

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058132.D
 Acq On : 16 Sep 2019 20:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 17 03:56:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	393830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	635270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	605276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	369514	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	369834	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
35) Dibromofluoromethane	7.57	113	270568	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
50) Toluene-d8	10.08	98	1038115	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
62) 4-Bromofluorobenzene	12.40	95	393748	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	241210	44.287	ug/l	100
3) Chloromethane	2.04	50	208103	37.488	ug/l	99
4) Vinyl Chloride	2.17	62	213217	36.291	ug/l	100
5) Bromomethane	2.53	94	132213	40.667	ug/l	98
6) Chloroethane	2.68	64	135862	36.290	ug/l	99
7) Trichlorofluoromethane	3.00	101	289132	39.106	ug/l	98
8) Diethyl Ether	3.39	74	142913	46.344	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	213954	45.872	ug/l	99
10) Methyl Iodide	3.93	142	231420	44.588	ug/l	99
11) Tert butyl alcohol	4.76	59	211974	219.563	ug/l	99
12) 1,1-Dichloroethene	3.72	96	180237	42.979	ug/l	97
13) Acrolein	3.59	56	135890	165.907	ug/l	100
14) Allyl chloride	4.30	41	359582	43.815	ug/l	99
15) Acrylonitrile	4.96	53	637098	240.088	ug/l	99
16) Acetone	3.79	43	524498	200.579	ug/l	99
17) Carbon Disulfide	4.03	76	247342	37.934	ug/l	99
18) Methyl Acetate	4.30	43	359537	51.568	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	859910	49.272	ug/l	100
20) Methylene Chloride	4.53	84	248934	50.006	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	190914	42.114	ug/l	98
22) Diisopropyl ether	5.93	45	947886	49.251	ug/l	100
23) Vinyl Acetate	5.87	43	3444951	252.570	ug/l	100
24) 1,1-Dichloroethane	5.83	63	493576	46.925	ug/l	100
25) 2-Butanone	6.81	43	865320	228.636	ug/l	99
26) 2,2-Dichloropropane	6.81	77	349811	42.024	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	278773	45.887	ug/l	99
28) Bromochloromethane	7.18	49	241692	45.994	ug/l	95
29) Tetrahydrofuran	7.19	42	539452	231.311	ug/l	100
30) Chloroform	7.36	83	522444	47.504	ug/l	99
31) Cyclohexane	7.64	56	326136	45.289	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	412660	47.310	ug/l	100
36) 1,1-Dichloropropene	7.78	75	316899	43.013	ug/l	100
37) Ethyl Acetate	6.91	43	361418	47.480	ug/l	99
38) Carbon Tetrachloride	7.76	117	325954	48.459	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	323581	41.780	ug/l	96
40) Benzene	8.03	78	1022259	46.087	ug/l	99
41) Methacrylonitrile	7.19	41	535151	154.878	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	429014	48.362	ug/l	100
43) Isopropyl Acetate	8.15	43	650871	50.846	ug/l	99
44) Trichloroethene	8.82	130	250106	45.973	ug/l	100
45) 1,2-Dichloropropane	9.11	63	311163	48.210	ug/l	98
46) Dibromomethane	9.20	93	189615	48.617	ug/l	100
47) Bromodichloromethane	9.40	83	402772	51.715	ug/l	99
48) Methyl methacrylate	9.19	41	310685	47.846	ug/l	99
49) 1,4-Dioxane	9.19	88	89966	819.293	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1948461	257.218	ug/l	99
52) Toluene	10.15	92	649876	46.518	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	417146	50.862	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	456034	50.363	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	296975	50.184	ug/l	97
56) Ethyl methacrylate	10.43	69	447891	50.260	ug/l	99
57) 1,3-Dichloropropane	10.71	76	497112	48.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	927715	221.032	ug/l	100
59) 2-Hexanone	10.75	43	1395701	245.815	ug/l	100
60) Dibromochloromethane	10.90	129	288736	52.544	ug/l	99
61) 1,2-Dibromoethane	11.00	107	272424	48.694	ug/l	99
64) Tetrachloroethene	10.63	164	202355	45.279	ug/l	98
65) Chlorobenzene	11.43	112	747794	47.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	279685	50.884	ug/l	99
67) Ethyl Benzene	11.51	91	1337847	48.191	ug/l	99
68) m/p-Xylenes	11.62	106	976128	95.992	ug/l	99
69) o-Xylene	11.95	106	489543	48.425	ug/l	98
70) Styrene	11.97	104	876755	50.394	ug/l	100
71) Bromoform	12.13	173	183026	53.409	ug/l #	98
73) Isopropylbenzene	12.25	105	1370275	47.789	ug/l	100
74) N-amyl acetate	12.07	43	595242	47.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	452116	46.831	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	539370	64.525	ug/l #	100
77) Bromobenzene	12.53	156	321948	45.035	ug/l	99
78) n-propylbenzene	12.59	91	1610225	48.905	ug/l	99
79) 2-Chlorotoluene	12.68	91	972468	46.731	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1178627	48.649	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112343	47.295	ug/l	97
82) 4-Chlorotoluene	12.78	91	1014044	47.451	ug/l	99
83) tert-Butylbenzene	13.00	119	1031459	47.896	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1204051	48.899	ug/l	98
85) sec-Butylbenzene	13.18	105	1387877	48.623	ug/l	100
86) p-Isopropyltoluene	13.29	119	1247759	49.613	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	626286	47.729	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	624562	46.892	ug/l	100
89) n-Butylbenzene	13.62	91	1149762	48.410	ug/l	99
90) Hexachloroethane	13.88	117	189037	50.540	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	623422	47.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81456	51.091	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

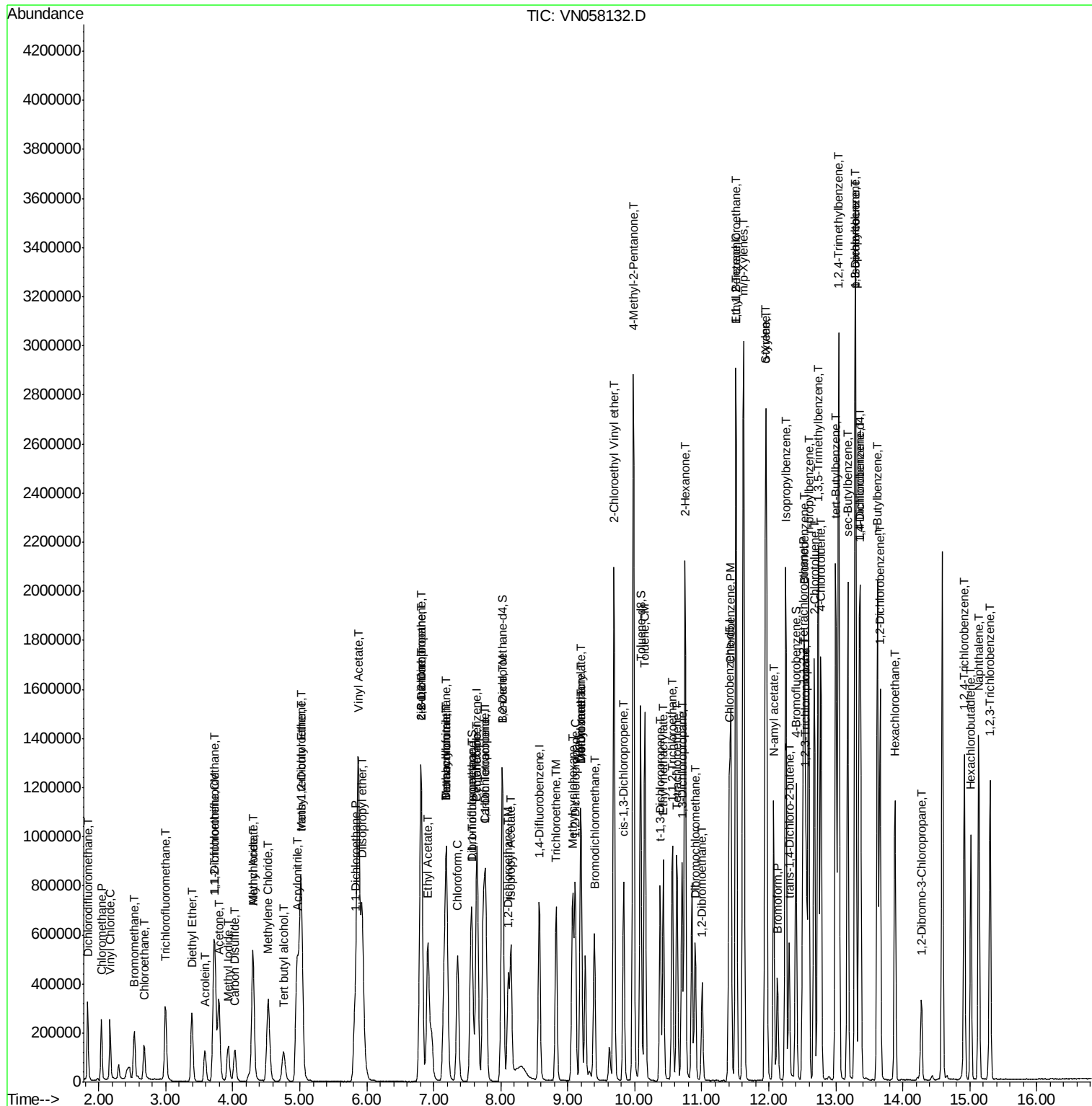
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	394192	46.005	ug/l	99
94) Hexachlorobutadiene	15.02	225	174467	48.034	ug/l	99
95) Naphthalene	15.13	128	1109623	51.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	365680	48.908	ug/l	99

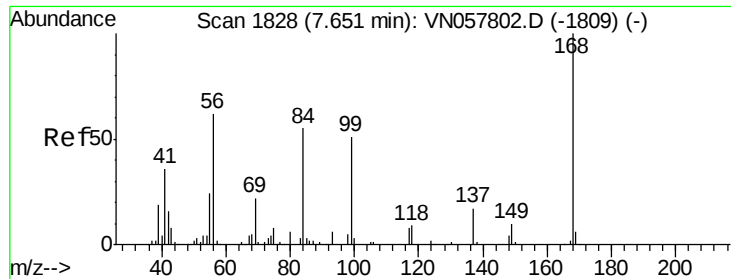
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

