

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058687.D
 Acq On : 11 Oct 2019 8:43
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 17:28:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	60493	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	328894	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	307446	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	154595	30.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.37%
60) 4-Bromofluorobenzene	12.40	95	158925	29.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.50%
63) Toluene-d8	10.08	98	429788	29.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	71525	21.822 ug/l	98
3) Chloromethane	2.04	50	90784	20.736 ug/l	100
4) Vinyl Chloride	2.17	62	90010	19.892 ug/l	96
5) Bromomethane	2.55	94	56169	20.105 ug/l	98
6) Chloroethane	2.69	64	58423	20.541 ug/l	97
7) Trichlorofluoromethane	3.00	101	118709	21.314 ug/l	98
8) Diethyl Ether	3.39	74	42677	20.091 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66517	20.641 ug/l	98
10) 1,1-Dichloroethene	3.72	96	61698	19.493 ug/l	99
11) Methyl Iodide	3.93	142	85809	19.467 ug/l	99
12) Methyl Acetate	4.30	43	101340	20.012 ug/l	99
13) Acrolein	3.58	56	46315	82.776 ug/l	94
14) Acrylonitrile	4.96	53	197884	99.174 ug/l	100
15) Acetone	3.79	58	60224	101.680 ug/l	88
16) Carbon Disulfide	4.03	76	182861	19.808 ug/l	96
17) Allyl chloride	4.30	41	111172	17.647 ug/l	99
18) Methylene Chloride	4.53	84	77297	20.168 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	69428	20.149 ug/l	93
20) Diisopropyl ether	5.93	45	258421	20.134 ug/l	97
21) 1,1-Dichloroethane	5.82	63	145509	20.473 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	80411	19.573 ug/l	94
23) tert-Butyl Alcohol	4.75	59	77401	94.838 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	236182	20.002 ug/l	100
25) Chloroform	7.35	83	147125	20.755 ug/l	97
26) Cyclohexane	7.63	56	123799	19.845 ug/l	# 94
29) 1,1-Dichloropropene	7.77	75	107142	20.695 ug/l	100
30) 2-Butanone	6.81	43	305910	104.561 ug/l	100
31) 2,2-Dichloropropane	6.80	77	129911	21.289 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	124915	20.861 ug/l	99
33) Carbon Tetrachloride	7.76	117	106814	20.608 ug/l	96
34) Benzene	8.02	78	315872	20.724 ug/l	98
35) Methacrylonitrile	7.15	41	46657	18.053 ug/l	87
36) 1,2-Dichloroethane	8.10	62	122679	21.052 ug/l	100
37) Trichloroethene	8.82	130	76738	20.494 ug/l	98
38) Methylcyclohexane	9.07	83	118858	19.801 ug/l	99
39) 1,2-Dichloropropane	9.10	63	85861	20.613 ug/l	95
40) Dibromomethane	9.20	93	54525	20.736 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	110978	20.659	ug/l	98
42) Vinyl Acetate	5.87	43	1086437	106.032	ug/l	99
43) Ethyl Acetate	6.90	43	104897	18.267	ug/l	94
44) Isopropyl Acetate	8.15	43	187648	20.174	ug/l	100
45) 1,4-Dioxane	9.19	88	27649	387.113	ug/l	98
46) Methyl methacrylate	9.19	41	83753	19.614	ug/l	98
47) n-amyl Acetate	12.07	43	160015	19.406	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	124892	20.046	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	133045	20.336	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	78221	20.838	ug/l	97
51) Ethyl methacrylate	10.43	69	115653	19.268	ug/l	97
52) 1,3-Dichloropropane	10.70	76	137234	20.528	ug/l	98
53) Dibromochloromethane	10.90	129	81140	20.141	ug/l	99
54) 1,2-Dibromoethane	11.00	107	80169	20.604	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	336338	112.647	ug/l	99
56) Bromoform	12.13	173	55051	19.617	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	580838	103.561	ug/l	100
59) 2-Hexanone	10.75	43	472227	107.398	ug/l	99
61) Tetrachloroethene	10.63	164	69287	20.855	ug/l	97
62) Toluene	10.15	91	334536	20.229	ug/l	99
64) Chlorobenzene	11.43	112	203799	20.156	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	75708	19.969	ug/l	100
66) Ethyl Benzene	11.51	91	371732	20.300	ug/l	100
67) m/p-Xylenes	11.62	106	272159	39.781	ug/l	99
68) o-Xylene	11.95	106	127901	19.284	ug/l	98
69) Styrene	11.97	104	210565	19.217	ug/l	99
70) Isopropylbenzene	12.25	105	355384	19.847	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	120542	19.996	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	160197	29.327	ug/l	61
73) Bromobenzene	12.53	156	85211	19.592	ug/l	98
74) n-propylbenzene	12.59	91	435475	20.777	ug/l	100
75) 2-Chlorotoluene	12.68	91	254342	20.169	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	309121	20.156	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	39508	18.986	ug/l	99
78) 4-Chlorotoluene	12.78	91	259487	19.965	ug/l	99
79) tert-butylbenzene	13.00	119	260686	19.895	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	306207	20.093	ug/l	99
81) sec-Butylbenzene	13.18	105	353851	20.067	ug/l	99
82) p-Isopropyltoluene	13.29	119	310192	19.589	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	154828	19.673	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	149077	18.964	ug/l	98
85) n-Butylbenzene	13.62	91	285364	19.684	ug/l	100
86) Hexachloroethane	13.88	117	55537	19.272	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	152938	19.684	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	25654	19.120	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	92091	18.771	ug/l	99
90) Hexachlorobutadiene	15.02	225	49944	19.715	ug/l	98
91) Naphthalene	15.13	128	267470	18.466	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	88299	18.490	ug/l	99

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QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

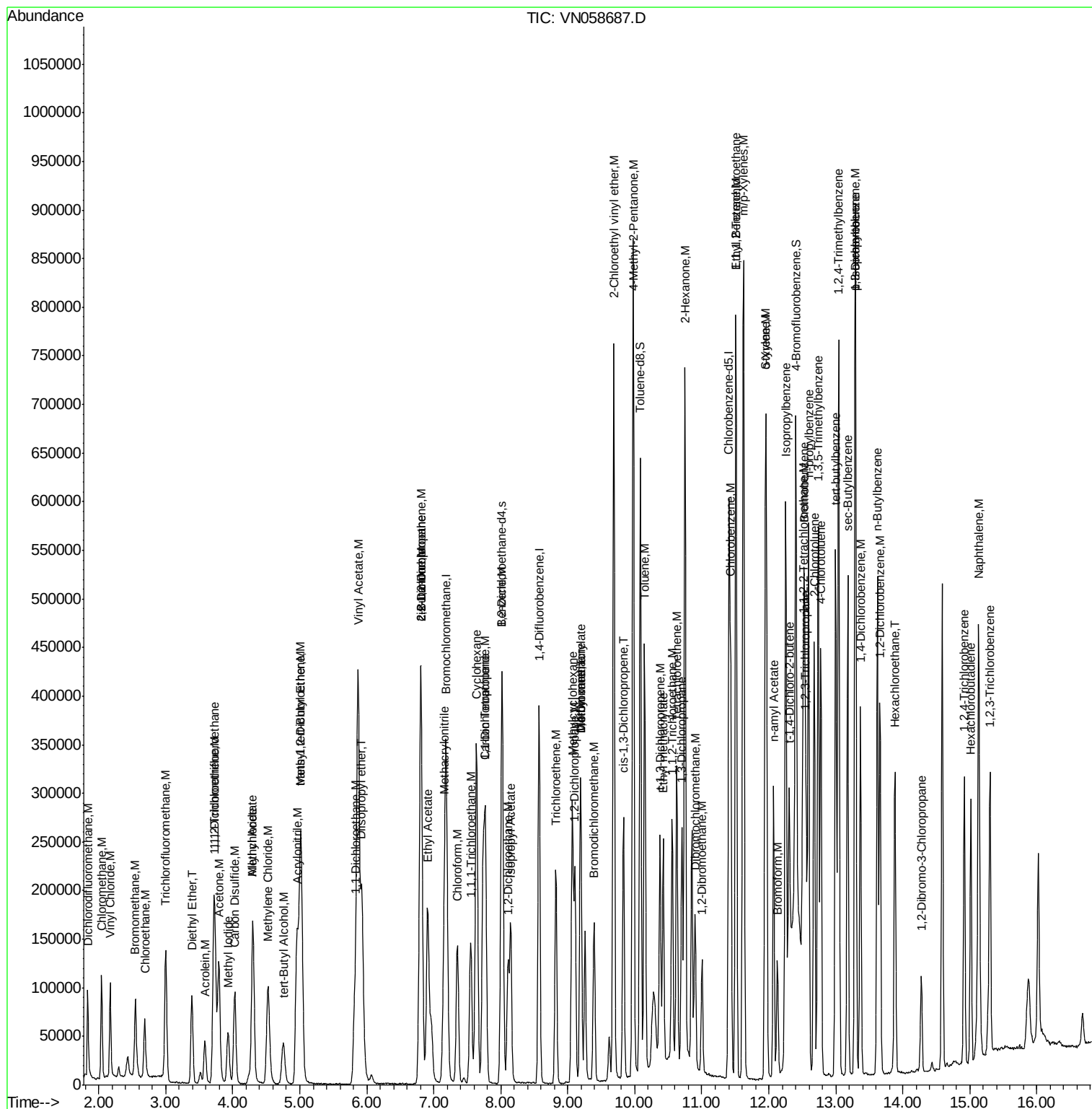
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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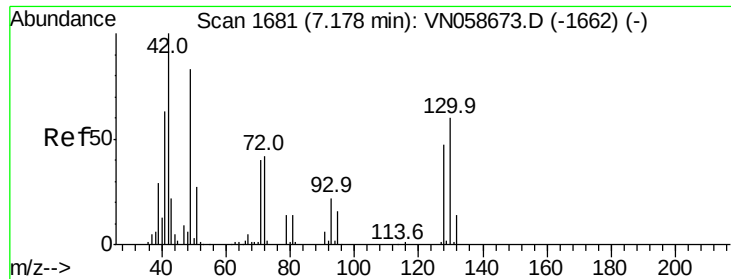
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Oct 11 17:28:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

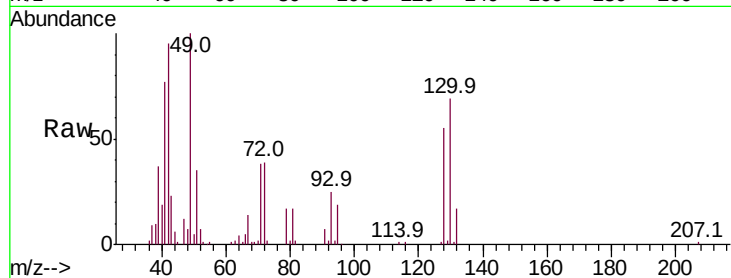
Tot Ion:128 Resp: 60493

Ion Ratio Lower Upper

128 100

49 182.2 0.0 453.5

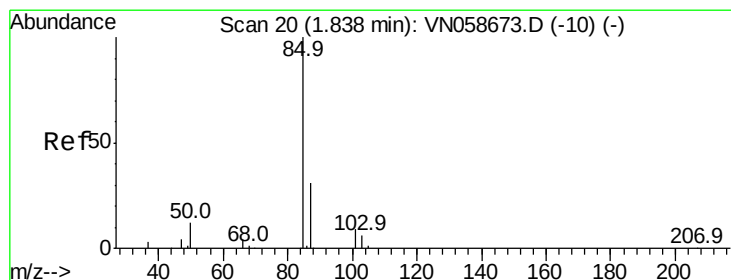
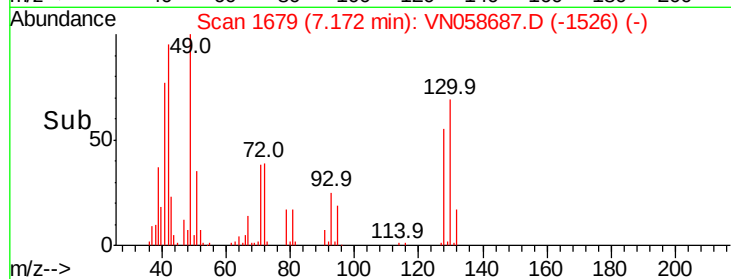
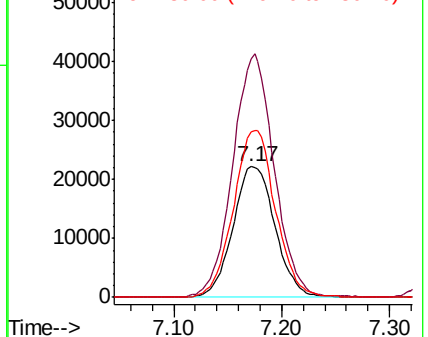
130 126.9 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.822 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058687.D

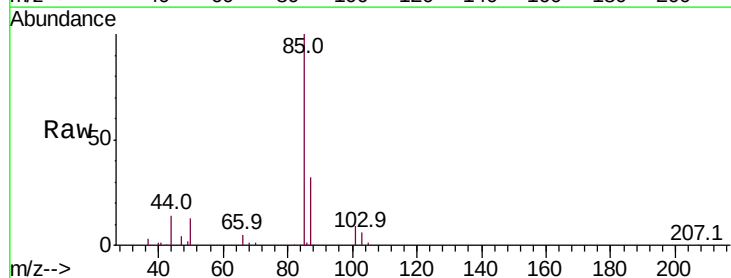
Acq: 11 Oct 2019 8:43

Tgt Ion: 85 Resp: 71525

Ion Ratio Lower Upper

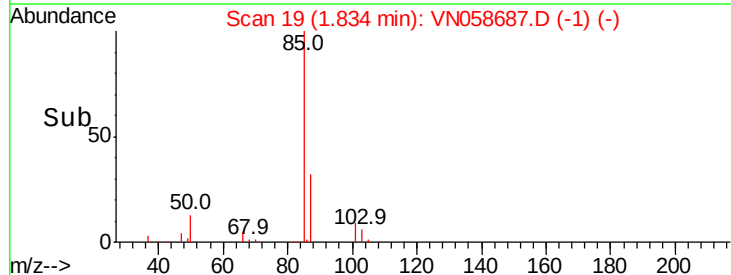
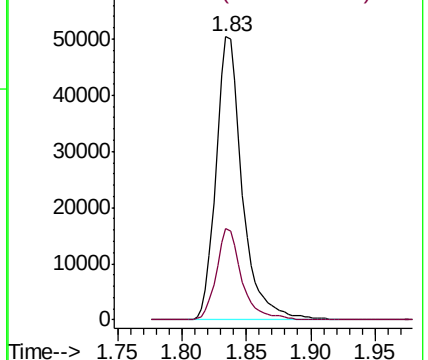
85 100

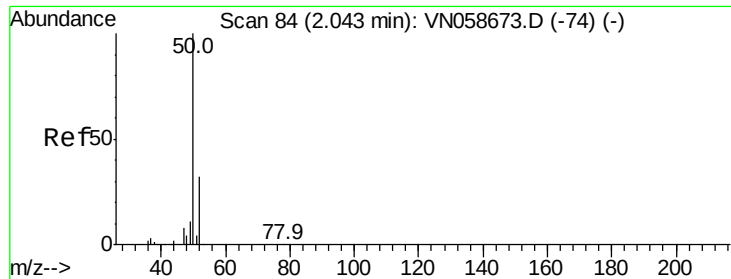
87 32.2 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 20.736 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

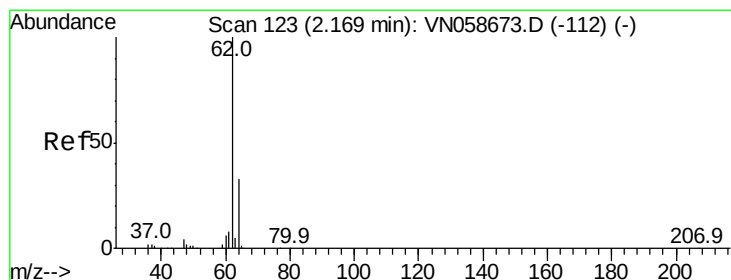
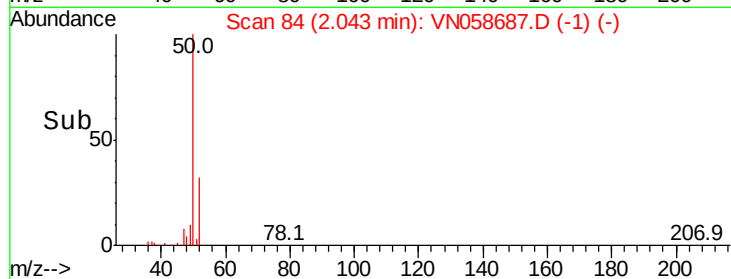
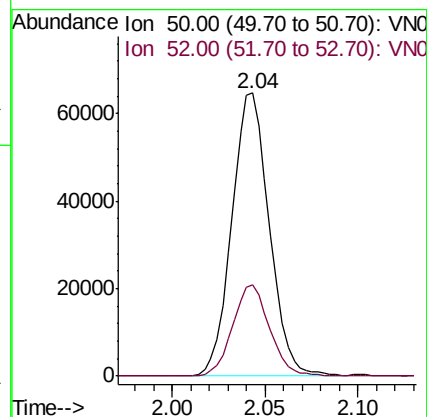
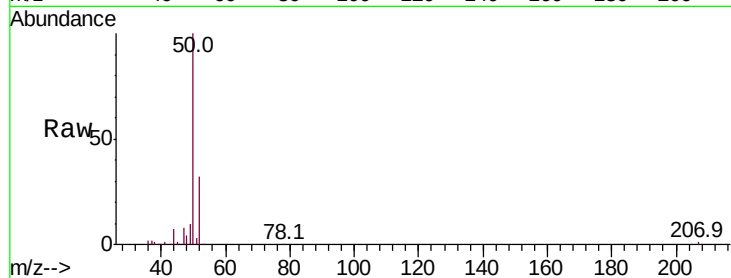
ClientSampled :

Tot Ion: 50 Resp: 90784

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.8



#4

Vinyl Chloride

Concen: 19.892 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058687.D

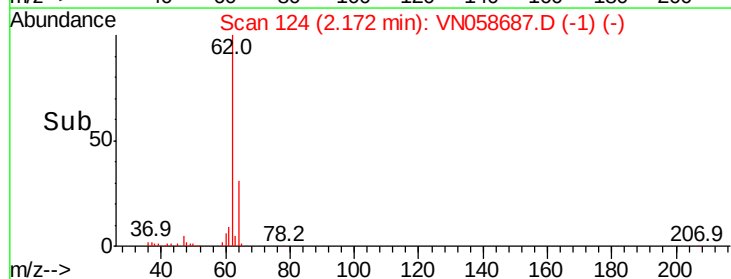
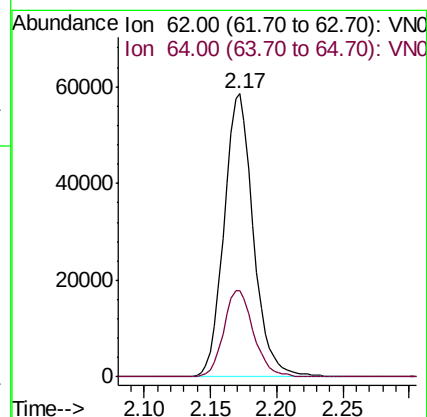
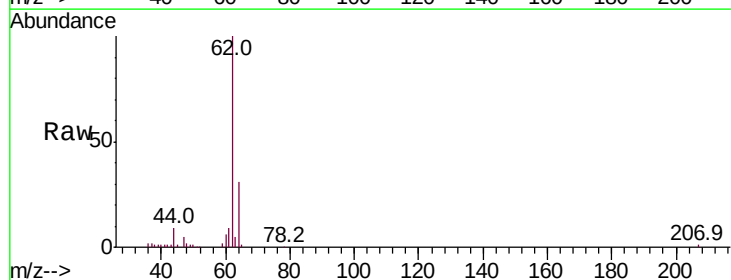
Acq: 11 Oct 2019 8:43

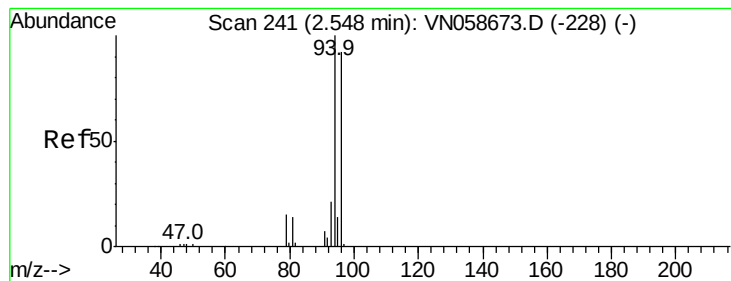
Tgt Ion: 62 Resp: 90010

Ion Ratio Lower Upper

62 100

64 30.5 26.1 39.1





#5

Bromomethane

Concen: 20.105 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

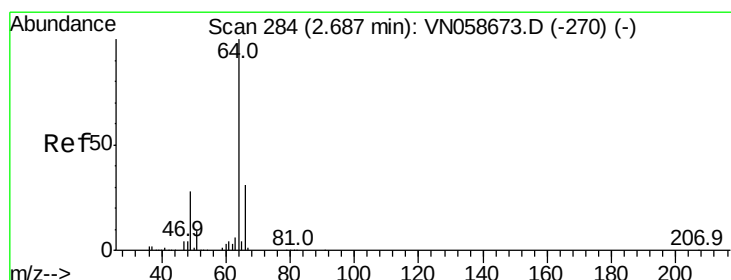
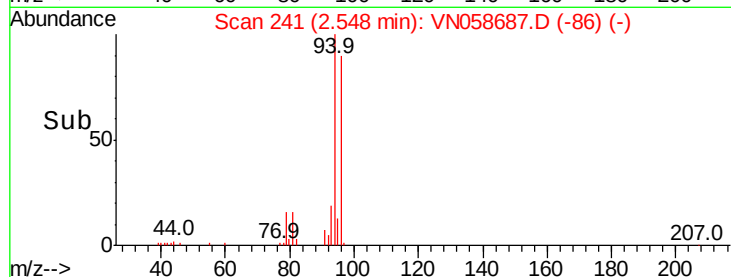
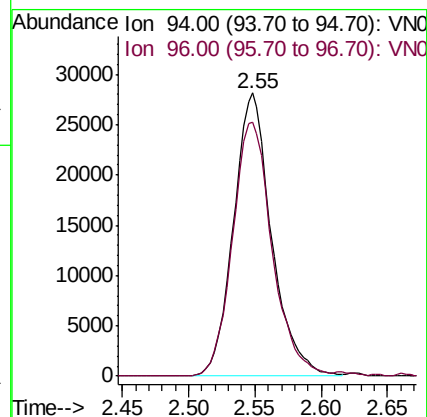
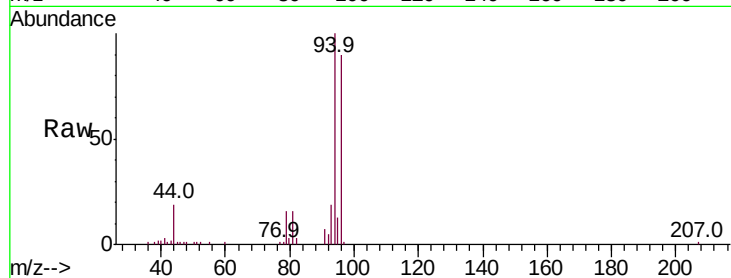
ClientSampled :

Tot Ion: 94 Resp: 56169

Ion Ratio Lower Upper

94 100

96 89.8 73.7 110.5



#6

Chloroethane

Concen: 20.541 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058687.D

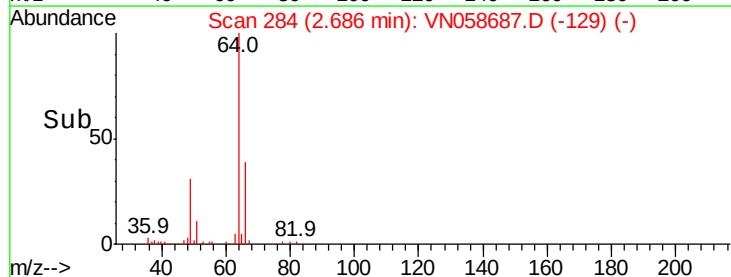
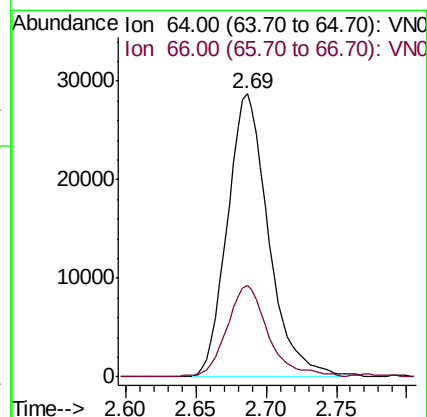
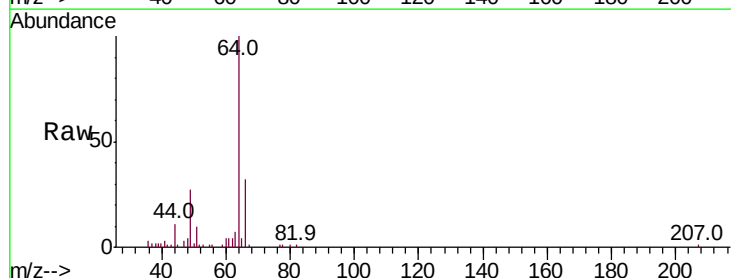
Acq: 11 Oct 2019 8:43

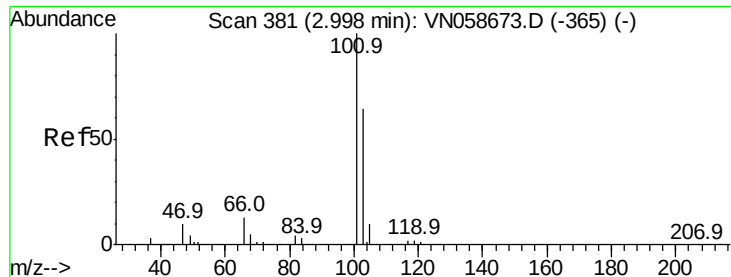
Tgt Ion: 64 Resp: 58423

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8



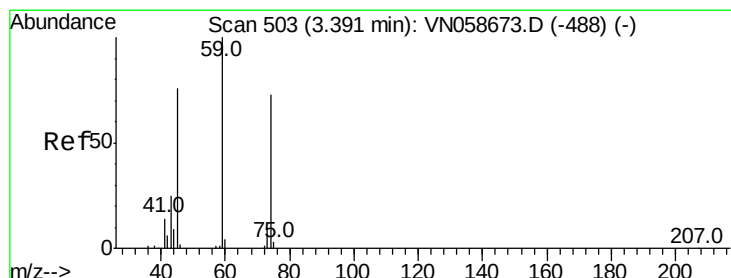
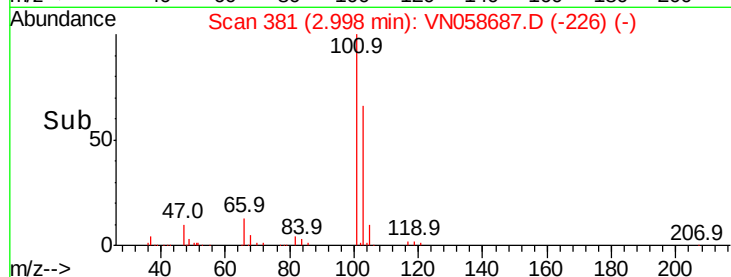
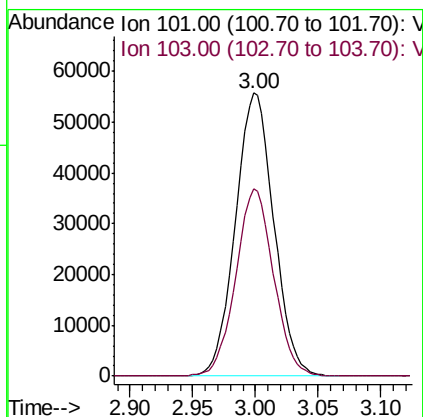
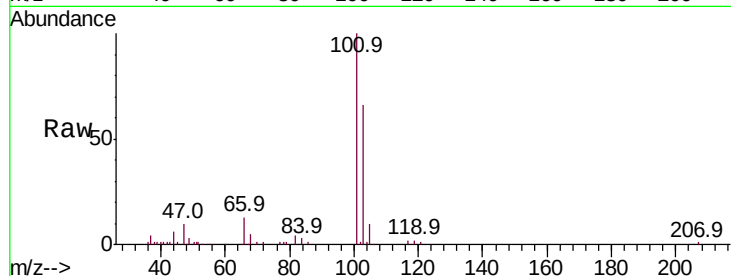


#7

Trichlorofluoromethane
 Concen: 21.314 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampled :

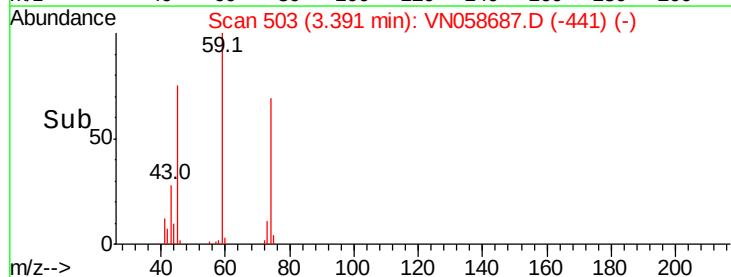
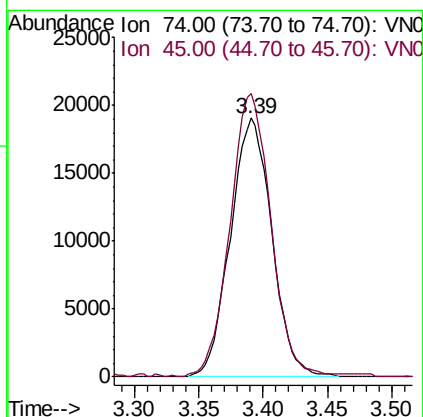
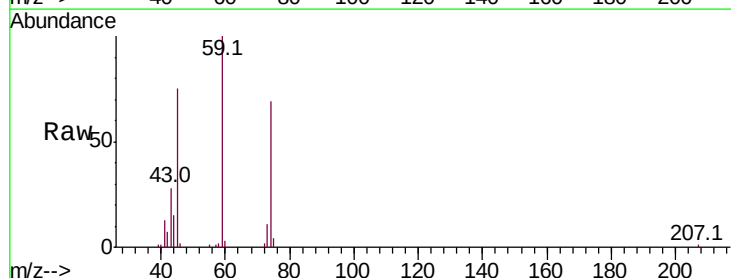
Tot Ion:101 Resp: 118709
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.5 77.3

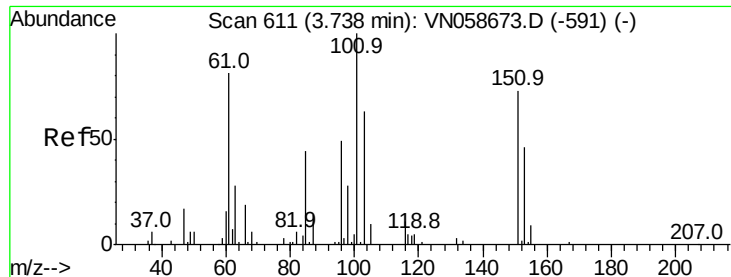


#8

Diethyl Ether
 Concen: 20.091 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion: 74 Resp: 42677
 Ion Ratio Lower Upper
 74 100
 45 108.2 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.641 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

