

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056819.D
 Acq On : 19 Jul 2019 10:07
 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 19 23:11:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	304607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	447464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185629	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	172582	51.22	ug/l	0.00
Spiked Amount						
			Recovery	=	102.44%	
35) Dibromofluoromethane	7.59	113	154811	55.59	ug/l	0.00
Spiked Amount						
			Recovery	=	111.18%	
50) Toluene-d8	10.09	98	588104	54.68	ug/l	0.00
Spiked Amount						
			Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.40	95	203866	56.21	ug/l	0.00
Spiked Amount						
			Recovery	=	112.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	140089	48.978	ug/l	95
3) Chloromethane	2.06	50	186259	48.436	ug/l	98
4) Vinyl Chloride	2.18	62	181218	48.937	ug/l	99
5) Bromomethane	2.54	94	102035	46.855	ug/l	97
6) Chloroethane	2.69	64	103906	48.152	ug/l	99
7) Trichlorofluoromethane	3.00	101	241983	50.926	ug/l	99
8) Diethyl Ether	3.41	74	96524	52.103	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151181	52.957	ug/l	100
10) Methyl Iodide	3.95	142	203305	53.243	ug/l	99
11) Tert butyl alcohol	4.79	59	146321	260.900	ug/l	99
12) 1,1-Dichloroethene	3.73	96	146724	51.240	ug/l	96
13) Acrolein	3.61	56	47401	247.565	ug/l	100
14) Allyl chloride	4.32	41	249212	50.325	ug/l	99
15) Acrylonitrile	4.98	53	419801	259.201	ug/l	100
16) Acetone	3.81	43	397749	256.168	ug/l	100
17) Carbon Disulfide	4.05	76	358714	47.406	ug/l	100
18) Methyl Acetate	4.32	43	177610	50.950	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	473309	51.877	ug/l	100
20) Methylene Chloride	4.55	84	175755	51.797	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	156249	51.621	ug/l	97
22) Diisopropyl ether	5.95	45	520286	53.228	ug/l	96
23) Vinyl Acetate	5.89	43	2120064	267.658	ug/l	100
24) 1,1-Dichloroethane	5.84	63	292174	51.556	ug/l	99
25) 2-Butanone	6.83	43	576884	254.129	ug/l	99
26) 2,2-Dichloropropane	6.82	77	217469	53.220	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	185042	53.129	ug/l	99
28) Bromochloromethane	7.19	49	126803	47.589	ug/l	99
29) Tetrahydrofuran	7.21	42	373063	251.969	ug/l	99
30) Chloroform	7.37	83	291595	51.419	ug/l	99
31) Cyclohexane	7.65	56	273785	50.829	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	238154	53.102	ug/l	100
36) 1,1-Dichloropropene	7.79	75	218755	52.831	ug/l	99
37) Ethyl Acetate	6.93	43	219423	53.767	ug/l	98
38) Carbon Tetrachloride	7.77	117	206986	53.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	277492	54.275	ug/l	99
40) Benzene	8.04	78	684020	53.914	ug/l	100
41) Methacrylonitrile	7.17	41	103427	57.696	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	215813	53.822	ug/l	100
43) Isopropyl Acetate	8.16	43	344607	53.713	ug/l	99
44) Trichloroethene	8.83	130	189581	55.026	ug/l	96
45) 1,2-Dichloropropane	9.12	63	184107	54.612	ug/l	99
46) Dibromomethane	9.21	93	116289	55.664	ug/l	99
47) Bromodichloromethane	9.40	83	221625	55.826	ug/l	99
48) Methyl methacrylate	9.20	41	168240	54.223	ug/l	98
49) 1,4-Dioxane	9.20	88	74777	1174.548	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1109225	266.939	ug/l	99
52) Toluene	10.15	92	422966	56.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	238543	57.593	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	270716	56.325	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171221	54.179	ug/l	100
56) Ethyl methacrylate	10.43	69	261436	57.494	ug/l	99
57) 1,3-Dichloropropane	10.71	76	284058	55.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	610774	279.323	ug/l	98
59) 2-Hexanone	10.75	43	812791	272.601	ug/l	99
60) Dibromochloromethane	10.90	129	178370	57.390	ug/l	99
61) 1,2-Dibromoethane	11.00	107	180839	57.579	ug/l	98
64) Tetrachloroethene	10.63	164	188471	54.105	ug/l	98
65) Chlorobenzene	11.43	112	455426	55.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	169816	55.865	ug/l	98
67) Ethyl Benzene	11.51	91	803791	55.399	ug/l	99
68) m/p-Xylenes	11.62	106	614336	113.295	ug/l	99
69) o-Xylene	11.94	106	295396	55.412	ug/l	99
70) Styrene	11.96	104	504766	58.568	ug/l	100
71) Bromoform	12.12	173	132865	57.446	ug/l #	98
73) Isopropylbenzene	12.25	105	782214	52.261	ug/l	100
74) N-amyl acetate	12.07	43	284613	51.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240860	55.798	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	296870	73.121	ug/l #	100
77) Bromobenzene	12.53	156	207265	52.943	ug/l	96
78) n-propylbenzene	12.59	91	884799	53.248	ug/l	100
79) 2-Chlorotoluene	12.67	91	524577	57.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	673945	53.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70723	53.797	ug/l	100
82) 4-Chlorotoluene	12.77	91	520796	53.407	ug/l	99
83) tert-Butylbenzene	12.99	119	571405	58.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	660005	53.257	ug/l	99
85) sec-Butylbenzene	13.17	105	754155	53.502	ug/l	99
86) p-Isopropyltoluene	13.29	119	693525	54.311	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	344474	53.691	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334649	53.623	ug/l	99
89) n-Butylbenzene	13.61	91	570304	55.445	ug/l	99
90) Hexachloroethane	13.87	117	112155	54.313	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	340313	51.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40222	50.115	ug/l	99

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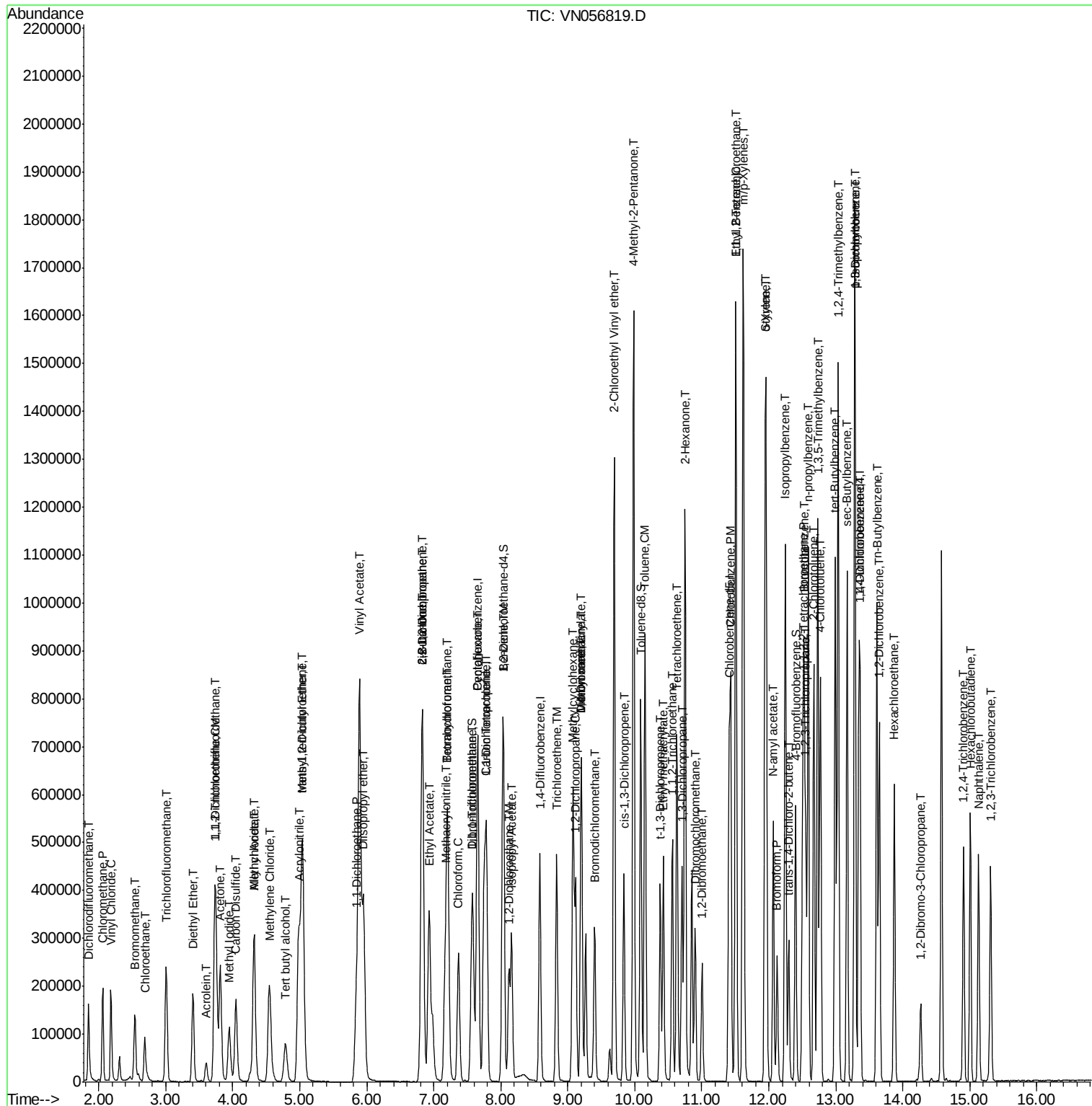
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	171405	47.484	ug/l	99
94) Hexachlorobutadiene	15.01	225	121910	59.376	ug/l	98
95) Naphthalene	15.13	128	425168	43.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	174837	48.671	ug/l	100

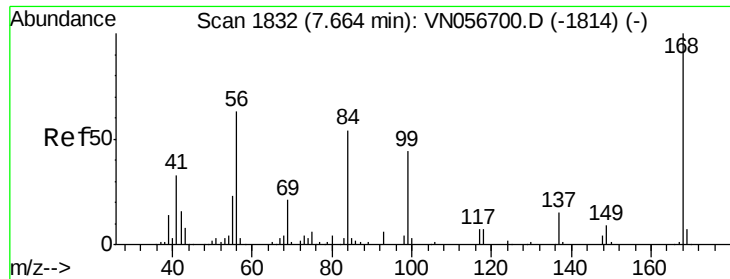
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071919\
Data File : VN056819.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

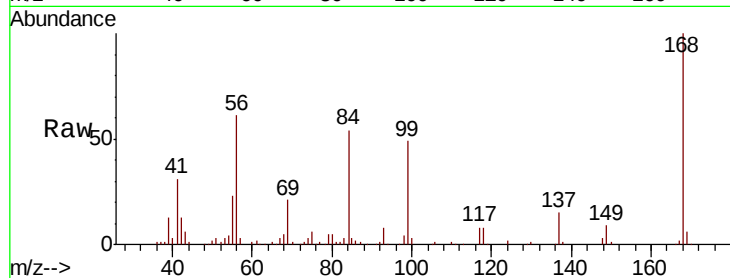
VSTDCCC050

Tot Ion:168 Resp: 304607

Ion Ratio Lower Upper

168 100

99 48.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

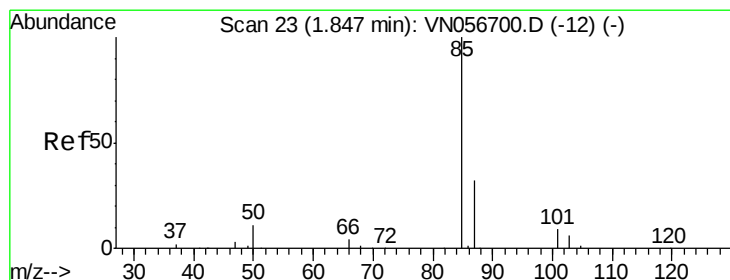
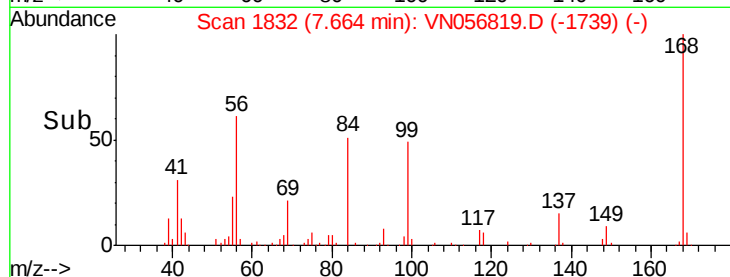
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.978 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056819.D

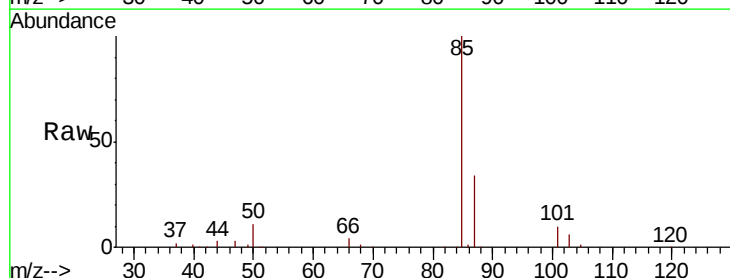
Acq: 19 Jul 2019 10:07

Tgt Ion: 85 Resp: 140089

Ion Ratio Lower Upper

85 100

87 34.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

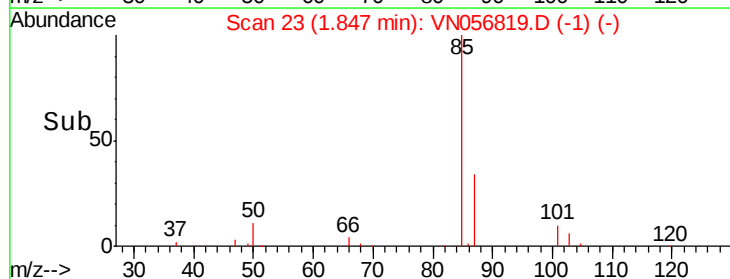
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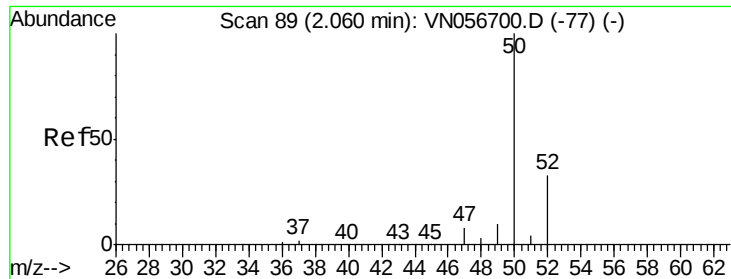
40000

20000

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Time-->





#3

Chloromethane

Concen: 48.436 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

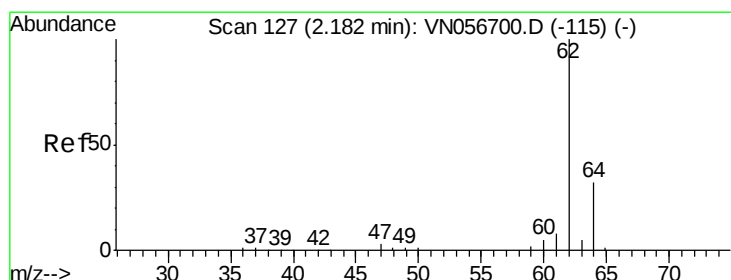
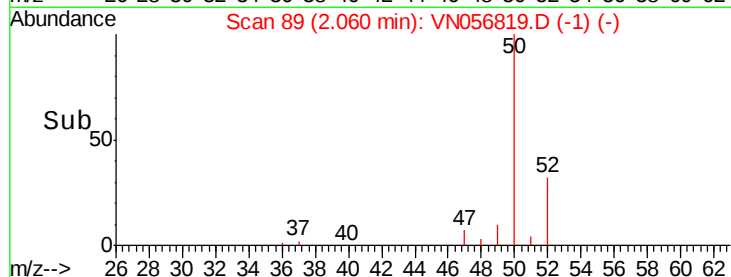
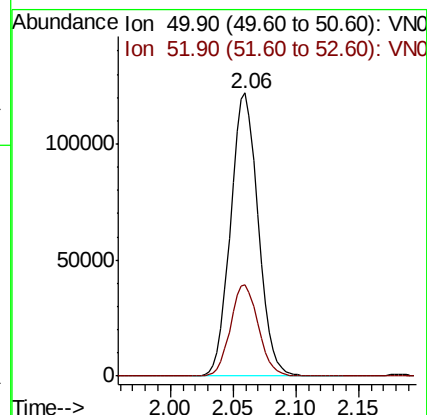
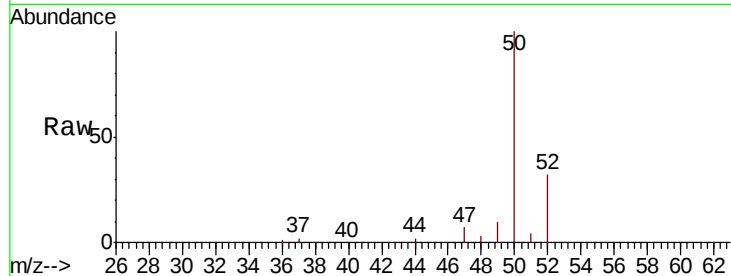
VSTDCCC050

Tot Ion: 50 Resp: 186259

Ion Ratio Lower Upper

50 100

52 32.1 26.5 39.7



#4

Vinyl Chloride

Concen: 48.937 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056819.D

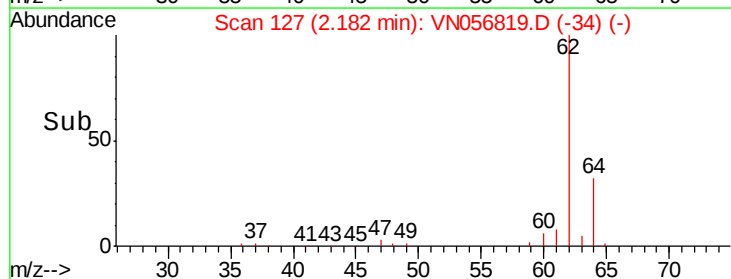
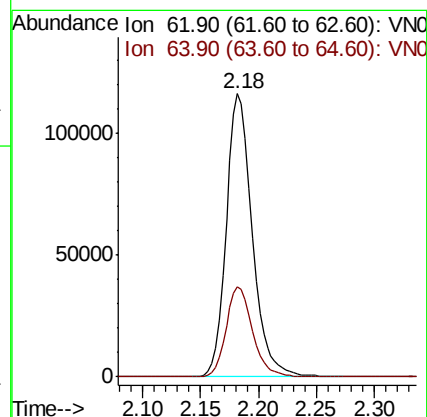
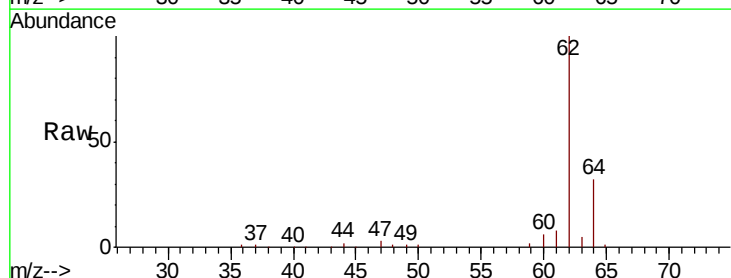
Acq: 19 Jul 2019 10:07

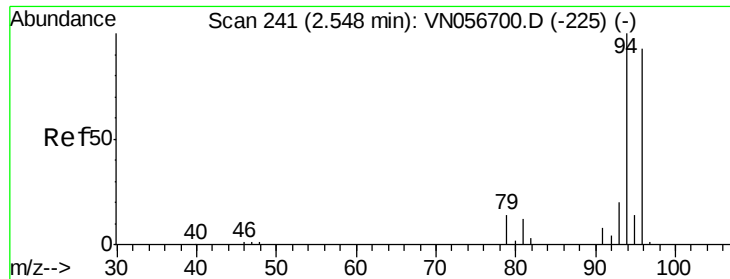
Tgt Ion: 62 Resp: 181218

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 46.855 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

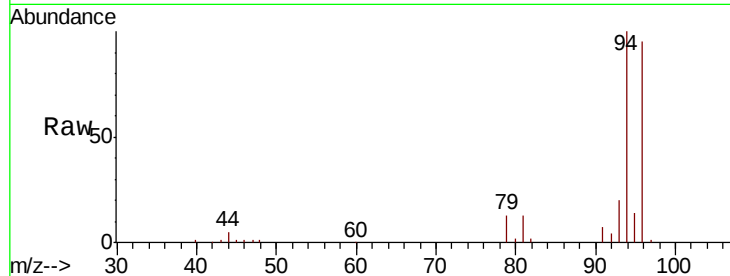
VSTDCCC050

Tot Ion: 94 Resp: 102035

Ion Ratio Lower Upper

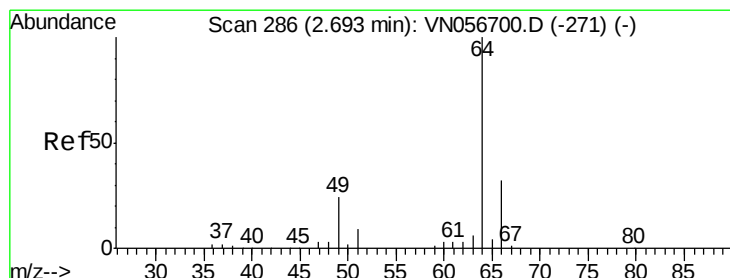
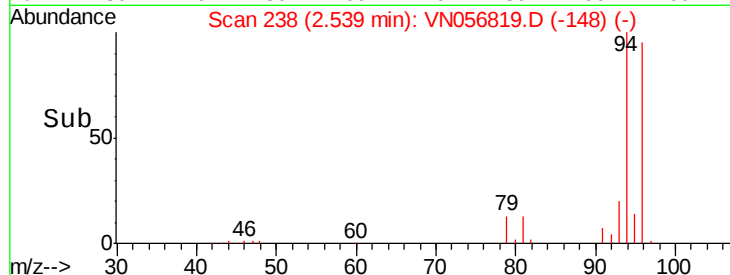
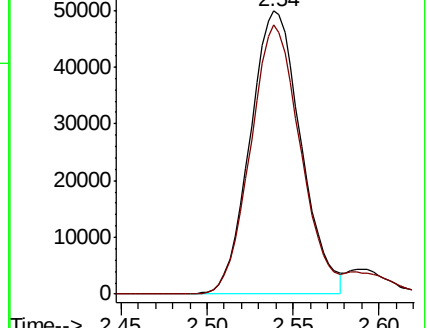
94 100

96 94.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN056700.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN056700.D (-225) (-)



#6

Chloroethane

Concen: 48.152 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN056819.D

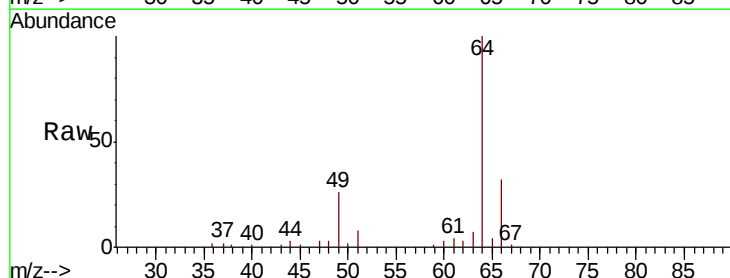
Acq: 19 Jul 2019 10:07

Tgt Ion: 64 Resp: 103906

Ion Ratio Lower Upper

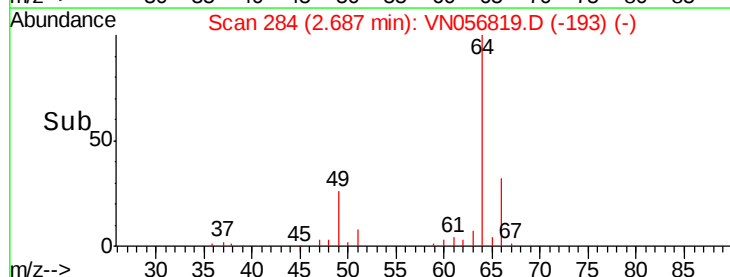
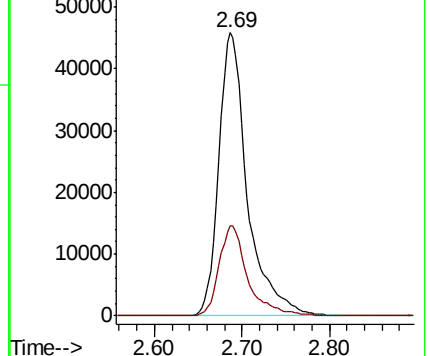
64 100

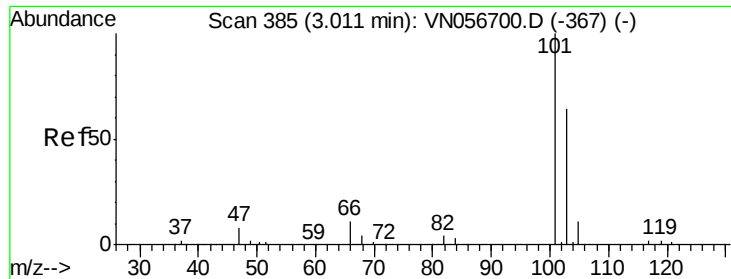
66 31.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN056700.D (-271) (-)

Ion 65.90 (65.60 to 66.60): VN056700.D (-271) (-)



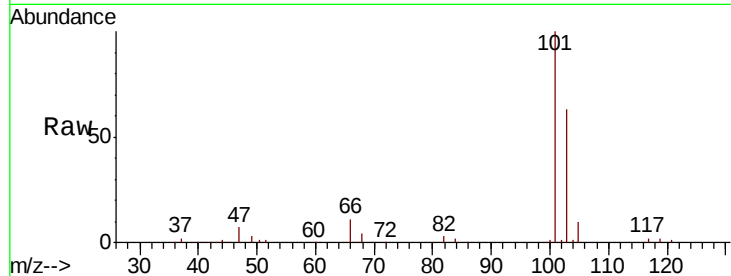


#7

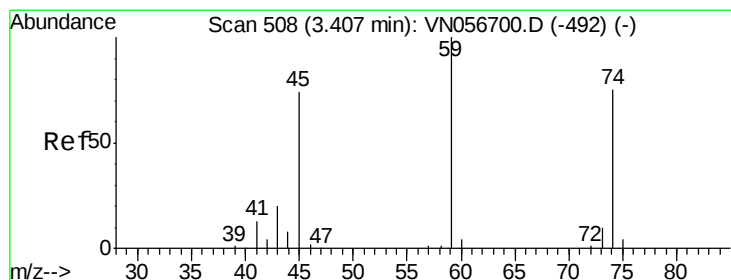
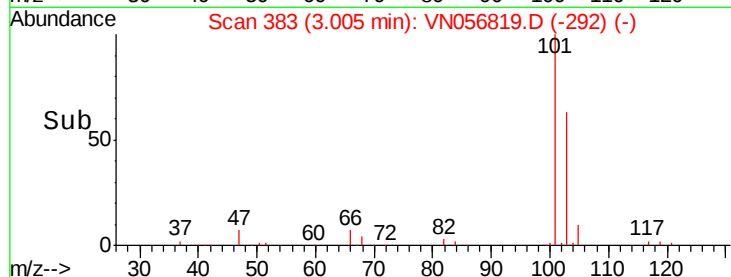
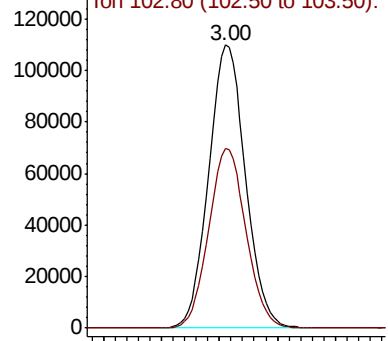
Trichlorofluoromethane
 Concen: 50.926 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
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 VSTDCCC050

Tot Ion:101 Resp: 241983
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.5 77.3



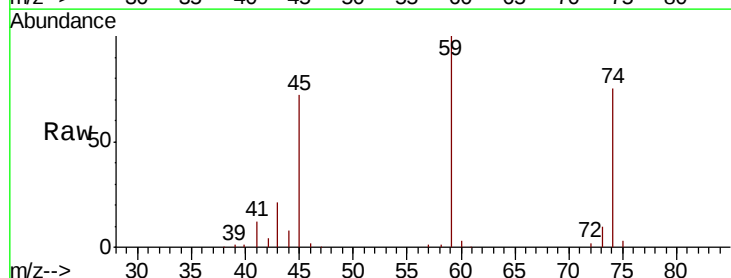
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



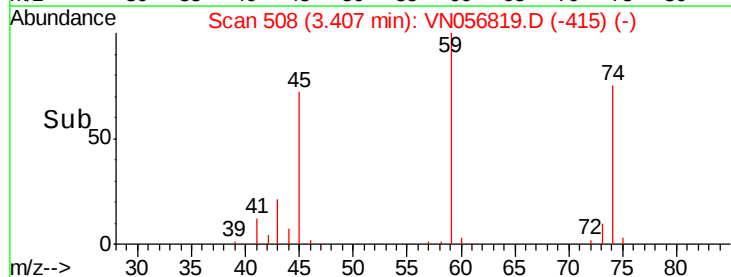
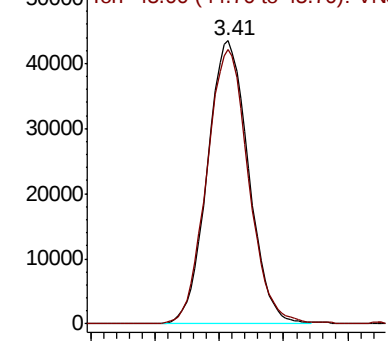
#8

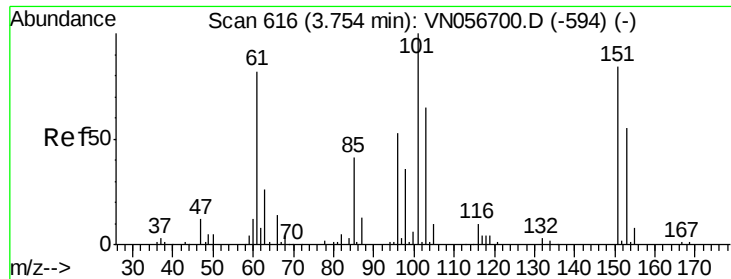
Diethyl Ether
 Concen: 52.103 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056819.D
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Tgt Ion: 74 Resp: 96524
 Ion Ratio Lower Upper
 74 100
 45 98.7 49.4 148.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.957 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

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VSTDCCC050

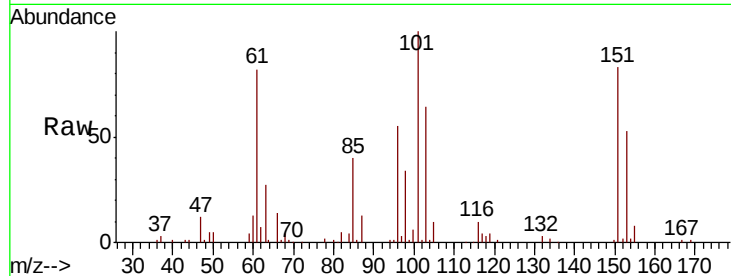
Tot Ion:101 Resp: 151181

Ion Ratio Lower Upper

101 100

85 42.0 33.3 49.9

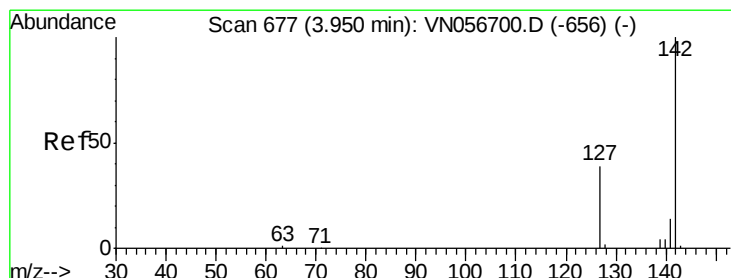
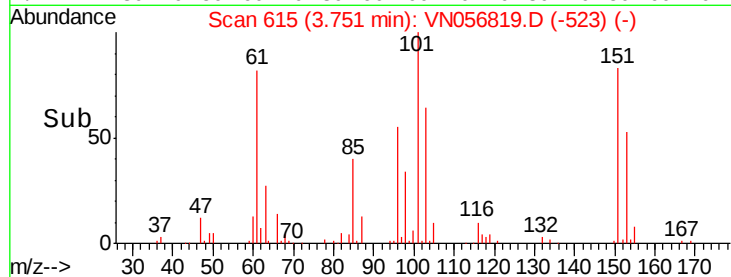
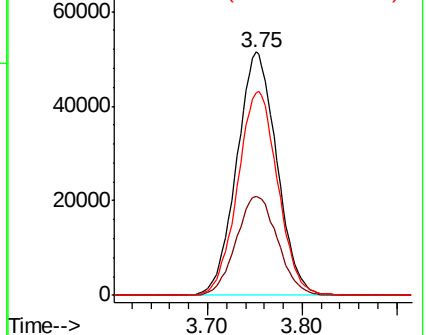
151 83.9 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.243 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

