

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057289.D
 Acq On : 14 Aug 2019 16:14
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 19:36:37 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	883275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1316998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1087140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262516	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	10803	1.21	ug/l	0.00
Spiked Amount			Recovery	=	2.42%	
35) Dibromofluoromethane	7.58	113	9127	1.10	ug/l	0.00
Spiked Amount			Recovery	=	2.20%	
50) Toluene-d8	10.09	98	30152	0.99	ug/l	0.00
Spiked Amount			Recovery	=	1.98%	
62) 4-Bromofluorobenzene	12.40	95	10430	1.00	ug/l	0.00
Spiked Amount			Recovery	=	2.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	8106	1.095	ug/l	85
3) Chloromethane	2.06	50	10181	1.212	ug/l	99
4) Vinyl Chloride	2.18	62	8606	1.057	ug/l	100
5) Bromomethane	2.55	94	7776	1.356	ug/l	95
6) Chloroethane	2.70	64	6398	1.213	ug/l	93
7) Trichlorofluoromethane	3.02	101	13860	1.078	ug/l	97
8) Diethyl Ether	3.40	74	4934	1.052	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	8177	1.060	ug/l	93
10) Methyl Iodide	3.95	142	12318	1.030	ug/l #	94
11) Tert butyl alcohol	4.76	59	3399	2.780	ug/l	100
12) 1,1-Dichloroethene	3.73	96	7926	1.033	ug/l	94
13) Acrolein	3.60	56	4509	5.359	ug/l	90
14) Allyl chloride	4.31	41	12596	1.077	ug/l	95
15) Acrylonitrile	4.98	53	16251	4.767	ug/l	96
16) Acetone	3.81	43	17912	5.859	ug/l	97
17) Carbon Disulfide	4.05	76	22137	1.060	ug/l #	95
18) Methyl Acetate	4.32	43	30695	2.925	ug/l #	74
19) Methyl tert-butyl Ether	5.02	73	11802	0.512	ug/l	99
20) Methylene Chloride	4.54	84	10530	1.179	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	8709	1.067	ug/l	83
22) Diisopropyl ether	5.94	45	24209	1.049	ug/l #	87
23) Vinyl Acetate	5.89	43	93382	5.100	ug/l	95
24) 1,1-Dichloroethane	5.83	63	15850	1.096	ug/l #	94
25) 2-Butanone	6.83	43	22824	5.201	ug/l	98
26) 2,2-Dichloropropane	6.81	77	6188	0.524	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	10518	1.115	ug/l	93
28) Bromochloromethane	7.19	49	6570	1.020	ug/l #	88
29) Tetrahydrofuran	7.21	42	14928	5.329	ug/l	98
30) Chloroform	7.36	83	17666	1.167	ug/l	94
31) Cyclohexane	7.66	56	26440	2.103	ug/l #	24
32) 1,1,1-Trichloroethane	7.56	97	12800	1.000	ug/l #	48
36) 1,1-Dichloropropene	7.78	75	11986	1.049	ug/l	97
37) Ethyl Acetate	6.92	43	7018	0.750	ug/l #	88
38) Carbon Tetrachloride	7.77	117	11967	0.984	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	13298	0.984	ug/l	98
40) Benzene	8.03	78	36006	1.031	ug/l	95
41) Methacrylonitrile	7.20	41	13479	3.448	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	12245	1.091	ug/l	98
43) Isopropyl Acetate	8.17	43	21019	1.351	ug/l #	94
44) Trichloroethene	8.83	130	10314	1.024	ug/l	97
45) 1,2-Dichloropropane	9.11	63	9037	1.019	ug/l	96
46) Dibromomethane	9.20	93	6471	1.085	ug/l	94
47) Bromodichloromethane	9.40	83	12362	1.073	ug/l	87
48) Methyl methacrylate	9.20	41	7454	1.045	ug/l	92
49) 1,4-Dioxane	9.20	88	3054	19.063	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	44935	4.961	ug/l	100
52) Toluene	10.16	92	21109	0.974	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	12015	0.975	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	13779	0.993	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	8679	1.020	ug/l	93
56) Ethyl methacrylate	10.43	69	10332	0.860	ug/l	93
57) 1,3-Dichloropropane	10.70	76	14255	1.015	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.69	63	12526	4.148	ug/l	99
59) 2-Hexanone	10.75	43	31046	4.823	ug/l	100
60) Dibromochloromethane	10.90	129	8773	0.919	ug/l	100
61) 1,2-Dibromoethane	11.00	107	9043	1.023	ug/l	94
64) Tetrachloroethene	10.63	164	10841	1.134	ug/l	96
65) Chlorobenzene	11.43	112	21887	0.989	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.51	131	8632	1.010	ug/l #	67
67) Ethyl Benzene	11.51	91	38452	1.015	ug/l	100
68) m/p-Xylenes	11.62	106	26320	1.860	ug/l	100
69) o-Xylene	11.95	106	12878	0.928	ug/l	98
70) Styrene	11.96	104	18628	0.869	ug/l	96
71) Bromoform	12.12	173	5886	0.896	ug/l #	99
73) Isopropylbenzene	12.25	105	33046	1.357	ug/l	97
74) N-amyl acetate	12.07	43	8230	1.158	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	10590	1.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	11778	2.121	ug/l #	100
77) Bromobenzene	12.53	156	8515	1.285	ug/l	95
78) n-propylbenzene	12.59	91	29702	1.212	ug/l	98
79) 2-Chlorotoluene	12.67	91	20750	1.324	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	24591	1.246	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	2881	1.456	ug/l #	88
82) 4-Chlorotoluene	12.77	91	17773	1.239	ug/l	97
83) tert-Butylbenzene	12.99	119	25750	1.397	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	21127	1.144	ug/l	99
85) sec-Butylbenzene	13.17	105	27750	1.257	ug/l	98
86) p-Isopropyltoluene	13.29	119	21280	1.106	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	9750	1.075	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	9488	1.078	ug/l	88
89) n-Butylbenzene	13.62	91	12553	0.928	ug/l	96
90) Hexachloroethane	13.88	117	5609	1.491	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	8844	1.003	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1115	1.269	ug/l	72

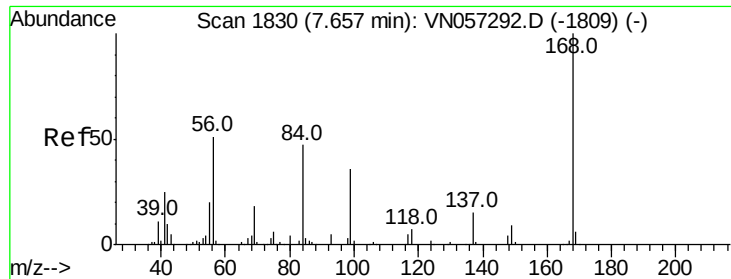
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2935	0.928	ug/l	94
94) Hexachlorobutadiene	15.01	225	5052	1.191	ug/l	87
95) Naphthalene	15.13	128	5432	0.874	ug/l	95
96) 1,2,3-Trichlorobenzene	15.29	180	2894	0.902	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

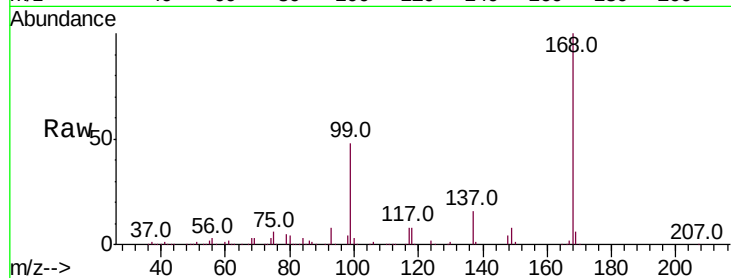
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 883275

Ion Ratio Lower Upper

168 100

99 47.8 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

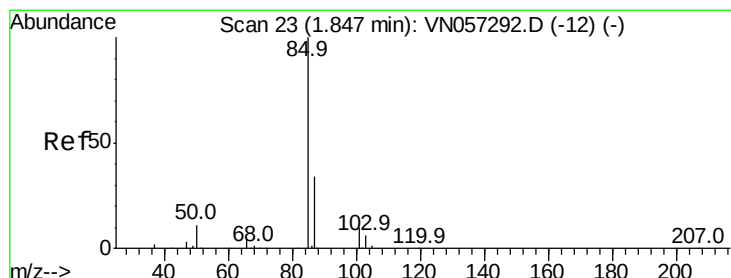
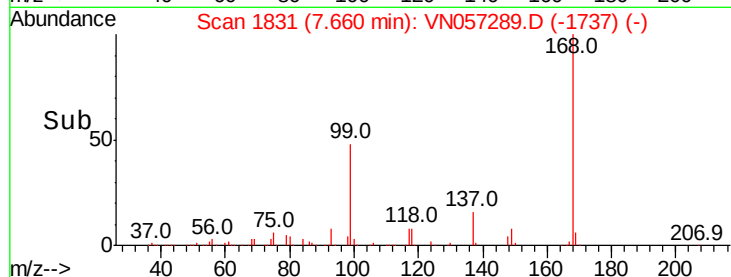
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.095 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057289.D

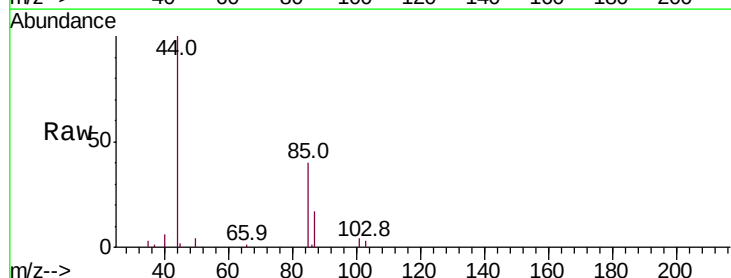
Acq: 14 Aug 2019 16:14

Tgt Ion: 85 Resp: 8106

Ion Ratio Lower Upper

85 100

87 42.5 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

6000

5000

4000

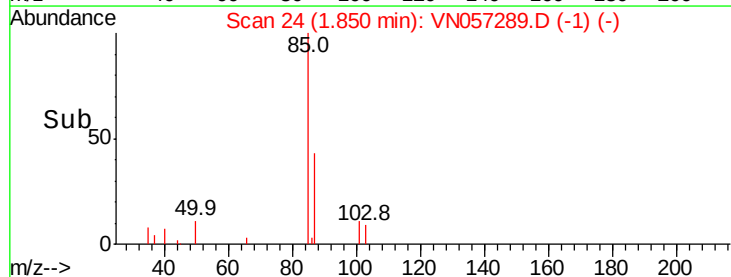
3000

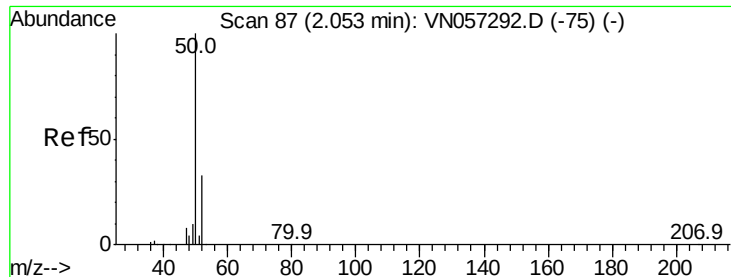
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.212 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

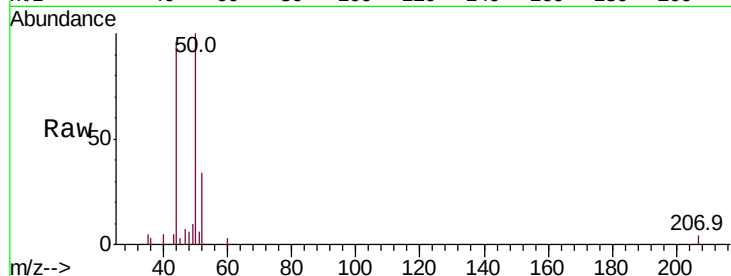
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 10181

Ion Ratio Lower Upper

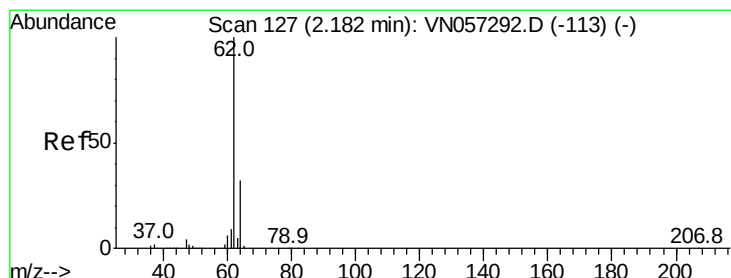
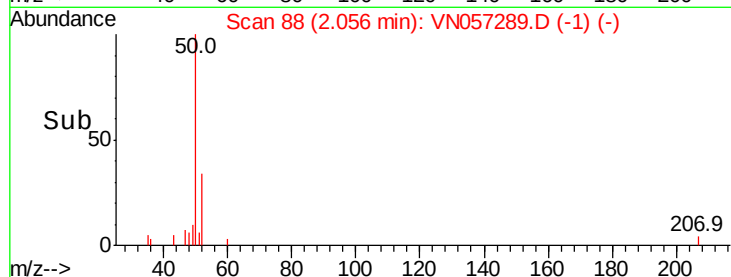
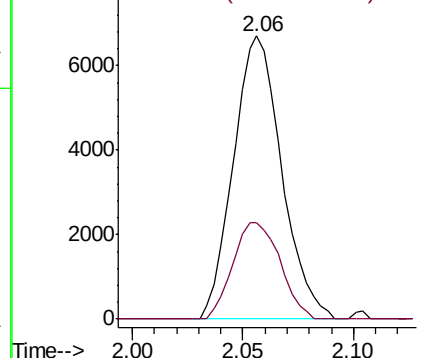
50 100

52 34.0 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.057 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057289.D

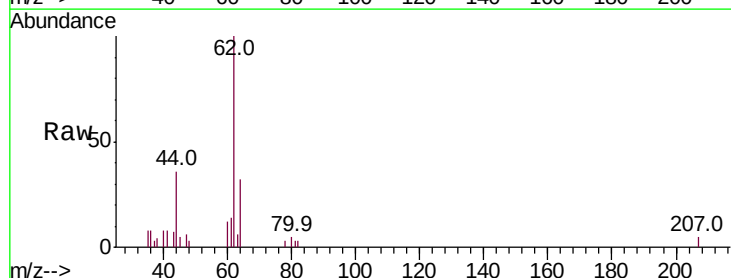
Acq: 14 Aug 2019 16:14

Tgt Ion: 62 Resp: 8606

Ion Ratio Lower Upper

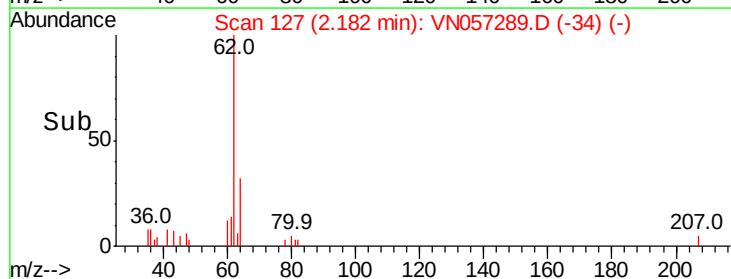
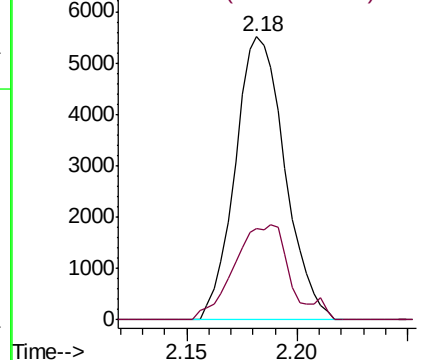
62 100

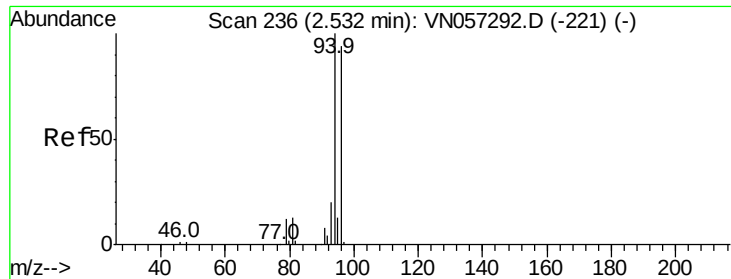
64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.356 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

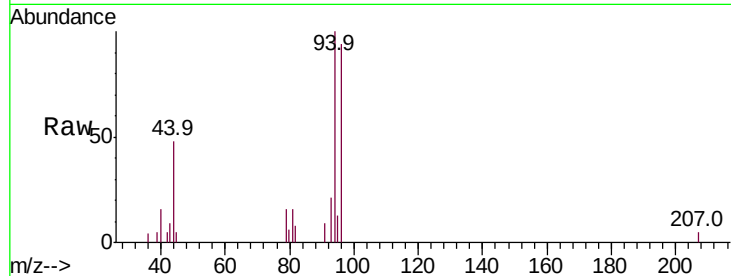
ClientSampled :

Tot Ion: 94 Resp: 7776

Ion Ratio Lower Upper

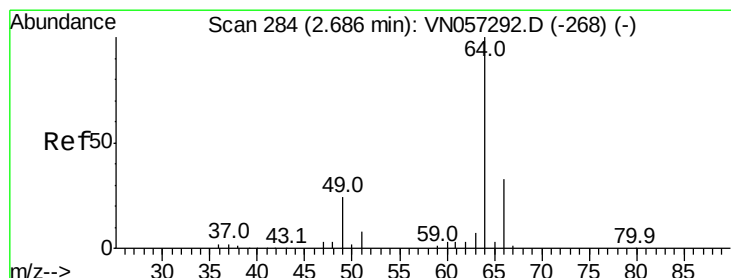
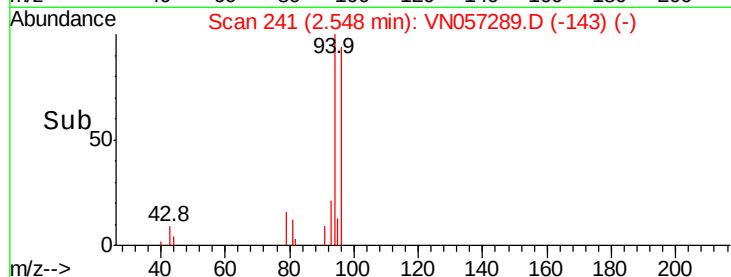
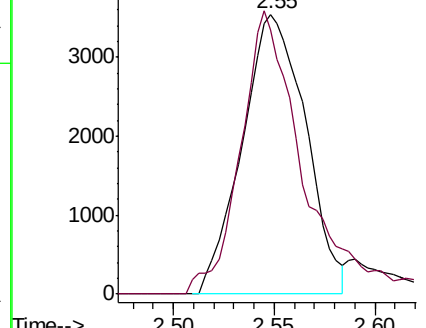
94 100

96 89.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VN057289.D (-241) (-)

Ion 95.90 (95.60 to 96.60): VN057289.D (-241) (-)



#6

Chloroethane

Concen: 1.213 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057289.D

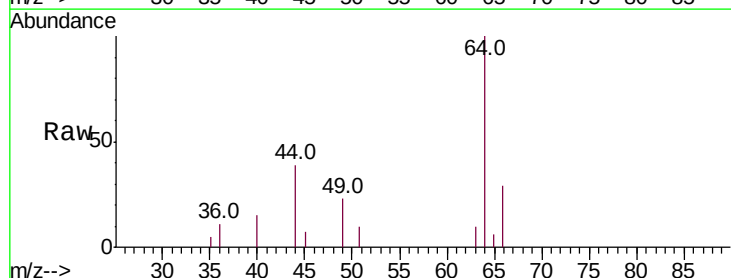
Acq: 14 Aug 2019 16:14

Tgt Ion: 64 Resp: 6398

Ion Ratio Lower Upper

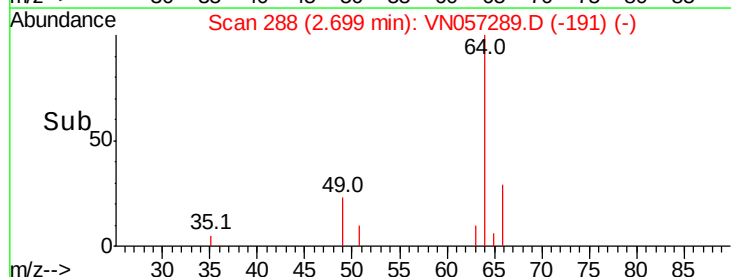
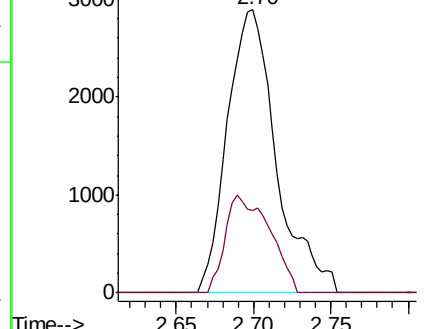
64 100

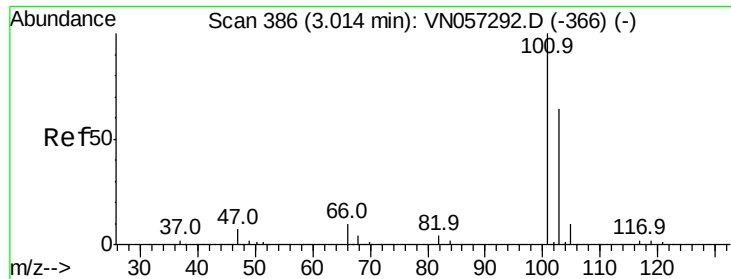
66 29.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN057289.D (-288) (-)

Ion 65.90 (65.60 to 66.60): VN057289.D (-288) (-)



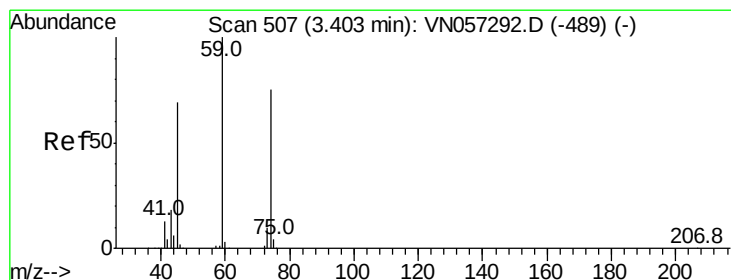
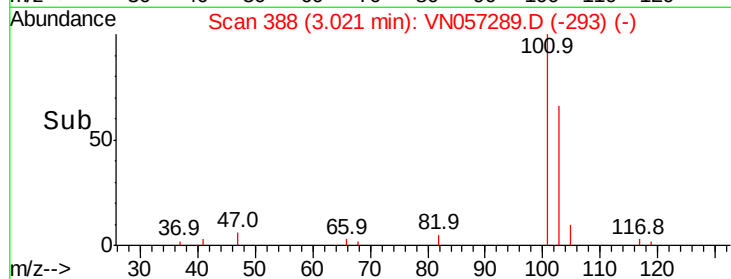
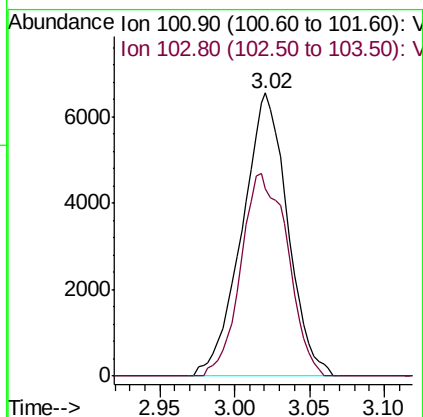
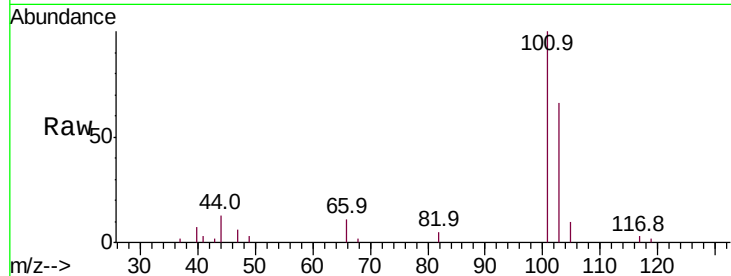


#7

Trichlorofluoromethane
 Concen: 1.078 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampled :

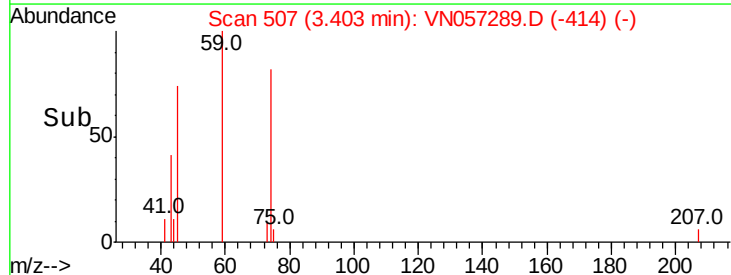
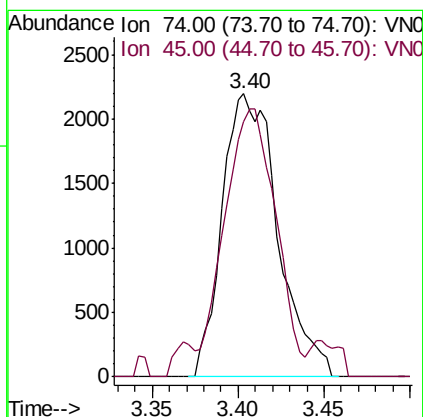
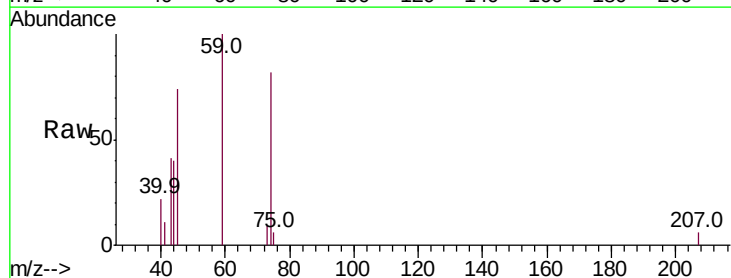
Tot Ion:101 Resp: 13860
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.5 77.3

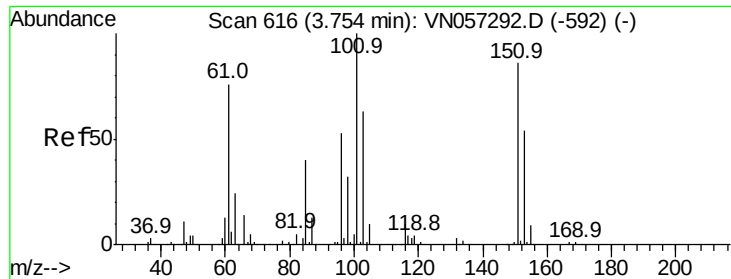


#8

Diethyl Ether
 Concen: 1.052 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion: 74 Resp: 4934
 Ion Ratio Lower Upper
 74 100
 45 87.8 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.060 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

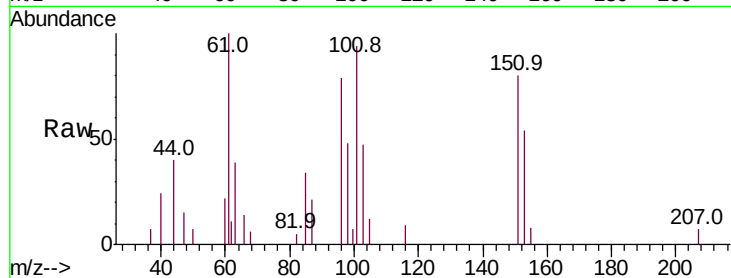
Tot Ion:101 Resp: 8177

Ion Ratio Lower Upper

101 100

85 43.2 32.7 49.1

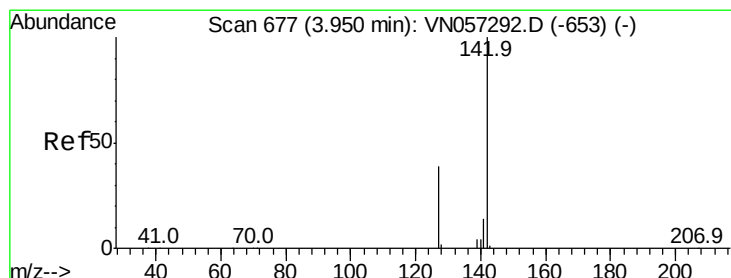
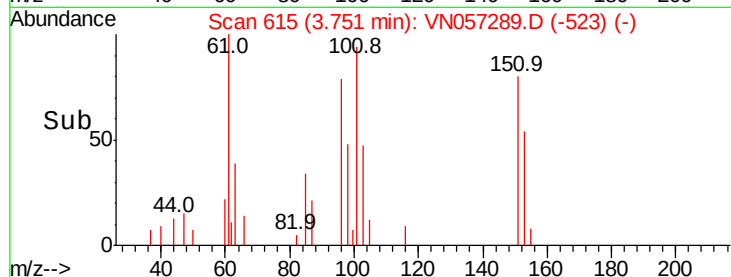
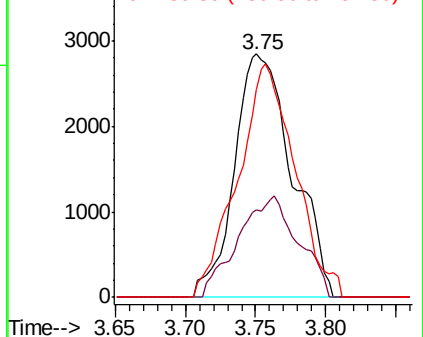
151 94.5 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.030 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

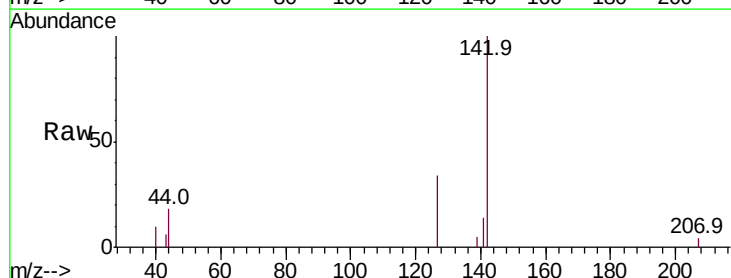
Tgt Ion:142 Resp: 12318

Ion Ratio Lower Upper

142 100

127 36.1 31.6 47.4

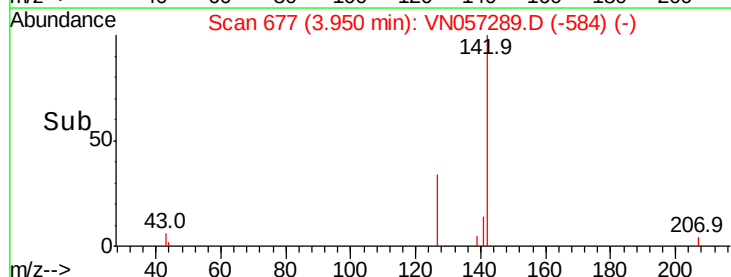
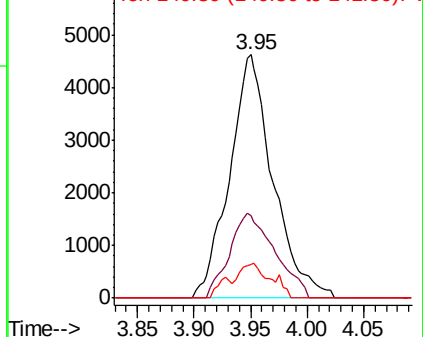
141 10.3 11.2 16.8#

