

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058755.D
 Acq On : 14 Oct 2019 17:39
 Operator : JC/SP
 Sample : K5111-08 5.0PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	374540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	614914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	281093	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.57	113	201231	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.08	98	759526	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.41	95	262561	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	23768	5.095	ug/l 98
3) Chloromethane	2.04	50	30515	5.501	ug/l 99
4) Vinyl Chloride	2.17	62	30282	5.481	ug/l 99
5) Bromomethane	2.54	94	20087	5.977	ug/l 94
6) Chloroethane	2.68	64	19561	5.740	ug/l 93
7) Trichlorofluoromethane	2.99	101	38266	5.788	ug/l 98
8) Diethyl Ether	3.39	74	12316	5.042	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	20666	5.482	ug/l 99
10) Methyl Iodide	3.93	142	25726	5.001	ug/l 99
11) Tert butyl alcohol	4.76	59	23201	27.321	ug/l # 83
12) 1,1-Dichloroethene	3.72	96	19897	5.532	ug/l 90
13) Acrolein	3.58	56	15483	22.670	ug/l 94
14) Allyl chloride	4.30	41	37743	5.200	ug/l 99
15) Acrylonitrile	4.96	53	58987	27.544	ug/l 96
16) Acetone	3.80	43	53799	24.783	ug/l 95
17) Carbon Disulfide	4.03	76	59860	5.206	ug/l 99
18) Methyl Acetate	4.30	43	32848	5.965	ug/l # 79
19) Methyl tert-butyl Ether	5.02	73	64269	5.004	ug/l 95
20) Methylene Chloride	4.53	84	25119	5.537	ug/l # 96
21) trans-1,2-Dichloroethene	5.01	96	21295	5.293	ug/l 97
22) Diisopropyl ether	5.93	45	71257	5.049	ug/l # 86
23) Vinyl Acetate	5.88	43	291768	25.620	ug/l 99
24) 1,1-Dichloroethane	5.83	63	43002	5.350	ug/l 98
25) 2-Butanone	6.82	43	80317	25.598	ug/l 96
26) 2,2-Dichloropropane	6.80	77	35449	4.831	ug/l 96
27) cis-1,2-Dichloroethene	6.81	96	24288	5.177	ug/l 99
28) Bromochloromethane	7.18	49	15068	5.388	ug/l 99
29) Tetrahydrofuran	7.20	42	53901	26.583	ug/l 98
30) Chloroform	7.36	83	43574	5.396	ug/l 96
31) Cyclohexane	7.64	56	44560	5.794	ug/l # 81
32) 1,1,1-Trichloroethane	7.55	97	36885	5.355	ug/l 97
36) 1,1-Dichloropropene	7.78	75	31518	5.069	ug/l 97
37) Ethyl Acetate	6.91	43	32030	5.094	ug/l 98
38) Carbon Tetrachloride	7.75	117	32793	5.412	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	34890	4.836	ug/l	97
40) Benzene	8.03	78	93701	5.248	ug/l	99
41) Methacrylonitrile	7.15	41	9377	3.186	ug/l #	39
42) 1,2-Dichloroethane	8.11	62	36286	5.290	ug/l	97
43) Isopropyl Acetate	8.15	43	54040	5.045	ug/l #	90
44) Trichloroethene	8.82	130	23975	5.407	ug/l	95
45) 1,2-Dichloropropane	9.11	63	25075	5.246	ug/l	96
46) Dibromomethane	9.20	93	16319	5.385	ug/l	98
47) Bromodichloromethane	9.39	83	33569	5.440	ug/l	99
48) Methyl methacrylate	9.19	41	23149	4.768	ug/l	97
49) 1,4-Dioxane	9.19	88	7959	105.958	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	160435	26.670	ug/l	96
52) Toluene	10.15	92	56084	5.135	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	34561	4.883	ug/l	93
54) cis-1,3-Dichloropropene	9.83	75	36523	4.860	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	22986	5.142	ug/l	97
56) Ethyl methacrylate	10.43	69	29686	4.546	ug/l	93
57) 1,3-Dichloropropane	10.71	76	38668	5.077	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	69211	21.993	ug/l	100
59) 2-Hexanone	10.75	43	114294	24.585	ug/l	98
60) Dibromochloromethane	10.90	129	23324	5.058	ug/l	97
61) 1,2-Dibromoethane	11.00	107	22897	5.113	ug/l	97
64) Tetrachloroethene	10.63	164	21524	5.506	ug/l	96
65) Chlorobenzene	11.43	112	57862	5.101	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	22078	5.264	ug/l	97
67) Ethyl Benzene	11.51	91	104372	5.162	ug/l	99
68) m/p-Xylenes	11.62	106	73405	9.674	ug/l	100
69) o-Xylene	11.95	106	35057	4.775	ug/l	100
70) Styrene	11.97	104	53061	4.410	ug/l	98
71) Bromoform	12.13	173	15657	5.093	ug/l #	99
73) Isopropylbenzene	12.25	105	92617	5.188	ug/l	98
74) N-amyl acetate	12.07	43	38254	4.771	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	34004	5.782	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	42849	7.924	ug/l #	100
77) Bromobenzene	12.53	156	22984	5.293	ug/l	97
78) n-propylbenzene	12.60	91	110192	5.297	ug/l	99
79) 2-Chlorotoluene	12.68	91	68110	5.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	78405	5.144	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9110	4.513	ug/l	89
82) 4-Chlorotoluene	12.78	91	68230	5.150	ug/l	99
83) tert-Butylbenzene	13.00	119	65783	5.038	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	77702	5.136	ug/l	99
85) sec-Butylbenzene	13.18	105	89853	5.223	ug/l	99
86) p-Isopropyltoluene	13.30	119	76561	4.896	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	40667	5.078	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	40551	4.981	ug/l	94
89) n-Butylbenzene	13.62	91	66150	4.575	ug/l	98
90) Hexachloroethane	13.88	117	15399	5.504	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	40769	5.224	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	7706	5.609	ug/l	85

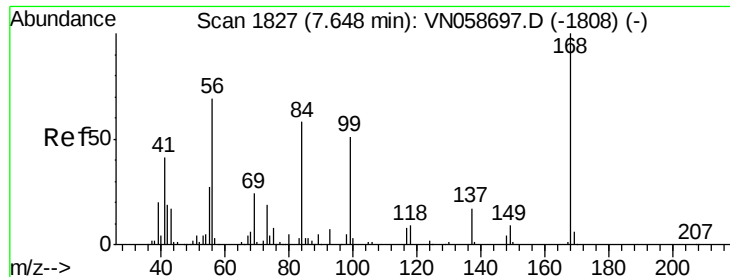
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	20446	4.295	ug/l	98
94) Hexachlorobutadiene	15.02	225	12939	5.161	ug/l	97
95) Naphthalene	15.13	128	53438	3.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	20119	4.328	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

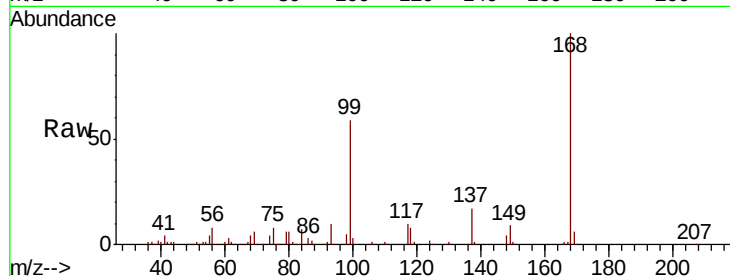
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 374540

Ion Ratio Lower Upper

168 100

99 58.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

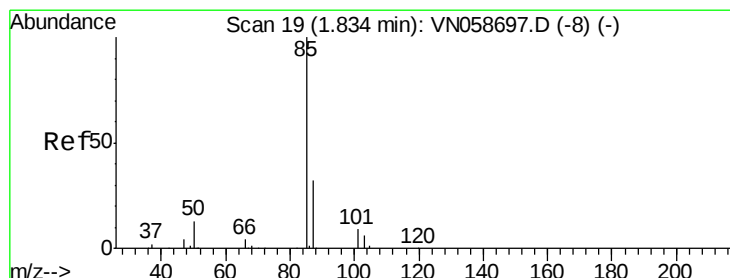
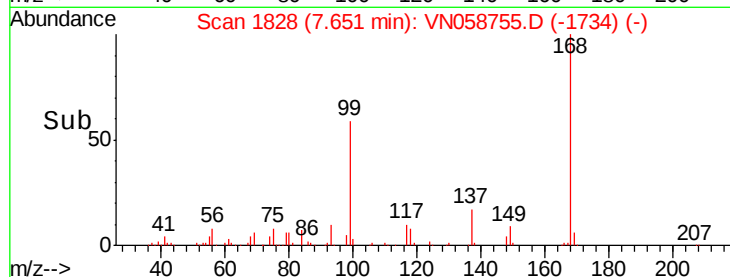
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 5.095 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058755.D

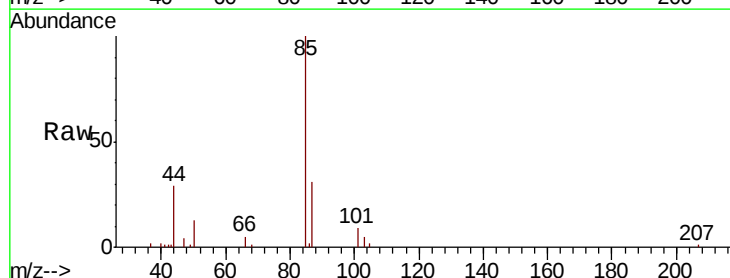
Acq: 14 Oct 2019 17:39

Tgt Ion: 85 Resp: 23768

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

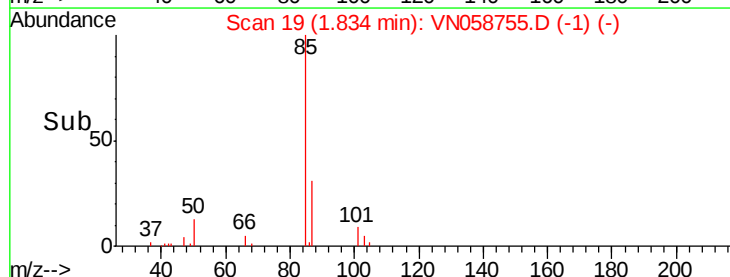
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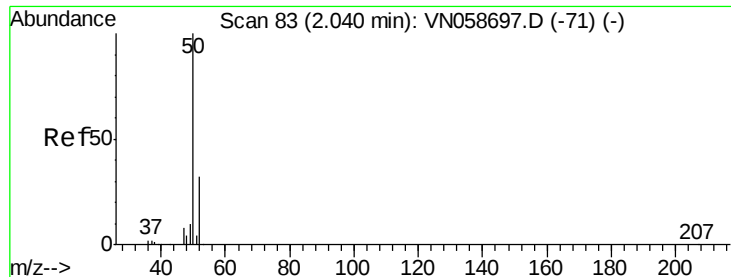
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 5.501 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

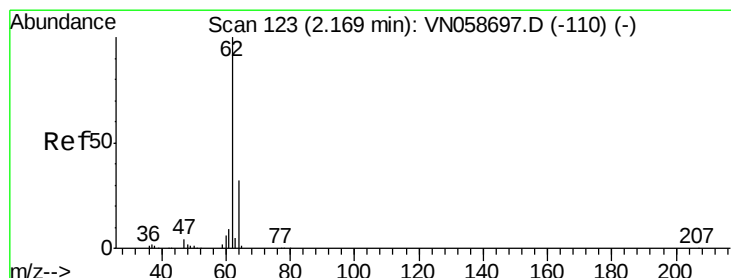
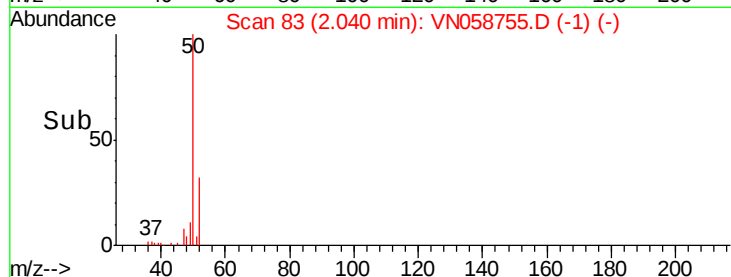
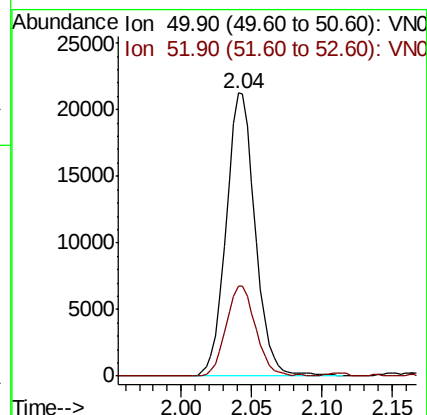
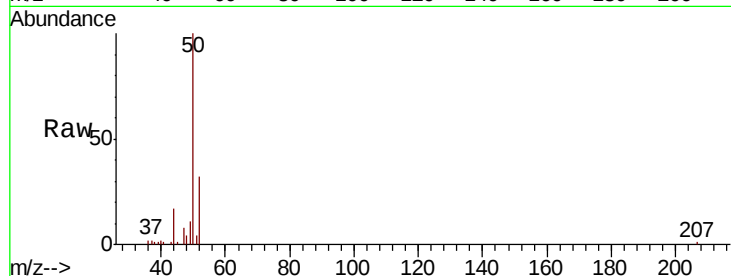
ClientSampleId :

Tot Ion: 50 Resp: 30515

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.6



#4

Vinyl Chloride

Concen: 5.481 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058755.D

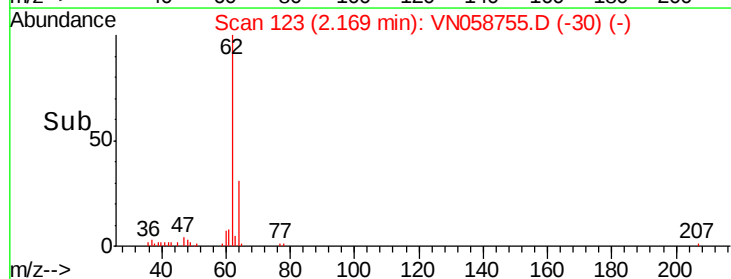
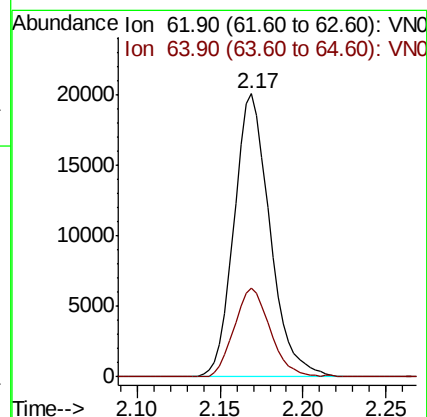
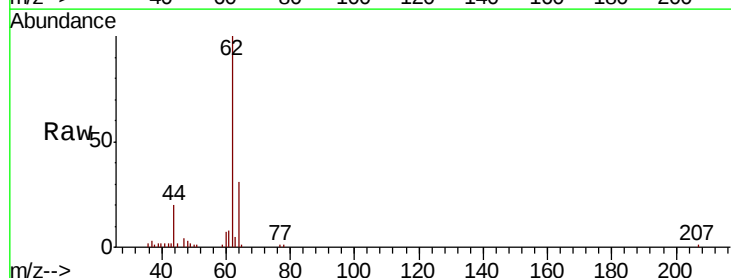
Acq: 14 Oct 2019 17:39

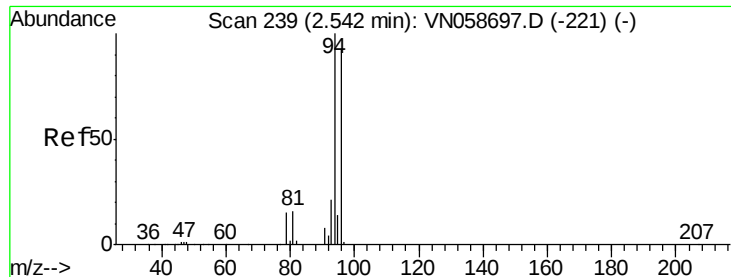
Tgt Ion: 62 Resp: 30282

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 5.977 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

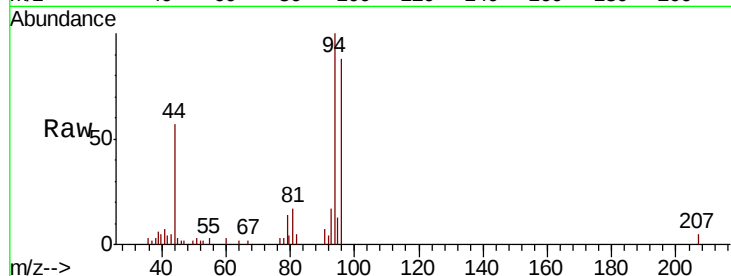
ClientSampled :

Tot Ion: 94 Resp: 20087

Ion Ratio Lower Upper

94 100

96 87.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

10000

8000

6000

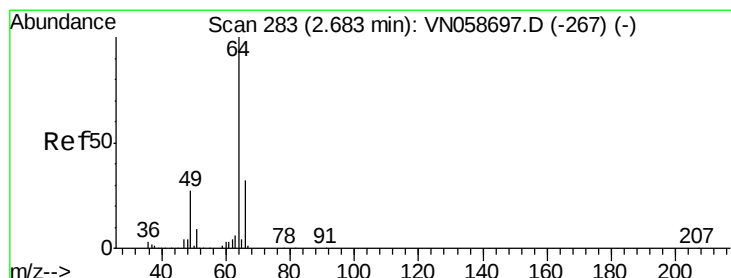
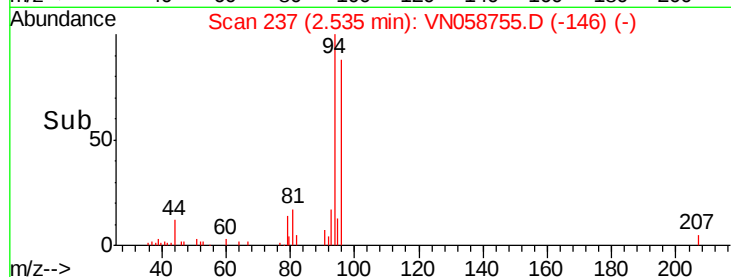
4000

2000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 5.740 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN058755.D

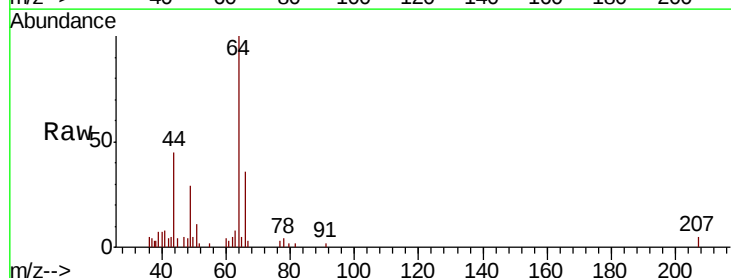
Acq: 14 Oct 2019 17:39

Tgt Ion: 64 Resp: 19561

Ion Ratio Lower Upper

64 100

66 35.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

10000

8000

6000

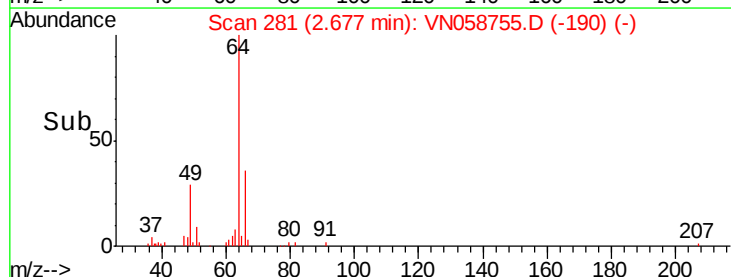
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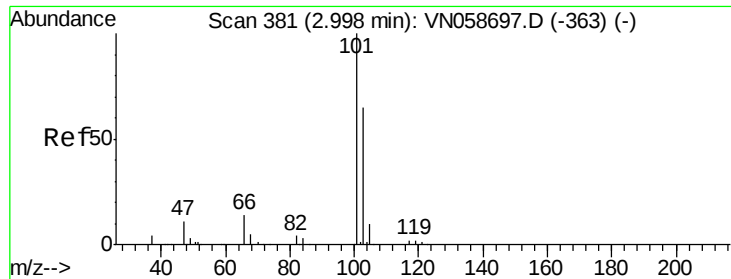
2000

0

Time-->

2.60 2.65 2.70 2.75



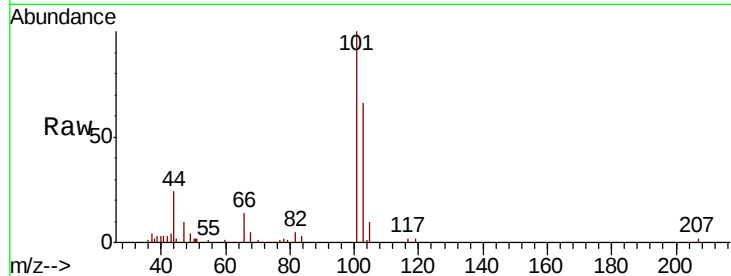


#7

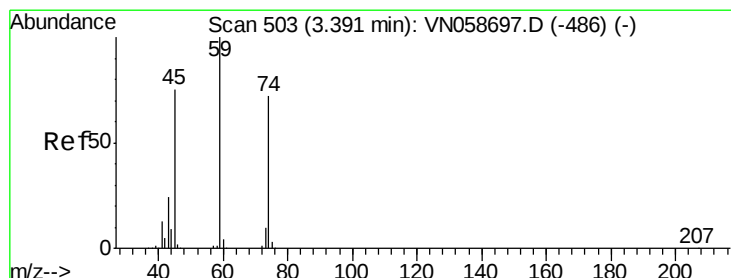
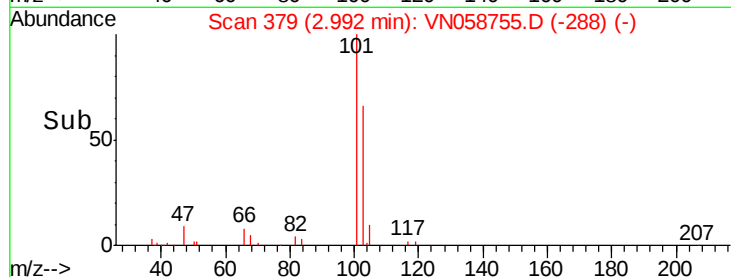
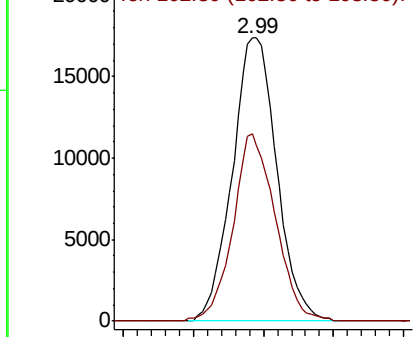
Trichlorofluoromethane
 Concen: 5.788 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 38266
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.8 77.6



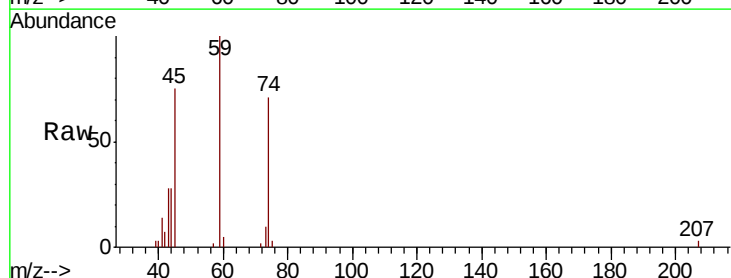
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



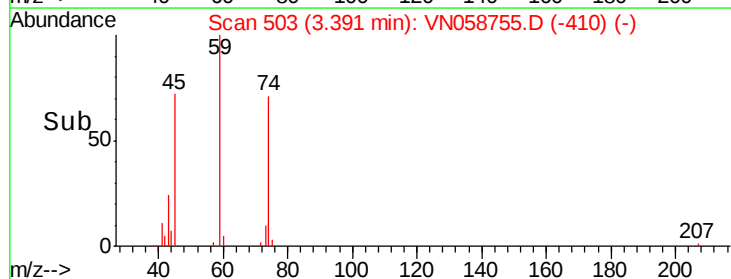
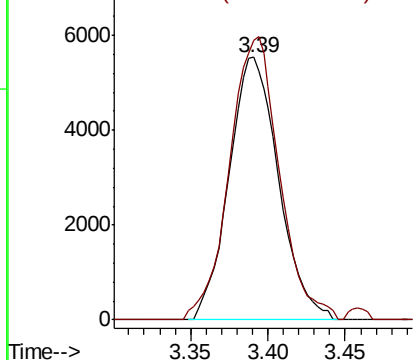
#8

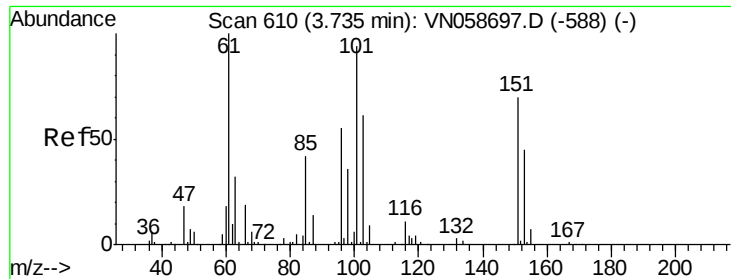
Diethyl Ether
 Concen: 5.042 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion: 74 Resp: 12316
 Ion Ratio Lower Upper
 74 100
 45 108.5 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.482 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

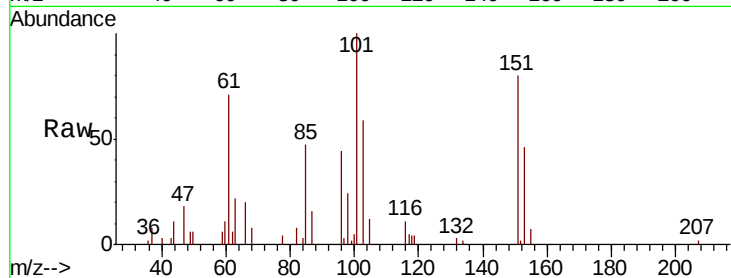
Tot Ion:101 Resp: 20666

Ion Ratio Lower Upper

101 100

85 46.6 37.0 55.6

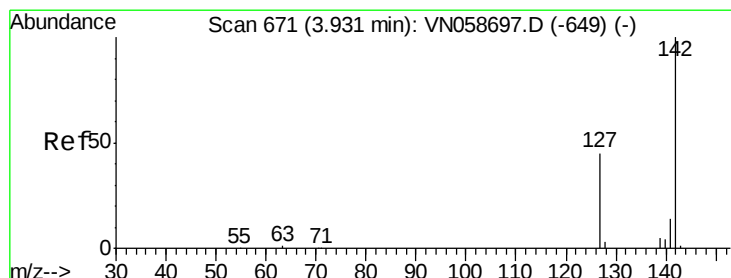
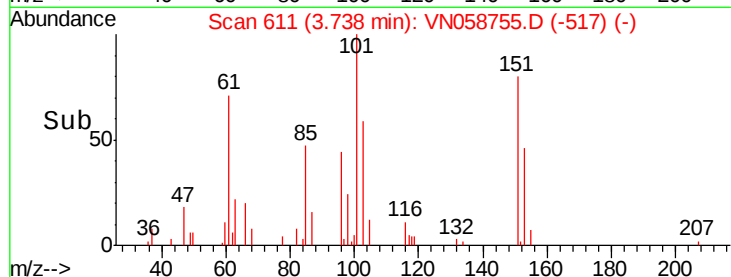
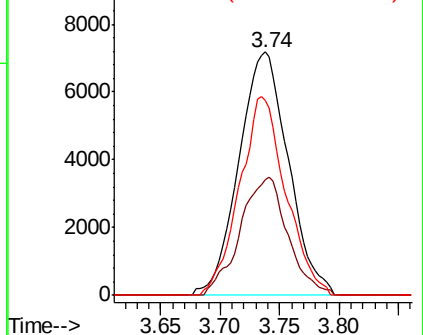
151 76.4 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.001 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

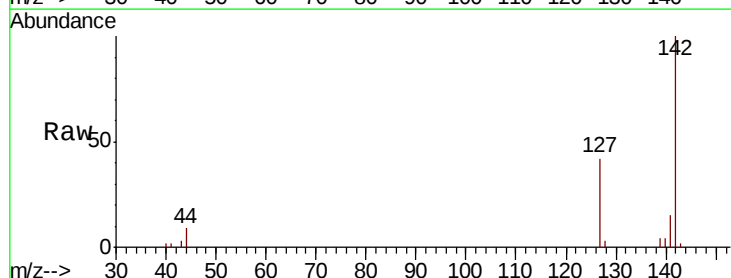
Tgt Ion:142 Resp: 25726

Ion Ratio Lower Upper

142 100

127 44.7 36.4 54.6

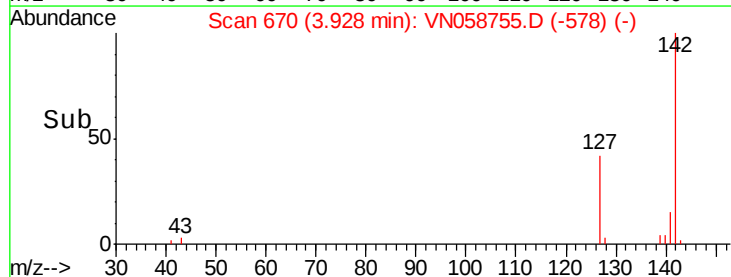
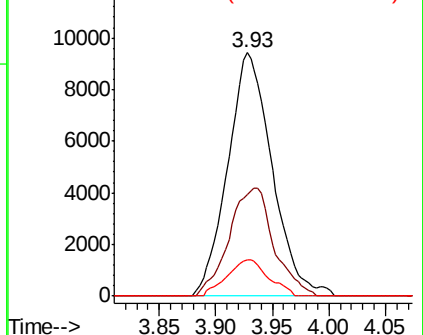
141 13.9 11.1 16.7

