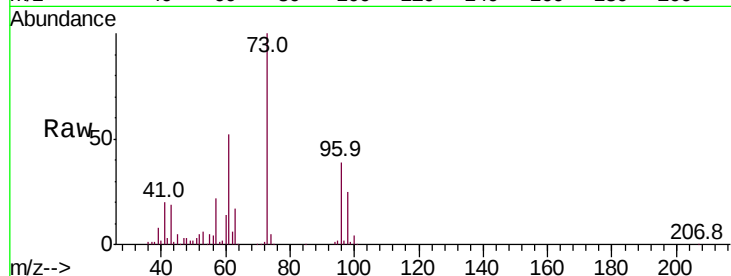
Tot Ion: 96 Resp: 793575

Ion Ratio Lower Upper

96 100

61 133.7 109.5 164.3

98 64.9 51.0 76.6



#22

Diisopropyl ether

Concen: 101.132 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tgt Ion: 45 Resp: 2338098

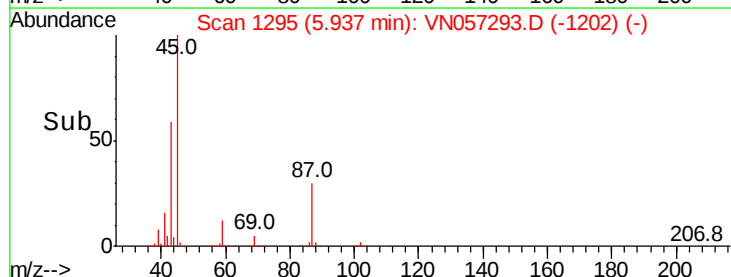
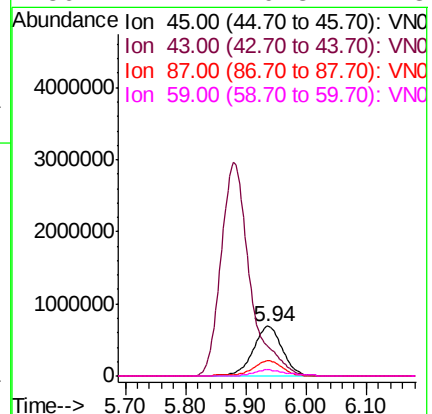
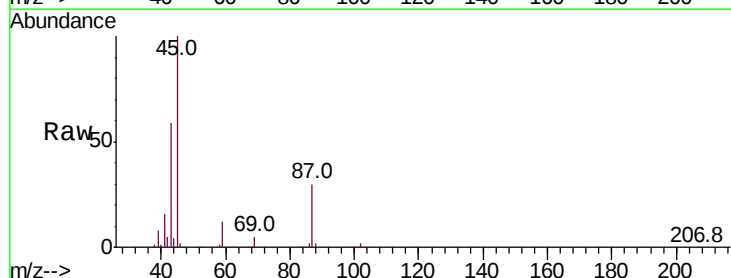
Ion Ratio Lower Upper

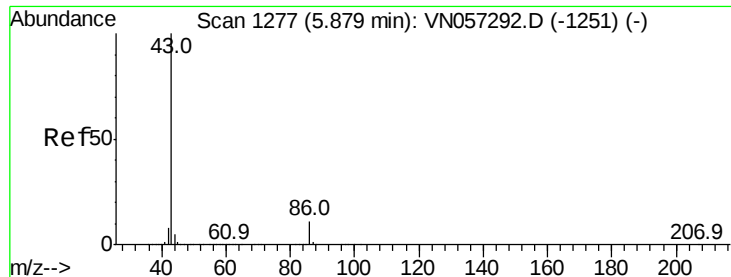
45 100

43 58.5 48.3 72.5

87 30.4 24.6 36.8

59 12.2 9.8 14.8





#23

Vinyl Acetate

Concen: 536.655 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

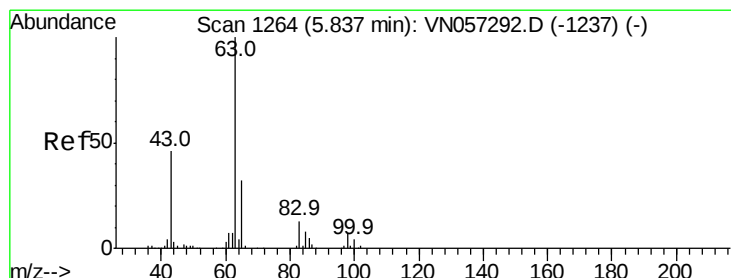
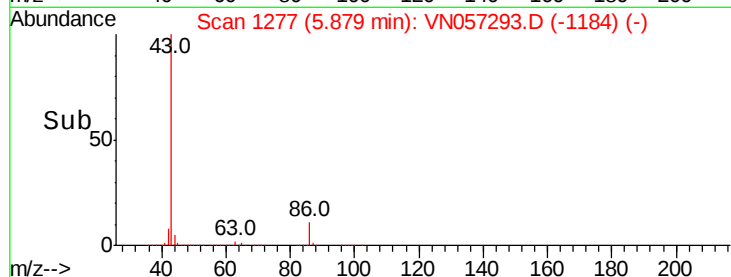
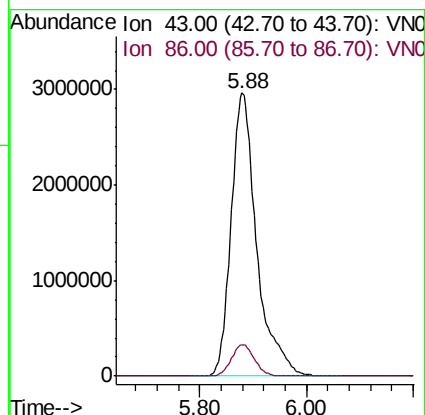
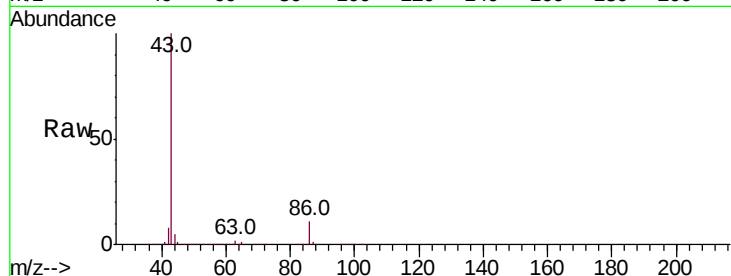
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 9842241

Ion Ratio Lower Upper

43 100

86 11.2 8.7 13.1



#24

1,1-Dichloroethane

Concen: 98.736 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

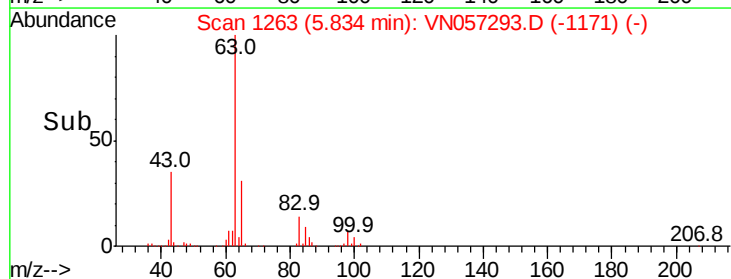
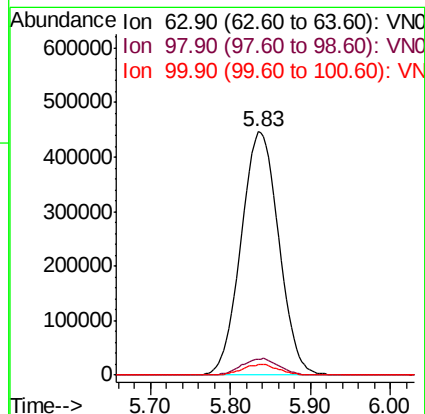
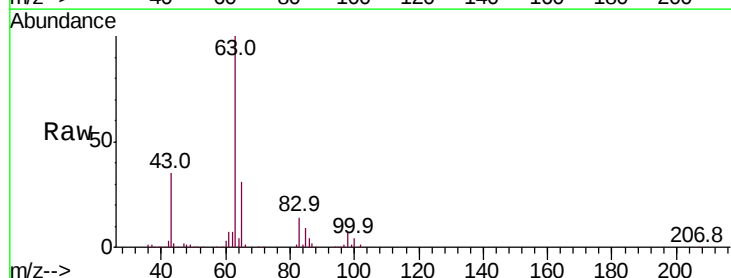
Tgt Ion: 63 Resp: 1430227

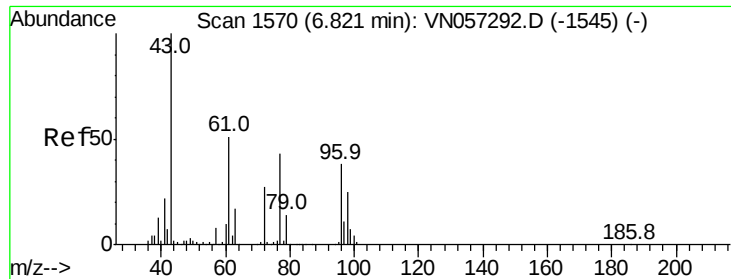
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 543.828 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

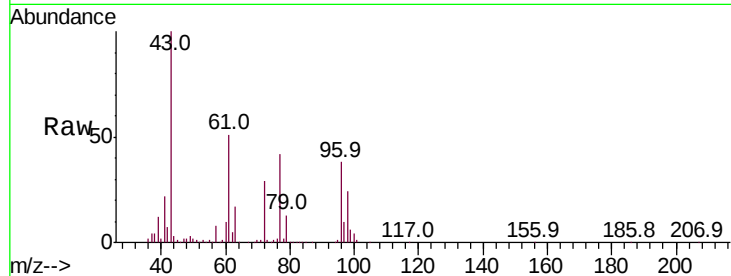
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2390319

Ion Ratio Lower Upper

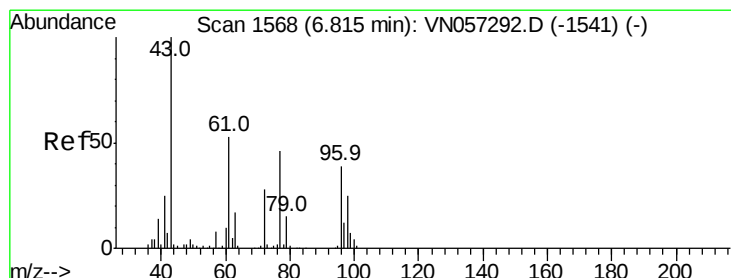
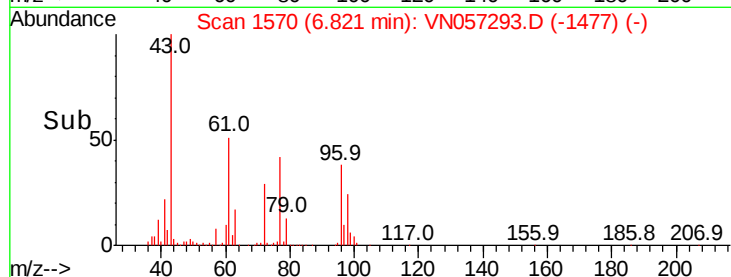
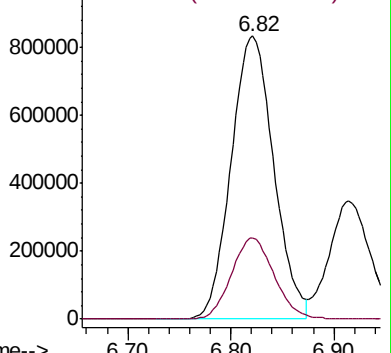
43 100

72 28.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 100.629 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057293.D

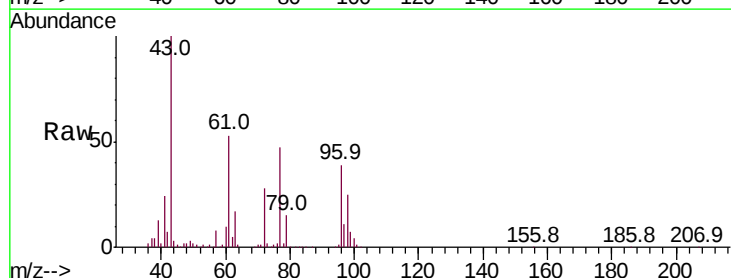
Acq: 14 Aug 2019 17:51

Tgt Ion: 77 Resp: 1189454

Ion Ratio Lower Upper

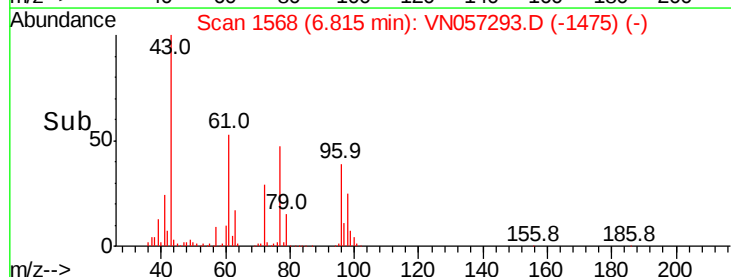
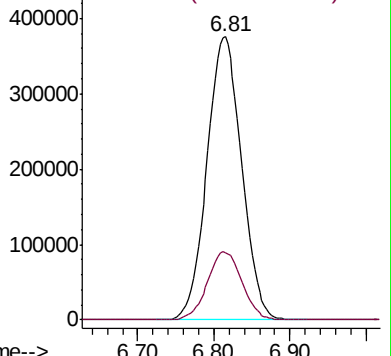
77 100

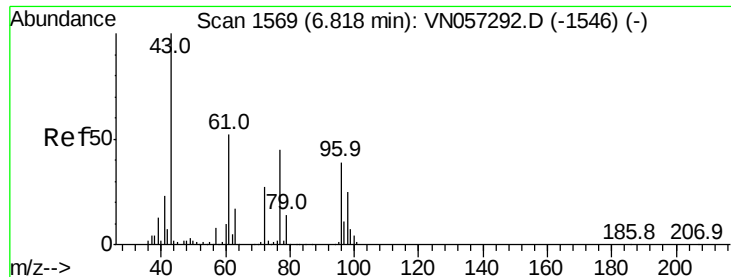
97 24.2 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 99.342 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :

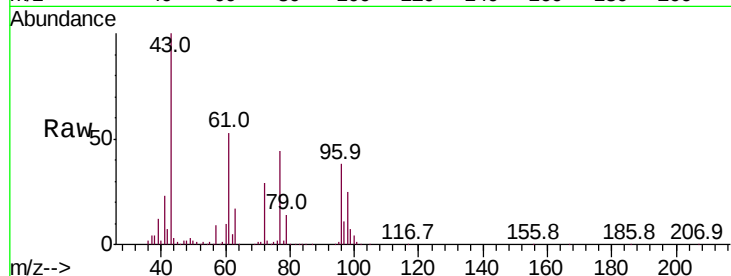
Tot Ion: 96 Resp: 938605

Ion Ratio Lower Upper

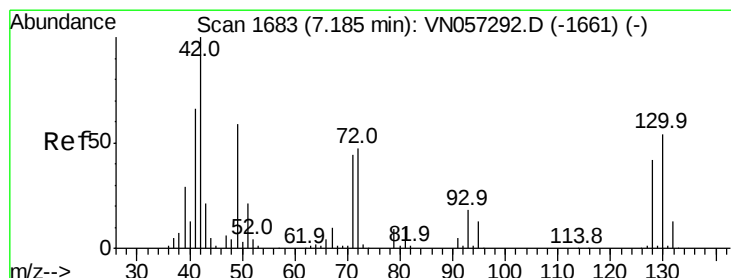
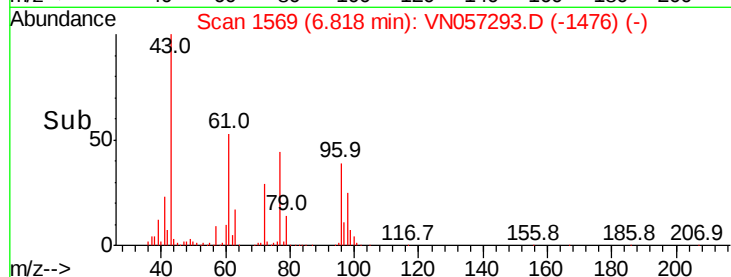
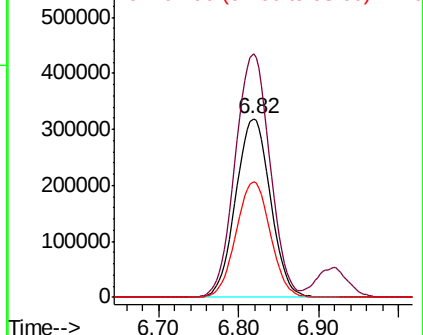
96 100

61 136.4 0.0 272.0

98 63.9 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: 99.157 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

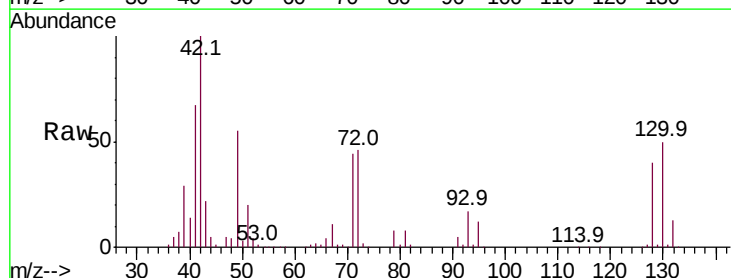
Tgt Ion: 49 Resp: 639697

Ion Ratio Lower Upper

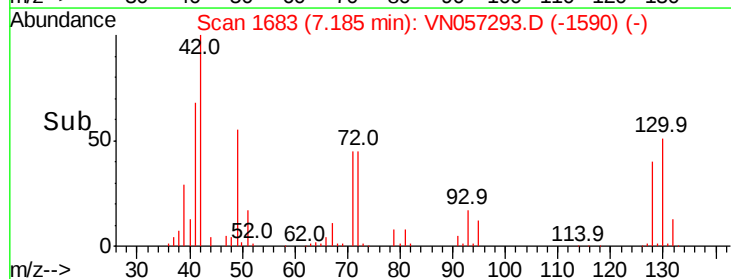
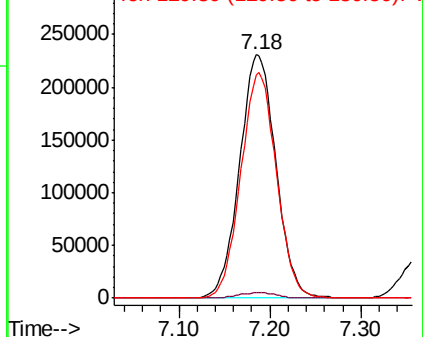
49 100

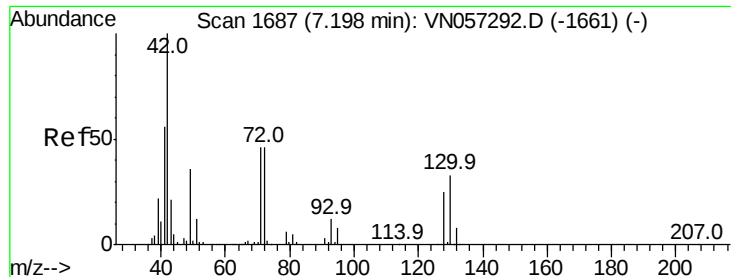
129 2.4 0.0 2.0#

130 91.2 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

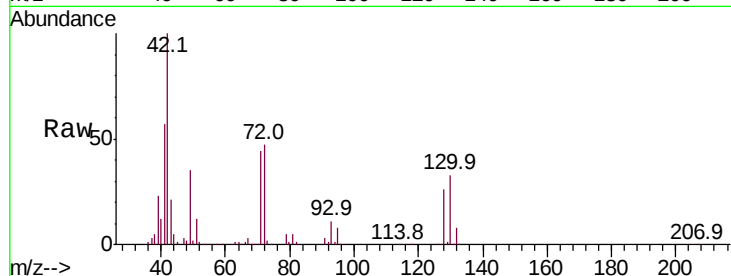




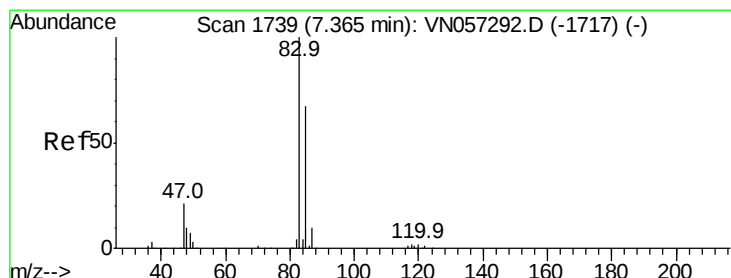
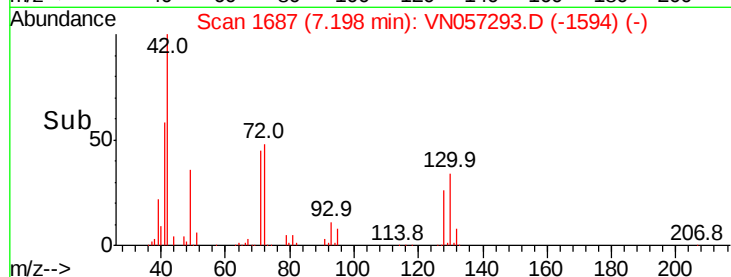
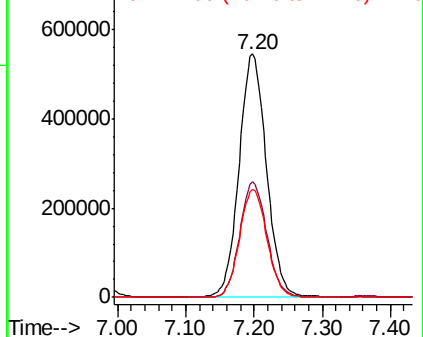
#29
Tetrahydrofuran
Concen: 543.697 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1525308
Ion Ratio Lower Upper
42 100
72 46.9 37.8 56.6
71 44.3 35.7 53.5

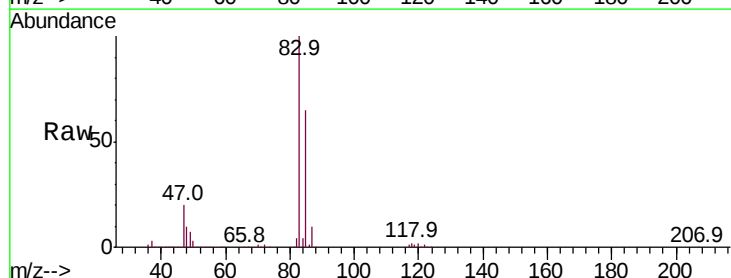


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

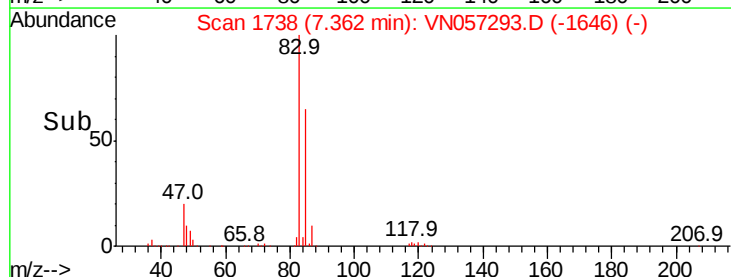
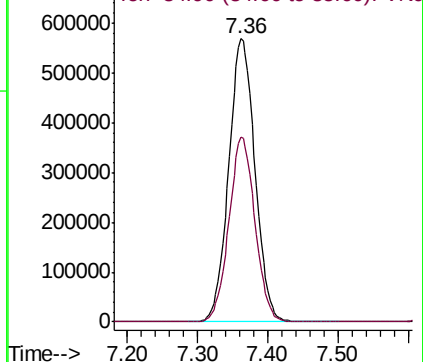


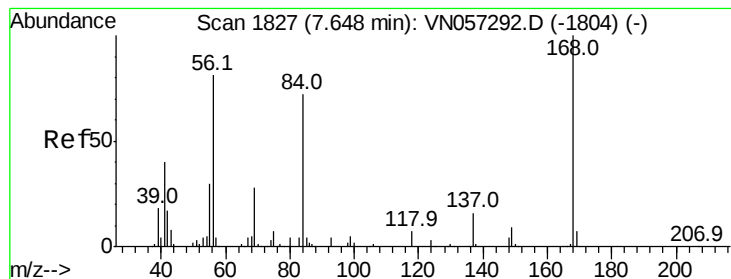
#30
Chloroform
Concen: 97.558 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 83 Resp: 1478905
Ion Ratio Lower Upper
83 100
85 65.3 53.3 79.9



