

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056869.D
 Acq On : 23 Jul 2019 9:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 24 01:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	395034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	566229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	509489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	240852	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	199176	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
35) Dibromofluoromethane	7.59	113	183508	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.09	98	700358	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	237949	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	232887	48.218	ug/l	99
3) Chloromethane	2.06	50	251355	45.591	ug/l	98
4) Vinyl Chloride	2.18	62	244974	48.369	ug/l	100
5) Bromomethane	2.56	94	142345	46.206	ug/l	100
6) Chloroethane	2.70	64	131601	47.415	ug/l	98
7) Trichlorofluoromethane	3.01	101	301772	48.771	ug/l	98
8) Diethyl Ether	3.40	74	106748	46.301	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	190374	49.750	ug/l	99
10) Methyl Iodide	3.94	142	264219	49.121	ug/l	99
11) Tert butyl alcohol	4.80	59	152260	254.374	ug/l	99
12) 1,1-Dichloroethene	3.72	96	185930	48.501	ug/l	96
13) Acrolein	3.60	56	113288	227.467	ug/l	98
14) Allyl chloride	4.31	41	301647	47.861	ug/l	100
15) Acrylonitrile	4.99	53	446043	247.648	ug/l	99
16) Acetone	3.82	43	432134	284.793	ug/l	99
17) Carbon Disulfide	4.04	76	498739	47.666	ug/l	99
18) Methyl Acetate	4.32	43	241561	48.518	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	542700	47.916	ug/l	99
20) Methylene Chloride	4.54	84	206898	45.601	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	196209	48.998	ug/l	97
22) Diisopropyl ether	5.95	45	612323	48.057	ug/l	99
23) Vinyl Acetate	5.89	43	2271169	246.762	ug/l	100
24) 1,1-Dichloroethane	5.84	63	352430	47.741	ug/l	100
25) 2-Butanone	6.84	43	600494	269.240	ug/l	99
26) 2,2-Dichloropropane	6.82	77	263969	51.102	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	219944	47.910	ug/l	99
28) Bromochloromethane	7.19	49	160618	47.932	ug/l	99
29) Tetrahydrofuran	7.21	42	383426	250.042	ug/l	99
30) Chloroform	7.37	83	342597	46.294	ug/l	99
31) Cyclohexane	7.65	56	339371	47.384	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	289721	48.393	ug/l	99
36) 1,1-Dichloropropene	7.79	75	271615	52.016	ug/l	99
37) Ethyl Acetate	6.93	43	232173	55.135	ug/l	100
38) Carbon Tetrachloride	7.77	117	252611	50.818	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	347900	53.243	ug/l	98
40) Benzene	8.04	78	810740	49.984	ug/l	99
41) Methacrylonitrile	7.17	41	103520	49.513	ug/l	98
42) 1,2-Dichloroethane	8.12	62	251723	49.669	ug/l	100
43) Isopropyl Acetate	8.16	43	370222	51.142	ug/l	100
44) Trichloroethene	8.83	130	222939	51.319	ug/l	99
45) 1,2-Dichloropropane	9.12	63	214635	49.121	ug/l	98
46) Dibromomethane	9.20	93	136311	50.541	ug/l	97
47) Bromodichloromethane	9.40	83	260290	51.319	ug/l	99
48) Methyl methacrylate	9.20	41	184539	50.958	ug/l	99
49) 1,4-Dioxane	9.20	88	77800	1095.251	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1151234	266.684	ug/l	100
52) Toluene	10.15	92	502434	51.476	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	279132	53.622	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	322820	52.602	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192754	49.755	ug/l	99
56) Ethyl methacrylate	10.43	69	293669	54.607	ug/l	99
57) 1,3-Dichloropropane	10.71	76	326065	50.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	622436	245.910	ug/l	99
59) 2-Hexanone	10.75	43	862124	288.521	ug/l	99
60) Dibromochloromethane	10.90	129	207112	53.278	ug/l	100
61) 1,2-Dibromoethane	11.00	107	201658	52.413	ug/l	99
64) Tetrachloroethene	10.63	164	228072	52.180	ug/l	99
65) Chlorobenzene	11.43	112	537780	50.793	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	198059	49.619	ug/l	100
67) Ethyl Benzene	11.51	91	955639	52.284	ug/l	100
68) m/p-Xylenes	11.62	106	727183	106.272	ug/l	99
69) o-Xylene	11.94	106	343661	51.447	ug/l	98
70) Styrene	11.96	104	594838	50.739	ug/l	100
71) Bromoform	12.12	173	145377	52.557	ug/l #	99
73) Isopropylbenzene	12.25	105	933800	51.156	ug/l	100
74) N-amyl acetate	12.07	43	326312	46.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	261971	50.156	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	321480	64.405	ug/l #	100
77) Bromobenzene	12.52	156	244879	46.612	ug/l	99
78) n-propylbenzene	12.59	91	1093993	49.416	ug/l	100
79) 2-Chlorotoluene	12.67	91	616846	50.718	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	814321	52.881	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	79231	50.839	ug/l	99
82) 4-Chlorotoluene	12.77	91	635961	48.284	ug/l	100
83) tert-Butylbenzene	12.99	119	700597	52.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	809895	48.537	ug/l	100
85) sec-Butylbenzene	13.17	105	940049	47.941	ug/l	100
86) p-Isopropyltoluene	13.28	119	873896	50.027	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	418462	49.690	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	413156	50.501	ug/l	99
89) n-Butylbenzene	13.61	91	739919	55.092	ug/l	100
90) Hexachloroethane	13.87	117	136974	44.912	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	405044	47.853	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44340	48.113	ug/l	96

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Quant Title : SW846 8260
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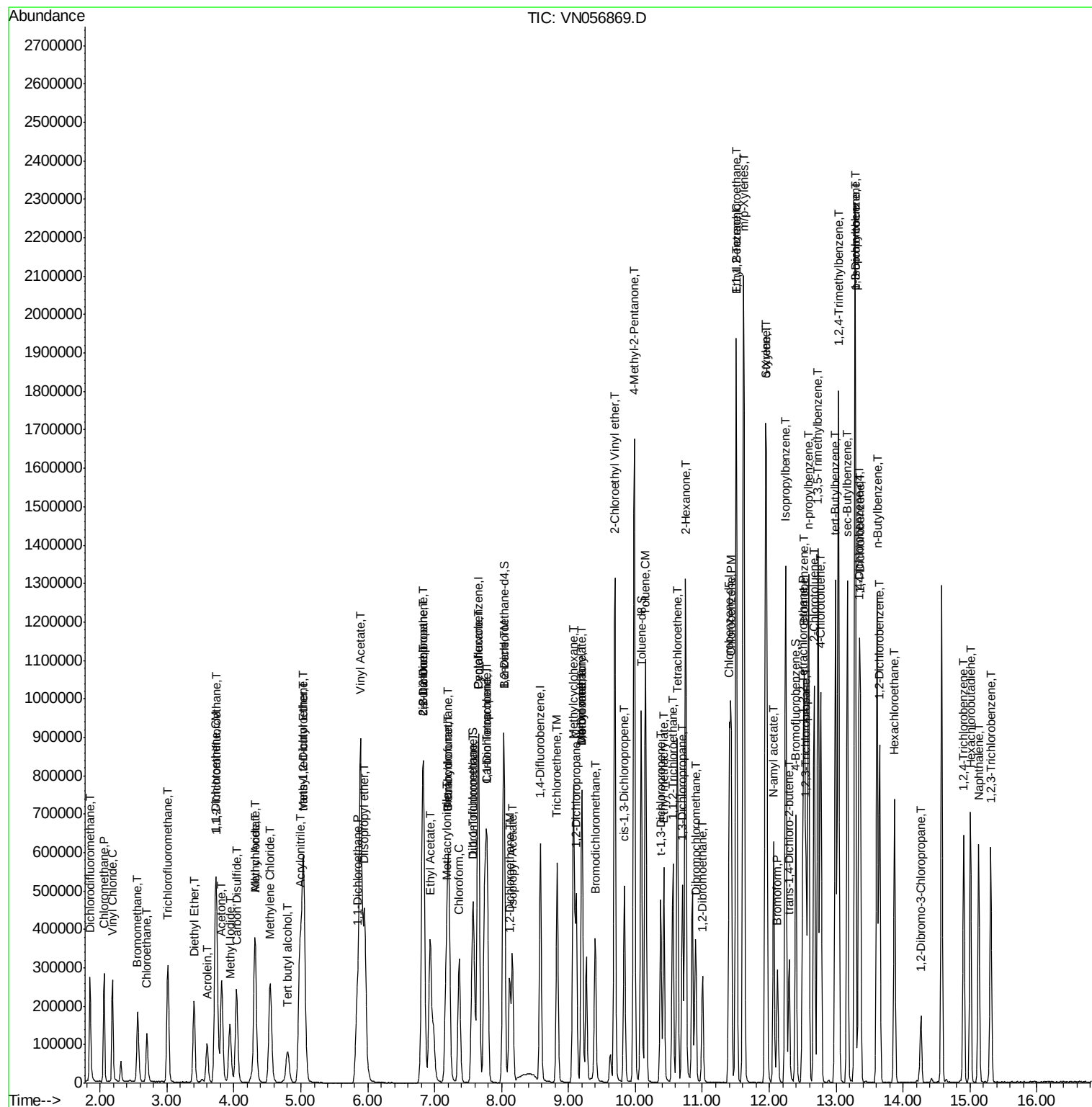
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	228836	50.274	ug/l	98
94) Hexachlorobutadiene	15.01	225	157302	56.038	ug/l	98
95) Naphthalene	15.13	128	553977	47.463	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	233857	50.324	ug/l	99

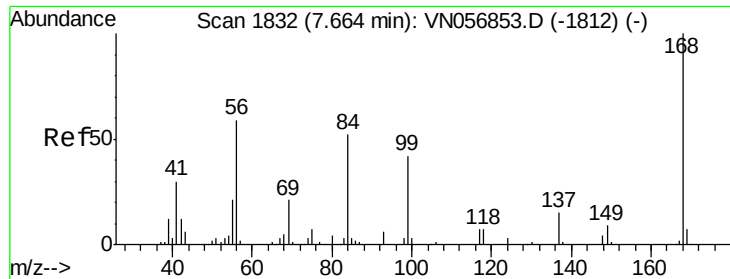
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

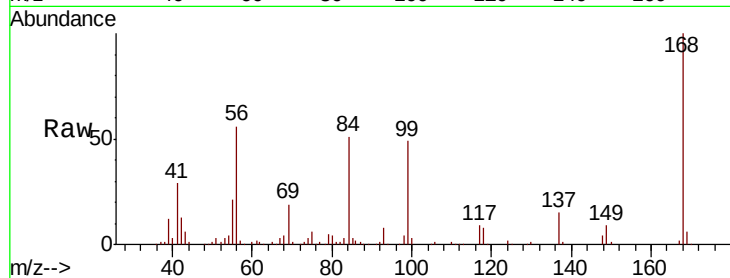
VSTDCCC050

Tot Ion:168 Resp: 395034

Ion Ratio Lower Upper

168 100

99 49.2 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

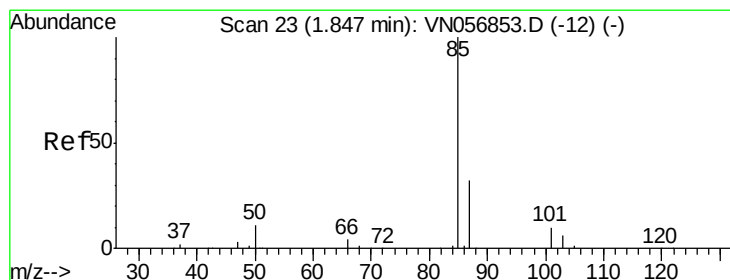
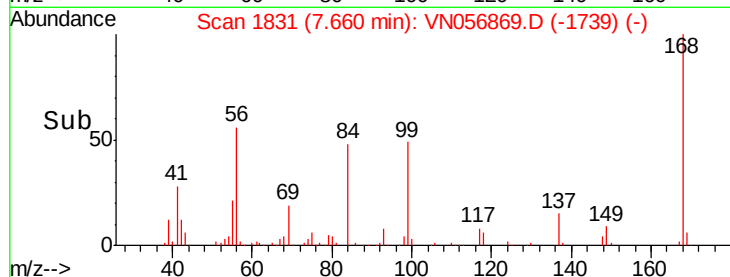
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 48.218 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056869.D

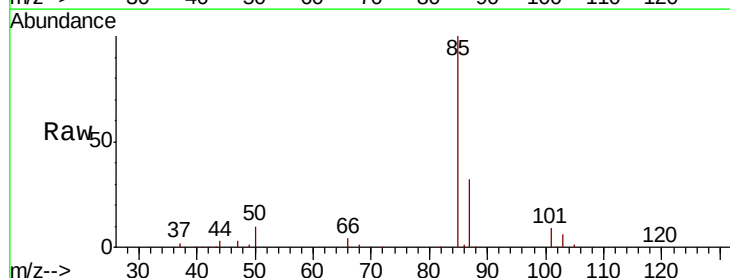
Acq: 23 Jul 2019 9:11

Tgt Ion: 85 Resp: 232887

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

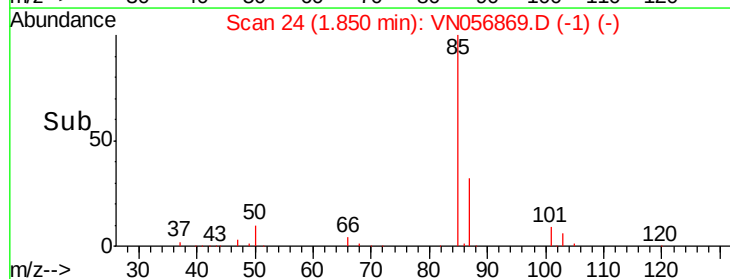
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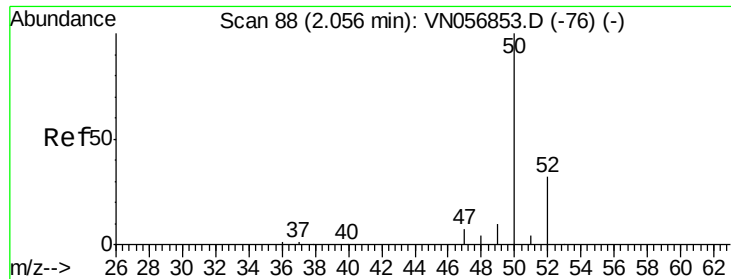
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 45.591 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

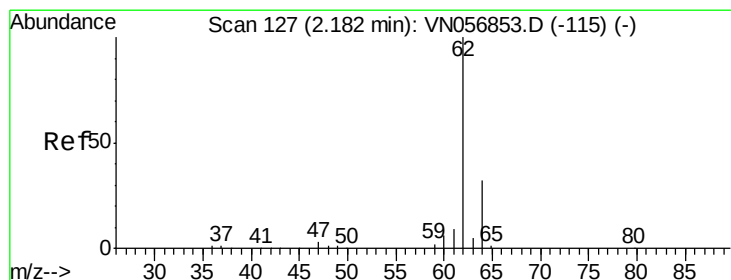
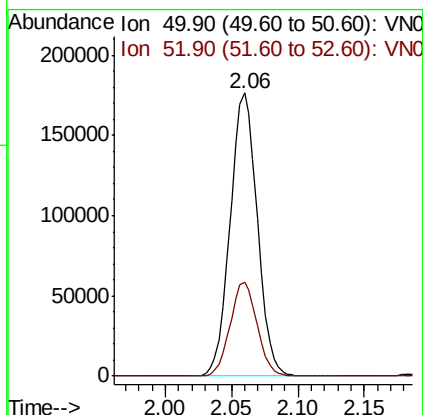
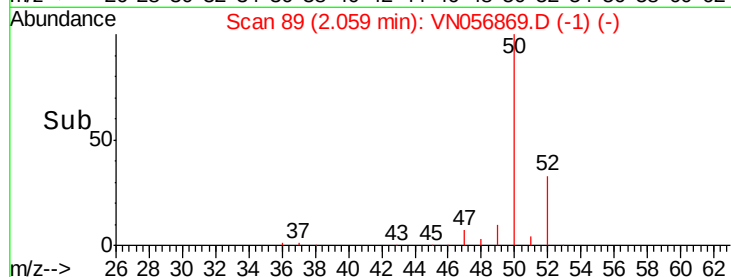
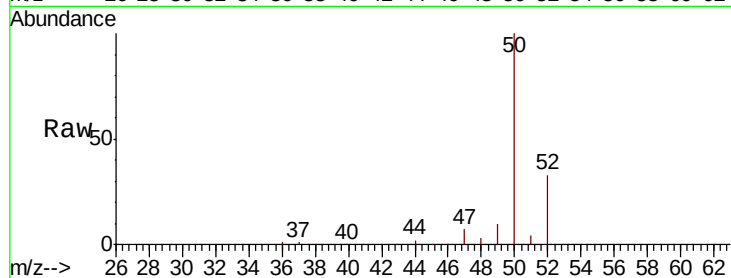
VSTDCCC050

Tot Ion: 50 Resp: 251355

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



#4

Vinyl Chloride

Concen: 48.369 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056869.D

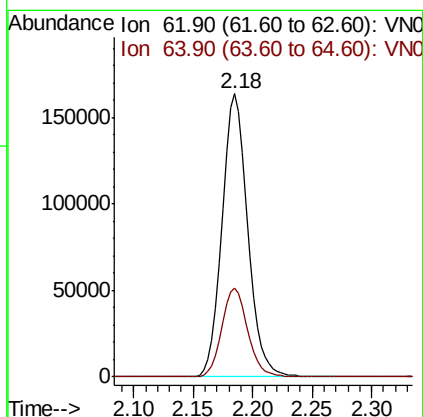
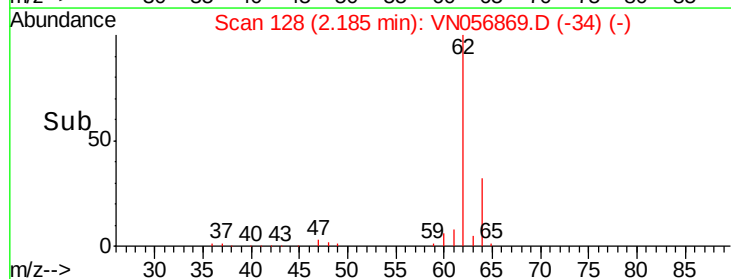
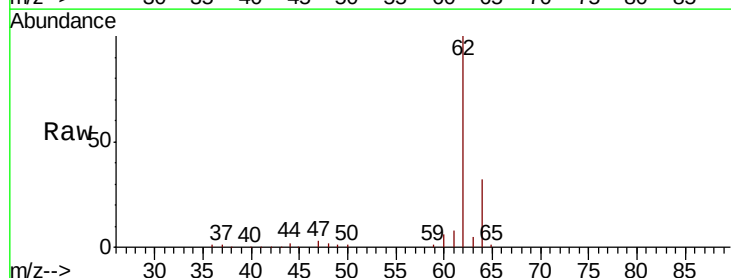
Acq: 23 Jul 2019 9:11

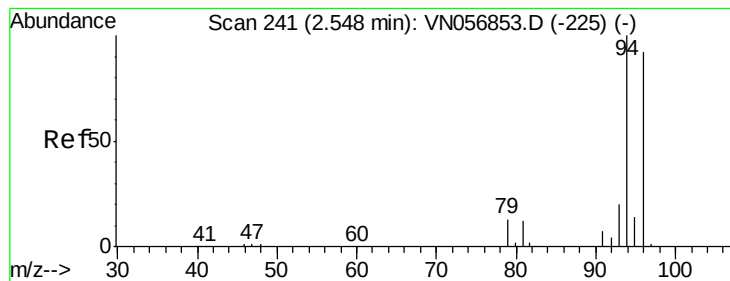
Tgt Ion: 62 Resp: 244974

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 46.206 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

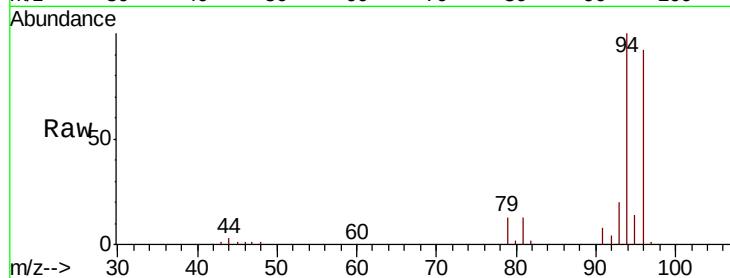
VSTDCCC050

Tot Ion: 94 Resp: 142345

Ion Ratio Lower Upper

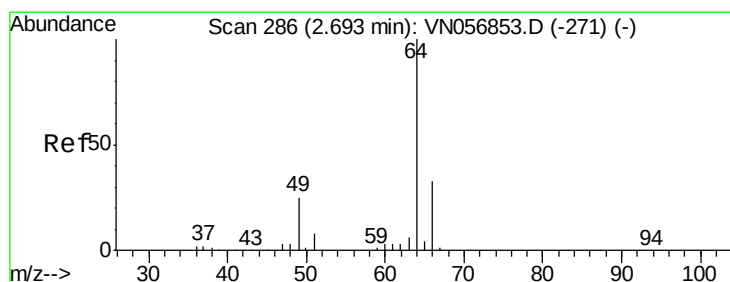
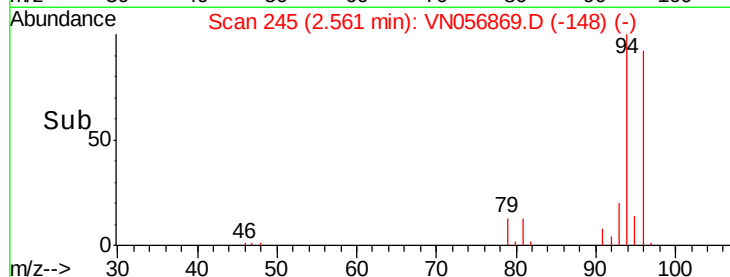
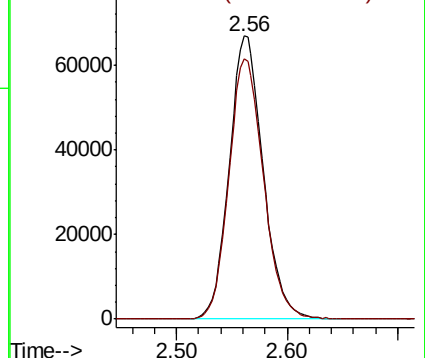
94 100

96 92.1 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.415 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056869.D

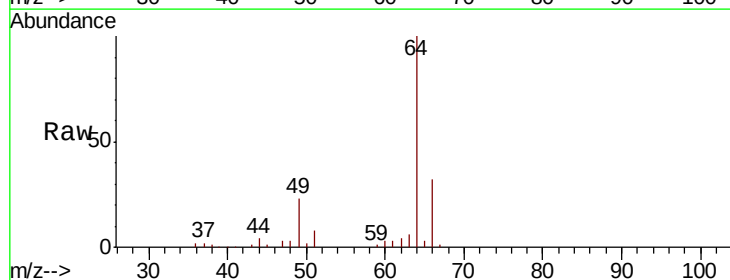
Acq: 23 Jul 2019 9:11

Tgt Ion: 64 Resp: 131601

Ion Ratio Lower Upper

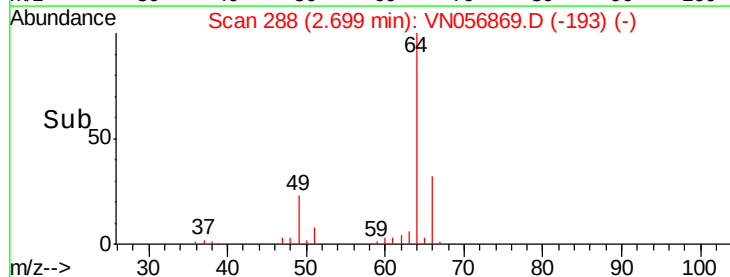
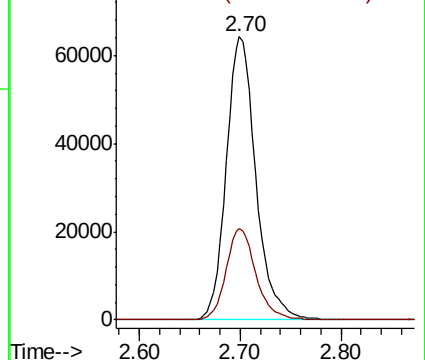
64 100

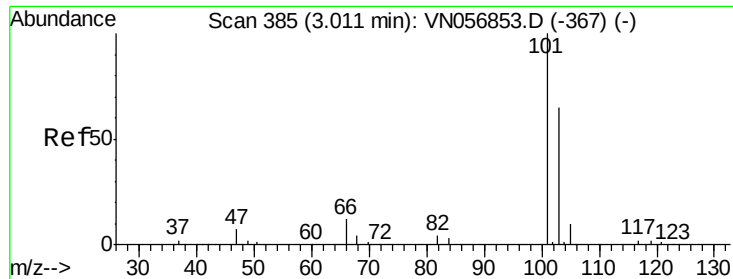
66 32.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



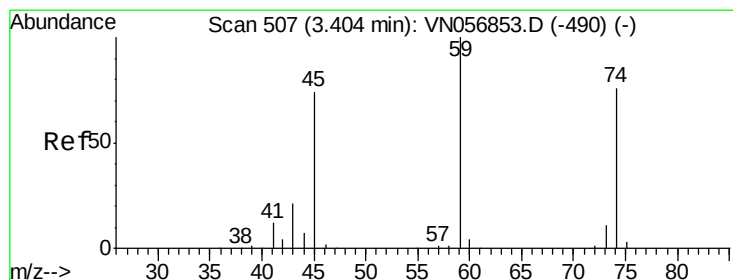
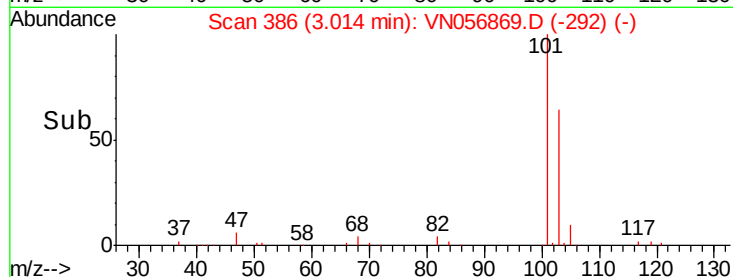
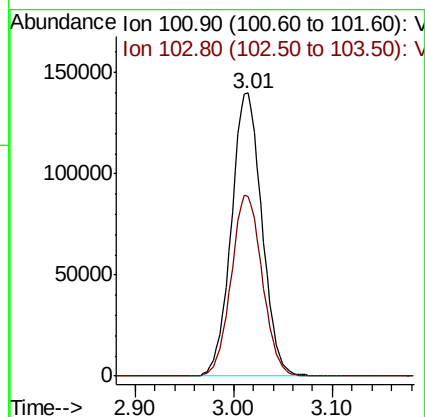
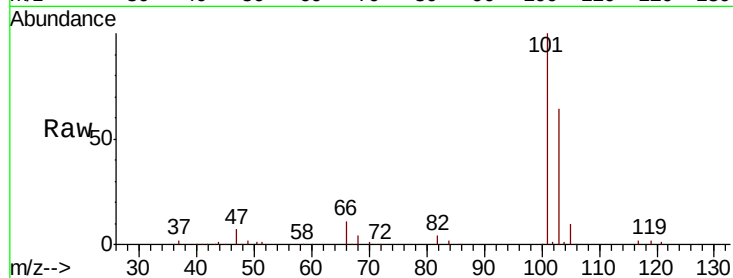


#7

Trichlorofluoromethane
Concen: 48.771 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
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ClientSampleId :
VSTDCCC050

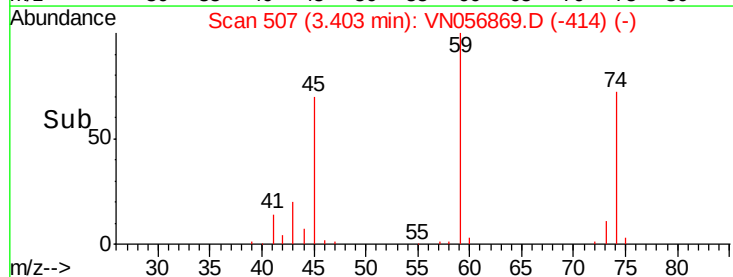
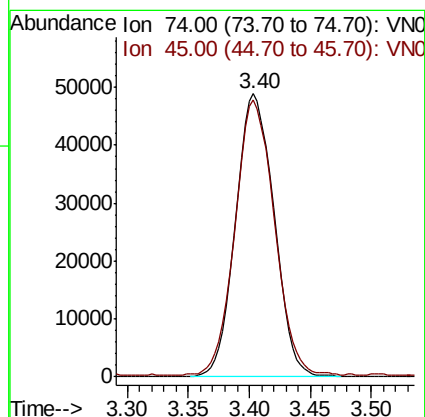
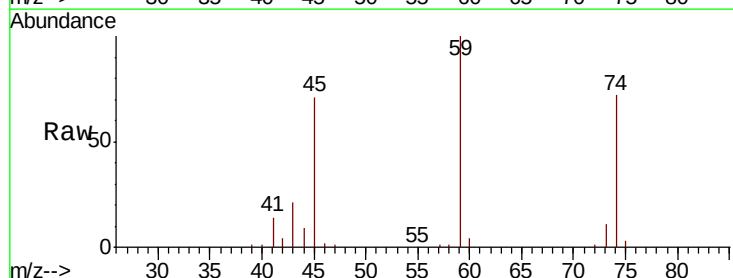
Tot Ion:101 Resp: 301772
Ion Ratio Lower Upper
101 100
103 63.6 52.3 78.5

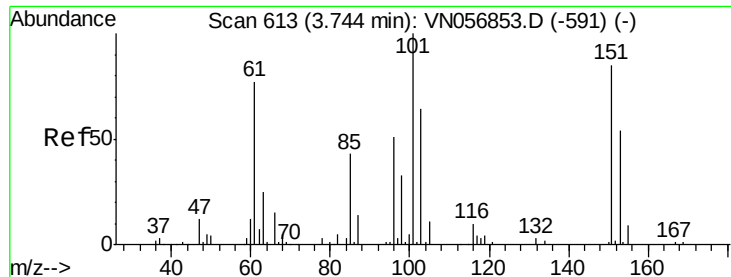


#8

Diethyl Ether
Concen: 46.301 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 74 Resp: 106748
Ion Ratio Lower Upper
74 100
45 98.7 49.2 147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.750 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

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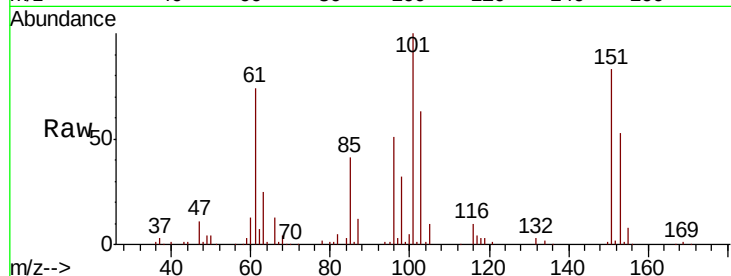
Tot Ion:101 Resp: 190374

Ion Ratio Lower Upper

101 100

85 41.3 33.7 50.5

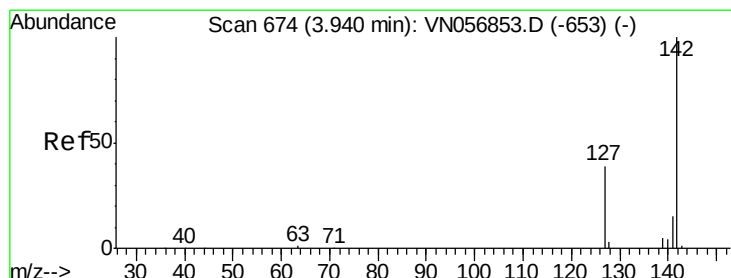
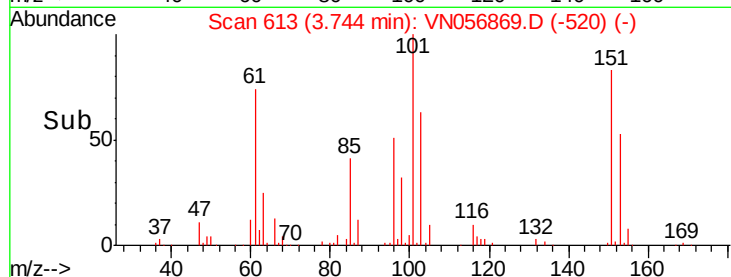
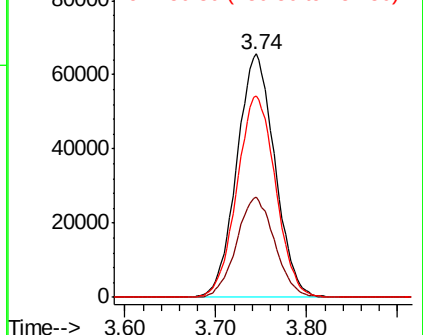
151 84.0 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.121 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