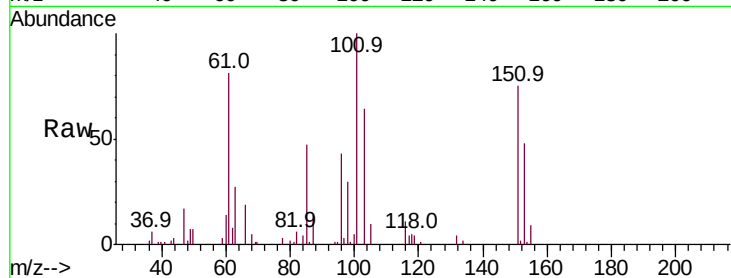
Tot Ion:101 Resp: 66517

Ion Ratio Lower Upper

101 100

85 46.3 0.0 93.8

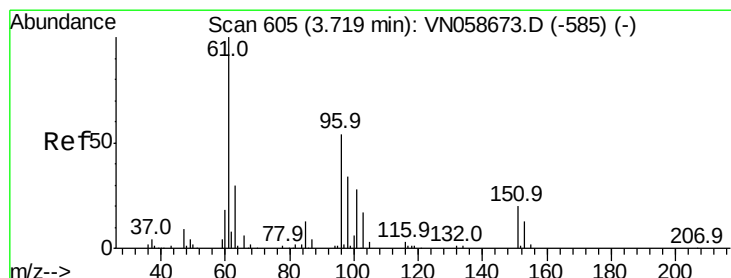
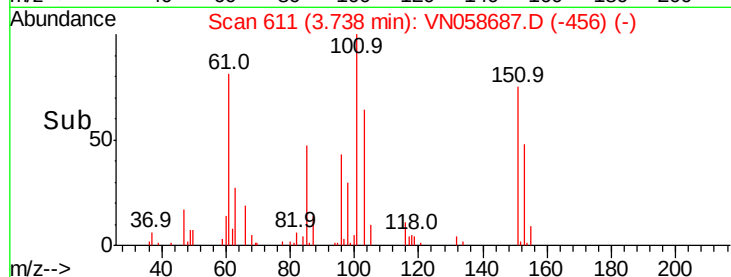
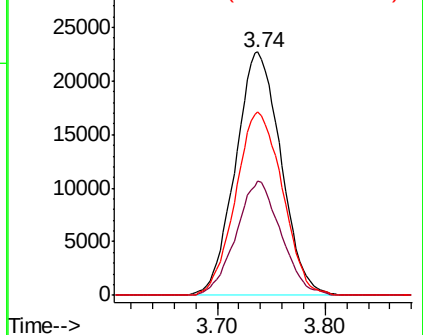
151 77.7 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.493 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

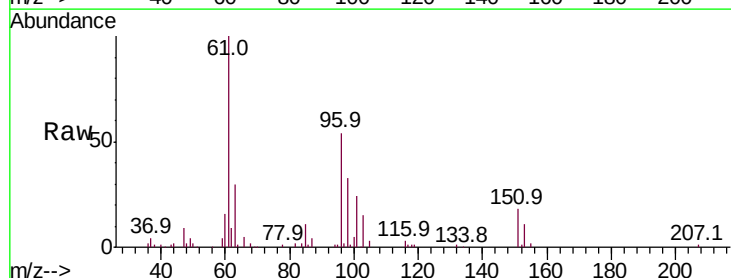
Tgt Ion: 96 Resp: 61698

Ion Ratio Lower Upper

96 100

61 186.3 148.5 222.7

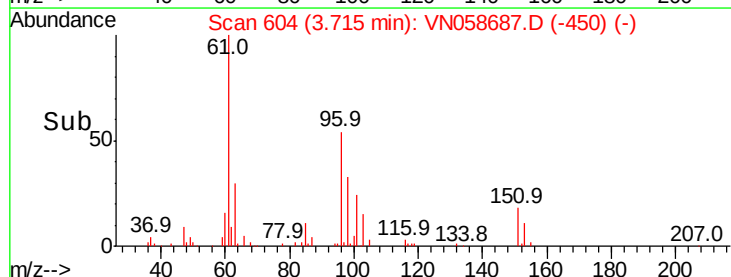
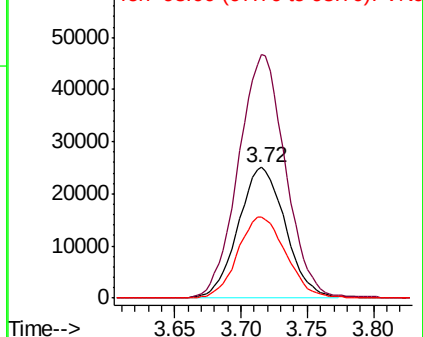
98 62.3 51.0 76.6

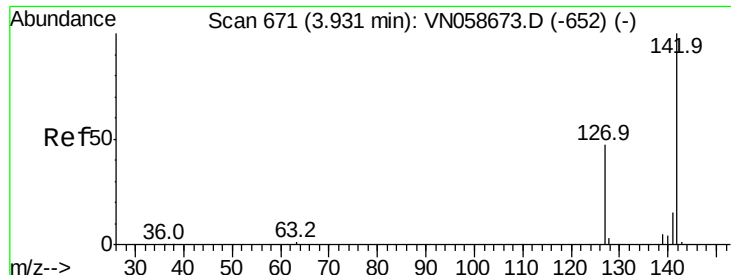


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

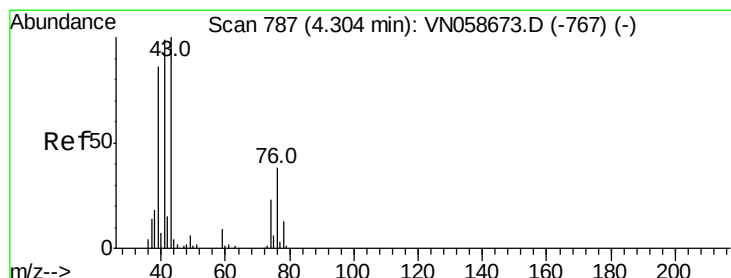
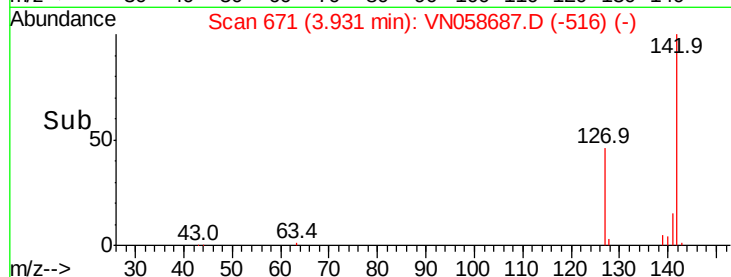
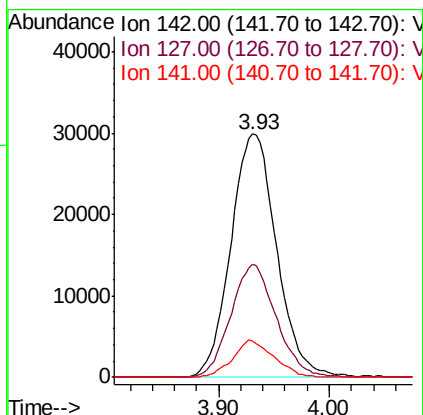
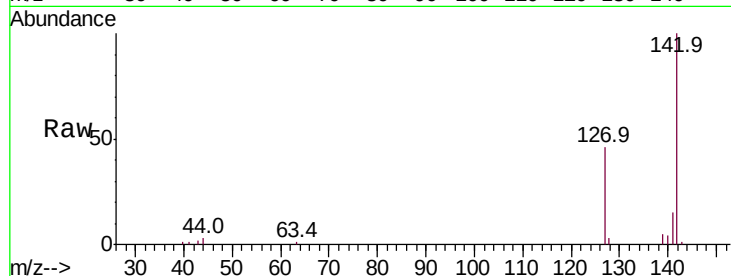




#11
Methvl Iodide
Concen: 19.467 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

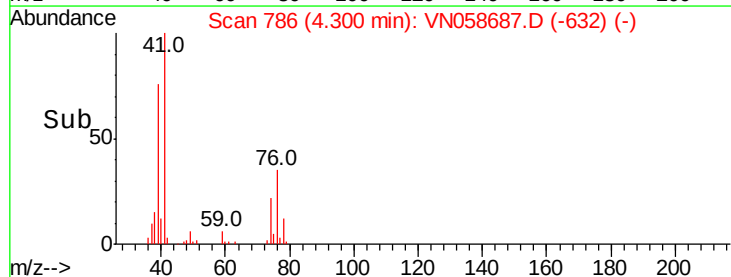
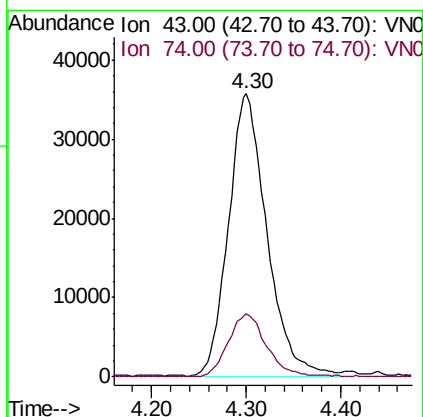
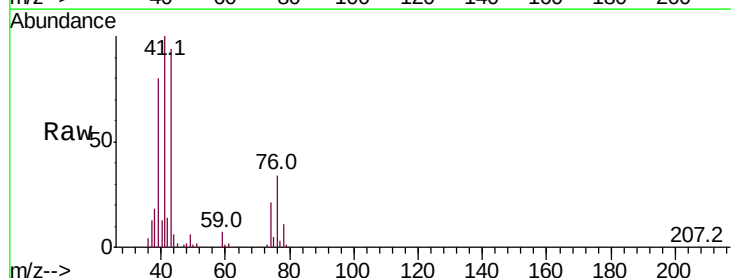
Instrument :
MSVOA_N
ClientSampleId :

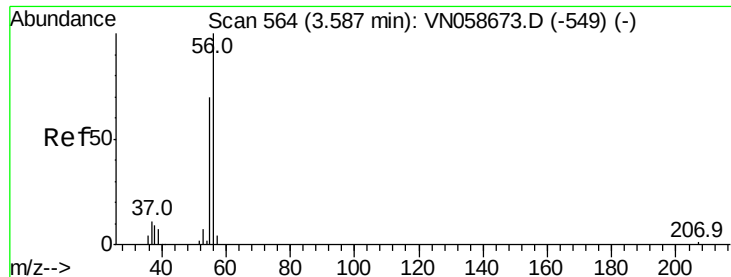
Tot Ion:142 Resp: 85809
Ion Ratio Lower Upper
142 100
127 46.3 23.5 70.6
141 14.9 7.4 22.2



#12
Methyl Acetate
Concen: 20.012 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 43 Resp: 101340
Ion Ratio Lower Upper
43 100
74 22.1 18.1 27.1

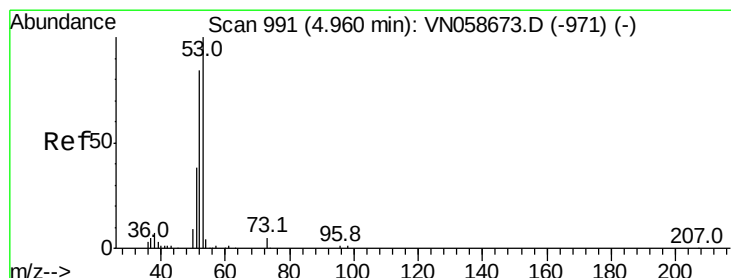
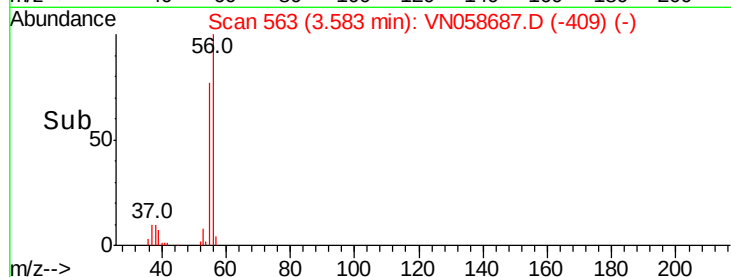
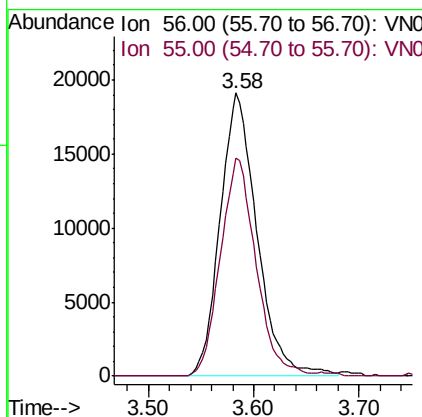
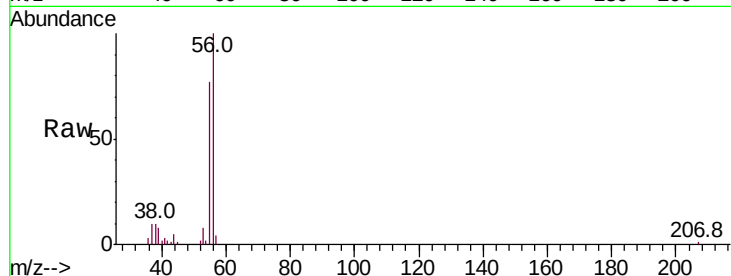




#13
Acrolein
Concen: 82.776 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

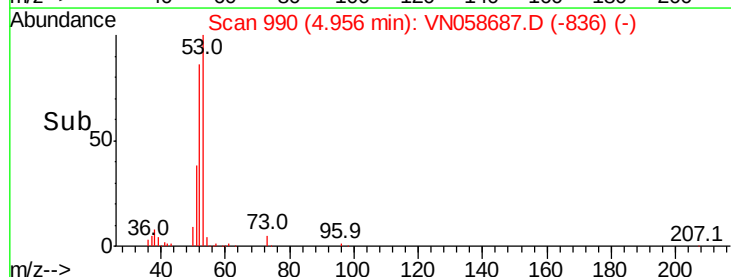
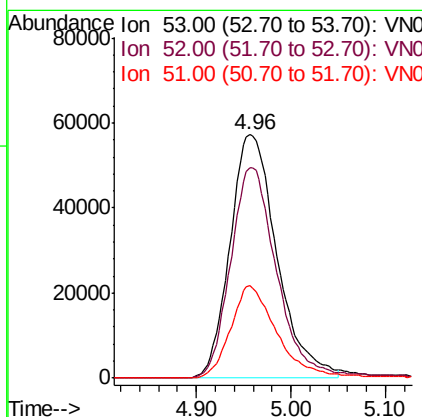
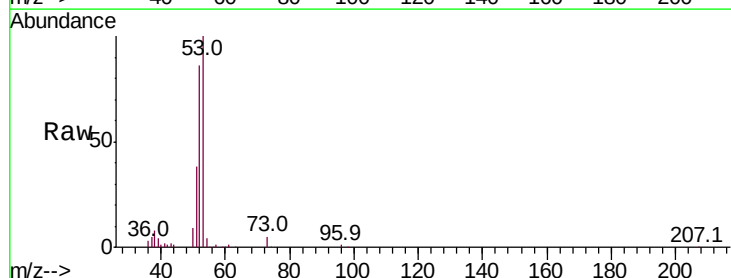
Instrument :
MSVOA_N
ClientSampleId :

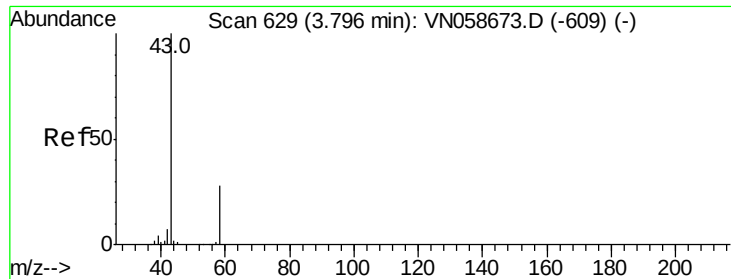
Tot Ion: 56 Resp: 46315
Ion Ratio Lower Upper
56 100
55 74.4 55.9 83.9



#14
Acrylonitrile
Concen: 99.174 ug/l
RT: 4.96 min Scan# 990
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 53 Resp: 197884
Ion Ratio Lower Upper
53 100
52 84.5 42.2 126.6
51 37.2 18.8 56.4





#15

Acetone

Concen: 101.680 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

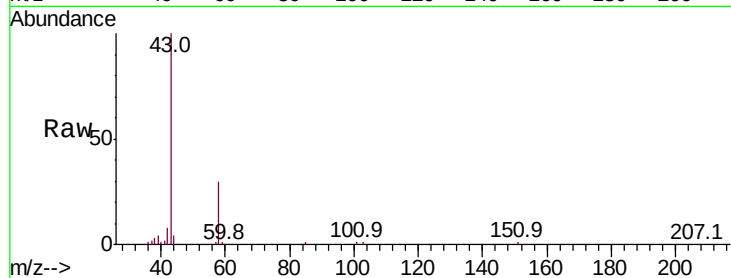
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 60224

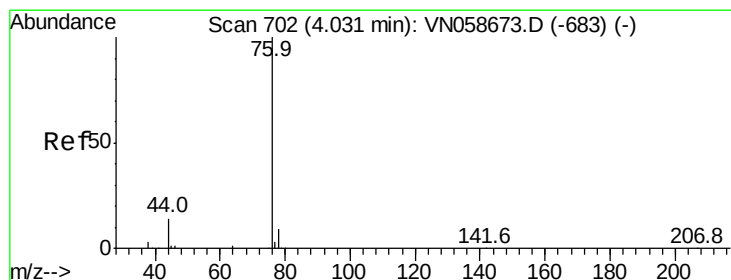
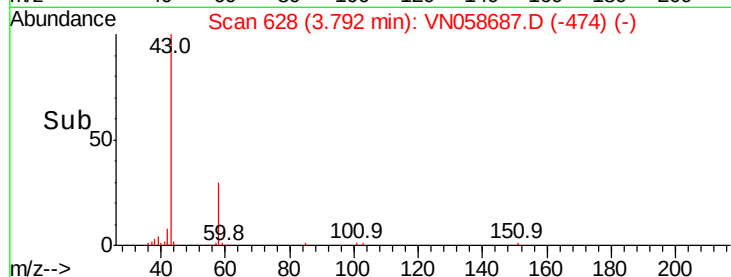
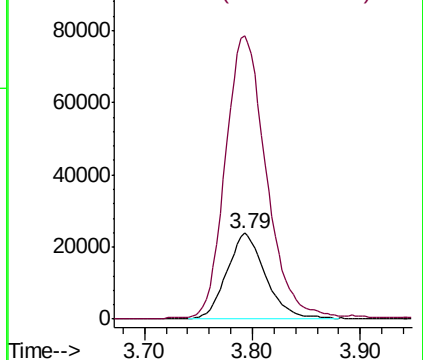
Ion Ratio Lower Upper

58 100

43 326.5 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VNO
Ion 43.00 (42.70 to 43.70): VNO



#16

Carbon Disulfide

Concen: 19.808 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058687.D

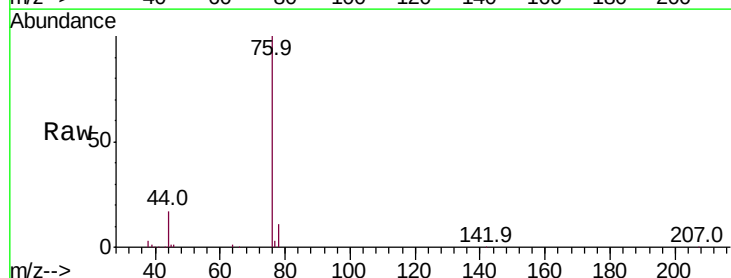
Acq: 11 Oct 2019 8:43

Tgt Ion: 76 Resp: 182861

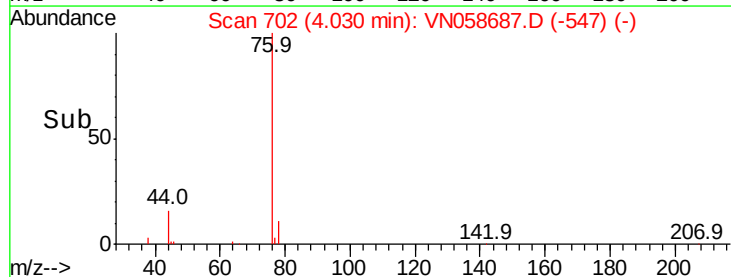
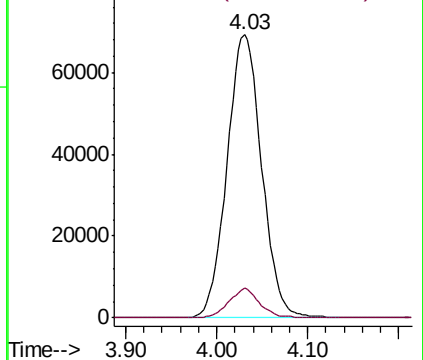
Ion Ratio Lower Upper

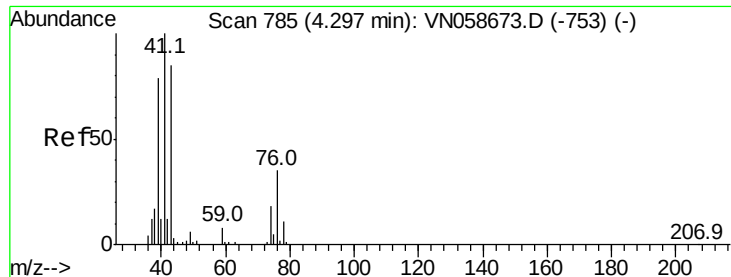
76 100

78 10.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VNO
Ion 78.00 (77.70 to 78.70): VNO

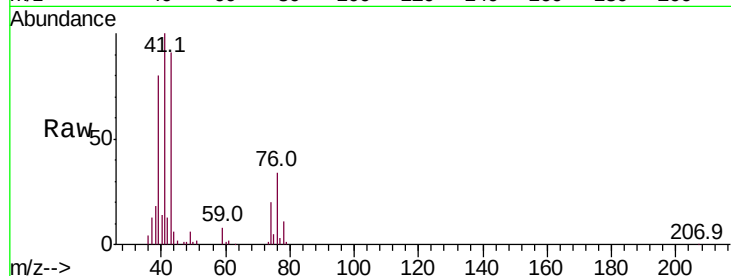




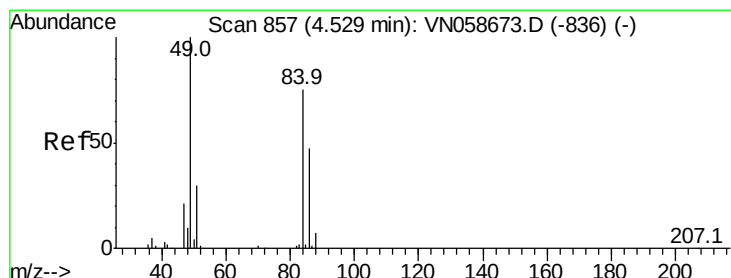
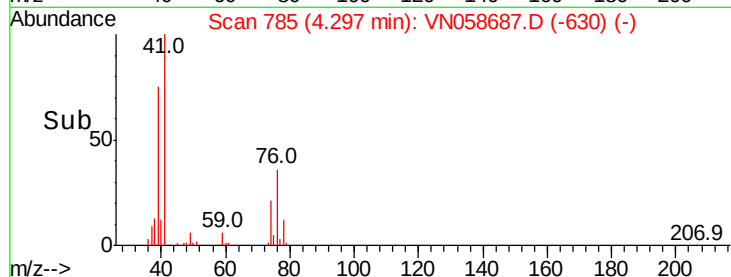
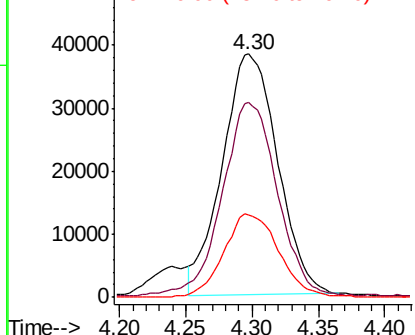
#17
Allvl chloride
Concen: 17.647 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 111172
Ion Ratio Lower Upper
41 100
39 80.0 39.6 118.8
76 34.0 17.6 52.9

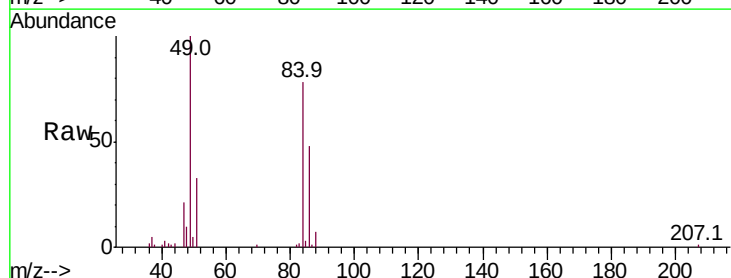


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

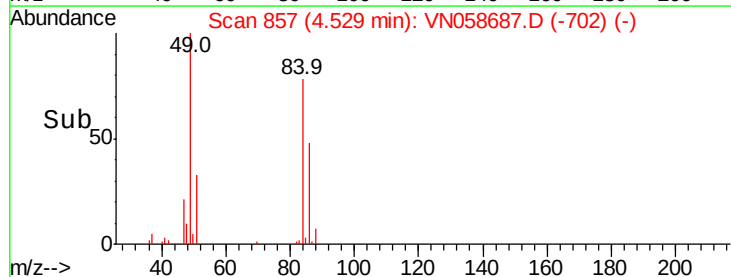
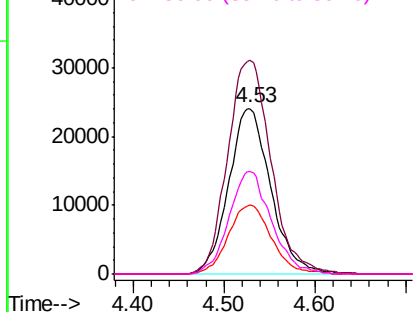


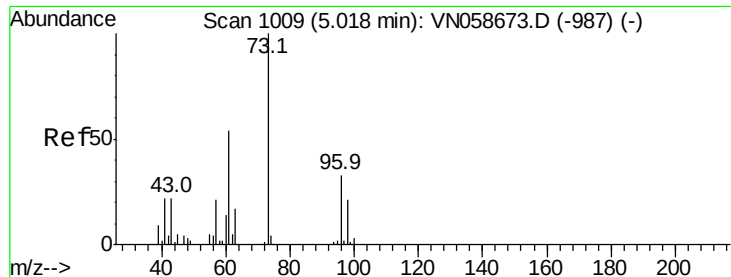
#18
Methylene Chloride
Concen: 20.168 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 84 Resp: 77297
Ion Ratio Lower Upper
84 100
49 128.9 106.6 160.0
51 41.9 32.4 48.6
86 62.1 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

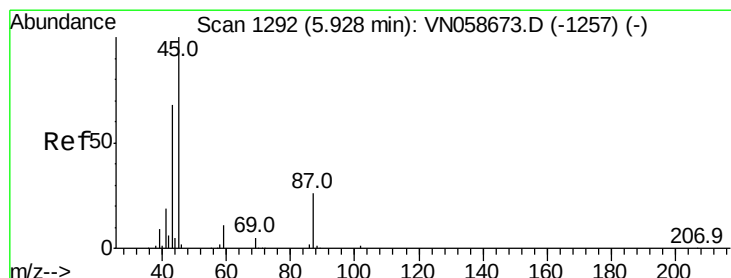
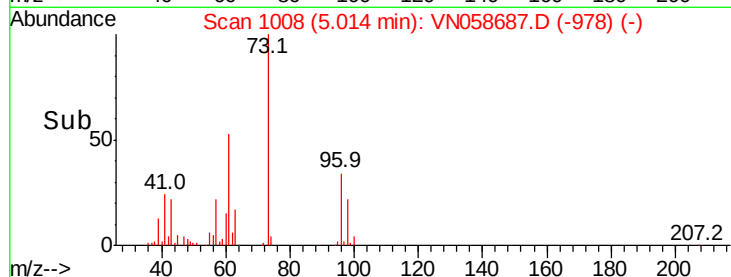
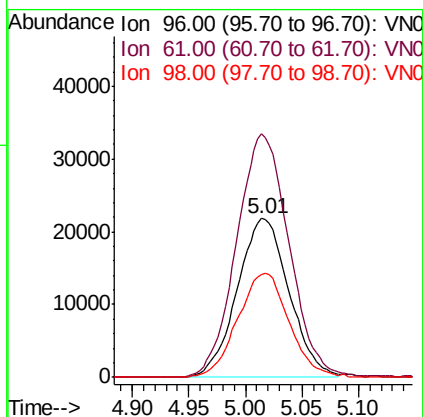
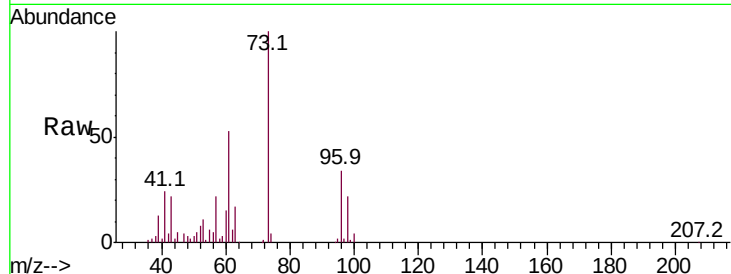




#19
trans-1,2-Dichloroethene
Concen: 20.149 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

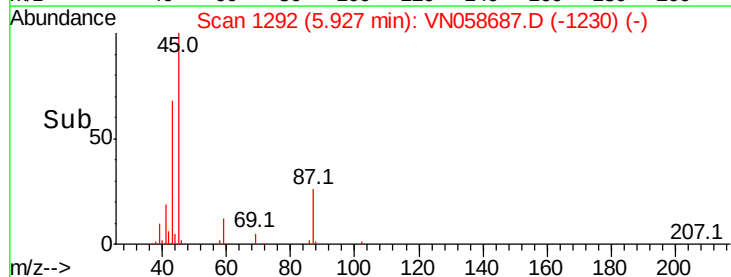
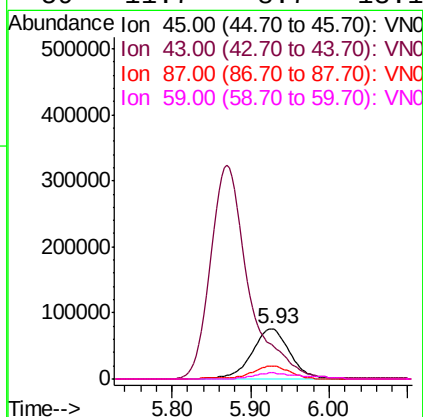
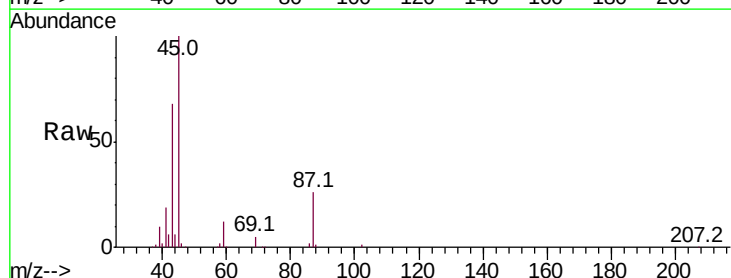
Instrument :
MSVOA_N
ClientSampleId :

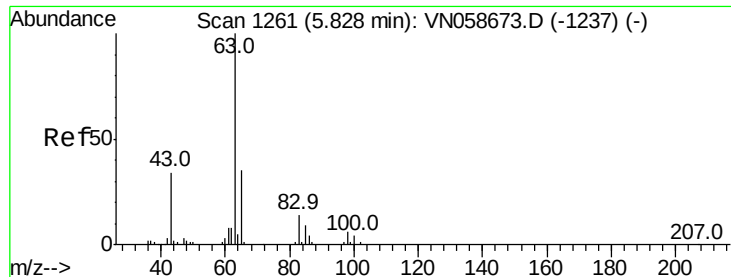
Tot Ion: 96 Resp: 69428
Ion Ratio Lower Upper
96 100
61 152.3 131.8 197.6
98 65.0 52.6 79.0