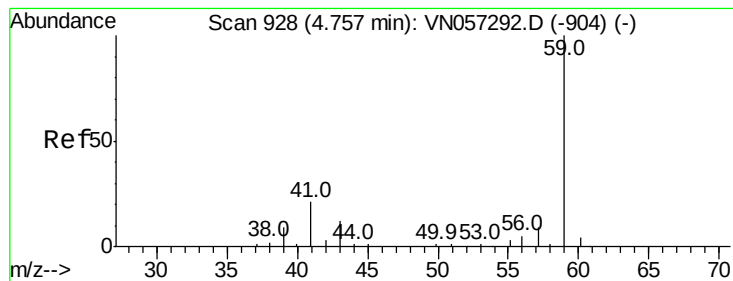


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



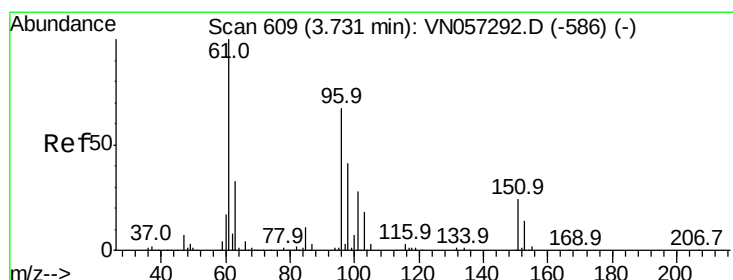
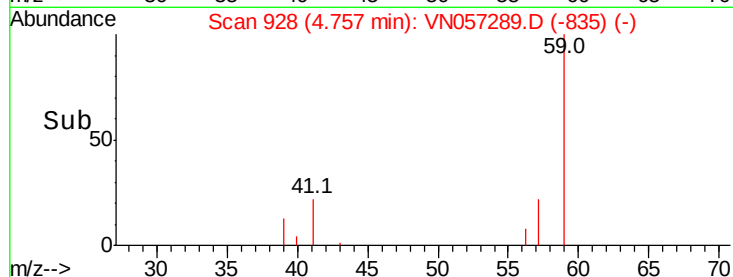
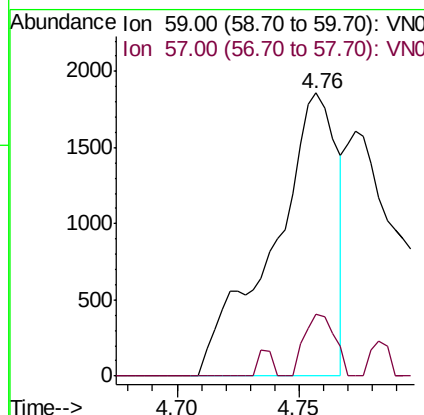
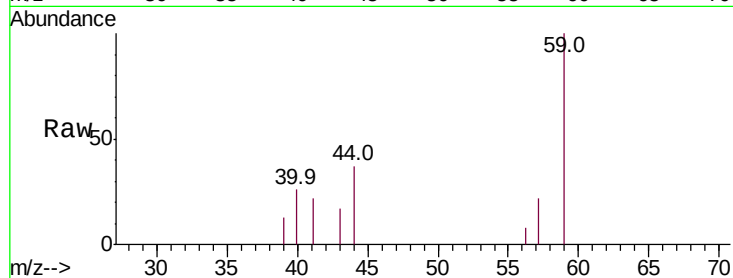


#11

Tert butyl alcohol
 Concen: 2.780 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampled :

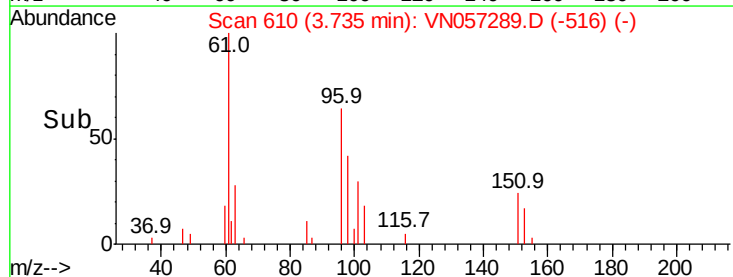
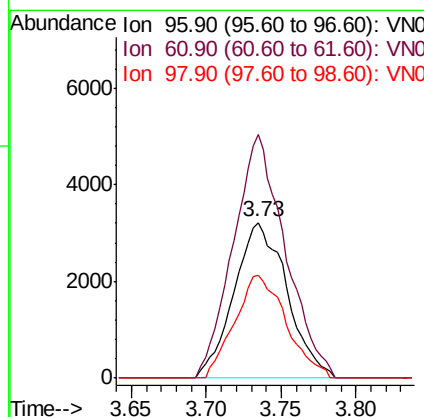
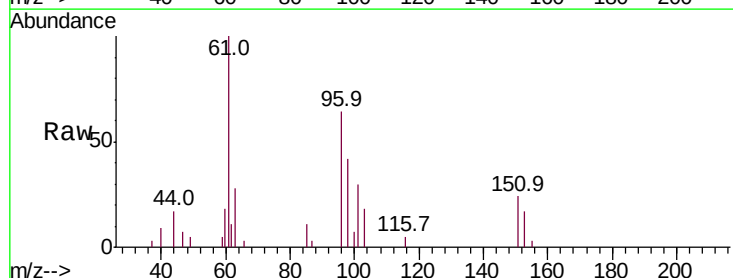
Tot Ion: 59 Resp: 3399
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2

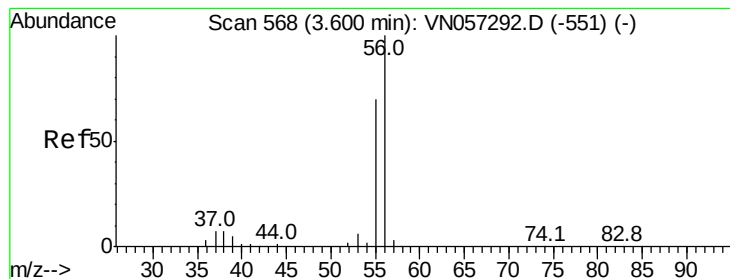


#12

1,1-Dichloroethene
 Concen: 1.033 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion: 96 Resp: 7926
 Ion Ratio Lower Upper
 96 100
 61 156.4 119.7 179.5
 98 66.4 49.0 73.4





#13

Acrolein

Concen: 5.359 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

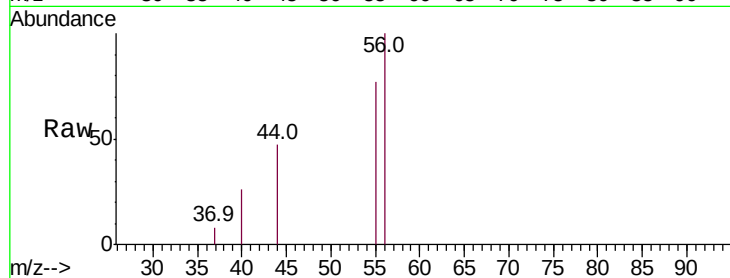
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4509

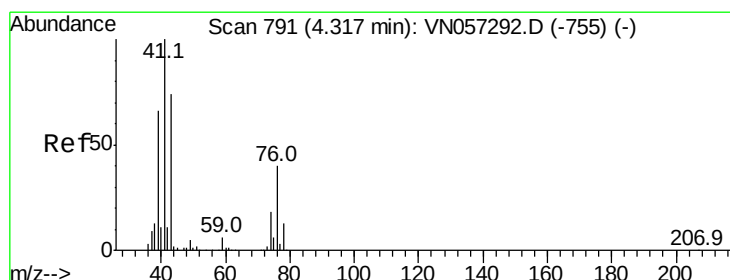
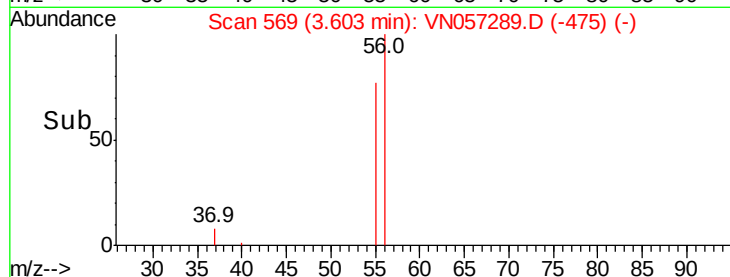
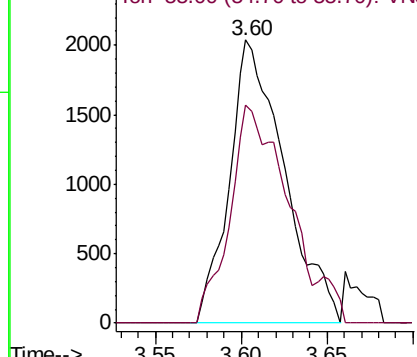
Ion Ratio Lower Upper

56 100

55 78.8 56.6 84.8



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



#14

Allyl chloride

Concen: 1.077 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

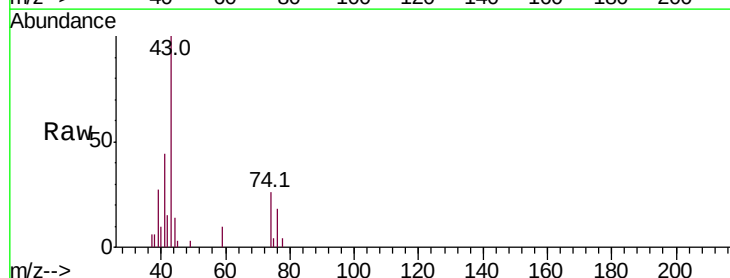
Tgt Ion: 41 Resp: 12596

Ion Ratio Lower Upper

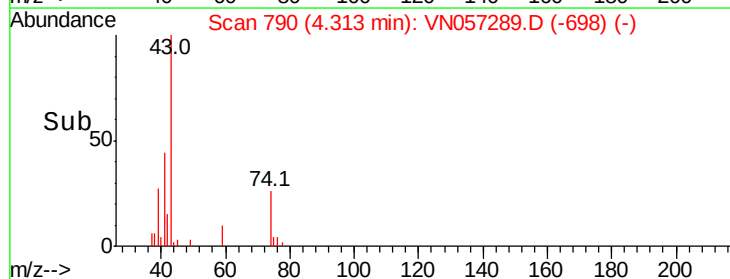
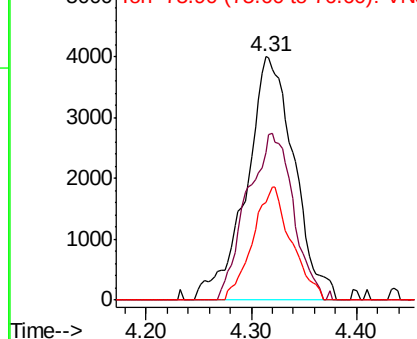
41 100

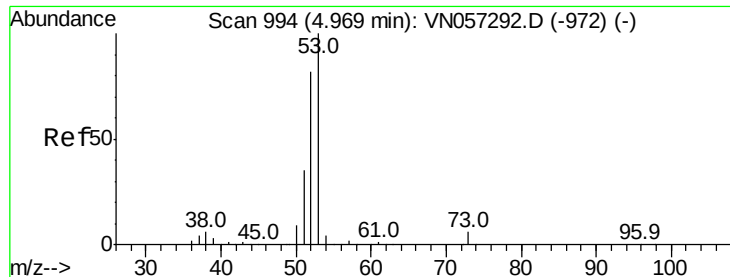
39 66.0 49.0 73.6

76 37.5 29.0 43.4



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





#15

Acrylonitrile

Concen: 4.767 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

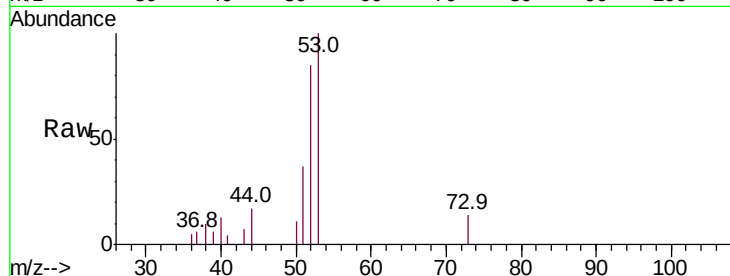
Tot Ion: 53 Resp: 16251

Ion Ratio Lower Upper

53 100

52 85.4 66.2 99.2

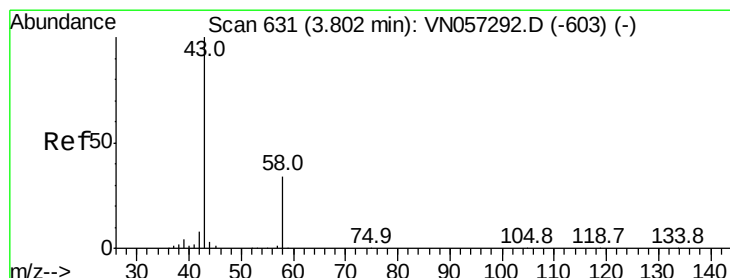
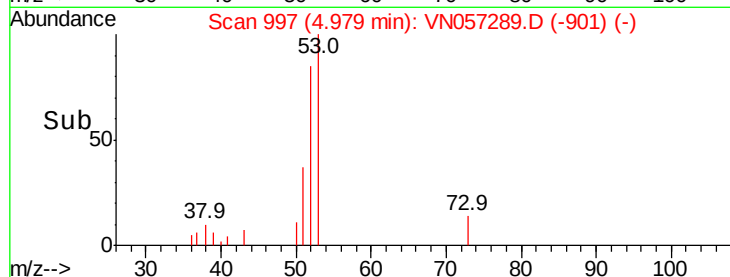
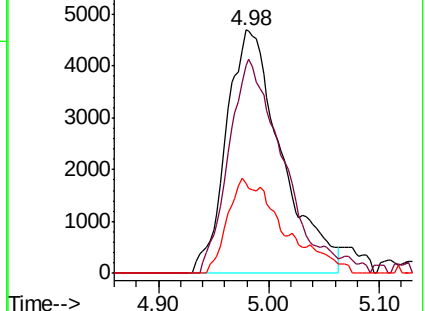
51 39.6 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 5.859 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN057289.D

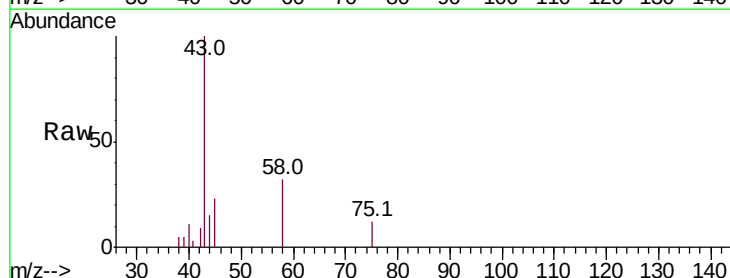
Acq: 14 Aug 2019 16:14

Tgt Ion: 43 Resp: 17912

Ion Ratio Lower Upper

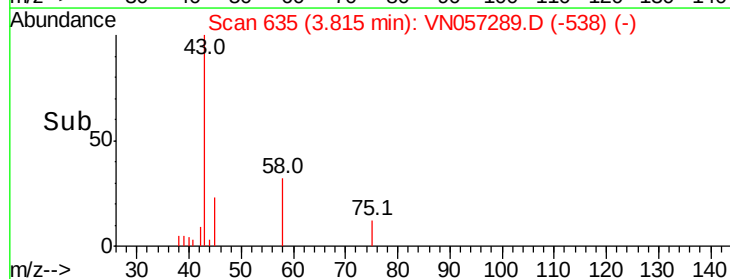
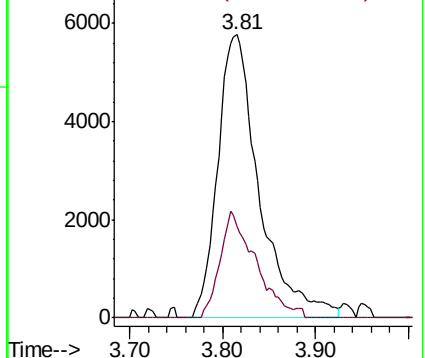
43 100

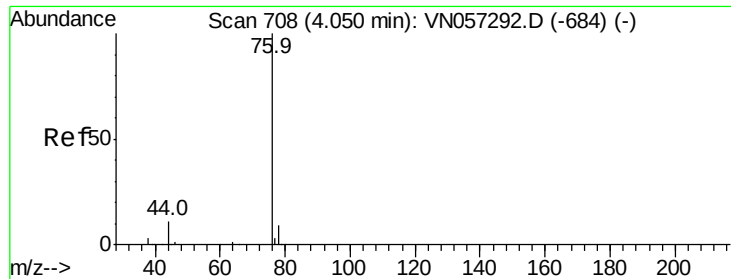
58 32.1 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.060 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

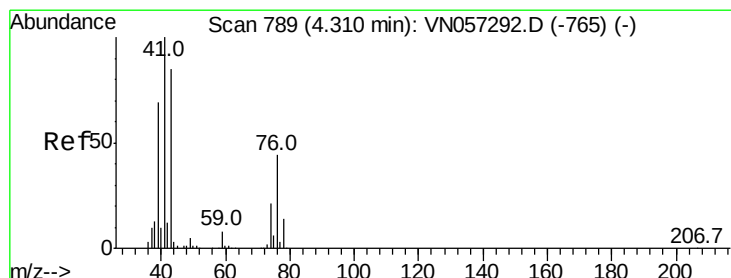
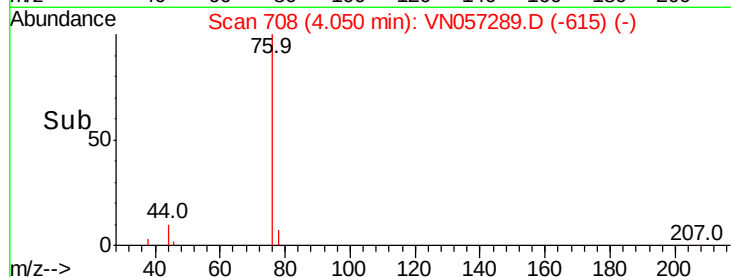
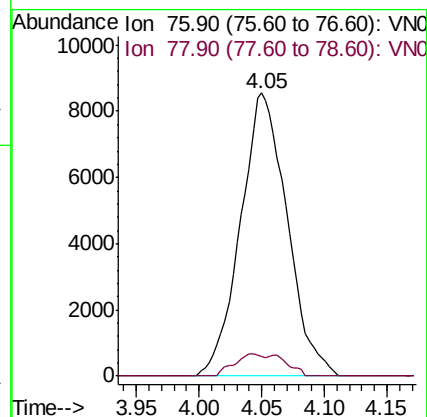
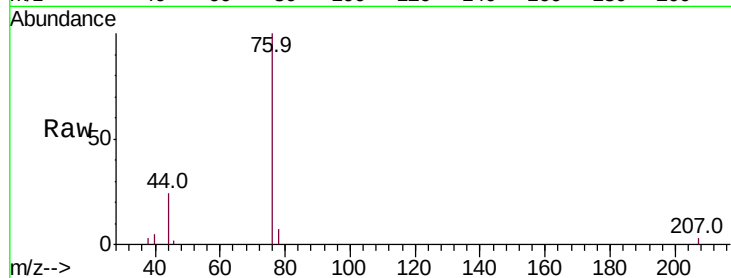
ClientSampled :

Tot Ion: 76 Resp: 22137

Ion Ratio Lower Upper

76 100

78 7.0 7.0 10.6#



#18

Methyl Acetate

Concen: 2.925 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN057289.D

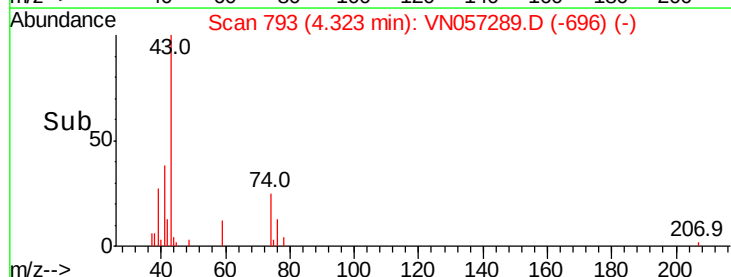
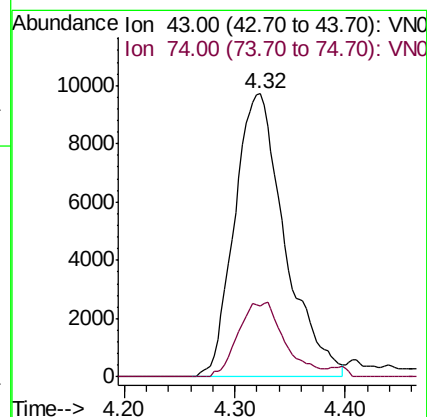
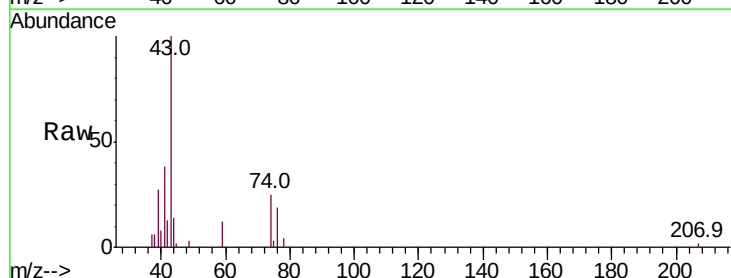
Acq: 14 Aug 2019 16:14

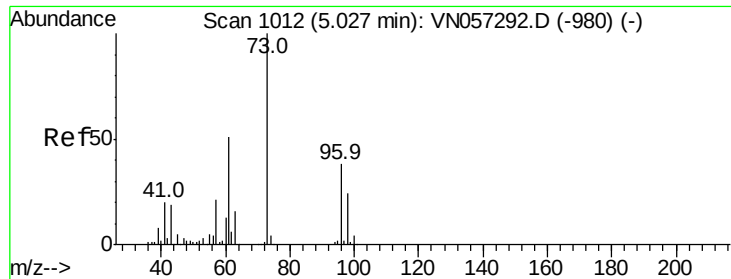
Tgt Ion: 43 Resp: 30695

Ion Ratio Lower Upper

43 100

74 12.1 20.2 30.2#

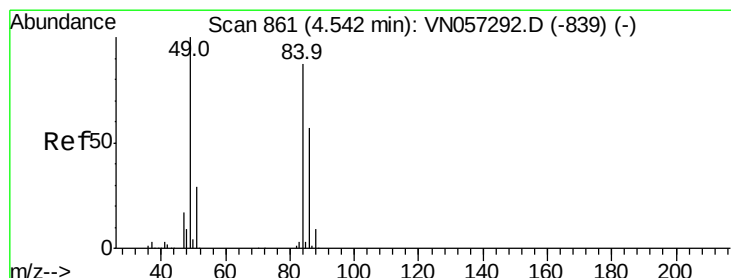
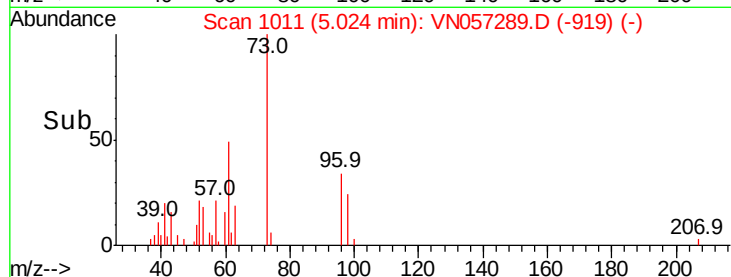
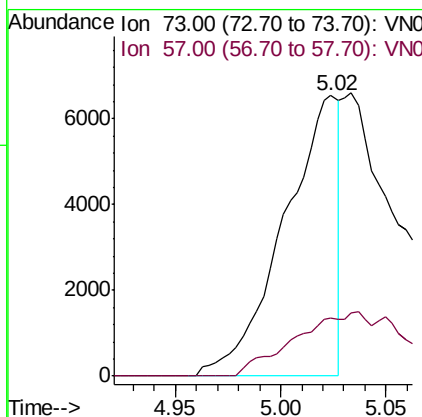
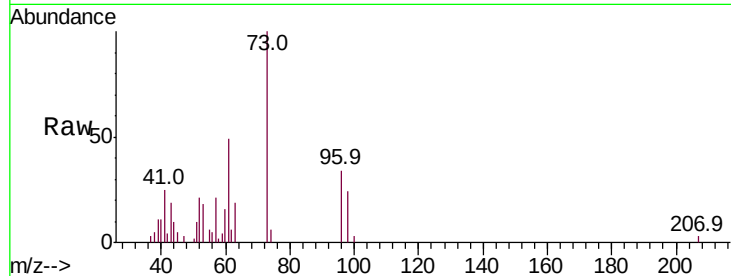




#19
Methyl tert-butyl Ether
Concen: 0.512 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

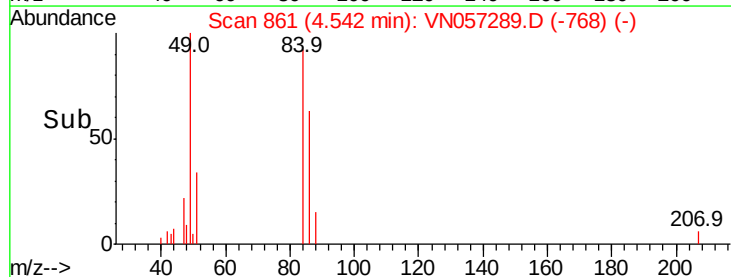
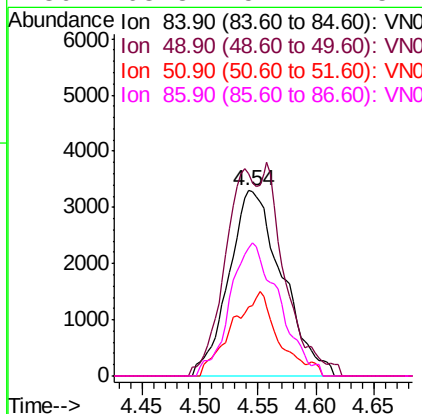
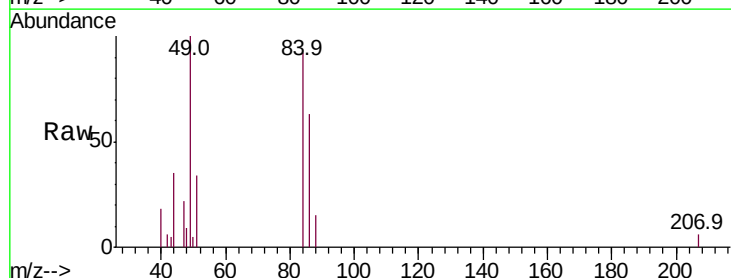
Instrument :
MSVOA_N
ClientSampled :

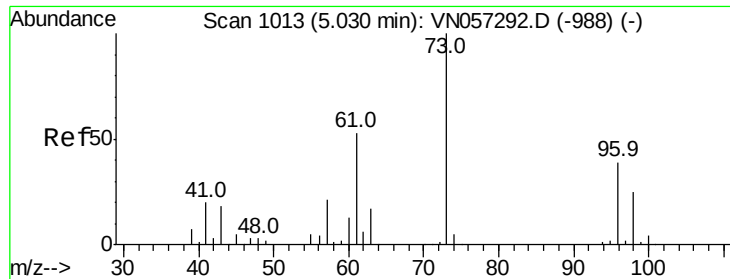
Tot Ion: 73 Resp: 11802
Ion Ratio Lower Upper
73 100
57 20.8 16.9 25.3



#20
Methylene Chloride
Concen: 1.179 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 84 Resp: 10530
Ion Ratio Lower Upper
84 100
49 109.1 92.0 138.0
51 37.2 27.1 40.7
86 68.8 52.2 78.2

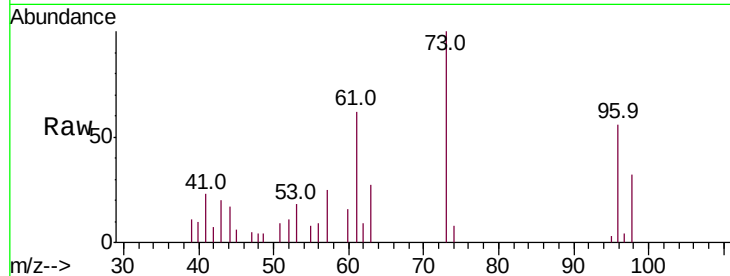




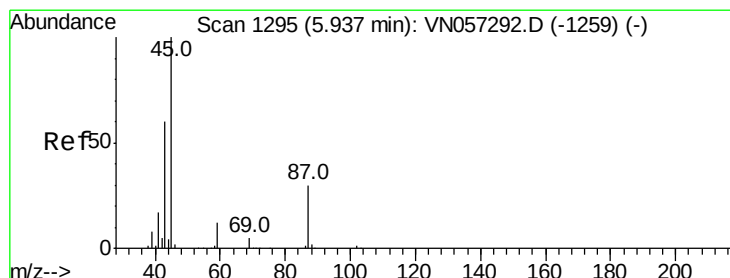
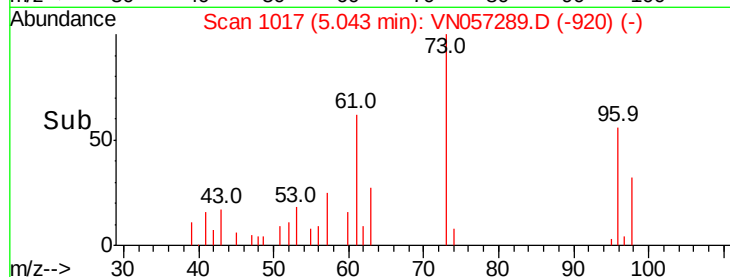
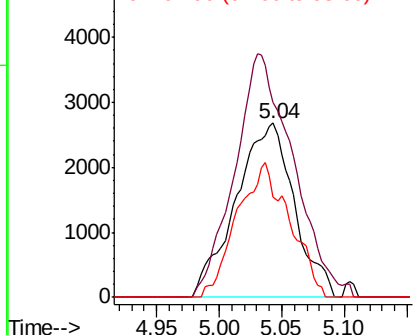
#21
trans-1,2-Dichloroethene
Concen: 1.067 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 8709
Ion Ratio Lower Upper
96 100
61 111.7 109.5 164.3
98 57.8 51.0 76.6

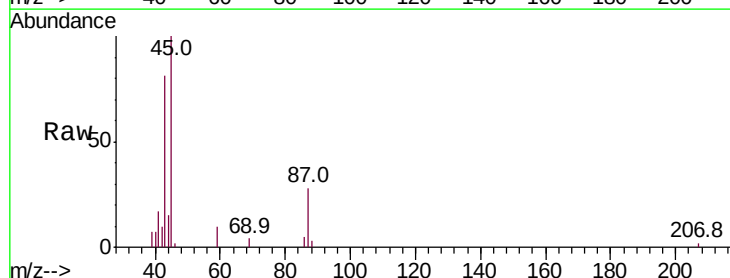


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

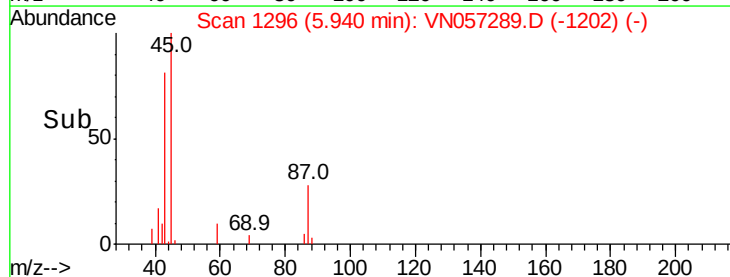
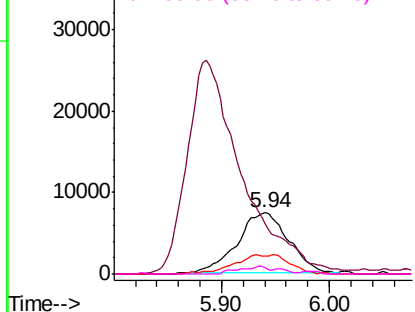


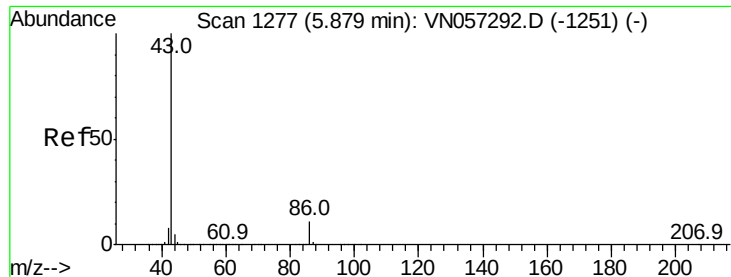
#22
Diisopropyl ether
Concen: 1.049 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 45 Resp: 24209
Ion Ratio Lower Upper
45 100
43 74.9 48.3 72.5#
87 28.9 24.6 36.8
59 10.1 9.8 14.8