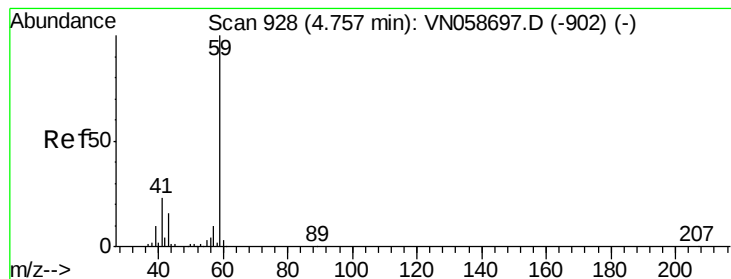


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



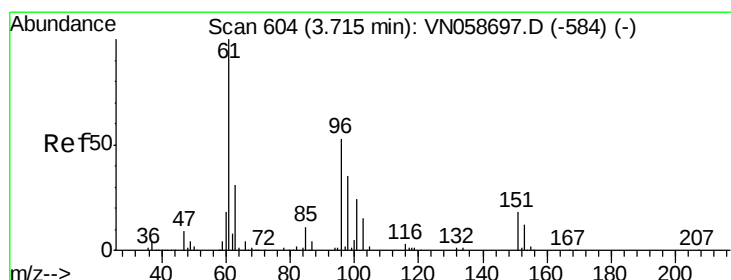
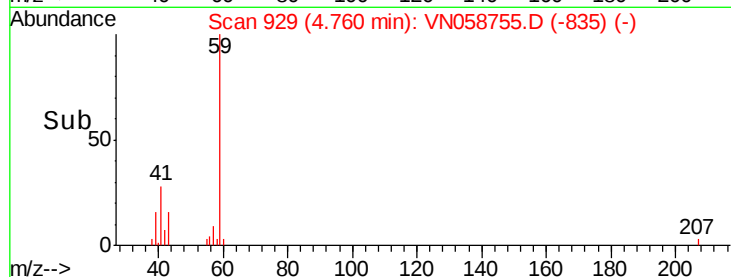
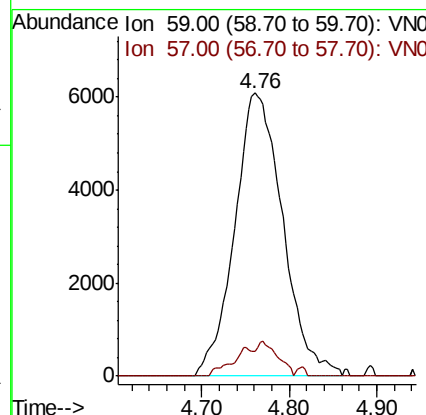
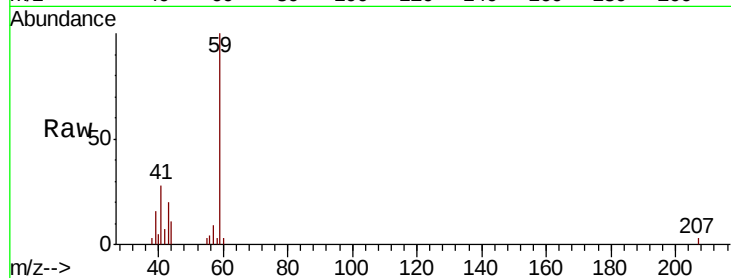


#11

Tert butyl alcohol
 Concen: 27.321 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :

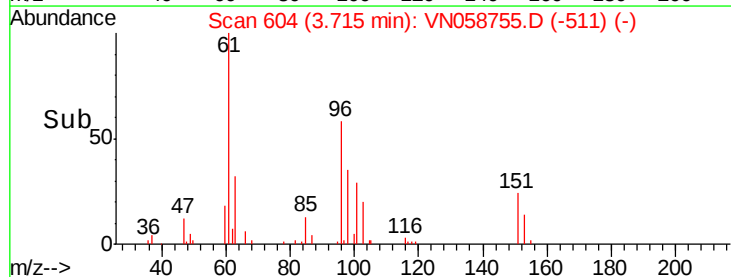
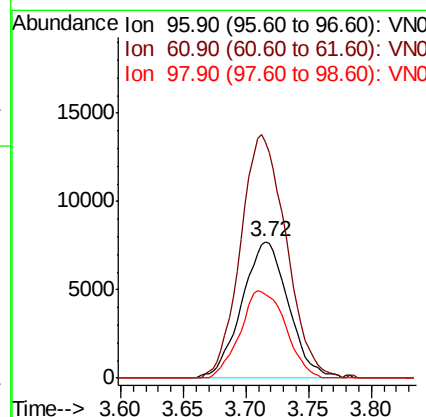
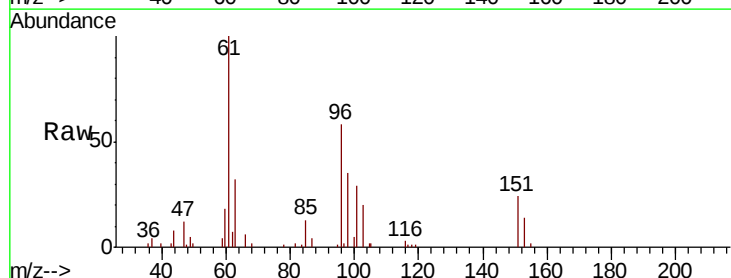
Tot Ion: 59 Resp: 23201
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.4 12.6#

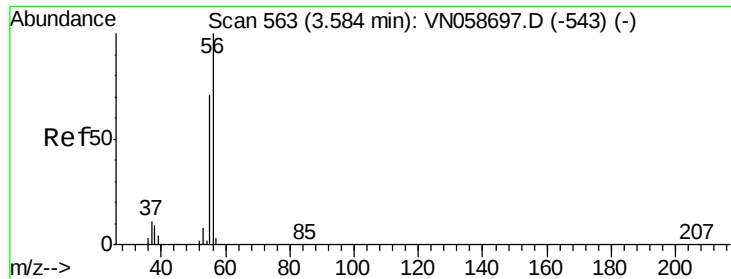


#12

1,1-Dichloroethene
 Concen: 5.532 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion: 96 Resp: 19897
 Ion Ratio Lower Upper
 96 100
 61 173.0 151.3 226.9
 98 60.9 52.6 78.8





#13

Acrolein

Concen: 22.670 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

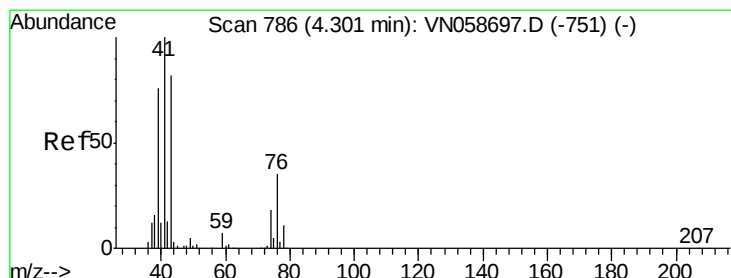
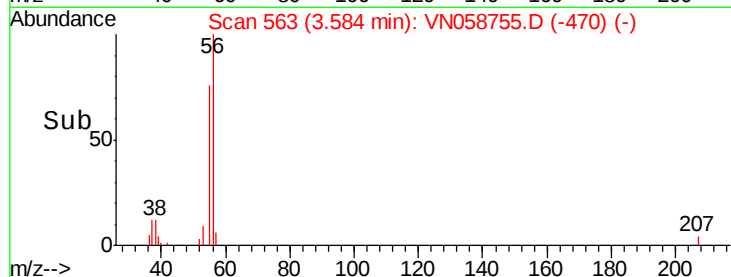
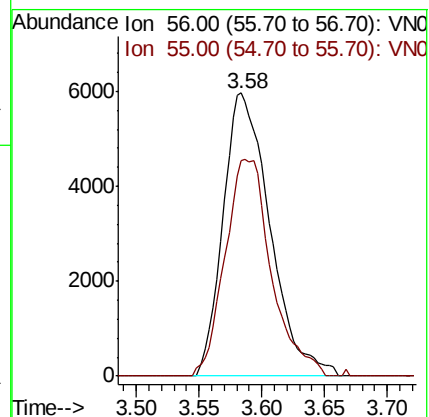
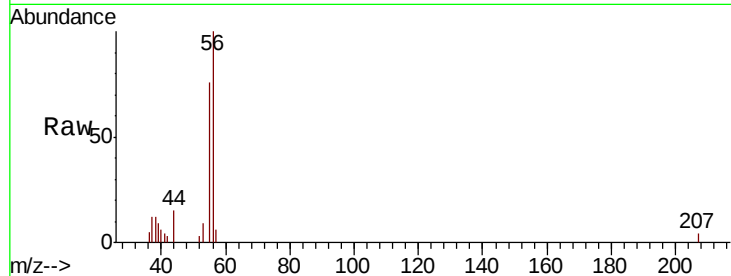
ClientSampleId :

Tot Ion: 56 Resp: 15483

Ion Ratio Lower Upper

56 100

55 75.5 56.7 85.1



#14

Allyl chloride

Concen: 5.200 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

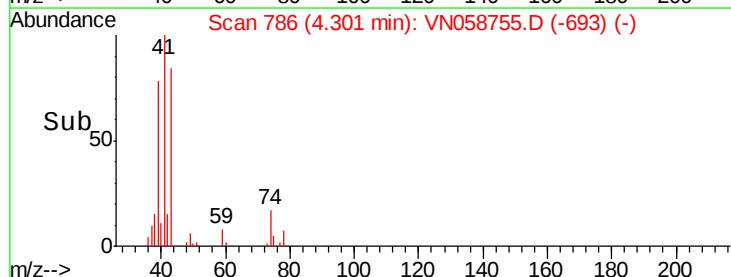
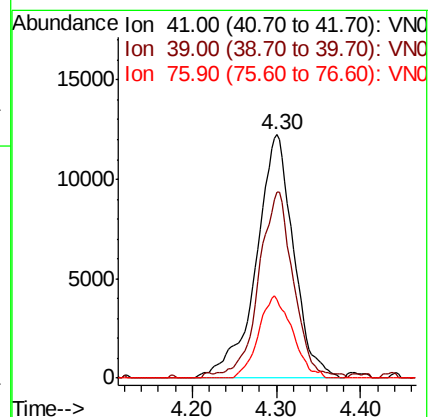
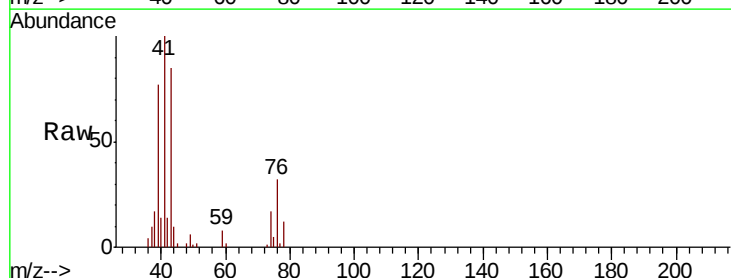
Tgt Ion: 41 Resp: 37743

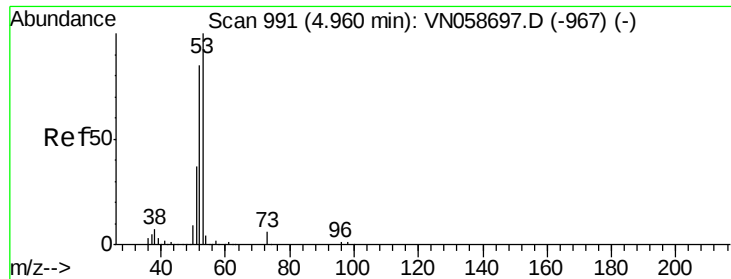
Ion Ratio Lower Upper

41 100

39 71.0 57.2 85.8

76 30.4 25.0 37.6





#15

Acrylonitrile

Concen: 27.544 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

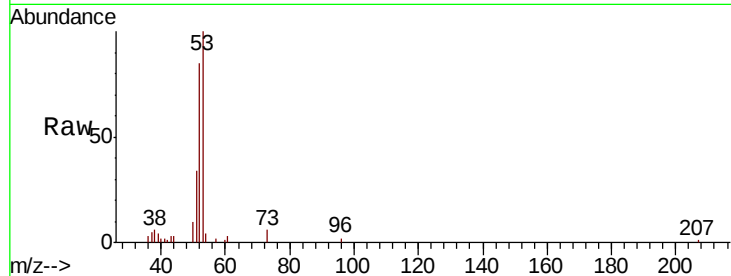
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 53 Resp: 58987

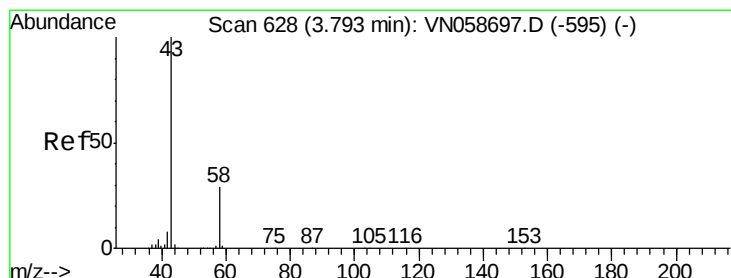
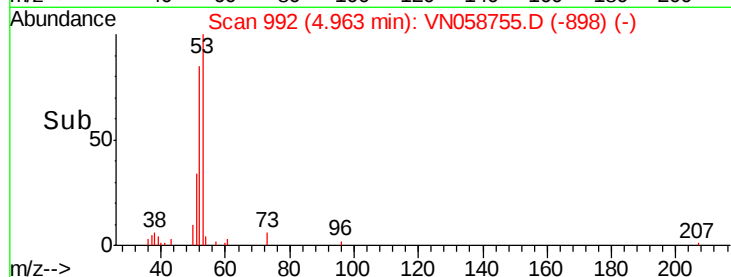
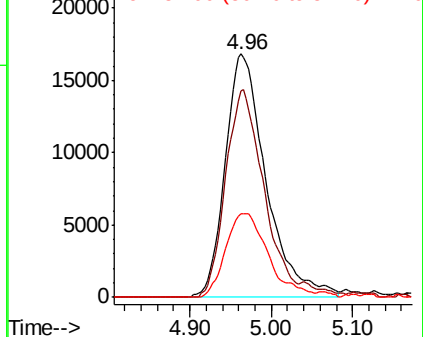
Ion	Ratio	Lower	Upper
53	100		
52	78.8	66.2	99.2
51	35.7	29.4	44.2



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: 24.783 ug/l

RT: 3.80 min Scan# 630

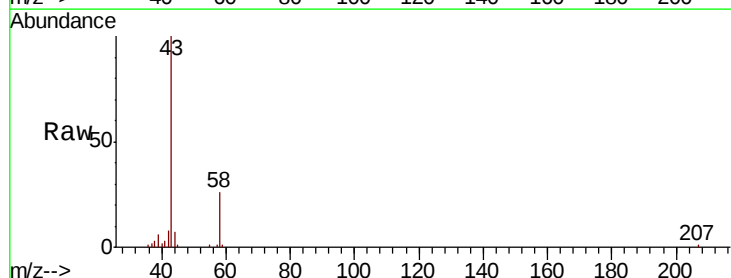
Delta R.T. 0.01 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

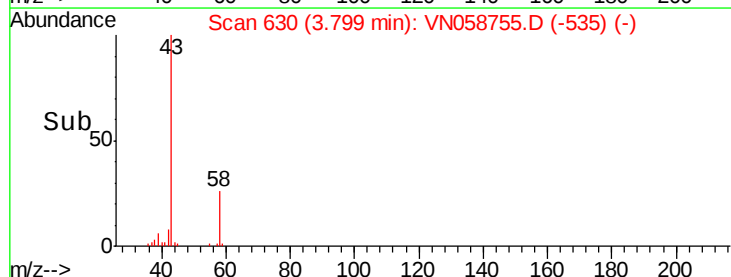
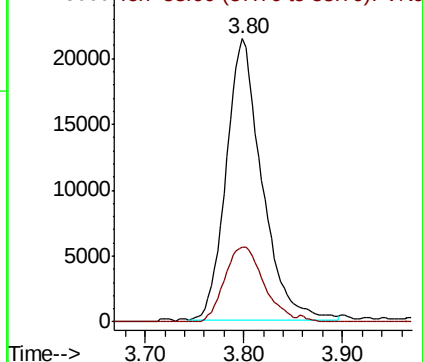
Tgt Ion: 43 Resp: 53799

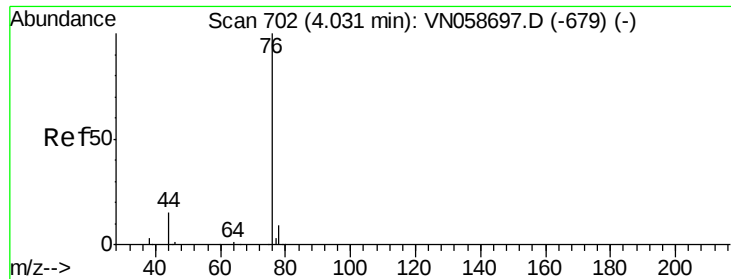
Ion	Ratio	Lower	Upper
43	100		
58	26.6	23.3	34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

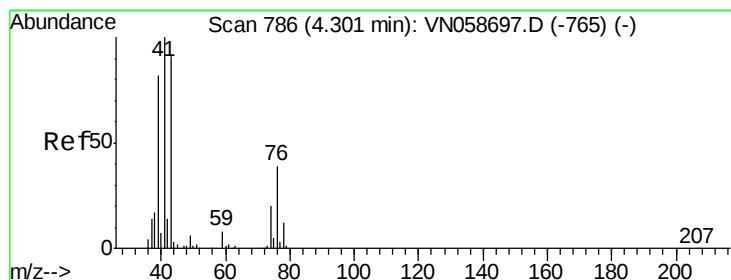
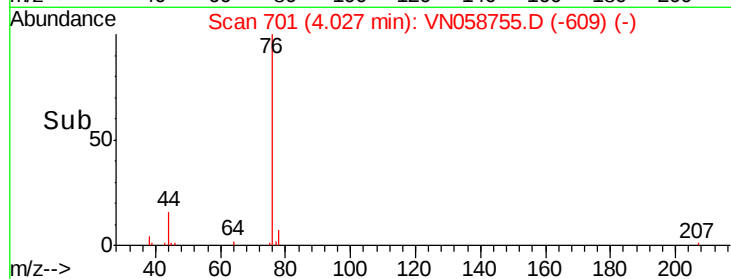
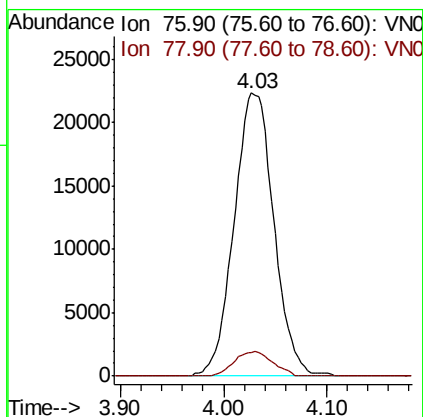
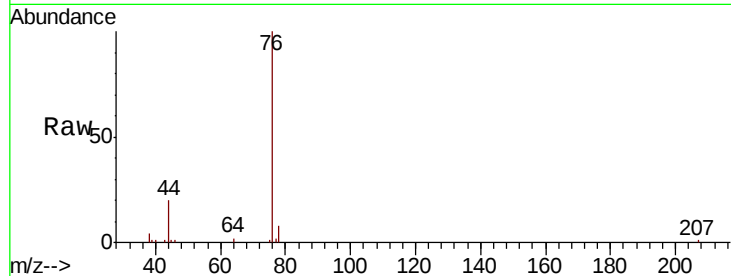




#17
Carbon Disulfide
Concen: 5.206 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

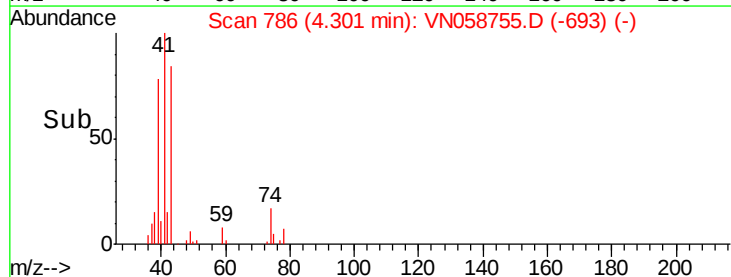
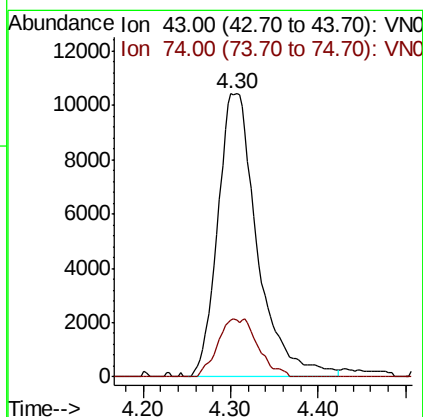
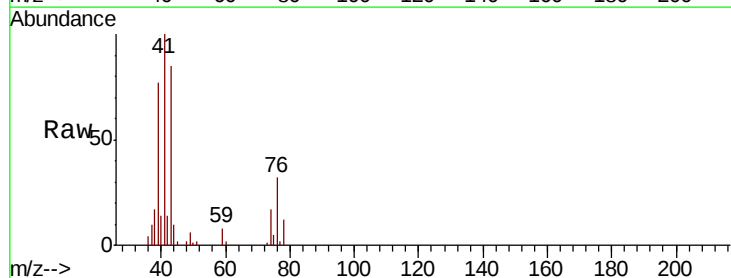
Instrument :
MSVOA_N
ClientSampleId :

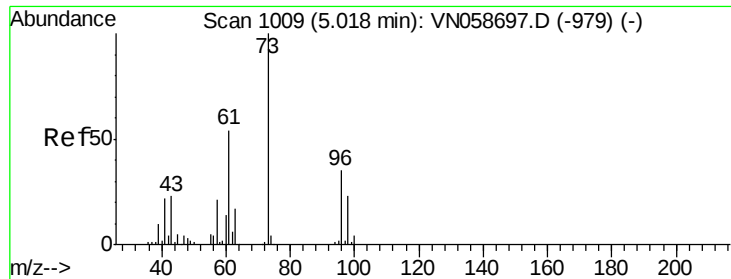
Tot Ion: 76 Resp: 59860
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 5.965 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 43 Resp: 32848
Ion Ratio Lower Upper
43 100
74 11.4 17.2 25.8#

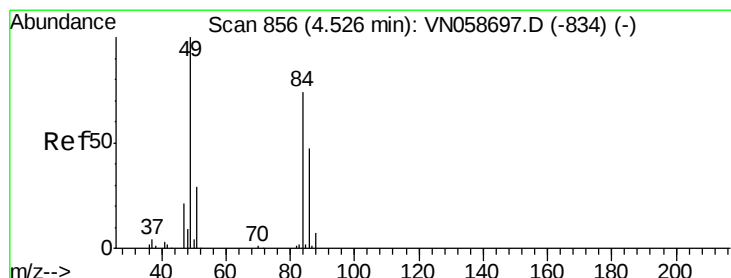
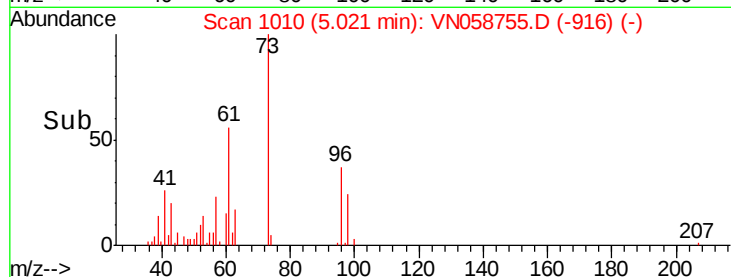
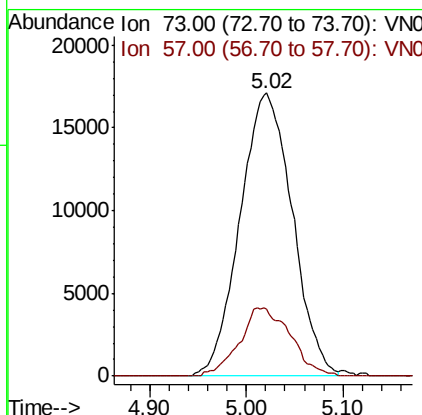
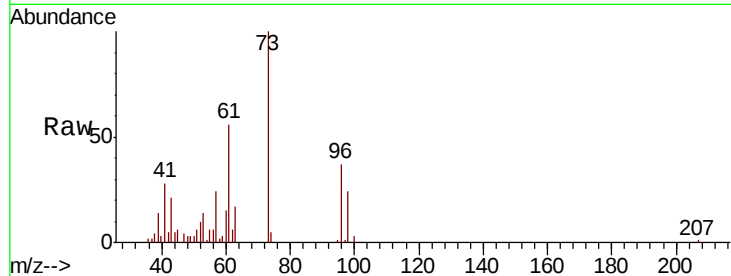




#19
Methvl tert-butvl Ether
Concen: 5.004 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

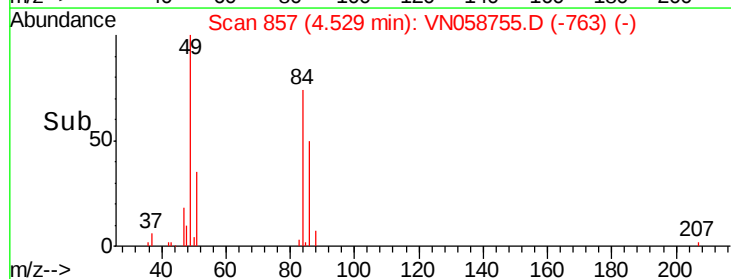
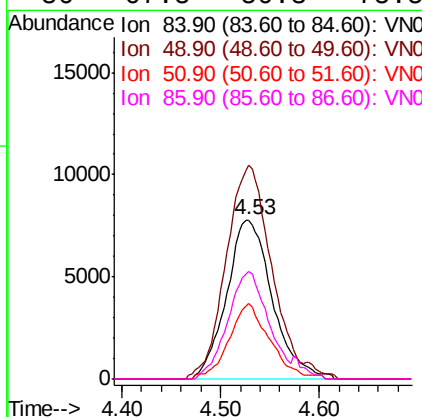
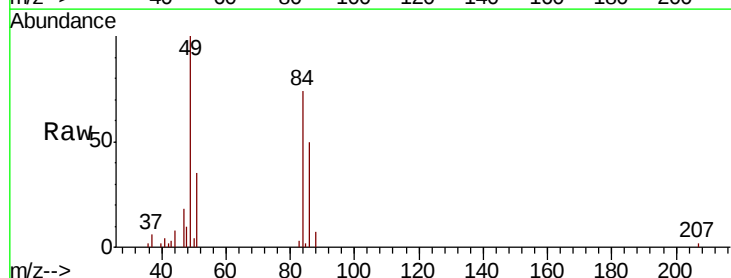
Instrument :
MSVOA_N
ClientSampleId :

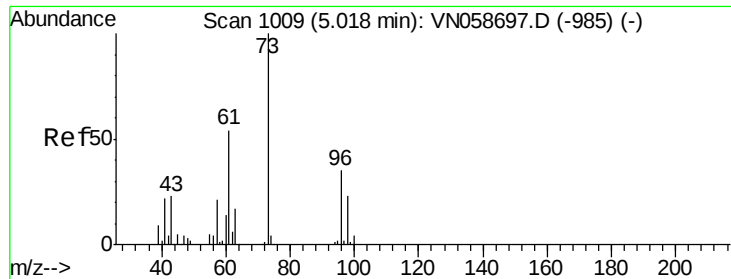
Tot Ion: 73 Resp: 64269
Ion Ratio Lower Upper
73 100
57 23.7 17.0 25.6



#20
Methylene Chloride
Concen: 5.537 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 84 Resp: 25119
Ion Ratio Lower Upper
84 100
49 134.5 107.6 161.4
51 47.2 31.4 47.0#
86 67.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 5.293 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

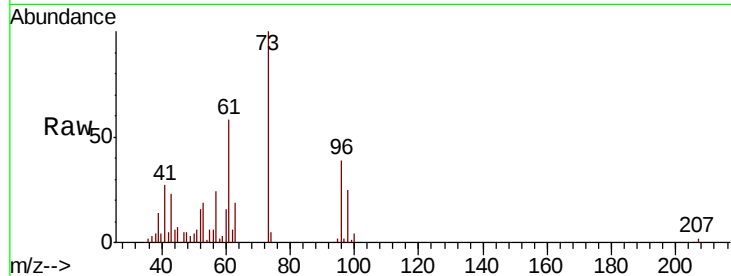
Tot Ion: 96 Resp: 21295

Ion Ratio Lower Upper

96 100

61 149.7 123.6 185.4

98 64.6 52.1 78.1

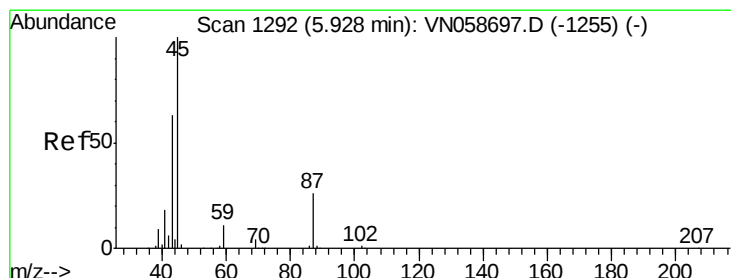
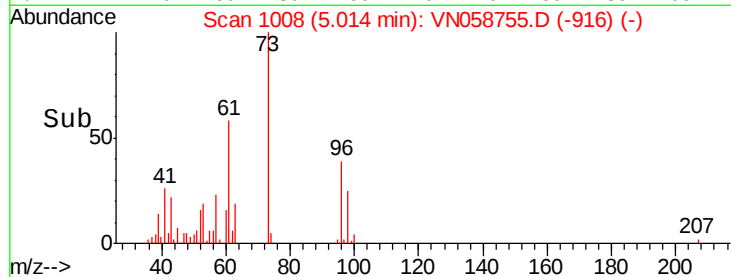
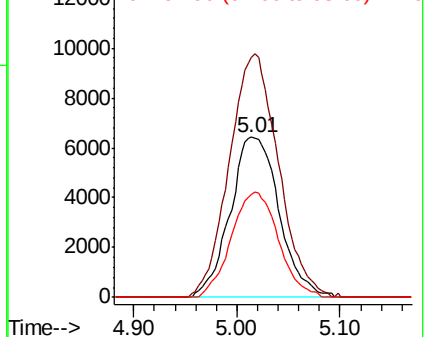


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 5.049 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Tgt Ion: 45 Resp: 71257