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





#31

Cyclohexane

Concen: 95.487 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampled :

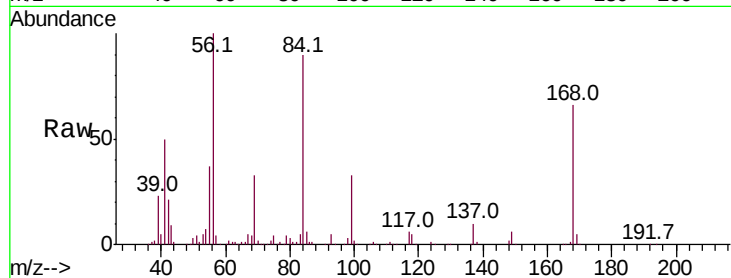
Tot Ion: 56 Resp: 1202369

Ion Ratio Lower Upper

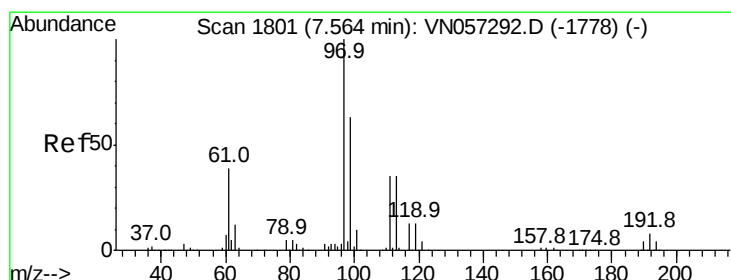
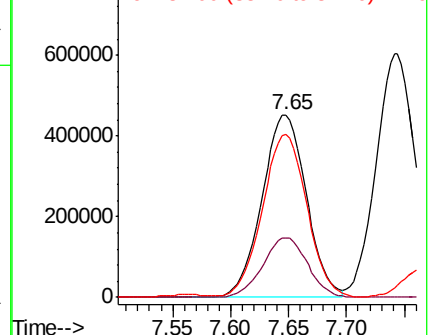
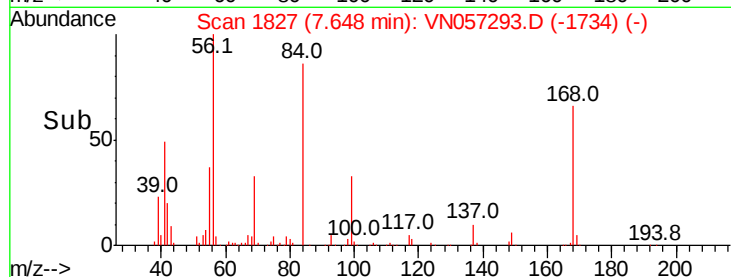
56 100

69 32.7 27.3 40.9

84 88.0 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: 101.510 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

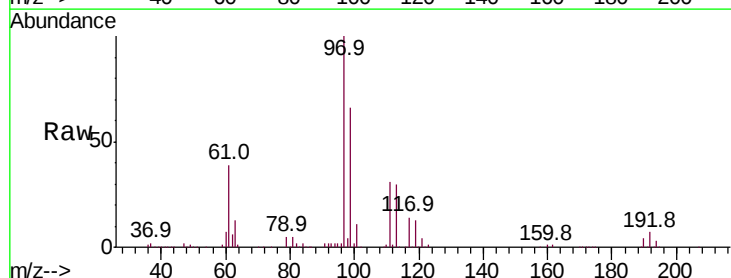
Tgt Ion: 97 Resp: 1301169

Ion Ratio Lower Upper

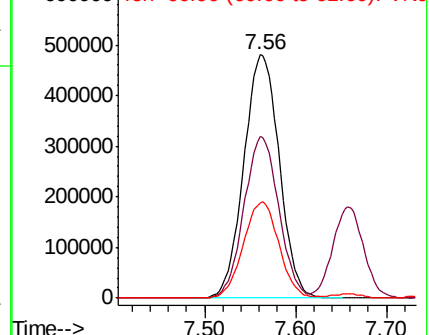
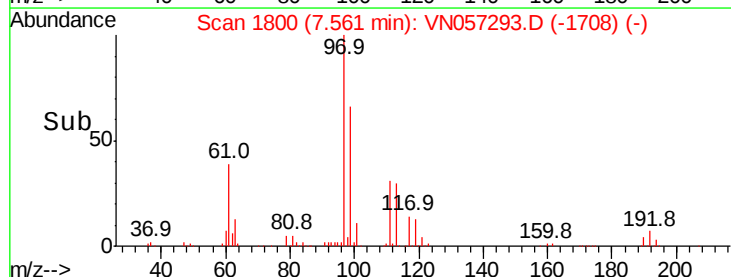
97 100

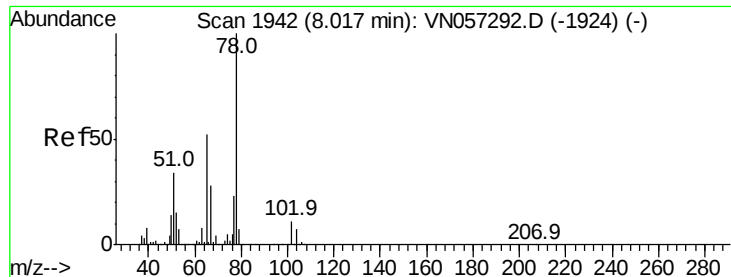
99 65.4 50.3 75.5

61 39.7 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: 103.623 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

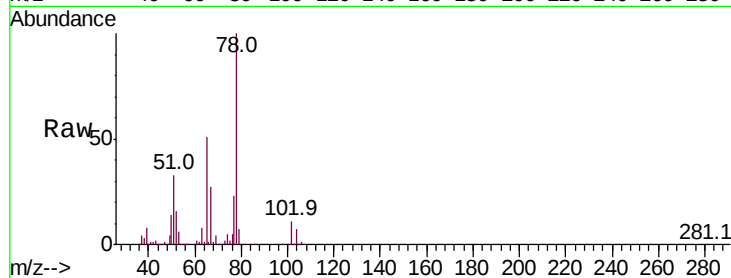
ClientSampleId :

Tot Ion: 65 Resp: 923725

Ion Ratio Lower Upper

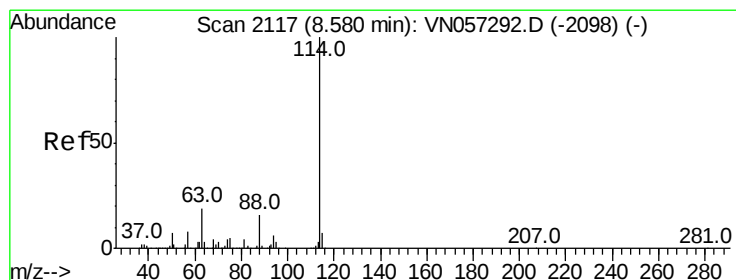
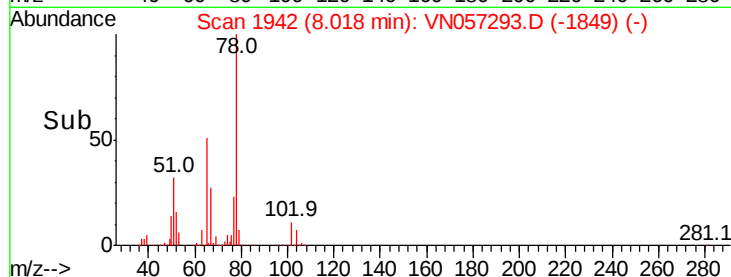
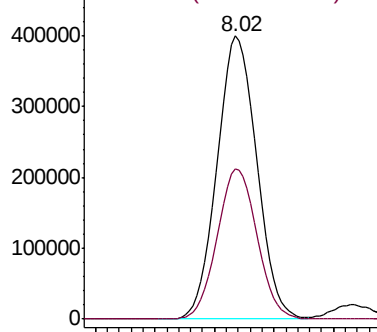
65 100

67 53.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

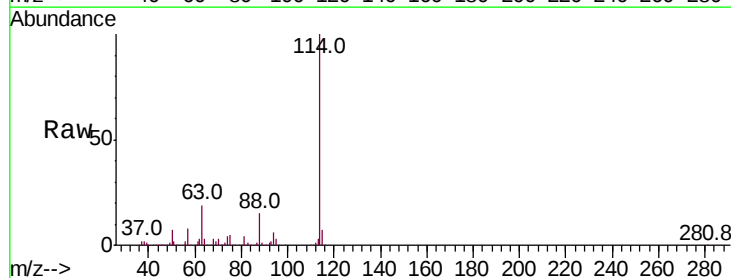
Tgt Ion: 114 Resp: 1293160

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

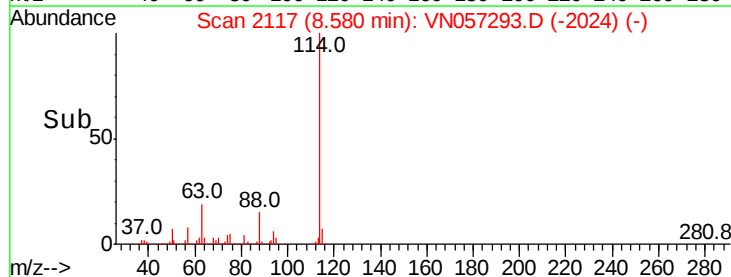
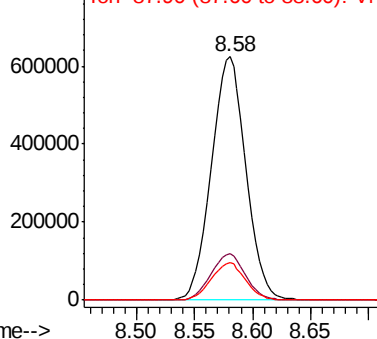
88 15.4 0.0 31.4

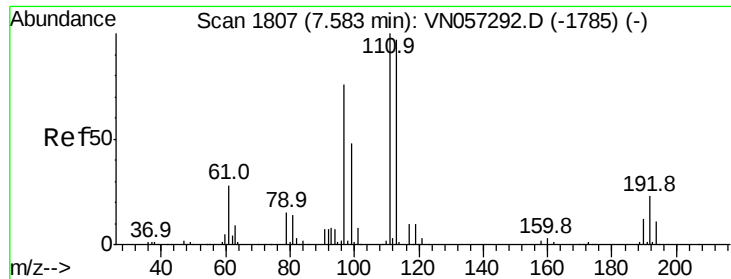


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

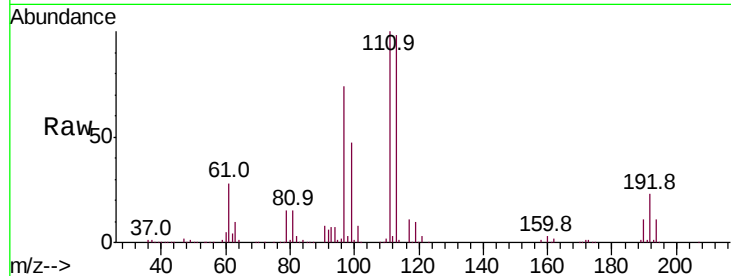




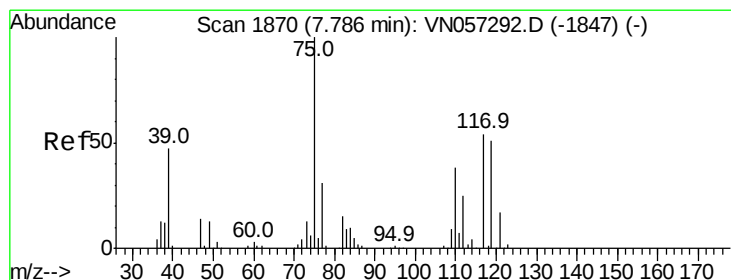
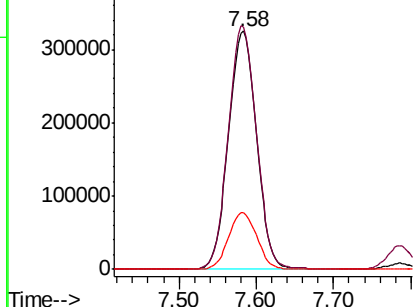
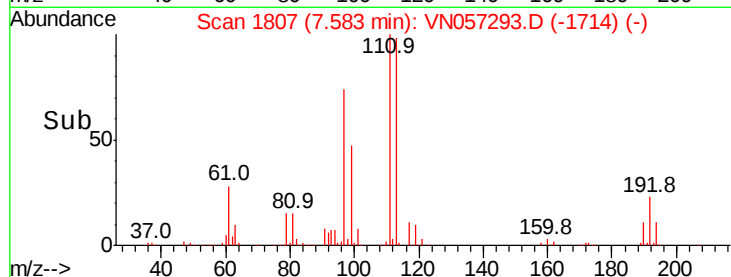
#35
 Dibromofluoromethane
 Concen: 99.985 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 818248
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.1 123.1
 192 23.8 19.3 28.9

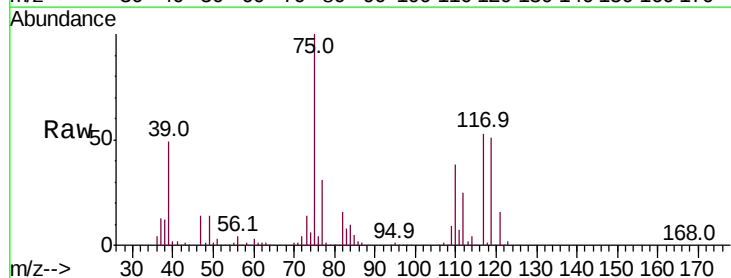


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

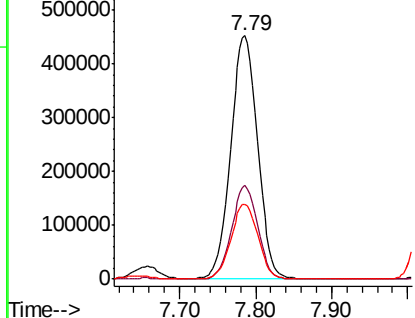
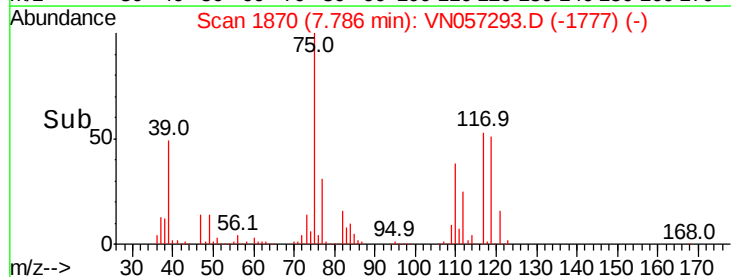


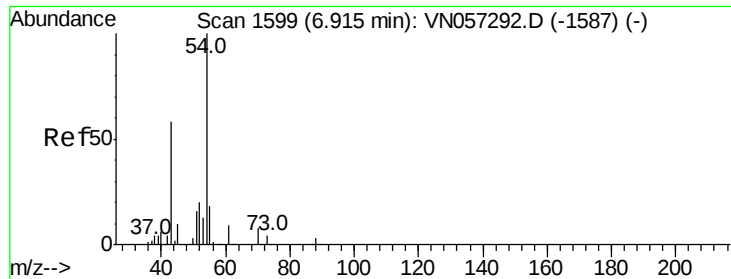
#36
 1,1-Dichloropropene
 Concen: 98.326 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion: 75 Resp: 1103622
 Ion Ratio Lower Upper
 75 100
 110 37.4 19.5 58.5
 77 31.3 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

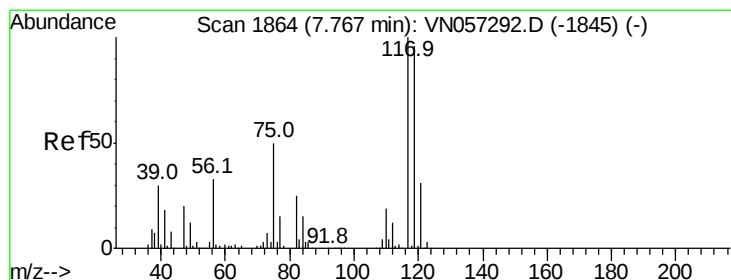
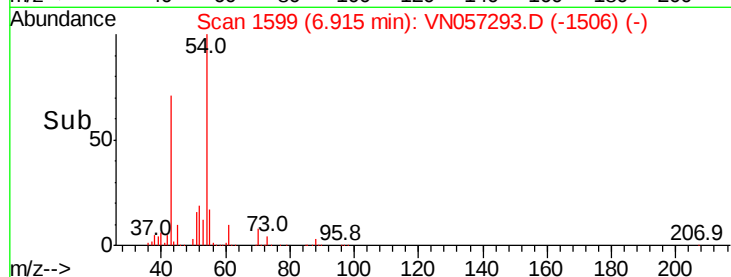
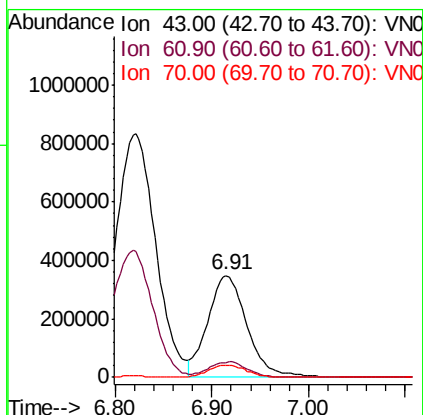
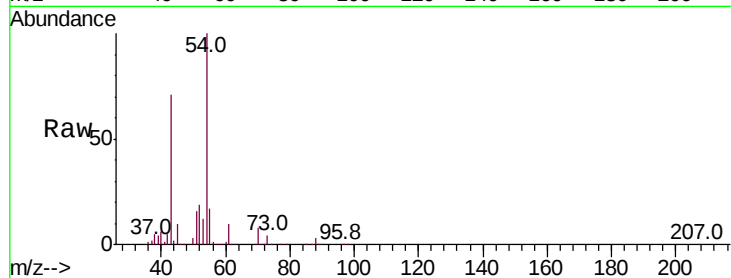




#37
Ethyl Acetate
Concen: 105.474 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

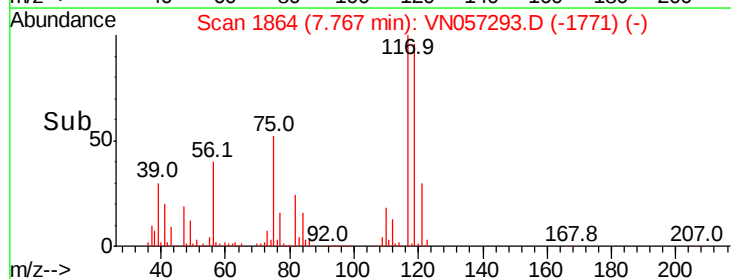
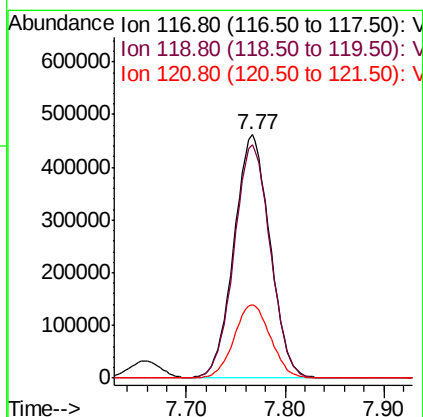
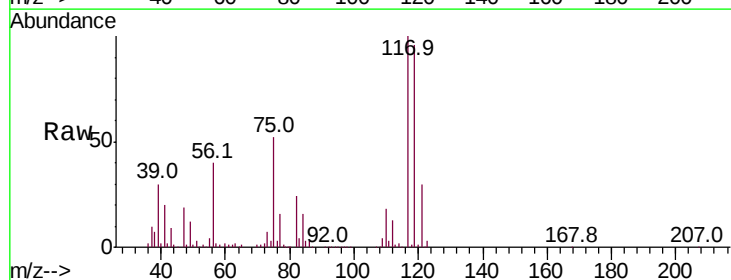
Instrument :
MSVOA_N
ClientSampled :

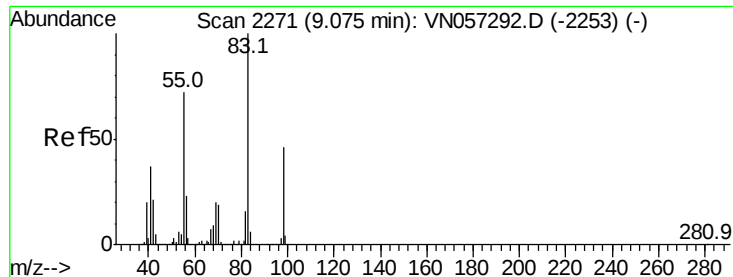
Tot Ion: 43 Resp: 969210
Ion Ratio Lower Upper
43 100
61 14.9 12.0 18.0
70 11.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 97.909 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 117 Resp: 1168817
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2
121 30.1 25.0 37.4

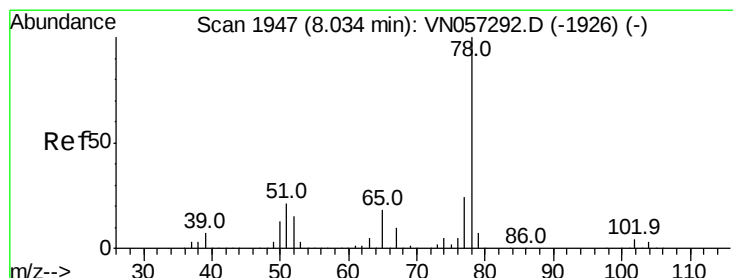
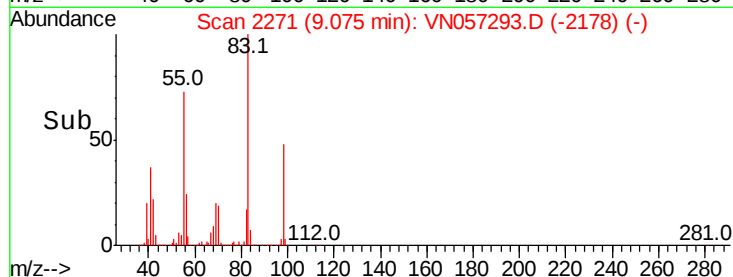
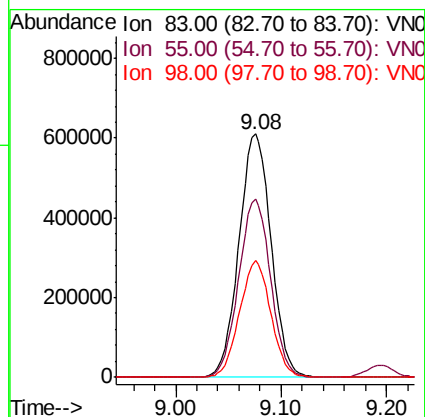
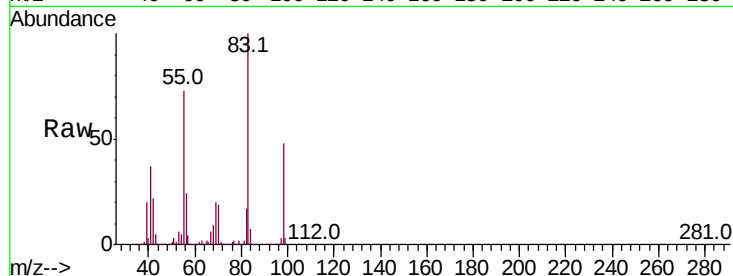




#39
Methvlcvclohexane
Concen: 97.426 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

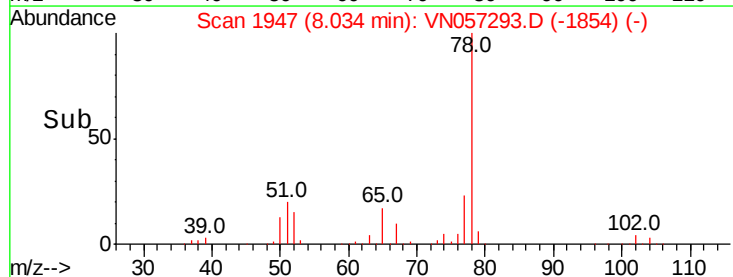
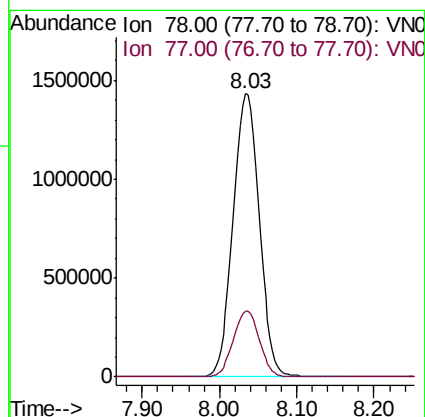
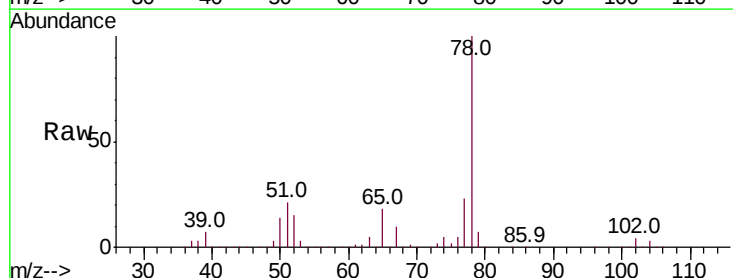
Instrument :
MSVOA_N
ClientSampled :