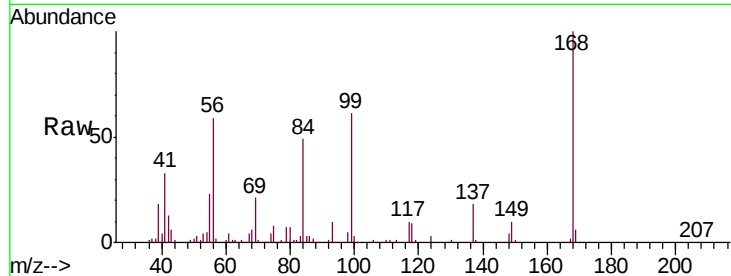
VSTDCCC050EC

Tgt Ion:168 Resp: 393830

Ion Ratio Lower Upper

168 100

99 60.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

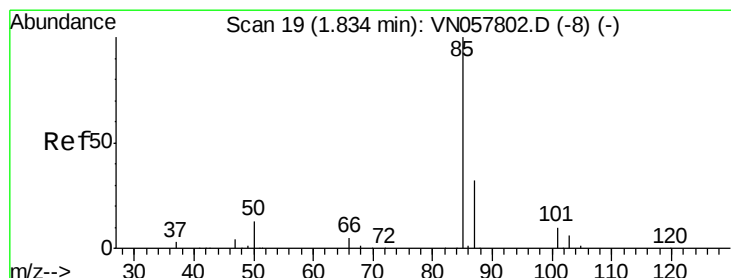
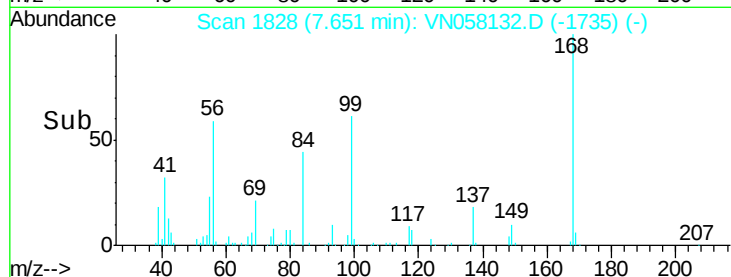
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.287 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058132.D

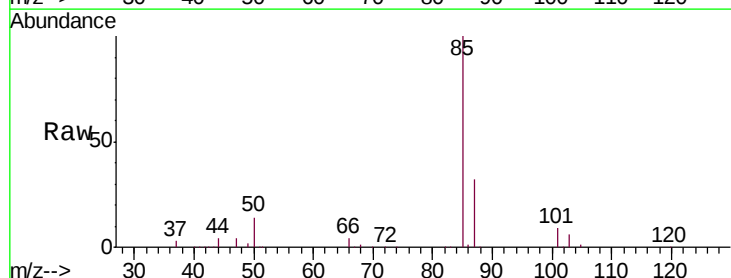
Acq: 16 Sep 2019 20:09

Tgt Ion: 85 Resp: 241210

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

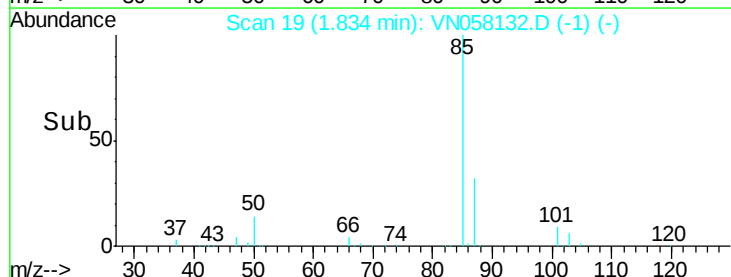
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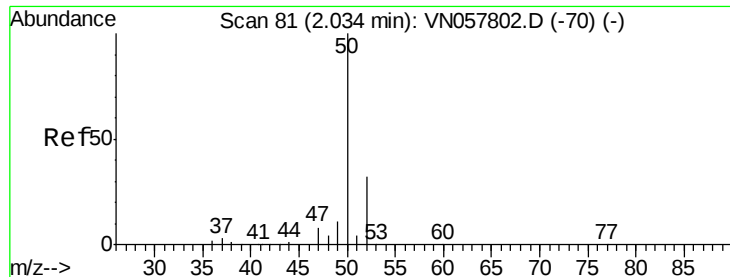
50000

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1.75 1.80 1.85 1.90

Time-->

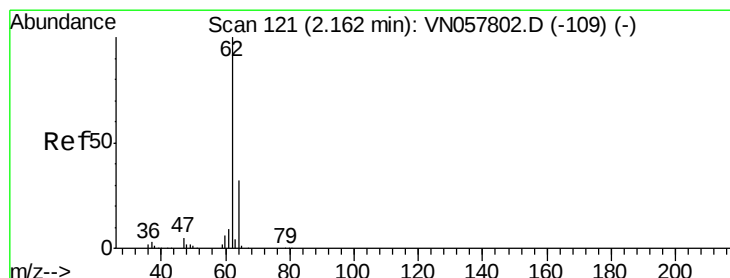
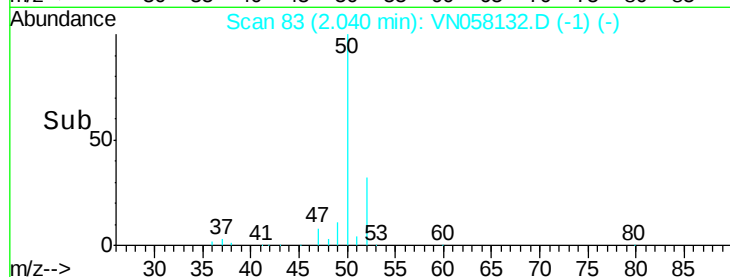
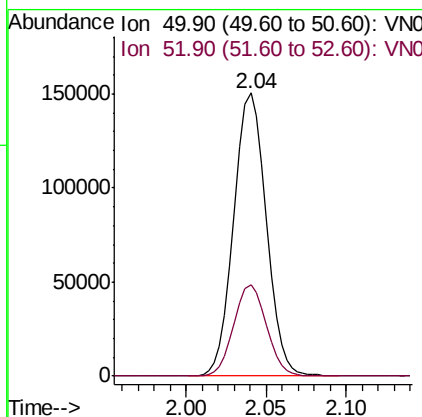
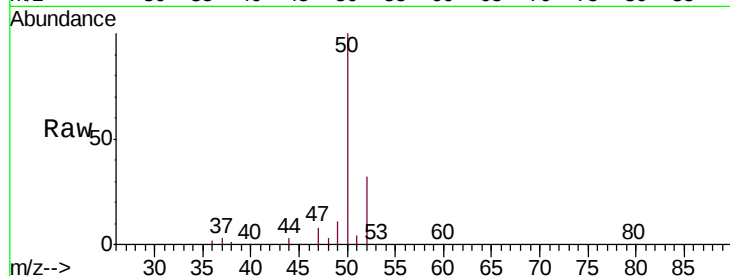




#3
 Chloromethane
 Concen: 37.488 ug/l
 RT: 2.04 min Scan# 83
 Delta R.T. 0.01 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

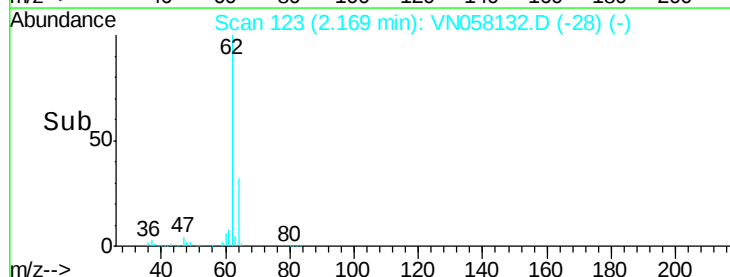
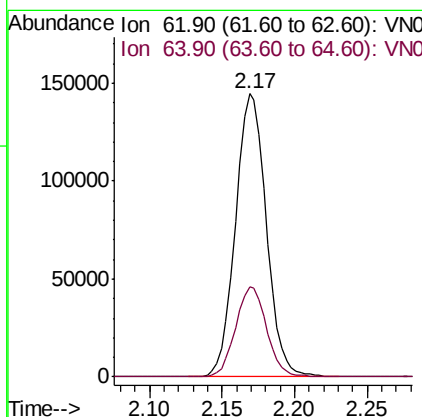
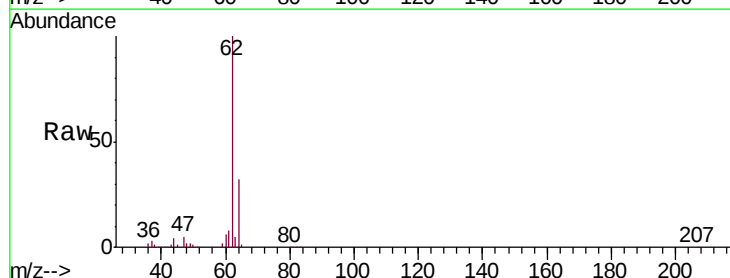
Instrument :
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 ClientSampleId :
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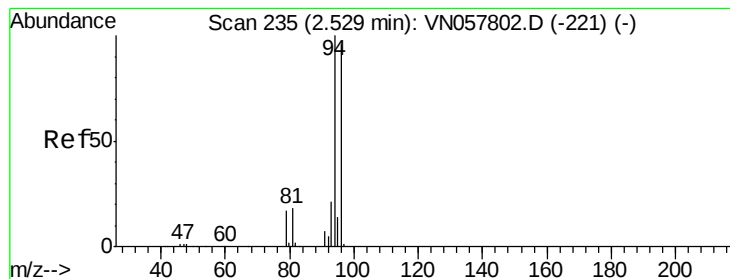
Tgt Ion: 50 Resp: 208103
 Ion Ratio Lower Upper
 50 100
 52 32.2 25.5 38.3



#4
 Vinyl Chloride
 Concen: 36.291 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.01 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 62 Resp: 213217
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.6 38.4