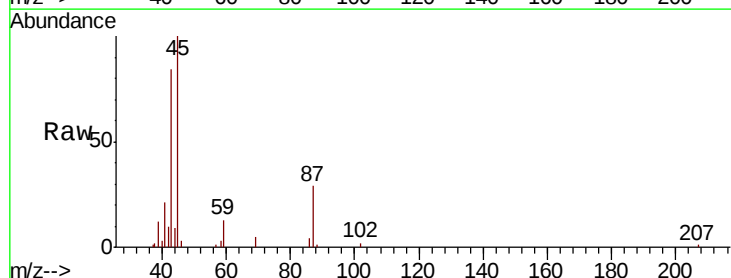
Ion Ratio Lower Upper

45 100

43 79.2 50.6 75.8#

87 28.5 21.1 31.7

59 12.9 9.0 13.4



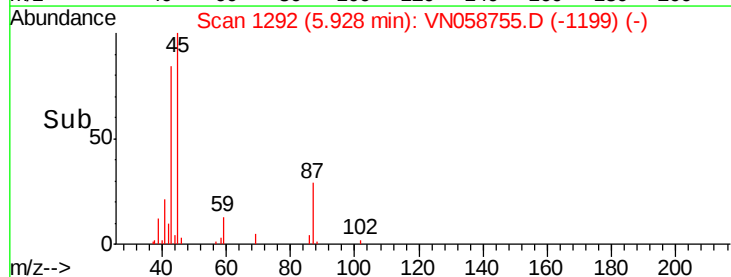
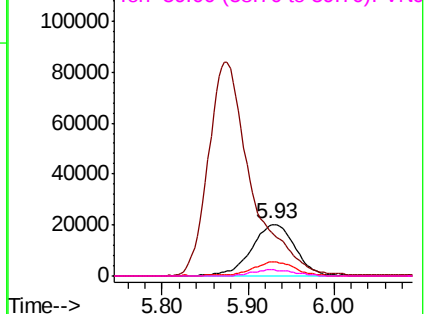
Abundance

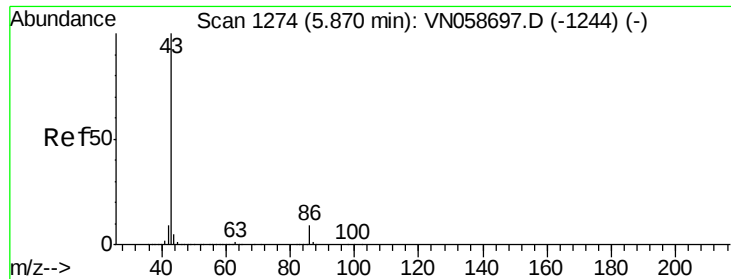
Ion 45.00 (44.70 to 45.70): VN0

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

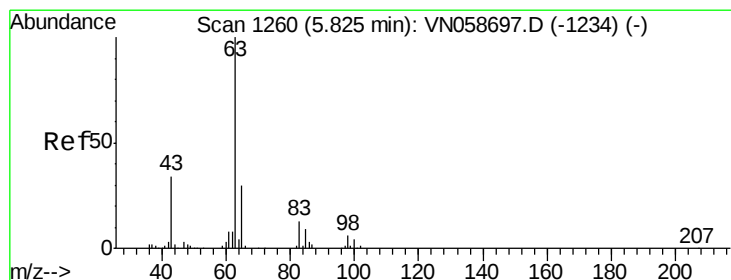
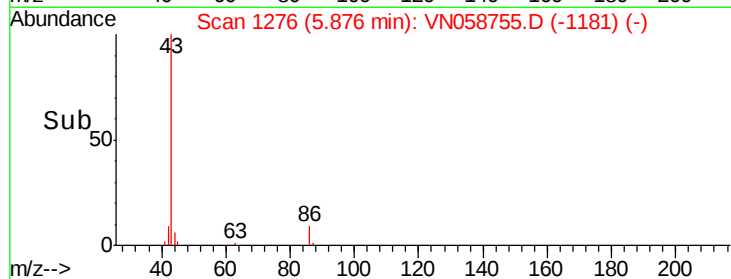
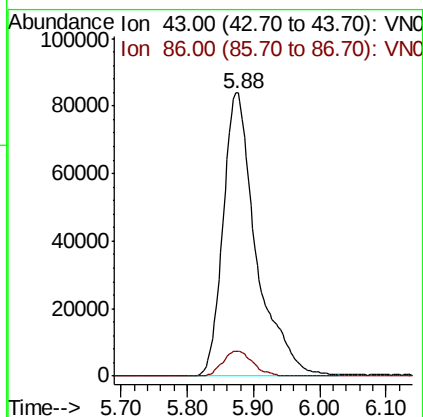
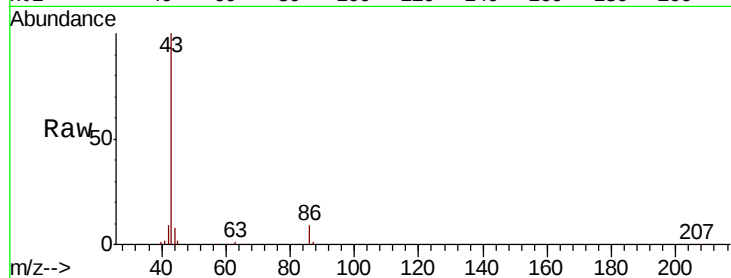




#23
 Vinyl Acetate
 Concen: 25.620 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.01 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

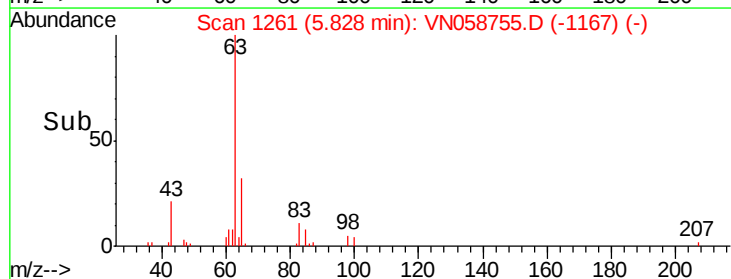
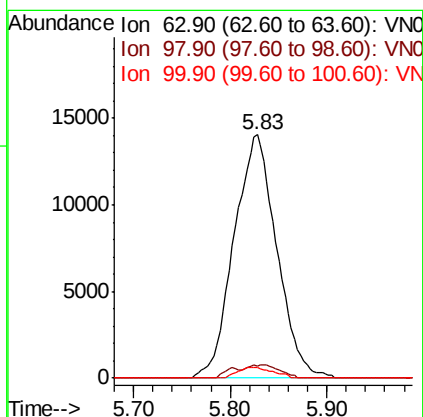
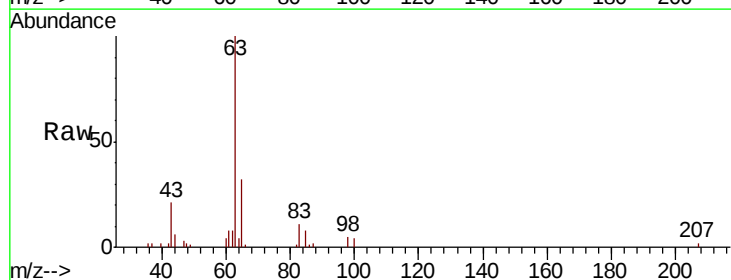
Instrument :
 MSVOA_N
 ClientSampleId :

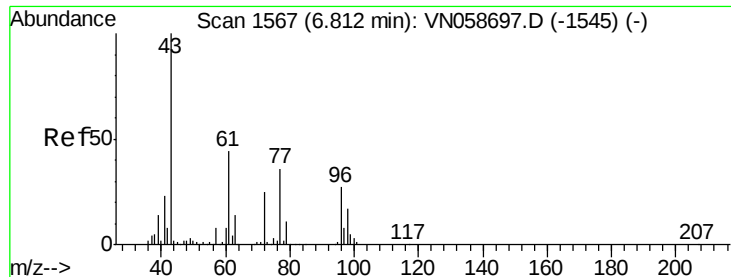
Tot Ion: 43 Resp: 291768
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 5.350 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion: 63 Resp: 43002
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.9 8.6
 100 4.3 1.8 5.5

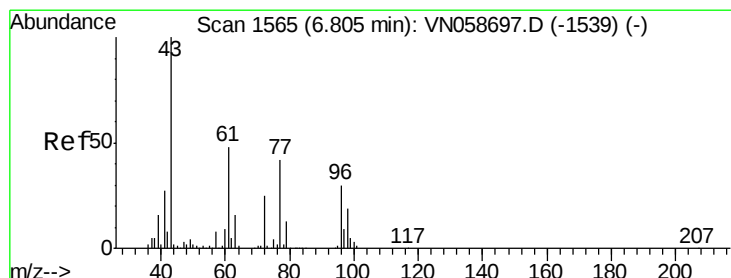
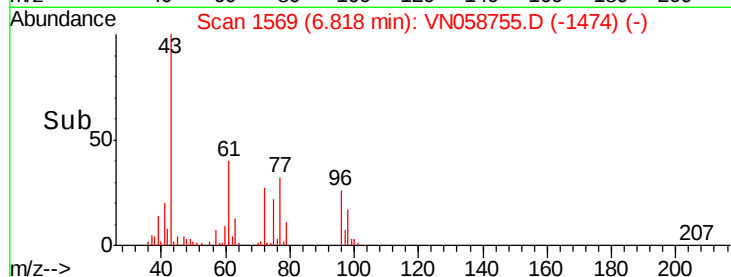
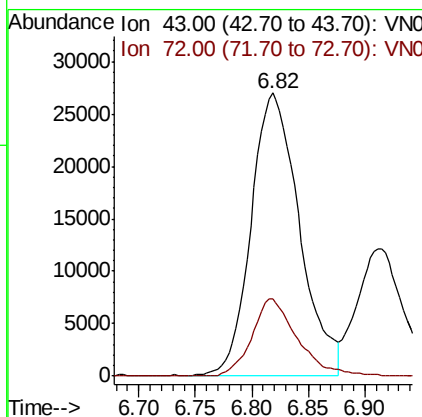
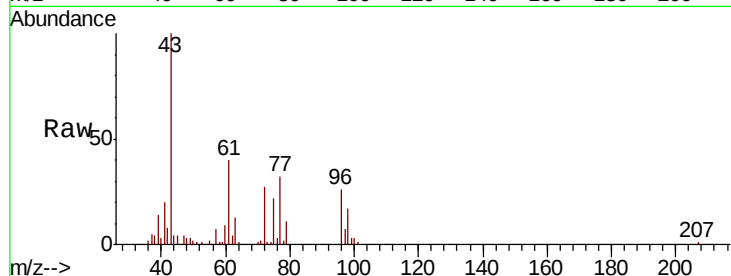




#25
 2-Butanone
 Concen: 25.598 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

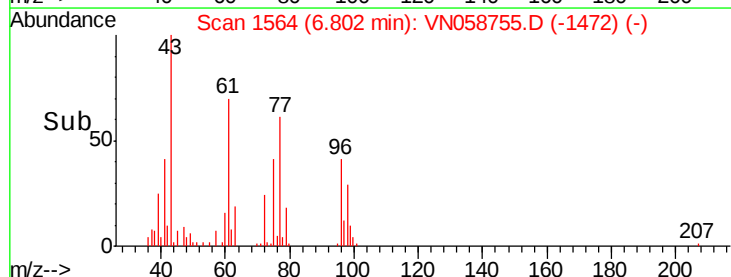
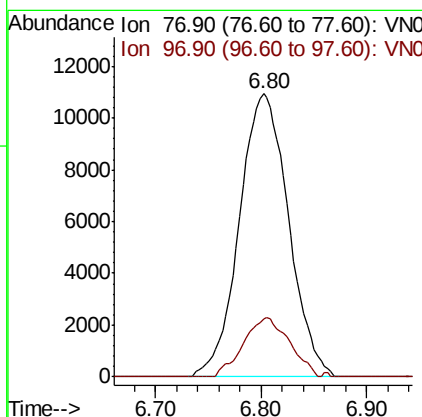
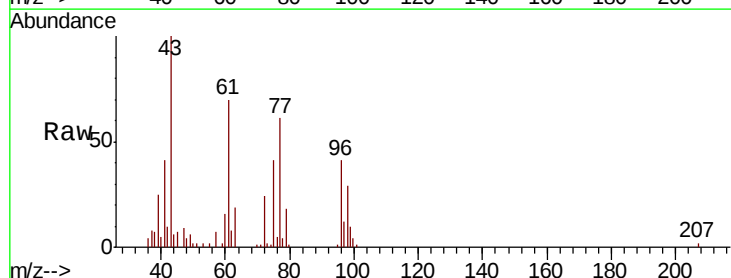
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 80317
 Ion Ratio Lower Upper
 43 100
 72 27.2 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 4.831 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion: 77 Resp: 35449
 Ion Ratio Lower Upper
 77 100
 97 19.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 5.177 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

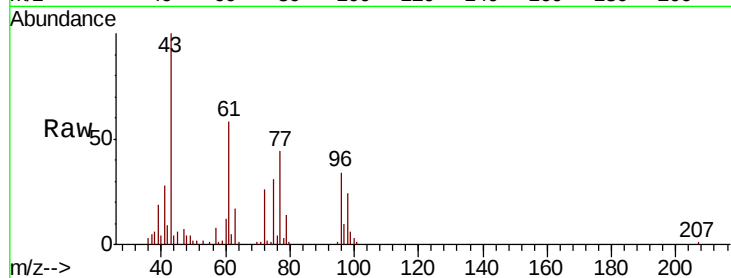
Tot Ion: 96 Resp: 24288

Ion Ratio Lower Upper

96 100

61 159.9 0.0 324.8

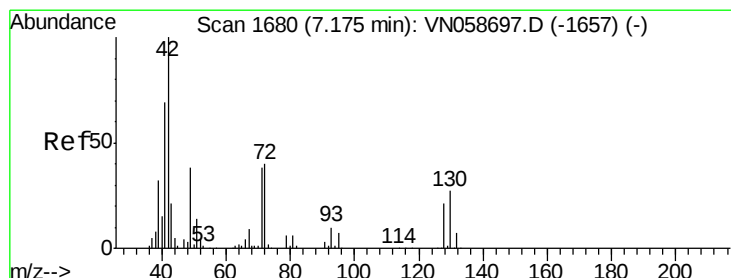
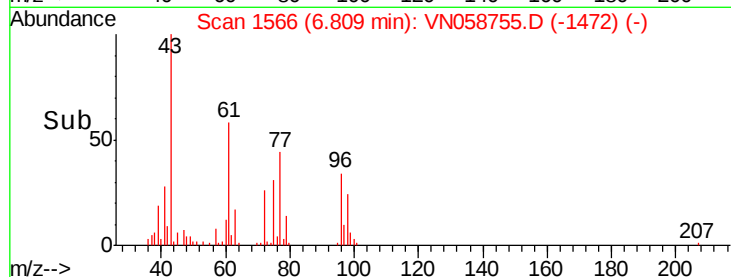
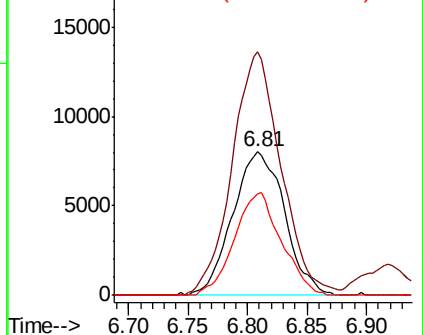
98 64.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058697.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058697.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058697.D (-1542) (-)



#28

Bromochloromethane

Concen: 5.388 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

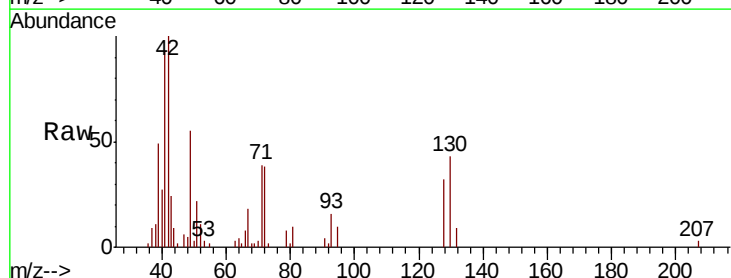
Tgt Ion: 49 Resp: 15068

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.6

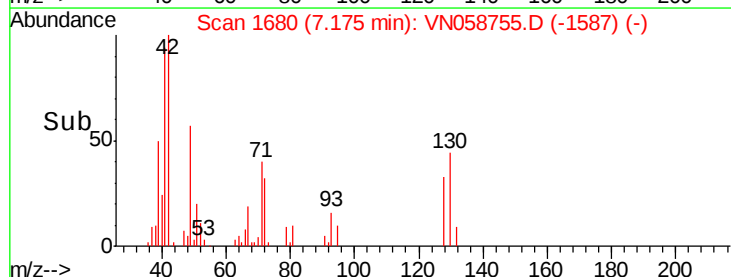
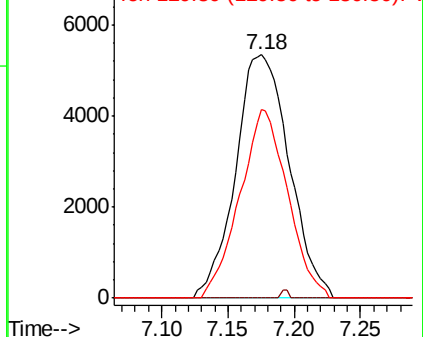
130 69.1 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN058697.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN058697.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN058697.D (-1657) (-)

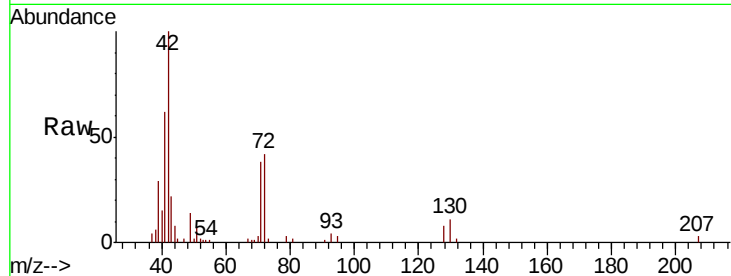




#29
Tetrahydrofuran
Concen: 26.583 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	32.8	49.2
71	38.2	31.1	46.7

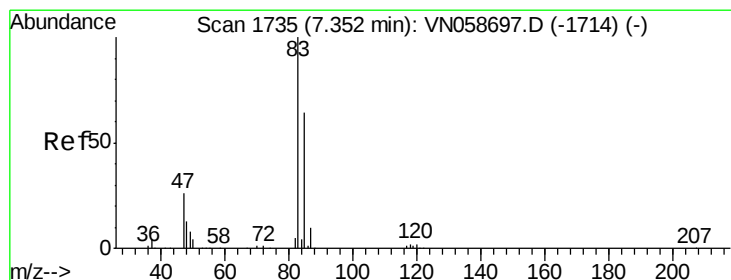
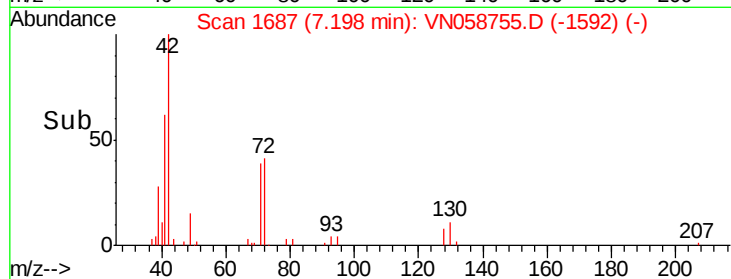
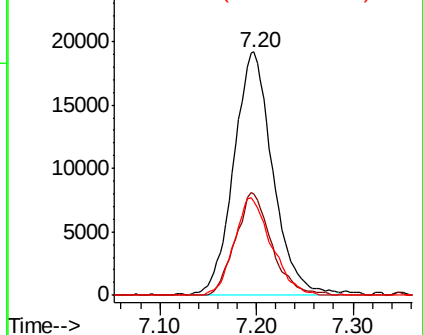


Abundance

Ion 42.00 (41.70 to 42.70): VN0

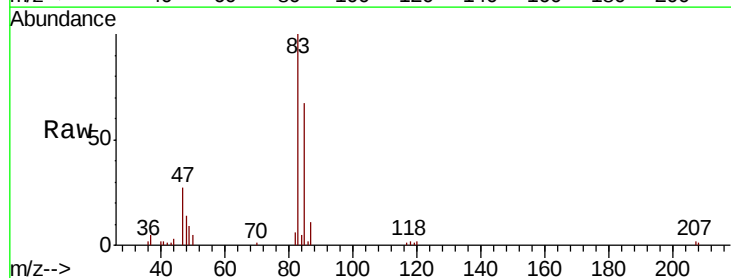
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 5.396 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

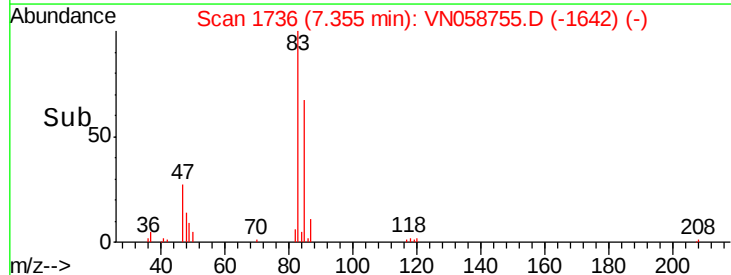
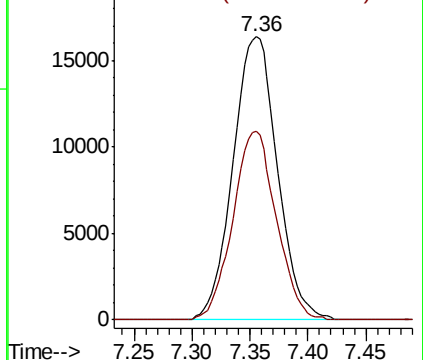
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.0	76.6

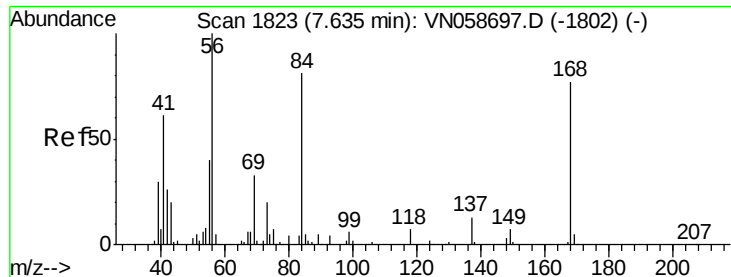


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

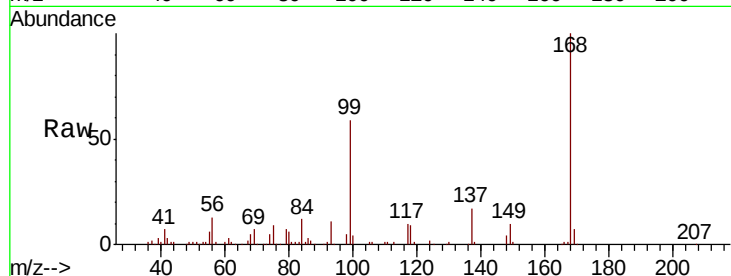




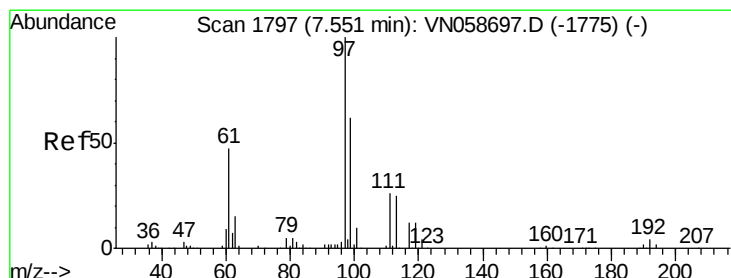
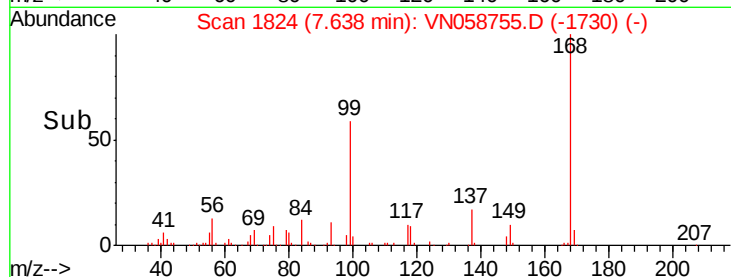
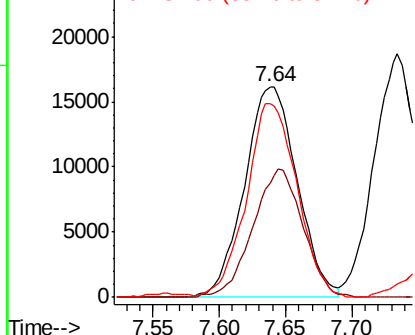
#31
Cyclohexane
Concen: 5.794 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 44560
Ion Ratio Lower Upper
56 100
69 54.4 26.2 39.4#
84 91.1 64.9 97.3

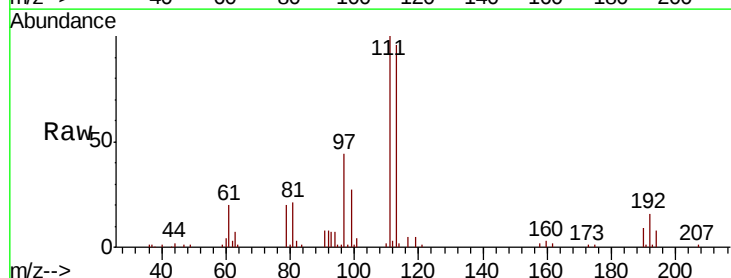


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

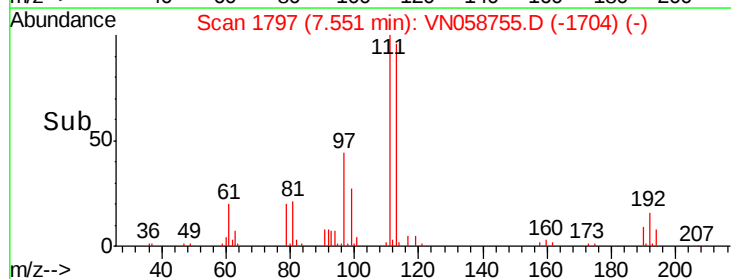
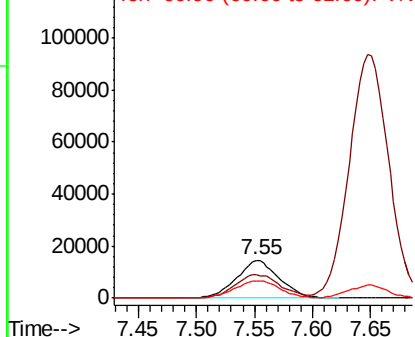


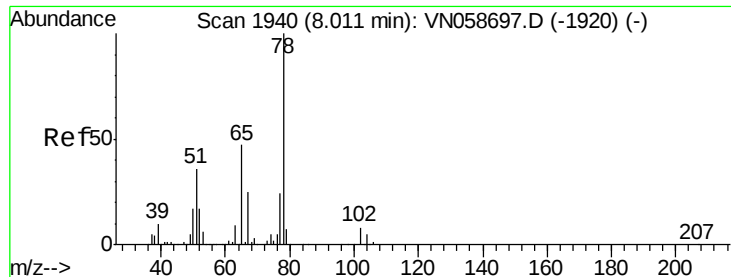
#32
1,1,1-Trichloroethane
Concen: 5.355 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 97 Resp: 36885
Ion Ratio Lower Upper
97 100
99 66.4 50.8 76.2
61 49.3 38.1 57.1



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: 53.608 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

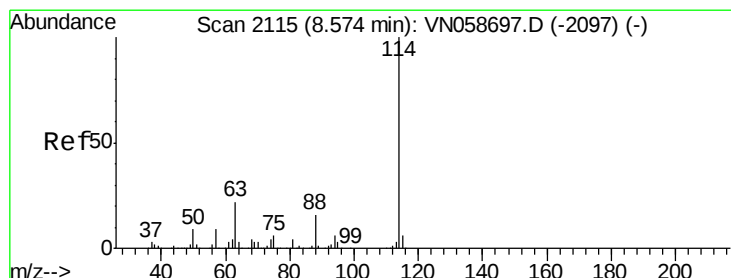
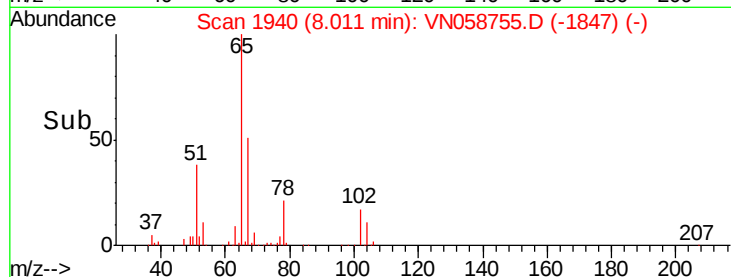
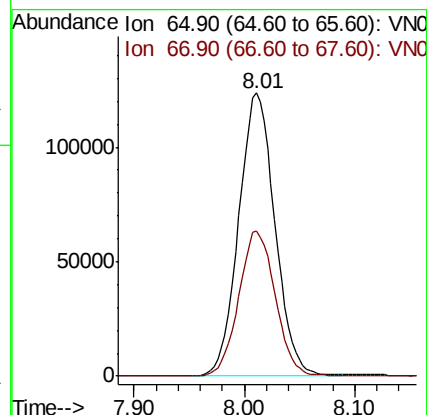
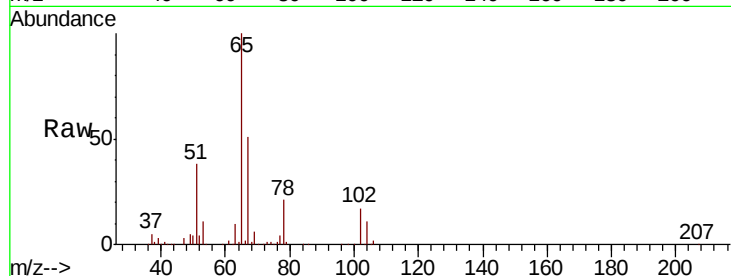
ClientSampled :