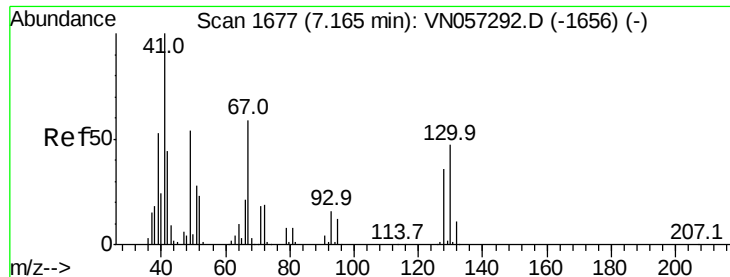
Tot Ion: 83 Resp: 1292691
Ion Ratio Lower Upper
83 100
55 73.2 57.5 86.3
98 47.8 36.6 55.0



#40
Benzene
Concen: 97.944 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 78 Resp: 3360029
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



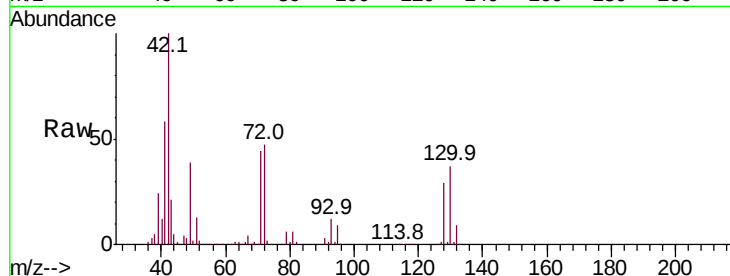


#41
Methacrylonitrile
Concen: 357.046 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1370559

Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



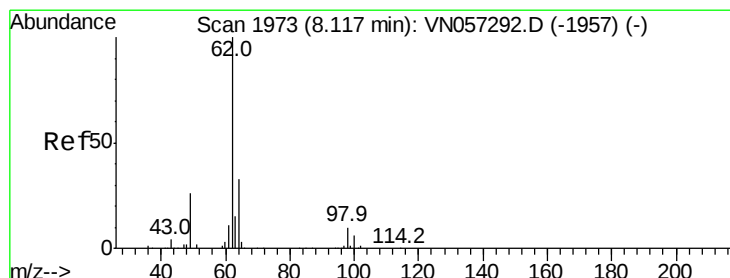
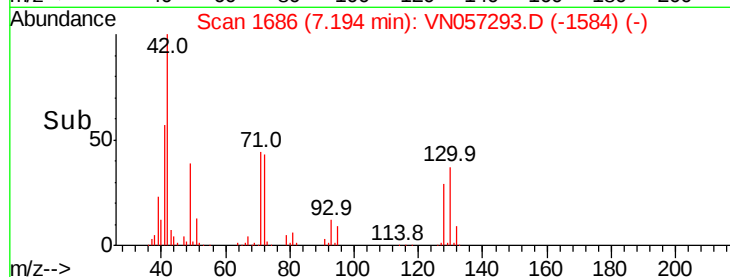
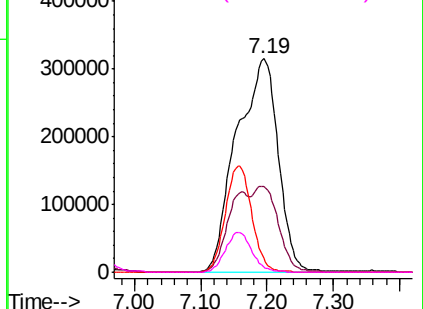
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

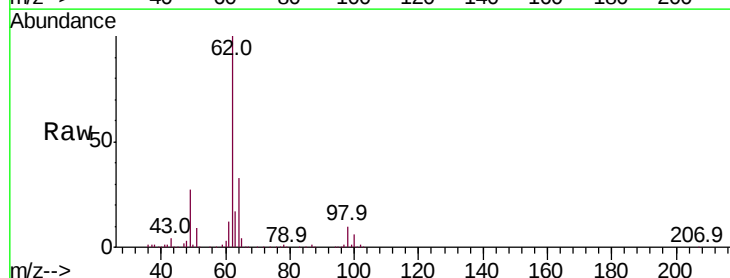
Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 100.410 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 62 Resp: 1106522

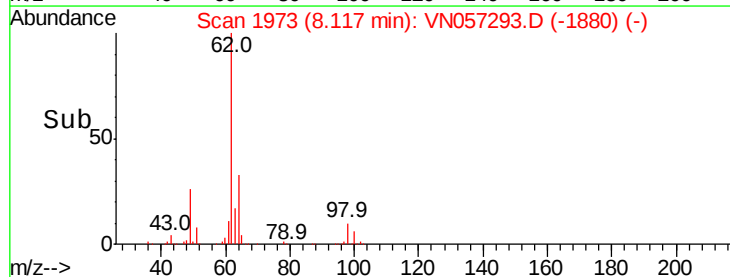
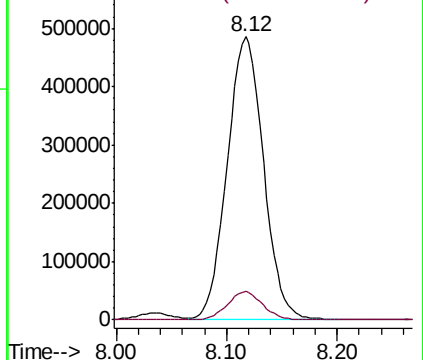
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

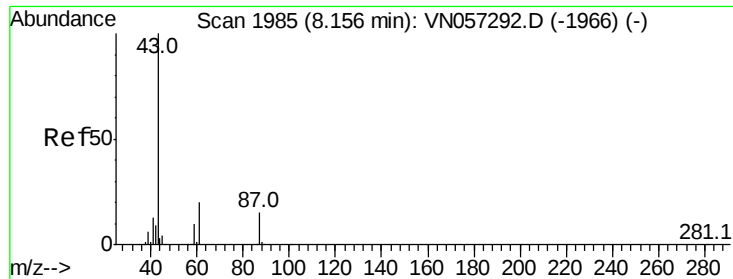


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 110.210 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :

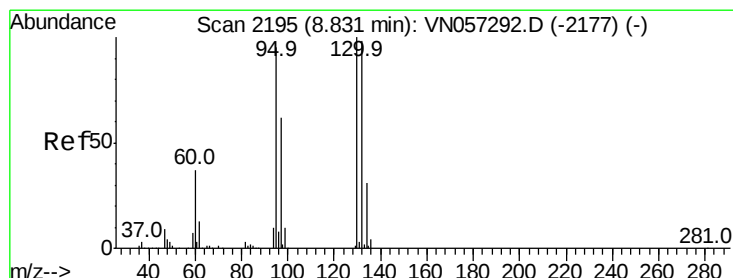
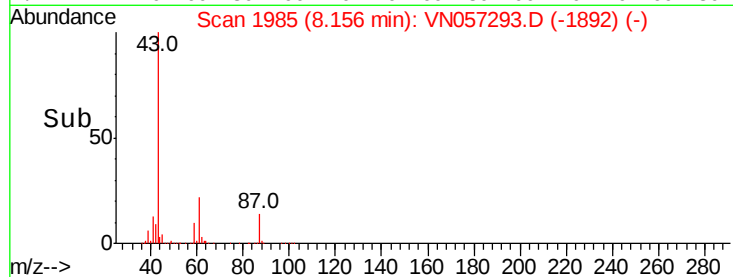
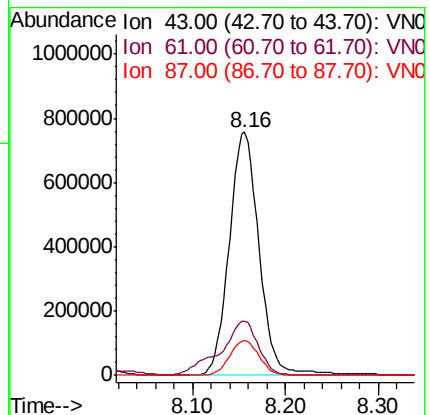
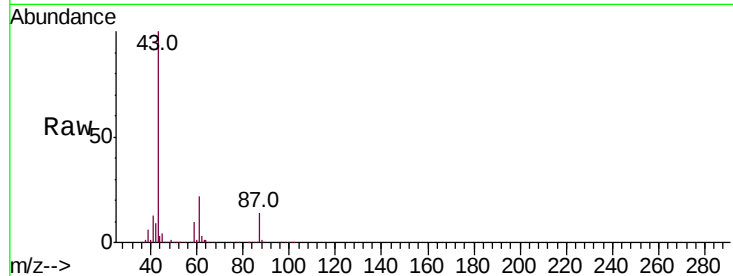
Tot Ion: 43 Resp: 1683109

Ion Ratio Lower Upper

43 100

61 28.2 21.6 32.4

87 14.3 11.4 17.0



#44

Trichloroethene

Concen: 95.626 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057293.D

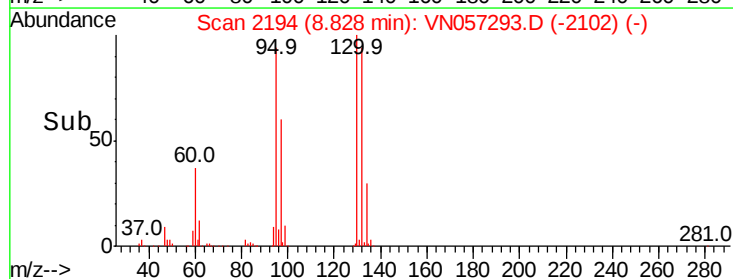
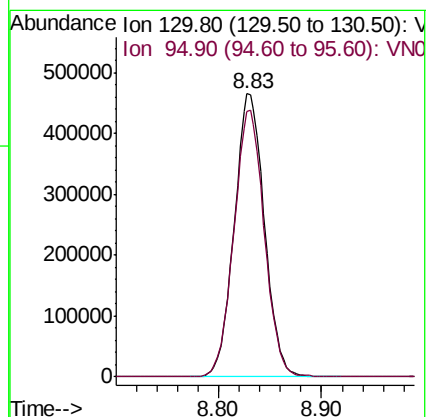
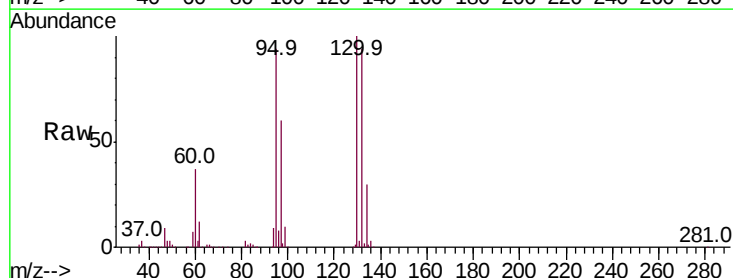
Acq: 14 Aug 2019 17:51

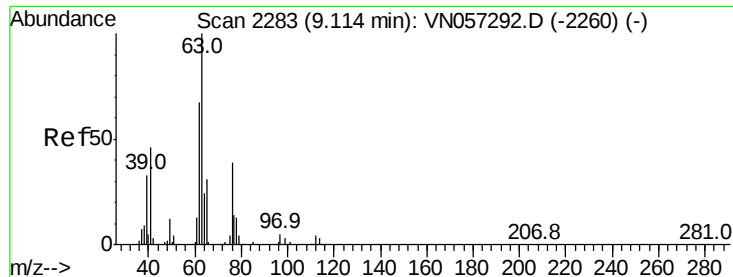
Tgt Ion:130 Resp: 945342

Ion Ratio Lower Upper

130 100

95 93.8 0.0 189.2

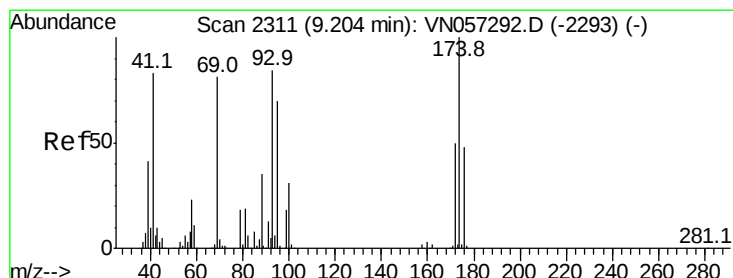
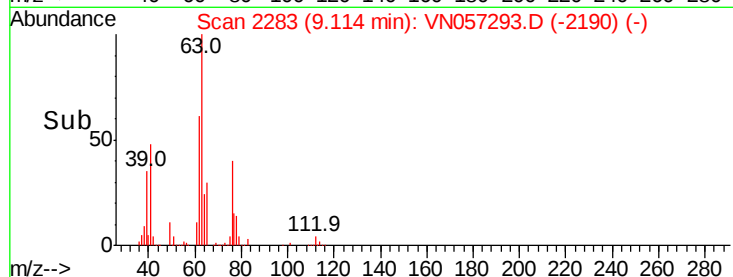
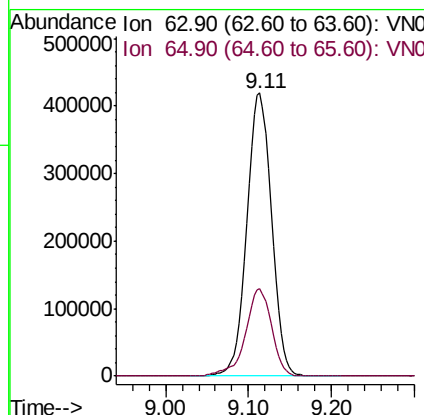
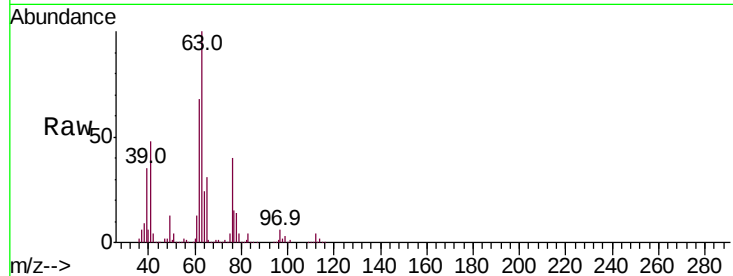




#45
 1,2-Dichloropropane
 Concen: 99.720 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

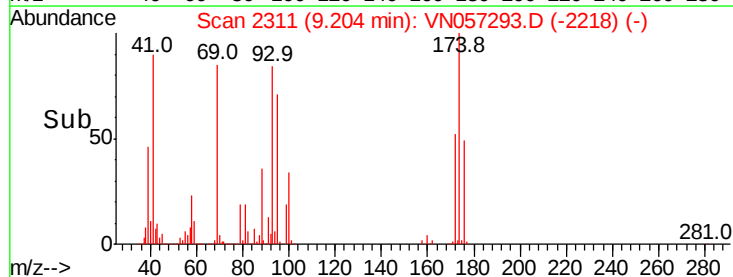
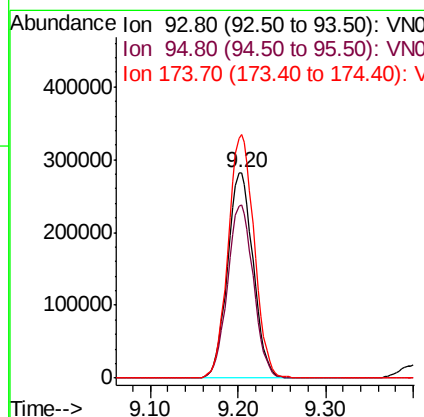
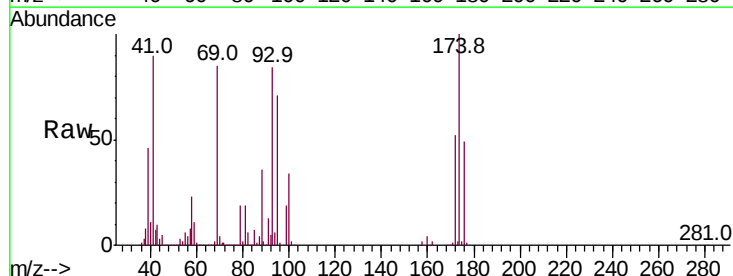
Instrument :
 MSVOA_N
 ClientSampleId :

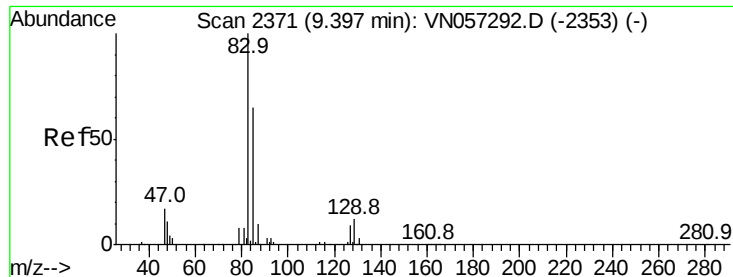
Tot Ion: 63 Resp: 868099
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.8 37.2



#46
 Dibromomethane
 Concen: 98.091 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion: 93 Resp: 574241
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.5 99.7
 174 120.2 95.7 143.5





#47

Bromodichloromethane

Concen: 103.224 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :

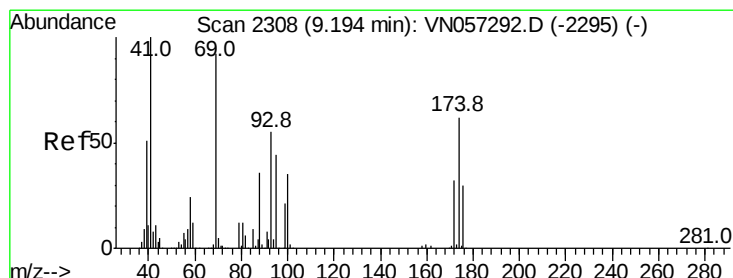
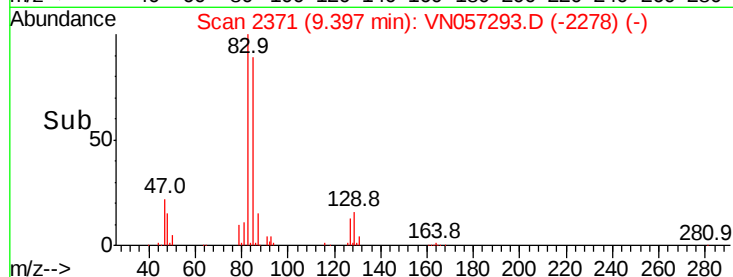
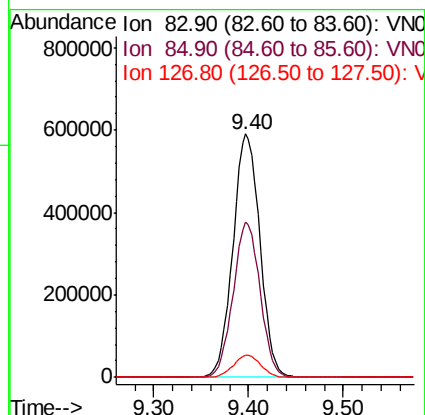
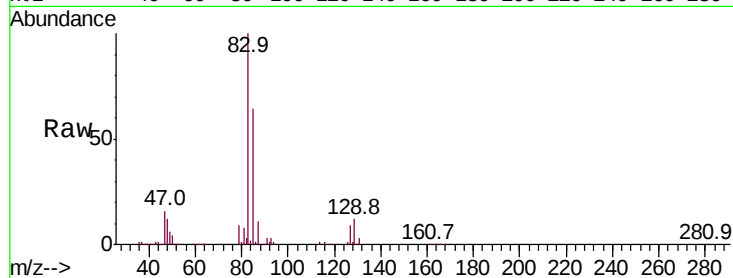
Tot Ion: 83 Resp: 1167423

Ion Ratio Lower Upper

83 100

85 63.8 51.9 77.9

127 9.0 7.2 10.8



#48

Methyl methacrylate

Concen: 112.489 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

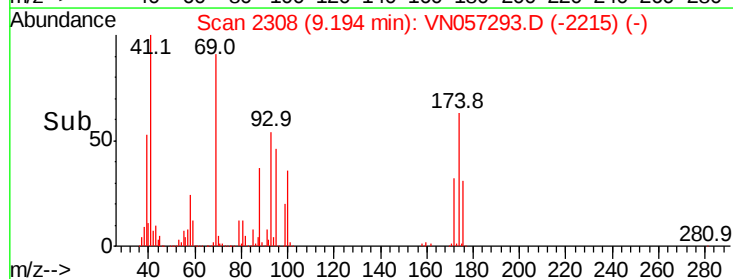
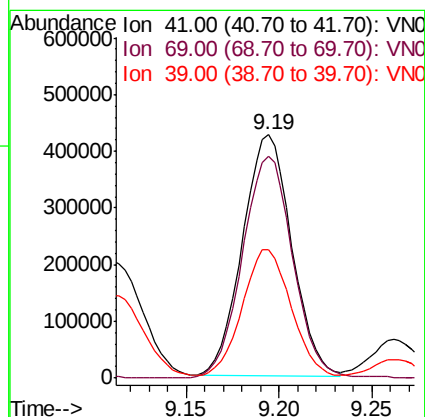
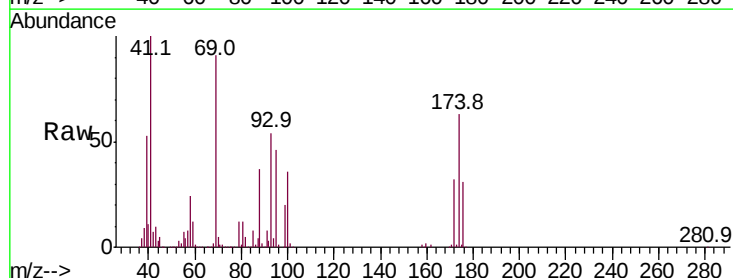
Tgt Ion: 41 Resp: 787823

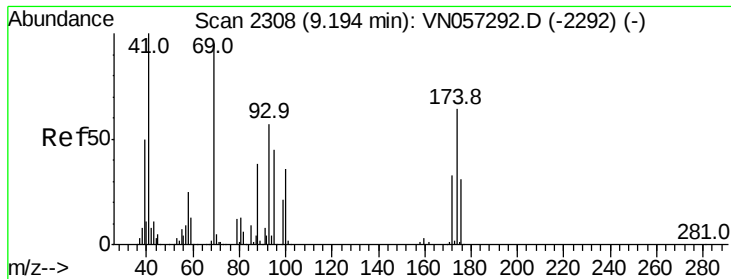
Ion Ratio Lower Upper

41 100

69 94.6 75.9 113.9

39 53.6 42.3 63.5





#49

1,4-Dioxane

Concen: 2131.048 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampleId :

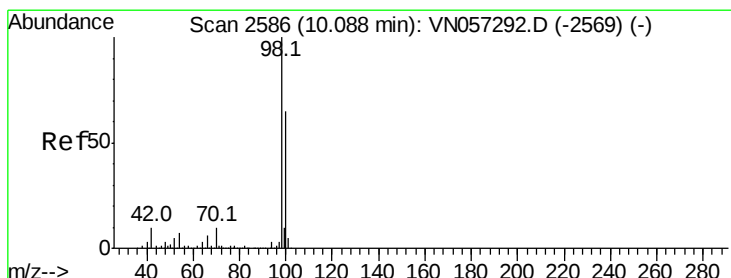
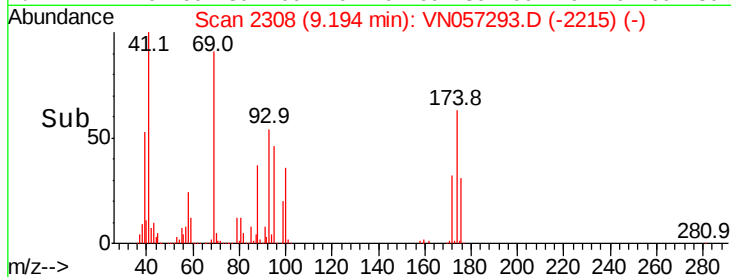
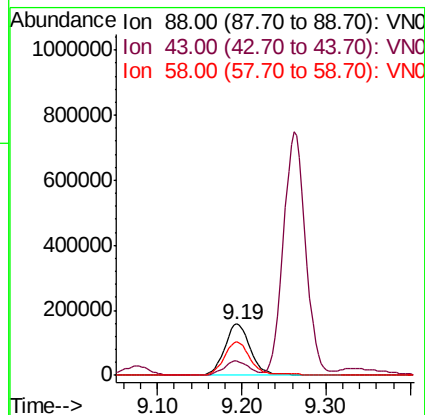
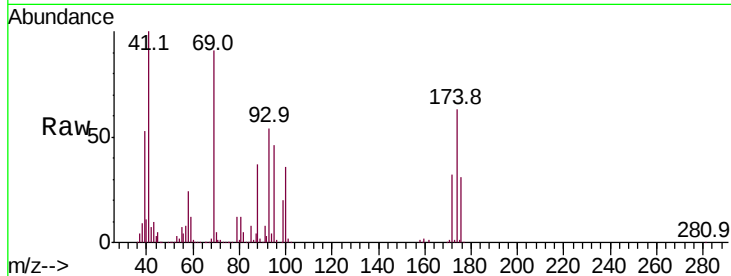
Tot Ion: 88 Resp: 335220