#20
Diisopropyl ether
Concen: 20.134 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 45 Resp: 258421
Ion Ratio Lower Upper
45 100
43 64.9 54.7 82.1
87 26.4 21.5 32.3
59 11.7 8.7 13.1





#21

1,1-Dichloroethane

Concen: 20.473 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

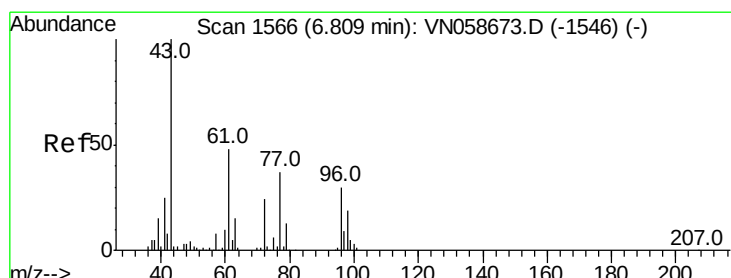
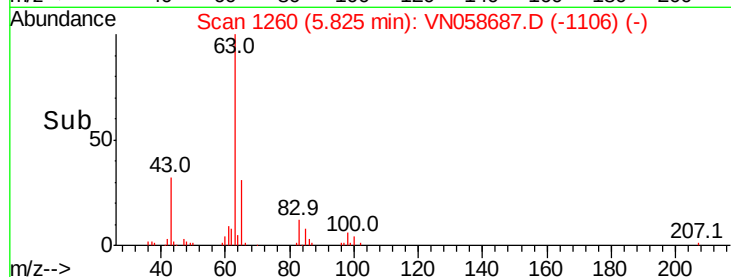
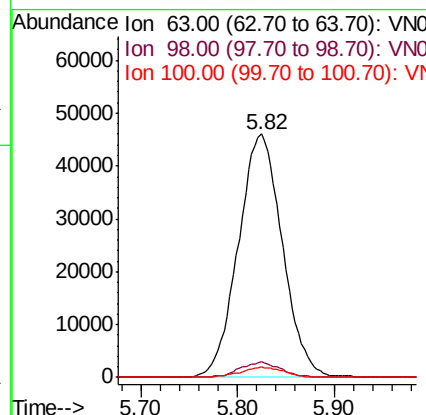
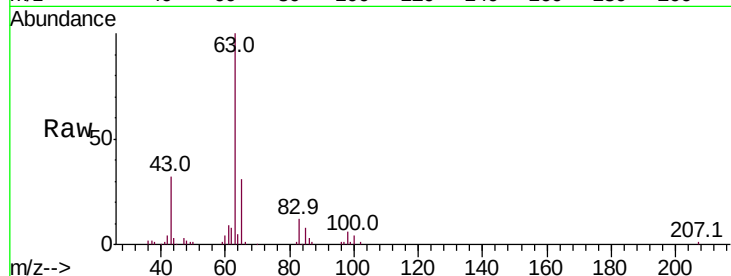
Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 145509

Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.9	8.6
100	4.1	1.8	5.5



#22

cis-1,2-Dichloroethene

Concen: 19.573 ug/l

RT: 6.81 min Scan# 1566

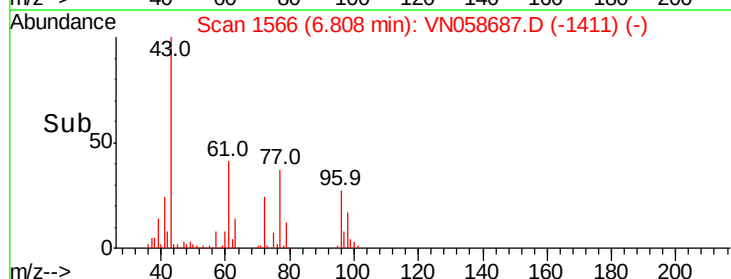
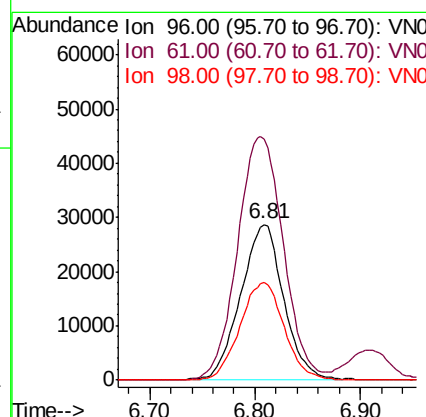
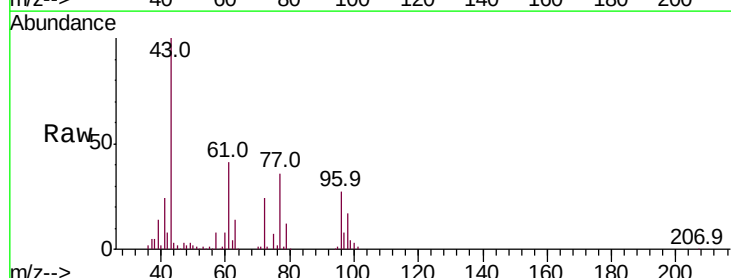
Delta R.T. -0.00 min

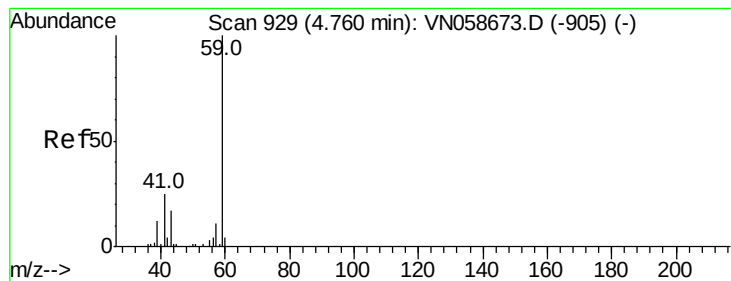
Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion: 96 Resp: 80411

Ion	Ratio	Lower	Upper
96	100		
61	168.7	127.2	190.8
98	65.3	50.5	75.7



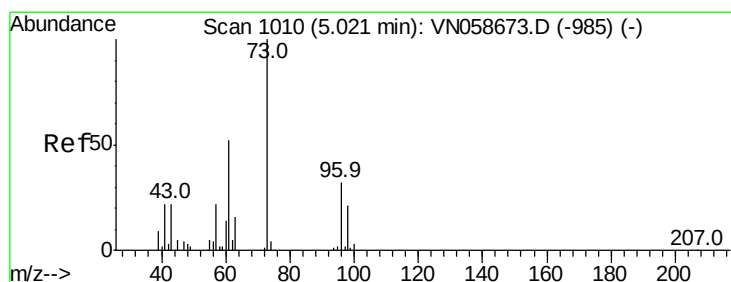
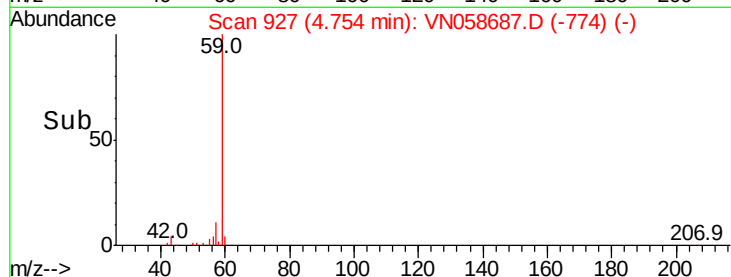
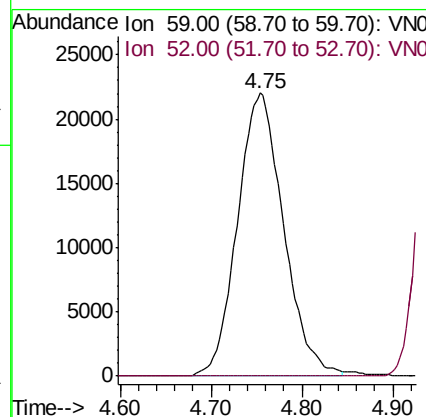
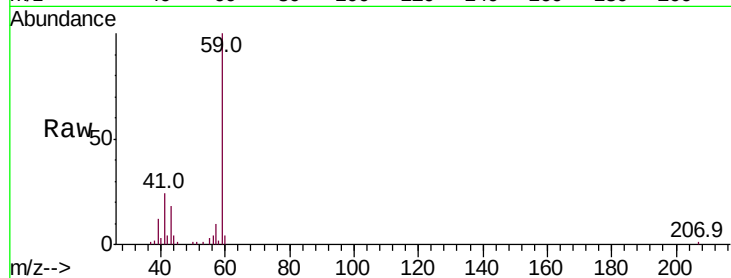


#23

tert-Butyl Alcohol
Concen: 94.838 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

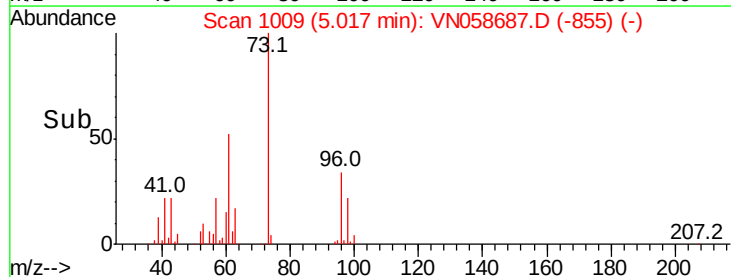
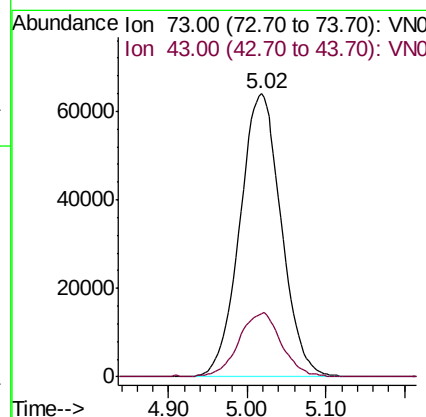
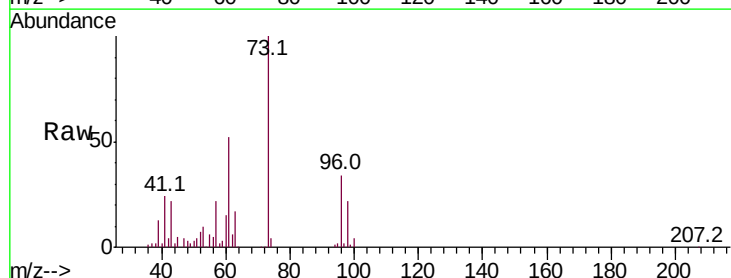
Tot Ion: 59 Resp: 77401
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

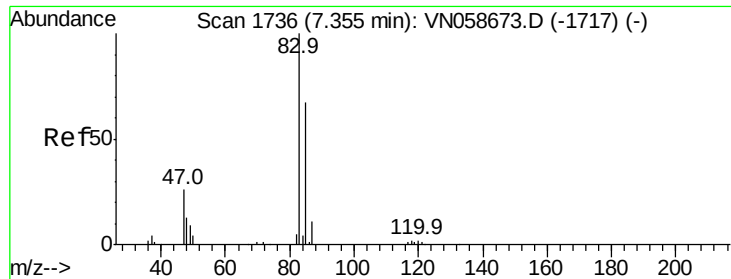


#24

Methyl tert-Butyl Ether
Concen: 20.002 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 73 Resp: 236182
Ion Ratio Lower Upper
73 100
43 22.3 17.9 26.9





#25

Chloroform

Concen: 20.755 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

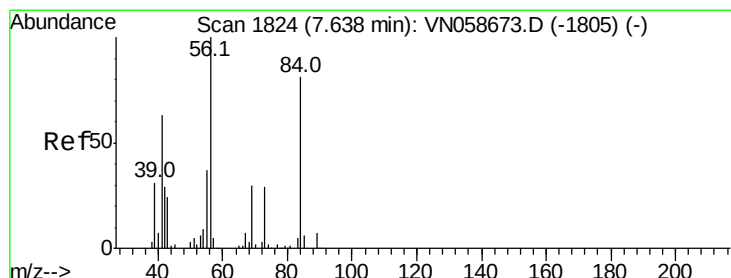
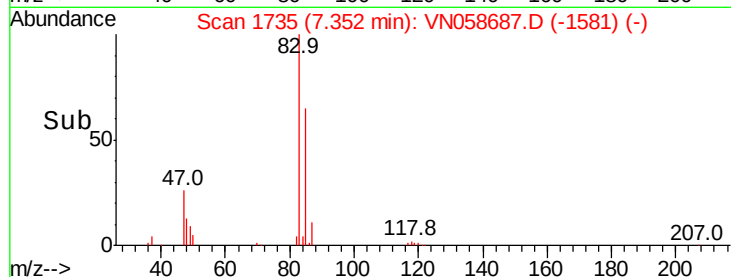
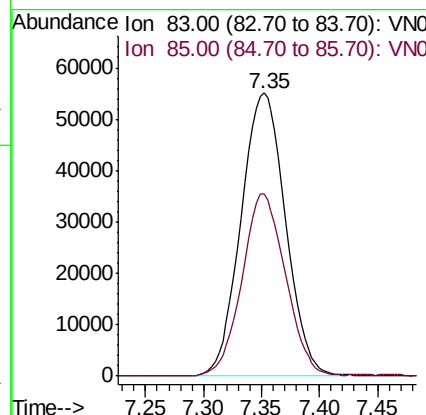
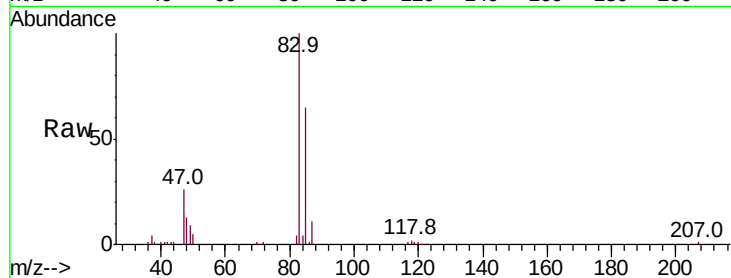
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 147125

Ion Ratio Lower Upper

83 100

85 64.6 53.8 80.8



#26

Cyclohexane

Concen: 19.845 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

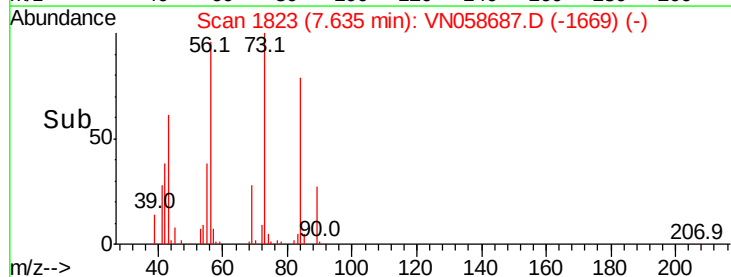
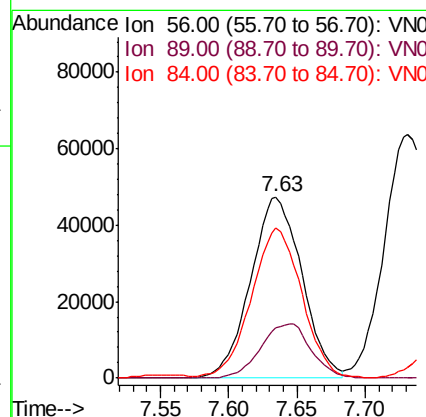
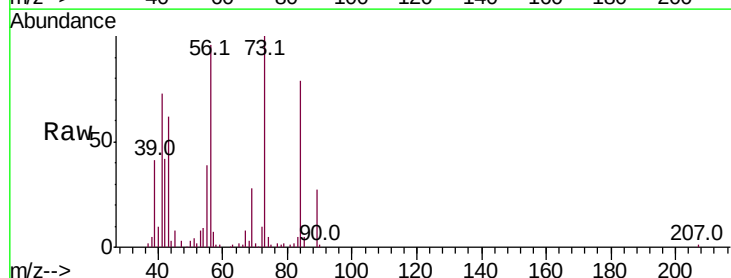
Tgt Ion: 56 Resp: 123799

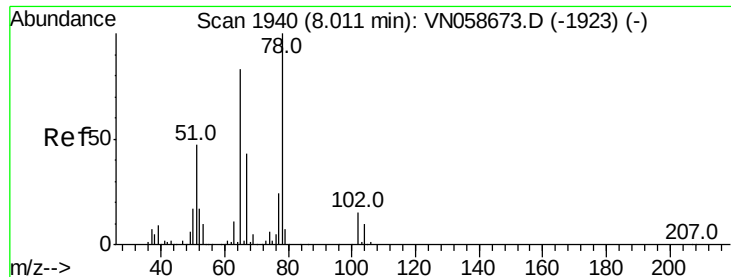
Ion Ratio Lower Upper

56 100

89 29.3 6.2 9.2#

84 81.7 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 30.110 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

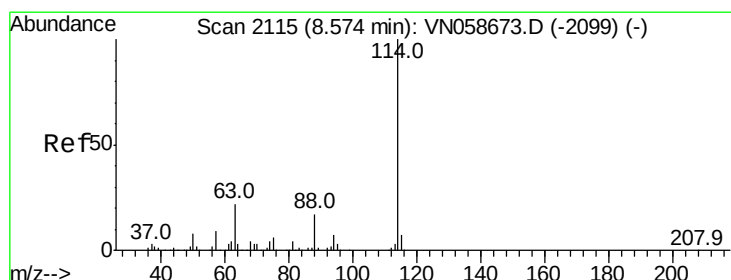
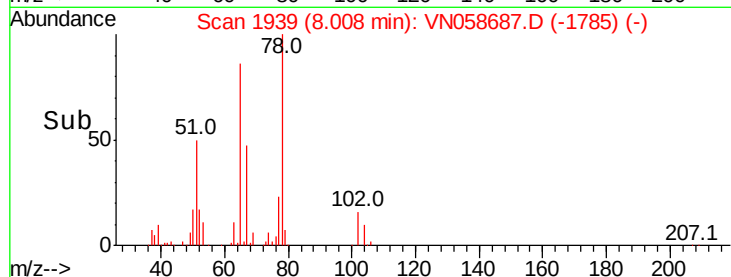
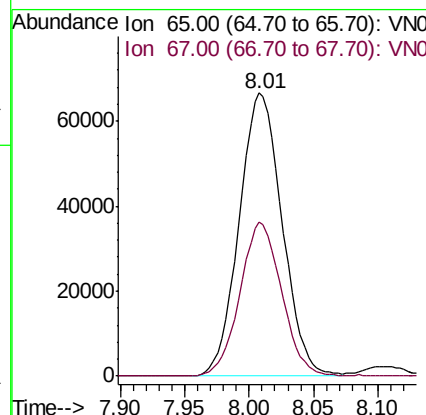
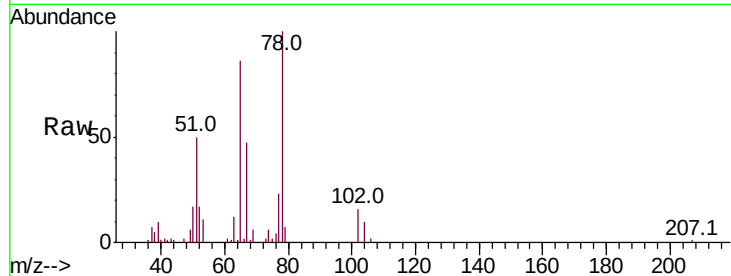
Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 154595

Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.5	62.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2114

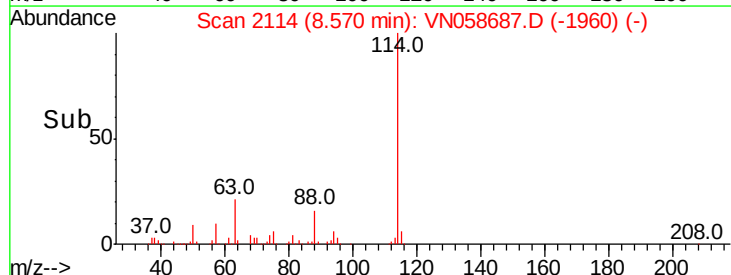
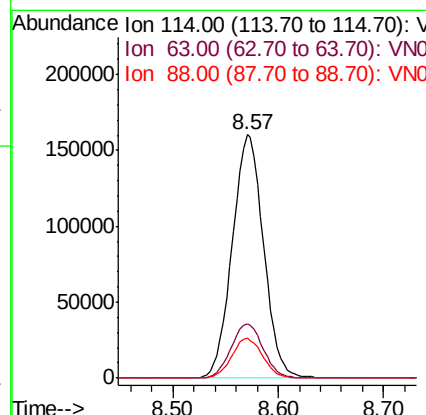
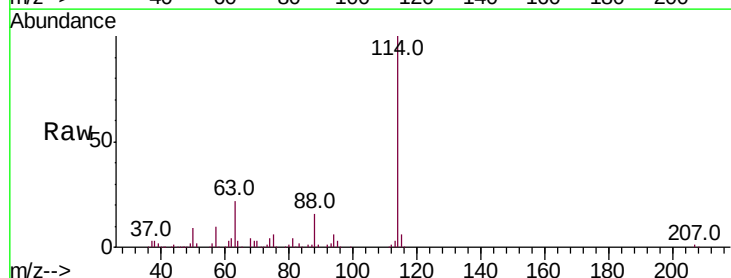
Delta R.T. -0.00 min

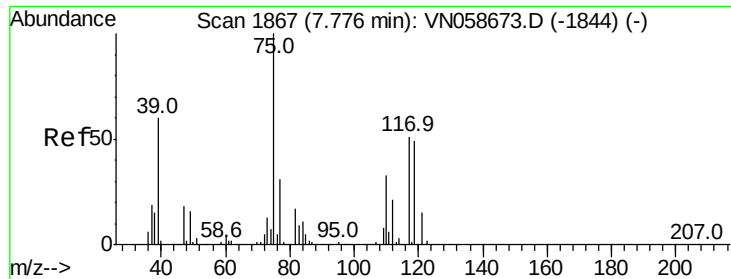
Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion: 114 Resp: 328894

Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.1	27.1
88	16.2	13.0	19.4

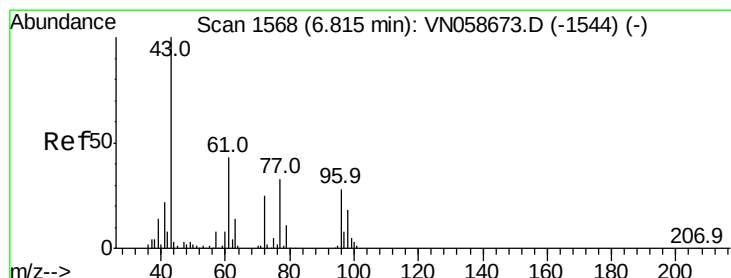
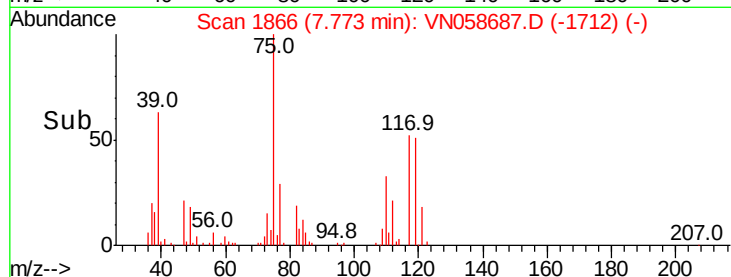
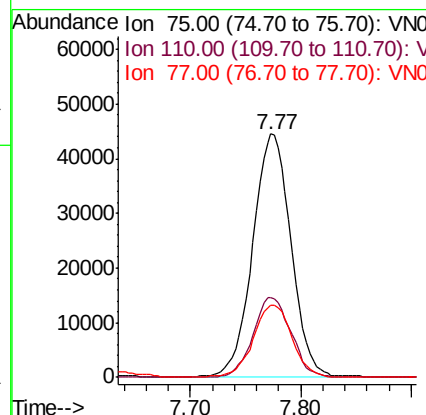
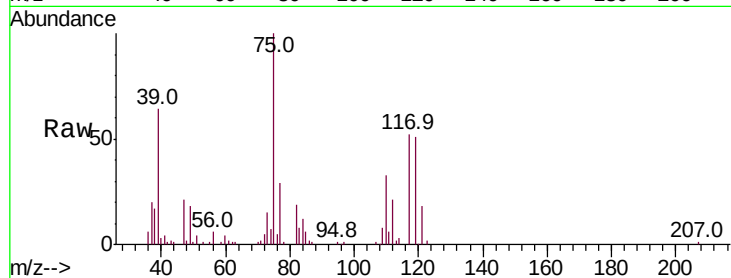




#29
 1,1-Dichloropropene
 Concen: 20.695 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

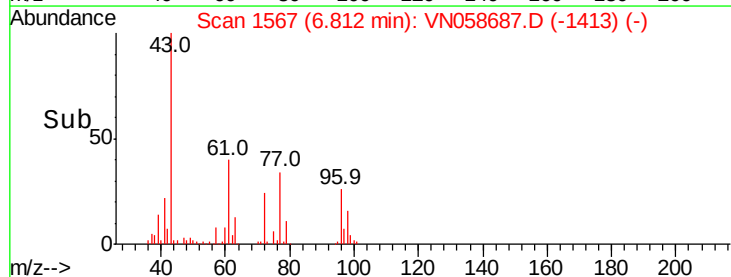
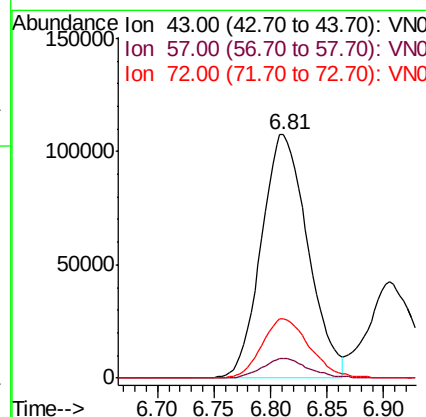
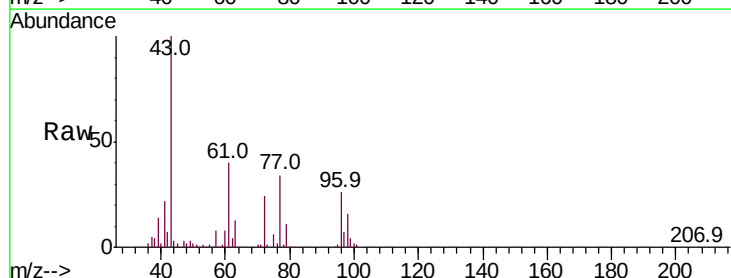
Instrument :
 MSVOA_N
 ClientSampled :

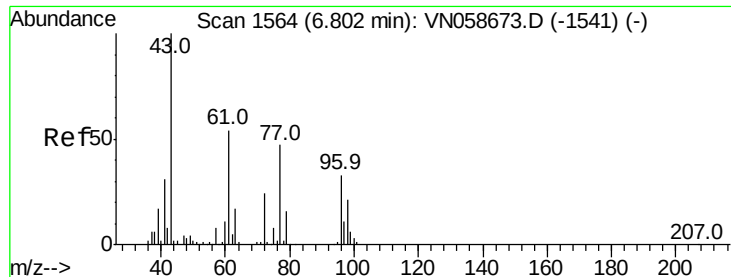
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.4	0.0	64.6
77	30.0	0.0	60.8



#30
 2-Butanone
 Concen: 104.561 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.5	9.7
72	25.2	20.1	30.1

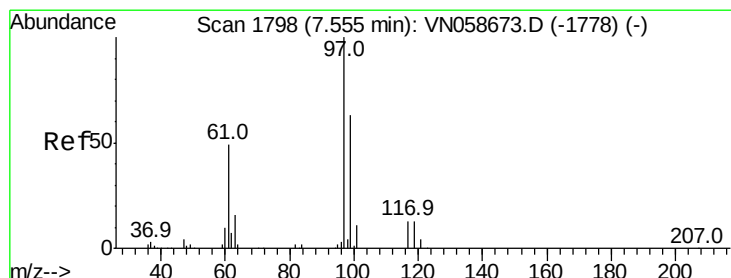
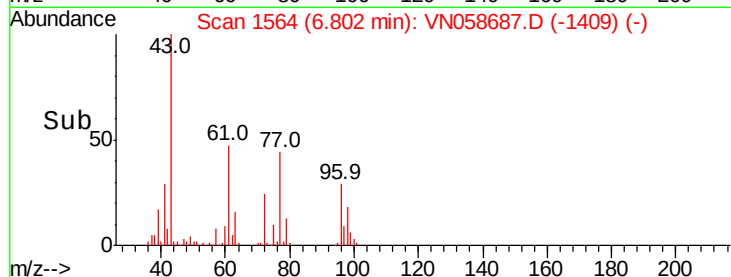
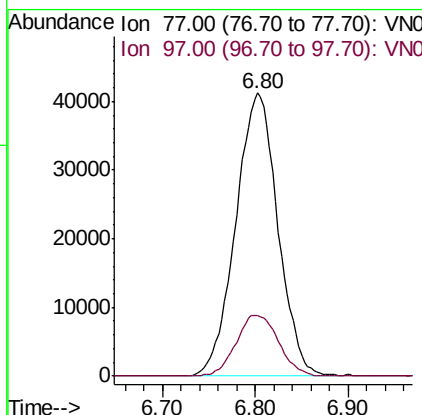
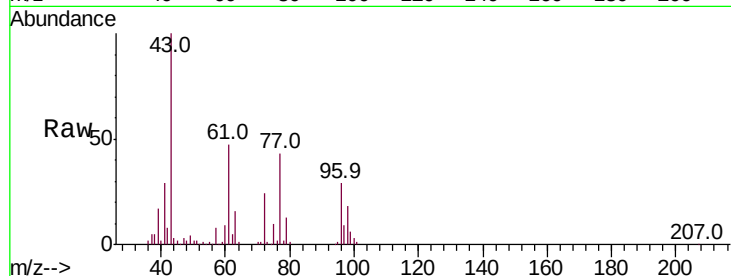




#31
 2,2-Dichloropropane
 Concen: 21.289 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

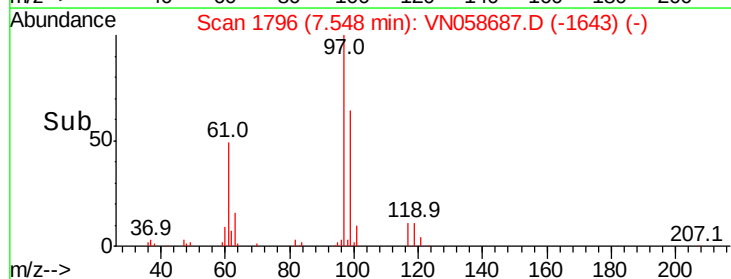
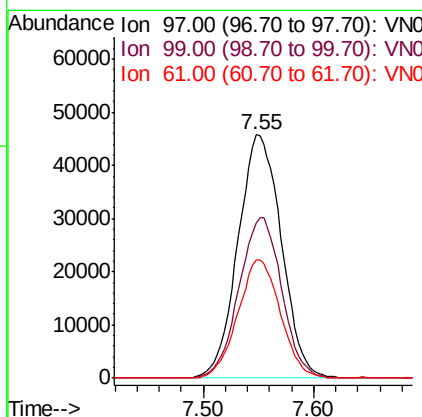
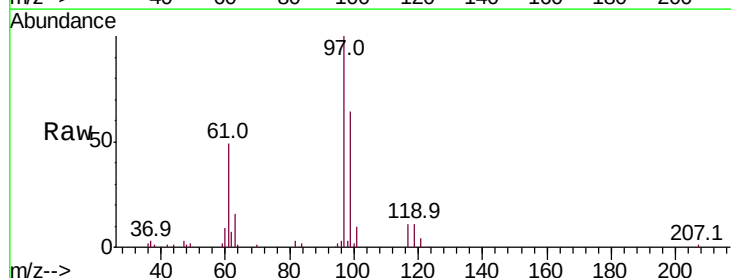
Instrument :
 MSVOA_N
 ClientSampled :