#5

Bromomethane

Concen: 40.667 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

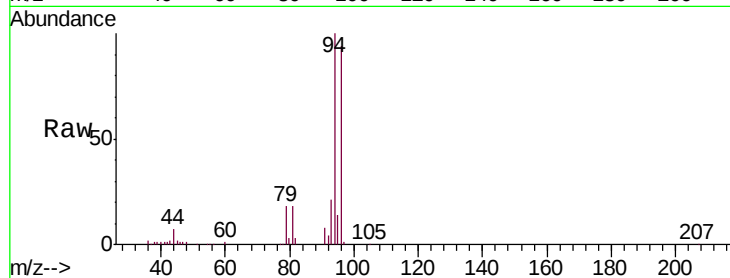
VSTDCCC050EC

Tgt Ion: 94 Resp: 132213

Ion Ratio Lower Upper

94 100

96 93.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

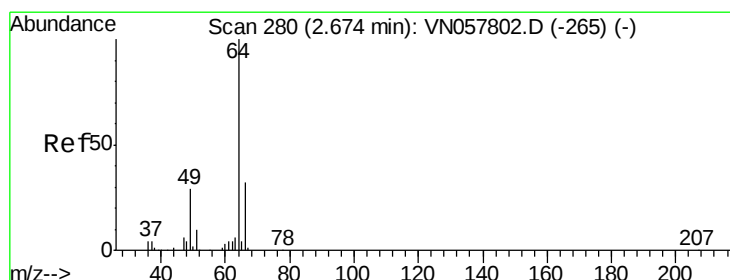
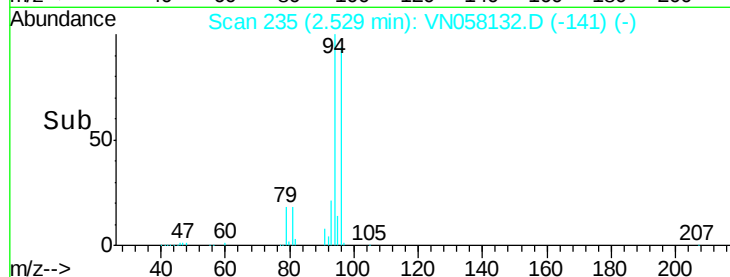
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 36.290 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN058132.D

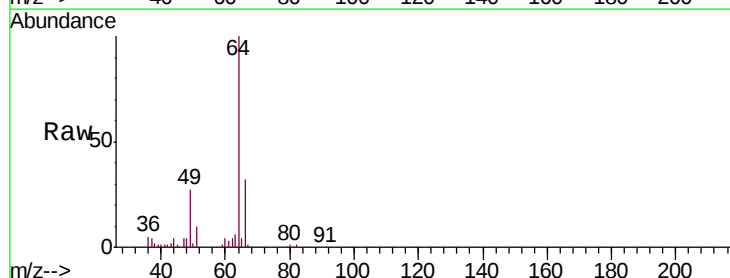
Acq: 16 Sep 2019 20:09

Tgt Ion: 64 Resp: 135862

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

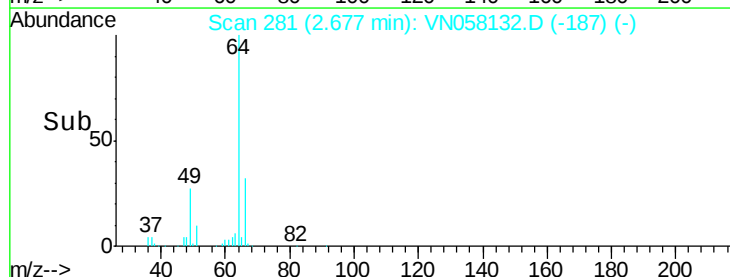
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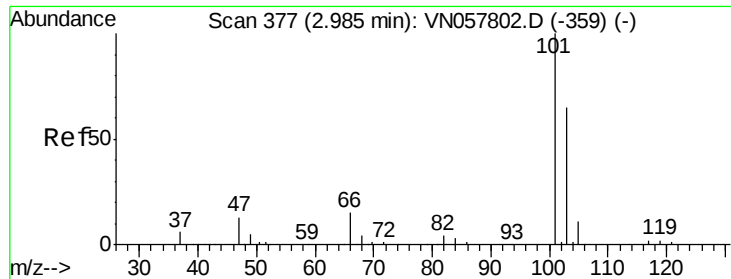
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20000

0

Time-->



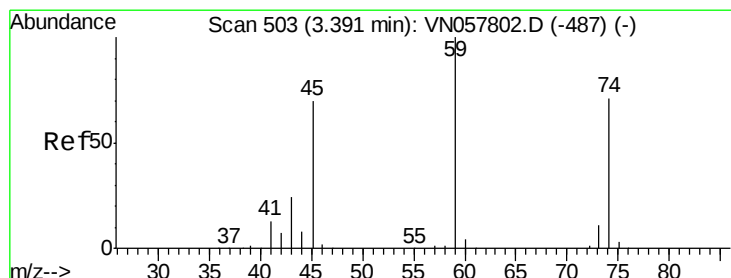
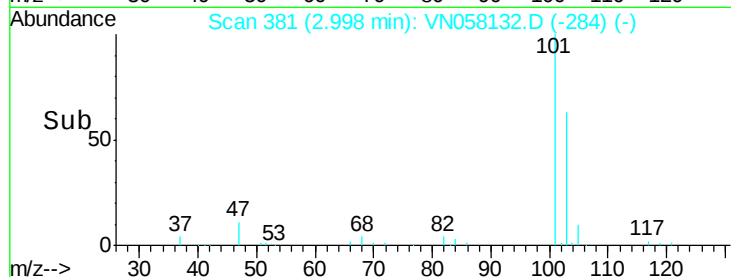
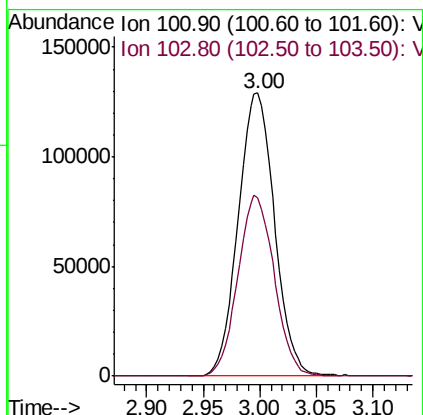
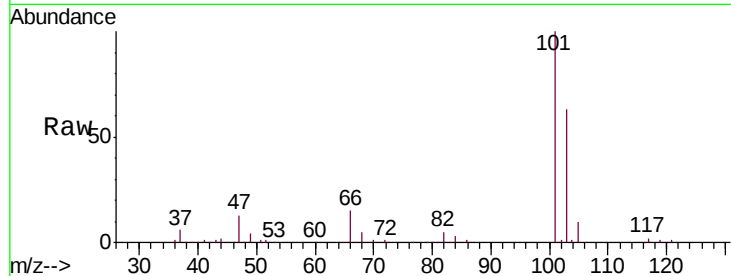


#7

Trichlorofluoromethane
 Concen: 39.106 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
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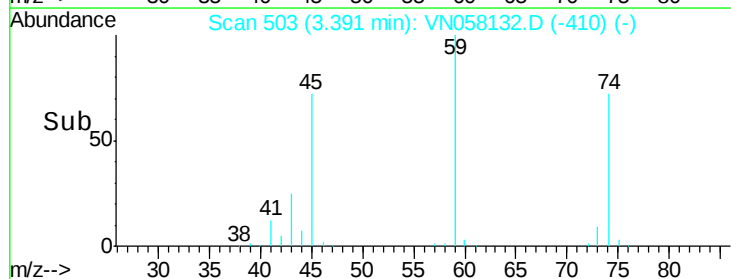
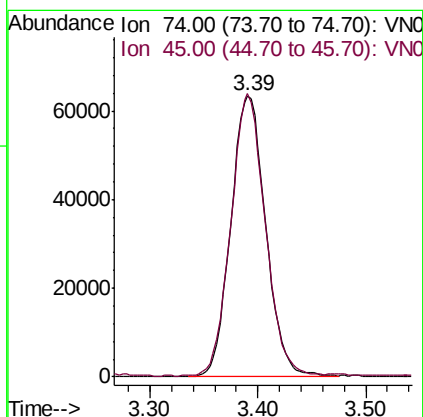
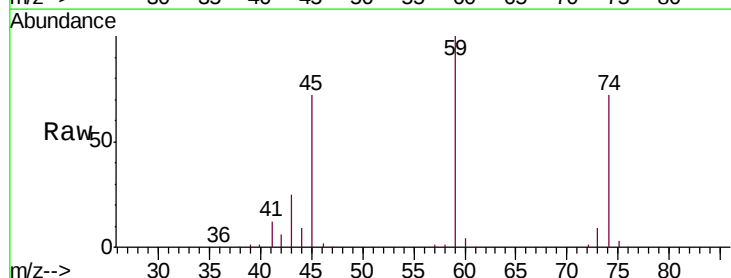
Tgt Ion:101 Resp: 289132
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.9 77.9

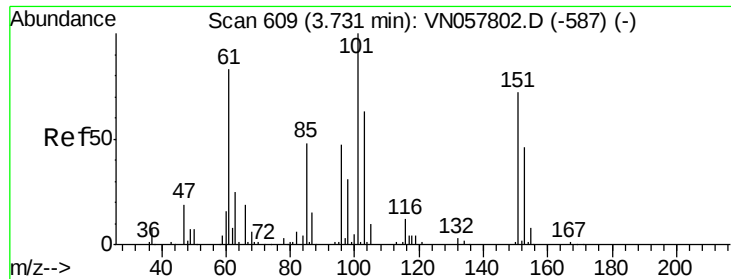


#8

Diethyl Ether
 Concen: 46.344 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 74 Resp: 142913
 Ion Ratio Lower Upper
 74 100
 45 98.9 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.872 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

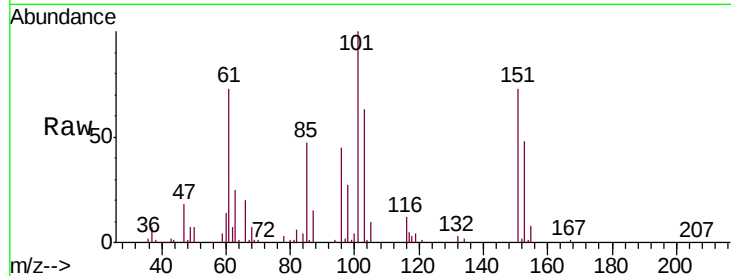
Tgt Ion:101 Resp: 213954

Ion Ratio Lower Upper

101 100

85 46.7 38.1 57.1

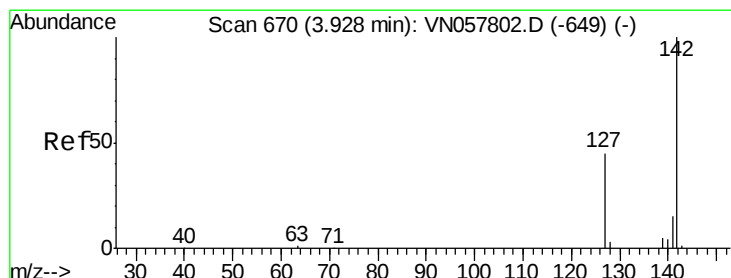
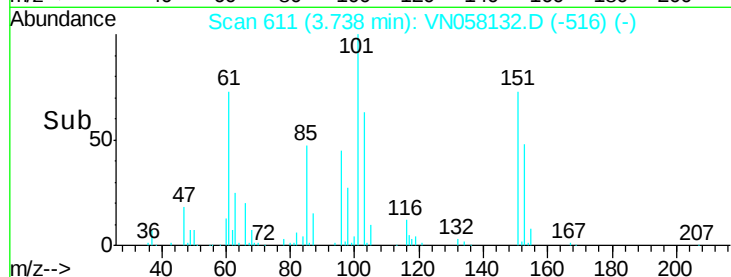
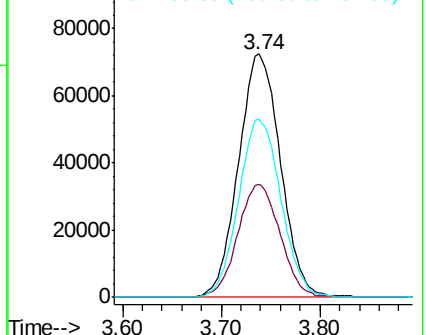
151 74.0 58.4 87.6