Tot Ion: 65 Resp: 281093

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

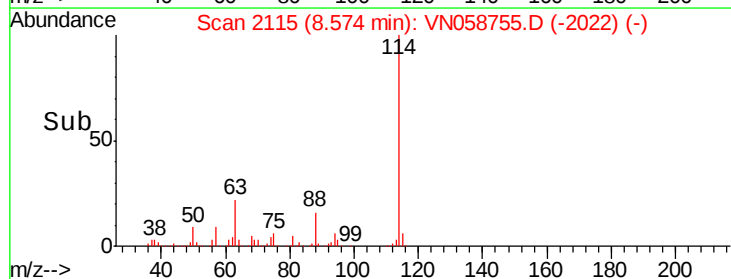
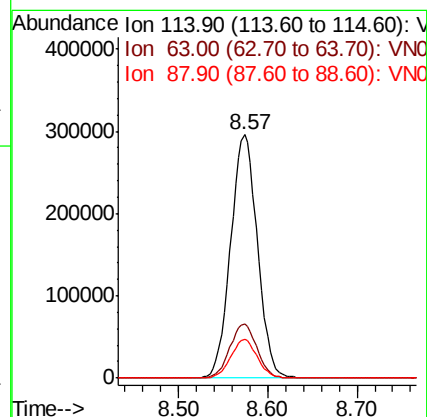
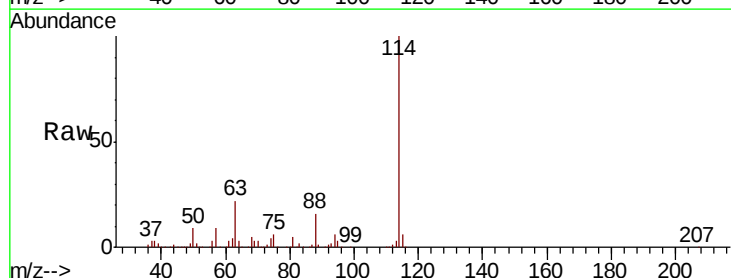
Tgt Ion: 114 Resp: 614914

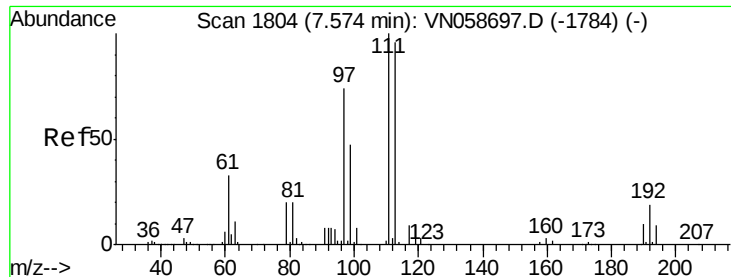
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

88 16.1 0.0 32.0

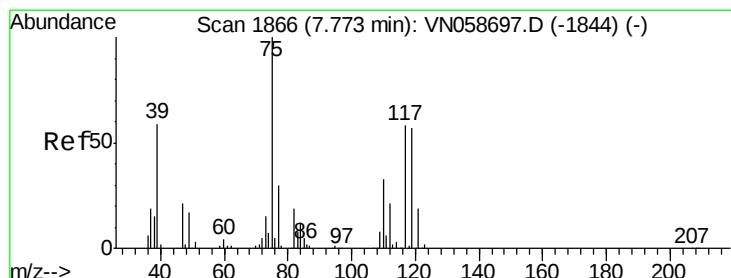
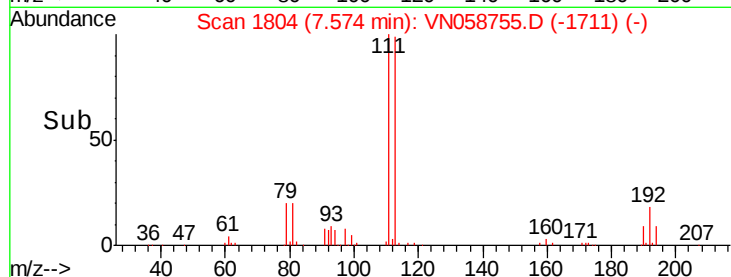
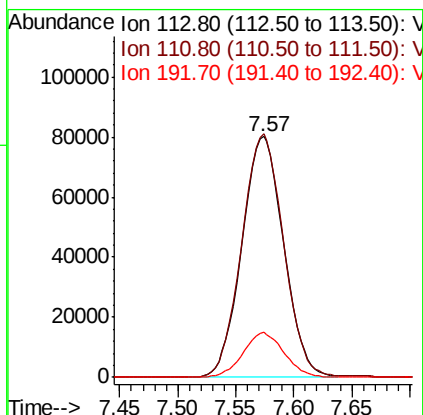
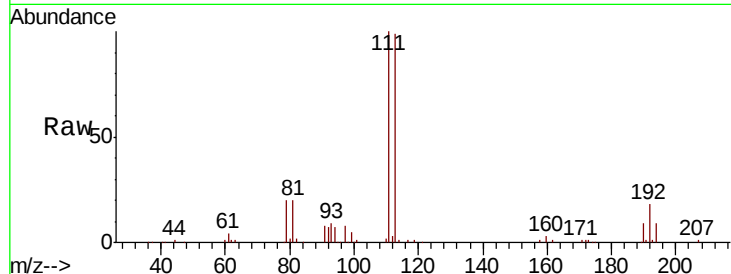




#35
Dibromofluoromethane
Concen: 52.981 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

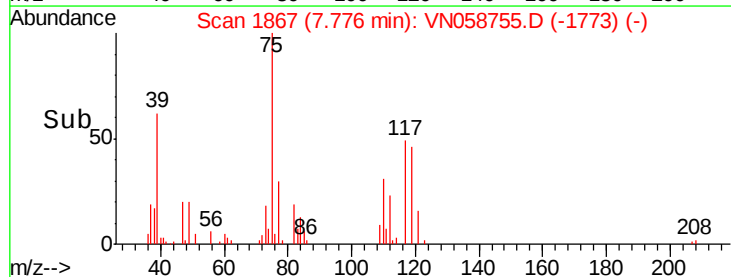
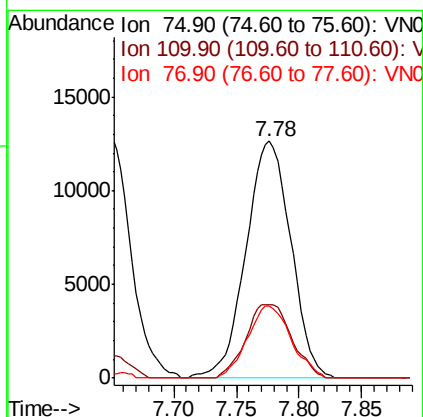
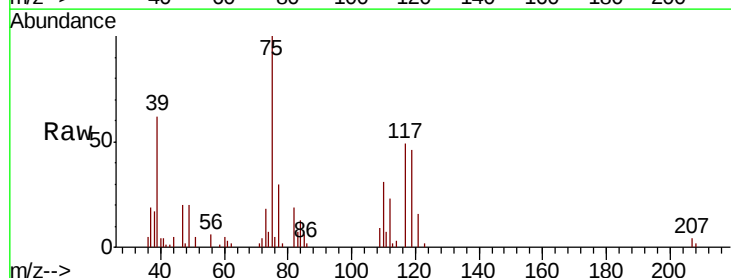
Instrument :
MSVOA_N
ClientSampleId :

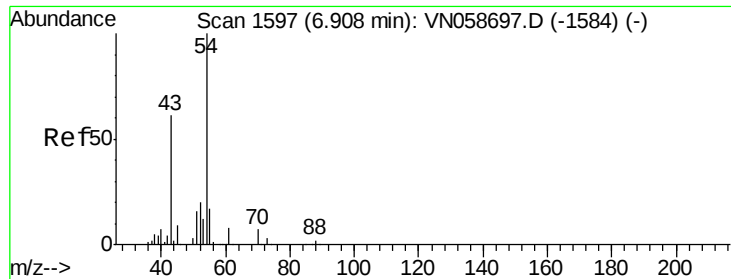
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.3	123.5
192	18.3	15.0	22.6



#36
1,1-Dichloropropene
Concen: 5.069 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.6	49.8
77	29.5	24.6	37.0

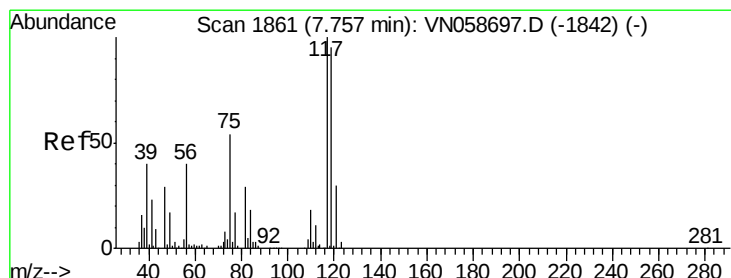
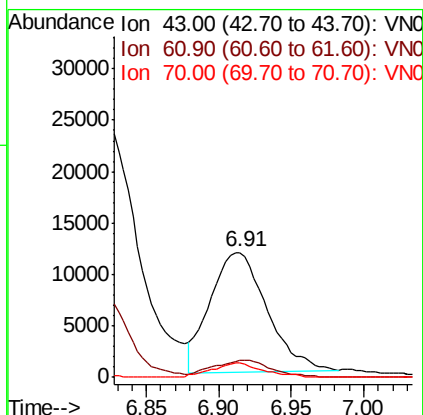
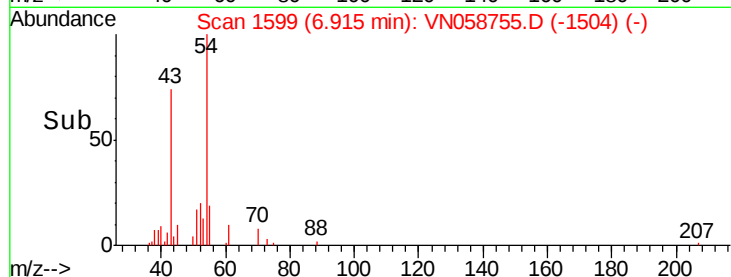
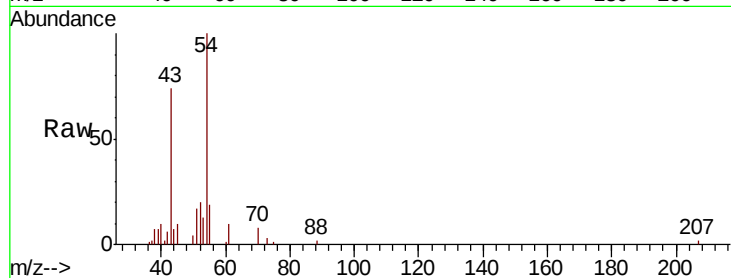




#37
Ethyl Acetate
Concen: 5.094 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

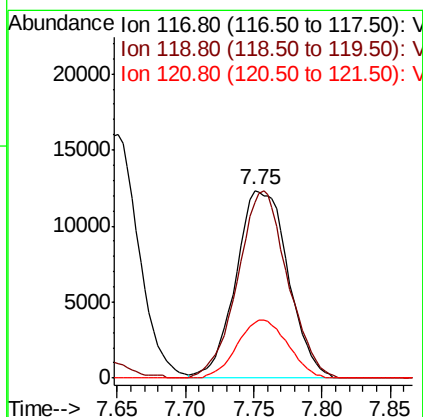
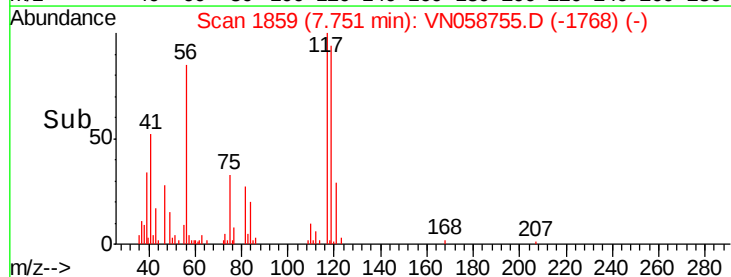
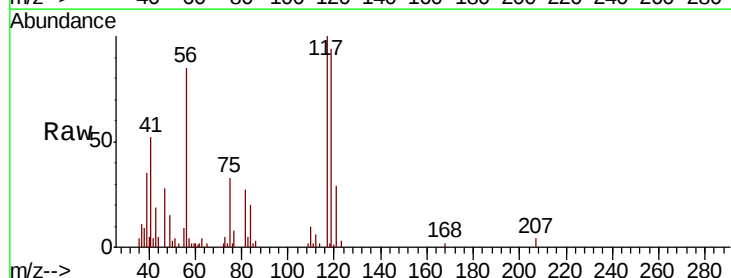
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 32030
Ion Ratio Lower Upper
43 100
61 14.7 11.3 16.9
70 10.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 117 Resp: 32793
Ion Ratio Lower Upper
117 100
119 94.1 75.7 113.5
121 29.4 23.9 35.9

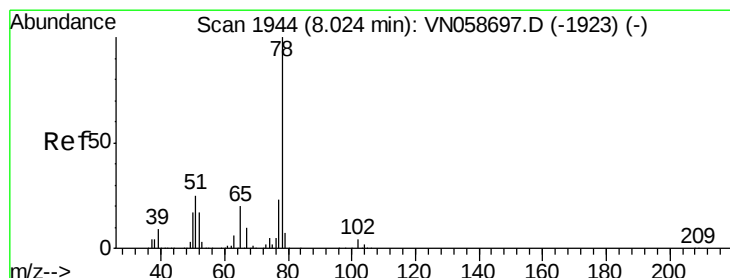
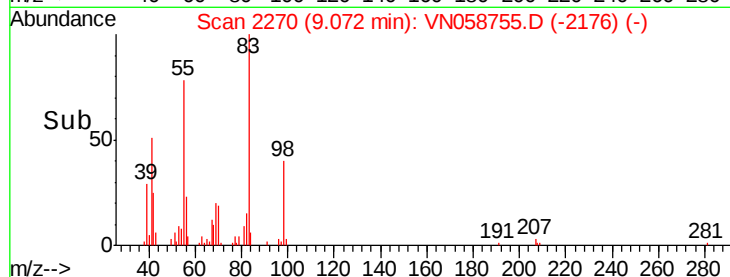
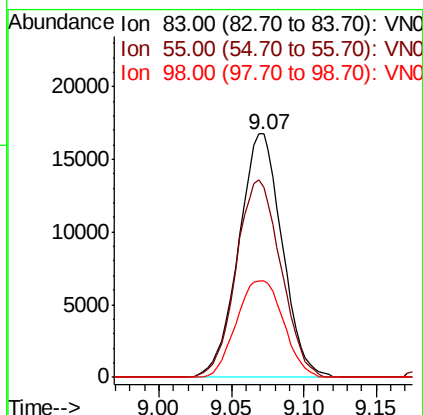
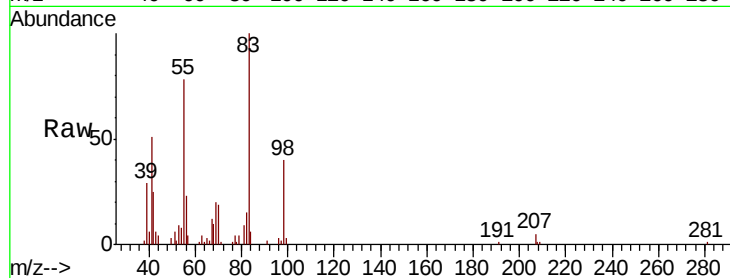




#39
Methvlcvclohexane
Concen: 4.836 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

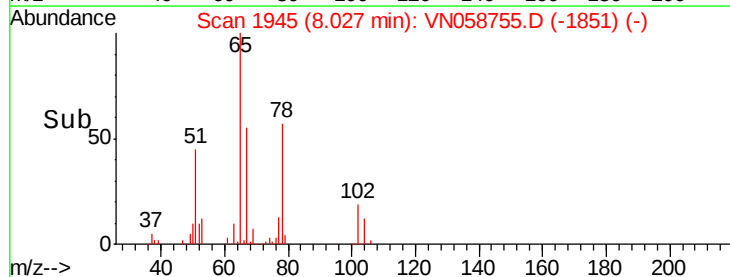
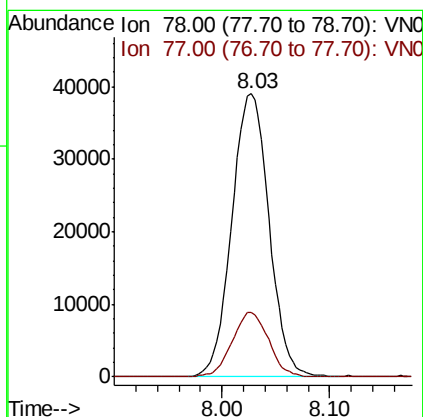
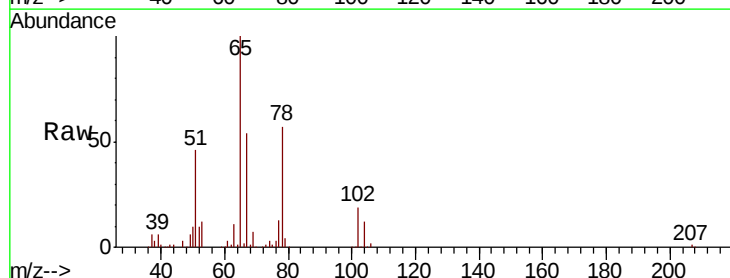
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 34890
Ion Ratio Lower Upper
83 100
55 78.1 63.4 95.0
98 39.8 35.1 52.7



#40
Benzene
Concen: 5.248 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 78 Resp: 93701
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2

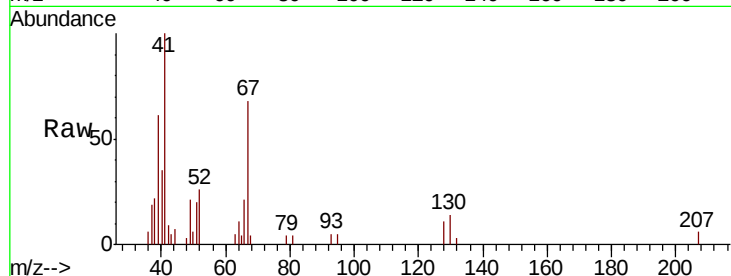




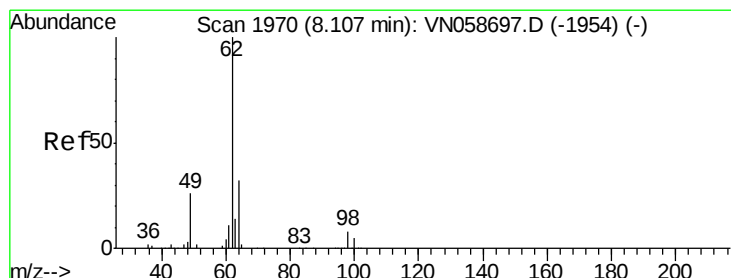
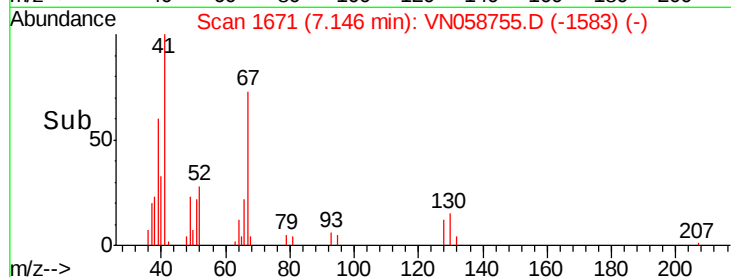
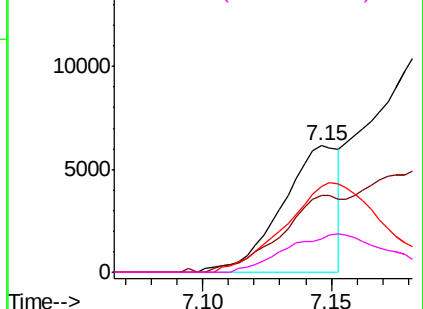
#41
Methacrylonitrile
Concen: 3.186 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.02 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 9377
Ion Ratio Lower Upper
41 100
39 68.7 115.4 173.2#
67 128.9 0.0 0.0#
52 53.4 0.0 0.0#

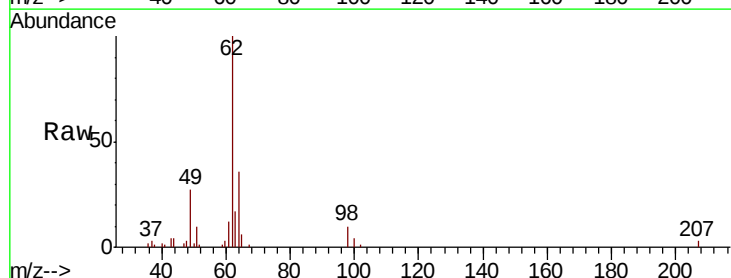


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

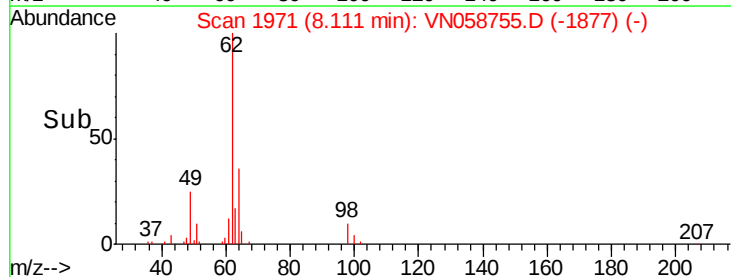
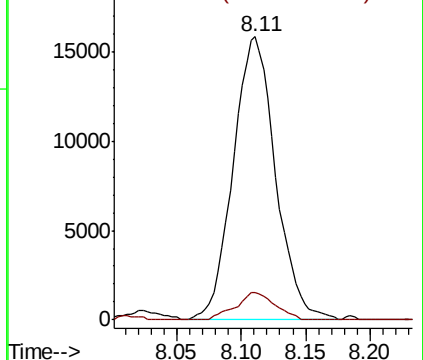


#42
1,2-Dichloroethane
Concen: 5.290 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 62 Resp: 36286
Ion Ratio Lower Upper
62 100
98 9.0 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 5.045 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

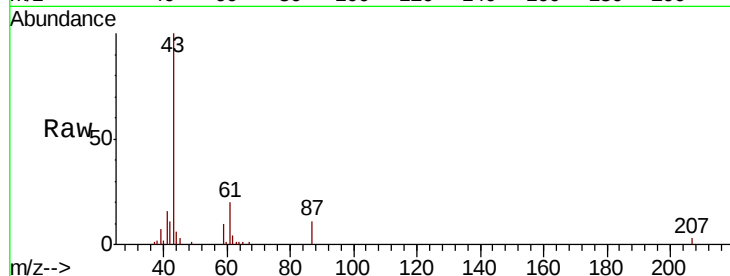
Tot Ion: 43 Resp: 54040

Ion Ratio Lower Upper

43 100

61 18.1 20.3 30.5#

87 11.8 9.8 14.6

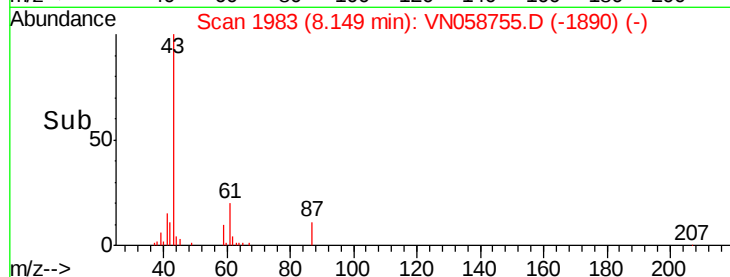


Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)

Time-->



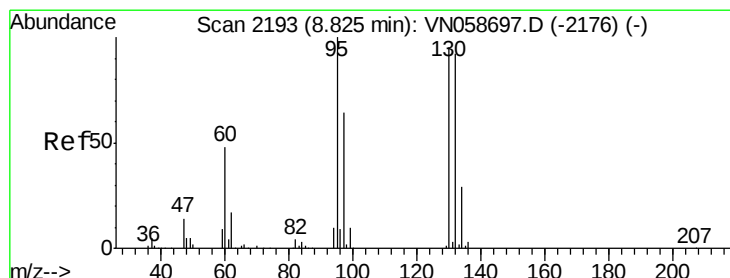
Abundance

Ion 43.00 (42.70 to 43.70): VN058755.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058755.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058755.D (-1890) (-)

Time-->



#44

Trichloroethene

Concen: 5.407 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058755.D

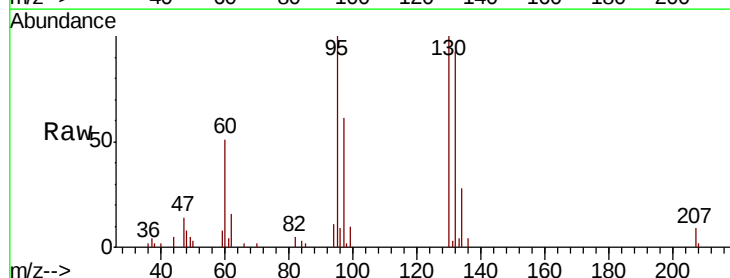
Acq: 14 Oct 2019 17:39

Tgt Ion: 130 Resp: 23975

Ion Ratio Lower Upper

130 100

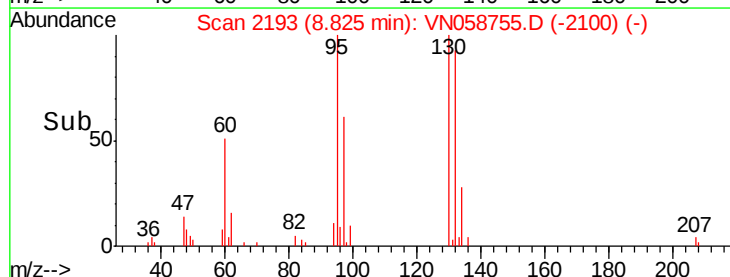
95 100.1 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

Time-->

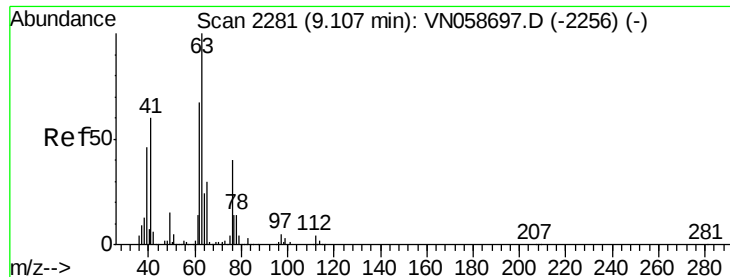


Abundance

Ion 129.80 (129.50 to 130.50): VN058755.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058755.D (-2100) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 5.246 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

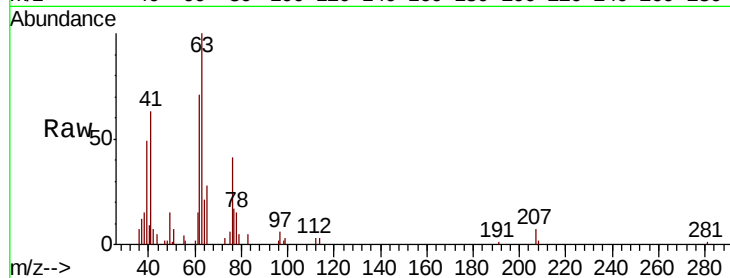
ClientSampled :

Tot Ion: 63 Resp: 25075

Ion Ratio Lower Upper

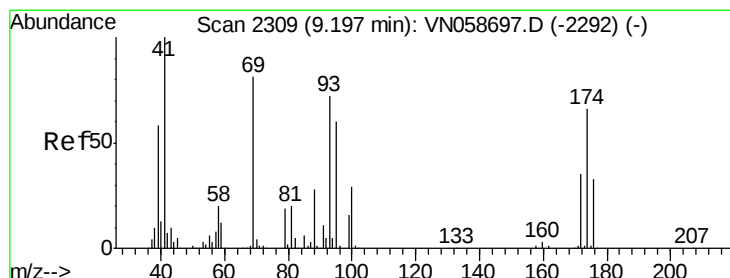
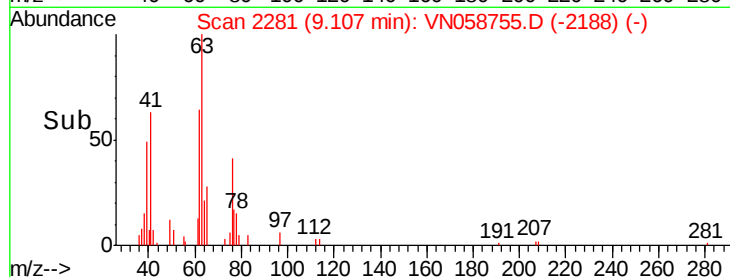
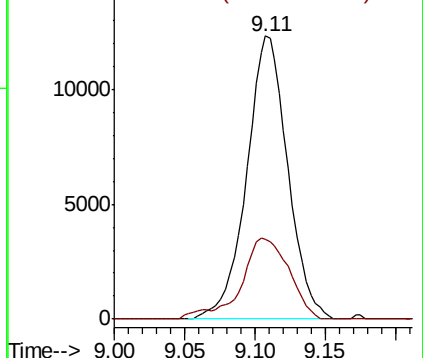
63 100

65 28.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.385 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

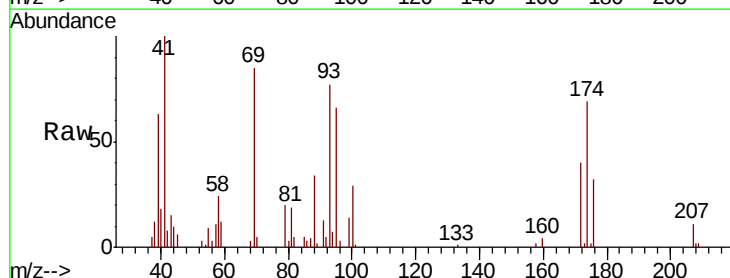
Tgt Ion: 93 Resp: 16319

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

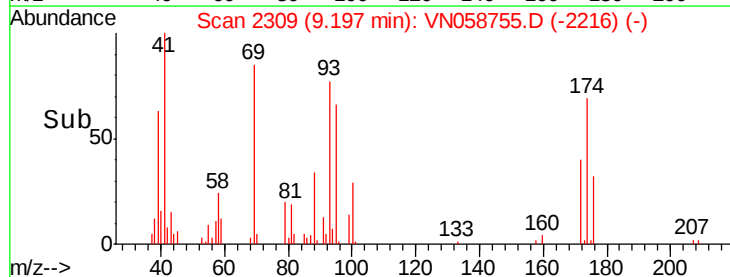
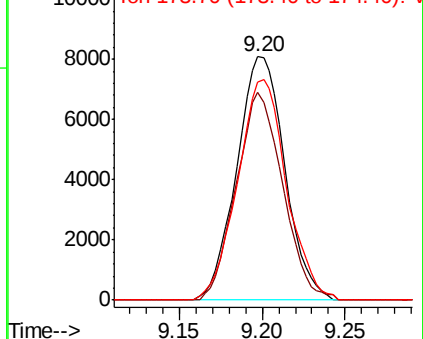
174 92.0 75.2 112.8