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





#23

Vinyl Acetate

Concen: 5.100 ug/l

RT: 5.89 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

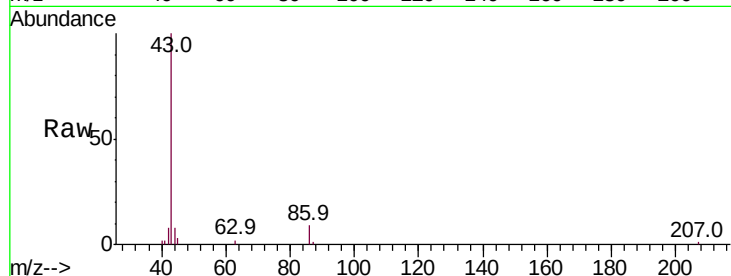
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 93382

Ion Ratio Lower Upper

43 100

86 8.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN057289.D (-1277) (-)

Ion 86.00 (85.70 to 86.70): VN057289.D (-1277) (-)

5.89

25000

20000

15000

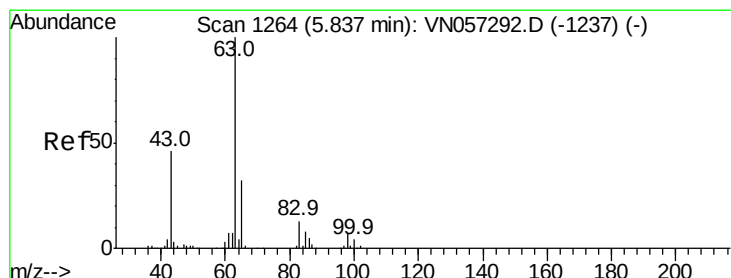
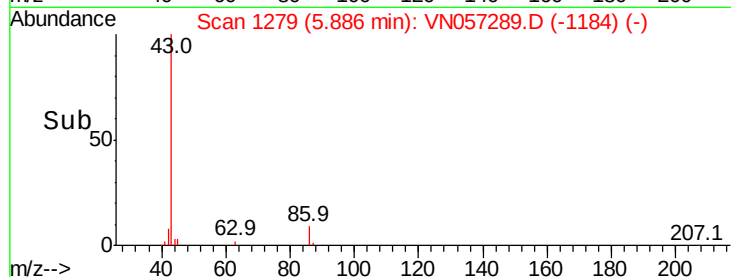
10000

5000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 1.096 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

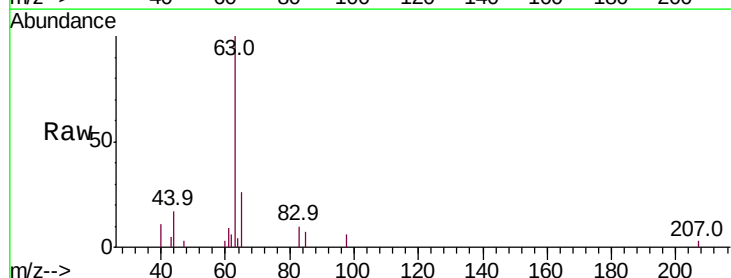
Tgt Ion: 63 Resp: 15850

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 0.0 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VN057289.D (-1263) (-)

Ion 97.90 (97.60 to 98.60): VN057289.D (-1263) (-)

Ion 99.90 (99.60 to 100.60): VN057289.D (-1263) (-)

5.83

6000

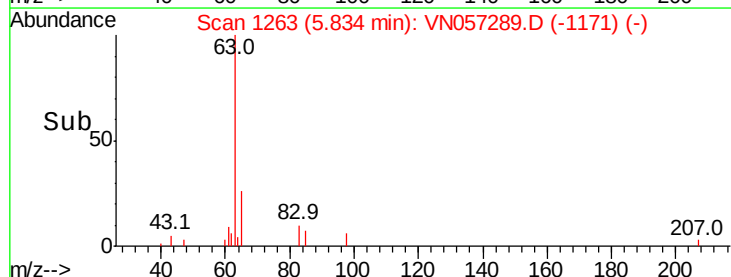
4000

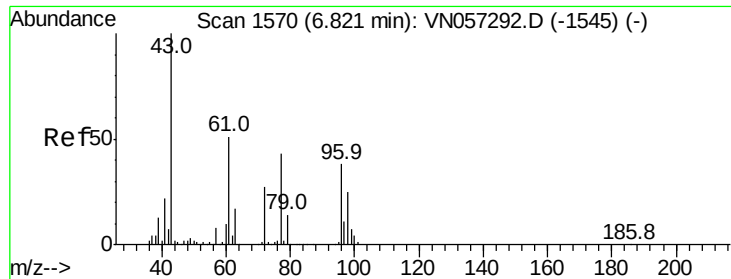
2000

0

Time-->

5.75 5.80 5.85 5.90 5.95

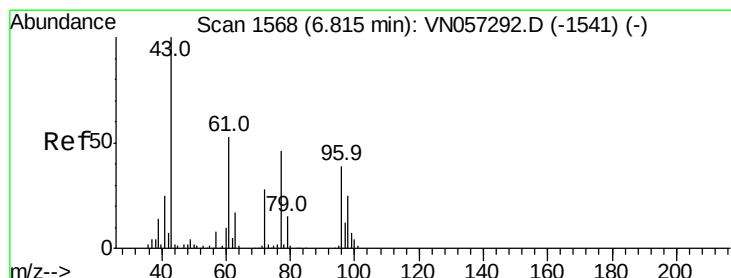
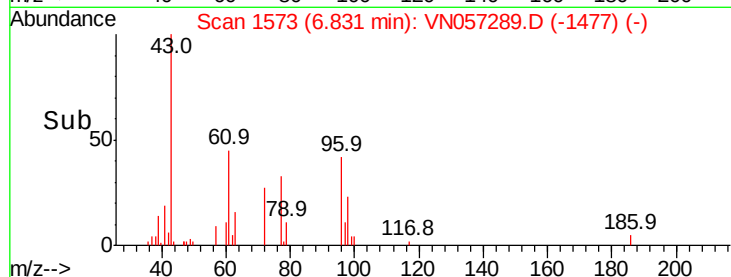
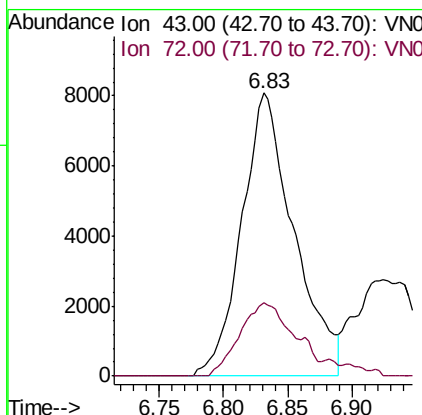
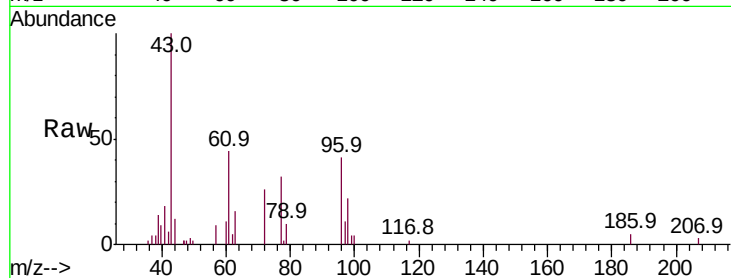




#25
 2-Butanone
 Concen: 5.201 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

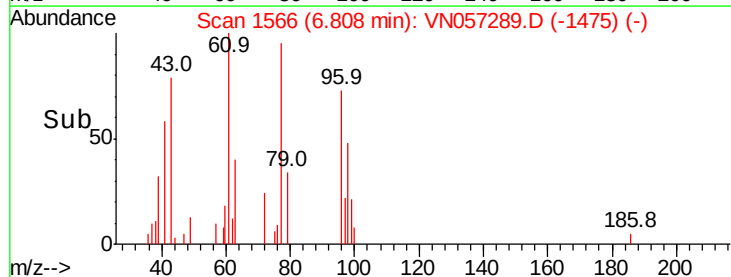
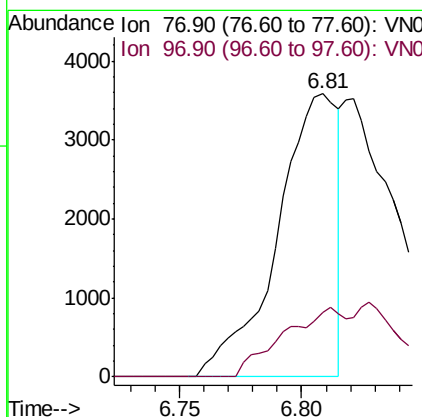
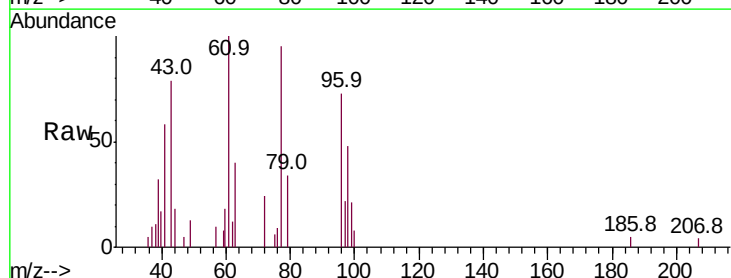
Instrument :
 MSVOA_N
 ClientSampled :

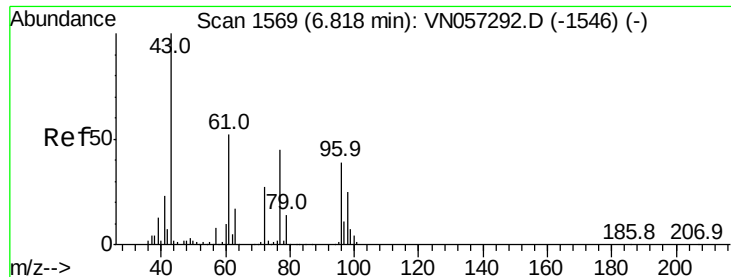
Tot Ion: 43 Resp: 22824
 Ion Ratio Lower Upper
 43 100
 72 26.0 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 0.524 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion: 77 Resp: 6188
 Ion Ratio Lower Upper
 77 100
 97 24.9 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 1.115 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

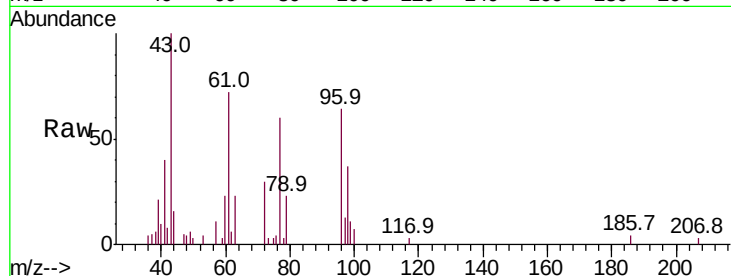
Tot Ion: 96 Resp: 10518

Ion Ratio Lower Upper

96 100

61 126.8 0.0 272.0

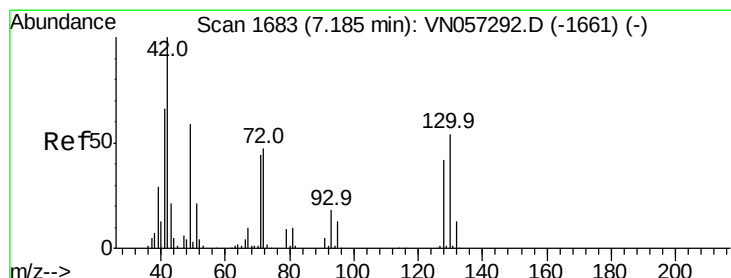
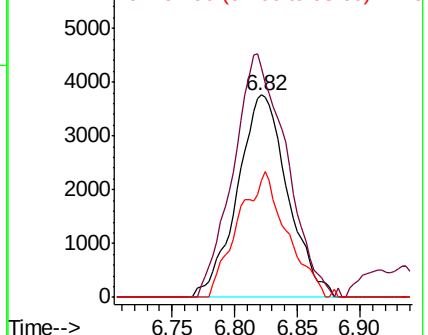
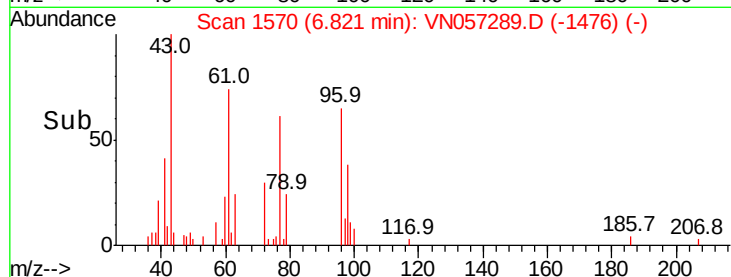
98 59.9 0.0 130.4



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: 1.020 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

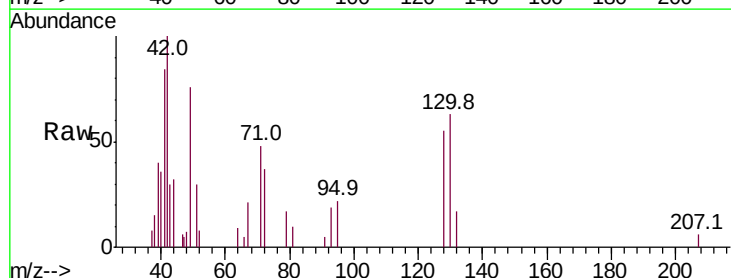
Tgt Ion: 49 Resp: 6570

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.0

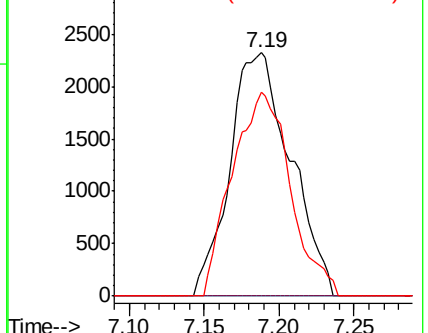
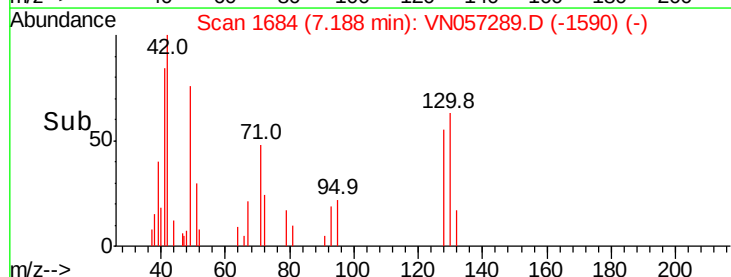
130 80.2 73.2 109.8

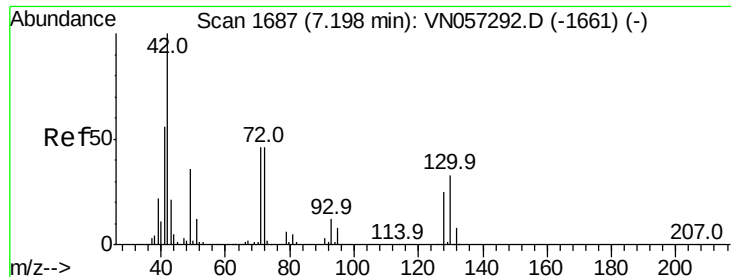


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

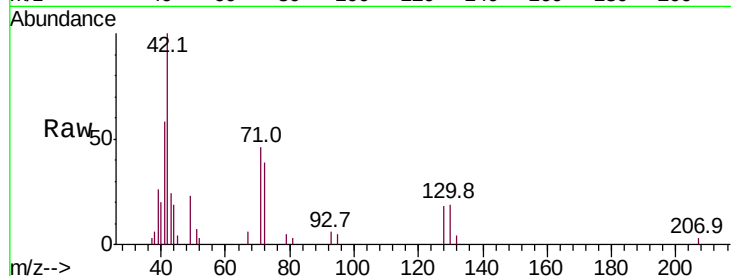




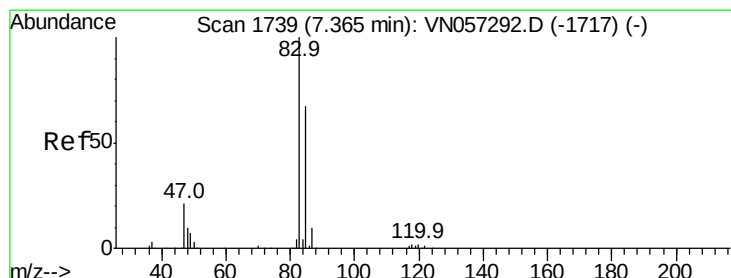
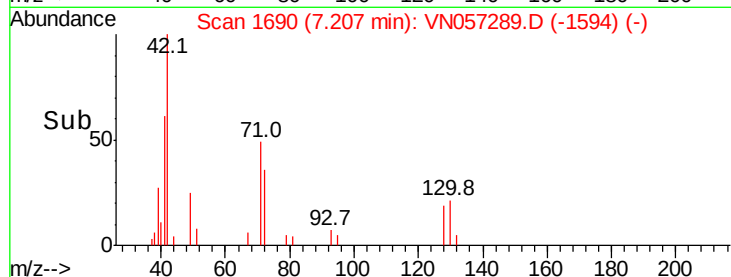
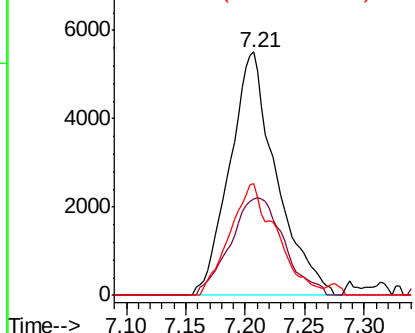
#29
Tetrahydrofuran
Concen: 5.329 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 14928
Ion Ratio Lower Upper
42 100
72 46.2 37.8 56.6
71 46.5 35.7 53.5

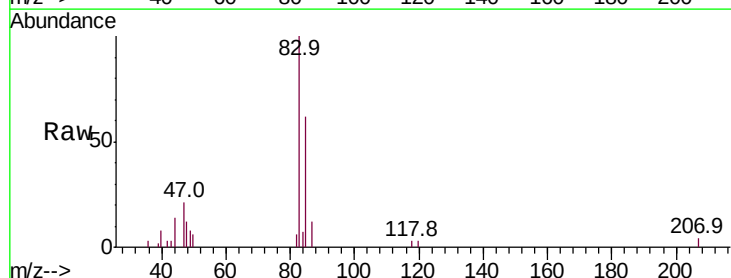


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

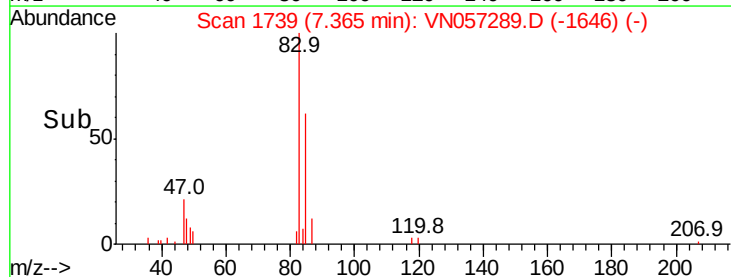
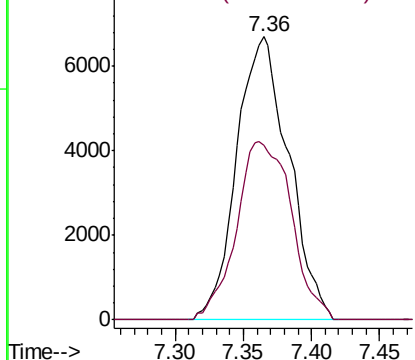


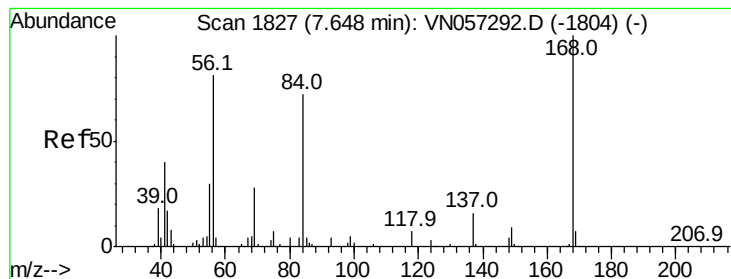
#30
Chloroform
Concen: 1.167 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 83 Resp: 17666
Ion Ratio Lower Upper
83 100
85 61.8 53.3 79.9



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





#31

Cyclohexane

Concen: 2.103 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

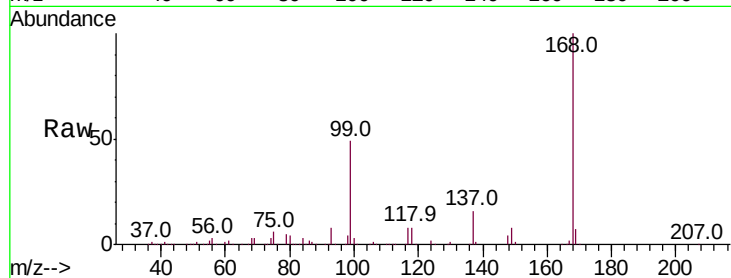
Tot Ion: 56 Resp: 26440

Ion Ratio Lower Upper

56 100

69 124.5 27.3 40.9#

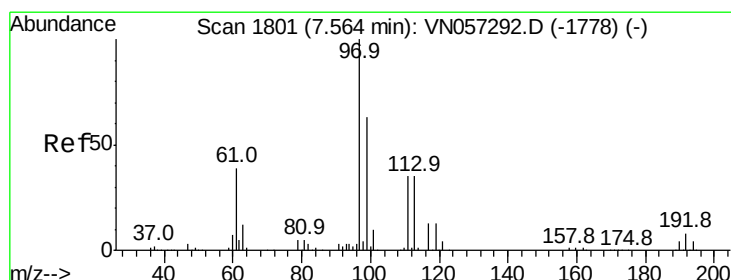
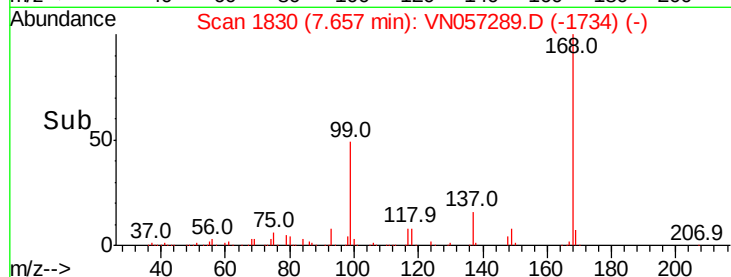
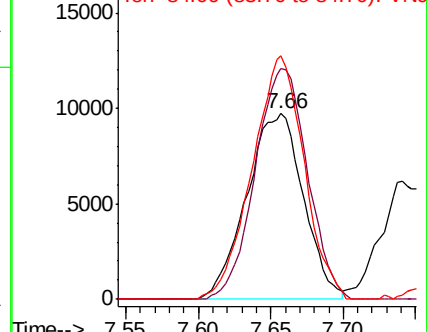
84 131.2 71.0 106.6#



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: 1.000 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

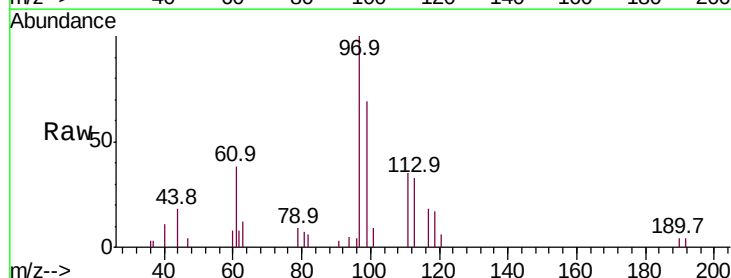
Tgt Ion: 97 Resp: 12800

Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

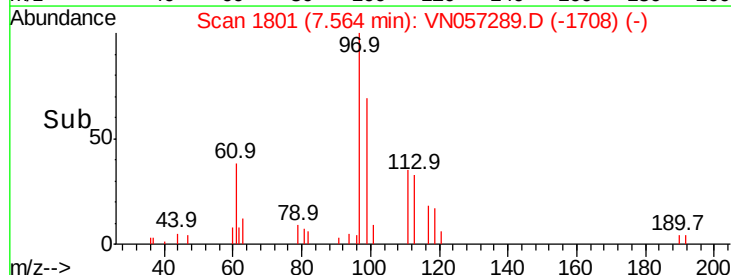
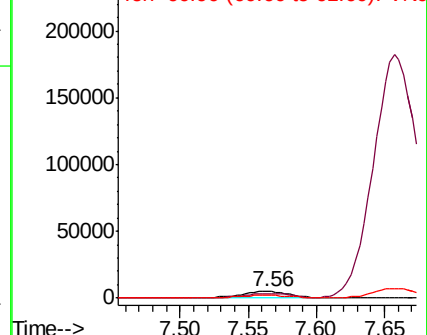
61 42.9 31.3 46.9

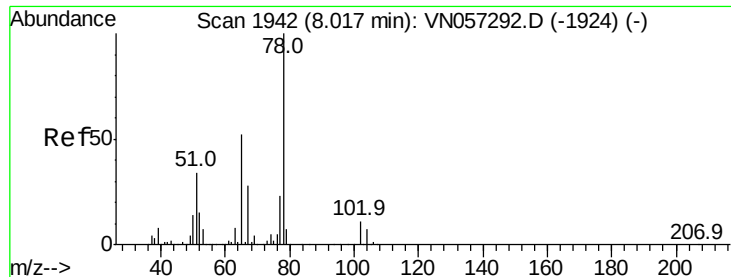


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

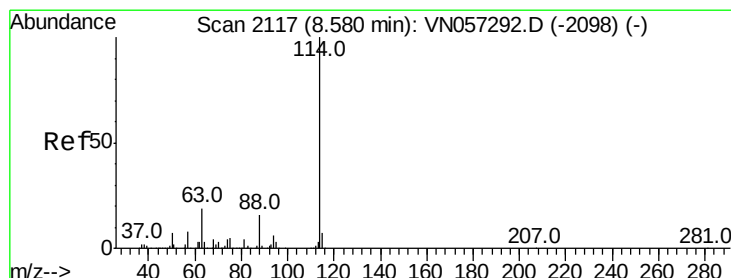
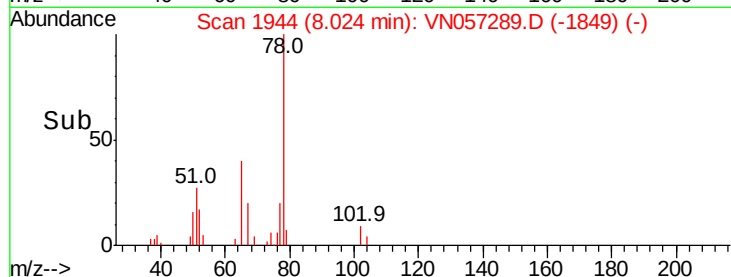
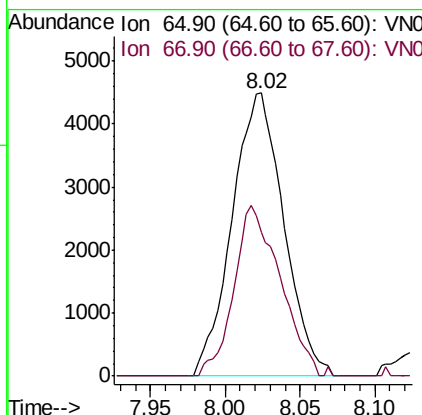
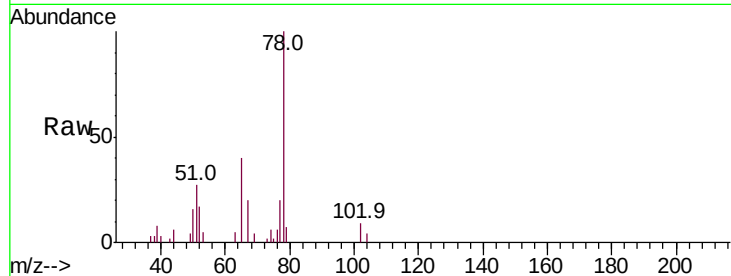




#33
 1,2-Dichloroethane-d4
 Concen: 1.214 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

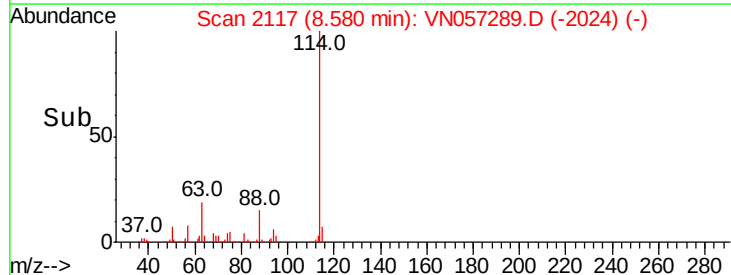
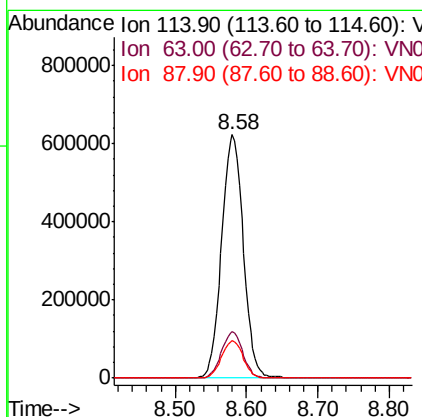
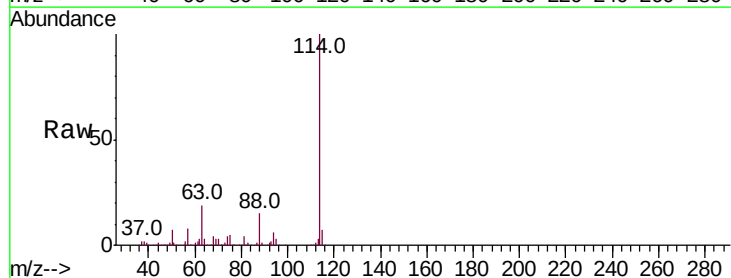
Instrument :
 MSVOA_N
 ClientSampled :

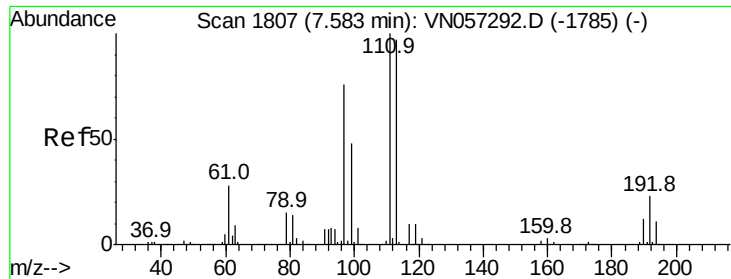
Tot Ion: 65 Resp: 10803
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion: 114 Resp: 1316998
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.8
 88 15.3 0.0 31.4