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: 44.588 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

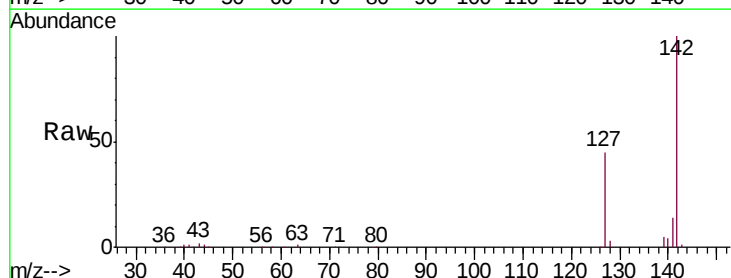
Tgt Ion:142 Resp: 231420

Ion Ratio Lower Upper

142 100

127 46.5 36.7 55.1

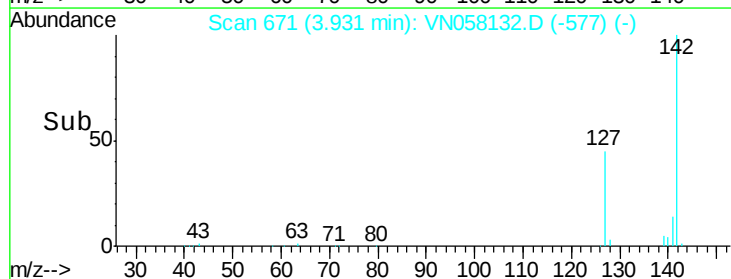
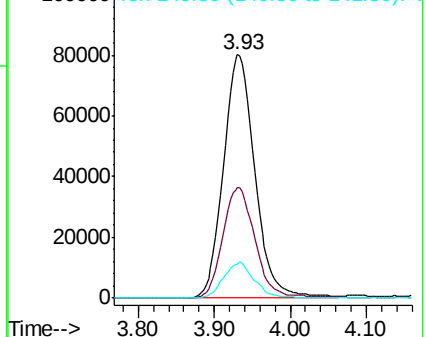
141 14.3 11.4 17.0

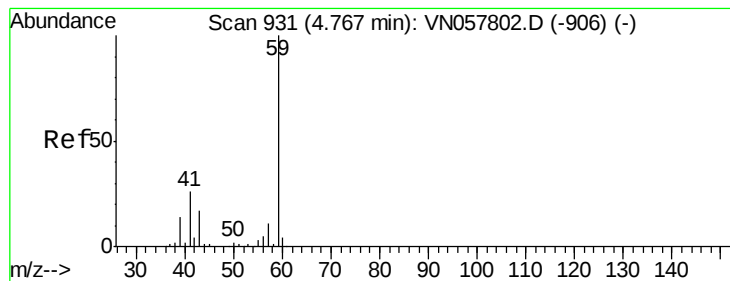


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



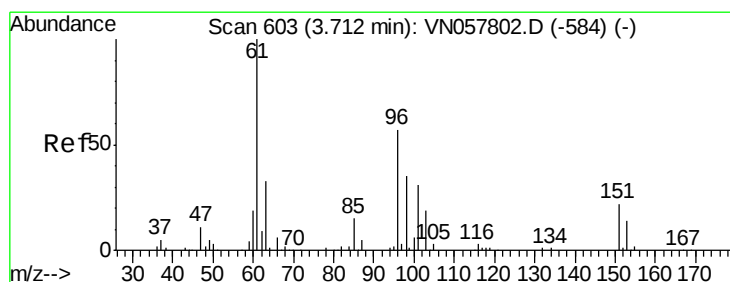
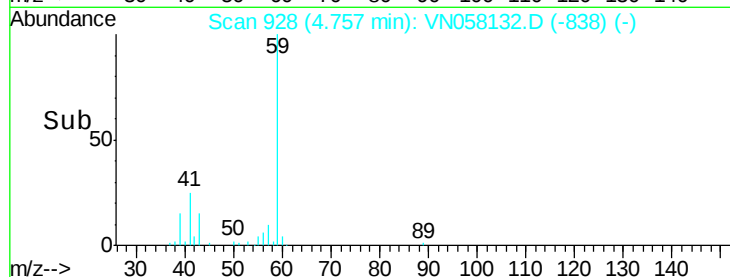
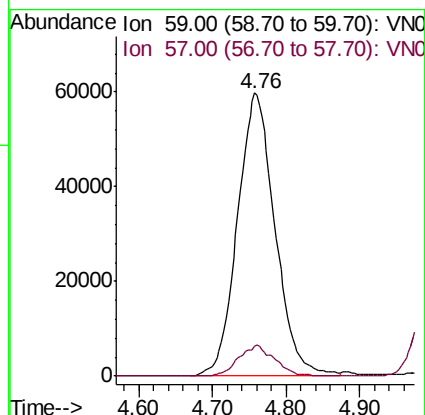
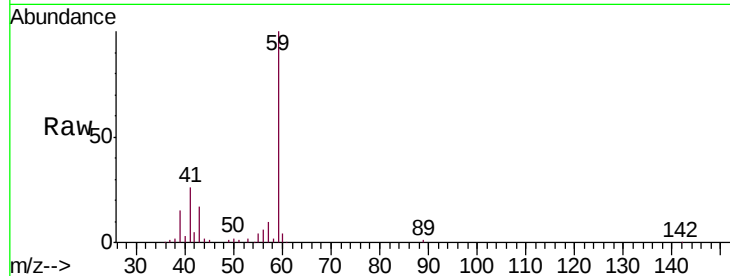


#11

Tert butyl alcohol
 Concen: 219.563 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

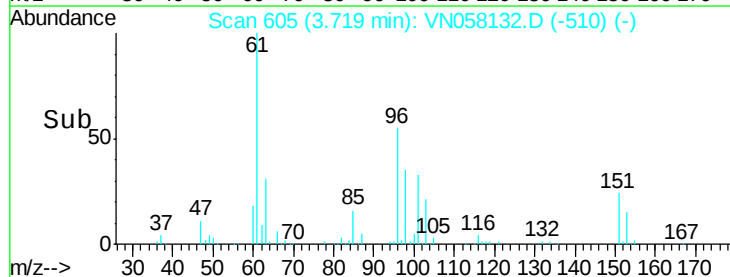
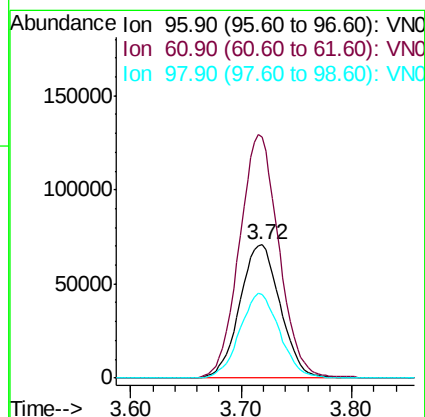
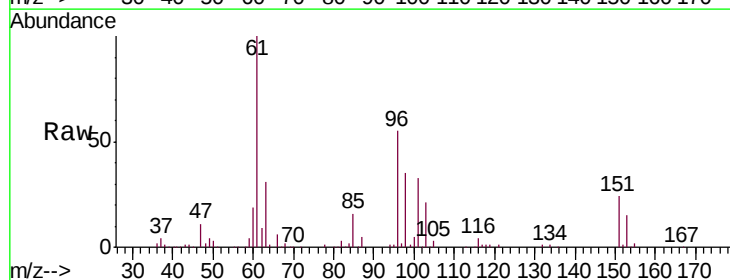
Tgt Ion: 59 Resp: 211974
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.4 12.6

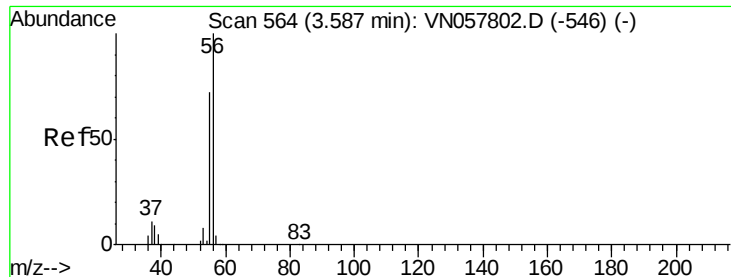


#12

1,1-Dichloroethene
 Concen: 42.979 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 96 Resp: 180237
 Ion Ratio Lower Upper
 96 100
 61 180.9 141.2 211.8
 98 63.2 49.9 74.9