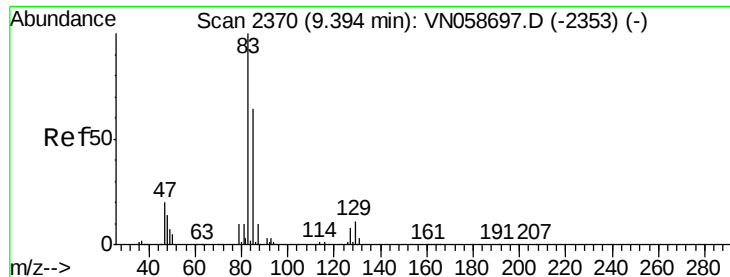


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.440 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :
MSVOA_N
ClientSampleId :

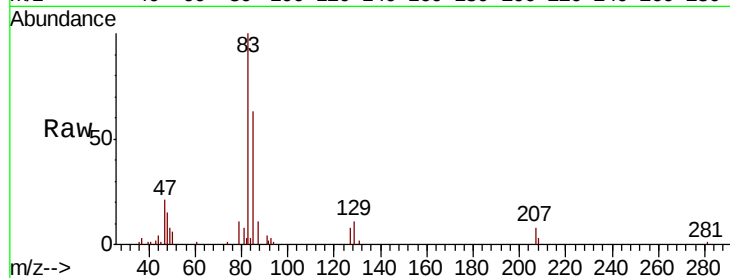
Tot Ion: 83 Resp: 33569

Ion Ratio Lower Upper

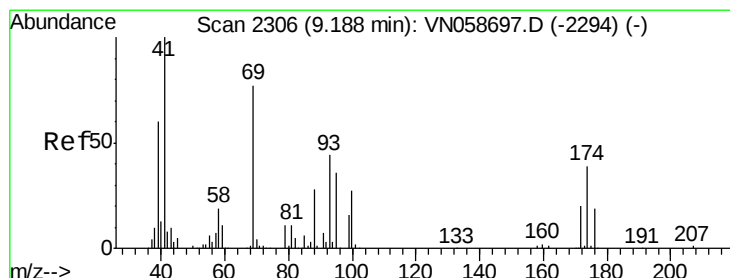
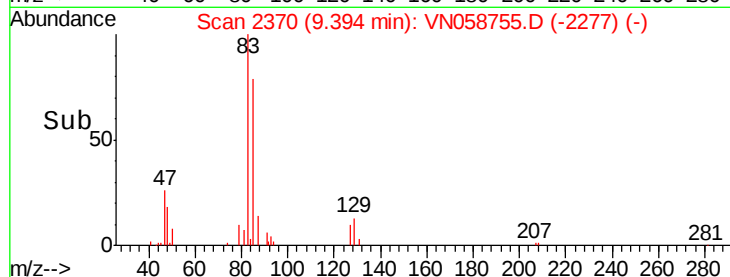
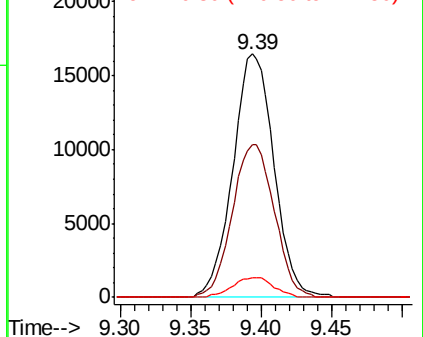
83 100

85 62.7 50.9 76.3

127 7.9 6.3 9.5



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



#48

Methyl methacrylate

Concen: 4.768 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

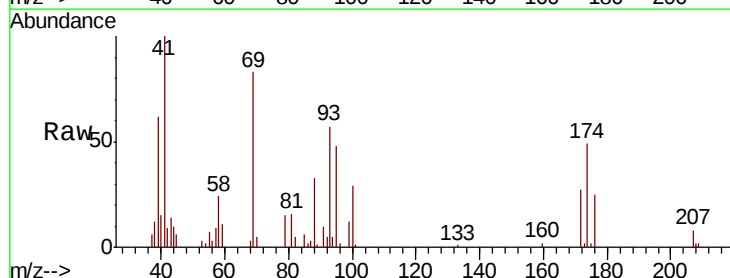
Tgt Ion: 41 Resp: 23149

Ion Ratio Lower Upper

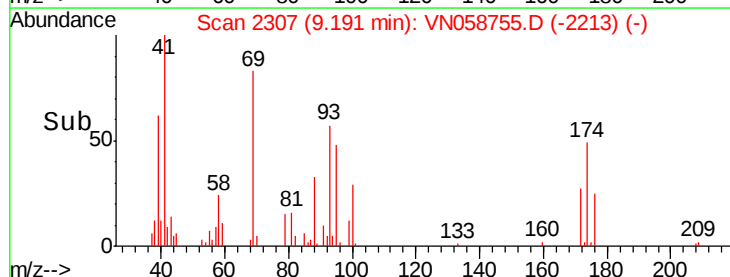
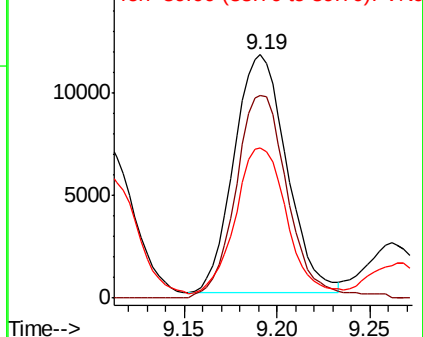
41 100

69 83.7 63.4 95.2

39 60.7 48.9 73.3



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

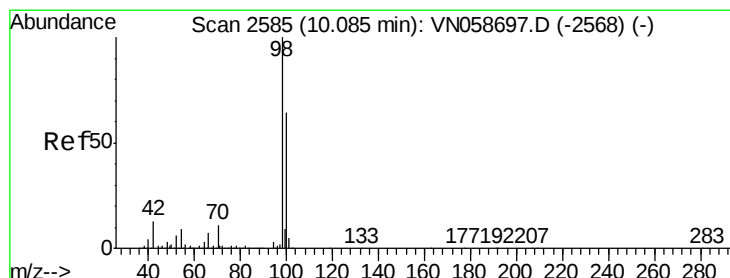
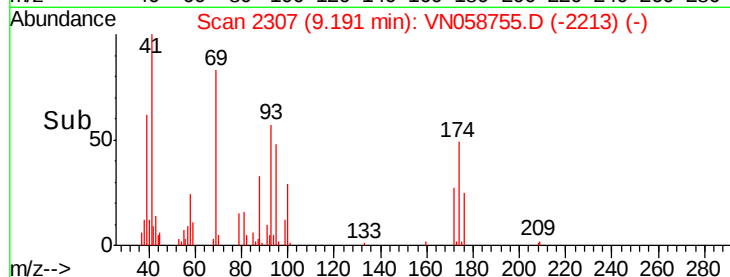
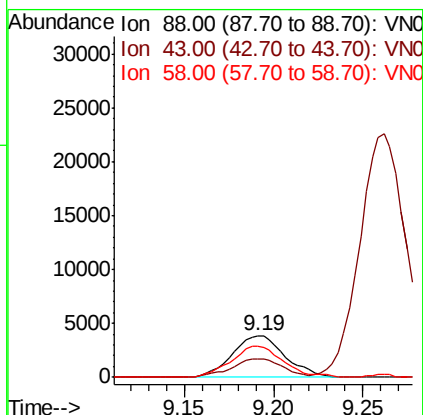
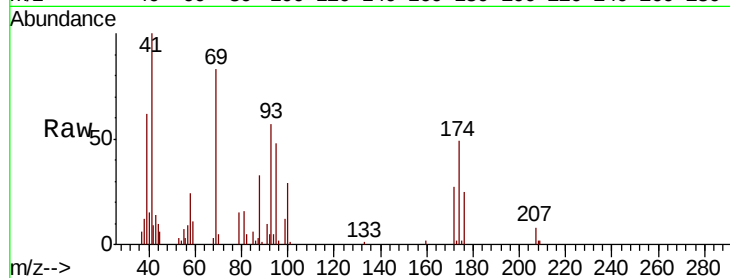




#49
1,4-Dioxane
Concen: 105.958 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

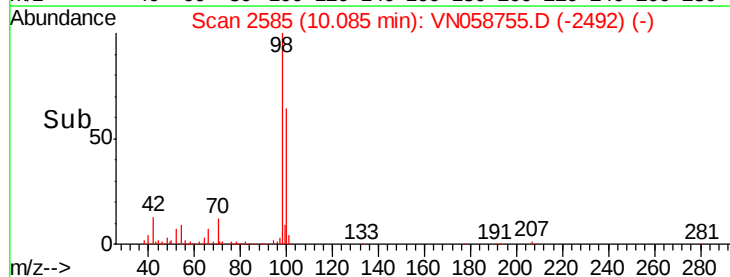
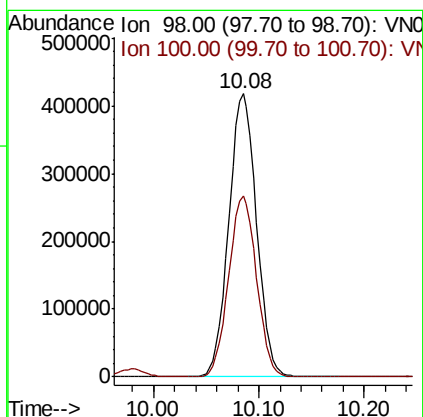
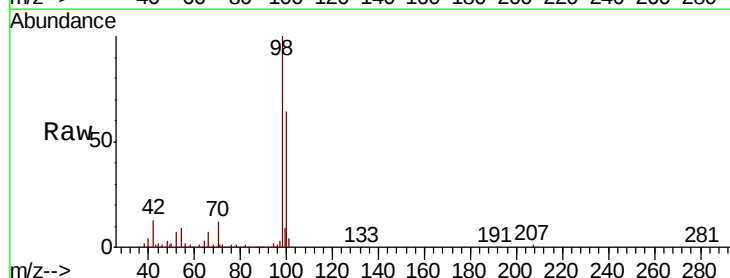
Instrument :
MSVOA_N
ClientSampleId :

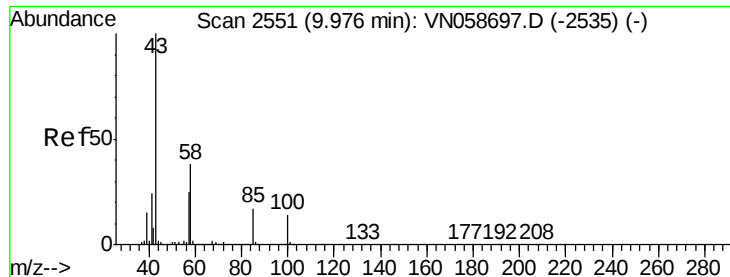
Tot Ion: 88 Resp: 7959
Ion Ratio Lower Upper
88 100
43 42.4 28.6 43.0
58 73.4 57.2 85.8



#50
Toluene-d8
Concen: 50.007 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 98 Resp: 759526
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 26.670 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

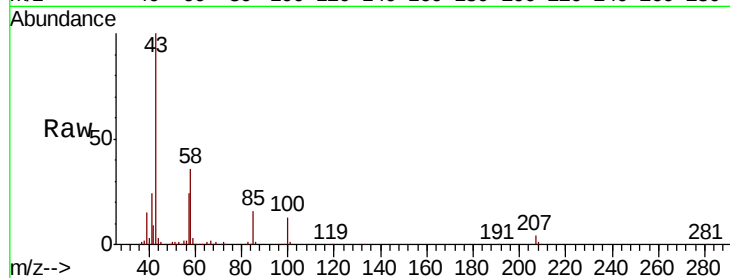
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 160435

Ion Ratio Lower Upper

43 100

58 35.8 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

100000

80000

60000

40000

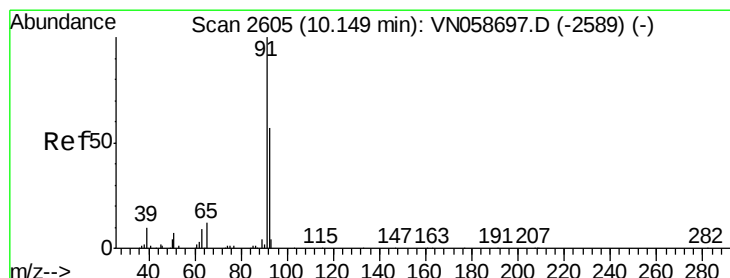
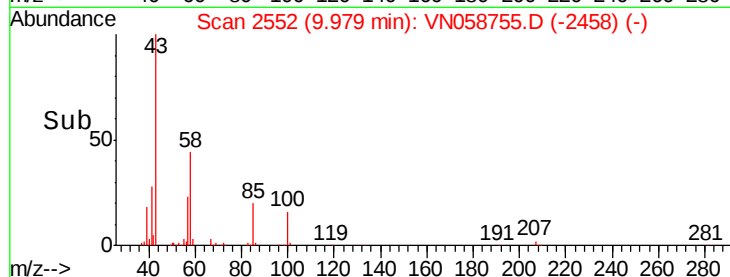
20000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 5.135 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058755.D

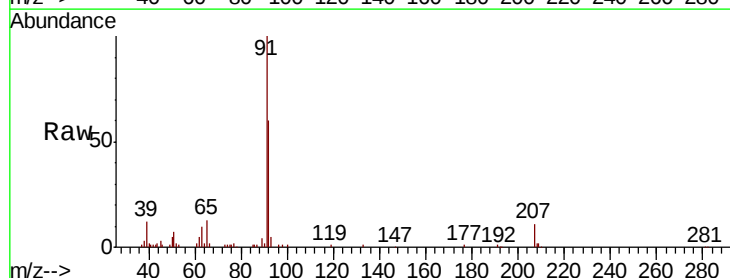
Acq: 14 Oct 2019 17:39

Tgt Ion: 92 Resp: 56084

Ion Ratio Lower Upper

92 100

91 172.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

60000

50000

40000

30000

20000

10000

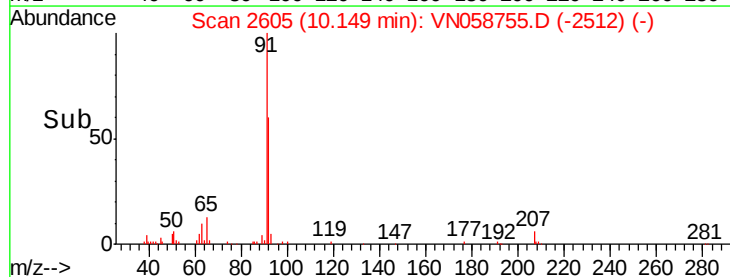
0

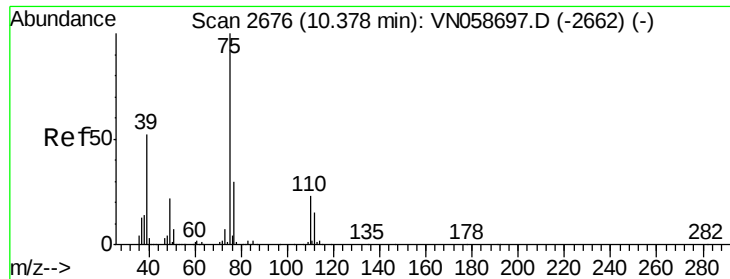
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.883 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

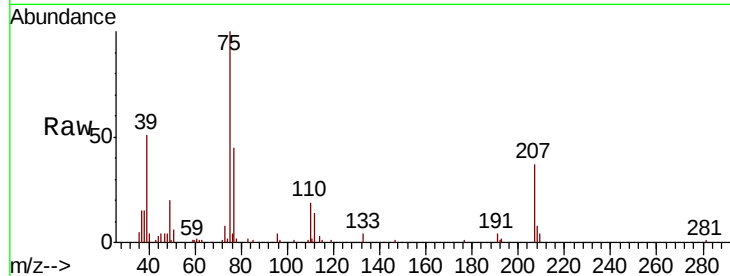
ClientSampleId :

Tot Ion: 75 Resp: 34561

Ion Ratio Lower Upper

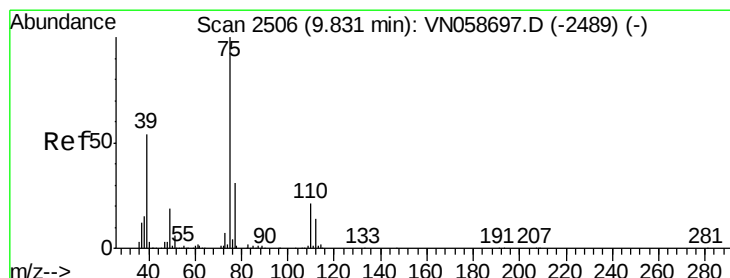
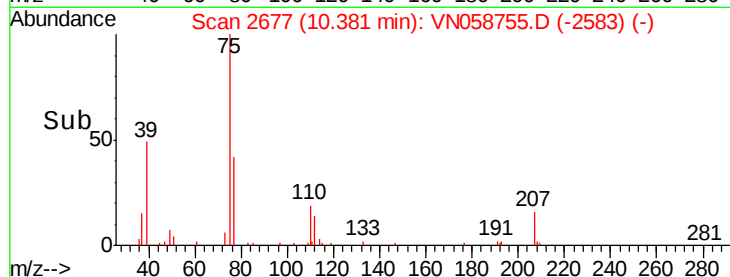
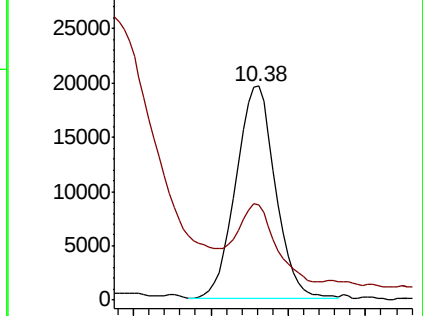
75 100

77 36.5 26.2 39.4



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: 4.860 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

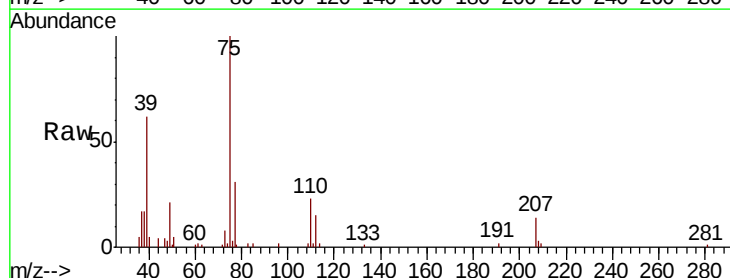
Tgt Ion: 75 Resp: 36523

Ion Ratio Lower Upper

75 100

77 31.3 24.4 36.6

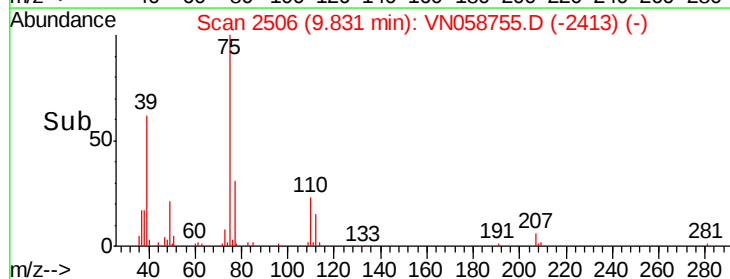
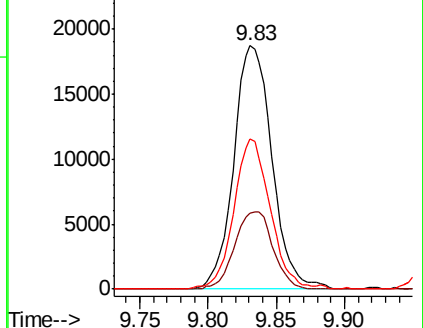
39 61.8 43.1 64.7

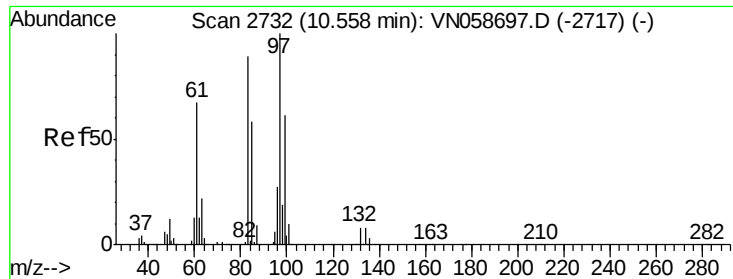


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 5.142 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

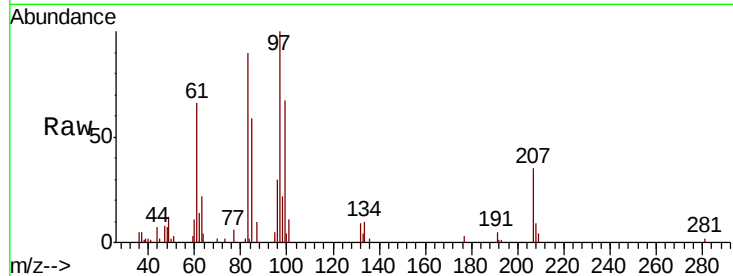
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 22986

Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.2	106.8
85	58.5	46.7	70.1
99	66.6	49.0	73.6



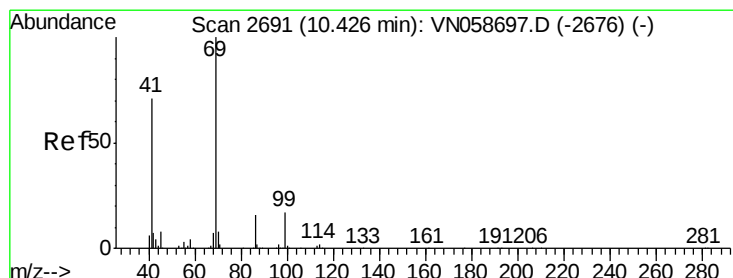
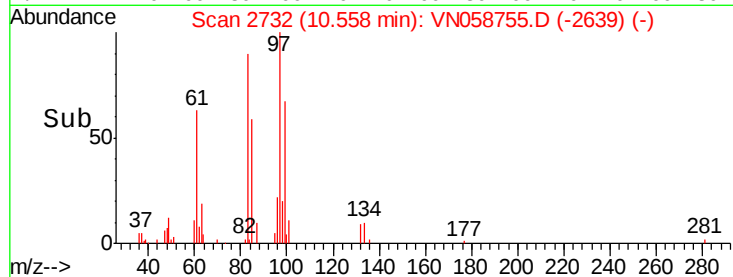
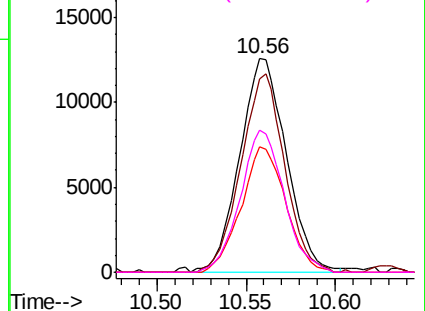
Abundance

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: 4.546 ug/l

RT: 10.43 min Scan# 2691

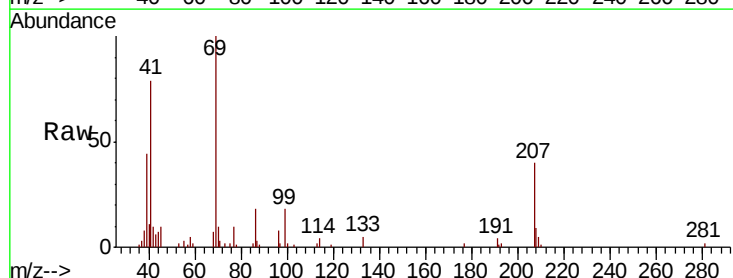
Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Tgt Ion: 69 Resp: 29686

Ion	Ratio	Lower	Upper
69	100		
41	76.9	56.8	85.2
39	45.7	32.5	48.7

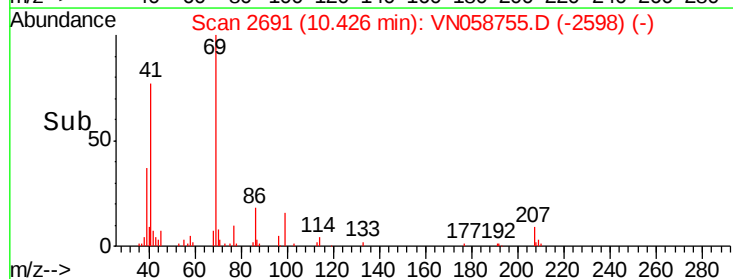
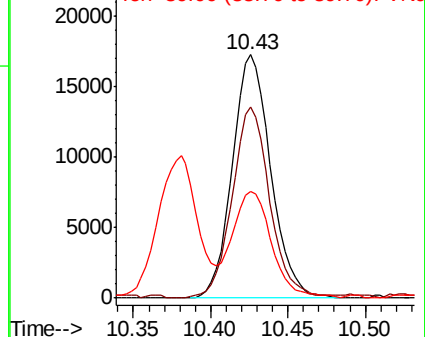


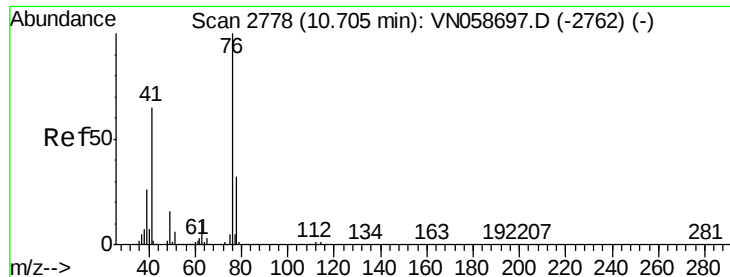
Abundance

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: 5.077 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

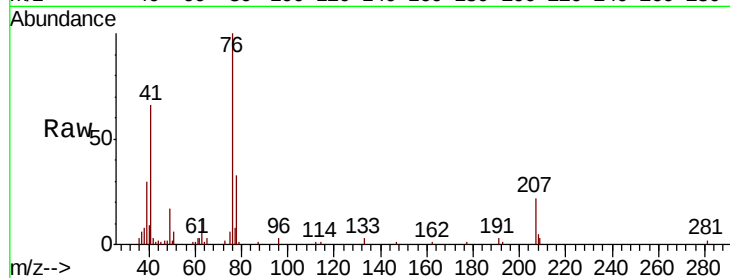
ClientSampleId :

Tot Ion: 76 Resp: 38668

Ion Ratio Lower Upper

76 100

78 35.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN058697.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN058697.D (-2762) (-)

10.71

25000

20000

15000

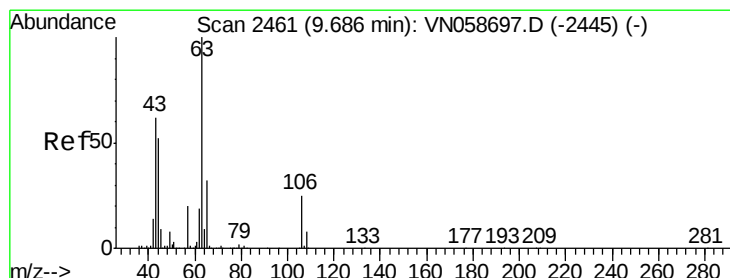
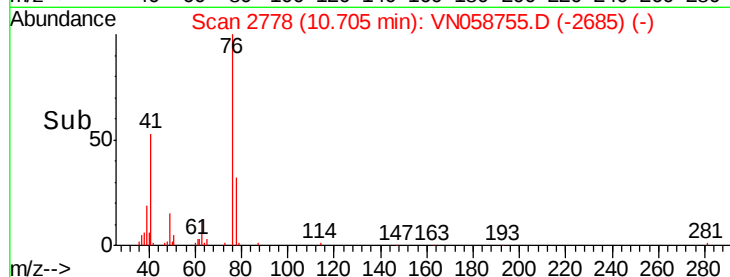
10000

5000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 21.993 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058755.D

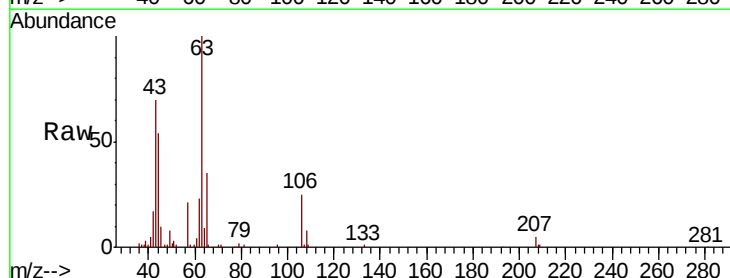
Acq: 14 Oct 2019 17:39

Tgt Ion: 63 Resp: 69211

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN058697.D (-2445) (-)

9.69

40000

30000

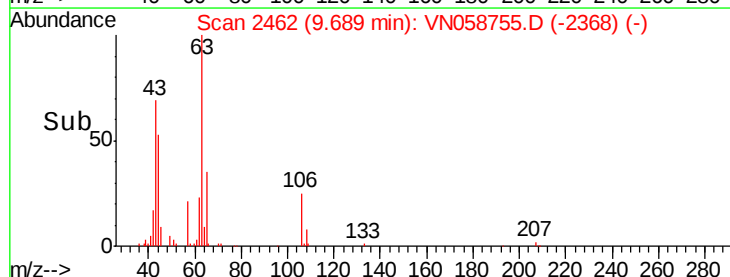
20000

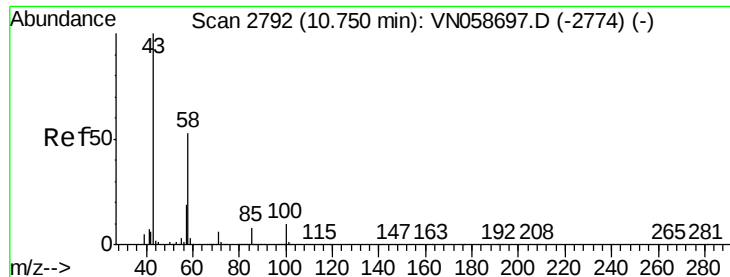
10000

0

Time-->

9.60 9.65 9.70 9.75

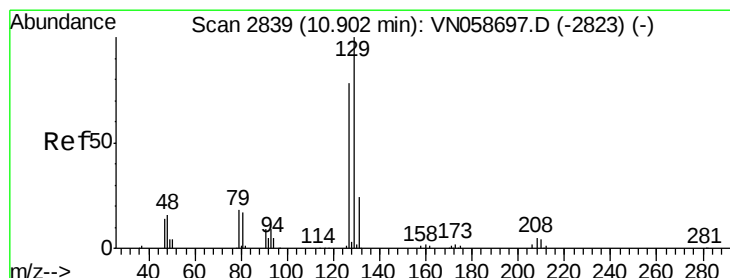
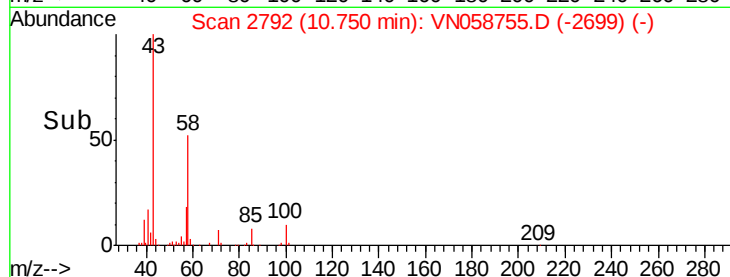
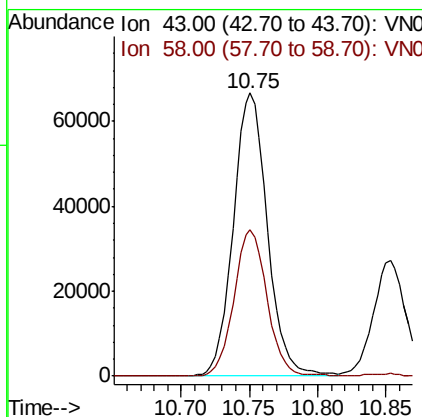
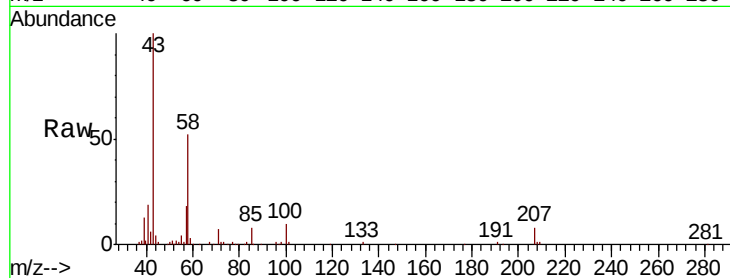




