

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058370.D
 Acq On : 26 Sep 2019 9:06
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 27 02:27:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	80914	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	475079	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	424705	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	217538	30.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.37%
60) 4-Bromofluorobenzene	12.40	95	214641	29.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.37%
63) Toluene-d8	10.09	98	608746	30.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	104401	21.456 ug/l	95
3) Chloromethane	2.04	50	114897	20.450 ug/l	100
4) Vinyl Chloride	2.17	62	114467	20.418 ug/l	99
5) Bromomethane	2.55	94	63012	20.700 ug/l	94
6) Chloroethane	2.69	64	68327	20.623 ug/l	99
7) Trichlorofluoromethane	3.00	101	137950	20.898 ug/l	99
8) Diethyl Ether	3.39	74	59591	20.307 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93748	20.632 ug/l	98
10) 1,1-Dichloroethene	3.72	96	90146	20.294 ug/l	98
11) Methyl Iodide	3.93	142	97427	21.392 ug/l	98
12) Methyl Acetate	4.30	43	111905	18.915 ug/l	98
13) Acrolein	3.59	56	15821	94.045 ug/l	99
14) Acrylonitrile	4.96	53	238039	97.445 ug/l	99
15) Acetone	3.80	58	95997	141.730 ug/l	98
16) Carbon Disulfide	4.03	76	236920	19.193 ug/l	99
17) Allyl chloride	4.30	41	164135	19.782 ug/l	95
18) Methylene Chloride	4.53	84	107854	20.583 ug/l	93
19) trans-1,2-Dichloroethene	5.01	96	100463	20.174 ug/l	94
20) Diisopropyl ether	5.93	45	351813	19.900 ug/l	97
21) 1,1-Dichloroethane	5.83	63	202406	20.459 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	116752	20.184 ug/l	98
23) tert-Butyl Alcohol	4.75	59	81058	89.887 ug/l	100
24) Methyl tert-Butyl Ether	5.02	73	310650	19.483 ug/l	98
25) Chloroform	7.36	83	202317	20.196 ug/l	100
26) Cyclohexane	7.64	56	182303	19.715 ug/l	# 100
29) 1,1-Dichloropropene	7.78	75	153825	19.836 ug/l	99
30) 2-Butanone	6.81	43	387705	110.107 ug/l	99
31) 2,2-Dichloropropane	6.81	77	164364	20.587 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	169420	20.255 ug/l	100
33) Carbon Tetrachloride	7.76	117	141446	19.904 ug/l	97
34) Benzene	8.03	78	444655	20.213 ug/l	99
35) Methacrylonitrile	7.15	41	53032	17.510 ug/l	89
36) 1,2-Dichloroethane	8.11	62	168815	19.589 ug/l	99
37) Trichloroethene	8.82	130	109844	19.945 ug/l	98
38) Methylcyclohexane	9.07	83	184073	19.630 ug/l	99
39) 1,2-Dichloropropane	9.11	63	120877	20.144 ug/l	96
40) Dibromomethane	9.20	93	76003	20.068 ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	149557	19.979	ug/l	98
42) Vinyl Acetate	5.87	43	1439808	107.094	ug/l	100
43) Ethyl Acetate	6.91	43	141369	20.221	ug/l	100
44) Isopropyl Acetate	8.15	43	230526	18.420	ug/l	99
45) 1,4-Dioxane	9.19	88	37431	354.524	ug/l	95
46) Methyl methacrylate	9.19	41	110364	18.607	ug/l	99
47) n-amyl Acetate	12.07	43	197335	18.115	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	156576	19.142	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	178661	19.618	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	105219	19.879	ug/l	97
51) Ethyl methacrylate	10.43	69	155622	18.583	ug/l	98
52) 1,3-Dichloropropane	10.71	76	183840	19.557	ug/l	97
53) Dibromochloromethane	10.90	129	100732	18.944	ug/l	97
54) 1,2-Dibromoethane	11.00	107	105220	19.480	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	318074	89.701	ug/l	99
56) Bromoform	12.13	173	60127	17.927	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	689469	103.607	ug/l	100
59) 2-Hexanone	10.75	43	541596	107.656	ug/l	99
61) Tetrachloroethene	10.63	164	88600	19.913	ug/l	99
62) Toluene	10.15	91	480524	20.659	ug/l	98
64) Chlorobenzene	11.43	112	287154	20.089	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	97801	19.518	ug/l	99
66) Ethyl Benzene	11.51	91	530418	20.913	ug/l	99
67) m/p-Xylenes	11.62	106	388435	39.891	ug/l	100
68) o-Xylene	11.95	106	183191	19.348	ug/l	94
69) Styrene	11.97	104	310785	19.628	ug/l	99
70) Isopropylbenzene	12.25	105	511074	20.829	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	150954	19.357	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	190586	28.417	ug/l	63
73) Bromobenzene	12.53	156	117199	19.720	ug/l	98
74) n-propylbenzene	12.60	91	603034	21.318	ug/l	99
75) 2-Chlorotoluene	12.68	91	349925	19.776	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	430595	20.381	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36498	16.683	ug/l	96
78) 4-Chlorotoluene	12.78	91	358885	19.790	ug/l	100
79) tert-butylbenzene	13.00	119	362231	19.802	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	435523	20.652	ug/l	99
81) sec-Butylbenzene	13.18	105	498914	20.795	ug/l	100
82) p-Isopropyltoluene	13.29	119	441210	20.420	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	212328	19.364	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	207290	18.995	ug/l	99
85) n-Butylbenzene	13.62	91	409825	20.416	ug/l	99
86) Hexachloroethane	13.88	117	66041	18.924	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	208960	19.516	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	26752	17.576	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	123964	17.722	ug/l	98
90) Hexachlorobutadiene	15.02	225	65685	19.407	ug/l	97
91) Naphthalene	15.13	128	353346	18.394	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	125276	18.647	ug/l	98

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QLast Update : Wed Sep 25 01:36:25 2019
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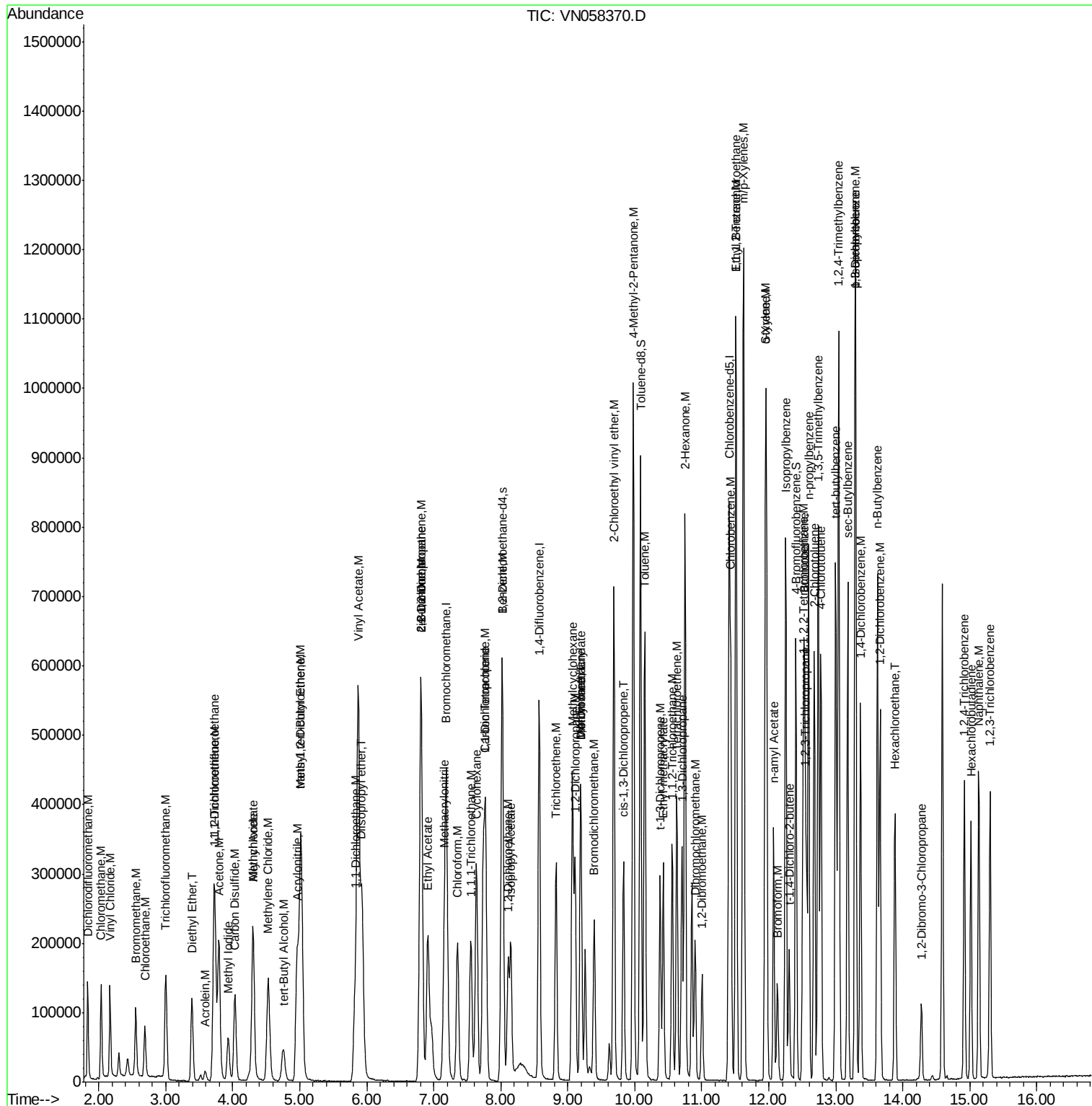
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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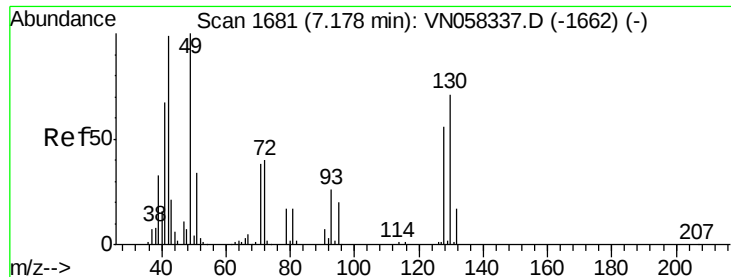
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
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Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Sep 27 02:27:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

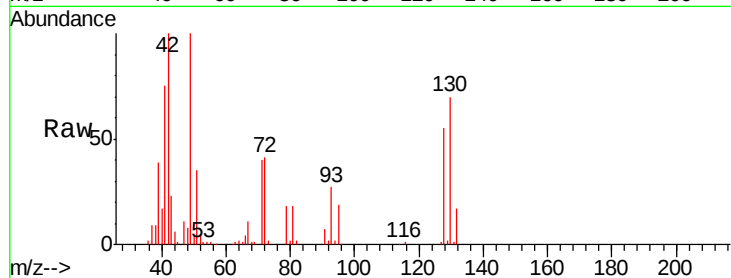
Tgt Ion:128 Resp: 80914

Ion Ratio Lower Upper

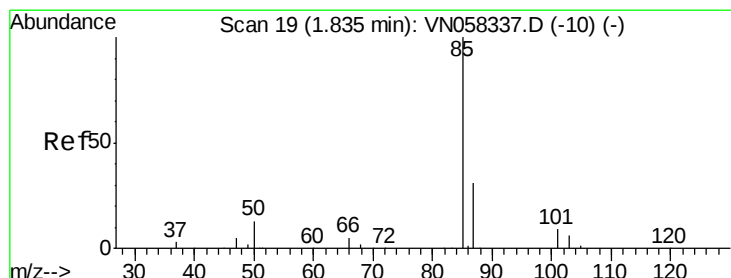
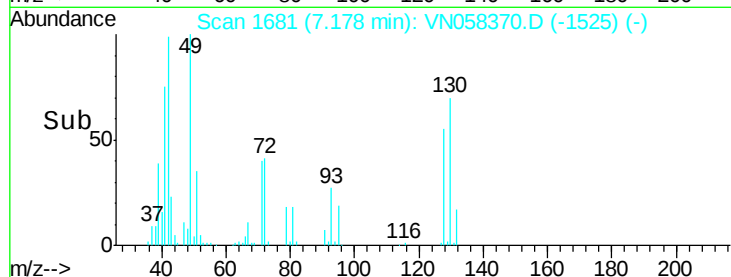
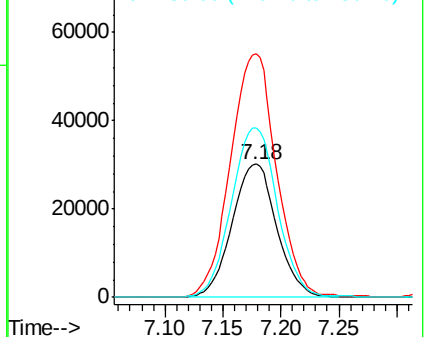
128 100

49 187.4 0.0 458.5

130 130.5 0.0 320.7



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: 21.456 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058370.D

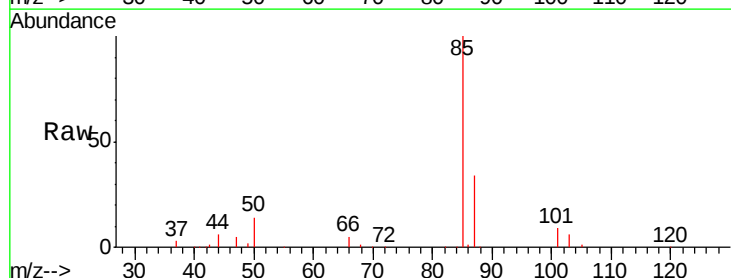
Acq: 26 Sep 2019 9:06

Tgt Ion: 85 Resp: 104401

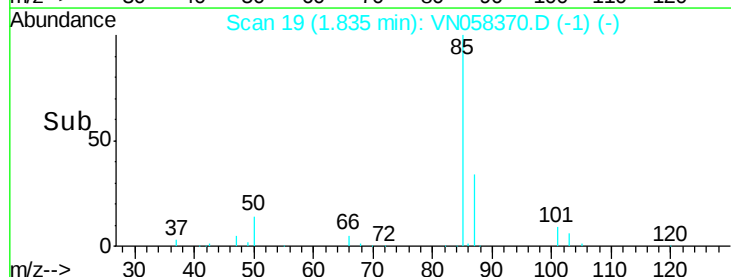
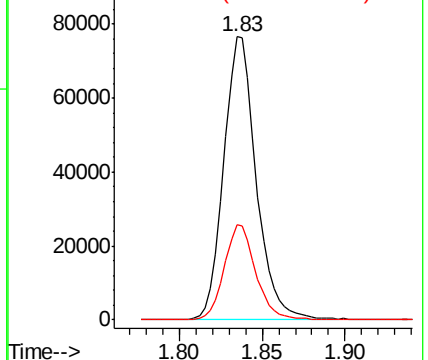
Ion Ratio Lower Upper

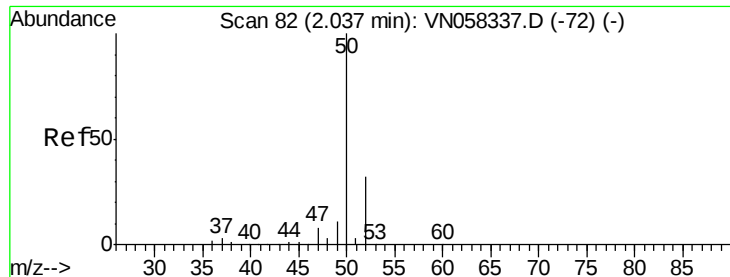
85 100

87 33.5 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

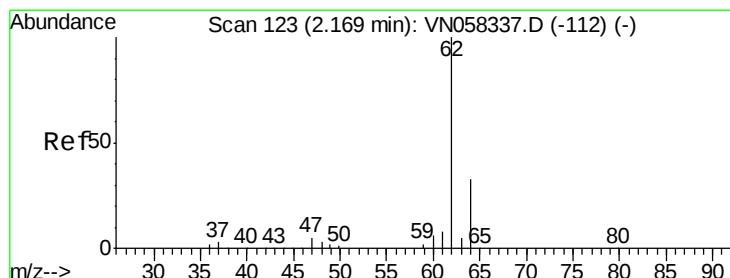
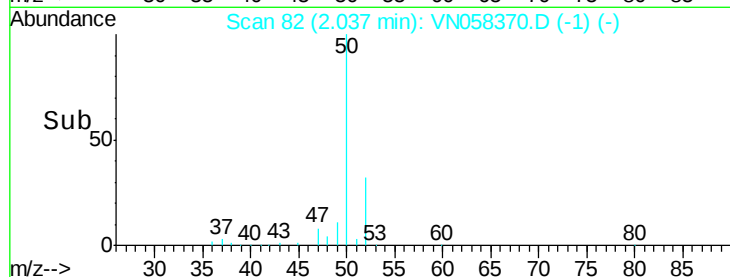
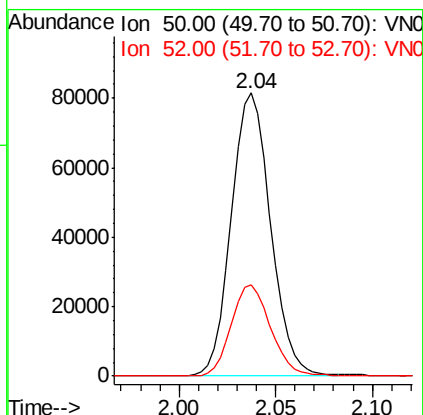
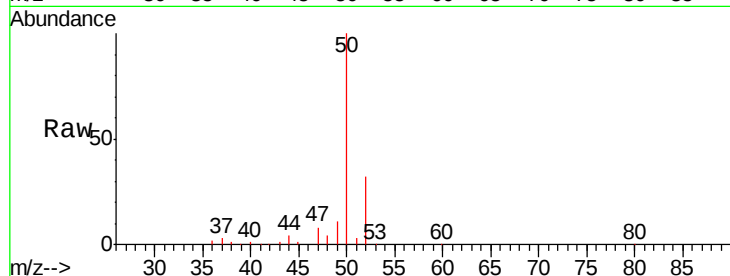




#3
Chloromethane
Concen: 20.450 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

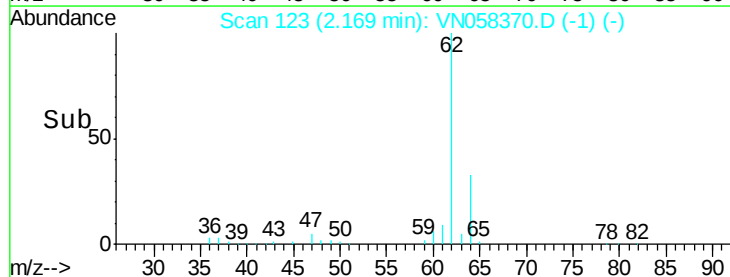
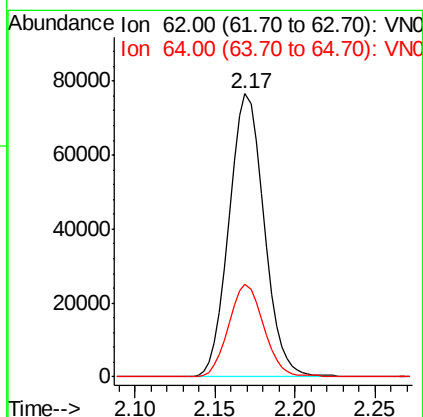
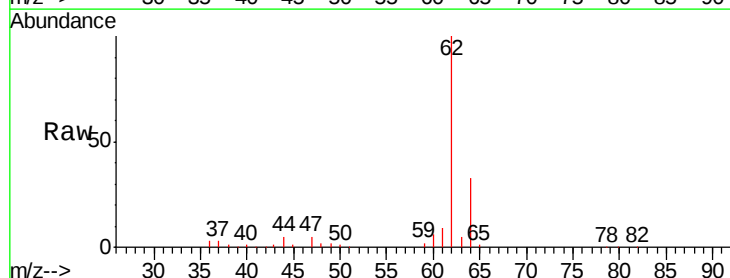
Instrument :
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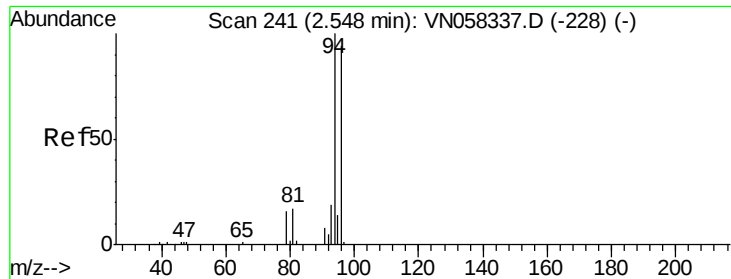
Tgt Ion: 50 Resp: 114897
Ion Ratio Lower Upper
50 100
52 32.2 25.9 38.9



#4
Vinyl Chloride
Concen: 20.418 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 62 Resp: 114467
Ion Ratio Lower Upper
62 100
64 32.6 26.6 40.0





#5

Bromomethane

Concen: 20.700 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

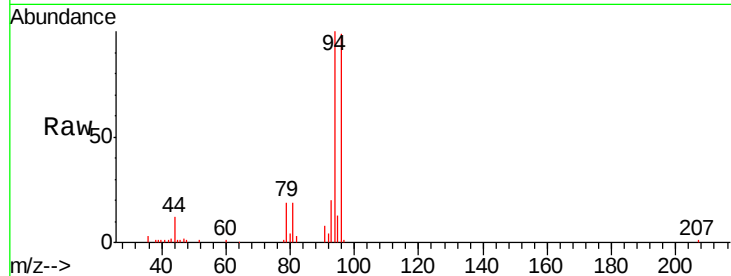
VSTDCCC020

Tgt Ion: 94 Resp: 63012

Ion Ratio Lower Upper

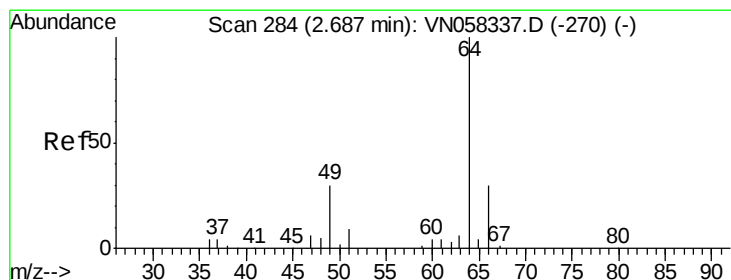
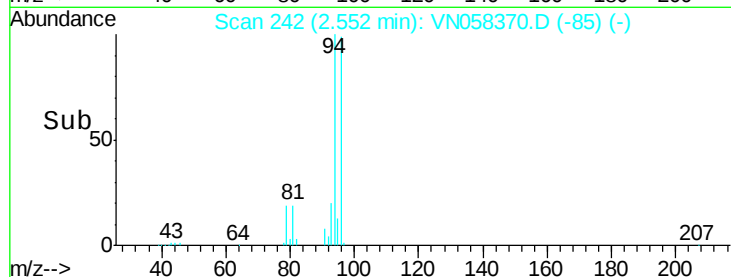
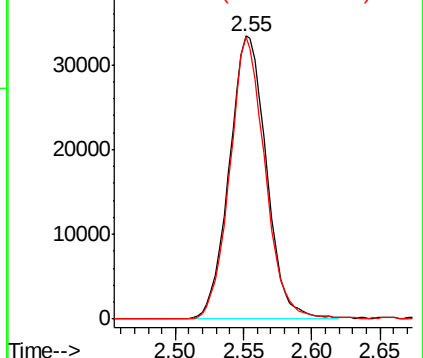
94 100

96 99.5 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.623 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN058370.D

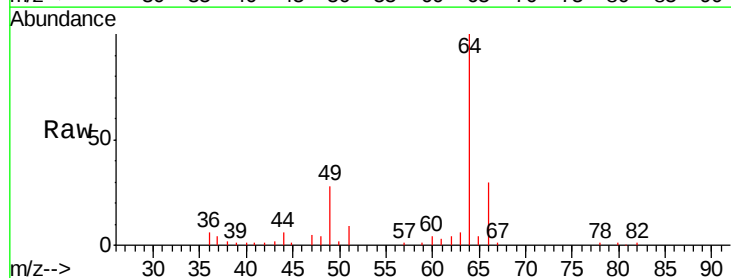
Acq: 26 Sep 2019 9:06

Tgt Ion: 64 Resp: 68327

Ion Ratio Lower Upper

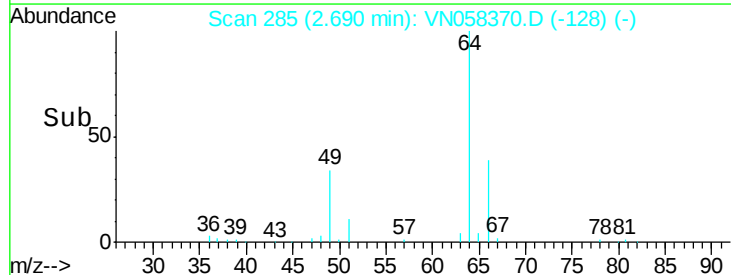
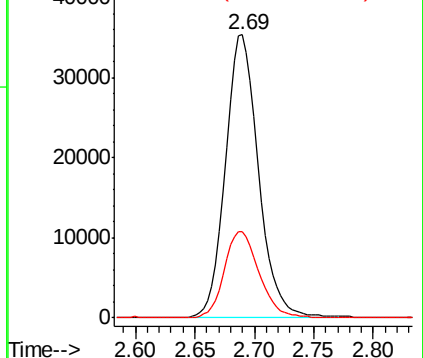
64 100

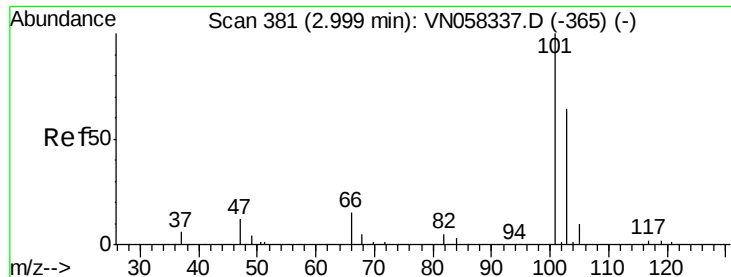
66 30.4 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



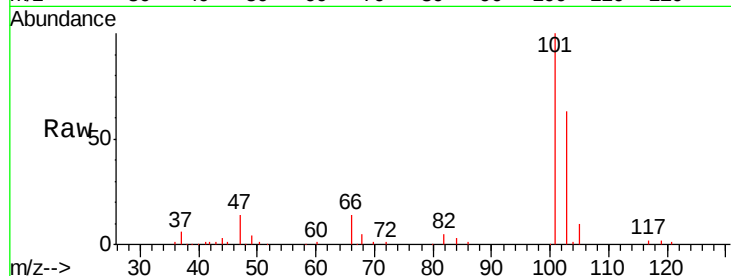


#7

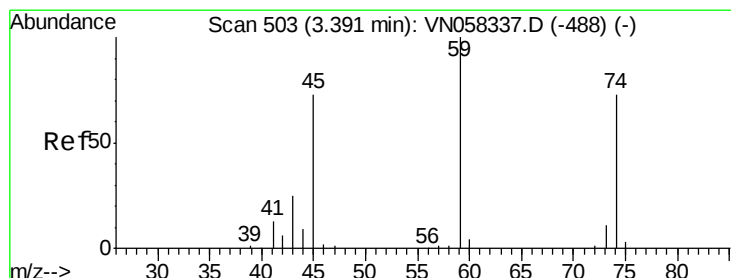
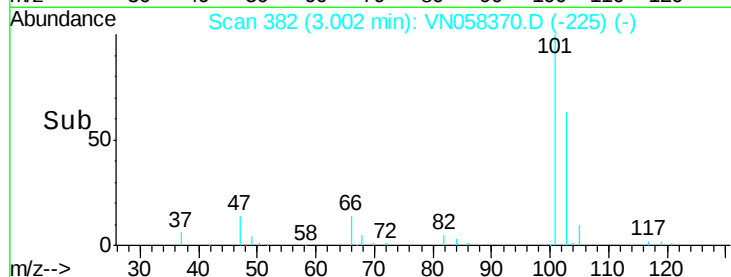
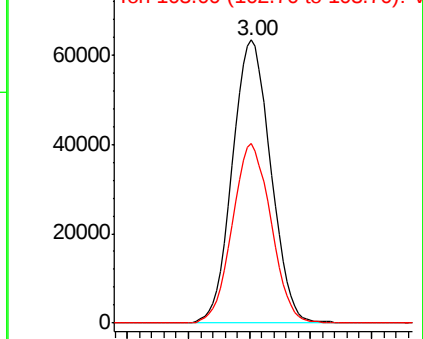
Trichlorofluoromethane
 Concen: 20.898 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Instrument :
 MSVOA_N
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Tgt Ion: 101 Resp: 137950
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3



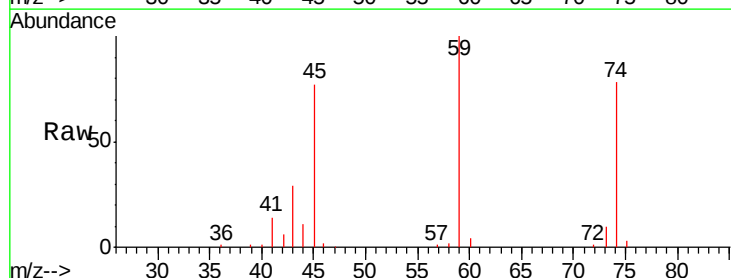
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



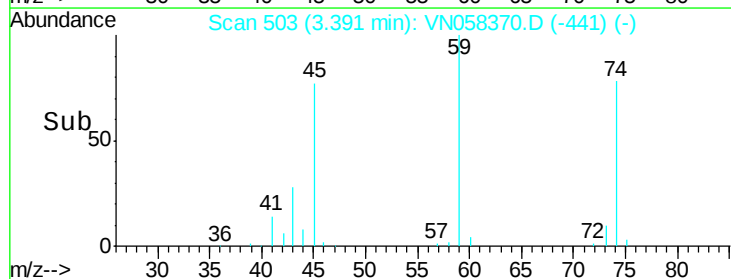
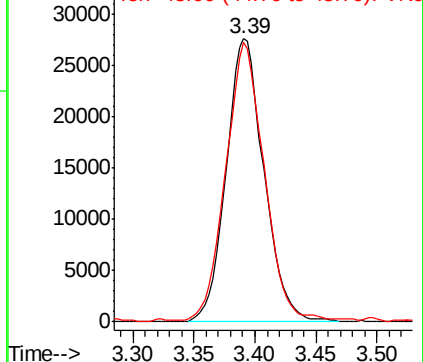
#8

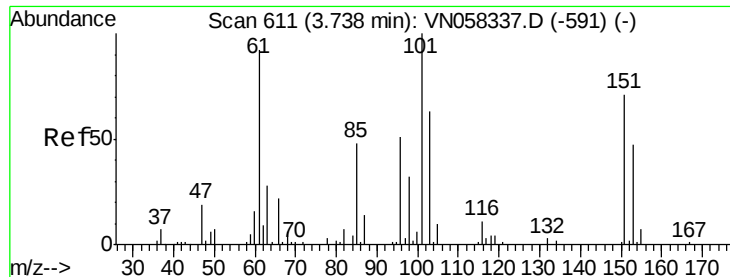
Diethyl Ether
 Concen: 20.307 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 74 Resp: 59591
 Ion Ratio Lower Upper
 74 100
 45 99.9 20.8 187.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.632 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