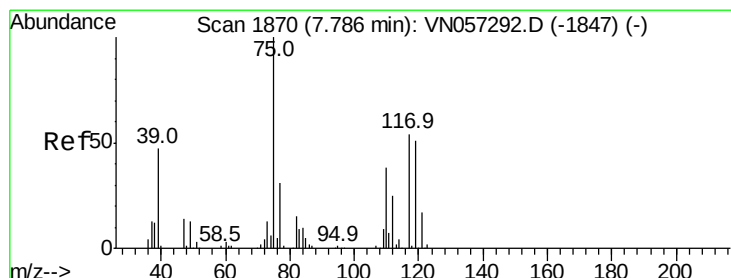
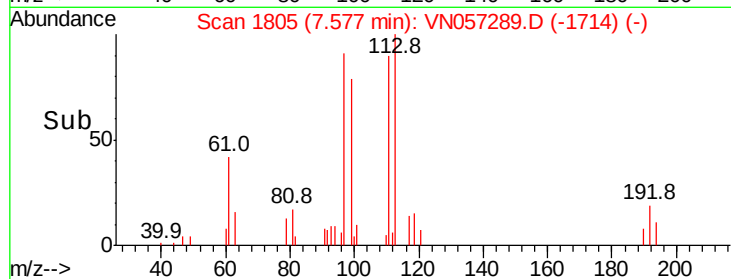
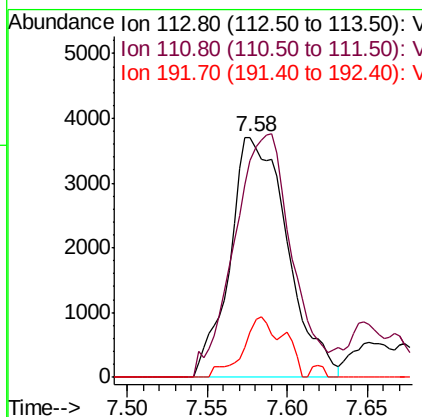
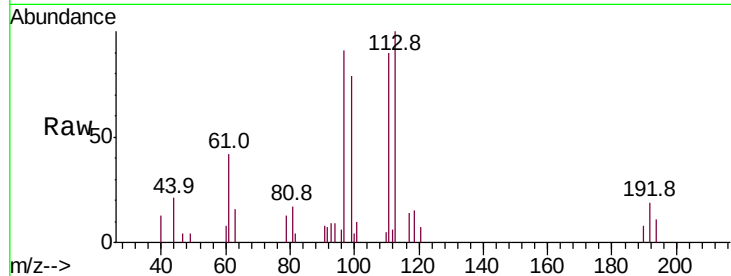




#35
 Dibromofluoromethane
 Concen: 1.095 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

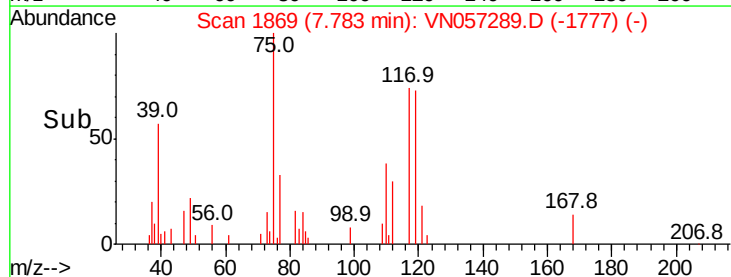
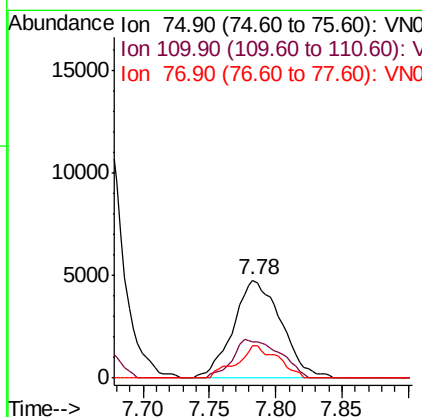
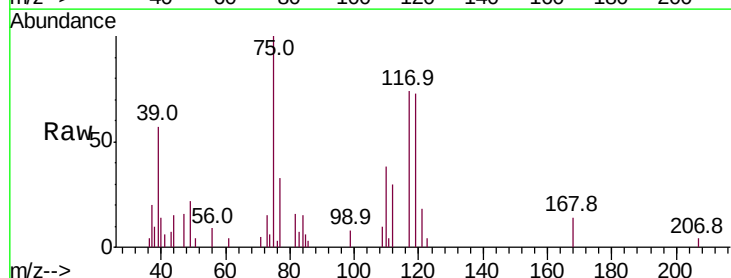
Instrument :
 MSVOA_N
 ClientSampled :

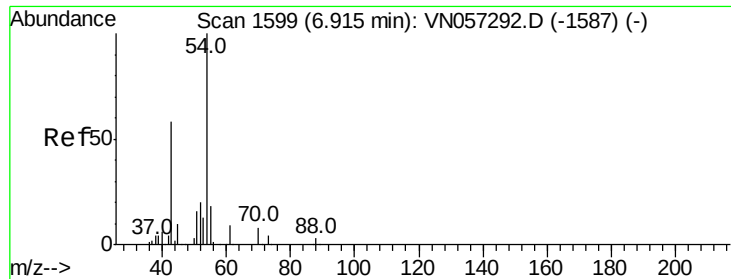
Tot Ion:113 Resp: 9127
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.1 123.1
 192 13.3 19.3 28.9#



#36
 1,1-Dichloropropene
 Concen: 1.049 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion: 75 Resp: 11986
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.5 58.5
 77 28.4 25.0 37.6

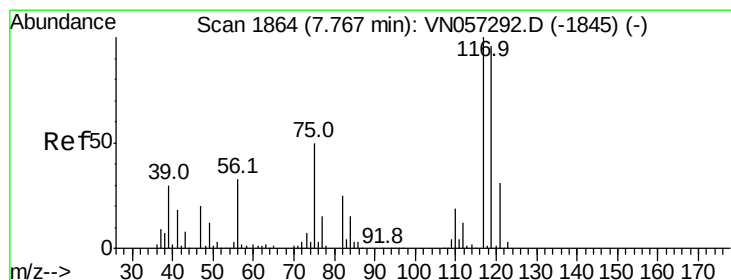
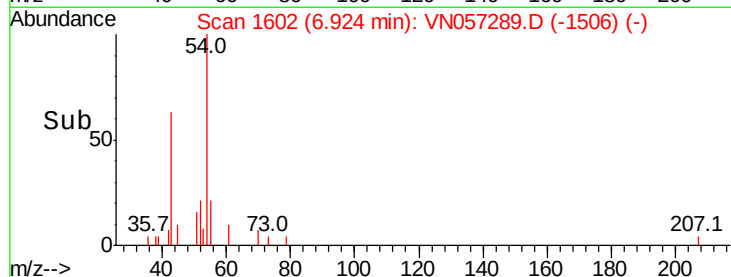
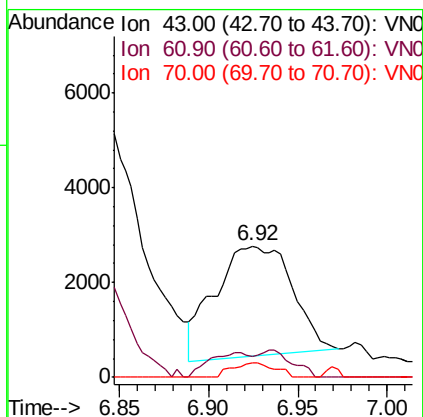
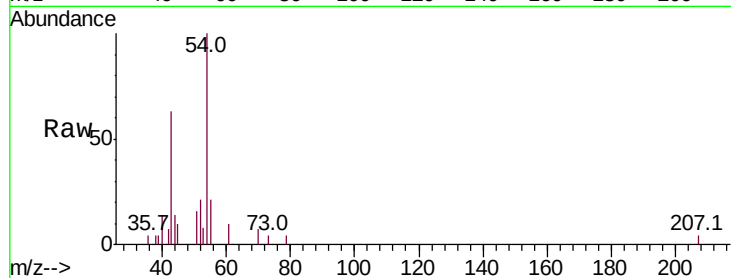




#37
Ethyl Acetate
Concen: 0.750 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

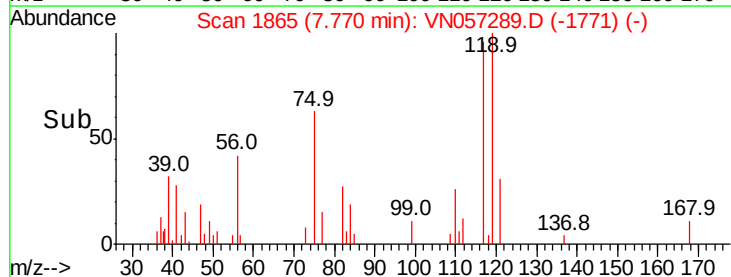
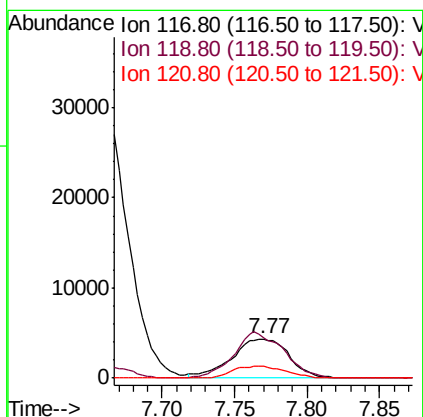
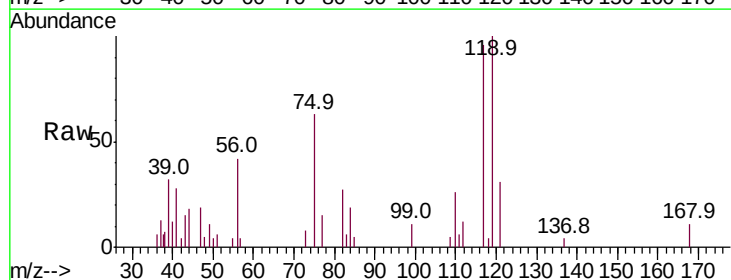
Instrument :
MSVOA_N
ClientSampled :

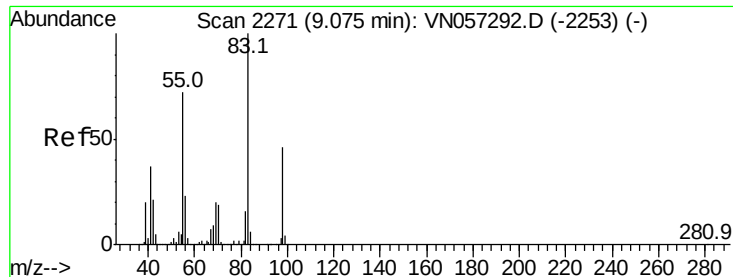
Tot Ion: 43 Resp: 7018
Ion Ratio Lower Upper
43 100
61 9.6 12.0 18.0#
70 7.3 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 0.984 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 117 Resp: 11967
Ion Ratio Lower Upper
117 100
119 104.1 76.8 115.2
121 31.8 25.0 37.4

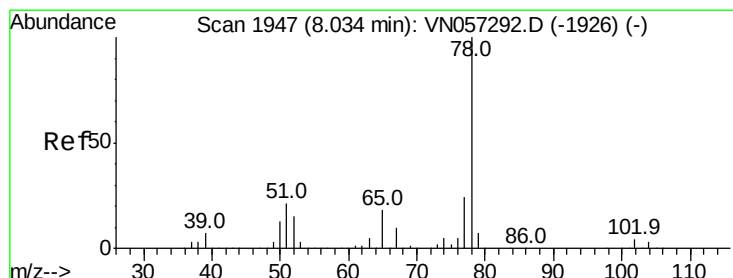
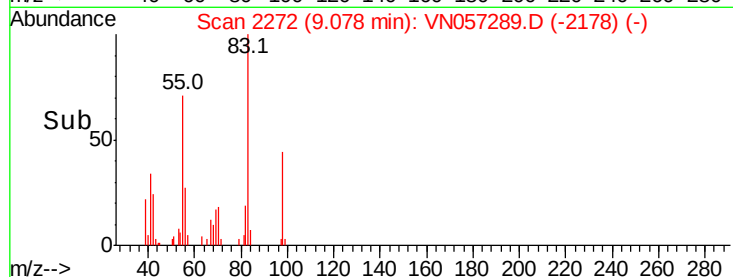
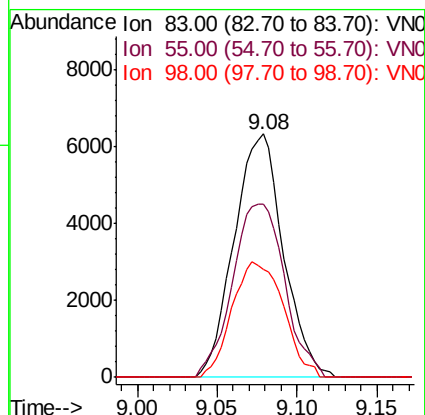
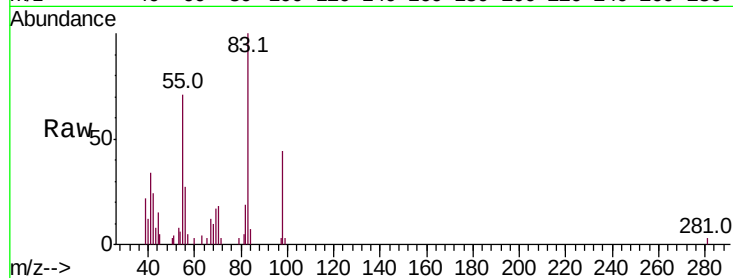




#39
Methvlcvclohexane
Concen: 0.984 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

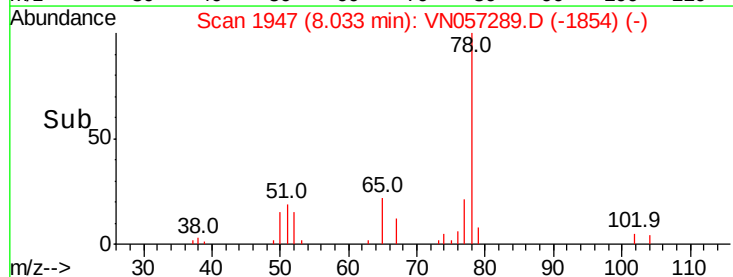
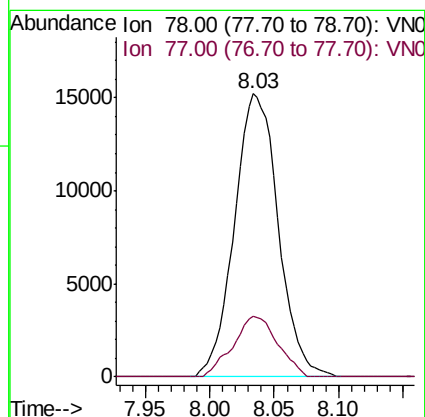
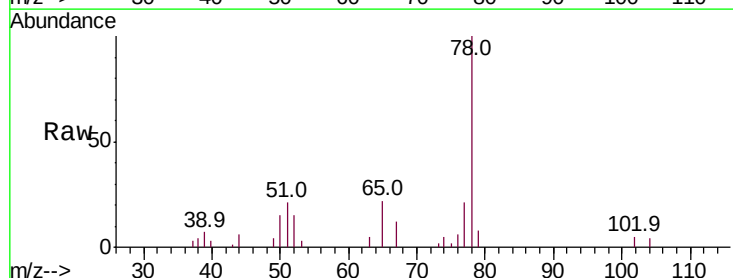
Instrument :
MSVOA_N
ClientSampleId :

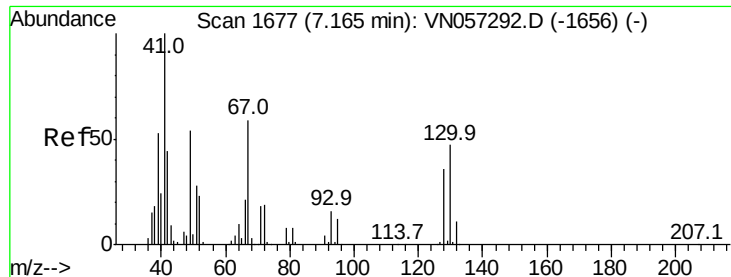
Tot Ion: 83 Resp: 13298
Ion Ratio Lower Upper
83 100
55 71.0 57.5 86.3
98 44.2 36.6 55.0



#40
Benzene
Concen: 1.031 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 78 Resp: 36006
Ion Ratio Lower Upper
78 100
77 21.4 19.1 28.7

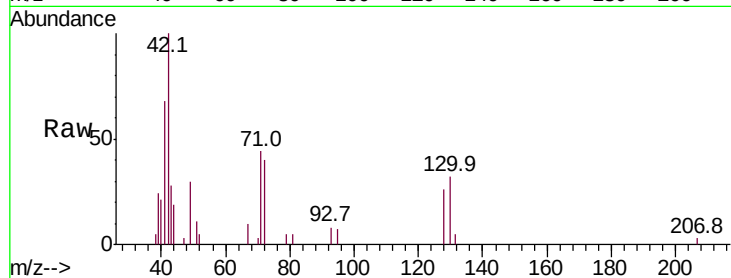




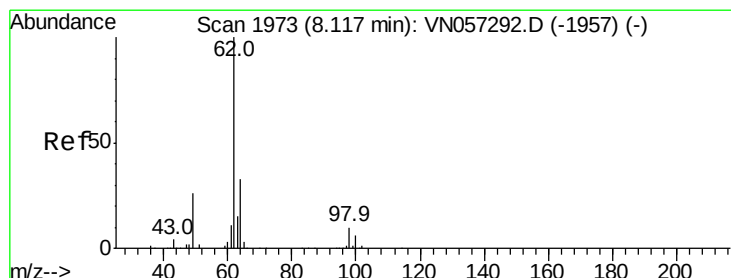
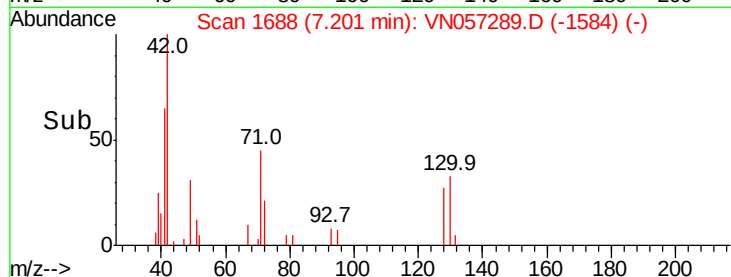
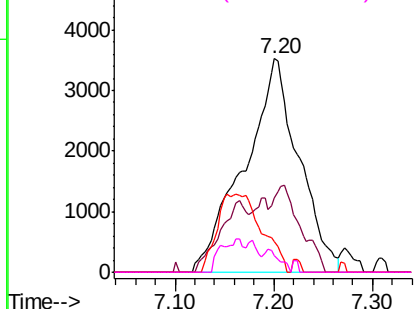
#41
Methacrylonitrile
Concen: 3.448 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.04 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 13479
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 2.9 0.0 0.0#

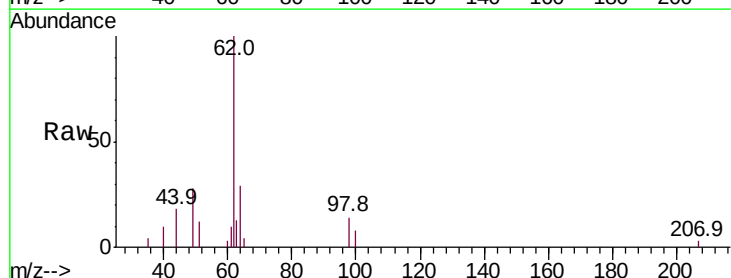


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

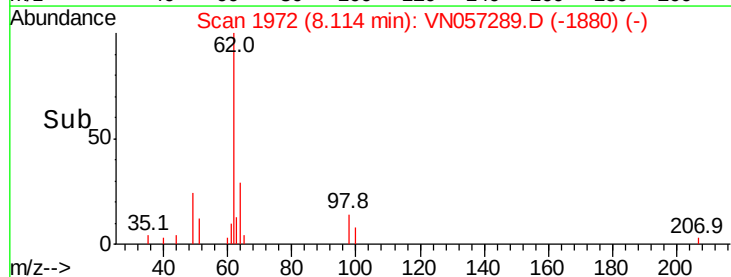
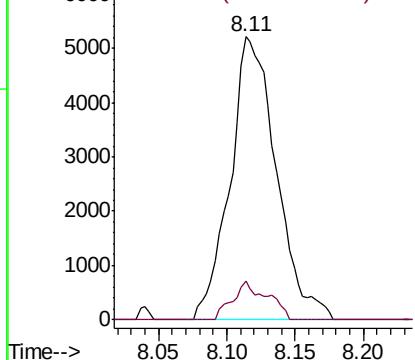


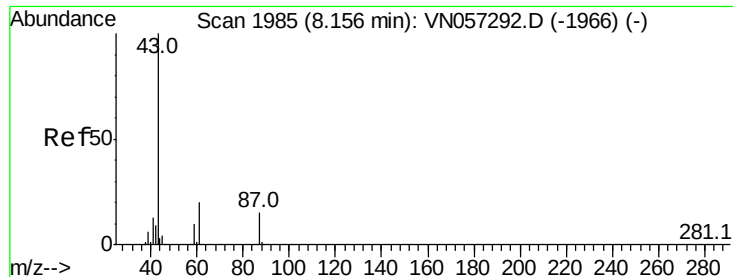
#42
1,2-Dichloroethane
Concen: 1.091 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 62 Resp: 12245
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 1.351 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.02 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

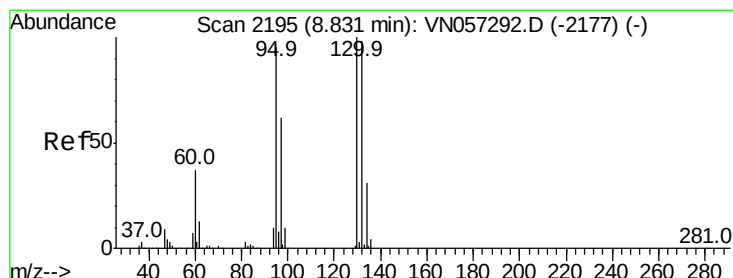
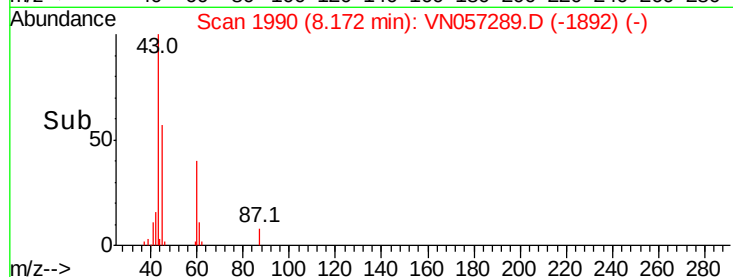
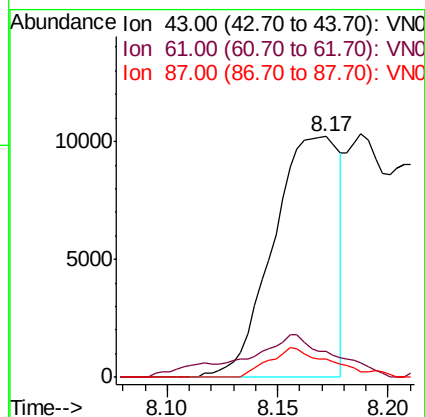
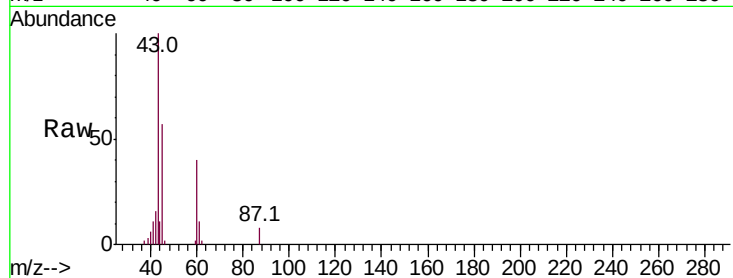
Tot Ion: 43 Resp: 21019

Ion Ratio Lower Upper

43 100

61 24.2 21.6 32.4

87 11.2 11.4 17.0#



#44

Trichloroethene

Concen: 1.024 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057289.D

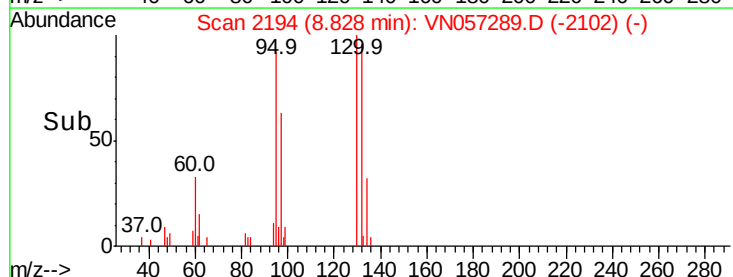
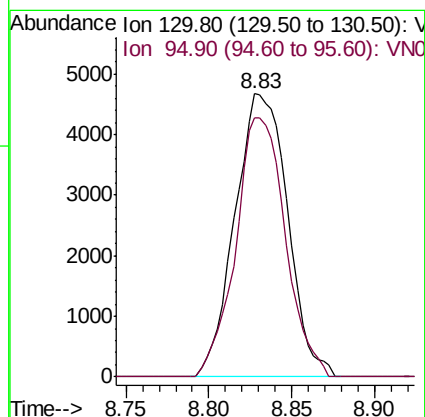
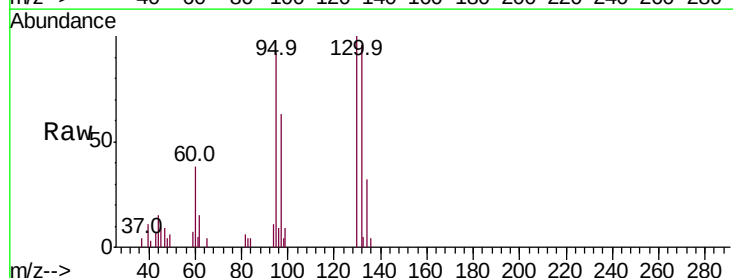
Acq: 14 Aug 2019 16:14

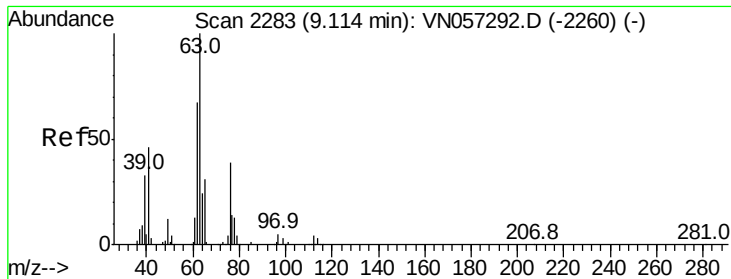
Tgt Ion:130 Resp: 10314

Ion Ratio Lower Upper

130 100

95 91.6 0.0 189.2





#45

1,2-Dichloropropane

Concen: 1.019 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

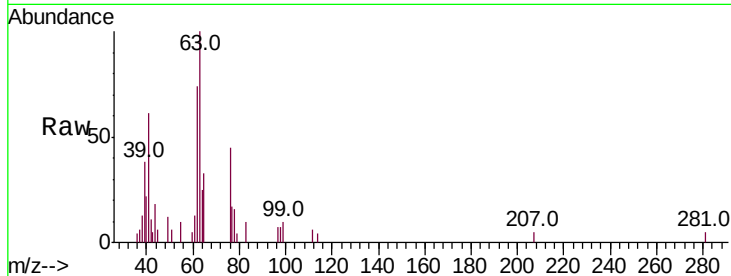
ClientSampleId :

Tot Ion: 63 Resp: 9037

Ion Ratio Lower Upper

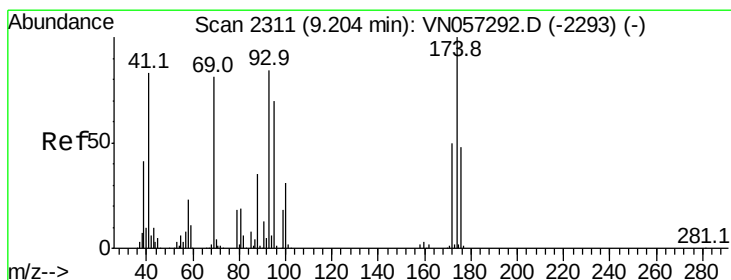
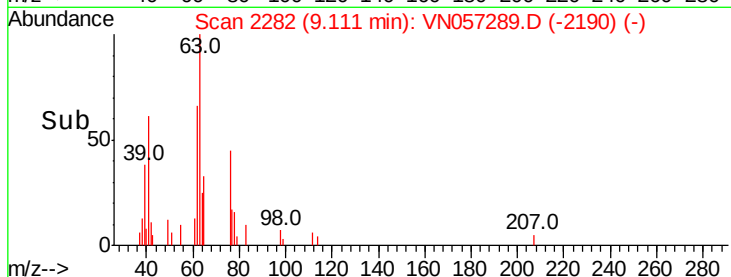
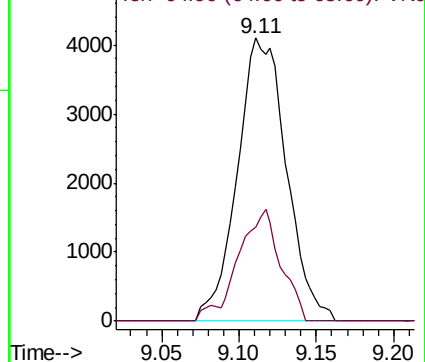
63 100

65 33.2 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 1.085 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

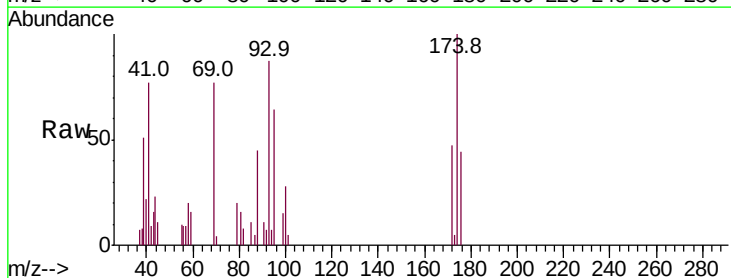
Tgt Ion: 93 Resp: 6471

Ion Ratio Lower Upper

93 100

95 77.4 66.5 99.7

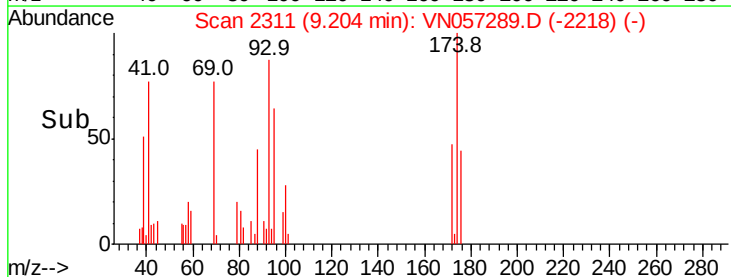
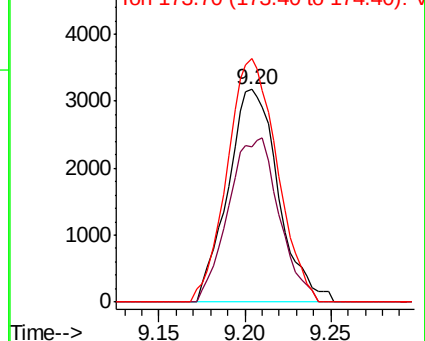
174 113.1 95.7 143.5

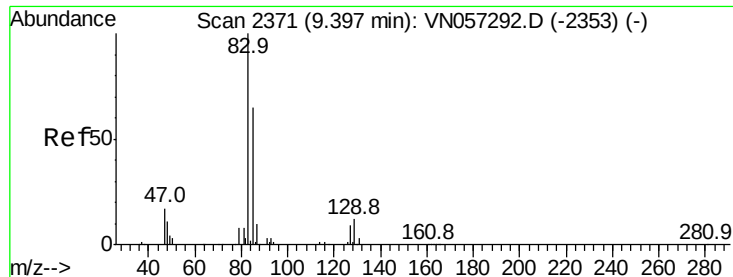


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.073 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