#59
2-Hexanone
Concen: 24.585 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

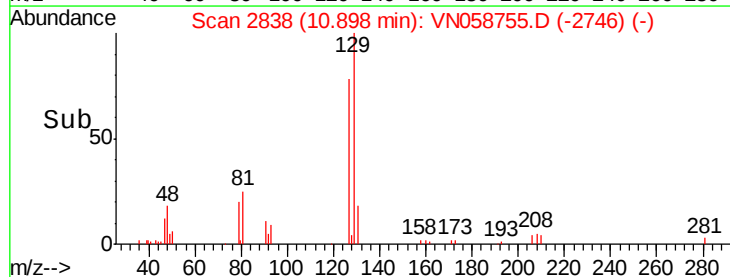
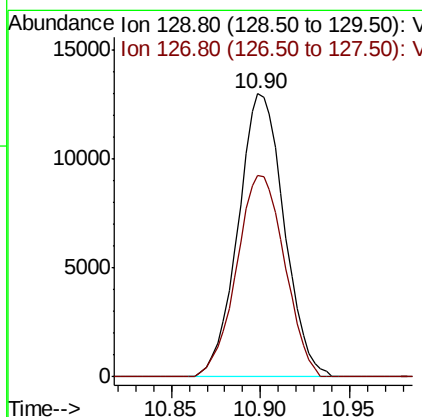
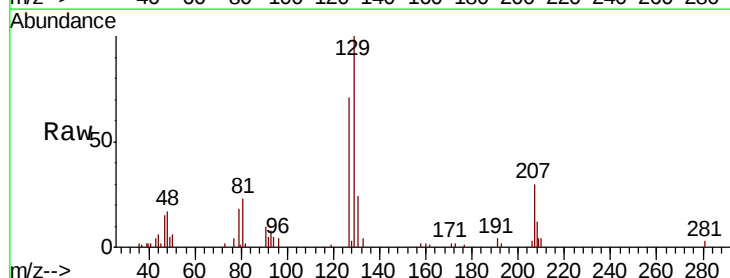
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 114294
Ion Ratio Lower Upper
43 100
58 50.5 26.1 78.3



#60
Dibromochloromethane
Concen: 5.058 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion: 129 Resp: 23324
Ion Ratio Lower Upper
129 100
127 74.2 38.5 115.3

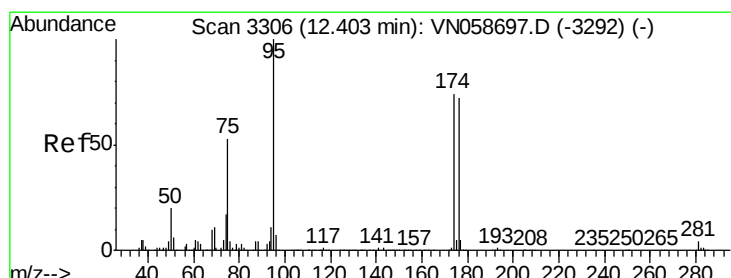
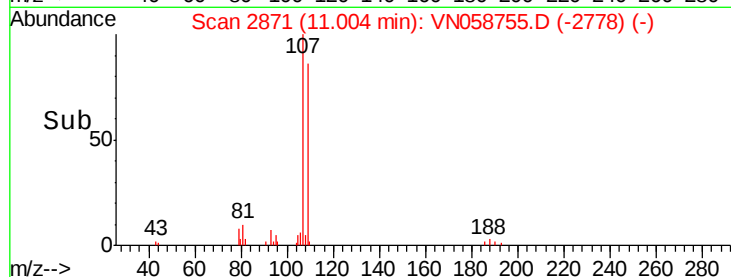
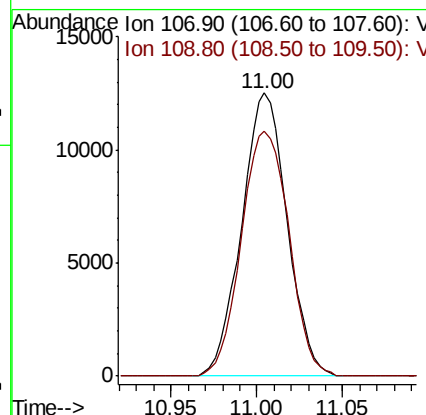
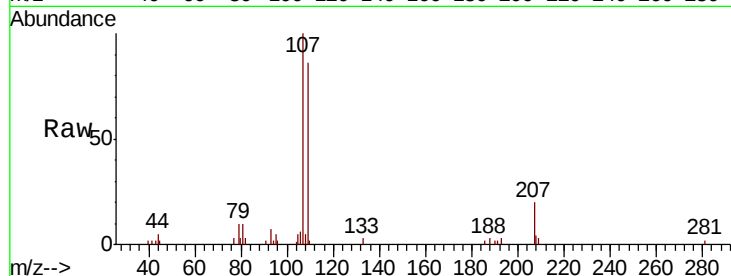




#61
 1,2-Dibromoethane
 Concen: 5.113 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

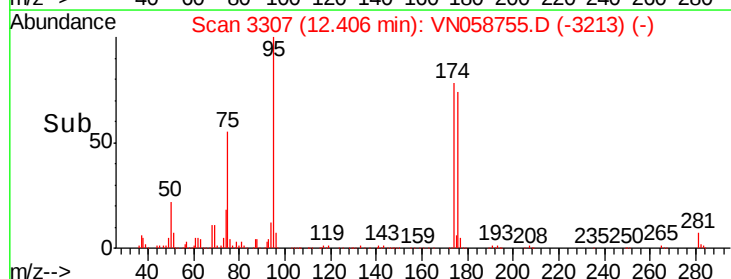
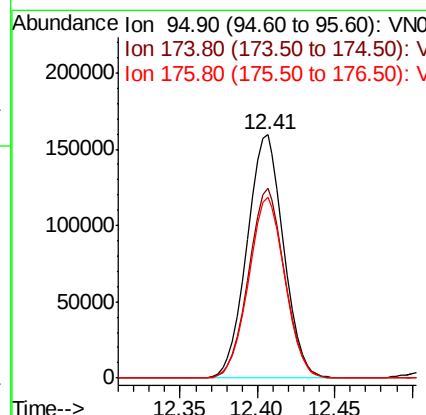
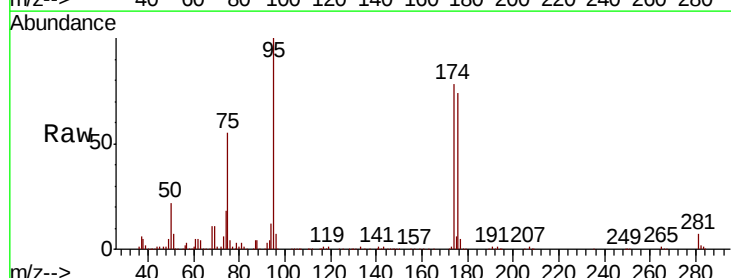
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 107 Resp: 22897
 Ion Ratio Lower Upper
 107 100
 109 90.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 45.669 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion: 95 Resp: 262561
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 150.4
 176 73.9 0.0 146.8

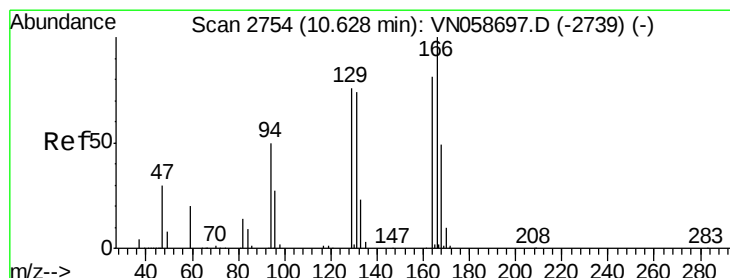
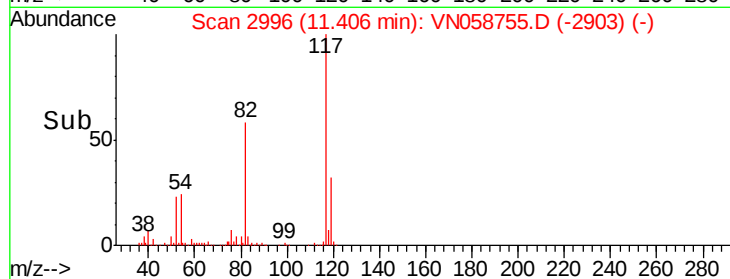
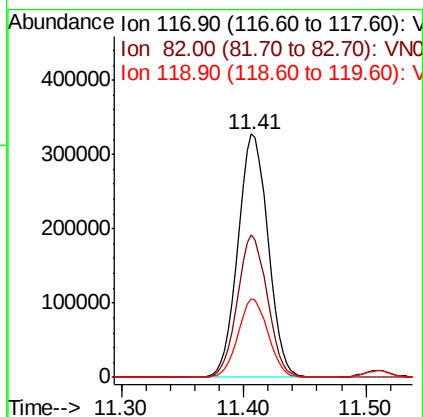
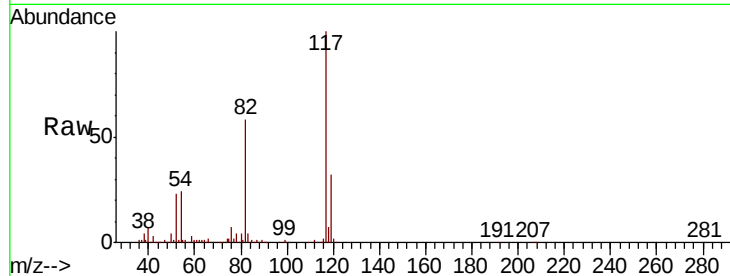




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

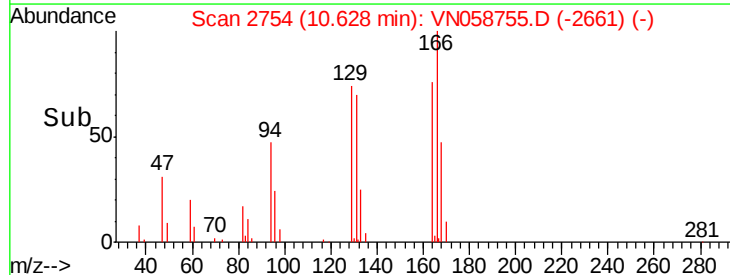
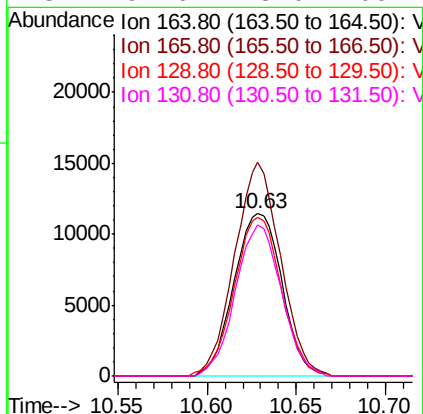
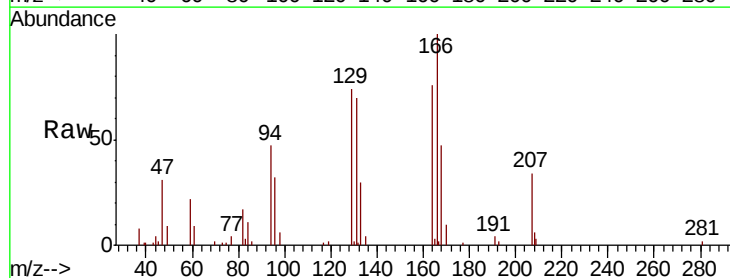
Instrument :
MSVOA_N
ClientSampled :

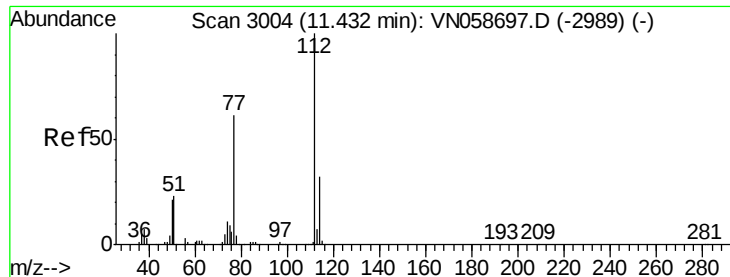
Tot Ion:117 Resp: 558552
Ion Ratio Lower Upper
117 100
82 58.3 47.0 70.4
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 5.506 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion:164 Resp: 21524
Ion Ratio Lower Upper
164 100
166 131.5 99.3 148.9
129 97.7 75.2 112.8
131 92.6 73.0 109.4





#65

Chlorobenzene

Concen: 5.101 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

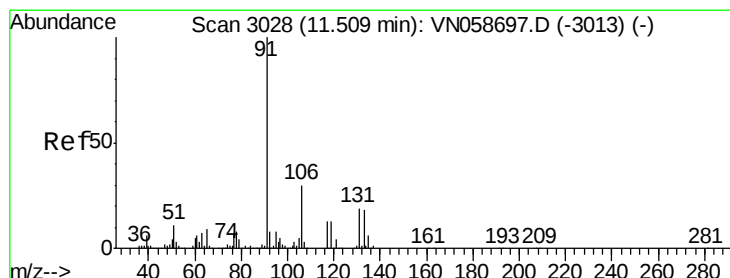
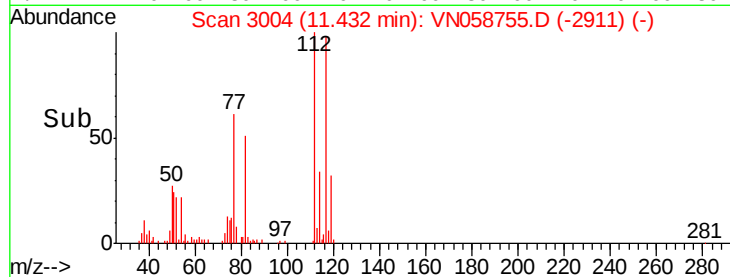
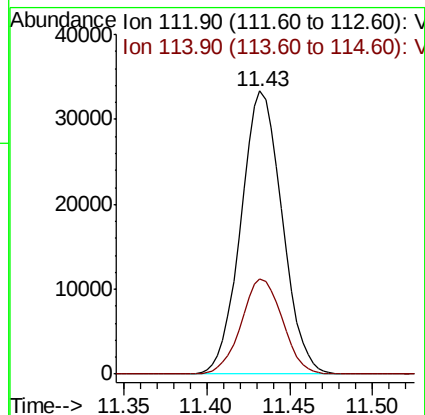
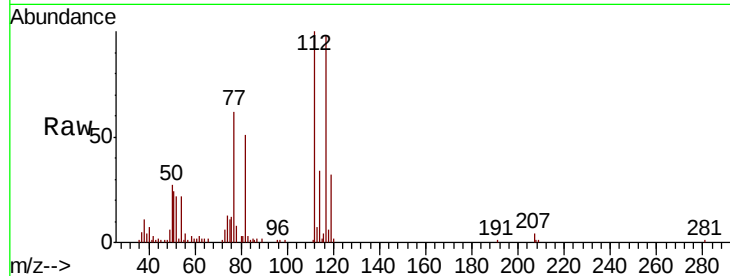
ClientSampleId :

Tot Ion:112 Resp: 57862

Ion Ratio Lower Upper

112 100

114 33.8 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 5.264 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

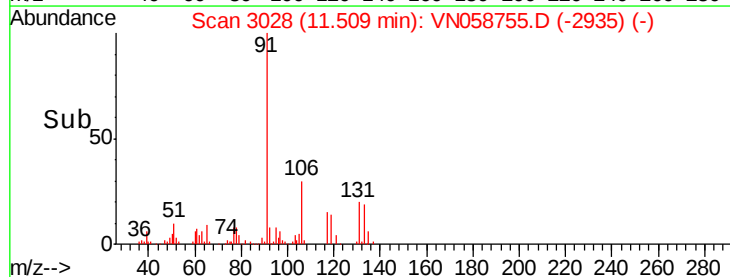
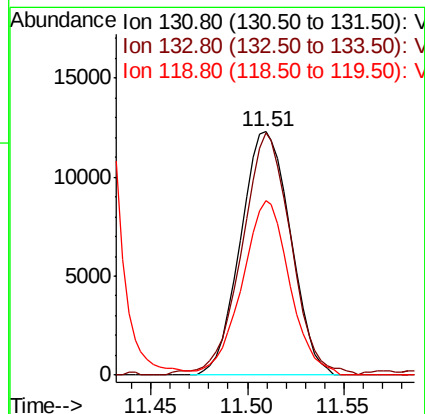
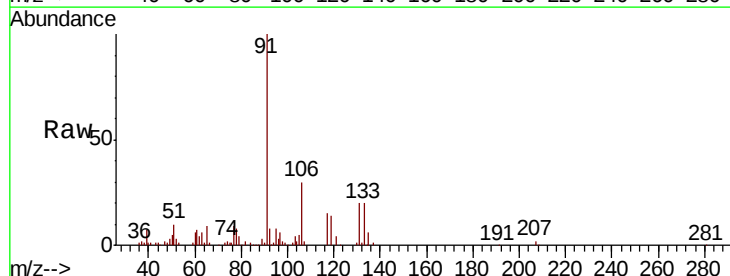
Tgt Ion:131 Resp: 22078

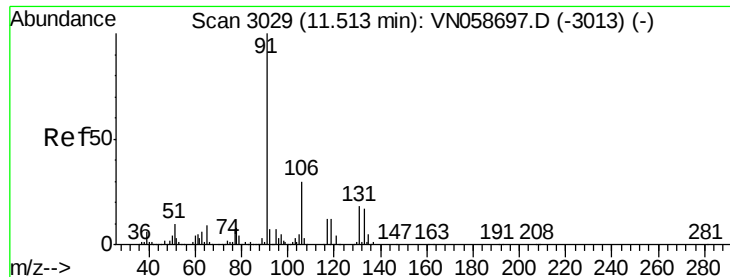
Ion Ratio Lower Upper

131 100

133 97.9 47.6 142.9

119 68.5 33.0 98.9





#67

Ethyl Benzene

Concen: 5.162 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

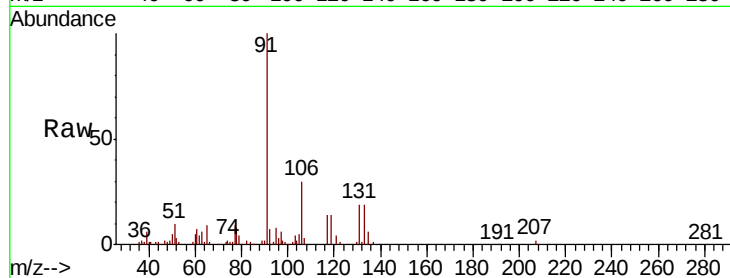
ClientSampleId :

Tot Ion: 91 Resp: 104372

Ion Ratio Lower Upper

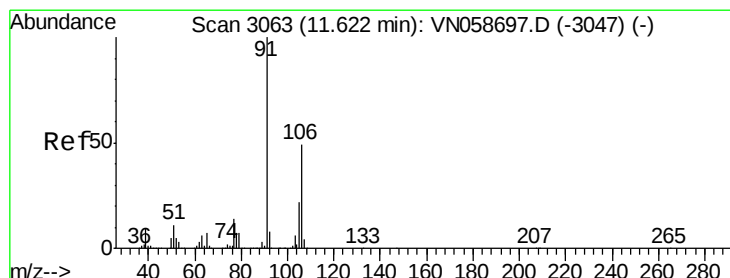
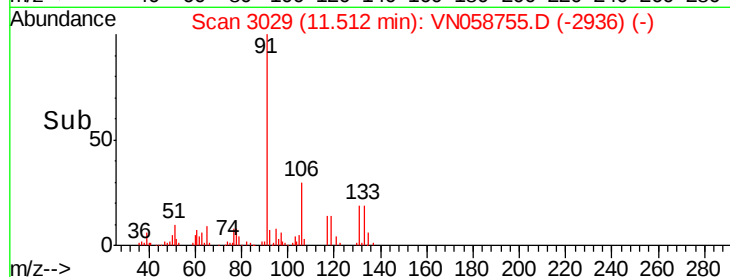
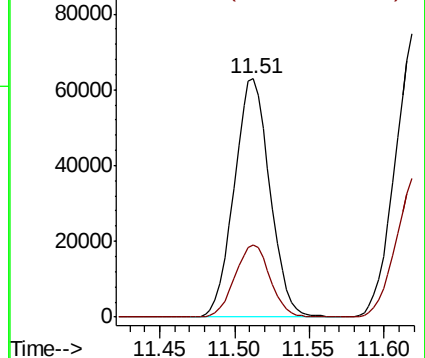
91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 9.674 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058755.D

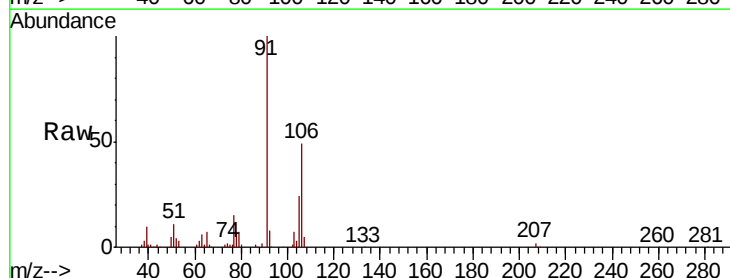
Acq: 14 Oct 2019 17:39

Tgt Ion: 106 Resp: 73405

Ion Ratio Lower Upper

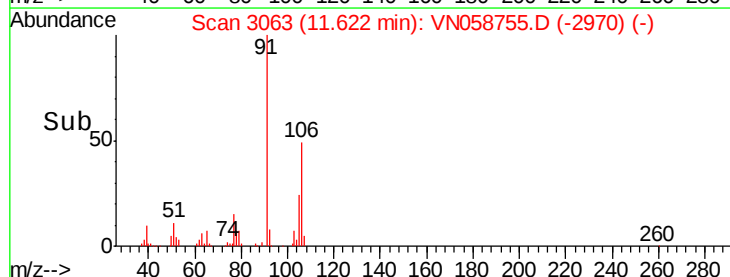
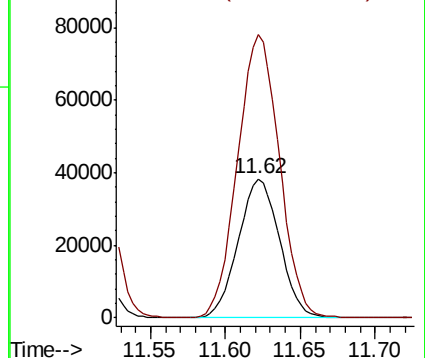
106 100

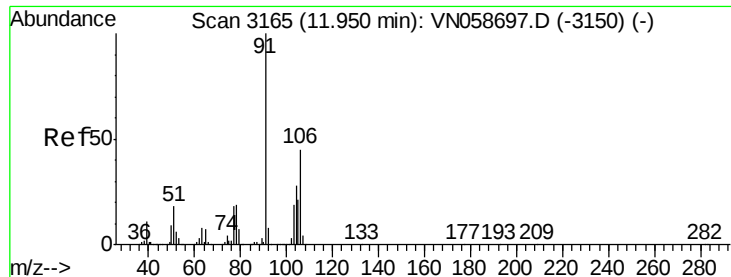
91 207.3 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

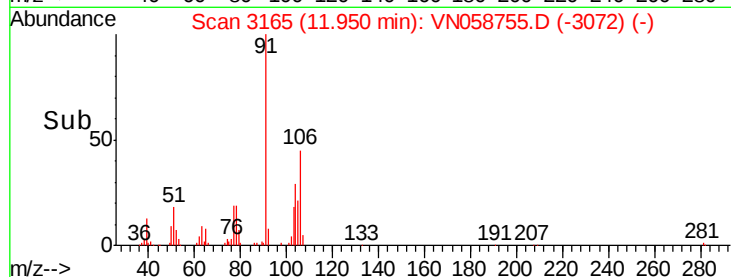
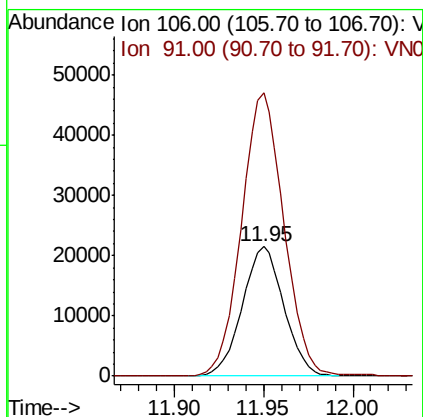
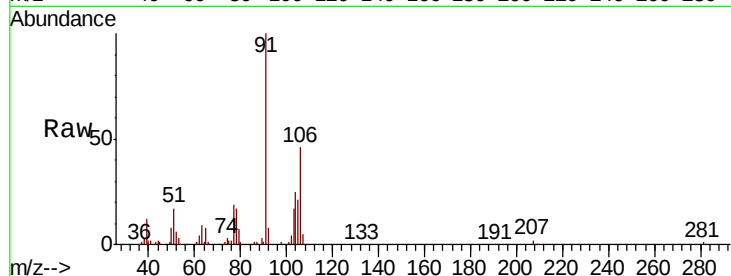




#69
o-Xylene
Concen: 4.775 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

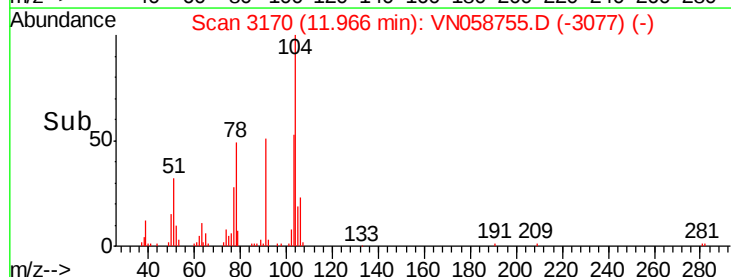
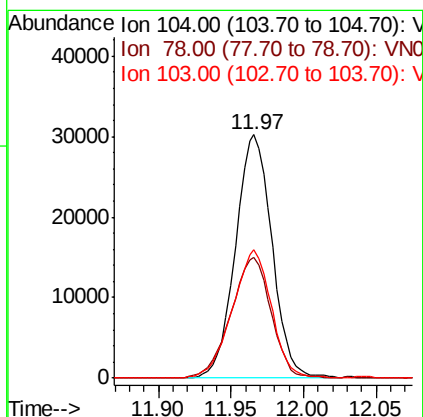
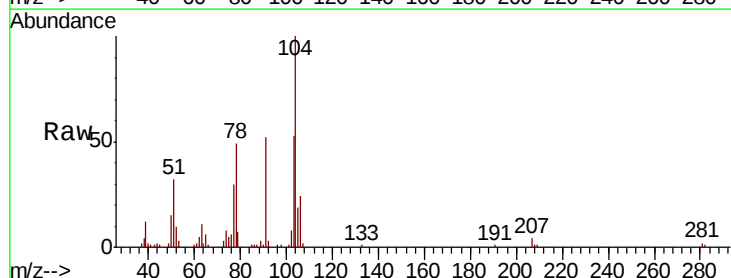
Instrument :
MSVOA_N
ClientSampled :

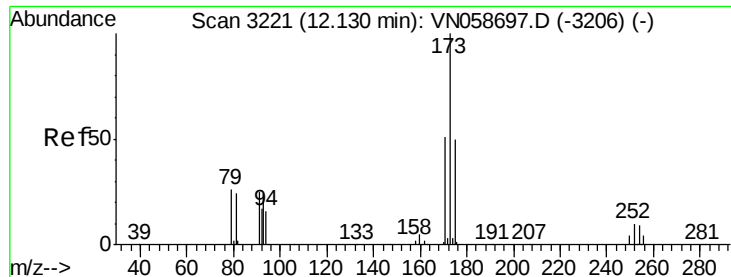
Tot Ion:106 Resp: 35057
Ion Ratio Lower Upper
106 100
91 222.1 110.9 332.9



#70
Styrene
Concen: 4.410 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058755.D
Acq: 14 Oct 2019 17:39

Tgt Ion:104 Resp: 53061
Ion Ratio Lower Upper
104 100
78 54.4 42.2 63.2
103 56.3 43.7 65.5