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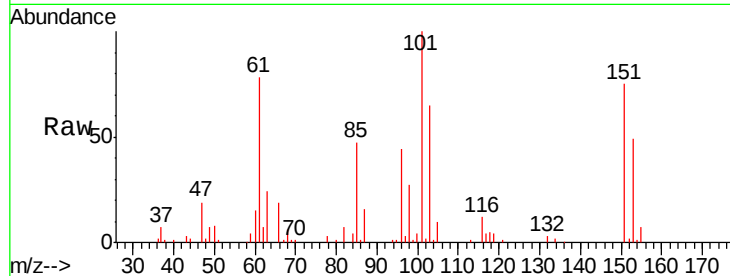
Tgt Ion: 101 Resp: 93748

Ion Ratio Lower Upper

101 100

85 47.7 0.0 93.0

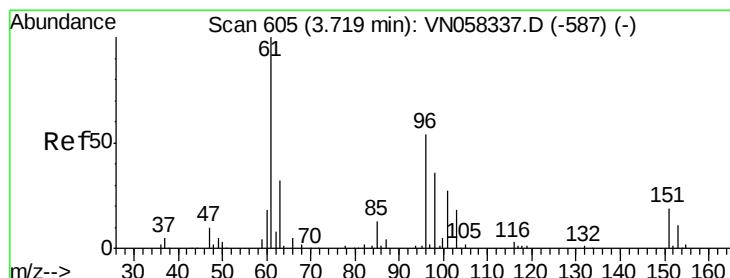
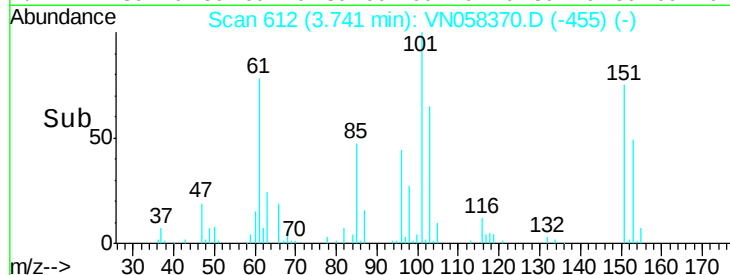
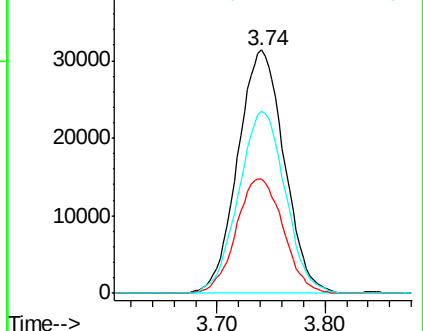
151 75.3 0.0 147.2



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: 20.294 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

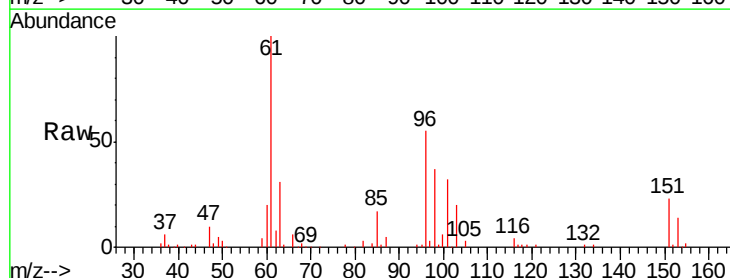
Tgt Ion: 96 Resp: 90146

Ion Ratio Lower Upper

96 100

61 181.6 146.9 220.3

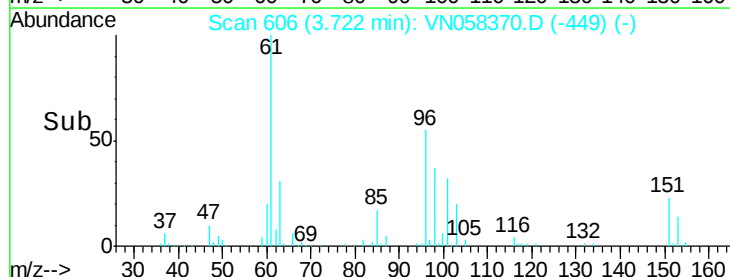
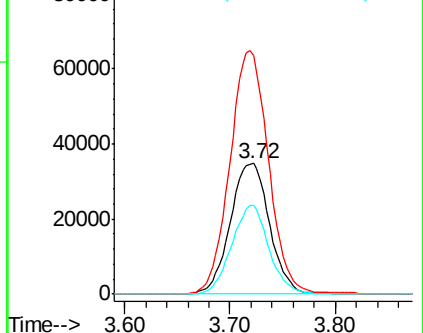
98 67.8 52.3 78.5

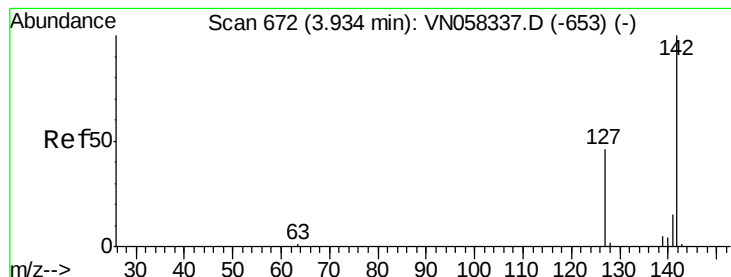


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methyl Iodide

Concen: 21.392 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

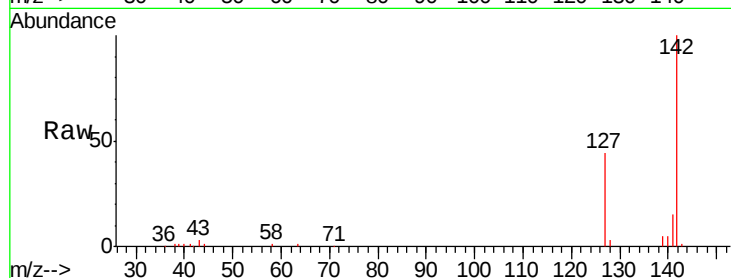
Tgt Ion: 142 Resp: 97427

Ion Ratio Lower Upper

142 100

127 43.7 22.9 68.7

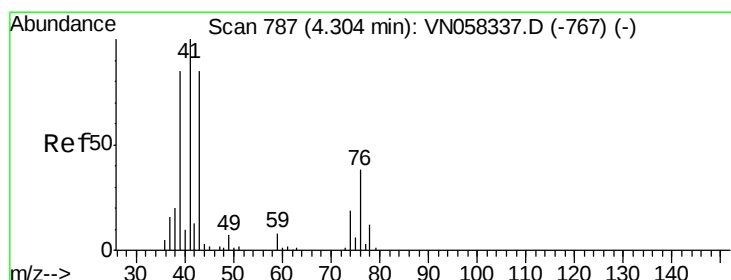
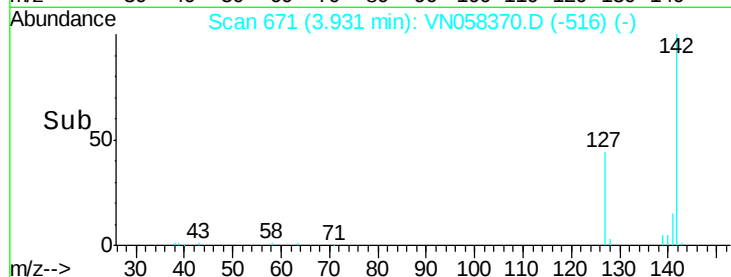
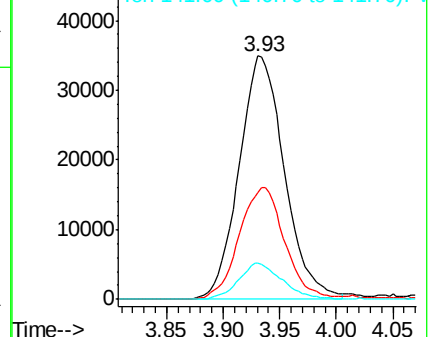
141 14.9 7.4 22.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 18.915 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058370.D

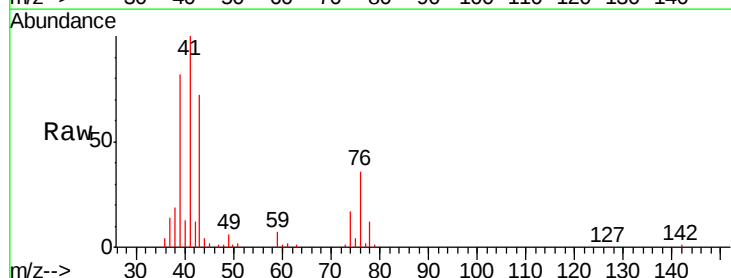
Acq: 26 Sep 2019 9:06

Tgt Ion: 43 Resp: 111905

Ion Ratio Lower Upper

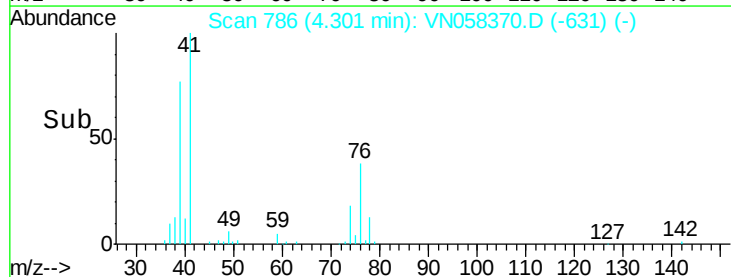
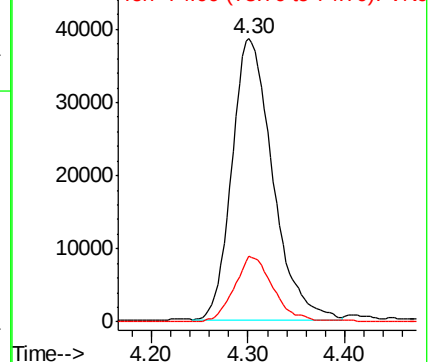
43 100

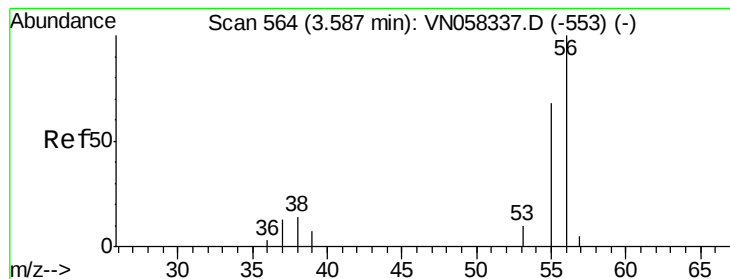
74 23.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 94.045 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

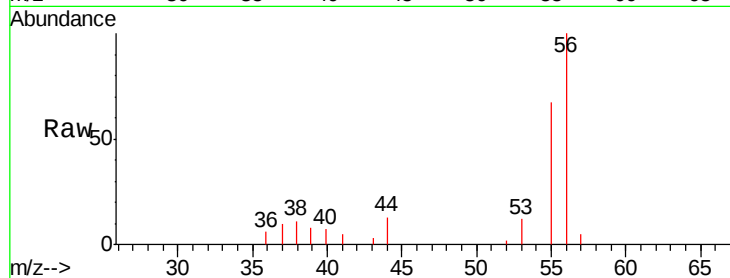
VSTDCCC020

Tgt Ion: 56 Resp: 15821

Ion Ratio Lower Upper

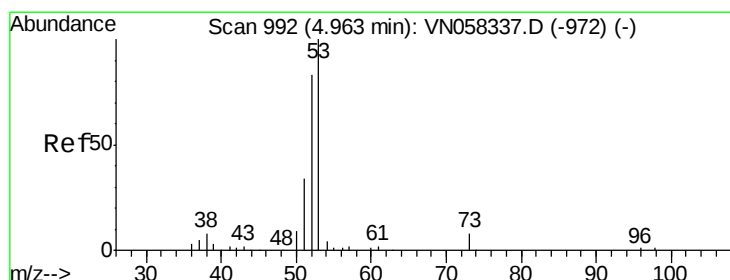
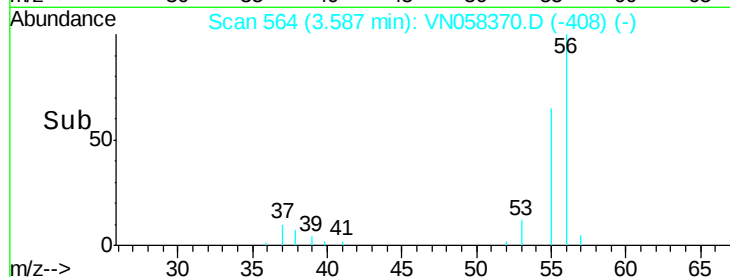
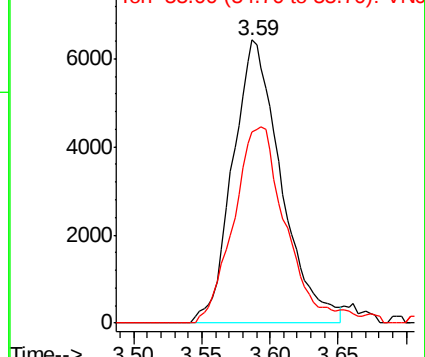
56 100

55 72.2 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 97.445 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

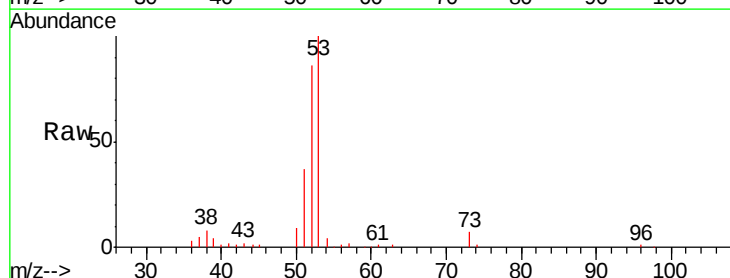
Tgt Ion: 53 Resp: 238039

Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.7

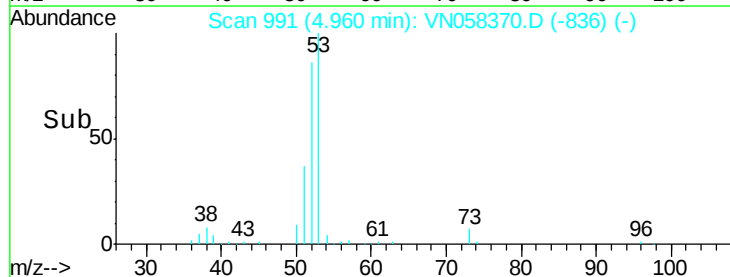
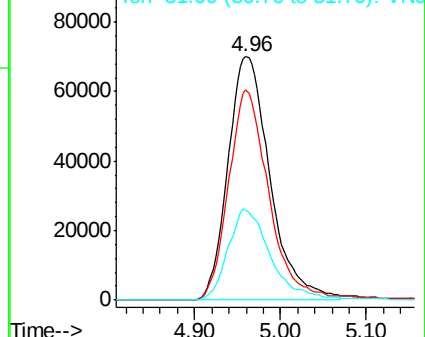
51 35.6 18.3 54.8

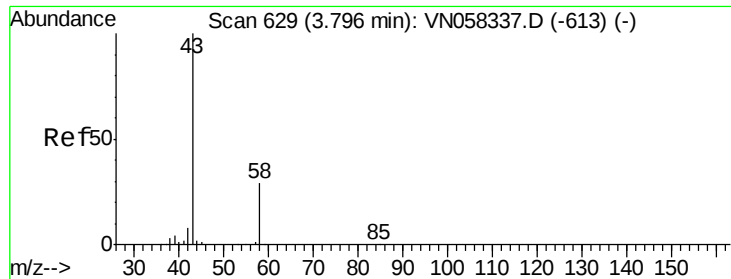


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 141.730 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

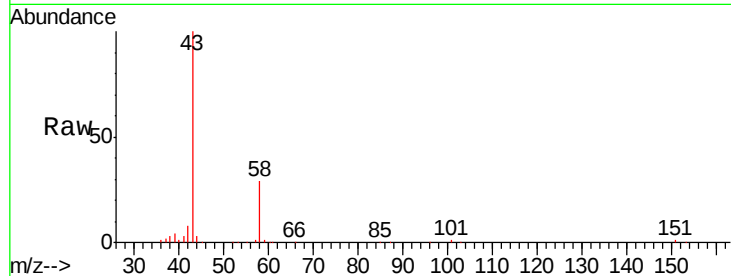
VSTDCCC020

Tgt Ion: 58 Resp: 95997

Ion Ratio Lower Upper

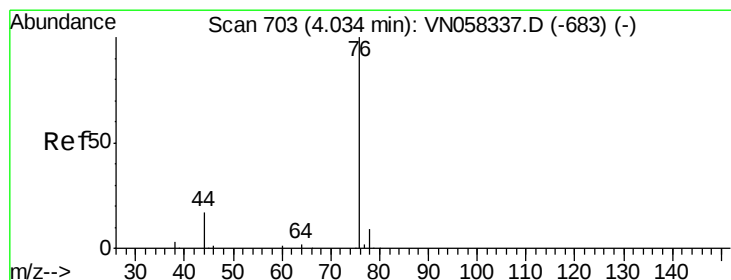
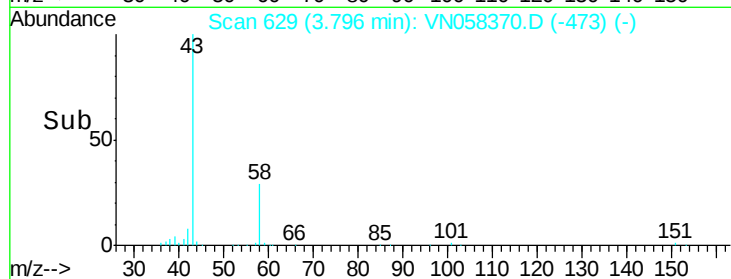
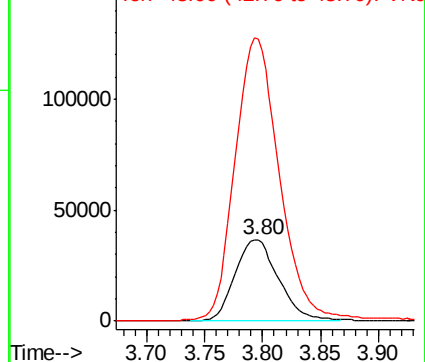
58 100

43 345.7 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.193 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058370.D

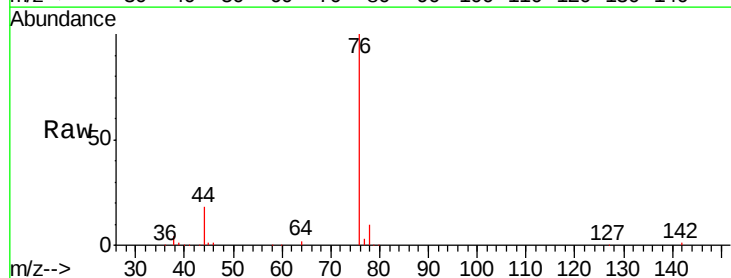
Acq: 26 Sep 2019 9:06

Tgt Ion: 76 Resp: 236920

Ion Ratio Lower Upper

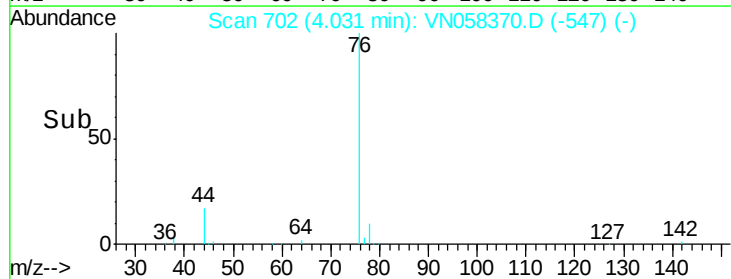
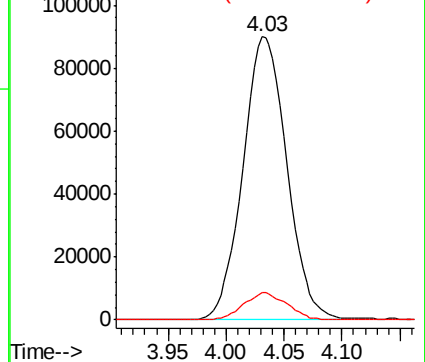
76 100

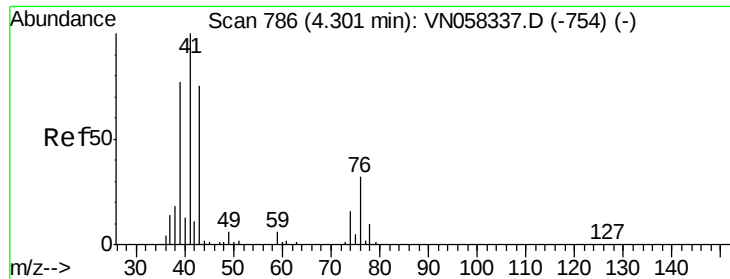
78 9.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 19.782 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

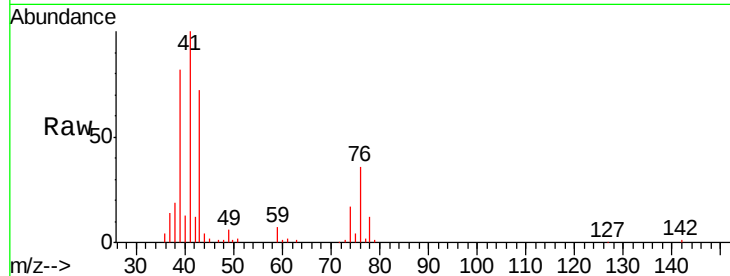
Tgt Ion: 41 Resp: 164135

Ion Ratio Lower Upper

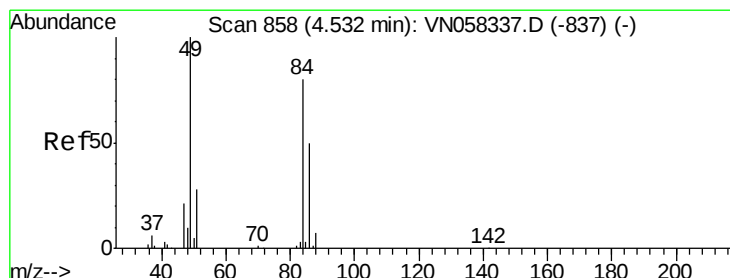
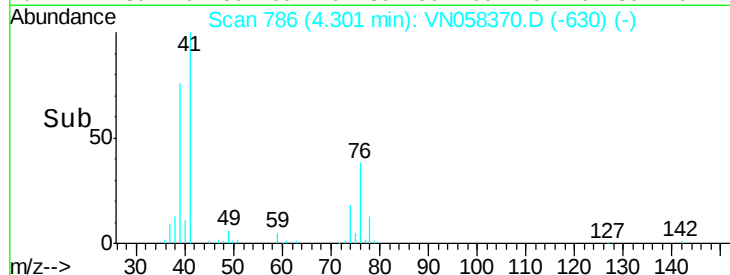
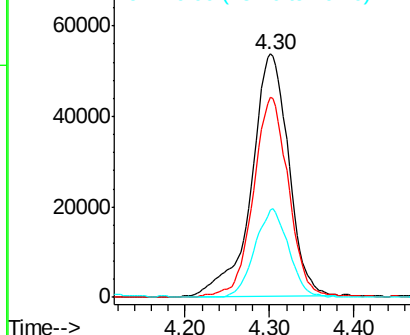
41 100

39 82.1 38.7 116.1

76 35.9 16.4 49.1



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: 20.583 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Tgt Ion: 84 Resp: 107854

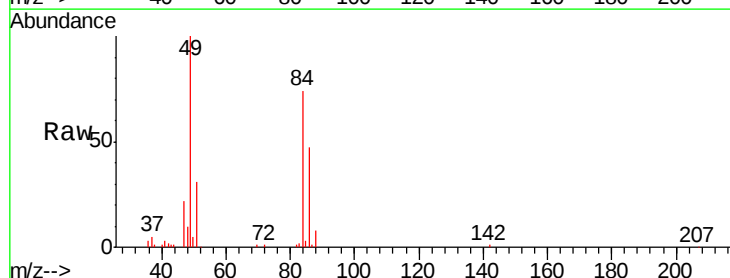
Ion Ratio Lower Upper

84 100

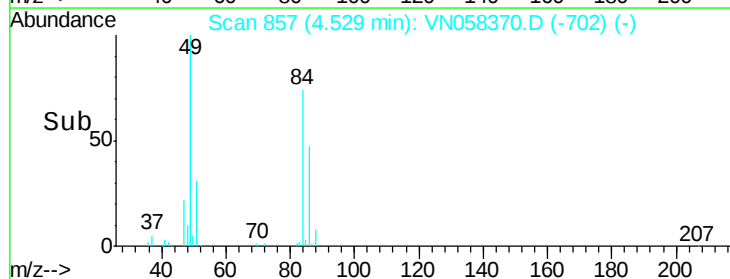
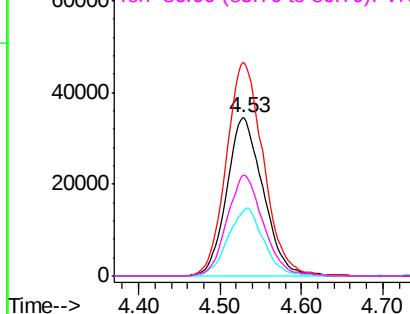
49 134.8 99.8 149.6

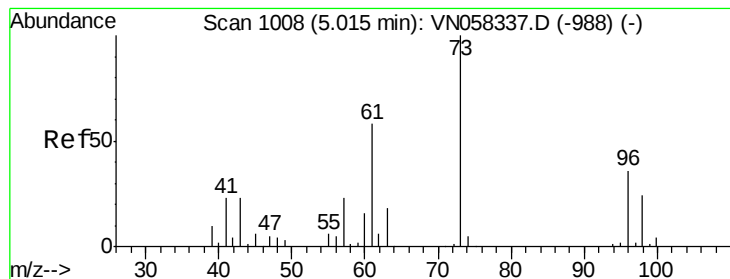
51 41.4 28.3 42.5

86 63.8 49.8 74.6



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: 20.174 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

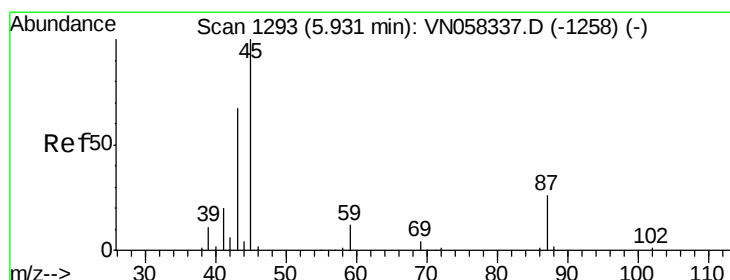
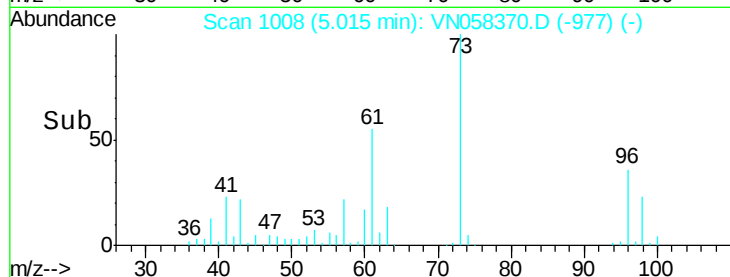
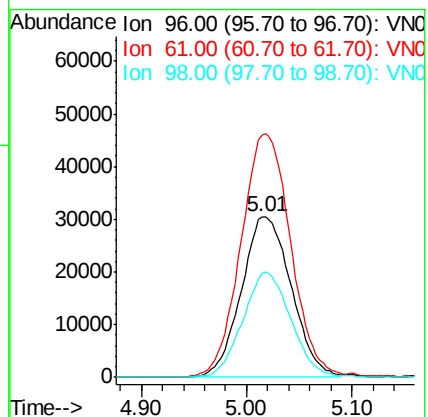
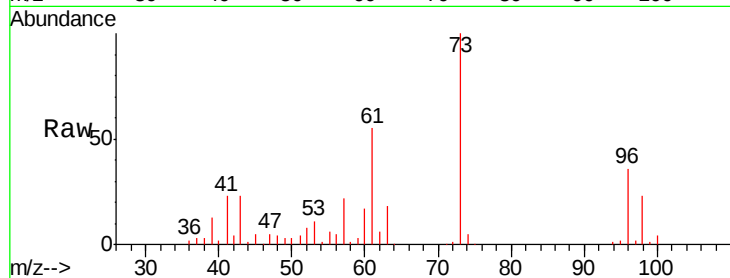
Tgt Ion: 96 Resp: 100463

Ion Ratio Lower Upper

96 100

61 150.5 128.0 192.0

98 64.7 53.0 79.6



#20

Diisopropyl ether

Concen: 19.900 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Tgt Ion: 45 Resp: 351813

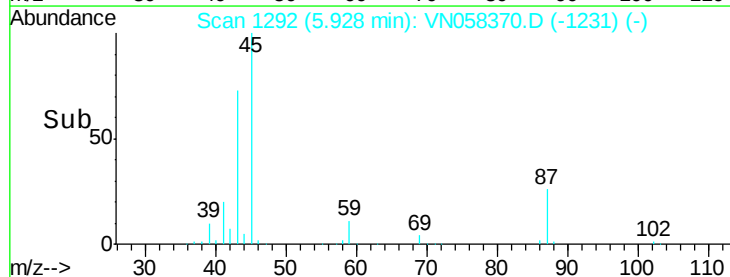
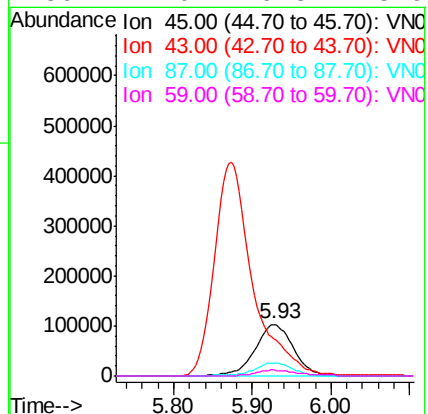
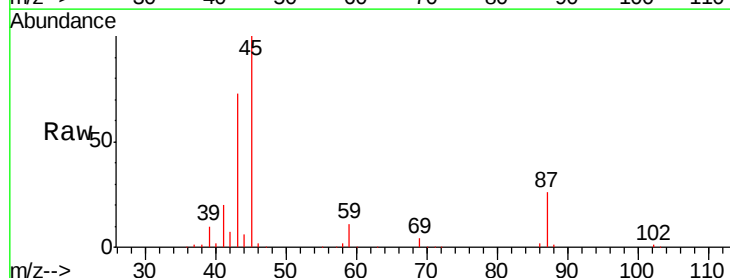
Ion Ratio Lower Upper