#13

Acrolein

Concen: 165.907 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

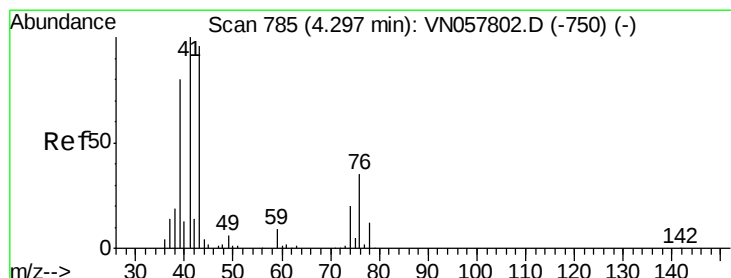
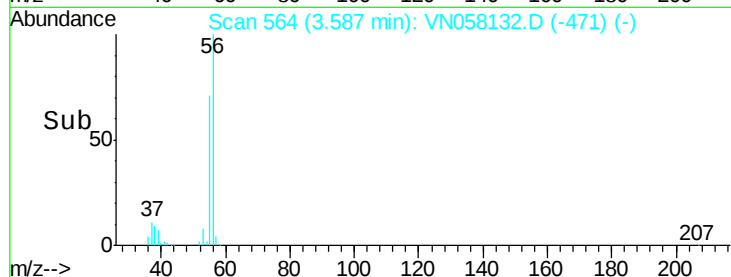
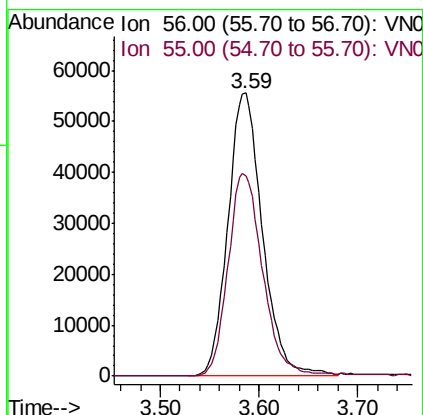
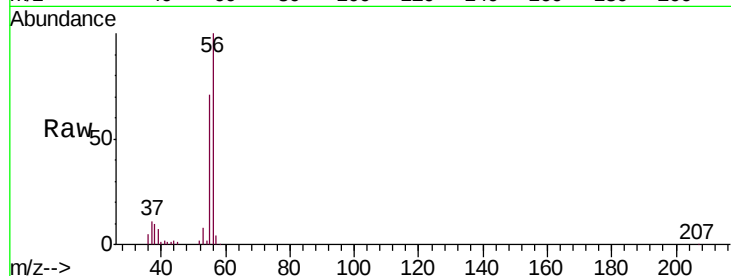
VSTDCCC050EC

Tgt Ion: 56 Resp: 135890

Ion Ratio Lower Upper

56 100

55 71.4 57.3 85.9



#14

Allyl chloride

Concen: 43.815 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

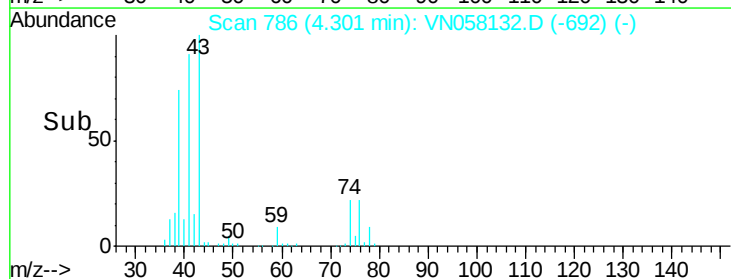
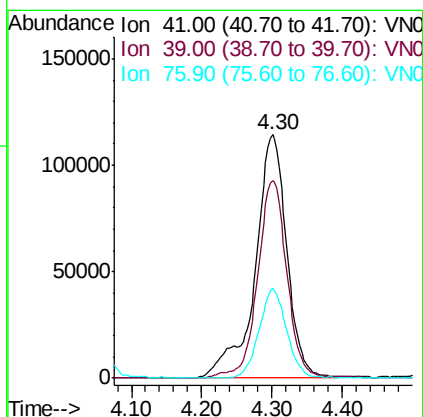
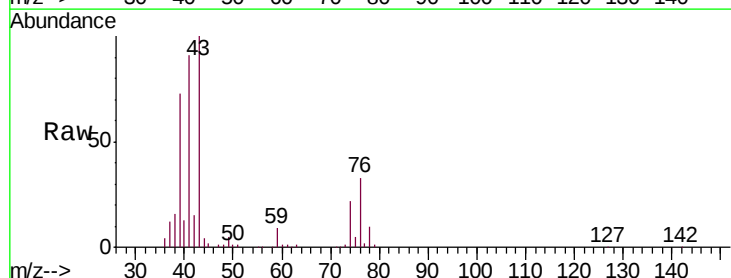
Tgt Ion: 41 Resp: 359582

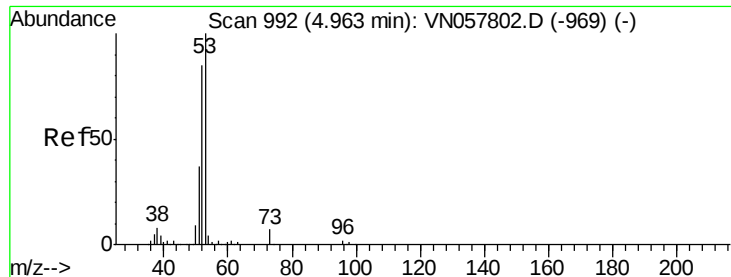
Ion Ratio Lower Upper

41 100

39 75.0 59.4 89.2

76 31.9 26.0 39.0





#15

Acrylonitrile

Concen: 240.088 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

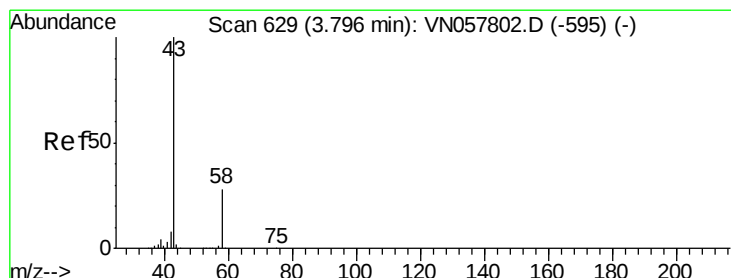
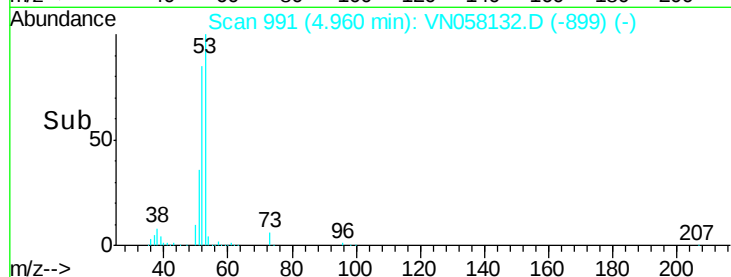
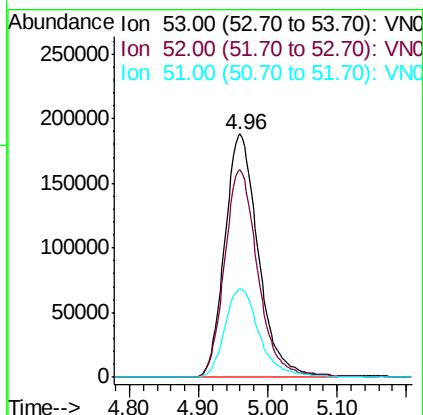
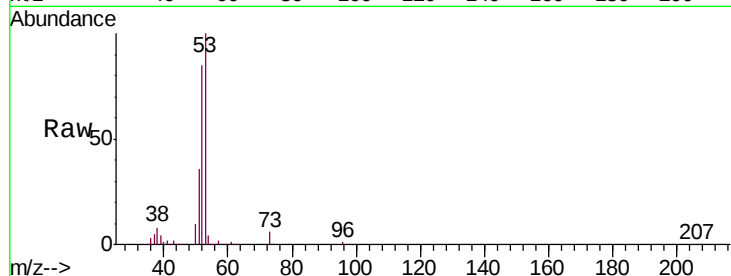
Tgt Ion: 53 Resp: 637098

Ion Ratio Lower Upper

53 100

52 84.0 66.6 100.0

51 37.4 29.8 44.8



#16

Acetone

Concen: 200.579 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058132.D

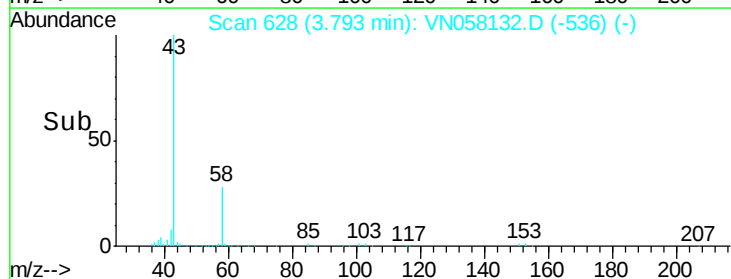
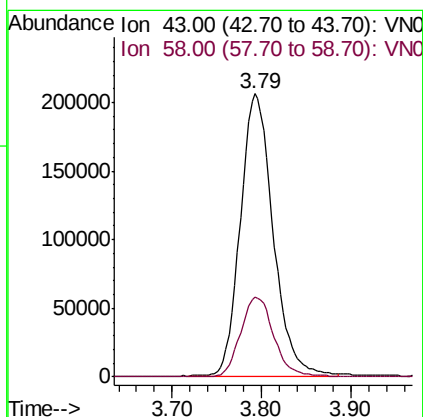
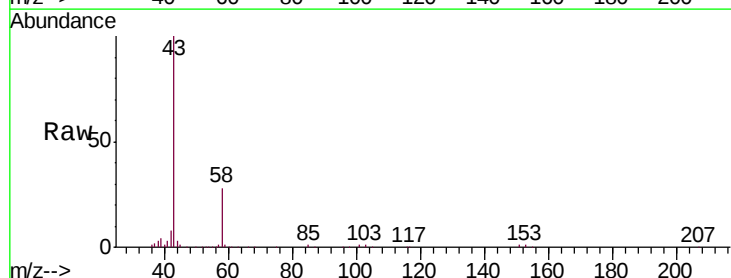
Acq: 16 Sep 2019 20:09