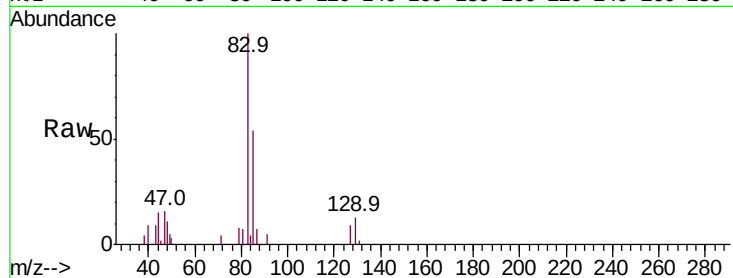
Tot Ion: 83 Resp: 12362

Ion Ratio Lower Upper

83 100

85 53.7 51.9 77.9

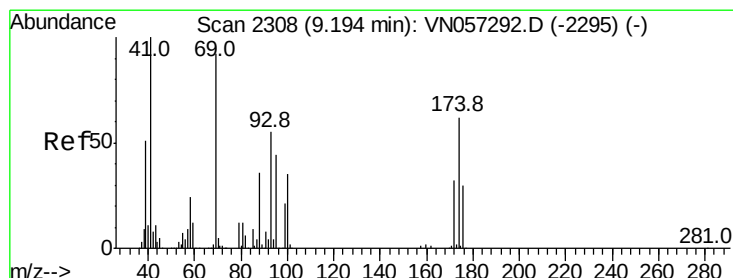
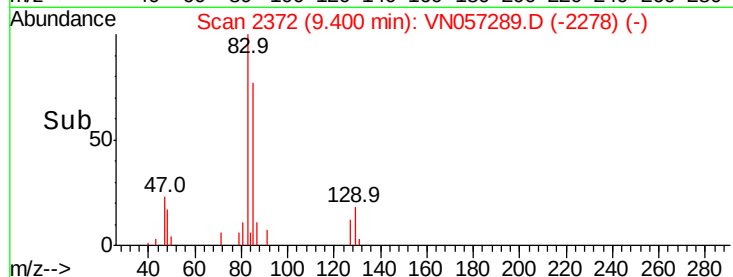
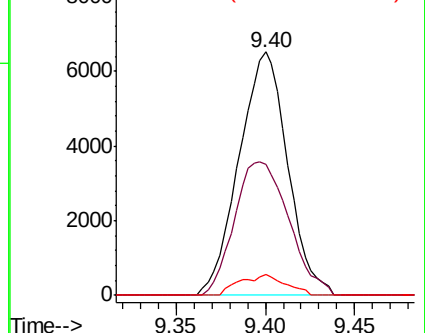
127 8.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN057289.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN057289.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN057289.D (-2353) (-)



#48

Methyl methacrylate

Concen: 1.045 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

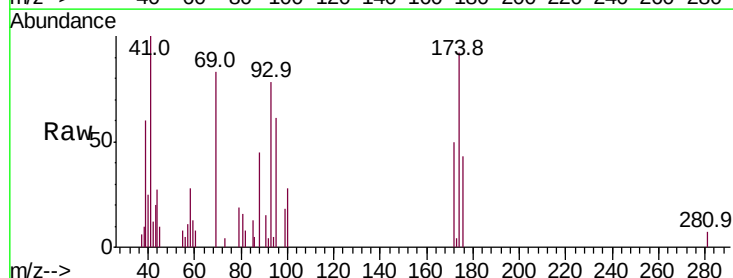
Tgt Ion: 41 Resp: 7454

Ion Ratio Lower Upper

41 100

69 86.6 75.9 113.9

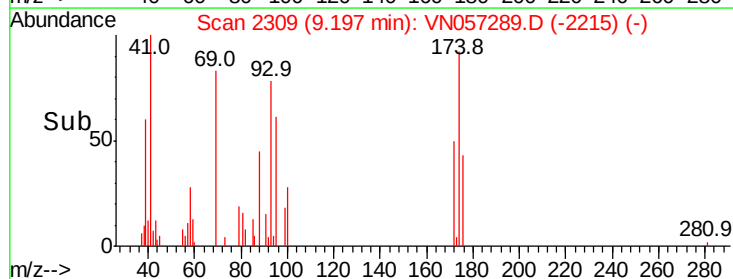
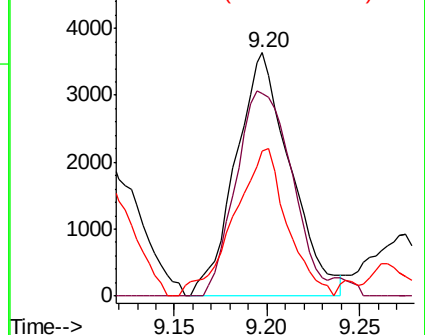
39 58.6 42.3 63.5

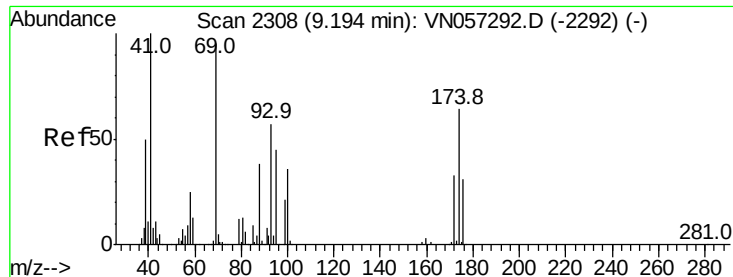


Abundance Ion 41.00 (40.70 to 41.70): VN057289.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057289.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057289.D (-2295) (-)

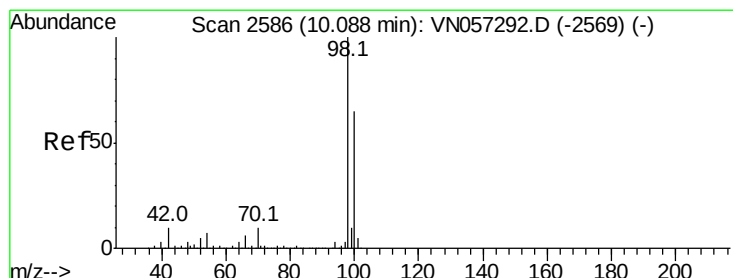
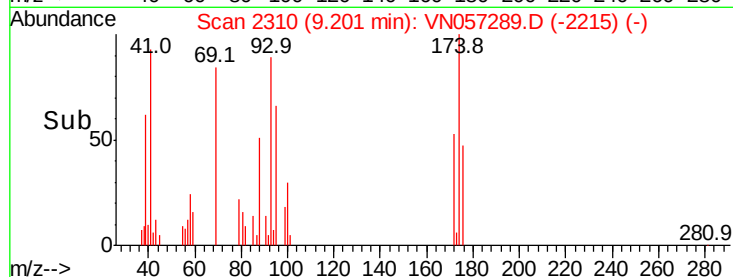
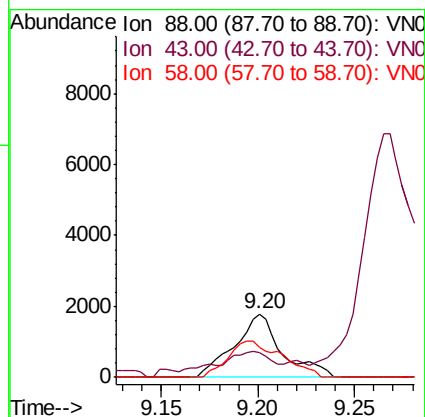
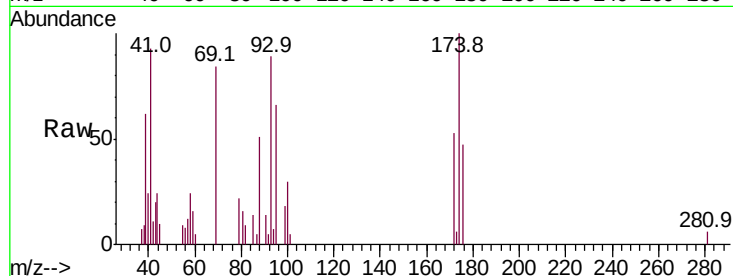




#49
 1,4-Dioxane
 Concen: 19.063 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

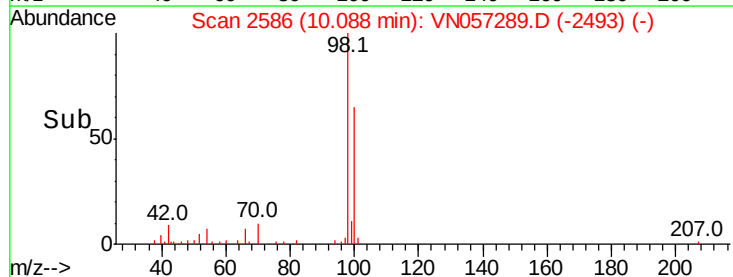
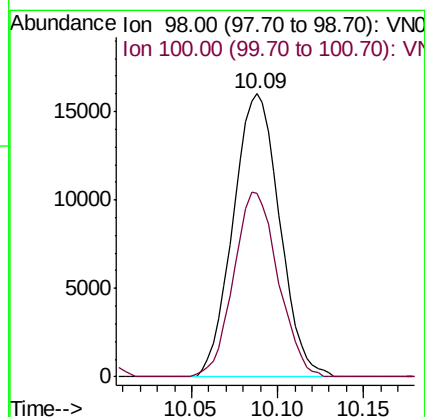
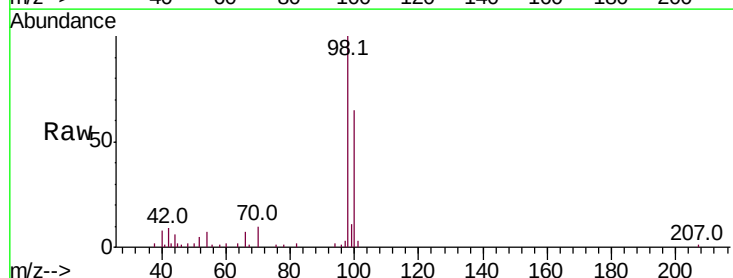
Instrument :
 MSVOA_N
 ClientSampleId :

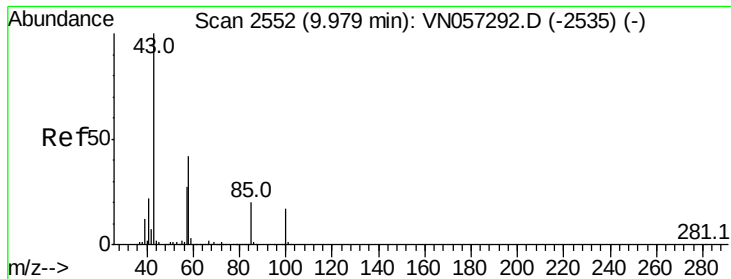
Tot Ion: 88 Resp: 3054
 Ion Ratio Lower Upper
 88 100
 43 35.9 22.9 34.3#
 58 64.7 52.7 79.1



#50
 Toluene-d8
 Concen: 0.992 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion: 98 Resp: 30152
 Ion Ratio Lower Upper
 98 100
 100 62.2 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 4.961 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

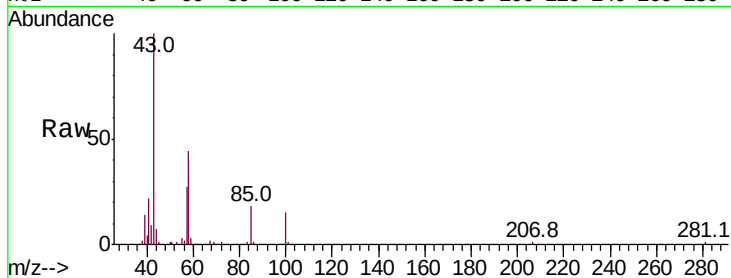
ClientSampleId :

Tot Ion: 43 Resp: 44935

Ion Ratio Lower Upper

43 100

58 41.8 33.2 49.8



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

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

9.98

25000

20000

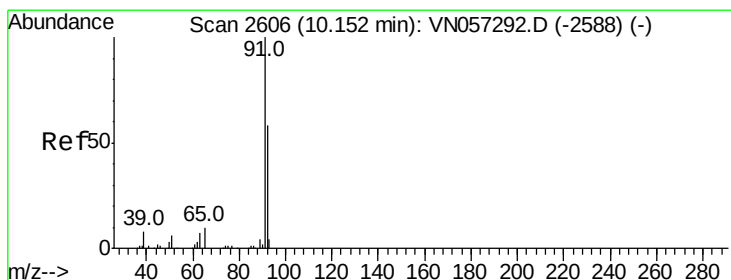
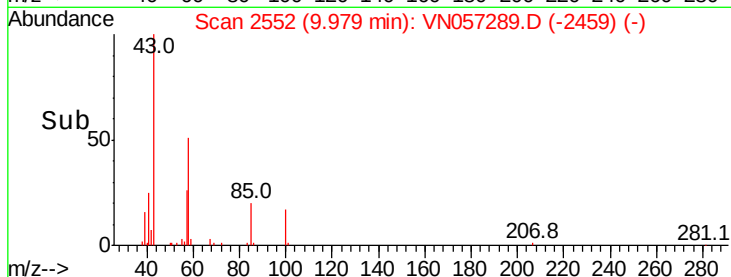
15000

10000

5000

0

Time-->



#52

Toluene

Concen: 0.974 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN057289.D

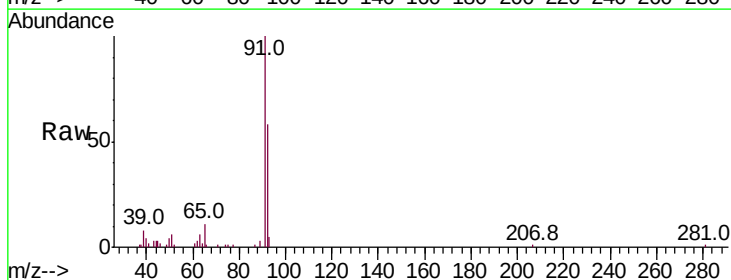
Acq: 14 Aug 2019 16:14

Tgt Ion: 92 Resp: 21109

Ion Ratio Lower Upper

92 100

91 182.1 138.9 208.3



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

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

10.16

20000

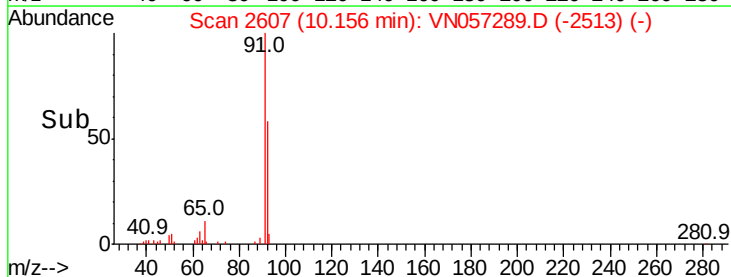
15000

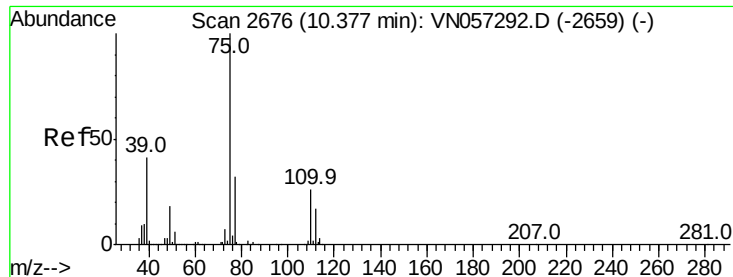
10000

5000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.975 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

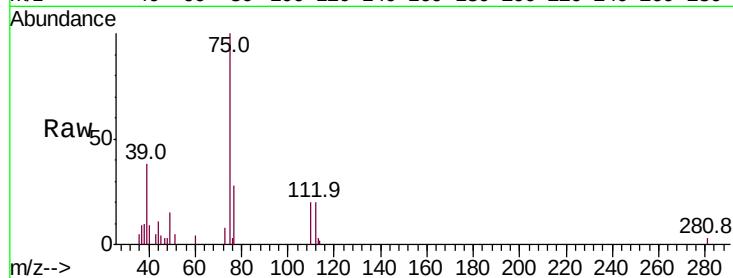
ClientSampleId :

Tot Ion: 75 Resp: 12015

Ion Ratio Lower Upper

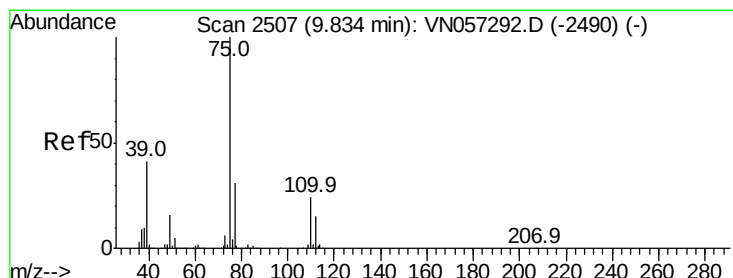
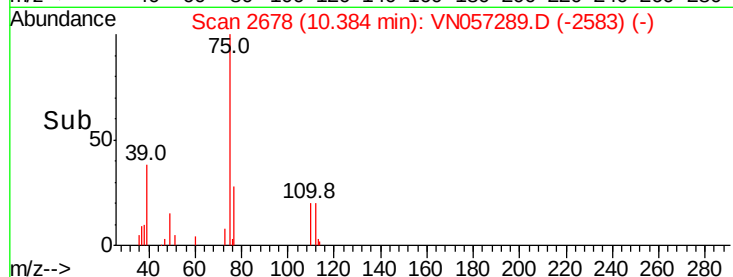
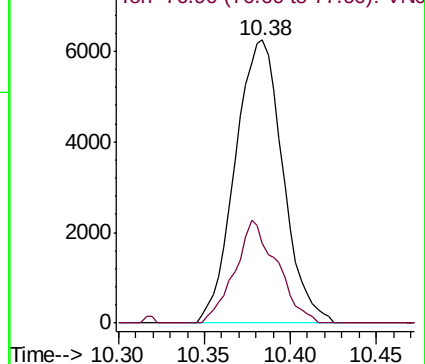
75 100

77 28.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.993 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

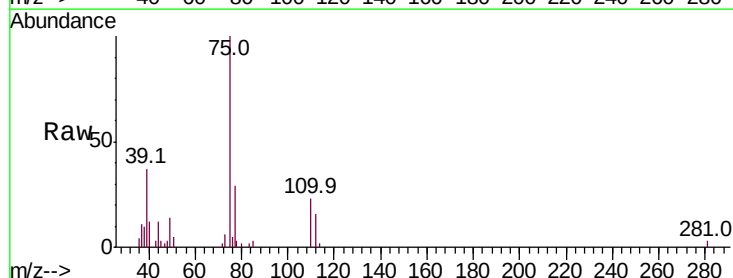
Tgt Ion: 75 Resp: 13779

Ion Ratio Lower Upper

75 100

77 29.0 24.9 37.3

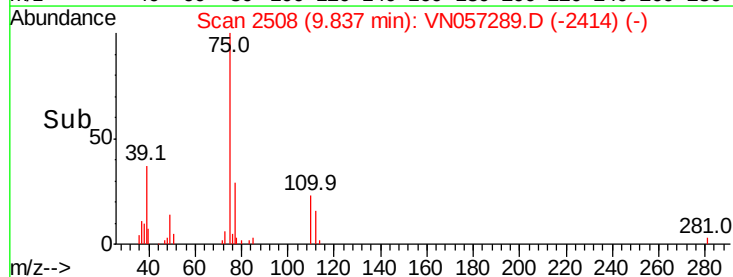
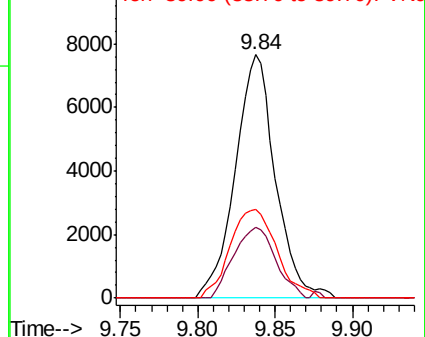
39 36.6 32.7 49.1

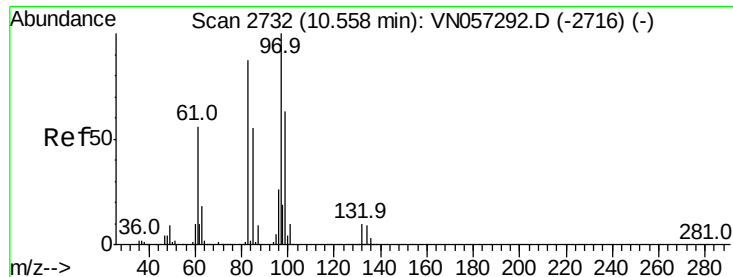


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 1.020 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

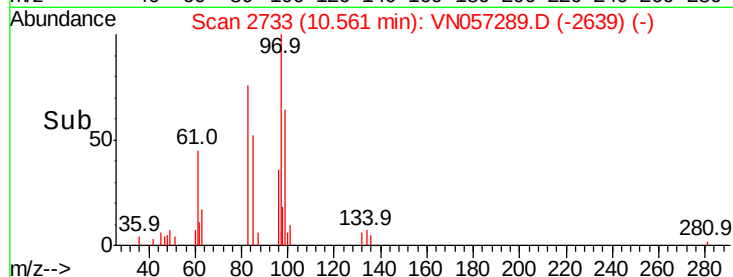
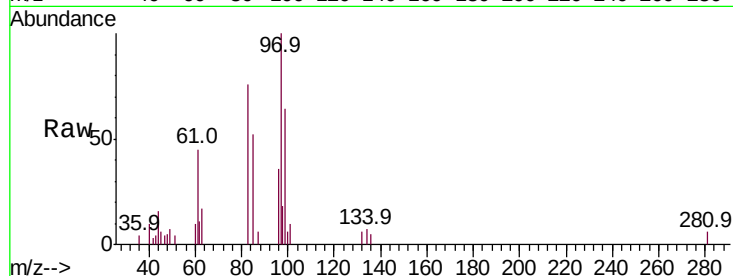
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 8679

Ion	Ratio	Lower	Upper
97	100		
83	76.0	69.8	104.8
85	51.6	44.1	66.1
99	63.7	50.2	75.2

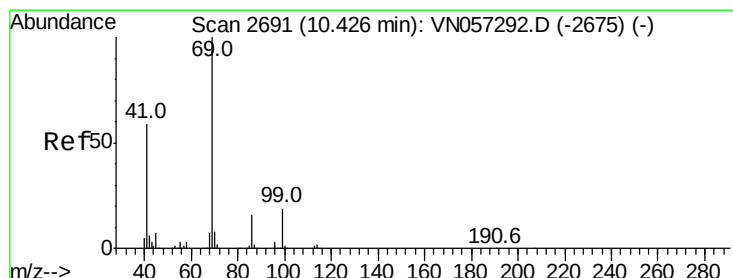
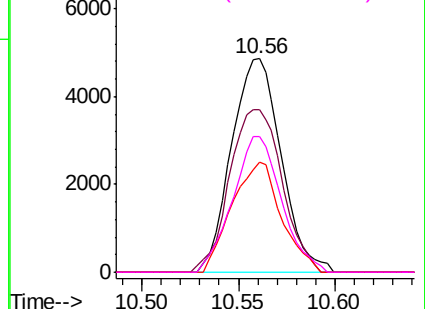


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.860 ug/l

RT: 10.43 min Scan# 2692

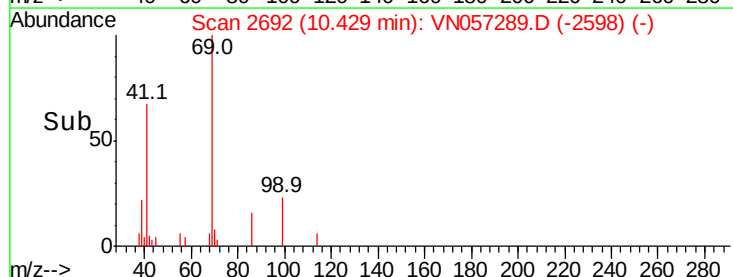
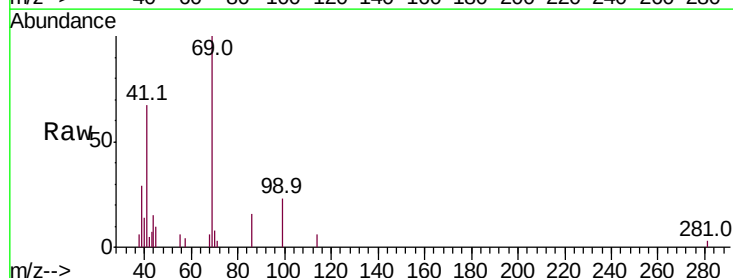
Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion: 69 Resp: 10332

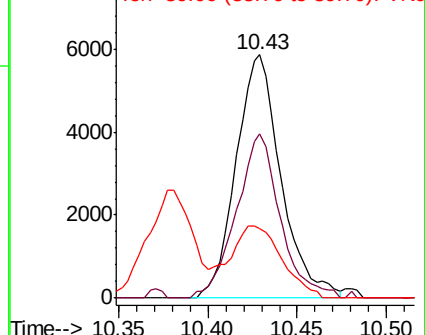
Ion	Ratio	Lower	Upper
69	100		
41	65.9	48.2	72.2
39	32.0	23.4	35.0

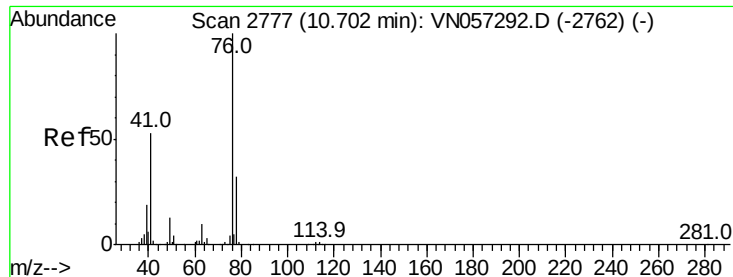


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.015 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

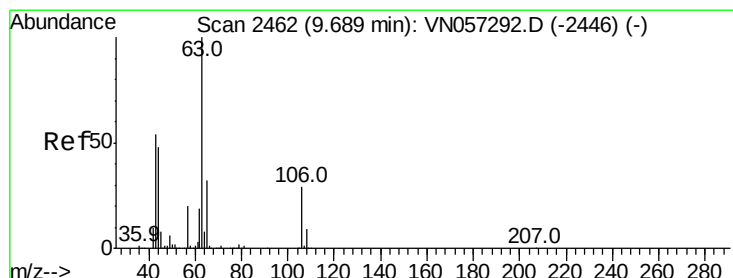
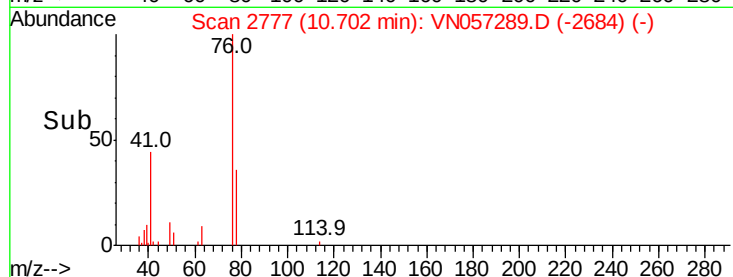
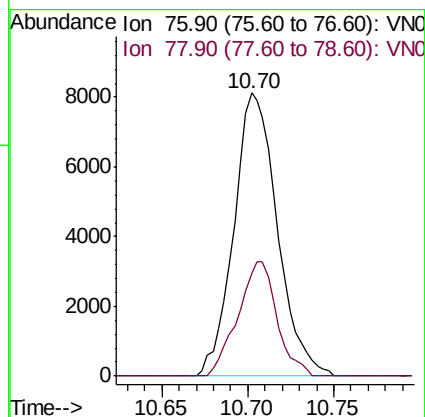
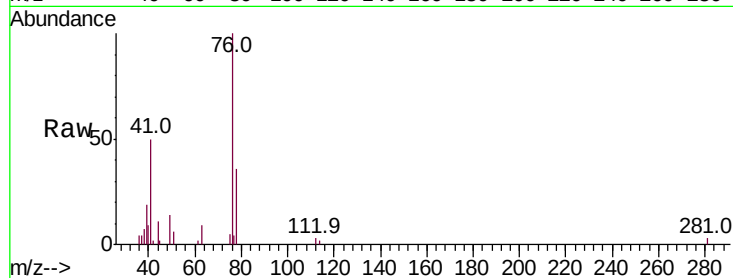
ClientSampled :

Tot Ion: 76 Resp: 14255

Ion Ratio Lower Upper

76 100

78 36.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 4.148 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057289.D

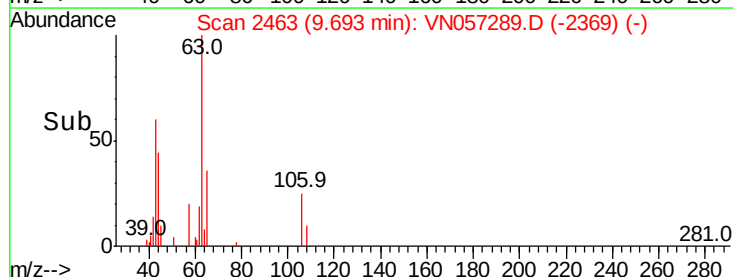
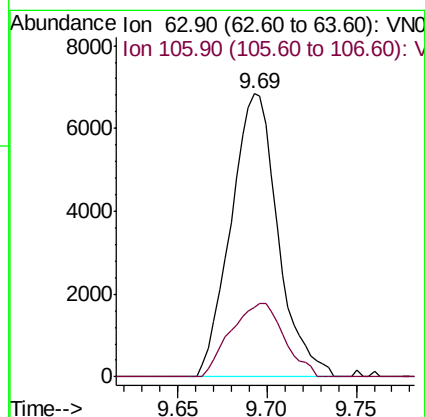
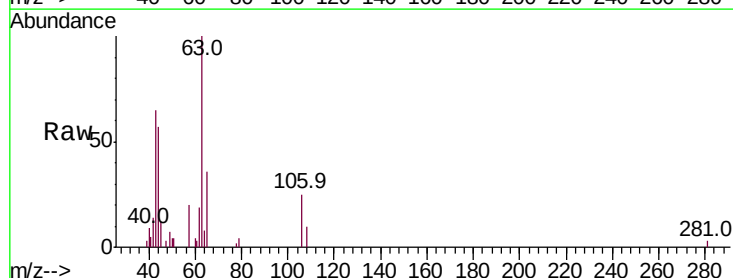
Acq: 14 Aug 2019 16:14

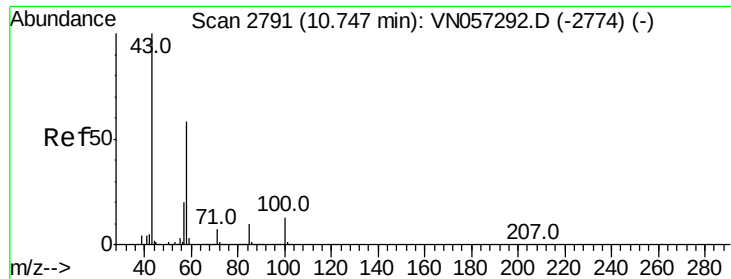
Tgt Ion: 63 Resp: 12526

Ion Ratio Lower Upper

63 100

106 29.5 23.2 34.8

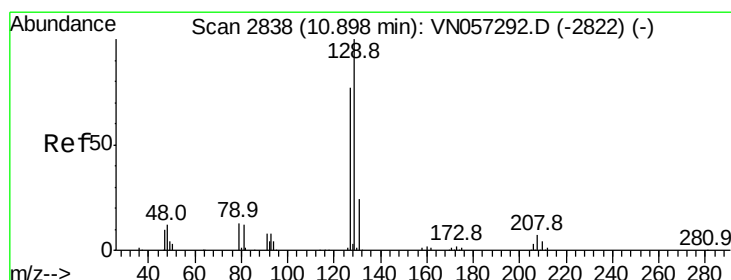
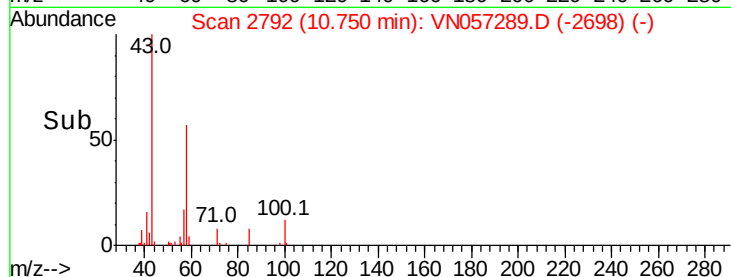
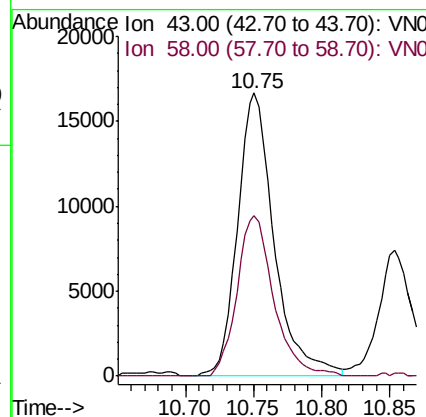
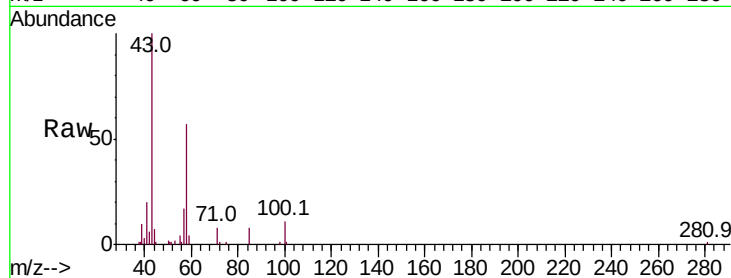