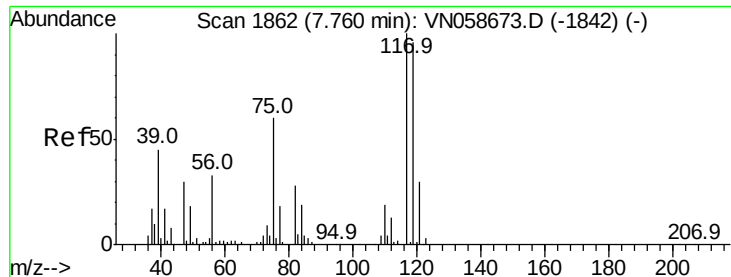
Tot Ion: 77 Resp: 129911
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 20.861 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion: 97 Resp: 124915
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.3 76.9
 61 47.7 38.4 57.6

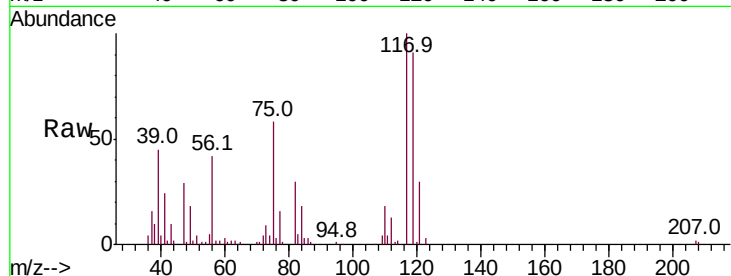




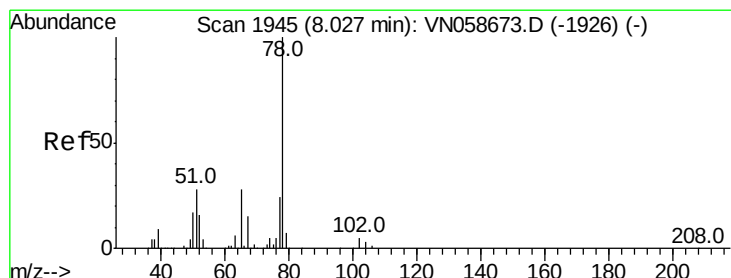
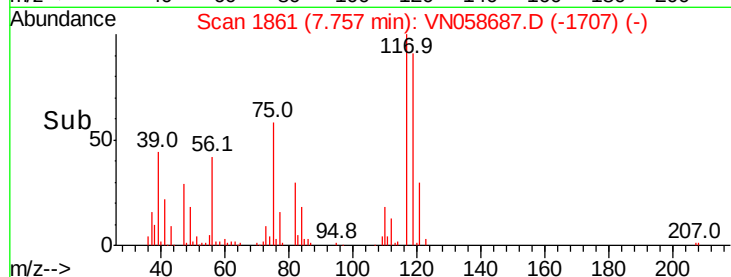
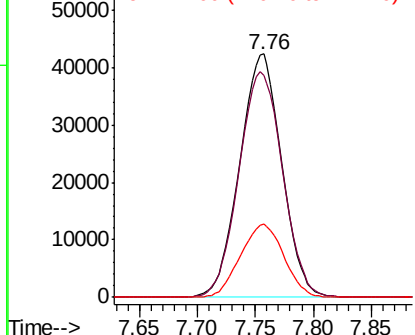
#33
Carbon Tetrachloride
Concen: 20.608 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 106814
Ion Ratio Lower Upper
117 100
119 91.2 76.9 115.3
121 30.1 23.8 35.8

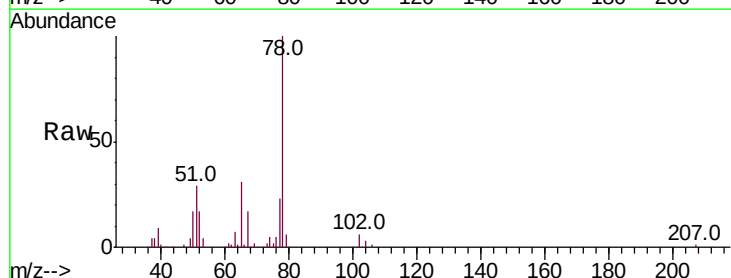


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

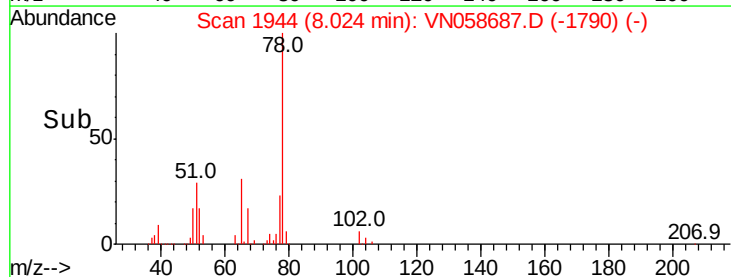
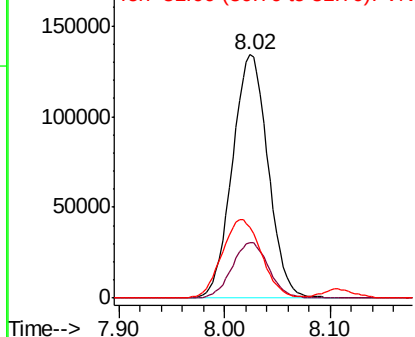


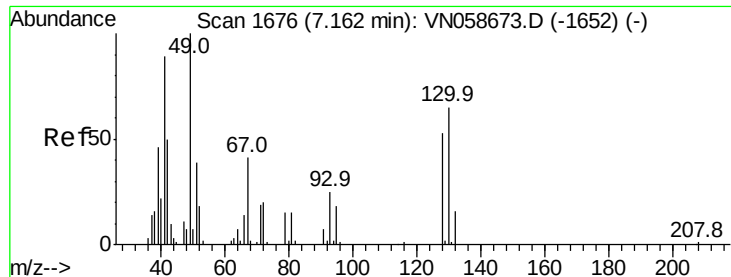
#34
Benzene
Concen: 20.724 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 78 Resp: 315872
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8
51 28.6 22.1 33.1



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

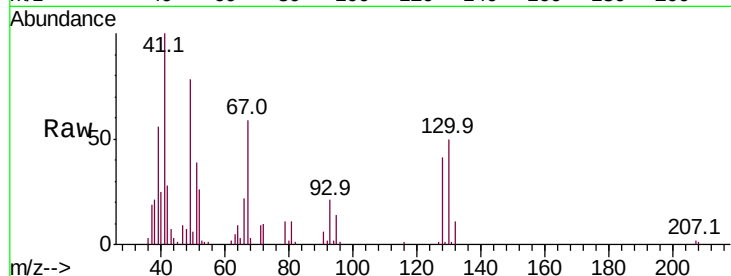




#35
Methacrylonitrile
Concen: 18.053 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	46657
Ion	Ratio	Lower	Upper
41	100		
39	56.6	25.8	77.4
67	59.0	23.0	69.0
52	25.8	10.1	30.1



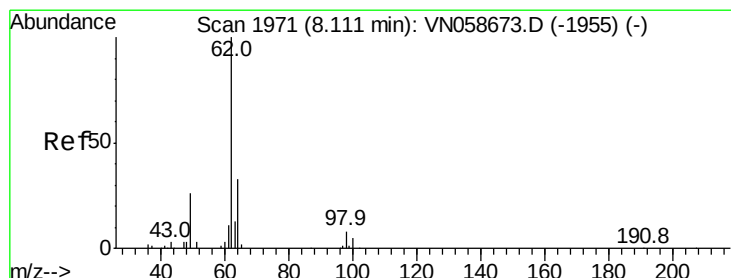
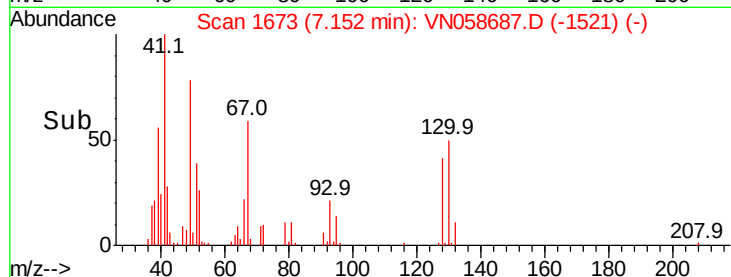
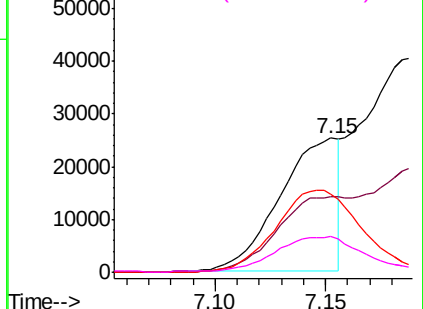
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

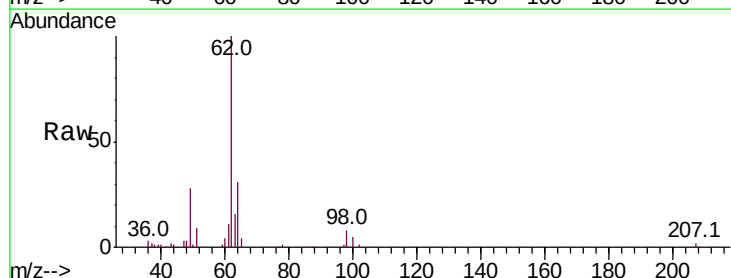
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 21.052 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

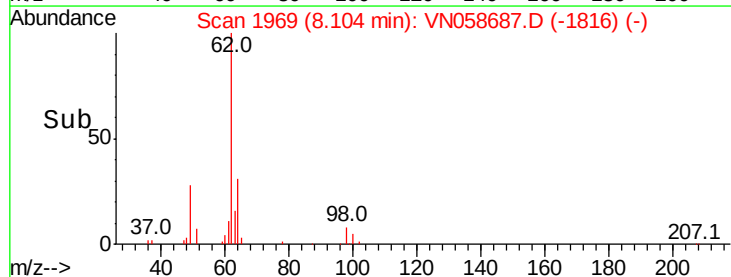
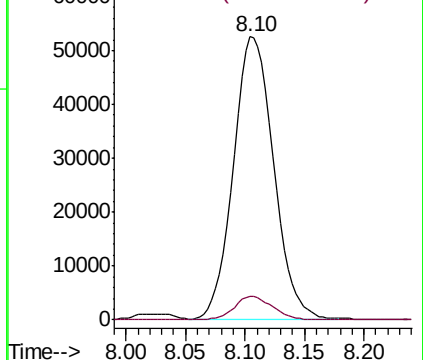
Tgt Ion:	62	Resp:	122679
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.4	9.6

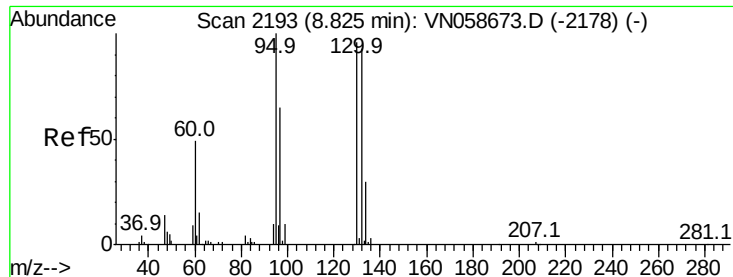


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.494 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

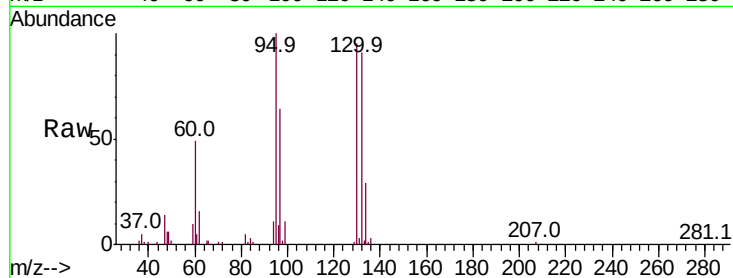
ClientSampleId :

Tot Ion:130 Resp: 76738

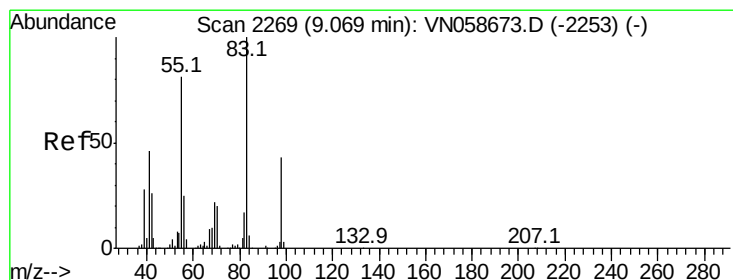
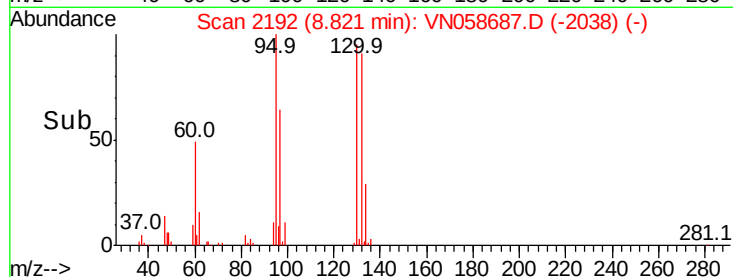
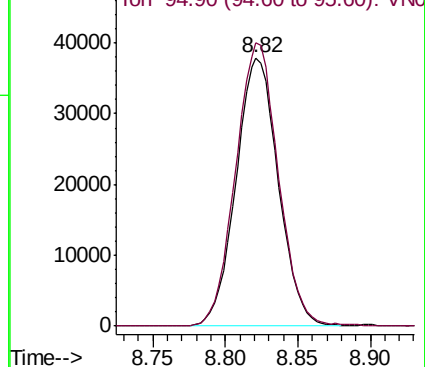
Ion Ratio Lower Upper

130 100

95 105.6 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): VN058687.D (-2178) (-)



#38

Methylcyclohexane

Concen: 19.801 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

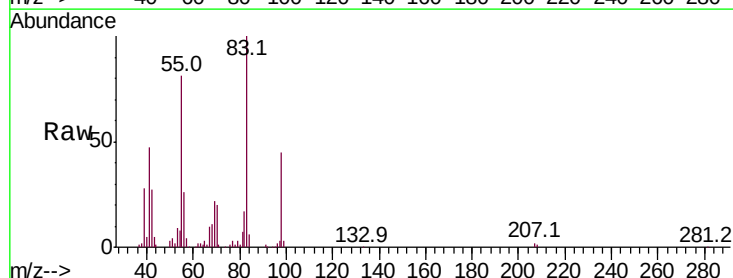
Tgt Ion: 83 Resp: 118858

Ion Ratio Lower Upper

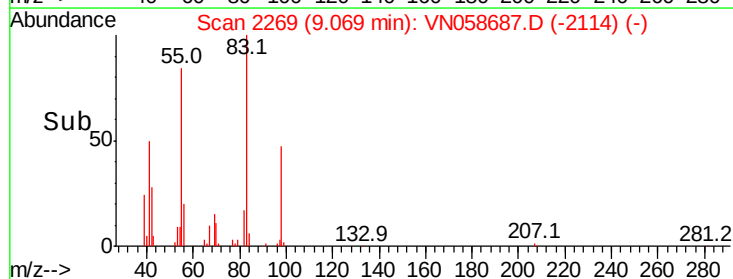
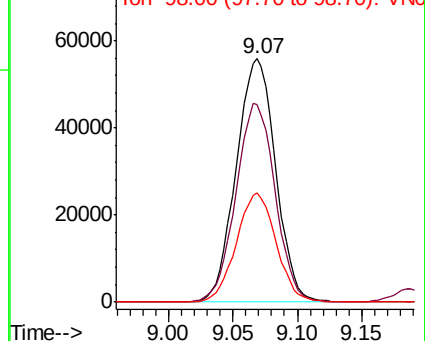
83 100

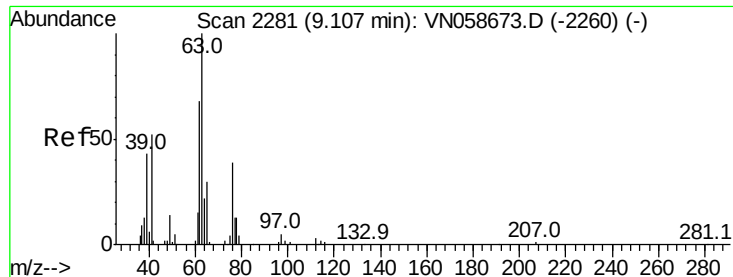
55 81.4 40.4 121.1

98 45.0 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN058687.D (-2114) (-)

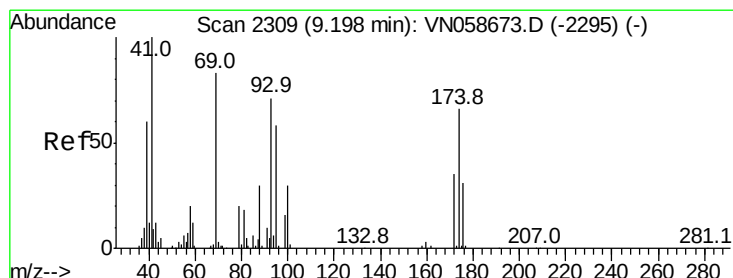
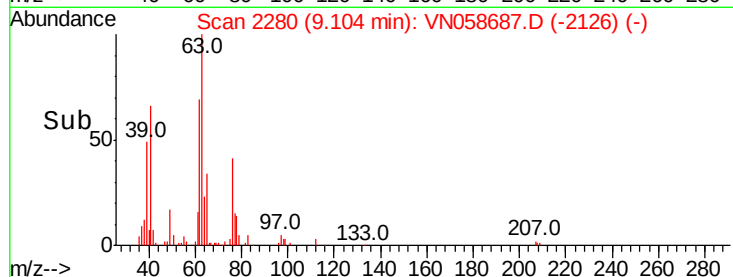
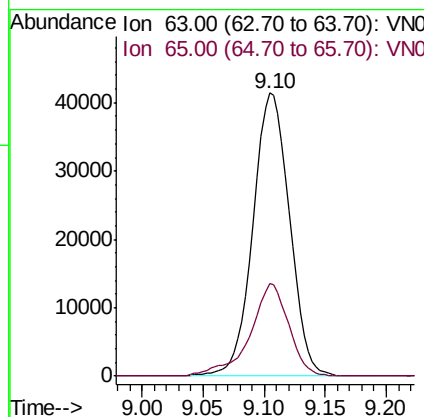
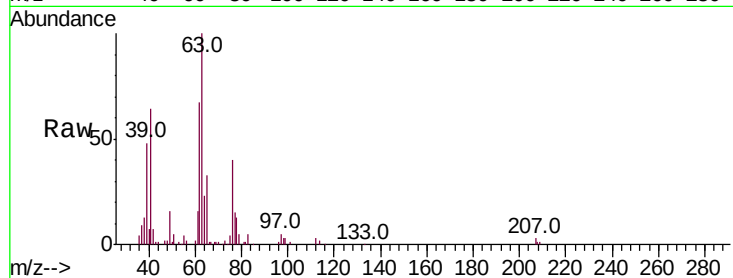




#39
 1,2-Dichloropropane
 Concen: 20.613 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

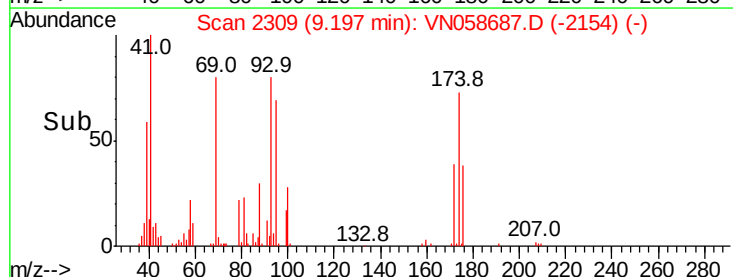
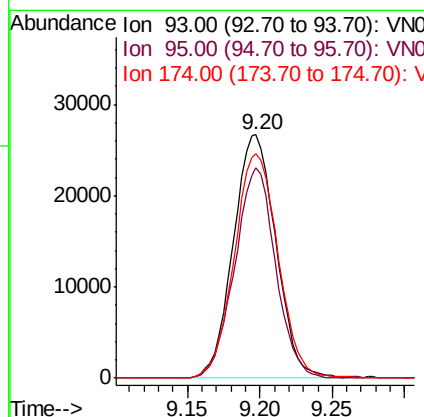
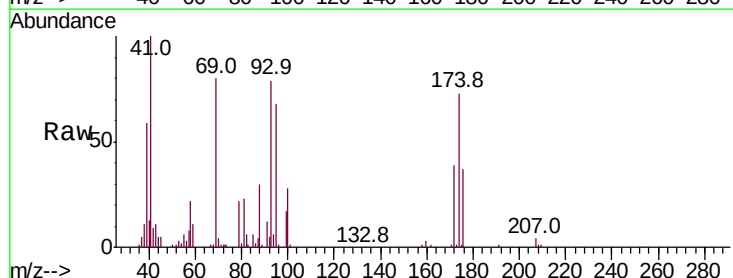
Instrument :
 MSVOA_N
 ClientSampleId :

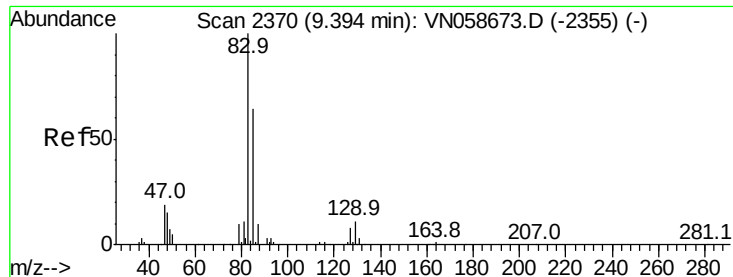
Tot Ion: 63 Resp: 85861
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.8 35.6



#40
 Dibromomethane
 Concen: 20.736 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion: 93 Resp: 54525
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 167.6
 174 94.6 0.0 187.2





#41

Bromodichloromethane

Concen: 20.659 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :
MSVOA_N
ClientSampleId :

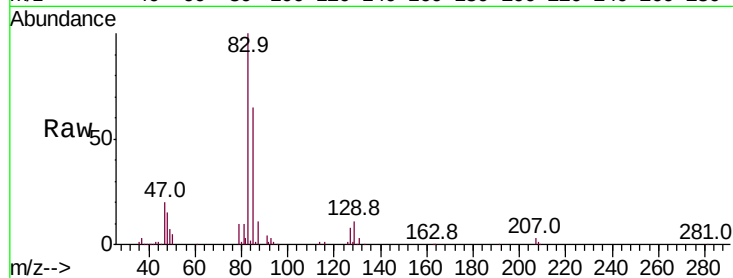
Tot Ion: 83 Resp: 110978

Ion Ratio Lower Upper

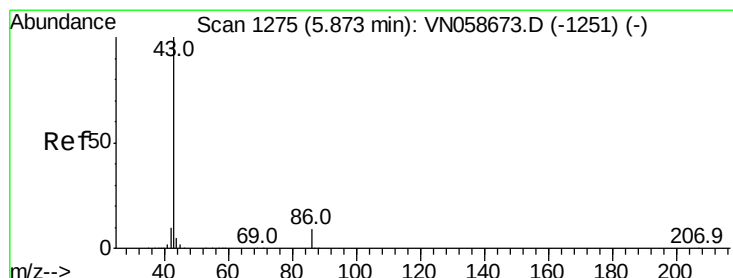
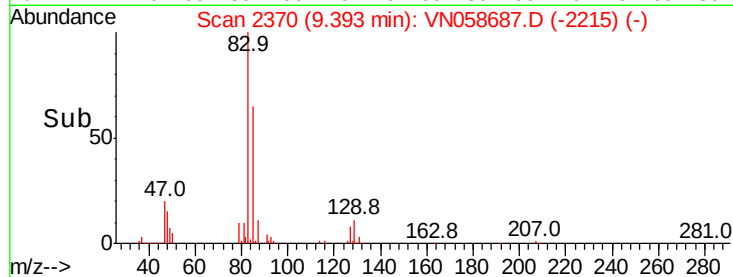
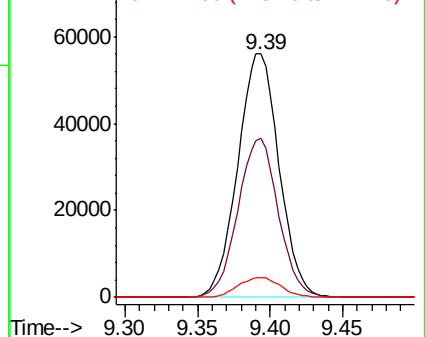
83 100

85 65.1 51.0 76.4

127 8.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 106.032 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058687.D

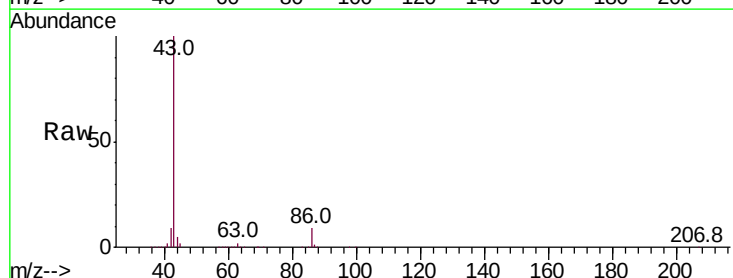
Acq: 11 Oct 2019 8:43

Tgt Ion: 43 Resp: 1086437

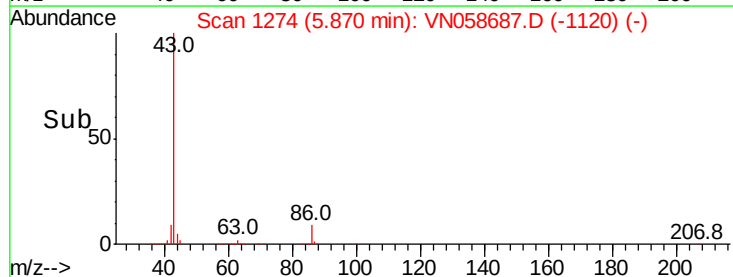
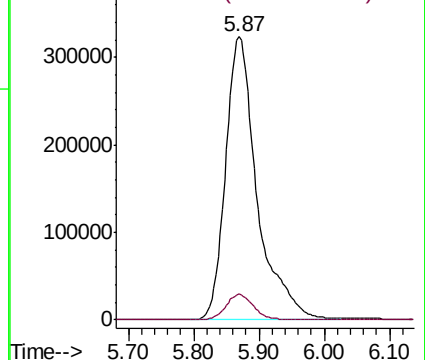
Ion Ratio Lower Upper

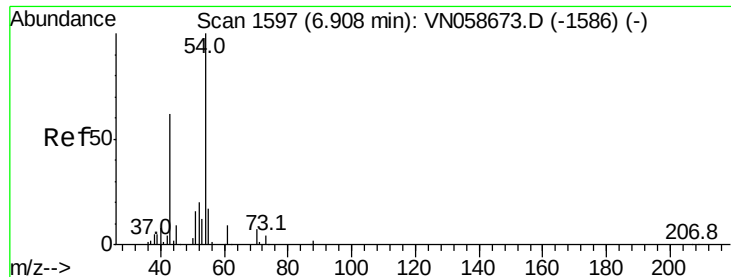
43 100

86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.267 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

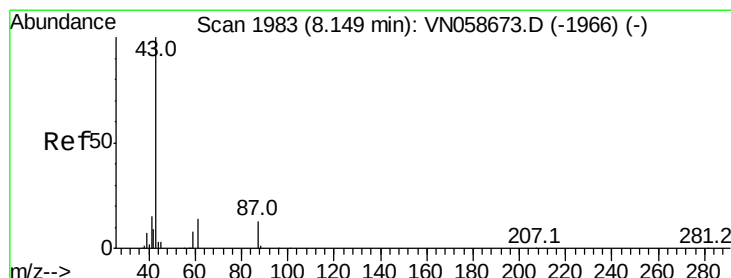
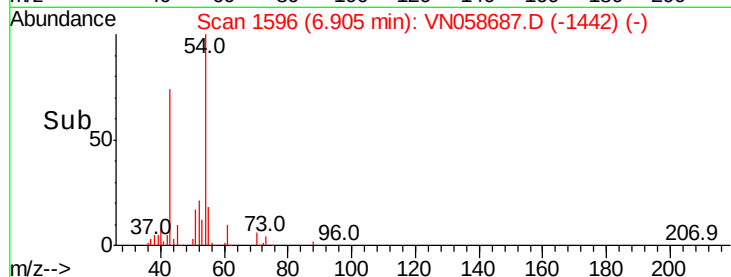
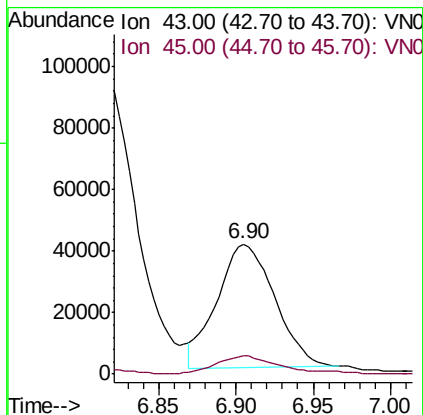
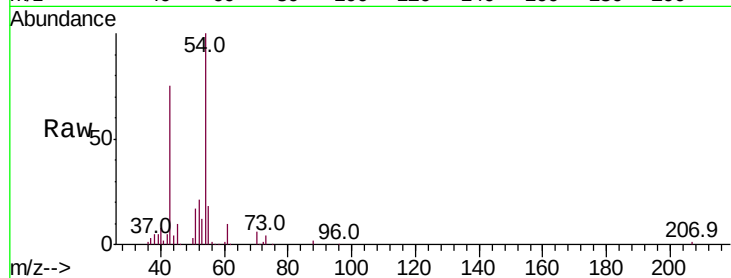
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 104897

Ion Ratio Lower Upper

43 100

45 14.3 9.7 14.5



#44

Isopropyl Acetate

Concen: 20.174 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058687.D

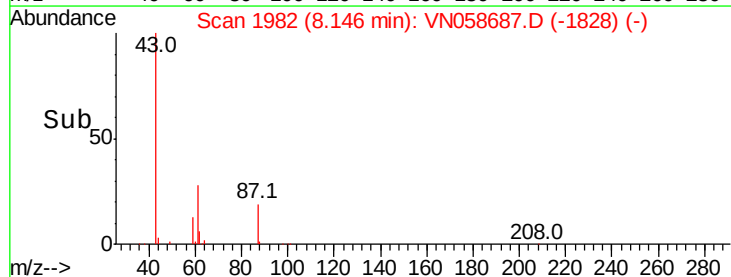
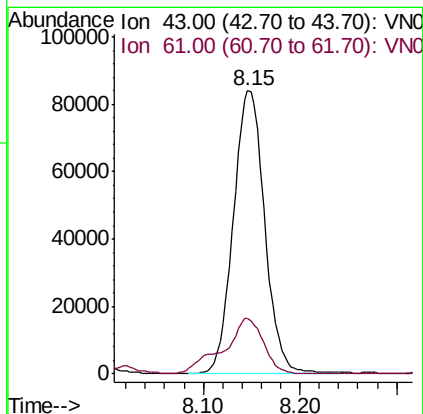
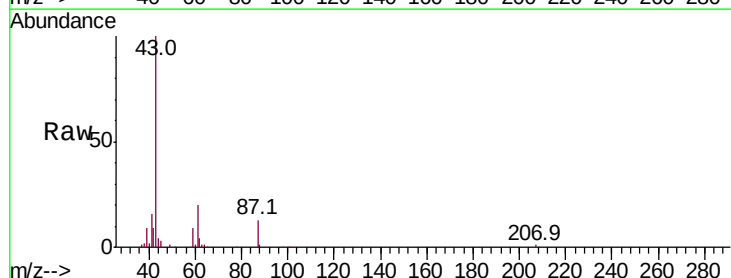
Acq: 11 Oct 2019 8:43