Ion Ratio Lower Upper

88 100

43 26.5 22.9 34.3

58 65.4 52.7 79.1



#50

Toluene-d8

Concen: 103.502 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057293.D

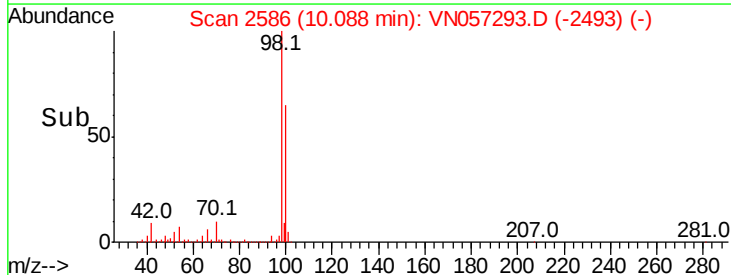
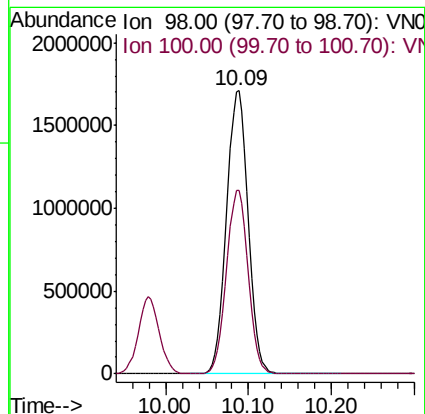
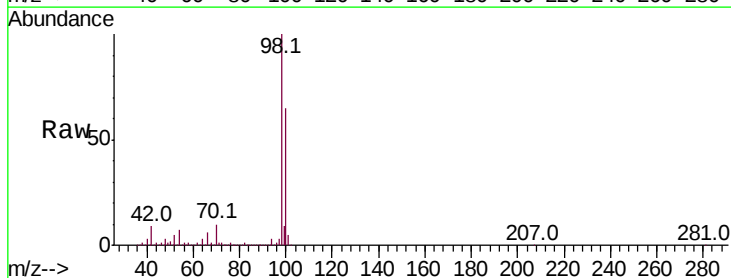
Acq: 14 Aug 2019 17:51

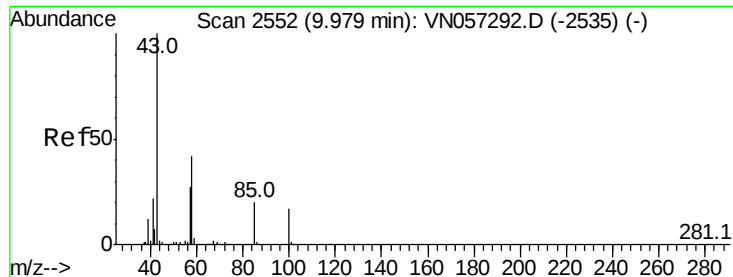
Tgt Ion: 98 Resp: 3088836

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 555.557 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

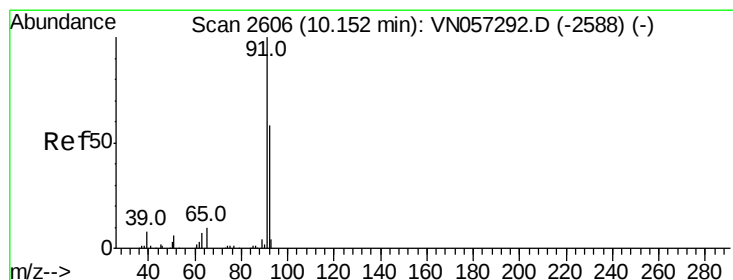
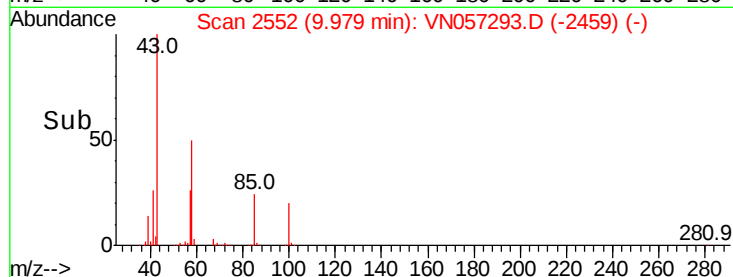
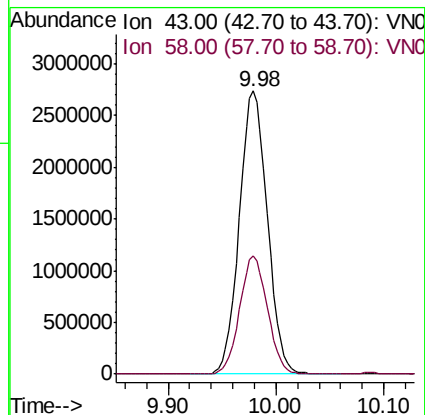
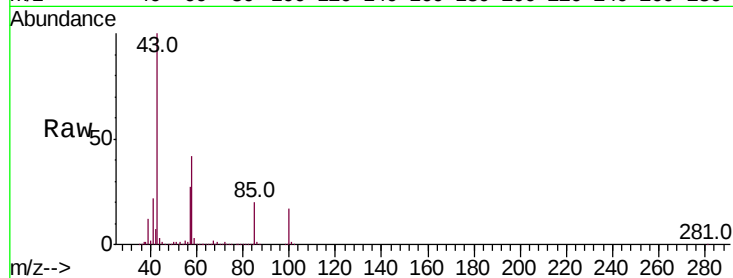
ClientSampleId :

Tot Ion: 43 Resp: 4941142

Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8



#52

Toluene

Concen: 99.897 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057293.D

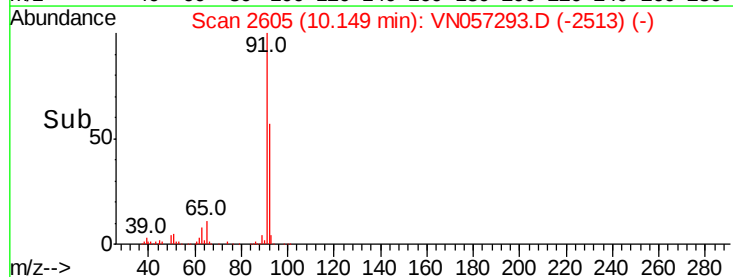
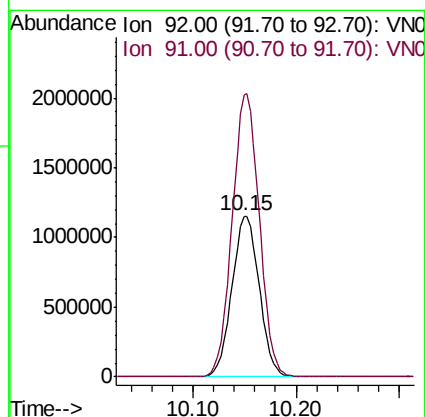
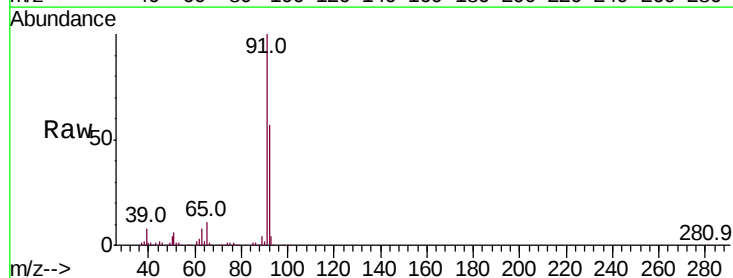
Acq: 14 Aug 2019 17:51

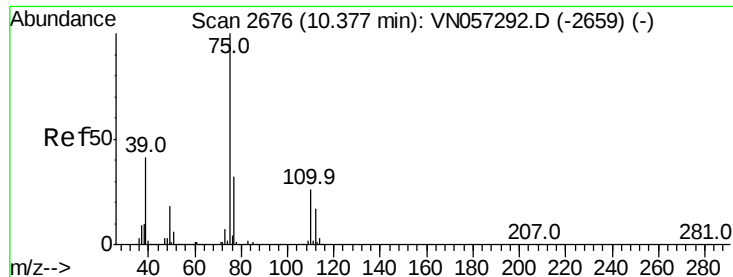
Tgt Ion: 92 Resp: 2126249

Ion Ratio Lower Upper

92 100

91 175.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 109.109 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

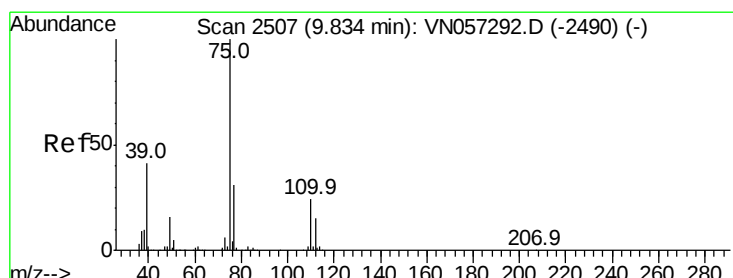
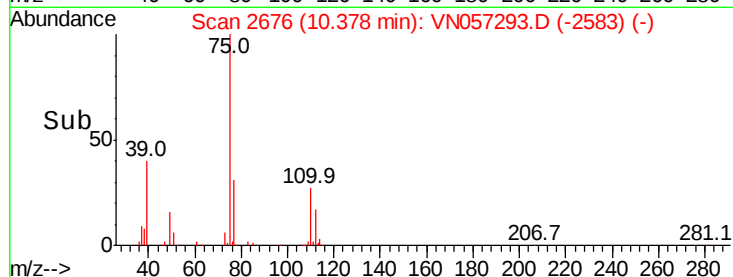
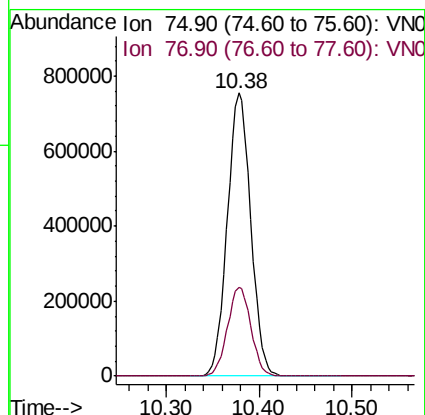
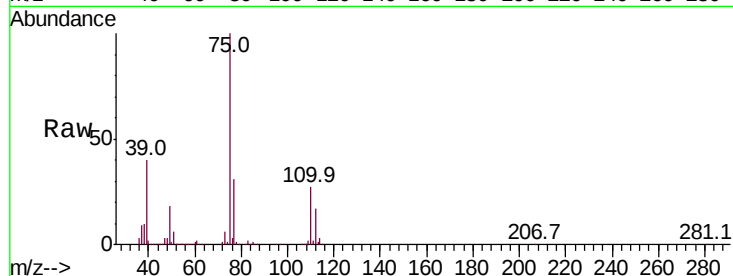
ClientSampleId :

Tot Ion: 75 Resp: 1319641

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 104.583 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

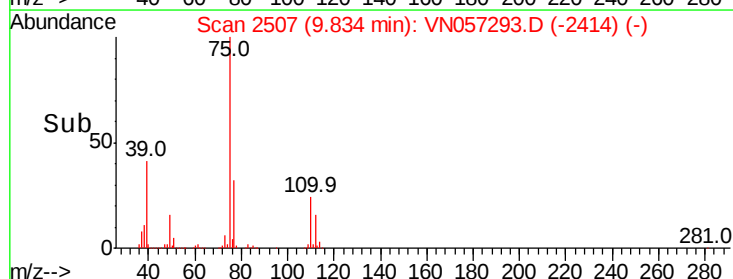
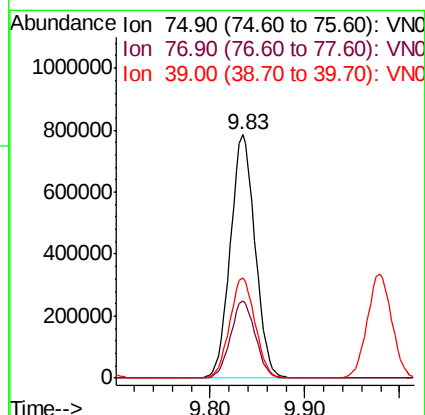
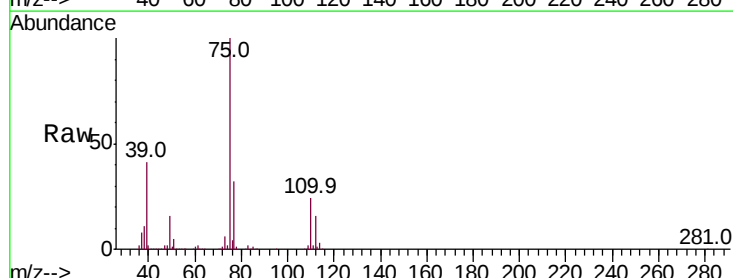
Tgt Ion: 75 Resp: 1425057

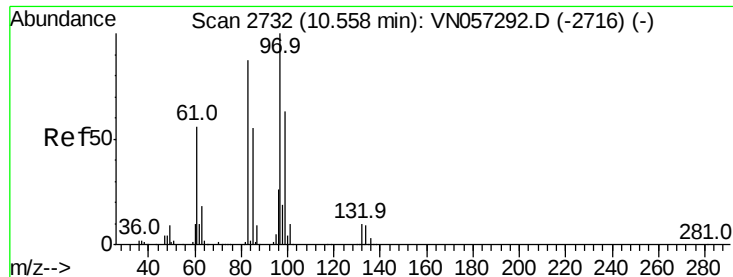
Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

39 41.1 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 100.604 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057293.D

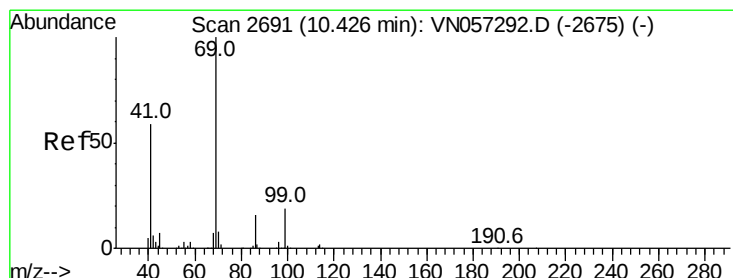
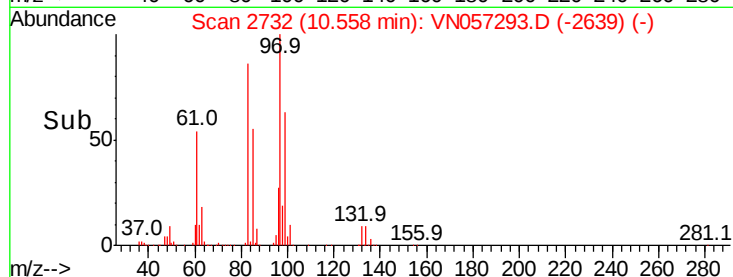
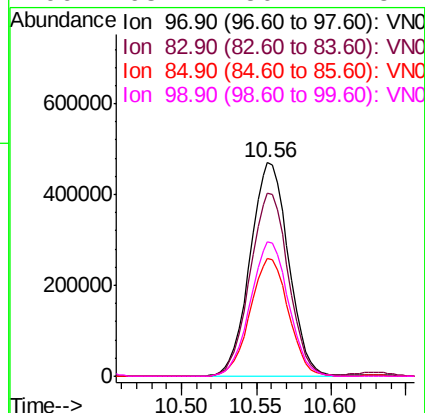
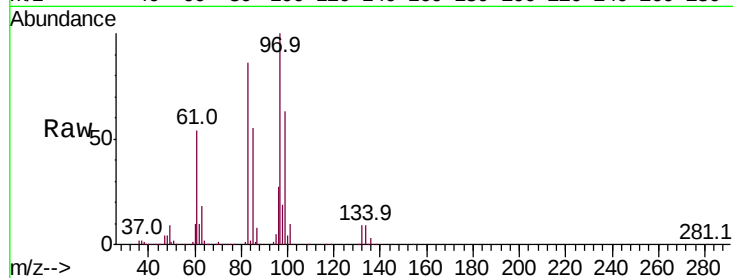
Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	97	Resp:	840447
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.8	104.8
85	55.0	44.1	66.1
99	63.1	50.2	75.2



#56

Ethyl methacrylate

Concen: 111.483 ug/l

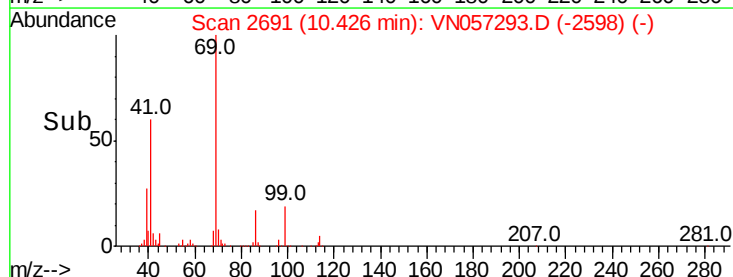
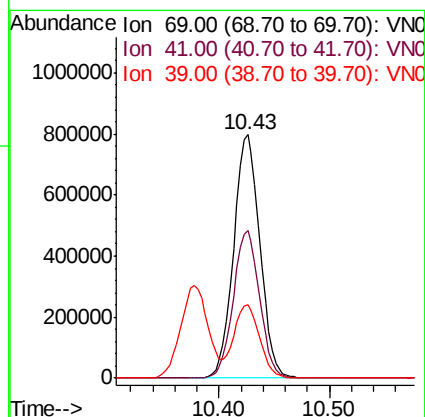
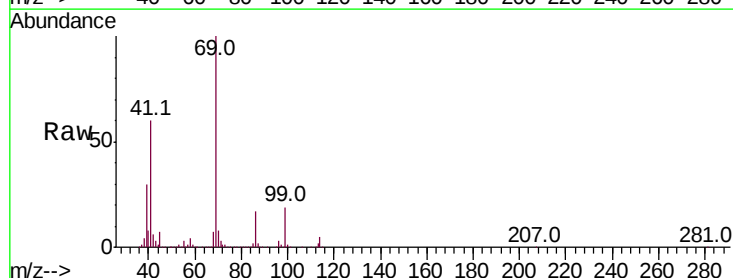
RT: 10.43 min Scan# 2691

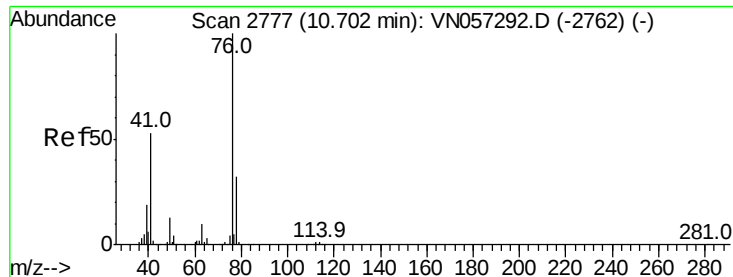
Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tgt Ion:	69	Resp:	1314562
Ion	Ratio	Lower	Upper
69	100		
41	60.4	48.2	72.2
39	29.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 99.622 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

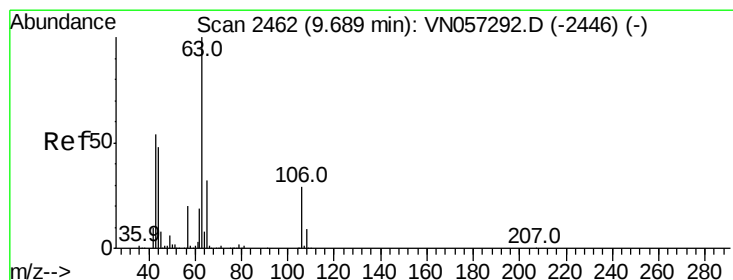
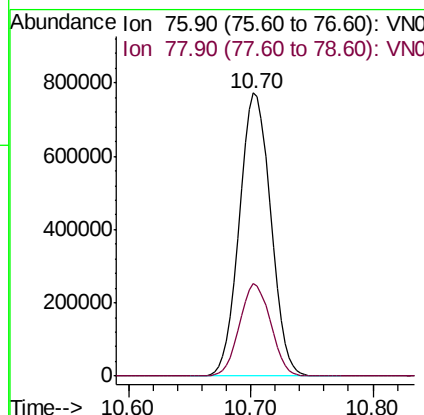
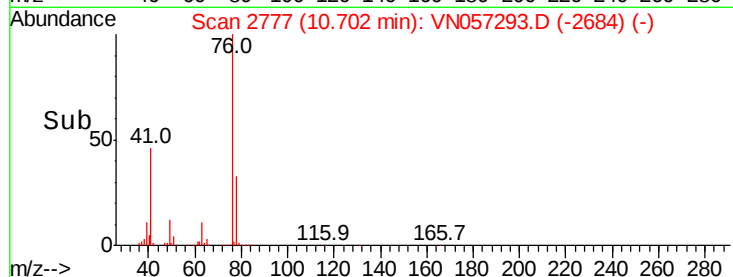
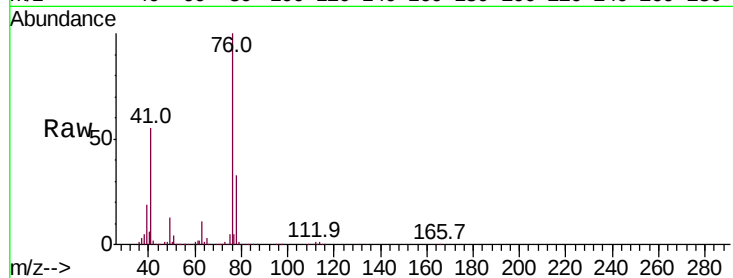
ClientSampleId :

Tot Ion: 76 Resp: 1374146

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 631.793 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057293.D

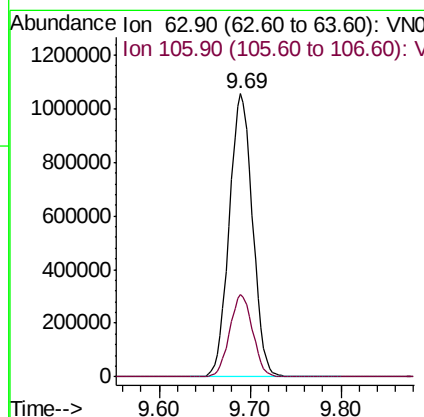
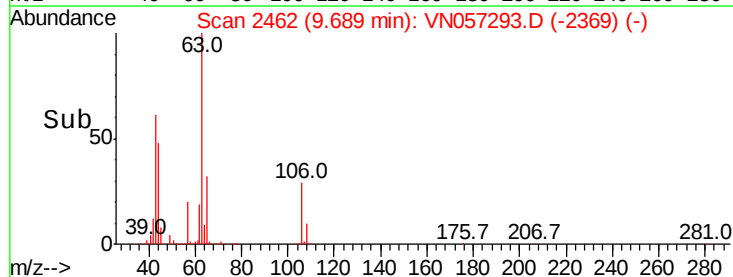
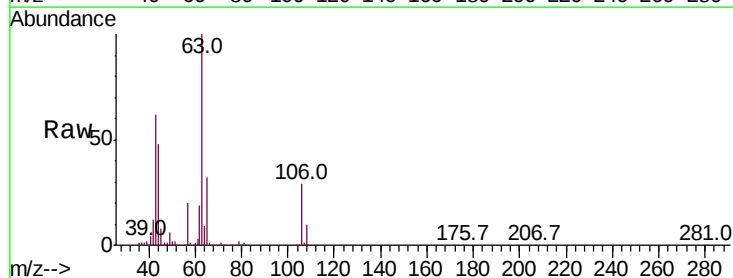
Acq: 14 Aug 2019 17:51