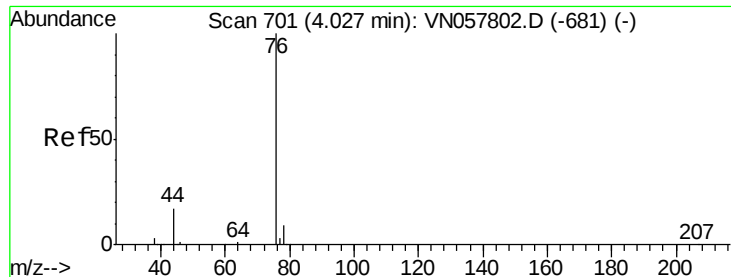
Tgt Ion: 43 Resp: 524498

Ion Ratio Lower Upper

43 100

58 28.2 22.2 33.2

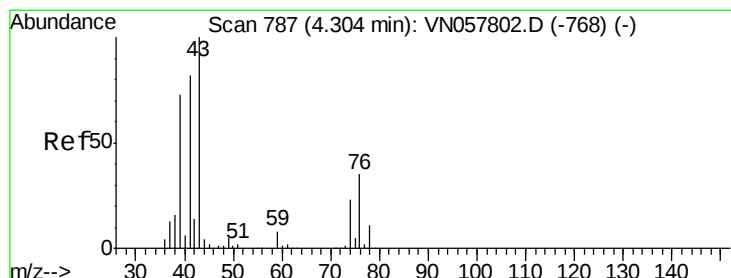
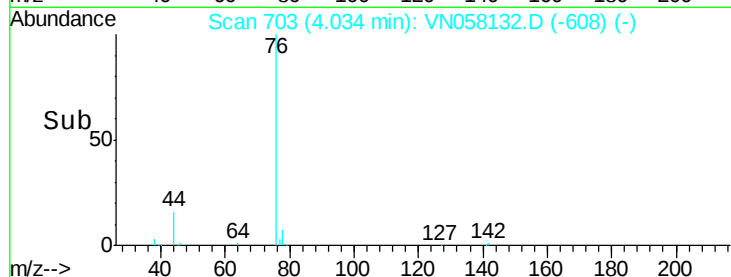
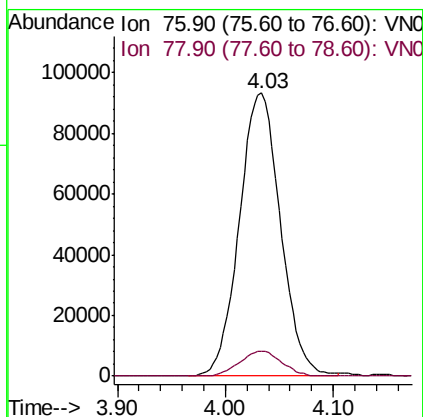
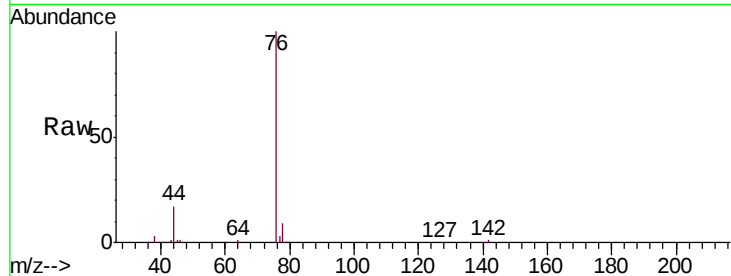




#17
Carbon Disulfide
Concen: 37.934 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

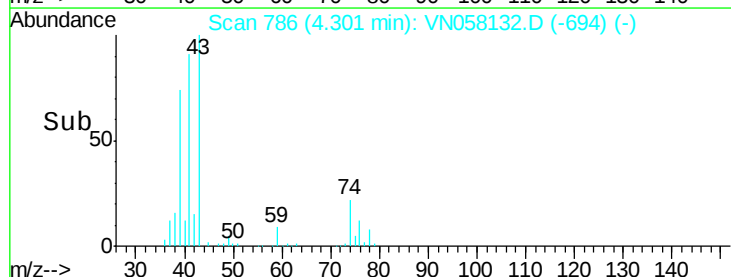
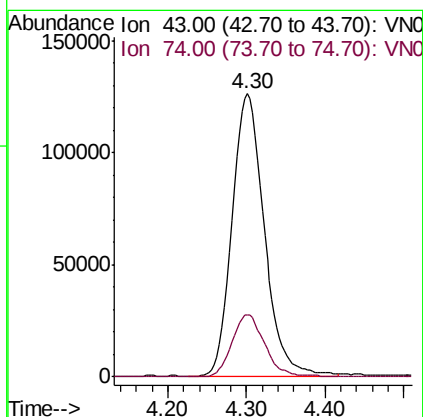
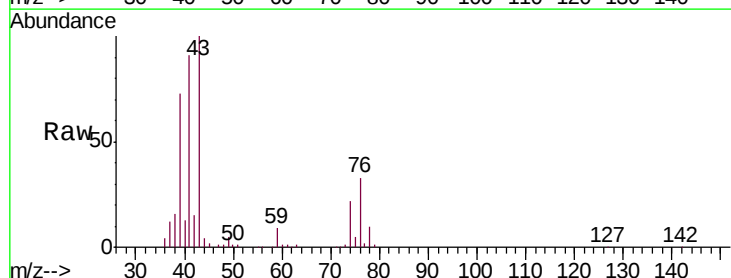
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

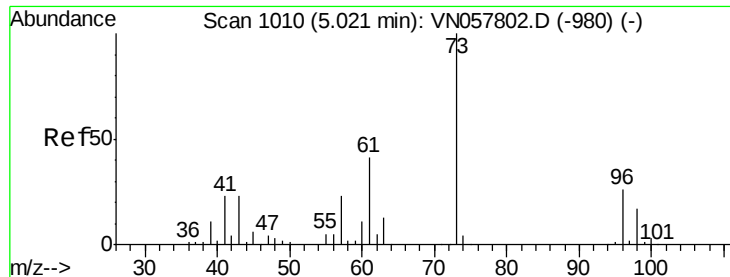
Tgt Ion: 76 Resp: 247342
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 51.568 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 43 Resp: 359537
Ion Ratio Lower Upper
43 100
74 22.6 17.9 26.9

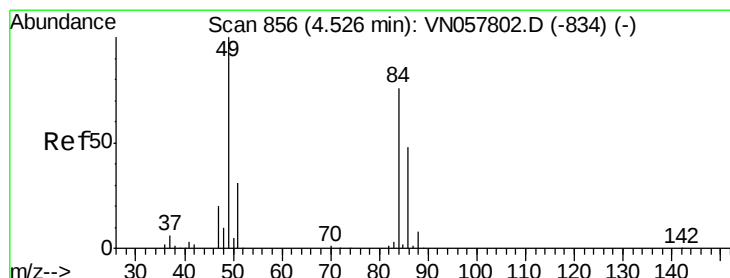
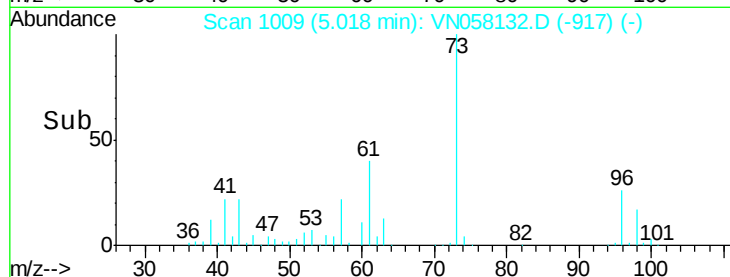
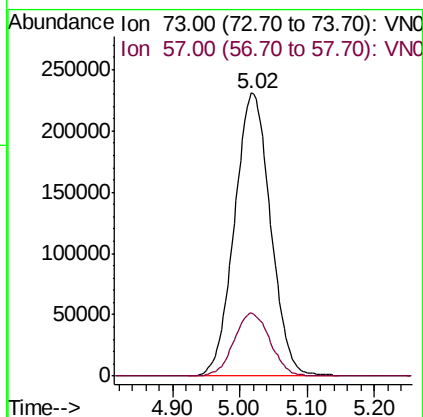
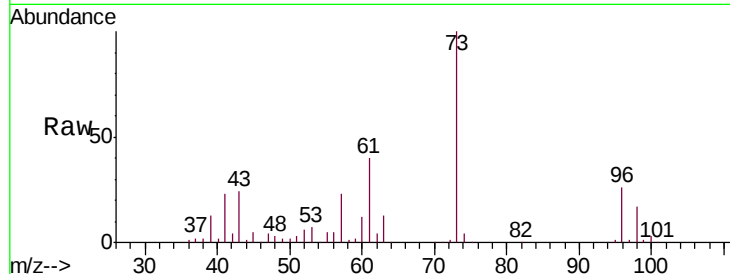




#19
Methyl tert-butyl Ether
Concen: 49.272 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

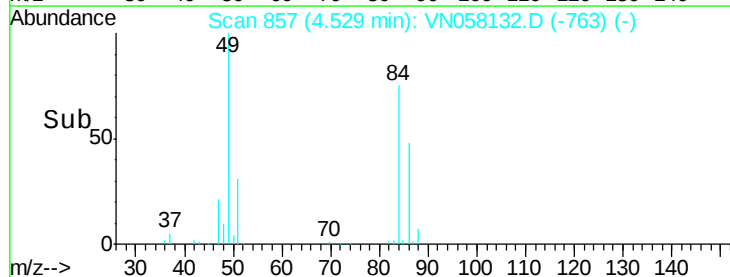
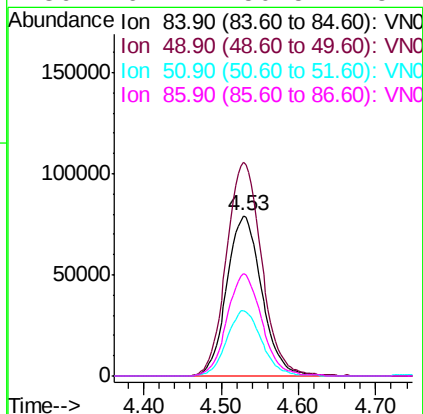
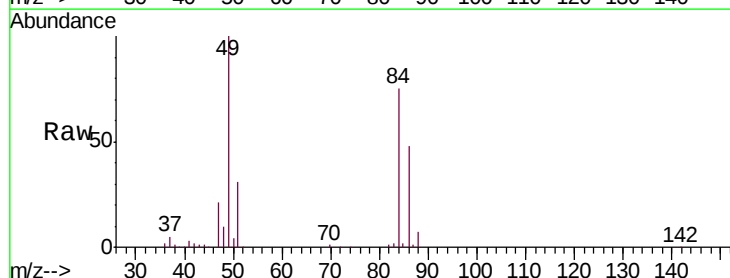
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

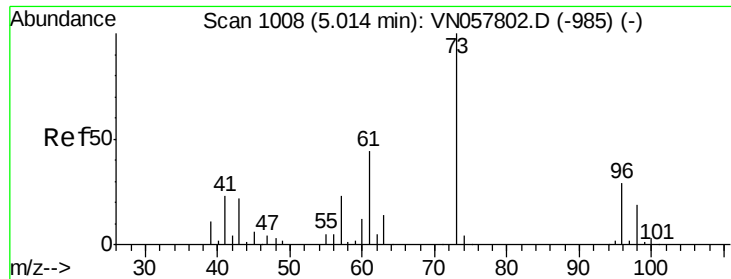
Tgt Ion: 73 Resp: 859910
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2