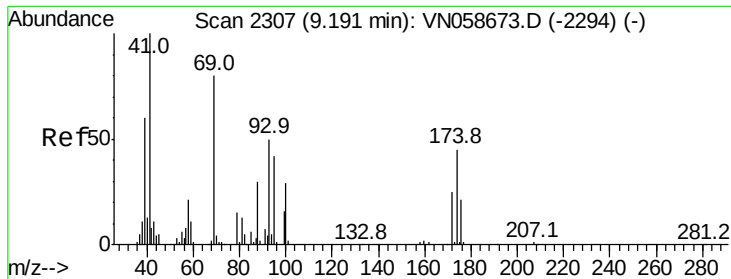
Tgt Ion: 43 Resp: 187648

Ion Ratio Lower Upper

43 100

61 24.8 19.9 29.9

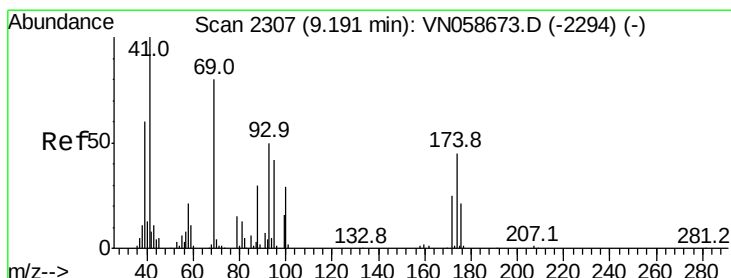
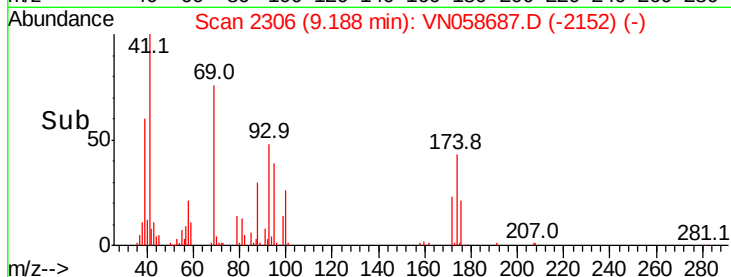
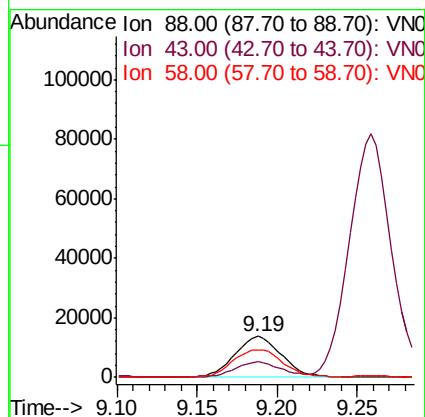
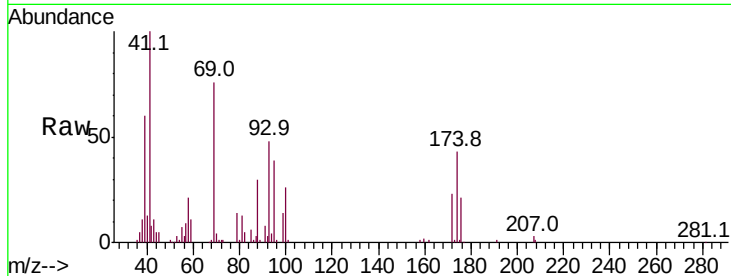




#45
 1,4-Dioxane
 Concen: 387.113 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

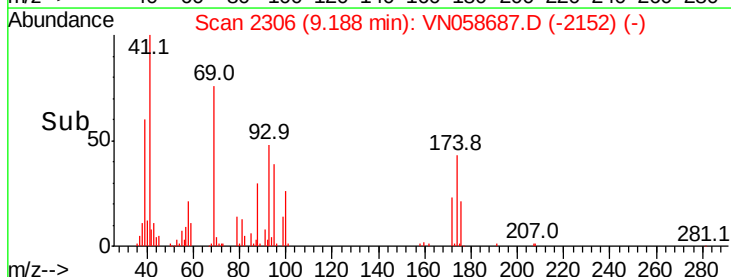
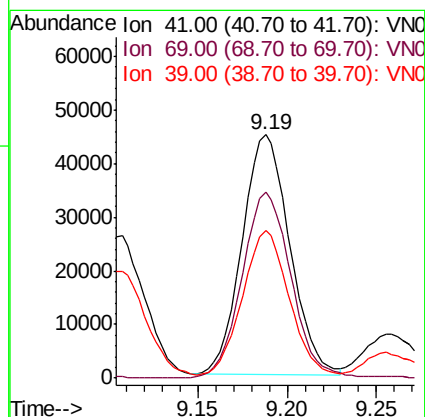
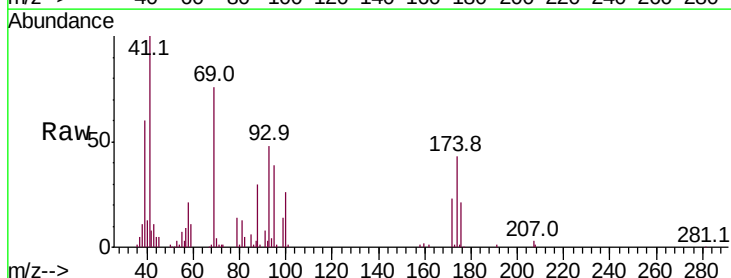
Instrument :
 MSVOA_N
 ClientSampled :

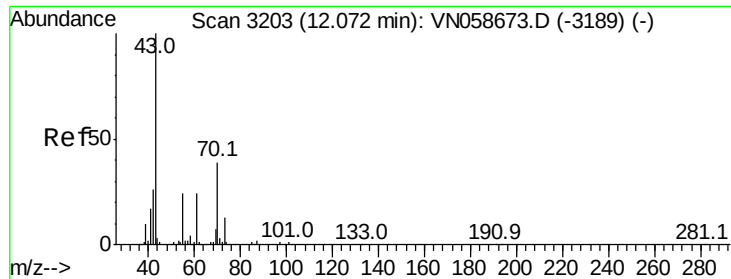
Tot Ion: 88 Resp: 27649
 Ion Ratio Lower Upper
 88 100
 43 35.5 29.8 44.8
 58 72.1 58.2 87.4



#46
 Methyl methacrylate
 Concen: 19.614 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion: 41 Resp: 83753
 Ion Ratio Lower Upper
 41 100
 69 77.6 40.2 120.5
 39 59.6 29.9 89.8





#47

n-amvl Acetate

Concen: 19.406 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

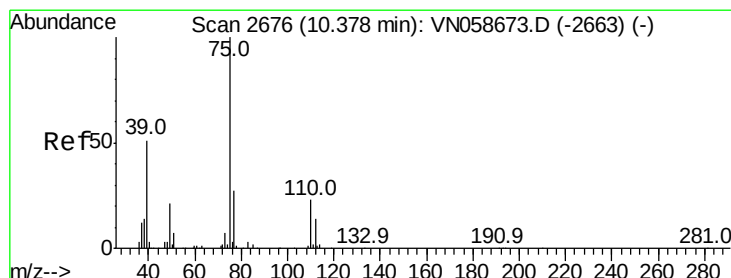
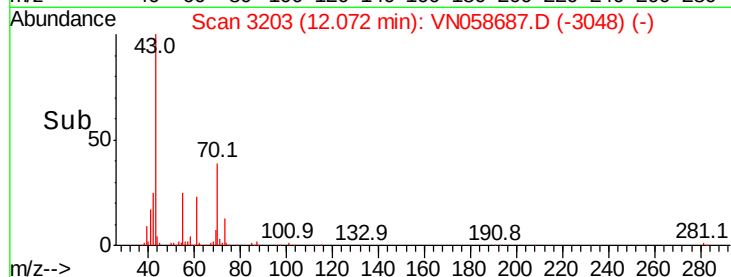
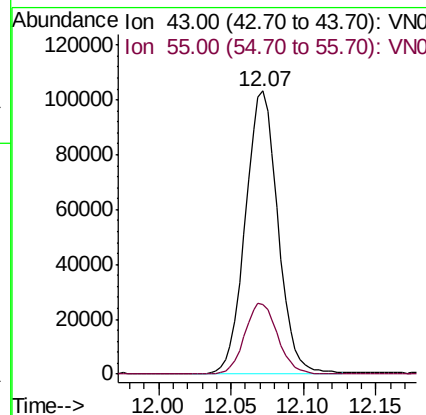
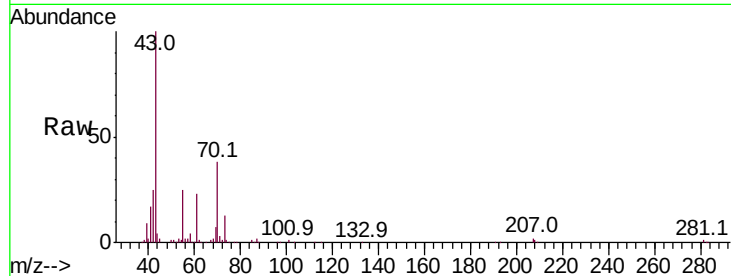
ClientSampleId :

Tot Ion: 43 Resp: 160015

Ion Ratio Lower Upper

43 100

55 25.6 19.6 29.4



#48

t-1,3-Dichloropropene

Concen: 20.046 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058687.D

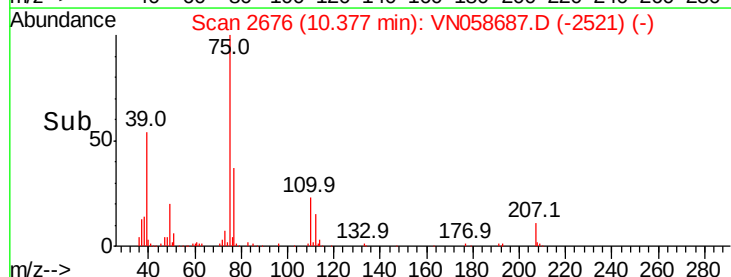
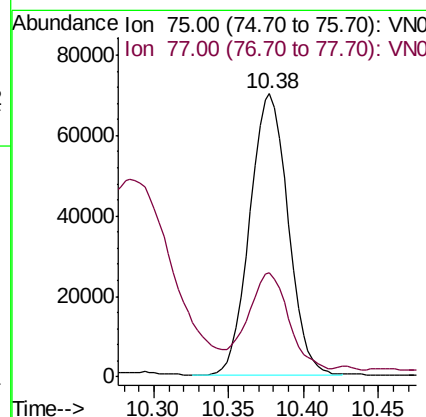
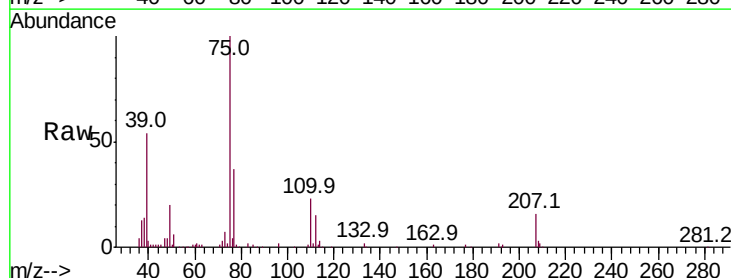
Acq: 11 Oct 2019 8:43

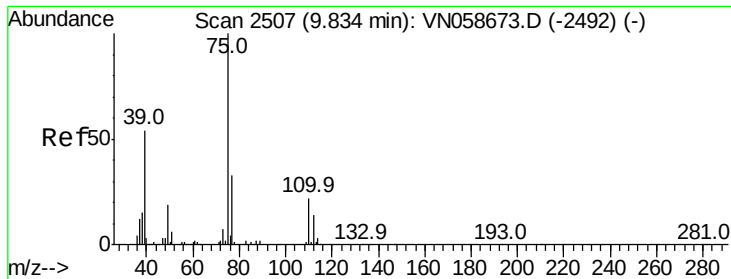
Tgt Ion: 75 Resp: 124892

Ion Ratio Lower Upper

75 100

77 33.0 27.0 40.4



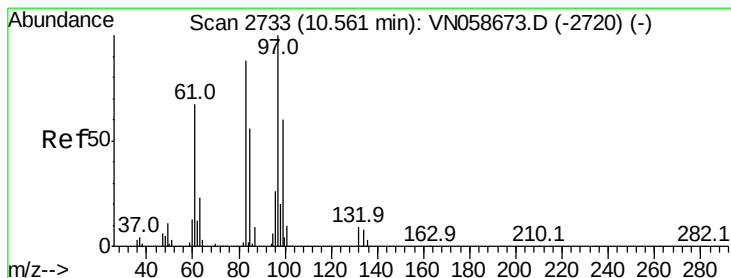
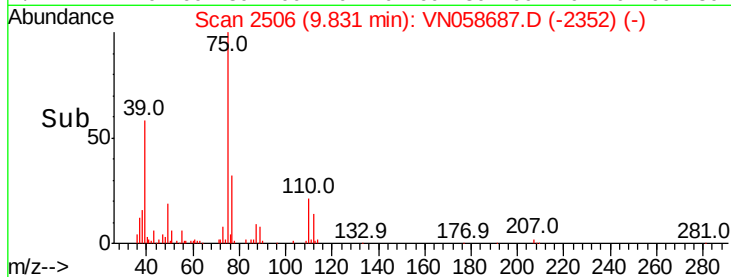
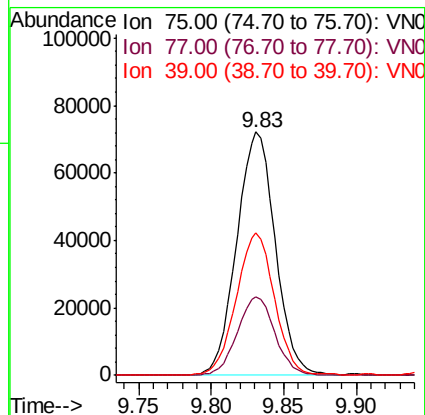
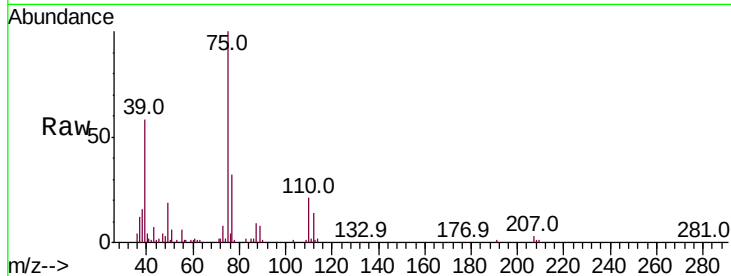


#49

cis-1,3-Dichloropropene
 Concen: 20.336 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :

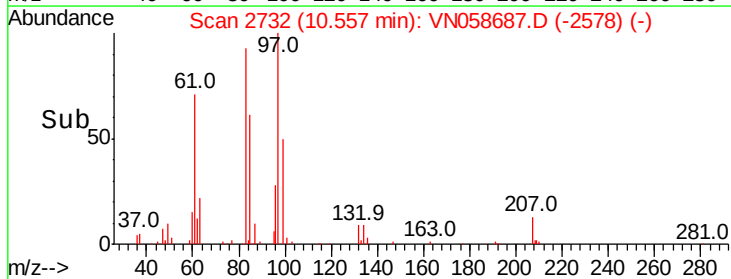
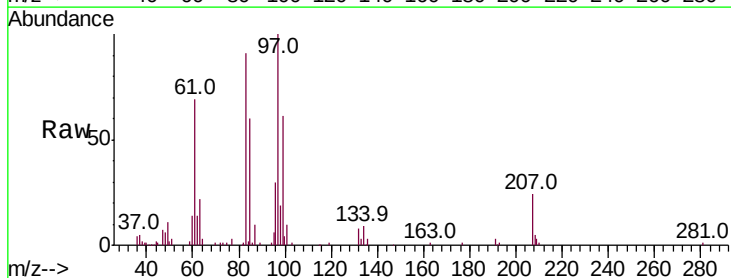
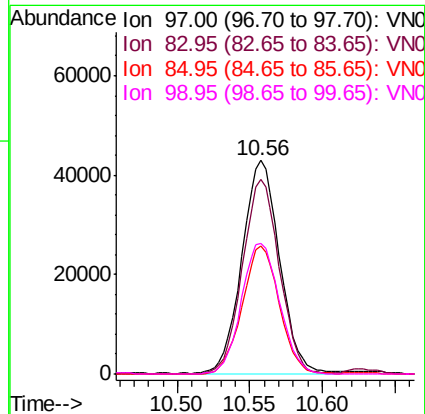
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.1	39.1
39	58.2	43.1	64.7

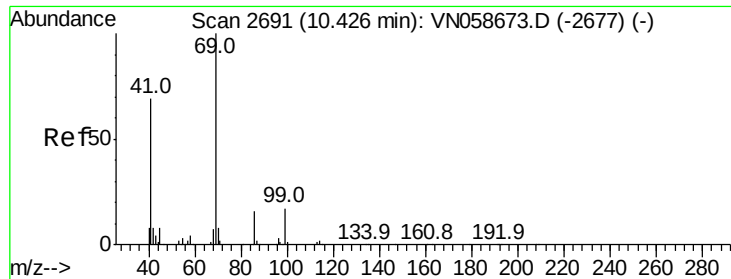


#50

1,1,2-Trichloroethane
 Concen: 20.838 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.7	106.1
85	60.0	45.1	67.7
99	61.4	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.268 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

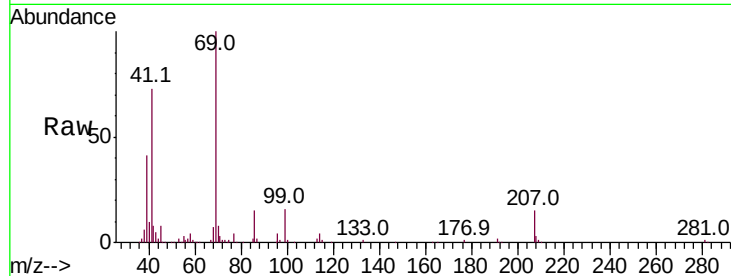
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 69 Resp: 115653

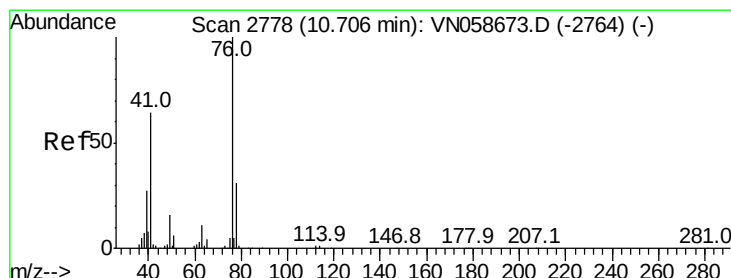
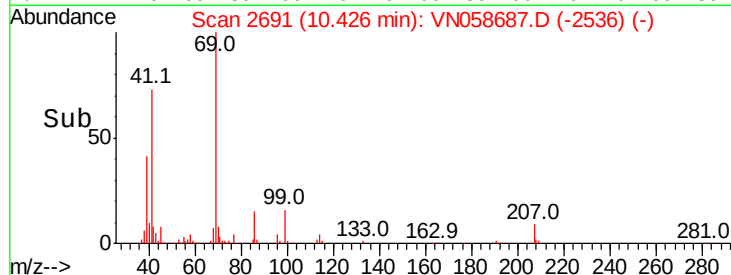
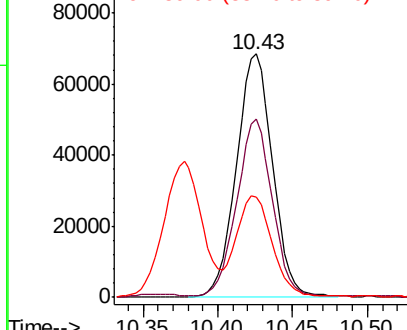
Ion	Ratio	Lower	Upper
69	100		
41	72.6	34.7	104.1
39	40.7	20.3	60.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.528 ug/l

RT: 10.70 min Scan# 2777

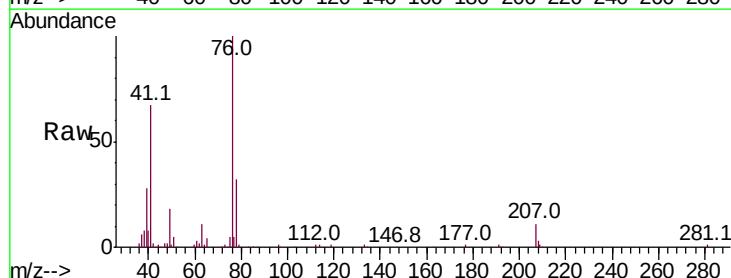
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

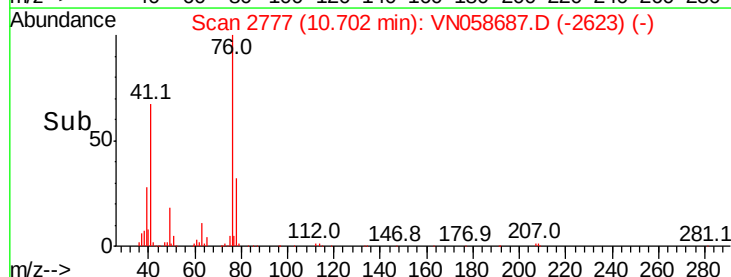
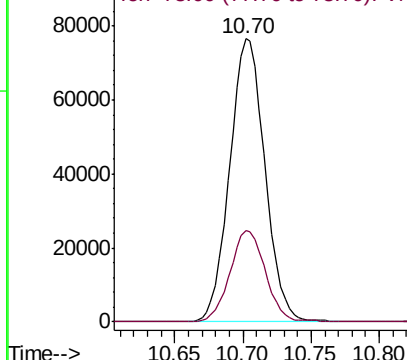
Tgt Ion: 76 Resp: 137234

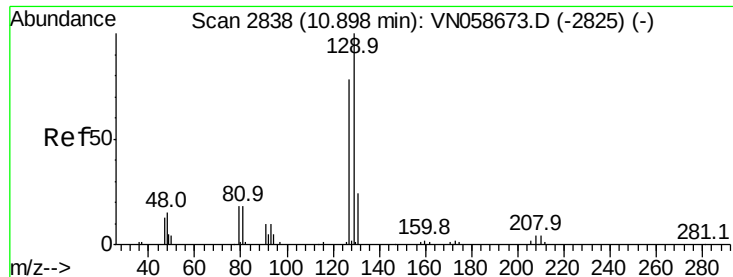
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.141 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

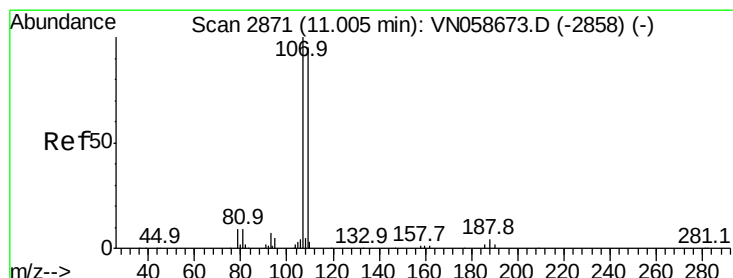
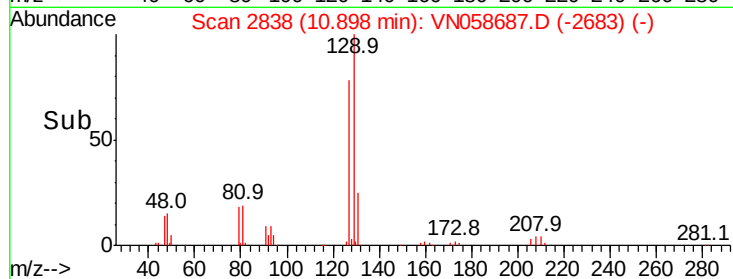
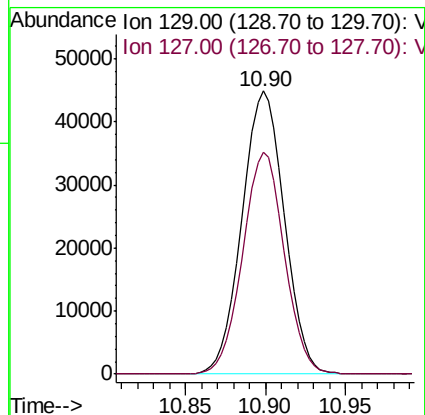
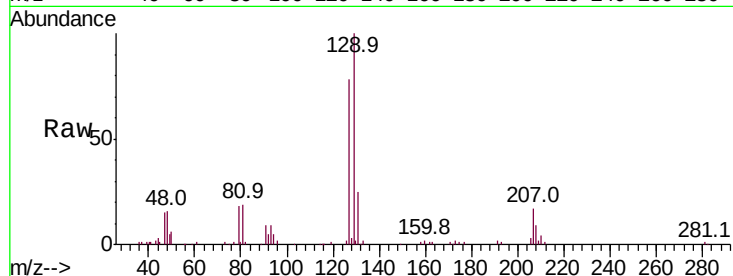
ClientSampled :

Tot Ion:129 Resp: 81140

Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.5



#54

1,2-Dibromoethane

Concen: 20.604 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058687.D

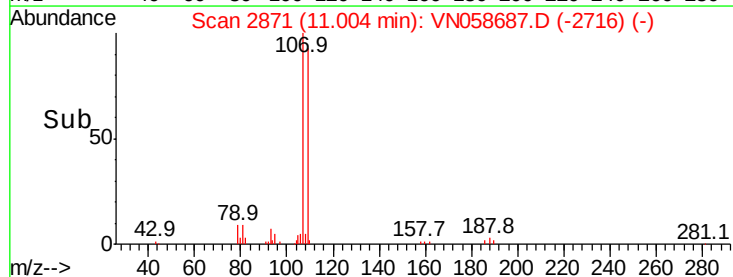
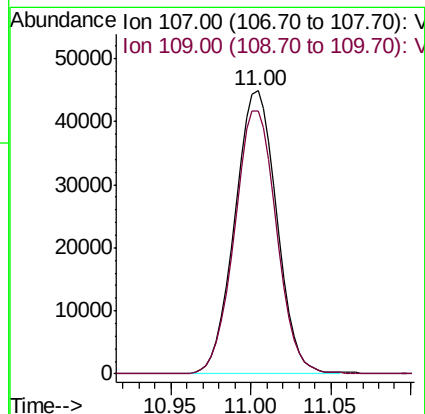
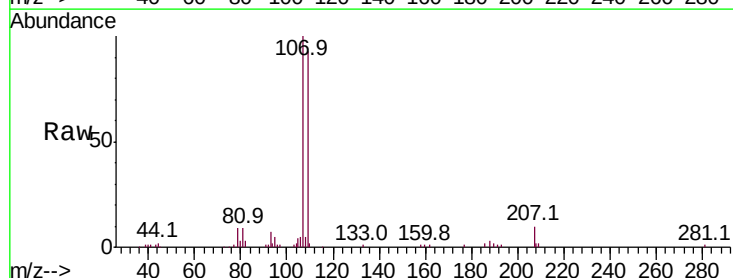
Acq: 11 Oct 2019 8:43

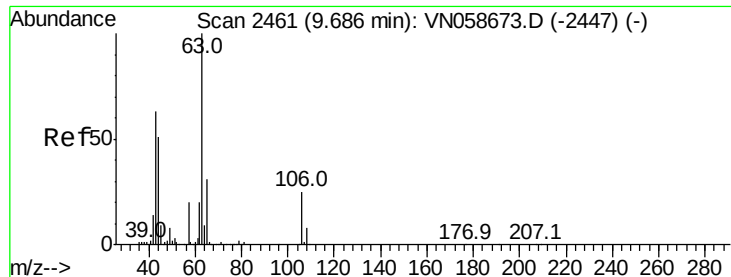
Tgt Ion:107 Resp: 80169

Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.4





#55

2-Chloroethyl vinyl ether

Concen: 112.647 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

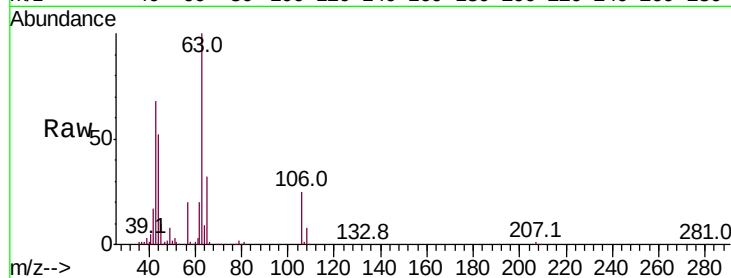
Tot Ion: 63 Resp: 336338

Ion Ratio Lower Upper

63 100

65 31.8 25.3 37.9

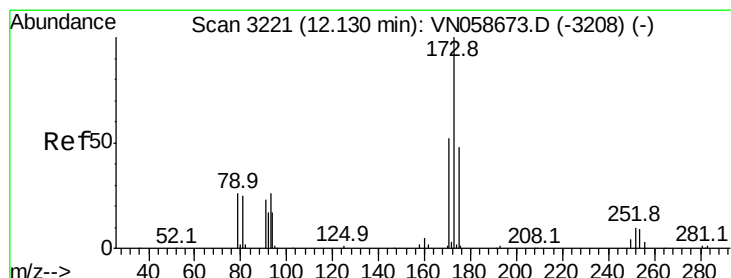
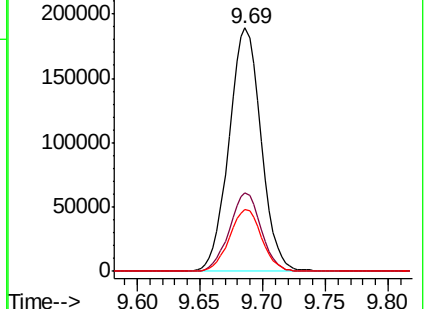
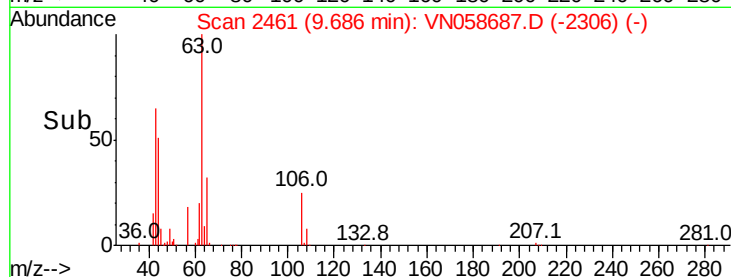
106 25.4 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN058687.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058687.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058687.D (-2447) (-)



#56

Bromoform

Concen: 19.617 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

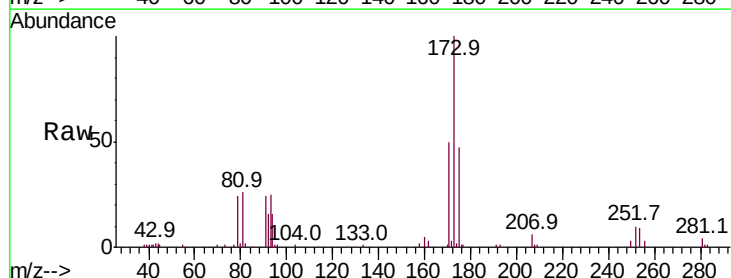
Tgt Ion: 173 Resp: 55051

Ion Ratio Lower Upper

173 100

175 47.9 38.7 58.1

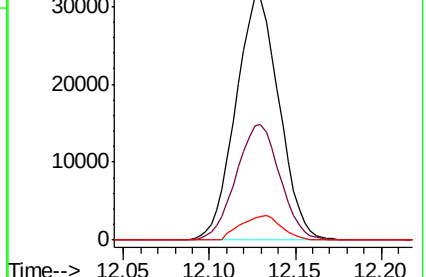
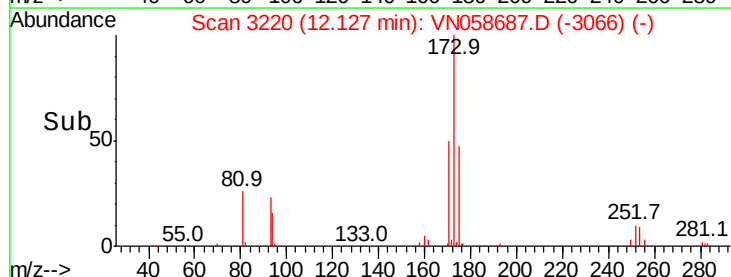
254 9.5 7.4 11.2