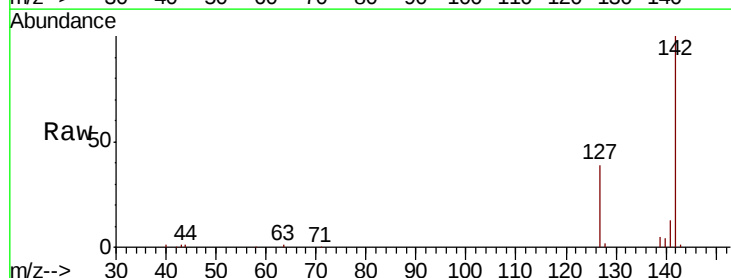
Tgt Ion:142 Resp: 203305

Ion Ratio Lower Upper

142 100

127 38.9 30.7 46.1

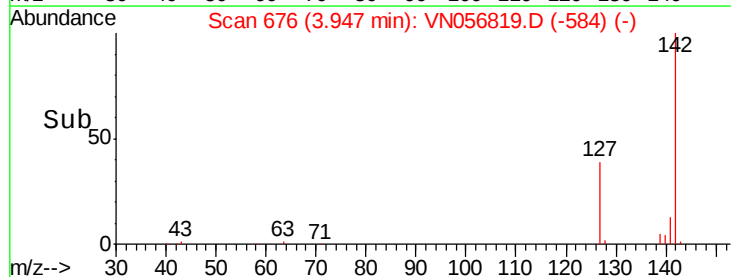
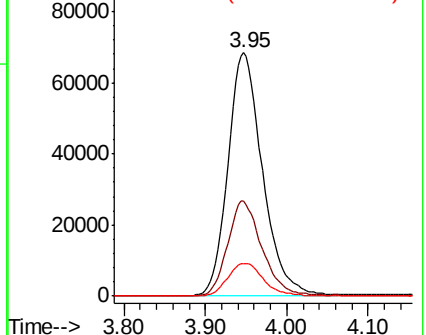
141 13.9 11.3 16.9

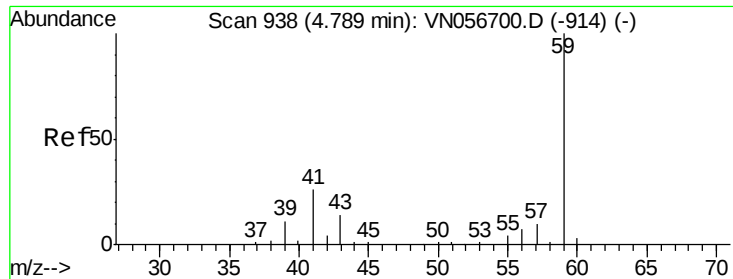


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

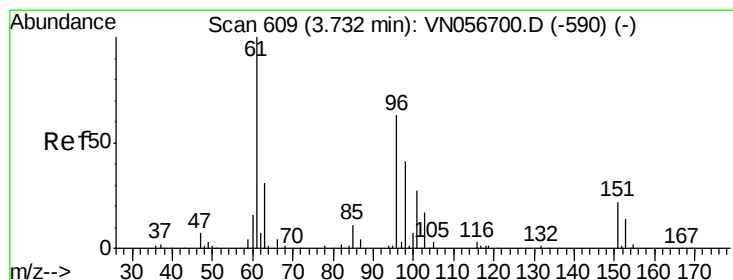
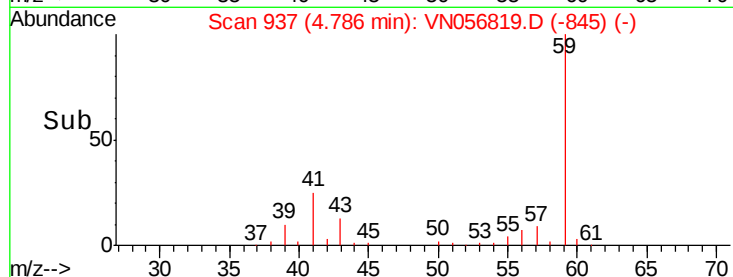
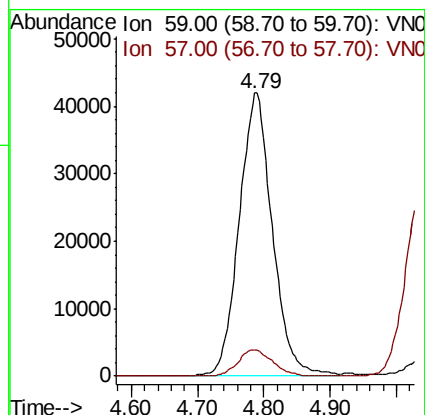
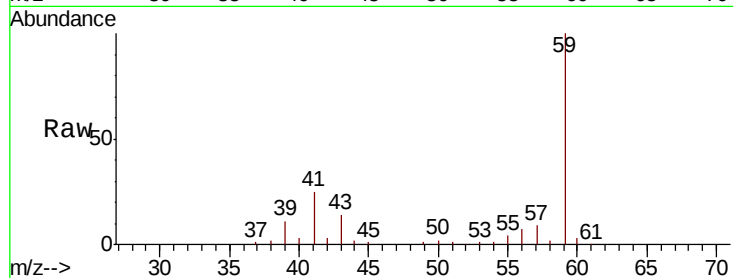




#11
Tert butyl alcohol
Concen: 260.900 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

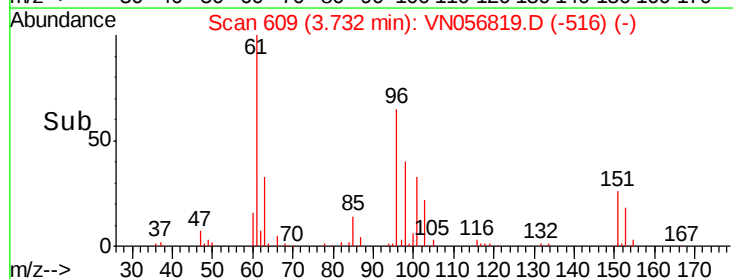
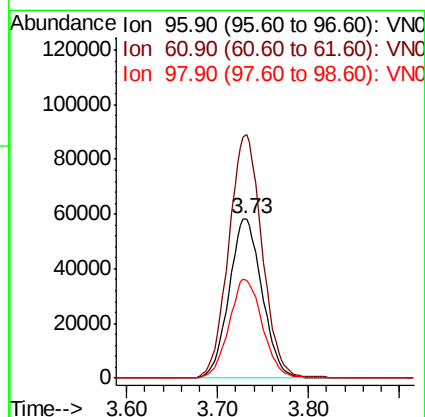
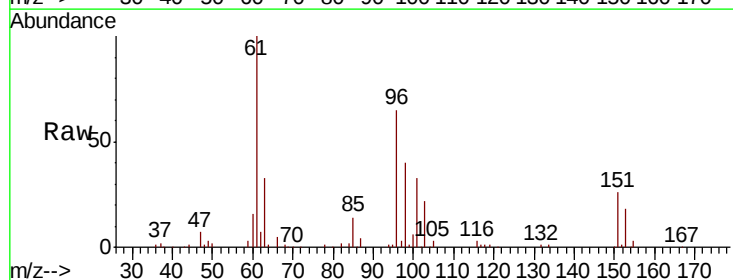
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

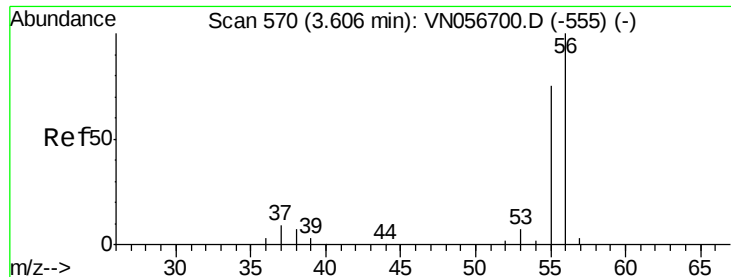
Tot Ion: 59 Resp: 146321
Ion Ratio Lower Upper
59 100
57 9.6 8.0 12.0



#12
1,1-Dichloroethene
Concen: 51.240 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 96 Resp: 146724
Ion Ratio Lower Upper
96 100
61 152.9 126.6 189.8
98 61.4 51.4 77.2





#13

Acrolein

Concen: 247.565 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

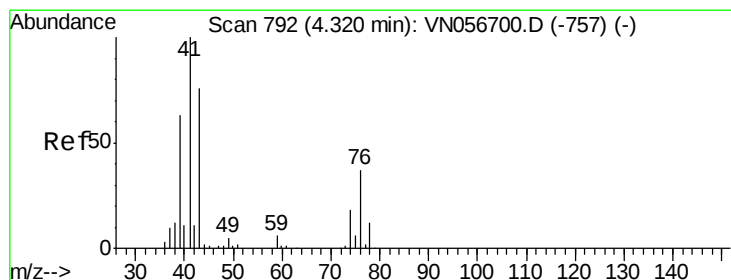
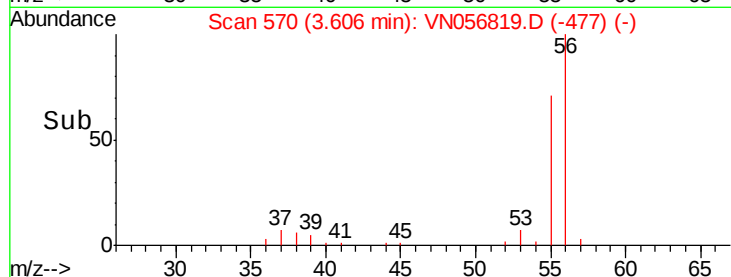
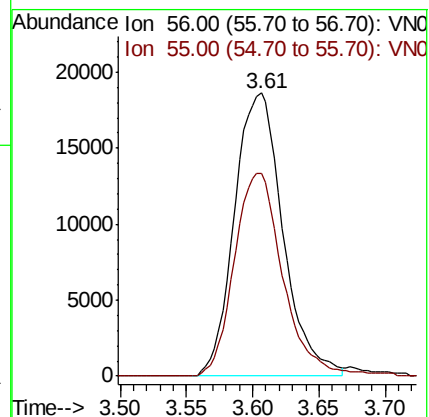
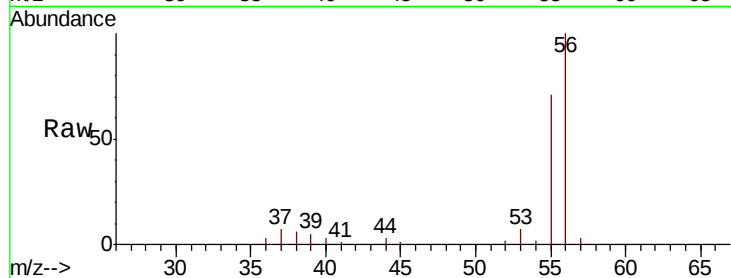
VSTDCCC050

Tot Ion: 56 Resp: 47401

Ion Ratio Lower Upper

56 100

55 72.1 58.0 87.0



#14

Allyl chloride

Concen: 50.325 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

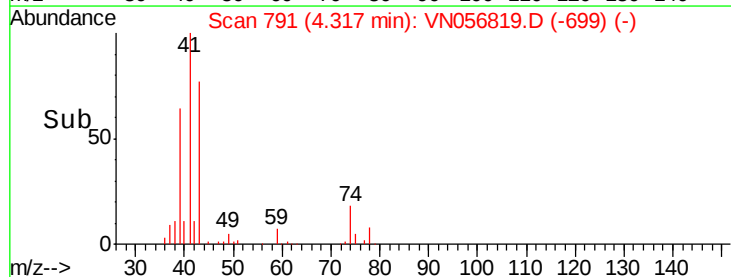
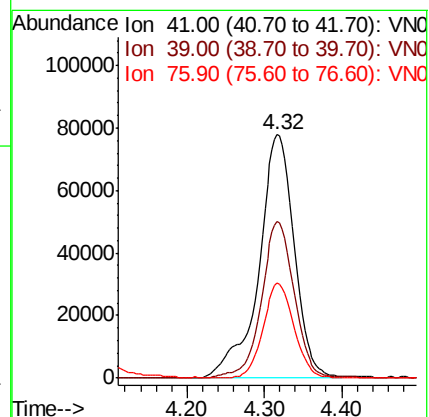
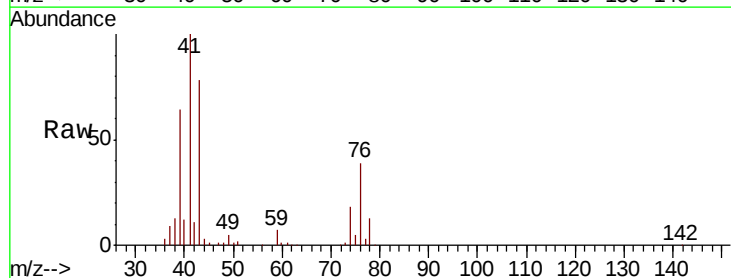
Tgt Ion: 41 Resp: 249212

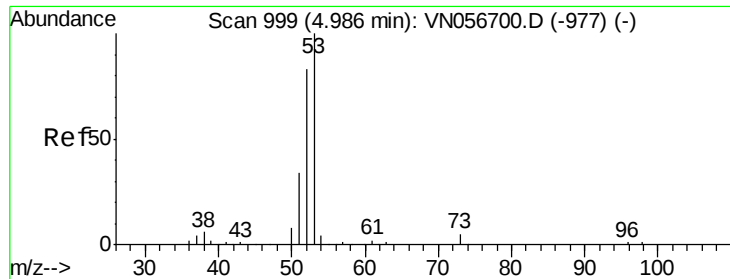
Ion Ratio Lower Upper

41 100

39 59.5 46.9 70.3

76 33.3 26.5 39.7





#15

Acrylonitrile

Concen: 259.201 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

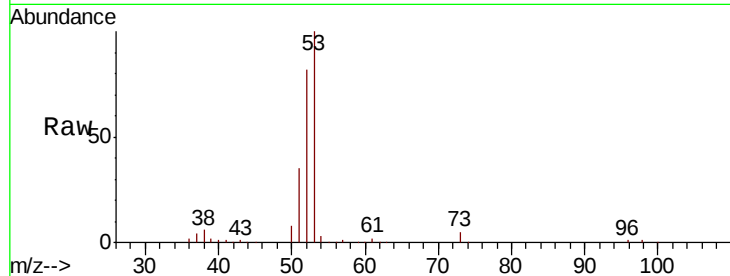
Tot Ion: 53 Resp: 419801

Ion Ratio Lower Upper

53 100

52 82.6 66.6 99.8

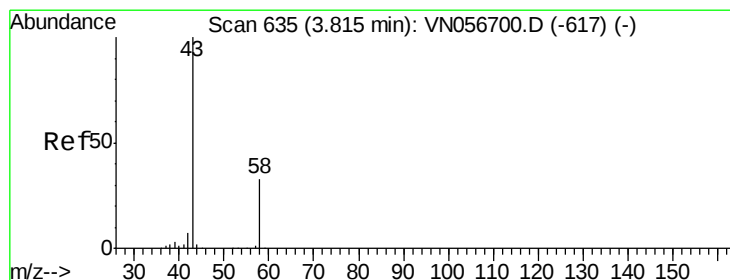
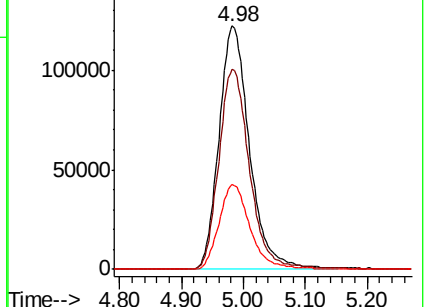
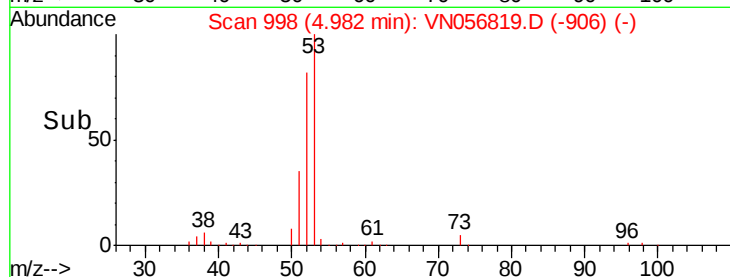
51 35.5 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056819.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056819.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN056819.D (-906) (-)



#16

Acetone

Concen: 256.168 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN056819.D

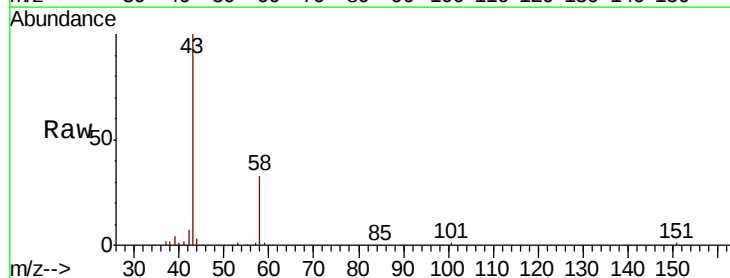
Acq: 19 Jul 2019 10:07

Tgt Ion: 43 Resp: 397749

Ion Ratio Lower Upper

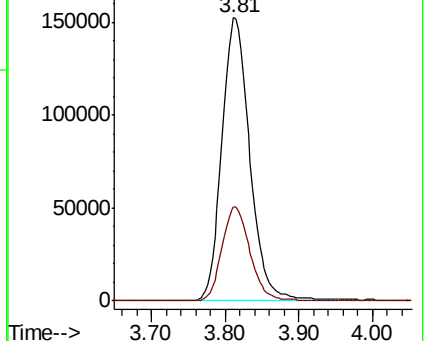
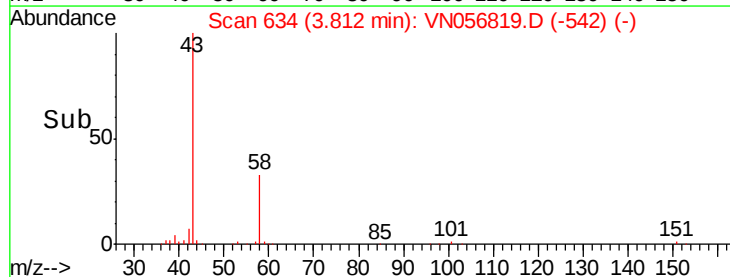
43 100

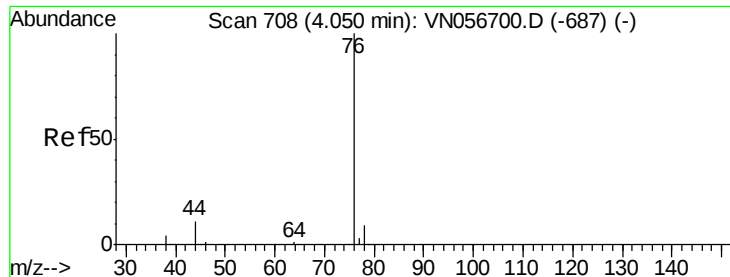
58 33.4 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056819.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056819.D (-542) (-)

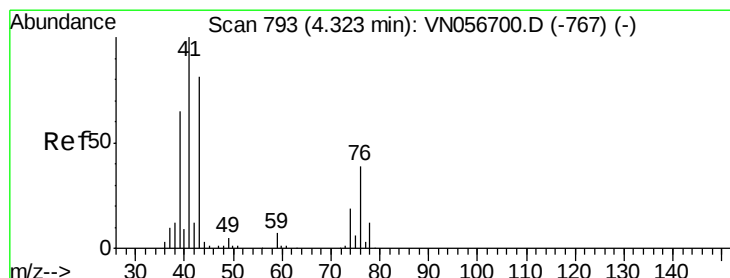
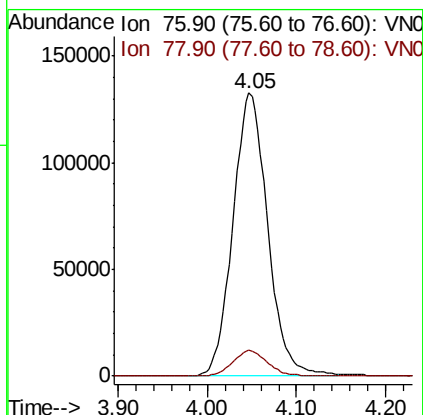
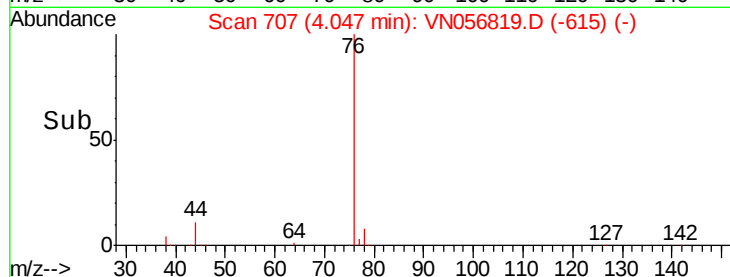
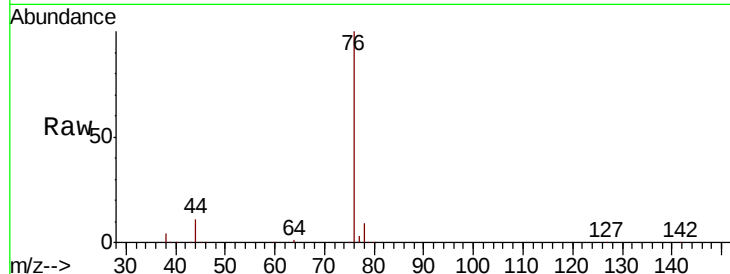




#17
Carbon Disulfide
Concen: 47.406 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

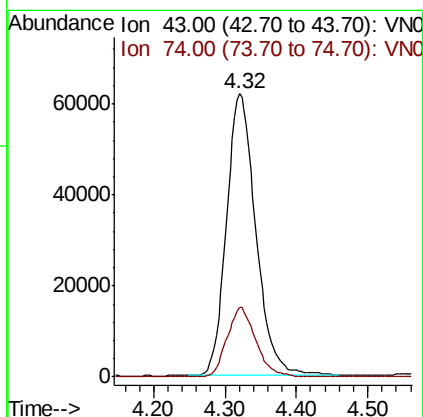
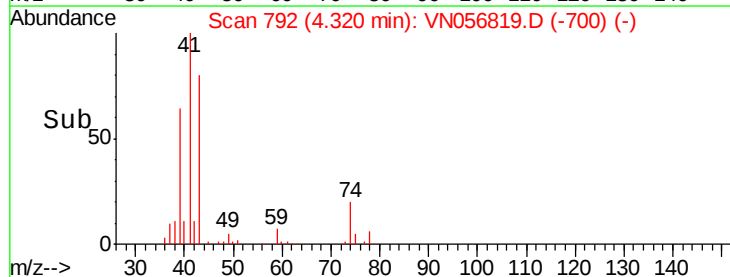
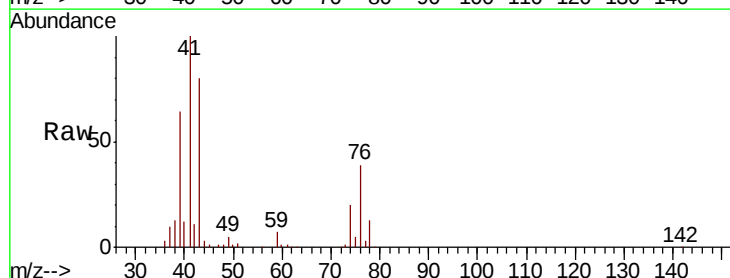
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

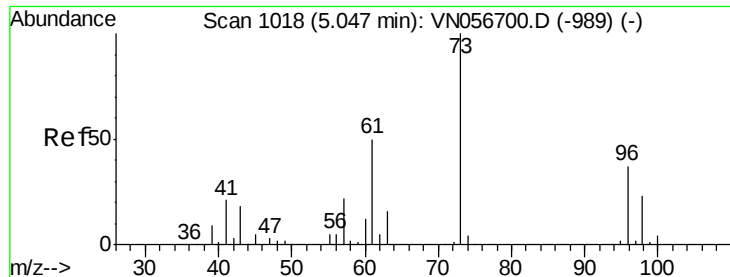
Tot Ion: 76 Resp: 358714
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 50.950 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 43 Resp: 177610
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3

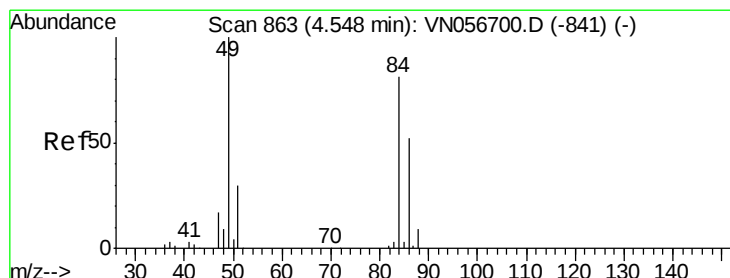
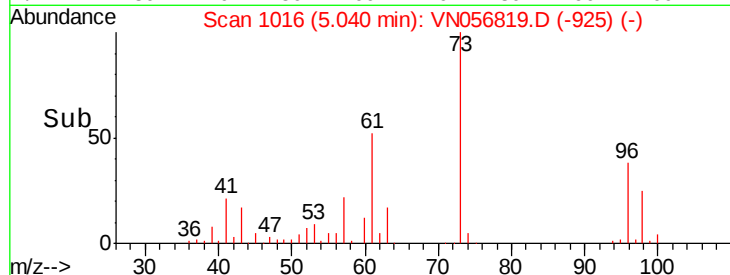
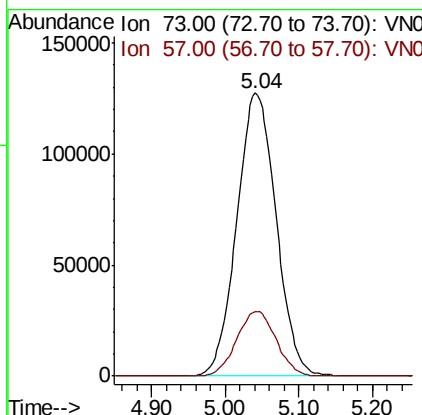
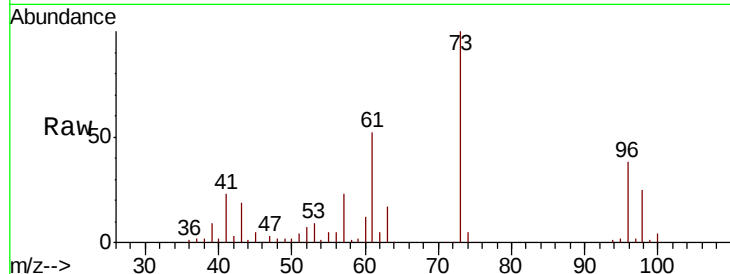




#19
Methyl tert-butyl Ether
Concen: 51.877 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

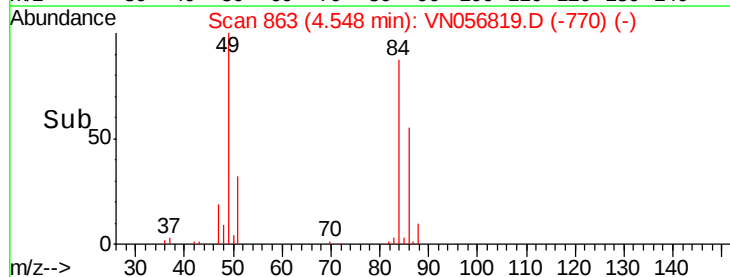
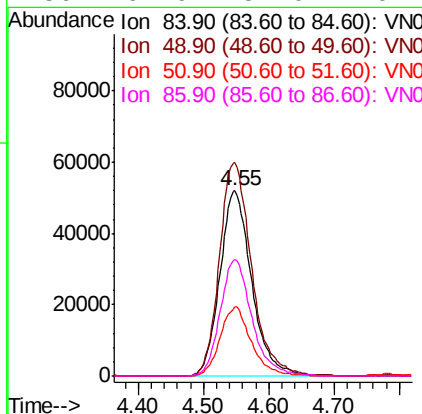
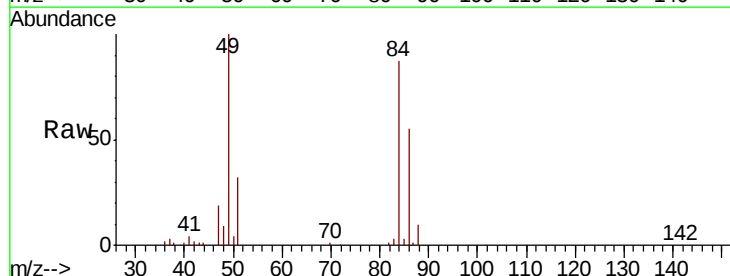
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

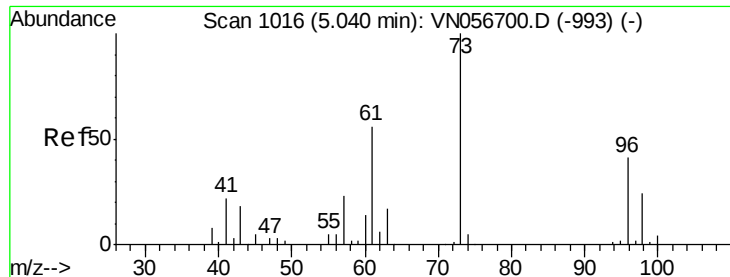
Tot Ion: 73 Resp: 473309
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 51.797 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 84 Resp: 175755
Ion Ratio Lower Upper
84 100
49 115.1 98.2 147.4
51 37.2 29.6 44.4
86 62.9 51.0 76.4

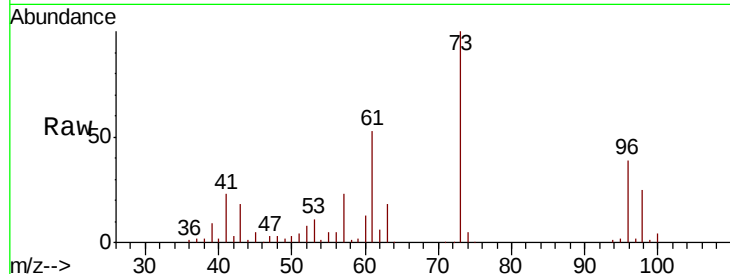




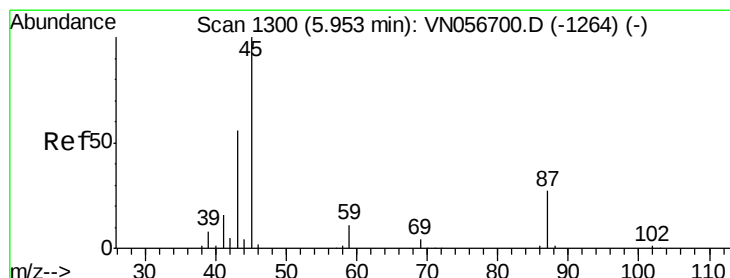
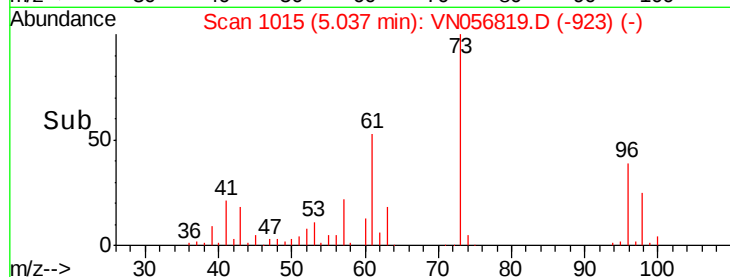
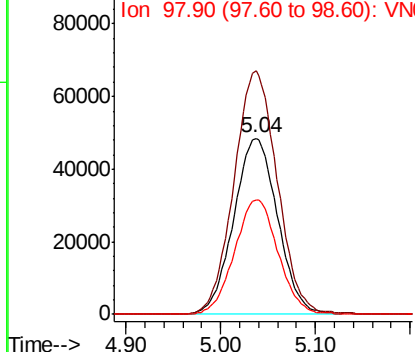
#21
trans-1,2-Dichloroethene
Concen: 51.621 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 156249
Ion Ratio Lower Upper
96 100
61 137.9 109.4 164.2
98 65.1 48.0 72.0