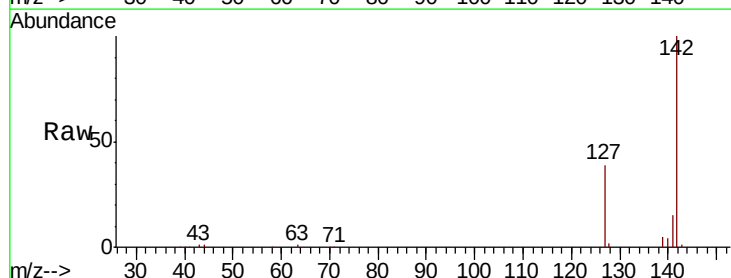
Tgt Ion:142 Resp: 264219

Ion Ratio Lower Upper

142 100

127 38.4 31.2 46.8

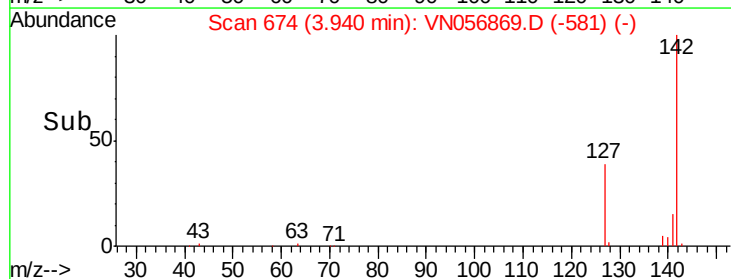
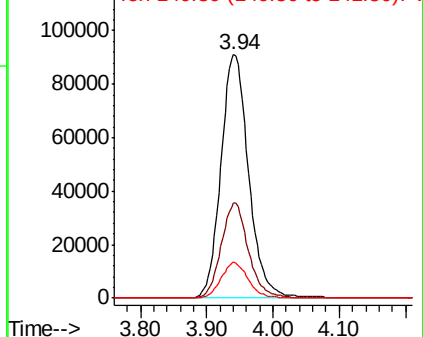
141 14.3 11.4 17.2

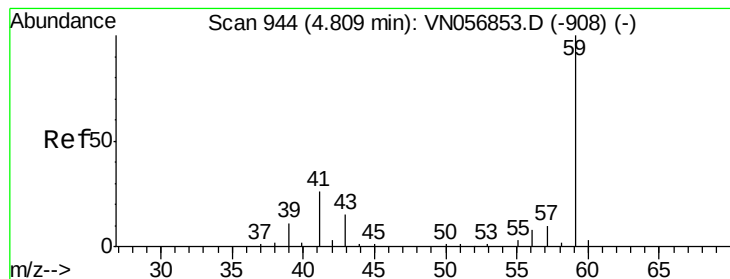


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 254.374 ug/l

RT: 4.80 min Scan# 942

Delta R.T. -0.01 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

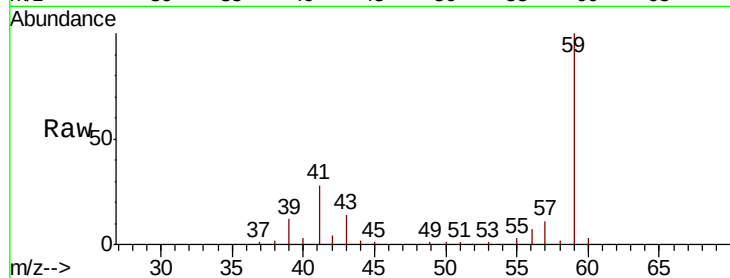
VSTDCCC050

Tot Ion: 59 Resp: 152260

Ion Ratio Lower Upper

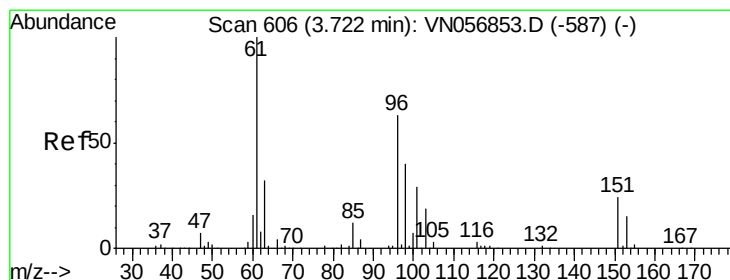
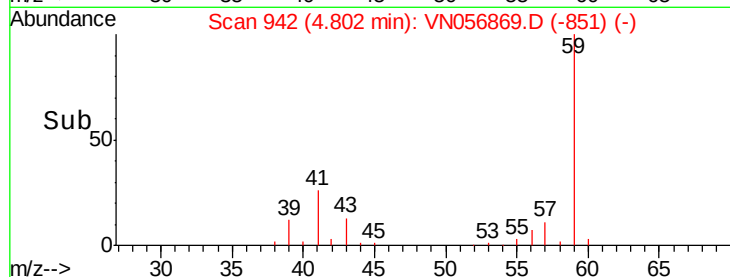
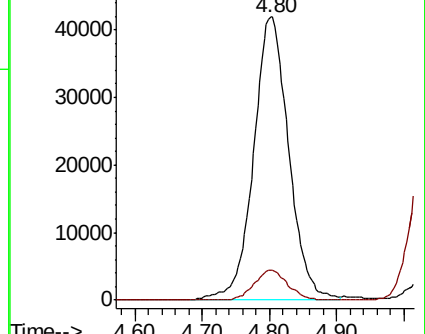
59 100

57 10.0 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN056853.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN056853.D (-908) (-)



#12

1,1-Dichloroethene

Concen: 48.501 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

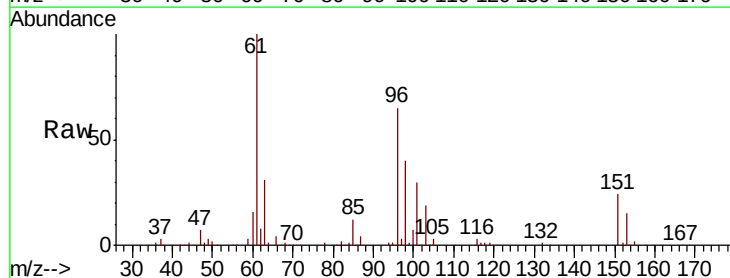
Tgt Ion: 96 Resp: 185930

Ion Ratio Lower Upper

96 100

61 152.5 126.3 189.5

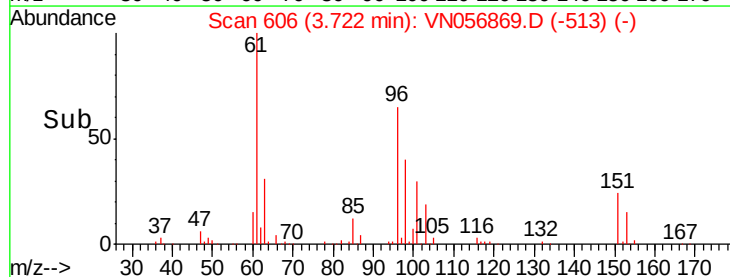
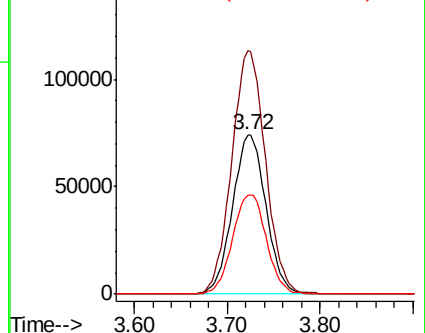
98 61.7 51.0 76.4

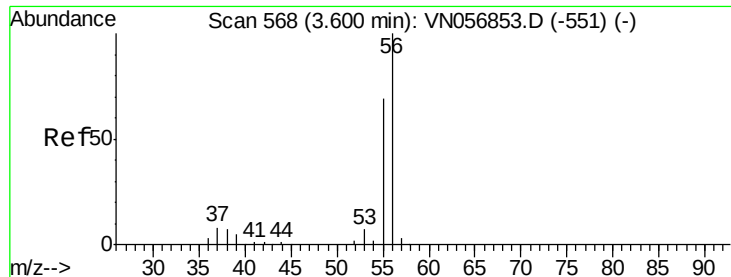


Abundance Ion 95.90 (95.60 to 96.60): VN056853.D (-587) (-)

Ion 60.90 (60.60 to 61.60): VN056853.D (-587) (-)

Ion 97.90 (97.60 to 98.60): VN056853.D (-587) (-)





#13

Acrolein

Concen: 227.467 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

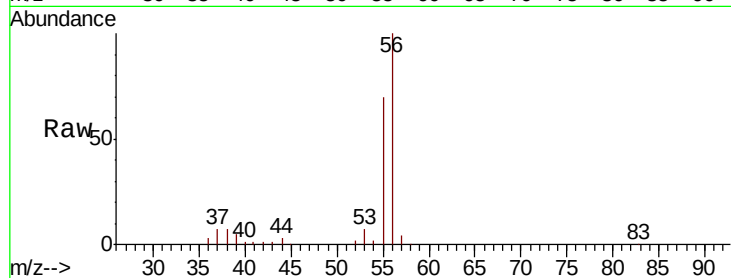
VSTDCCC050

Tot Ion: 56 Resp: 113288

Ion Ratio Lower Upper

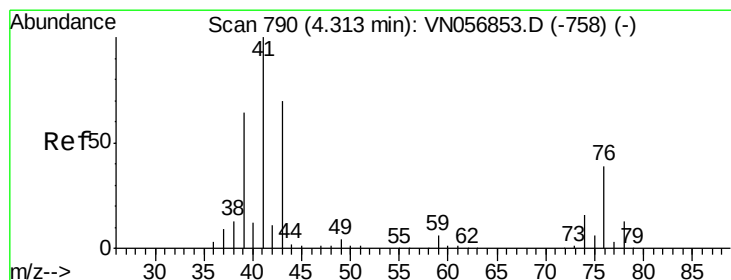
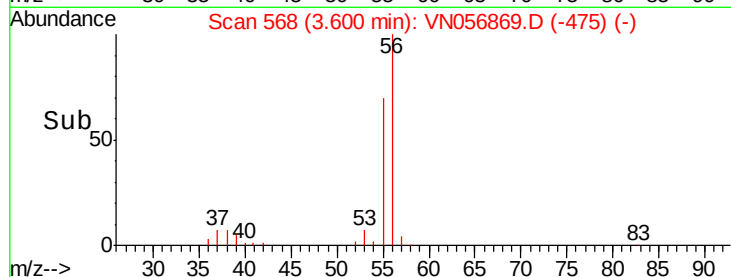
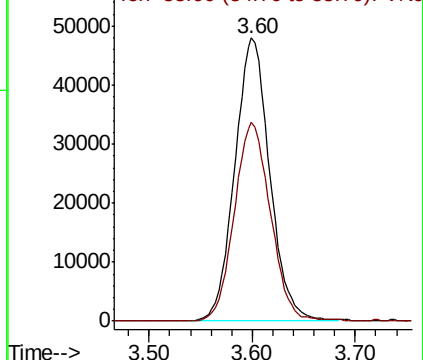
56 100

55 72.2 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.861 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

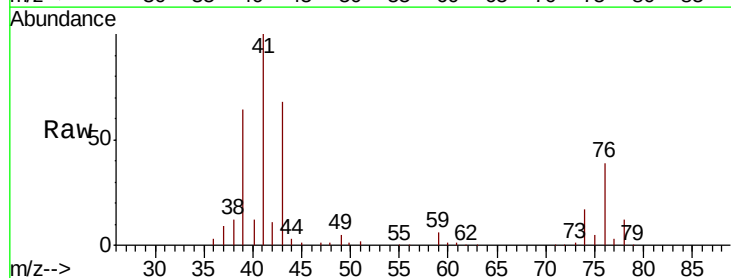
Tgt Ion: 41 Resp: 301647

Ion Ratio Lower Upper

41 100

39 59.4 47.8 71.6

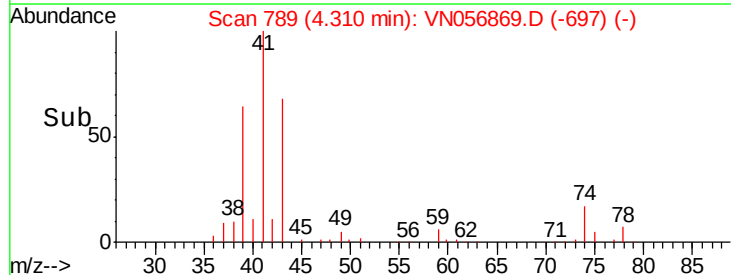
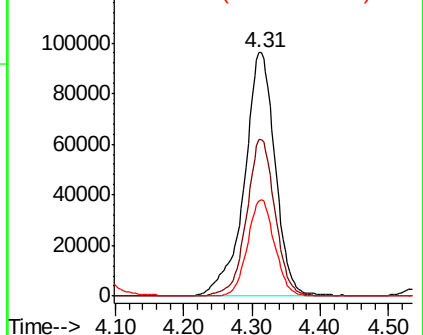
76 34.7 27.9 41.9

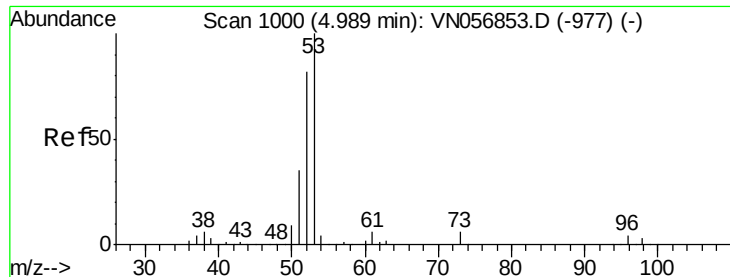


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 247.648 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

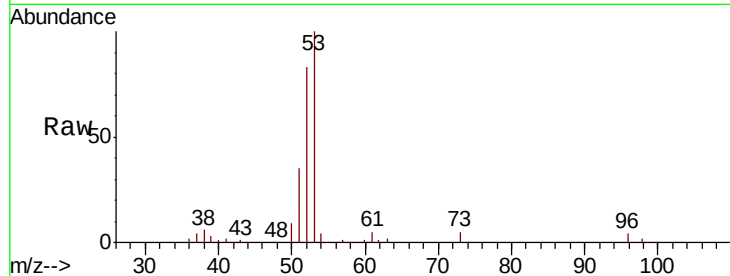
Tot Ion: 53 Resp: 446043

Ion Ratio Lower Upper

53 100

52 81.9 65.0 97.6

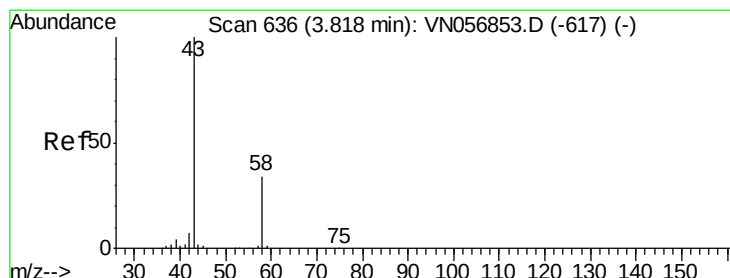
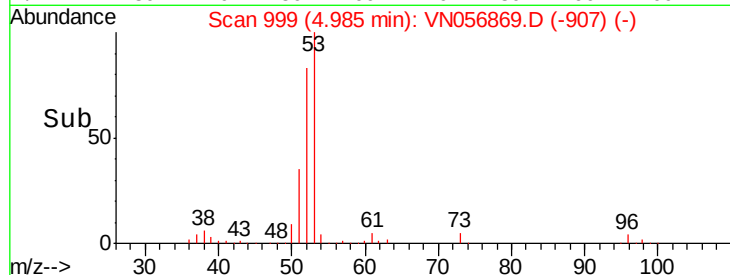
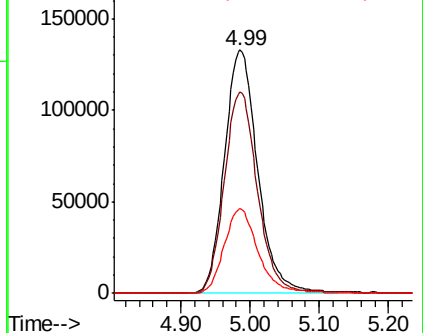
51 35.4 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 284.793 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056869.D

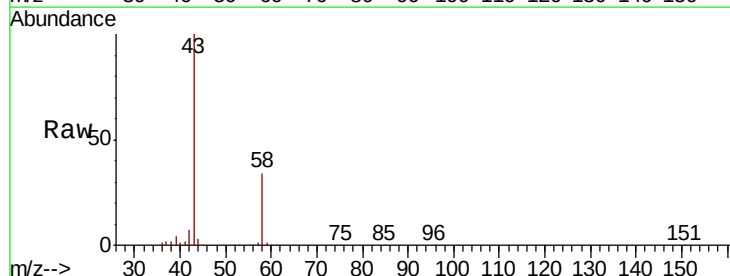
Acq: 23 Jul 2019 9:11

Tgt Ion: 43 Resp: 432134

Ion Ratio Lower Upper

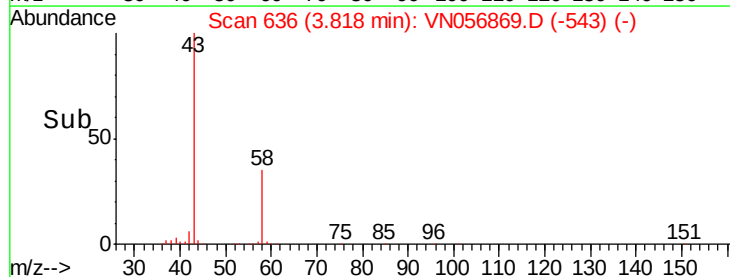
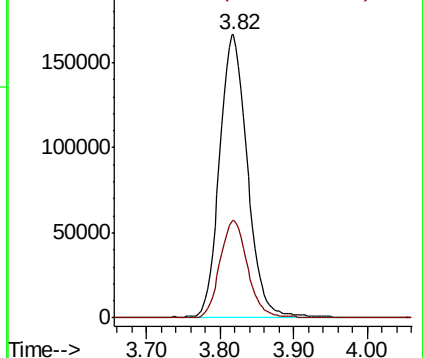
43 100

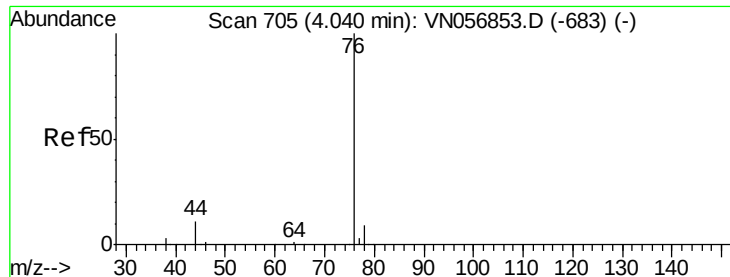
58 34.5 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.666 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

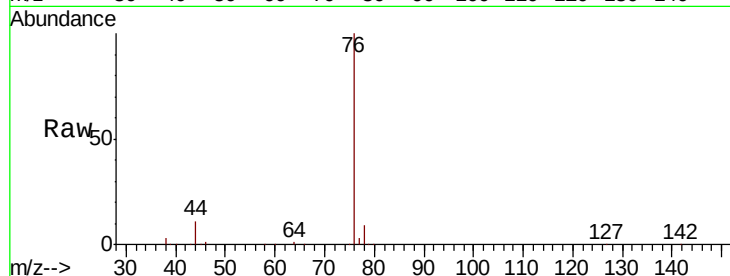
VSTDCCC050

Tot Ion: 76 Resp: 498739

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

200000

150000

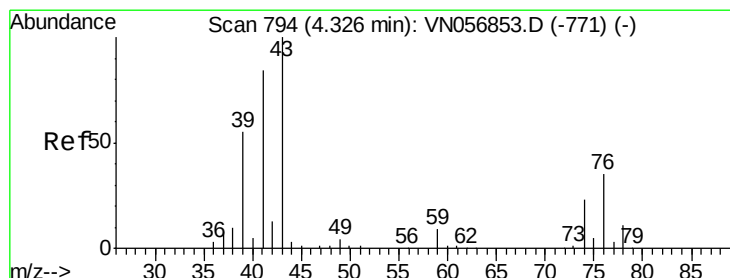
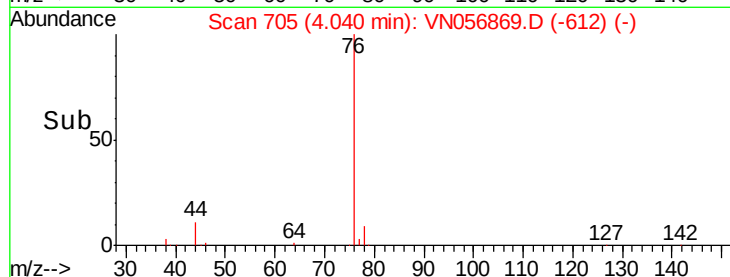
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 48.518 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN056869.D

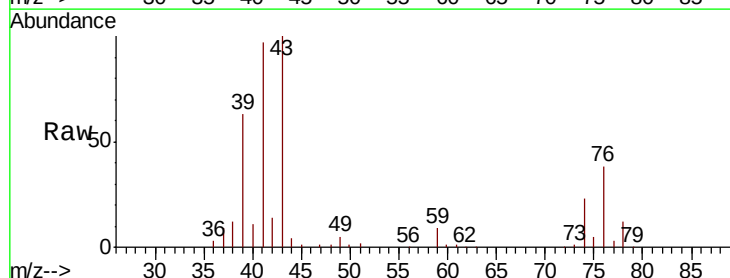
Acq: 23 Jul 2019 9:11

Tgt Ion: 43 Resp: 241561

Ion Ratio Lower Upper

43 100

74 23.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

100000

80000

60000

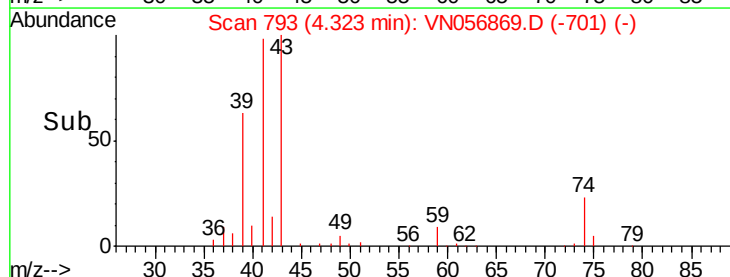
40000

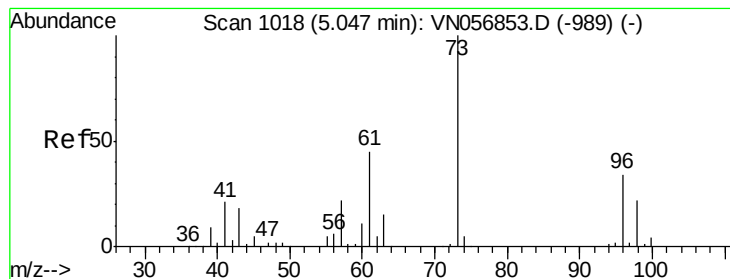
20000

0

Time-->

4.20 4.30 4.40



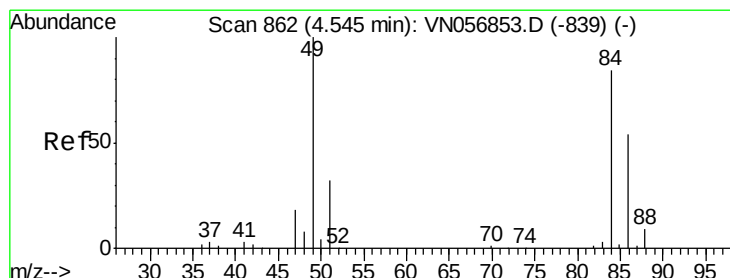
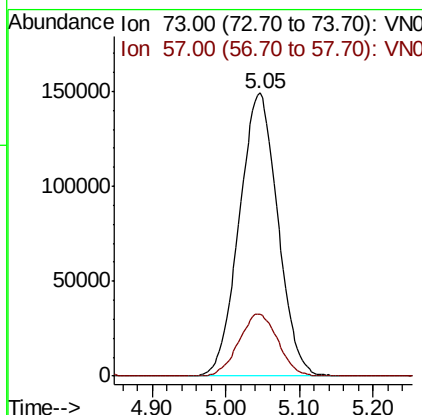
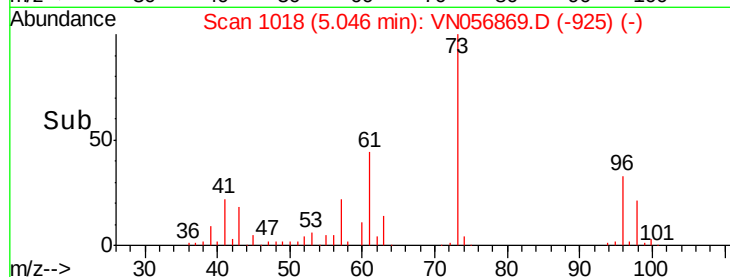
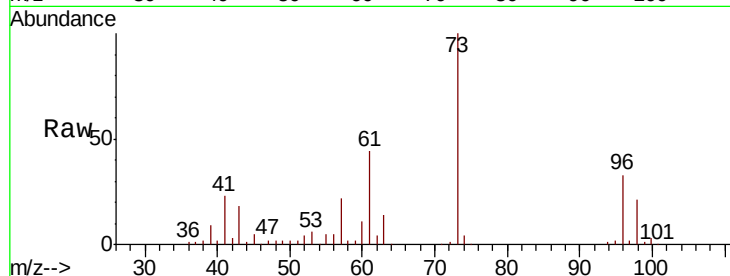


#19

Methyl tert-butyl Ether
 Concen: 47.916 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

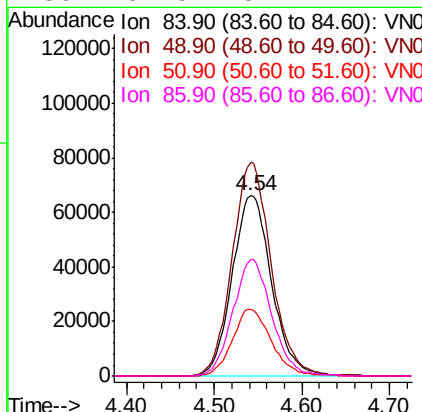
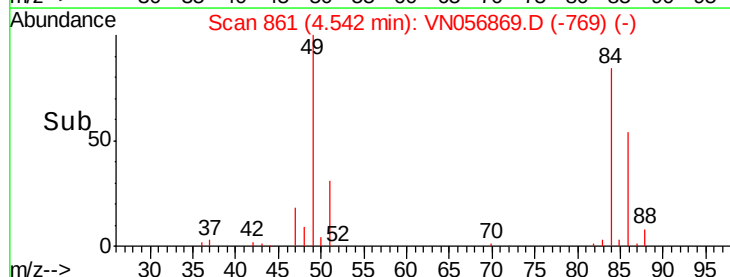
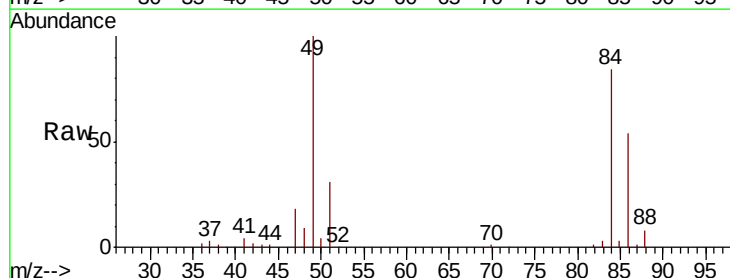
Tot Ion: 73 Resp: 542700
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.0 27.0

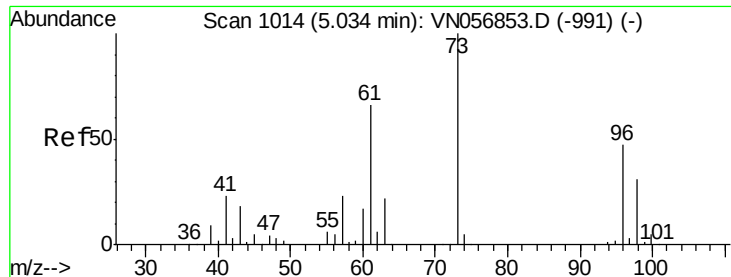


#20

Methylene Chloride
 Concen: 45.601 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 84 Resp: 206898
 Ion Ratio Lower Upper
 84 100
 49 118.4 94.9 142.3
 51 37.0 29.9 44.9
 86 64.5 51.4 77.2

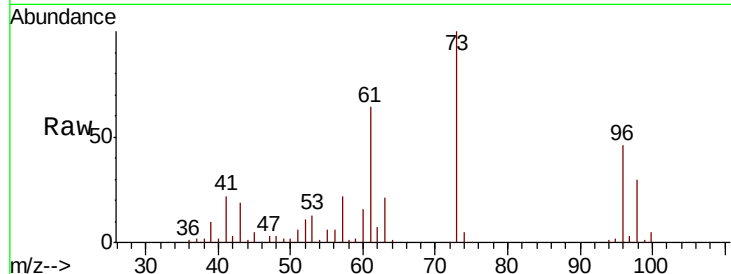




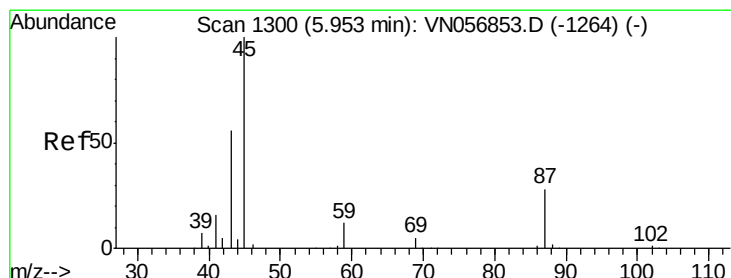
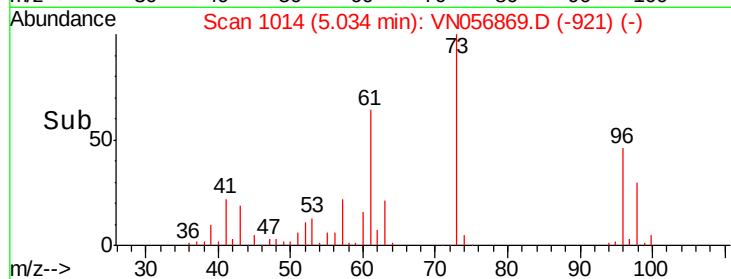
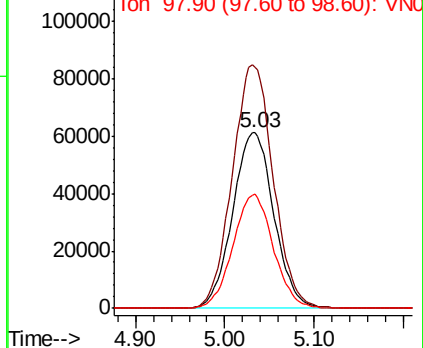
#21
trans-1,2-Dichloroethene
Concen: 48.998 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 196209
Ion Ratio Lower Upper
96 100
61 137.1 112.8 169.2
98 65.2 53.3 79.9