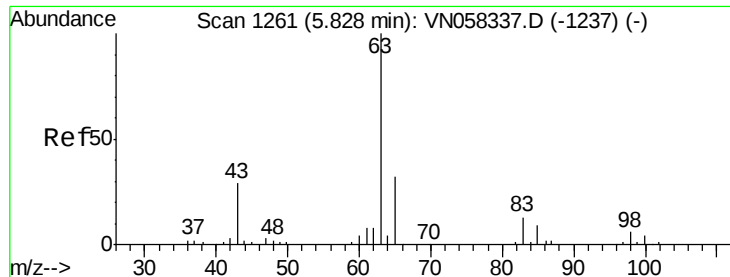
45 100

43 70.0 54.1 81.1

87 25.5 21.4 32.2

59 11.0 9.3 13.9

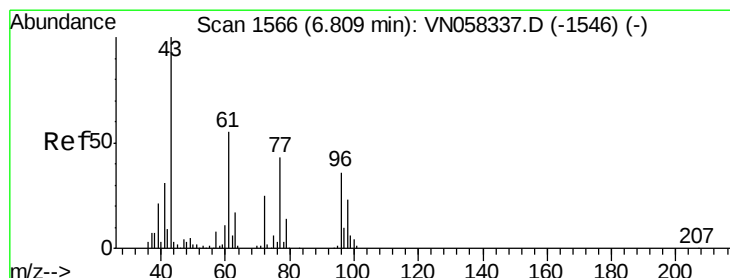
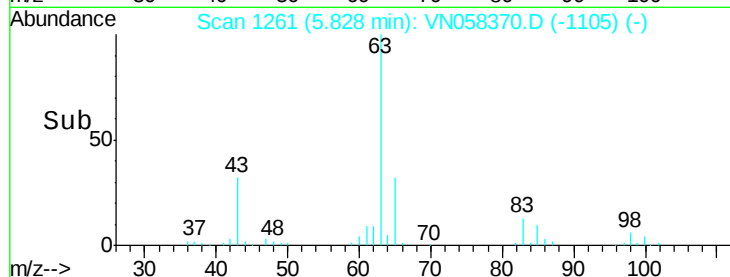
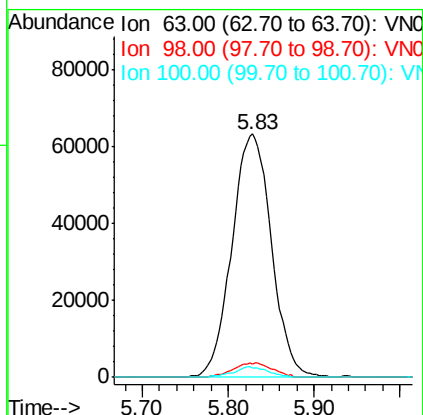
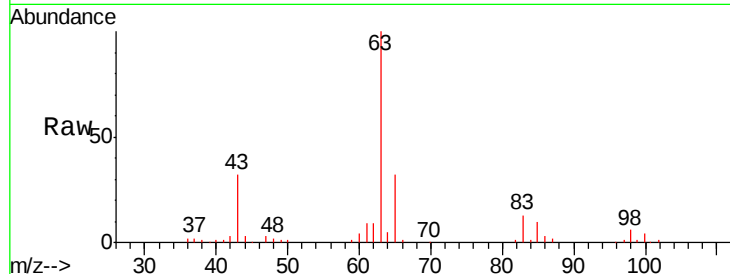




#21
 1,1-Dichloroethane
 Concen: 20.459 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

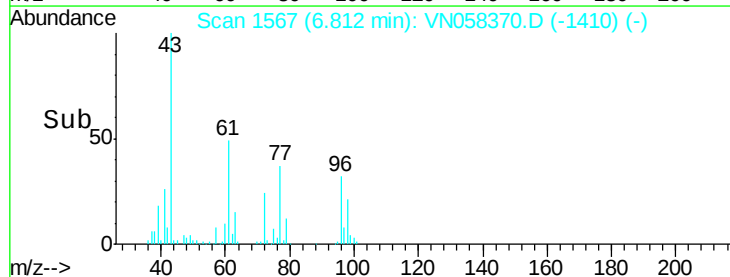
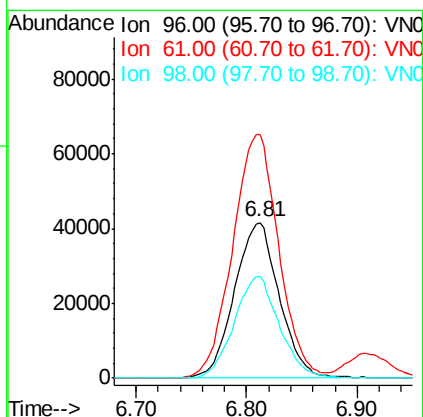
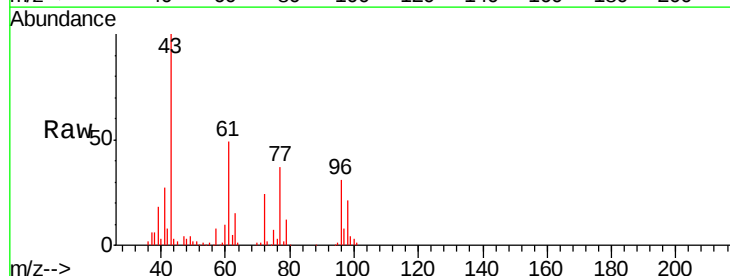
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

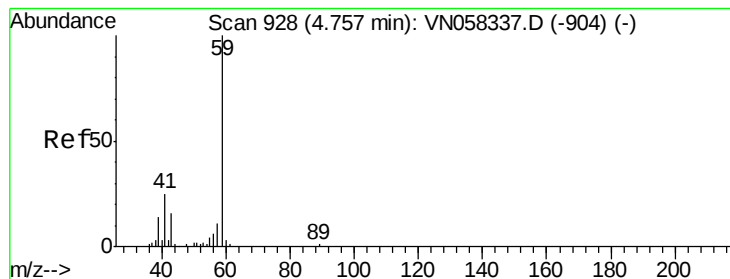
Tgt Ion: 63 Resp: 202406
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.2
 100 4.2 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 20.184 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 96 Resp: 116752
 Ion Ratio Lower Upper
 96 100
 61 161.4 128.2 192.2
 98 65.9 50.6 76.0





#23

tert-Butyl Alcohol

Concen: 89.887 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

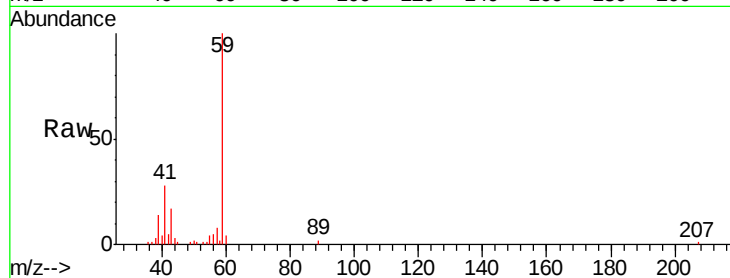
VSTDCCC020

Tgt Ion: 59 Resp: 81058

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

4.75

25000

20000

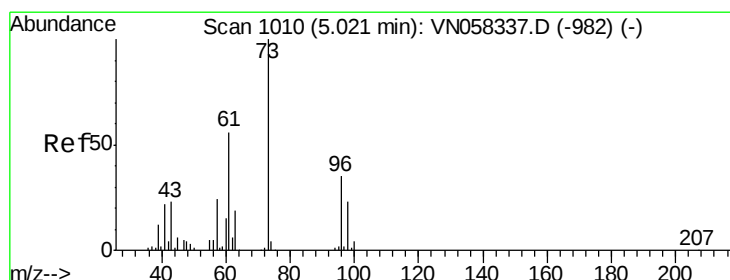
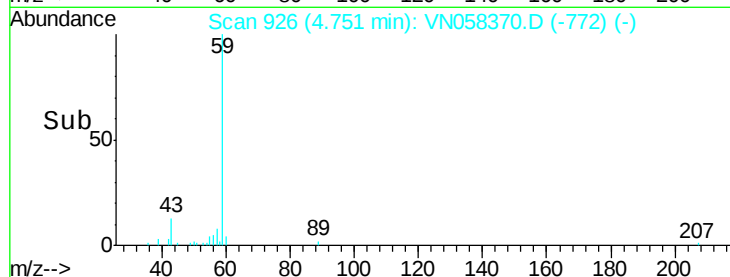
15000

10000

5000

0

Time--> 4.60 4.70 4.80 4.90



#24

Methyl tert-Butyl Ether

Concen: 19.483 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058370.D

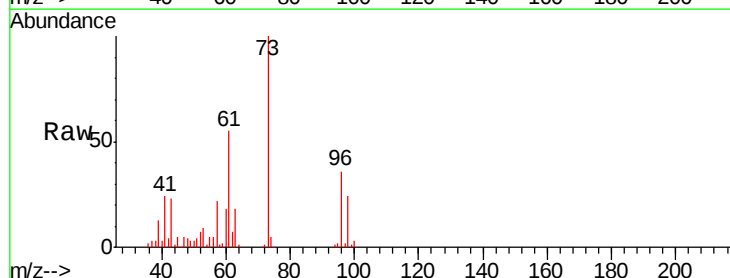
Acq: 26 Sep 2019 9:06

Tgt Ion: 73 Resp: 310650

Ion Ratio Lower Upper

73 100

43 23.8 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

100000

80000

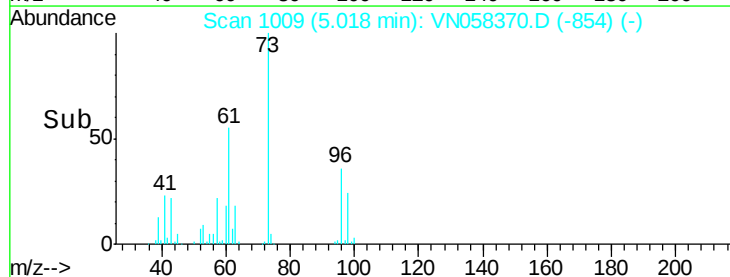
60000

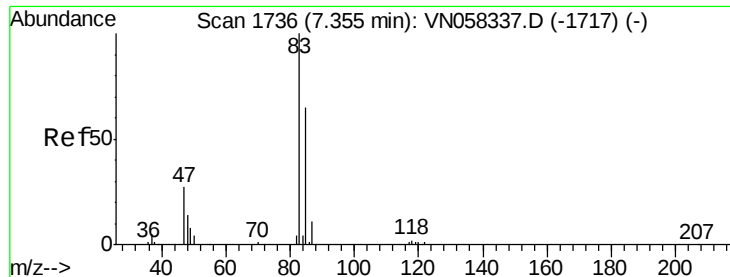
40000

20000

0

Time--> 4.90 5.00 5.10





#25

Chloroform

Concen: 20.196 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

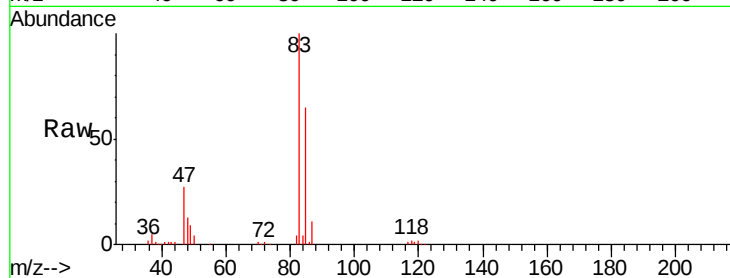
VSTDCCC020

Tgt Ion: 83 Resp: 202317

Ion Ratio Lower Upper

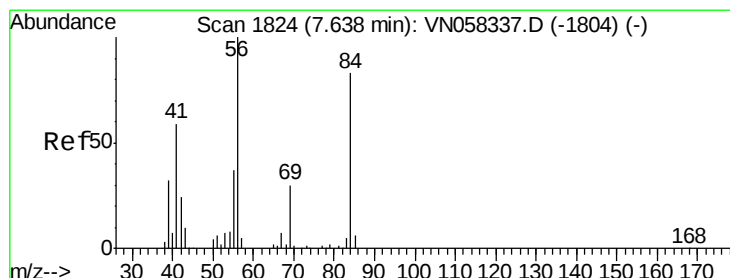
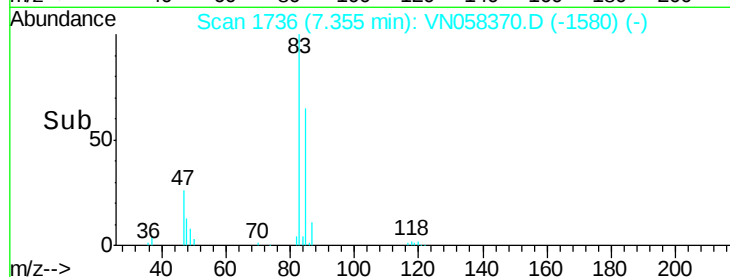
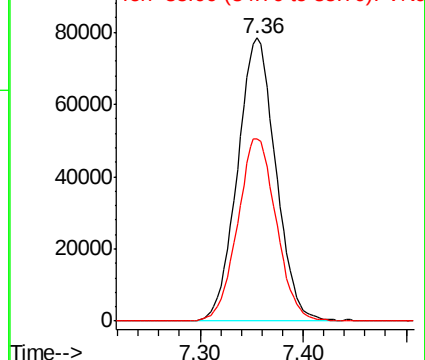
83 100

85 64.6 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 19.715 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

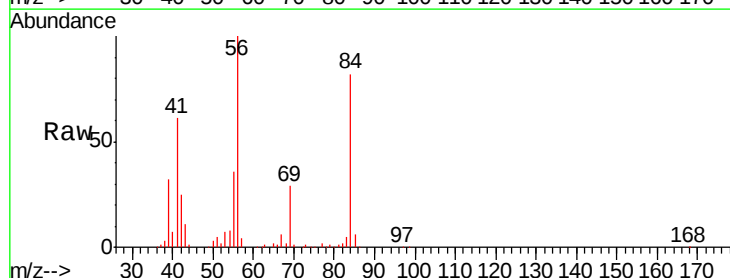
Tgt Ion: 56 Resp: 182303

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

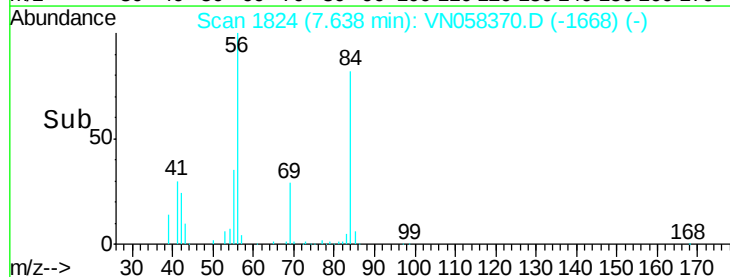
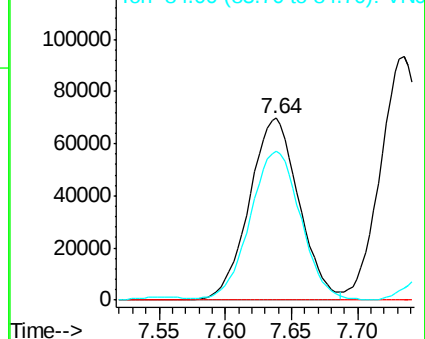
84 83.6 66.9 100.3

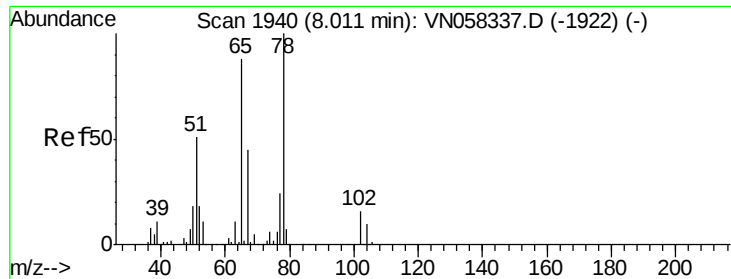


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

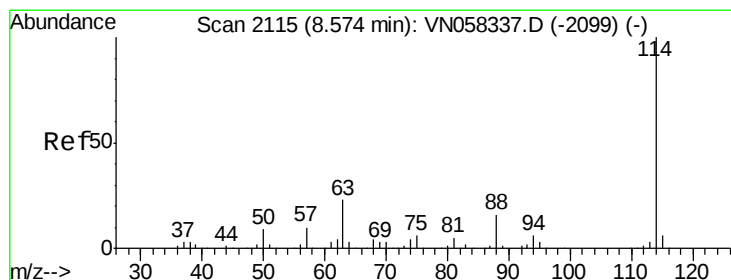
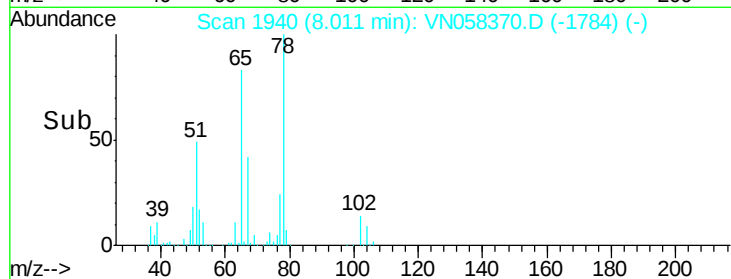
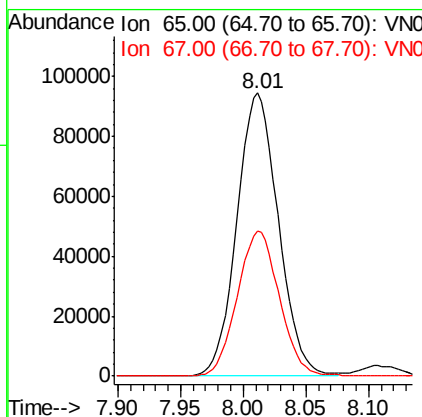
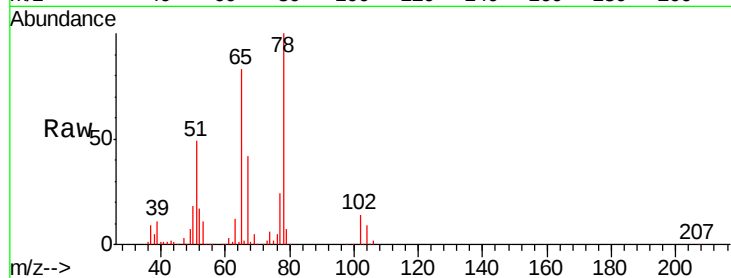




#27
 1,2-Dichloroethane-d4
 Concen: 30.413 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

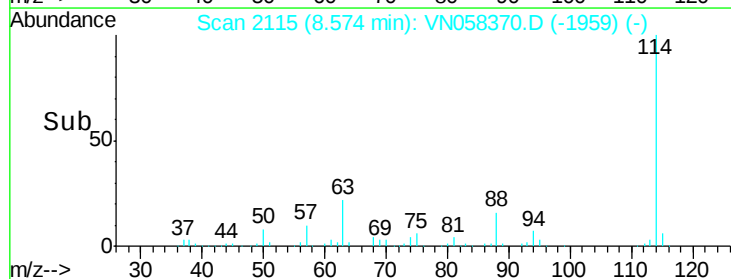
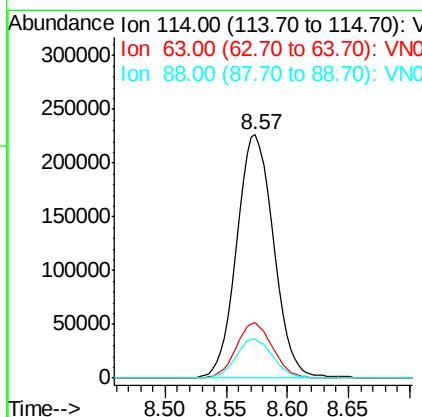
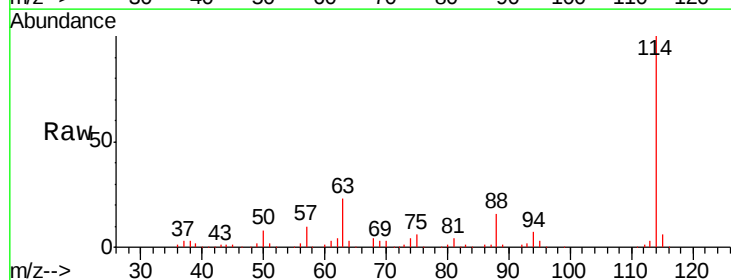
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

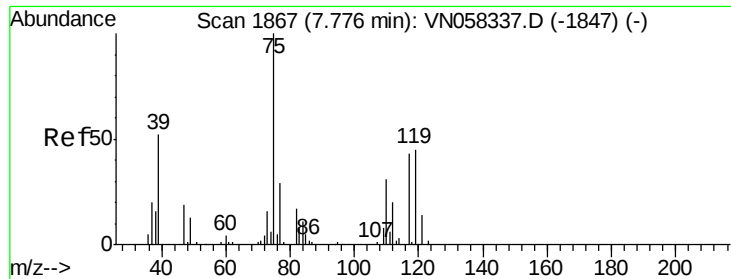
Tgt Ion: 65 Resp: 217538
 Ion Ratio Lower Upper
 65 100
 67 52.0 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 114 Resp: 475079
 Ion Ratio Lower Upper
 114 100
 63 22.7 17.8 26.8
 88 16.1 12.7 19.1

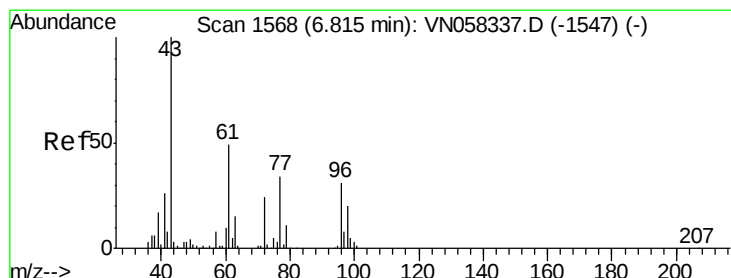
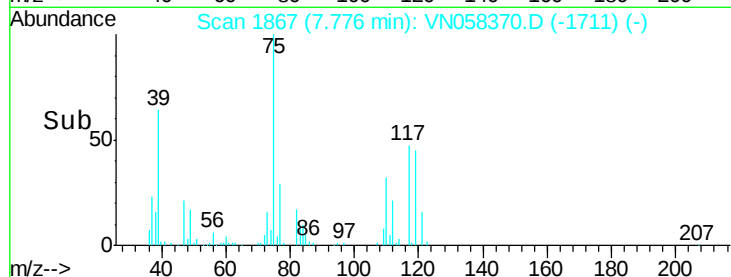
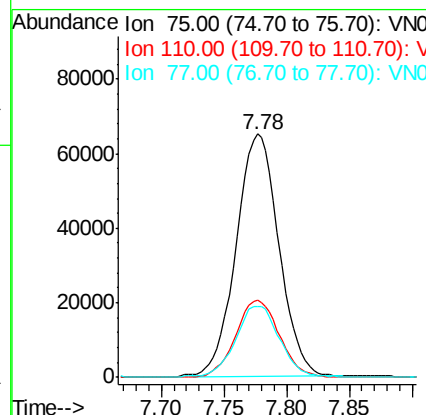
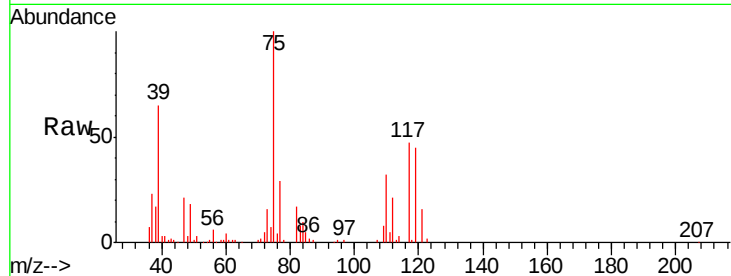




#29
 1,1-Dichloropropene
 Concen: 19.836 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

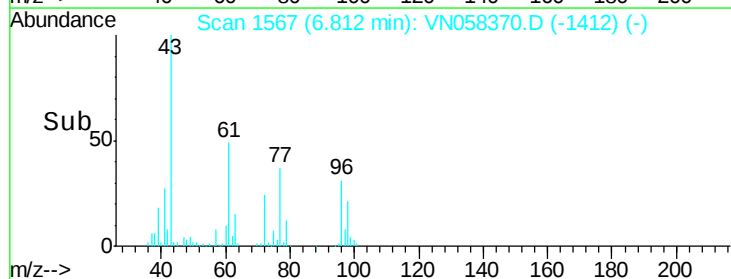
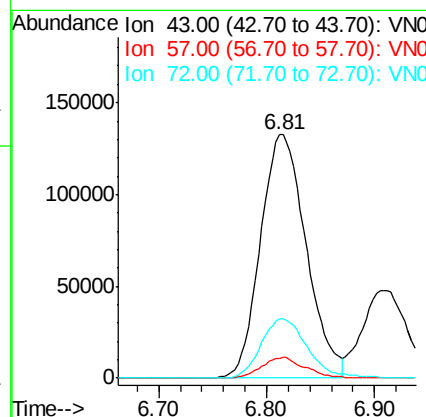
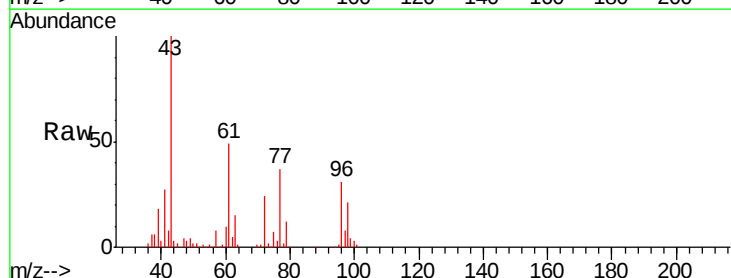
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

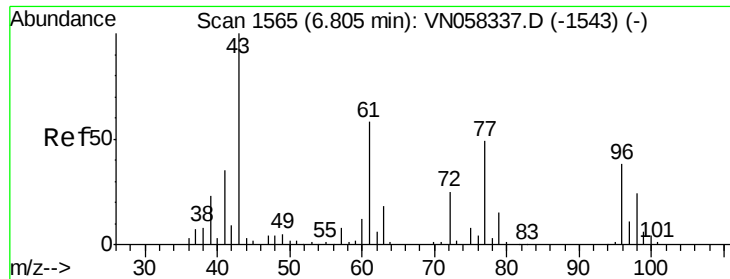
Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	0.0	63.6
77	30.4	0.0	59.4



#30
 2-Butanone
 Concen: 110.107 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.2	9.4
72	24.9	20.3	30.5





#31

2,2-Dichloropropane

Concen: 20.587 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

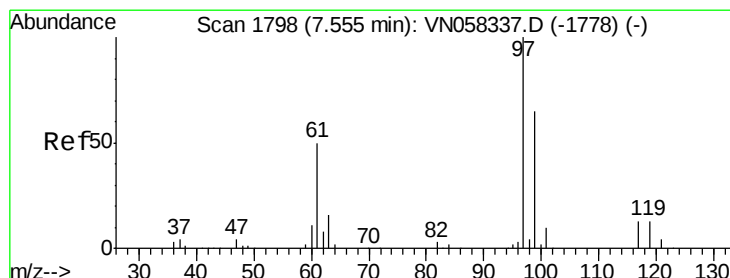
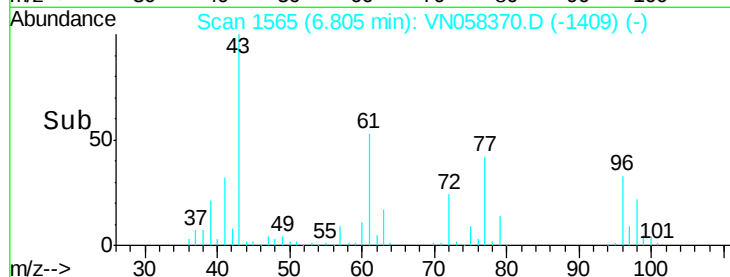
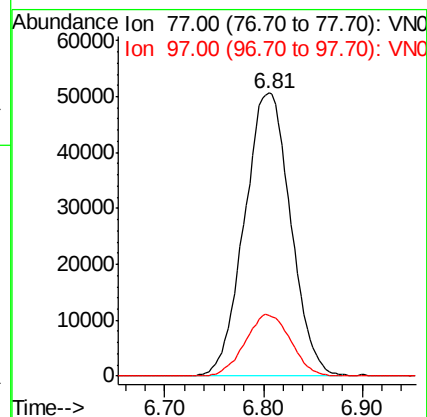
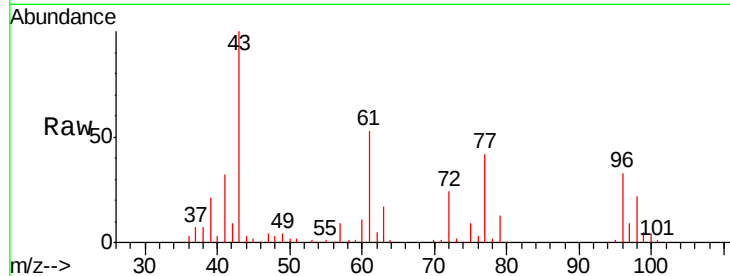
VSTDCCC020

Tgt Ion: 77 Resp: 164364

Ion Ratio Lower Upper

77 100

97 21.4 17.6 26.4



#32

1,1,1-Trichloroethane

Concen: 20.255 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

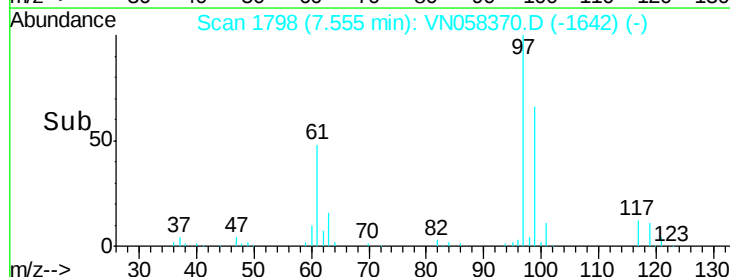
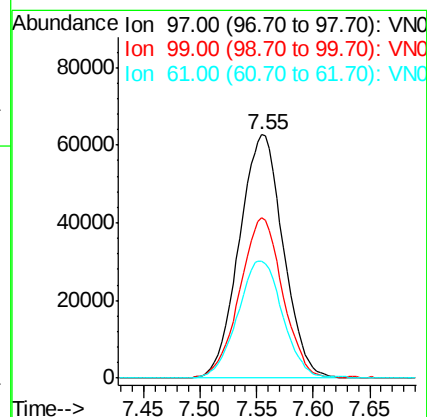
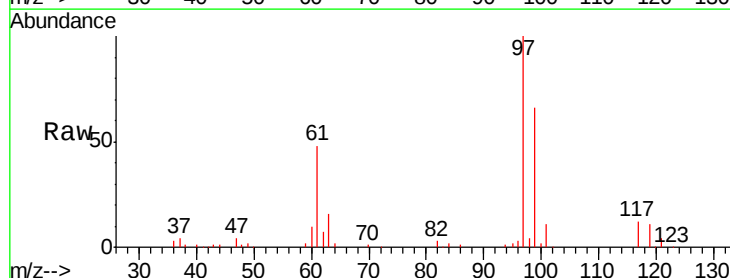
Tgt Ion: 97 Resp: 169420

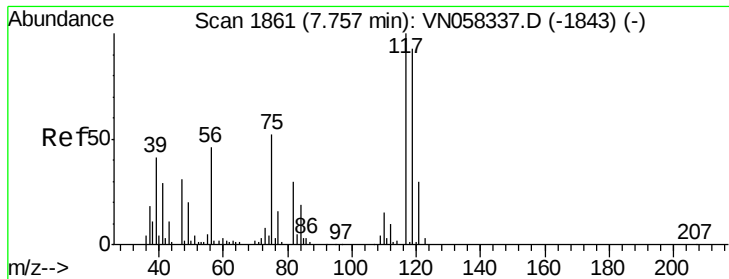
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 49.1 39.4 59.2