#20
Methylene Chloride
Concen: 50.006 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 84 Resp: 248934
Ion Ratio Lower Upper
84 100
49 133.2 104.8 157.2
51 41.1 33.0 49.4
86 64.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 42.114 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

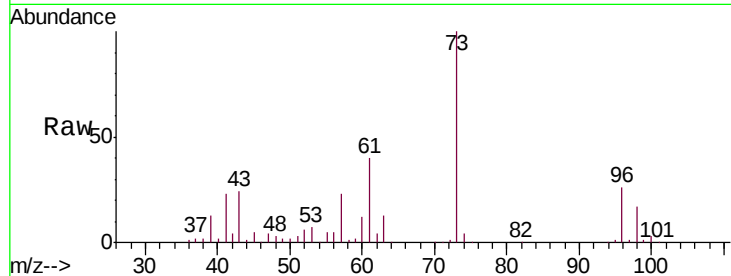
Tgt Ion: 96 Resp: 190914

Ion Ratio Lower Upper

96 100

61 149.9 121.9 182.9

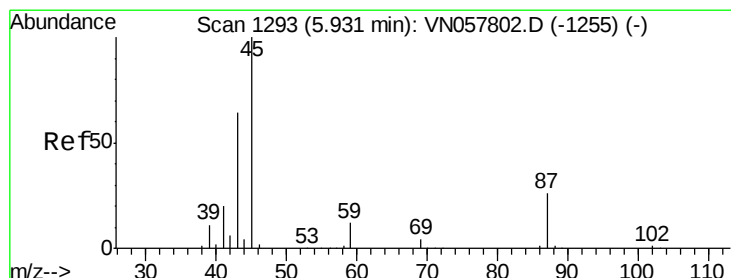
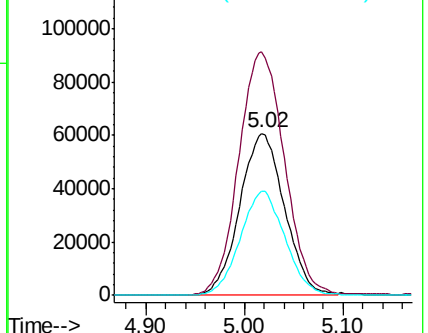
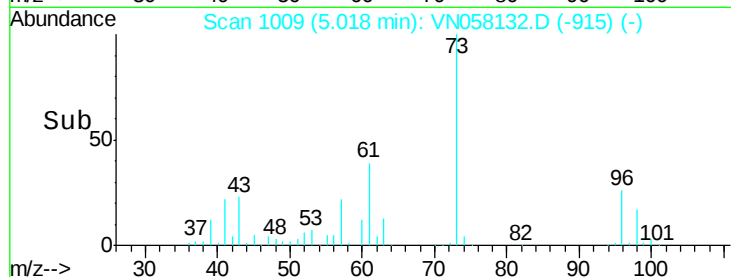
98 64.1 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VN058132.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN058132.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN058132.D (-915) (-)



#22

Diisopropyl ether

Concen: 49.251 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion: 45 Resp: 947886

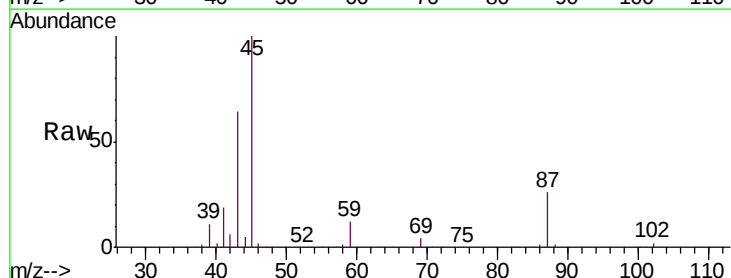
Ion Ratio Lower Upper

45 100

43 64.1 51.4 77.2

87 26.3 21.3 31.9

59 11.7 9.3 13.9

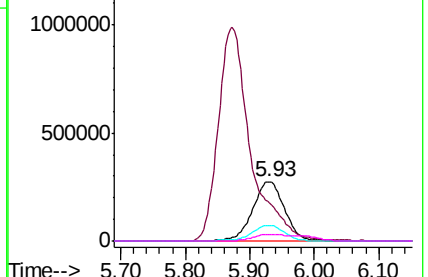
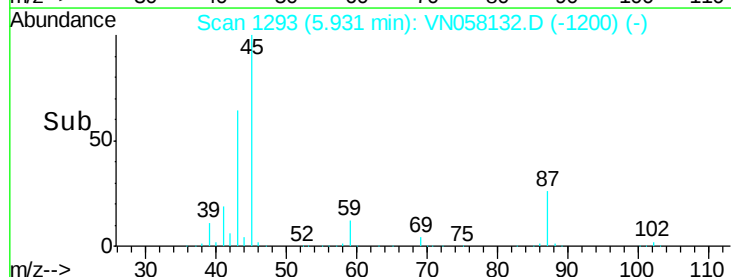


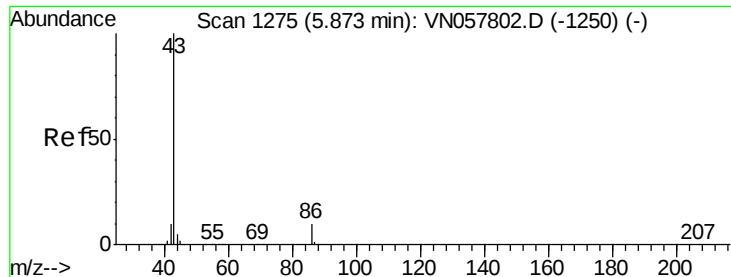
Abundance Ion 45.00 (44.70 to 45.70): VN058132.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058132.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058132.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058132.D (-1200) (-)

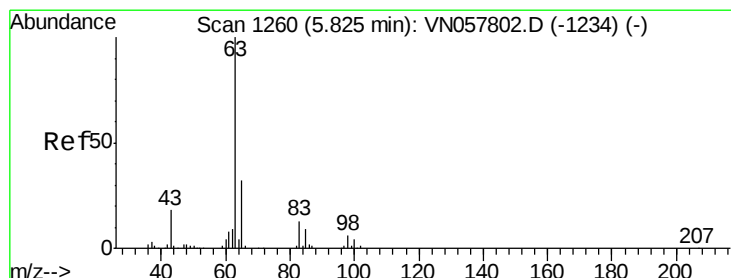
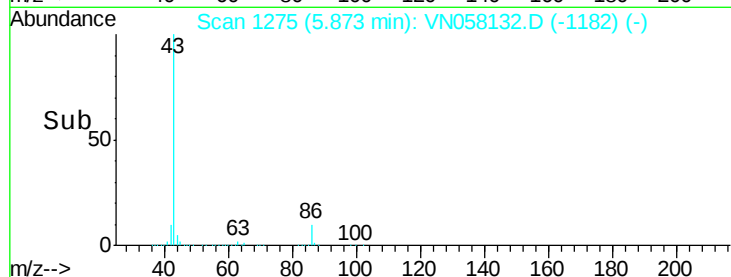
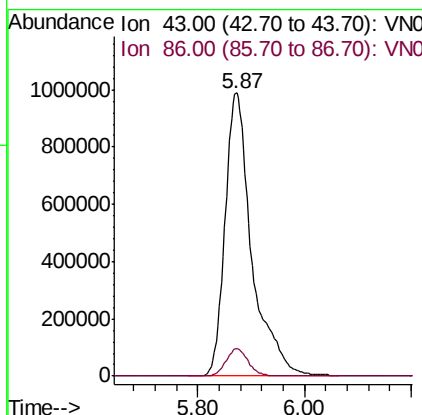
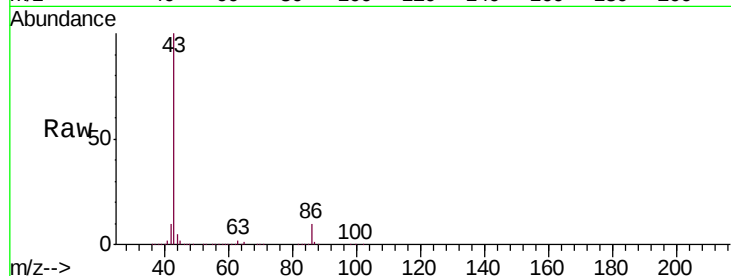




#23
 Vinyl Acetate
 Concen: 252.570 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

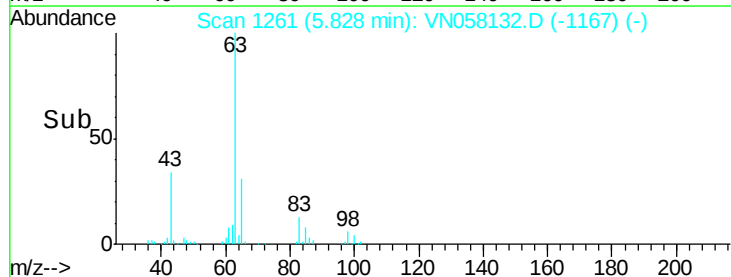
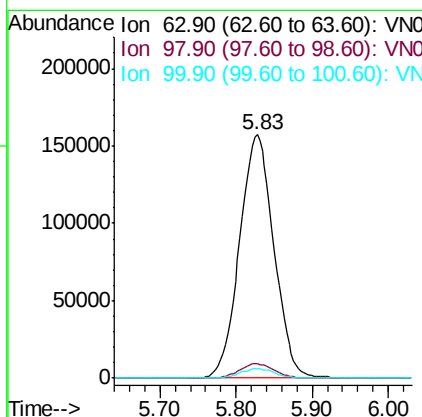
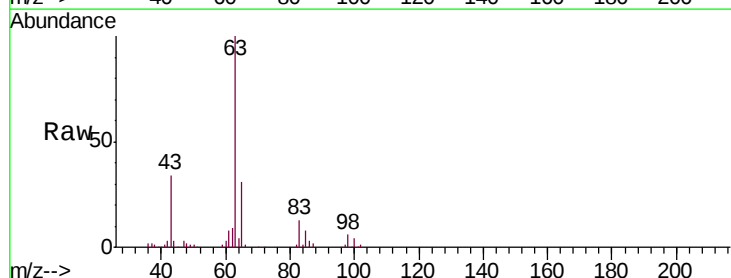
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