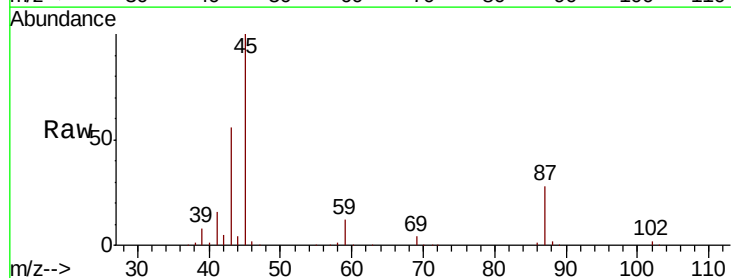


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

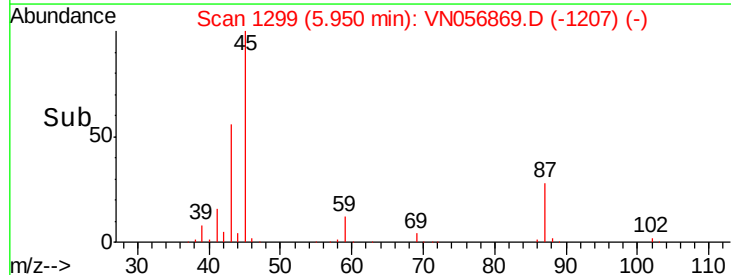
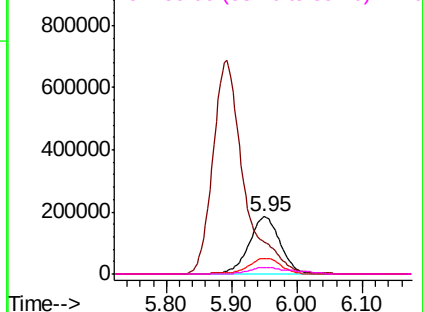


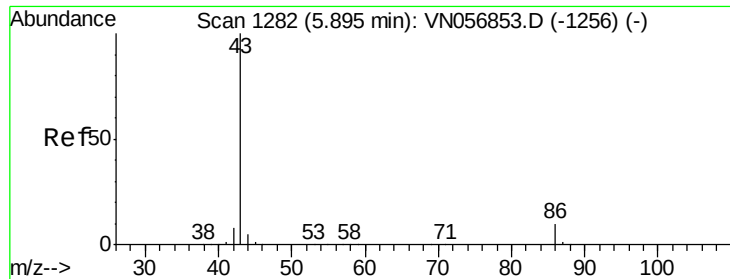
#22
Diisopropyl ether
Concen: 48.057 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 45 Resp: 612323
Ion Ratio Lower Upper
45 100
43 55.4 45.5 68.3
87 28.0 22.7 34.1
59 11.6 9.3 13.9



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





#23

Vinyl Acetate

Concen: 246.762 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

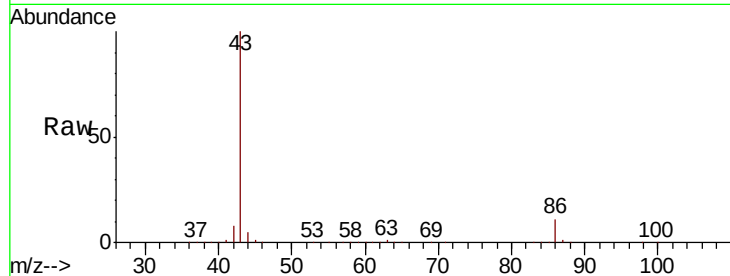
VSTDCCC050

Tot Ion: 43 Resp: 2271169

Ion Ratio Lower Upper

43 100

86 10.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN056853.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN056853.D (-1256) (-)

800000

600000

400000

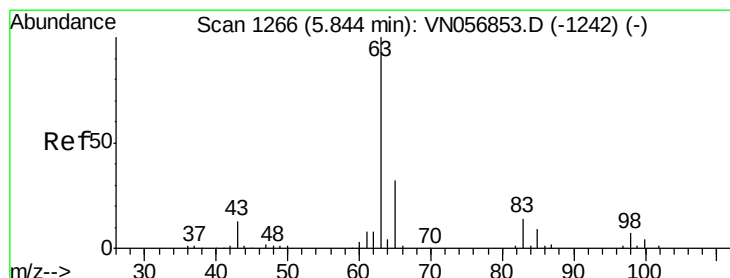
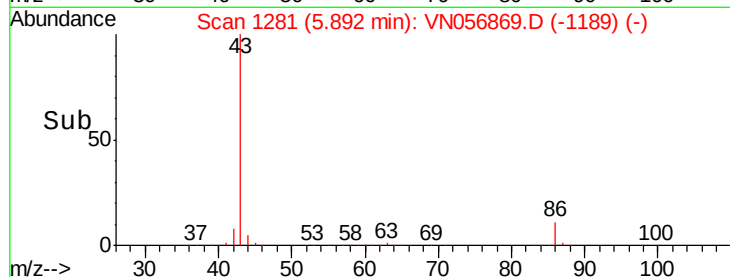
200000

0

5.89

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.741 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

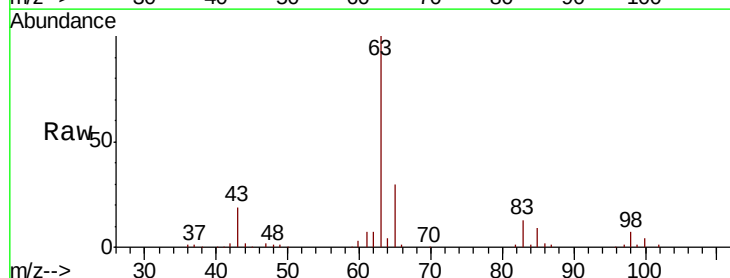
Tgt Ion: 63 Resp: 352430

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN056853.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN056853.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN056853.D (-1242) (-)

150000

100000

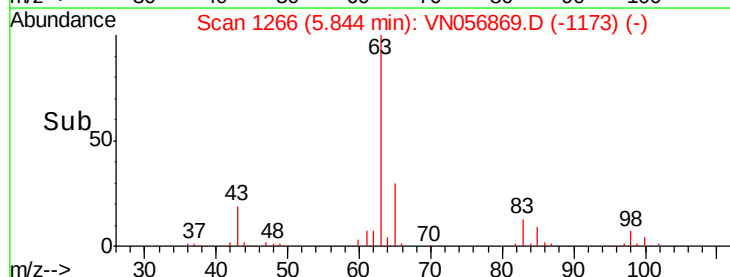
50000

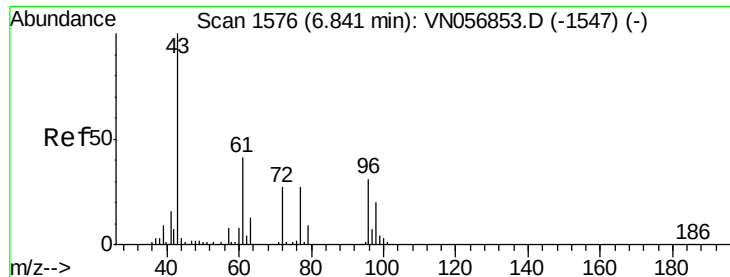
0

5.84

5.70 5.90 6.00

Time-->

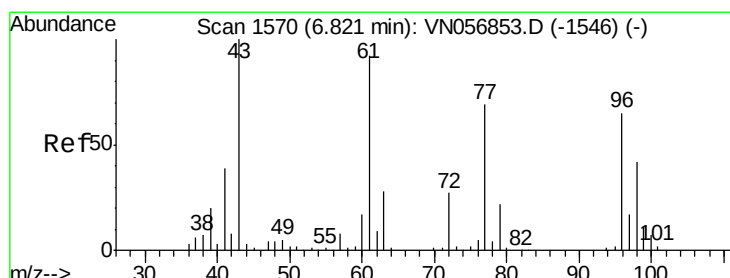
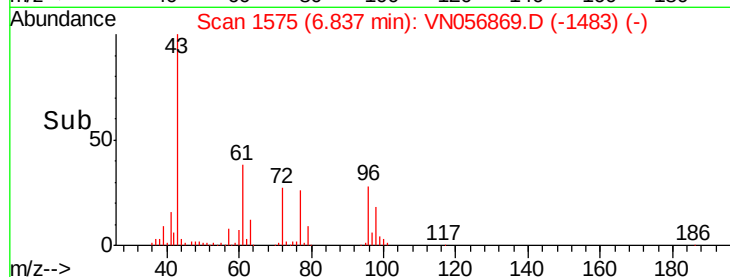
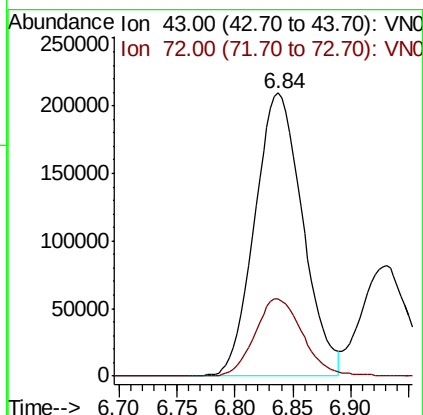
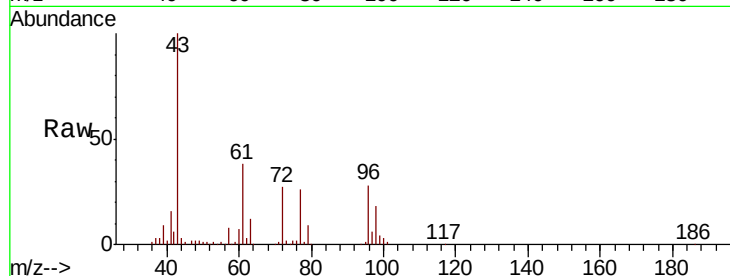




#25
2-Butanone
Concen: 269.240 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

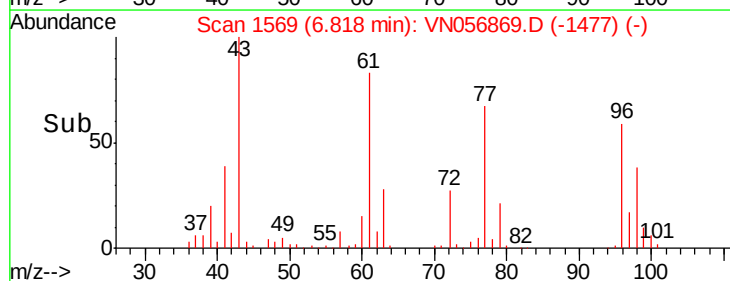
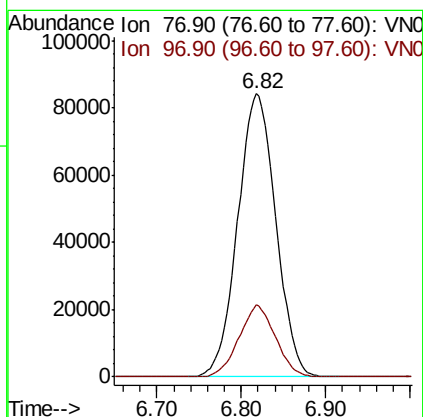
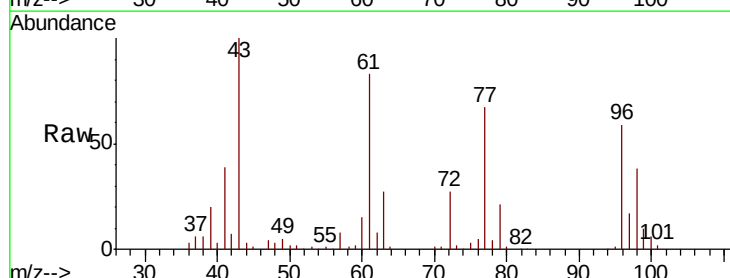
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

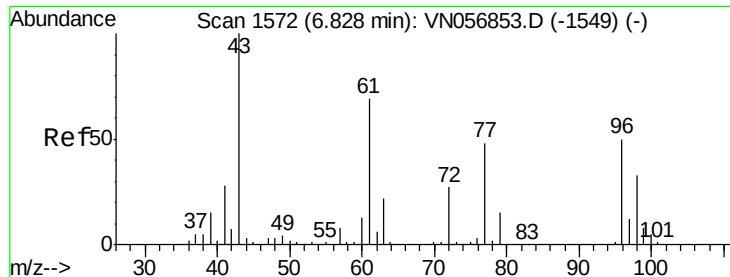
Tot Ion: 43 Resp: 600494
Ion Ratio Lower Upper
43 100
72 27.2 21.5 32.3



#26
2,2-Dichloropropane
Concen: 51.102 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 77 Resp: 263969
Ion Ratio Lower Upper
77 100
97 24.2 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 47.910 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

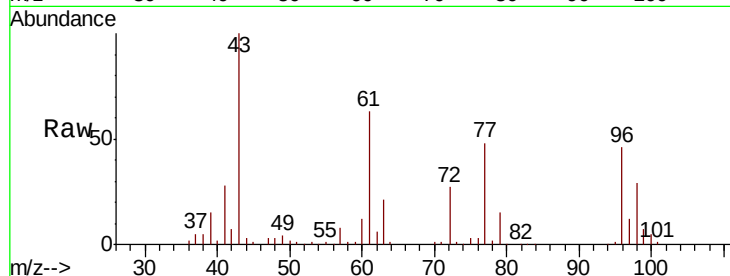
Tot Ion: 96 Resp: 219944

Ion Ratio Lower Upper

96 100

61 141.8 0.0 281.6

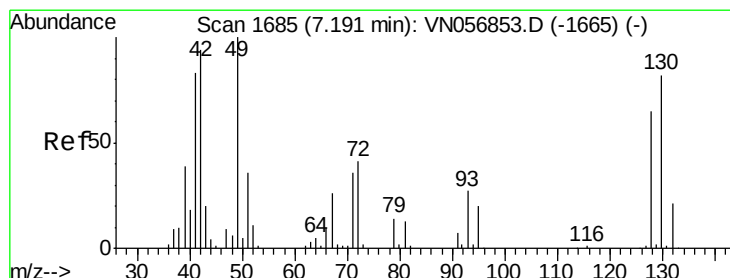
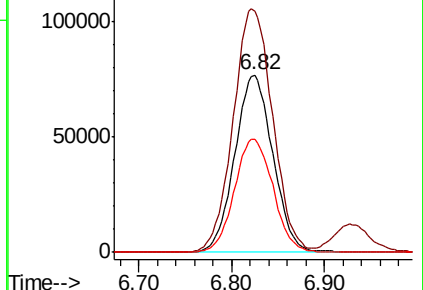
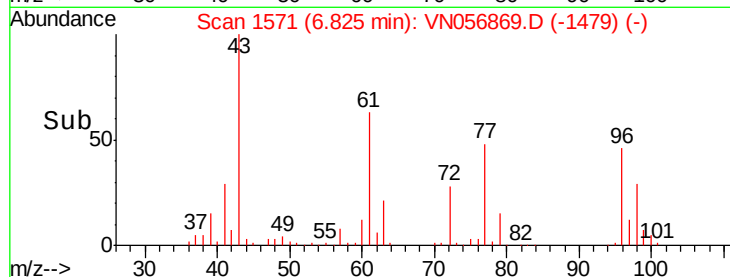
98 64.7 0.0 132.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.932 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

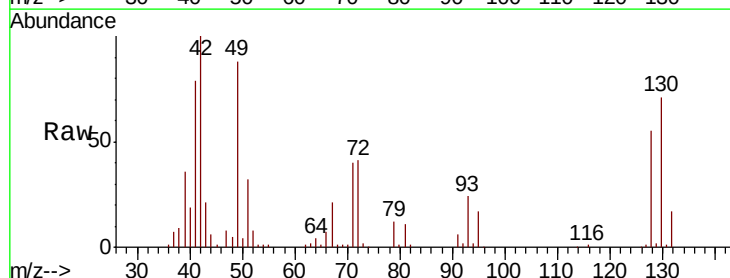
Tgt Ion: 49 Resp: 160618

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

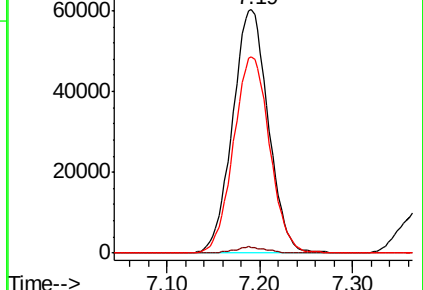
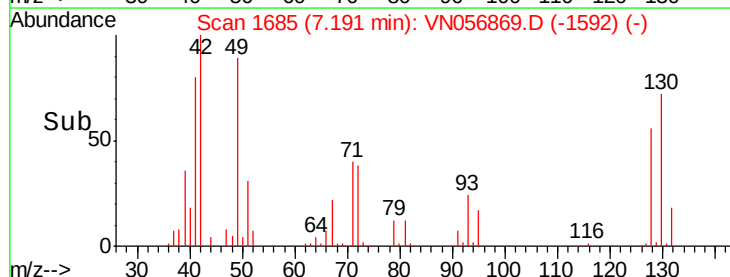
130 81.9 65.0 97.6

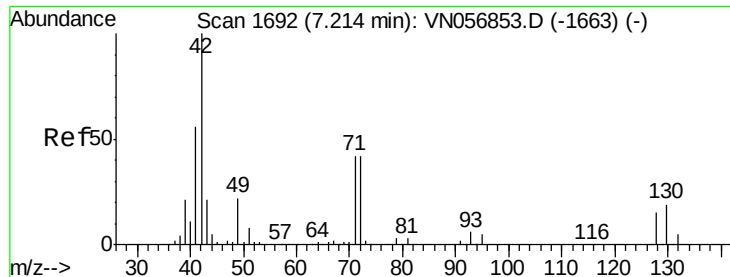


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

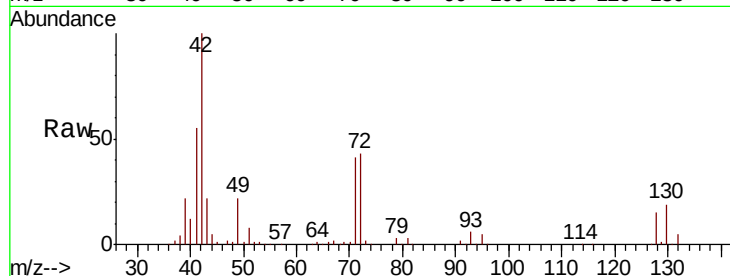




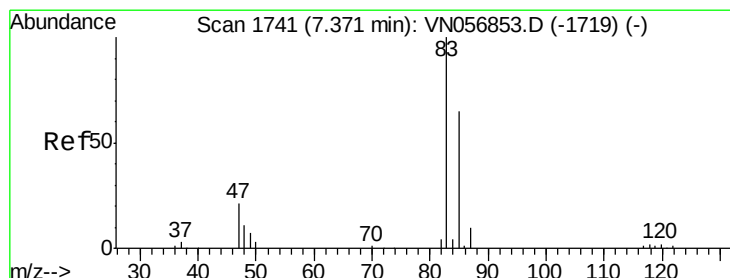
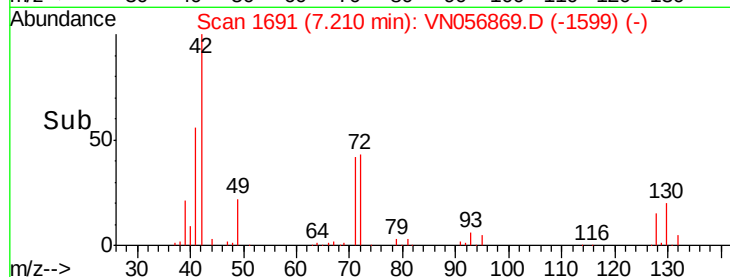
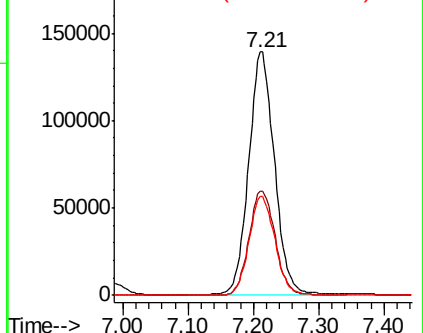
#29
Tetrahydrofuran
Concen: 250.042 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 383426
Ion Ratio Lower Upper
42 100
72 43.5 34.2 51.2
71 40.9 32.7 49.1

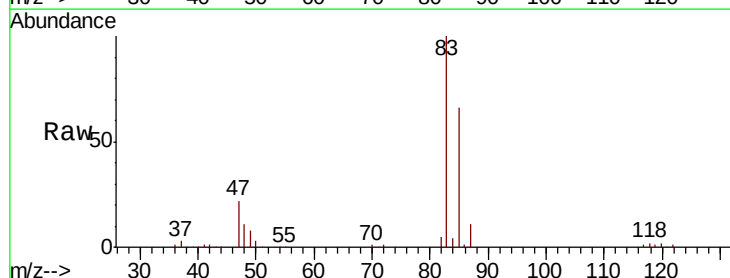


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

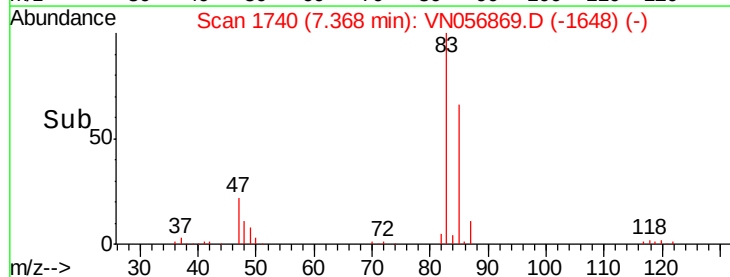
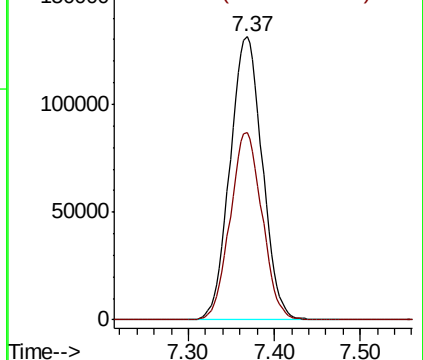


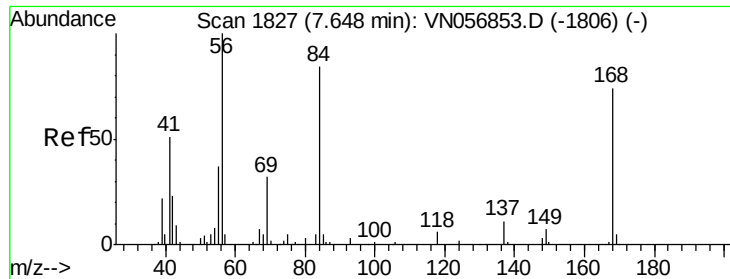
#30
Chloroform
Concen: 46.294 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 83 Resp: 342597
Ion Ratio Lower Upper
83 100
85 66.2 52.3 78.5



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





#31

Cyclohexane

Concen: 47.384 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

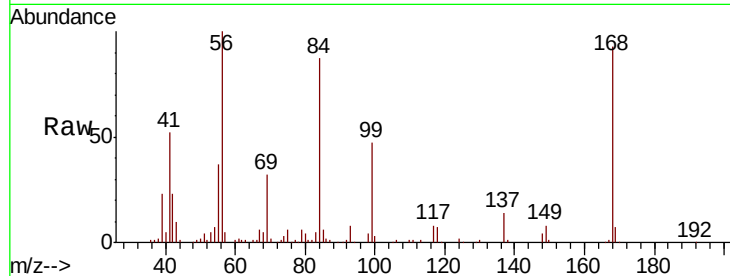
Tot Ion: 56 Resp: 339371

Ion Ratio Lower Upper

56 100

69 32.2 25.5 38.3

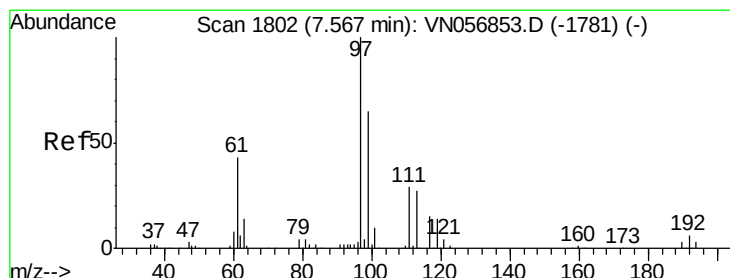
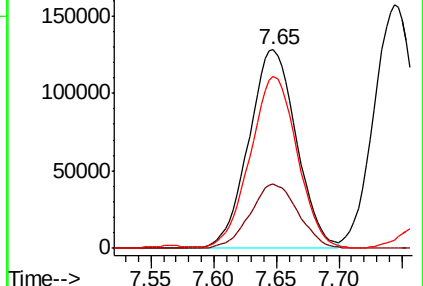
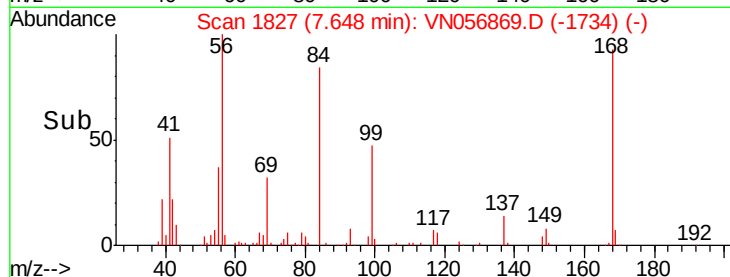
84 85.8 67.3 100.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.393 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

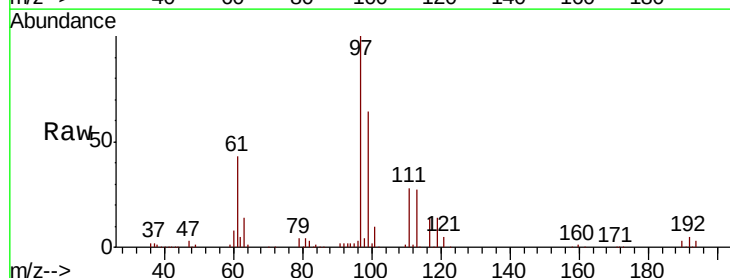
Tgt Ion: 97 Resp: 289721

Ion Ratio Lower Upper

97 100

99 63.9 52.1 78.1

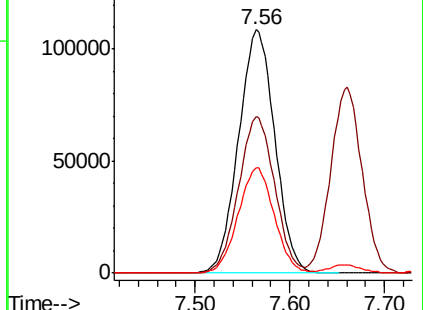
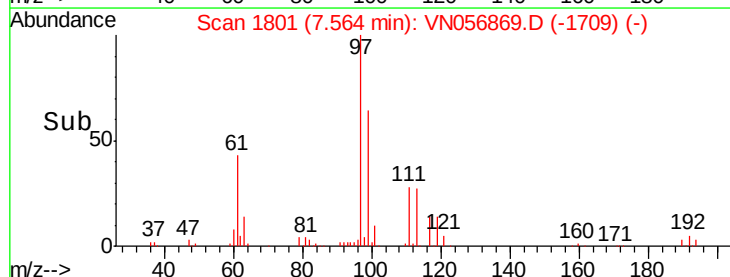
61 43.0 34.0 51.0

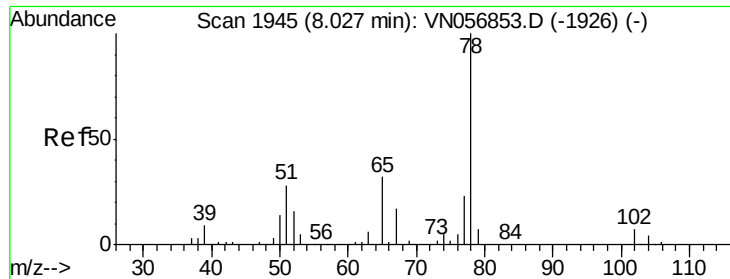


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

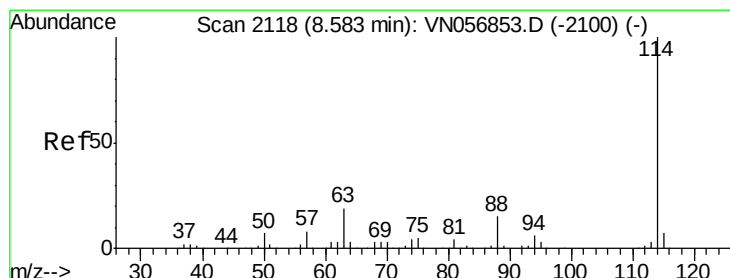
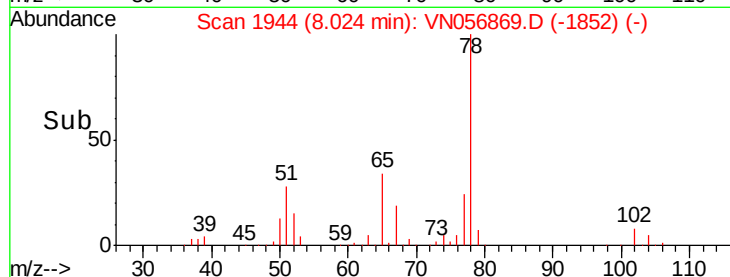
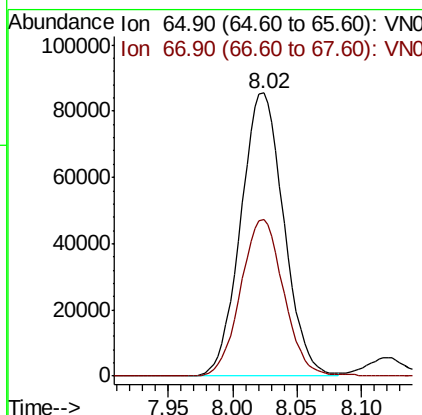
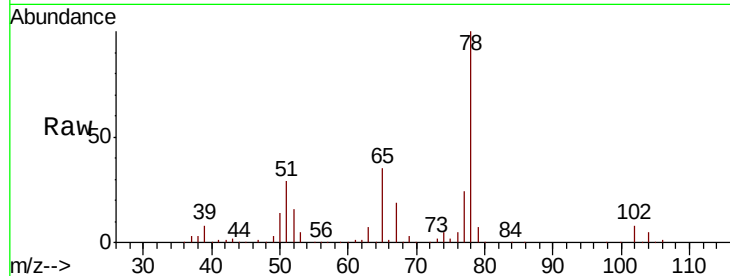




#33
 1,2-Dichloroethane-d4
 Concen: 47.269 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

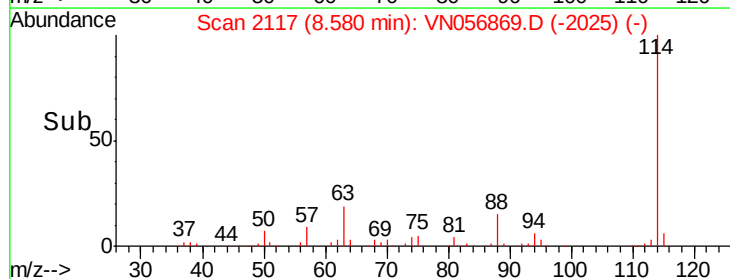
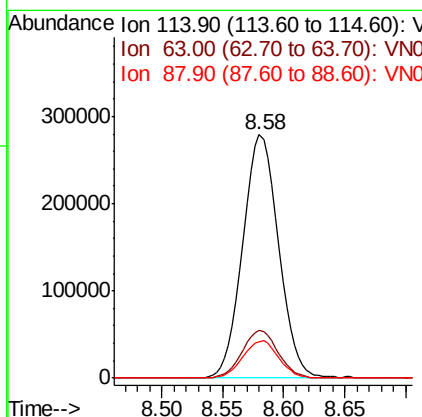
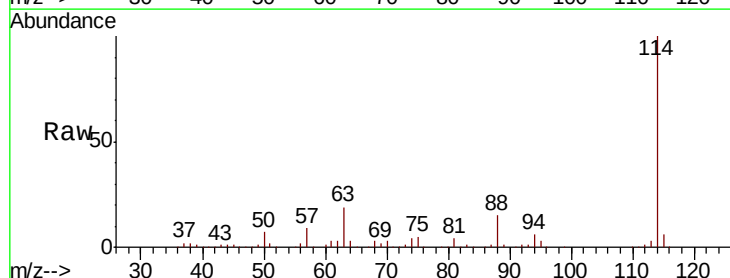
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