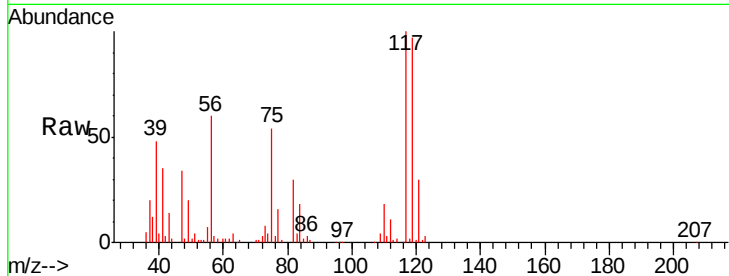




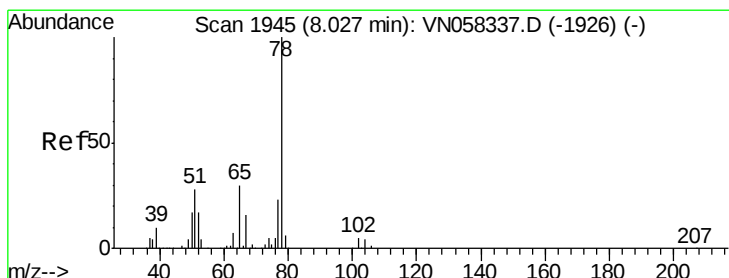
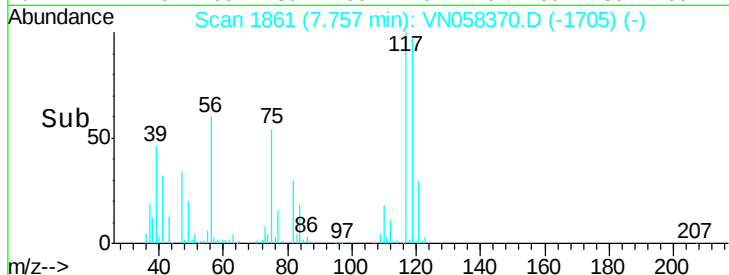
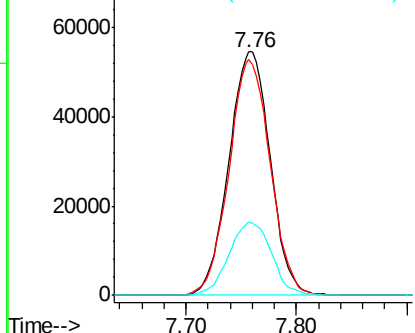
#33
Carbon Tetrachloride
Concen: 19.904 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 117 Resp: 141446
Ion Ratio Lower Upper
117 100
119 96.6 74.2 111.4
121 30.1 23.9 35.9

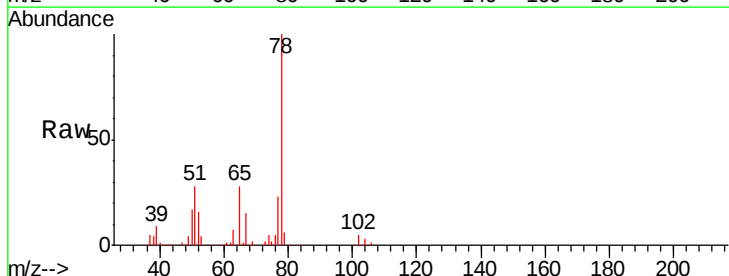


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

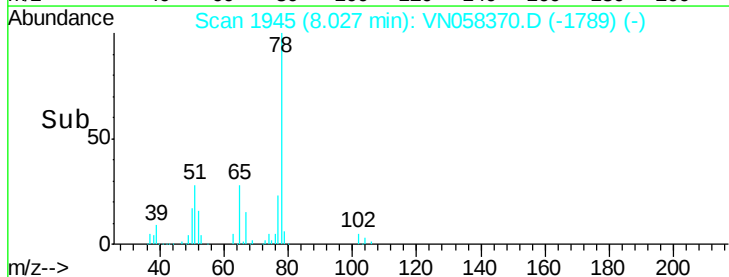
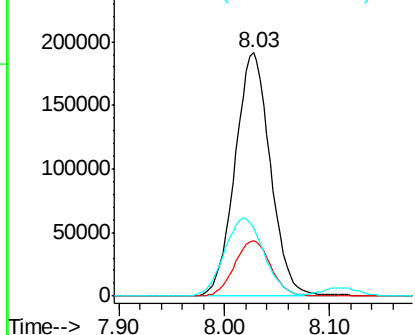


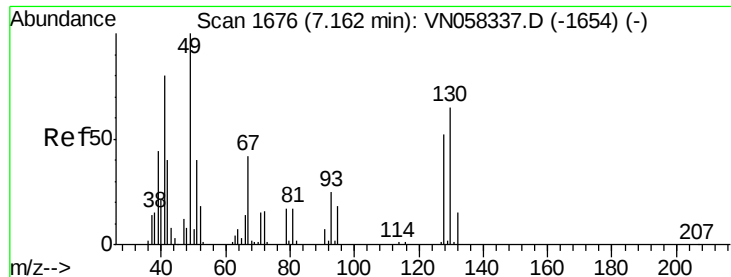
#34
Benzene
Concen: 20.213 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 78 Resp: 444655
Ion Ratio Lower Upper
78 100
77 22.6 18.8 28.2
51 28.0 22.4 33.6



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

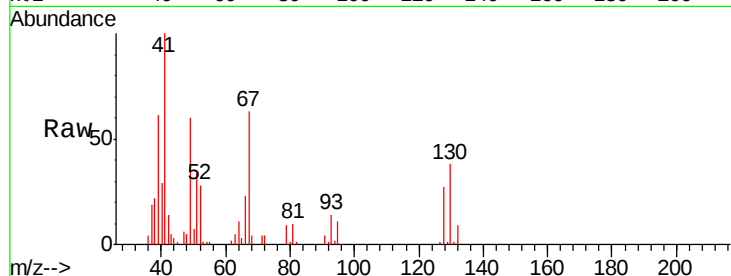




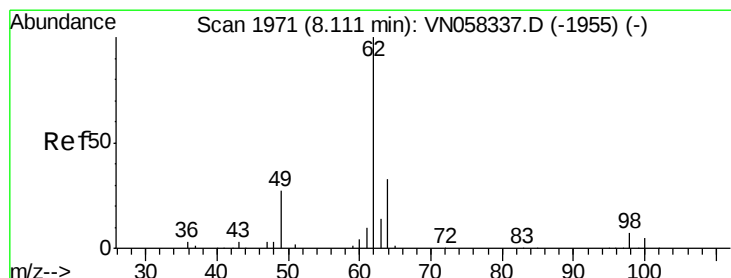
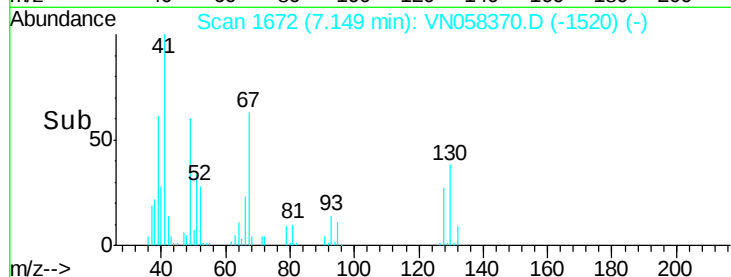
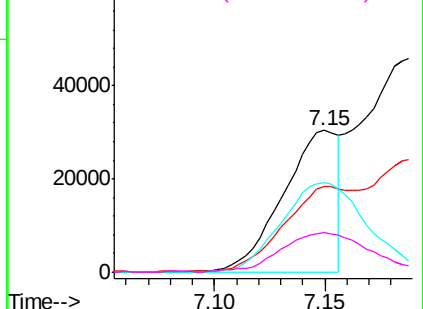
#35
Methacrylonitrile
Concen: 17.510 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	53032
Ion	Ratio	Lower	Upper
41	100		
39	60.3	27.3	81.9
67	62.9	26.3	78.9
52	27.2	11.0	33.0

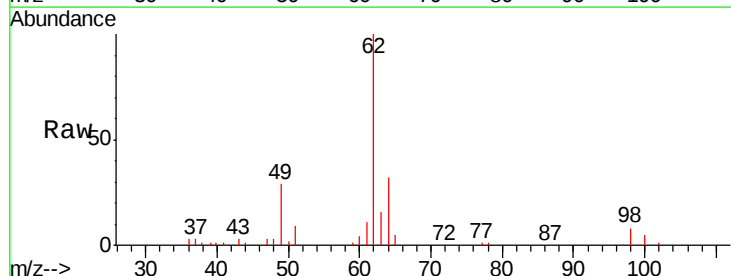


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

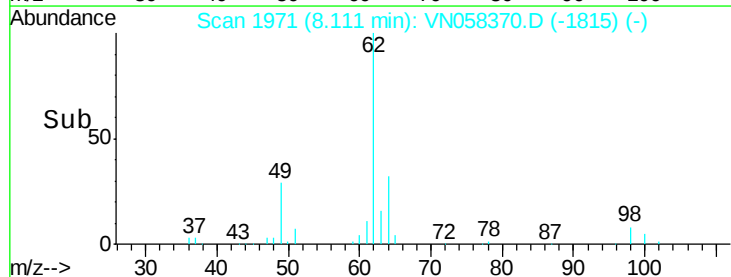
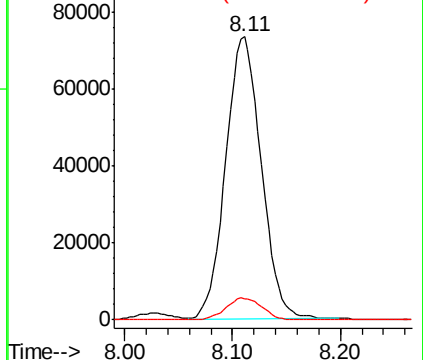


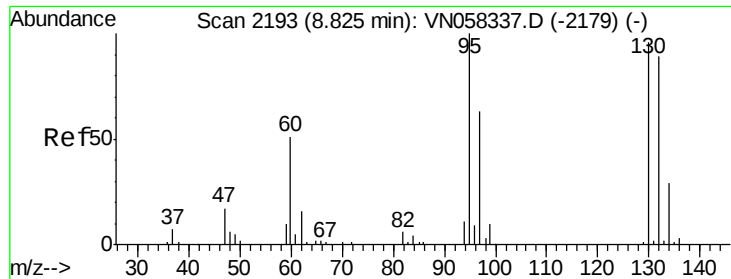
#36
1,2-Dichloroethane
Concen: 19.589 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion:	62	Resp:	168815
Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

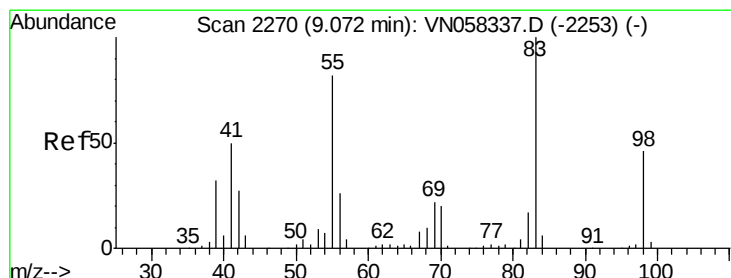
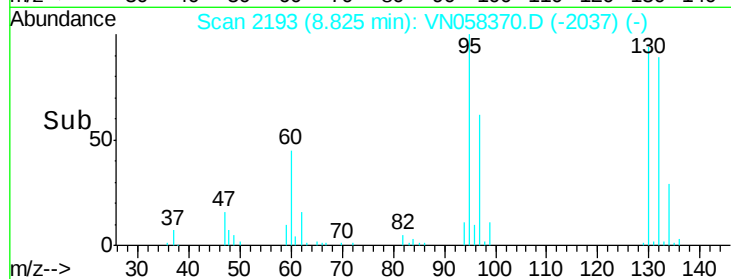
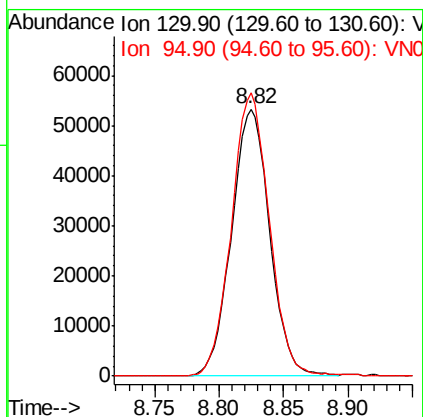
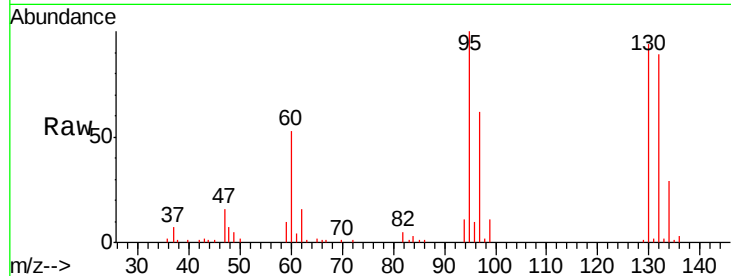




#37
 Trichloroethene
 Concen: 19.945 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

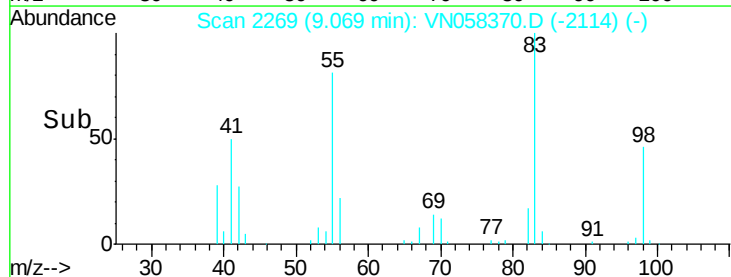
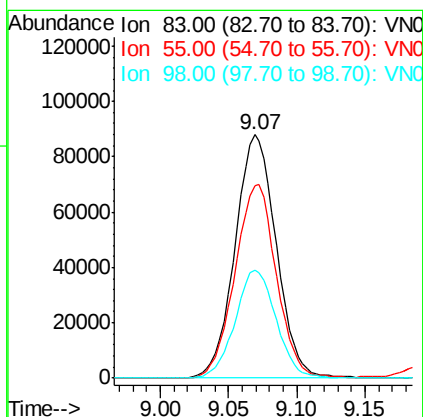
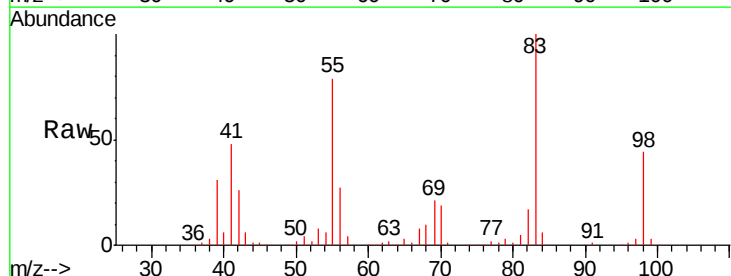
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

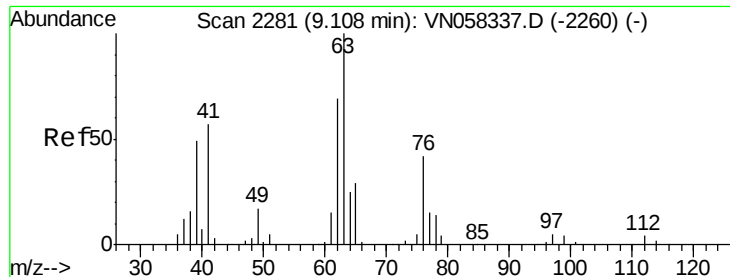
Tgt Ion: 130 Resp: 109844
 Ion Ratio Lower Upper
 130 100
 95 106.1 83.3 124.9



#38
 Methylcyclohexane
 Concen: 19.630 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 83 Resp: 184073
 Ion Ratio Lower Upper
 83 100
 55 80.3 40.5 121.4
 98 44.3 23.1 69.2

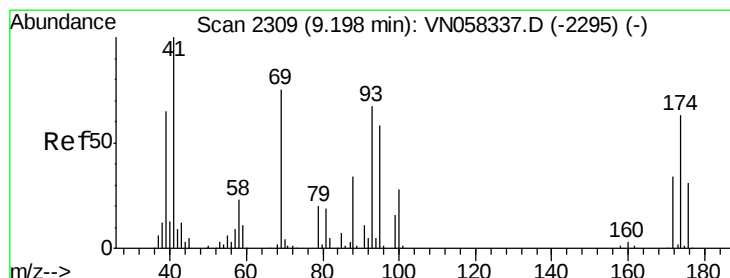
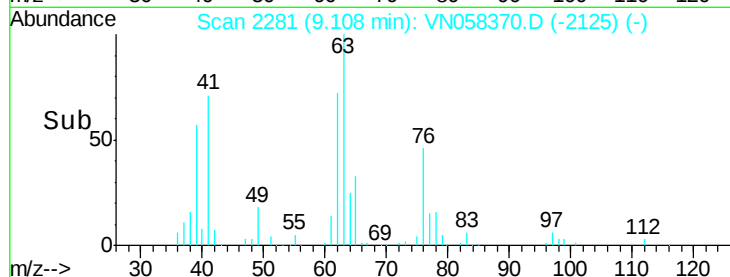
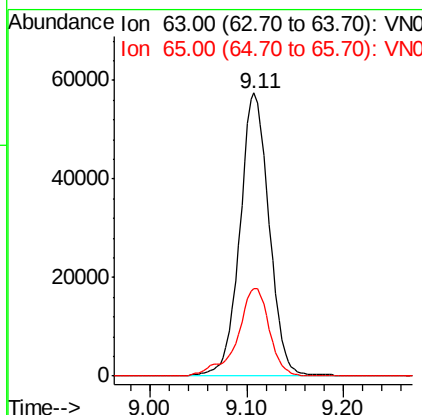
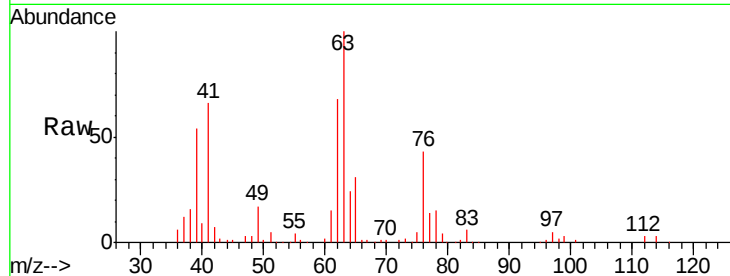




#39
 1,2-Dichloropropane
 Concen: 20.144 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

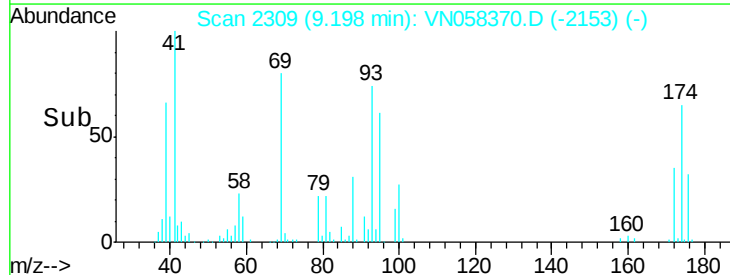
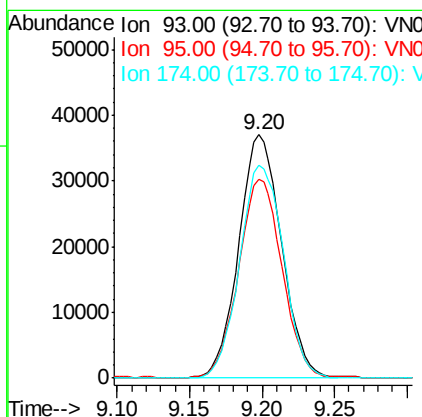
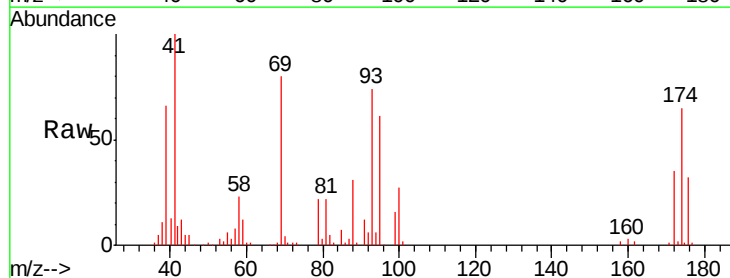
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

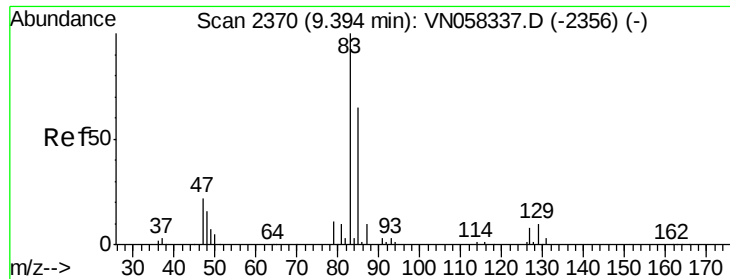
Tgt Ion: 63 Resp: 120877
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.4 35.0



#40
 Dibromomethane
 Concen: 20.068 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 93 Resp: 76003
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 166.8
 174 89.3 0.0 187.2





#41

Bromodichloromethane

Concen: 19.979 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

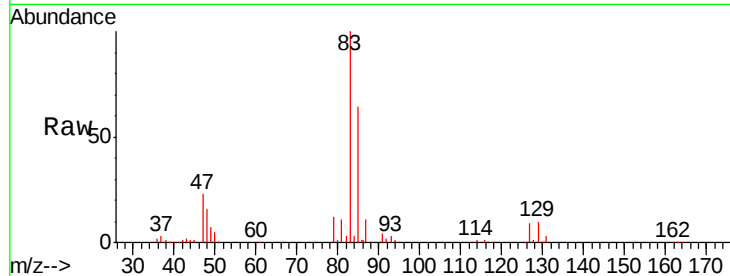
Tgt Ion: 83 Resp: 149557

Ion Ratio Lower Upper

83 100

85 63.8 52.0 78.0

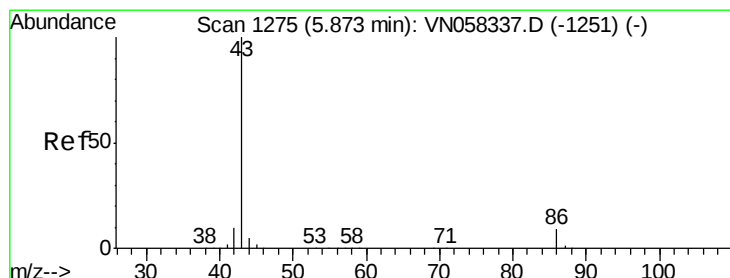
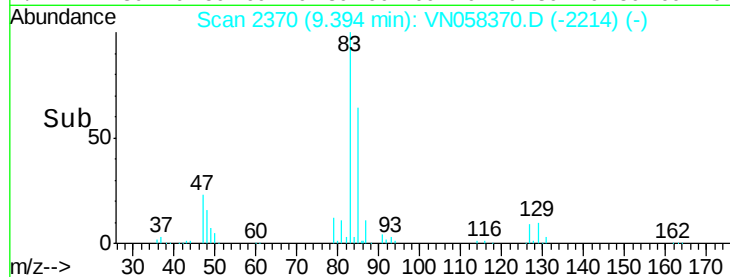
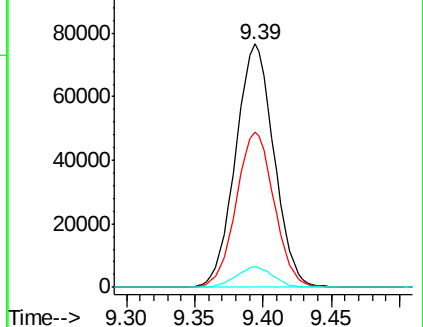
127 8.6 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN058370.D (-2214) (-)

Ion 85.00 (84.70 to 85.70): VN058370.D (-2214) (-)

Ion 127.00 (126.70 to 127.70): VN058370.D (-2214) (-)



#42

Vinyl Acetate

Concen: 107.094 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058370.D

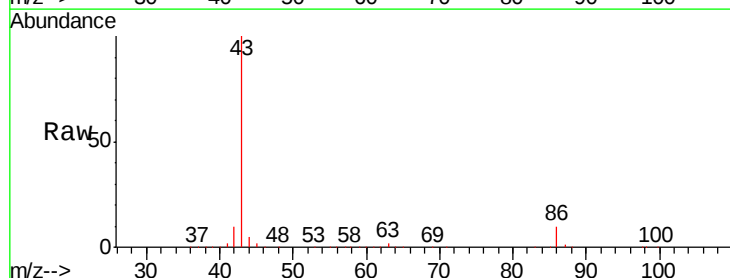
Acq: 26 Sep 2019 9:06

Tgt Ion: 43 Resp: 1439808

Ion Ratio Lower Upper

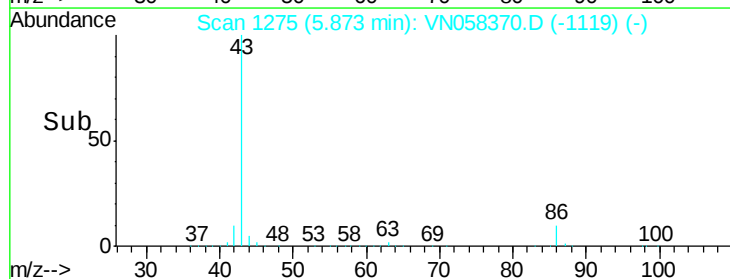
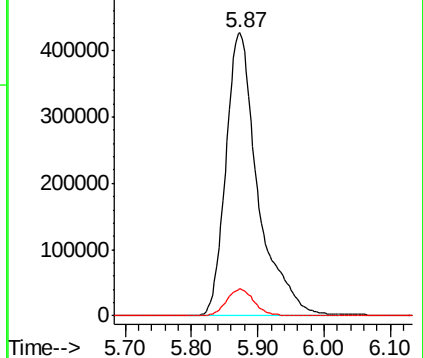
43 100

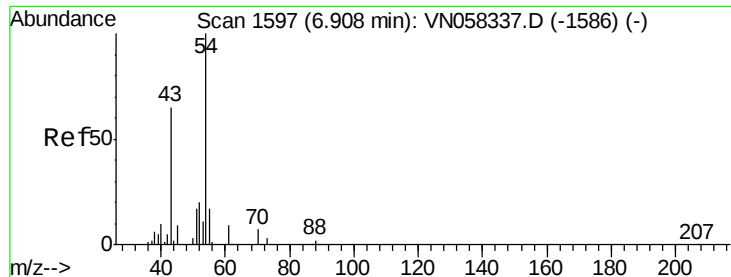
86 8.3 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN058370.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN058370.D (-1119) (-)

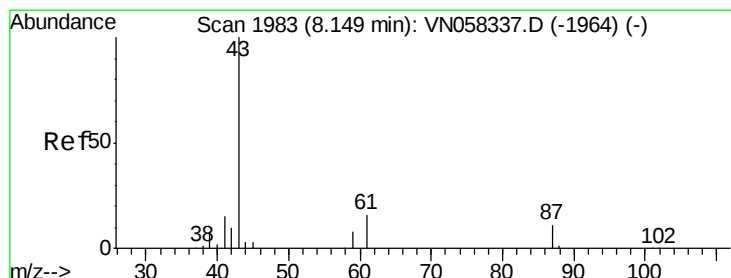
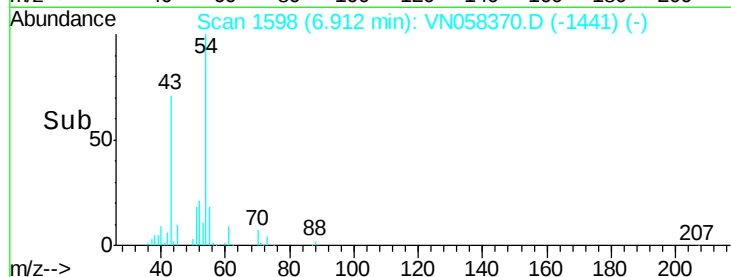
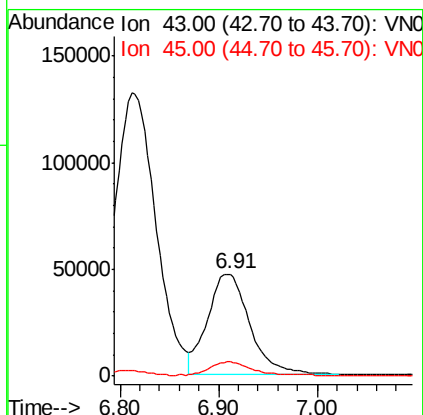
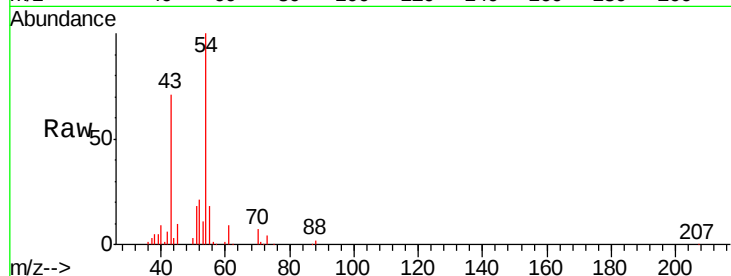




#43
Ethyl Acetate
Concen: 20.221 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

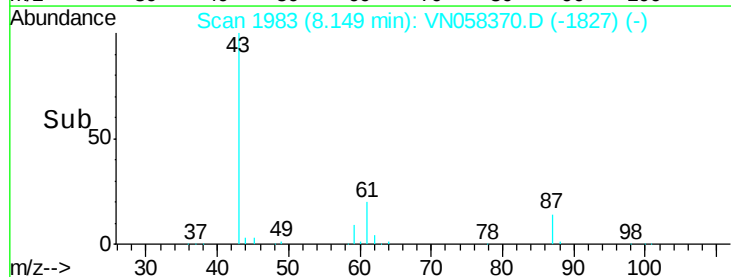
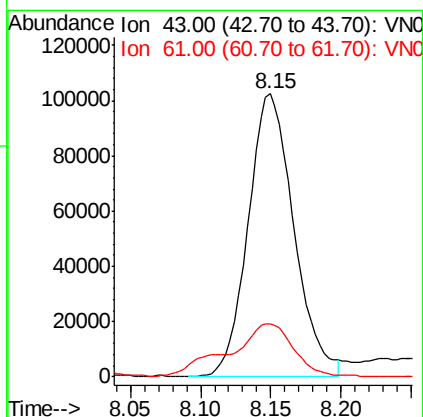
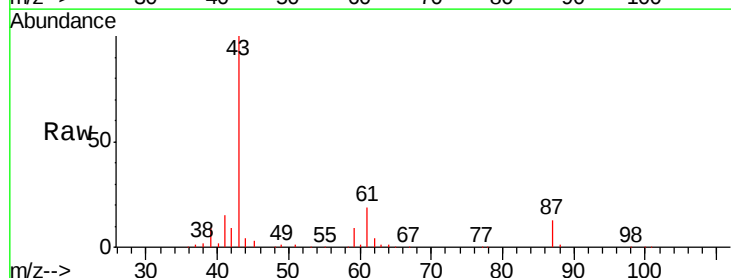
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

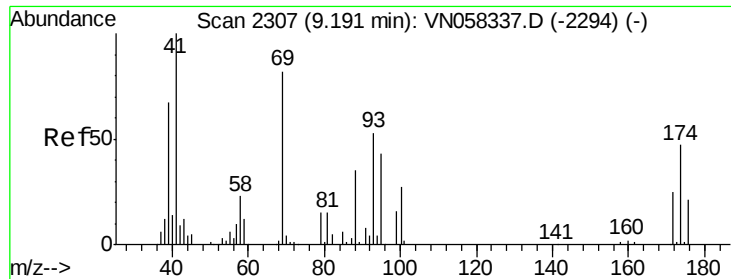
Tgt Ion: 43 Resp: 141369
Ion Ratio Lower Upper
43 100
45 12.2 9.8 14.6



#44
Isopropyl Acetate
Concen: 18.420 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 43 Resp: 230526
Ion Ratio Lower Upper
43 100
61 18.3 14.4 21.6