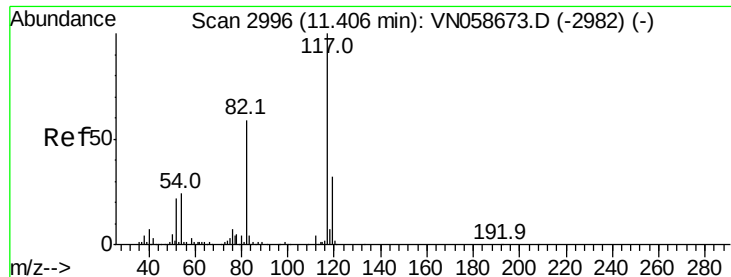


Abundance Ion 173.00 (172.70 to 173.70): VN058687.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058687.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058687.D (-3208) (-)

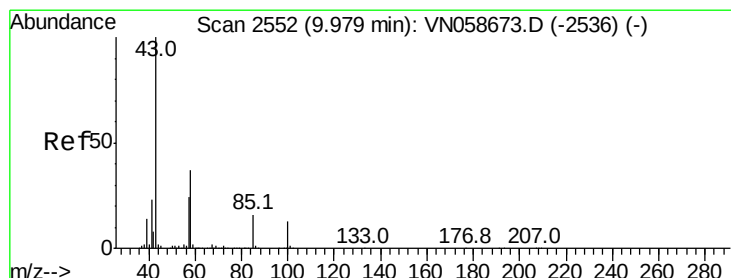
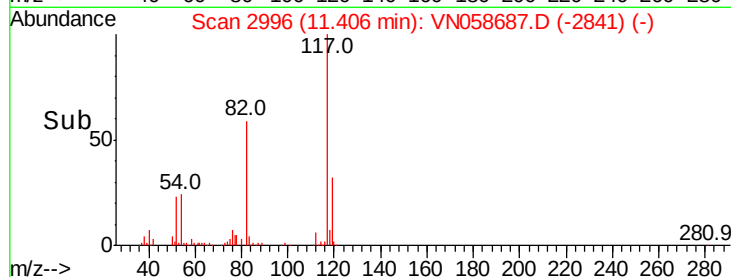
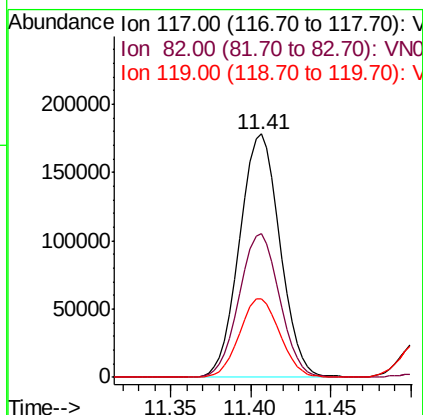
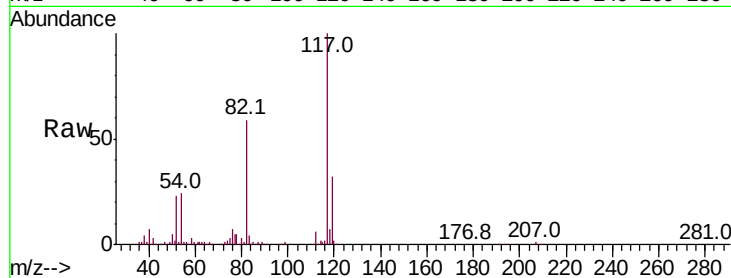




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

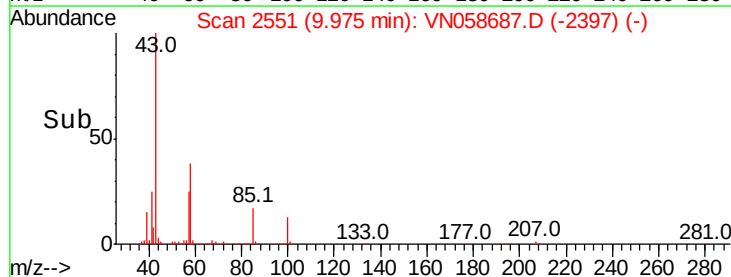
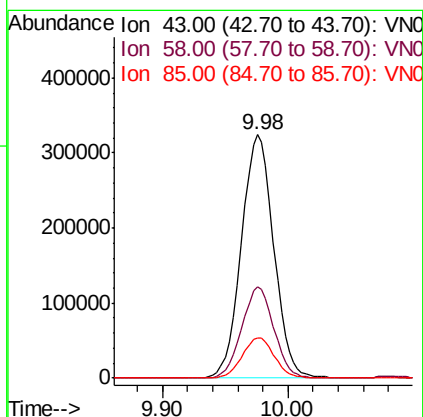
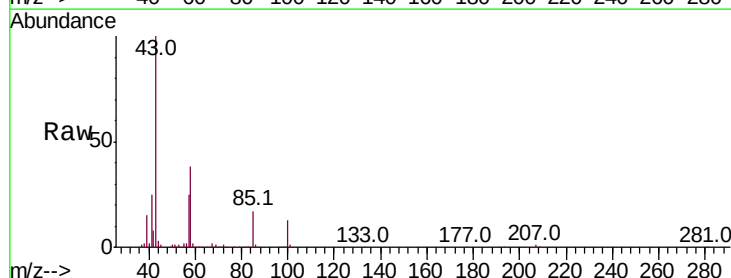
Instrument :
MSVOA_N
ClientSampleId :

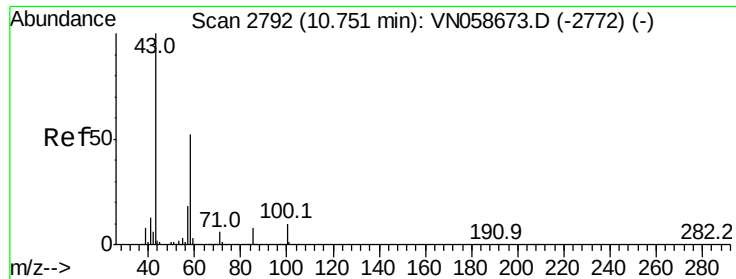
Tot Ion:117 Resp: 307446
Ion Ratio Lower Upper
117 100
82 59.1 46.9 70.3
119 32.2 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 103.561 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 43 Resp: 580838
Ion Ratio Lower Upper
43 100
58 37.3 30.1 45.1
85 16.5 13.2 19.8

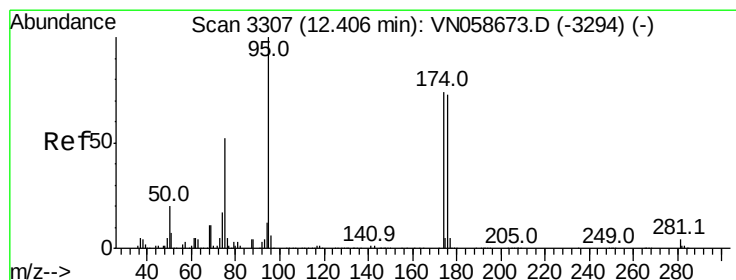
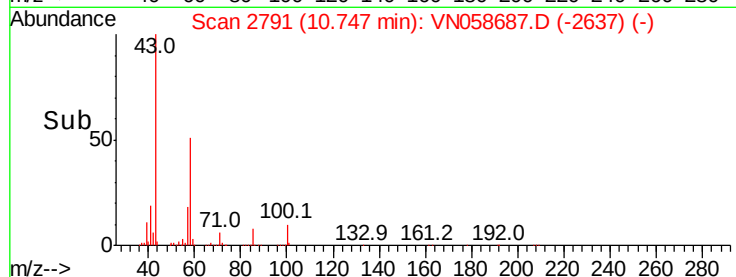
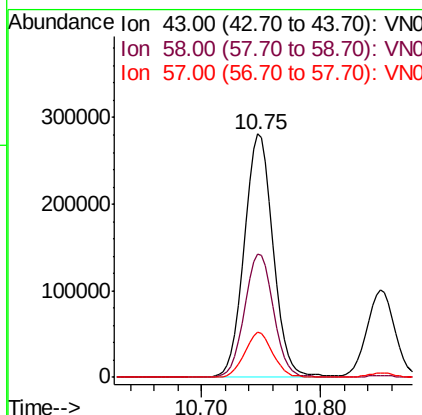
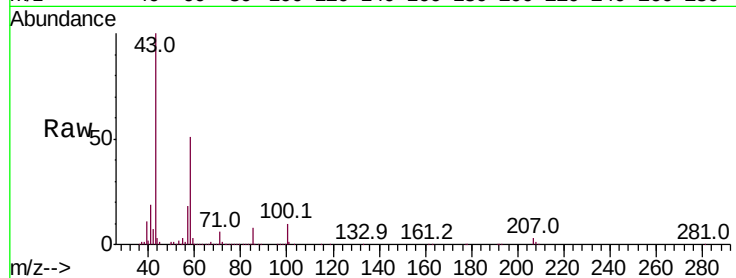




#59
2-Hexanone
Concen: 107.398 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

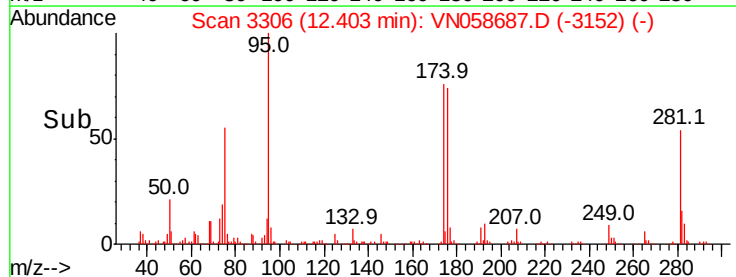
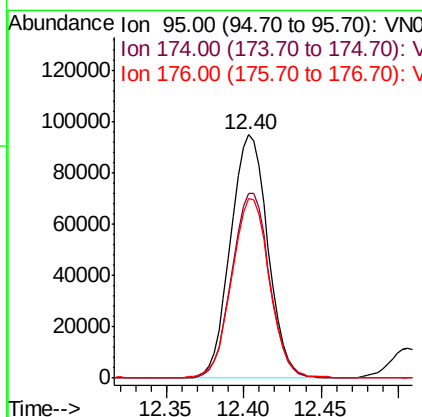
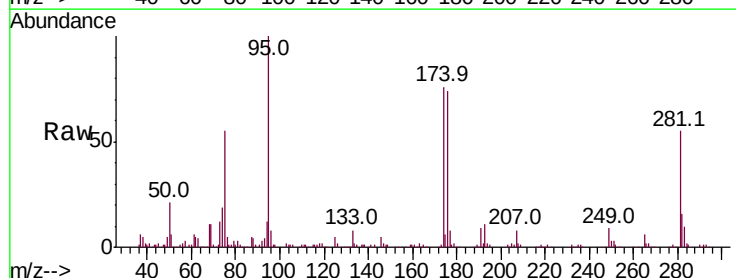
Instrument :
MSVOA_N
ClientSampleId :

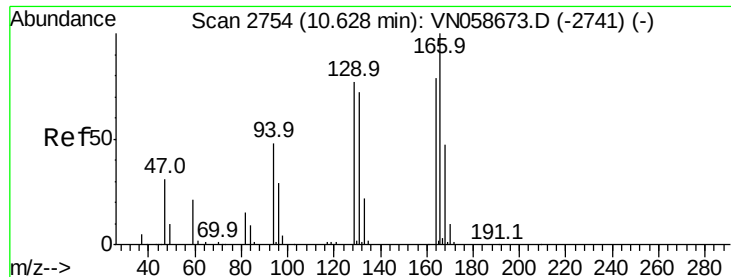
Tot Ion: 43 Resp: 472227
Ion Ratio Lower Upper
43 100
58 51.0 41.4 62.0
57 18.0 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.551 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion: 95 Resp: 158925
Ion Ratio Lower Upper
95 100
174 76.7 59.9 89.9
176 74.2 58.3 87.5





#61

Tetrachloroethene

Concen: 20.855 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

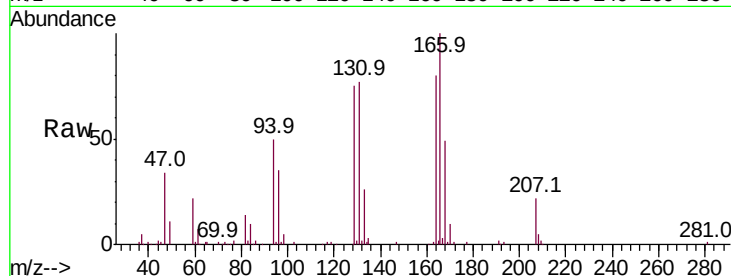
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 69287

Ion	Ratio	Lower	Upper
164	100		
166	124.7	101.4	152.2
129	94.2	78.1	117.1
131	96.5	73.2	109.8

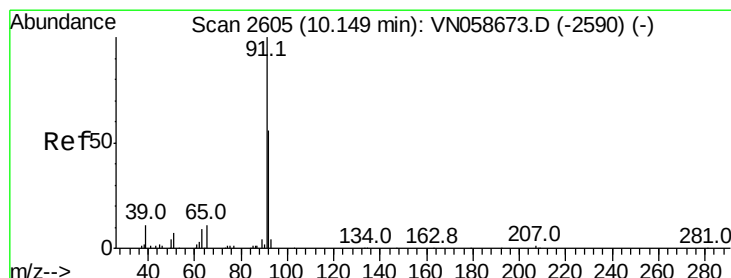
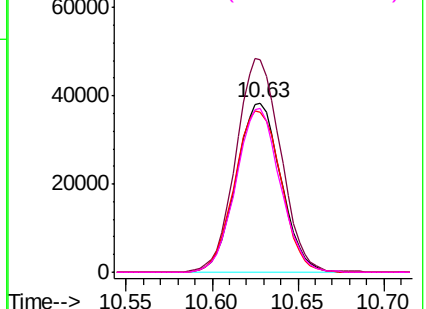
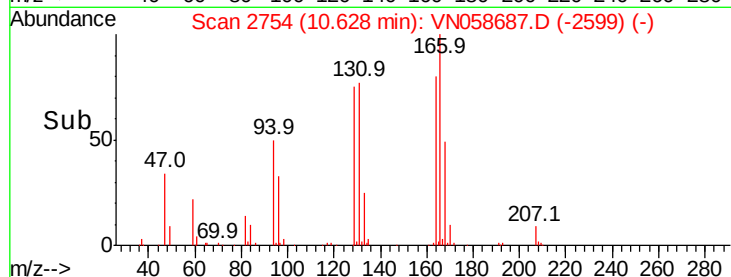


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.229 ug/l

RT: 10.15 min Scan# 2604

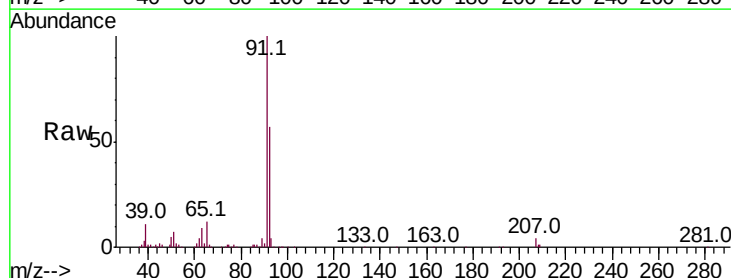
Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

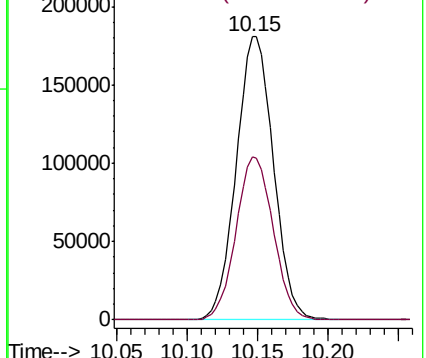
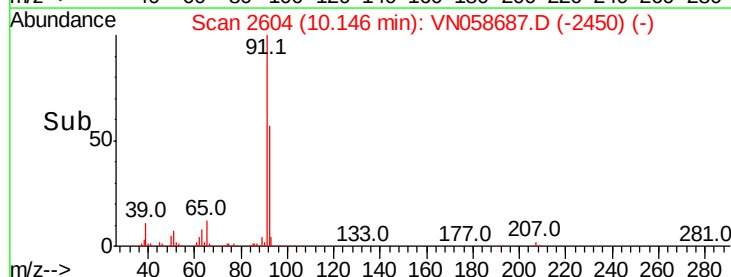
Tgt Ion: 91 Resp: 334536

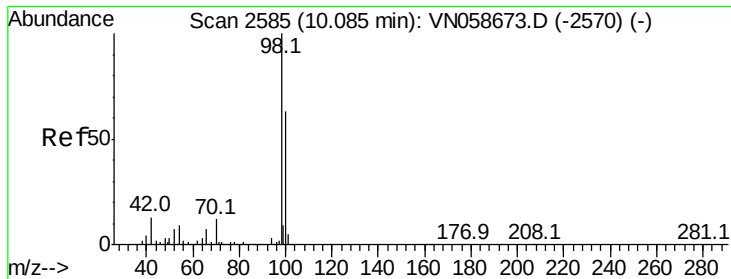
Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.4	68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.607 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

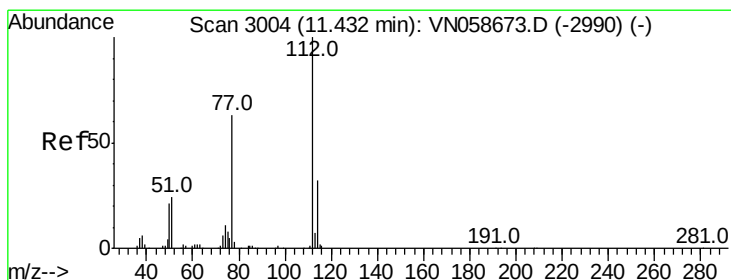
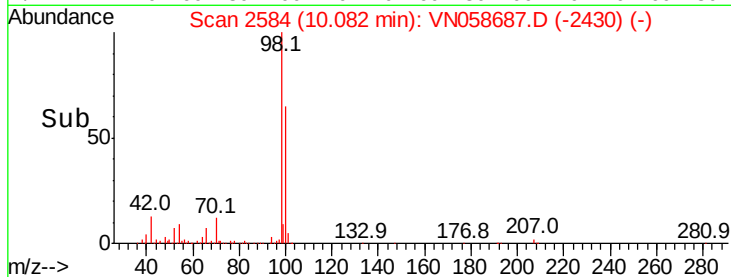
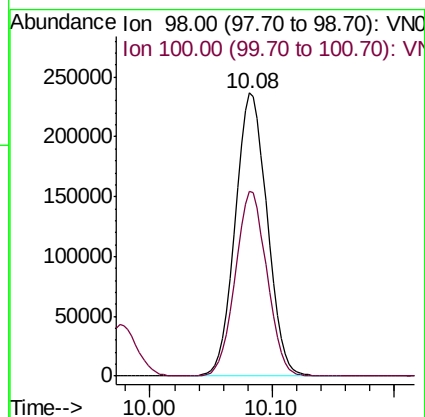
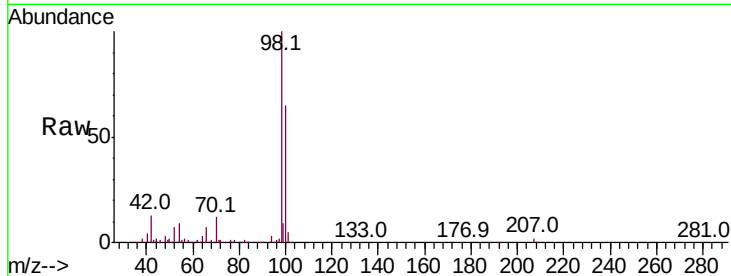
ClientSampled :

Tot Ion: 98 Resp: 429788

Ion Ratio Lower Upper

98 100

100 64.4 50.6 75.8



#64

Chlorobenzene

Concen: 20.156 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058687.D

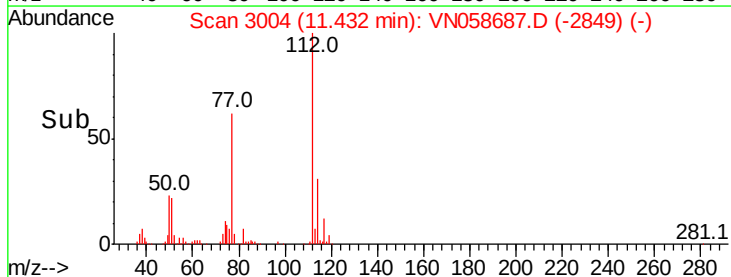
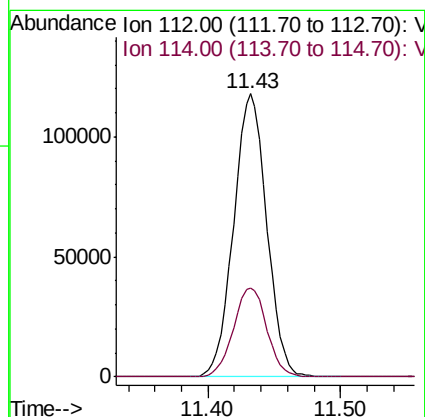
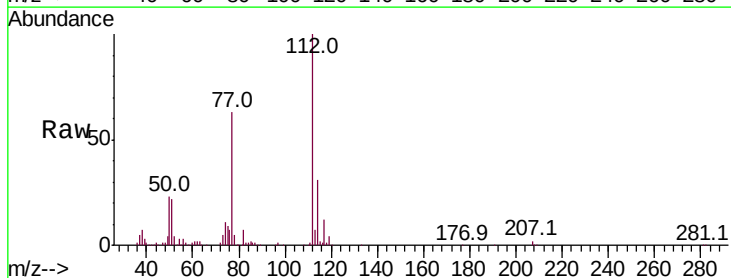
Acq: 11 Oct 2019 8:43

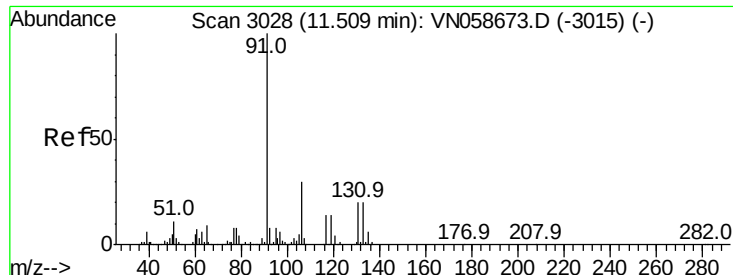
Tgt Ion: 112 Resp: 203799

Ion Ratio Lower Upper

112 100

114 31.5 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 19.969 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

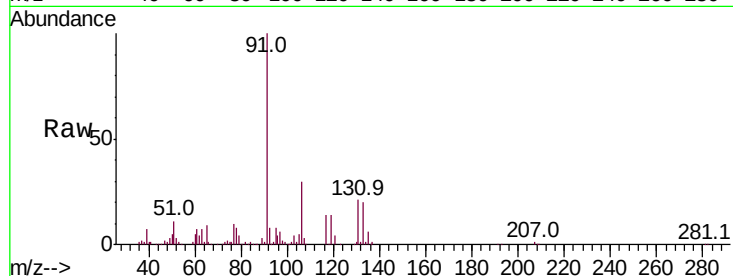
Tot Ion:131 Resp: 75708

Ion Ratio Lower Upper

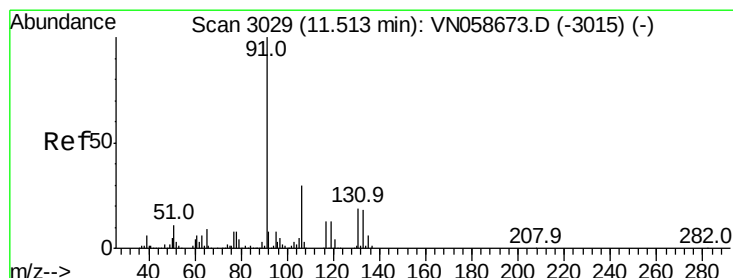
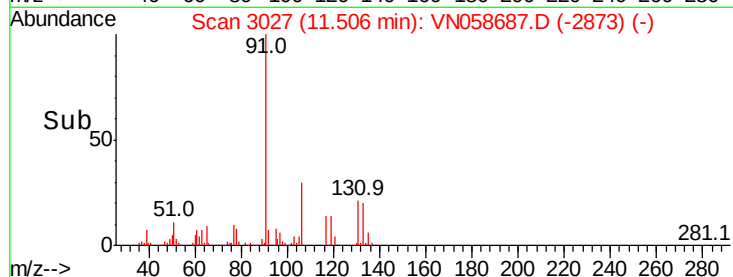
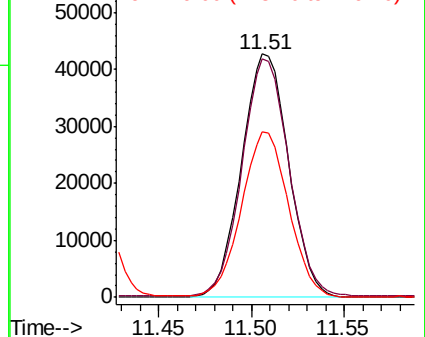
131 100

133 97.0 0.0 194.0

119 68.2 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.300 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058687.D

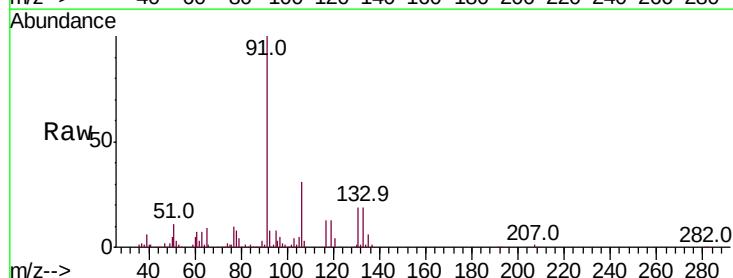
Acq: 11 Oct 2019 8:43

Tgt Ion: 91 Resp: 371732

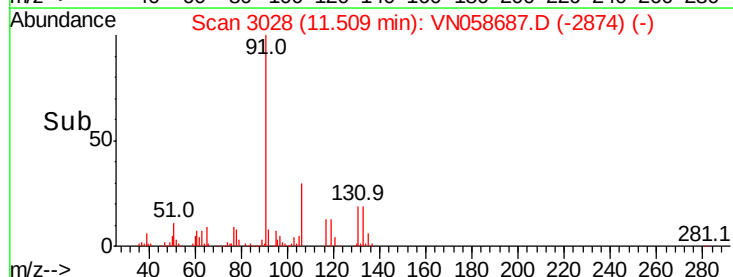
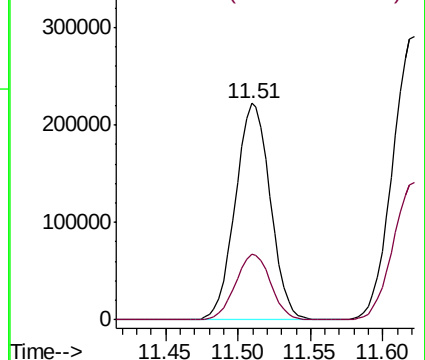
Ion Ratio Lower Upper

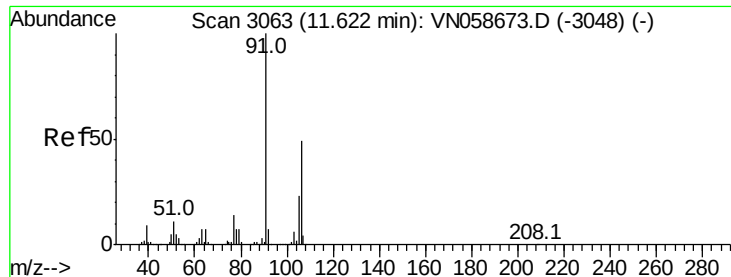
91 100

106 30.5 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

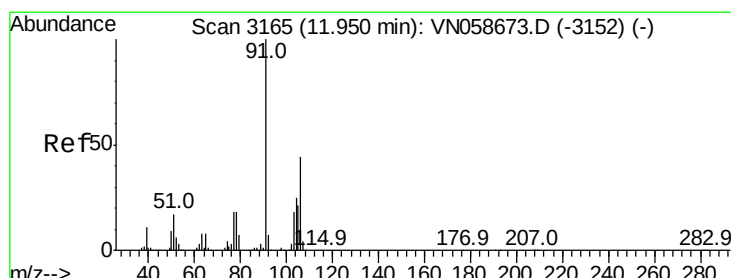
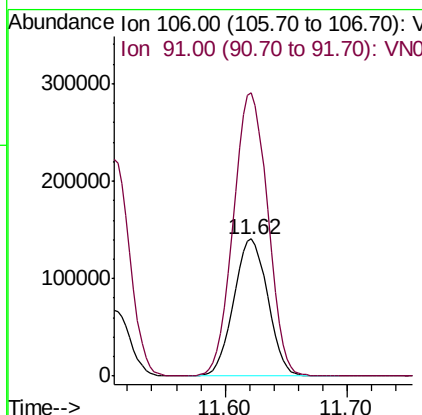
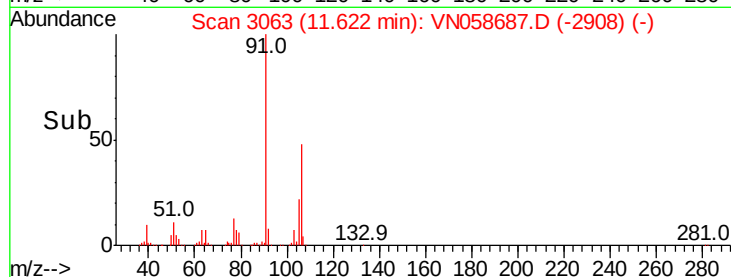
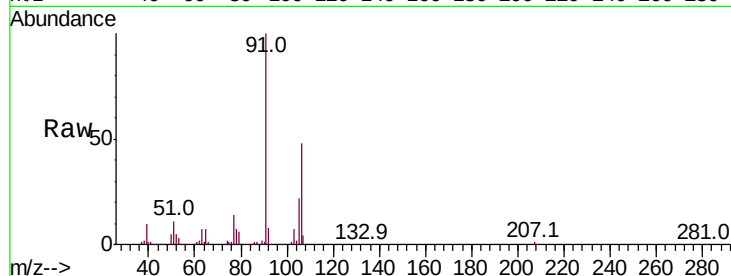




#67
m/p-Xylenes
Concen: 39.781 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

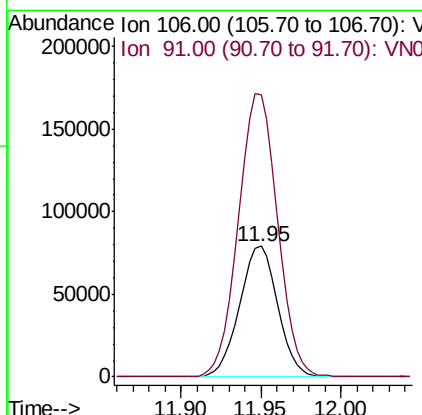
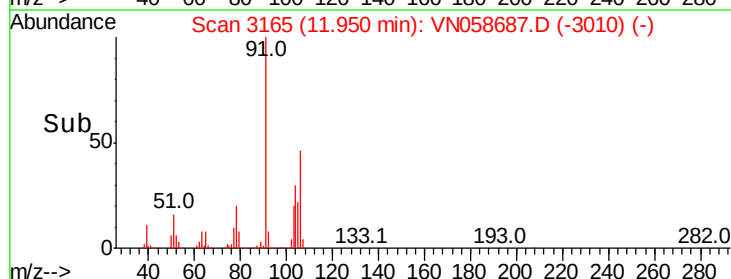
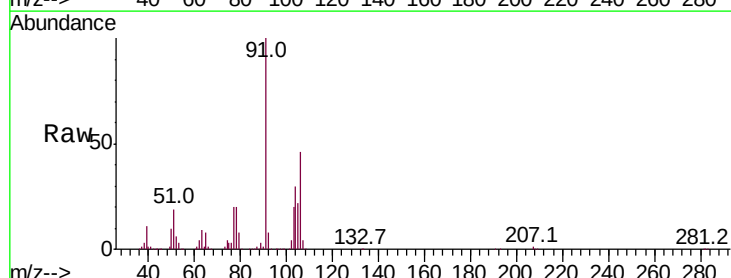
Instrument :
MSVOA_N
ClientSampleId :