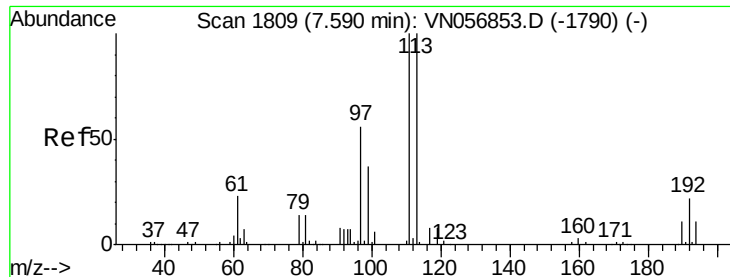
Tot Ion: 65 Resp: 199176
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 114 Resp: 566229
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.8
 88 15.1 0.0 31.0

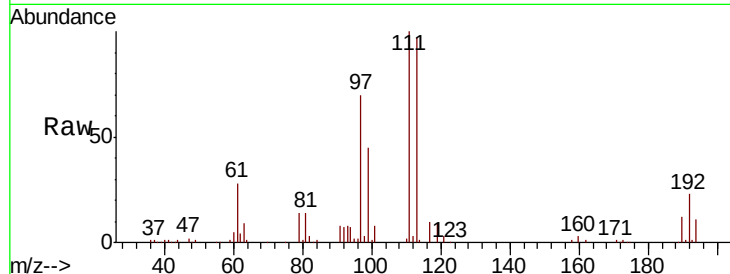




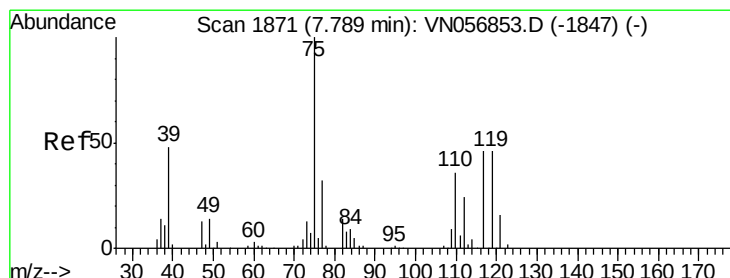
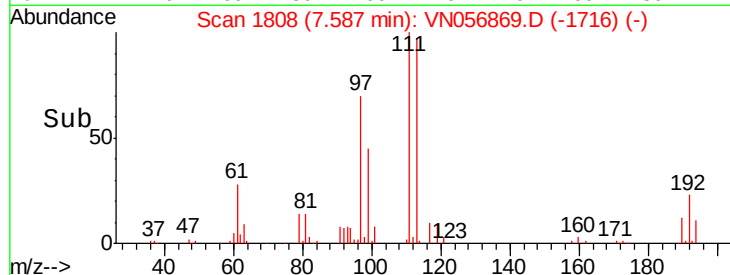
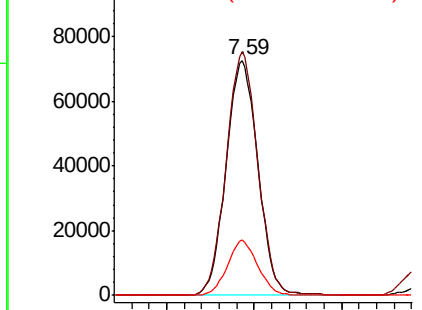
#35
 Dibromofluoromethane
 Concen: 51.131 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	22.3	18.5	27.7

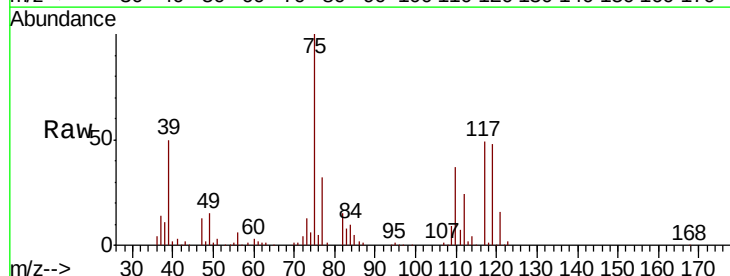


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

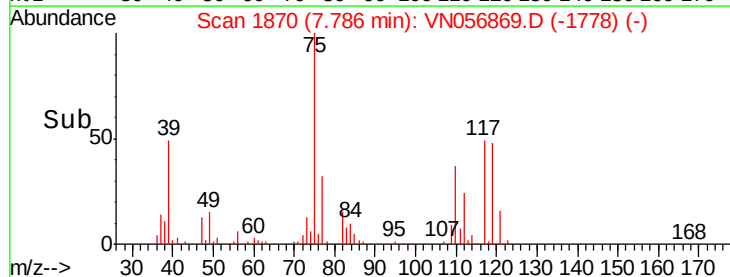
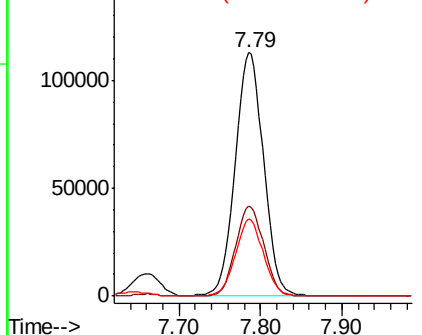


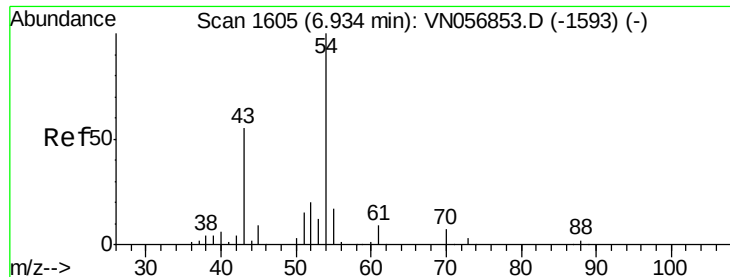
#36
 1,1-Dichloropropene
 Concen: 52.016 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.9	53.7
77	31.4	25.0	37.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

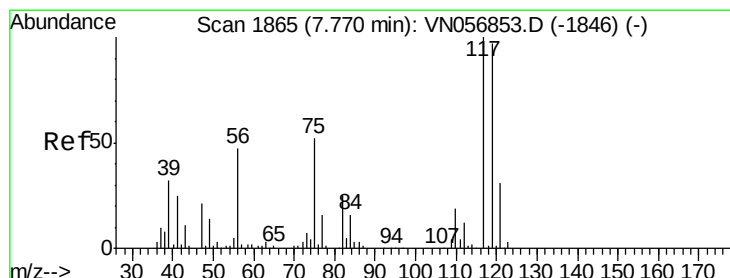
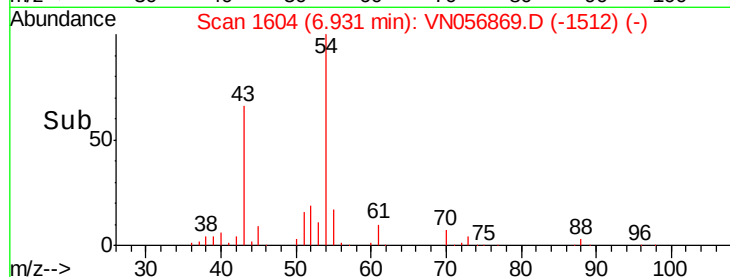
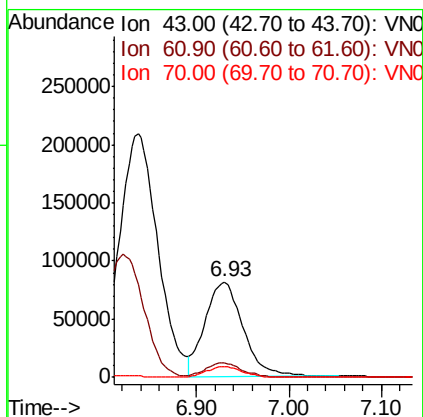
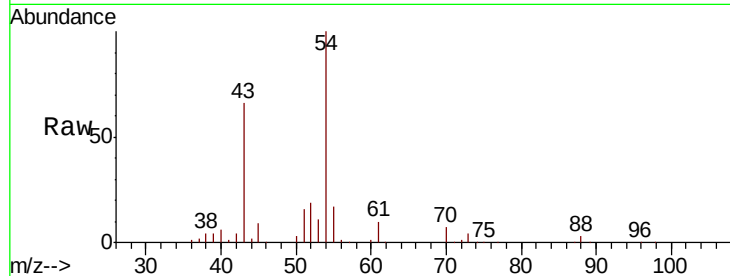




#37
Ethyl Acetate
Concen: 55.135 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

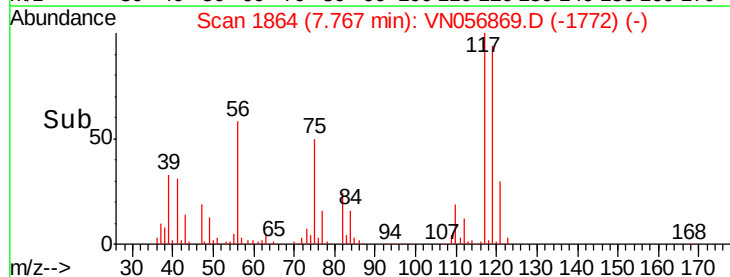
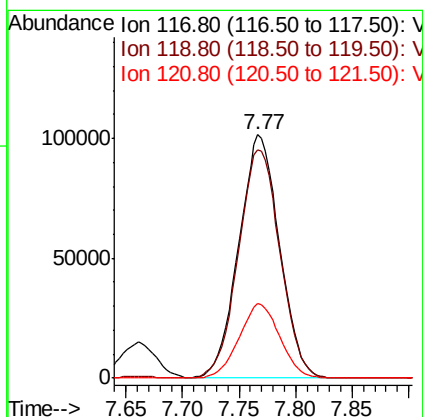
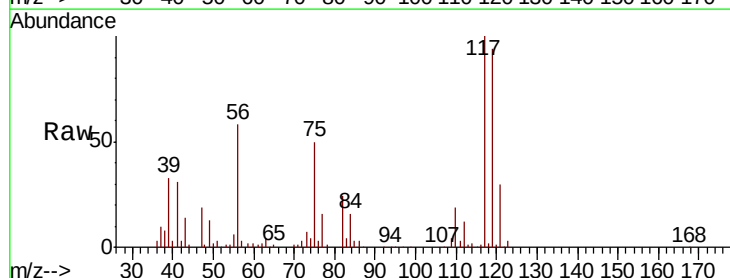
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

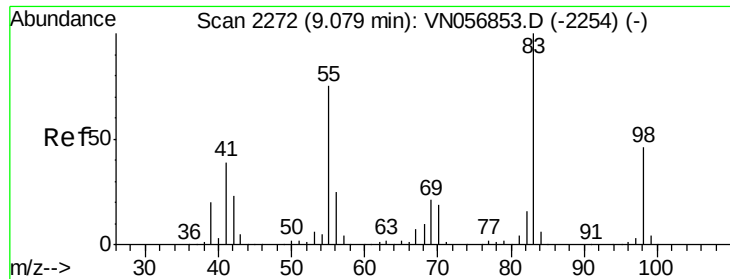
Tot Ion: 43 Resp: 232173
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 50.818 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 117 Resp: 252611
Ion Ratio Lower Upper
117 100
119 93.8 77.2 115.8
121 30.5 24.5 36.7

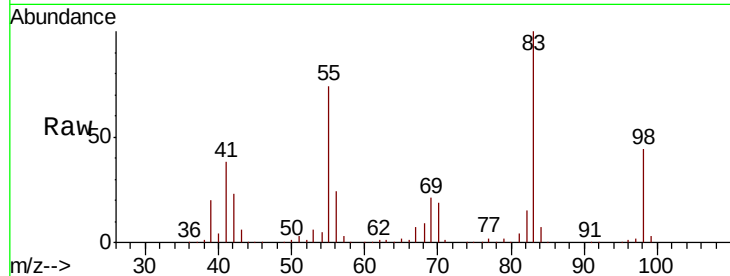




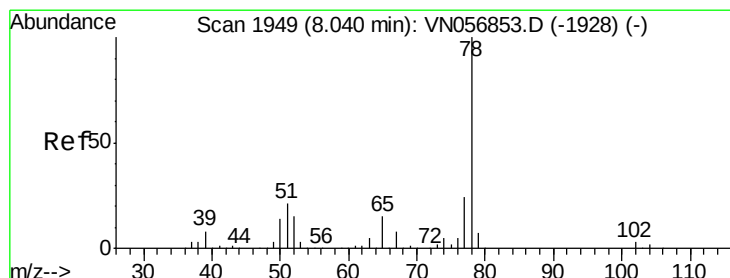
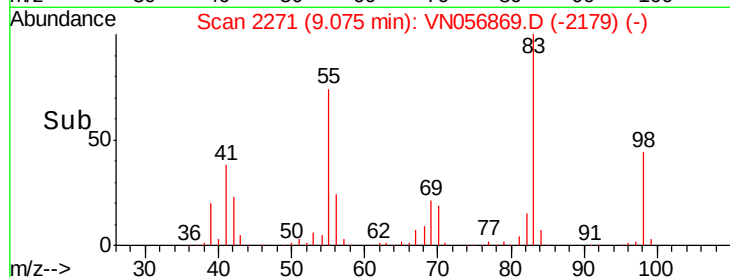
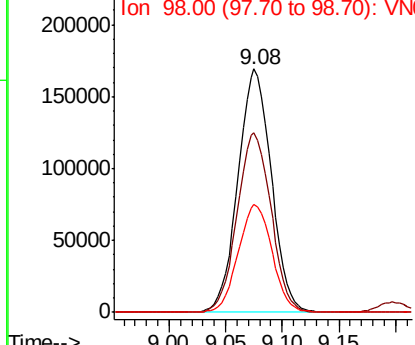
#39
Methylvlcyclohexane
Concen: 53.243 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 347900
Ion Ratio Lower Upper
83 100
55 73.6 59.8 89.8
98 44.1 37.1 55.7

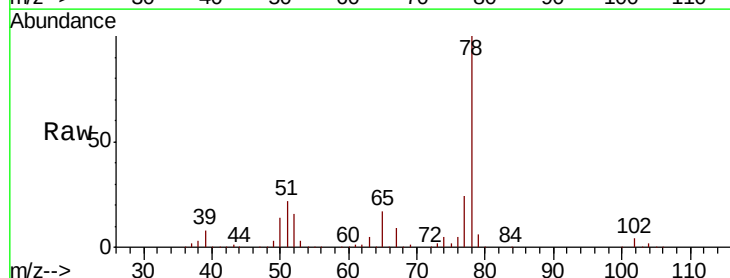


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

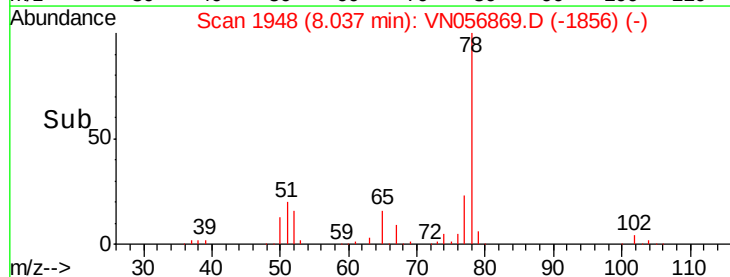
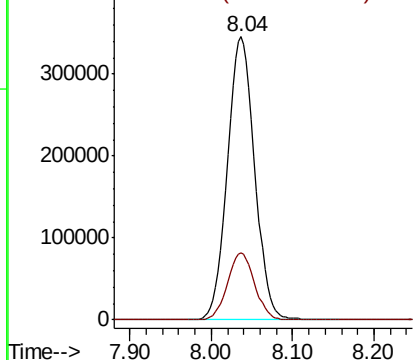


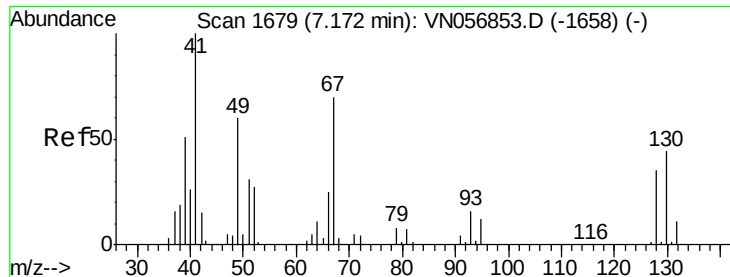
#40
Benzene
Concen: 49.984 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 78 Resp: 810740
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

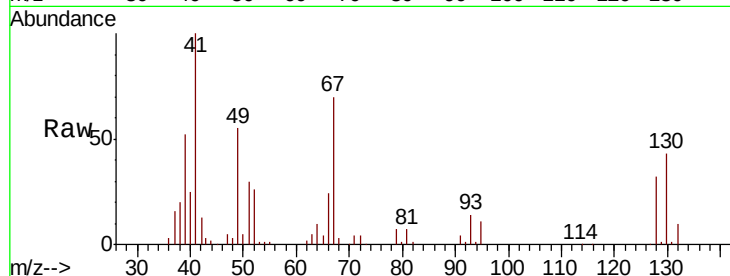




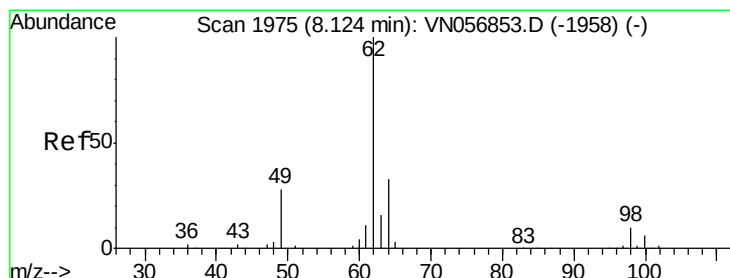
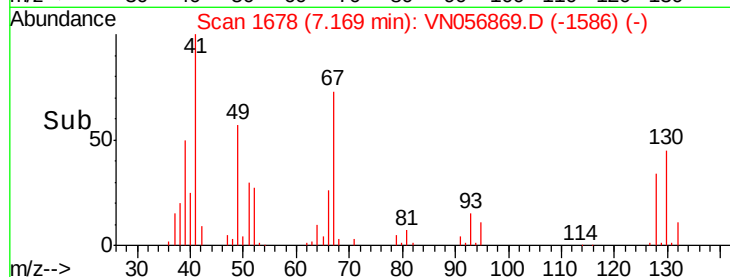
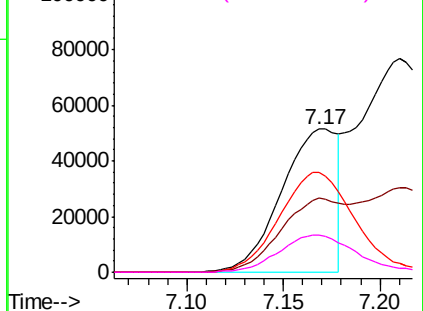
#41
Methacrylonitrile
Concen: 49.513 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 103520
Ion Ratio Lower Upper
41 100
39 56.3 44.0 66.0
67 94.3 73.5 110.3
52 36.4 28.6 43.0

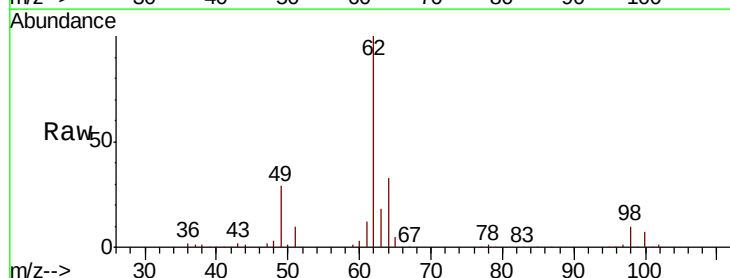


Abundance Ion 41.00 (40.70 to 41.70): VNO
120000 Ion 39.00 (38.70 to 39.70): VNO
100000 Ion 67.00 (66.70 to 67.70): VNO
80000 Ion 52.00 (51.70 to 52.70): VNO

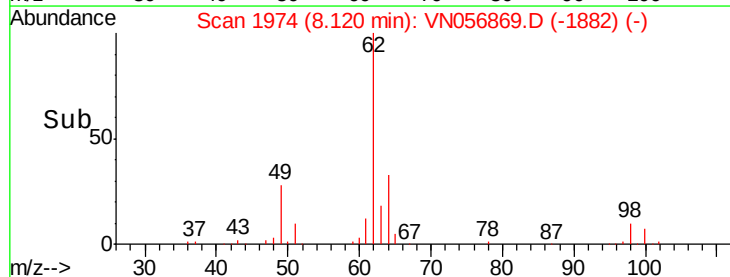
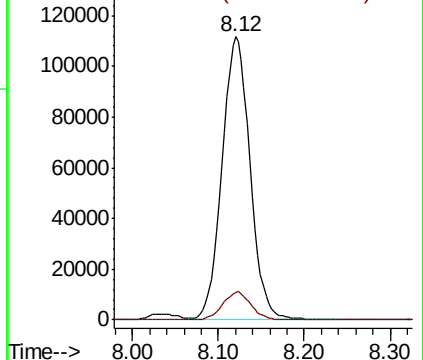


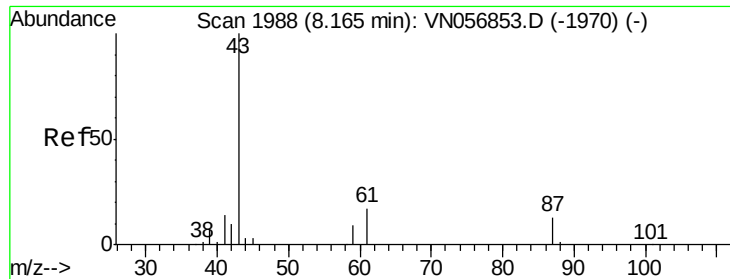
#42
1,2-Dichloroethane
Concen: 49.669 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 62 Resp: 251723
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
120000 Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.142 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

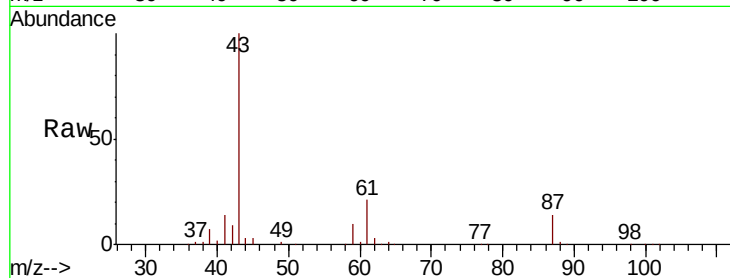
Tot Ion: 43 Resp: 370222

Ion Ratio Lower Upper

43 100

61 22.1 17.8 26.6

87 13.9 11.0 16.4

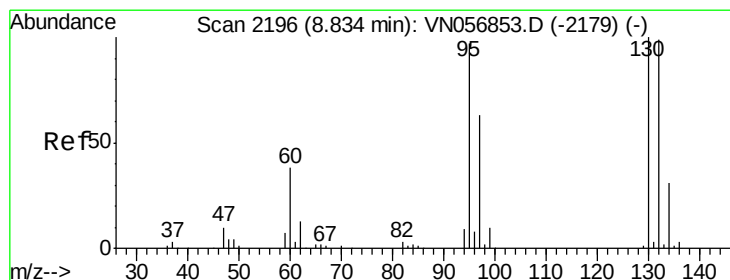
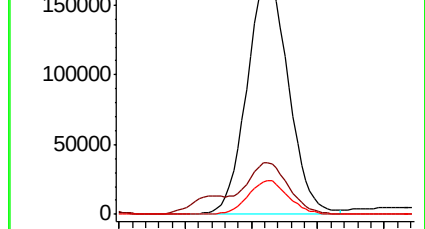
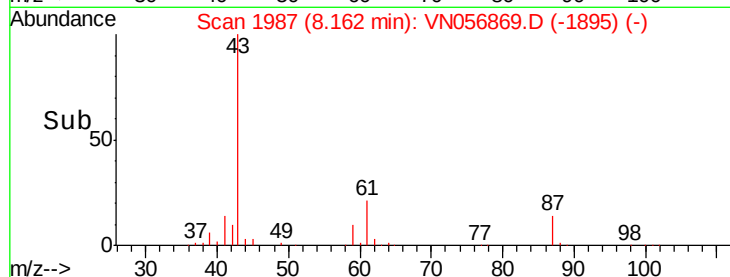


Abundance Ion 43.00 (42.70 to 43.70): VN056853.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056853.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056853.D (-1970) (-)

8.16



#44

Trichloroethene

Concen: 51.319 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056869.D

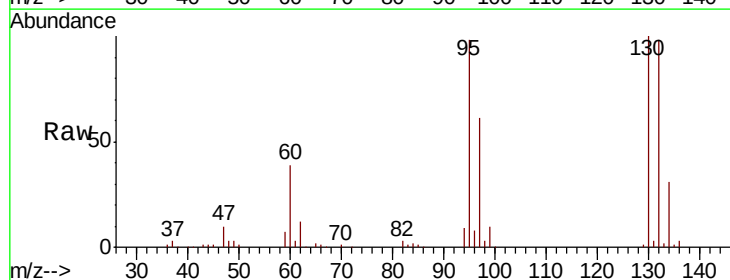
Acq: 23 Jul 2019 9:11

Tgt Ion:130 Resp: 222939

Ion Ratio Lower Upper

130 100

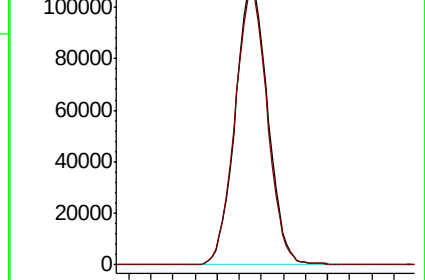
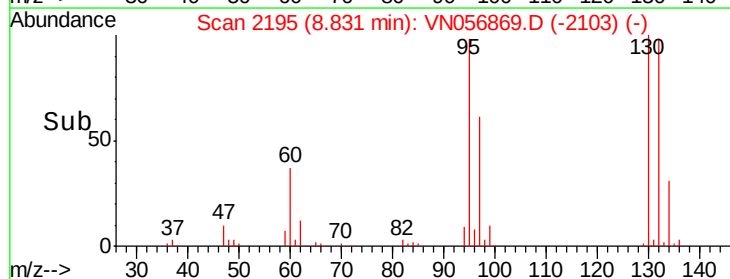
95 97.7 0.0 194.0

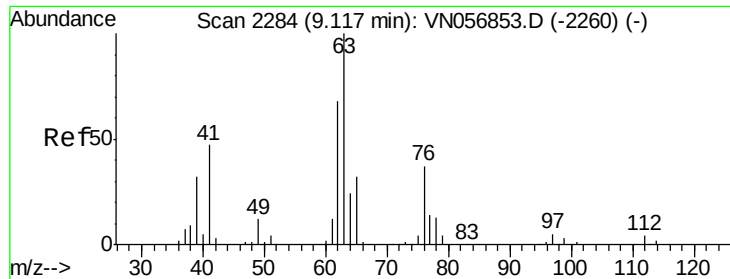


Abundance Ion 129.80 (129.50 to 130.50): VN056853.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056853.D (-2179) (-)

8.83

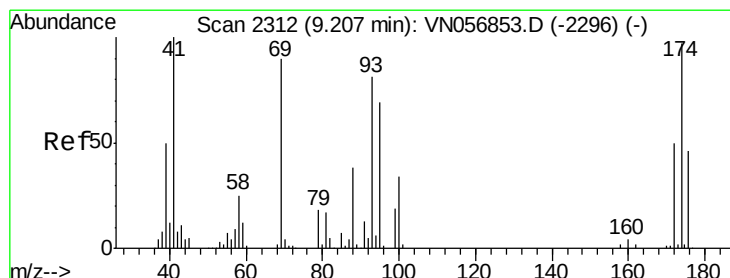
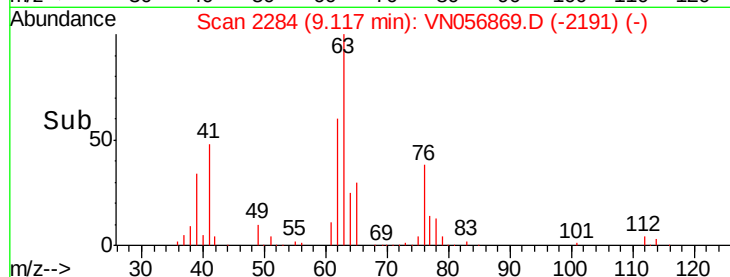
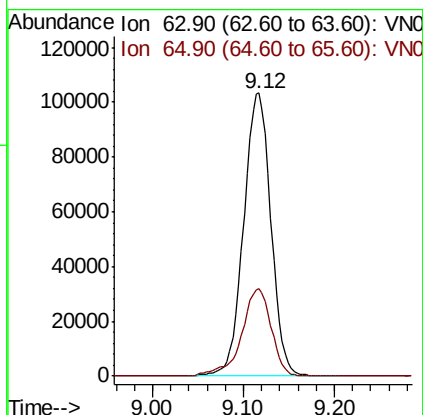
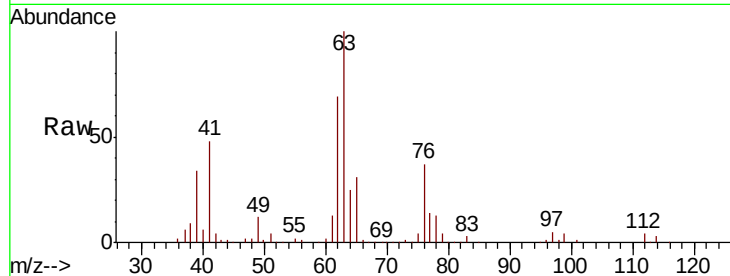




#45
 1,2-Dichloropropane
 Concen: 49.121 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

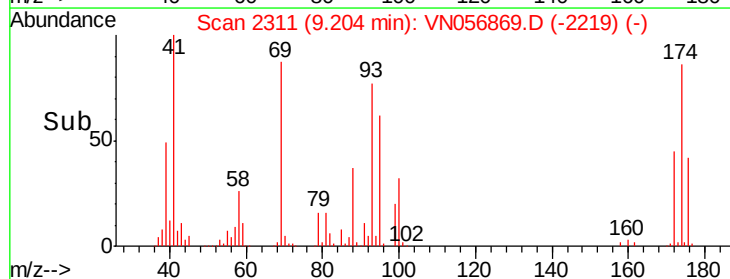
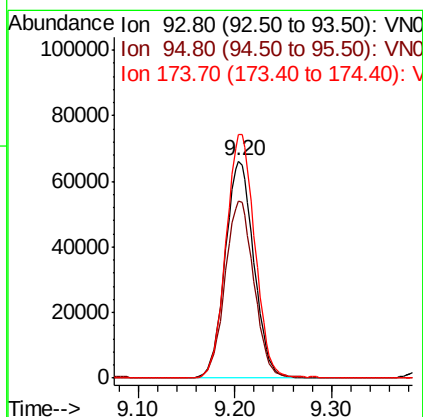
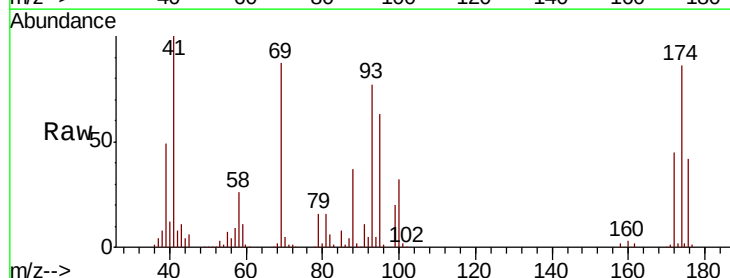
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

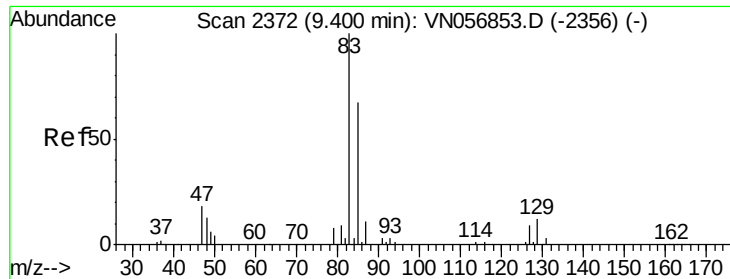
Tot Ion: 63 Resp: 214635
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.4 38.0