#59
2-Hexanone
Concen: 4.823 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

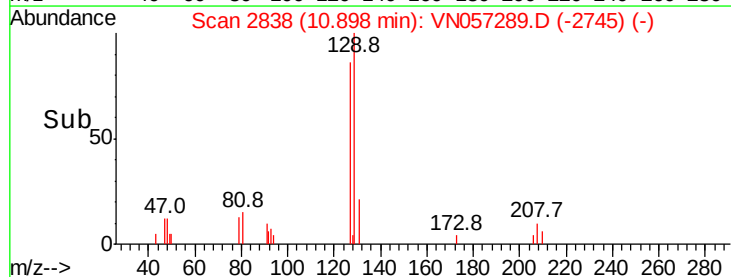
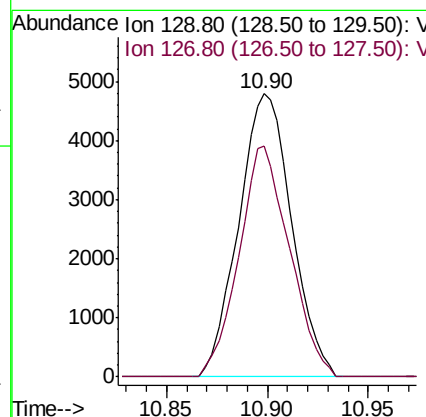
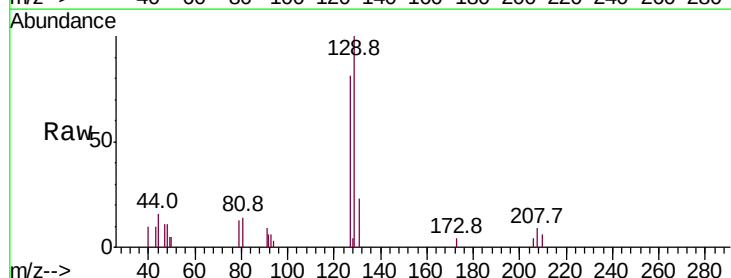
Instrument :
MSVOA_N
ClientSampleId :

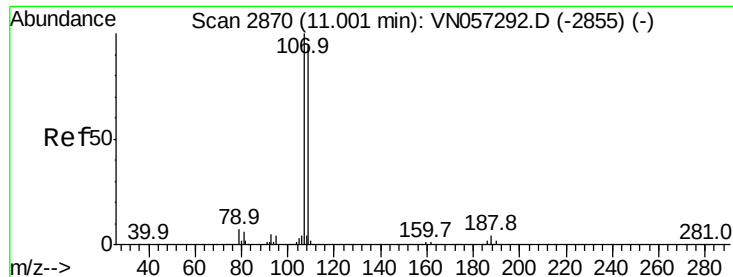
Tot Ion: 43 Resp: 31046
Ion Ratio Lower Upper
43 100
58 56.9 28.6 85.9



#60
Dibromochloromethane
Concen: 0.919 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 129 Resp: 8773
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9





#61

1,2-Dibromoethane

Concen: 1.023 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

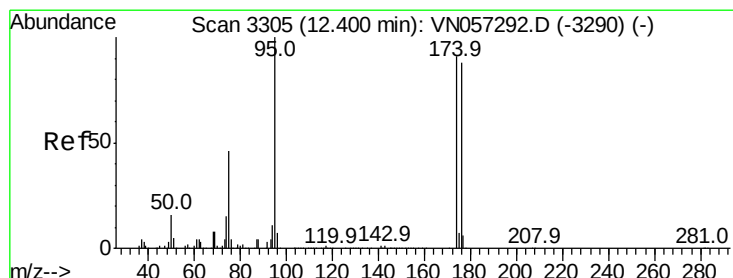
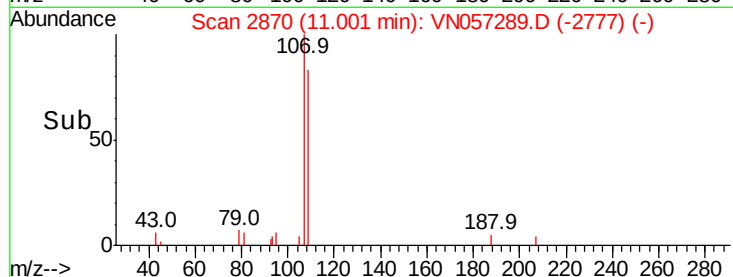
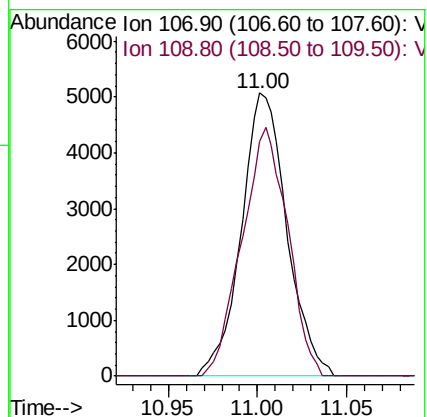
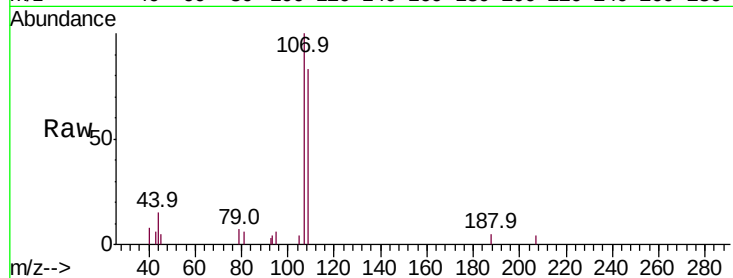
ClientSampleId :

Tot Ion:107 Resp: 9043

Ion Ratio Lower Upper

107 100

109 88.4 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 0.995 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

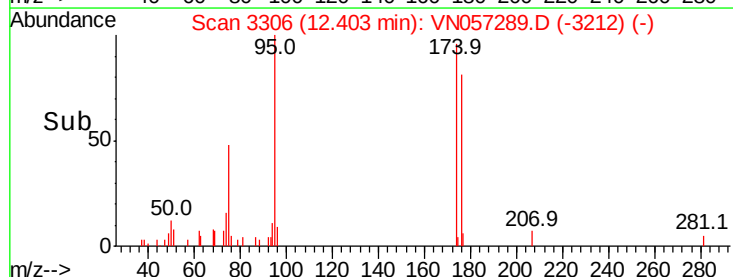
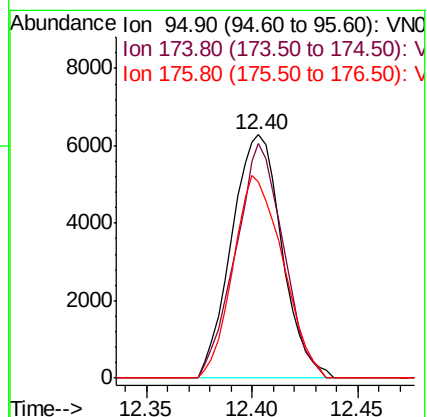
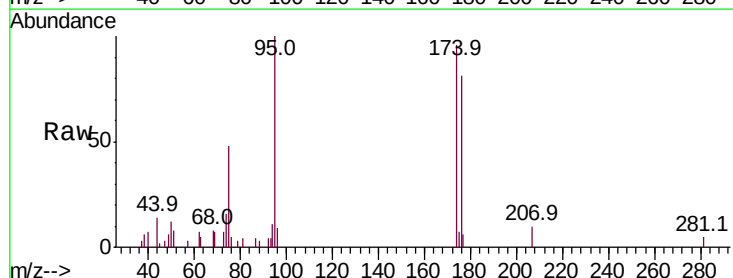
Tgt Ion: 95 Resp: 10430

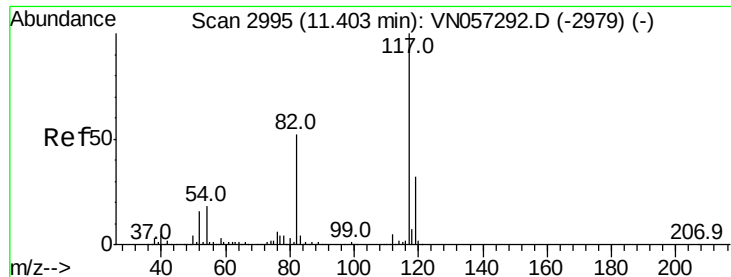
Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.0

176 82.3 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: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

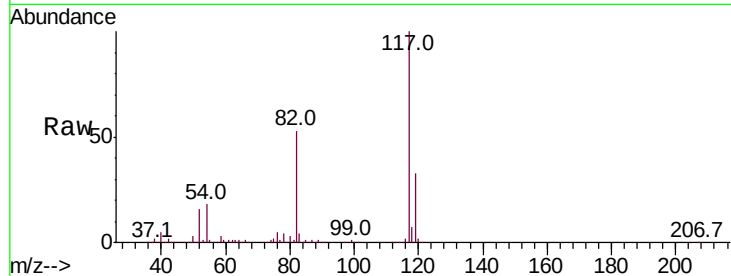
Tot Ion:117 Resp: 1087140

Ion Ratio Lower Upper

117 100

82 52.6 41.2 61.8

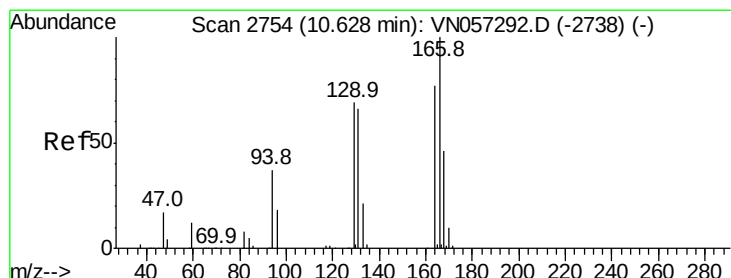
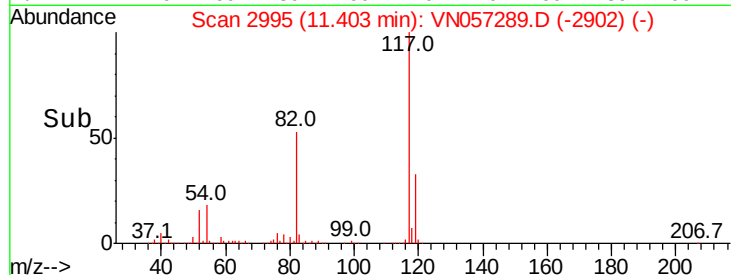
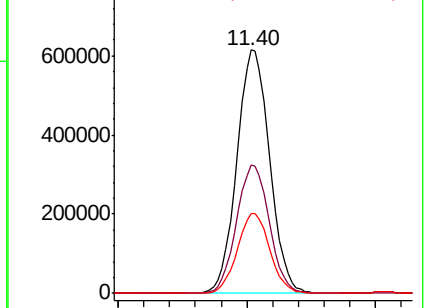
119 32.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 1.134 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:164 Resp: 10841

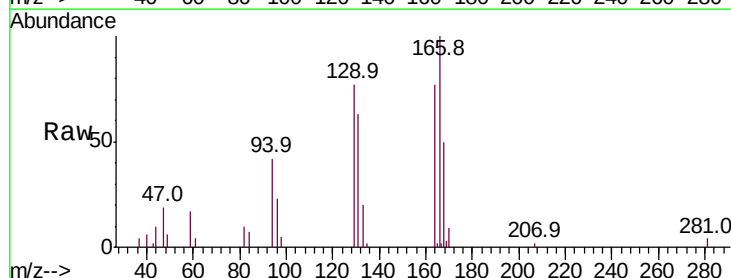
Ion Ratio Lower Upper

164 100

166 129.1 103.5 155.3

129 98.8 71.2 106.8

131 81.6 68.2 102.4

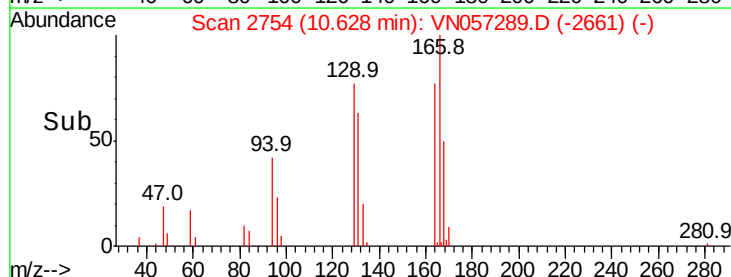
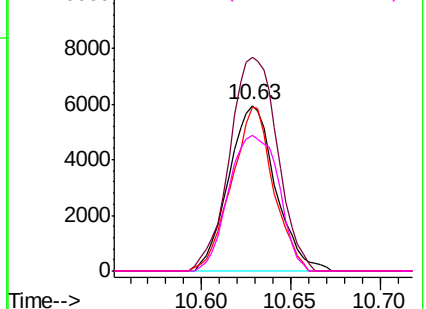


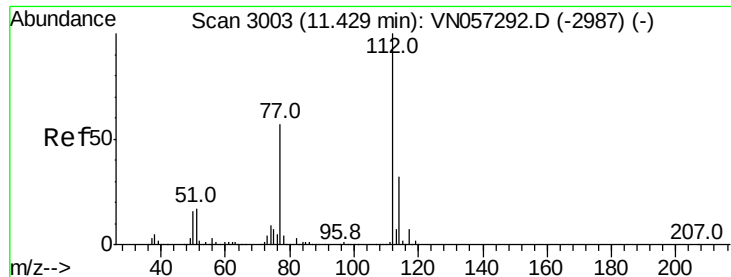
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

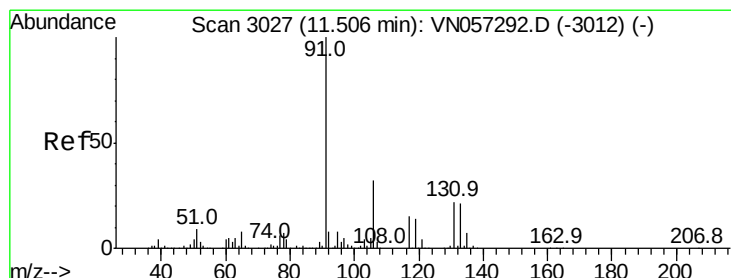
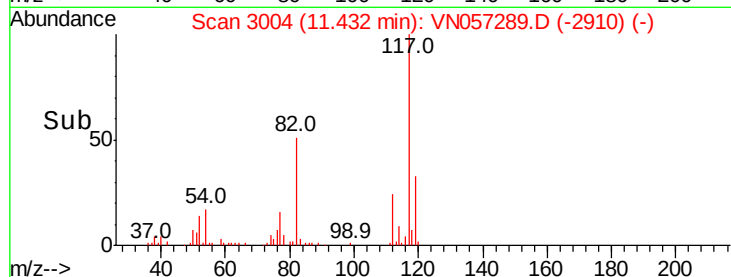
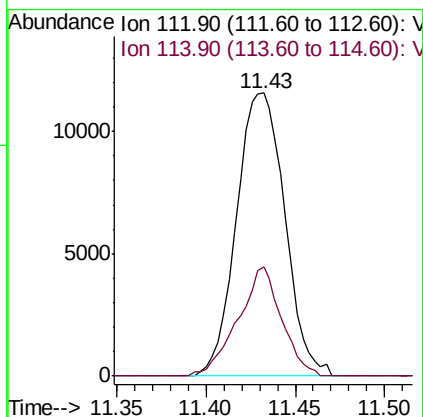
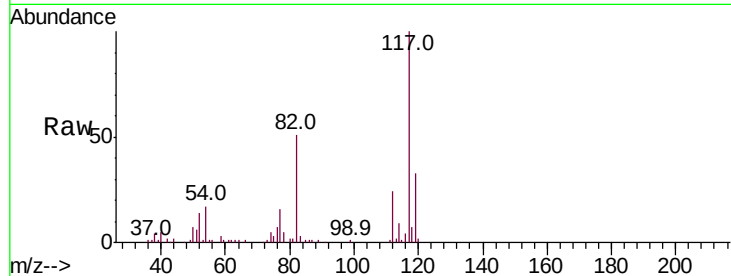




#65
Chlorobenzene
Concen: 0.989 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

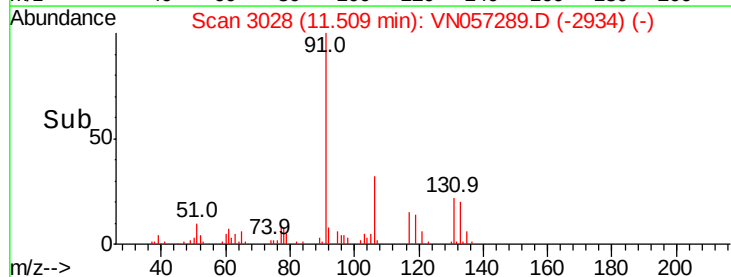
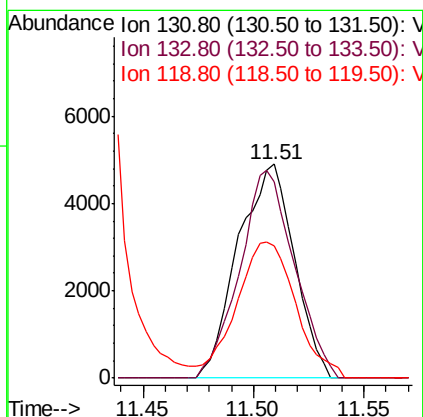
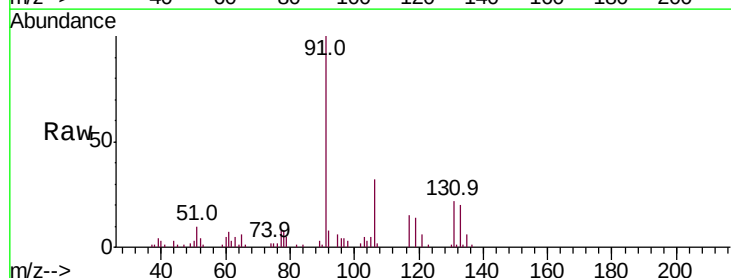
Instrument :
MSVOA_N
ClientSampled :

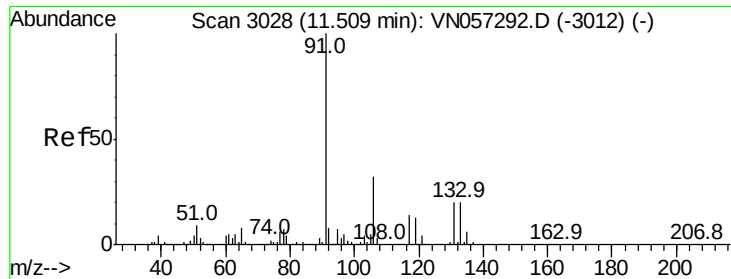
Tot Ion:112 Resp: 21887
Ion Ratio Lower Upper
112 100
114 38.8 25.7 38.5#



#66
1,1,1,2-Tetrachloroethane
Concen: 1.010 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion:131 Resp: 8632
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.8
119 0.0 32.0 96.2#

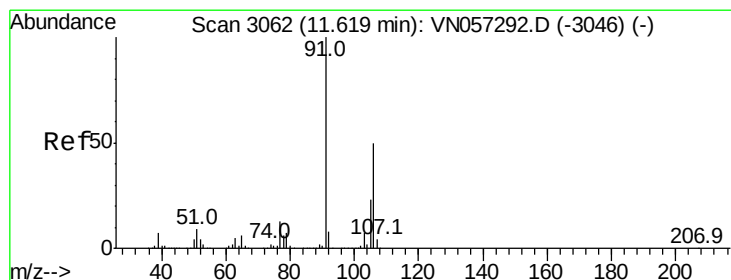
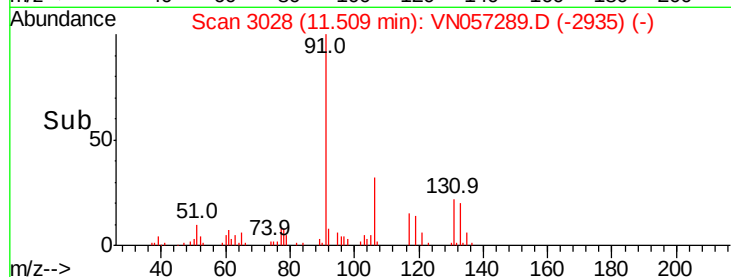
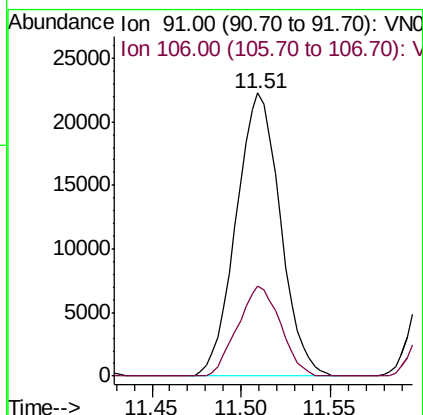
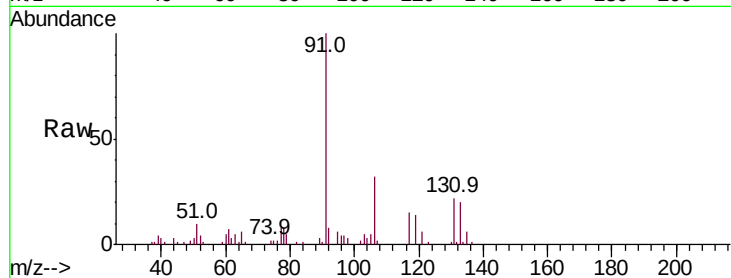




#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

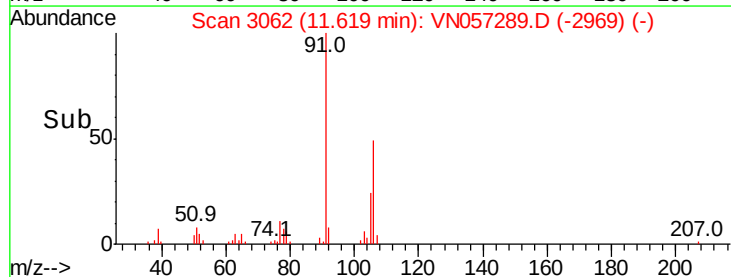
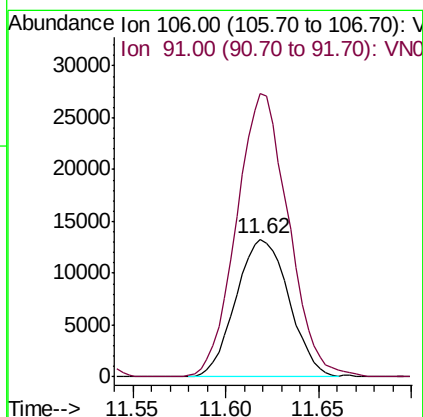
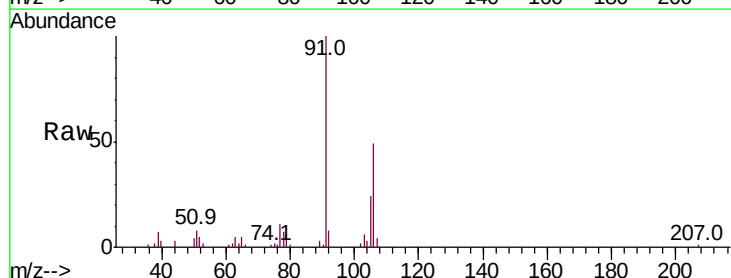
Instrument :
MSVOA_N
ClientSampled :

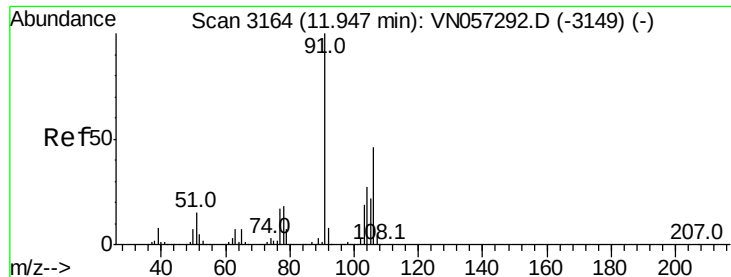
Tot Ion: 91 Resp: 38452
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 1.860 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 106 Resp: 26320
Ion Ratio Lower Upper
106 100
91 202.1 161.5 242.3





#69

o-Xylene

Concen: 0.928 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

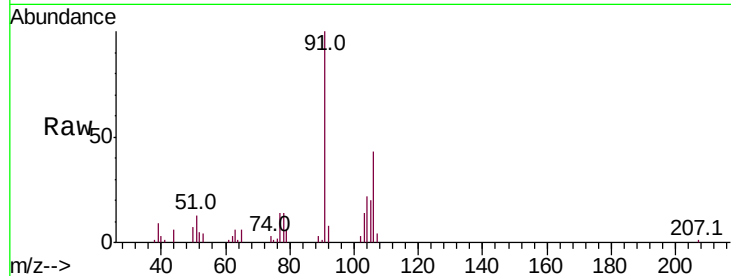
ClientSampleId :

Tot Ion:106 Resp: 12878

Ion Ratio Lower Upper

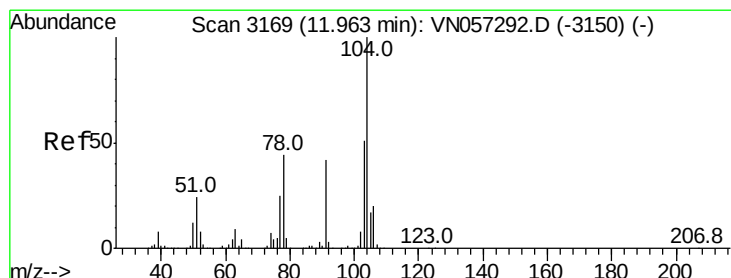
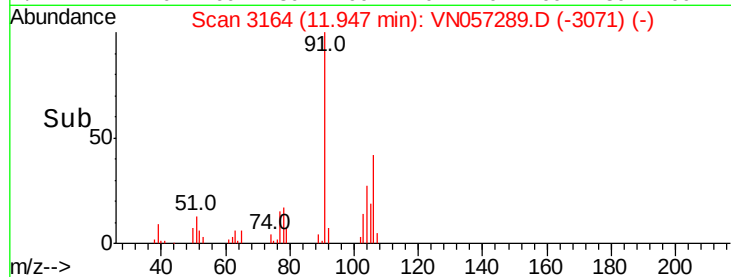
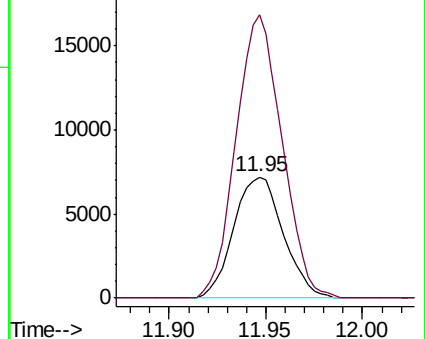
106 100

91 216.5 106.3 319.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 0.869 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

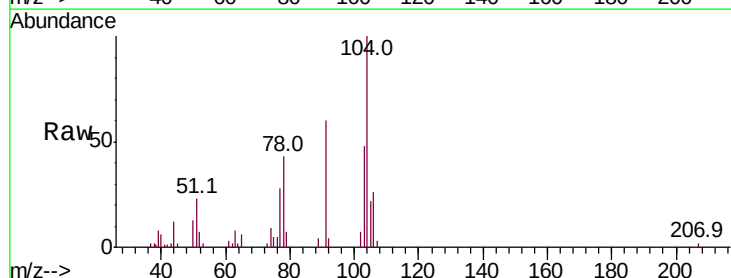
Tgt Ion:104 Resp: 18628

Ion Ratio Lower Upper

104 100

78 48.5 39.2 58.8

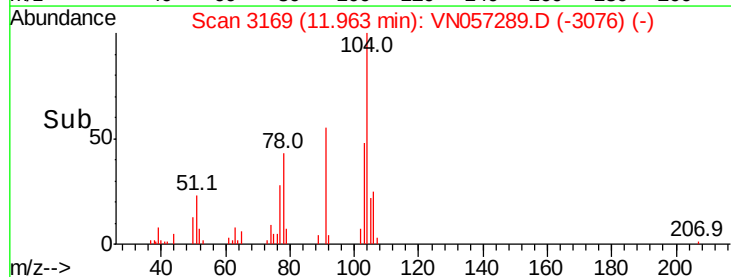
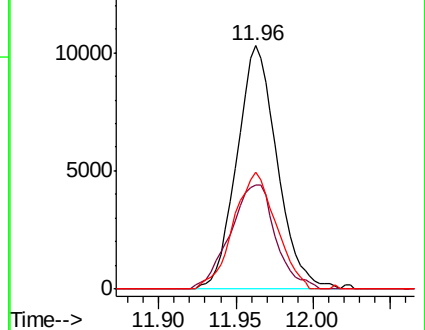
103 50.6 44.6 66.8

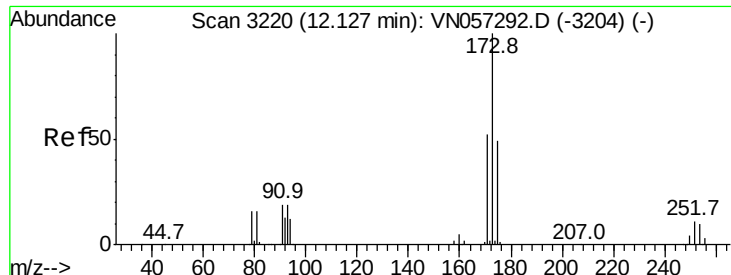


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.896 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

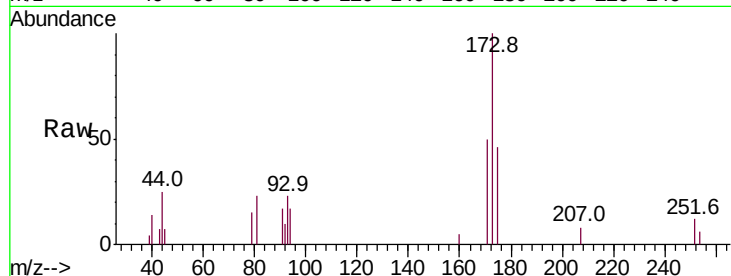
Tot Ion:173 Resp: 5886

Ion Ratio Lower Upper

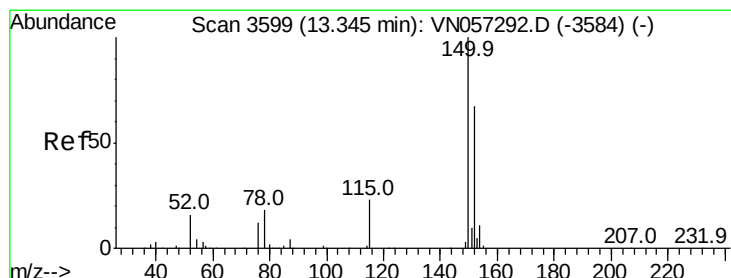
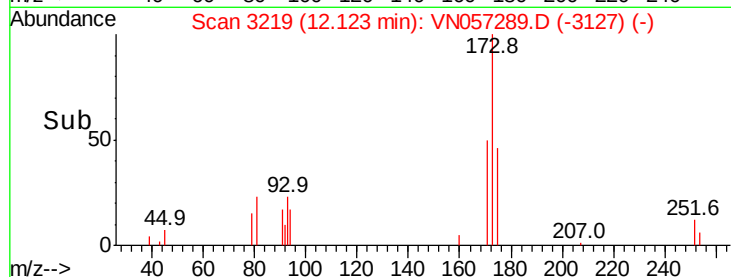
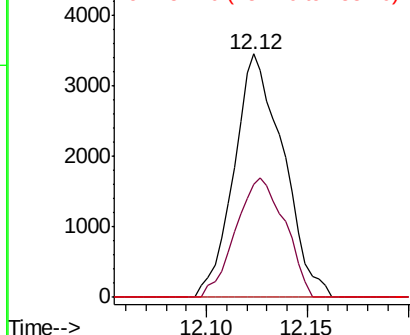
173 100