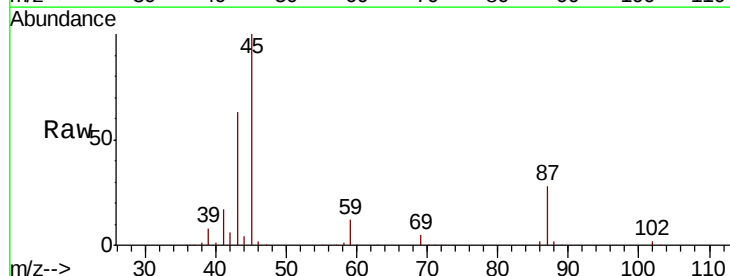


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

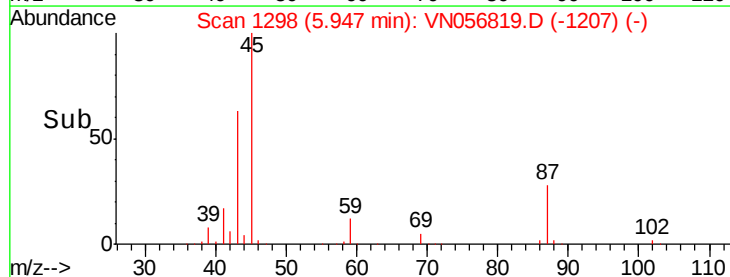
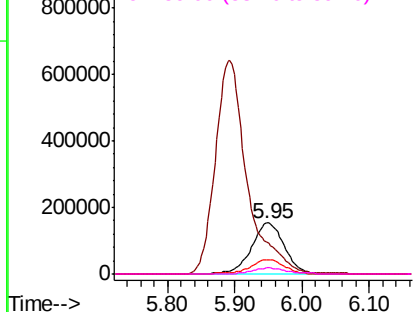


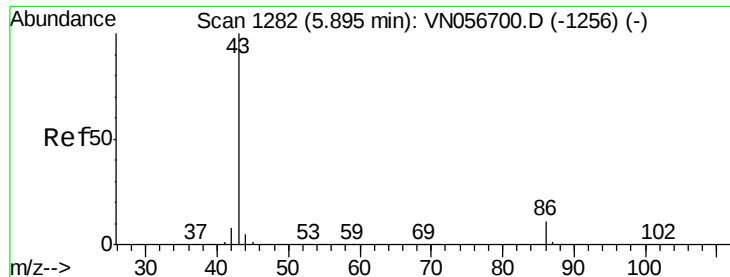
#22
Diisopropyl ether
Concen: 53.228 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 45 Resp: 520286
Ion Ratio Lower Upper
45 100
43 61.6 45.6 68.4
87 28.3 22.0 33.0
59 11.5 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: 267.658 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

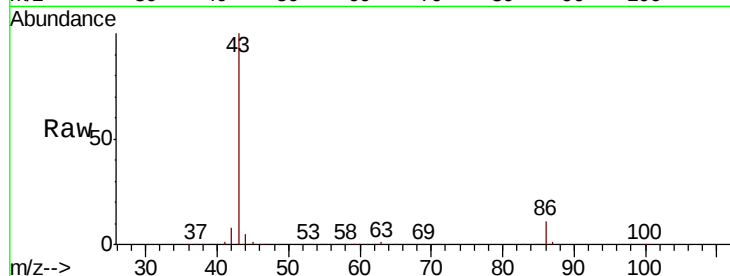
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2120064

Ion Ratio Lower Upper

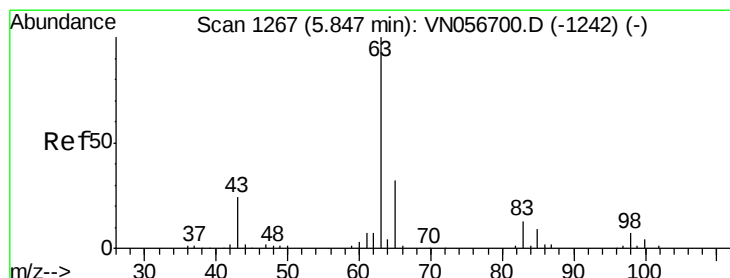
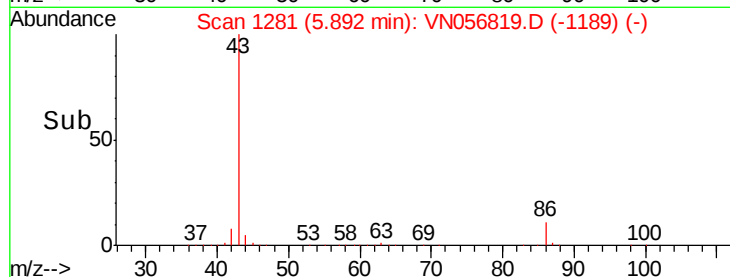
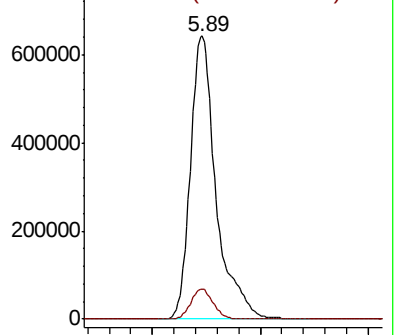
43 100

86 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.556 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

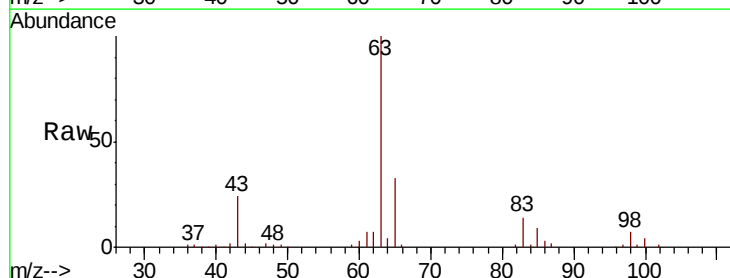
Tgt Ion: 63 Resp: 292174

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

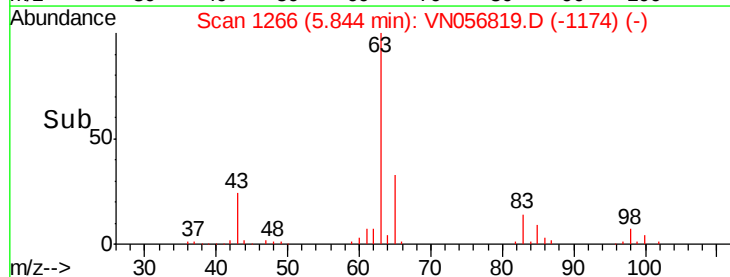
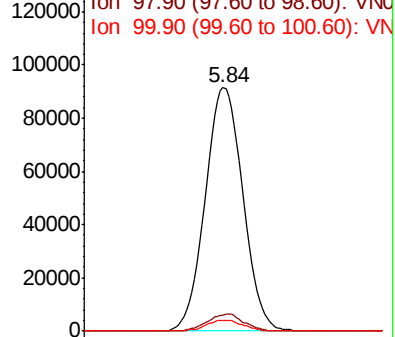
100 4.5 2.0 5.8

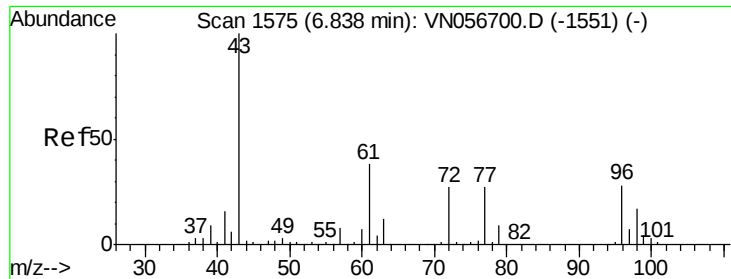


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 254.129 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

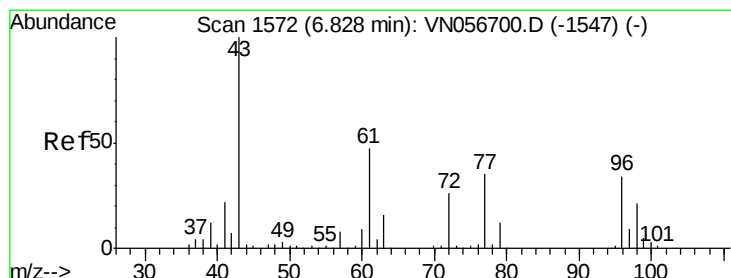
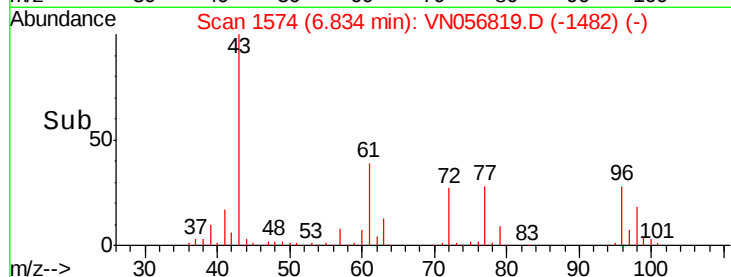
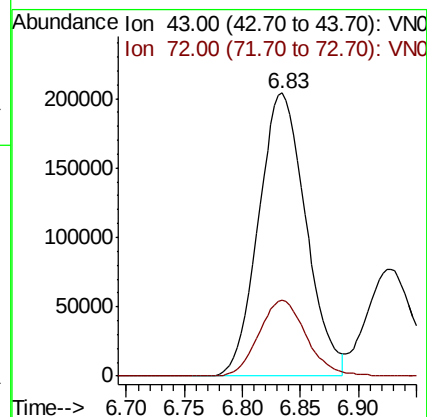
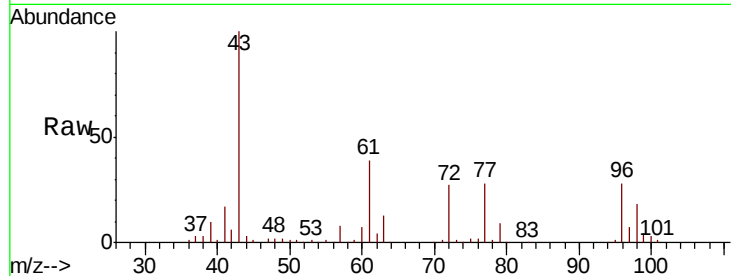
VSTDCCC050

Tot Ion: 43 Resp: 576884

Ion Ratio Lower Upper

43 100

72 26.9 21.2 31.8



#26

2,2-Dichloropropane

Concen: 53.220 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056819.D

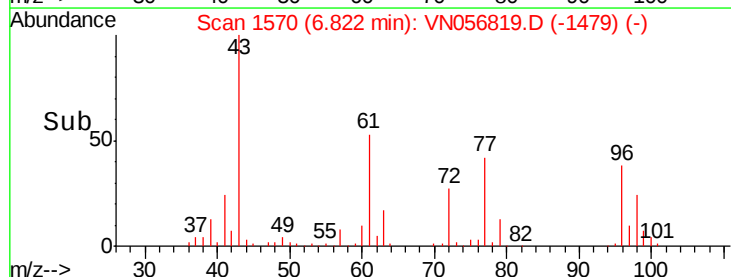
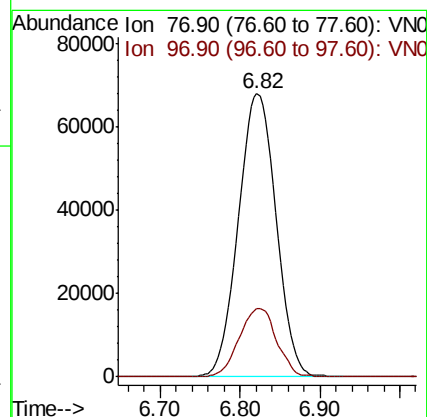
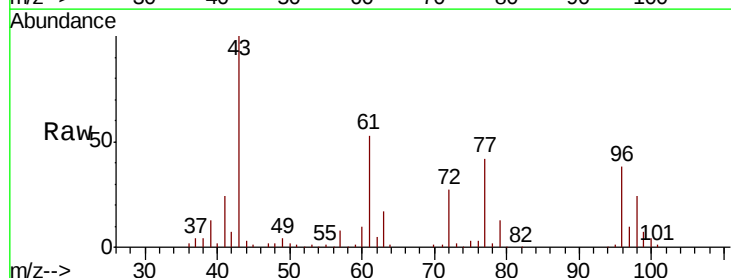
Acq: 19 Jul 2019 10:07

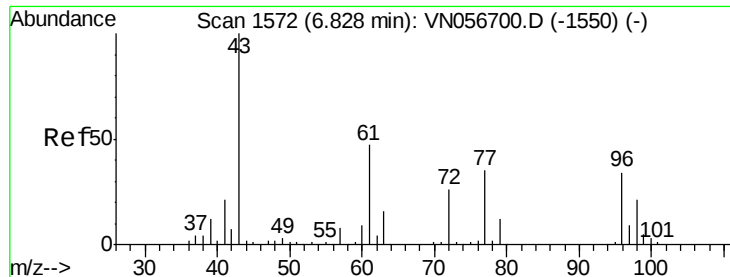
Tgt Ion: 77 Resp: 217469

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.129 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

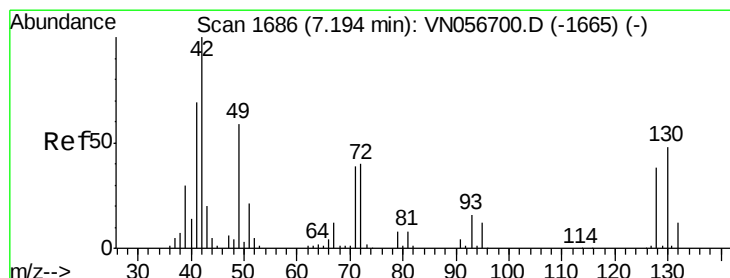
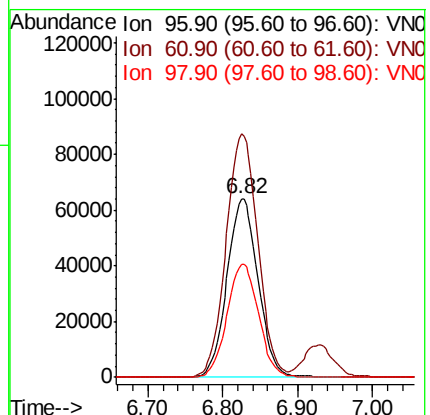
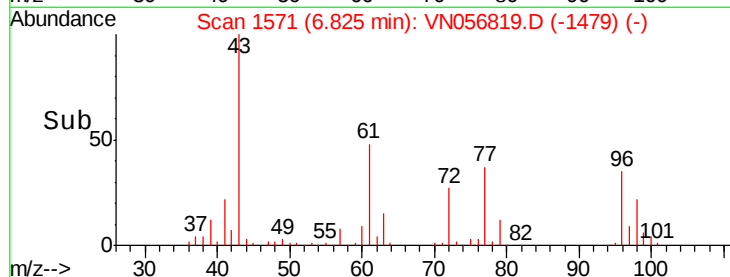
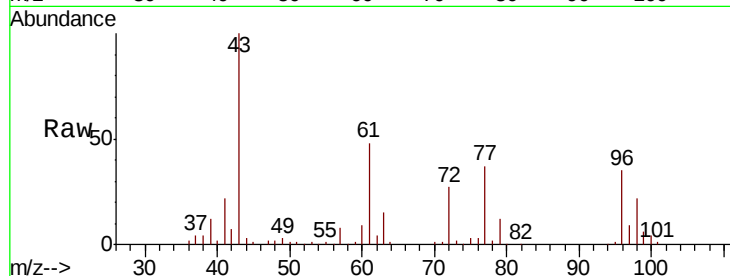
Tot Ion: 96 Resp: 185042

Ion Ratio Lower Upper

96 100

61 138.9 0.0 281.4

98 64.2 0.0 127.8



#28

Bromochloromethane

Concen: 47.589 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

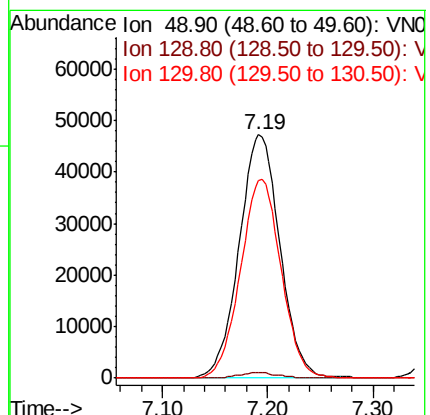
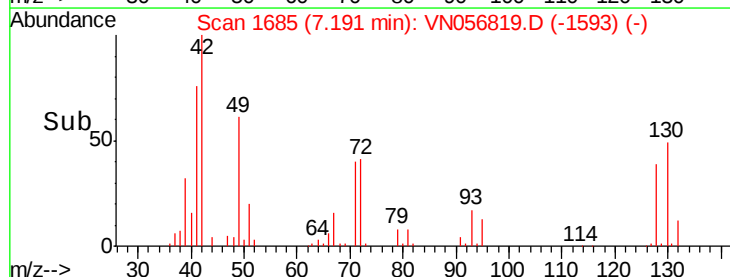
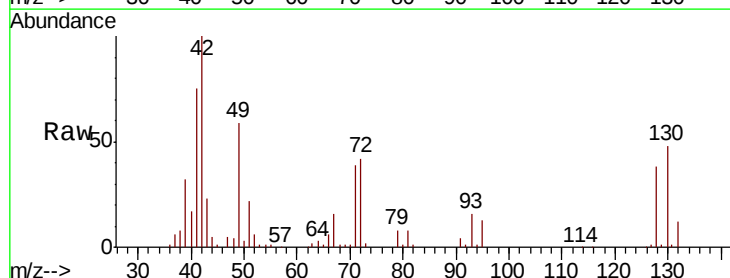
Tgt Ion: 49 Resp: 126803

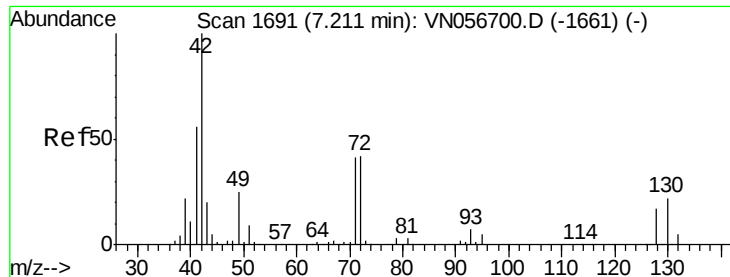
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 81.5 64.7 97.1





#29

Tetrahydrofuran

Concen: 251.969 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

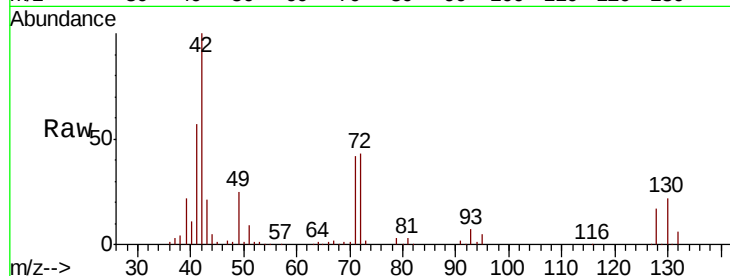
Tot Ion: 42 Resp: 373063

Ion Ratio Lower Upper

42 100

72 43.1 33.5 50.3

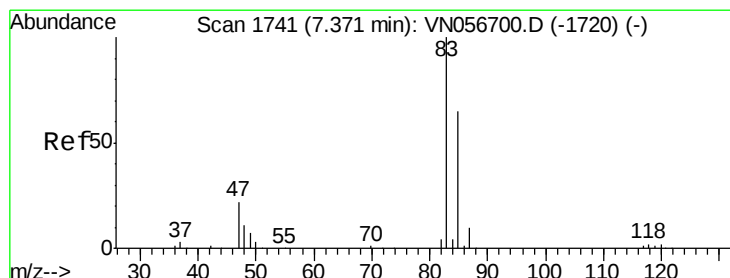
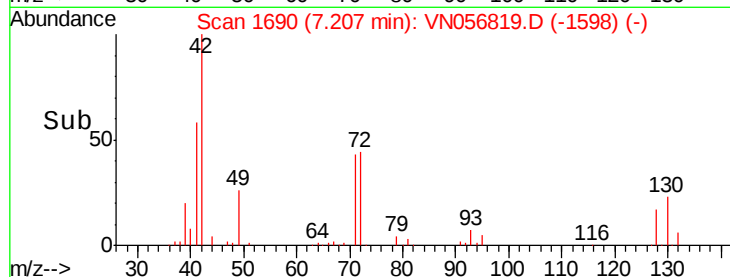
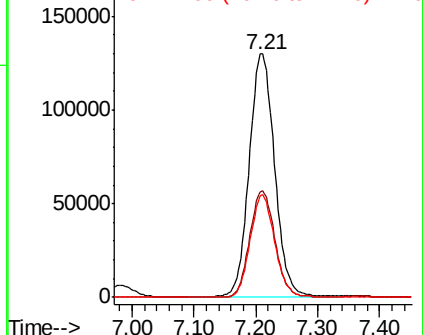
71 40.4 31.8 47.8



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: 51.419 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN056819.D

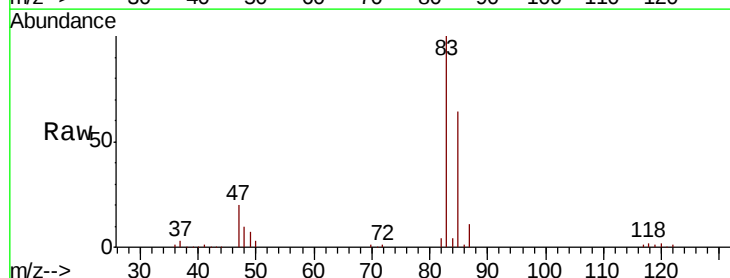
Acq: 19 Jul 2019 10:07

Tgt Ion: 83 Resp: 291595

Ion Ratio Lower Upper

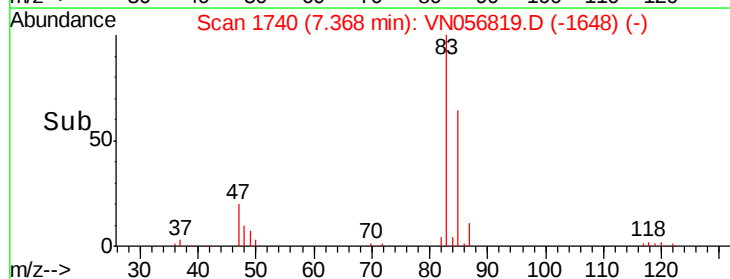
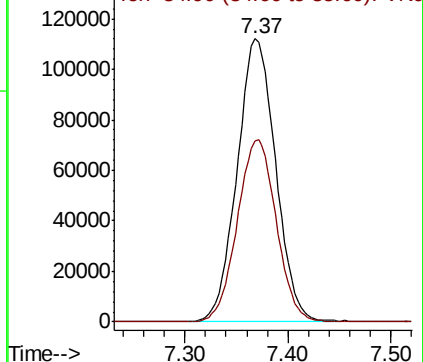
83 100

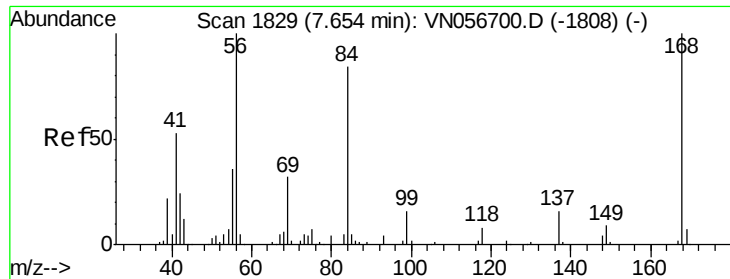
85 63.9 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

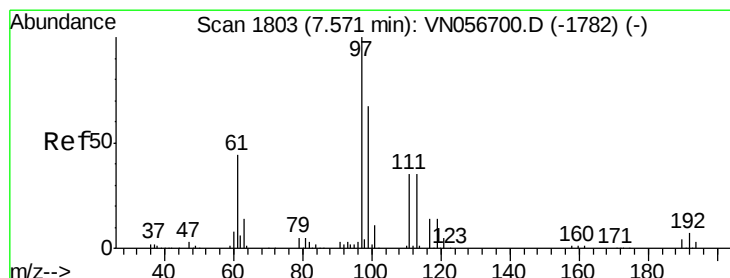
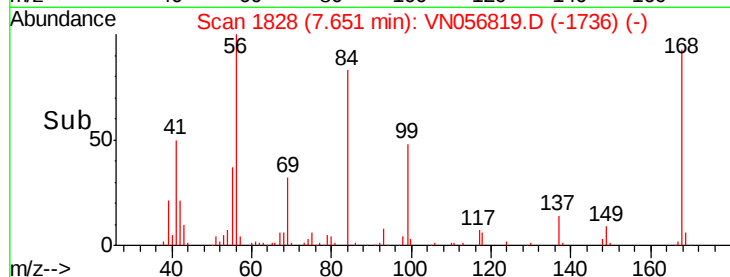
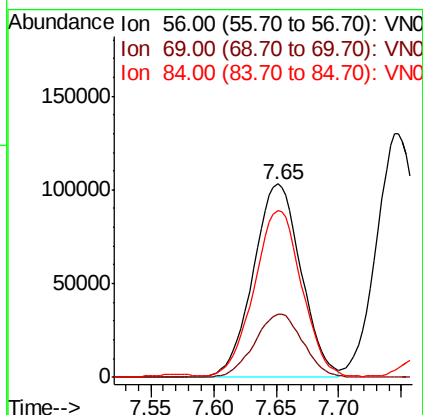
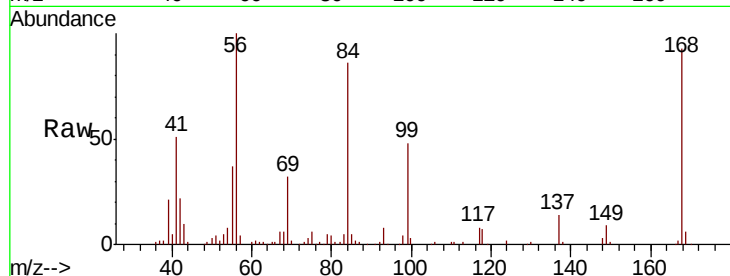




#31
Cyclohexane
Concen: 50.829 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

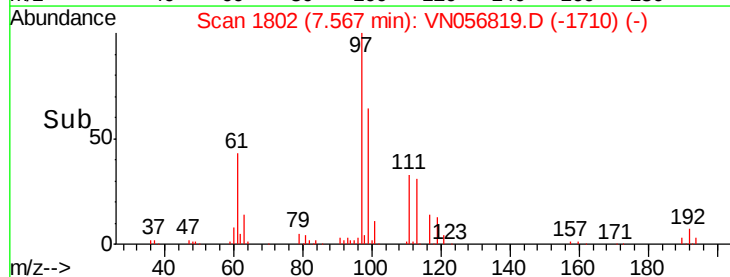
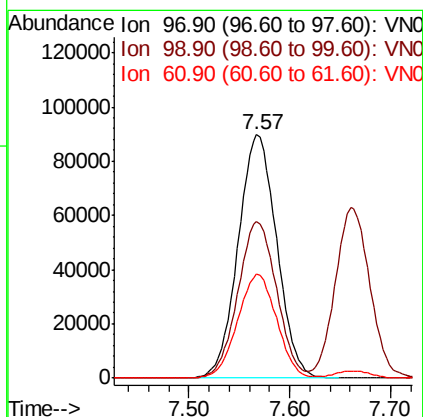
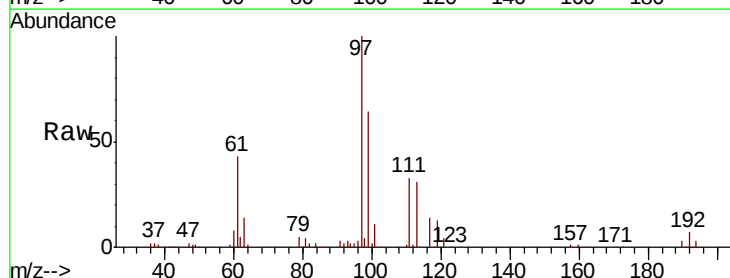
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

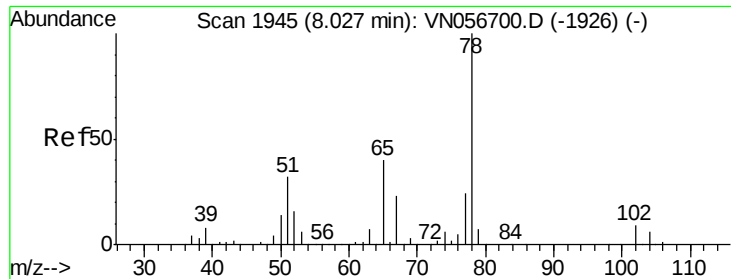
Tot Ion: 56 Resp: 273785
Ion Ratio Lower Upper
56 100
69 32.5 25.8 38.8
84 85.0 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 53.102 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 97 Resp: 238154
Ion Ratio Lower Upper
97 100
99 64.7 52.0 78.0
61 43.2 34.3 51.5

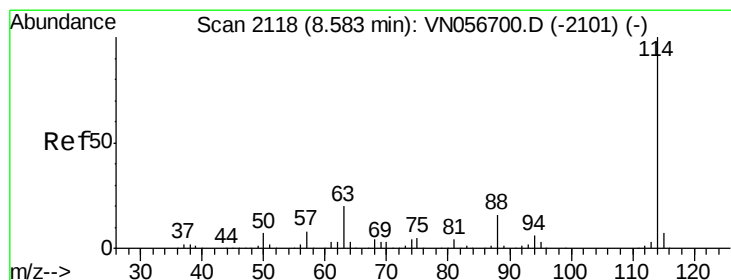
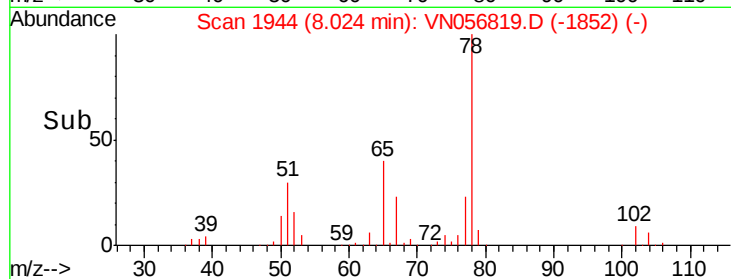
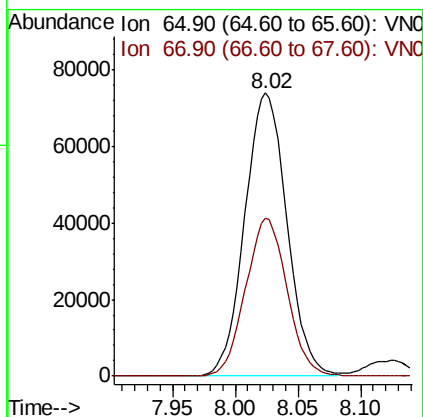
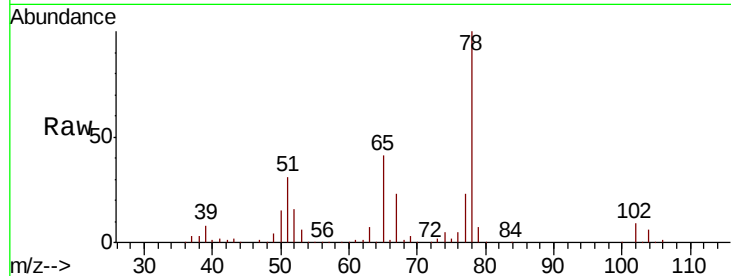