#46
 Dibromomethane
 Concen: 50.541 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 93 Resp: 136311
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.4 101.0
 174 112.7 92.9 139.3

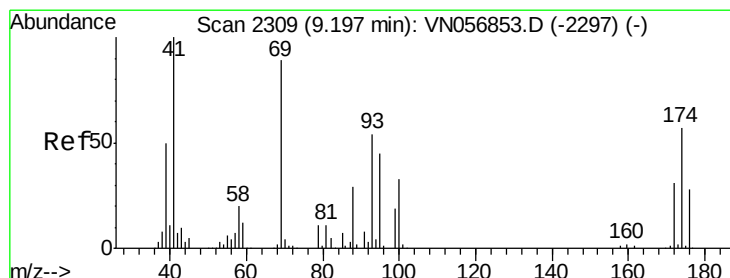
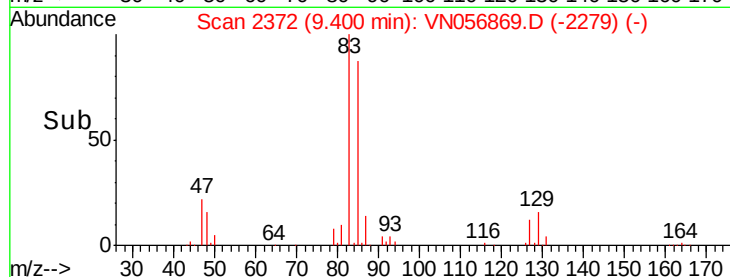
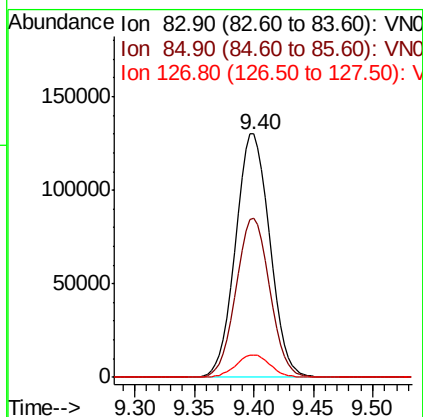
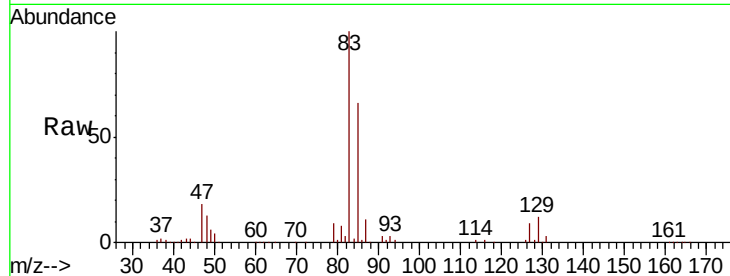




#47
Bromodichloromethane
Concen: 51.319 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

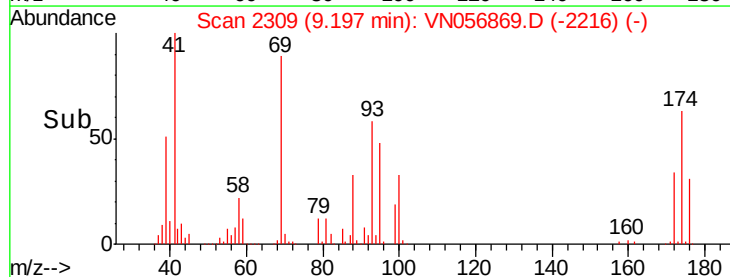
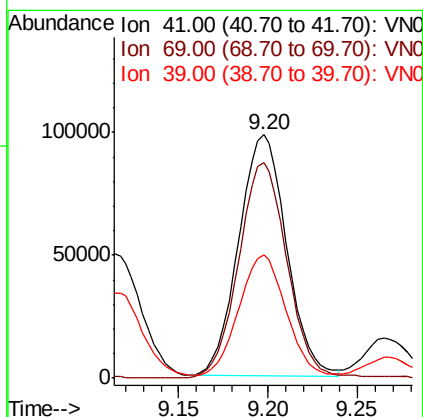
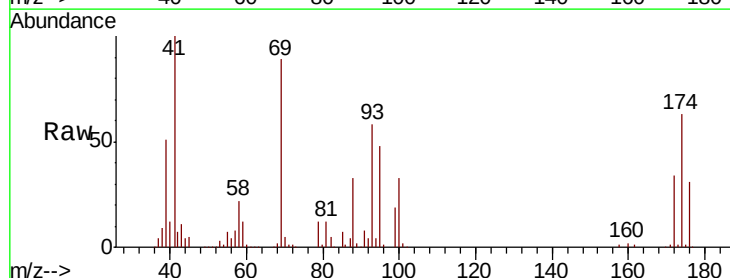
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

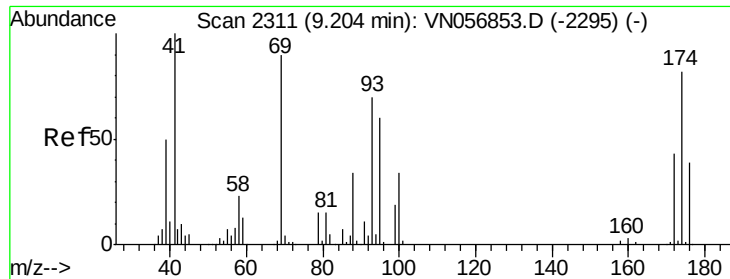
Tot Ion: 83 Resp: 260290
Ion Ratio Lower Upper
83 100
85 65.6 53.4 80.2
127 9.3 7.2 10.8



#48
Methyl methacrylate
Concen: 50.958 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 41 Resp: 184539
Ion Ratio Lower Upper
41 100
69 90.1 71.1 106.7
39 50.9 40.6 60.8





#49

1,4-Dioxane

Concen: 1095.251 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

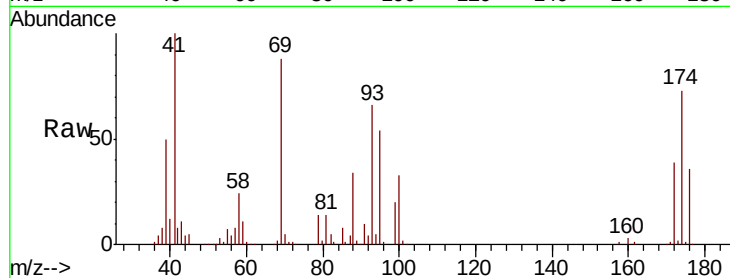
Tot Ion: 88 Resp: 77800

Ion Ratio Lower Upper

88 100

43 27.4 21.4 32.2

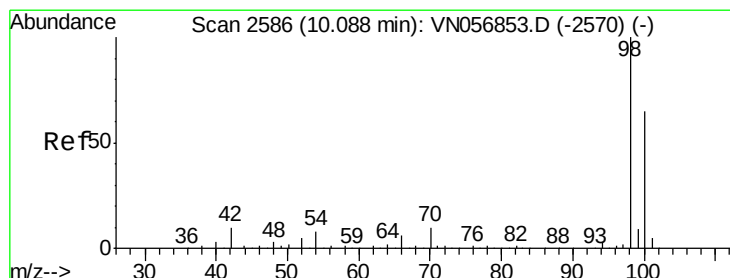
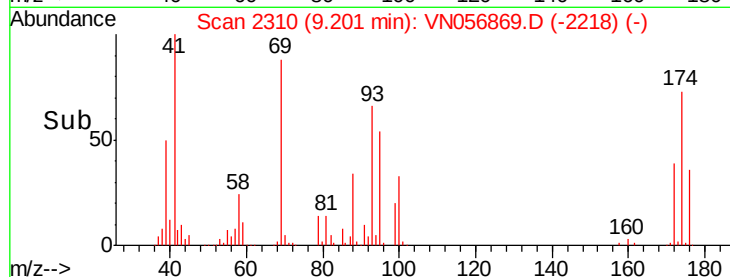
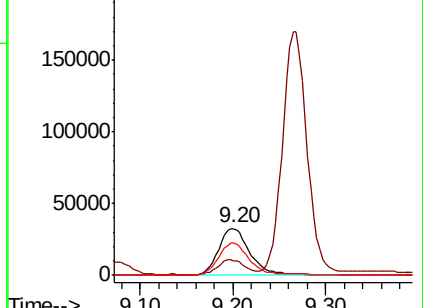
58 67.0 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.007 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056869.D

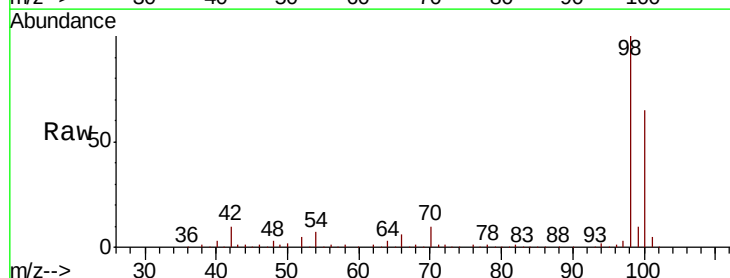
Acq: 23 Jul 2019 9:11

Tgt Ion: 98 Resp: 700358

Ion Ratio Lower Upper

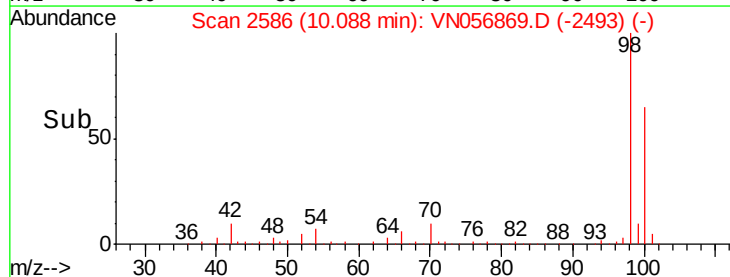
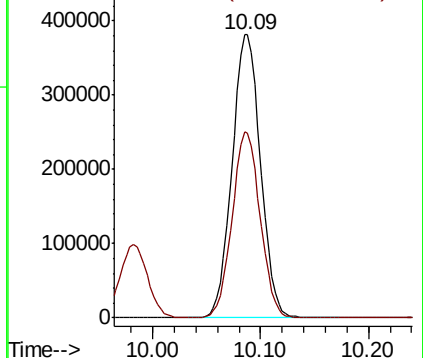
98 100

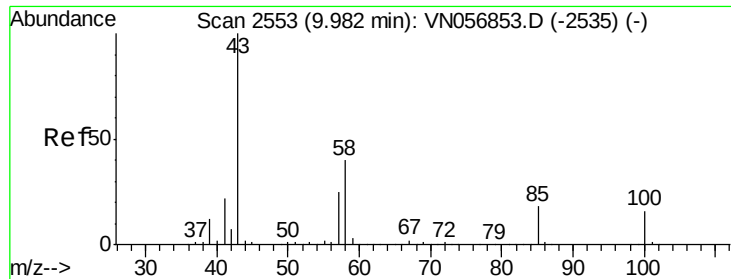
100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 266.684 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

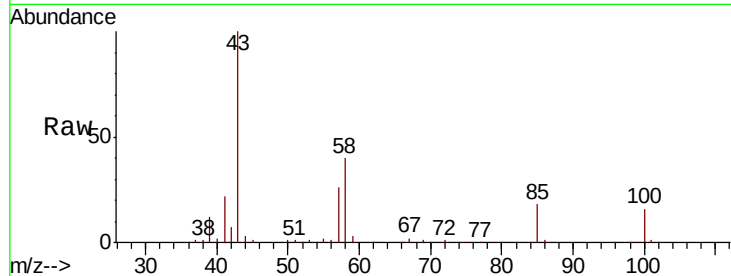
VSTDCCC050

Tot Ion: 43 Resp: 1151234

Ion Ratio Lower Upper

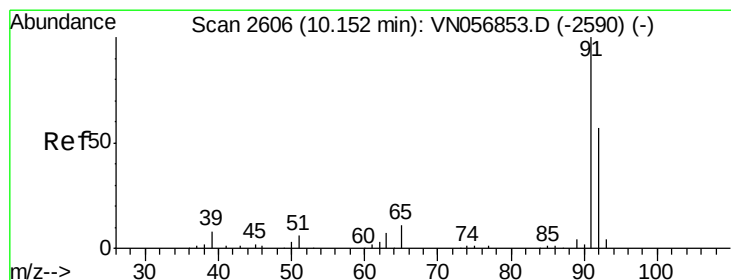
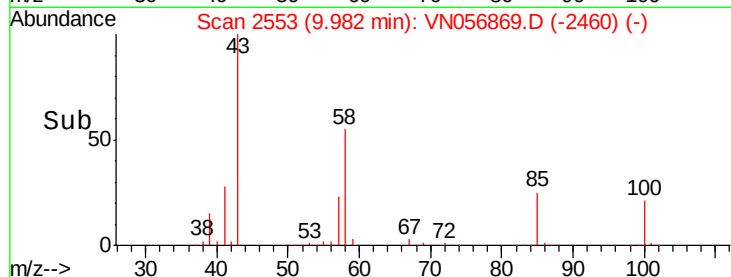
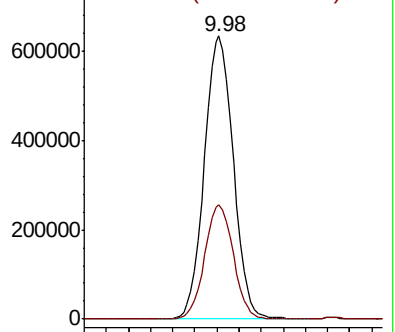
43 100

58 40.2 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.476 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056869.D

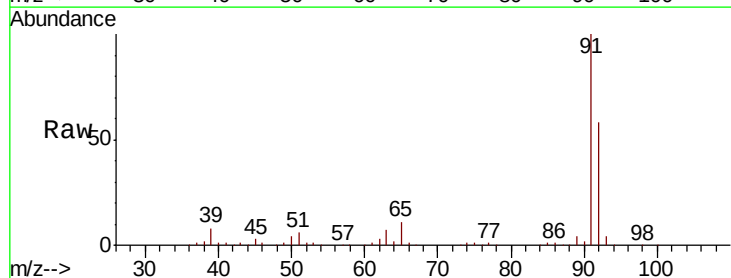
Acq: 23 Jul 2019 9:11

Tgt Ion: 92 Resp: 502434

Ion Ratio Lower Upper

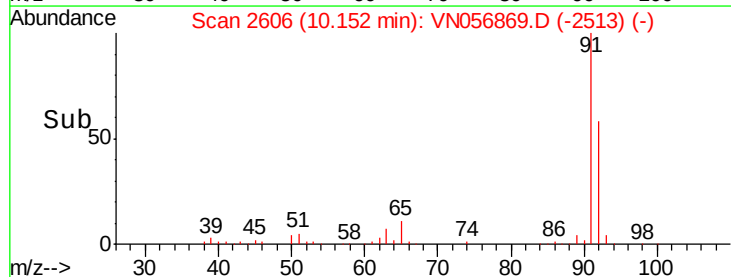
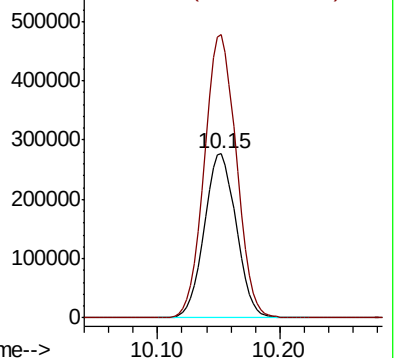
92 100

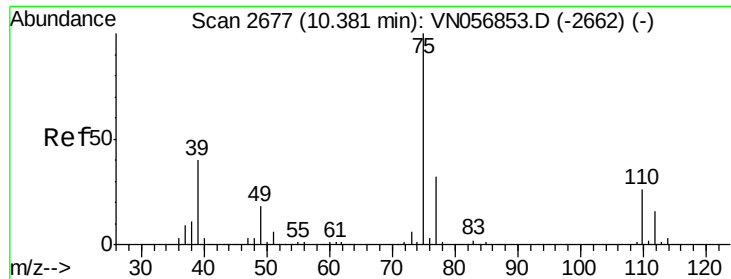
91 173.1 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.622 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

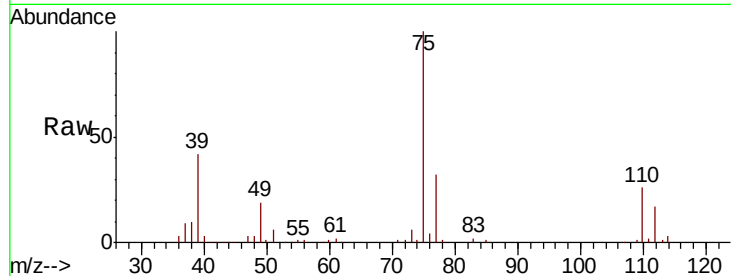
VSTDCCC050

Tot Ion: 75 Resp: 279132

Ion Ratio Lower Upper

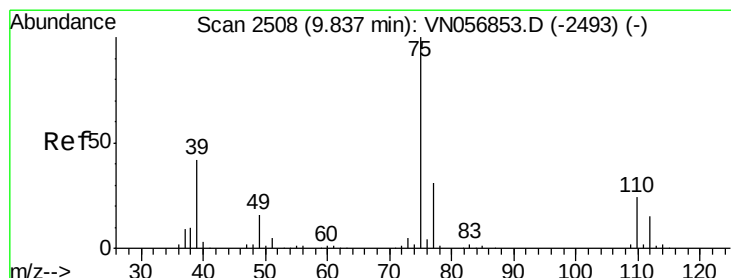
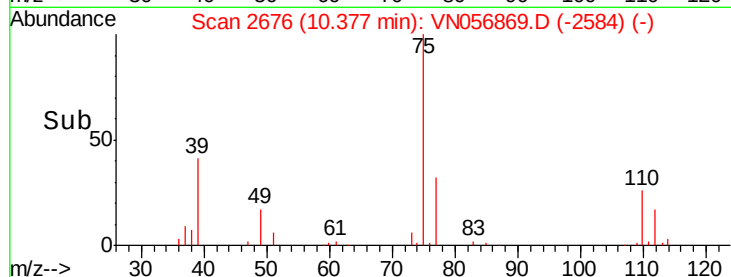
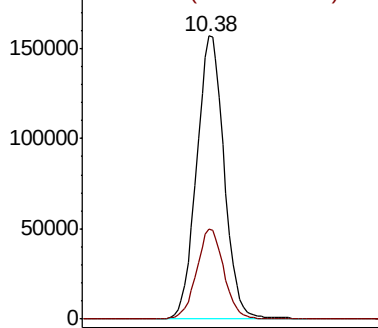
75 100

77 31.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.602 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

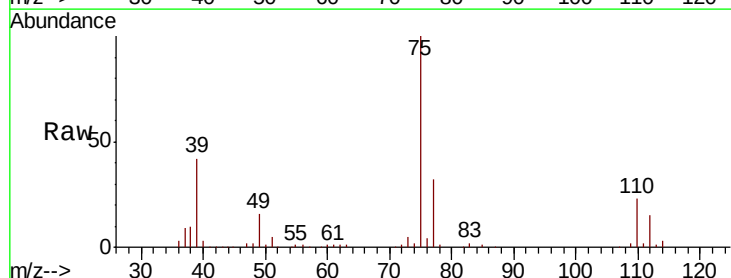
Tgt Ion: 75 Resp: 322820

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

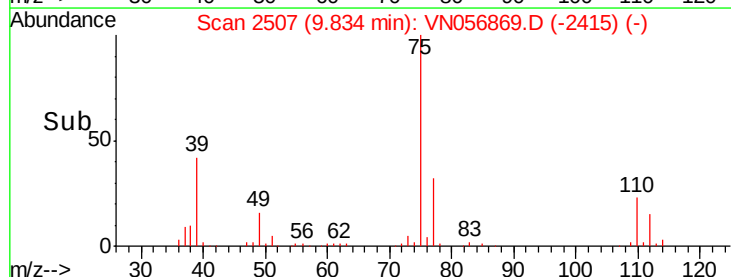
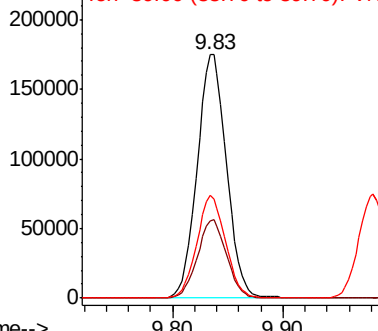
39 42.1 33.4 50.2

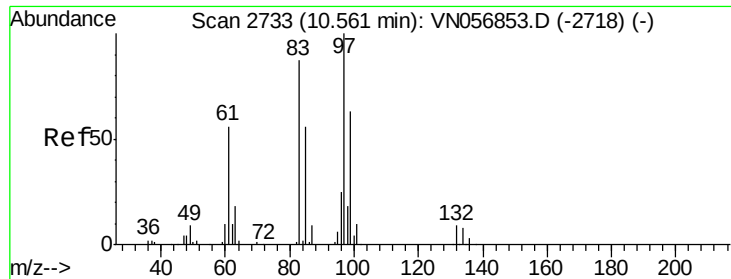


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

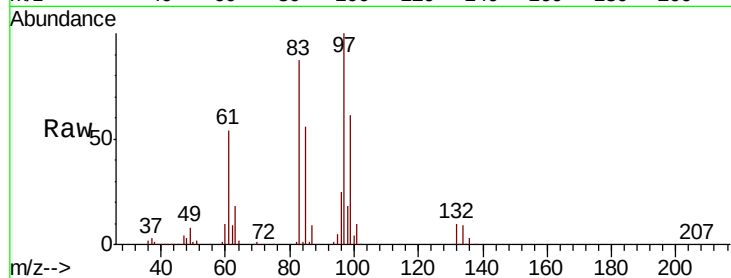




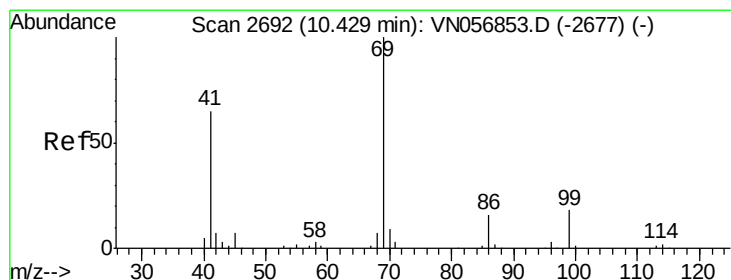
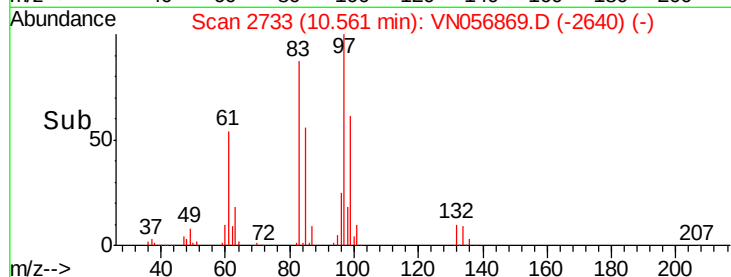
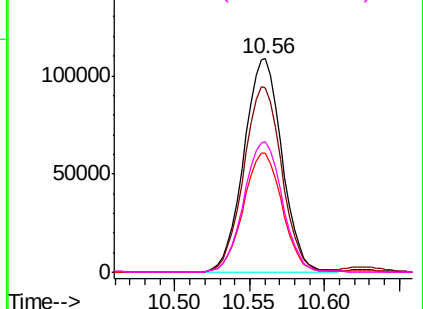
#55
 1,1,2-Trichloroethane
 Concen: 49.755 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 192754
 Ion Ratio Lower Upper
 97 100
 83 86.5 70.0 105.0
 85 55.6 45.1 67.7
 99 60.9 50.2 75.4

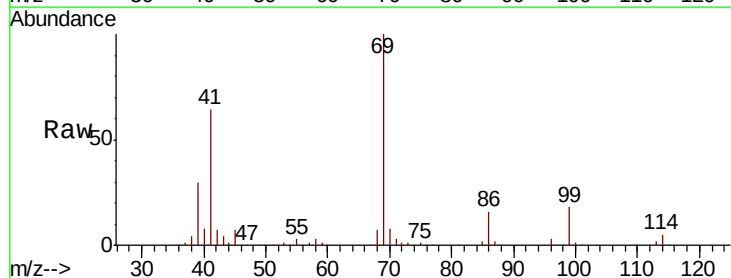


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

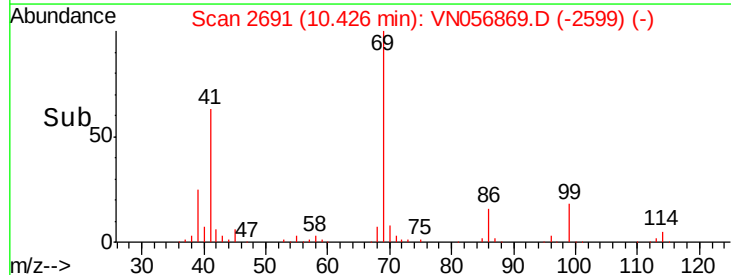
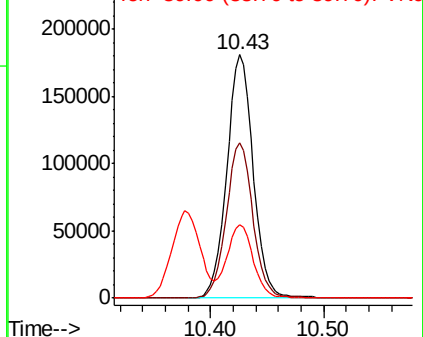


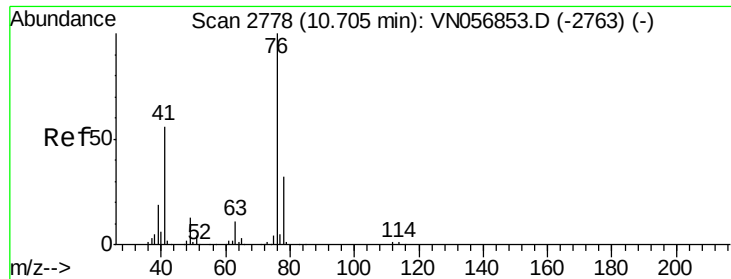
#56
 Ethyl methacrylate
 Concen: 54.607 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 69 Resp: 293669
 Ion Ratio Lower Upper
 69 100
 41 63.4 51.0 76.6
 39 30.2 24.5 36.7



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

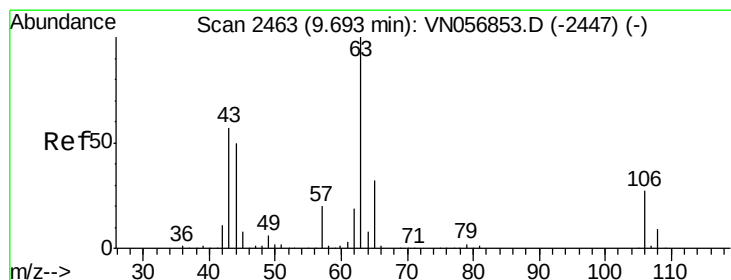
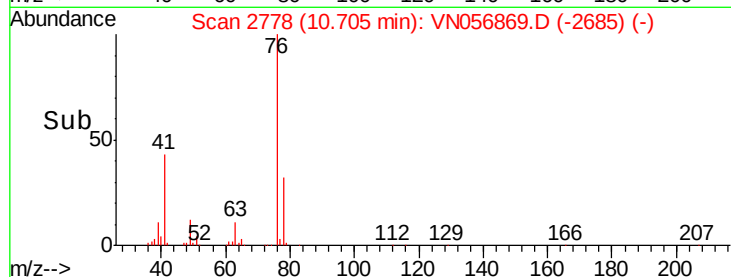
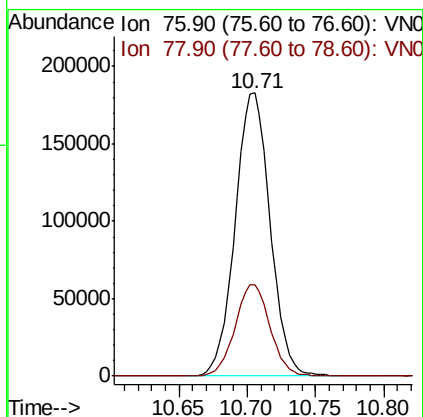
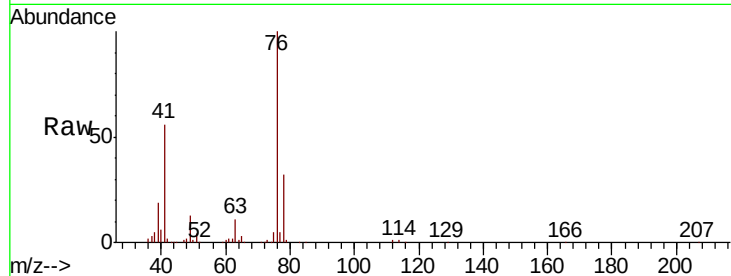




#57
 1,3-Dichloropropane
 Concen: 50.848 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

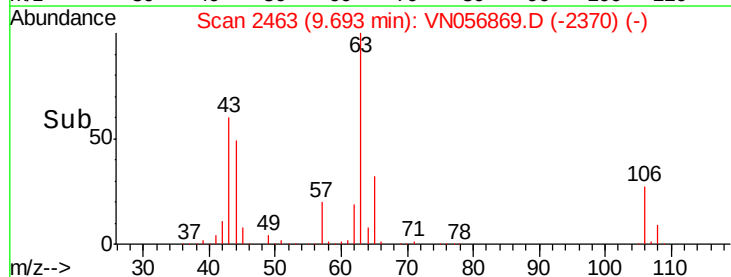
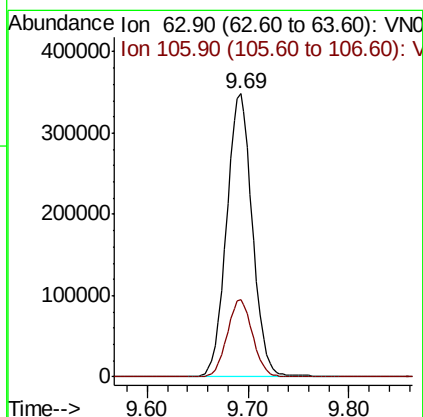
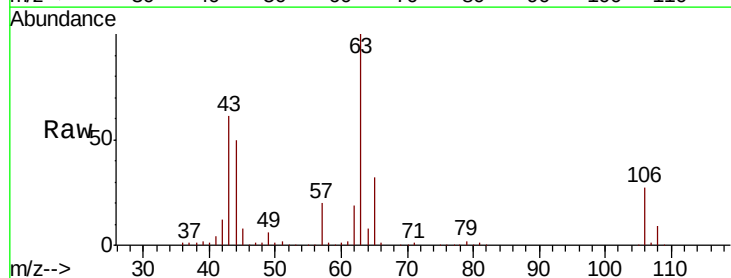
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

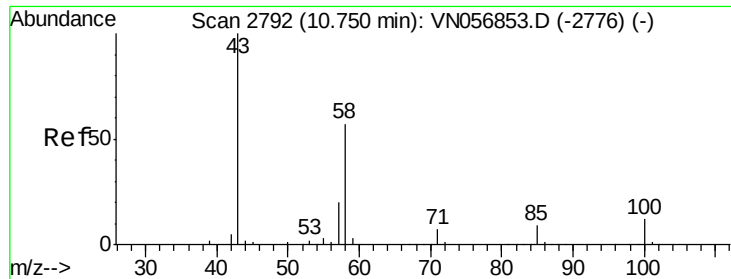
Tot Ion: 76 Resp: 326065
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.910 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 63 Resp: 622436
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.8 32.8