175 49.0 24.2 72.6

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

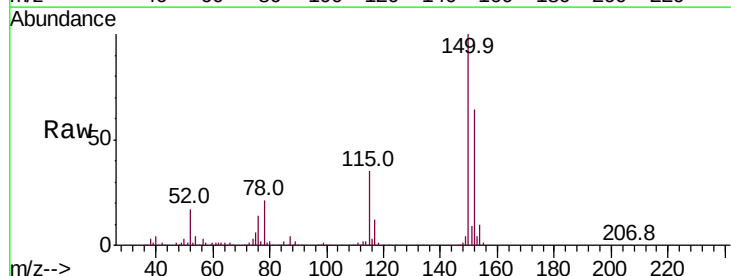
Tgt Ion:152 Resp: 262516

Ion Ratio Lower Upper

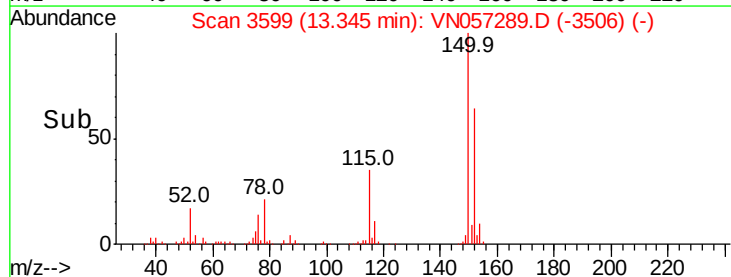
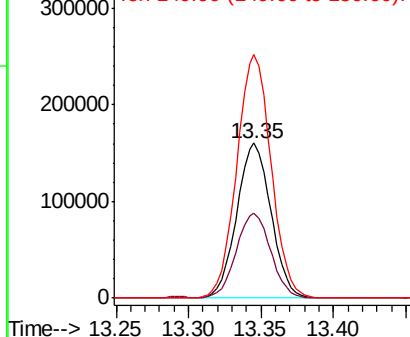
152 100

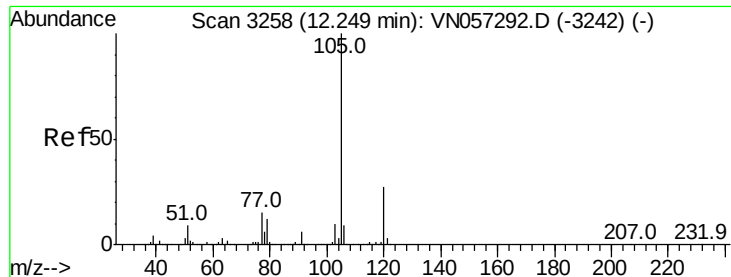
115 54.7 27.3 81.9

150 158.1 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: 1.357 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

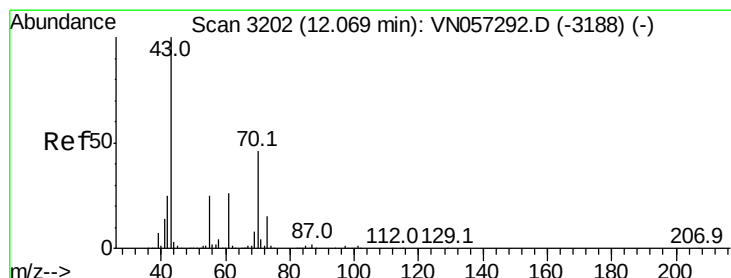
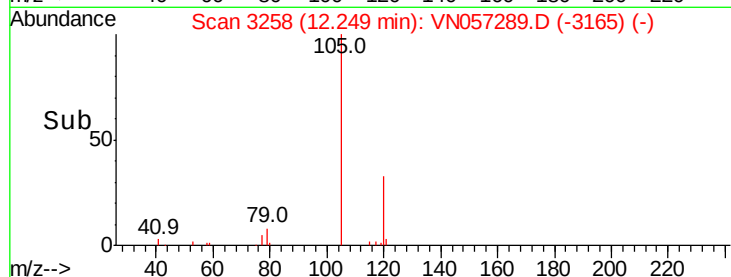
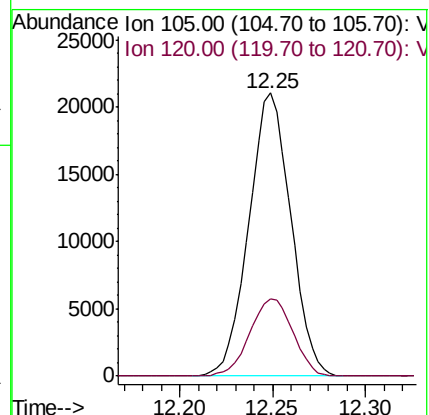
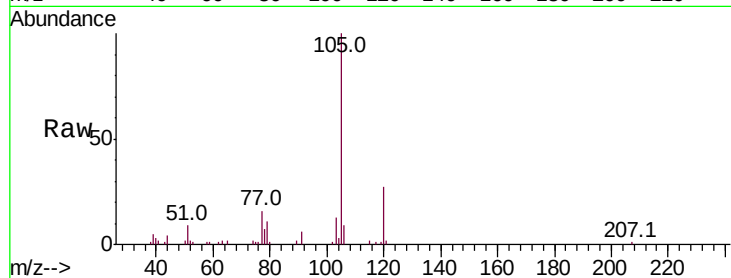
ClientSampleId :

Tot Ion:105 Resp: 33046

Ion Ratio Lower Upper

105 100

120 28.0 13.2 39.6



#74

N-ethyl acetate

Concen: 1.158 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion: 43 Resp: 8230

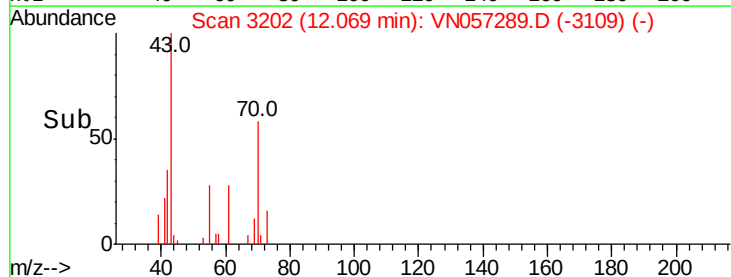
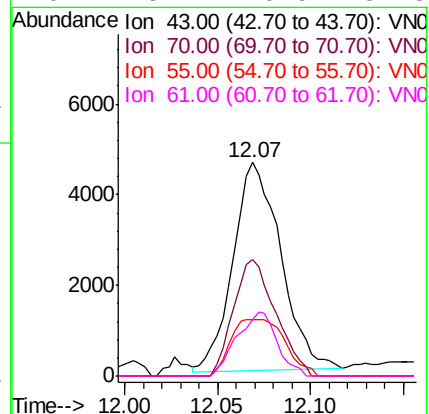
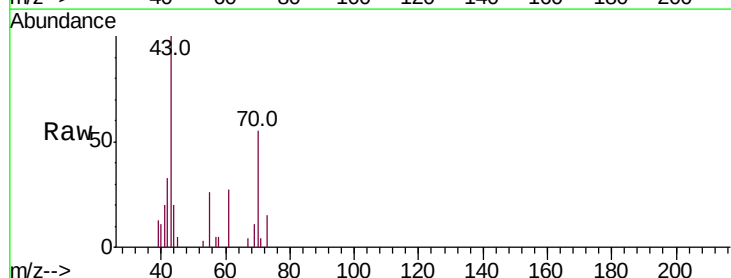
Ion Ratio Lower Upper

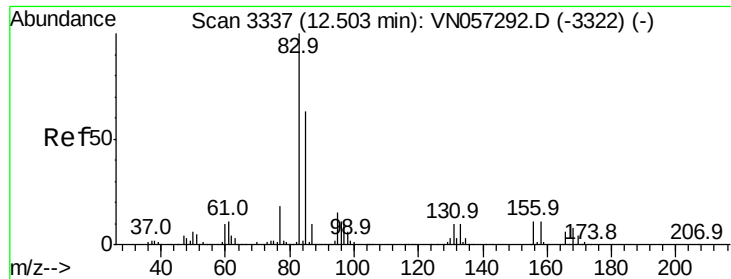
43 100

70 49.3 36.2 54.2

55 30.8 20.1 30.1#

61 25.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 1.515 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

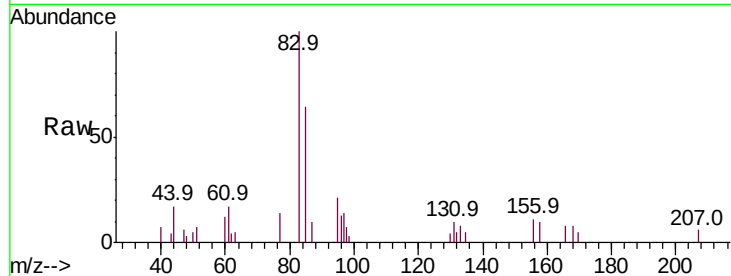
Tot Ion: 83 Resp: 10590

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.4	16.2
85	65.0	32.3	96.9

83 100

131 9.4 5.4 16.2

85 65.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

6000

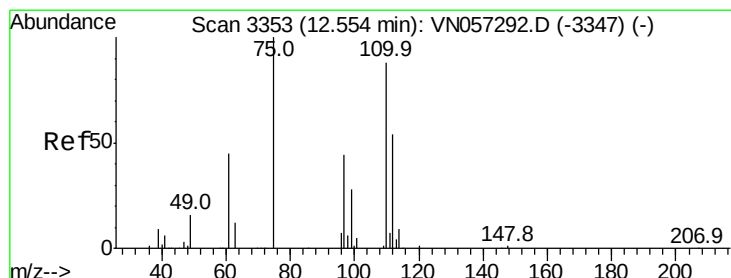
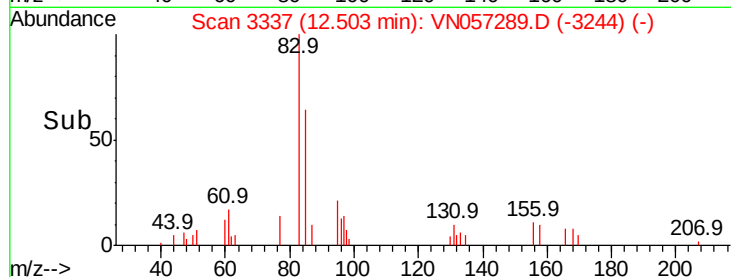
4000

2000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 2.121 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057289.D

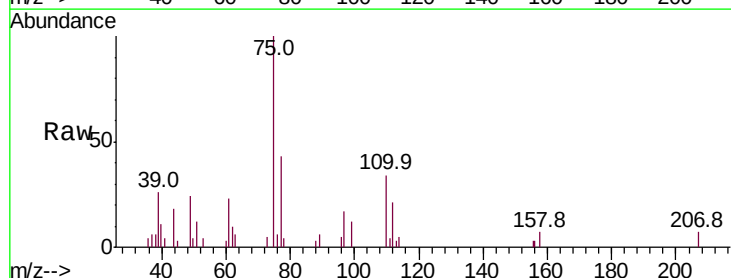
Acq: 14 Aug 2019 16:14

Tgt Ion: 75 Resp: 11778

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

8000

6000

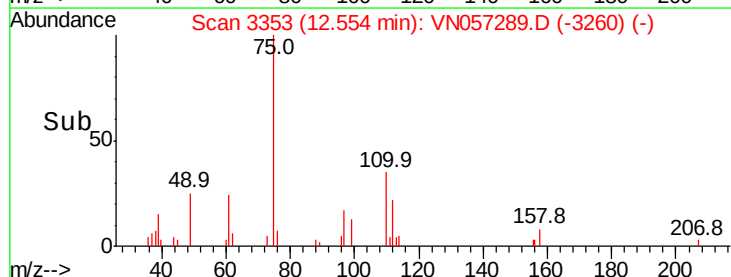
4000

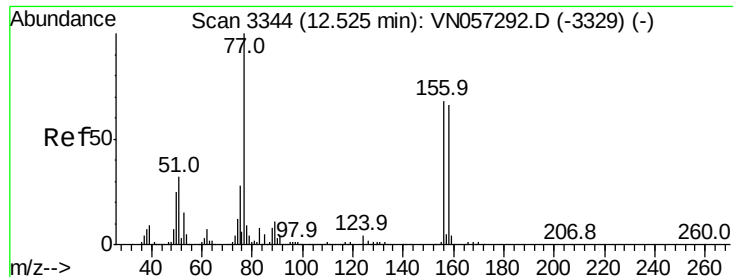
2000

0

Time-->

12.50 12.55 12.60





#77

Bromobenzene

Concen: 1.285 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

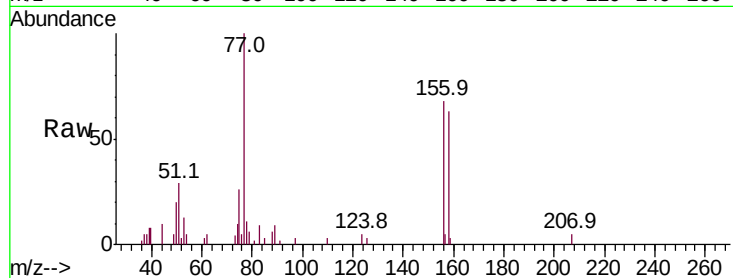
Tot Ion:156 Resp: 8515

Ion Ratio Lower Upper

156 100

77 189.4 89.8 269.6

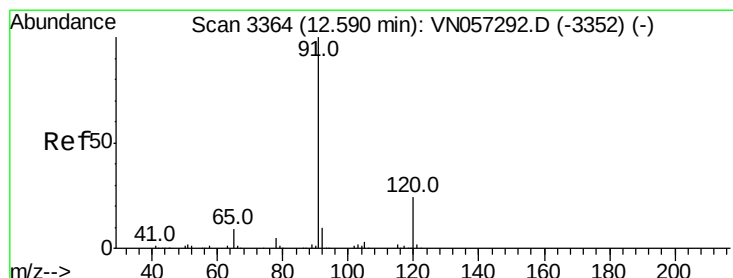
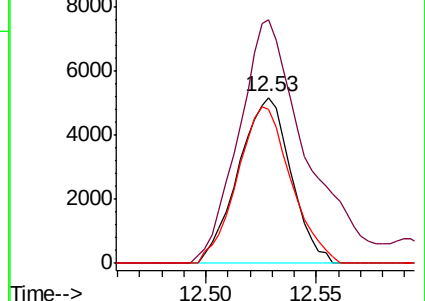
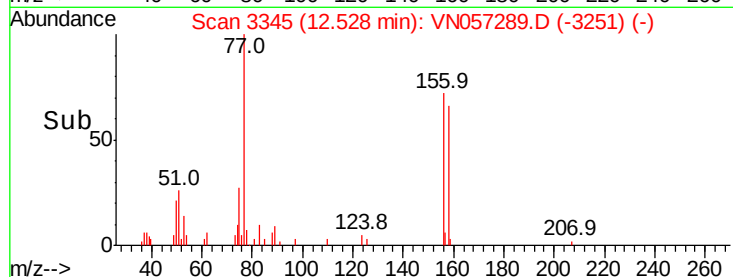
158 96.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.212 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057289.D

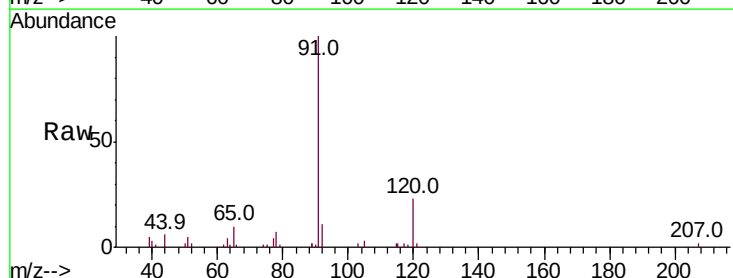
Acq: 14 Aug 2019 16:14

Tgt Ion: 91 Resp: 29702

Ion Ratio Lower Upper

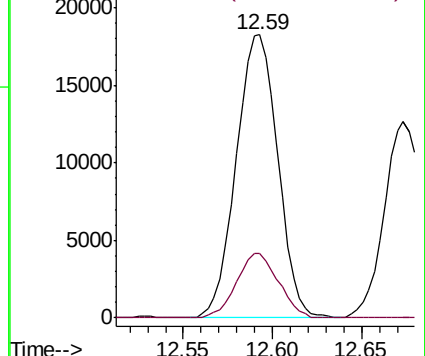
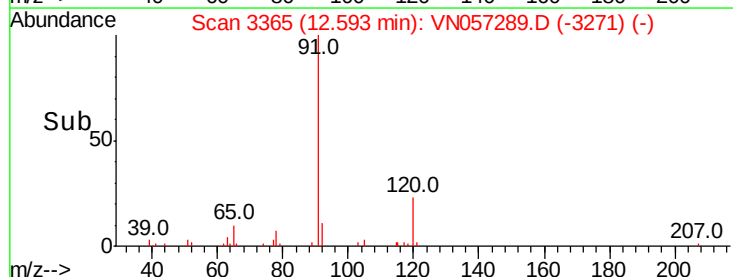
91 100

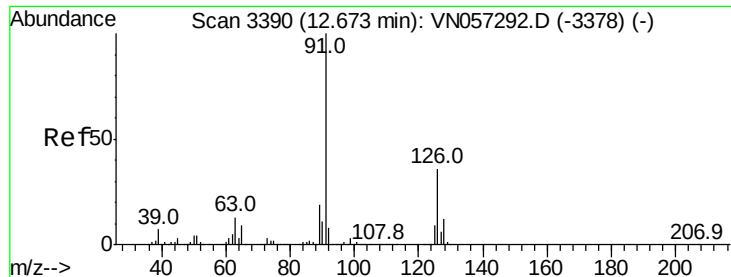
120 22.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

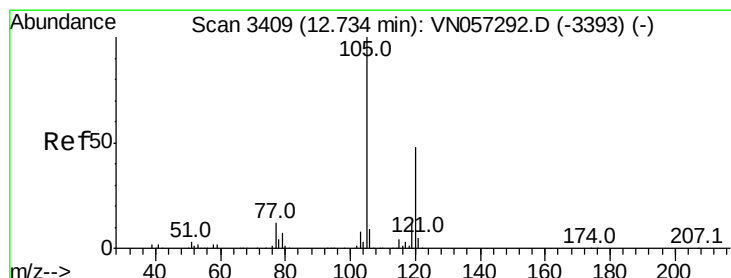
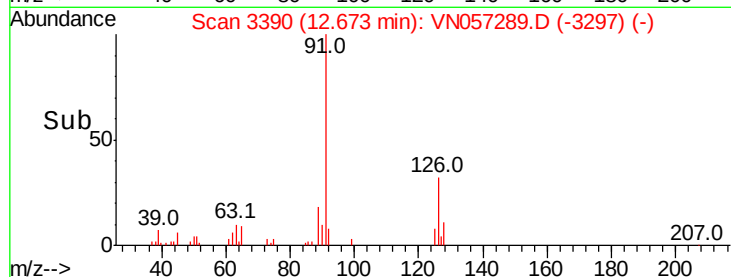
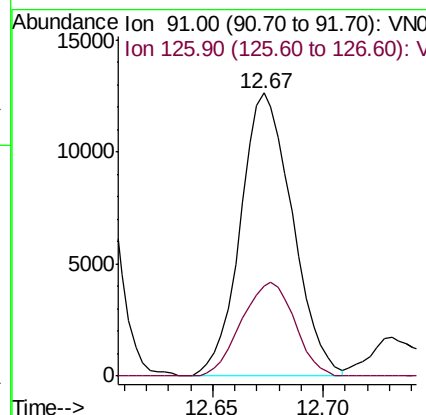
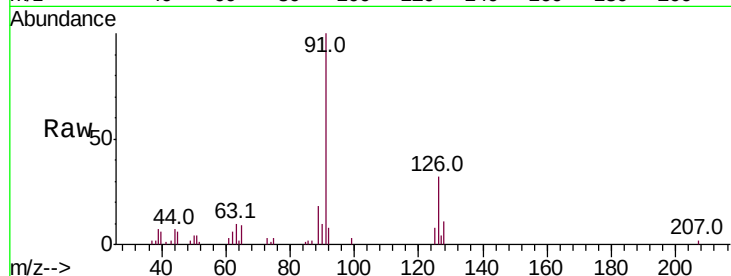




#79
 2-Chlorotoluene
 Concen: 1.324 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

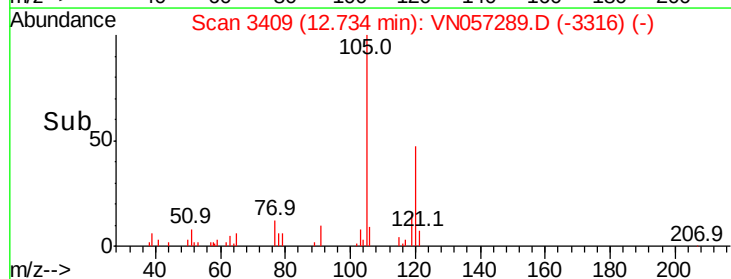
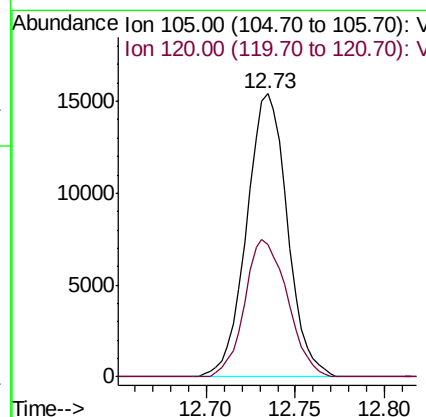
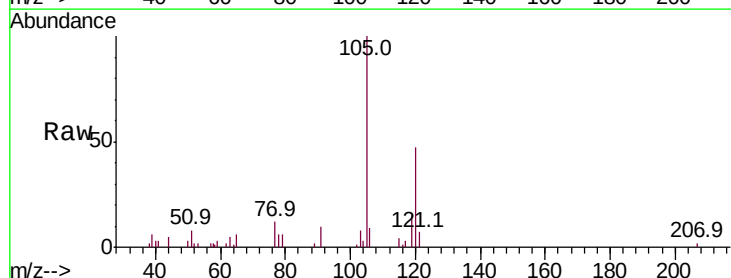
Instrument :
 MSVOA_N
 ClientSampleId :

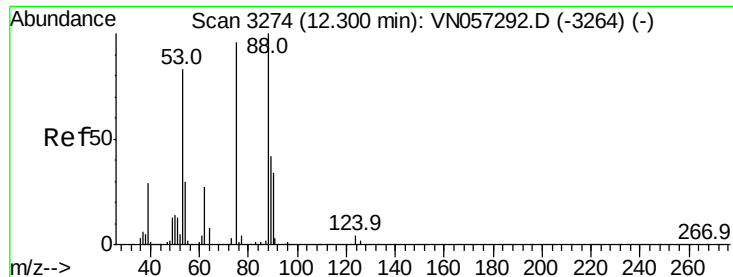
Tot Ion: 91 Resp: 20750
 Ion Ratio Lower Upper
 91 100
 126 34.0 18.1 54.1



#80
 1,3,5-Trimethylbenzene
 Concen: 1.246 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion:105 Resp: 24591
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.456 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

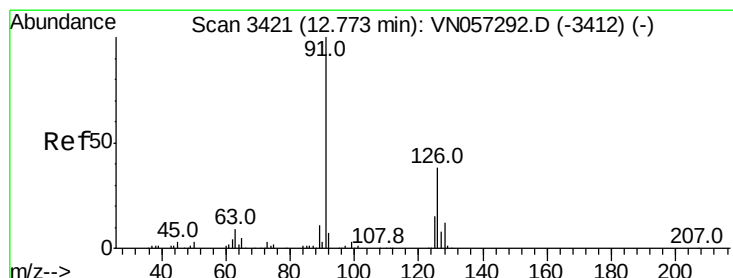
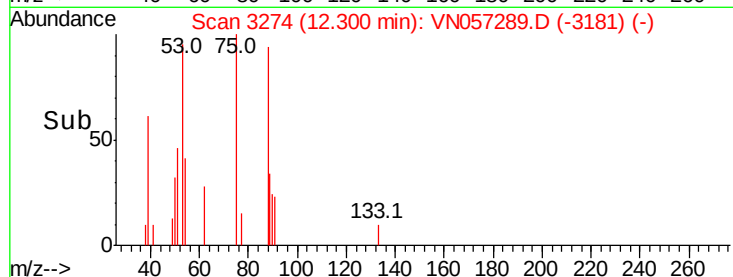
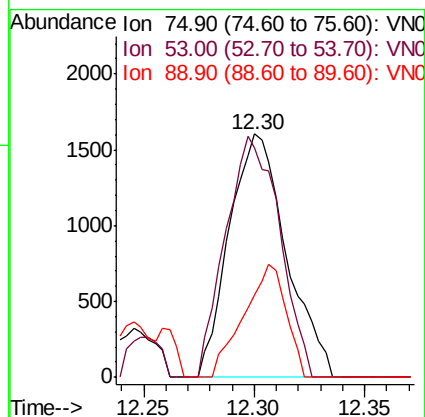
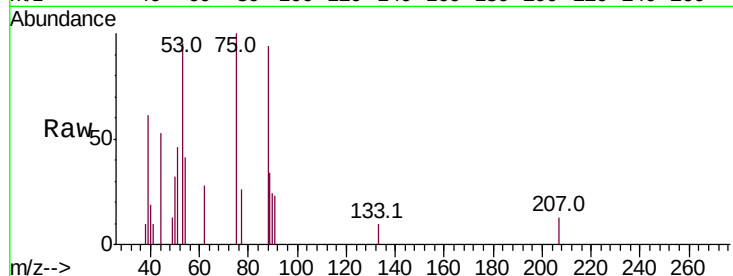
Tot Ion: 75 Resp: 2881

Ion Ratio Lower Upper

75 100

53 93.6 67.9 101.9

89 34.3 36.2 54.4#



#82

4-Chlorotoluene

Concen: 1.239 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057289.D

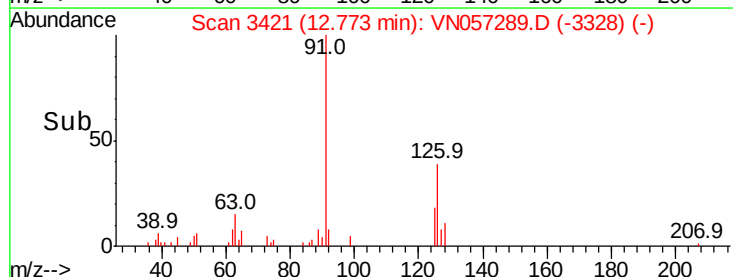
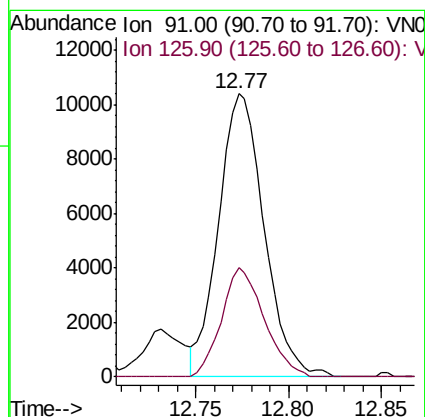
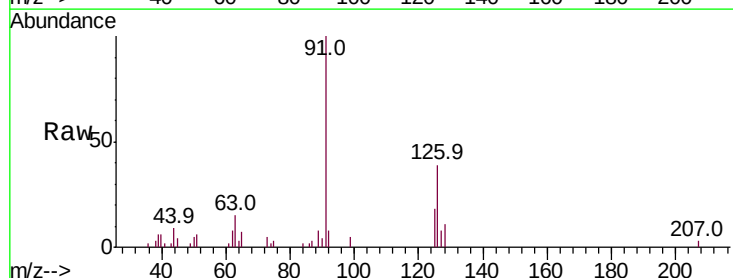
Acq: 14 Aug 2019 16:14

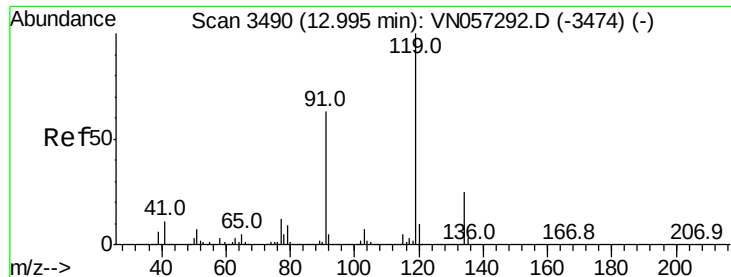
Tgt Ion: 91 Resp: 17773

Ion Ratio Lower Upper

91 100

126 36.0 17.3 51.7





#83

tert-Butylbenzene

Concen: 1.397 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

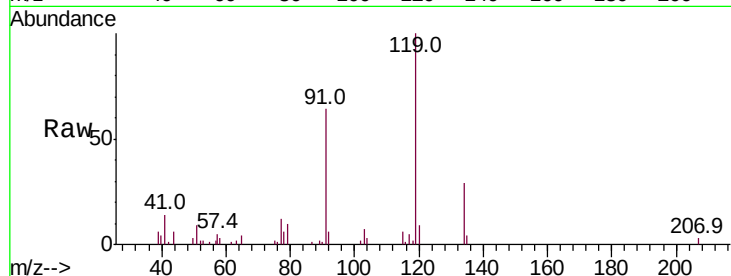
Tot Ion:119 Resp: 25750

Ion Ratio Lower Upper

119 100

91 61.1 31.3 93.8

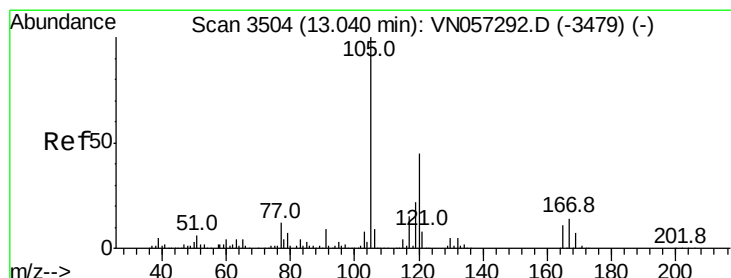
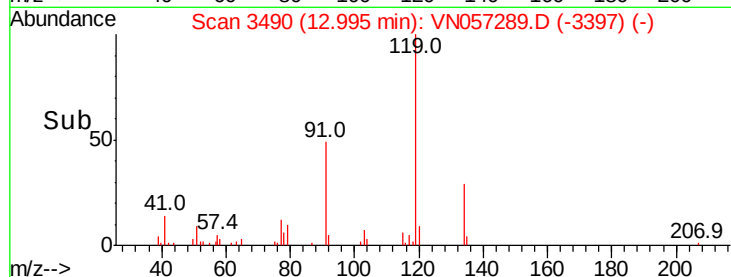
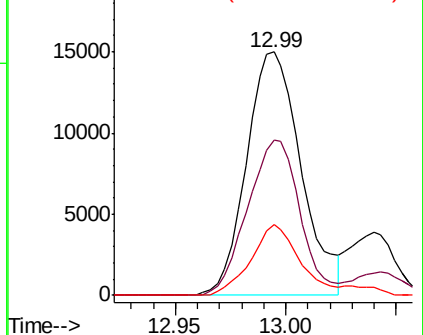
134 28.2 13.1 39.1



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: 1.144 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057289.D