#33
 1,2-Dichloroethane-d4
 Concen: 51.221 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

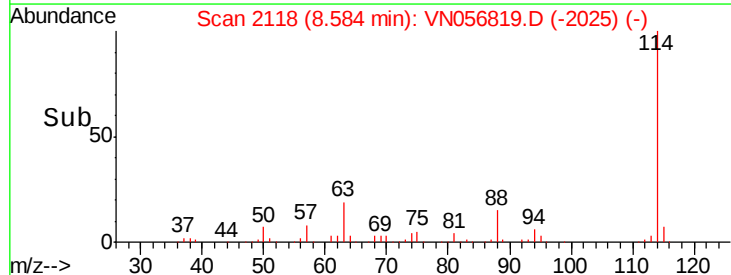
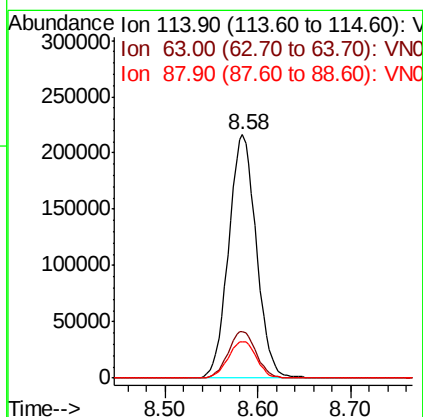
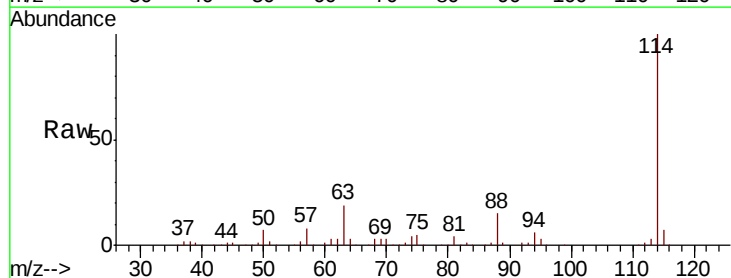
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

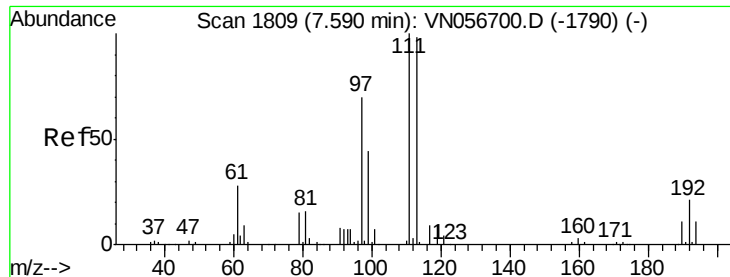
Tot Ion: 65 Resp: 172582
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion: 114 Resp: 447464
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 15.1 0.0 31.2

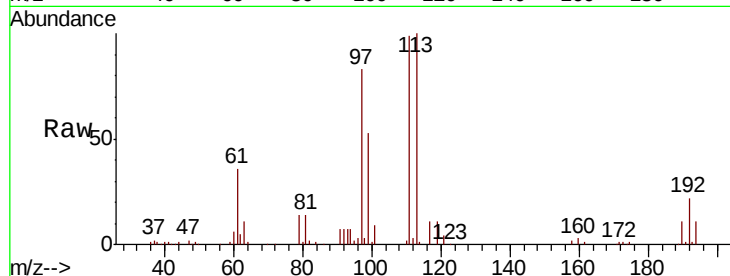




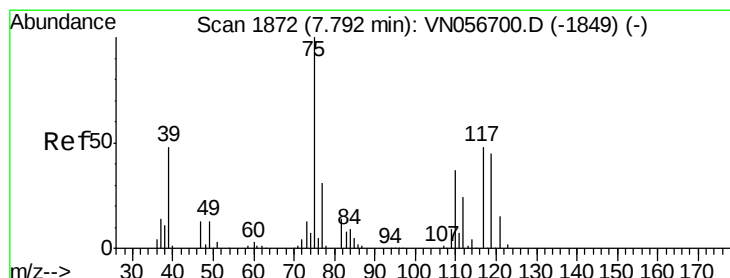
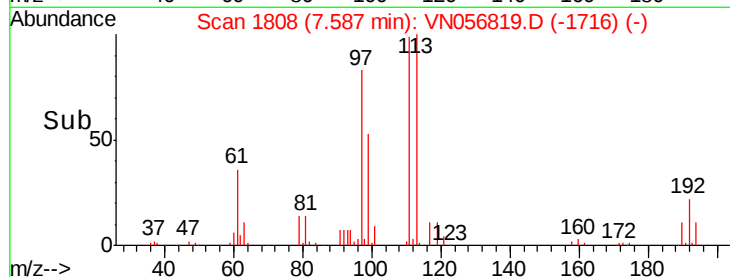
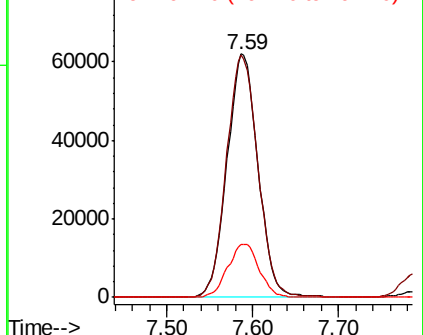
#35
Dibromofluoromethane
Concen: 55.594 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 154811
Ion Ratio Lower Upper
113 100
111 100.7 81.8 122.6
192 22.2 17.5 26.3

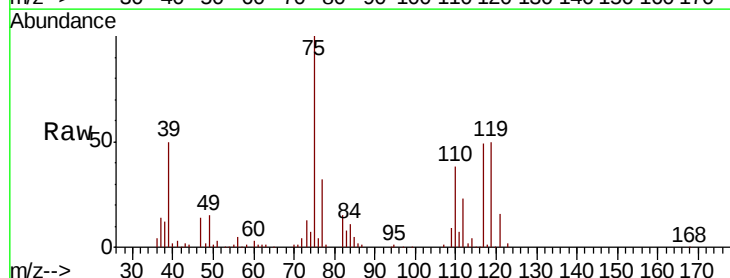


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

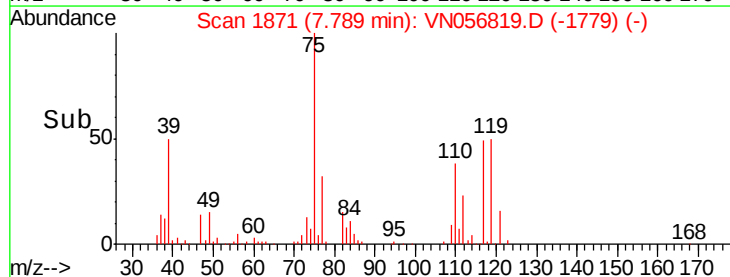
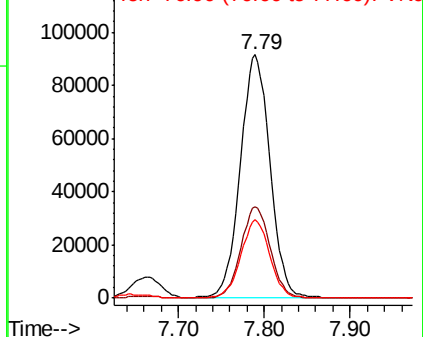


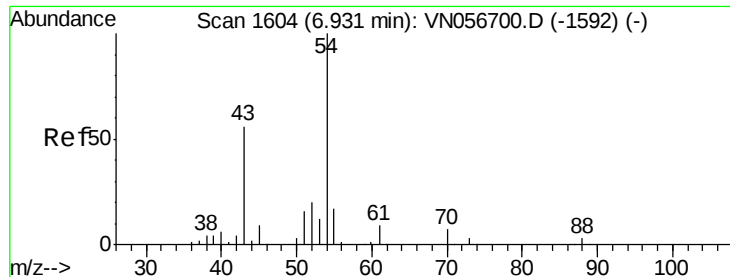
#36
1,1-Dichloropropene
Concen: 52.831 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 75 Resp: 218755
Ion Ratio Lower Upper
75 100
110 37.1 18.4 55.4
77 31.6 24.6 36.8



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

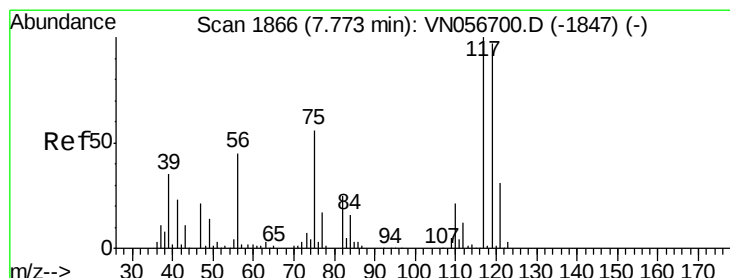
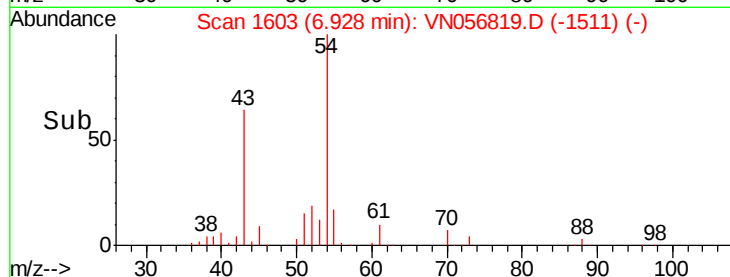
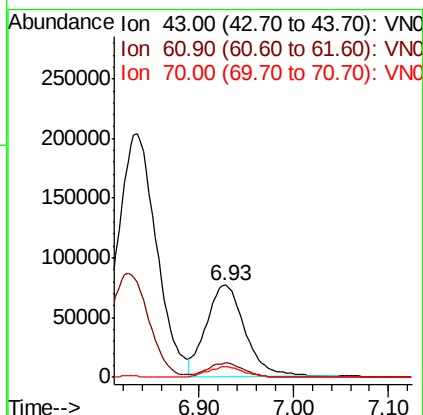
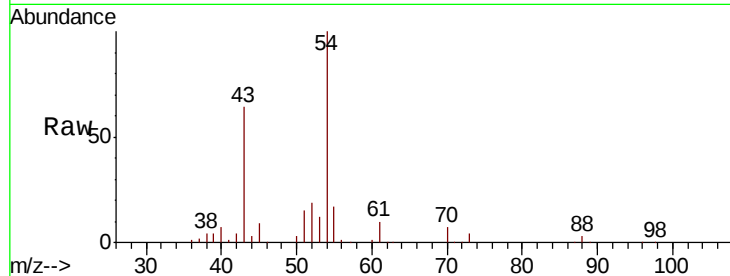




#37
Ethyl Acetate
Concen: 53.767 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

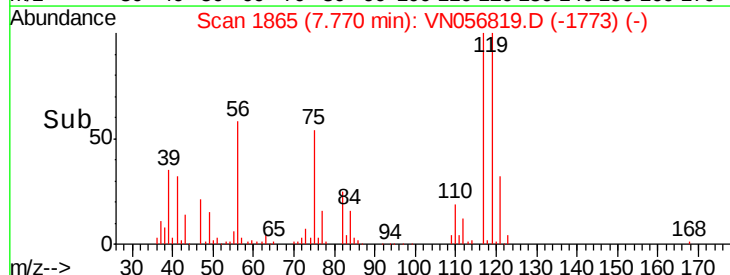
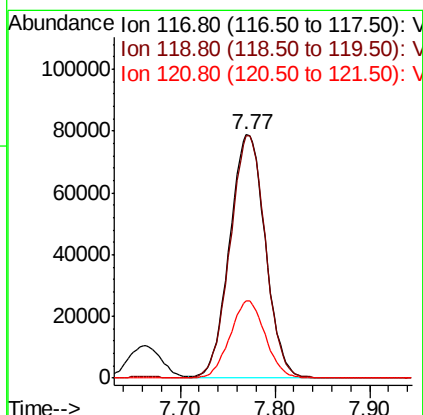
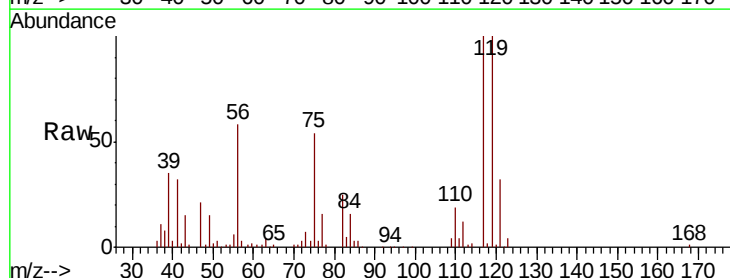
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

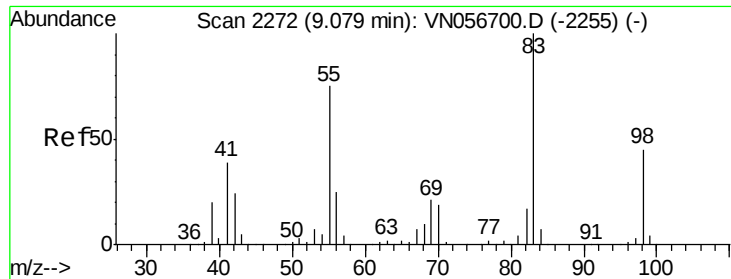
Tot Ion: 43 Resp: 219423
Ion Ratio Lower Upper
43 100
61 15.3 11.3 16.9
70 11.0 8.5 12.7



#38
Carbon Tetrachloride
Concen: 53.304 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 117 Resp: 206986
Ion Ratio Lower Upper
117 100
119 99.5 77.5 116.3
121 31.7 24.7 37.1

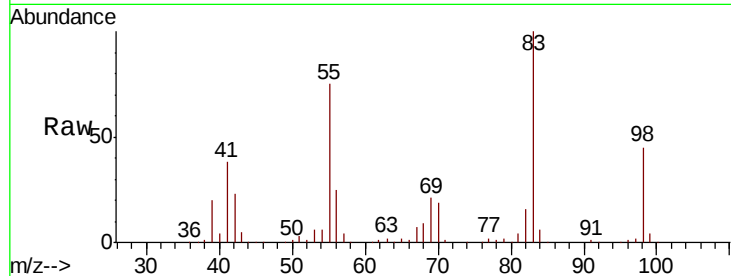




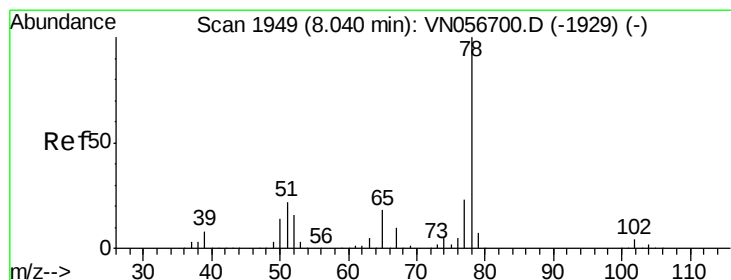
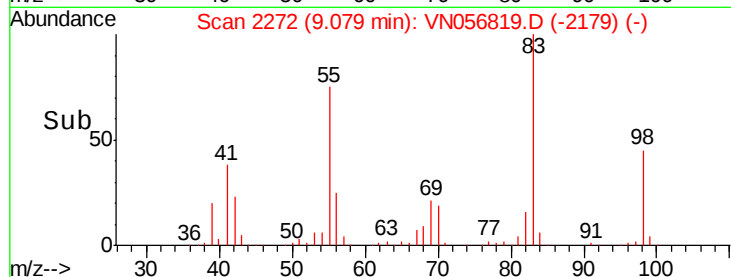
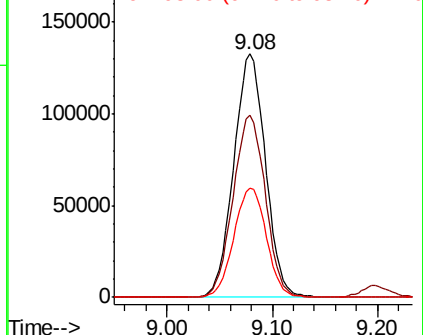
#39
Methvlcvclohexane
Concen: 54.275 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 277492
Ion Ratio Lower Upper
83 100
55 74.7 60.4 90.6
98 44.7 35.8 53.8

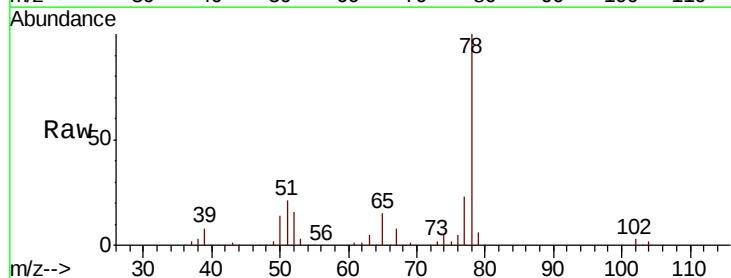


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

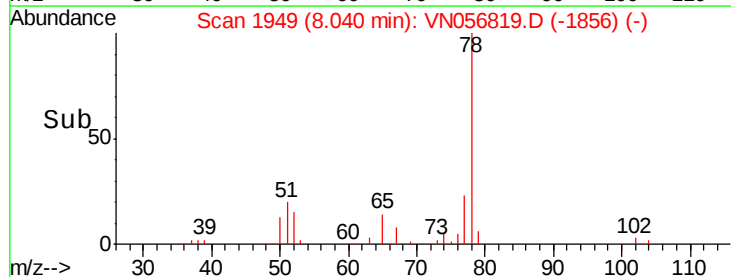
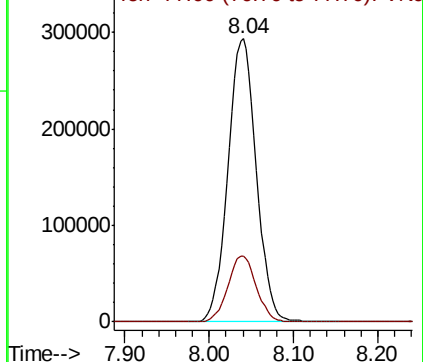


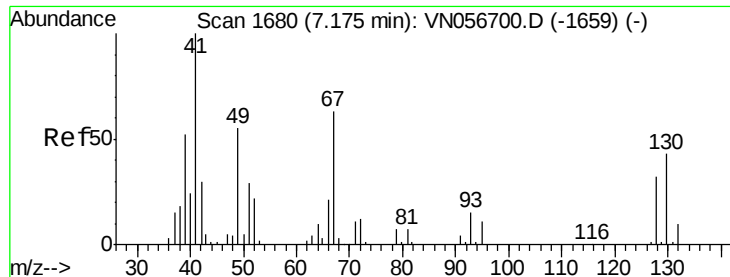
#40
Benzene
Concen: 53.914 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 78 Resp: 684020
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8



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

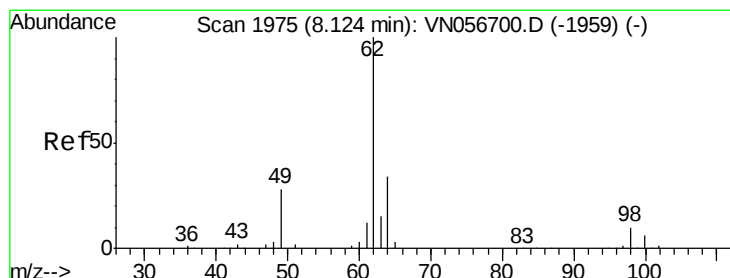
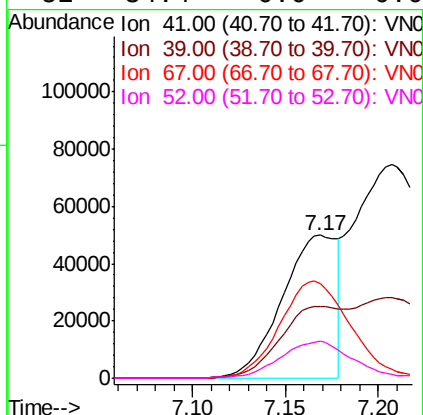
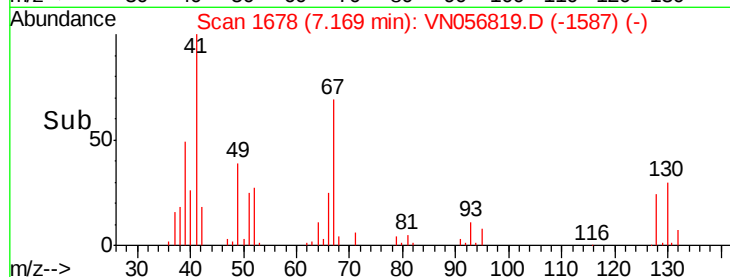
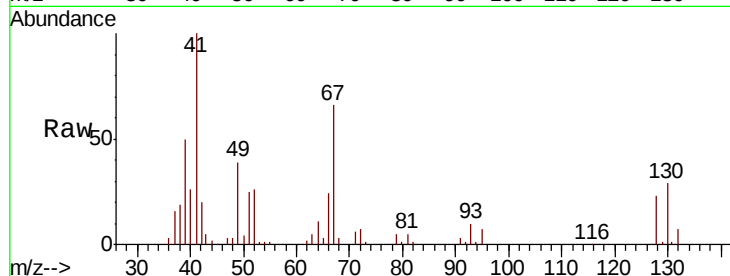




#41
Methacrylonitrile
Concen: 57.696 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

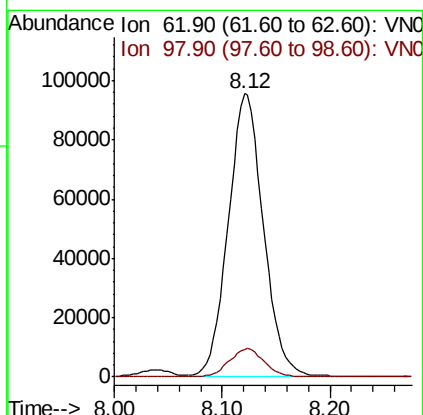
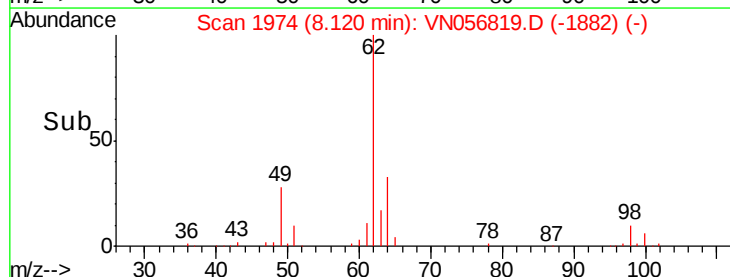
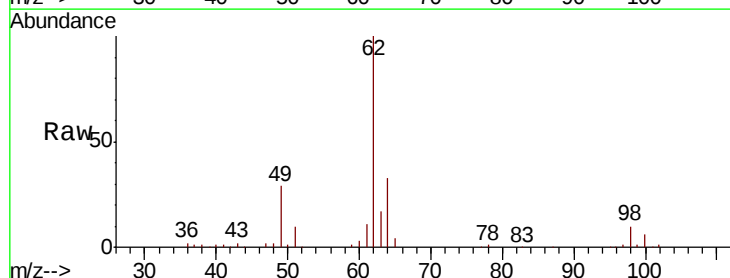
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

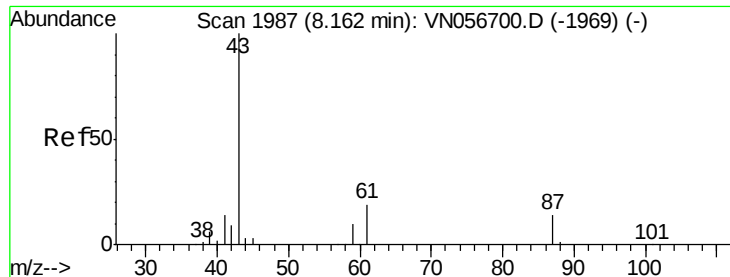
Tot Ion: 41 Resp: 103427
Ion Ratio Lower Upper
41 100
39 56.1 0.0 0.0#
67 87.7 0.0 0.0#
52 34.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 53.822 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 62 Resp: 215813
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 53.713 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

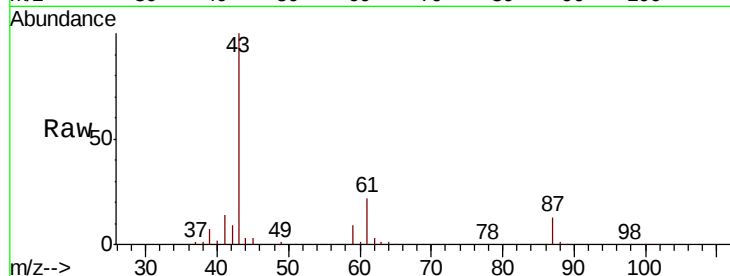
Tot Ion: 43 Resp: 344607

Ion Ratio Lower Upper

43 100

61 28.3 22.3 33.5

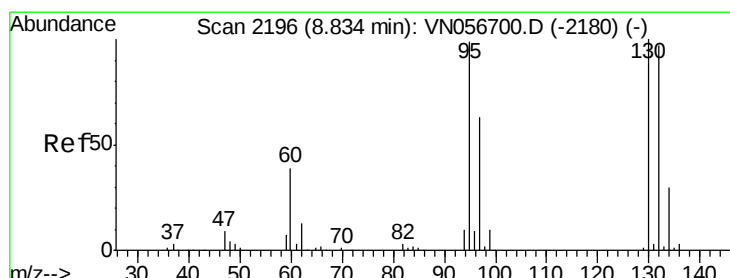
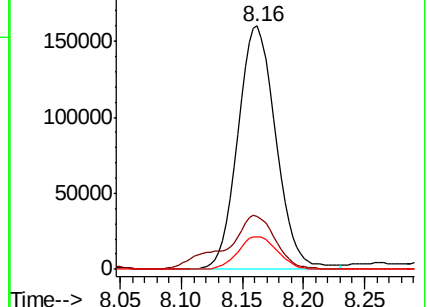
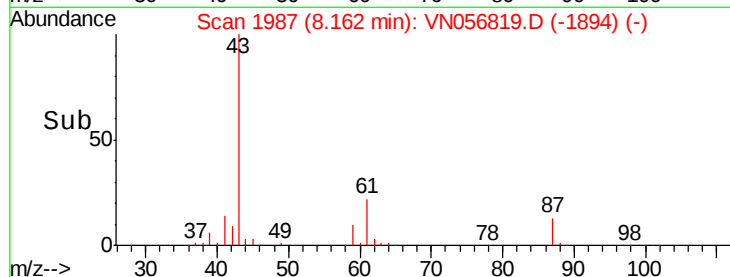
87 14.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056819.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN056819.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN056819.D (-1894) (-)



#44

Trichloroethene

Concen: 55.026 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056819.D

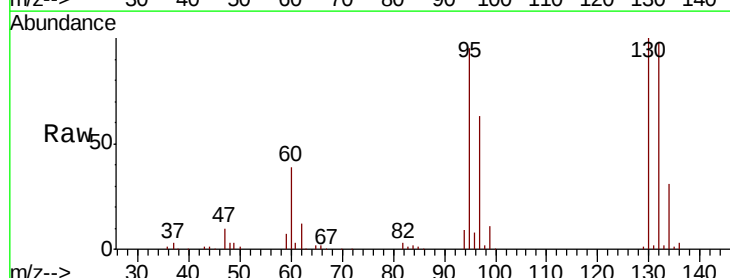
Acq: 19 Jul 2019 10:07

Tgt Ion: 130 Resp: 189581

Ion Ratio Lower Upper

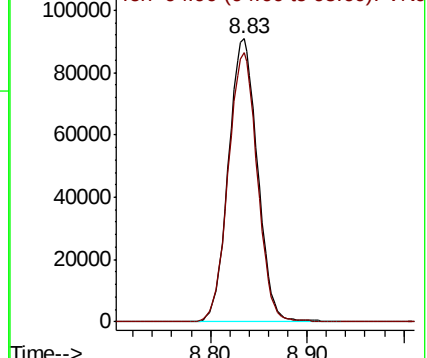
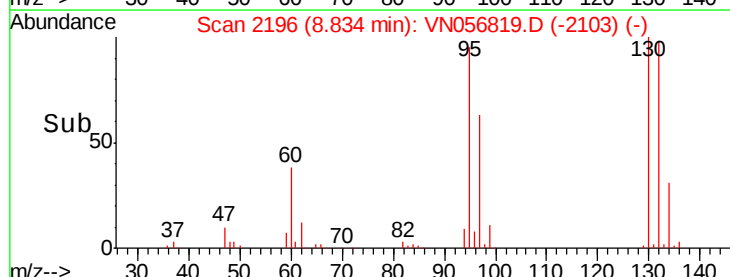
130 100

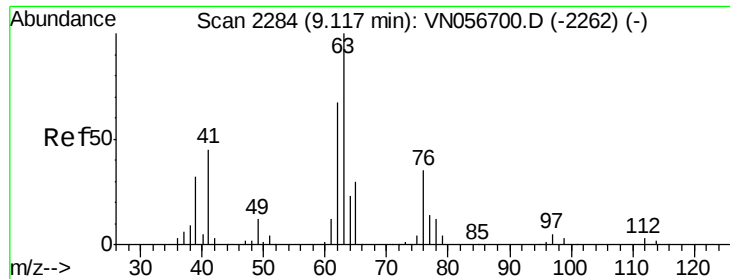
95 94.9 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056819.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056819.D (-2103) (-)

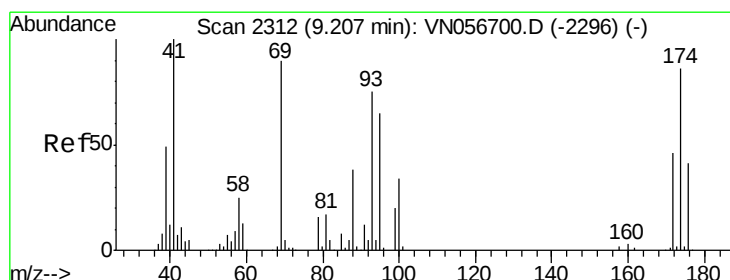
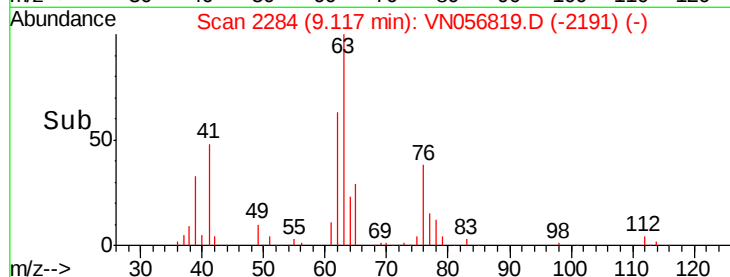
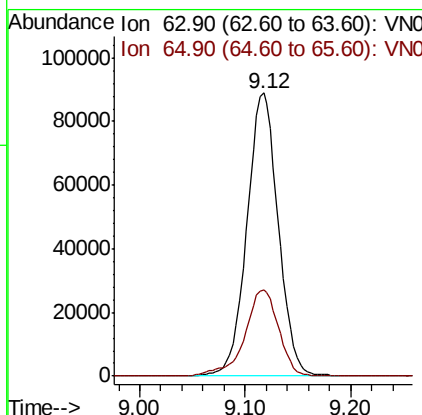
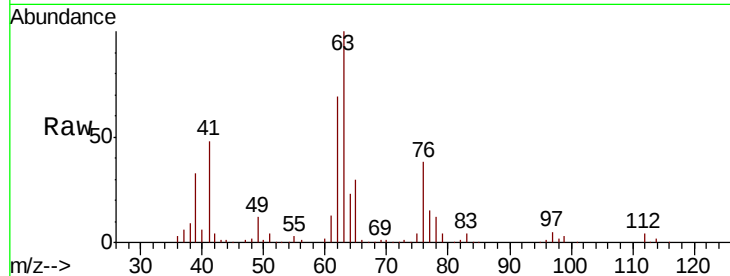