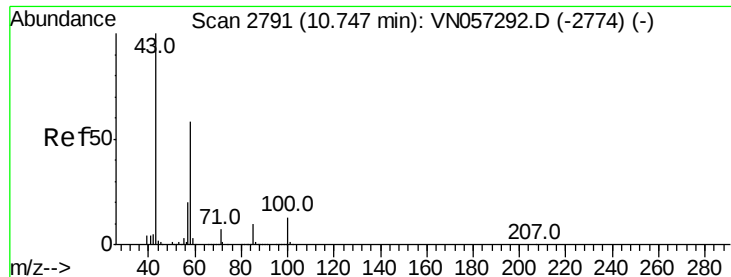
Tgt Ion: 63 Resp: 1873526

Ion Ratio Lower Upper

63 100

106 28.9 23.2 34.8

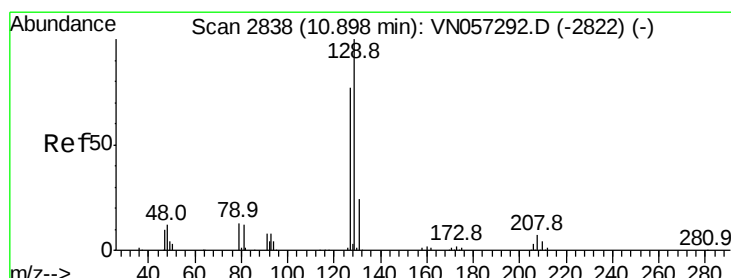
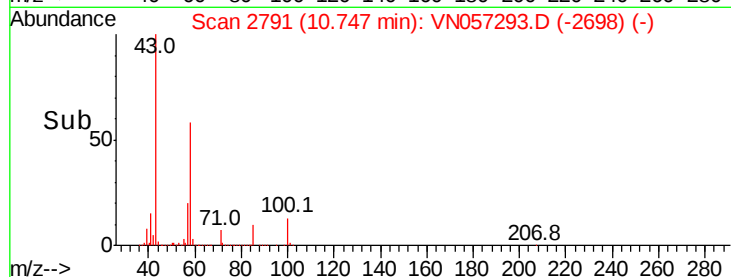
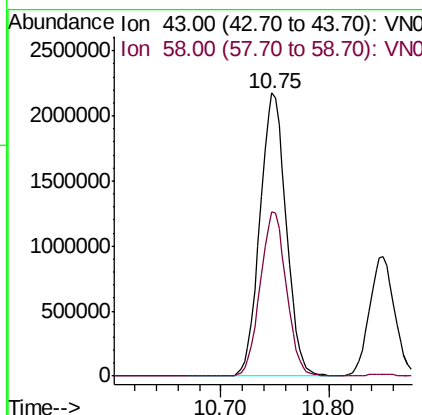
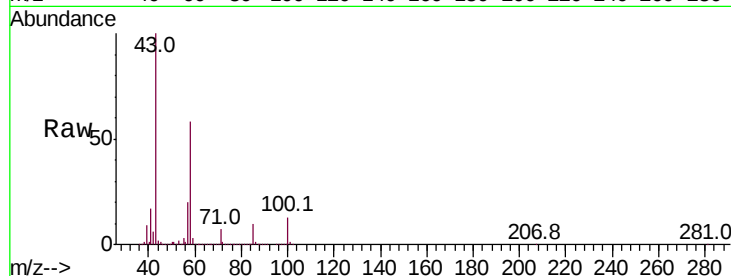




#59
2-Hexanone
Concen: 580.147 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

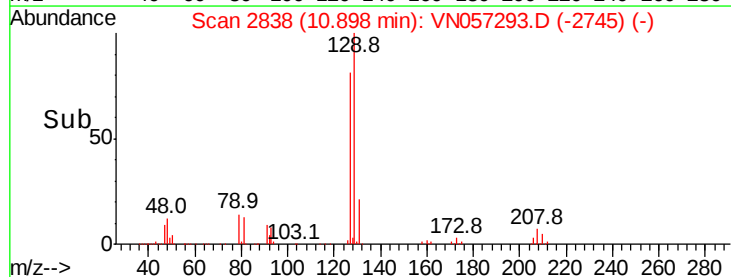
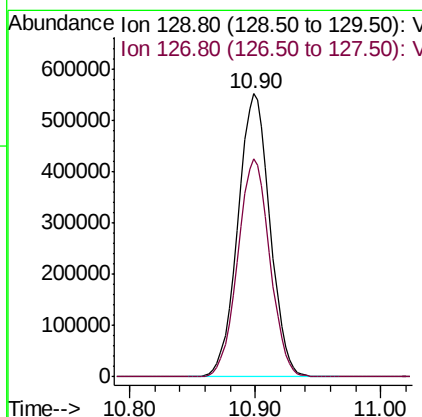
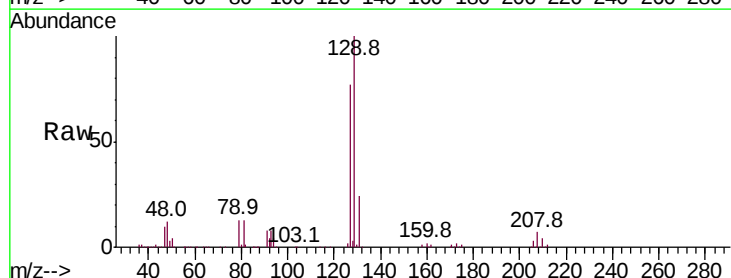
Instrument :
MSVOA_N
ClientSampled :

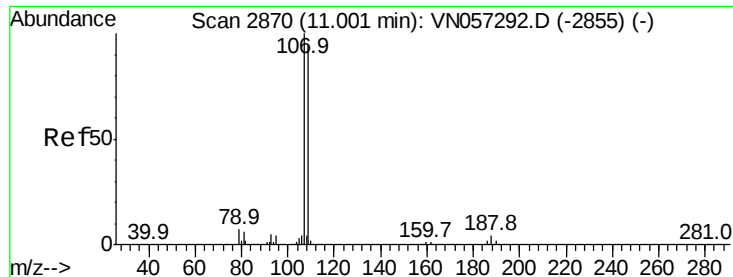
Tot Ion: 43 Resp: 3667114
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.9



#60
Dibromochloromethane
Concen: 104.701 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 129 Resp: 981240
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 104.028 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

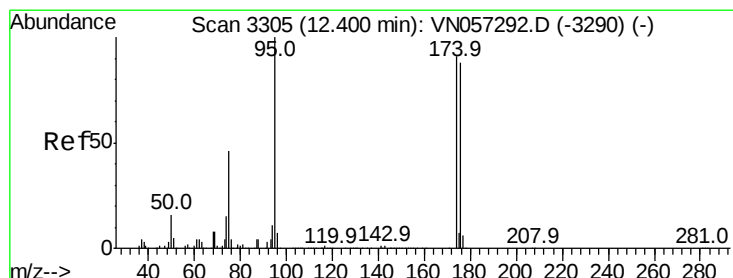
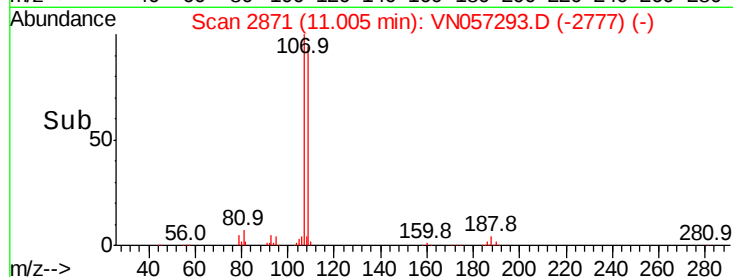
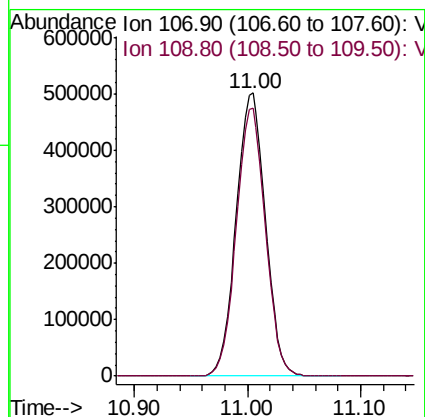
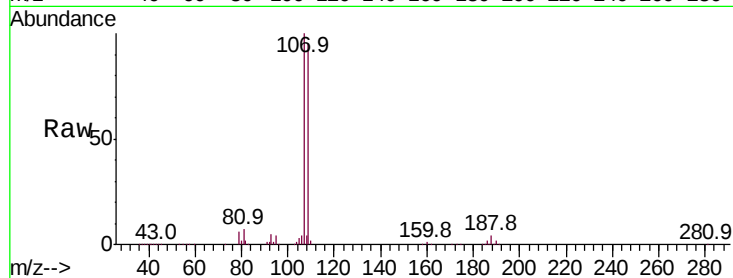
ClientSampled :

Tot Ion:107 Resp: 903005

Ion Ratio Lower Upper

107 100

109 94.0 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 111.383 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

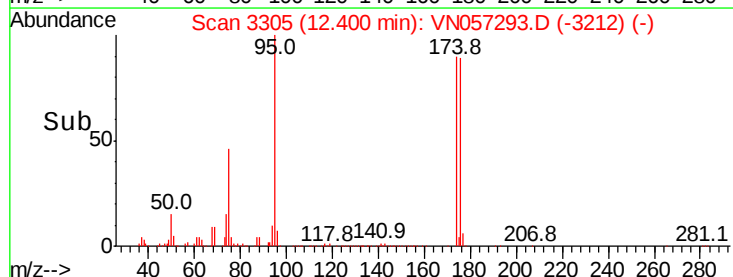
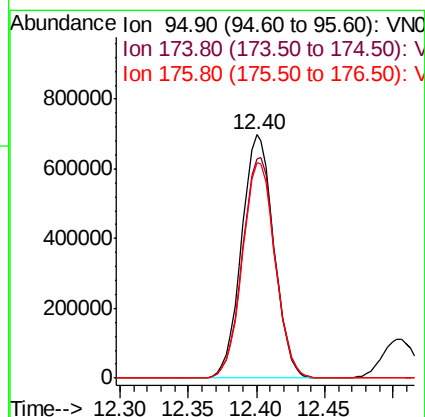
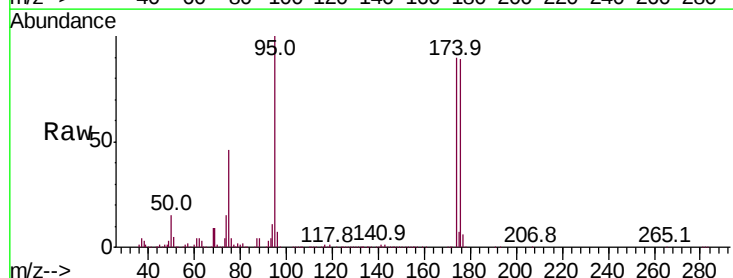
Tgt Ion: 95 Resp: 1146150

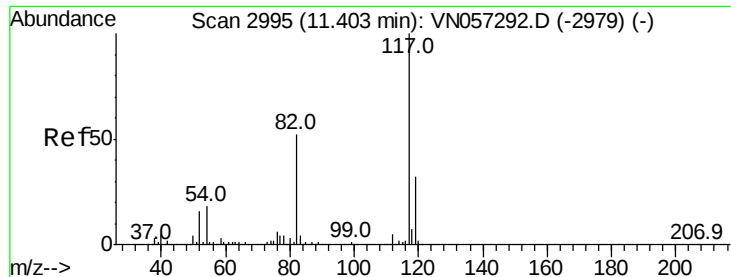
Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.0

176 89.5 0.0 181.0

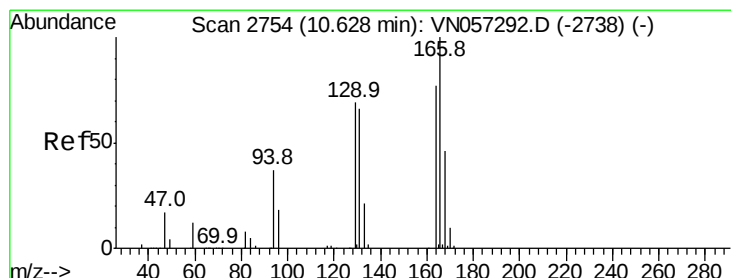
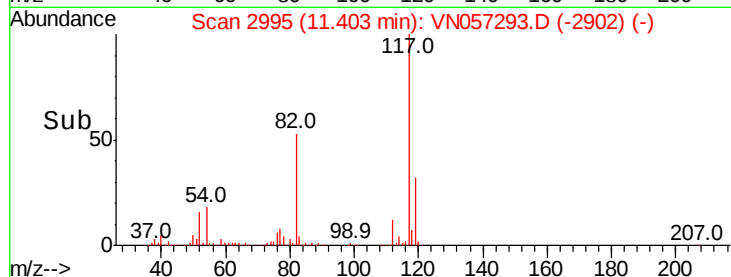
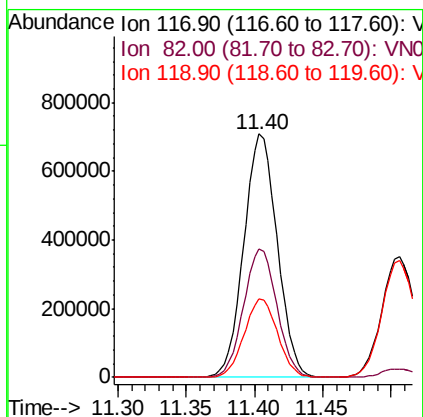
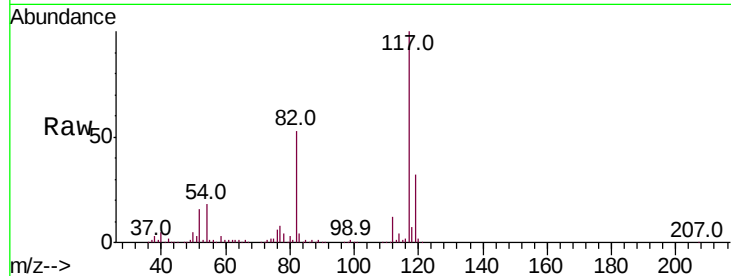




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

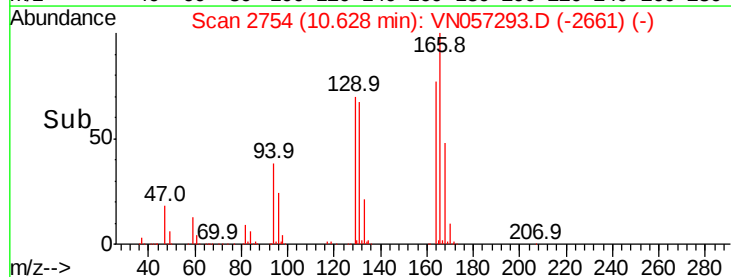
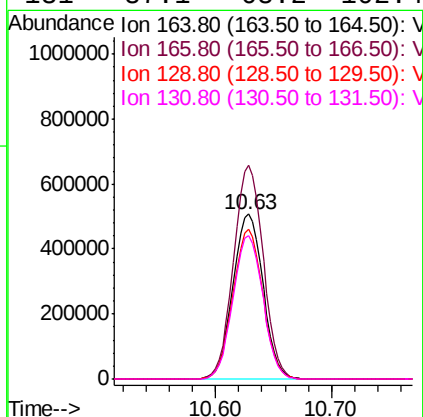
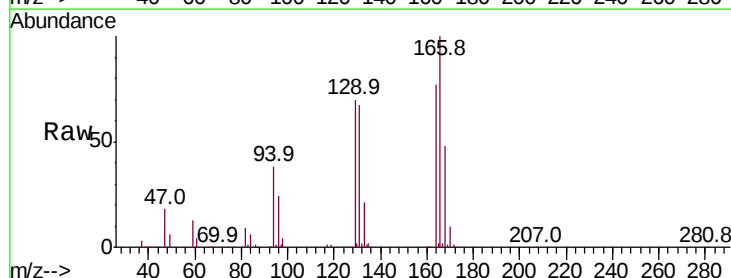
Instrument :
MSVOA_N
ClientSampled :

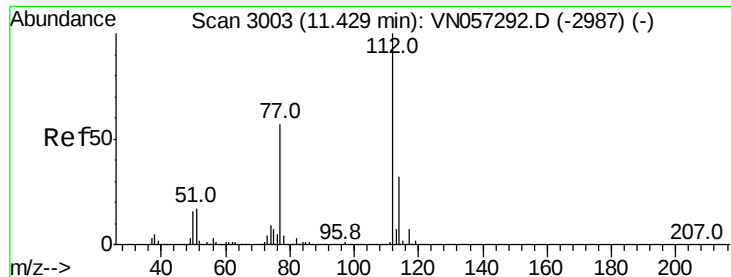
Tot Ion:117 Resp: 1205822
Ion Ratio Lower Upper
117 100
82 52.7 41.2 61.8
119 32.2 25.8 38.8



#64
Tetrachloroethene
Concen: 85.992 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion:164 Resp: 911561
Ion Ratio Lower Upper
164 100
166 129.4 103.5 155.3
129 90.7 71.2 106.8
131 87.1 68.2 102.4





#65

Chlorobenzene

Concen: 96.981 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

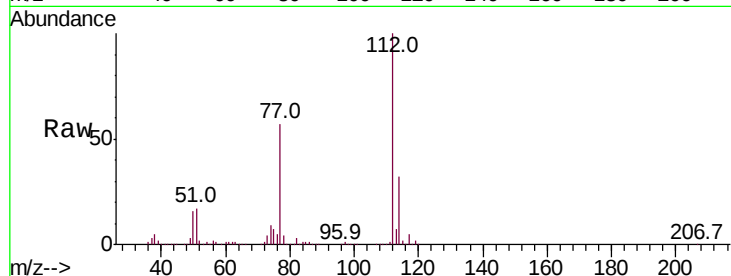
ClientSampleId :

Tot Ion:112 Resp: 2380730

Ion Ratio Lower Upper

112 100

114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

1500000

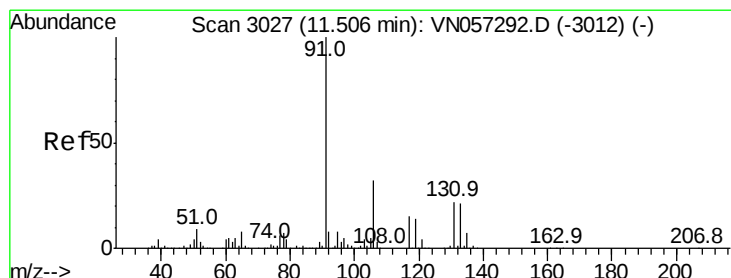
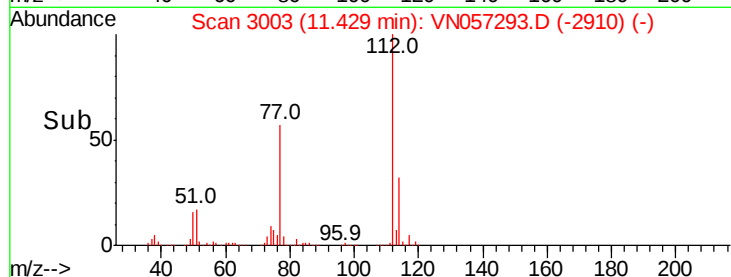
1000000

500000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 94.967 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

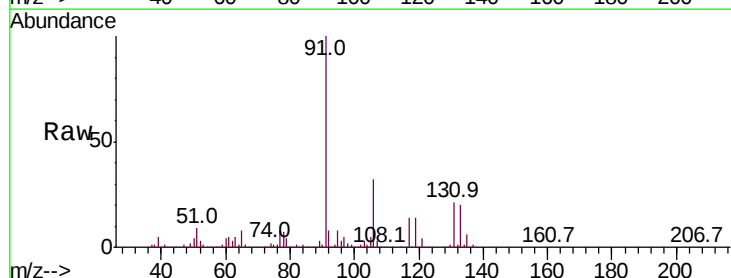
Tgt Ion:131 Resp: 900606

Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.8

119 65.1 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

11.51

600000

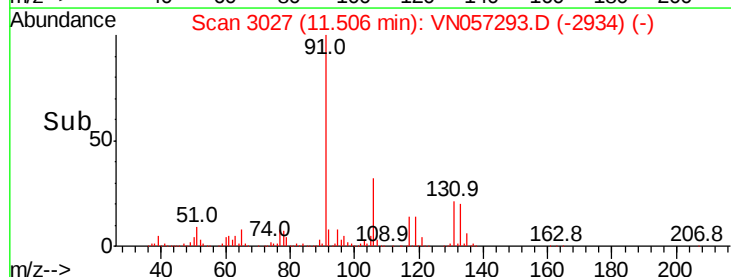
400000

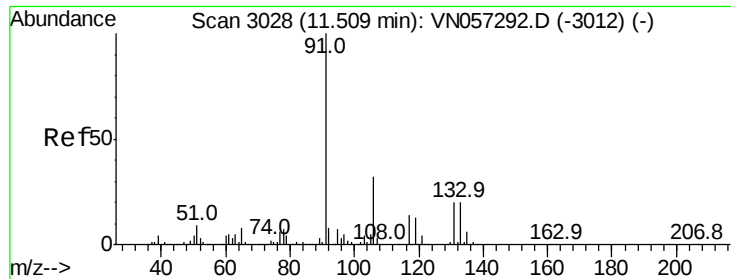
200000

0

Time-->

11.40 11.50 11.60





#67

Ethyl Benzene

Concen: 100.410 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

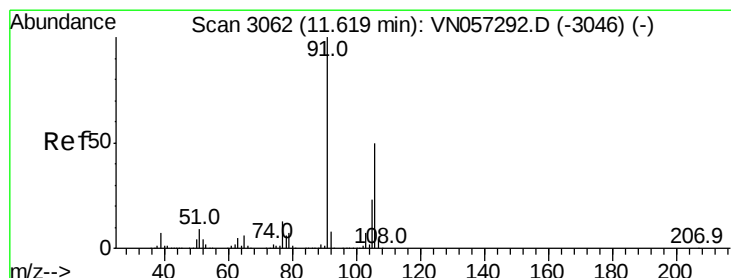
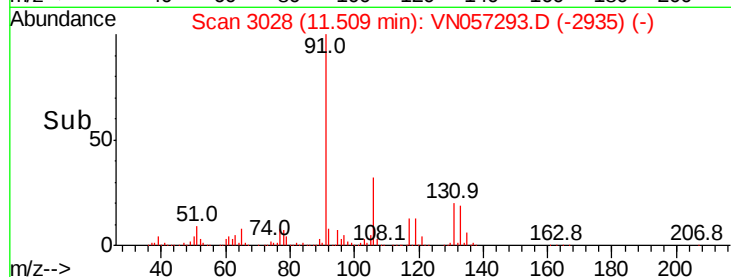
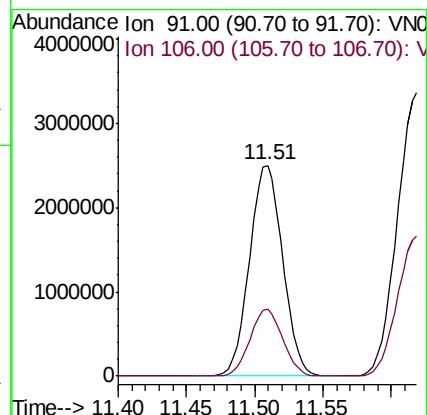
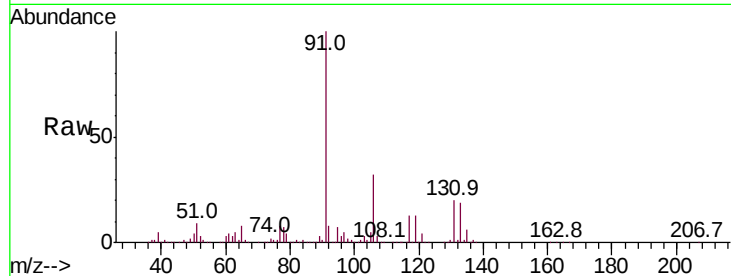
ClientSampleId :