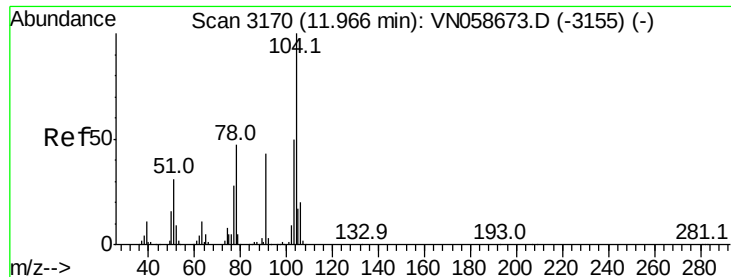
Tot Ion:106 Resp: 272159
Ion Ratio Lower Upper
106 100
91 208.3 165.6 248.4



#68
o-Xylene
Concen: 19.284 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion:106 Resp: 127901
Ion Ratio Lower Upper
106 100
91 223.4 109.8 329.4

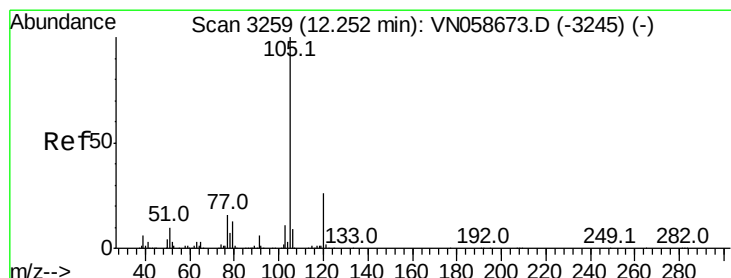
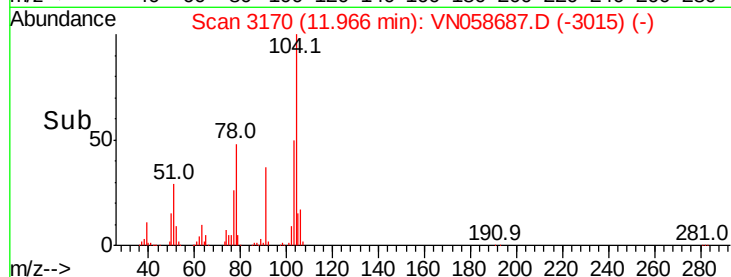
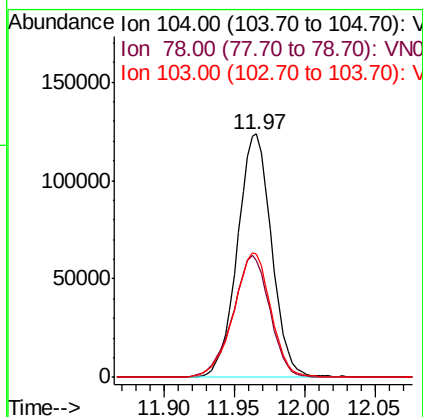
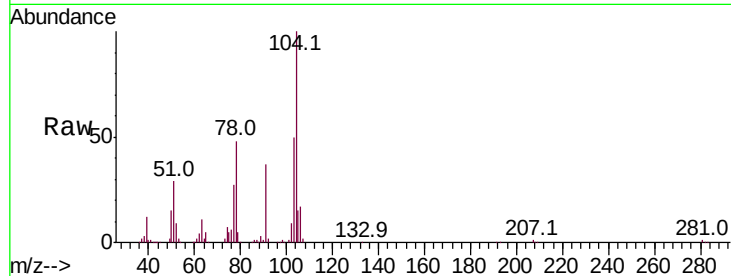




#69
Stvrene
Concen: 19.217 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

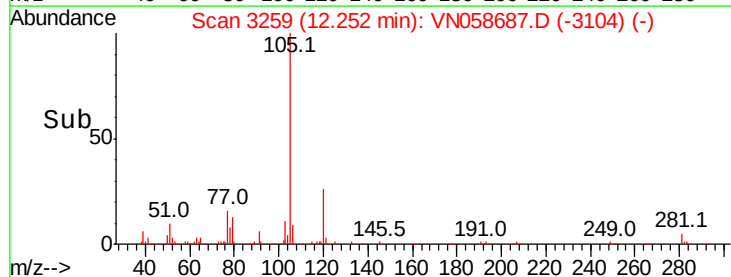
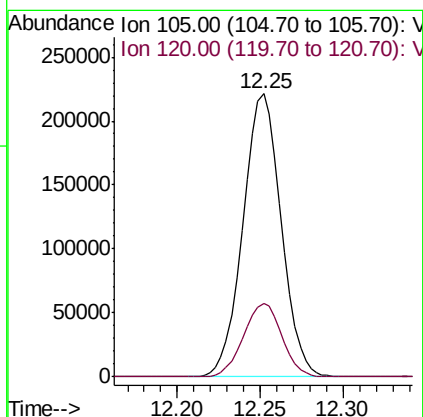
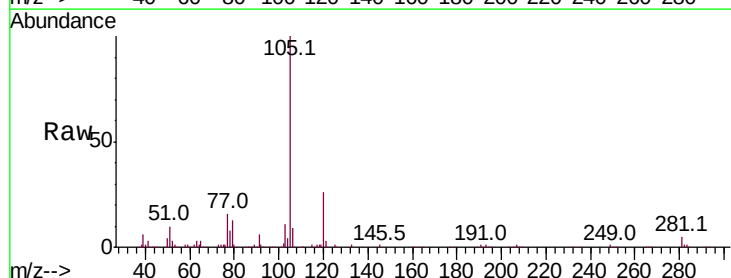
Instrument :
MSVOA_N
ClientSampleId :

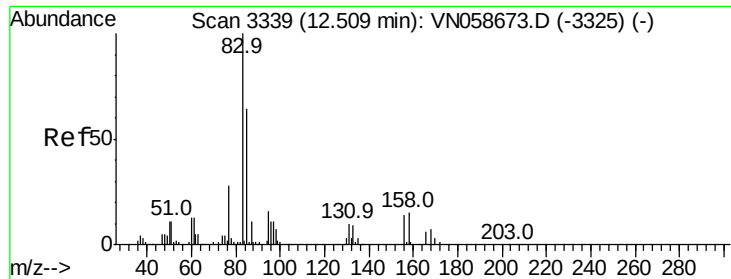
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.4	63.6
103	55.6	44.6	66.8



#70
Isopropylbenzene
Concen: 19.847 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.4	34.2

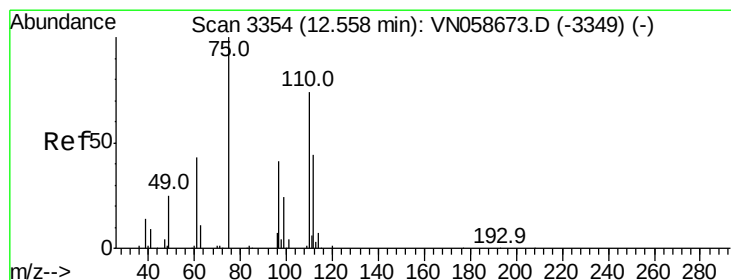
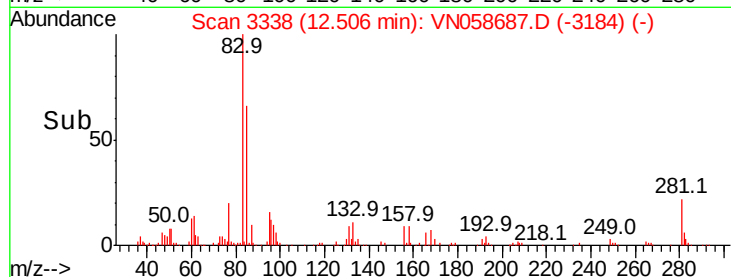
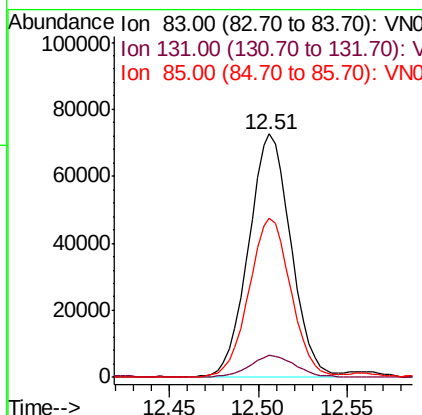
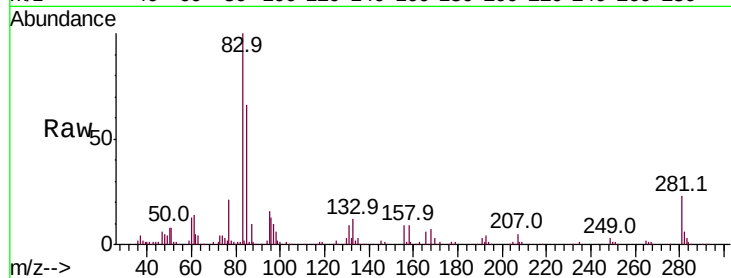




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.996 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

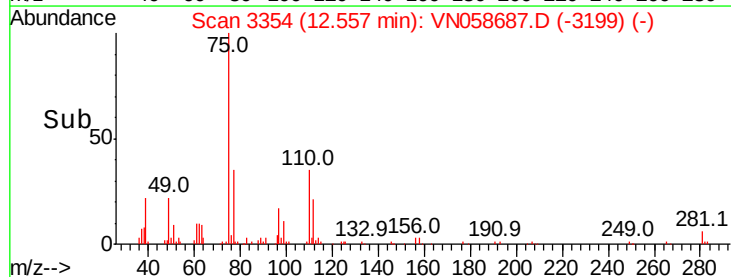
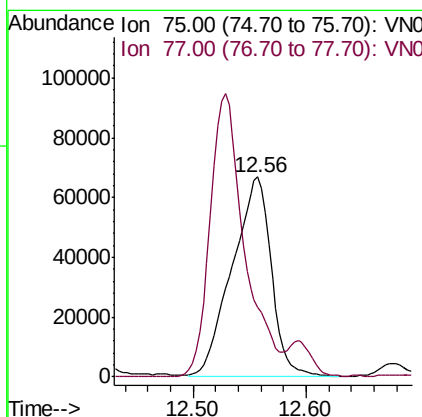
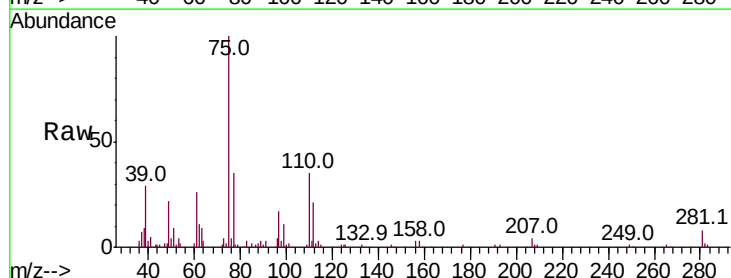
Instrument :
 MSVOA_N
 ClientSampleId :

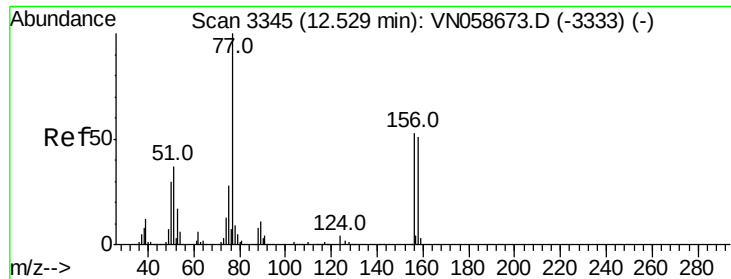
Tot Ion	83	Resp	120542
Ion Ratio	100	Lower	Upper
83	100		
131	8.9	4.9	14.7
85	64.2	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 29.327 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	75	Resp	160197
Ion Ratio	100	Lower	Upper
75	100		
77	124.0	0.0	359.4





#73

Bromobenzene

Concen: 19.592 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

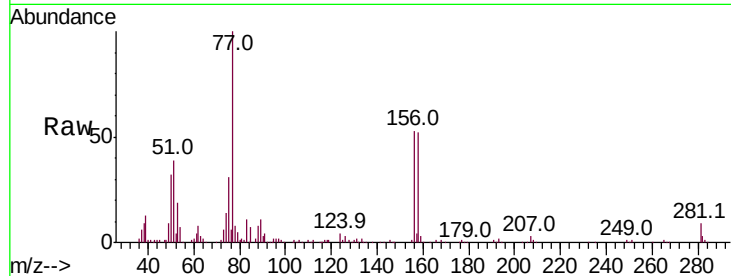
Tot Ion:156 Resp: 85211

Ion Ratio Lower Upper

156 100

77 233.1 0.0 456.0

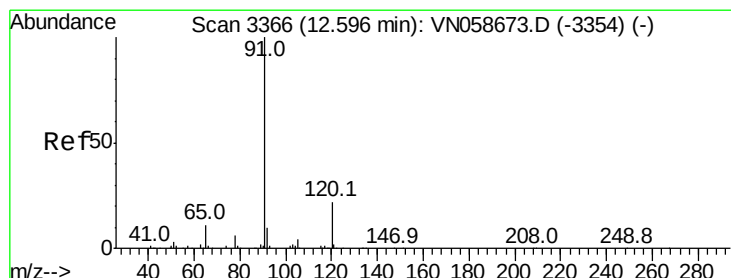
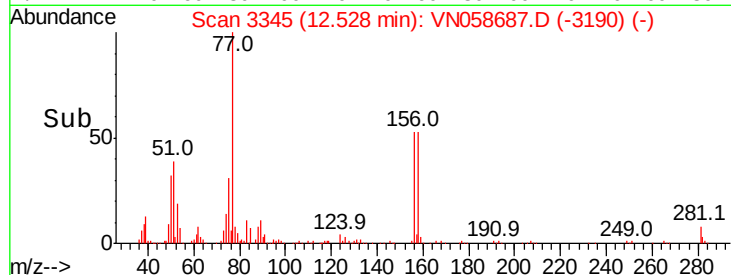
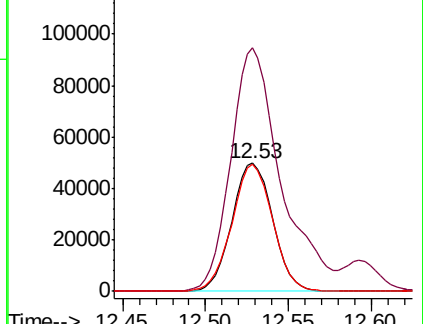
158 98.7 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.777 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058687.D

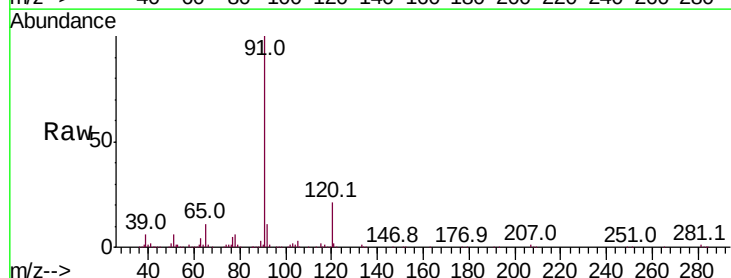
Acq: 11 Oct 2019 8:43

Tgt Ion: 91 Resp: 435475

Ion Ratio Lower Upper

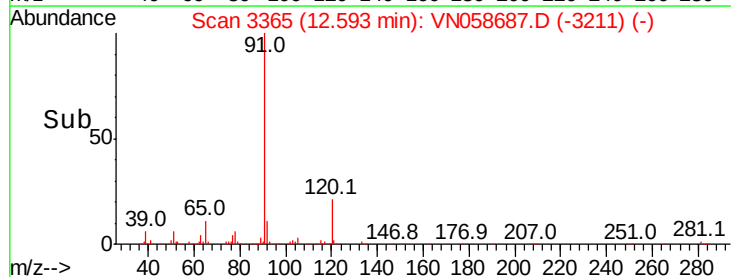
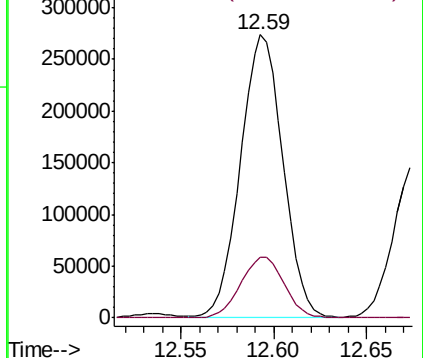
91 100

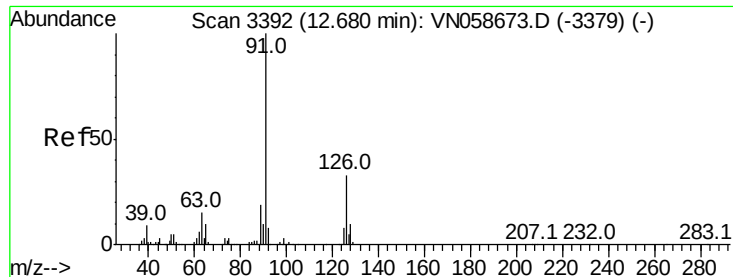
120 21.9 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.169 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

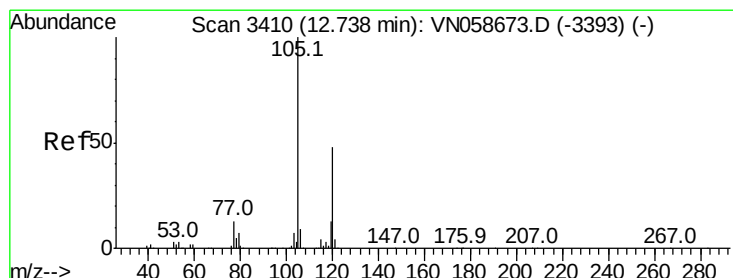
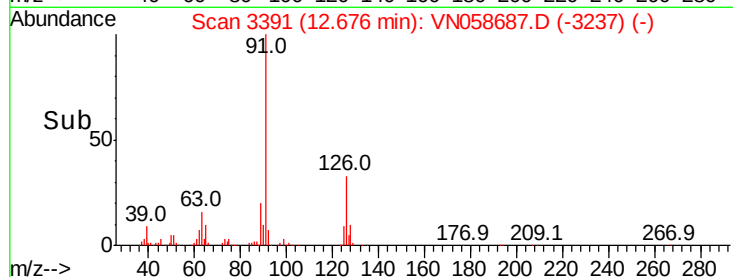
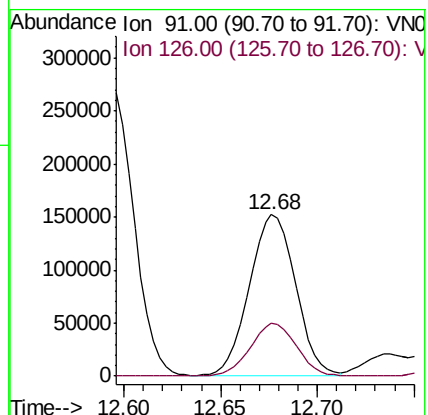
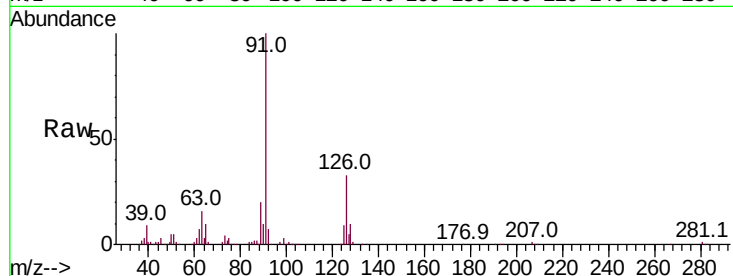
ClientSampleId :

Tot Ion: 91 Resp: 254342

Ion Ratio Lower Upper

91 100

126 32.7 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 20.156 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058687.D

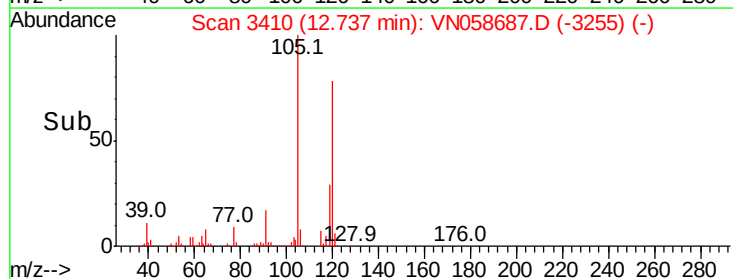
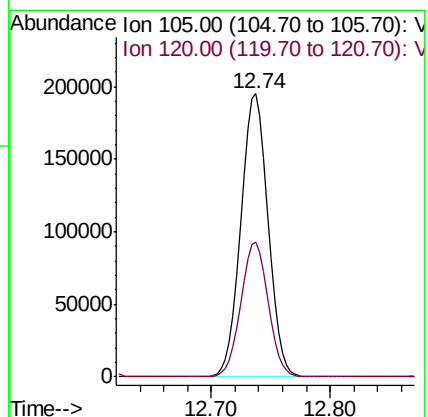
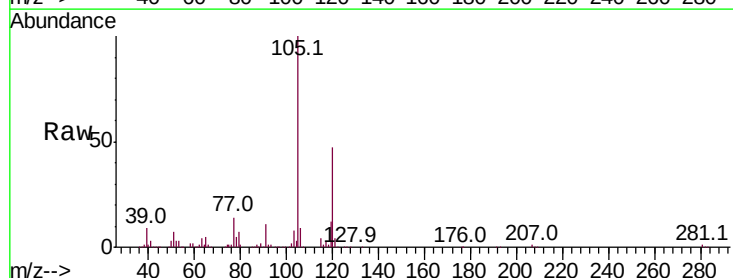
Acq: 11 Oct 2019 8:43

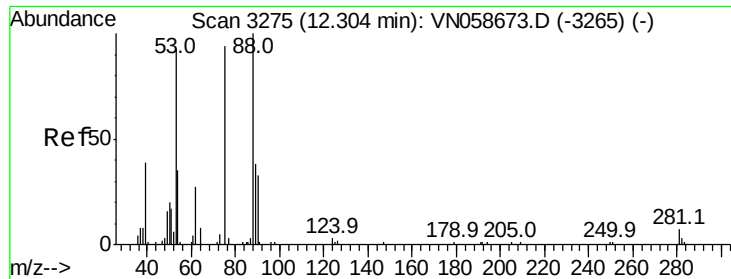
Tgt Ion: 105 Resp: 309121

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.0

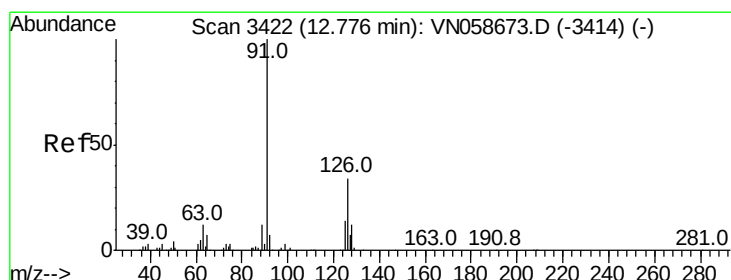
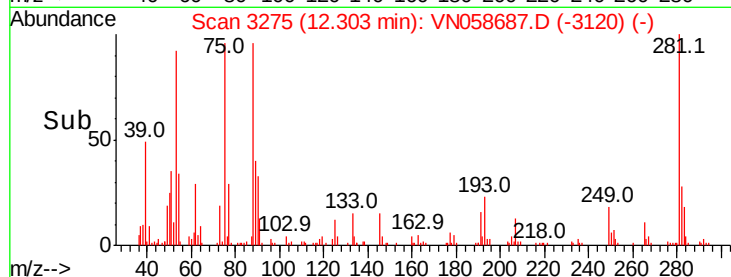
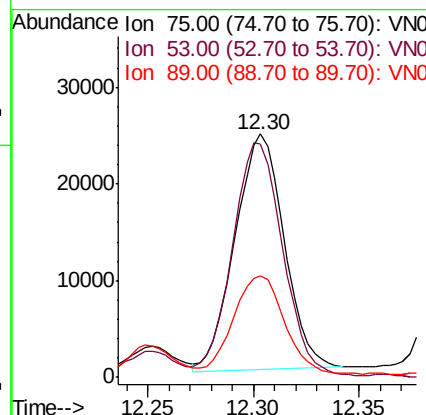
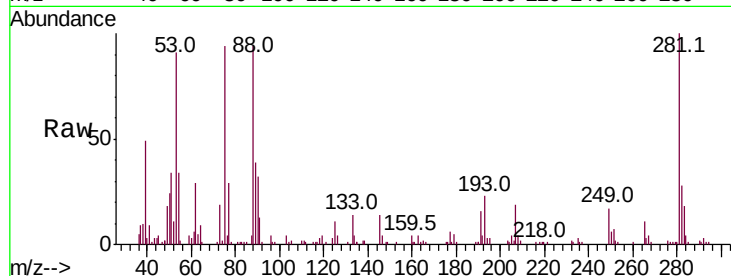




#77
t-1,4-Dichloro-2-butene
Concen: 18.986 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

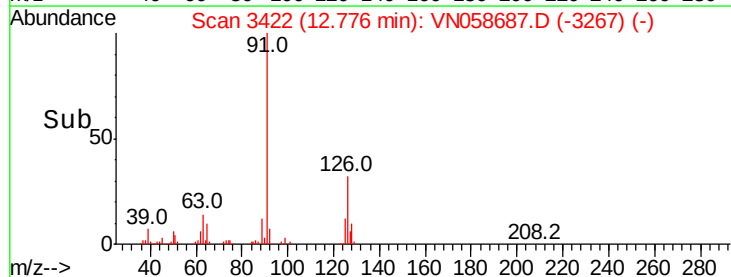
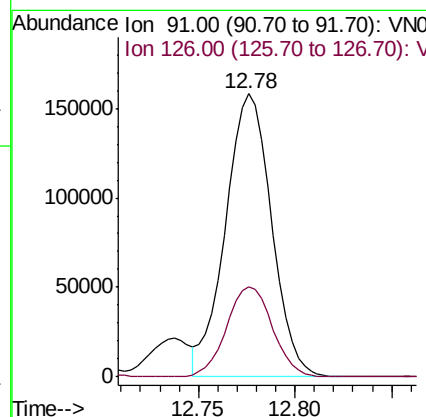
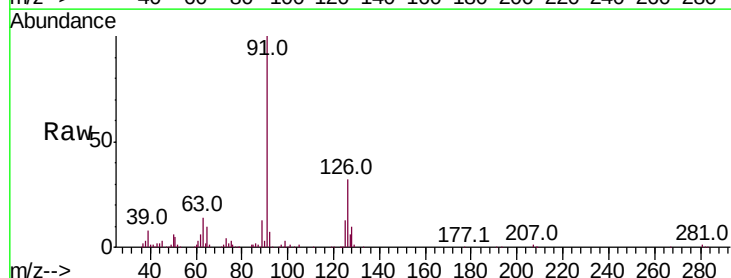
Instrument :
MSVOA_N
ClientSampleId :

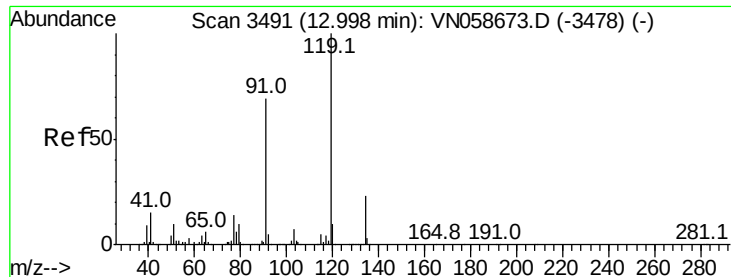
Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	50.0	150.0
89	41.9	20.7	62.1



#78
4-Chlorotoluene
Concen: 19.965 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	63.4

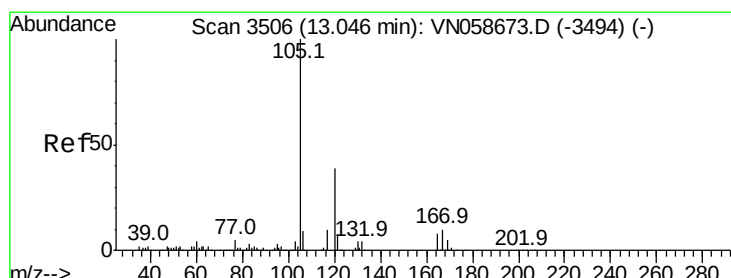
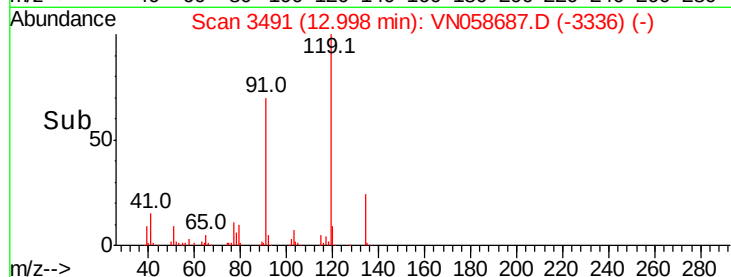
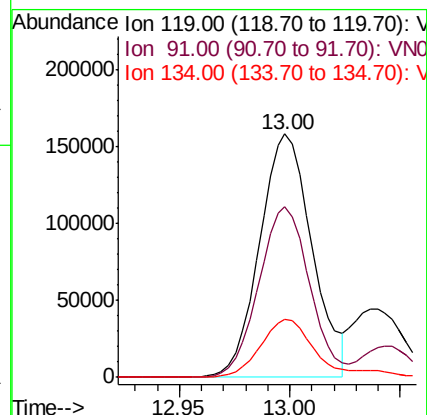
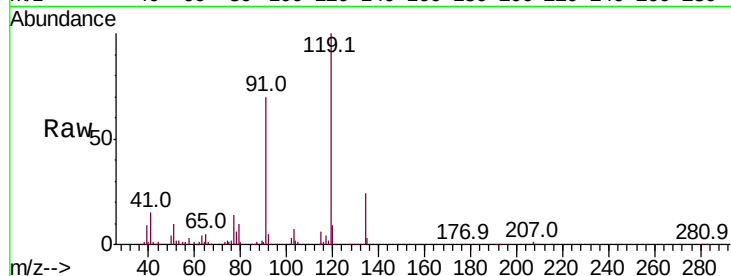




#79
tert-butylbenzene
Concen: 19.895 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