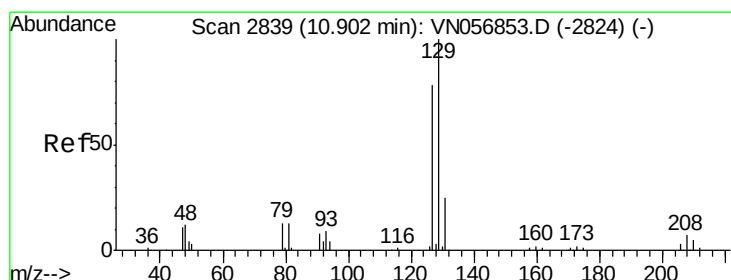
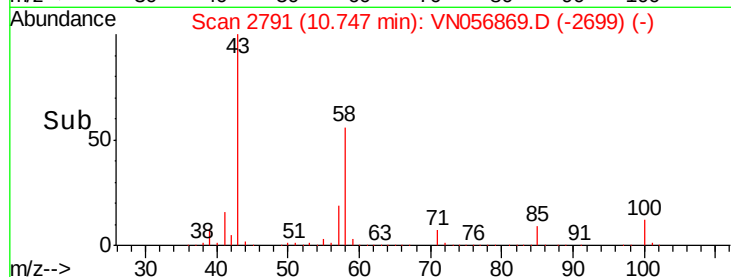
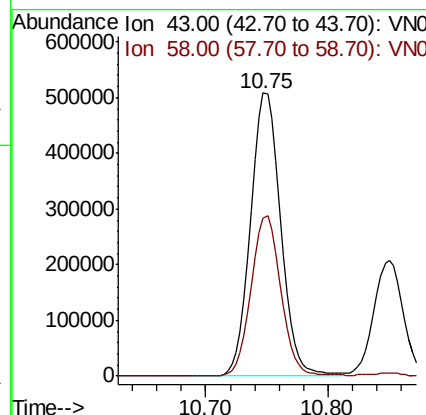
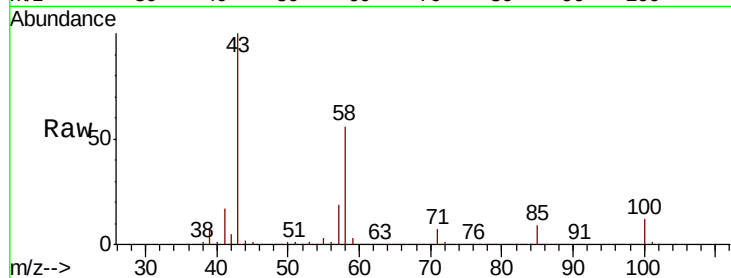




#59
2-Hexanone
Concen: 288.521 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

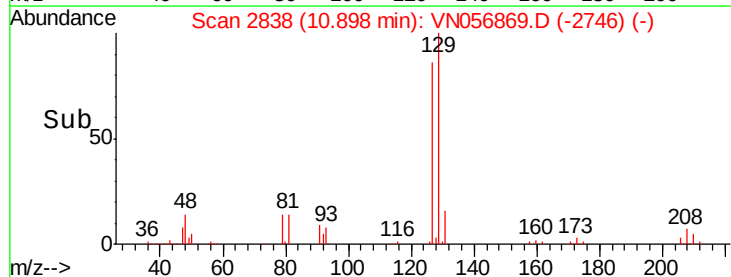
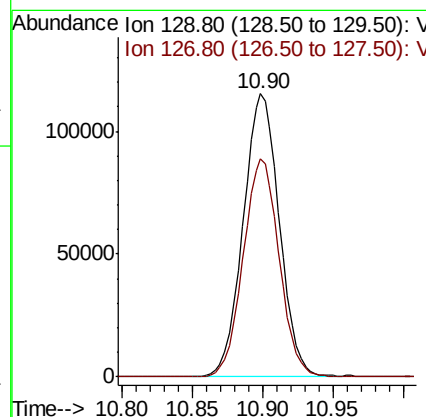
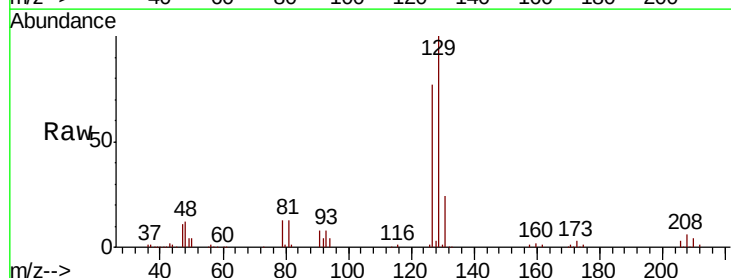
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

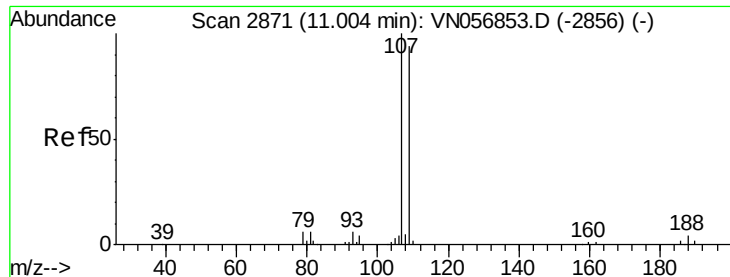
Tot Ion: 43 Resp: 862124
Ion Ratio Lower Upper
43 100
58 56.1 28.3 85.0



#60
Dibromochloromethane
Concen: 53.278 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 129 Resp: 207112
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.413 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

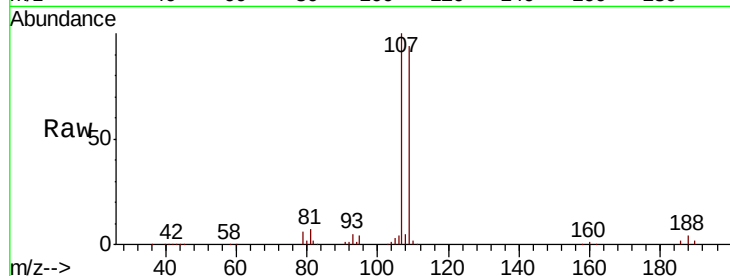
VSTDCCC050

Tot Ion: 107 Resp: 201658

Ion Ratio Lower Upper

107 100

109 93.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

120000

100000

80000

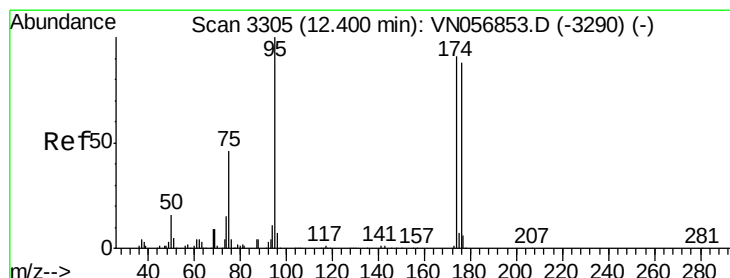
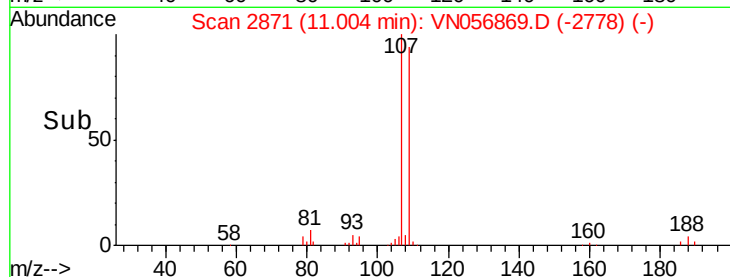
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.955 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

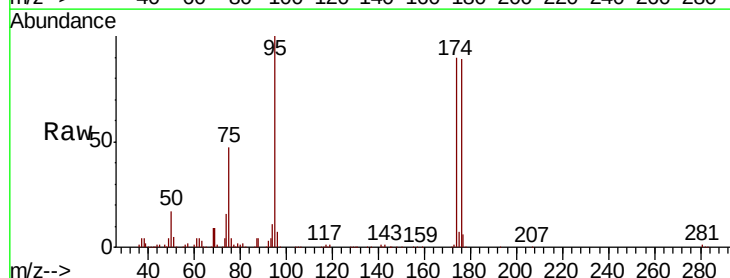
Tgt Ion: 95 Resp: 237949

Ion Ratio Lower Upper

95 100

174 91.6 0.0 183.4

176 90.1 0.0 175.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

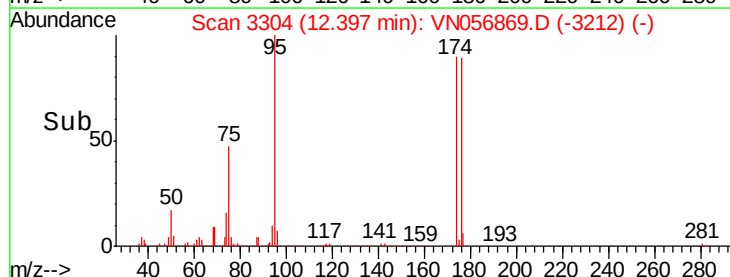
150000

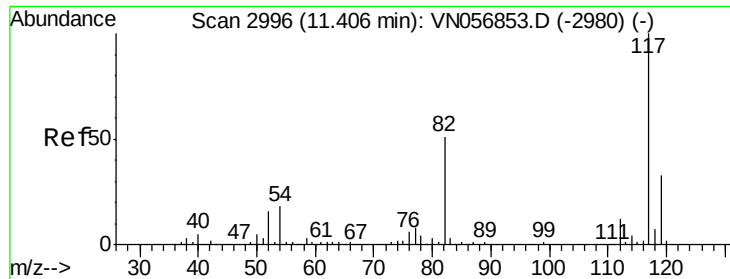
100000

50000

0

Time--> 12.30 12.35 12.40 12.45

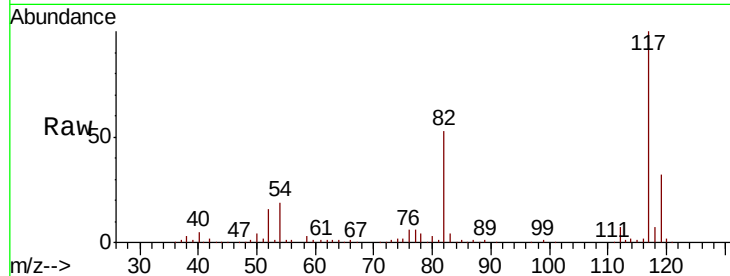




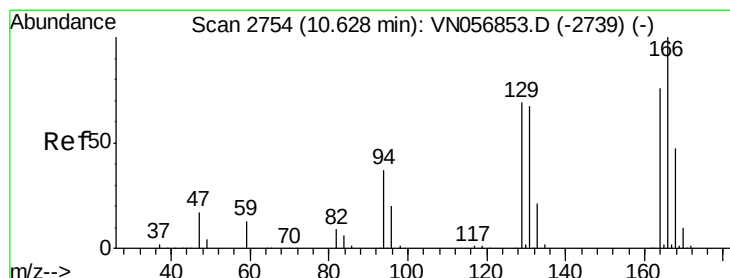
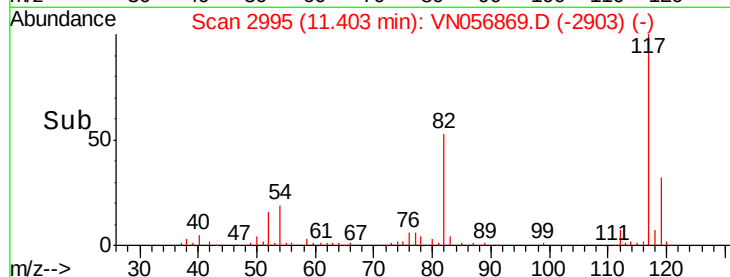
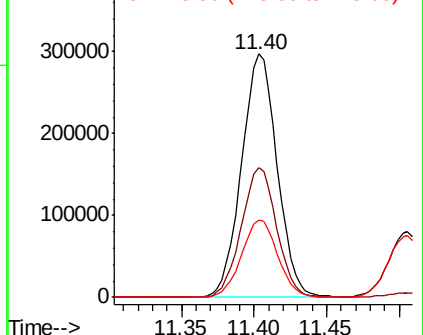
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 509489
Ion Ratio Lower Upper
117 100
82 53.5 41.2 61.8
119 31.7 26.4 39.6

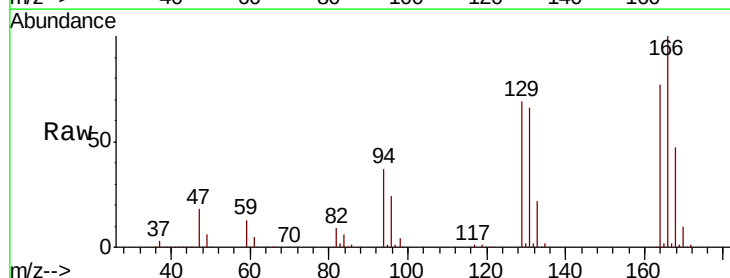


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

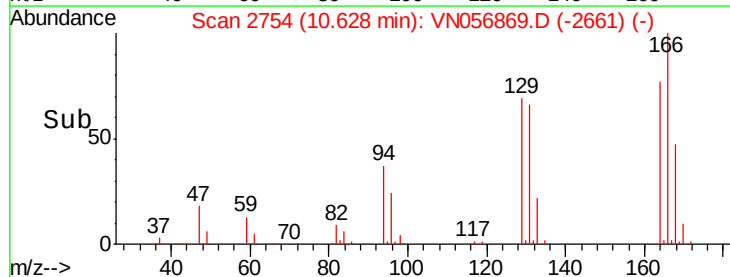
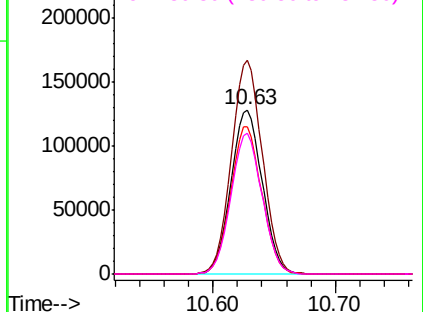


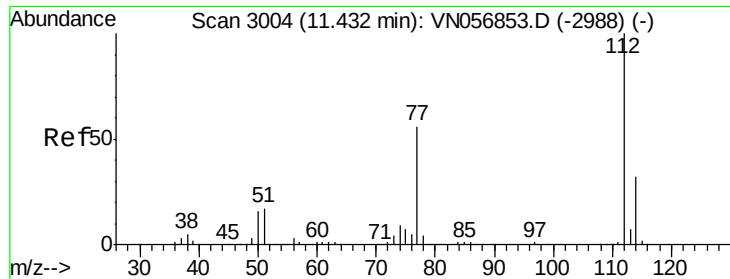
#64
Tetrachloroethene
Concen: 52.180 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion:164 Resp: 228072
Ion Ratio Lower Upper
164 100
166 130.0 104.9 157.3
129 90.0 72.8 109.2
131 85.4 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

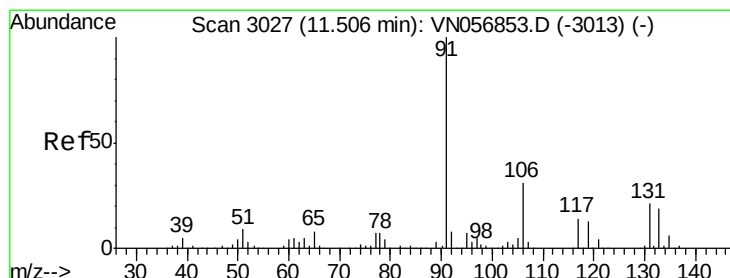
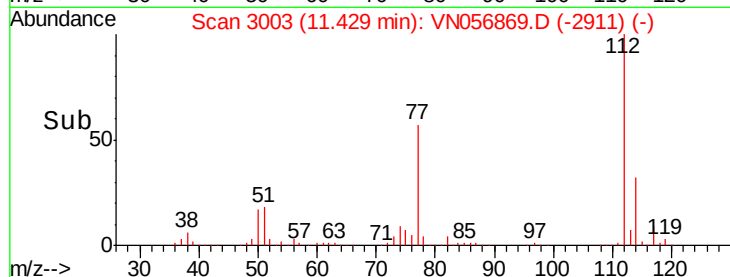
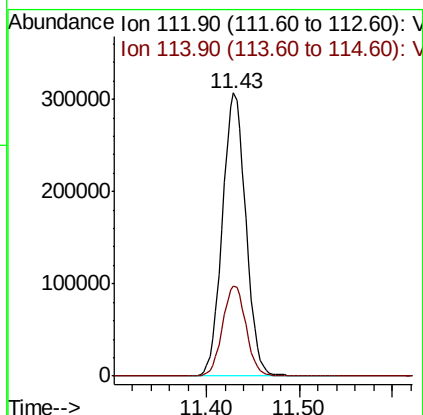
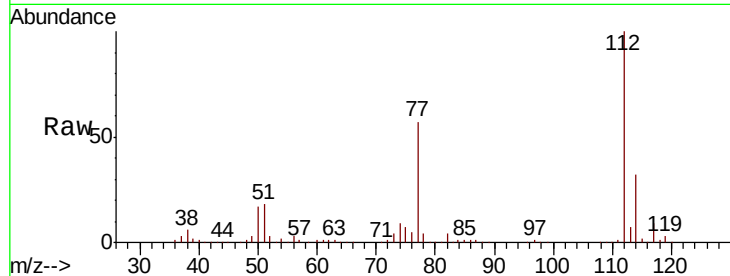




#65
Chlorobenzene
Concen: 50.793 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

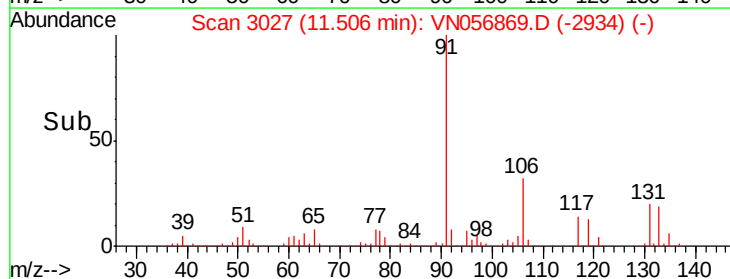
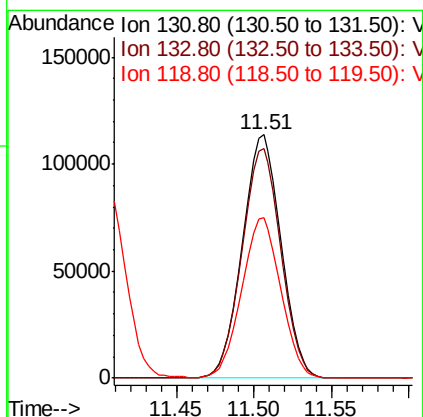
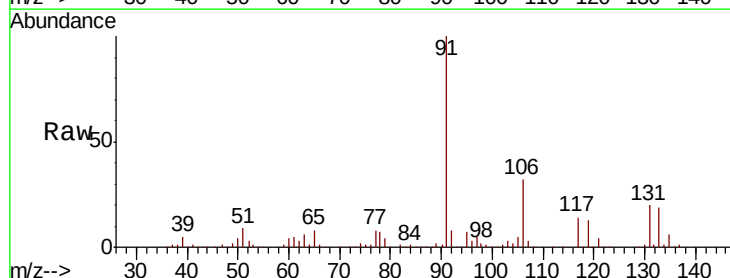
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

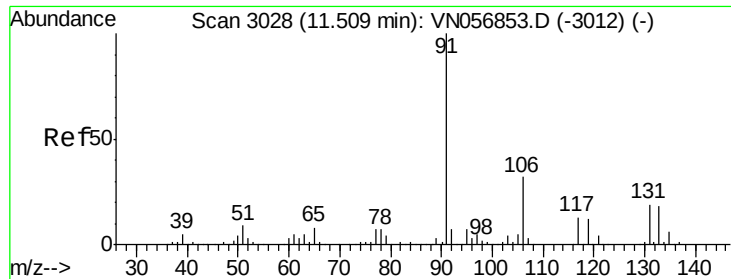
Tot Ion:112 Resp: 537780
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.619 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion:131 Resp: 198059
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.3
119 66.5 33.1 99.5

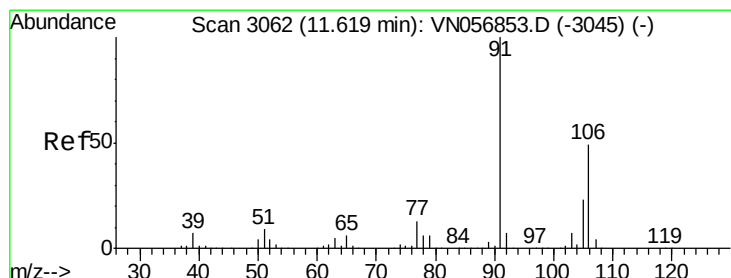
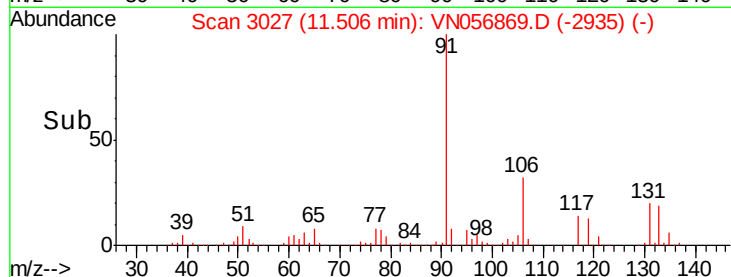
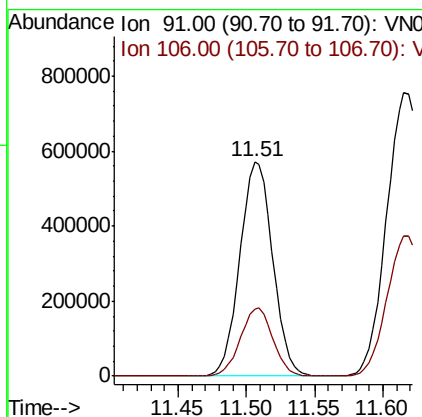
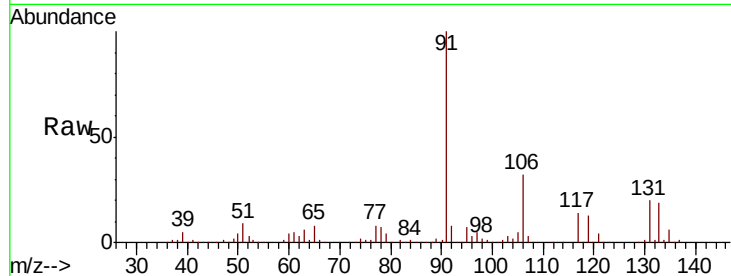




#67
Ethyl Benzene
Concen: 52.284 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

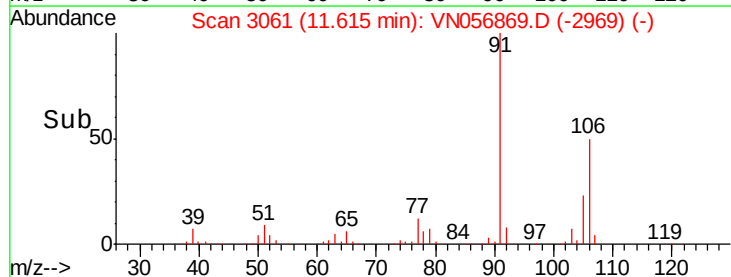
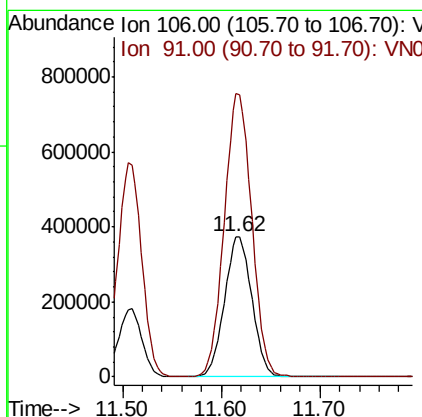
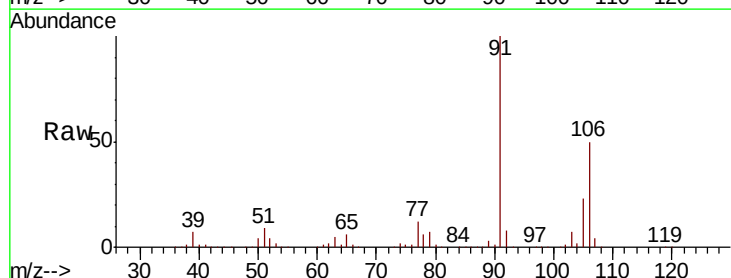
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

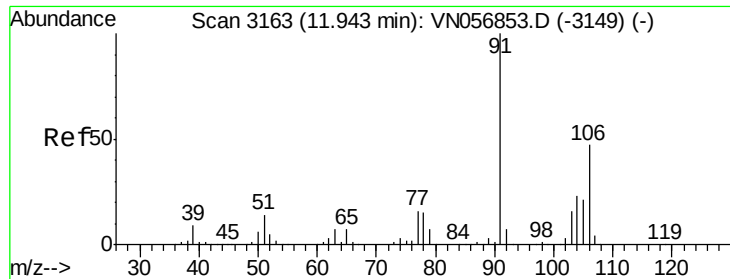
Tot Ion: 91 Resp: 955639
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9



#68
m/p-Xylenes
Concen: 106.272 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 106 Resp: 727183
Ion Ratio Lower Upper
106 100
91 202.7 160.5 240.7

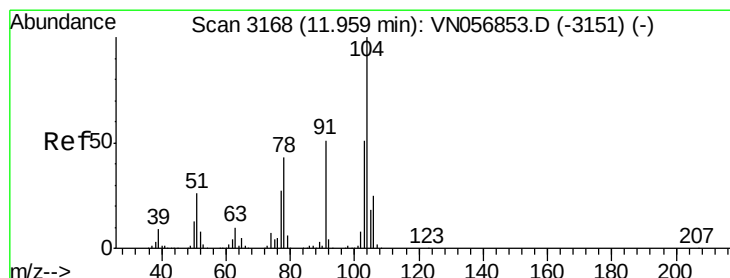
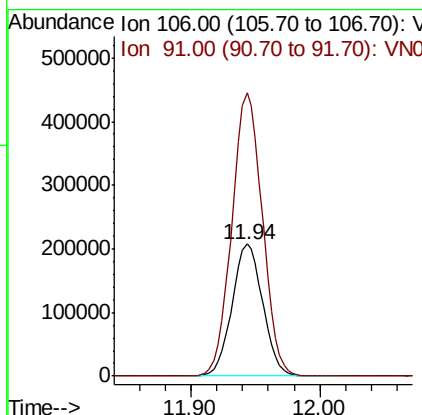
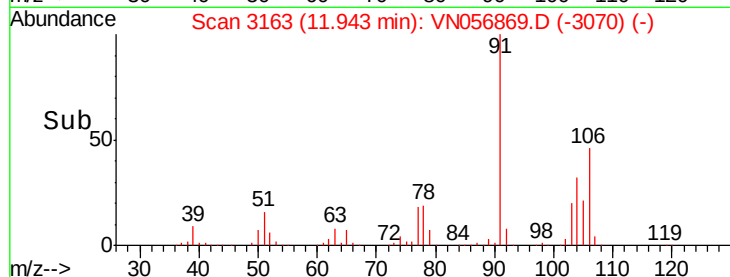
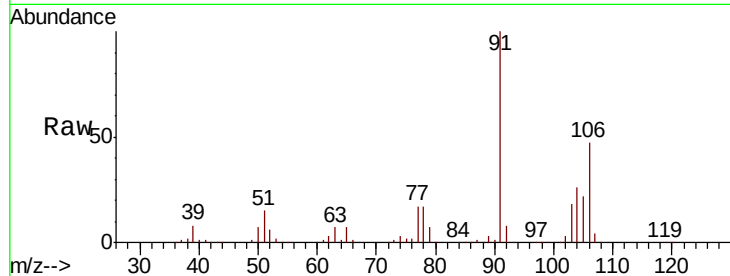




#69
o-Xylene
Concen: 51.447 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

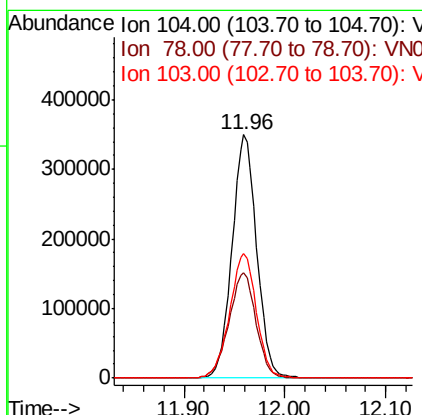
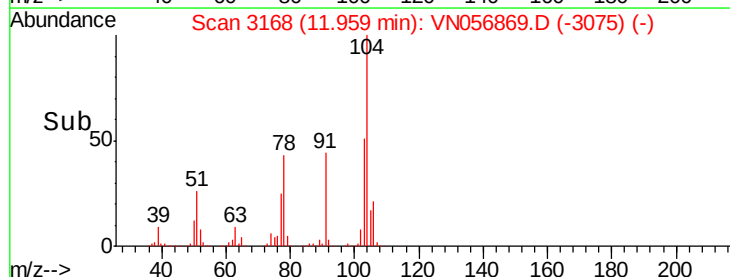
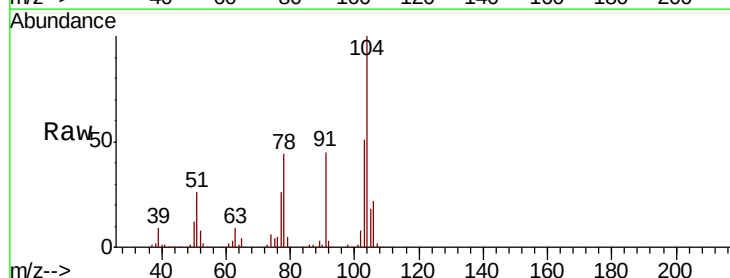
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

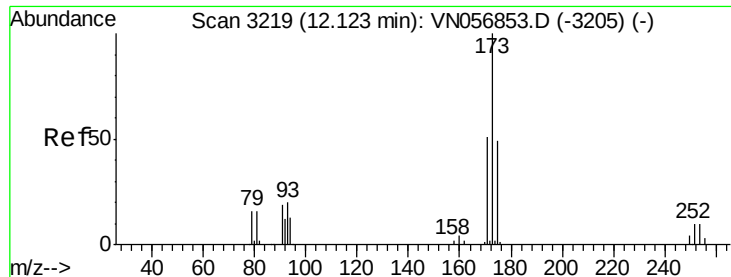
Tot Ion:106 Resp: 343661
Ion Ratio Lower Upper
106 100
91 213.1 105.1 315.3



#70
Styrene
Concen: 50.739 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion:104 Resp: 594838
Ion Ratio Lower Upper
104 100
78 47.8 38.1 57.1
103 55.6 44.2 66.4





#71

Bromoform

Concen: 52.557 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

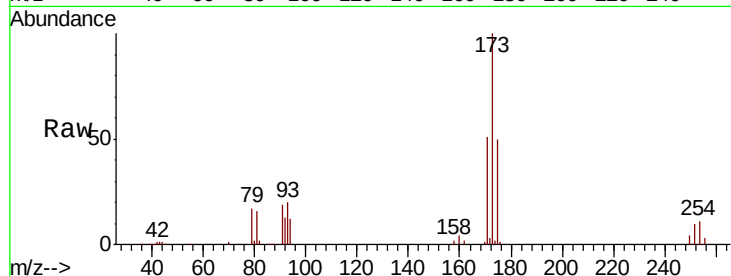
Tot Ion:173 Resp: 145377

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.3

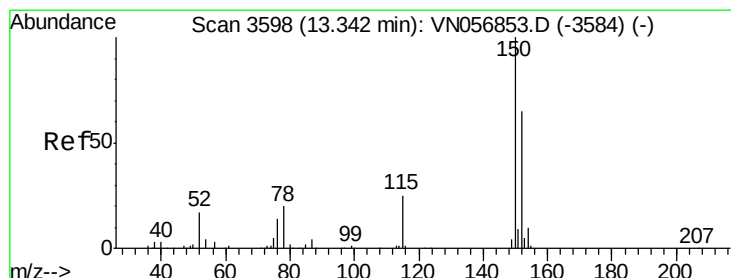
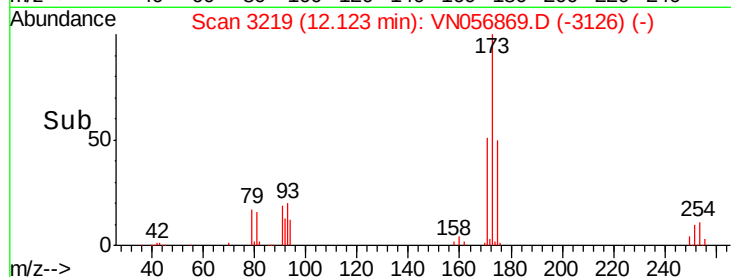
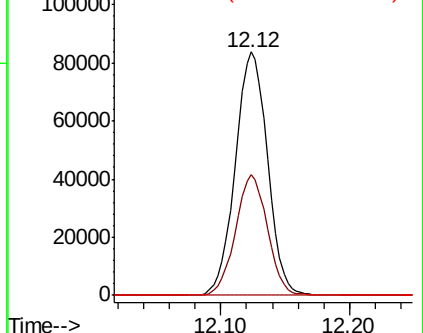
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