#45
 1,2-Dichloropropane
 Concen: 54.612 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

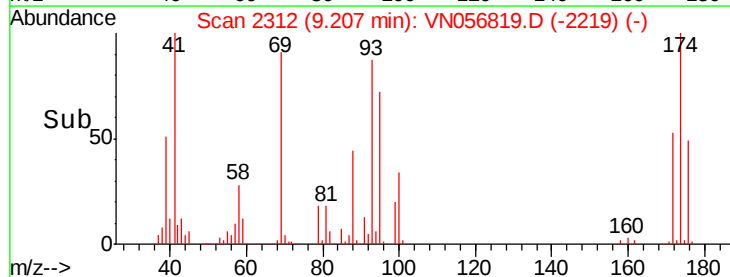
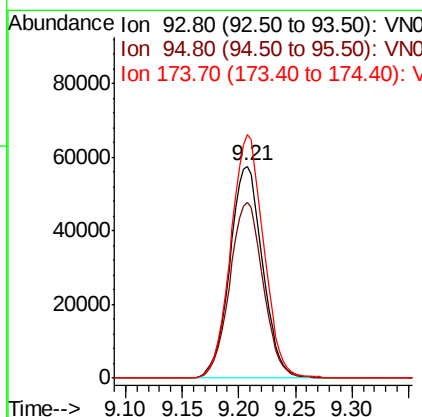
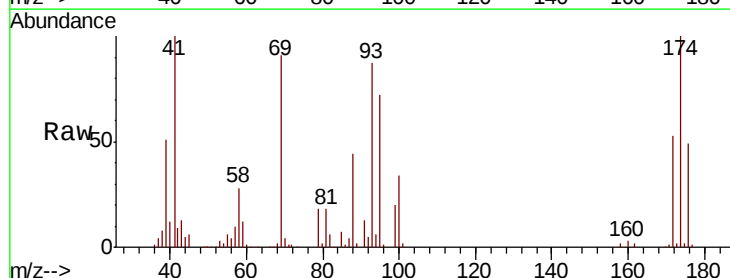
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

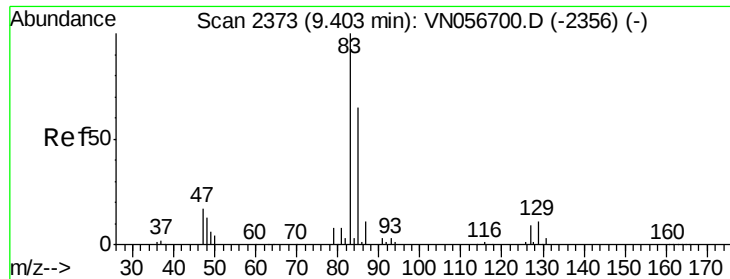
Tot Ion: 63 Resp: 184107
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.0 36.0



#46
 Dibromomethane
 Concen: 55.664 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion: 93 Resp: 116289
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.4 101.0
 174 115.0 90.3 135.5





#47

Bromodichloromethane

Concen: 55.826 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

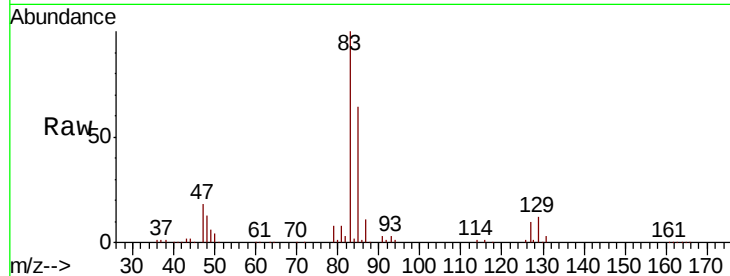
Tot Ion: 83 Resp: 221625

Ion Ratio Lower Upper

83 100

85 64.4 52.3 78.5

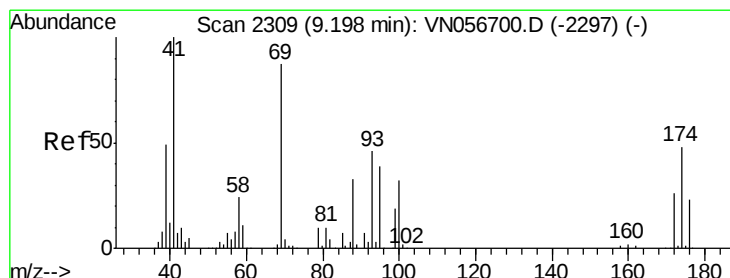
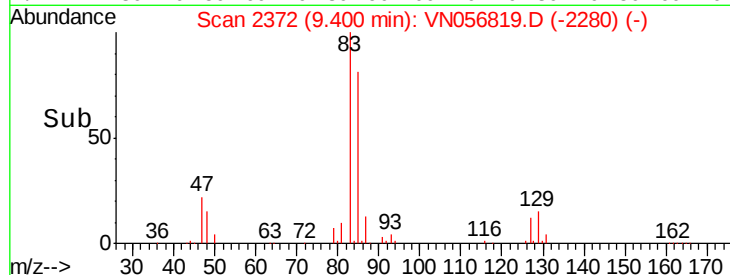
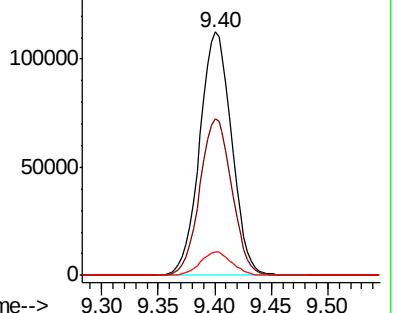
127 9.7 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN056819.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN056819.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN056819.D (-2356) (-)



#48

Methyl methacrylate

Concen: 54.223 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

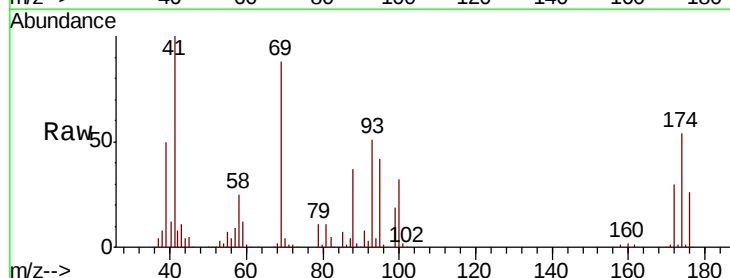
Tgt Ion: 41 Resp: 168240

Ion Ratio Lower Upper

41 100

69 91.2 71.4 107.0

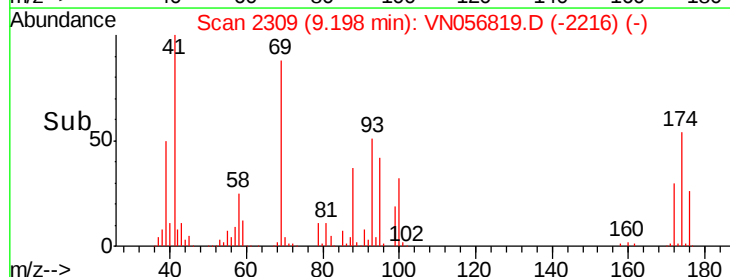
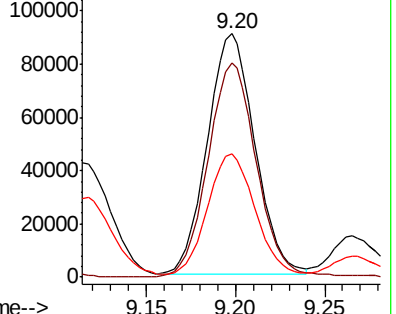
39 52.1 41.2 61.8

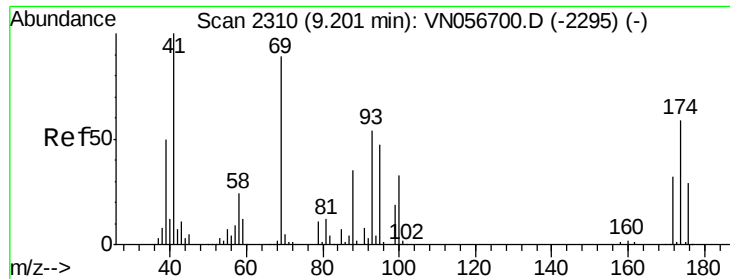


Abundance Ion 41.00 (40.70 to 41.70): VN056819.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056819.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056819.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1174.548 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

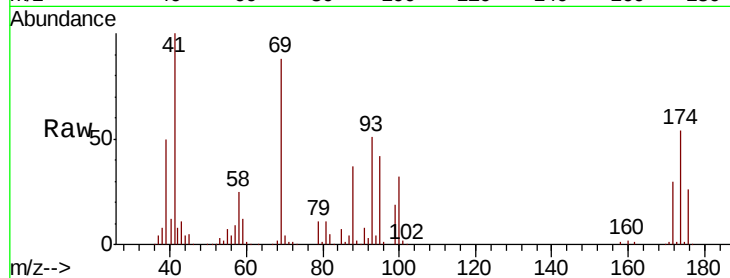
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 74777

Ion	Ratio	Lower	Upper
88	100		
43	27.5	23.7	35.5
58	65.9	55.6	83.4



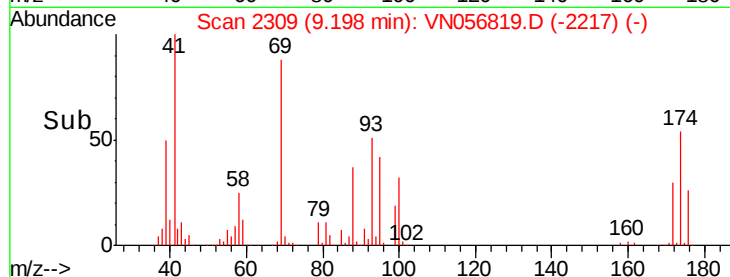
Abundance

Ion 88.00 (87.70 to 88.70): VN0

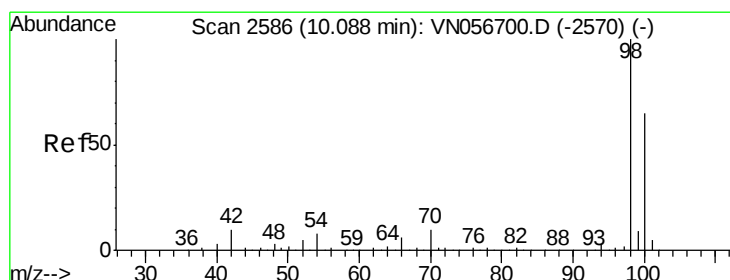
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Time-->



Time-->



#50

Toluene-d8

Concen: 54.682 ug/l

RT: 10.09 min Scan# 2586

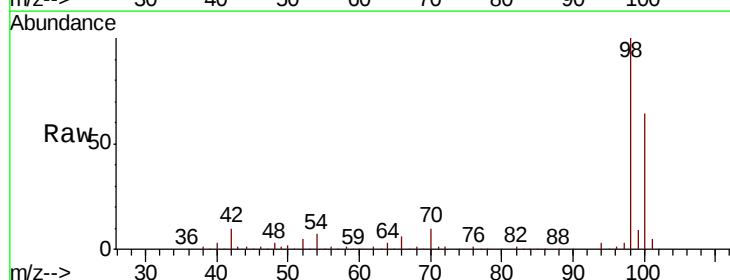
Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion: 98 Resp: 588104

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0

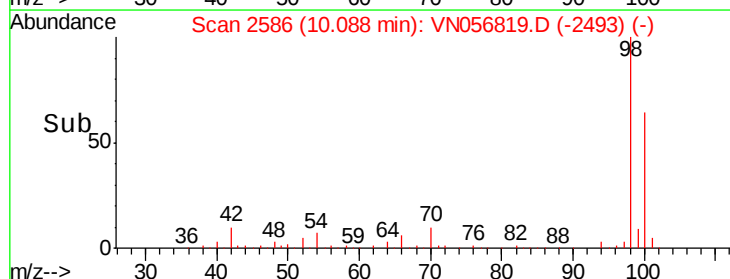


Abundance

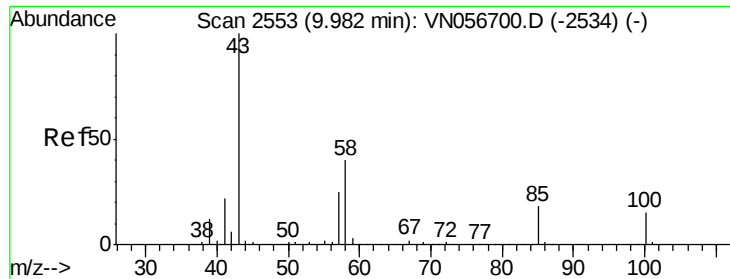
Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

Time-->



Time-->



#51

4-Methyl-2-Pentanone

Concen: 266.939 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

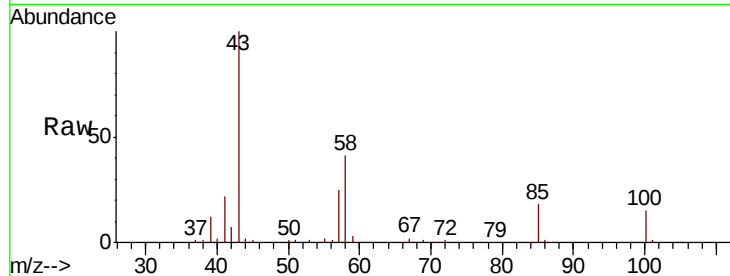
VSTDCCC050

Tot Ion: 43 Resp: 1109225

Ion Ratio Lower Upper

43 100

58 40.4 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN056700.D (-2534) (-)

9.98

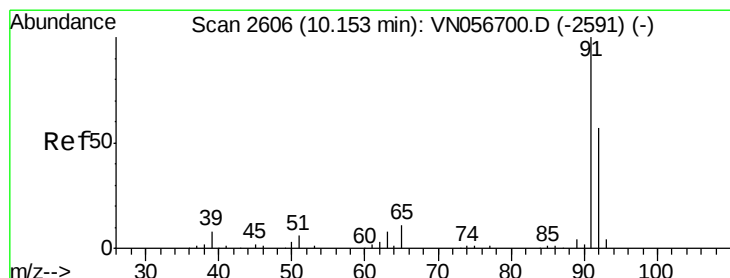
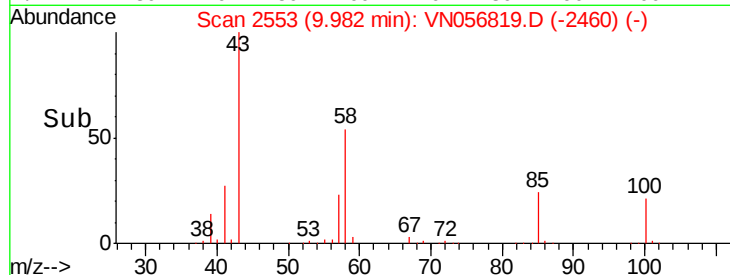
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 56.136 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056819.D

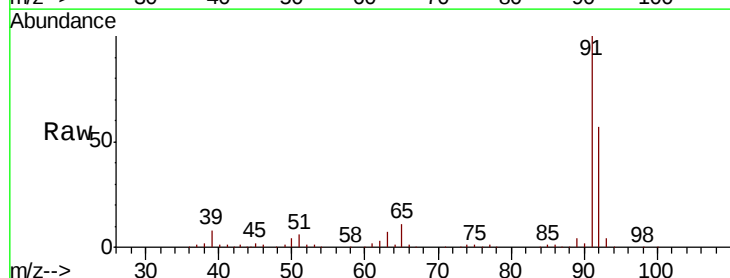
Acq: 19 Jul 2019 10:07

Tgt Ion: 92 Resp: 422966

Ion Ratio Lower Upper

92 100

91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN056700.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN056700.D (-2591) (-)

10.15

400000

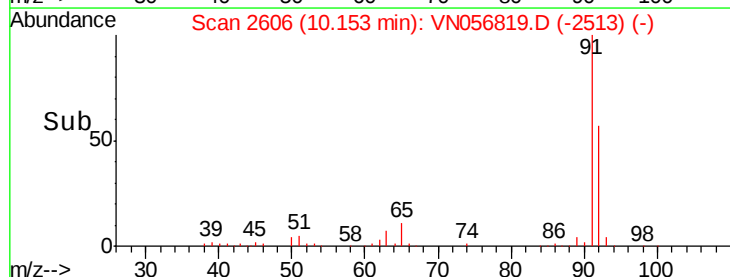
300000

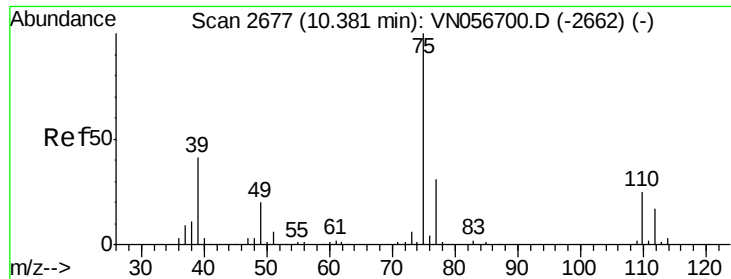
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.593 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

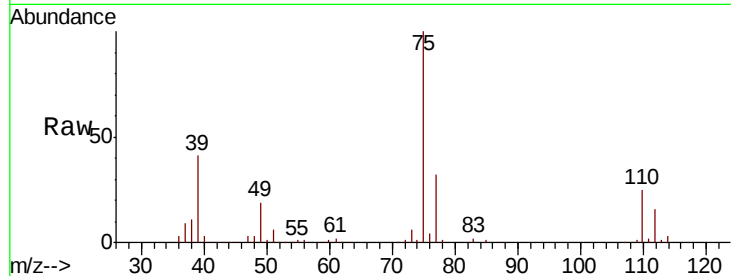
VSTDCCC050

Tot Ion: 75 Resp: 238543

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

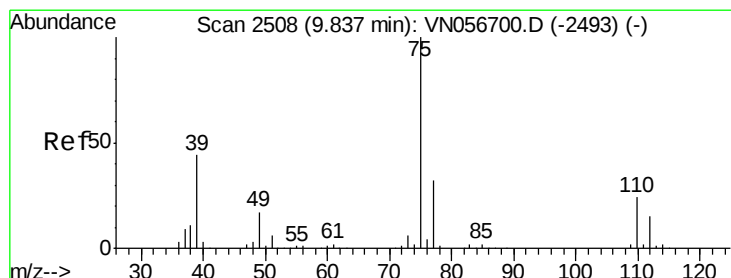
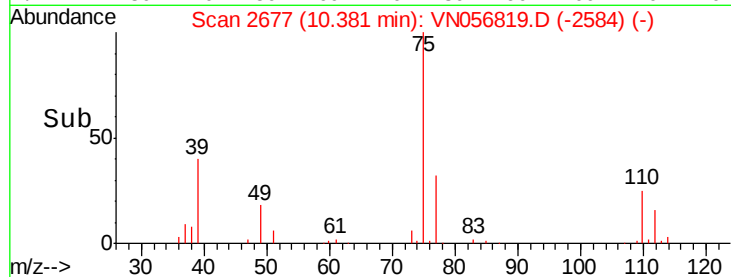
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.325 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

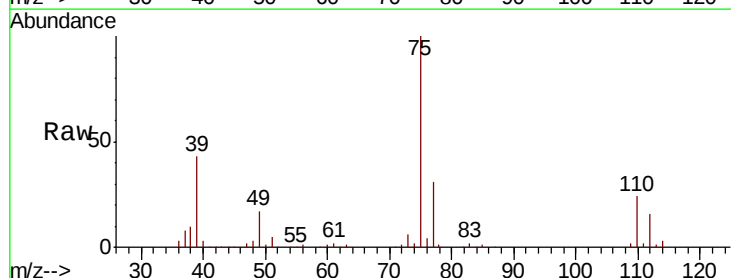
Tgt Ion: 75 Resp: 270716

Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0

39 42.7 35.1 52.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

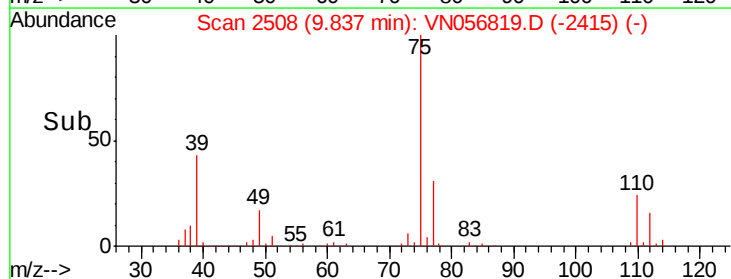
150000

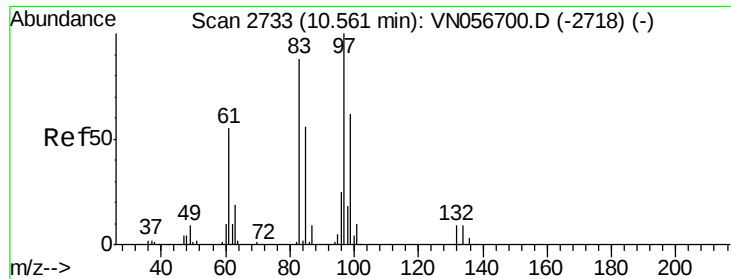
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 54.179 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 171221

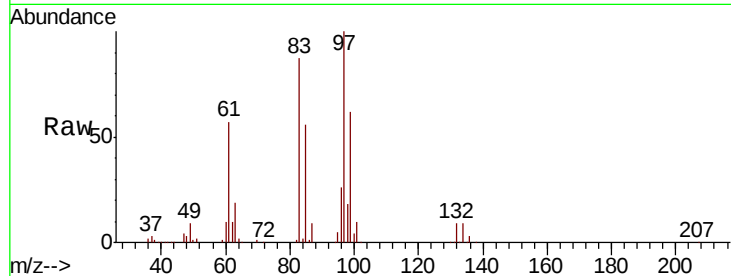
Ion Ratio Lower Upper

97 100

83 87.4 70.3 105.5

85 55.8 44.8 67.2

99 62.4 49.6 74.4



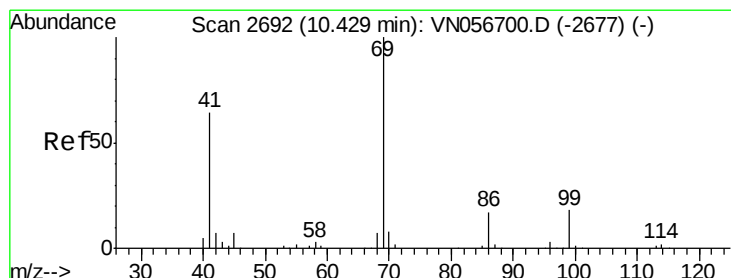
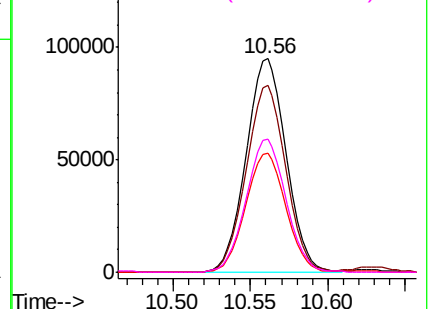
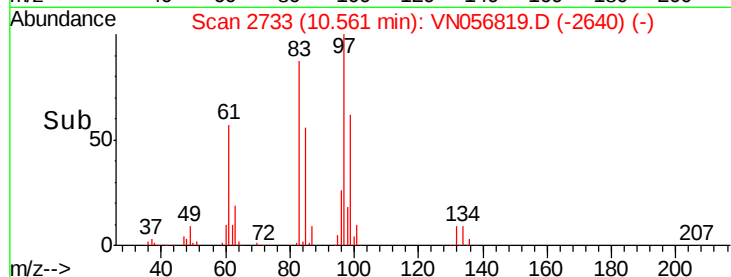
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 57.494 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

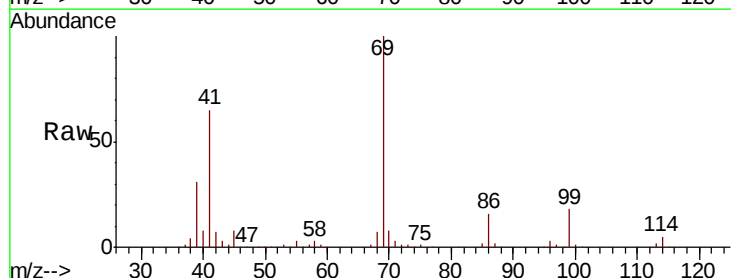
Tgt Ion: 69 Resp: 261436

Ion Ratio Lower Upper

69 100

41 63.3 51.0 76.4

39 30.1 24.6 36.8

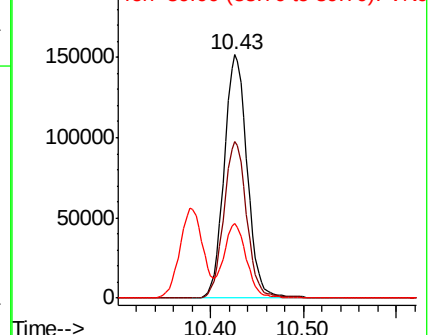
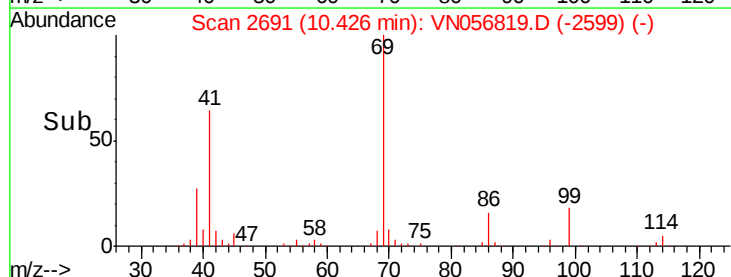


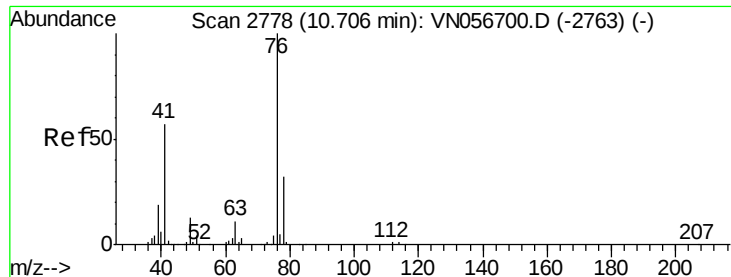
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

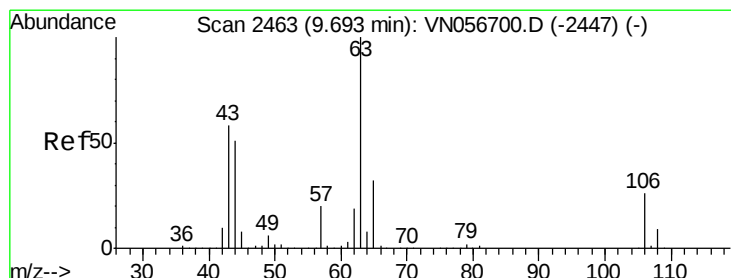
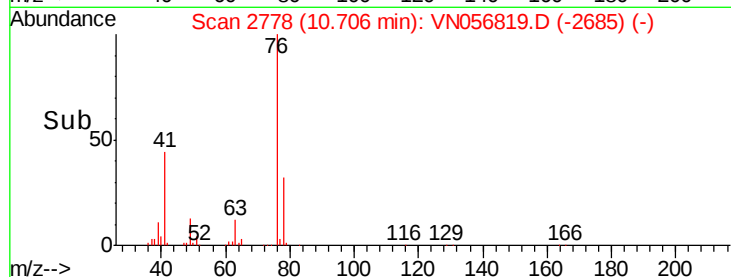
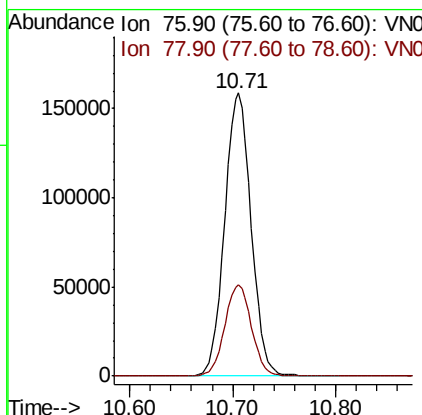
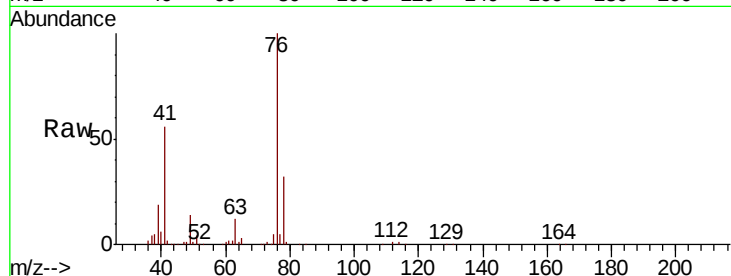




#57
 1,3-Dichloropropane
 Concen: 55.034 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

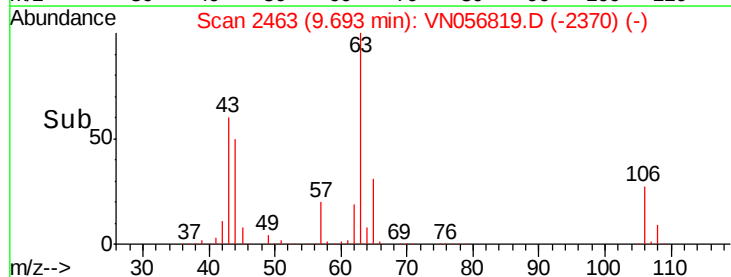
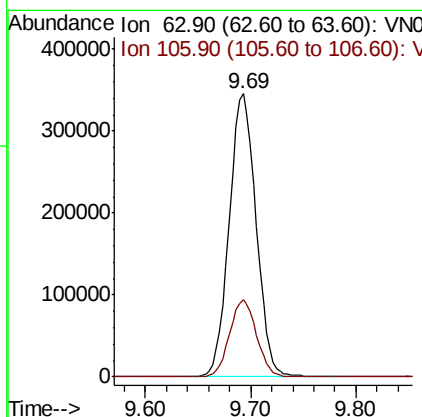
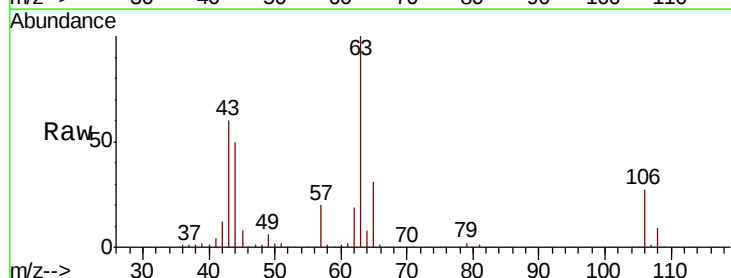
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

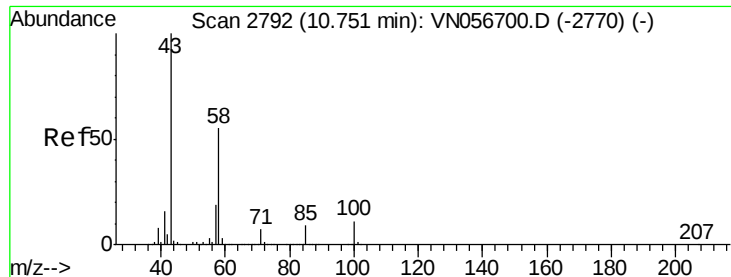
Tot Ion: 76 Resp: 284058
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.323 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion: 63 Resp: 610774
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.2 31.8