#71

Bromoform

Concen: 5.093 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

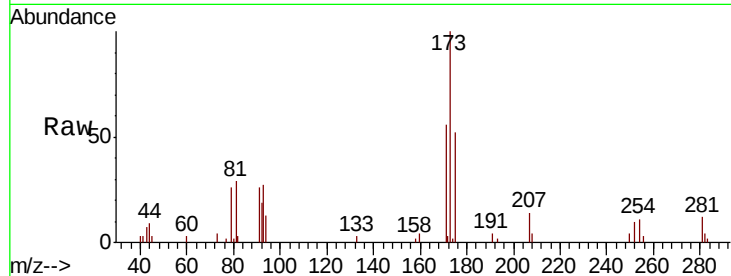
Tot Ion:173 Resp: 15657

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

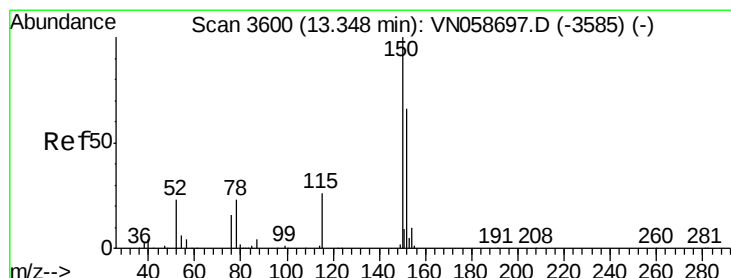
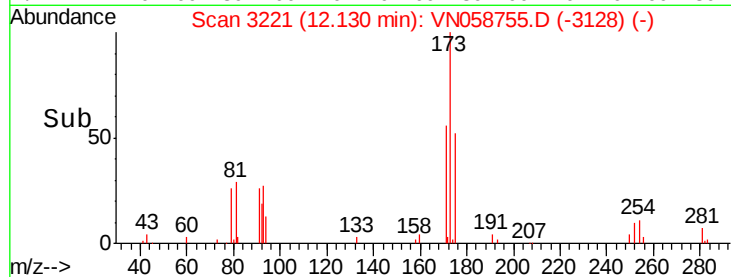
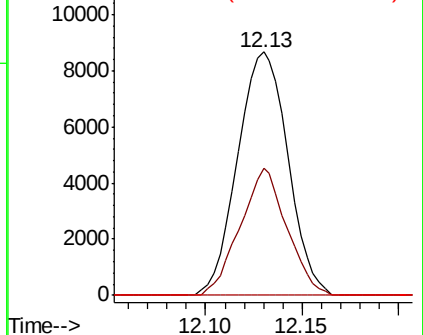
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

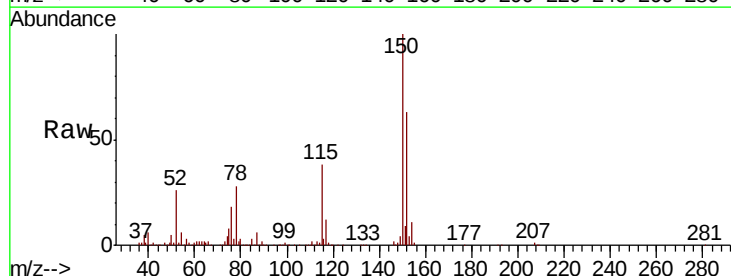
Tgt Ion:152 Resp: 246494

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.2

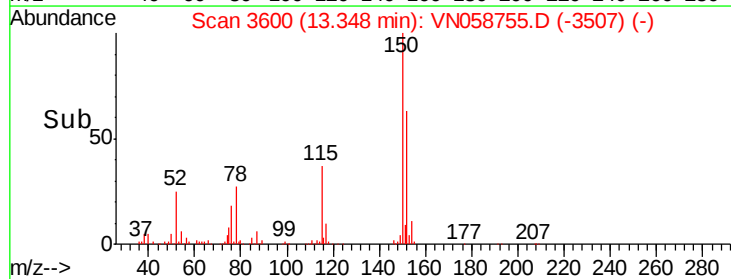
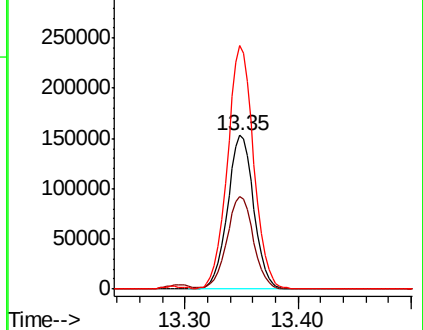
150 158.6 0.0 345.4

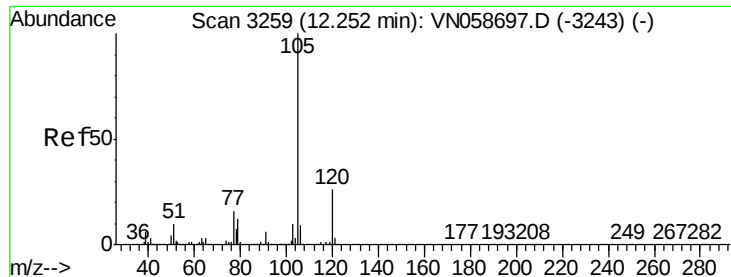


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.188 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

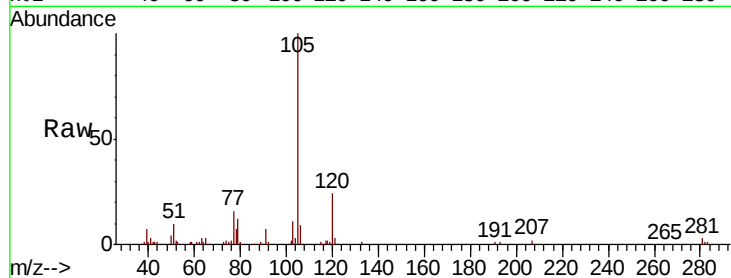
ClientSampleId :

Tot Ion: 105 Resp: 92617

Ion Ratio Lower Upper

105 100

120 25.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

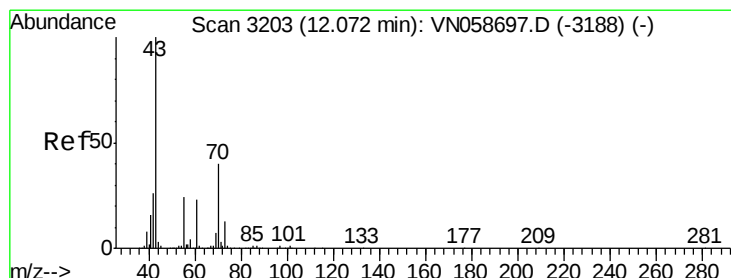
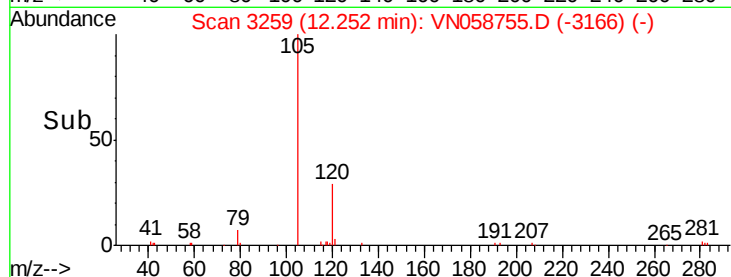
40000

20000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 4.771 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Tgt Ion: 43 Resp: 38254

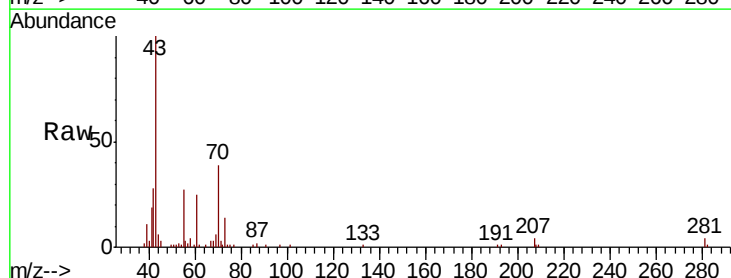
Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.4

55 28.3 19.6 29.4

61 25.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

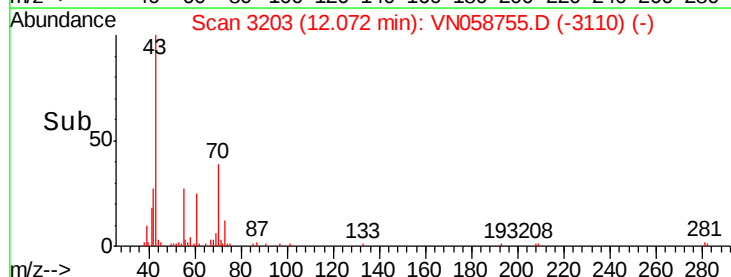
20000

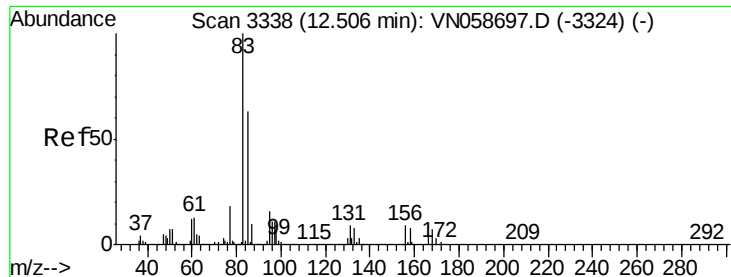
10000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.782 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

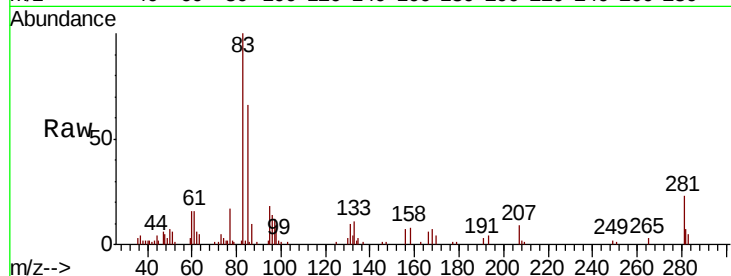
Tot Ion: 83 Resp: 34004

Ion Ratio Lower Upper

83 100

131 10.7 4.8 14.4

85 64.5 31.9 95.5



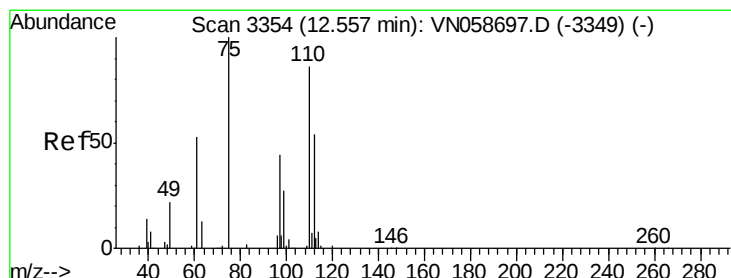
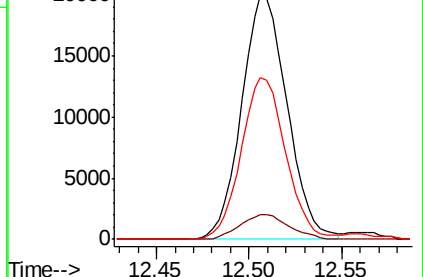
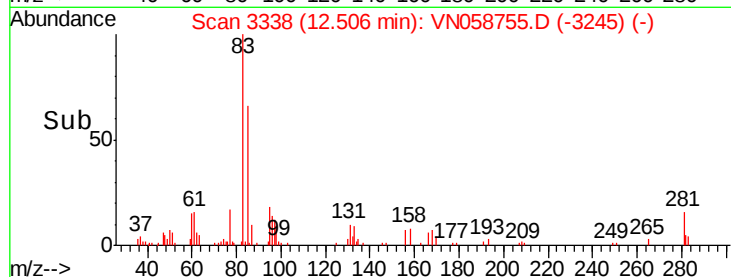
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 7.924 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058755.D

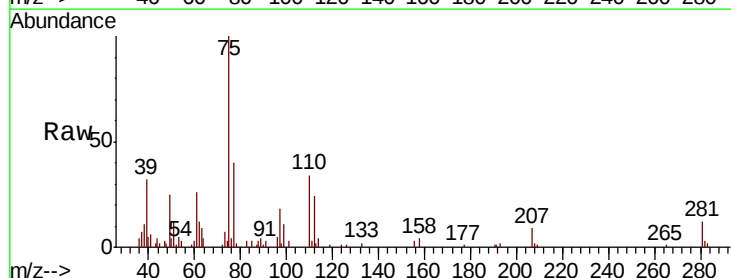
Acq: 14 Oct 2019 17:39

Tgt Ion: 75 Resp: 42849

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

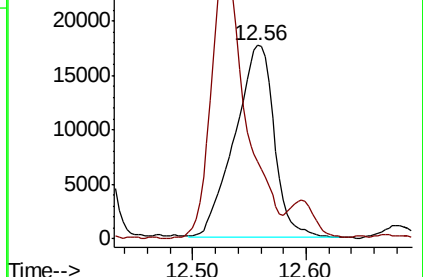
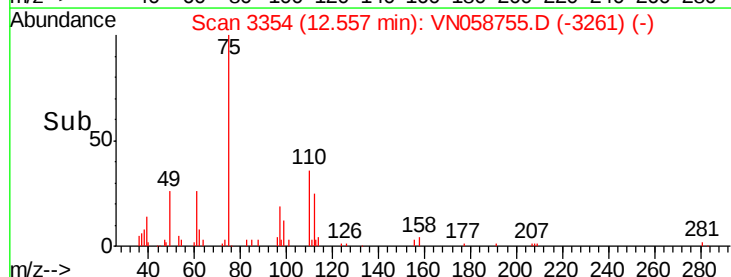


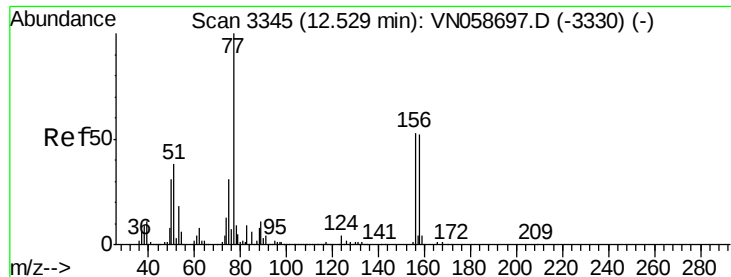
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.56

Time-->





#77

Bromobenzene

Concen: 5.293 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

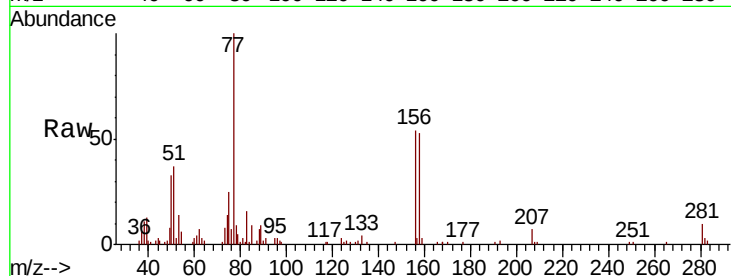
Tot Ion:156 Resp: 22984

Ion Ratio Lower Upper

156 100

77 237.2 115.8 347.3

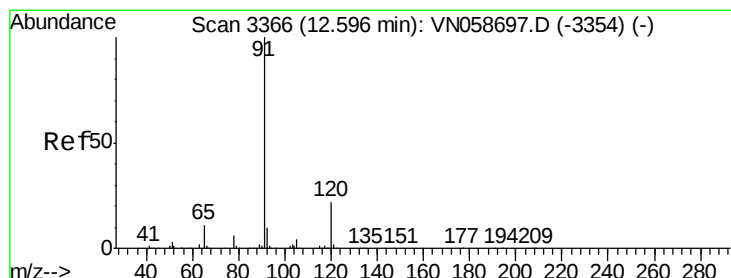
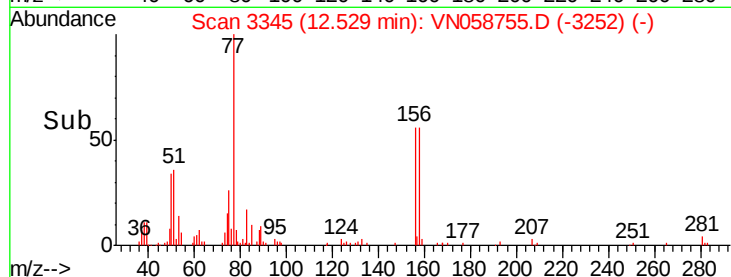
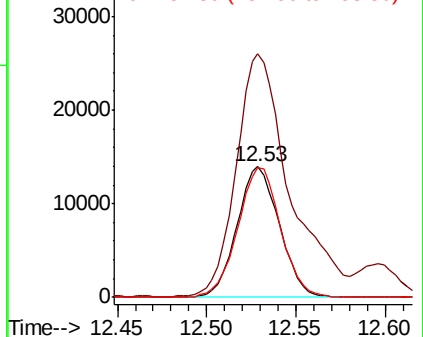
158 100.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.297 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058755.D

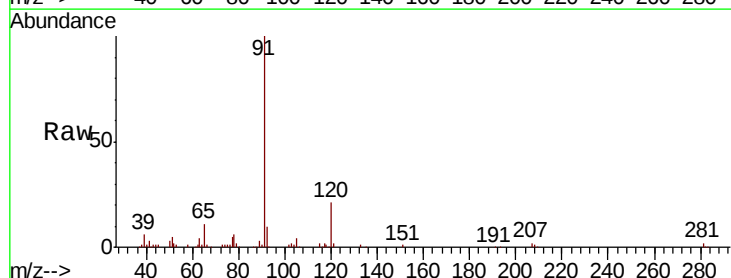
Acq: 14 Oct 2019 17:39

Tgt Ion: 91 Resp: 110192

Ion Ratio Lower Upper

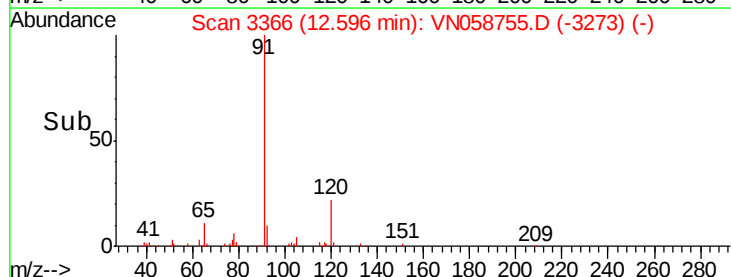
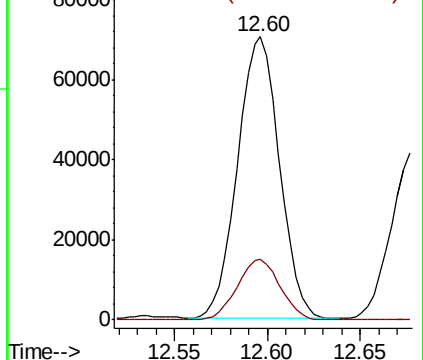
91 100

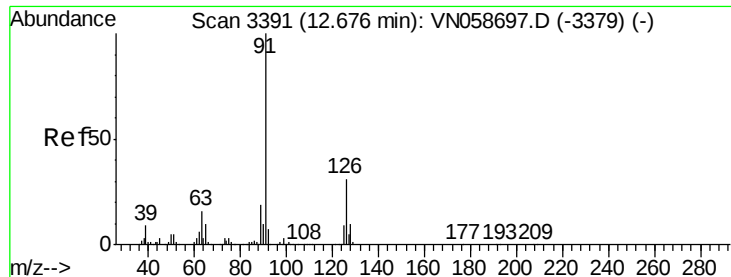
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

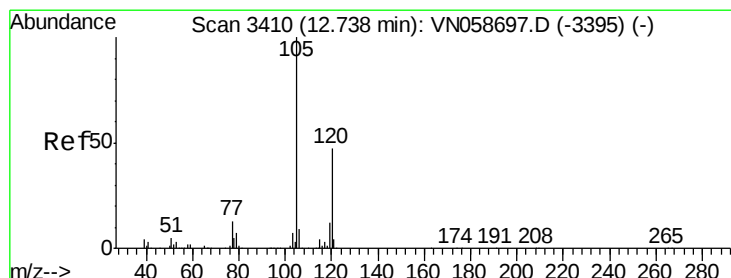
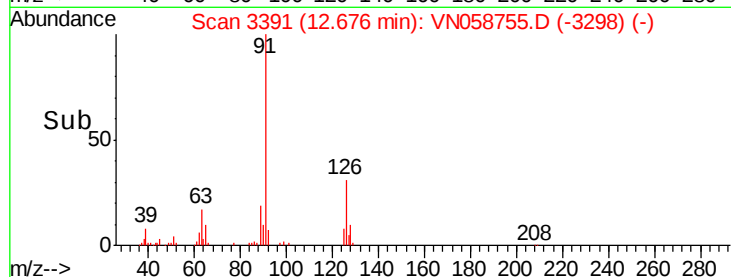
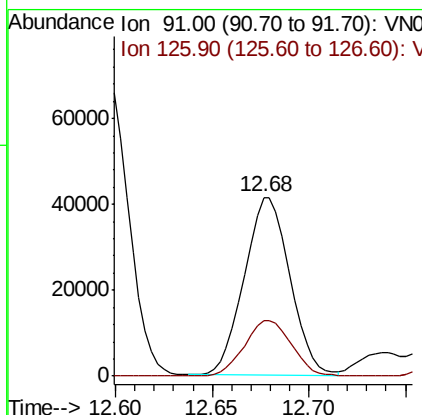
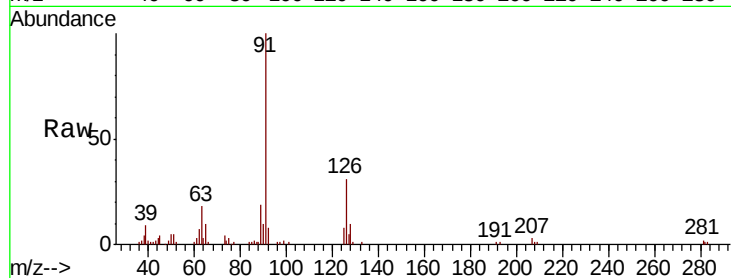




#79
 2-Chlorotoluene
 Concen: 5.275 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

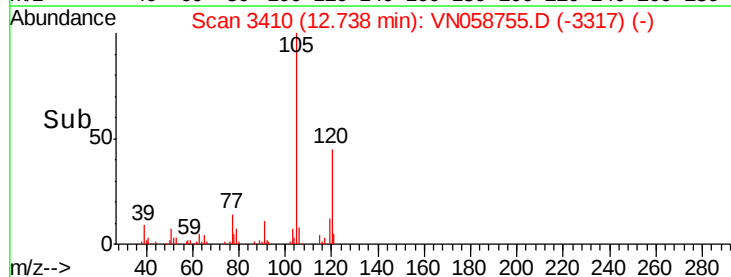
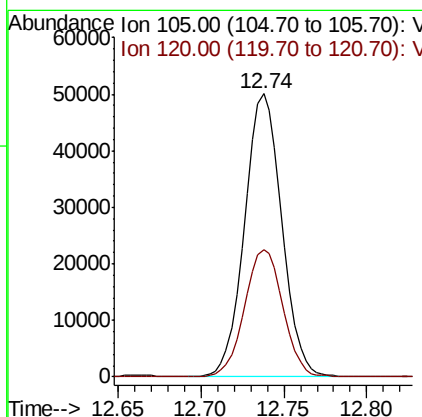
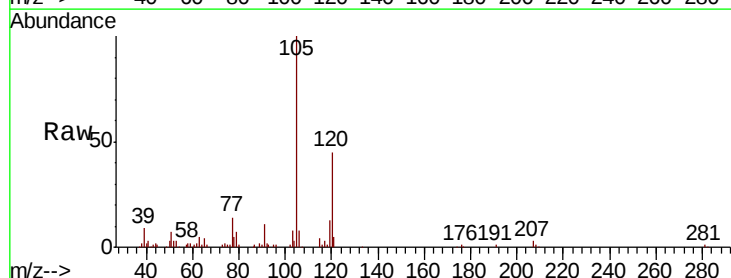
Instrument :
 MSVOA_N
 ClientSampleId :

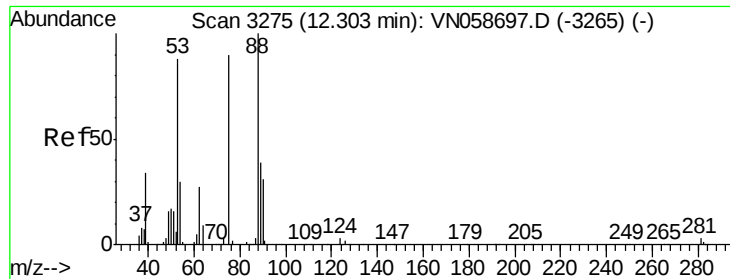
Tot Ion: 91 Resp: 68110
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 5.144 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion: 105 Resp: 78405
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.513 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

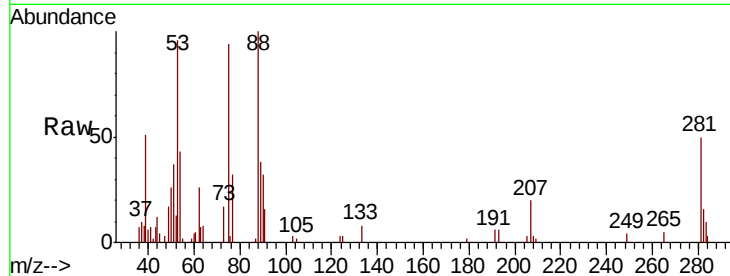
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 9110

Ion	Ratio	Lower	Upper
75	100		
53	112.4	78.4	117.6
89	46.3	34.9	52.3

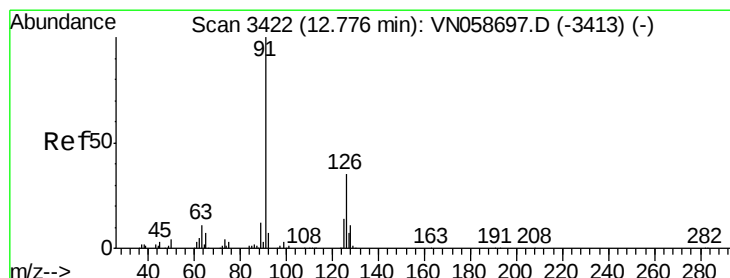
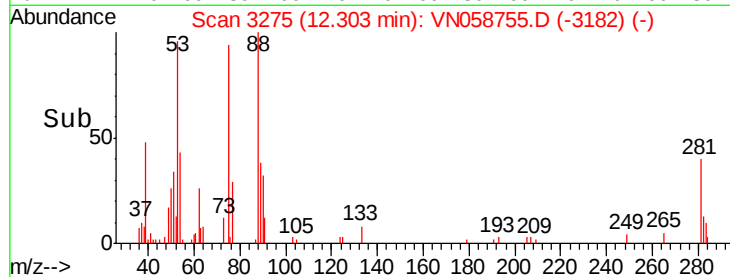
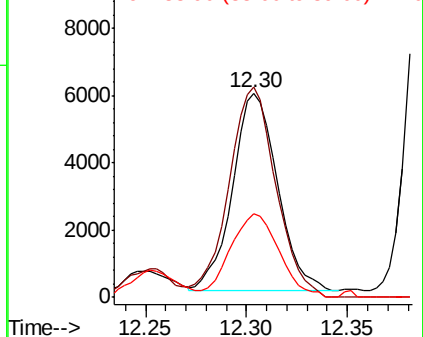


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.150 ug/l

RT: 12.78 min Scan# 3422

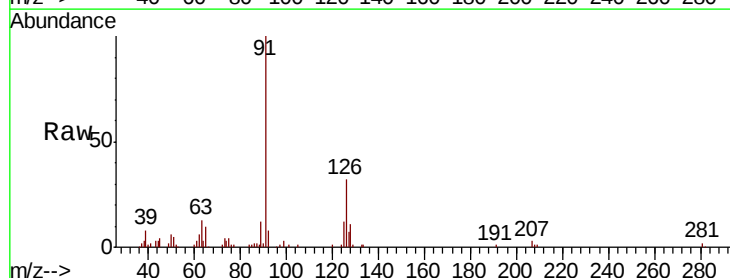
Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Tgt Ion: 91 Resp: 68230

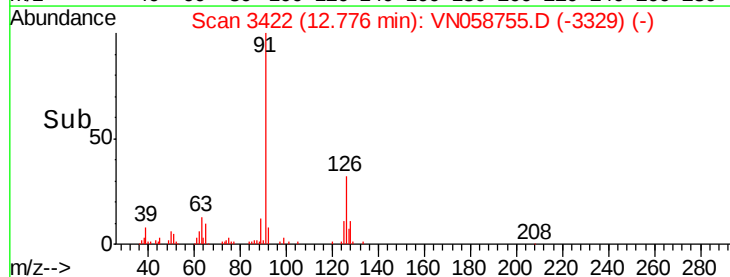
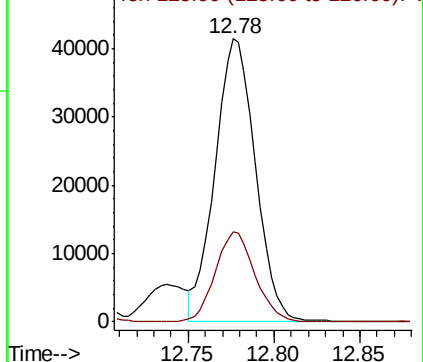
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.9	47.6



Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.038 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

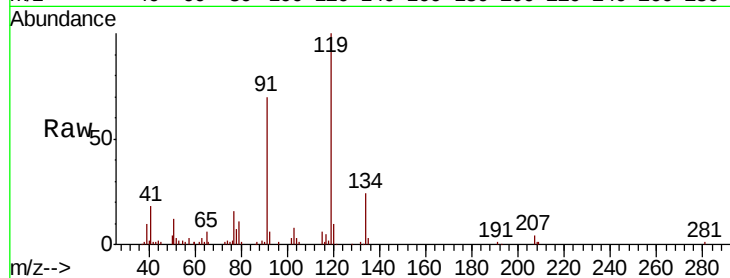
Tot Ion:119 Resp: 65783

Ion Ratio Lower Upper

119 100

91 69.9 33.8 101.3

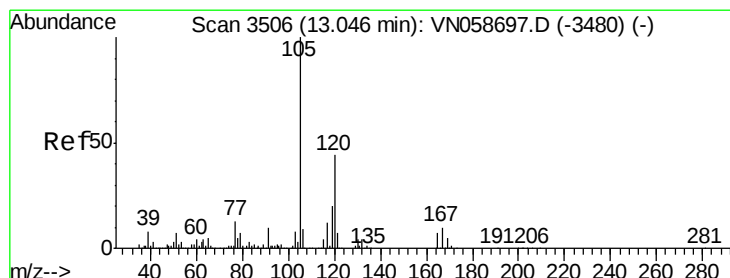
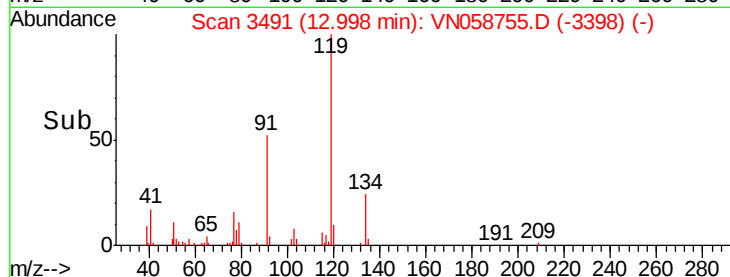
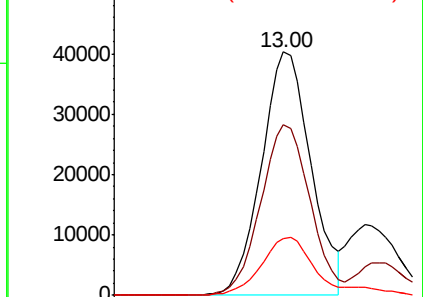
134 27.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.136 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058755.D