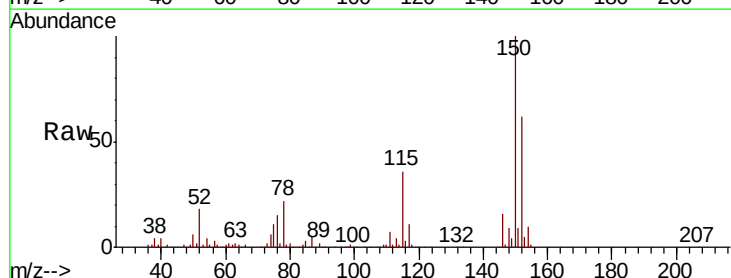
Tgt Ion:152 Resp: 240852

Ion Ratio Lower Upper

152 100

115 55.9 27.6 82.7

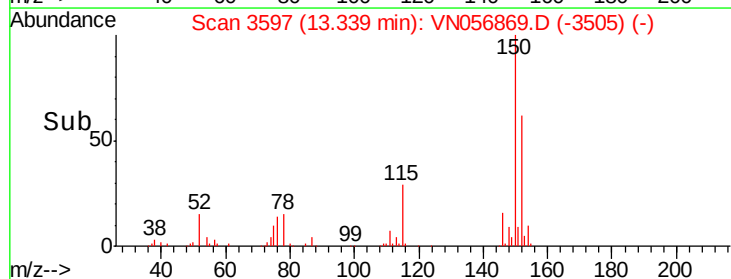
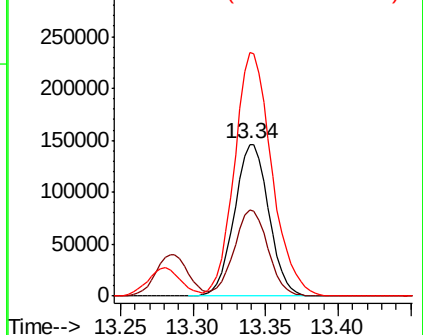
150 174.2 0.0 343.0

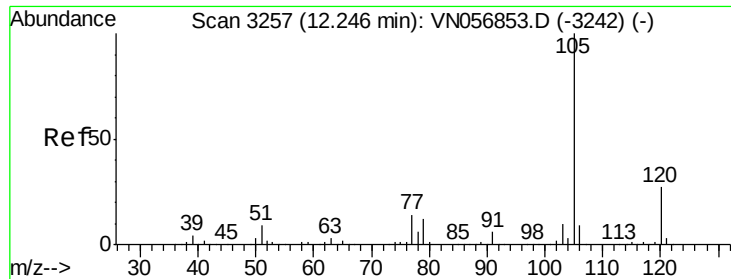


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.156 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

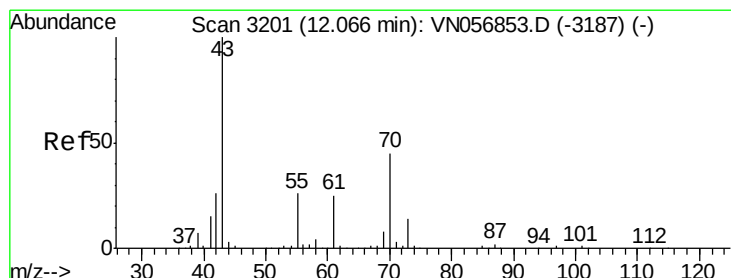
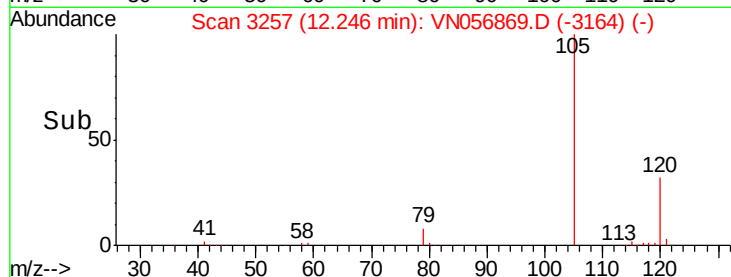
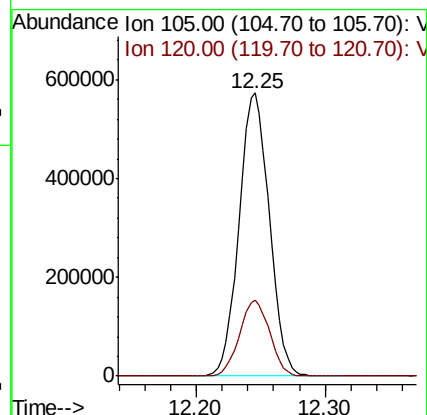
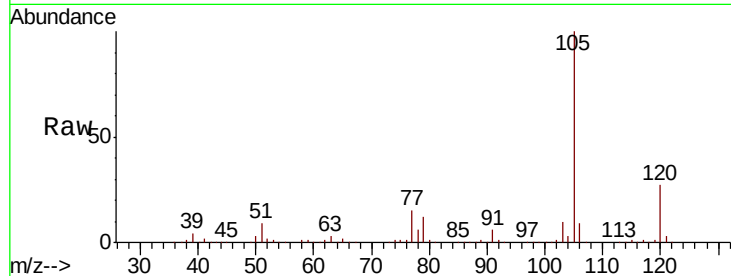
VSTDCCC050

Tot Ion:105 Resp: 933800

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 46.143 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion: 43 Resp: 326312

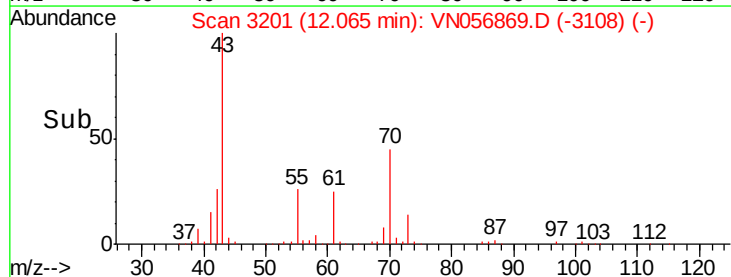
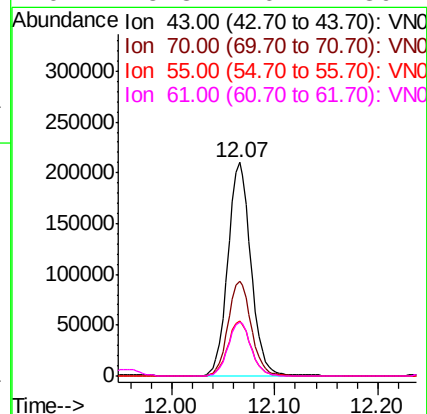
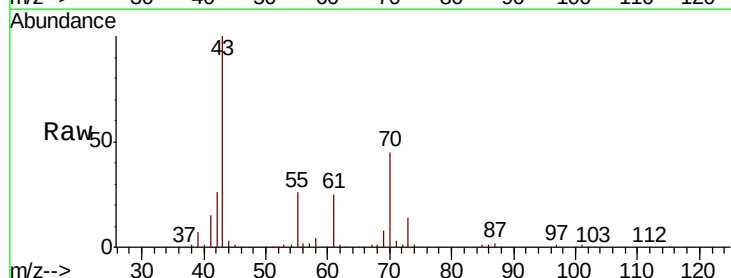
Ion Ratio Lower Upper

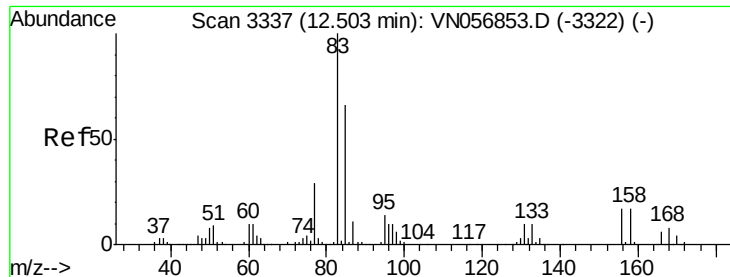
43 100

70 44.9 35.3 52.9

55 26.1 20.6 31.0

61 25.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.156 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

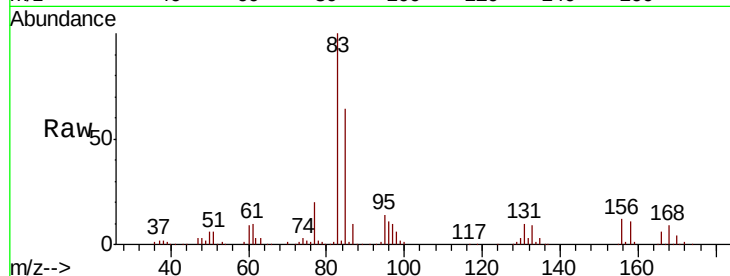
Tot Ion: 83 Resp: 261971

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.4

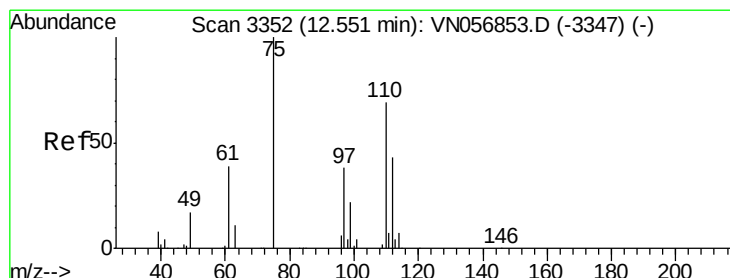
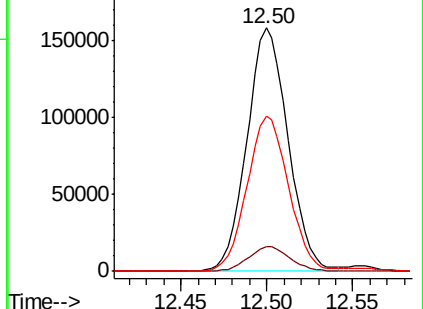
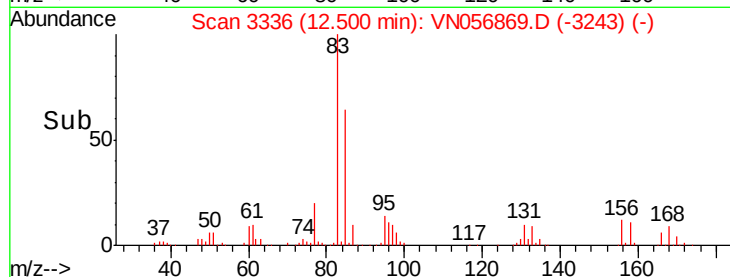
85 64.3 32.8 98.3



Abundance Ion 82.90 (82.60 to 83.60): VN056869.D (-3336) (-)

Ion 130.80 (130.50 to 131.50): VN056869.D (-3336) (-)

Ion 84.90 (84.60 to 85.60): VN056869.D (-3336) (-)



#76

1,2,3-Trichloropropane

Concen: 64.405 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056869.D

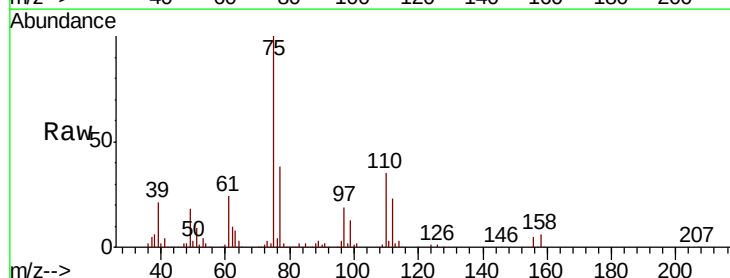
Acq: 23 Jul 2019 9:11

Tgt Ion: 75 Resp: 321480

Ion Ratio Lower Upper

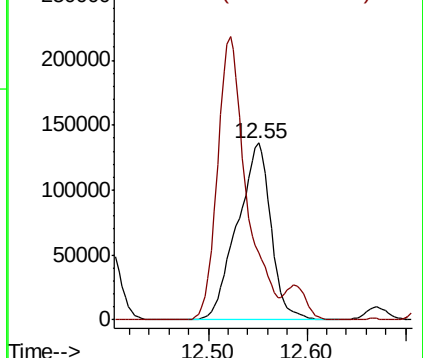
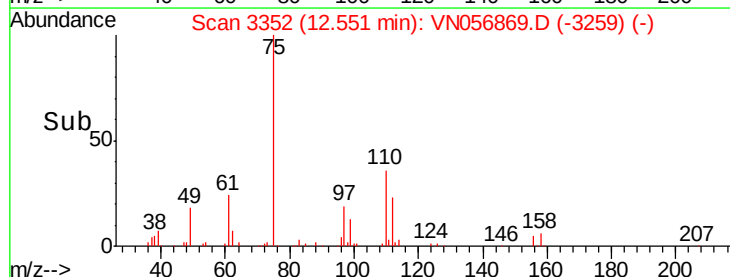
75 100

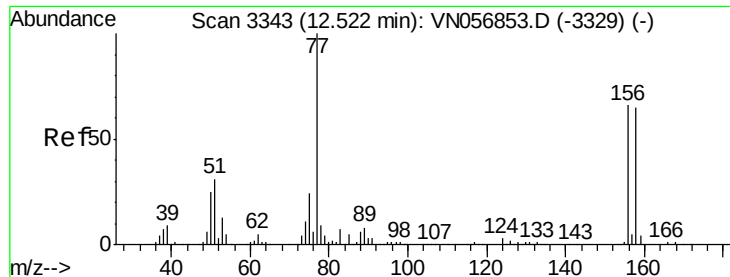
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056869.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN056869.D (-3352) (-)





#77

Bromobenzene

Concen: 46.612 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

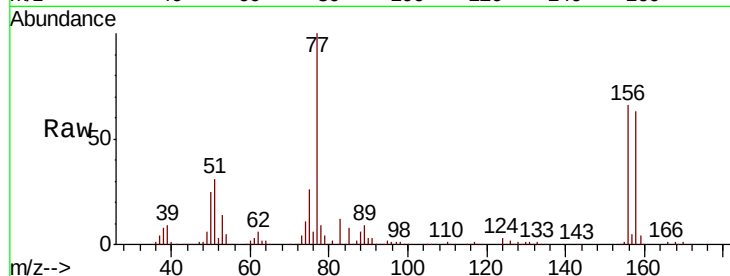
Tot Ion:156 Resp: 244879

Ion Ratio Lower Upper

156 100

77 183.8 90.7 272.1

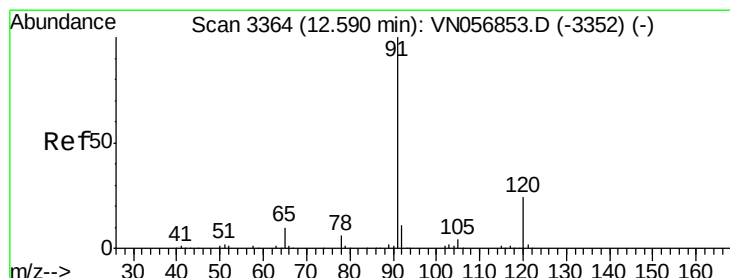
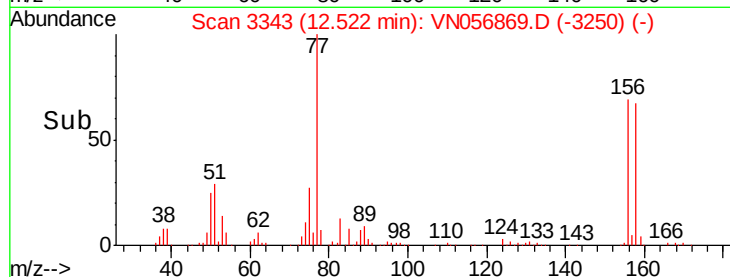
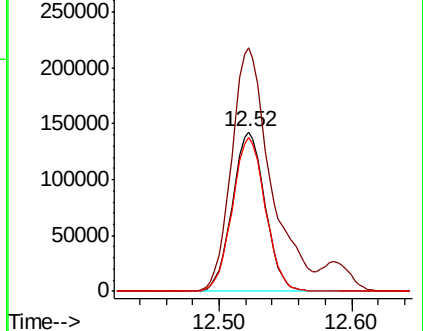
158 97.2 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.416 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056869.D

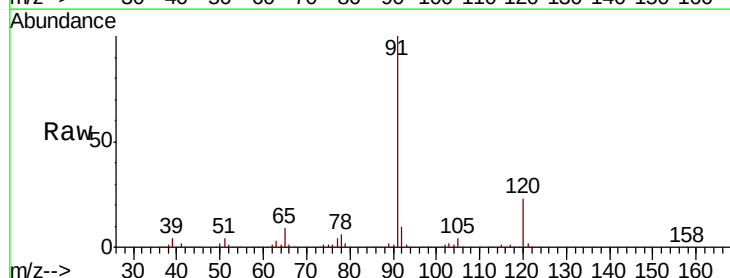
Acq: 23 Jul 2019 9:11

Tgt Ion: 91 Resp: 1093993

Ion Ratio Lower Upper

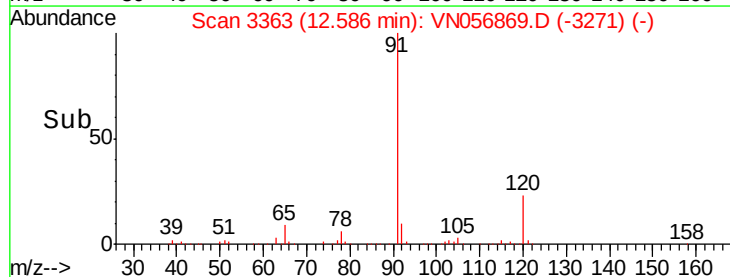
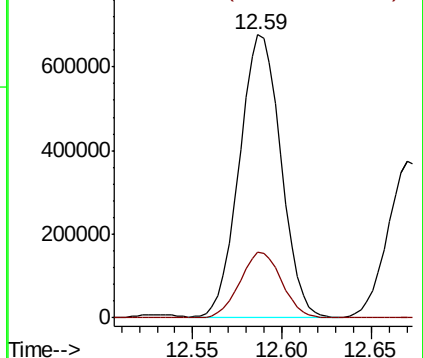
91 100

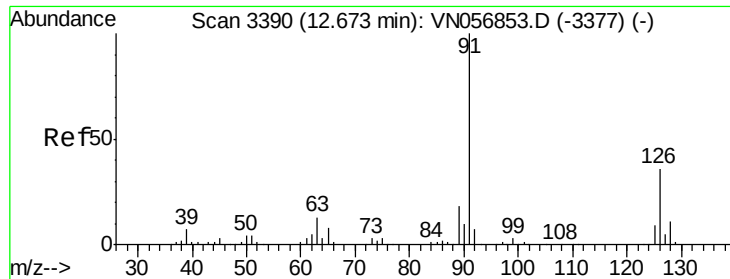
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

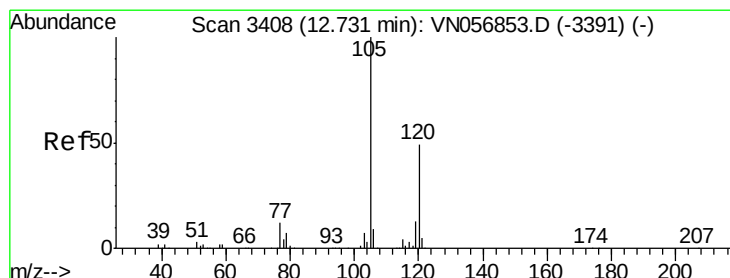
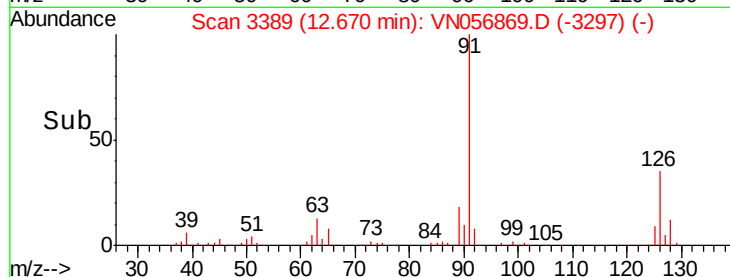
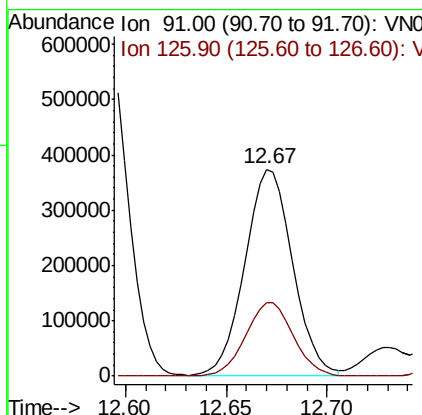
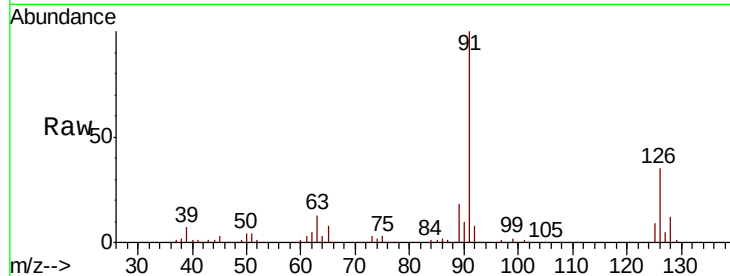




#79
 2-Chlorotoluene
 Concen: 50.718 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

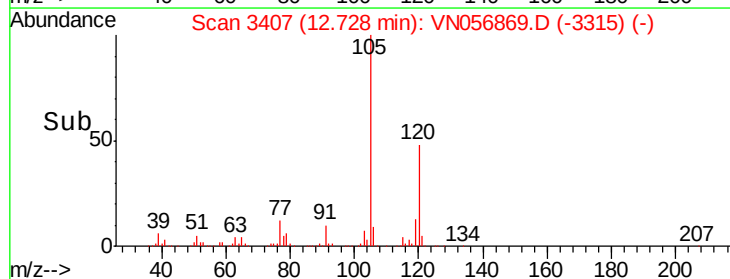
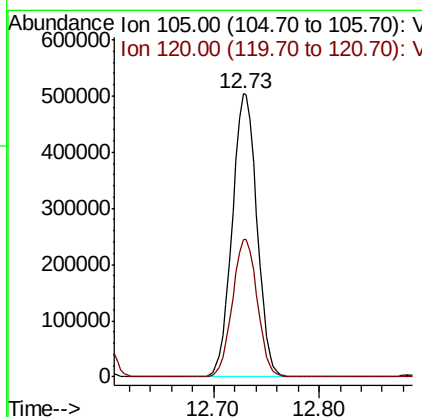
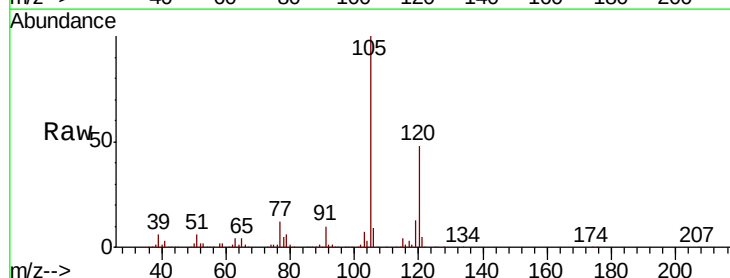
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

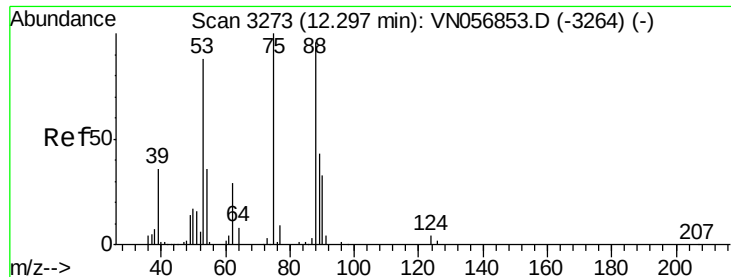
Tot Ion: 91 Resp: 616846
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 52.881 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 105 Resp: 814321
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.839 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

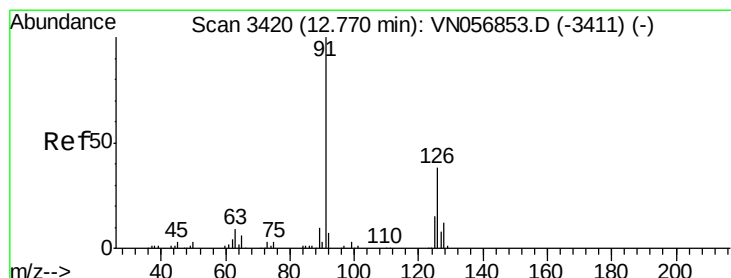
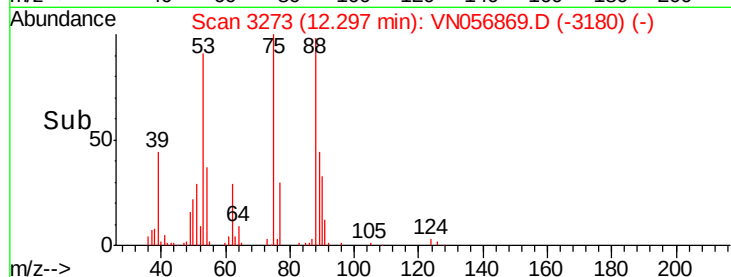
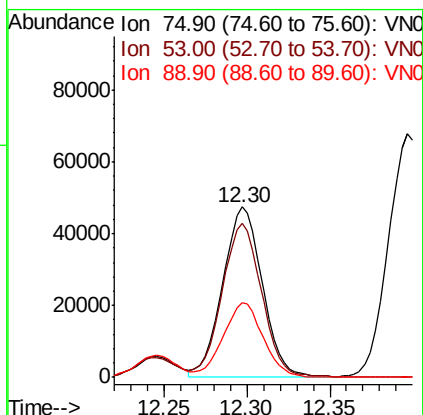
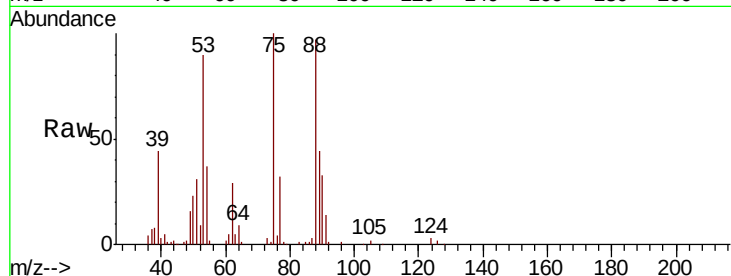
Tot Ion: 75 Resp: 79231

Ion Ratio Lower Upper

75 100

53 89.9 72.3 108.5

89 43.9 36.2 54.4



#82

4-Chlorotoluene

Concen: 48.284 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056869.D

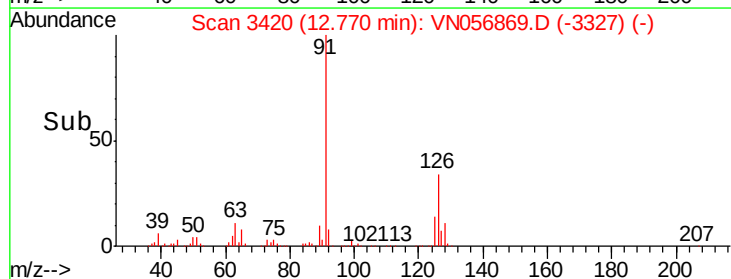
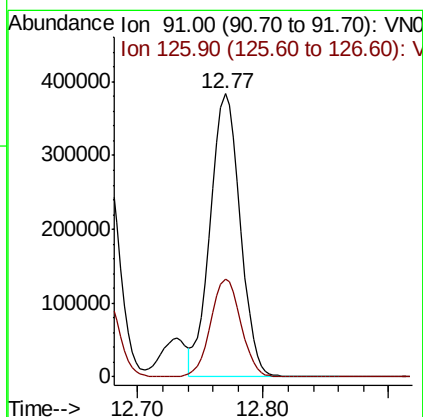
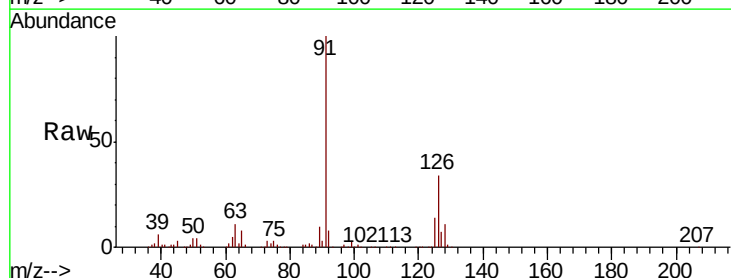
Acq: 23 Jul 2019 9:11

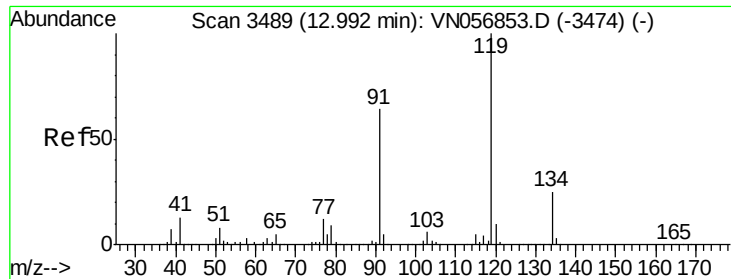
Tgt Ion: 91 Resp: 635961

Ion Ratio Lower Upper

91 100

126 34.8 17.3 52.0

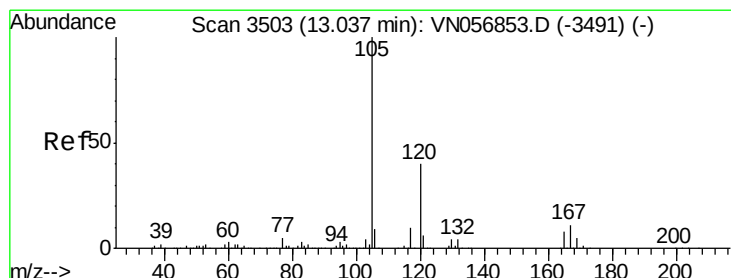
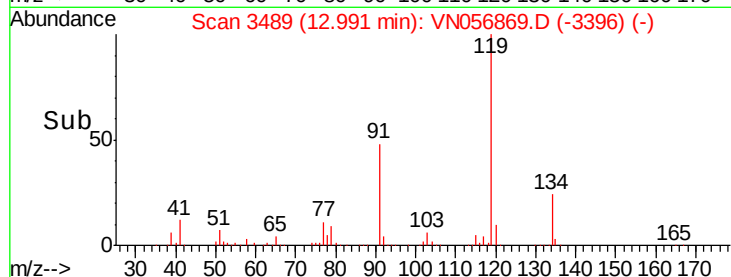
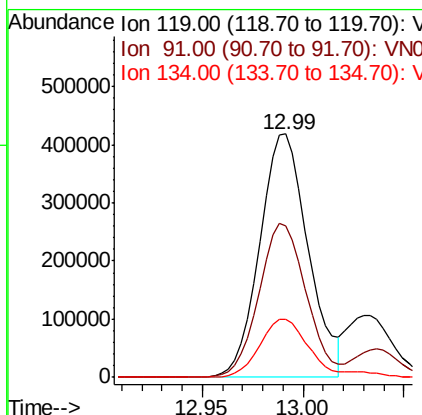
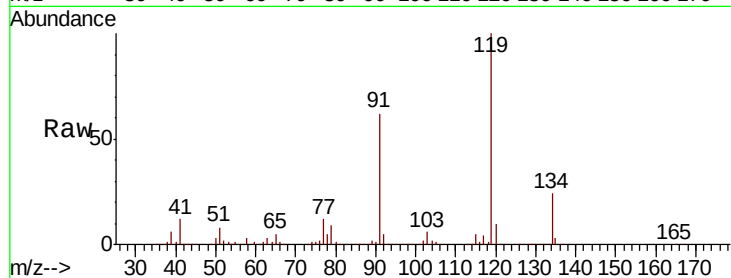