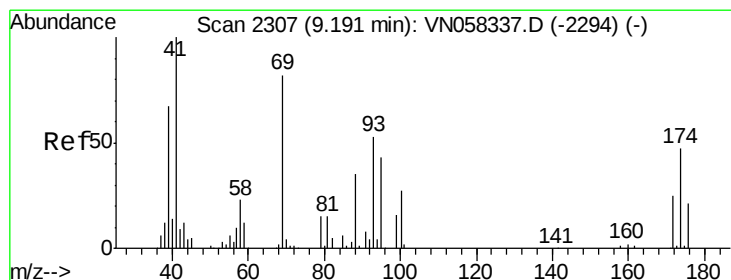
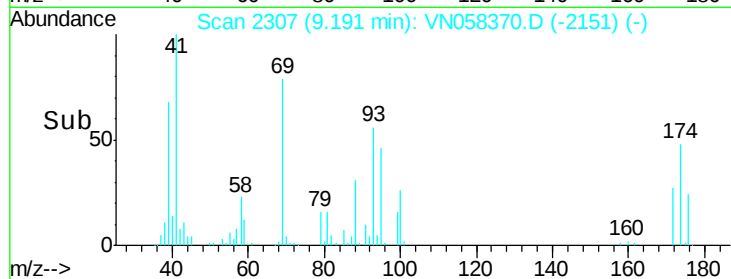
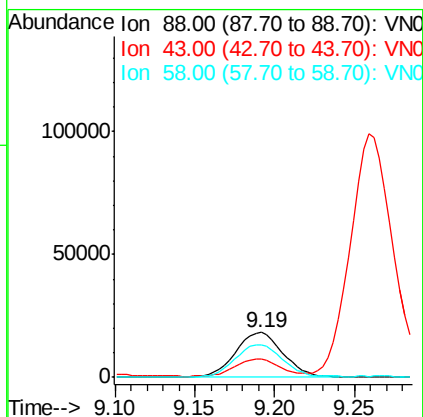
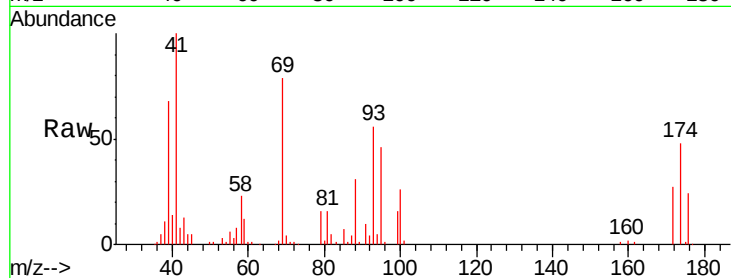




#45
 1,4-Dioxane
 Concen: 354.524 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

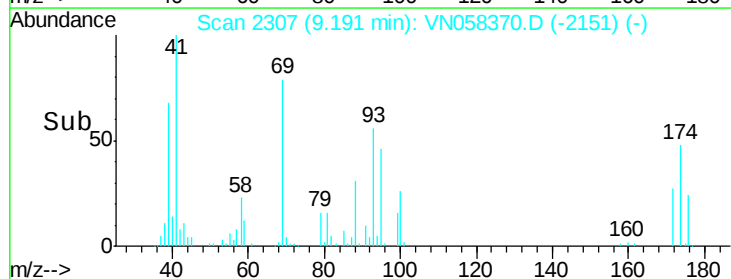
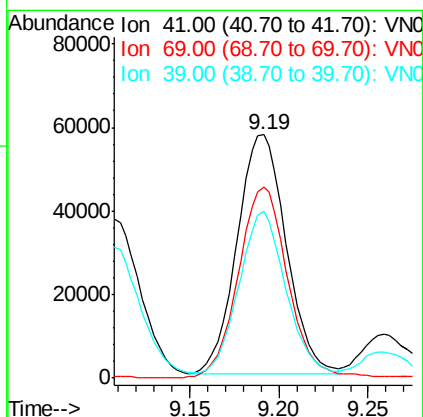
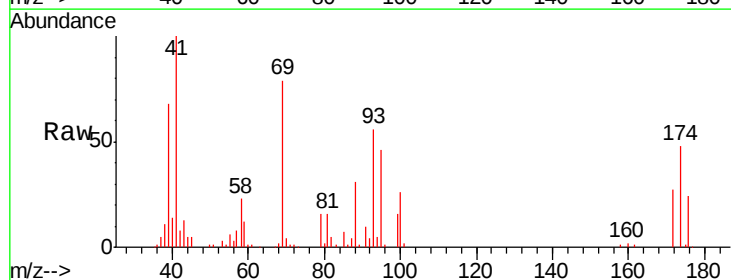
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

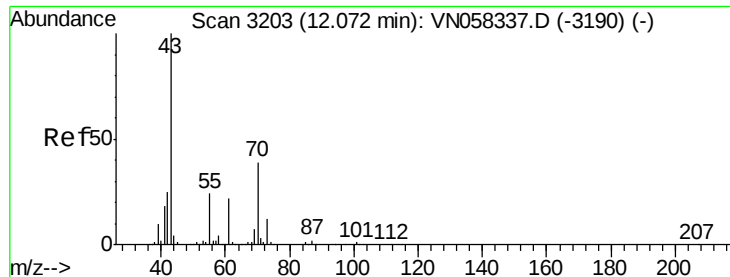
Tgt Ion: 88 Resp: 37431
 Ion Ratio Lower Upper
 88 100
 43 36.0 27.2 40.8
 58 73.4 55.4 83.0



#46
 Methyl methacrylate
 Concen: 18.607 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 41 Resp: 110364
 Ion Ratio Lower Upper
 41 100
 69 79.6 40.9 122.7
 39 67.3 33.6 100.6

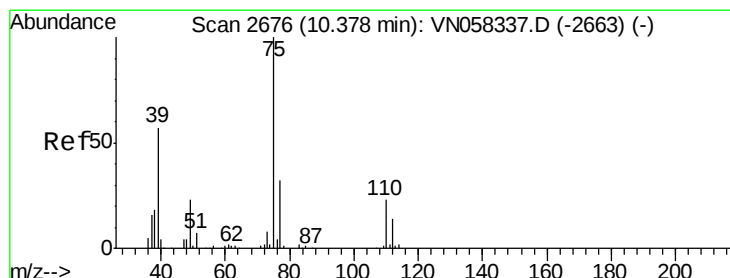
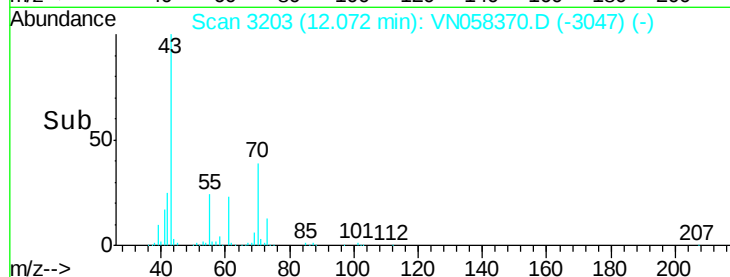
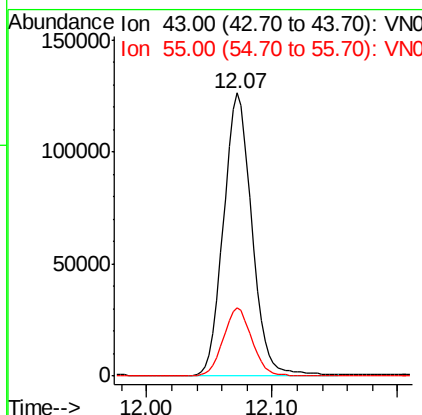
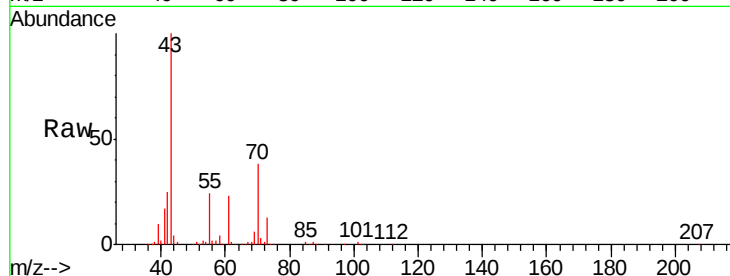




#47
n-amyl Acetate
Concen: 18.115 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

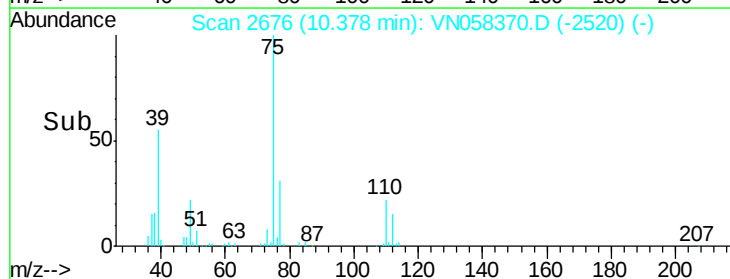
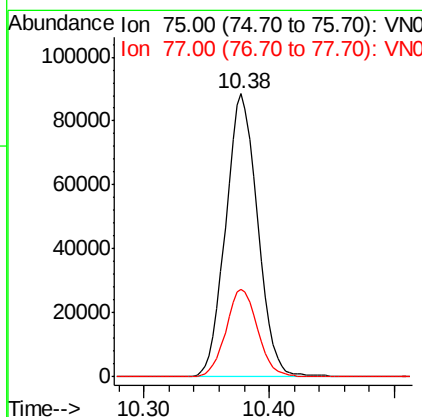
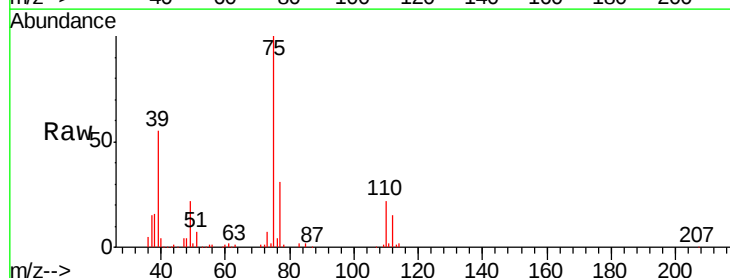
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

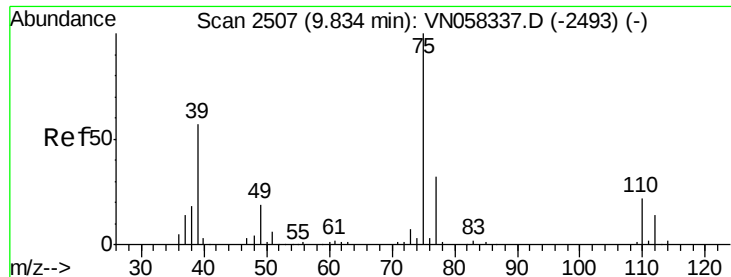
Tgt Ion: 43 Resp: 197335
Ion Ratio Lower Upper
43 100
55 24.5 19.0 28.4



#48
t-1,3-Dichloropropene
Concen: 19.142 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 75 Resp: 156576
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0



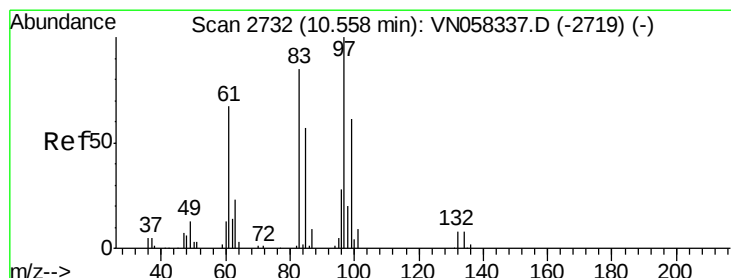
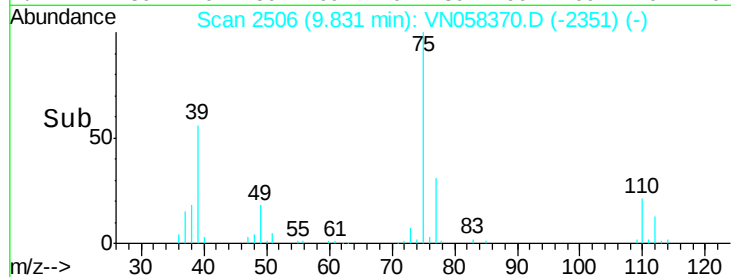
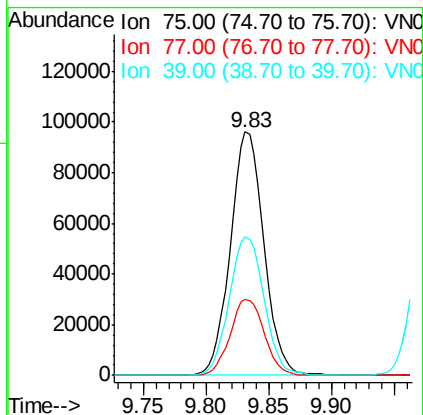
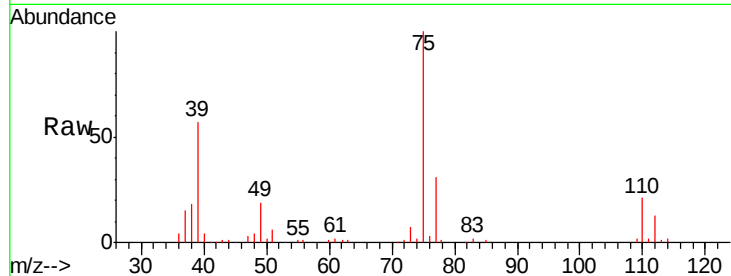


#49

cis-1,3-Dichloropropene
 Concen: 19.618 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

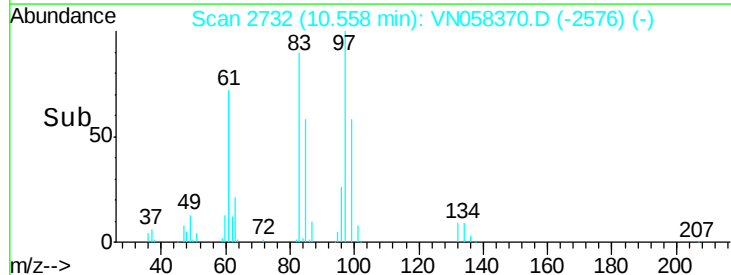
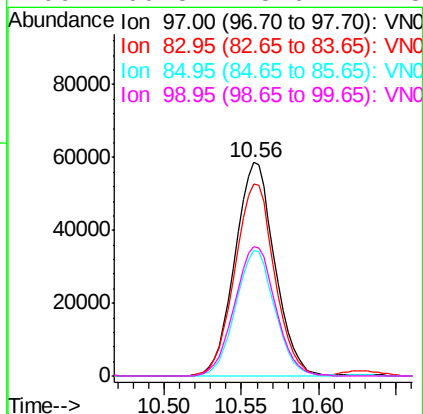
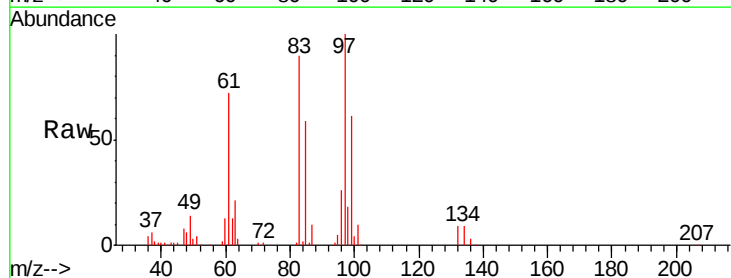
Tgt Ion: 75 Resp: 178661
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 56.6 45.8 68.6

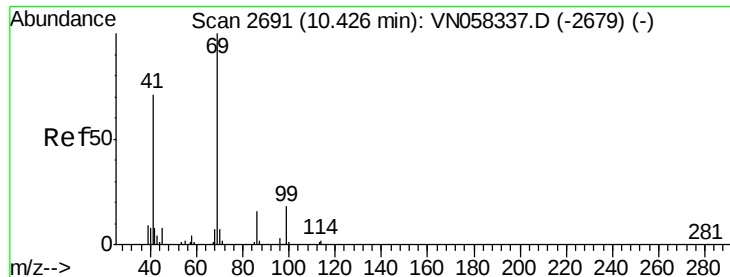


#50

1,1,2-Trichloroethane
 Concen: 19.879 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 97 Resp: 105219
 Ion Ratio Lower Upper
 97 100
 83 89.7 67.8 101.6
 85 58.7 45.8 68.6
 99 60.8 48.6 72.8





#51

Ethyl methacrylate

Concen: 18.583 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

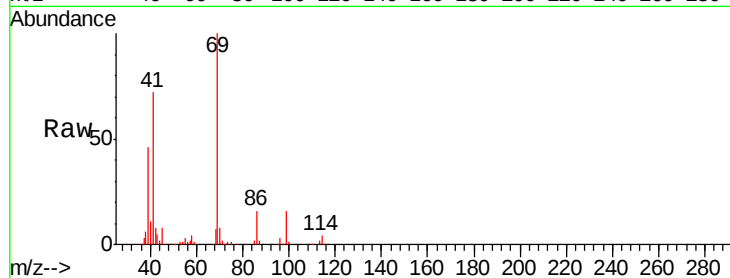
Tgt Ion: 69 Resp: 155622

Ion Ratio Lower Upper

69 100

41 71.3 35.4 106.1

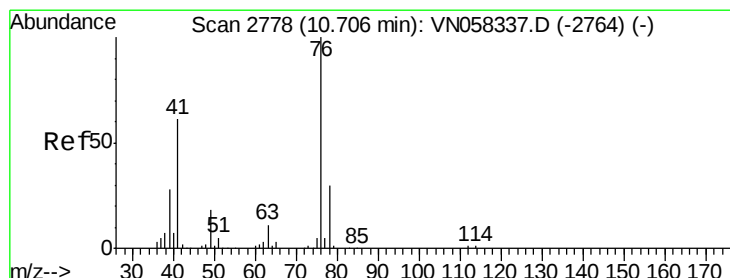
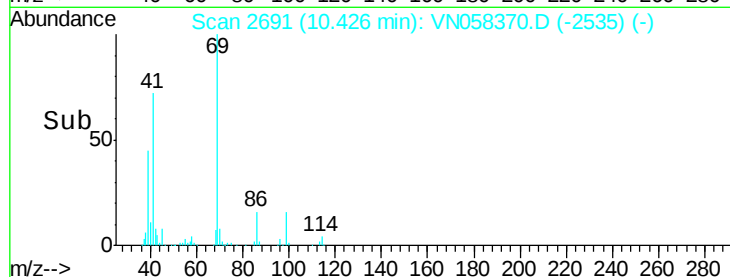
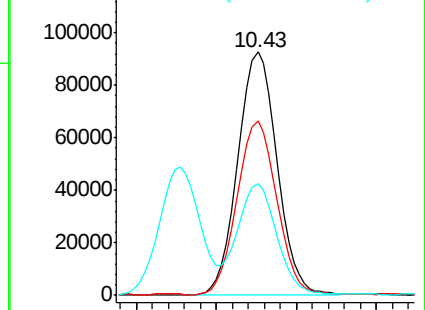
39 44.8 23.5 70.5



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: 19.557 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058370.D

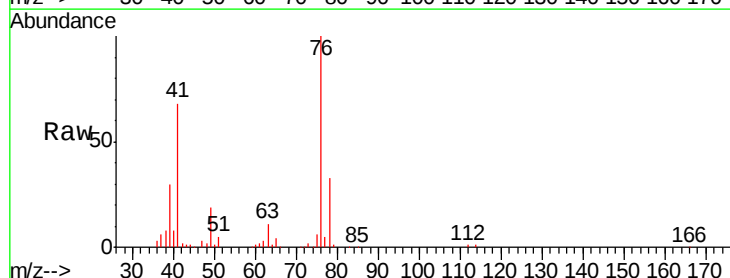
Acq: 26 Sep 2019 9:06

Tgt Ion: 76 Resp: 183840

Ion Ratio Lower Upper

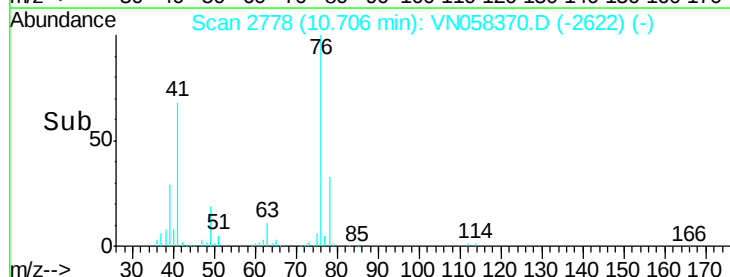
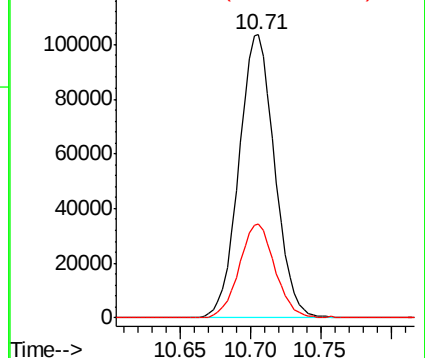
76 100

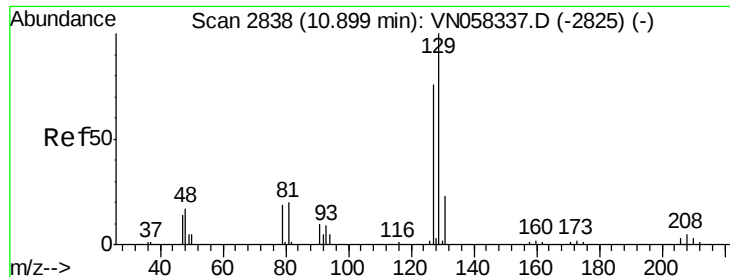
78 33.1 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

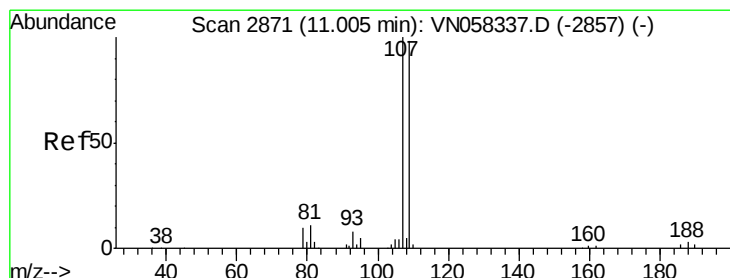
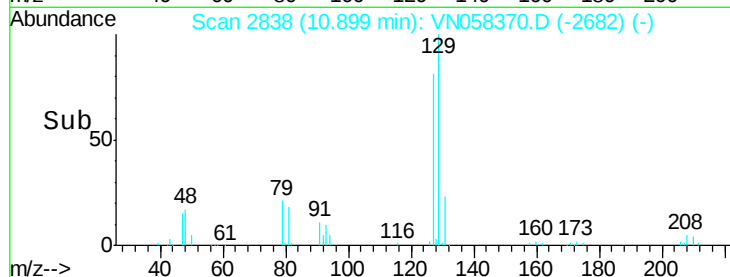
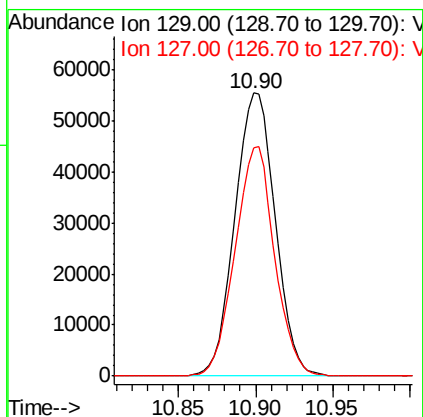
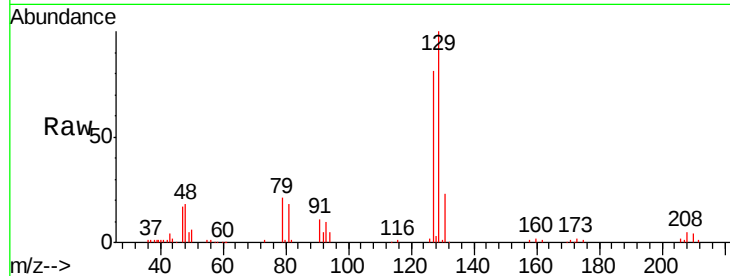




#53
Dibromochloromethane
Concen: 18.944 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

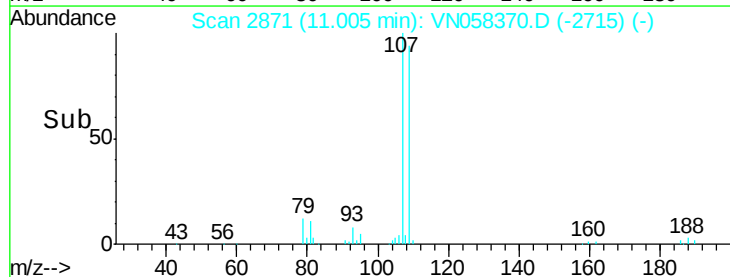
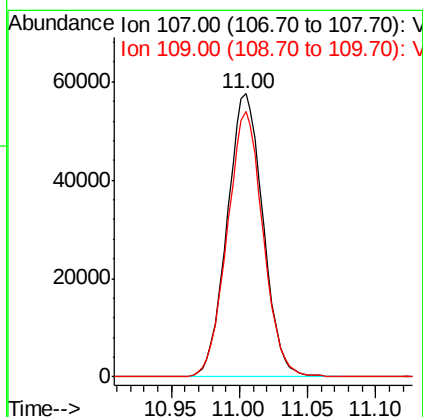
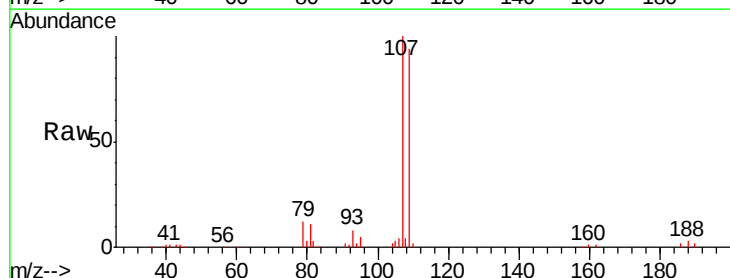
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

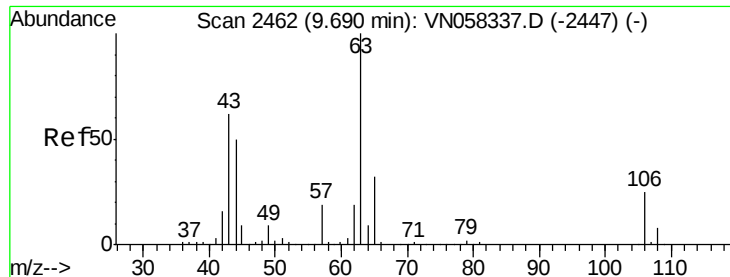
Tgt Ion:129 Resp: 100732
Ion Ratio Lower Upper
129 100
127 79.3 38.4 115.2



#54
1,2-Dibromoethane
Concen: 19.480 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion:107 Resp: 105220
Ion Ratio Lower Upper
107 100
109 93.3 76.5 114.7

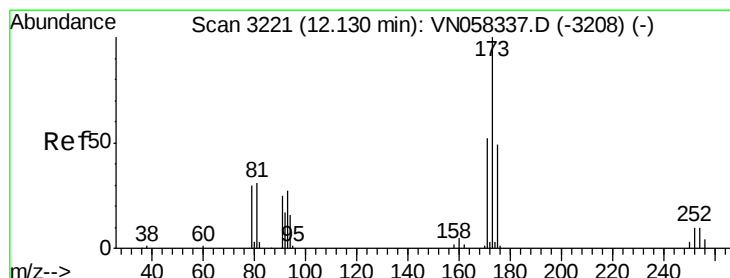
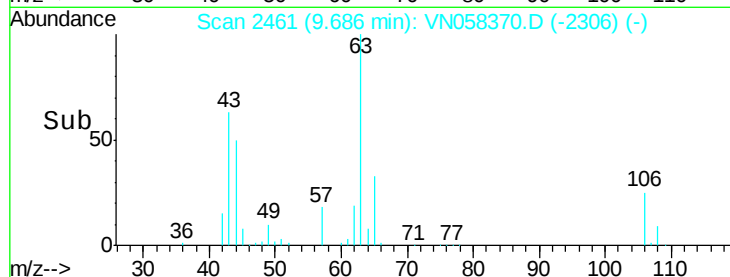
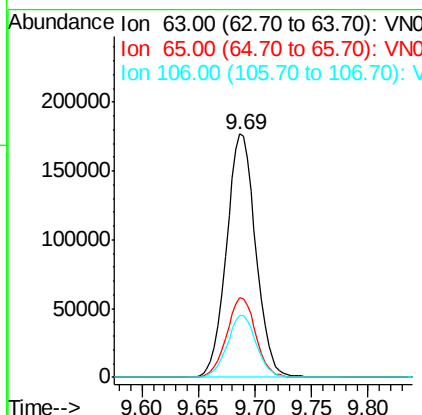
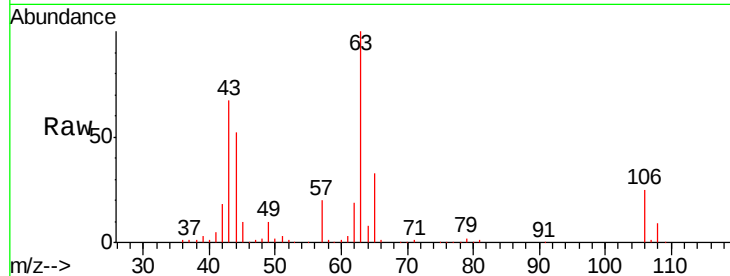




#55
2-Chloroethyl vinyl ether
Concen: 89.701 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

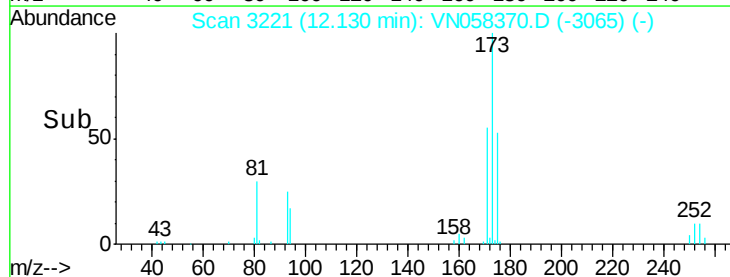
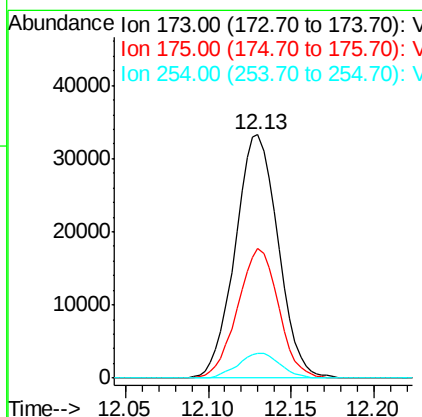
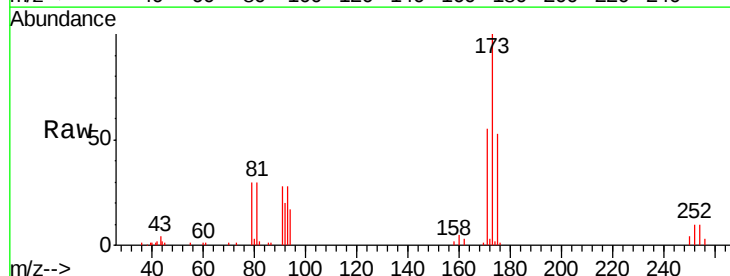
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