Tot Ion: 91 Resp: 4219162

Ion Ratio Lower Upper

91 100

106 31.7 25.5 38.3



#68

m/p-Xylenes

Concen: 204.524 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057293.D

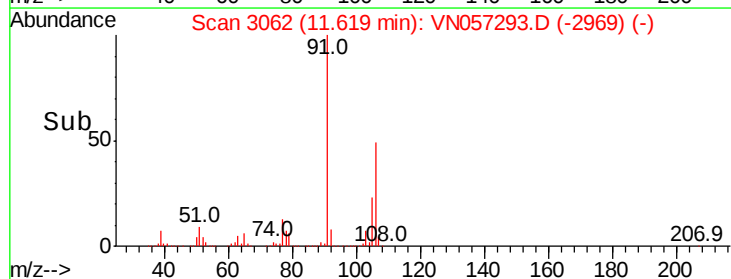
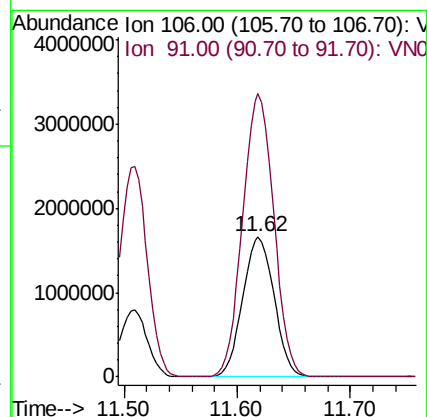
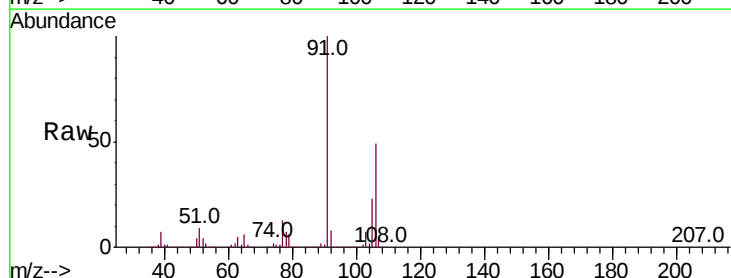
Acq: 14 Aug 2019 17:51

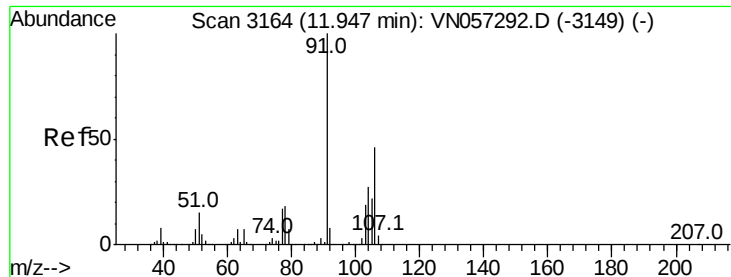
Tgt Ion: 106 Resp: 3210292

Ion Ratio Lower Upper

106 100

91 201.0 161.5 242.3

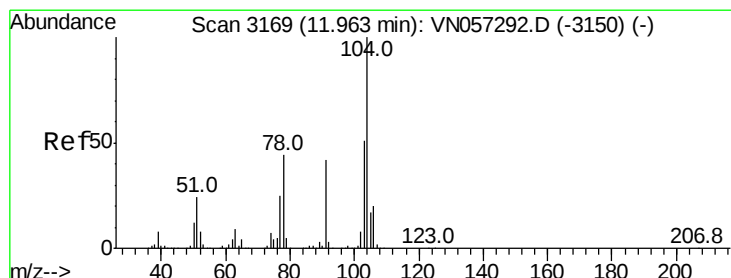
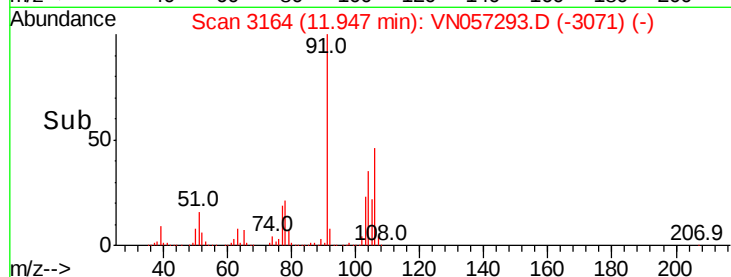
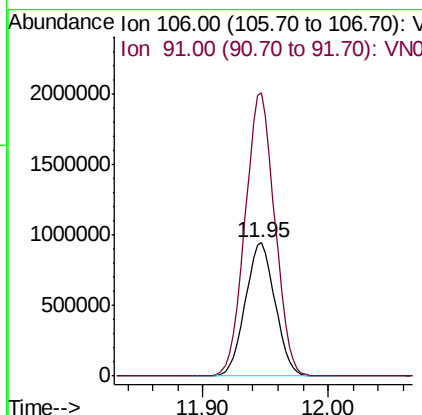
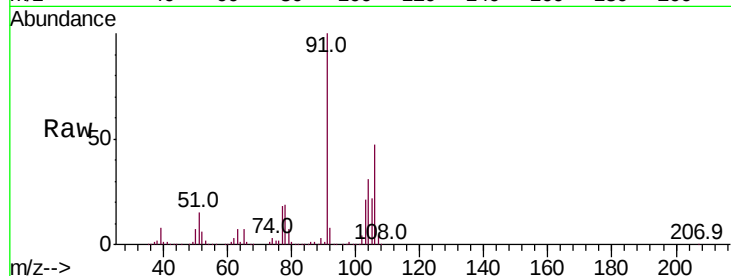




#69
o-Xylene
Concen: 101.852 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

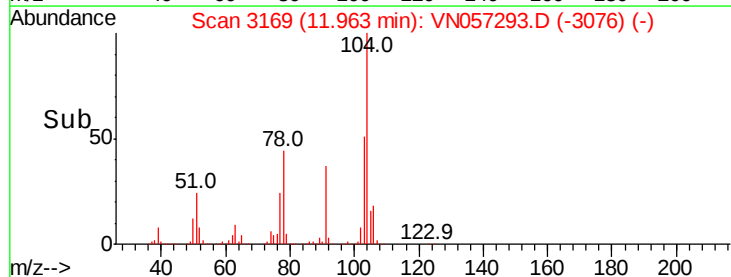
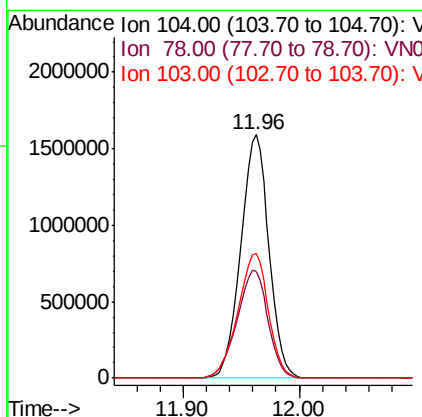
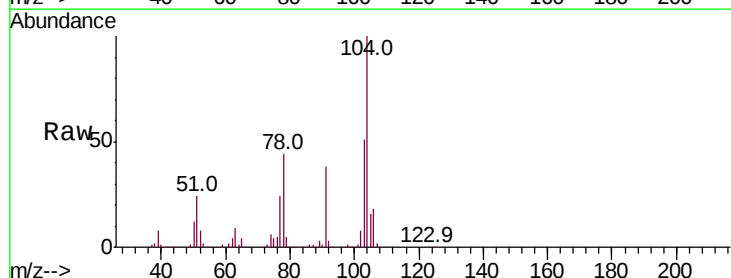
Instrument :
MSVOA_N
ClientSampled :

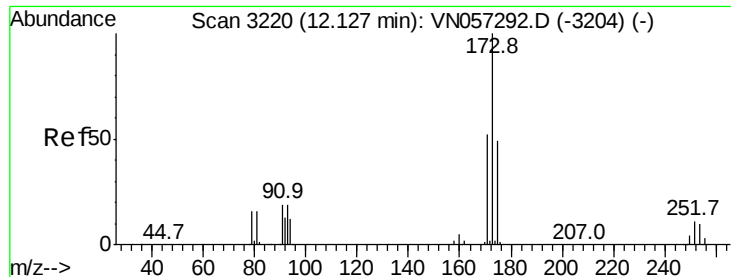
Tot Ion:106 Resp: 1567339
Ion Ratio Lower Upper
106 100
91 211.7 106.3 319.0



#70
Styrene
Concen: 112.372 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion:104 Resp: 2673224
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.6 44.6 66.8





#71

Bromoform

Concen: 108.669 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

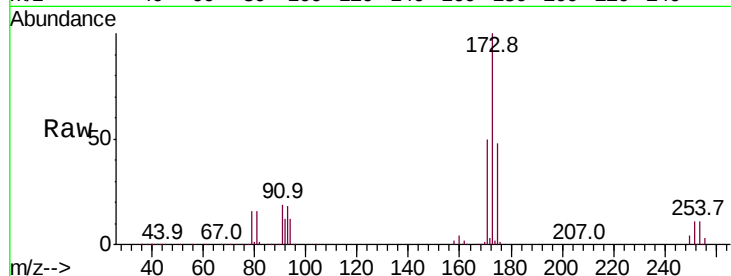
Tot Ion:173 Resp: 792213

Ion Ratio Lower Upper

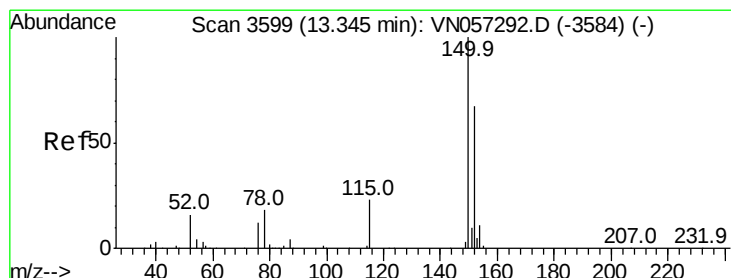
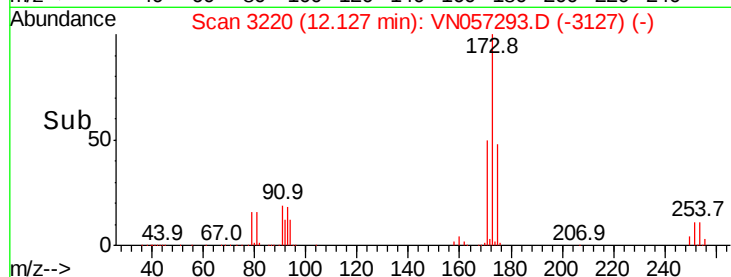
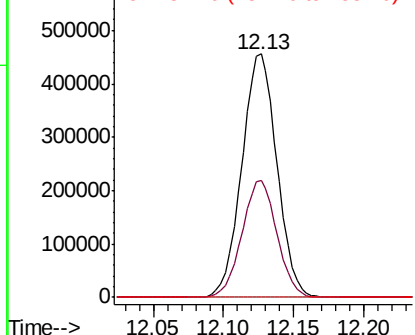
173 100

175 47.9 24.2 72.6

254 0.2 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: VN057293.D

Acq: 14 Aug 2019 17:51

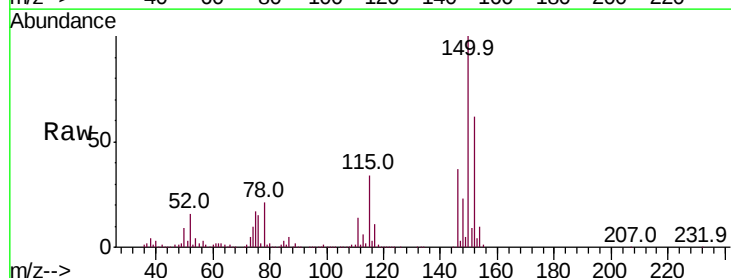
Tgt Ion:152 Resp: 571561

Ion Ratio Lower Upper

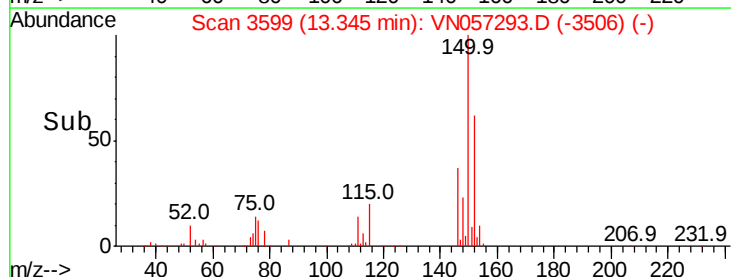
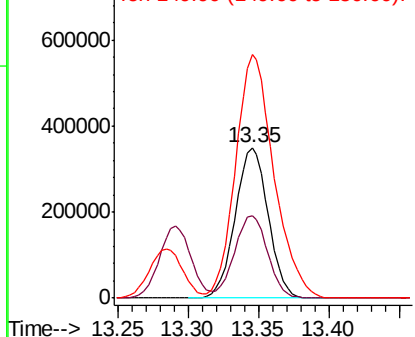
152 100

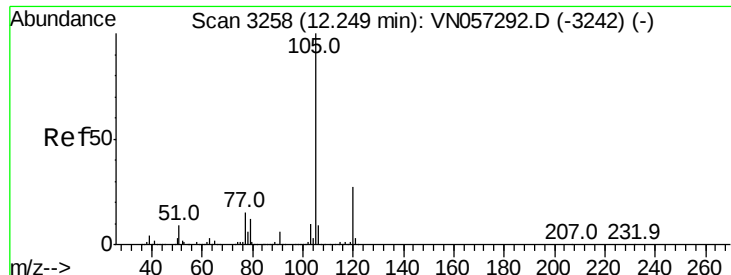
115 55.4 27.3 81.9

150 188.0 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: 78.737 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

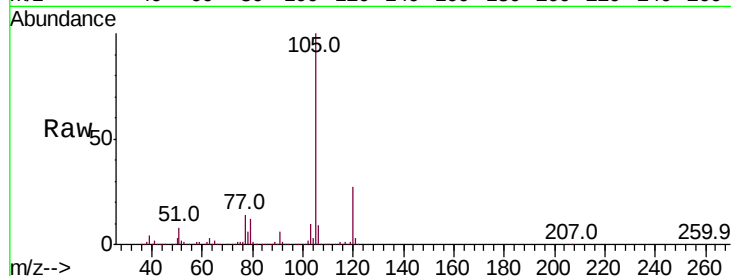
ClientSampleId :

Tot Ion:105 Resp: 4173649

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000000

2500000

2000000

1500000

1000000

500000

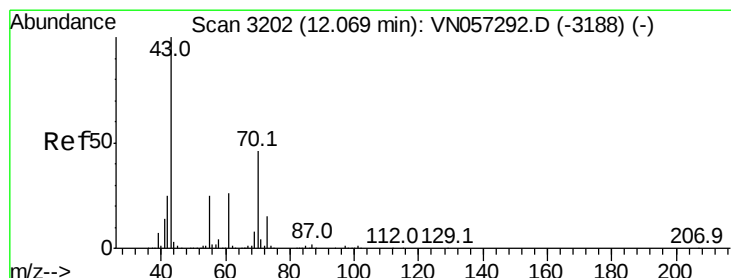
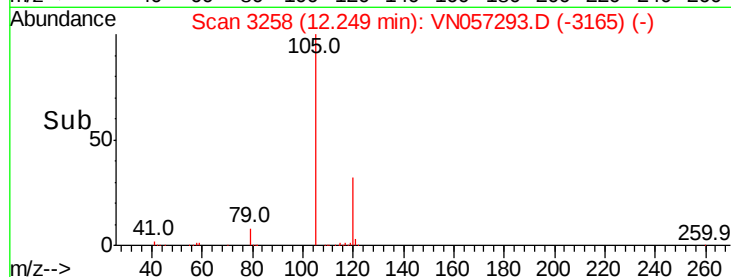
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 92.502 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Tgt Ion: 43 Resp: 1430767

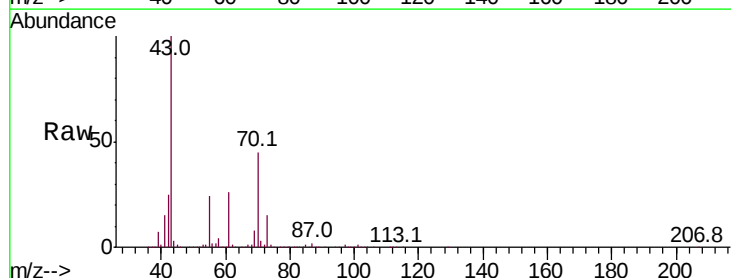
Ion Ratio Lower Upper

43 100

70 45.2 36.2 54.2

55 24.7 20.1 30.1

61 26.1 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1500000

1000000

500000

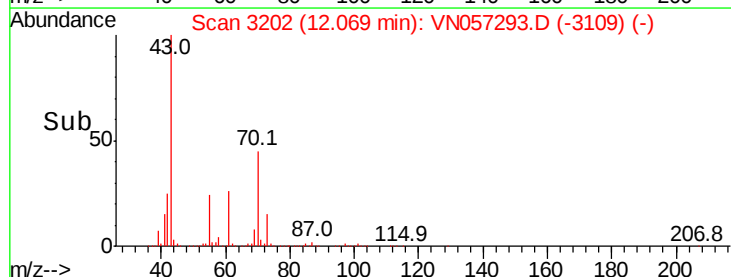
0

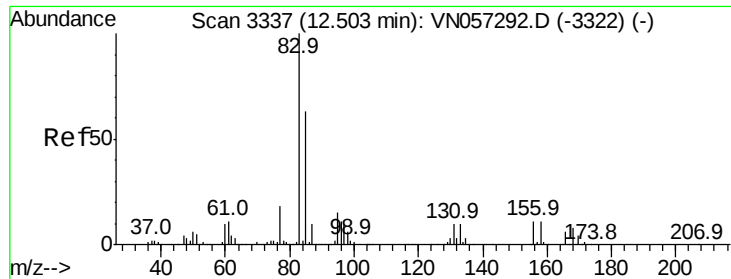
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 78.618 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

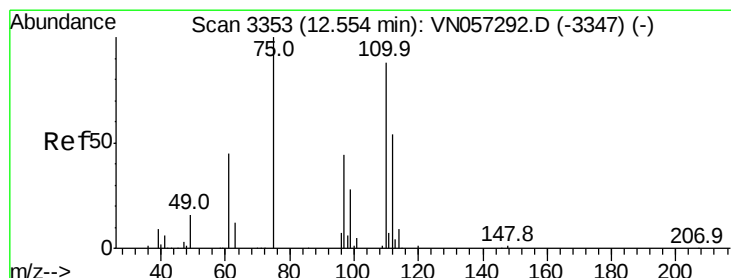
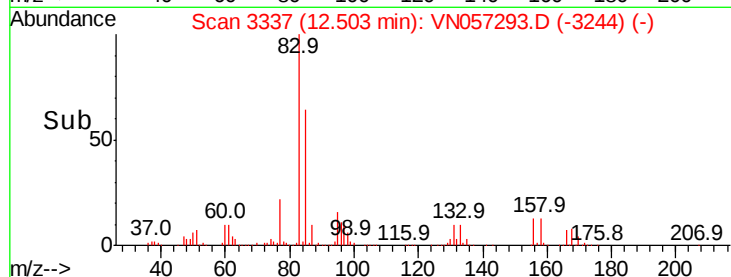
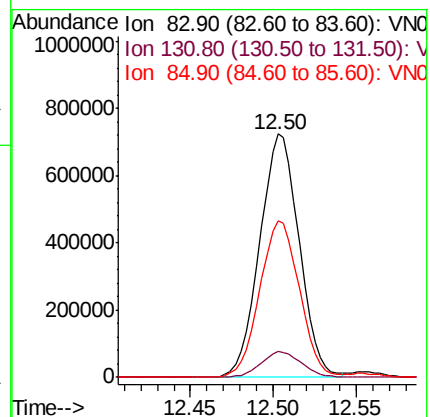
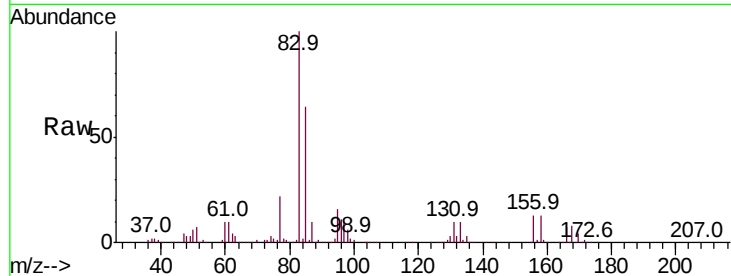
Tot Ion: 83 Resp: 1196213

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.7	32.3	96.9

83 100

131 10.8 5.4 16.2

85 64.7 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 128.658 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057293.D

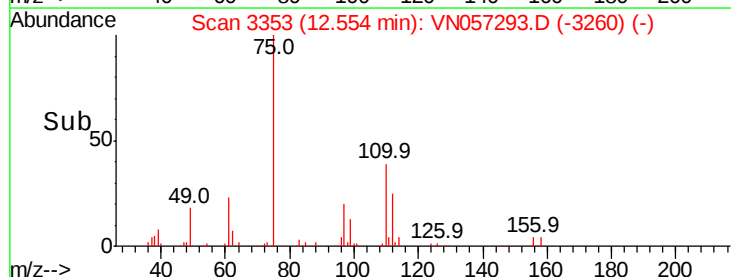
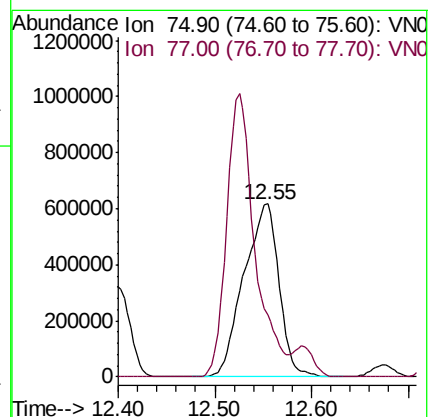
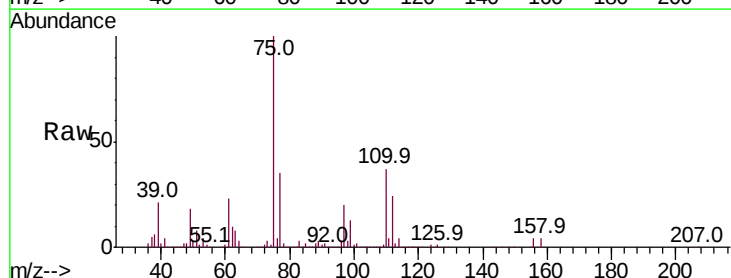
Acq: 14 Aug 2019 17:51

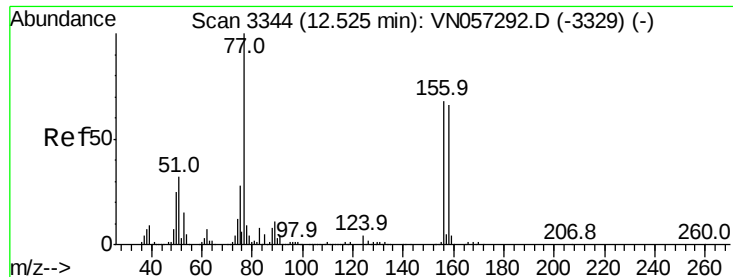
Tgt Ion: 75 Resp: 1555520

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 79.365 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

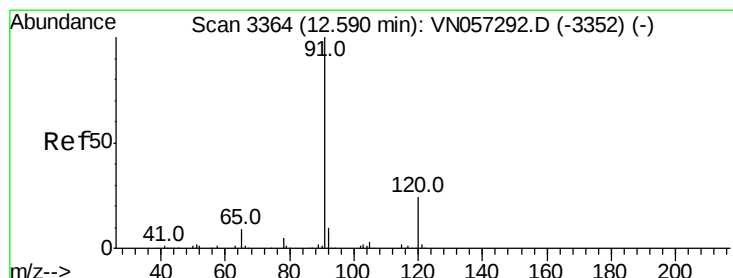
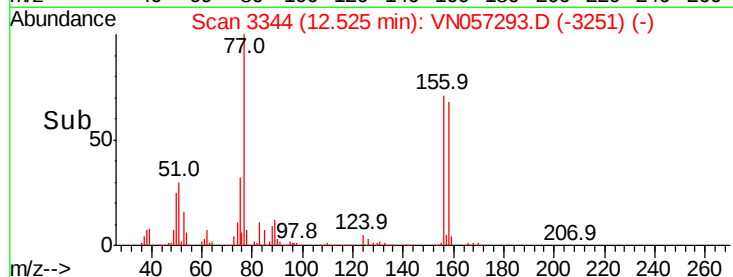
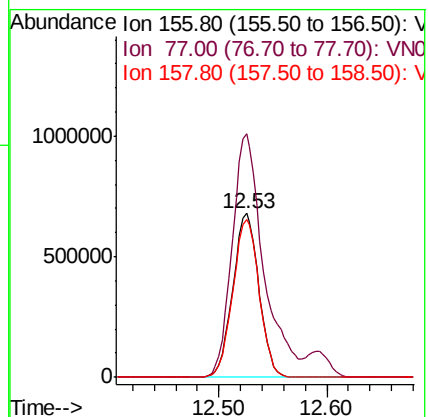
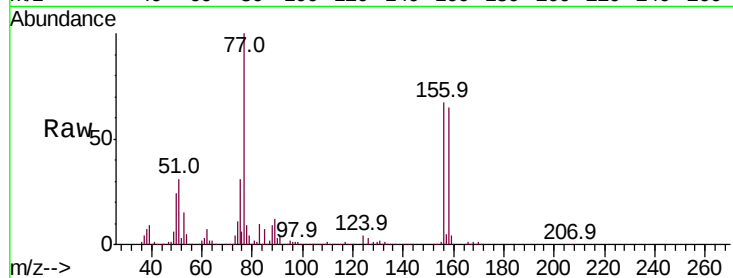
ClientSampled :