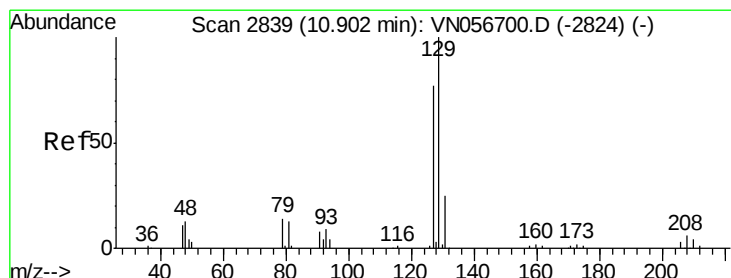
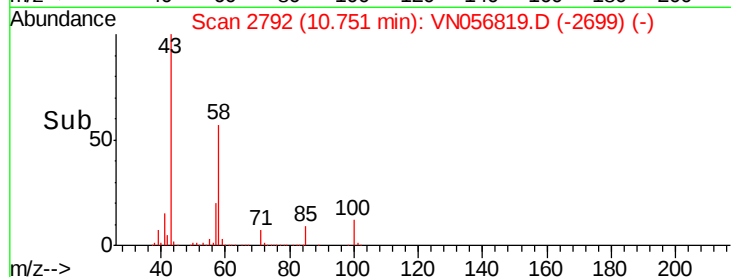
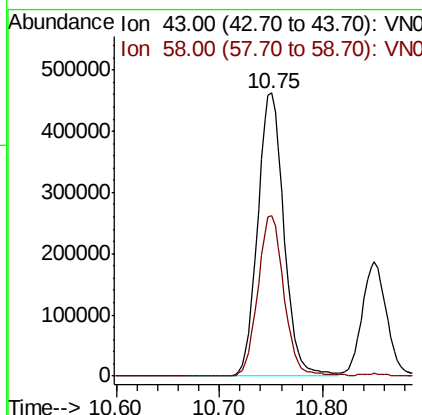
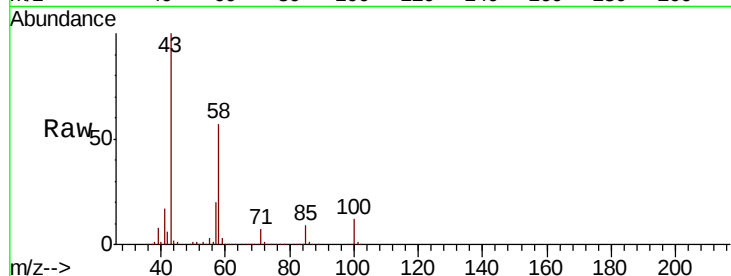




#59
2-Hexanone
Concen: 272.601 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

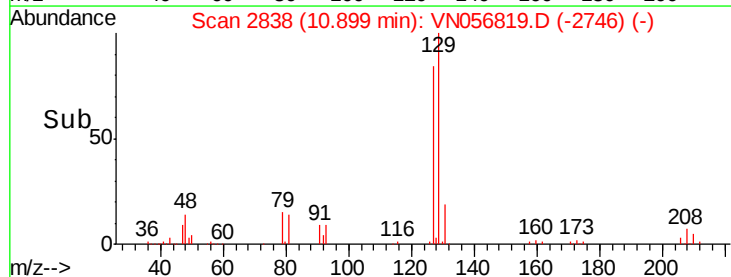
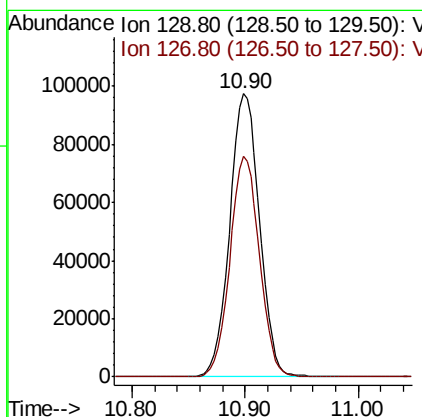
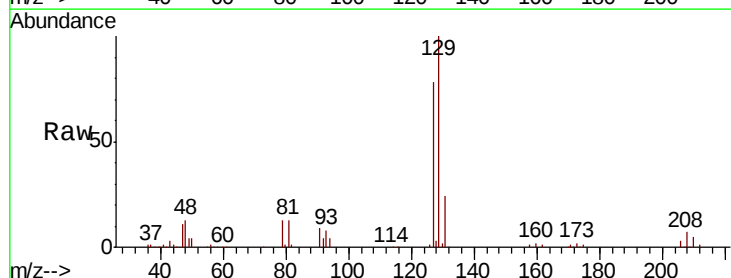
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

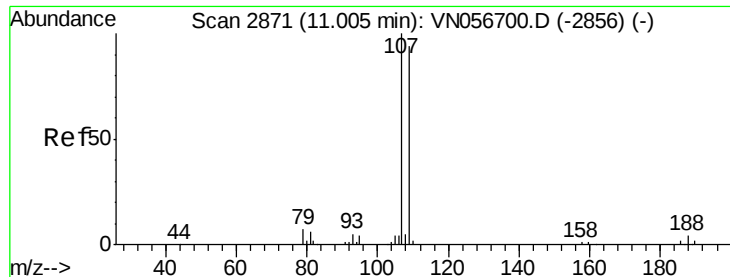
Tot Ion: 43 Resp: 812791
Ion Ratio Lower Upper
43 100
58 56.6 27.9 83.6



#60
Dibromochloromethane
Concen: 57.390 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 129 Resp: 178370
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 57.579 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

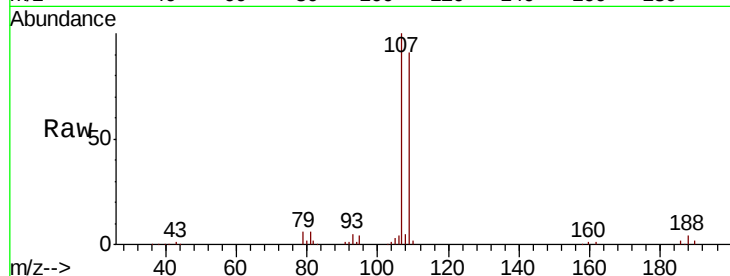
VSTDCCC050

Tot Ion:107 Resp: 180839

Ion Ratio Lower Upper

107 100

109 93.4 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

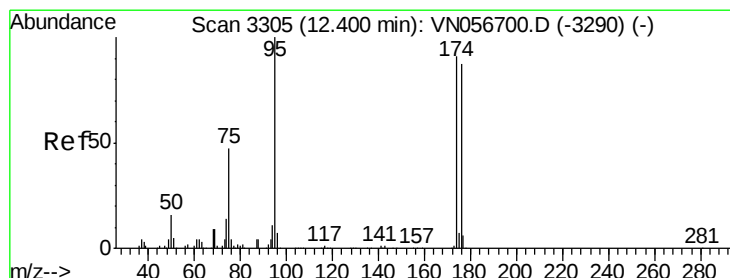
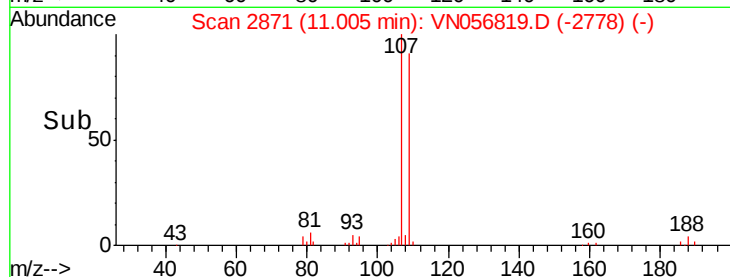
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 56.209 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

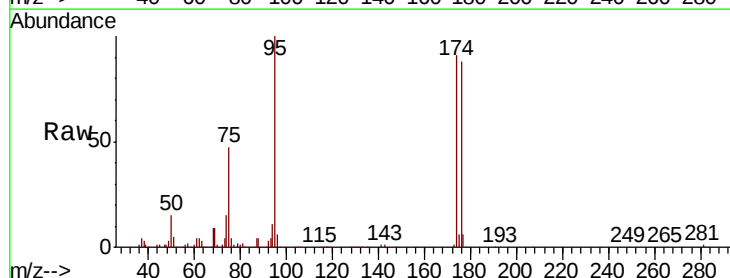
Tgt Ion: 95 Resp: 203866

Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

176 87.3 0.0 173.2



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

12.40

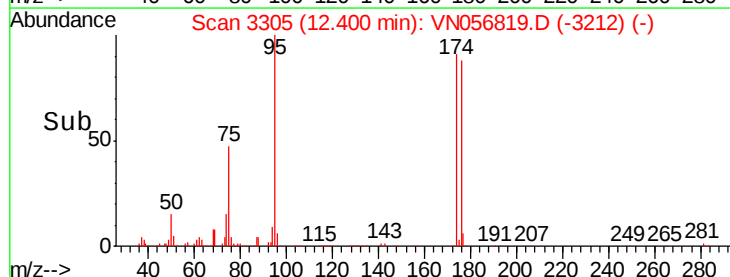
150000

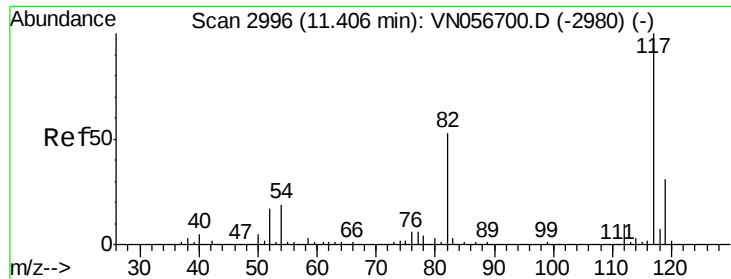
100000

50000

0

Time--> 12.35 12.40 12.45

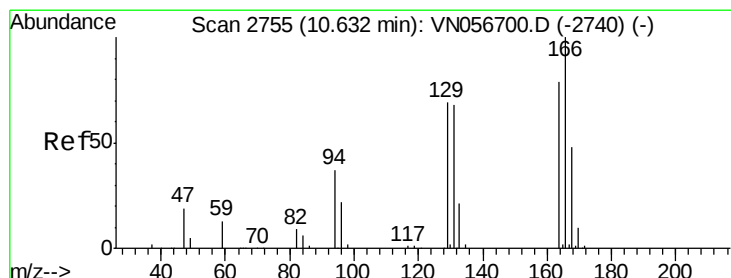
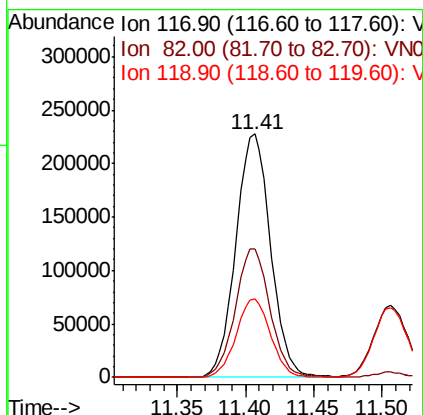
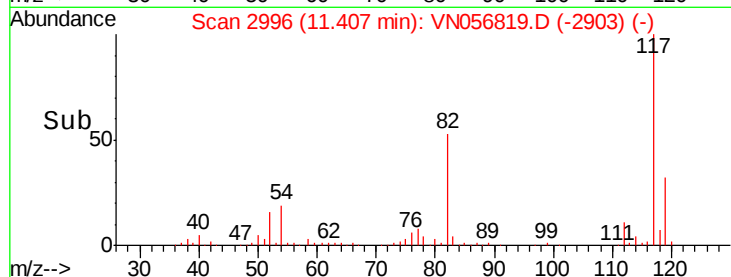
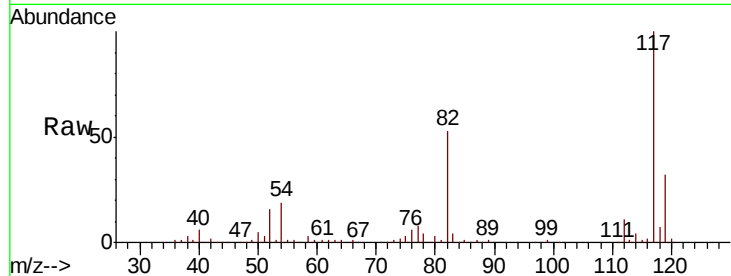




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

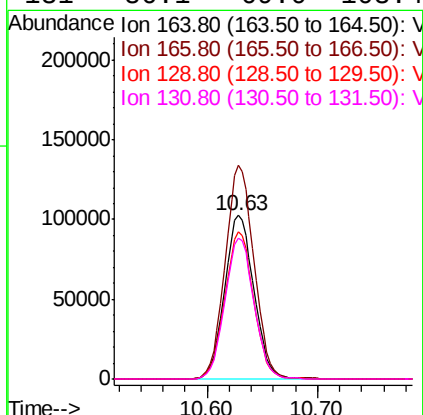
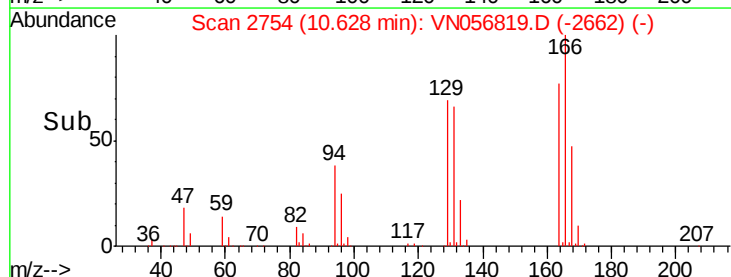
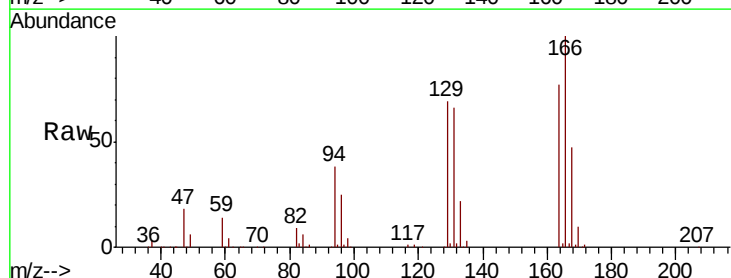
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

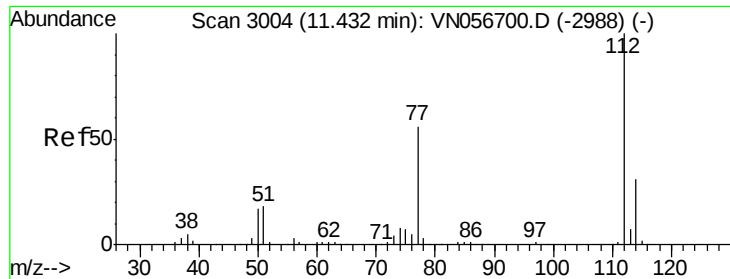
Tot Ion:117 Resp: 403768
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 54.105 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion:164 Resp: 188471
Ion Ratio Lower Upper
164 100
166 130.4 101.4 152.2
129 89.9 69.6 104.4
131 86.1 69.0 103.4

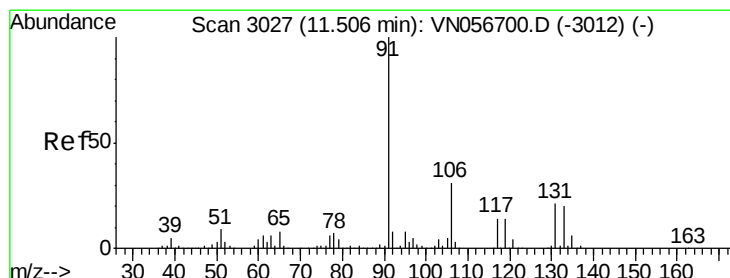
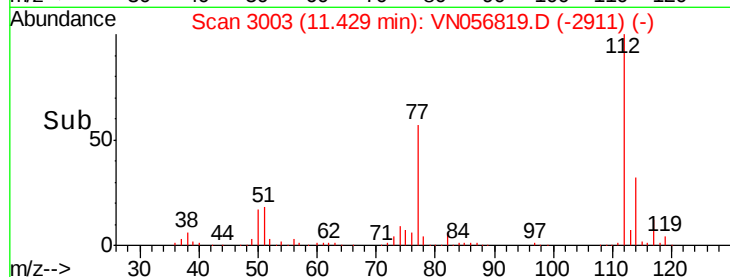
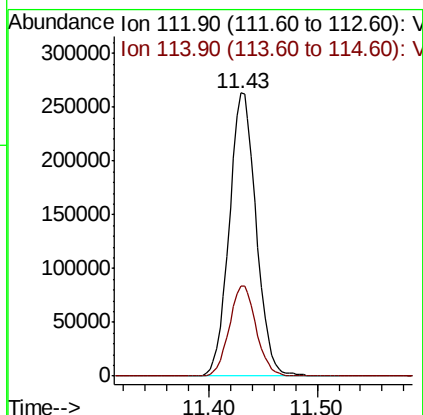
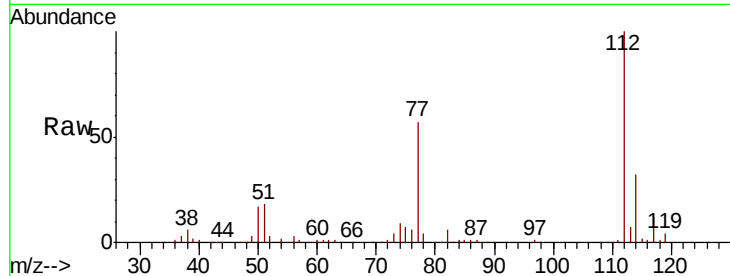




#65
Chlorobenzene
Concen: 55.163 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

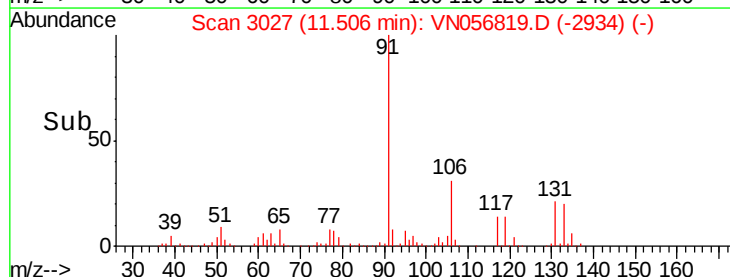
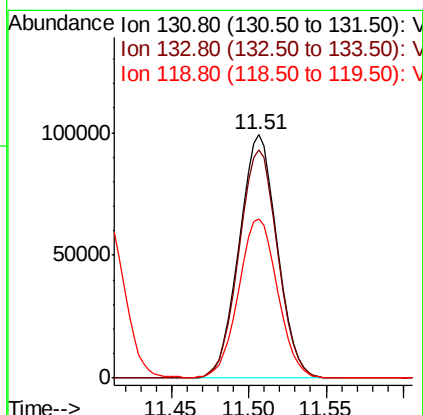
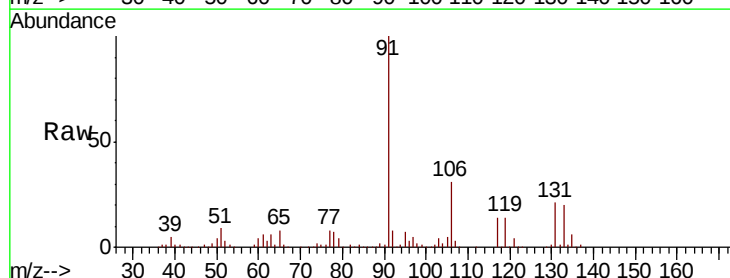
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

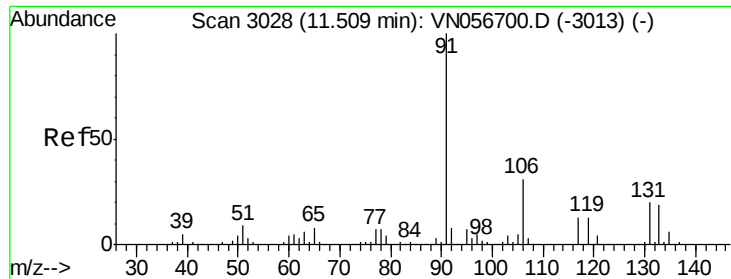
Tot Ion:112 Resp: 455426
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.865 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion:131 Resp: 169816
Ion Ratio Lower Upper
131 100
133 95.6 46.9 140.7
119 67.2 32.8 98.3

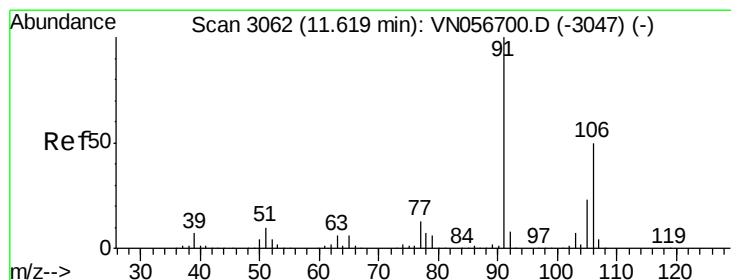
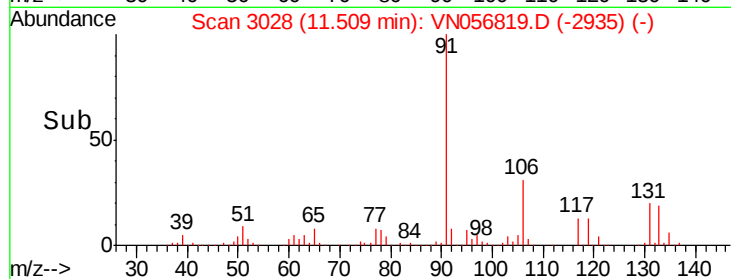
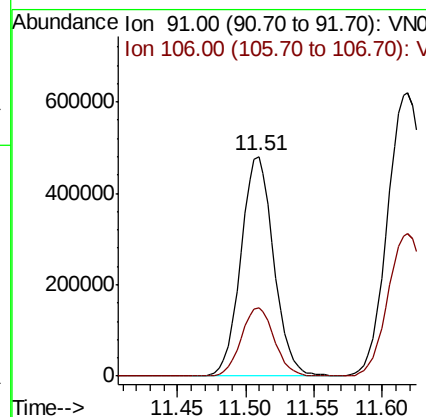
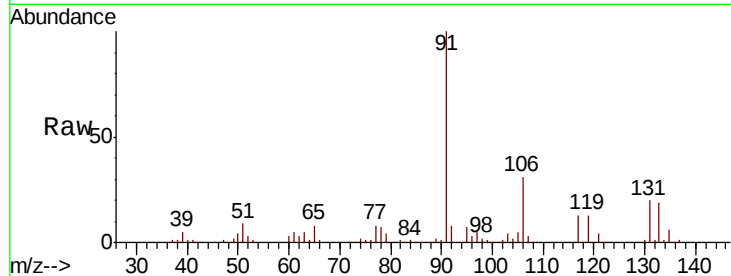




#67
Ethyl Benzene
Concen: 55.399 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

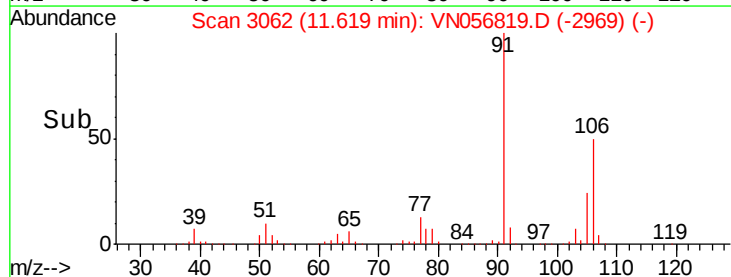
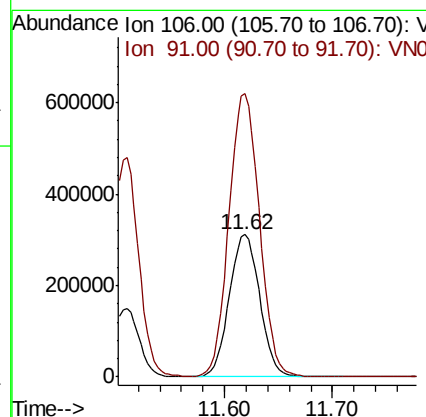
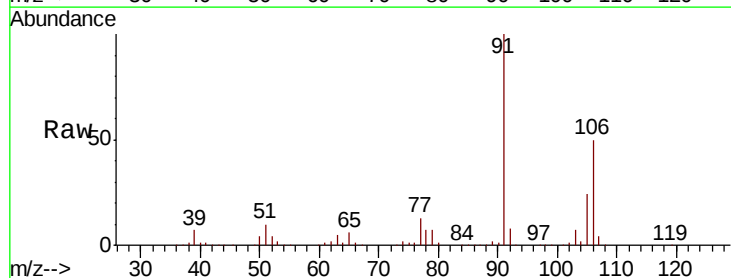
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

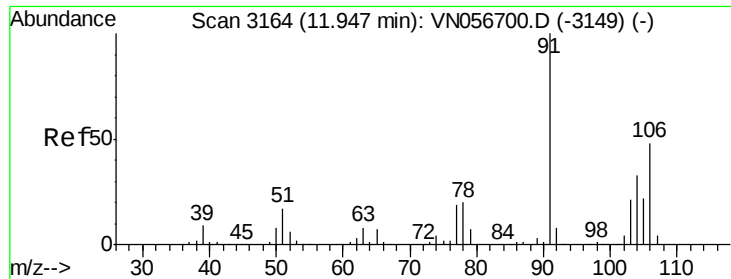
Tot Ion: 91 Resp: 803791
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



#68
m/p-Xylenes
Concen: 113.295 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 106 Resp: 614336
Ion Ratio Lower Upper
106 100
91 199.1 160.5 240.7

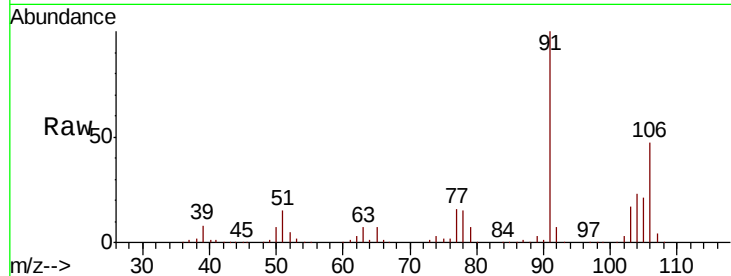




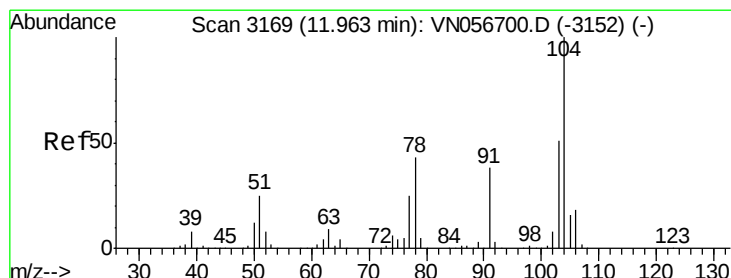
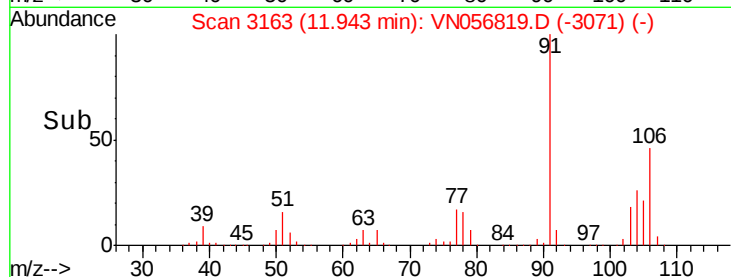
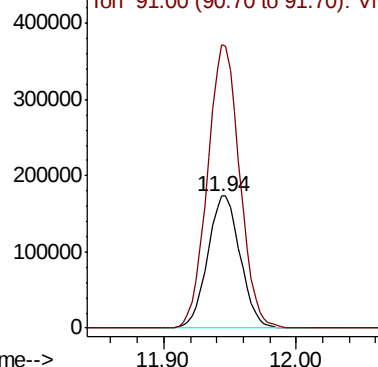
#69
o-Xylene
Concen: 55.412 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 295396
Ion Ratio Lower Upper
106 100
91 212.4 105.6 316.8

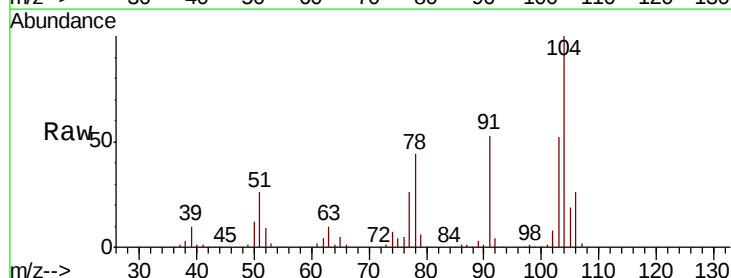


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

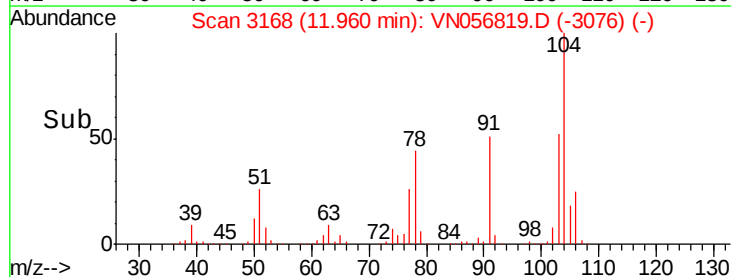
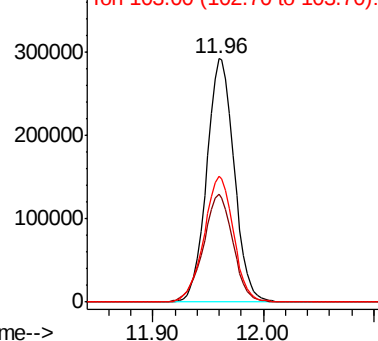


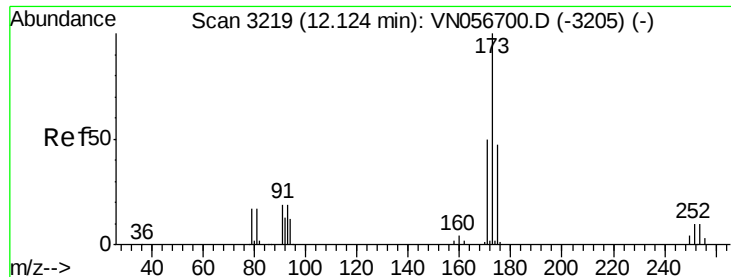
#70
Styrene
Concen: 58.568 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion:104 Resp: 504766
Ion Ratio Lower Upper
104 100
78 47.8 38.6 57.8
103 55.4 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

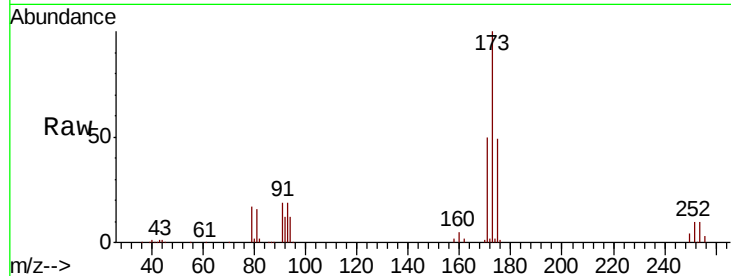




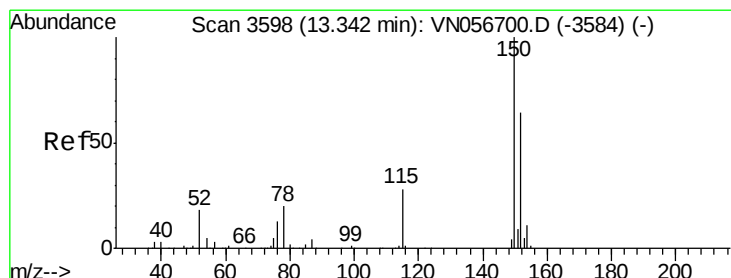
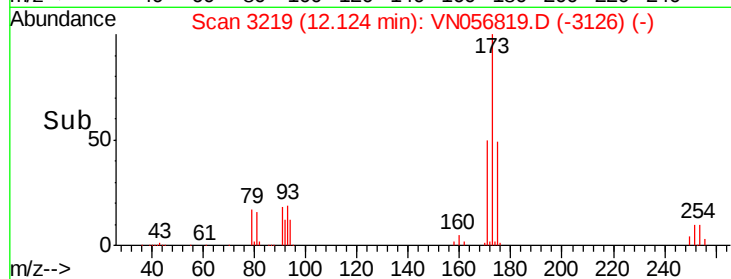
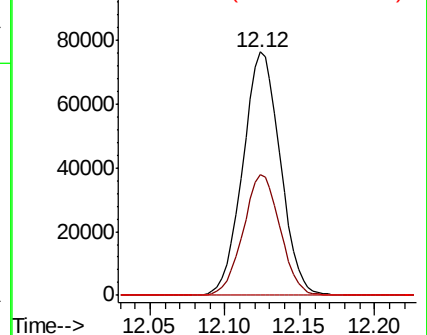
#71
Bromoform
Concen: 57.446 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 132865
Ion Ratio Lower Upper
173 100
175 48.8 23.8 71.4
254 0.0 0.0 0.0#