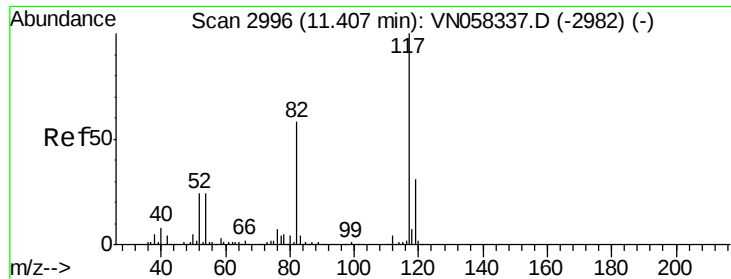
Tgt Ion: 63 Resp: 318074
Ion Ratio Lower Upper
63 100
65 32.6 25.4 38.2
106 25.2 20.4 30.6



#56
Bromoform
Concen: 17.927 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 173 Resp: 60127
Ion Ratio Lower Upper
173 100
175 50.7 38.8 58.2
254 9.8 7.8 11.8

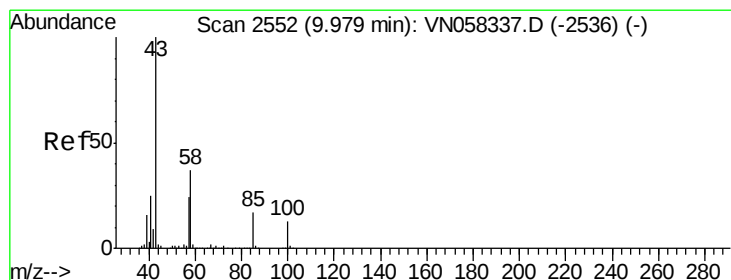
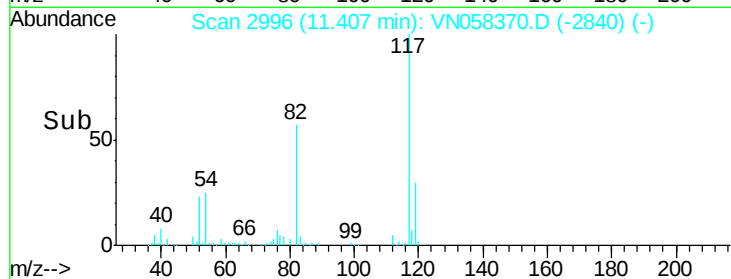
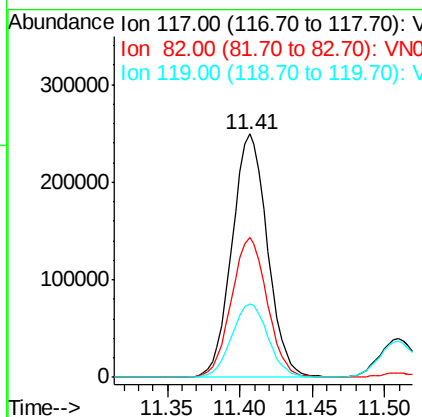
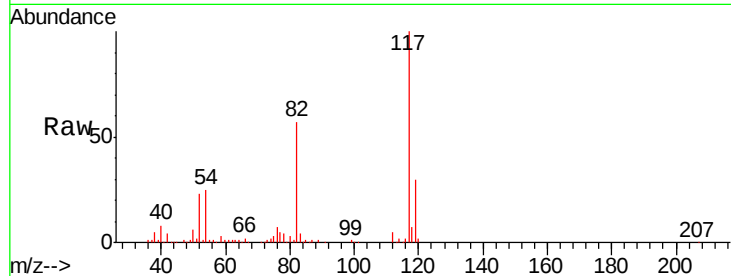




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

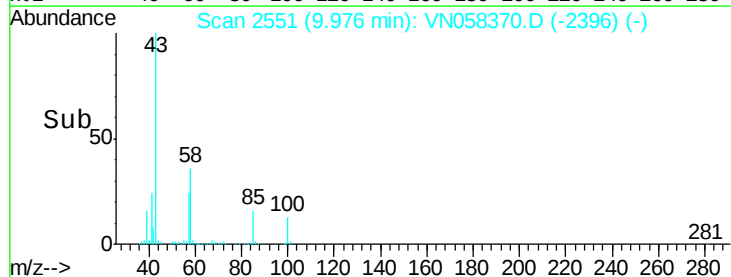
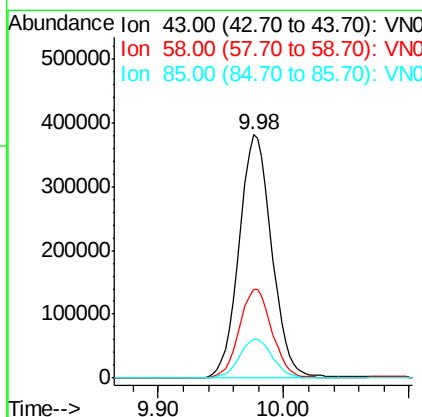
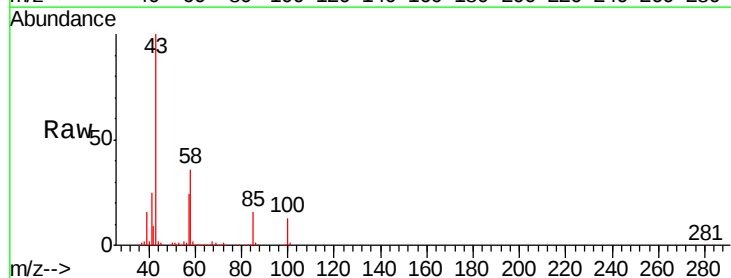
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

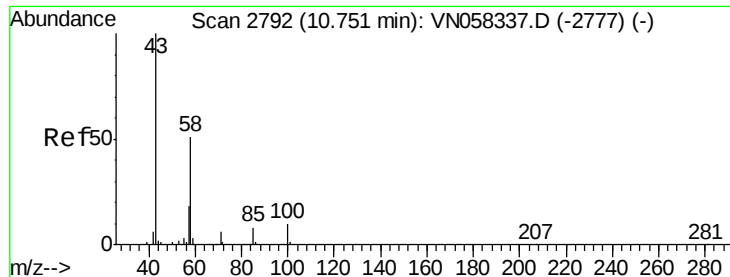
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.4	69.6
119	31.1	25.1	37.7



#58
4-Methyl-2-Pentanone
Concen: 103.607 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.3	43.9
85	16.3	13.1	19.7

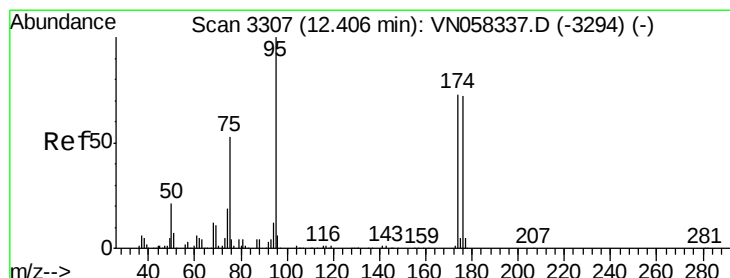
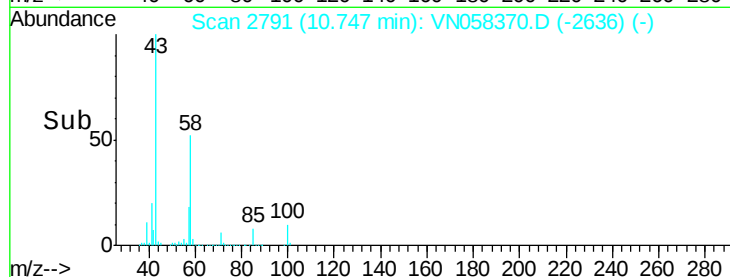
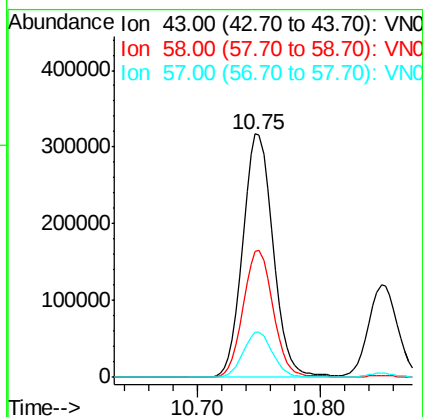
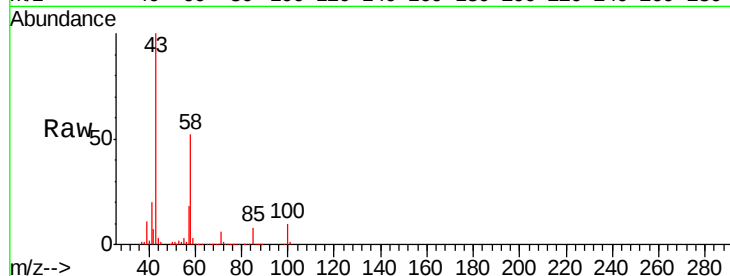




#59
2-Hexanone
Concen: 107.656 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

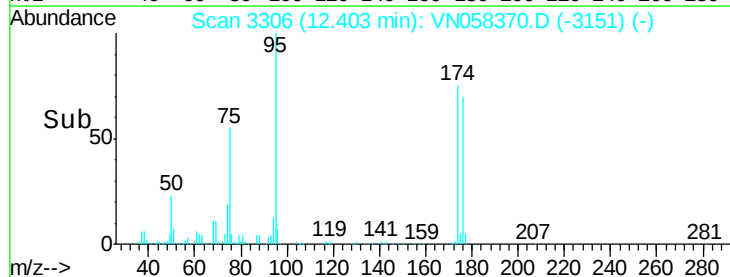
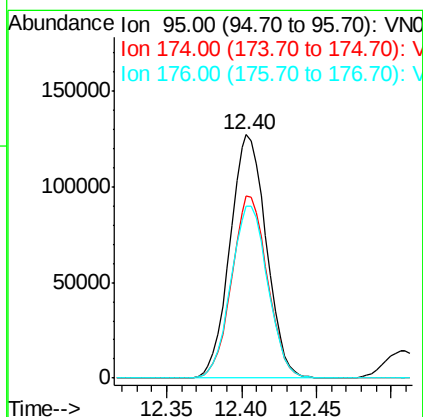
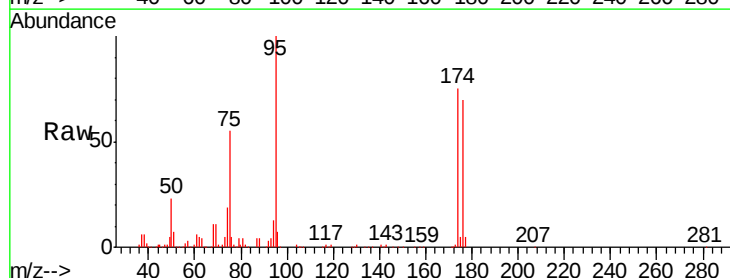
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

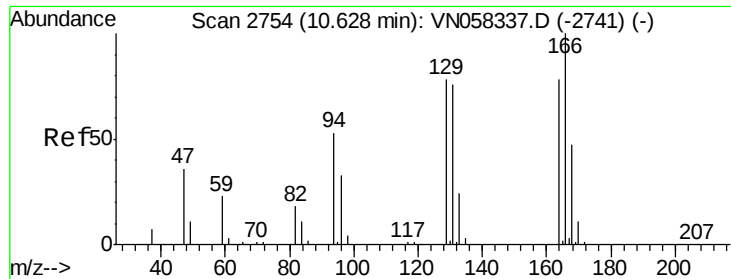
Tgt Ion: 43 Resp: 541596
Ion Ratio Lower Upper
43 100
58 51.6 40.7 61.1
57 18.2 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.208 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 95 Resp: 214641
Ion Ratio Lower Upper
95 100
174 73.8 59.0 88.6
176 72.0 58.2 87.2





#61

Tetrachloroethene

Concen: 19.913 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 88600

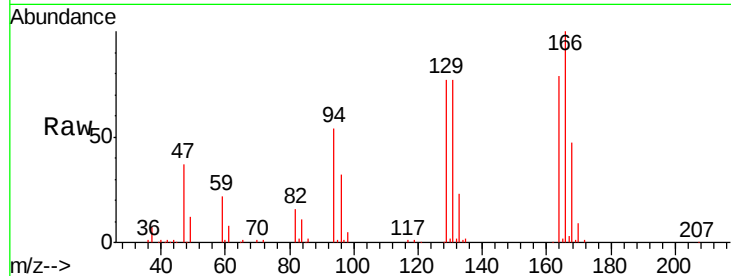
Ion Ratio Lower Upper

164 100

166 127.1 102.6 154.0

129 97.2 79.8 119.6

131 97.5 78.1 117.1

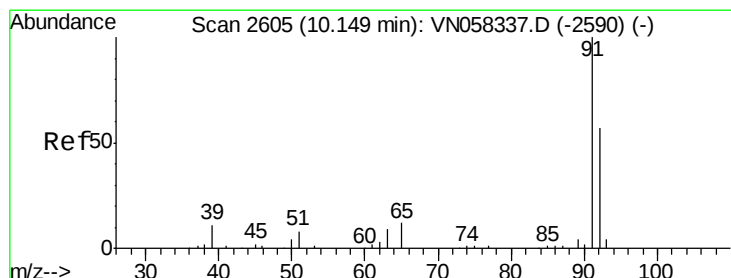
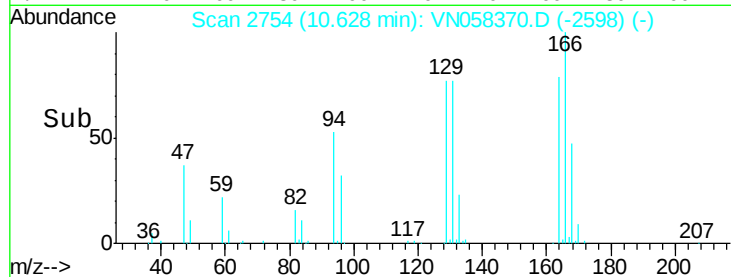
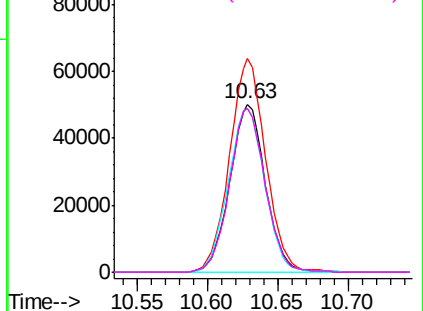


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.659 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058370.D

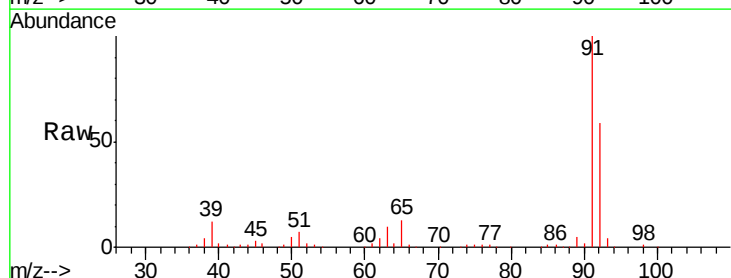
Acq: 26 Sep 2019 9:06

Tgt Ion: 91 Resp: 480524

Ion Ratio Lower Upper

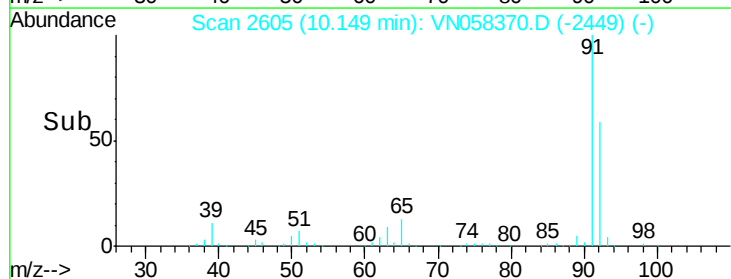
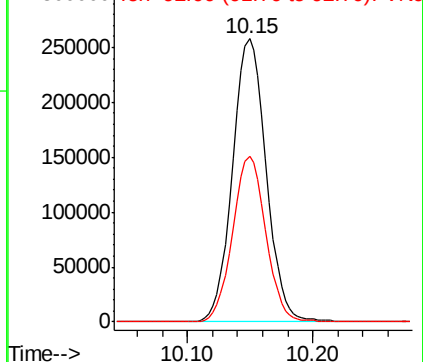
91 100

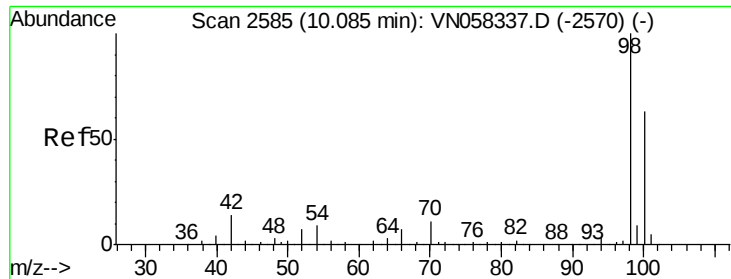
92 58.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

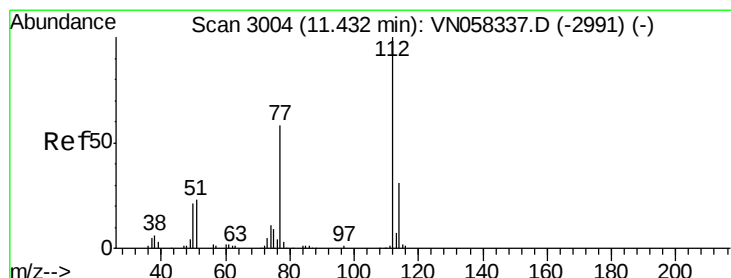
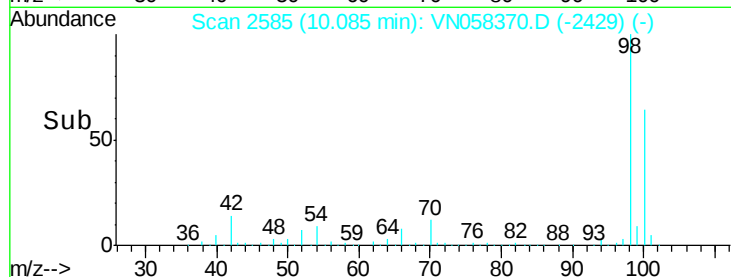
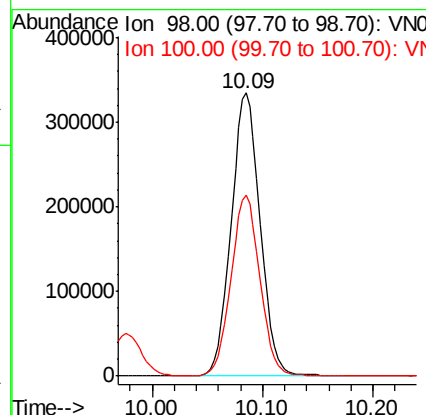
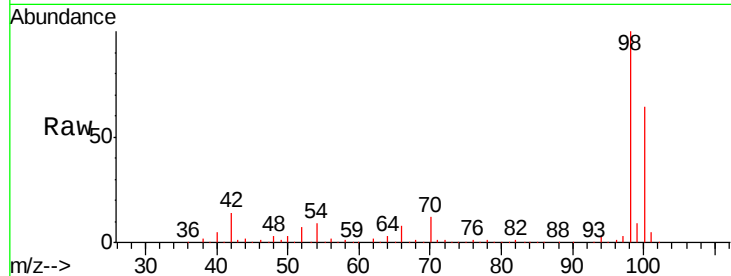




#63
Toluene-d8
Concen: 30.034 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

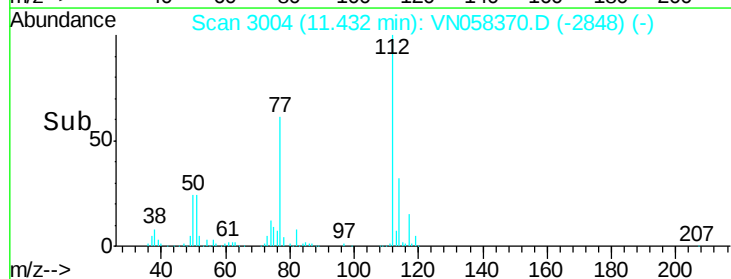
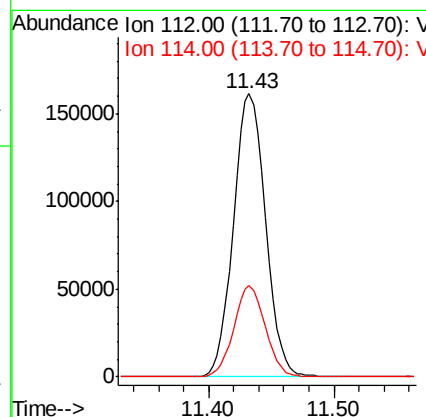
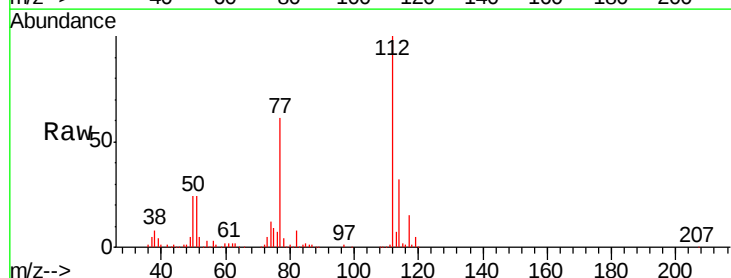
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

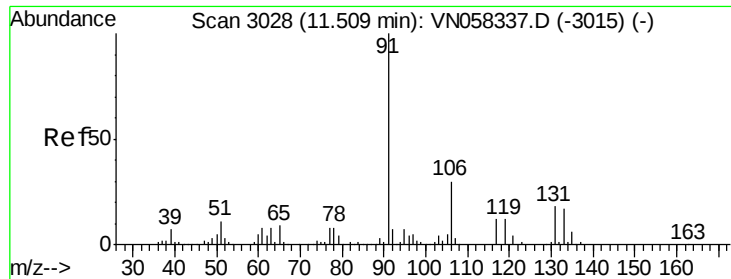
Tgt Ion: 98 Resp: 608746
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2



#64
Chlorobenzene
Concen: 20.089 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 112 Resp: 287154
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7

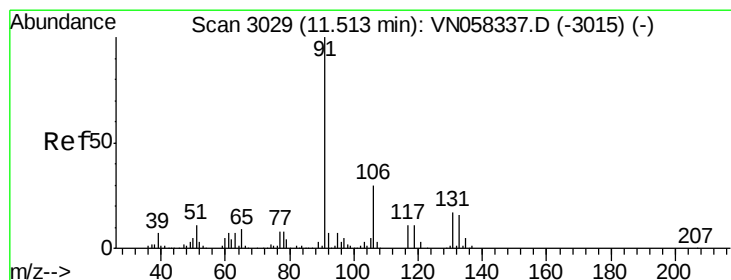
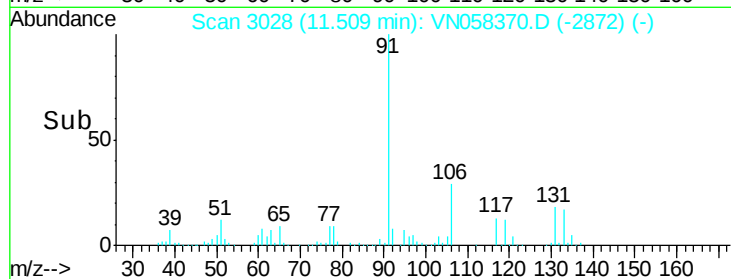
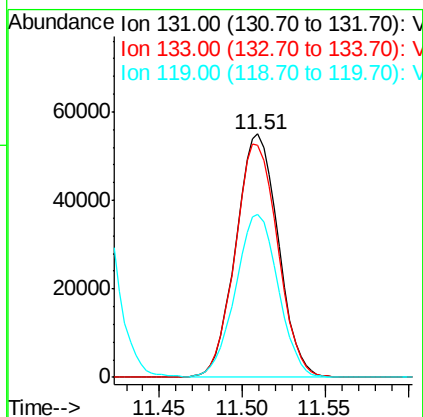
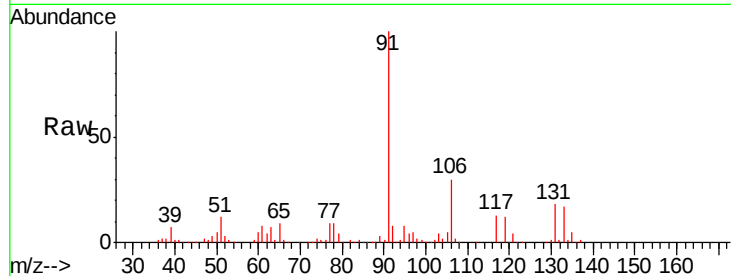




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.518 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

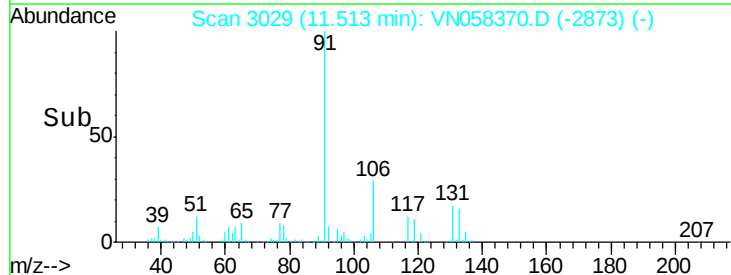
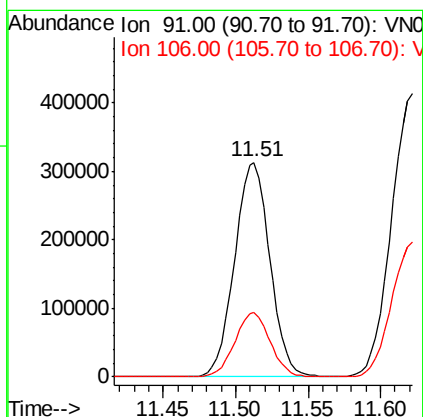
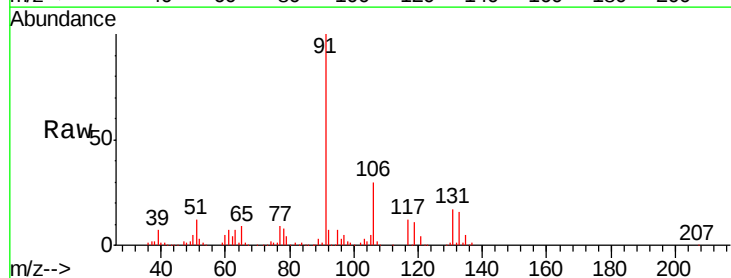
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

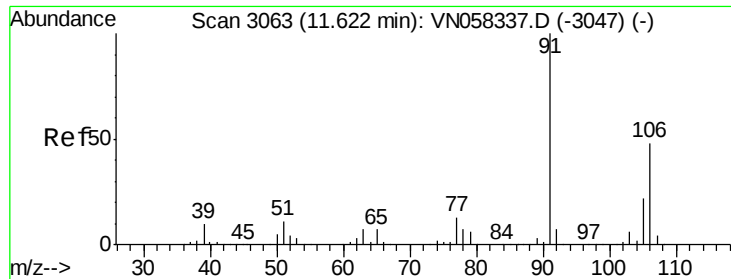
Tgt Ion: 131 Resp: 97801
 Ion Ratio Lower Upper
 131 100
 133 96.5 0.0 191.8
 119 67.7 0.0 134.2



#66
 Ethyl Benzene
 Concen: 20.913 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion: 91 Resp: 530418
 Ion Ratio Lower Upper
 91 100
 106 29.8 24.2 36.4

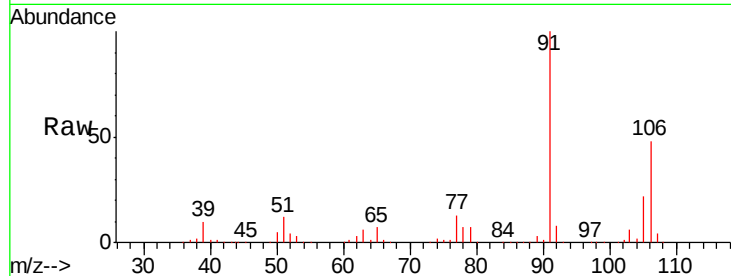




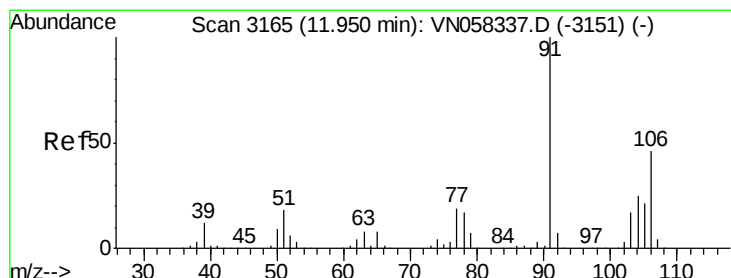
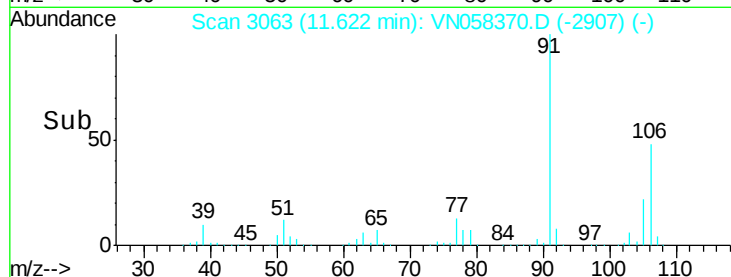
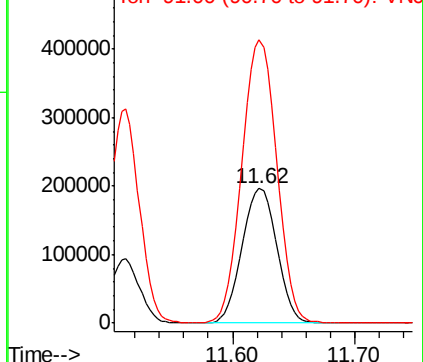
#67
m/p-Xylenes
Concen: 39.891 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 388435
Ion Ratio Lower Upper
106 100
91 210.0 167.8 251.6

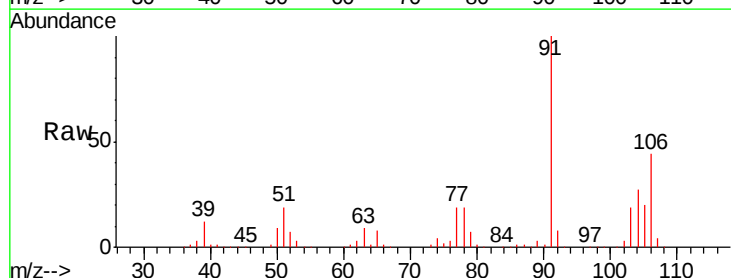


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

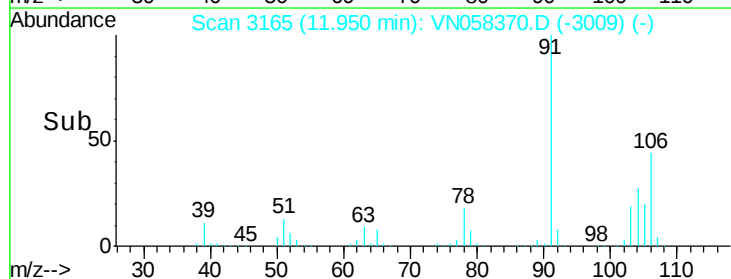
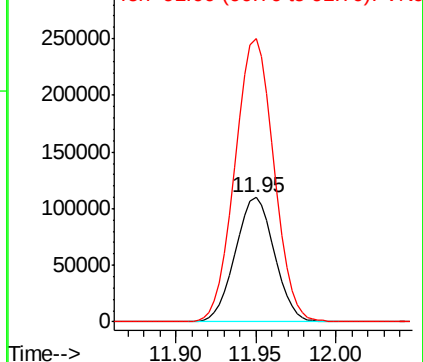