#83
 tert-Butylbenzene
 Concen: 52.456 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

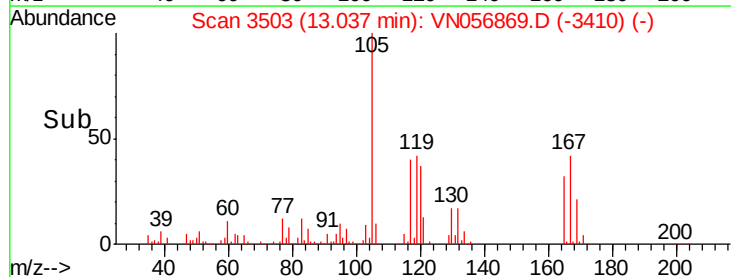
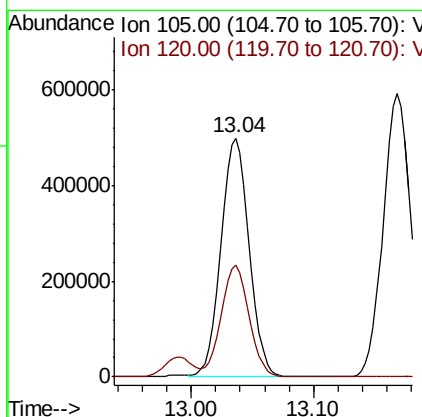
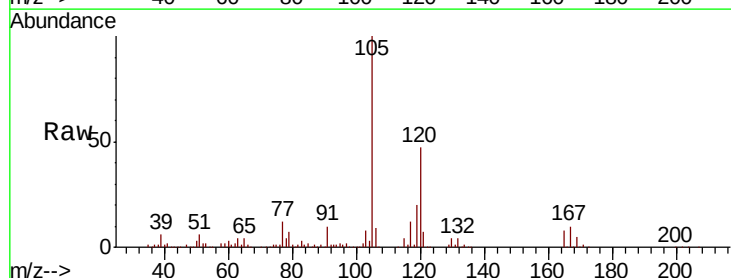
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

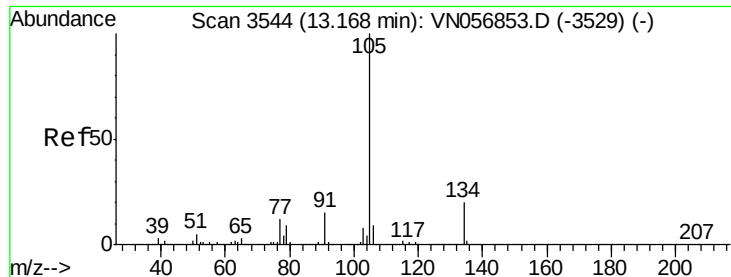
Tot Ion:119 Resp: 700597
 Ion Ratio Lower Upper
 119 100
 91 61.5 31.5 94.5
 134 25.5 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.537 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion:105 Resp: 809895
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 47.941 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

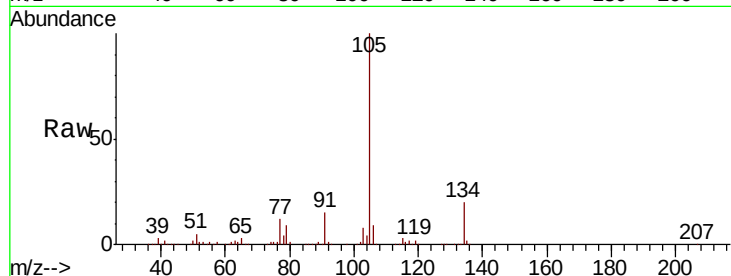
VSTDCCC050

Tot Ion:105 Resp: 940049

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

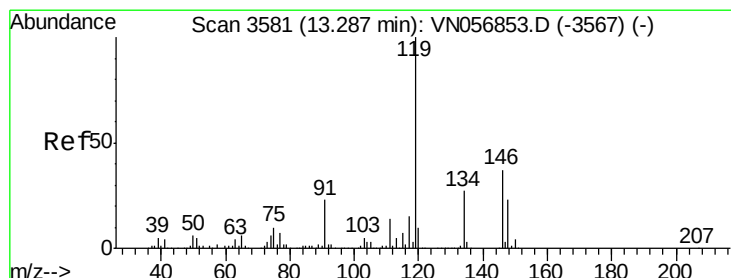
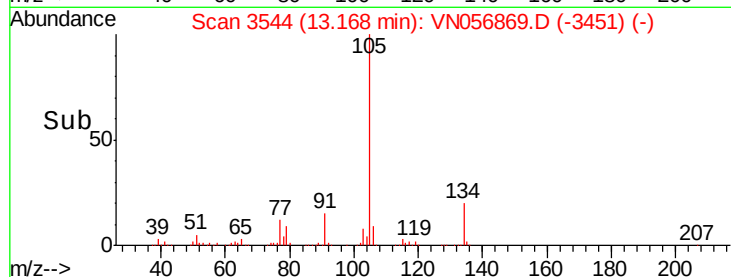
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.027 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

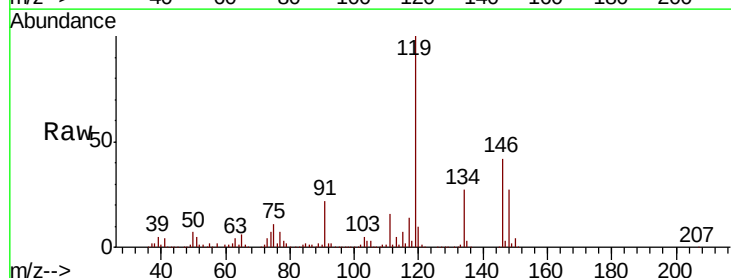
Tgt Ion:119 Resp: 873896

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 21.9 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

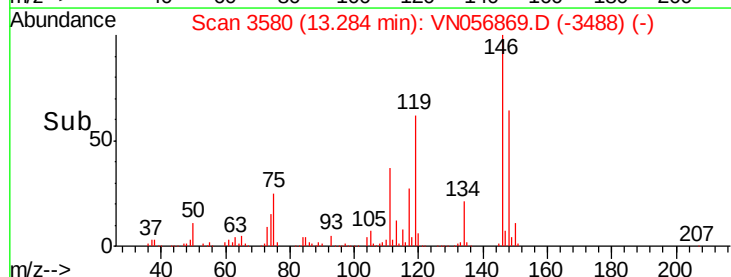
600000

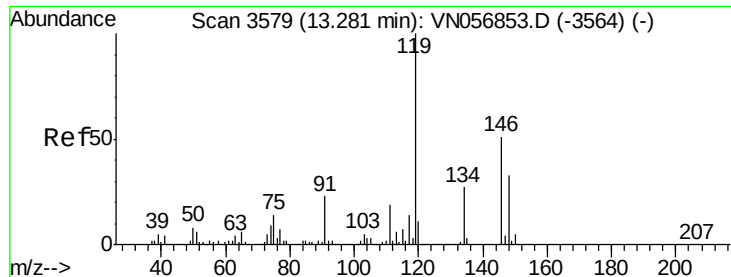
400000

200000

0

Time-->

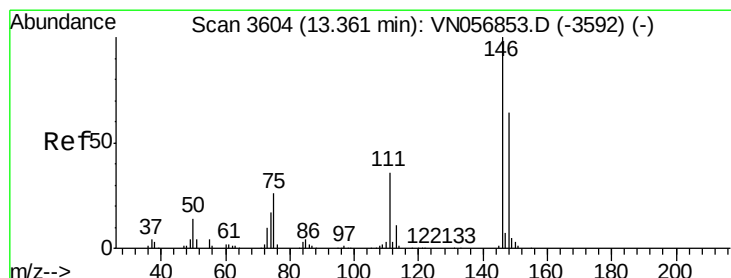
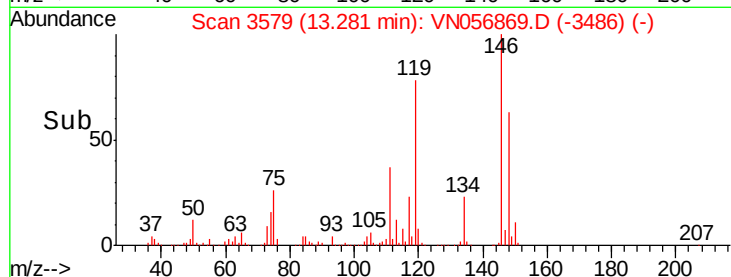
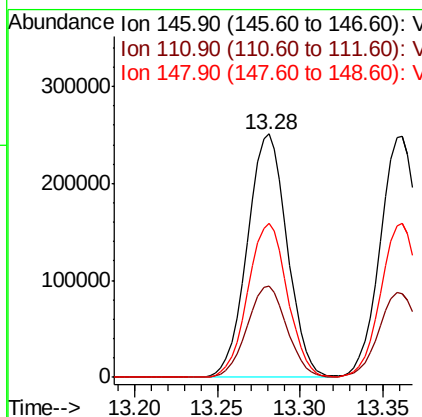
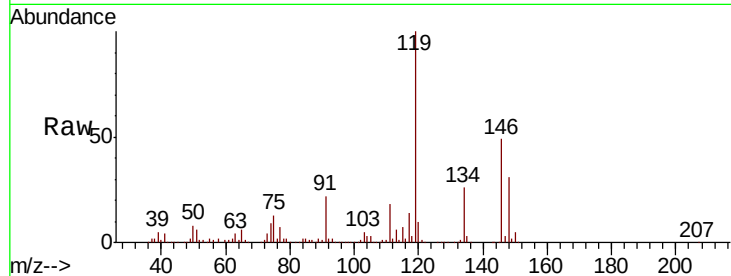




#87
 1,3-Dichlorobenzene
 Concen: 49.690 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

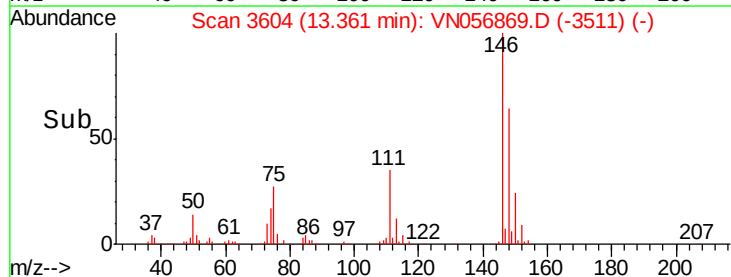
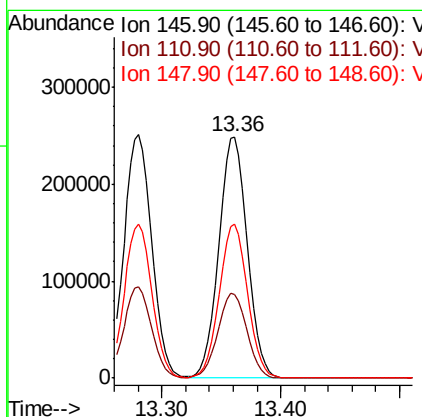
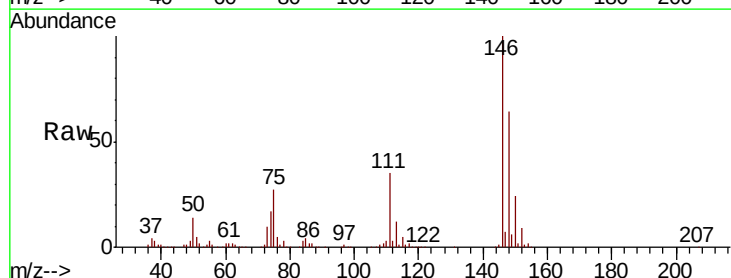
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

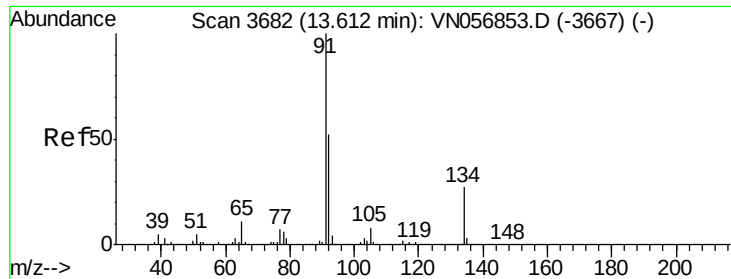
Tot Ion:146 Resp: 418462
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.5
 148 63.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.501 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion:146 Resp: 413156
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.3 54.9
 148 63.4 32.1 96.3

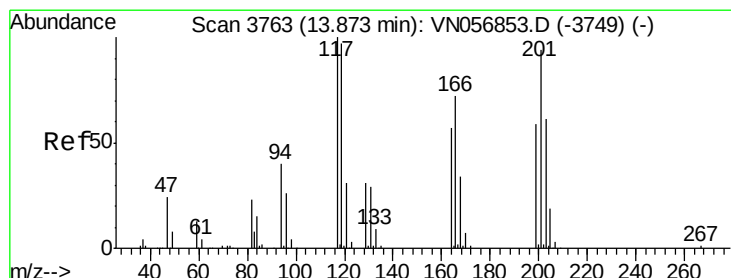
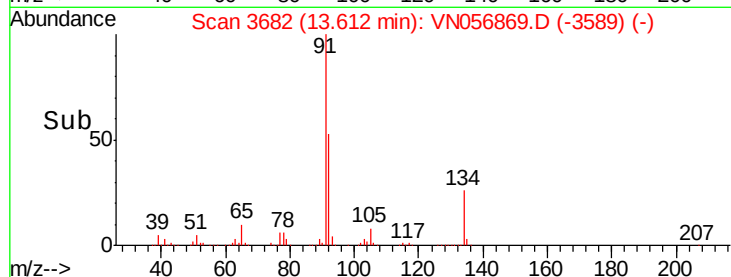
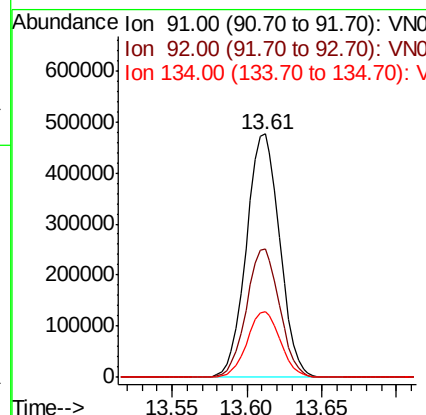
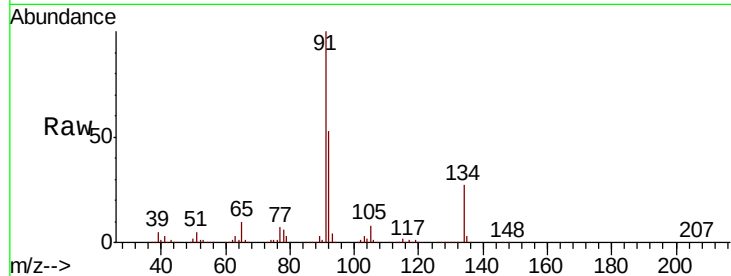




#89
n-Butylbenzene
Concen: 55.092 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

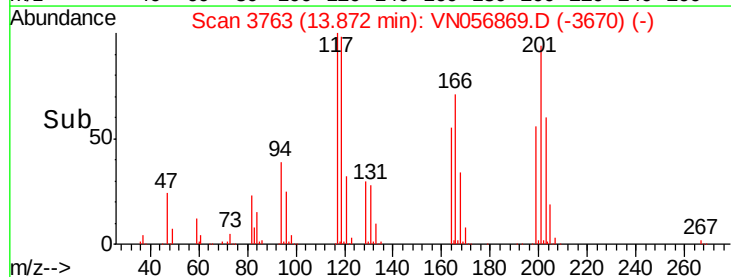
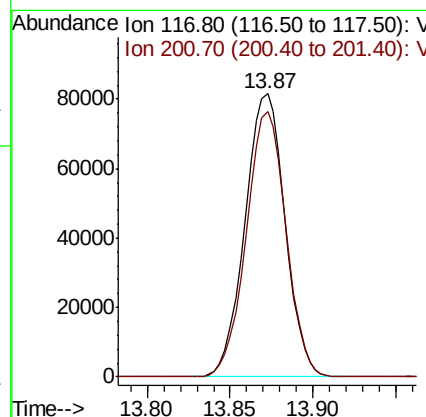
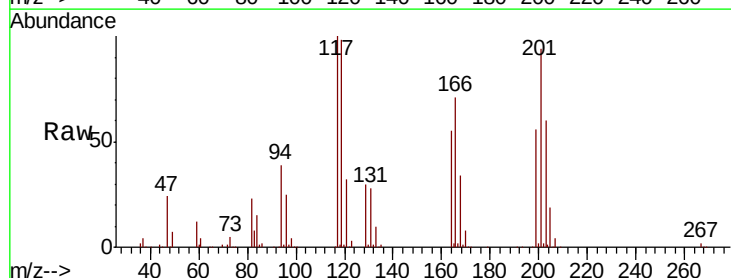
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

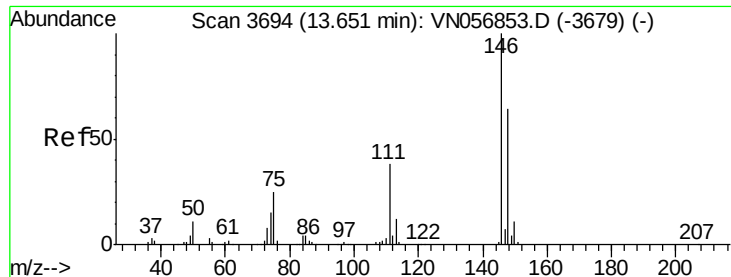
Tot Ion: 91 Resp: 739919
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 26.7 13.3 39.9



#90
Hexachloroethane
Concen: 44.912 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 117 Resp: 136974
Ion Ratio Lower Upper
117 100
201 92.9 47.1 141.3

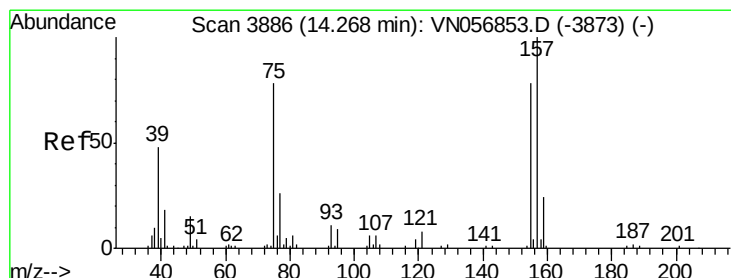
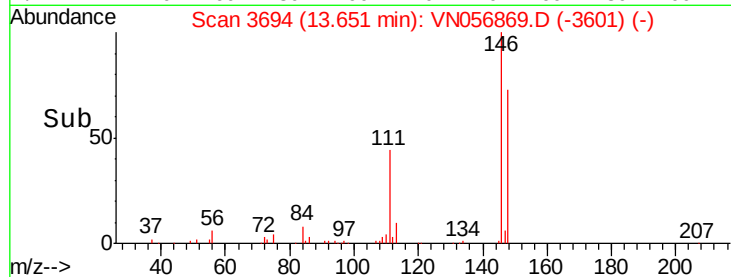
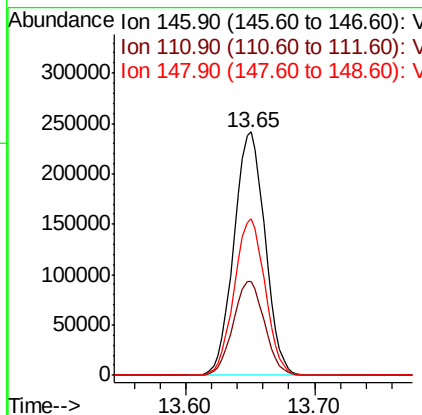
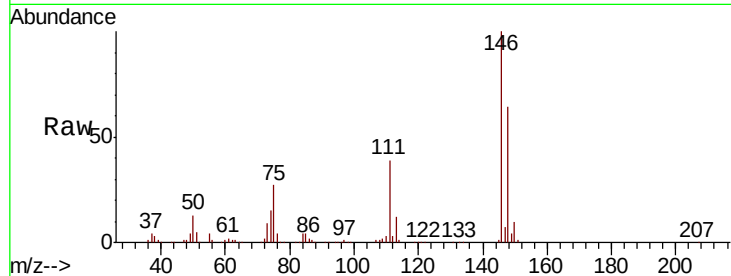




#91
 1,2-Dichlorobenzene
 Concen: 47.853 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

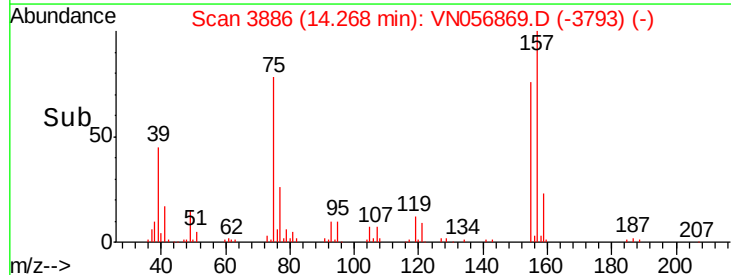
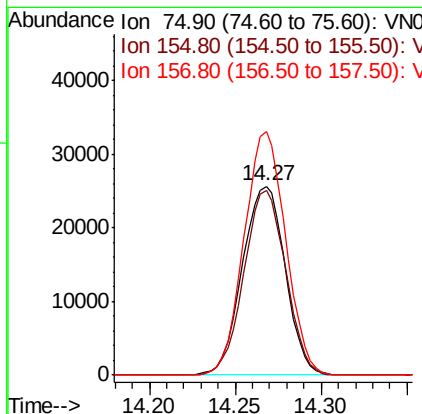
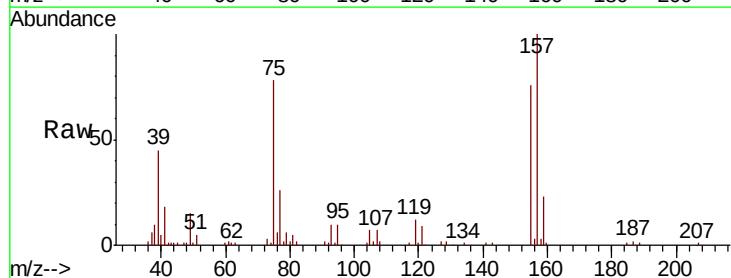
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

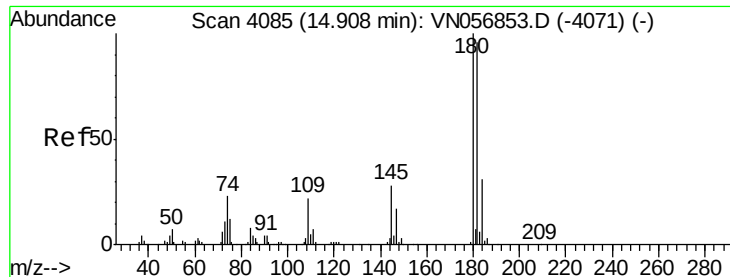
Tot Ion:146 Resp: 405044
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.5
 148 63.9 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.113 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 75 Resp: 44340
 Ion Ratio Lower Upper
 75 100
 155 95.6 49.9 149.6
 157 124.9 64.8 194.4

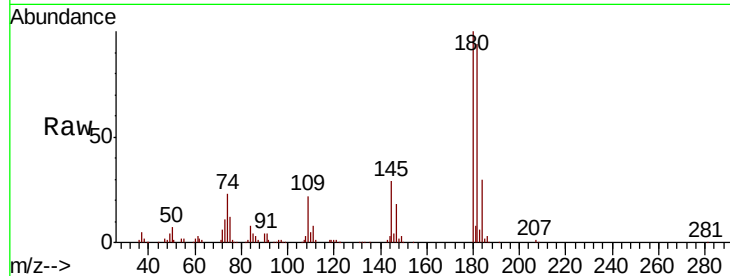




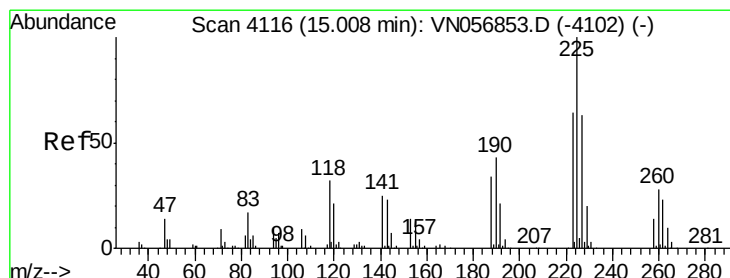
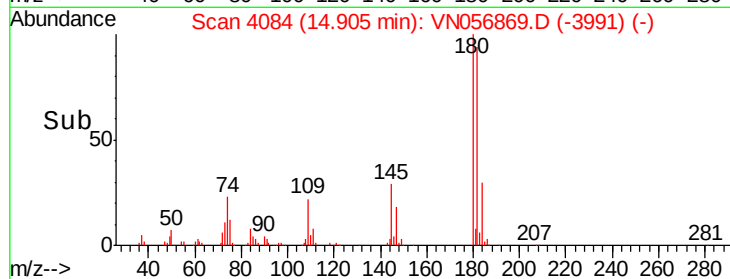
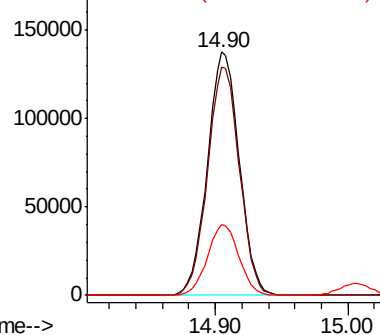
#93
 1,2,4-Trichlorobenzene
 Concen: 50.274 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 228836
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.9 143.7
 145 28.5 14.1 42.3

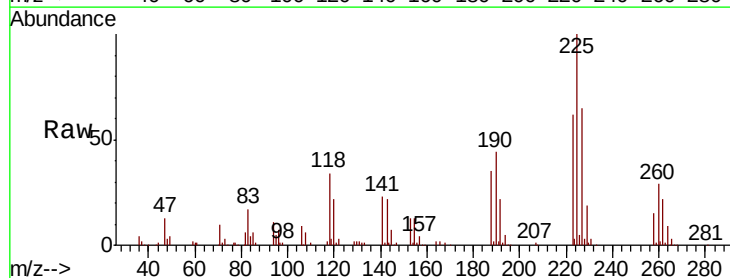


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

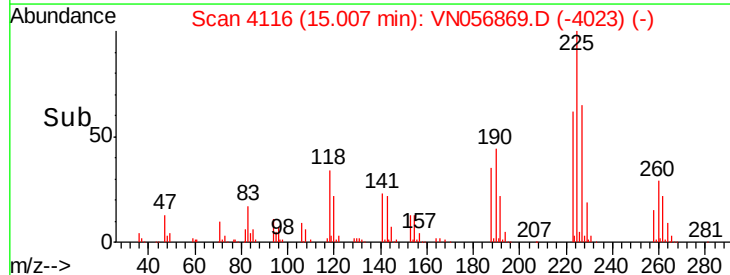
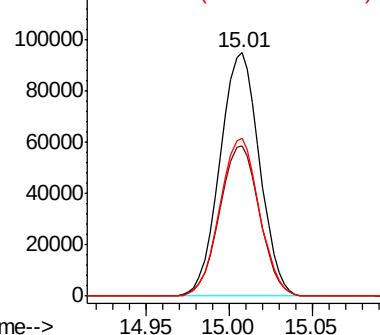


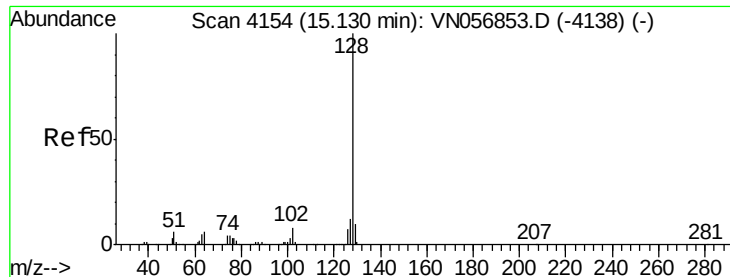
#94
 Hexachlorobutadiene
 Concen: 56.038 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion:225 Resp: 157302
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.9 95.5
 227 64.8 31.7 95.1



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





#95

Naphthalene

Concen: 47.463 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

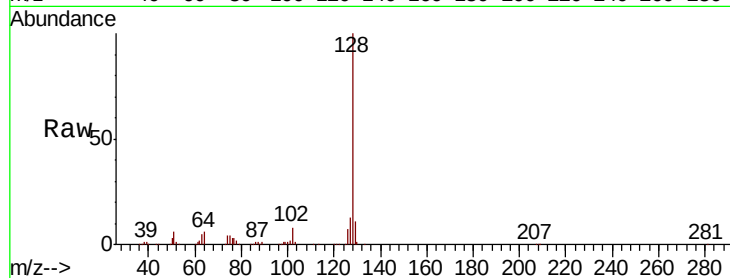
Tot Ion:128 Resp: 553977

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

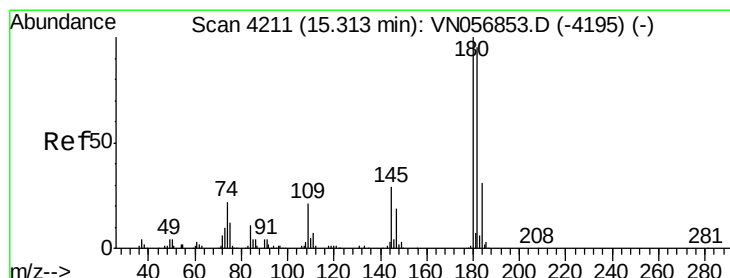
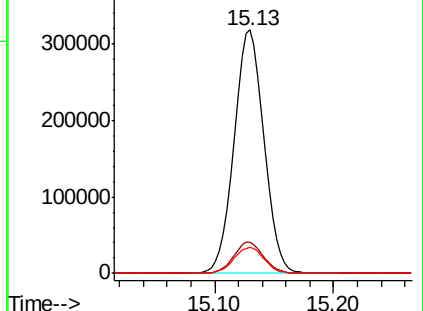
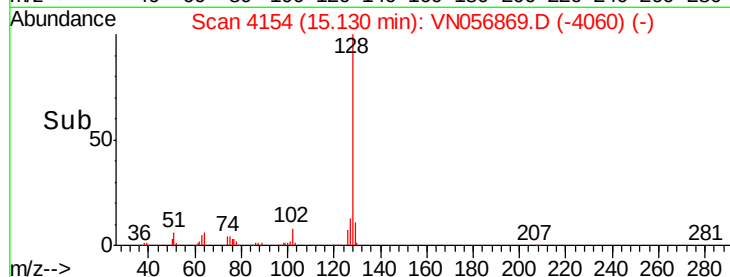
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.324 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

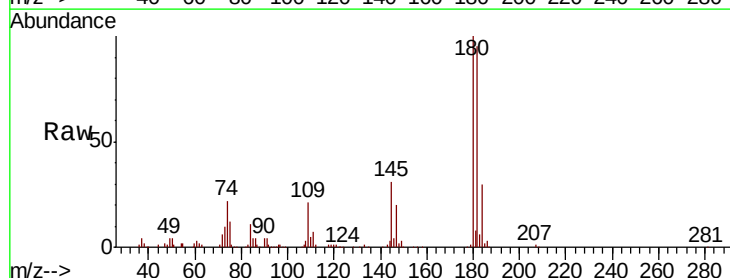
Tgt Ion:180 Resp: 233857

Ion Ratio Lower Upper

180 100

182 95.1 48.1 144.3

145 30.5 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