Tot Ion:156 Resp: 1145135

Ion	Ratio	Lower	Upper
156	100		
77	179.7	89.8	269.6
158	97.3	49.3	147.8

77 179.7 89.8 269.6

158 97.3 49.3 147.8



#78

n-propylbenzene

Concen: 86.807 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057293.D

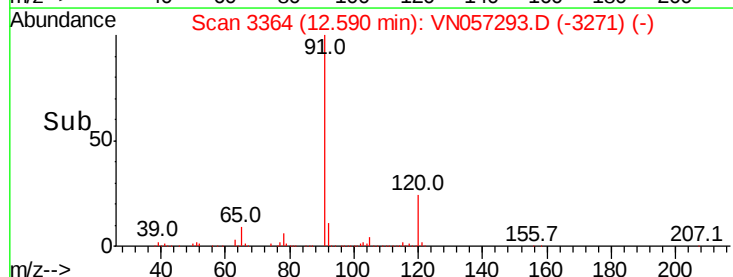
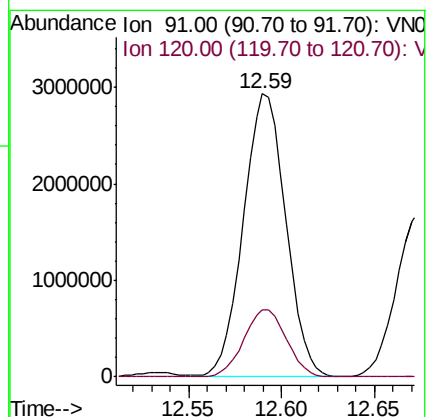
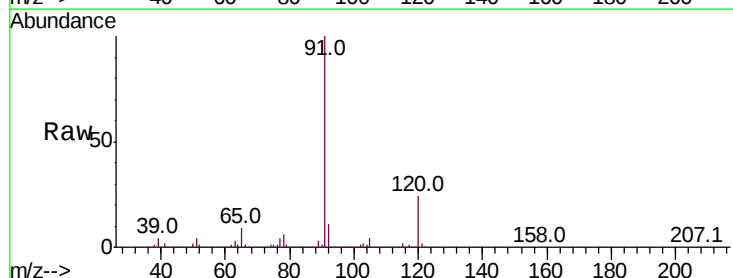
Acq: 14 Aug 2019 17:51

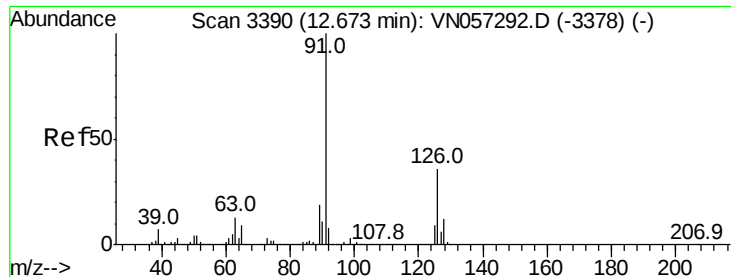
Tgt Ion: 91 Resp: 4633130

Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.7

91 100

120 24.0 11.9 35.7





#79

2-Chlorotoluene

Concen: 82.458 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

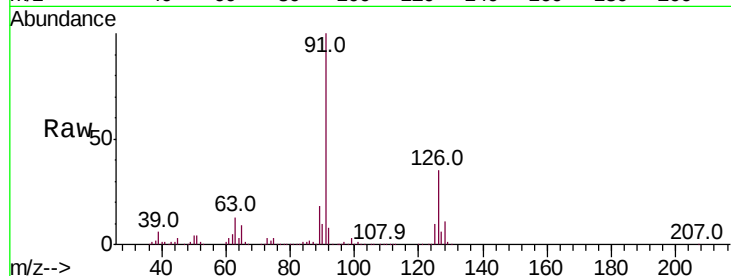
ClientSampleId :

Tot Ion: 91 Resp: 2813114

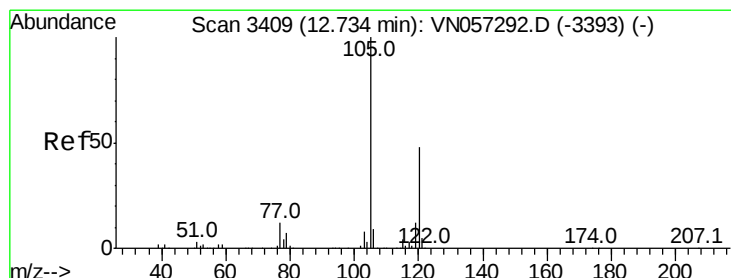
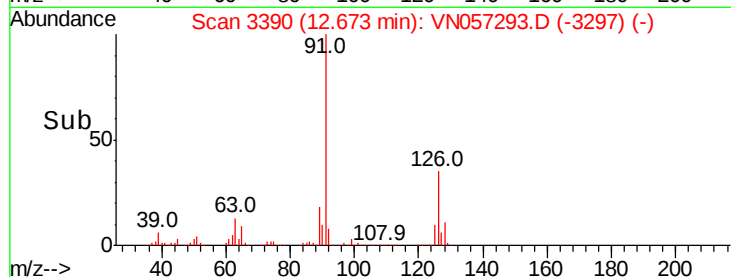
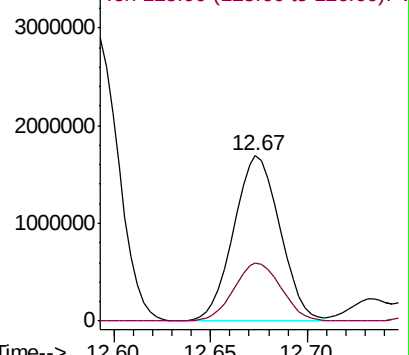
Ion Ratio Lower Upper

91 100

126 35.9 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN057293.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 83.672 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057293.D

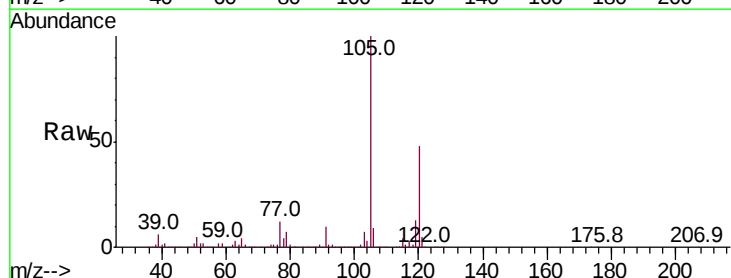
Acq: 14 Aug 2019 17:51

Tgt Ion:105 Resp: 3596450

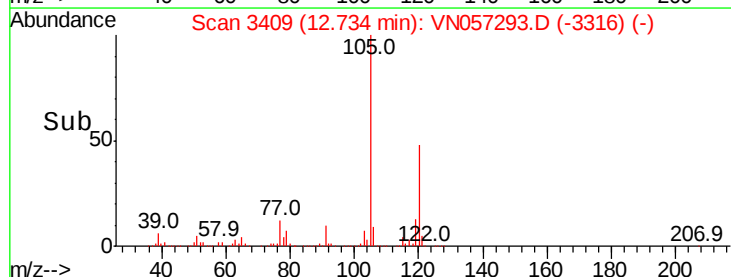
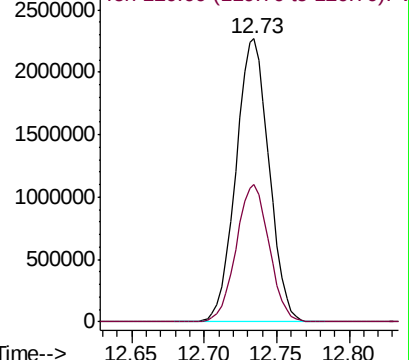
Ion Ratio Lower Upper

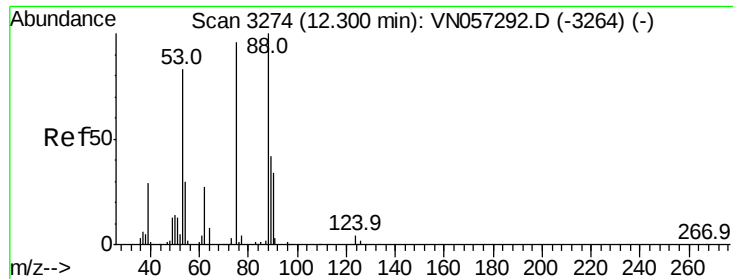
105 100

120 48.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057293.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 97.394 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

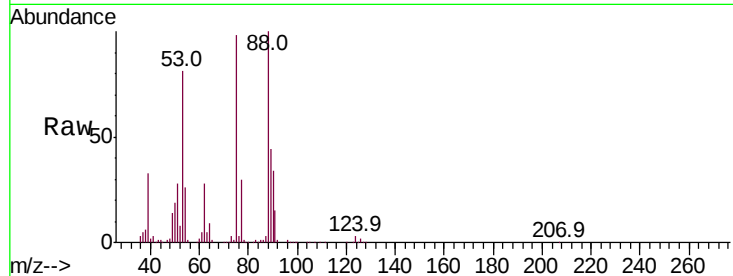
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 419671

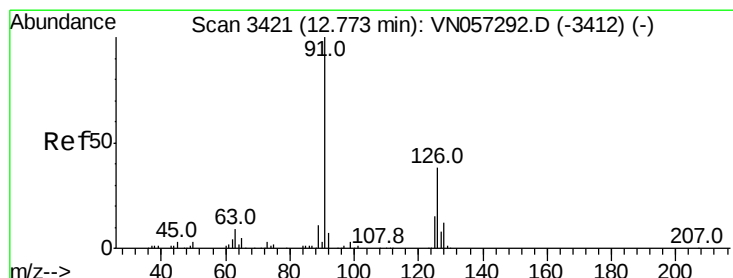
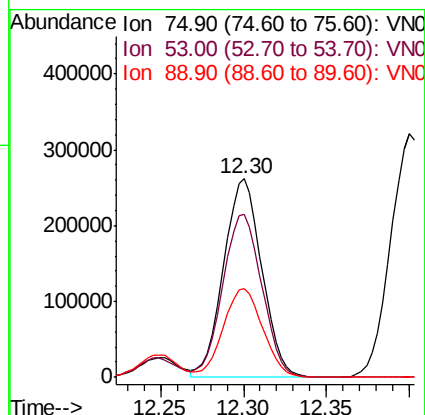
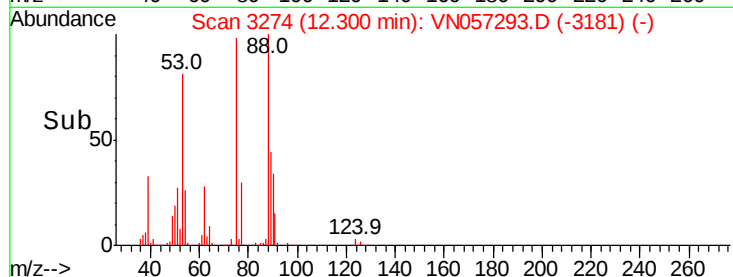
Ion	Ratio	Lower	Upper
75	100		
53	83.6	67.9	101.9
89	46.0	36.2	54.4



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 53.00 (52.70 to 53.70): VNC

Ion 88.90 (88.60 to 89.60): VNC



#82

4-Chlorotoluene

Concen: 89.981 ug/l

RT: 12.77 min Scan# 3421

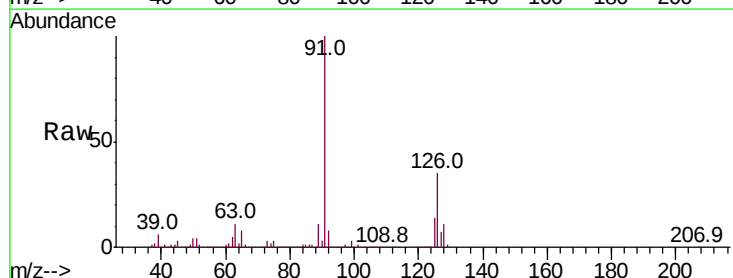
Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

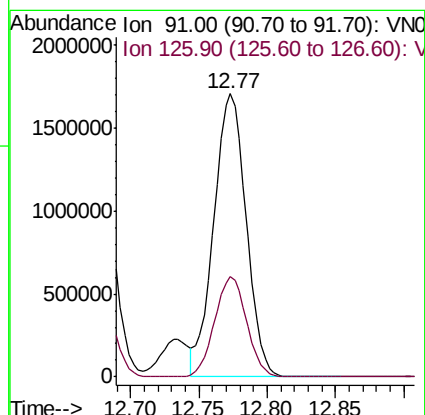
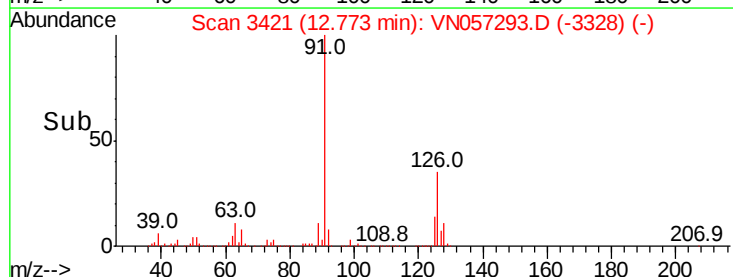
Tgt Ion: 91 Resp: 2810000

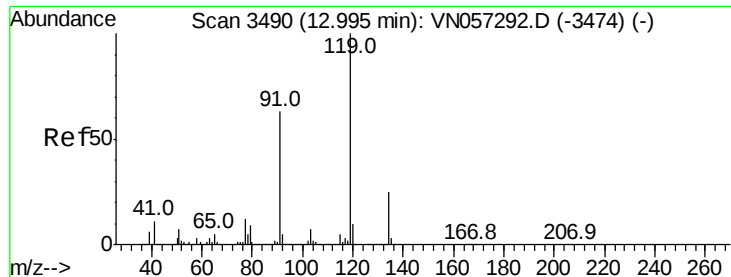
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7



Abundance Ion 91.00 (90.70 to 91.70): VNC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 78.309 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

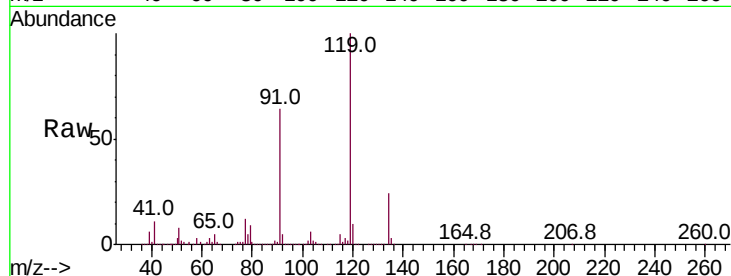
Tot Ion:119 Resp: 3141896

Ion Ratio Lower Upper

119 100

91 62.9 31.3 93.8

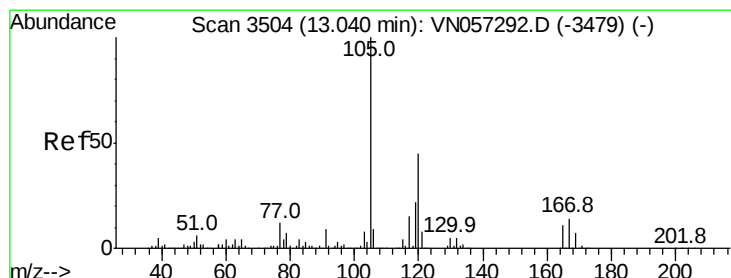
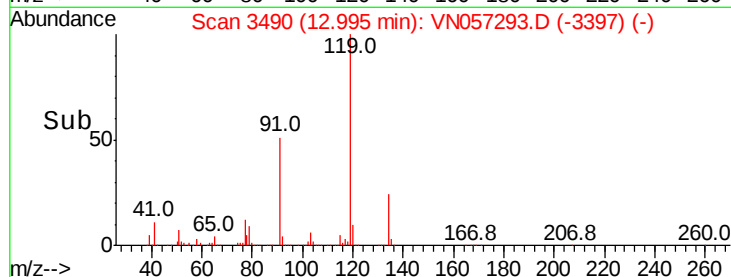
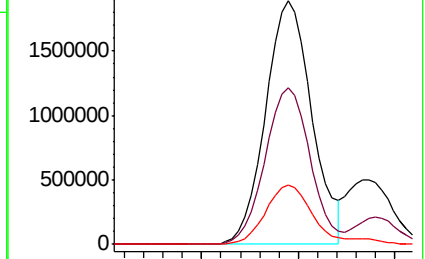
134 25.7 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 86.296 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN057293.D

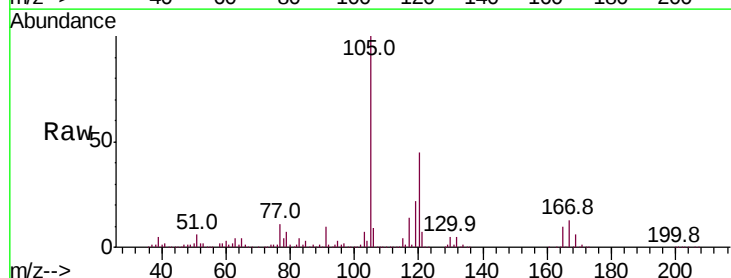
Acq: 14 Aug 2019 17:51

Tgt Ion:105 Resp: 3468952

Ion Ratio Lower Upper

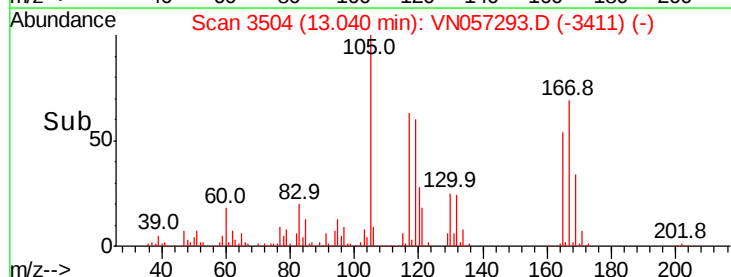
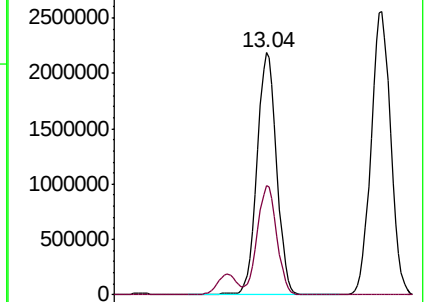
105 100

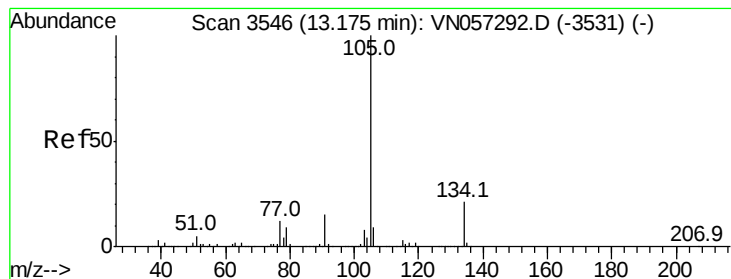
120 44.9 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 84.498 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

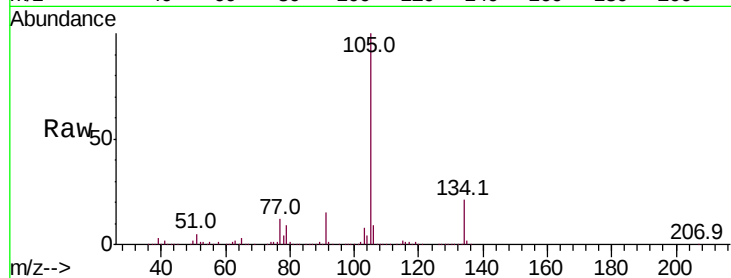
ClientSampled :

Tot Ion:105 Resp: 4060975

Ion Ratio Lower Upper

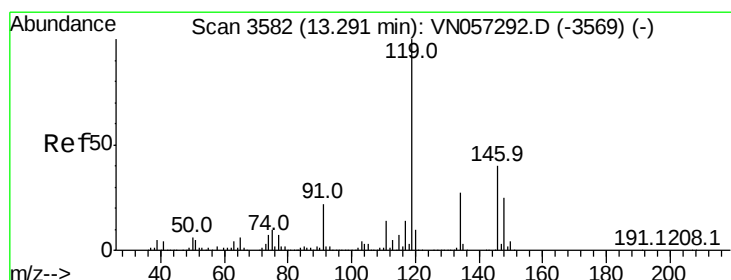
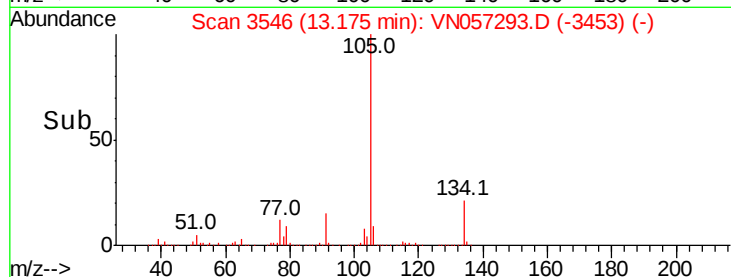
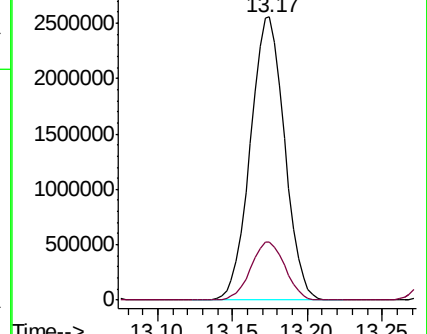
105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 87.777 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

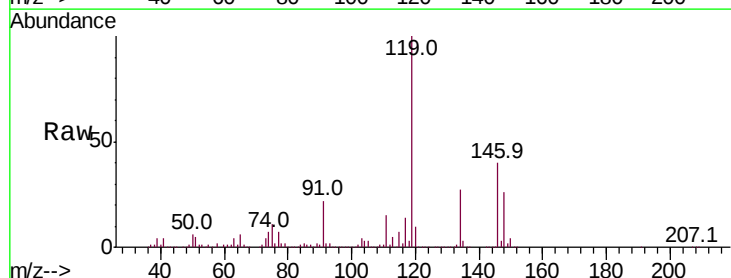
Tgt Ion:119 Resp: 3677866

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

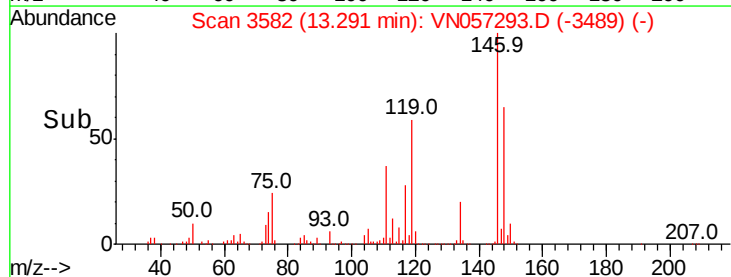
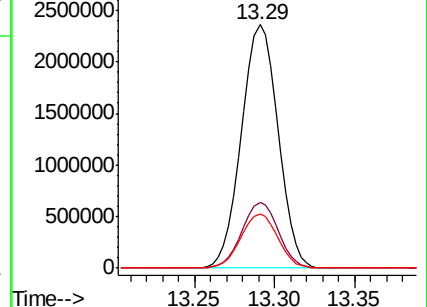
91 22.2 11.2 33.5