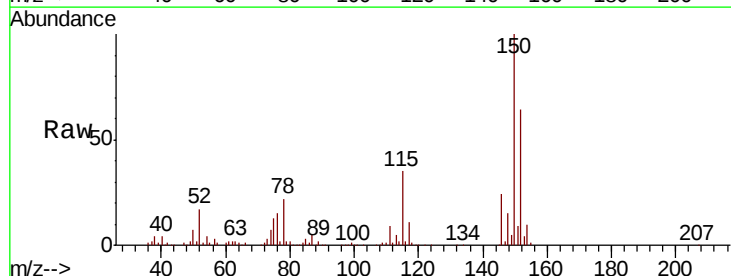


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

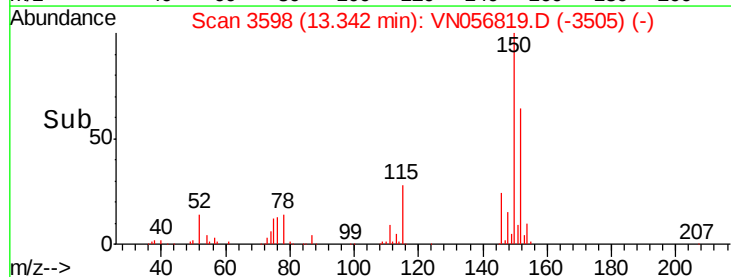
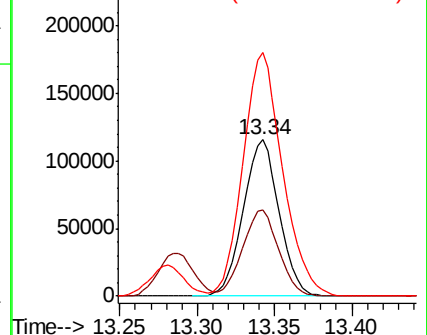


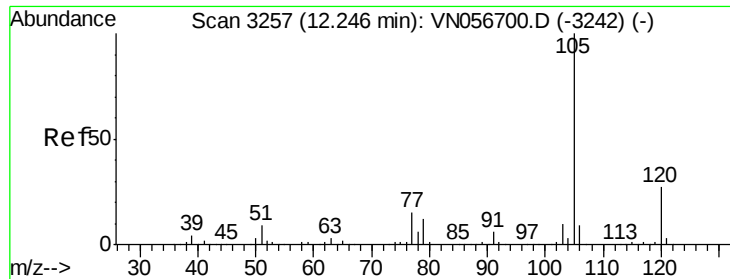
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion:152 Resp: 185629
Ion Ratio Lower Upper
152 100
115 55.0 28.2 84.7
150 172.7 0.0 345.8



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: 52.261 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

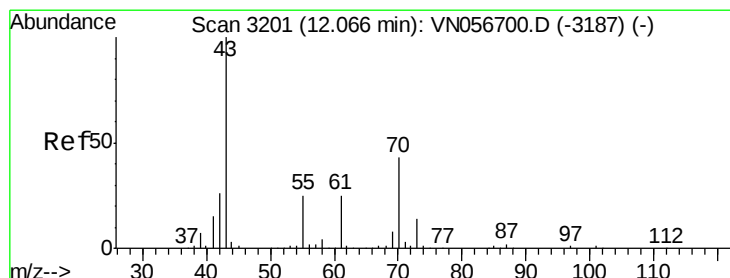
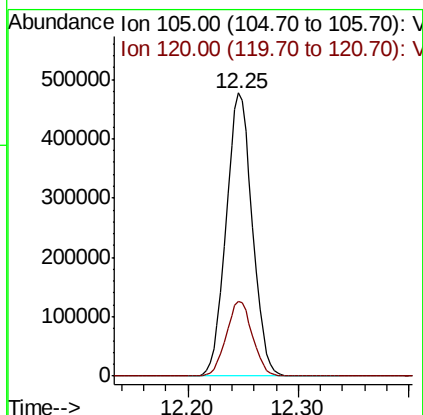
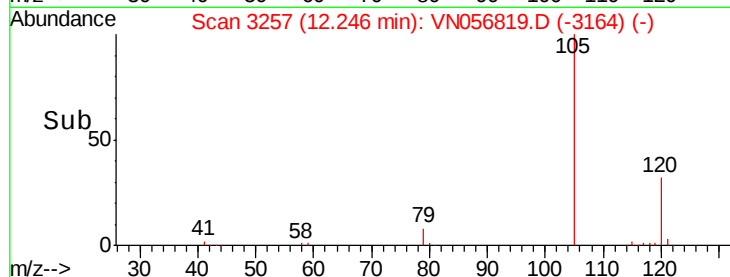
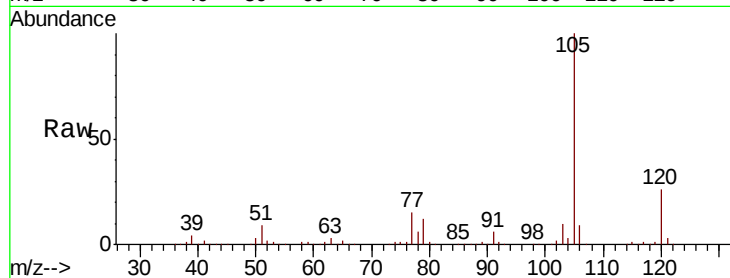
VSTDCCC050

Tot Ion:105 Resp: 782214

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 51.059 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Tgt Ion: 43 Resp: 284613

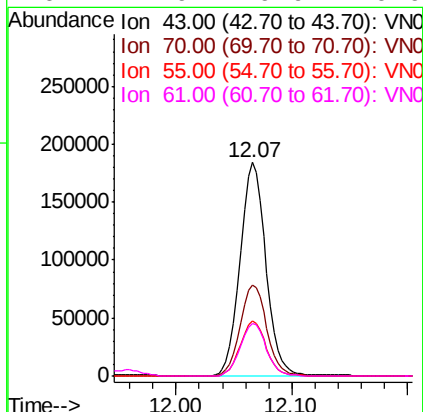
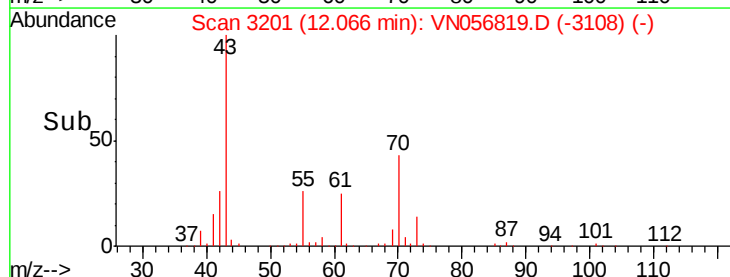
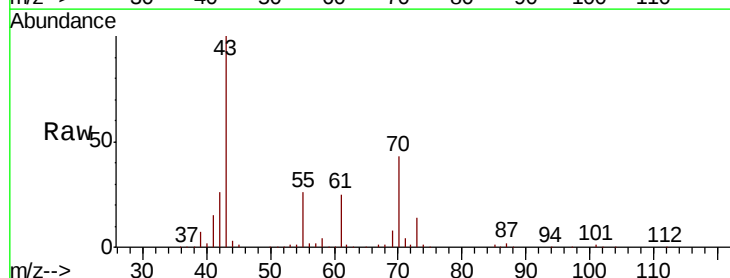
Ion Ratio Lower Upper

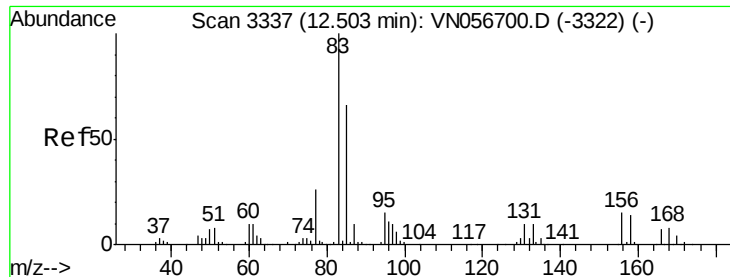
43 100

70 43.8 34.5 51.7

55 25.9 20.2 30.2

61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.798 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

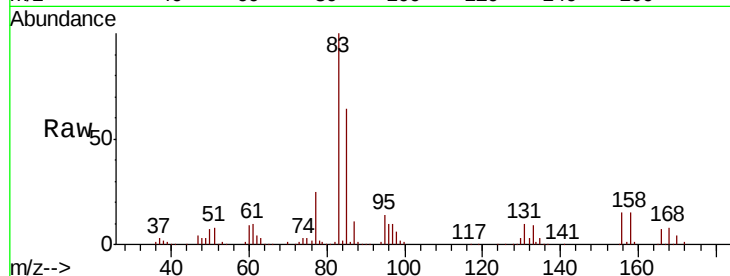
Tot Ion: 83 Resp: 240860

Ion Ratio Lower Upper

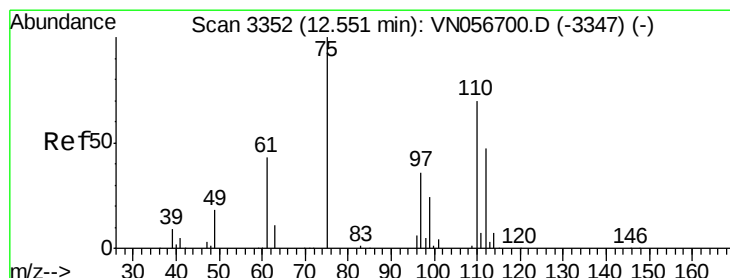
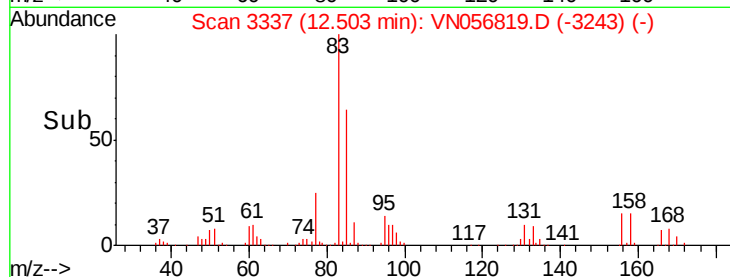
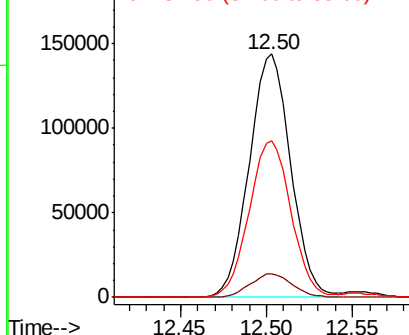
83 100

131 10.0 5.3 15.8

85 64.9 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 73.121 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056819.D

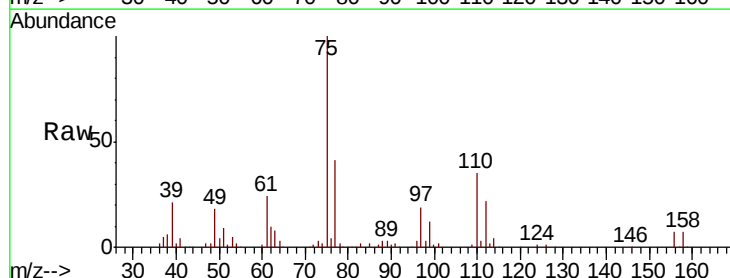
Acq: 19 Jul 2019 10:07

Tgt Ion: 75 Resp: 296870

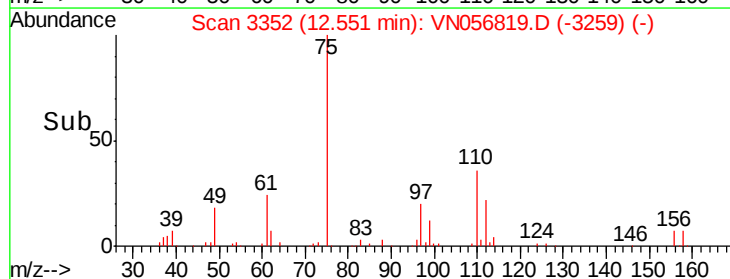
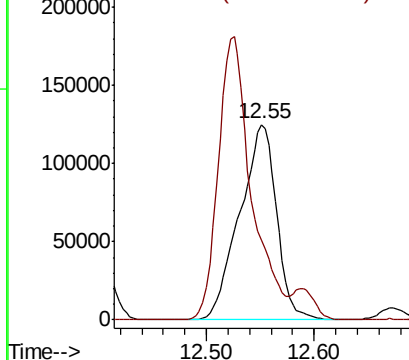
Ion Ratio Lower Upper

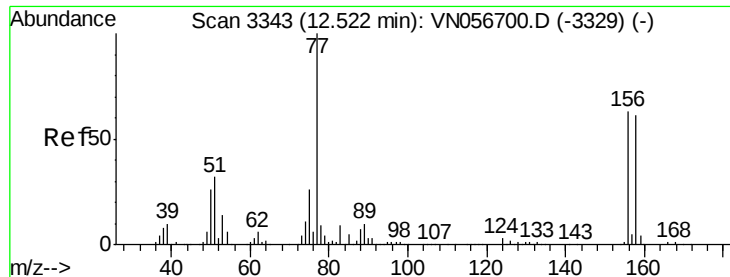
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.943 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

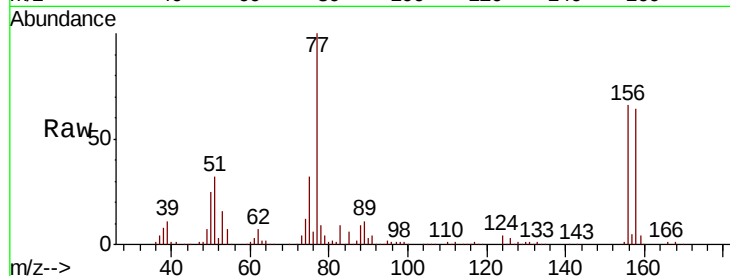
Tot Ion:156 Resp: 207265

Ion Ratio Lower Upper

156 100

77 185.2 97.2 291.6

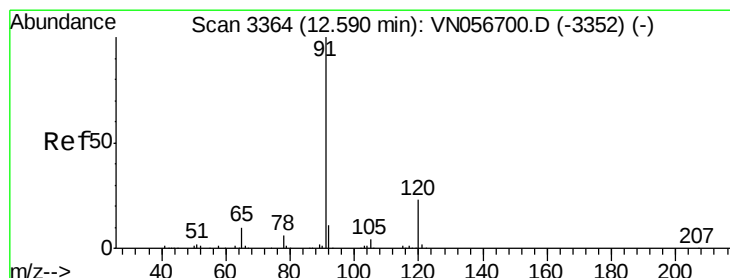
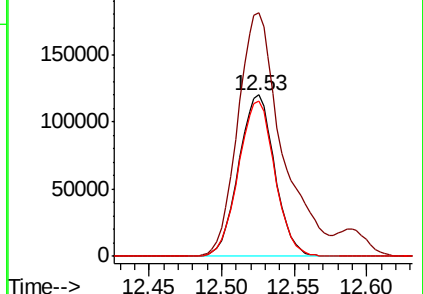
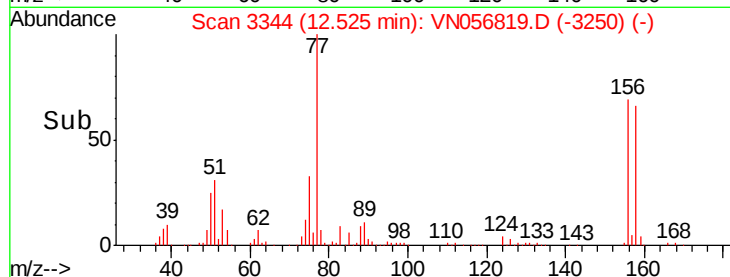
158 97.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.248 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056819.D

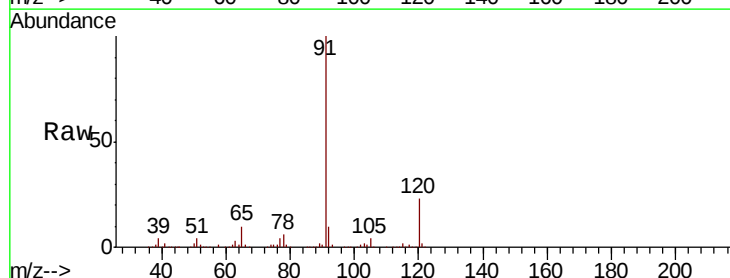
Acq: 19 Jul 2019 10:07

Tgt Ion: 91 Resp: 884799

Ion Ratio Lower Upper

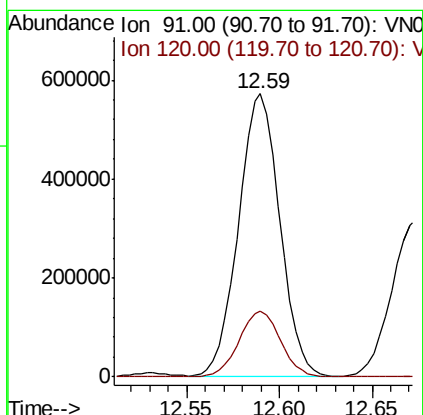
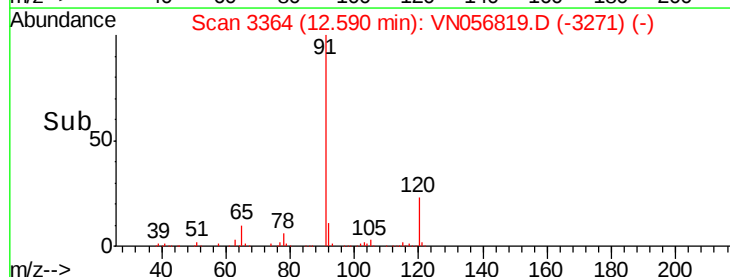
91 100

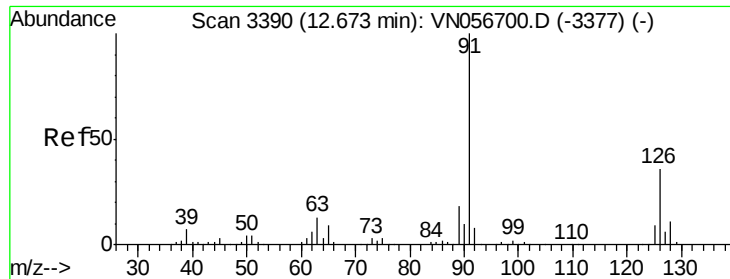
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

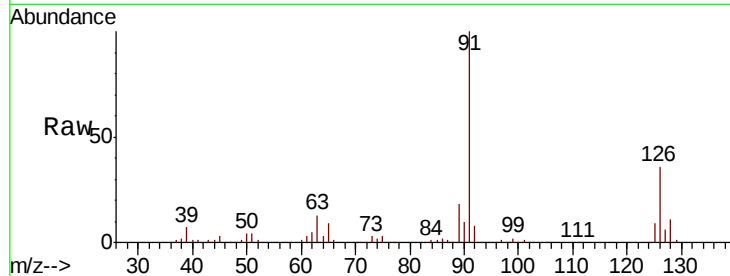




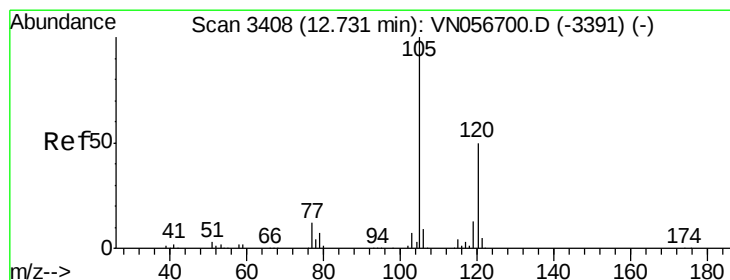
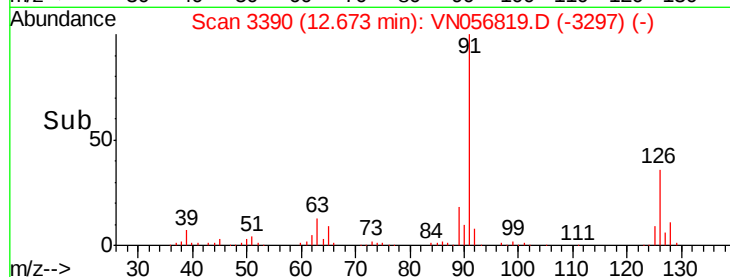
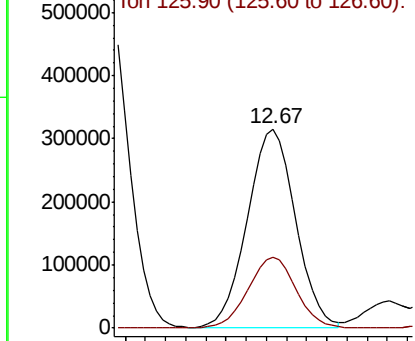
#79
 2-Chlorotoluene
 Concen: 57.371 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 524577
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7

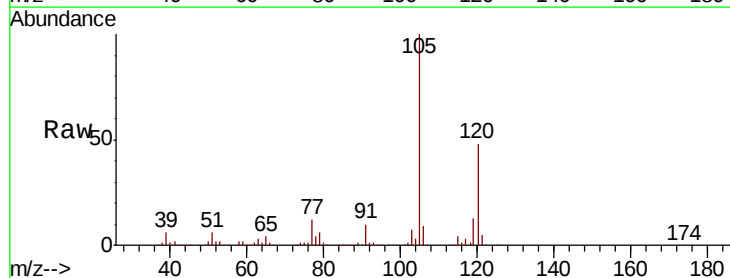


Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)

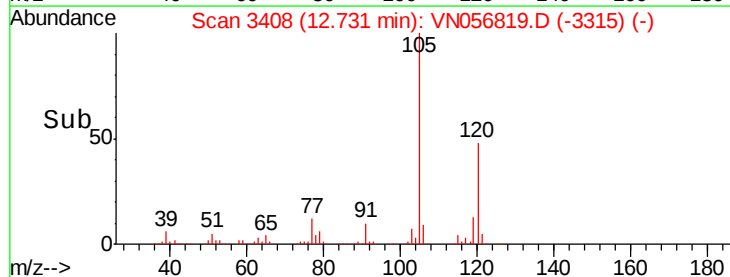
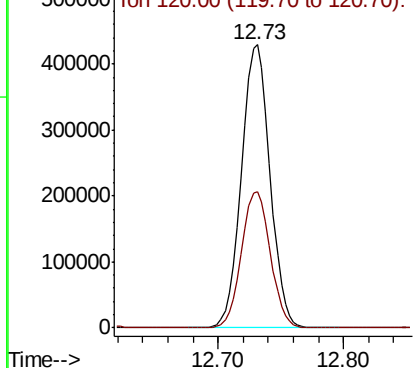


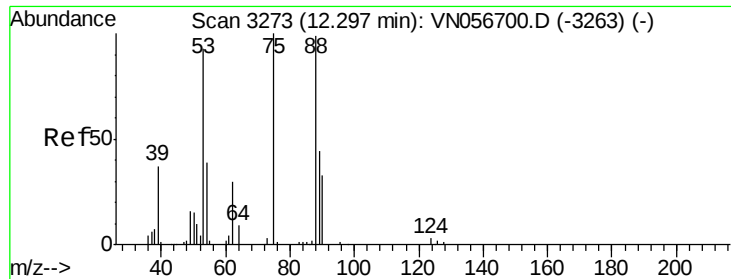
#80
 1,3,5-Trimethylbenzene
 Concen: 53.127 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion: 105 Resp: 673945
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)
 Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.797 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

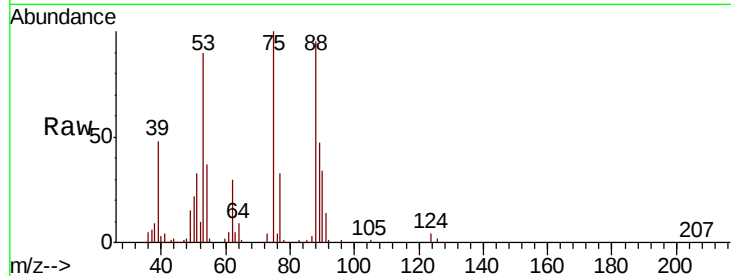
Tot Ion: 75 Resp: 70723

Ion Ratio Lower Upper

75 100

53 92.0 73.7 110.5

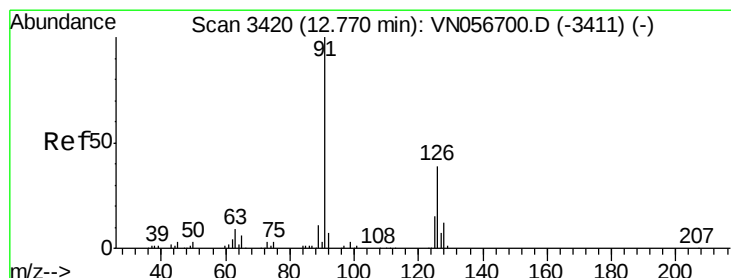
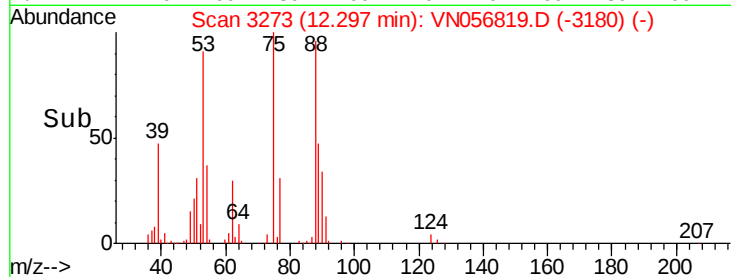
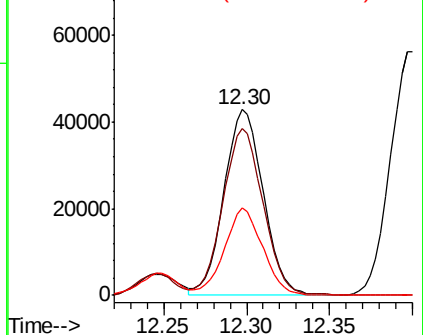
89 45.5 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.407 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056819.D

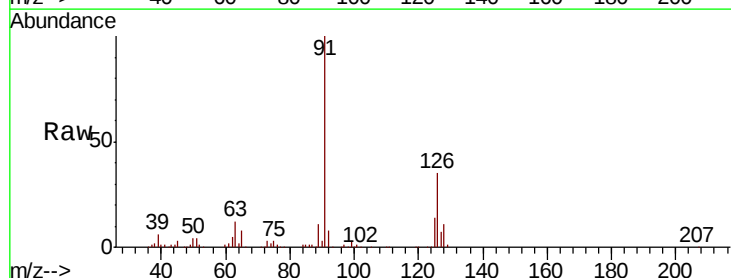
Acq: 19 Jul 2019 10:07

Tgt Ion: 91 Resp: 520796

Ion Ratio Lower Upper

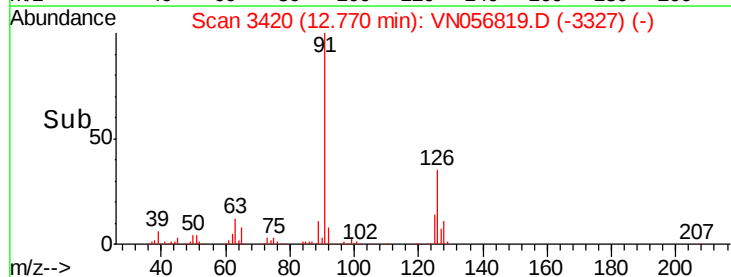
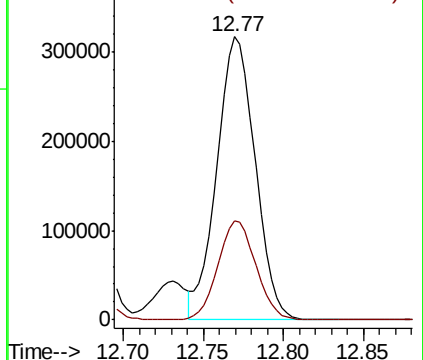
91 100

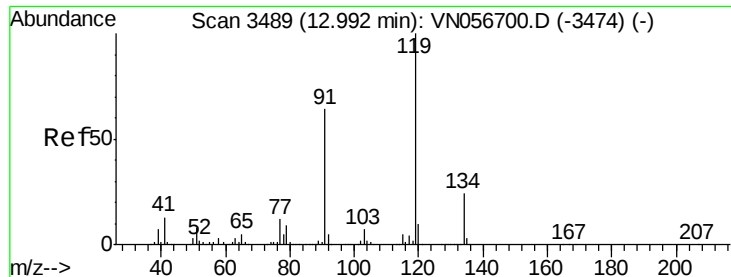
126 34.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

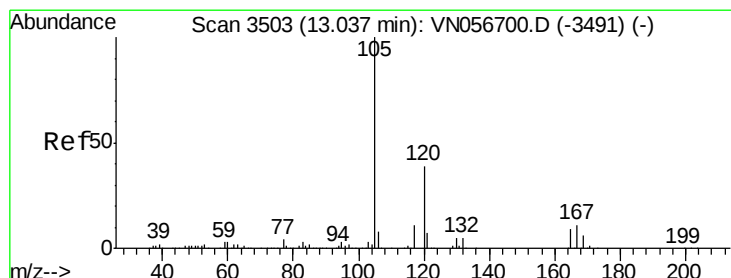
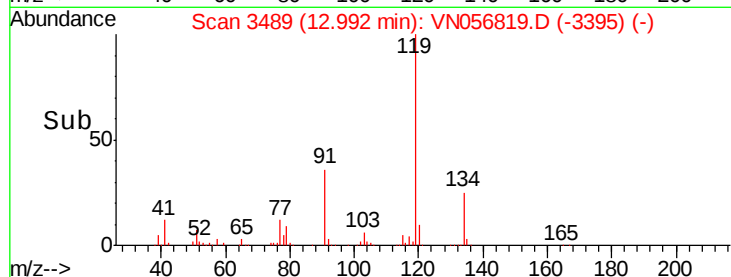
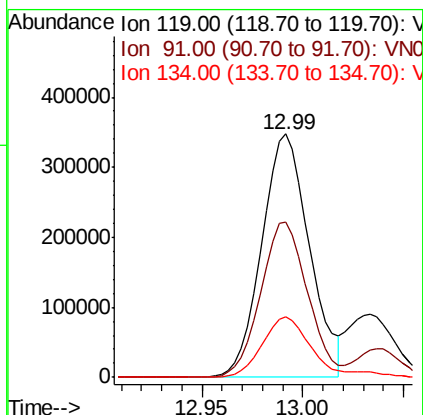
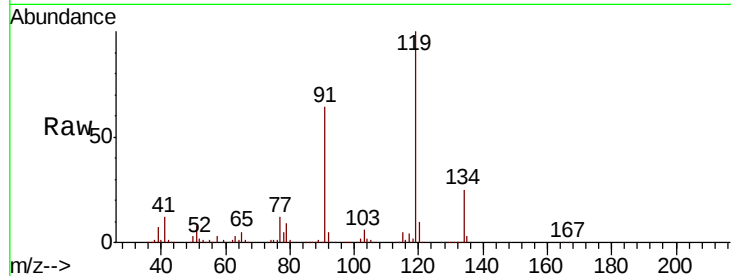




#83
 tert-Butylbenzene
 Concen: 58.014 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