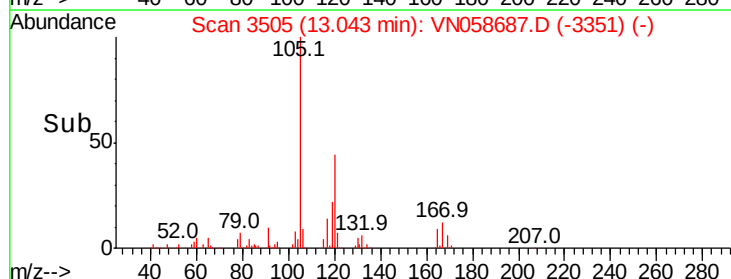
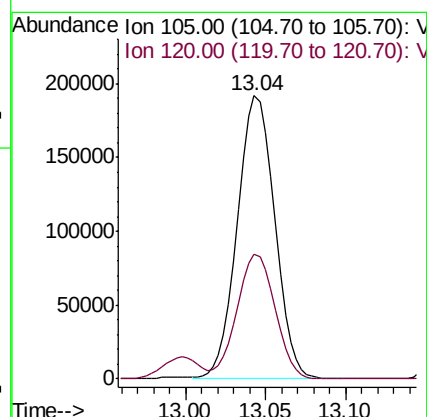
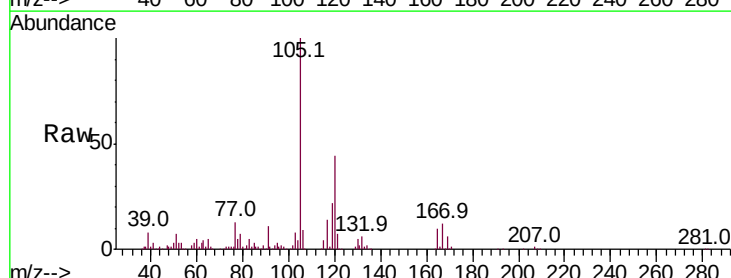
Instrument :
MSVOA_N
ClientSampleId :

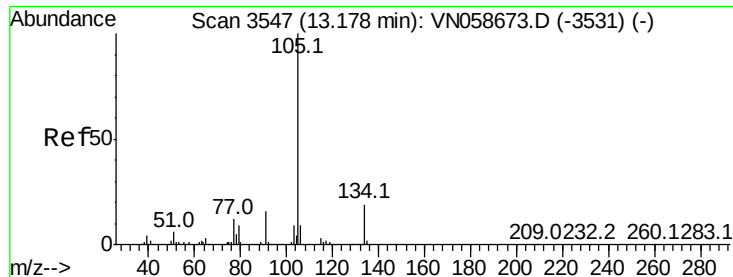
Tot Ion:119 Resp: 260686
Ion Ratio Lower Upper
119 100
91 68.3 0.0 136.4
134 23.9 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 20.093 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058687.D
Acq: 11 Oct 2019 8:43

Tgt Ion:105 Resp: 306207
Ion Ratio Lower Upper
105 100
120 44.9 0.0 89.2

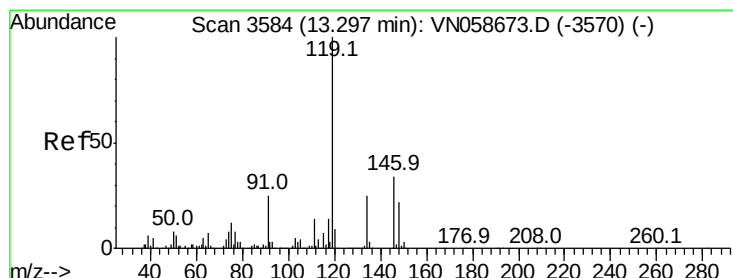
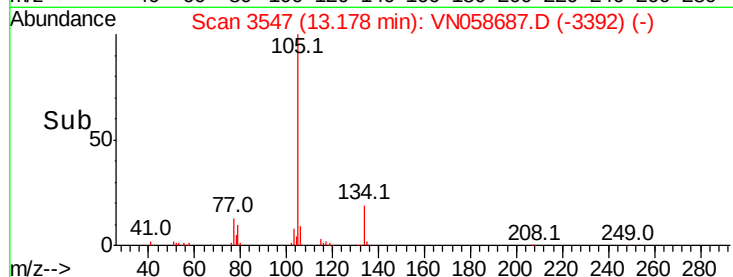
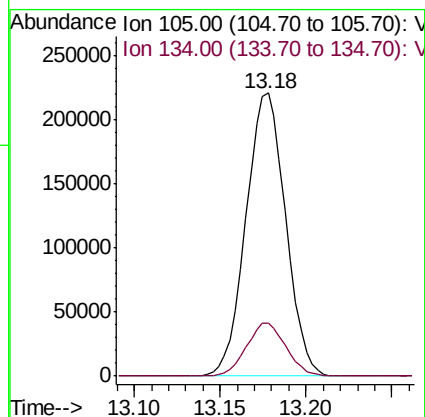
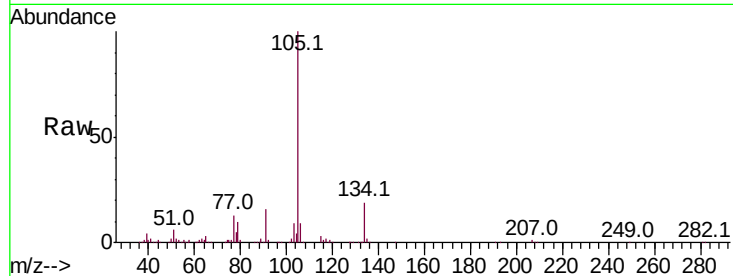




#81
 sec-Butylbenzene
 Concen: 20.067 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

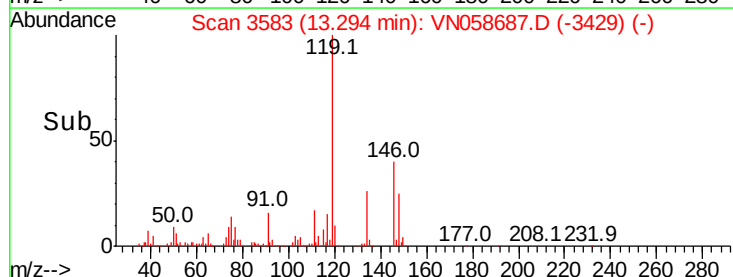
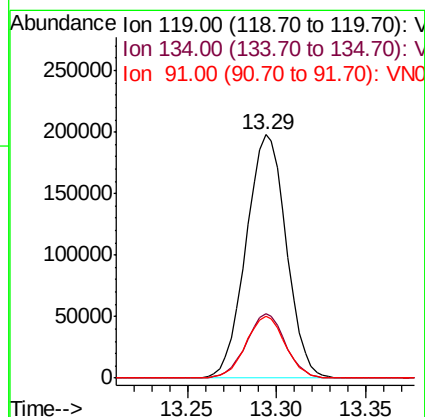
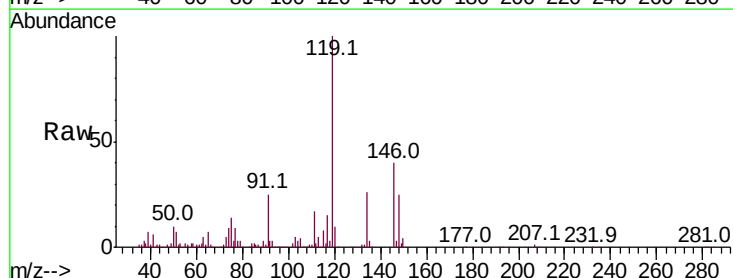
Instrument :
 MSVOA_N
 ClientSampleId :

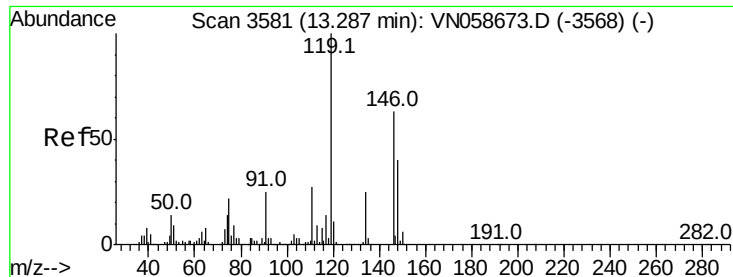
Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	0.0	38.0



#82
 p-Isopropyltoluene
 Concen: 19.589 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	50.8
91	25.1	0.0	49.4





#83

1,3-Dichlorobenzene

Concen: 19.673 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

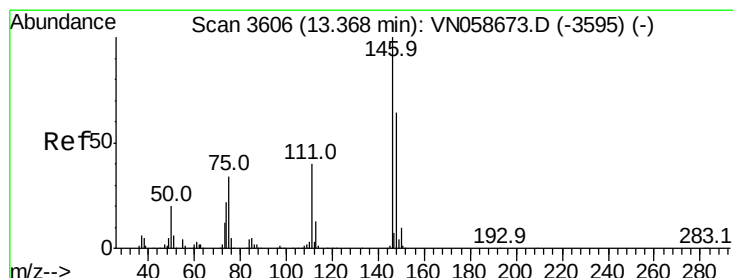
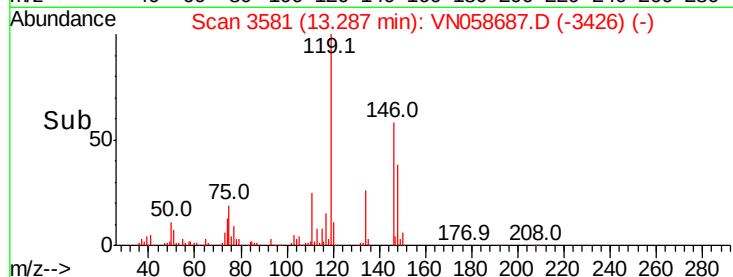
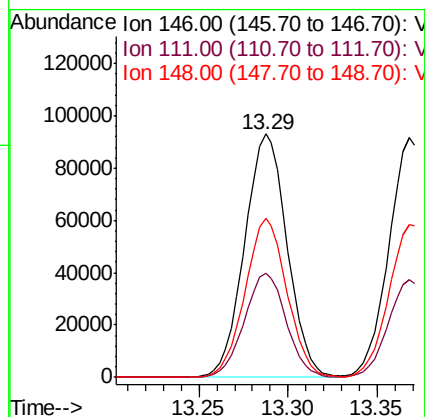
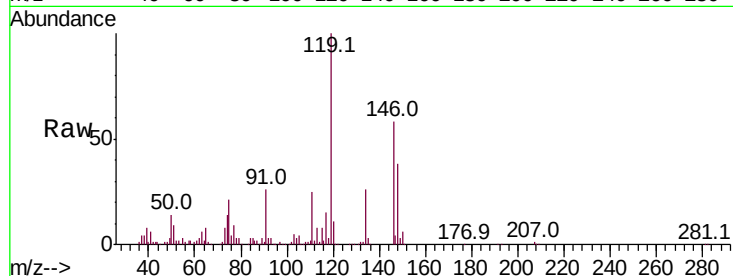
Tot Ion:146 Resp: 154828

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

148 64.0 31.7 95.1



#84

1,4-Dichlorobenzene

Concen: 18.964 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

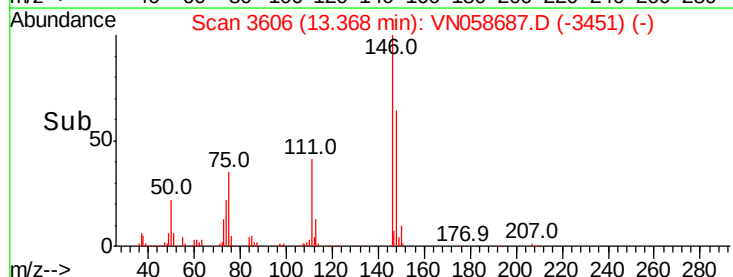
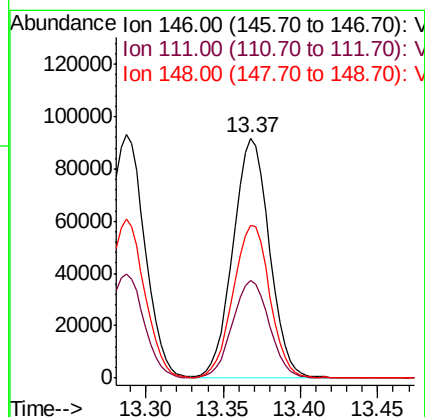
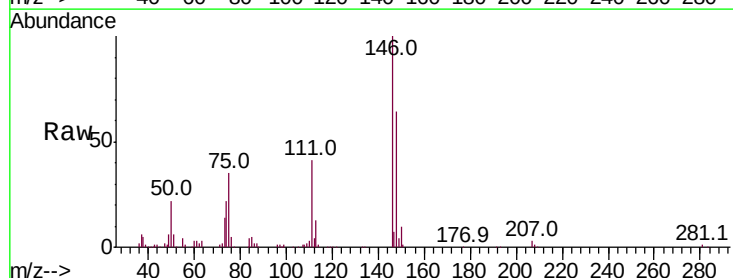
Tgt Ion:146 Resp: 149077

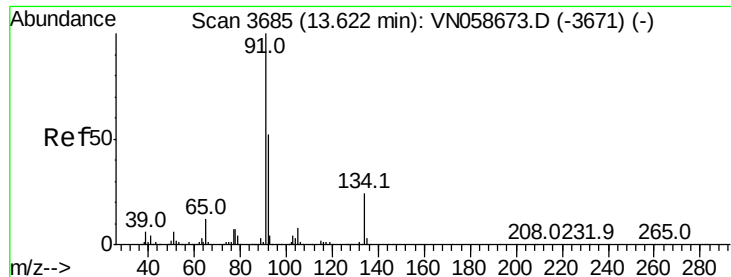
Ion Ratio Lower Upper

146 100

111 41.4 19.8 59.4

148 64.9 31.6 94.8





#85

n-Butylbenzene

Concen: 19.684 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampled :

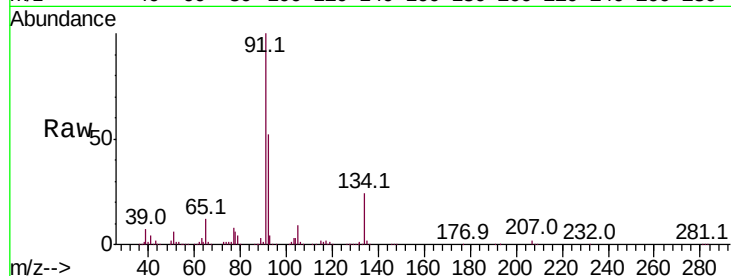
Tot Ion: 91 Resp: 285364

Ion Ratio Lower Upper

91 100

92 51.6 0.0 102.8

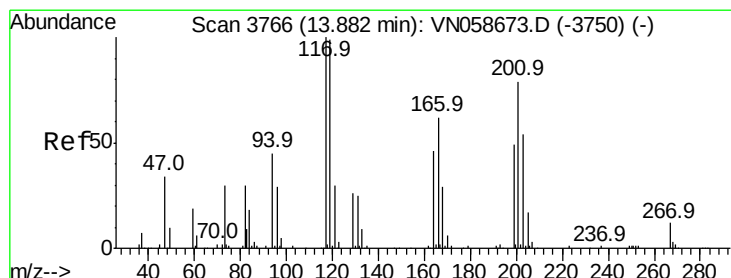
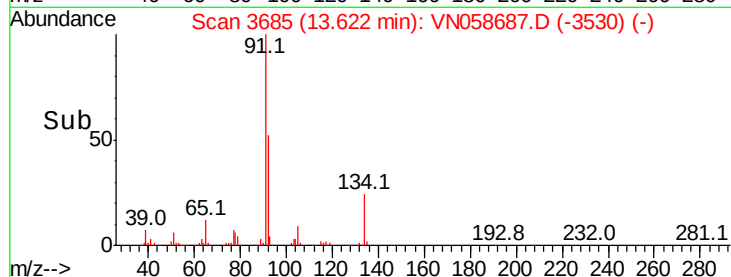
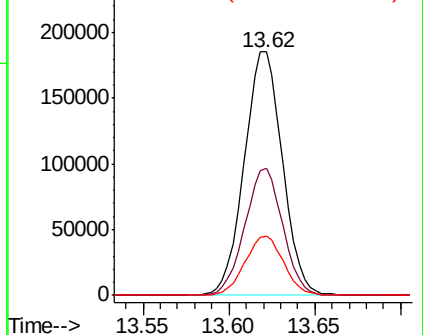
134 24.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058687.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN058687.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN058687.D (-3671) (-)



#86

Hexachloroethane

Concen: 19.272 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058687.D

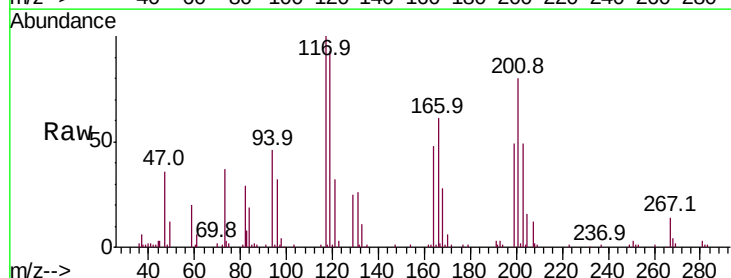
Acq: 11 Oct 2019 8:43

Tgt Ion: 117 Resp: 55537

Ion Ratio Lower Upper

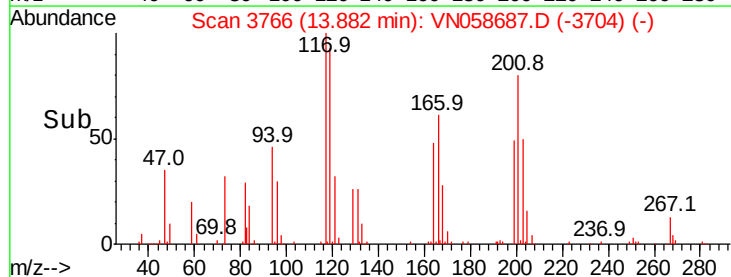
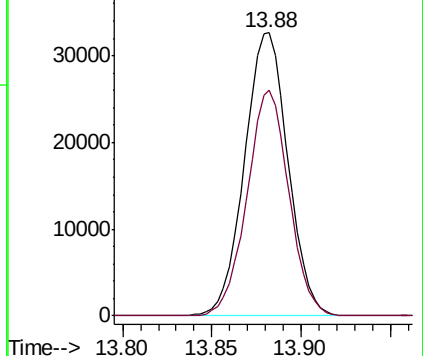
117 100

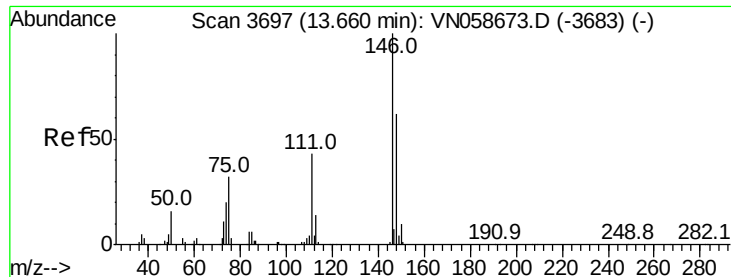
201 76.7 38.7 116.1



Abundance Ion 117.00 (116.70 to 117.70): VN058687.D (-3750) (-)

Ion 201.00 (200.70 to 201.70): VN058687.D (-3750) (-)

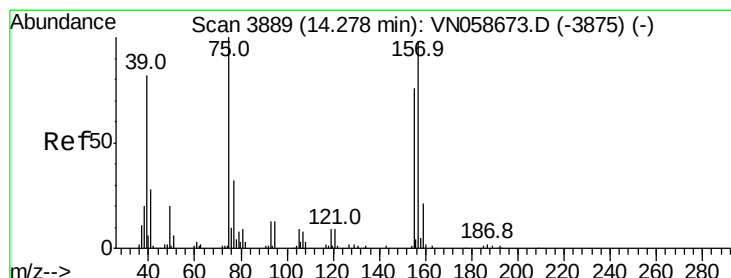
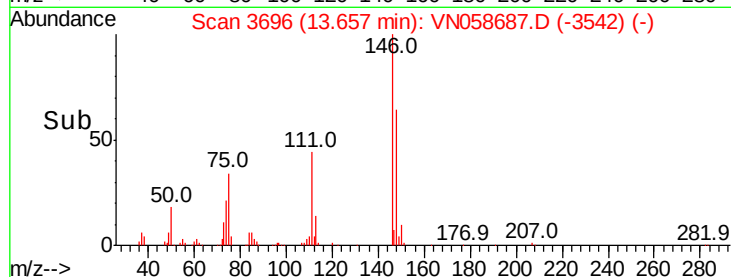
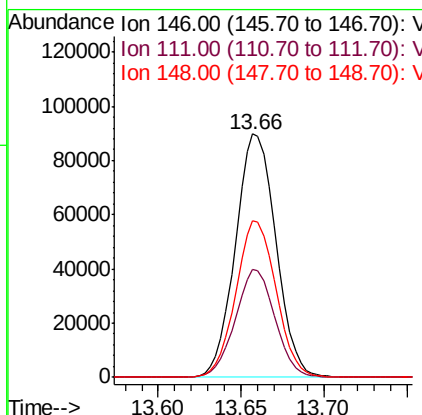
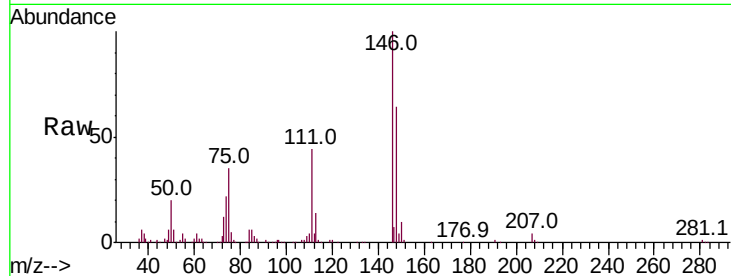




#87
 1,2-Dichlorobenzene
 Concen: 19.684 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

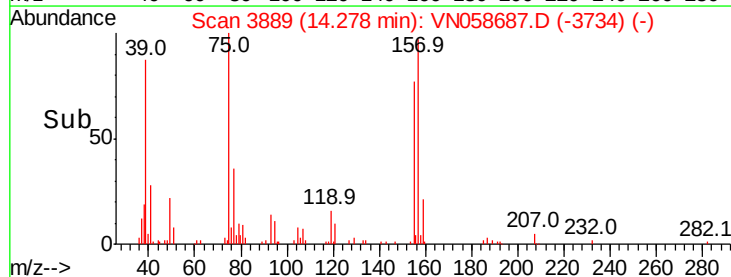
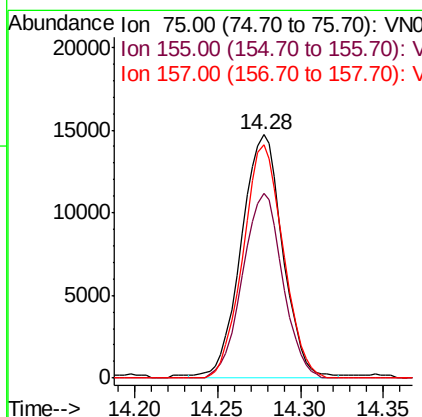
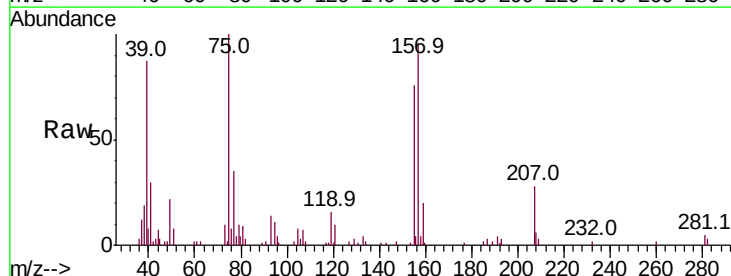
Instrument :
 MSVOA_N
 ClientSampled :

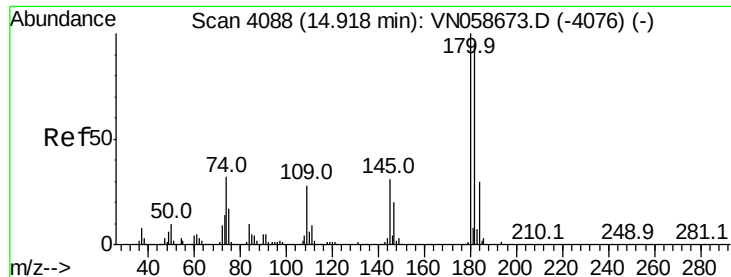
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.4
148	63.6	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.120 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	58.3	87.5
157	92.6	75.0	112.6

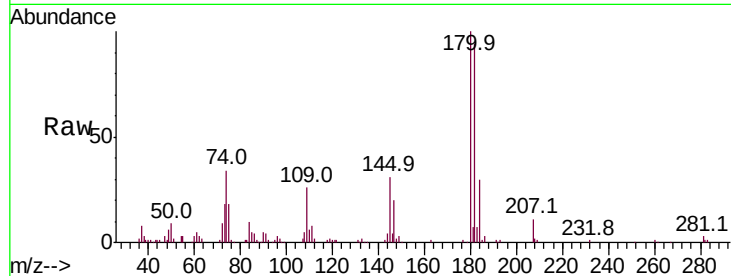




#89
 1,2,4-Trichlorobenzene
 Concen: 18.771 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.3	112.9
145	30.3	24.8	37.2

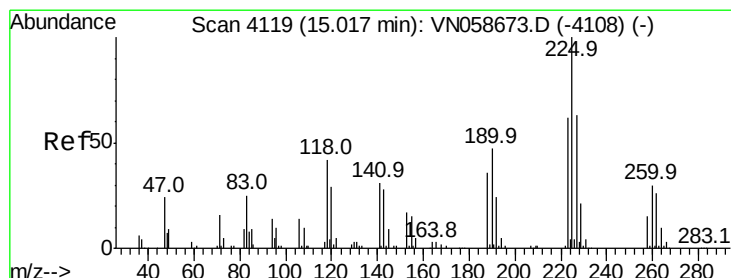
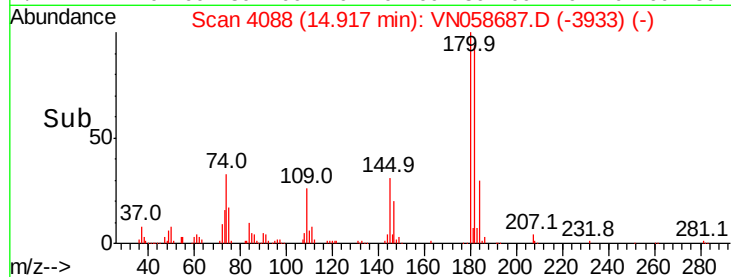
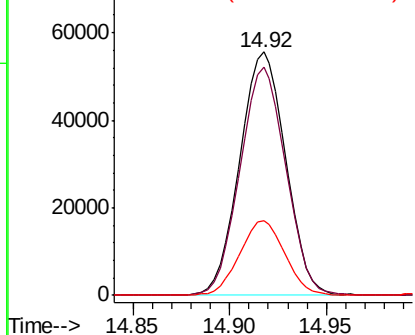


Abundance

Ion 180.00 (179.70 to 180.70): V

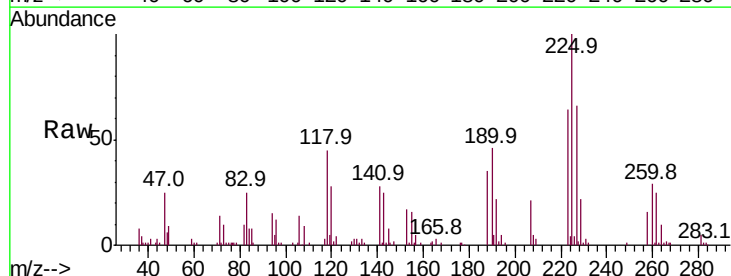
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.715 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058687.D
 Acq: 11 Oct 2019 8:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	0.0	126.2
227	64.5	0.0	127.0

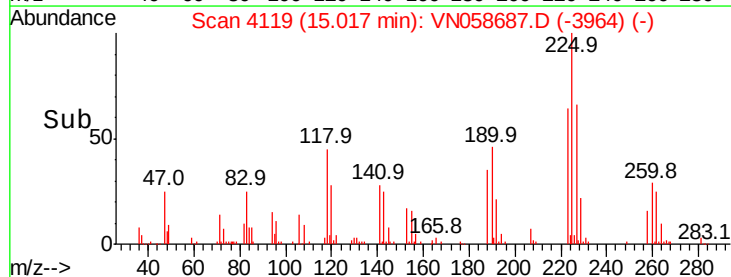
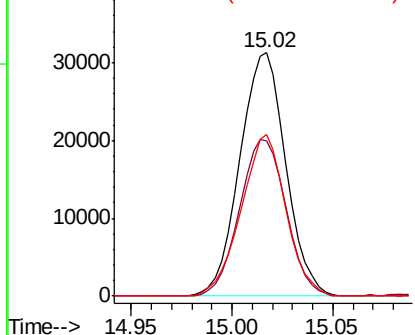


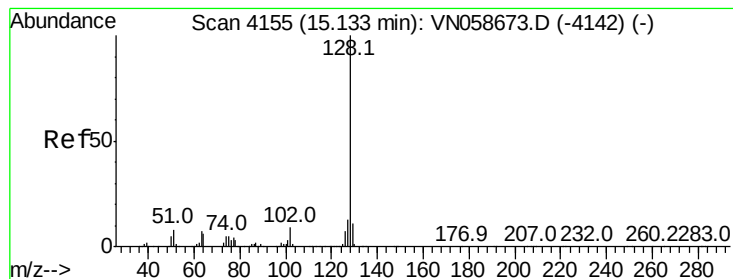
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.466 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Instrument :

MSVOA_N

ClientSampleId :

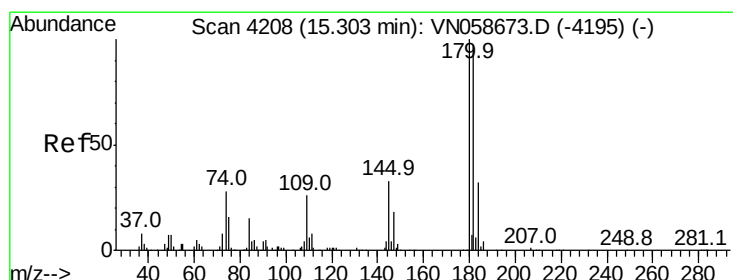
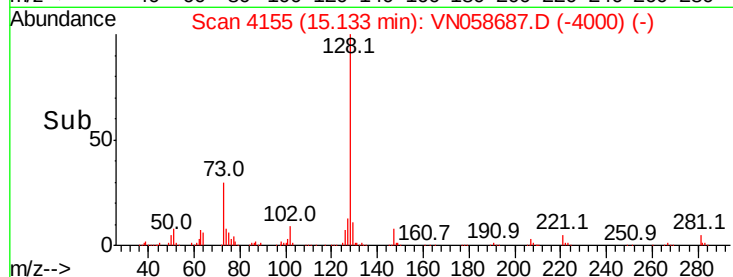
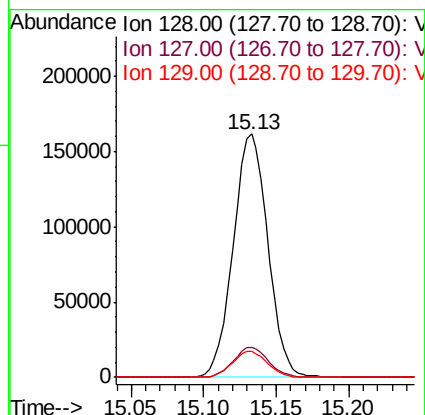
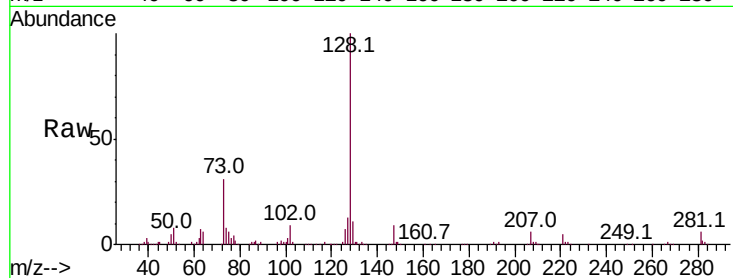
Tot Ion:128 Resp: 267470

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.9 8.6 13.0



#92

1,2,3-Trichlorobenzene

Concen: 18.490 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058687.D

Acq: 11 Oct 2019 8:43

Tgt Ion:180 Resp: 88299

Ion Ratio Lower Upper

180 100

182 95.3 0.0 193.4

145 32.6 0.0 65.8