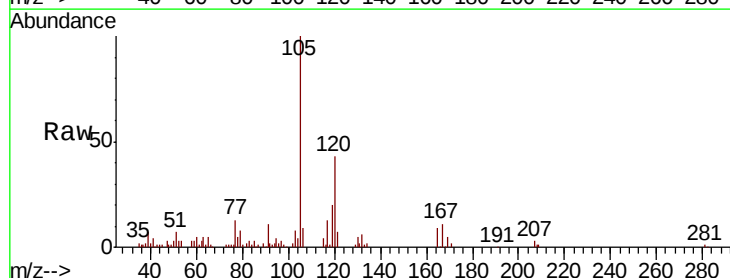
Acq: 14 Oct 2019 17:39

Tgt Ion:105 Resp: 77702

Ion Ratio Lower Upper

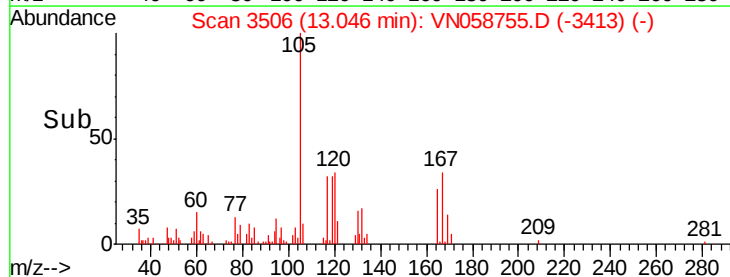
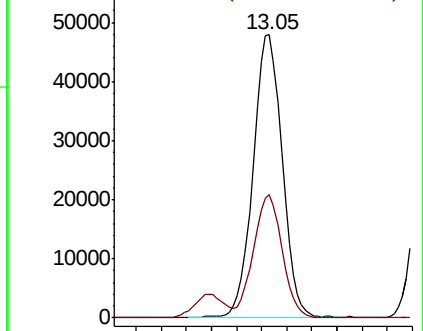
105 100

120 42.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

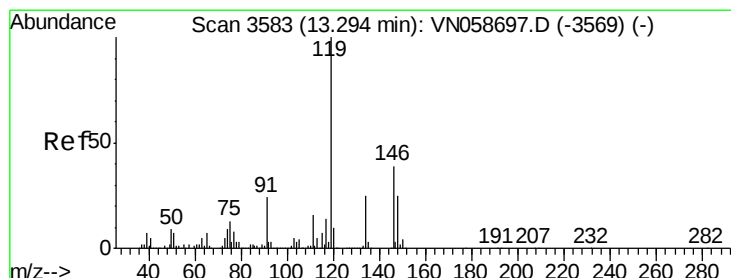
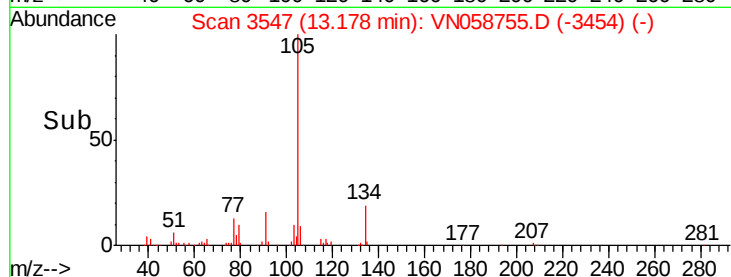
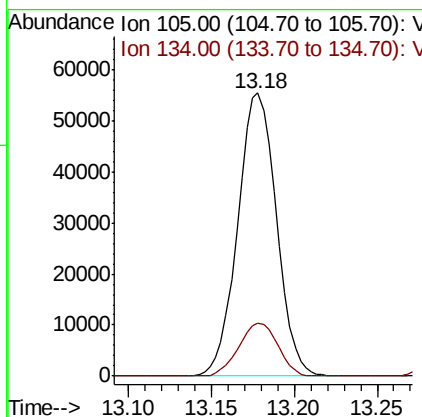
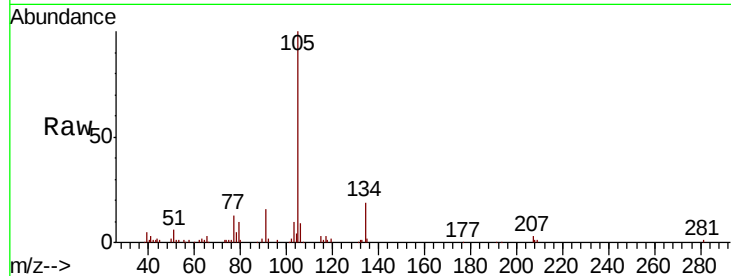




#85
 sec-Butylbenzene
 Concen: 5.223 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

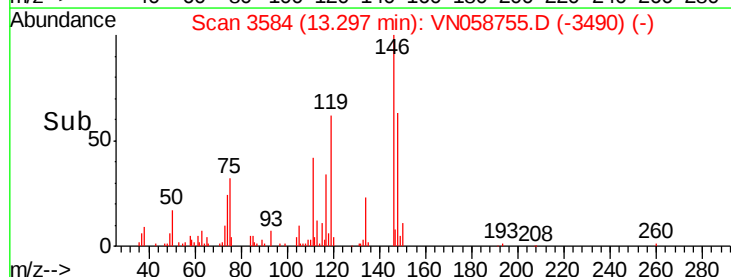
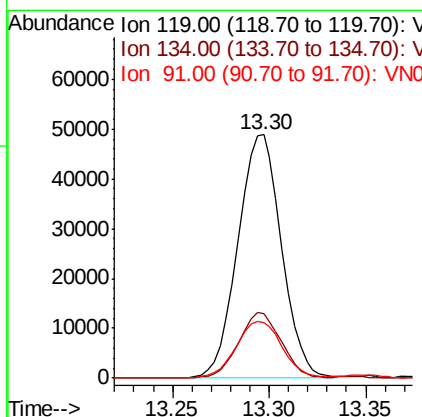
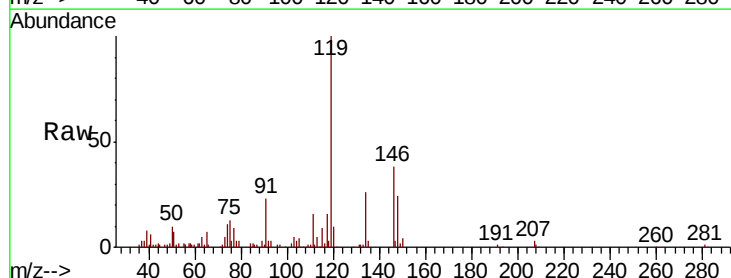
Instrument :
 MSVOA_N
 ClientSampled :

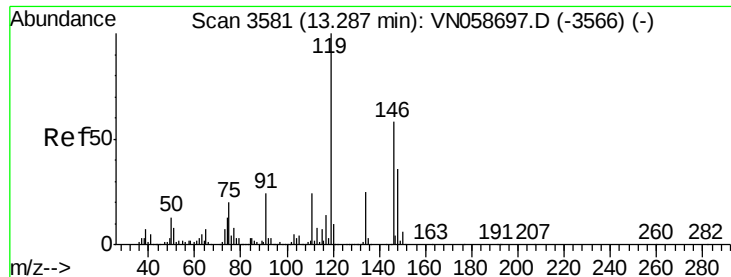
Tot Ion:105 Resp: 89853
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 4.896 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion:119 Resp: 76561
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.7 38.1
 91 24.8 11.9 35.5

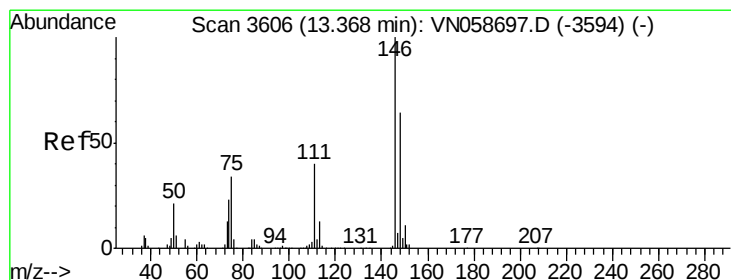
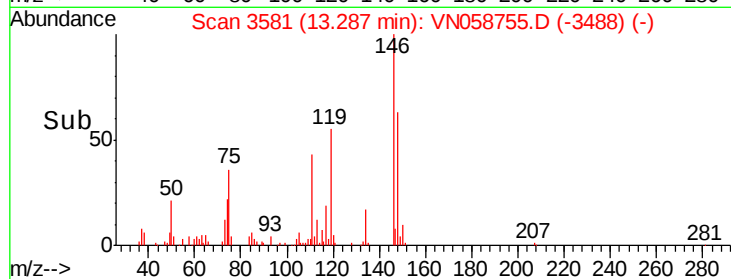
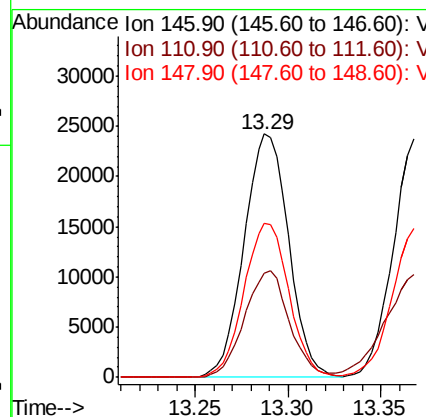
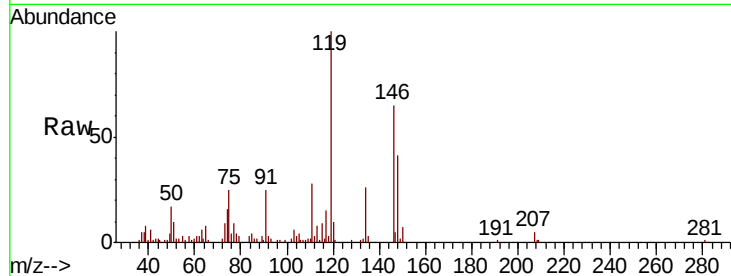




#87
 1,3-Dichlorobenzene
 Concen: 5.078 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

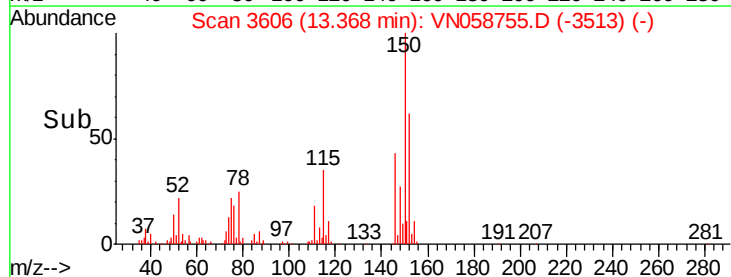
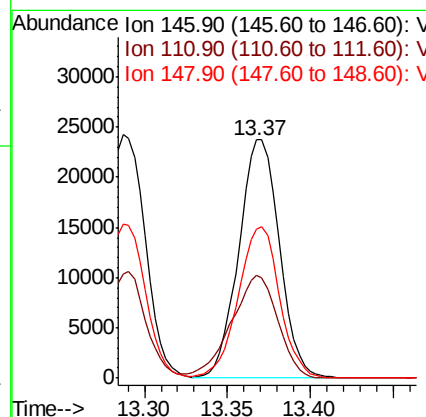
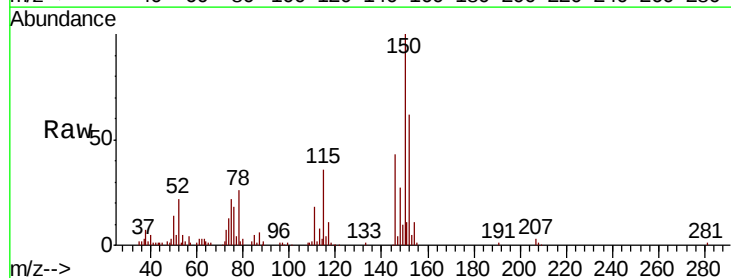
Instrument :
 MSVOA_N
 ClientSampleId :

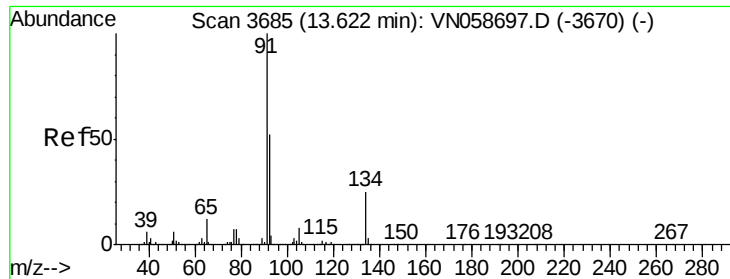
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.5	61.6
148	63.7	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 4.981 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.3	20.1	60.2
148	64.5	31.9	95.7





#89

n-Butylbenzene

Concen: 4.575 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampled :

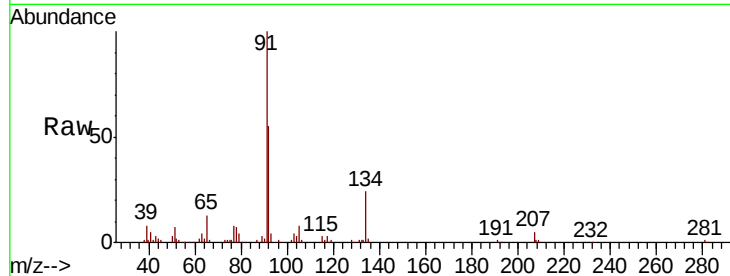
Tot Ion: 91 Resp: 66150

Ion Ratio Lower Upper

91 100

92 53.8 26.0 78.0

134 25.0 12.2 36.6

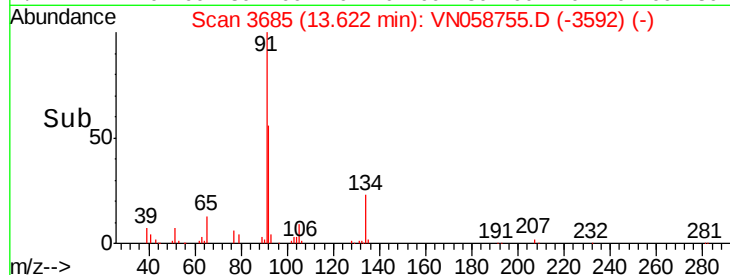


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time-->

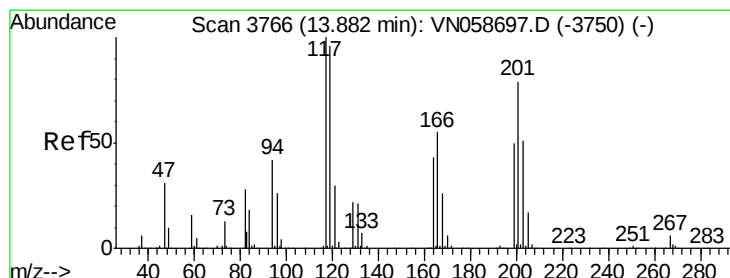


Abundance Ion 91.00 (90.70 to 91.70): VN058755.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058755.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058755.D (-3592) (-)

Time-->



#90

Hexachloroethane

Concen: 5.504 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058755.D

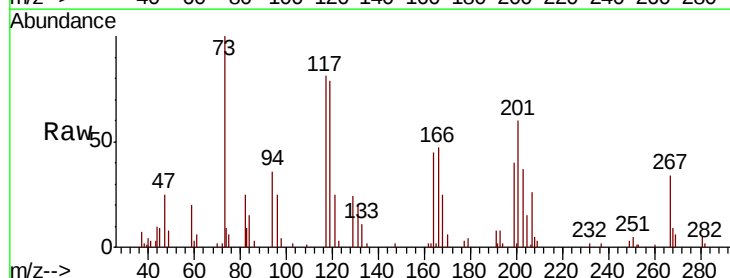
Acq: 14 Oct 2019 17:39

Tgt Ion: 117 Resp: 15399

Ion Ratio Lower Upper

117 100

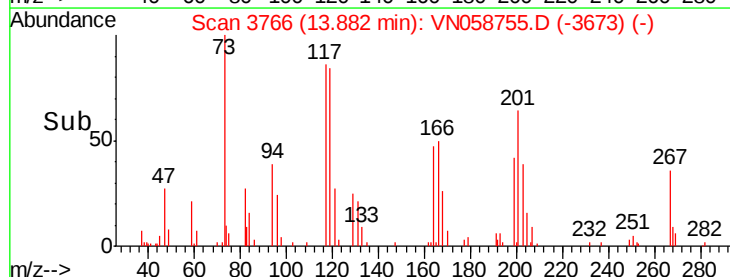
201 74.3 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

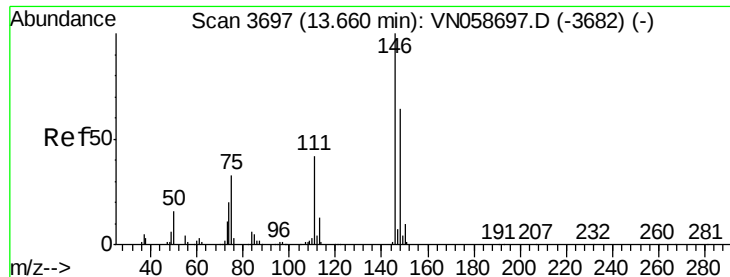
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058755.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058755.D (-3673) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 5.224 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

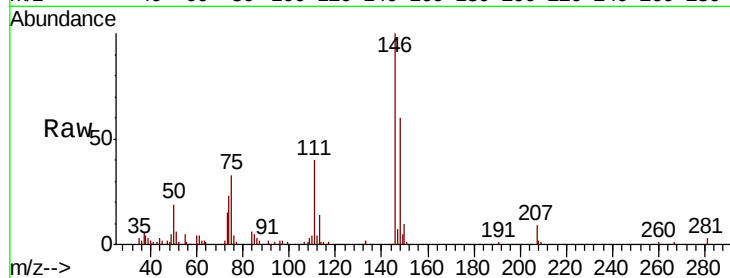
Tot Ion:146 Resp: 40769

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.4

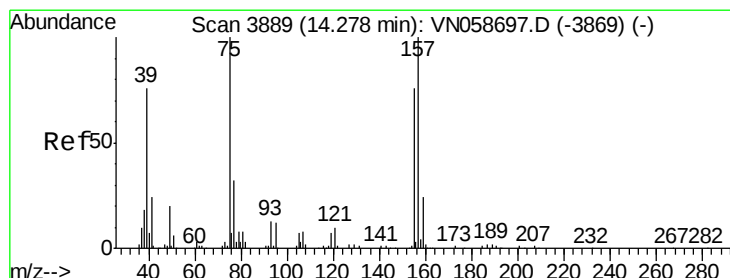
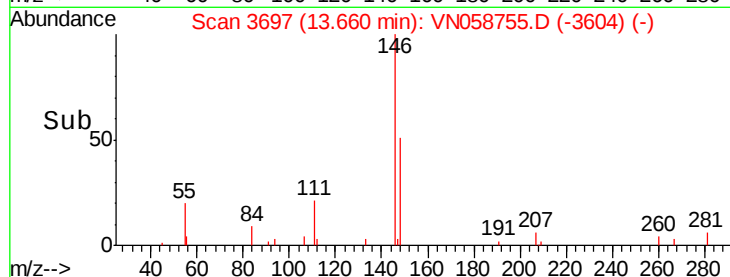
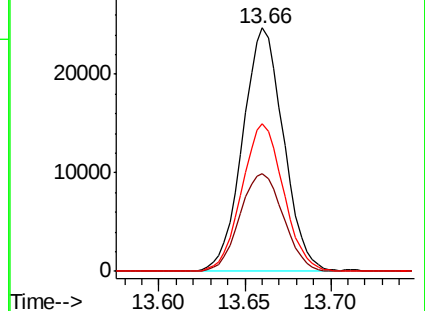
148 61.8 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.609 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

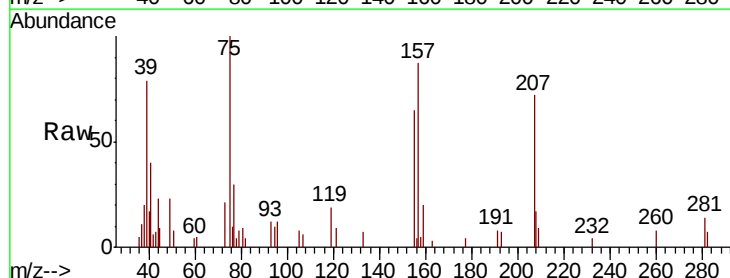
Tgt Ion: 75 Resp: 7706

Ion Ratio Lower Upper

75 100

155 65.1 37.9 113.6

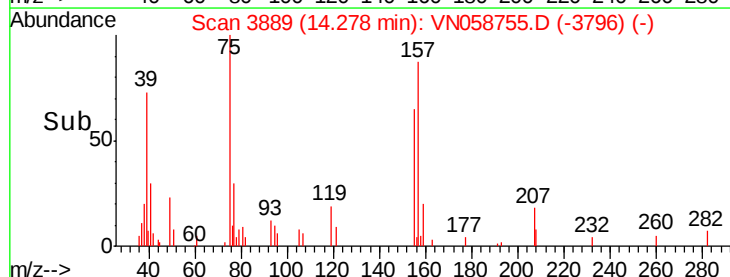
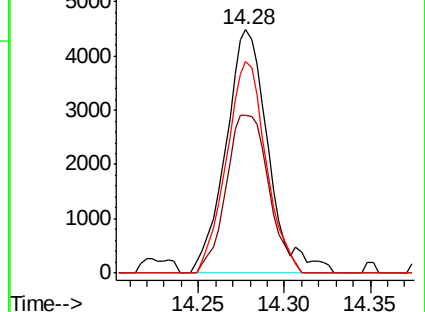
157 81.1 49.4 148.2

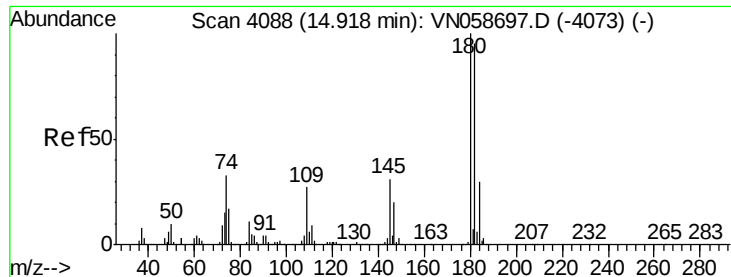


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

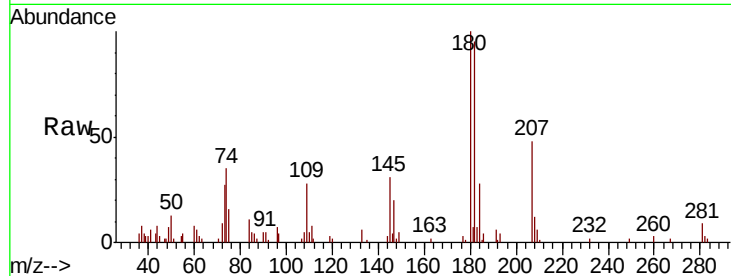




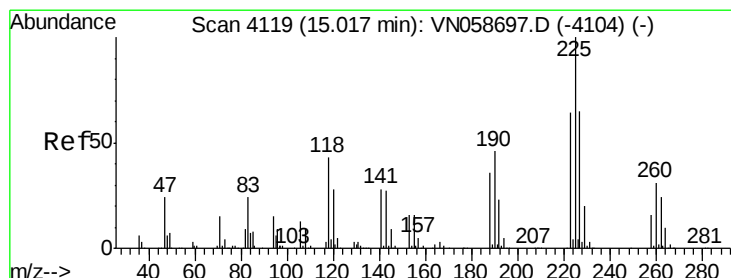
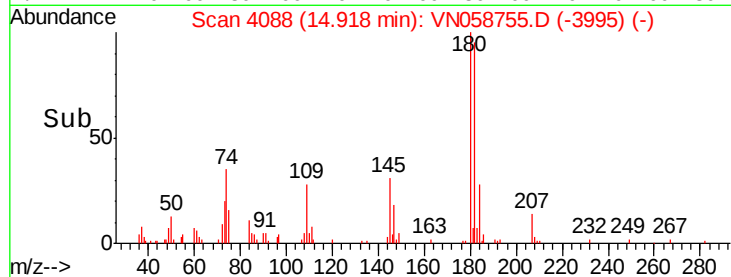
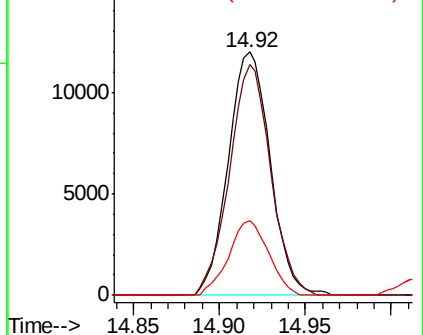
#93
 1,2,4-Trichlorobenzene
 Concen: 4.295 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 20446
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.4 142.2
 145 29.1 15.4 46.2

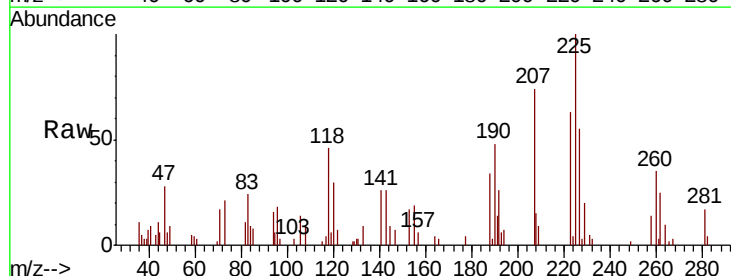


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

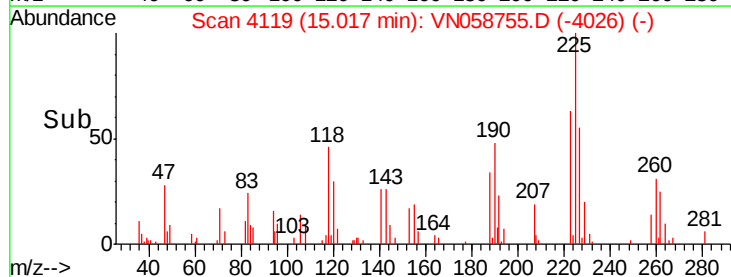
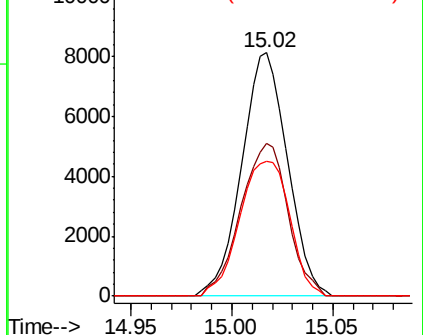


#94
 Hexachlorobutadiene
 Concen: 5.161 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058755.D
 Acq: 14 Oct 2019 17:39

Tgt Ion:225 Resp: 12939
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.3 96.8
 227 60.6 32.4 97.0



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: 3.905 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA_N

ClientSampleId :

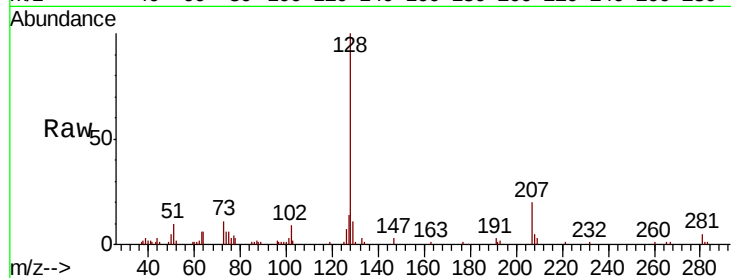
Tot Ion:128 Resp: 53438

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

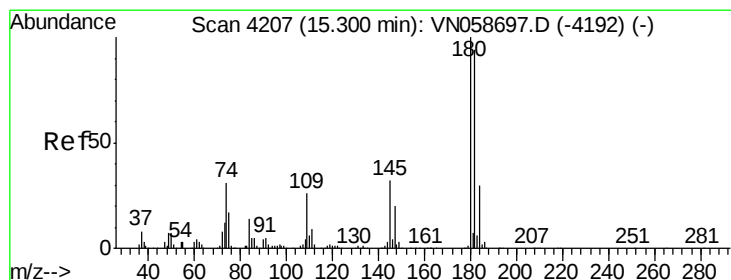
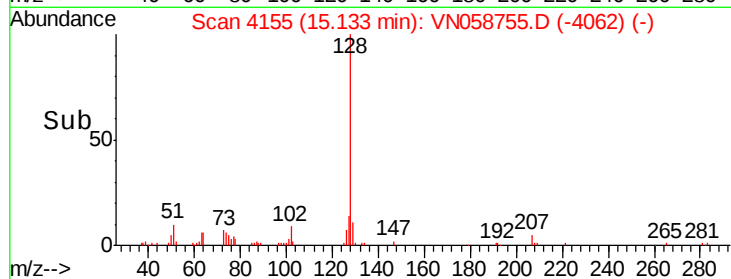
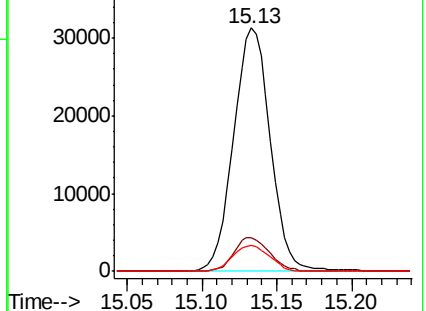
129 10.7 8.5 12.7



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: 4.328 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

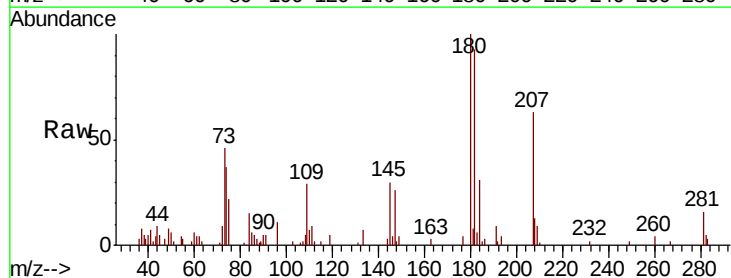
Tgt Ion:180 Resp: 20119

Ion Ratio Lower Upper

180 100

182 92.1 47.3 142.0

145 32.3 16.2 48.6



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