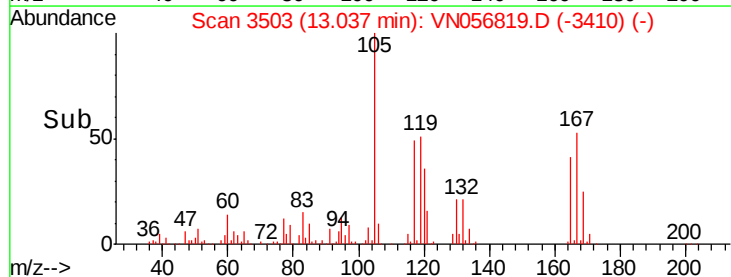
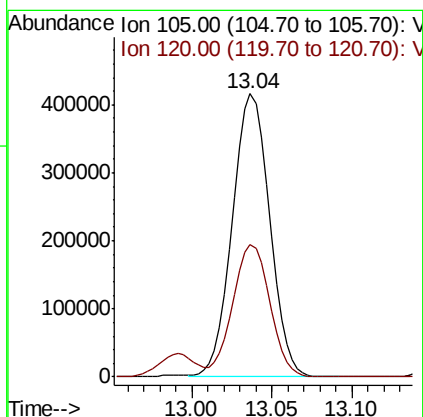
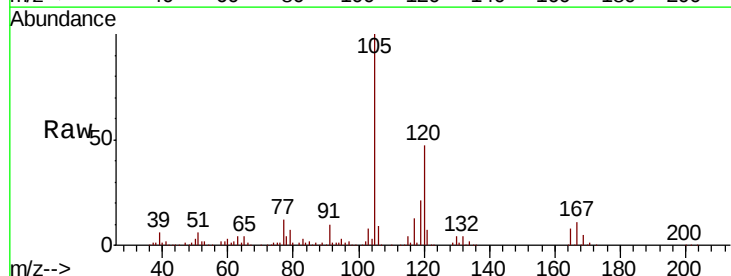
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

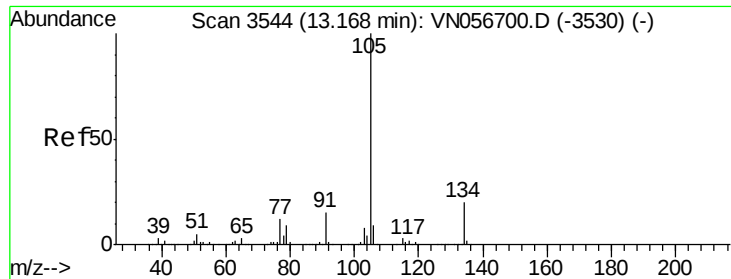
Tot Ion:119 Resp: 571405
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.8 95.4
 134 24.9 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 53.257 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion:105 Resp: 660005
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 53.502 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

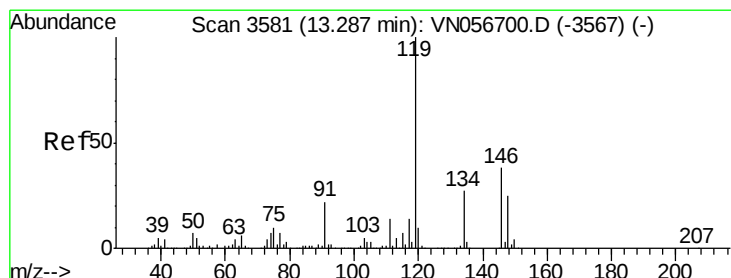
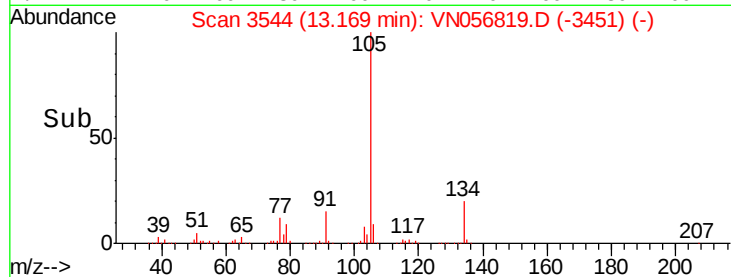
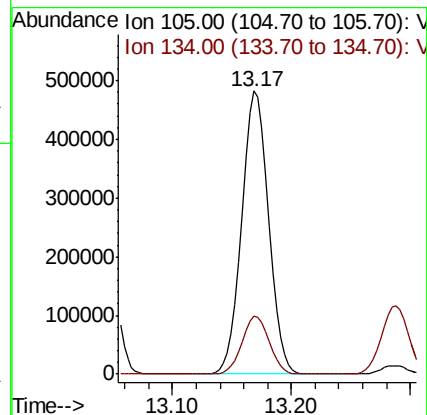
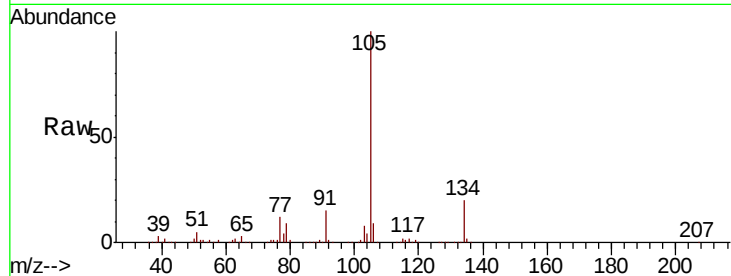
VSTDCCC050

Tot Ion:105 Resp: 754155

Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.1



#86

p-Isopropyltoluene

Concen: 54.311 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

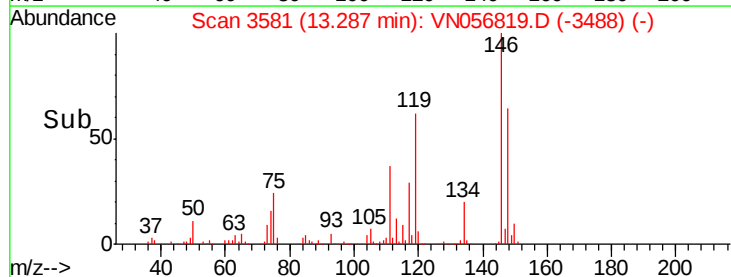
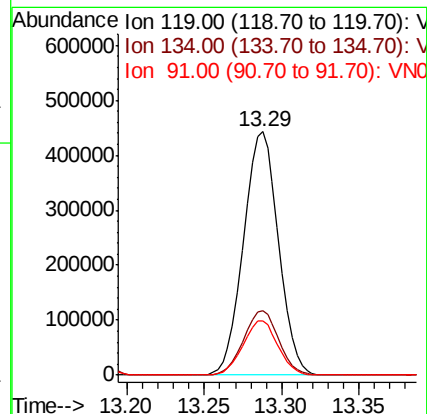
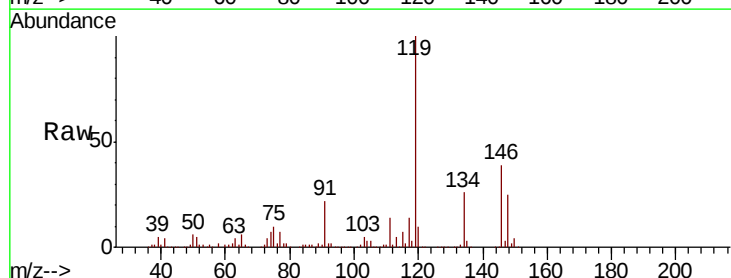
Tgt Ion:119 Resp: 693525

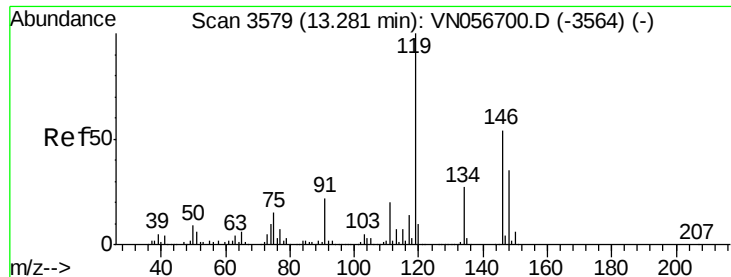
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 53.691 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

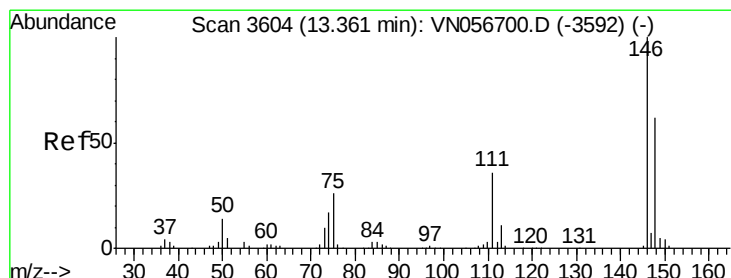
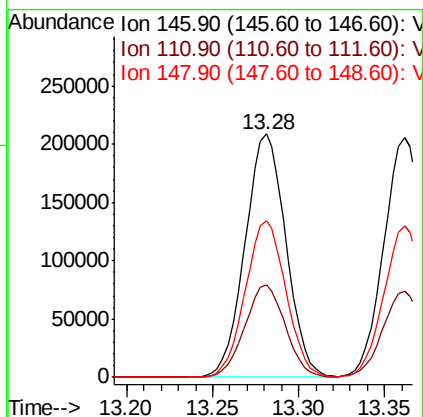
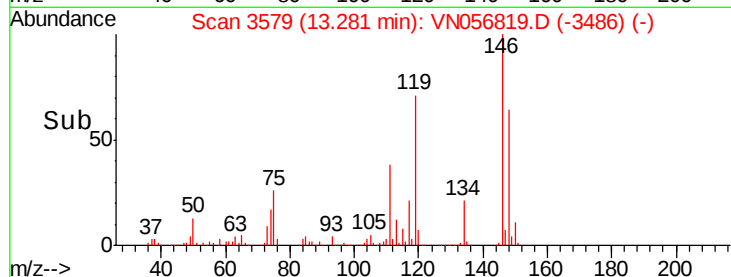
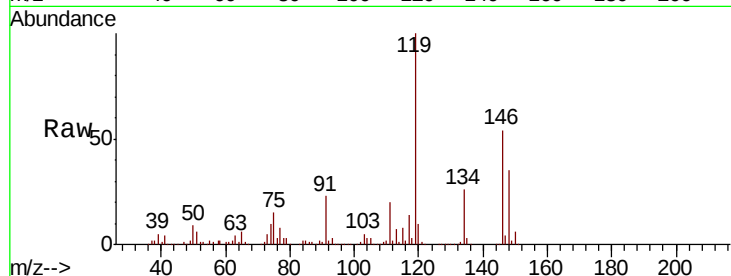
Tot Ion:146 Resp: 344474

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.3

148 63.9 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 53.623 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

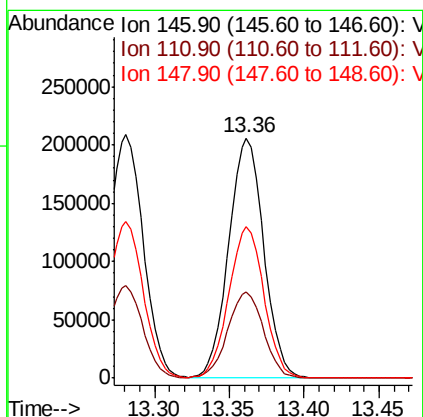
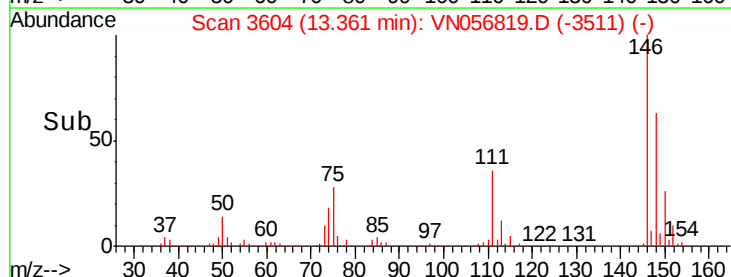
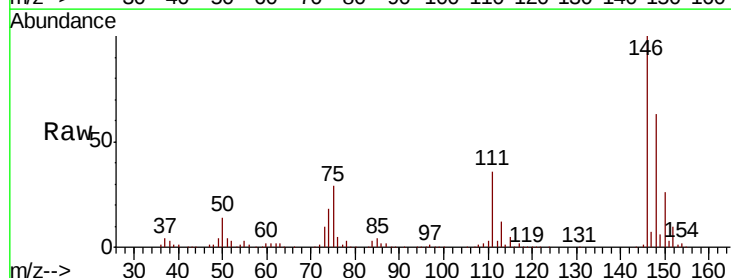
Tgt Ion:146 Resp: 334649

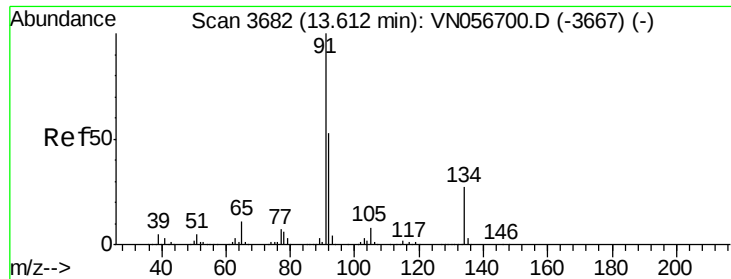
Ion Ratio Lower Upper

146 100

111 36.6 18.6 55.8

148 63.4 31.9 95.7

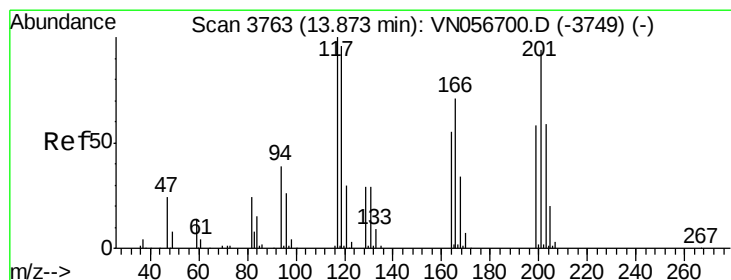
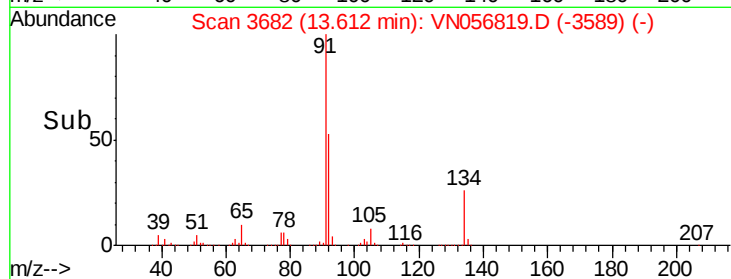
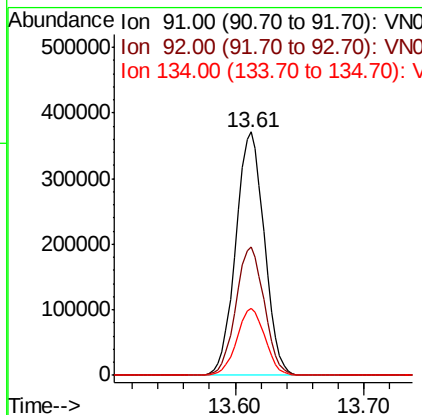
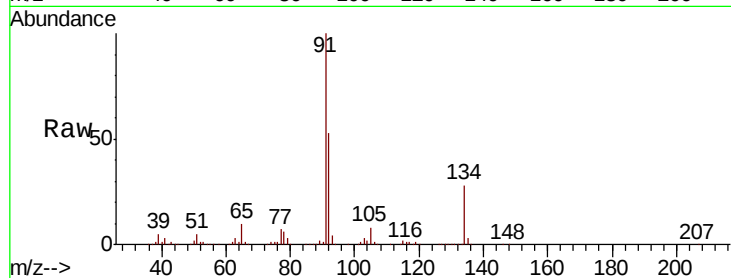




#89
n-Butylbenzene
Concen: 55.445 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

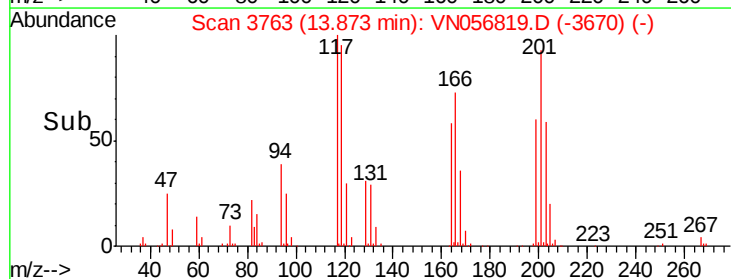
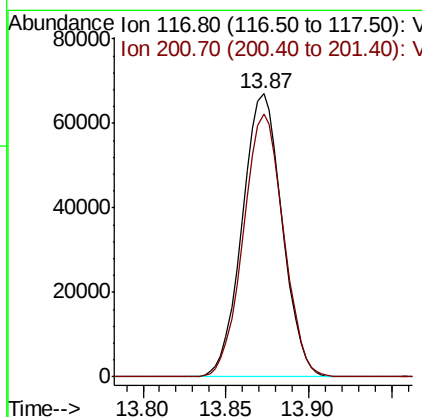
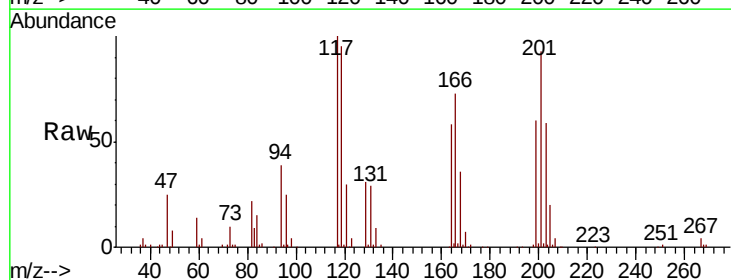
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

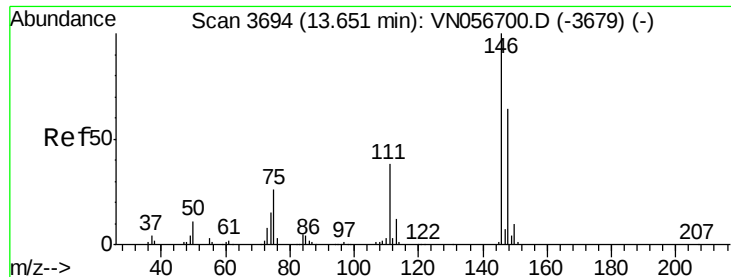
Tot Ion: 91 Resp: 570304
Ion Ratio Lower Upper
91 100
92 52.7 26.0 78.0
134 27.1 13.4 40.2



#90
Hexachloroethane
Concen: 54.313 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056819.D
Acq: 19 Jul 2019 10:07

Tgt Ion: 117 Resp: 112155
Ion Ratio Lower Upper
117 100
201 93.3 46.5 139.5





#91

1,2-Dichlorobenzene

Concen: 51.863 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

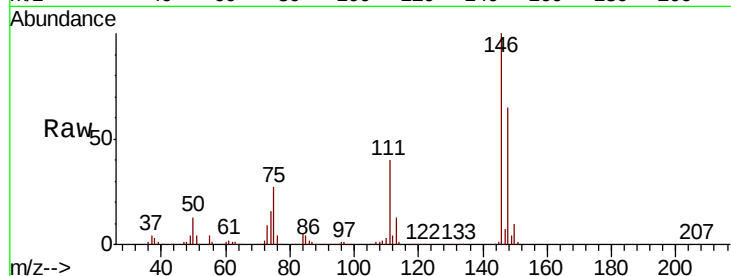
Tot Ion:146 Resp: 340313

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.1

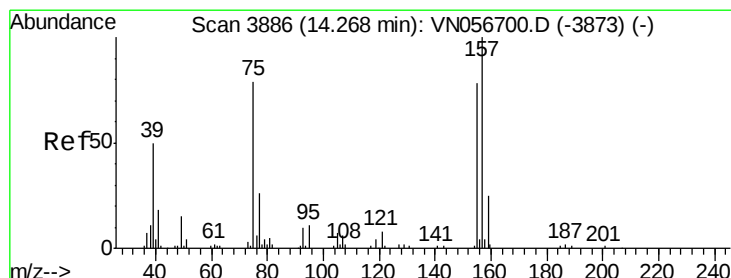
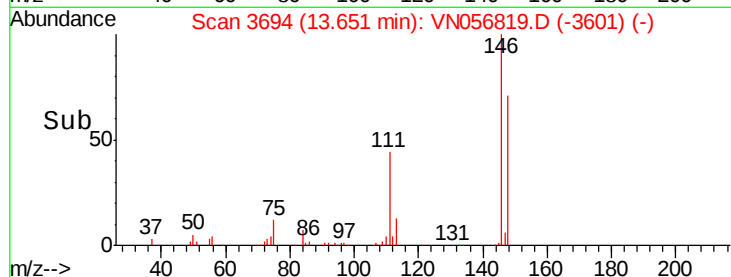
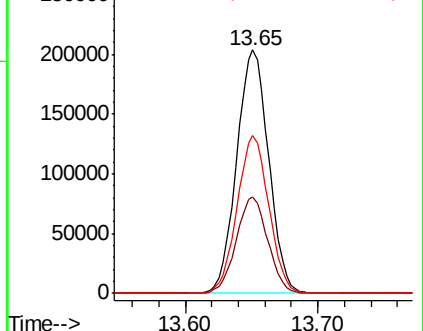
148 64.2 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.115 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

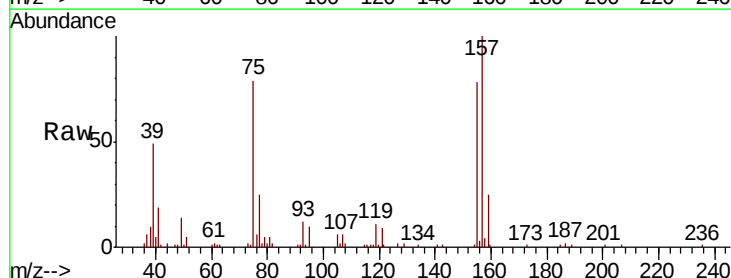
Tgt Ion: 75 Resp: 40222

Ion Ratio Lower Upper

75 100

155 97.8 49.3 147.9

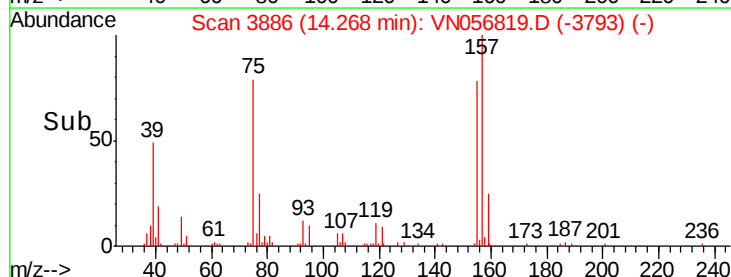
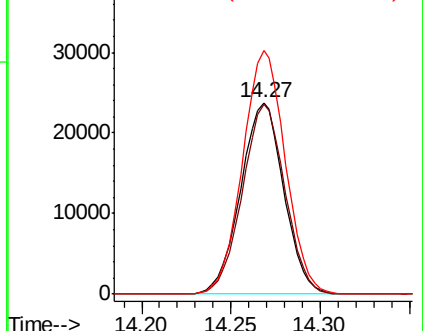
157 126.1 62.4 187.1

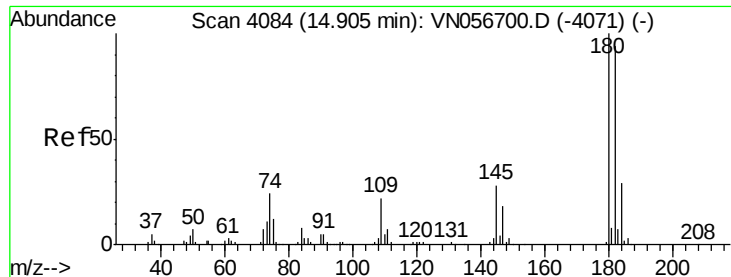


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

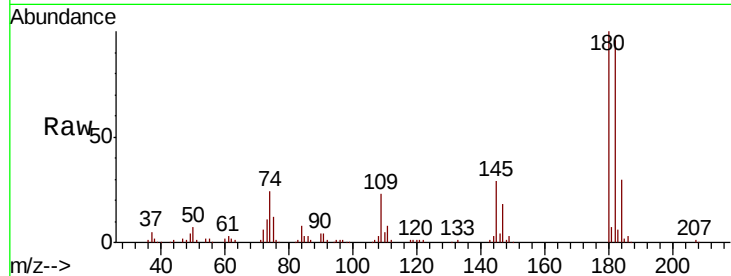




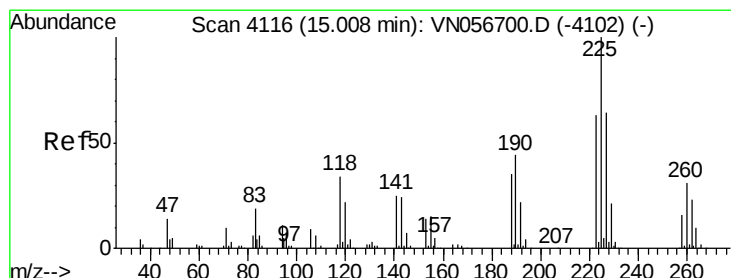
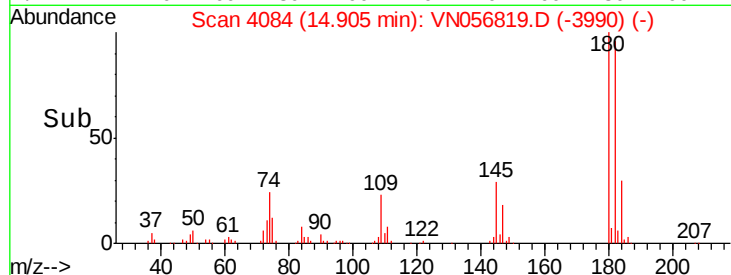
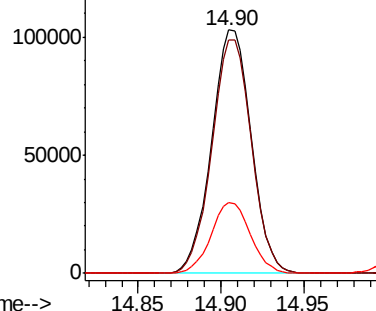
#93
 1,2,4-Trichlorobenzene
 Concen: 47.484 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.2	141.6
145	29.0	14.2	42.8

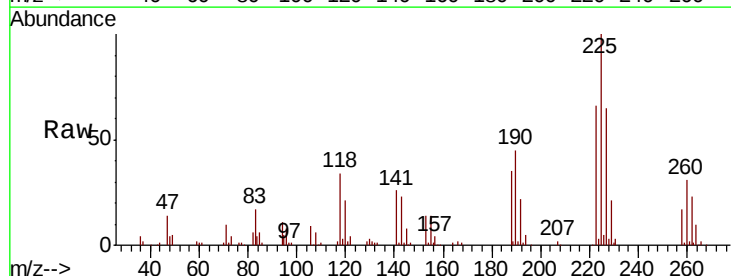


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

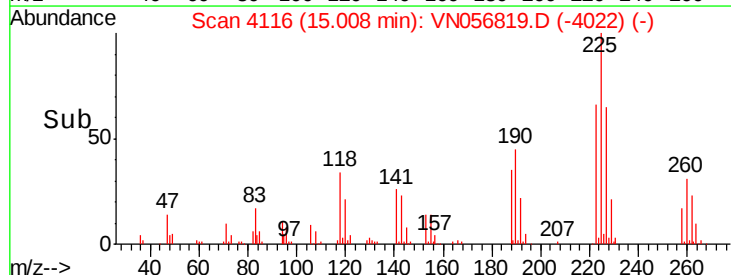
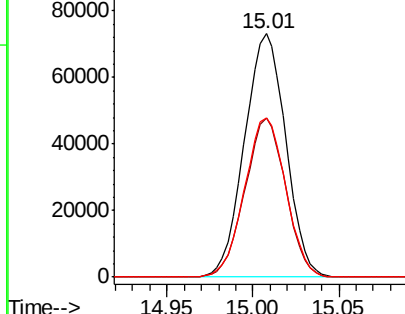


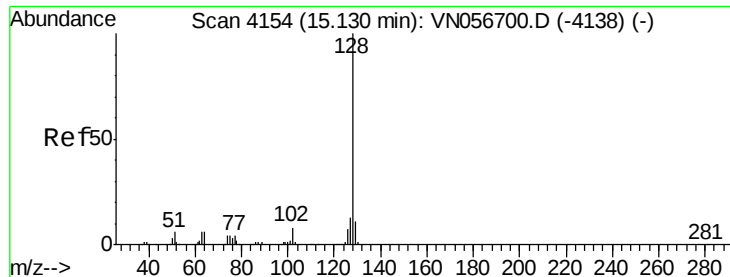
#94
 Hexachlorobutadiene
 Concen: 59.376 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056819.D
 Acq: 19 Jul 2019 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.5	94.5
227	65.3	32.0	96.2



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: 43.406 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

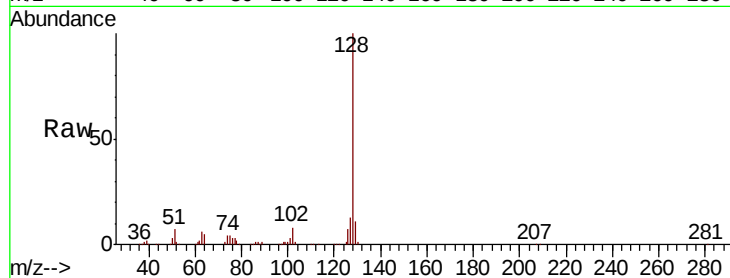
Tot Ion:128 Resp: 425168

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

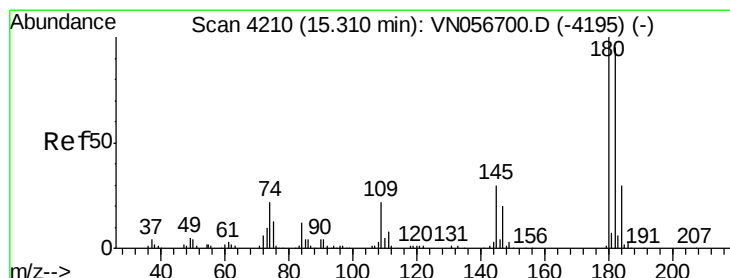
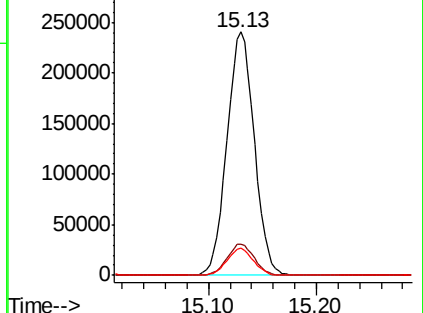
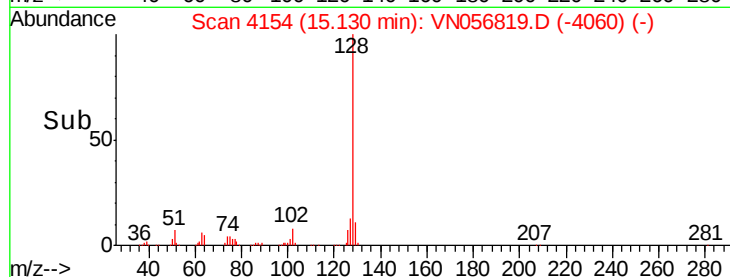
129 10.7 8.7 13.1



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: 48.671 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056819.D

Acq: 19 Jul 2019 10:07

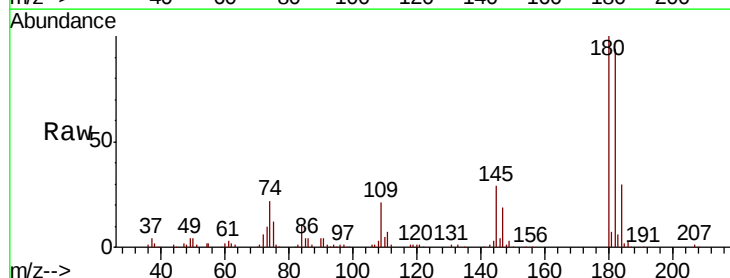
Tgt Ion:180 Resp: 174837

Ion Ratio Lower Upper

180 100

182 94.4 47.1 141.3

145 29.9 15.0 45.1



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