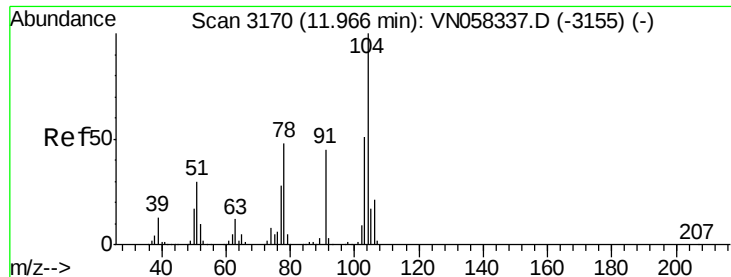
#68
o-Xylene
Concen: 19.348 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion:106 Resp: 183191
Ion Ratio Lower Upper
106 100
91 226.4 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

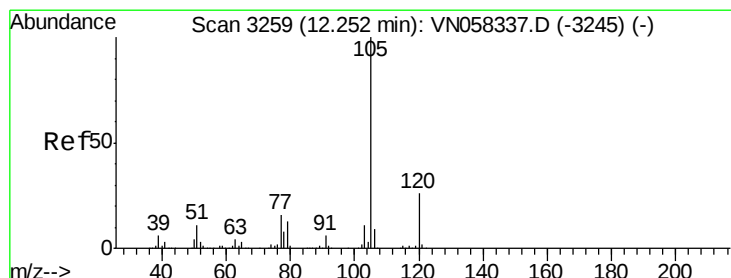
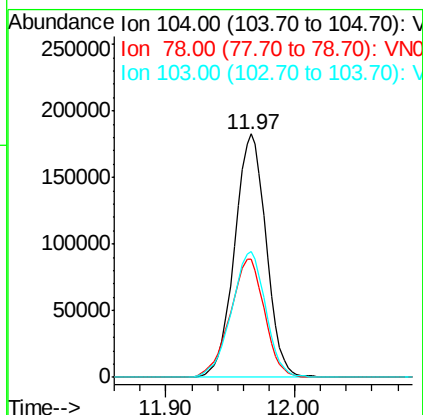
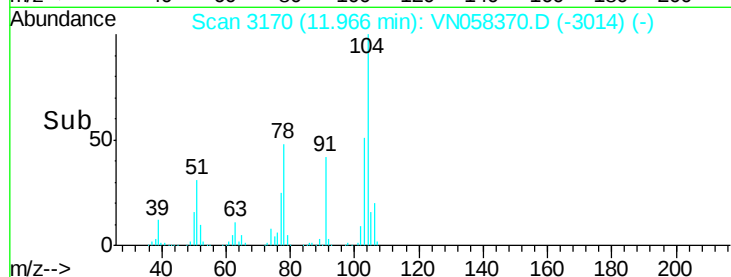
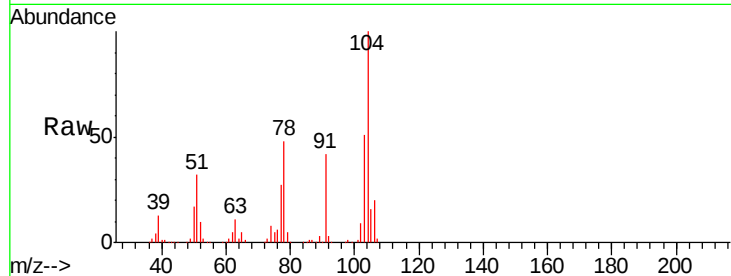




#69
Styrene
Concen: 19.628 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

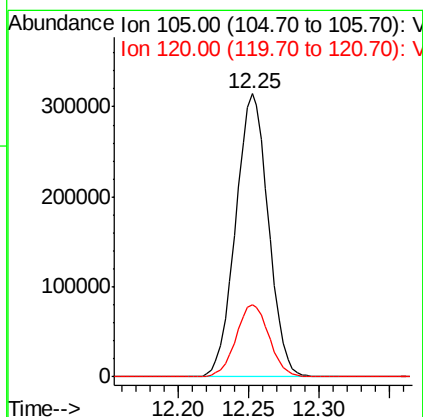
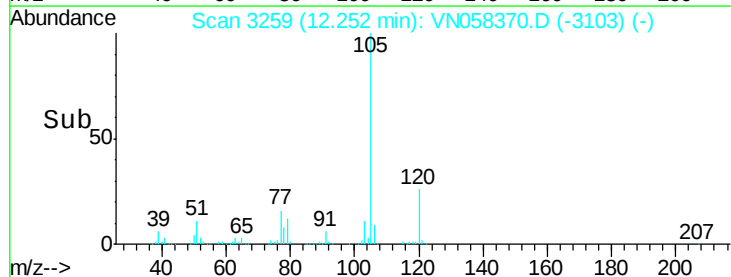
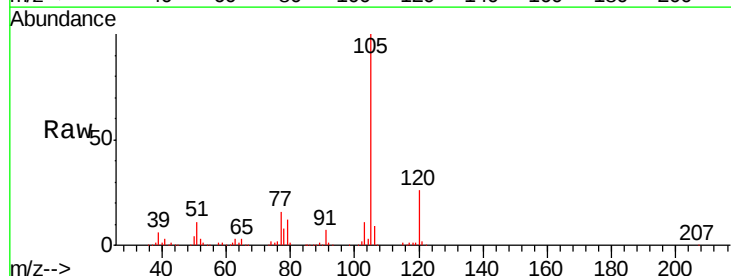
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

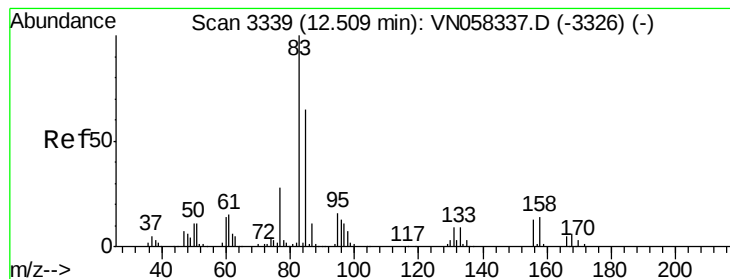
Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.3	63.5
103	55.9	44.1	66.1



#70
Isopropylbenzene
Concen: 20.829 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	18.2	33.8





#71

1,1,2,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

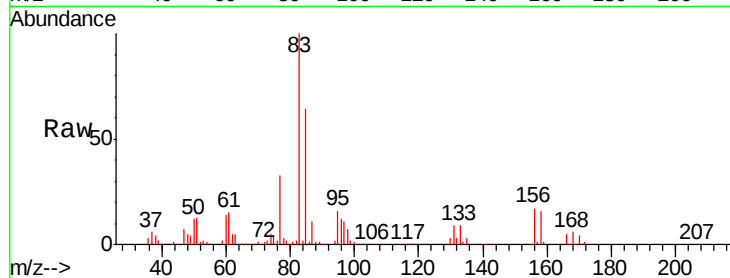
Tgt Ion: 83 Resp: 150954

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

85 64.3 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VN058370.D (-3183) (-)

Ion 131.00 (130.70 to 131.70): VN058370.D (-3183) (-)

Ion 85.00 (84.70 to 85.70): VN058370.D (-3183) (-)

120000

100000

80000

60000

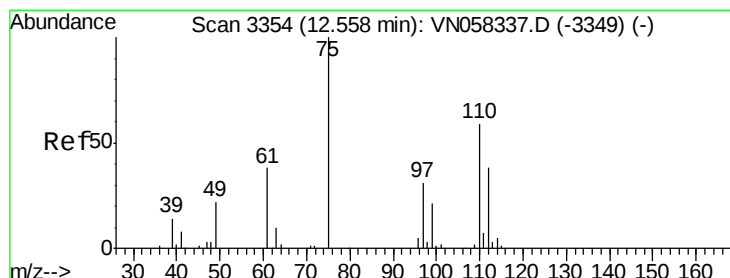
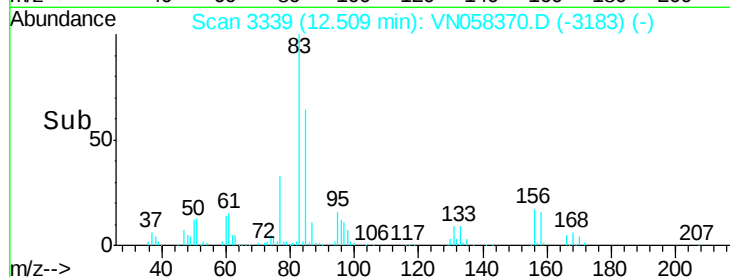
40000

20000

0

12.45 12.50 12.55

Time-->



#72

1,2,3-Trichloropropane

Concen: 28.417 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058370.D

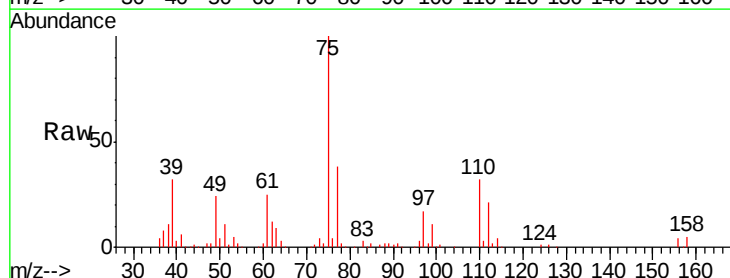
Acq: 26 Sep 2019 9:06

Tgt Ion: 75 Resp: 190586

Ion Ratio Lower Upper

75 100

77 137.0 0.0 382.4



Abundance Ion 75.00 (74.70 to 75.70): VN058370.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN058370.D (-3198) (-)

150000

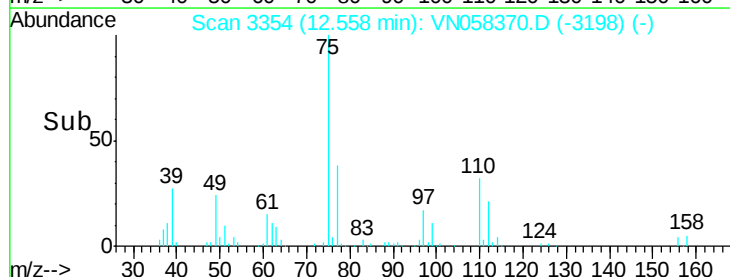
100000

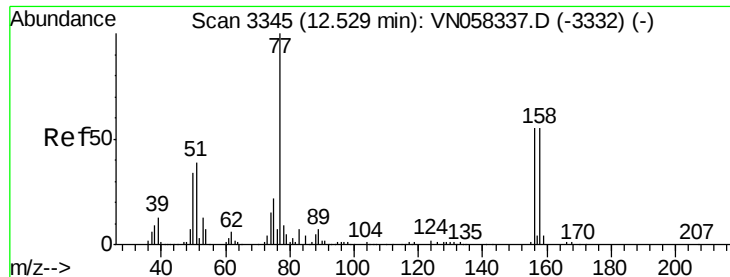
50000

0

12.50 12.55 12.60

Time-->

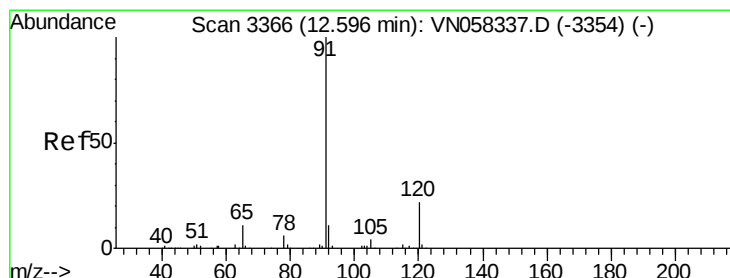
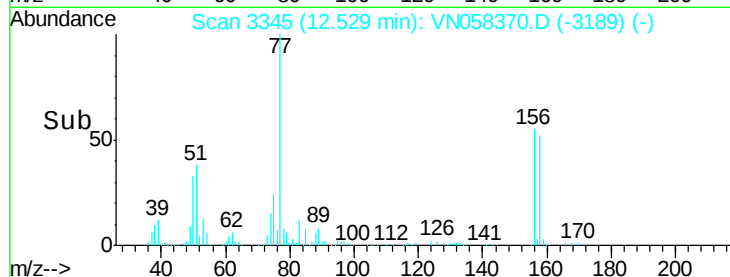
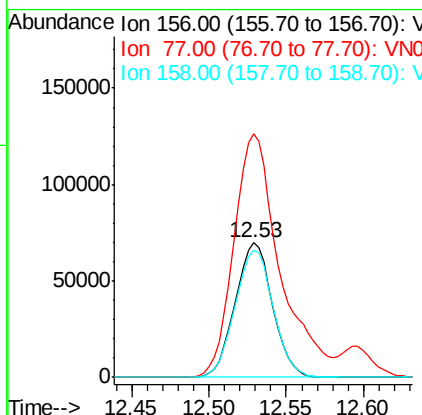
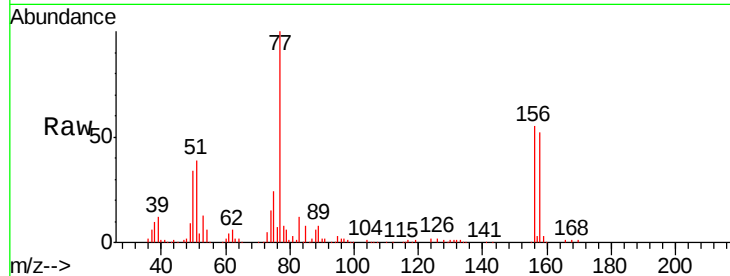




#73
Bromobenzene
Concen: 19.720 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

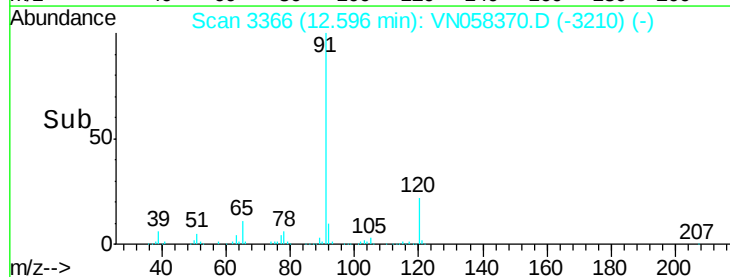
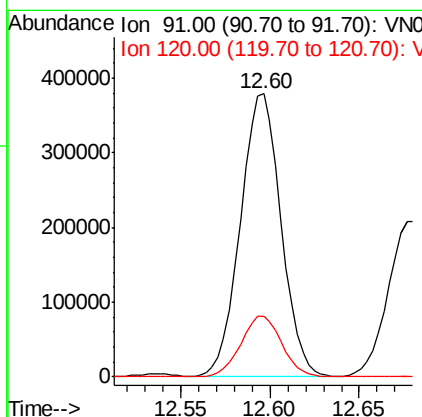
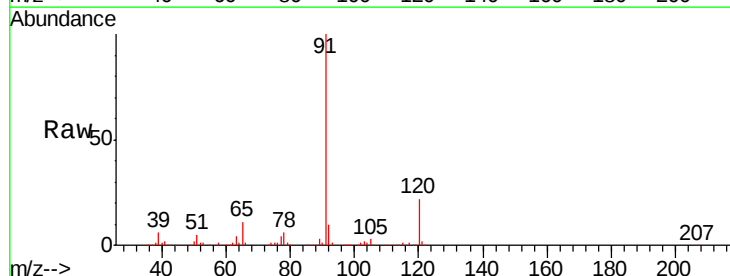
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

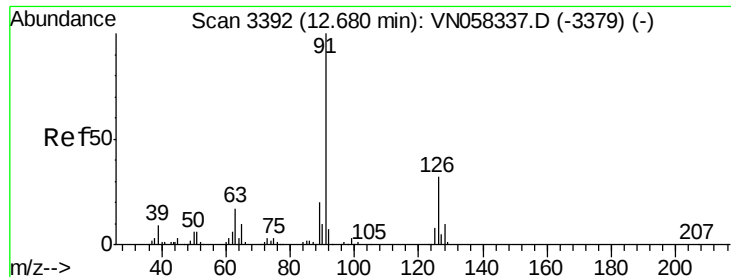
Tgt Ion:156 Resp: 117199
Ion Ratio Lower Upper
156 100
77 222.9 0.0 438.8
158 97.1 0.0 195.6



#74
n-propylbenzene
Concen: 21.318 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 91 Resp: 603034
Ion Ratio Lower Upper
91 100
120 21.5 0.0 44.0





#75

2-Chlorotoluene

Concen: 19.776 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampleId :

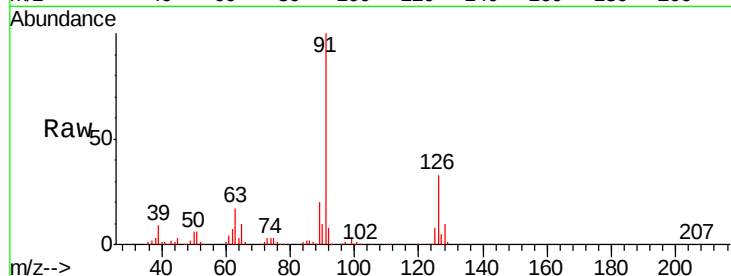
VSTDCCC020

Tgt Ion: 91 Resp: 349925

Ion Ratio Lower Upper

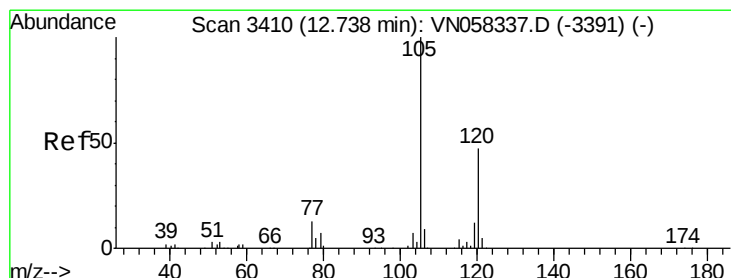
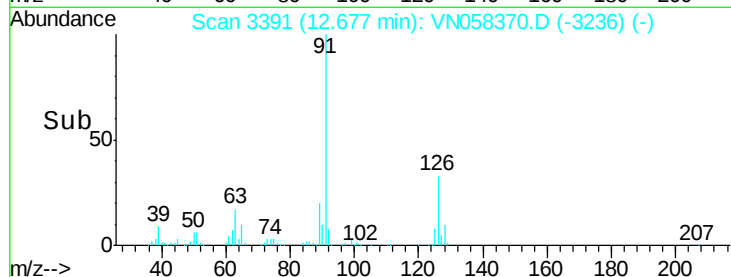
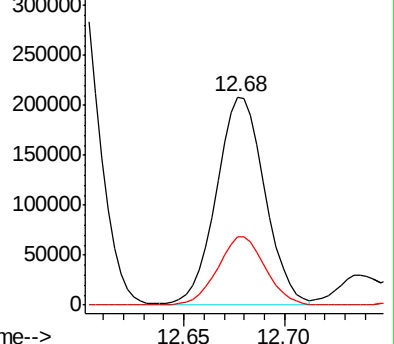
91 100

126 32.5 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.381 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058370.D

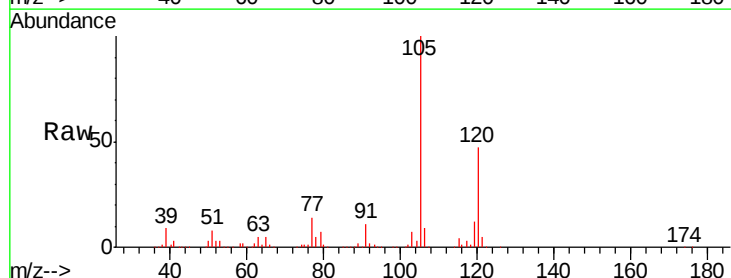
Acq: 26 Sep 2019 9:06

Tgt Ion: 105 Resp: 430595

Ion Ratio Lower Upper

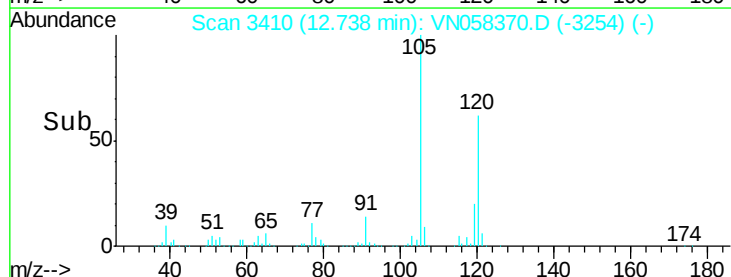
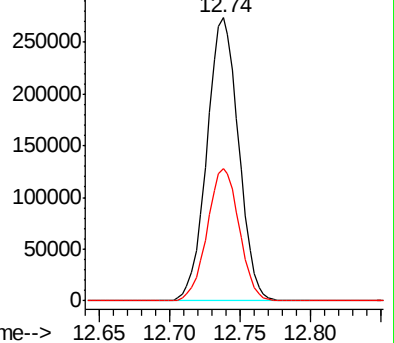
105 100

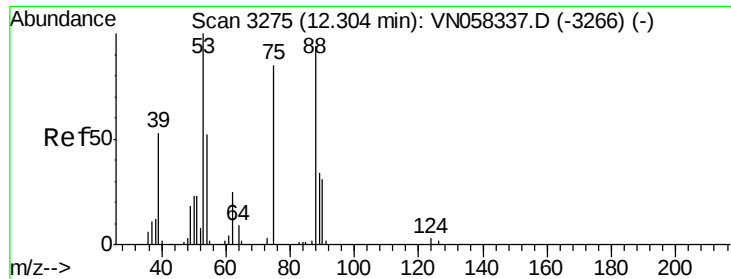
120 47.1 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

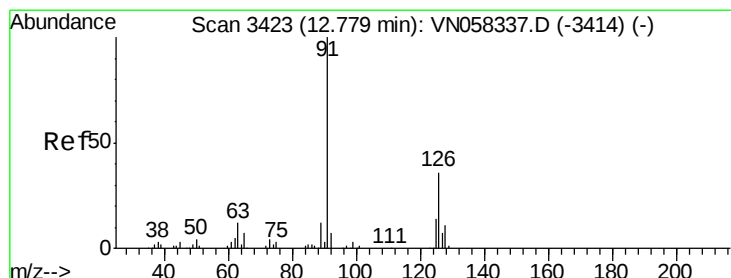
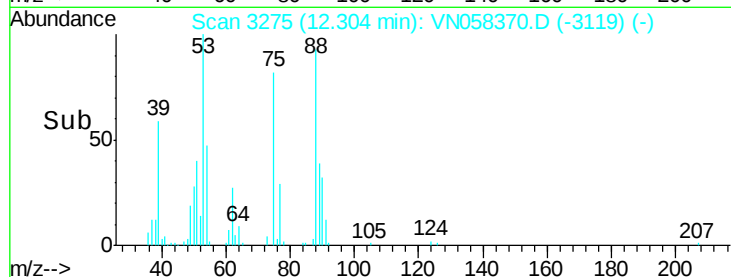
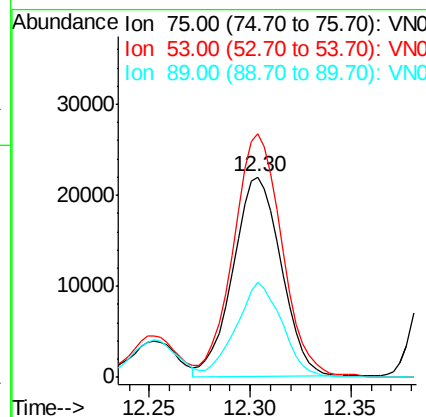
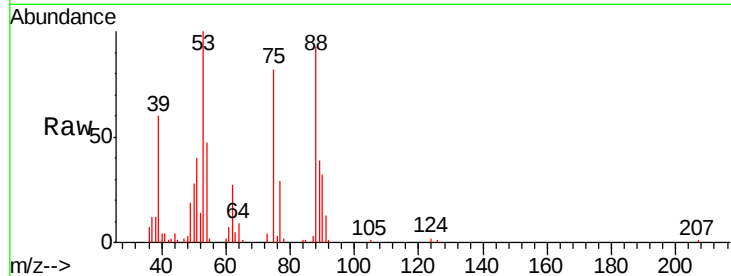




#77
t-1,4-Dichloro-2-butene
Concen: 16.683 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

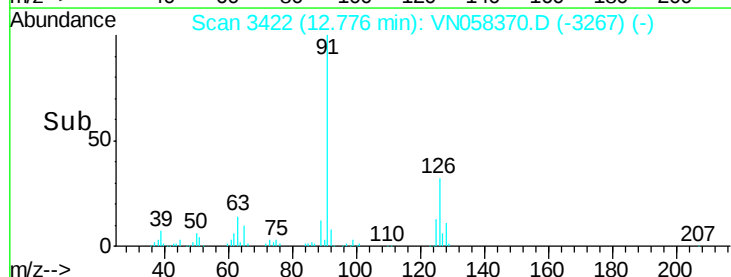
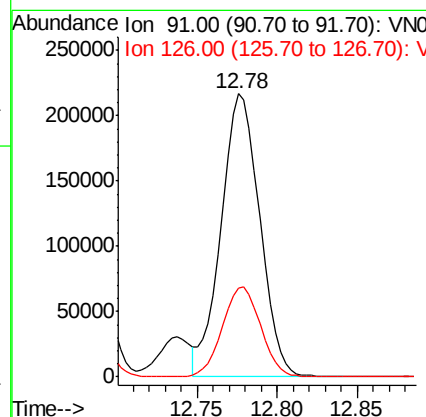
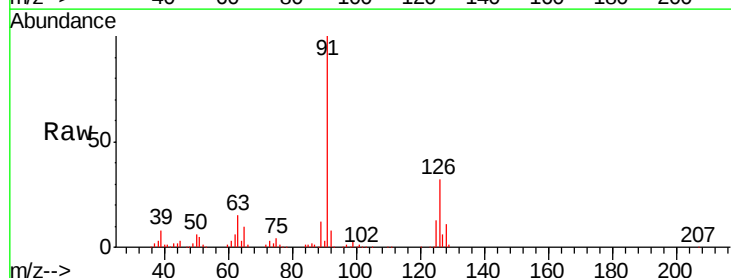
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

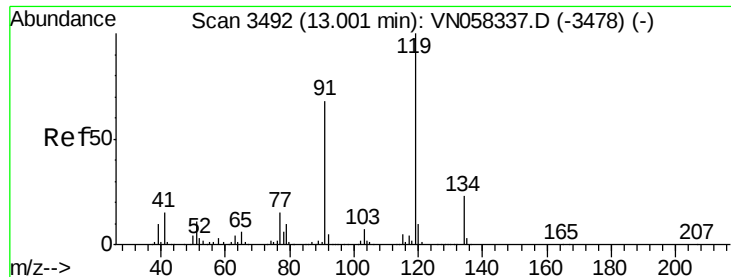
Tgt Ion: 75 Resp: 36498
Ion Ratio Lower Upper
75 100
53 120.9 59.0 176.8
89 47.7 21.6 65.0



#78
4-Chlorotoluene
Concen: 19.790 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 91 Resp: 358885
Ion Ratio Lower Upper
91 100
126 31.7 0.0 63.8

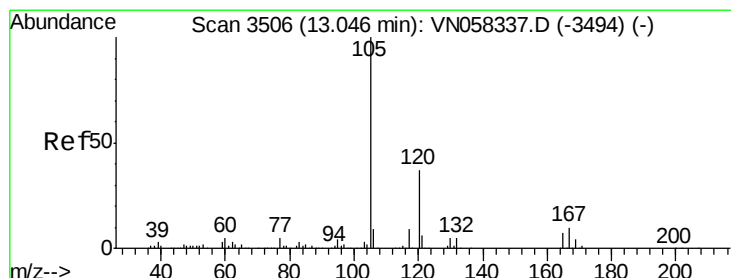
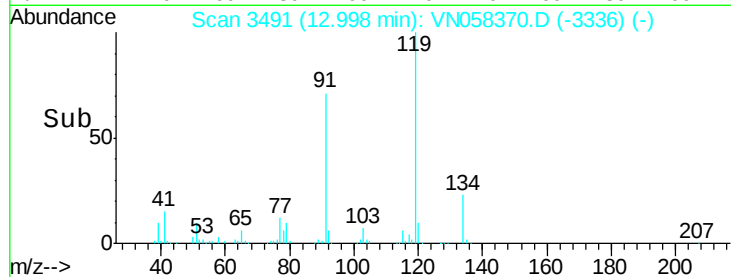
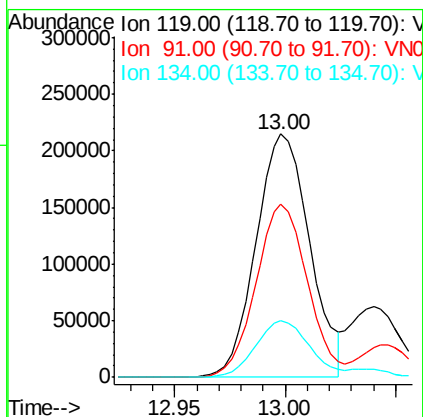
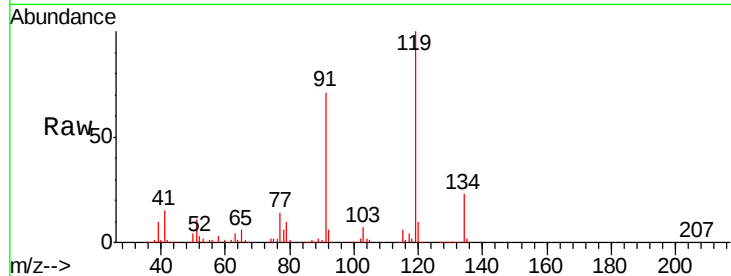




#79
tert-butylbenzene
Concen: 19.802 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

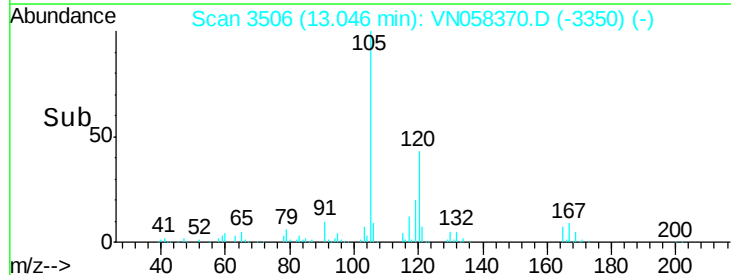
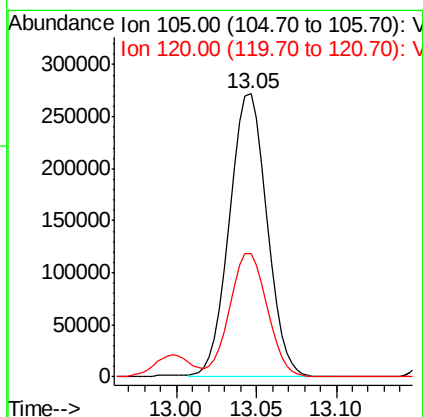
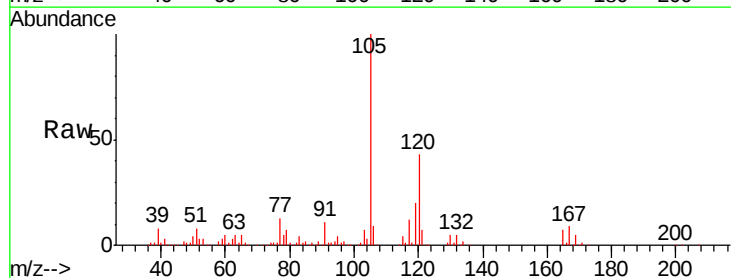
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