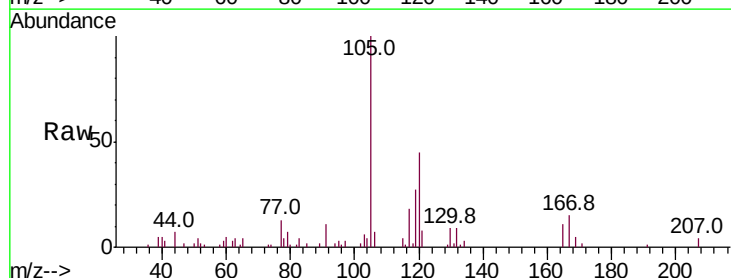
Acq: 14 Aug 2019 16:14

Tgt Ion:105 Resp: 21127

Ion Ratio Lower Upper

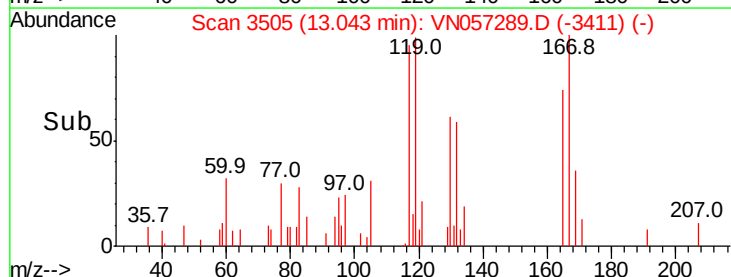
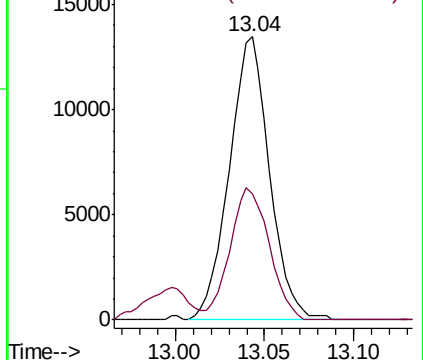
105 100

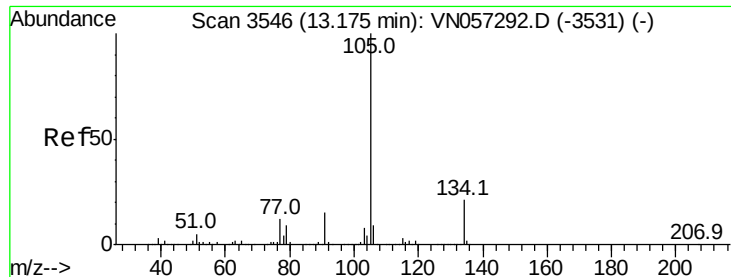
120 45.7 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.257 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

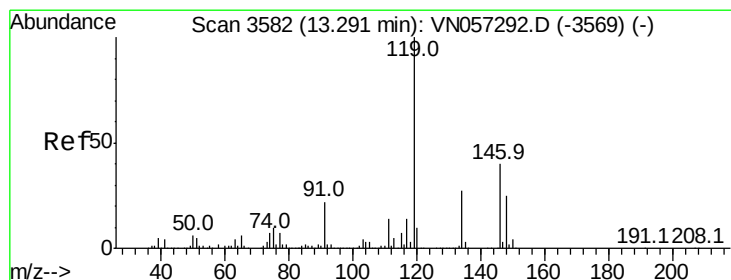
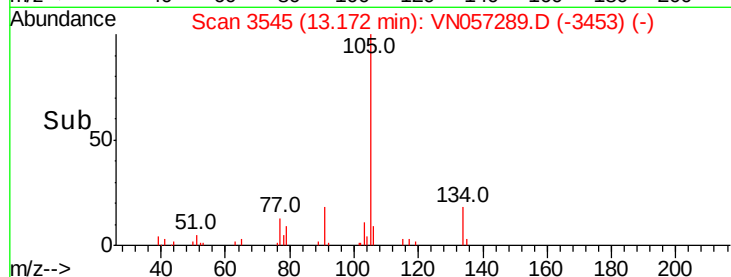
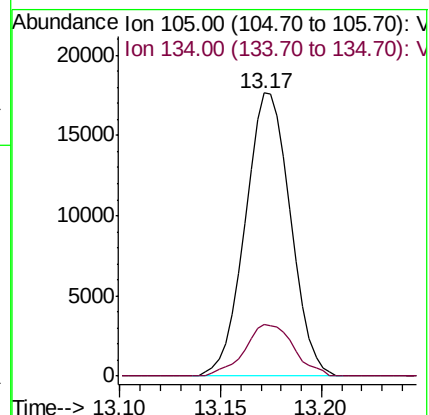
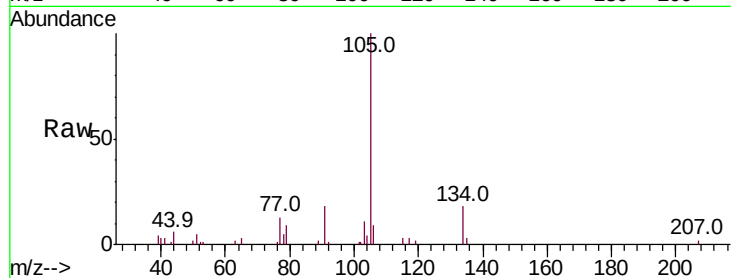
ClientSampleId :

Tot Ion:105 Resp: 27750

Ion Ratio Lower Upper

105 100

134 19.8 10.4 31.2



#86

p-Isopropyltoluene

Concen: 1.106 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

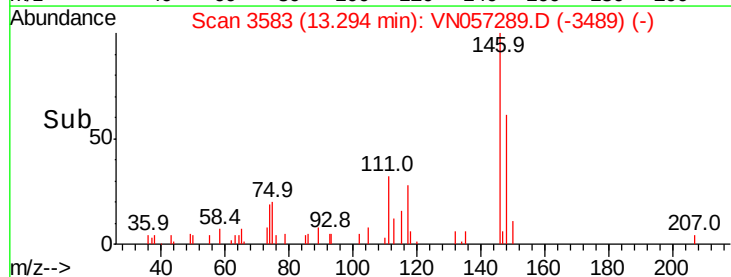
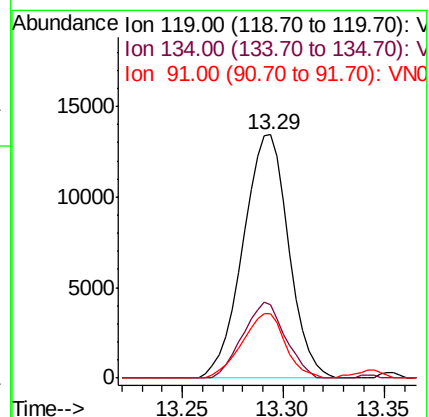
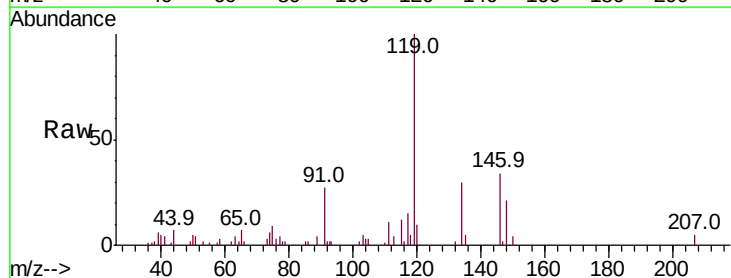
Tgt Ion:119 Resp: 21280

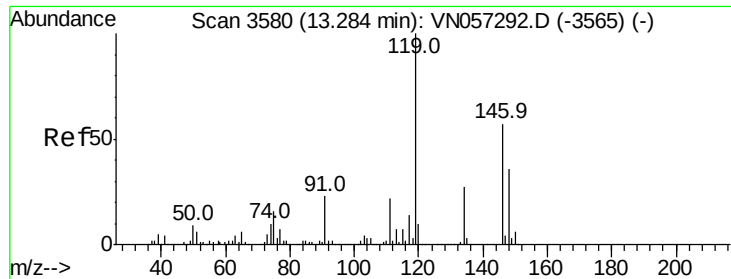
Ion Ratio Lower Upper

119 100

134 29.1 13.4 40.2

91 25.2 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 1.075 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

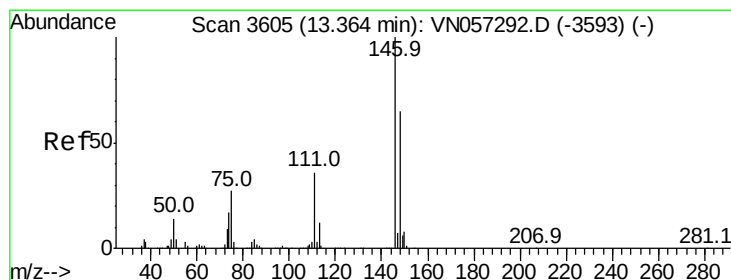
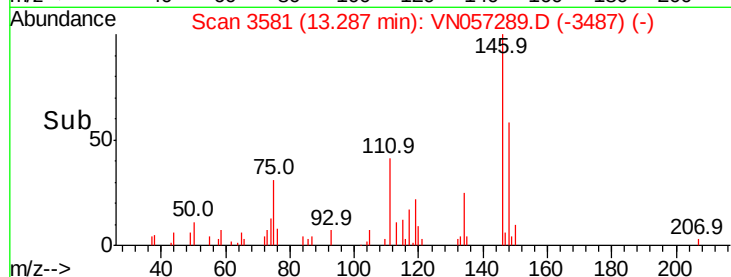
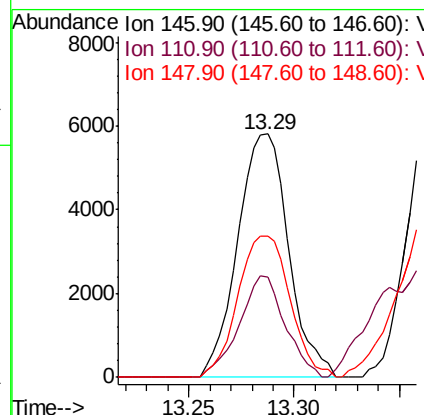
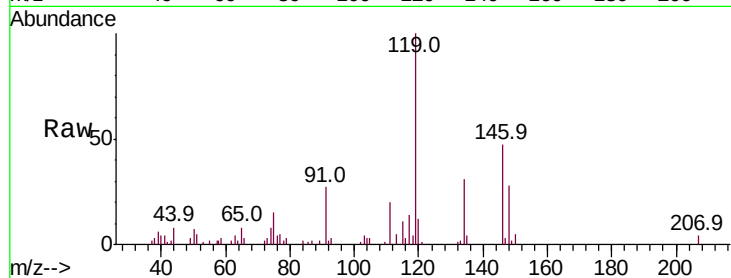
Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 9750

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	59.3	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 1.078 ug/l

RT: 13.36 min Scan# 3604

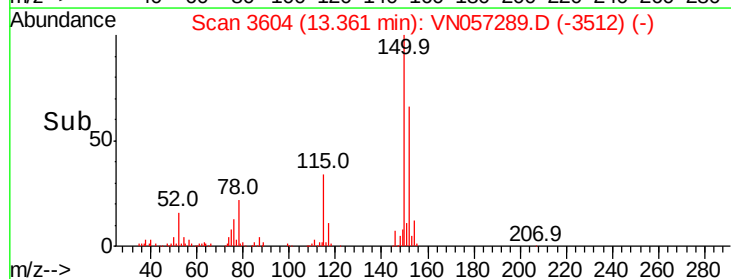
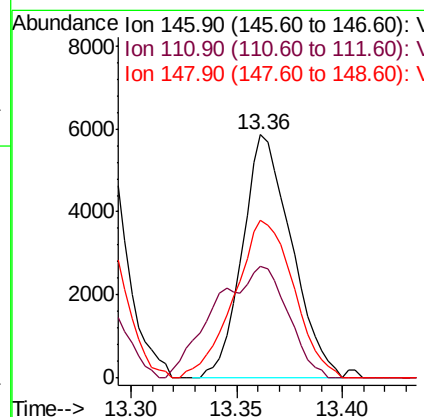
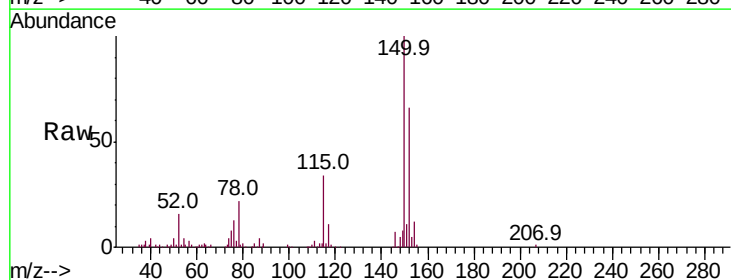
Delta R.T. -0.00 min

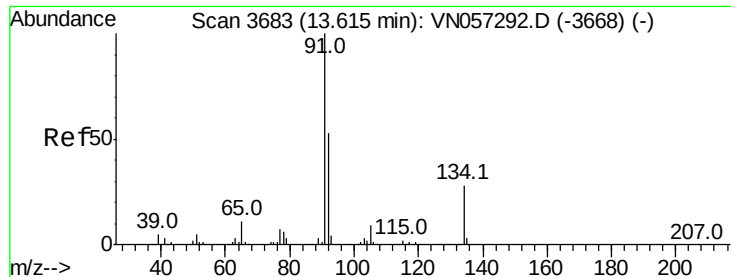
Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:146 Resp: 9488

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.4
148	78.4	32.5	97.4





#89

n-Butylbenzene

Concen: 0.928 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampled :

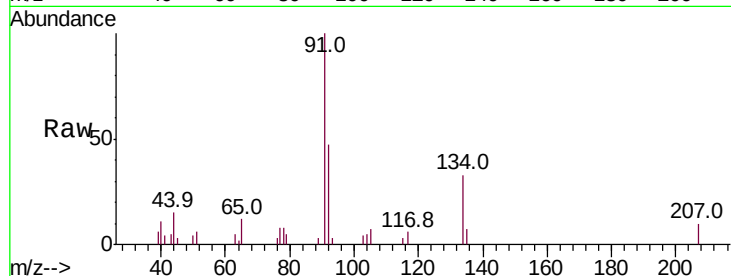
Tot Ion: 91 Resp: 12553

Ion Ratio Lower Upper

91 100

92 48.6 26.2 78.6

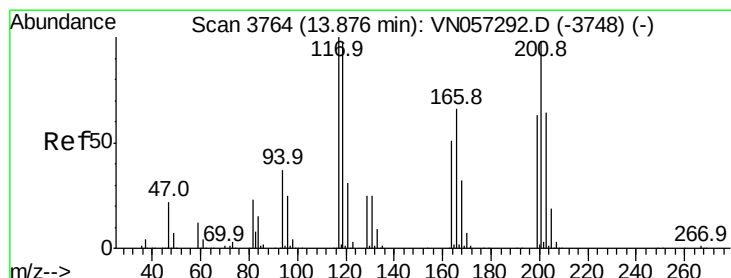
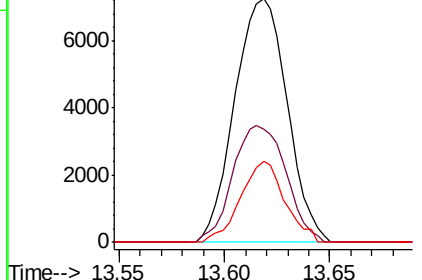
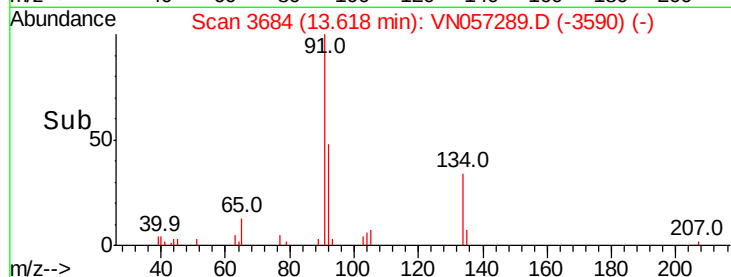
134 27.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057292.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057292.D (-3668) (-)



#90

Hexachloroethane

Concen: 1.491 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057289.D

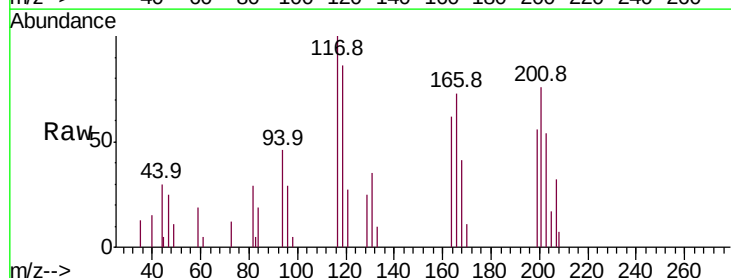
Acq: 14 Aug 2019 16:14

Tgt Ion: 117 Resp: 5609

Ion Ratio Lower Upper

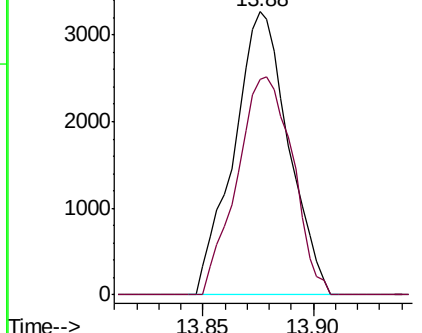
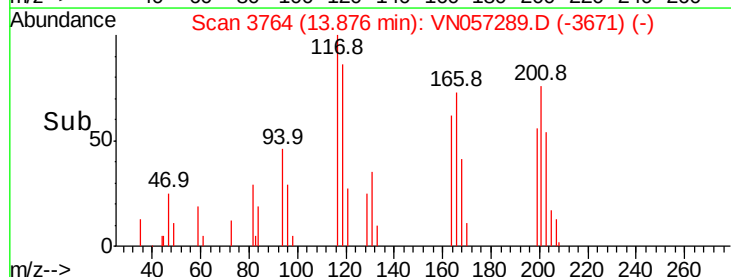
117 100

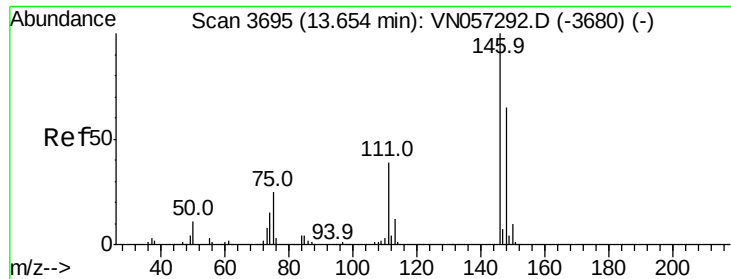
201 78.3 48.4 145.0



Abundance Ion 116.80 (116.50 to 117.50): VN057292.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN057292.D (-3748) (-)

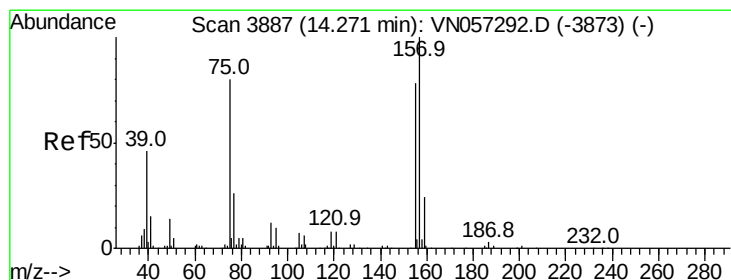
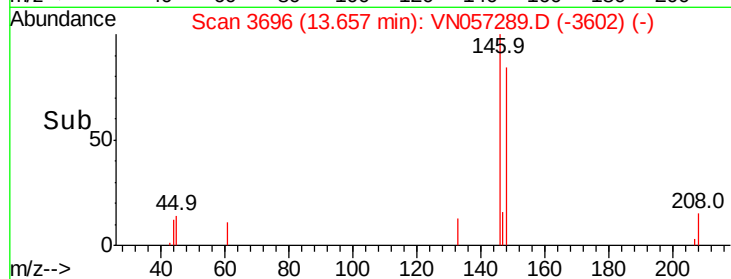
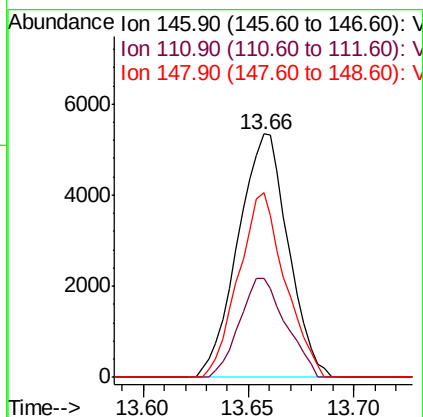
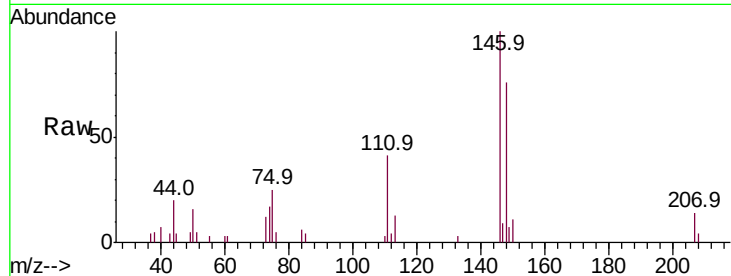




#91
 1,2-Dichlorobenzene
 Concen: 1.003 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

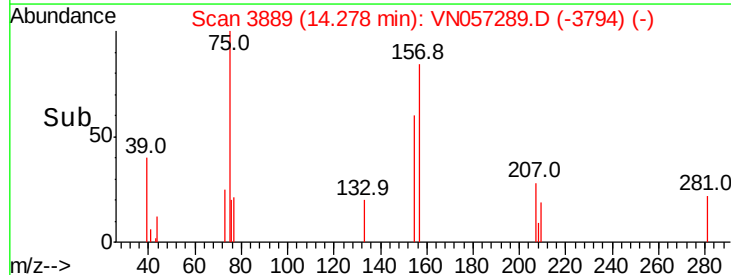
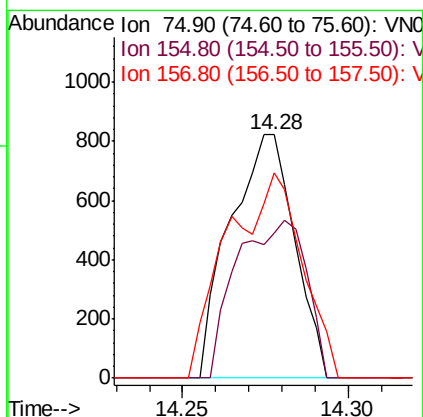
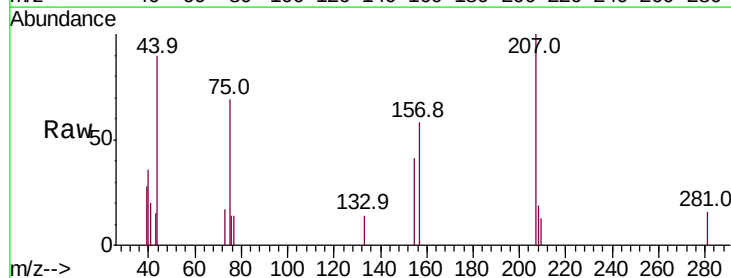
Instrument :
 MSVOA_N
 ClientSampleId :

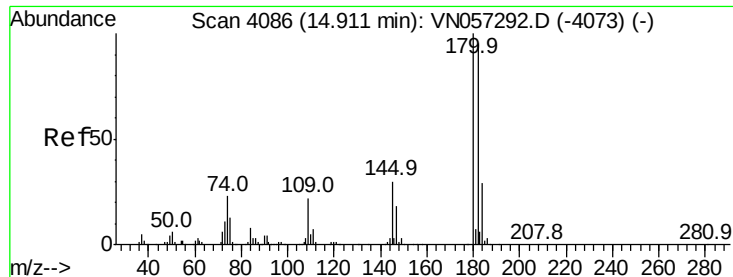
Tot Ion:146 Resp: 8844
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.7 59.1
 148 70.1 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.269 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion: 75 Resp: 1115
 Ion Ratio Lower Upper
 75 100
 155 70.1 49.6 148.8
 157 97.1 63.7 191.1

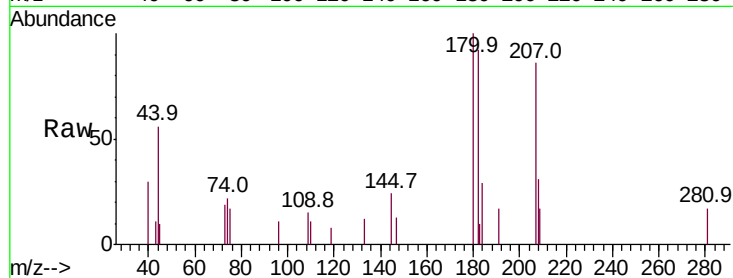




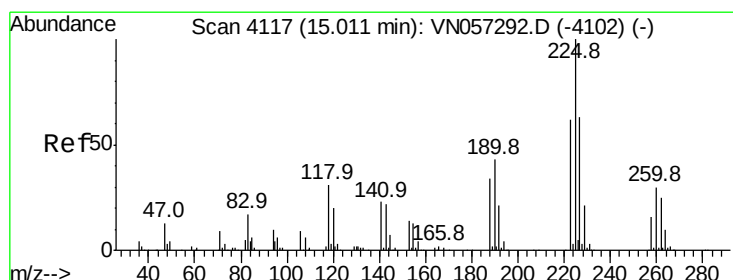
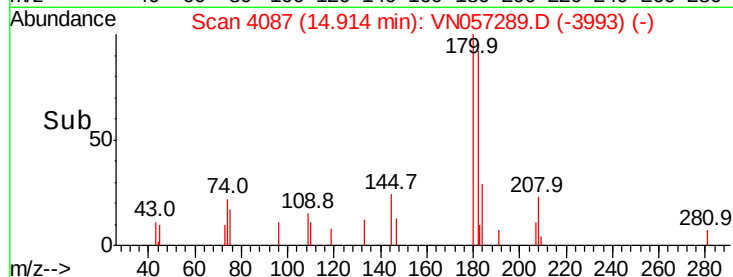
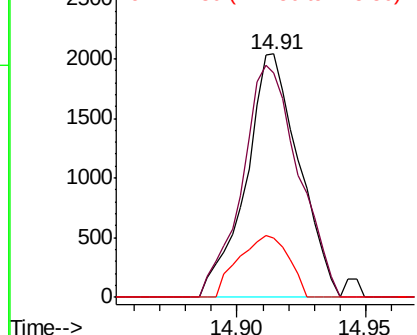
#93
 1,2,4-Trichlorobenzene
 Concen: 0.928 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 2935
 Ion Ratio Lower Upper
 180 100
 182 101.3 48.0 144.2
 145 23.8 14.5 43.6

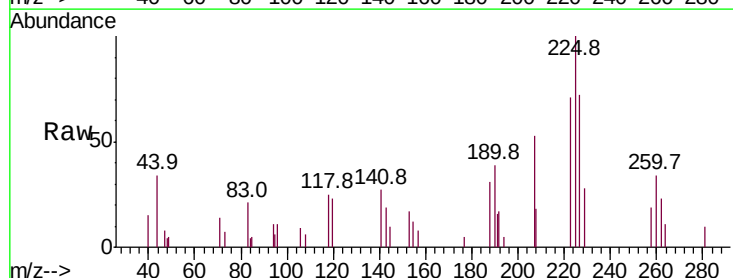


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

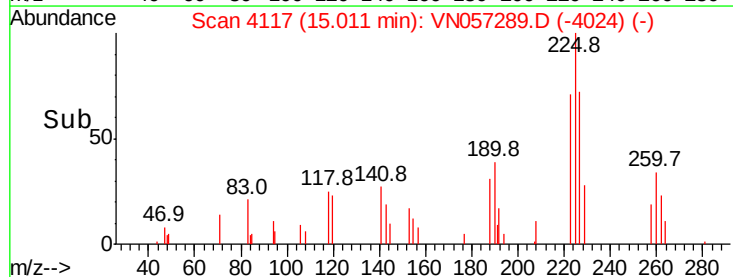
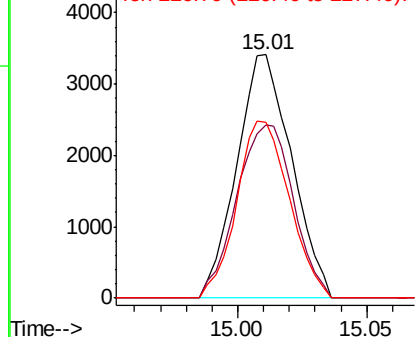


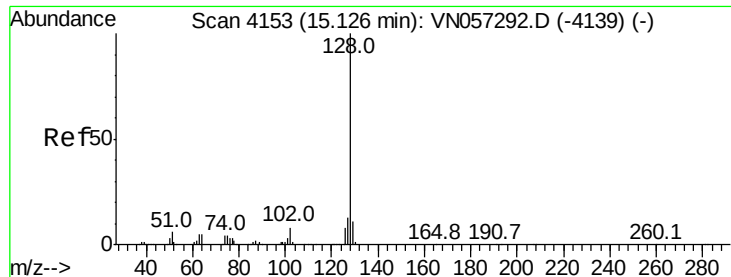
#94
 Hexachlorobutadiene
 Concen: 1.191 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion:225 Resp: 5052
 Ion Ratio Lower Upper
 225 100
 223 73.8 30.7 92.1
 227 70.0 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: 0.874 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

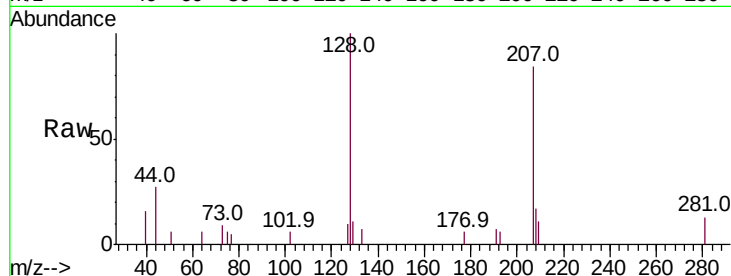
Tot Ion:128 Resp: 5432

Ion Ratio Lower Upper

128 100

127 10.5 10.5 15.7

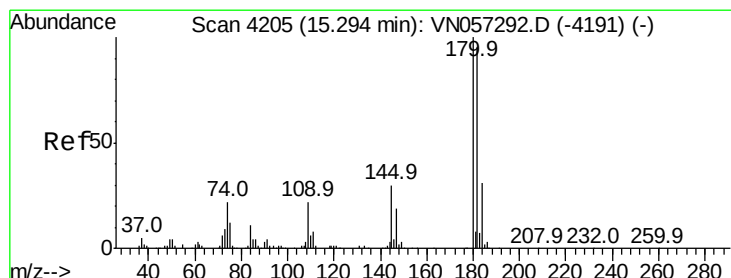
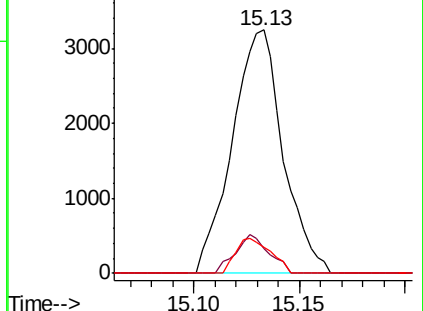
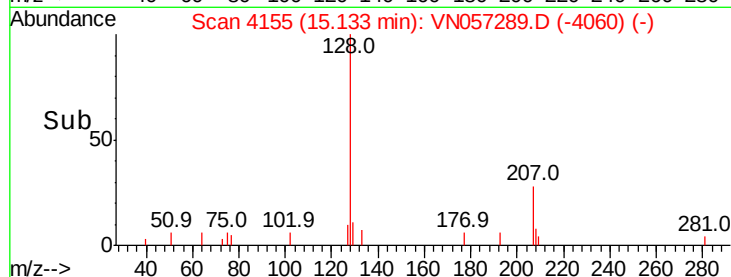
129 9.9 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 0.902 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

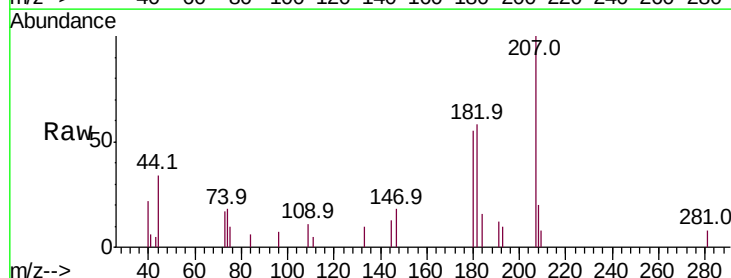
Tgt Ion:180 Resp: 2894

Ion Ratio Lower Upper

180 100

182 100.6 47.9 143.6

145 26.6 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