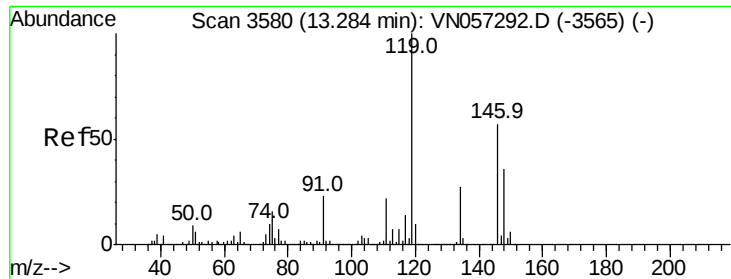


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

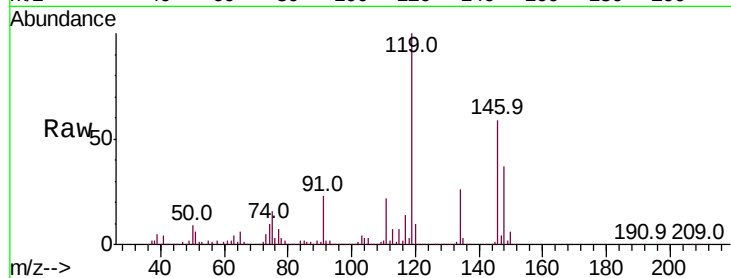




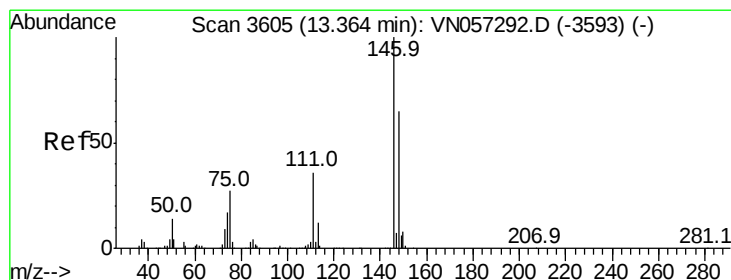
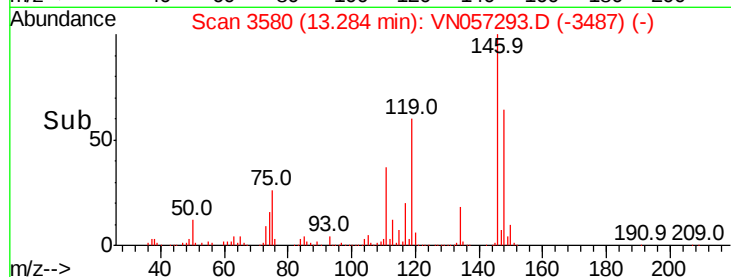
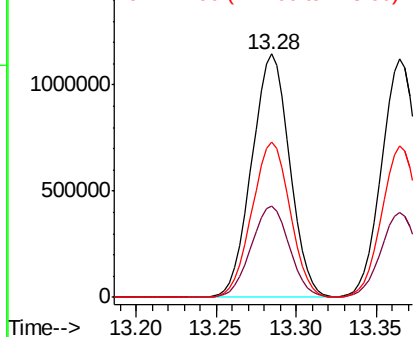
#87
 1,3-Dichlorobenzene
 Concen: 94.344 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 1862204
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.7 56.1
 148 64.2 31.7 95.1

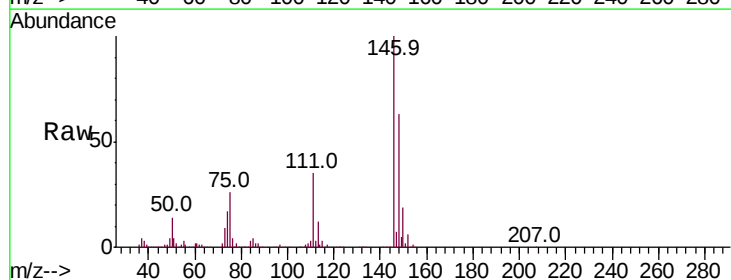


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

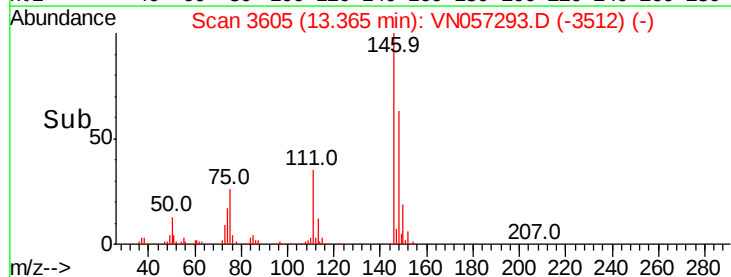
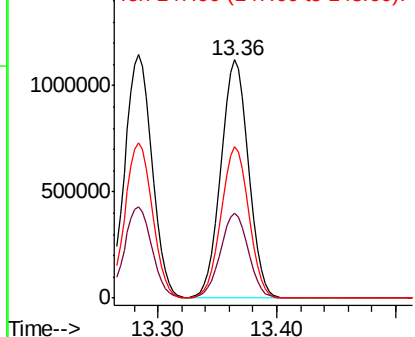


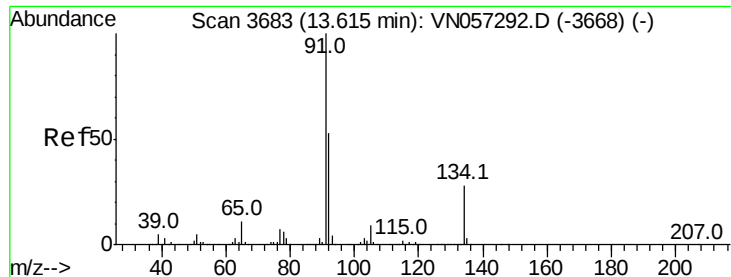
#88
 1,4-Dichlorobenzene
 Concen: 94.228 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion:146 Resp: 1805607
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.4 55.4
 148 63.6 32.5 97.4



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

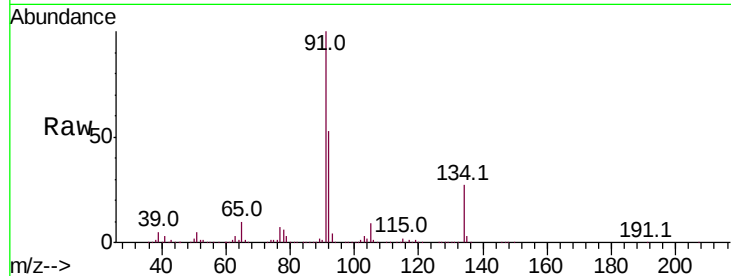




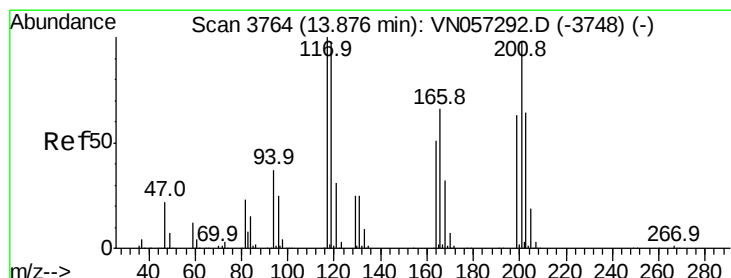
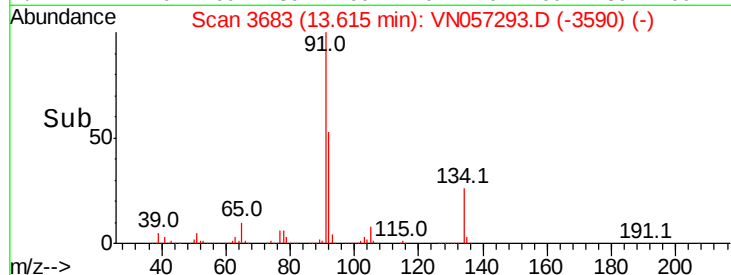
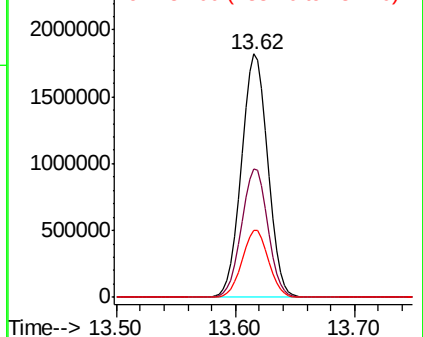
#89
n-Butylbenzene
Concen: 94.610 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 2785973
Ion Ratio Lower Upper
91 100
92 52.9 26.2 78.6
134 27.6 13.9 41.7

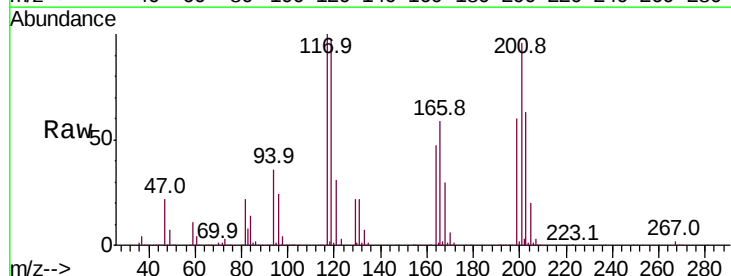


Abundance Ion 91.00 (90.70 to 91.70): VN057293.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN057293.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN057293.D (-3668) (-)

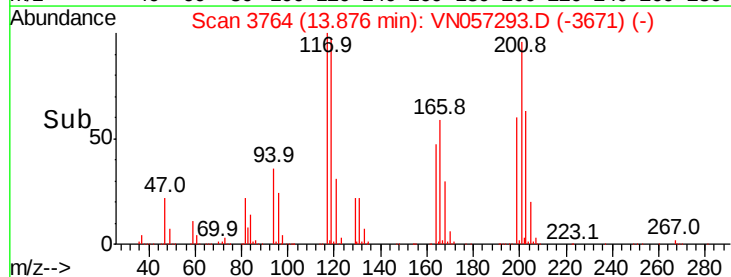
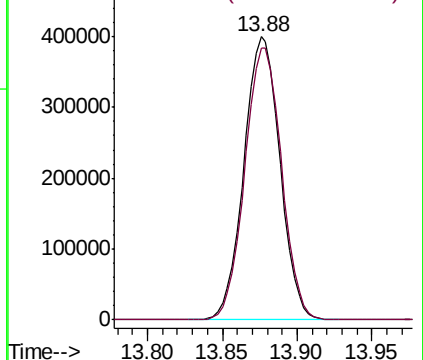


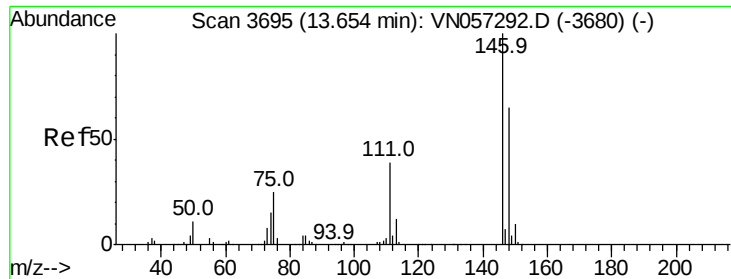
#90
Hexachloroethane
Concen: 81.799 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057293.D
Acq: 14 Aug 2019 17:51

Tgt Ion: 117 Resp: 669771
Ion Ratio Lower Upper
117 100
201 97.7 48.4 145.0



Abundance Ion 116.80 (116.50 to 117.50): VN057293.D (-3748) (-)
Ion 200.70 (200.40 to 201.40): VN057293.D (-3748) (-)

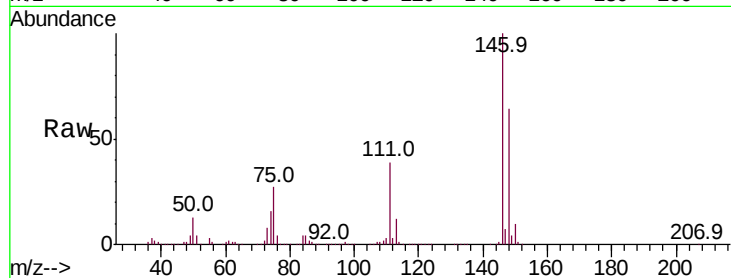




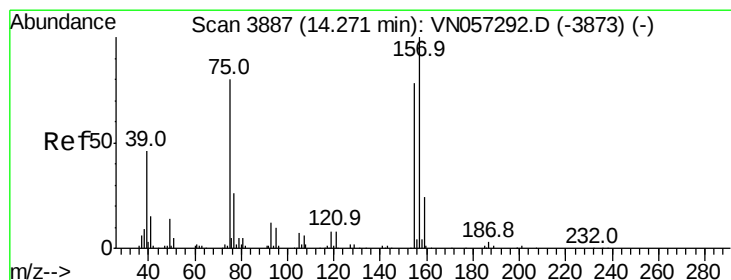
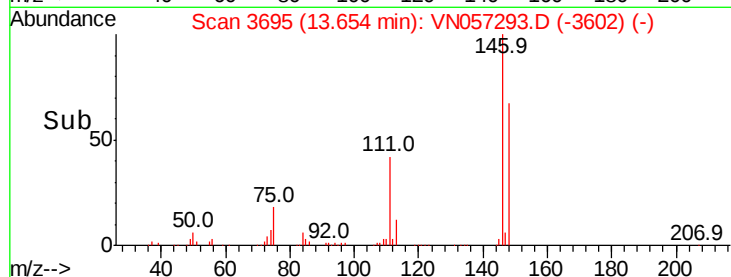
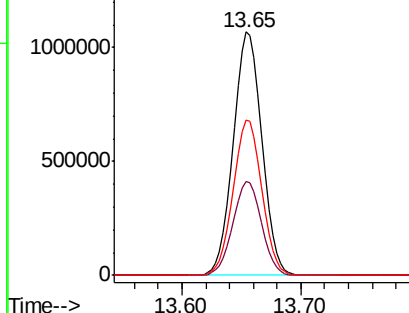
#91
 1,2-Dichlorobenzene
 Concen: 92.730 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1780093
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.7 59.1
 148 63.9 32.0 96.0

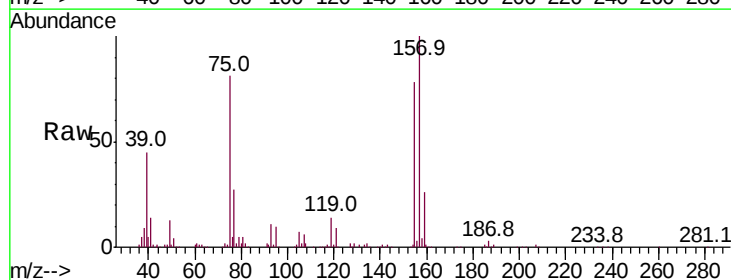


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

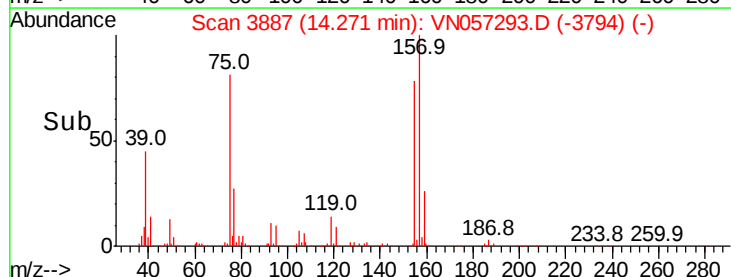
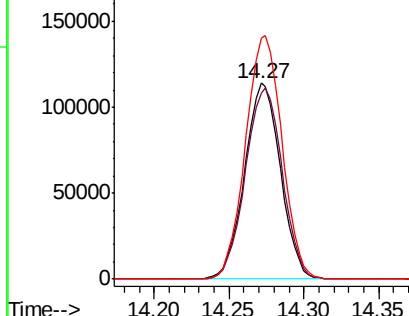


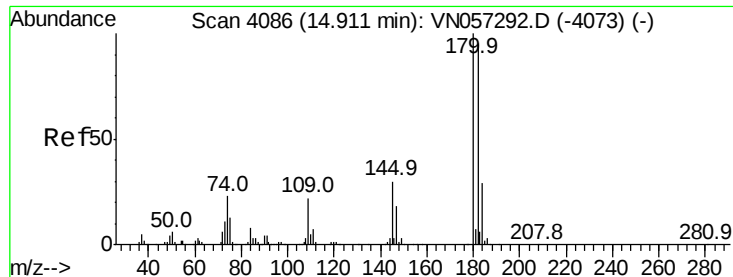
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 99.499 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057293.D
 Acq: 14 Aug 2019 17:51

Tgt Ion: 75 Resp: 190347
 Ion Ratio Lower Upper
 75 100
 155 100.4 49.6 148.8
 157 126.1 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: 108.869 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

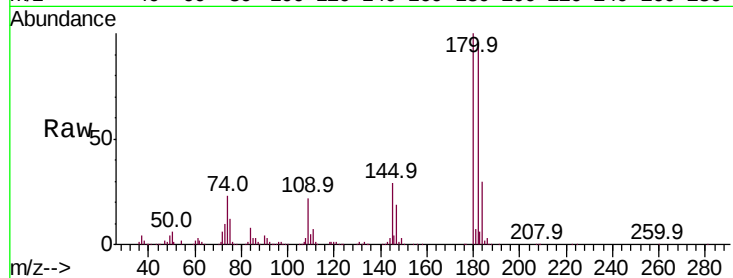
Tot Ion:180 Resp: 750011

Ion Ratio Lower Upper

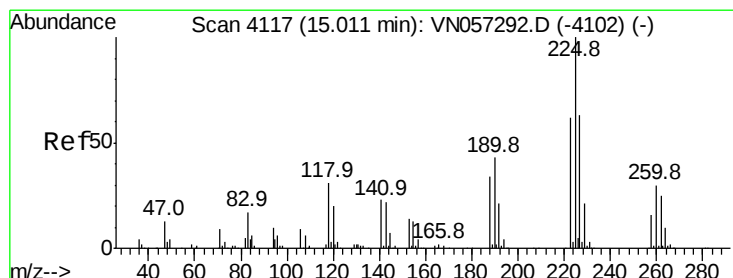
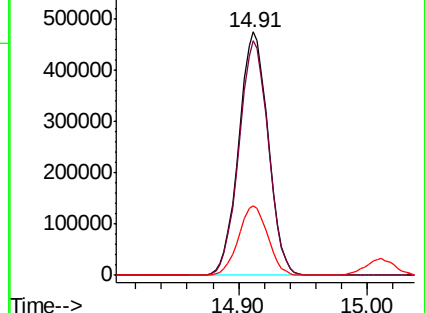
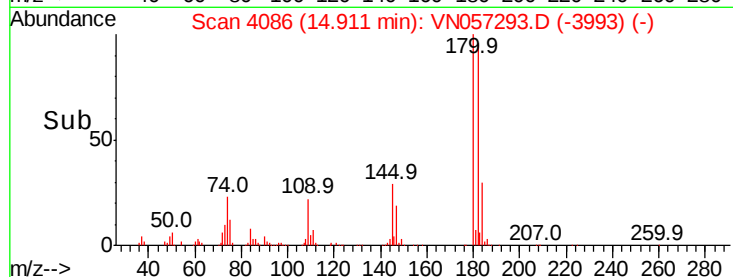
180 100

182 96.2 48.0 144.2

145 28.5 14.5 43.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 77.045 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

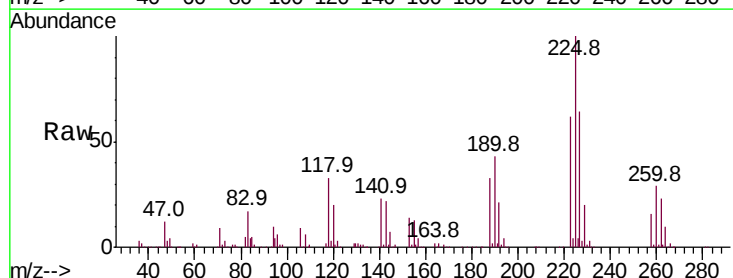
Tgt Ion:225 Resp: 711572

Ion Ratio Lower Upper

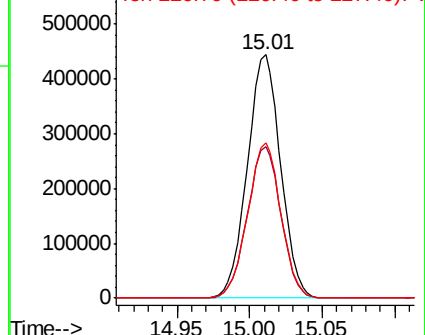
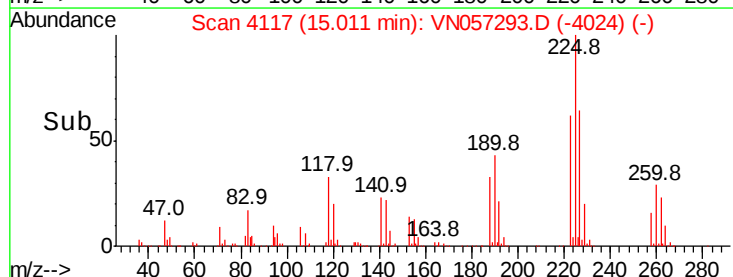
225 100

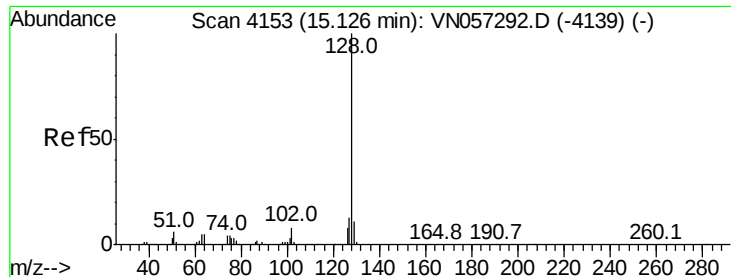
223 62.8 30.7 92.1

227 63.7 30.9 92.7



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





#95

Naphthalene

Concen: 113.088 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

Instrument :

MSVOA_N

ClientSampleId :

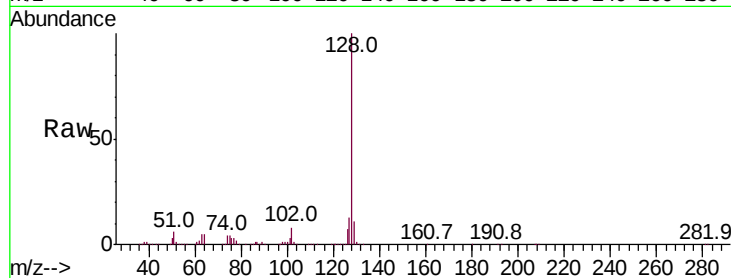
Tot Ion:128 Resp: 1530198

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.9	8.8	13.2

128 100

127 12.7 10.5 15.7

129 10.9 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

1200000

1000000

800000

600000

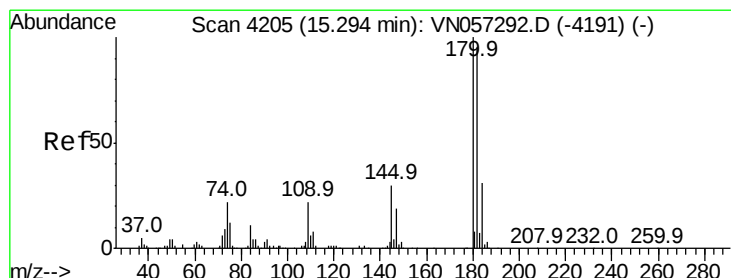
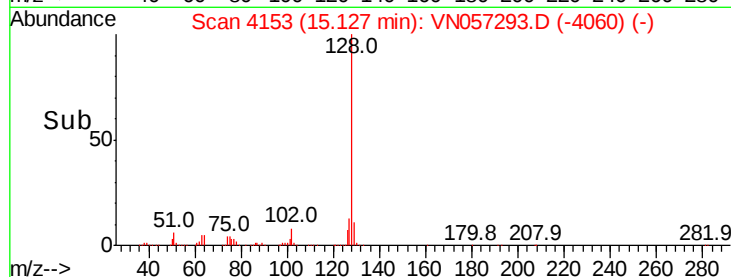
400000

200000

0

15.13

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 89.630 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057293.D

Acq: 14 Aug 2019 17:51

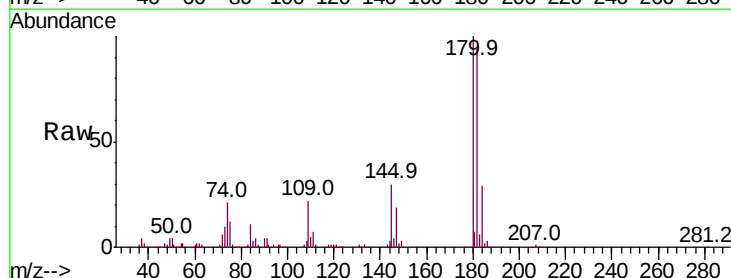
Tgt Ion:180 Resp: 625784

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.6
145	29.9	15.1	45.3

180 100

182 95.5 47.9 143.6

145 29.9 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

500000

400000

300000

200000

100000

0

15.29

Time-->