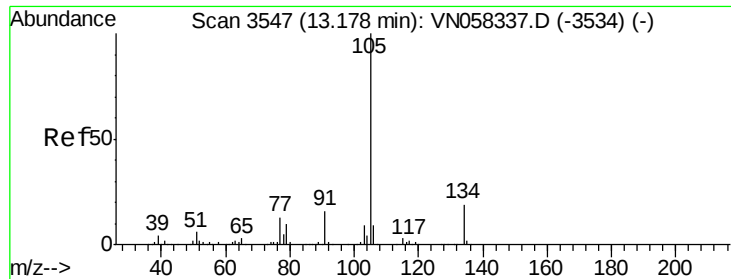
Tgt Ion:119 Resp: 362231
Ion Ratio Lower Upper
119 100
91 68.5 0.0 138.2
134 23.4 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 20.652 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion:105 Resp: 435523
Ion Ratio Lower Upper
105 100
120 43.7 0.0 86.6

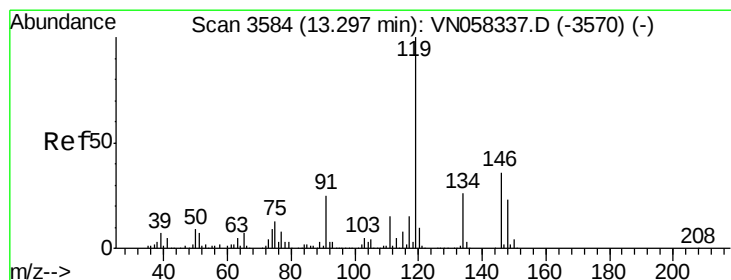
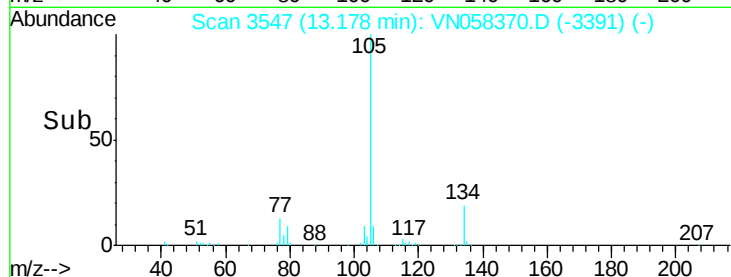
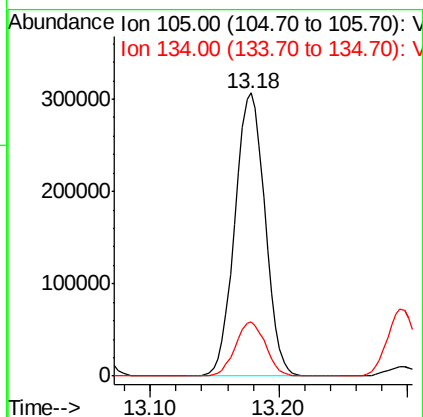
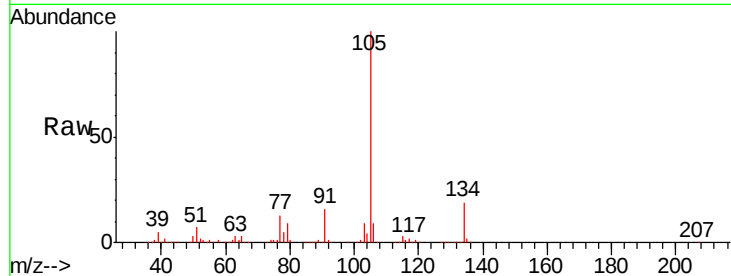




#81
 sec-Butylbenzene
 Concen: 20.795 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

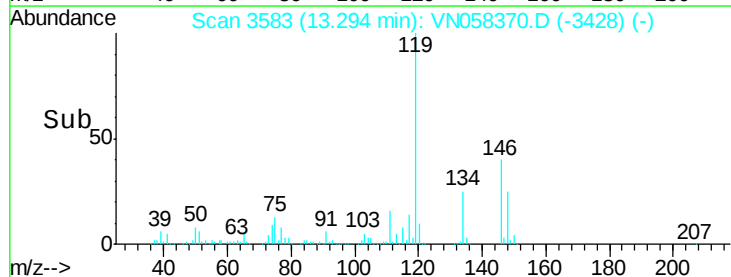
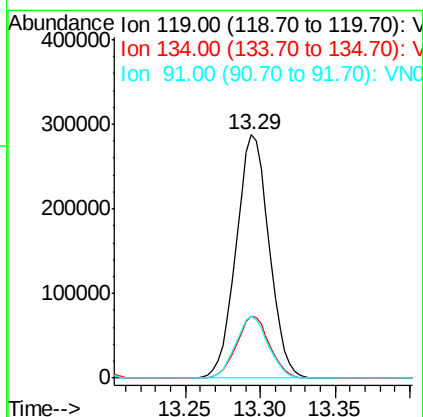
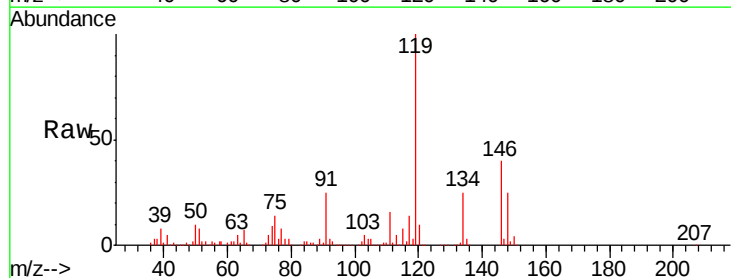
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

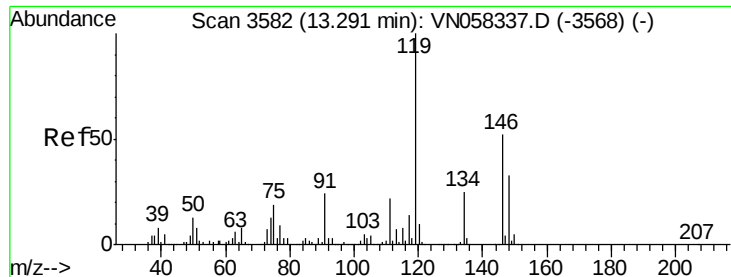
Tgt Ion:105 Resp: 498914
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.2



#82
 p-Isopropyltoluene
 Concen: 20.420 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion:119 Resp: 441210
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 51.6
 91 25.1 0.0 49.6

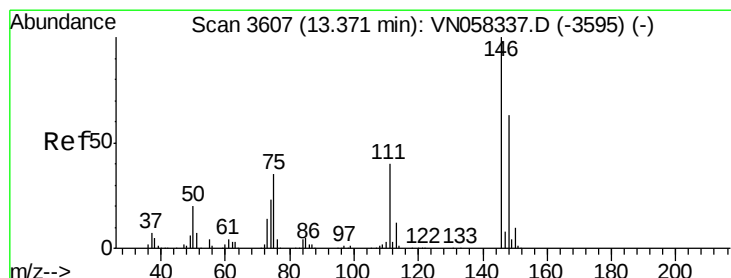
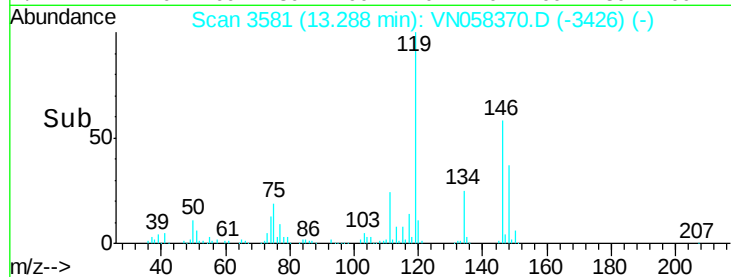
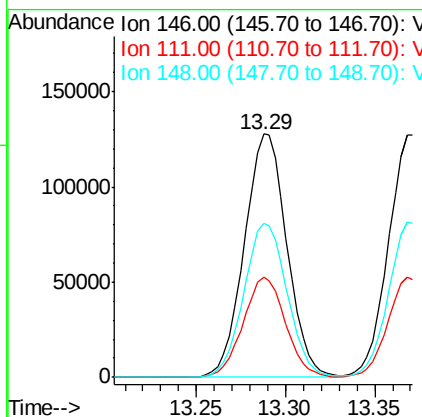
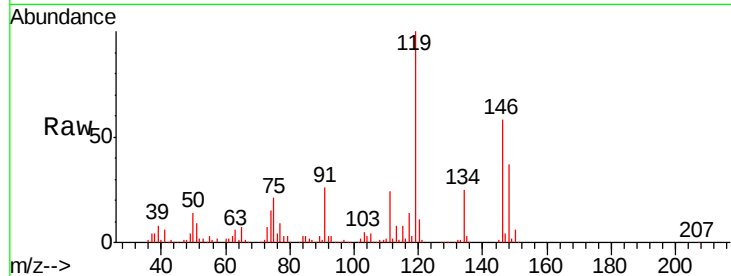




#83
 1,3-Dichlorobenzene
 Concen: 19.364 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

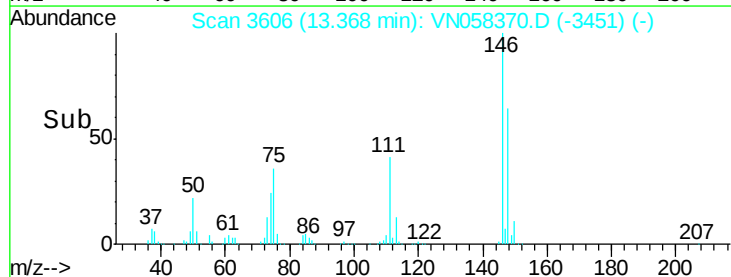
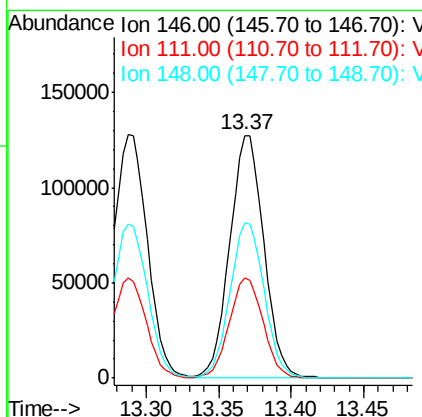
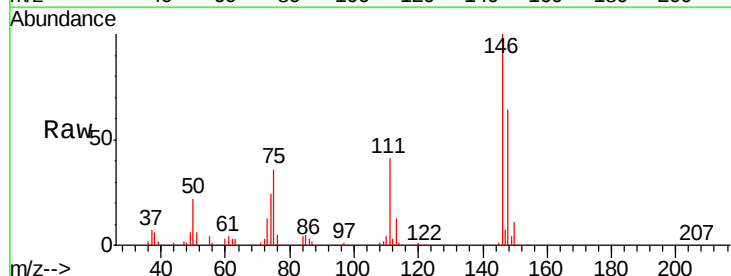
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

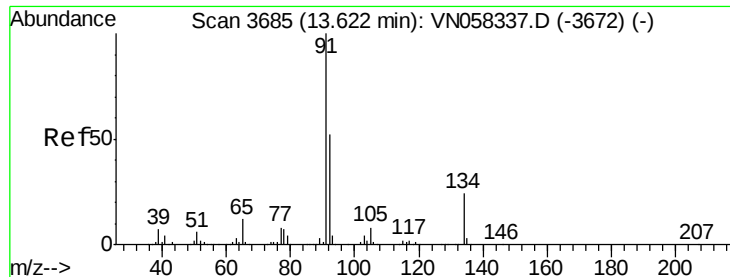
Tgt Ion:146 Resp: 212328
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.9 62.8
 148 64.5 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 18.995 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion:146 Resp: 207290
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.3
 148 64.6 31.9 95.7

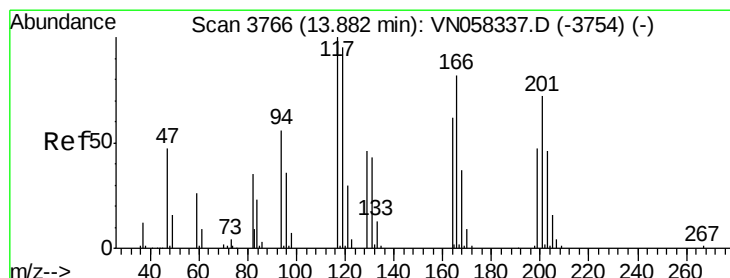
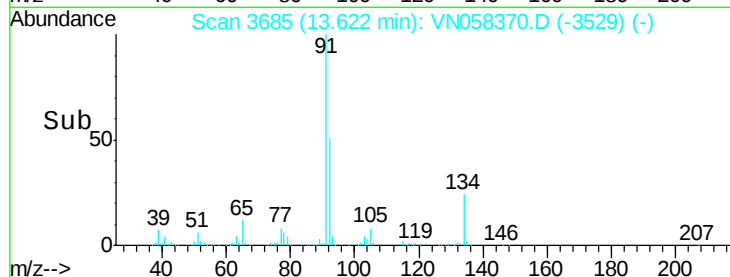
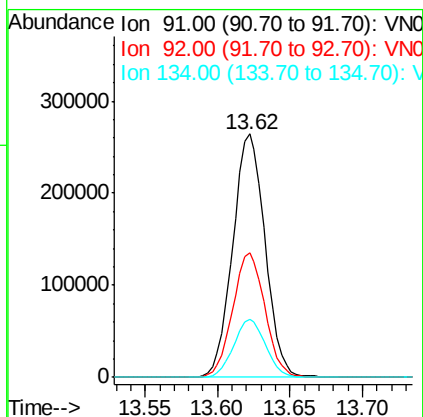
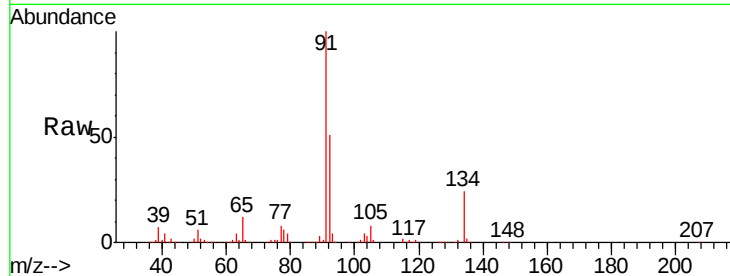




#85
n-Butylbenzene
Concen: 20.416 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

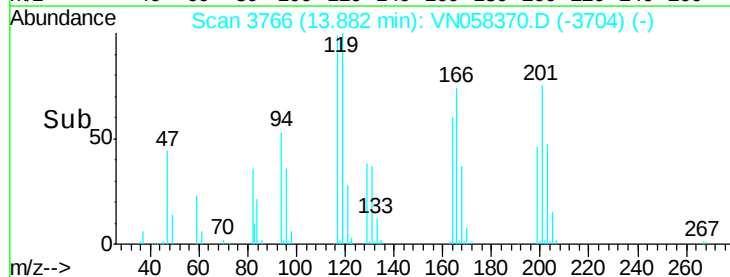
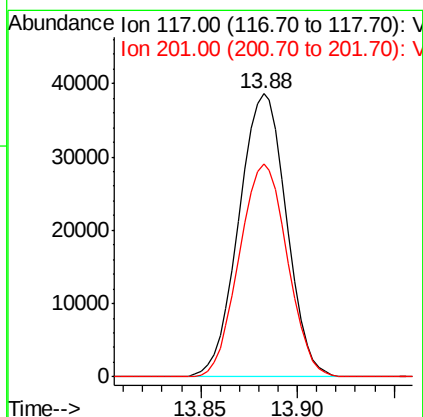
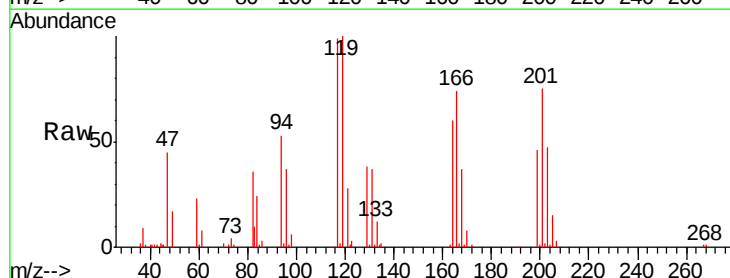
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

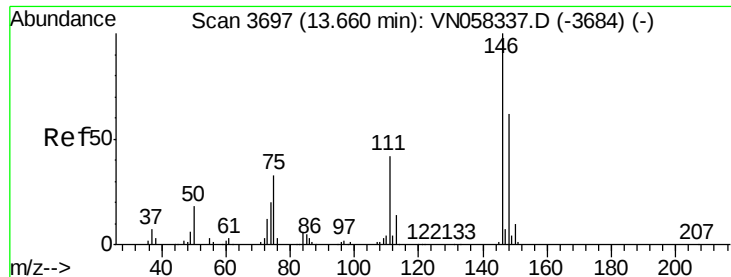
Tgt Ion: 91 Resp: 409825
Ion Ratio Lower Upper
91 100
92 50.9 0.0 102.6
134 23.6 0.0 47.8



#86
Hexachloroethane
Concen: 18.924 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058370.D
Acq: 26 Sep 2019 9:06

Tgt Ion: 117 Resp: 66041
Ion Ratio Lower Upper
117 100
201 76.0 37.2 111.6

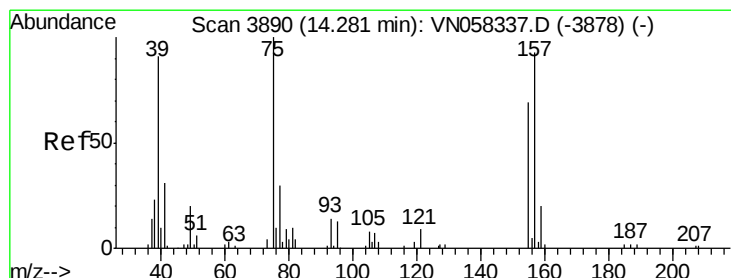
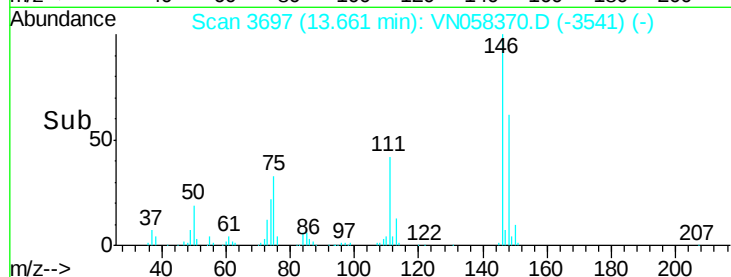
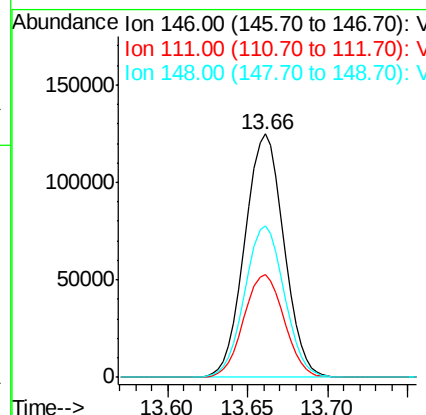
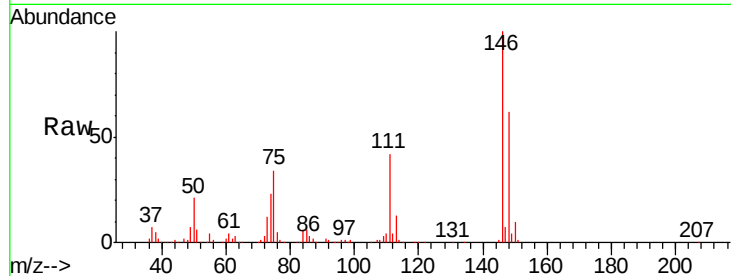




#87
 1,2-Dichlorobenzene
 Concen: 19.516 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

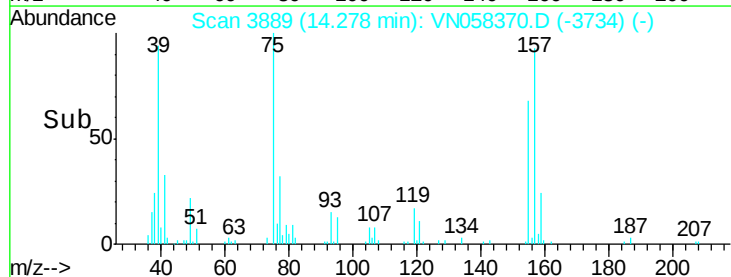
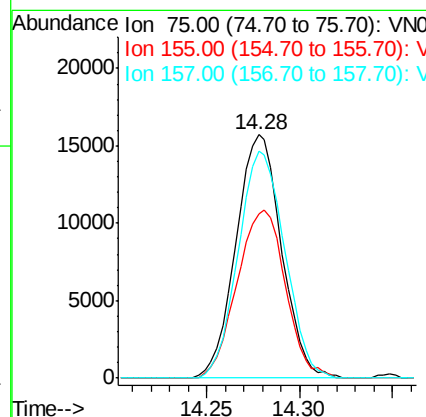
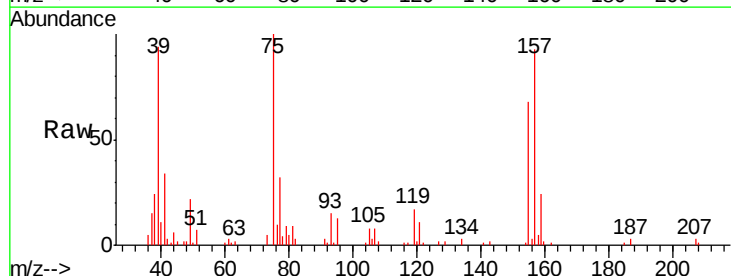
Instrument :
 MSVOA_N
 ClientSampleId :
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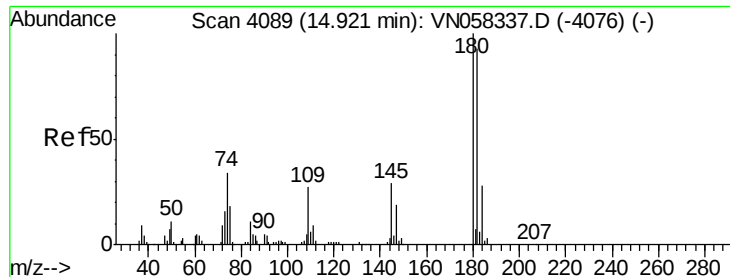
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	63.1	31.9	95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.576 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	58.5	87.7
157	95.5	75.4	113.2

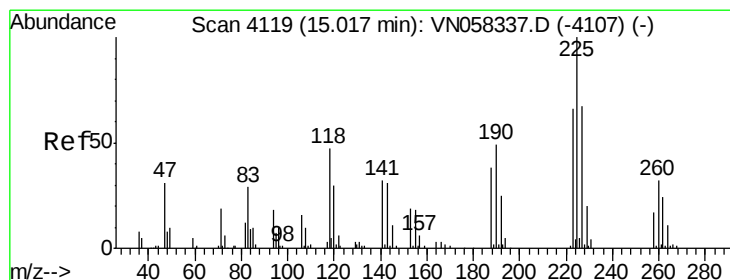
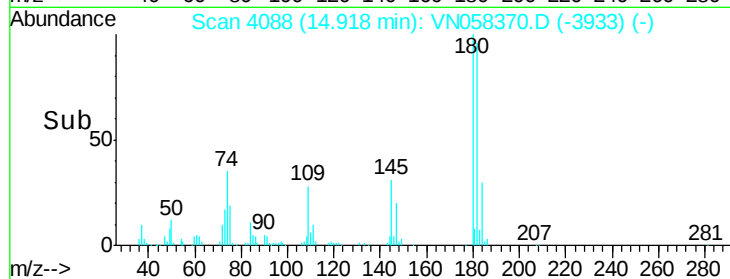
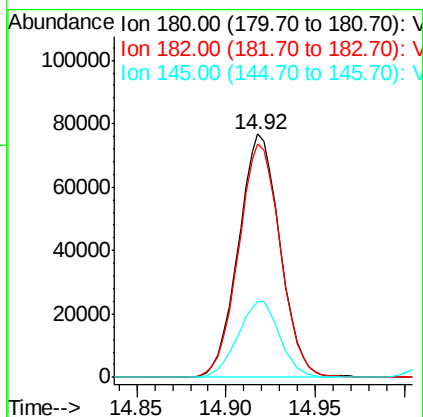
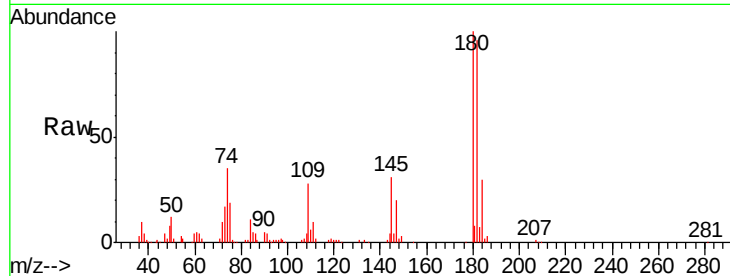




#89
 1,2,4-Trichlorobenzene
 Concen: 17.722 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

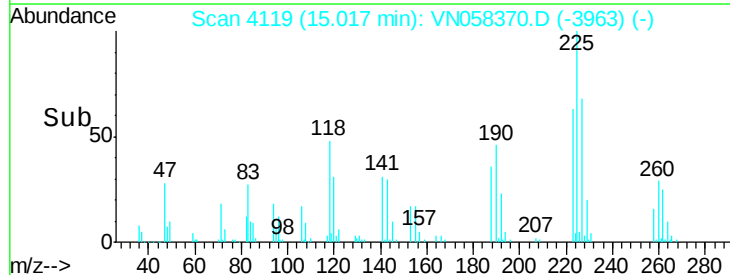
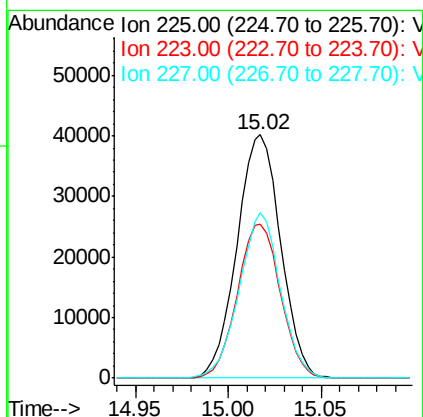
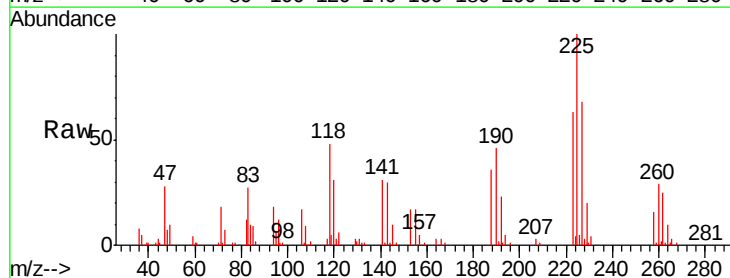
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

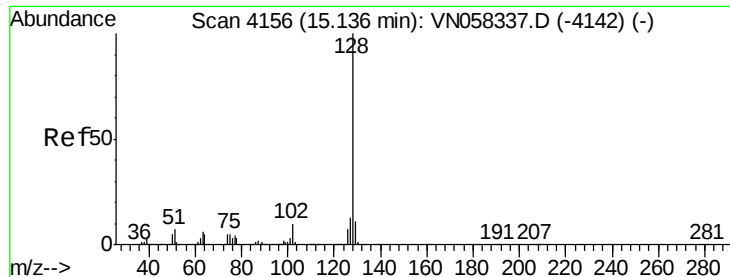
Tgt Ion:180 Resp: 123964
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.2 112.8
 145 31.5 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 19.407 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058370.D
 Acq: 26 Sep 2019 9:06

Tgt Ion:225 Resp: 65685
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 132.6
 227 64.2 0.0 129.2





#91

Naphthalene

Concen: 18.394 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

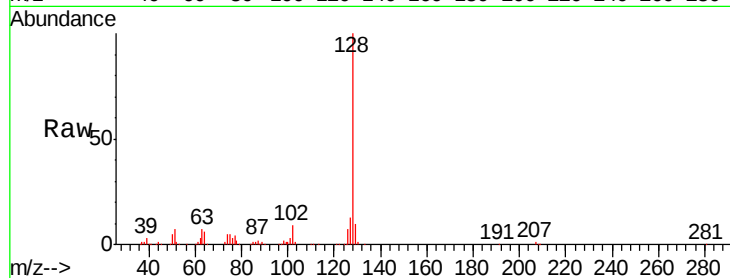
Tgt Ion:128 Resp: 353346

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

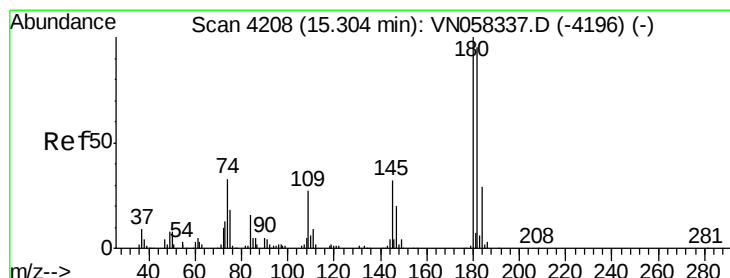
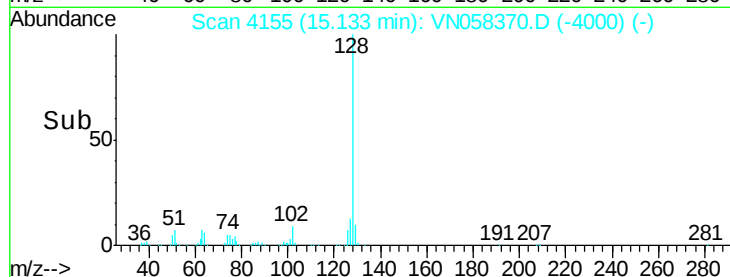
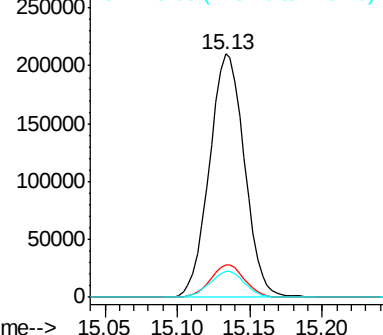
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.647 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058370.D

Acq: 26 Sep 2019 9:06

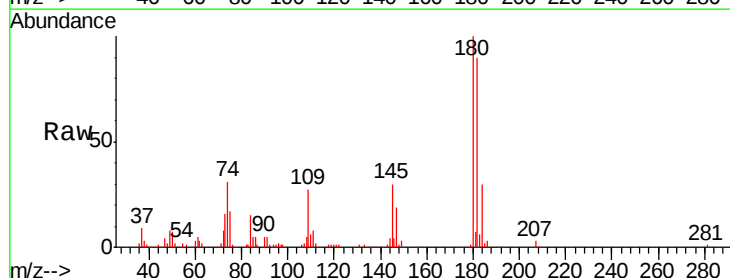
Tgt Ion:180 Resp: 125276

Ion Ratio Lower Upper

180 100

182 92.3 0.0 189.4

145 30.9 0.0 64.0



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