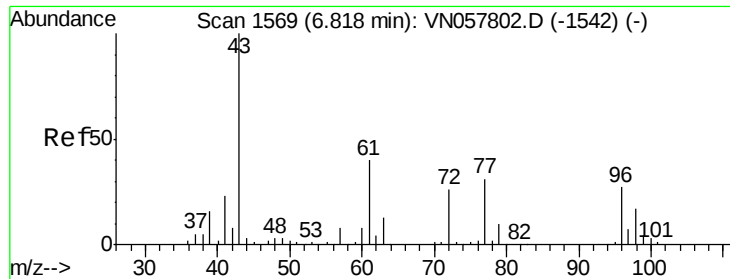
Tgt Ion: 43 Resp: 3444951
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 46.925 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 63 Resp: 493576
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 4.0 2.0 5.8

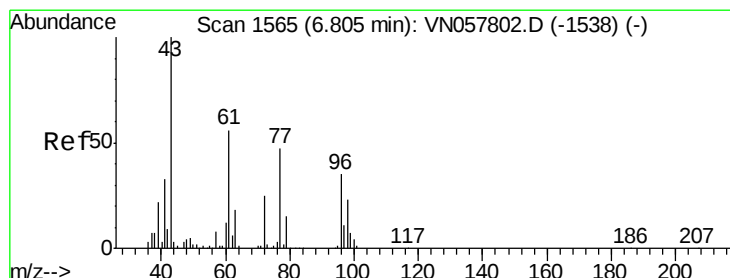
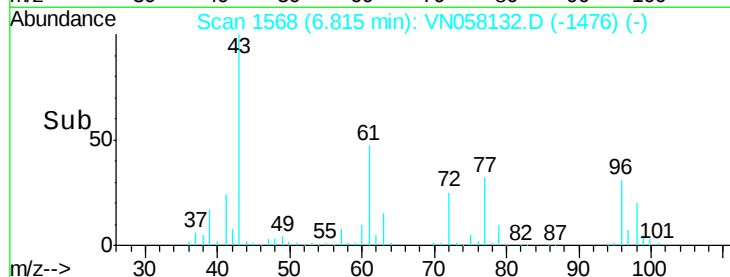
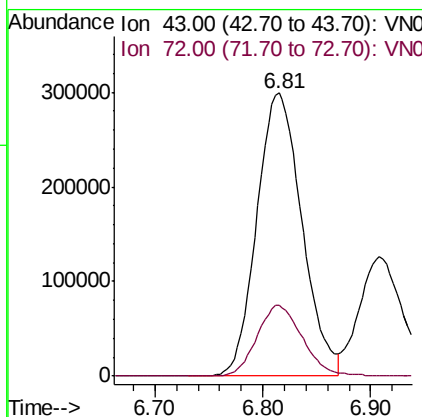
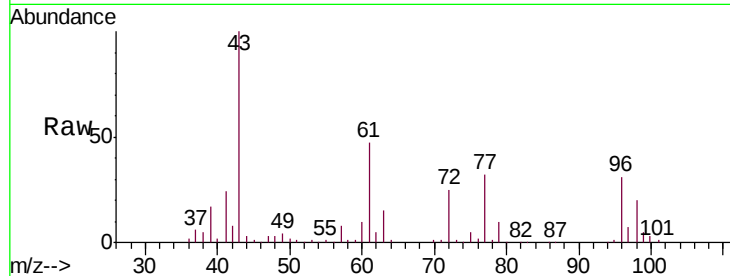




#25
2-Butanone
Concen: 228.636 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

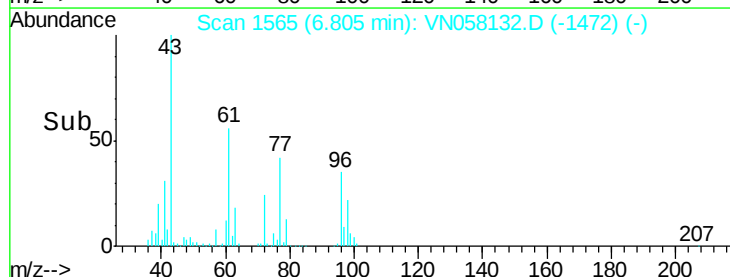
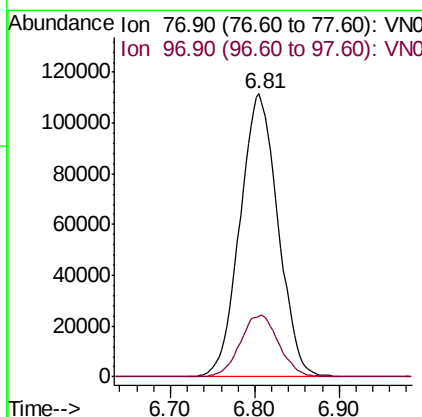
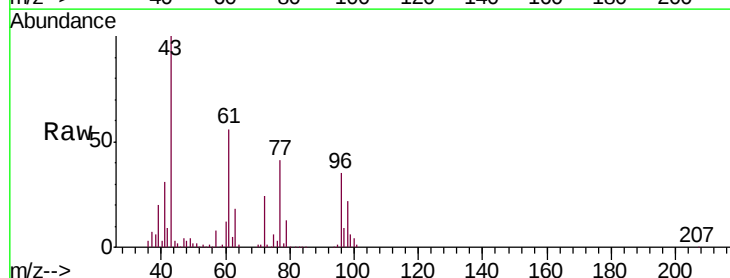
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

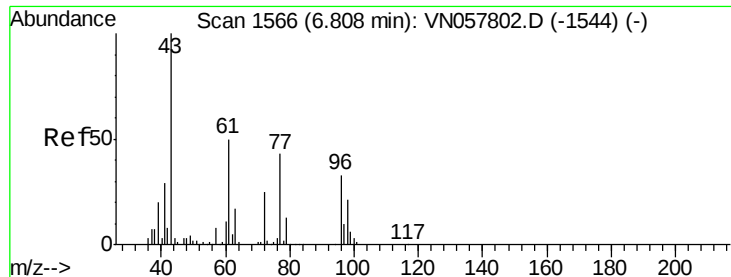
Tgt Ion: 43 Resp: 865320
Ion Ratio Lower Upper
43 100
72 25.0 20.6 30.8



#26
2,2-Dichloropropane
Concen: 42.024 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 77 Resp: 349811
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 45.887 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

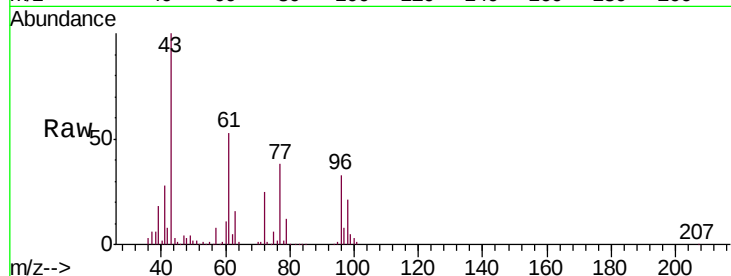
Tgt Ion: 96 Resp: 278773

Ion Ratio Lower Upper

96 100

61 158.8 0.0 314.0

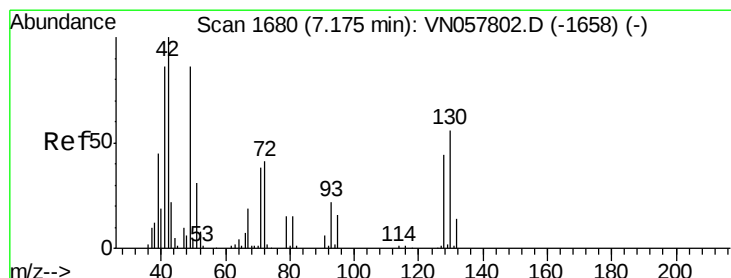
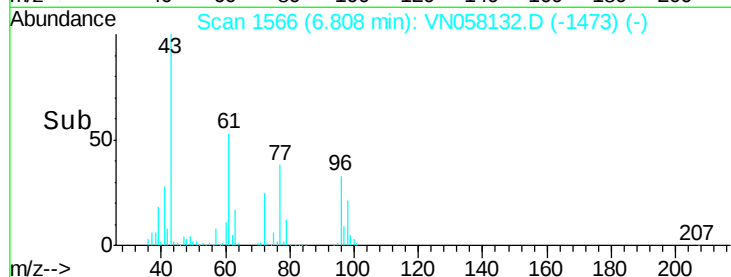
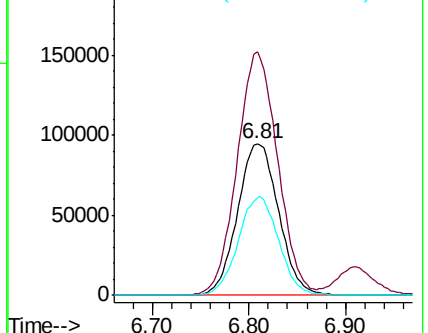
98 64.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN058132.D (-1473) (-)

Ion 60.90 (60.60 to 61.60): VN058132.D (-1473) (-)

Ion 97.90 (97.60 to 98.60): VN058132.D (-1473) (-)



#28

Bromochloromethane

Concen: 45.994 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

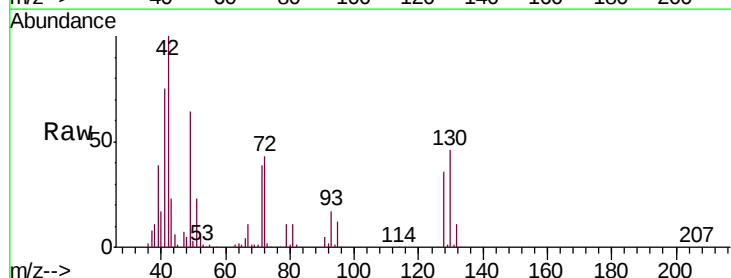
Tgt Ion: 49 Resp: 241692

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

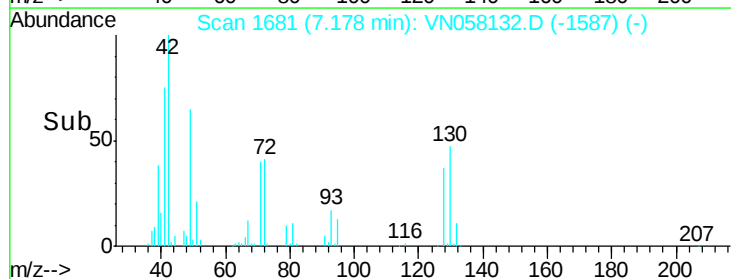
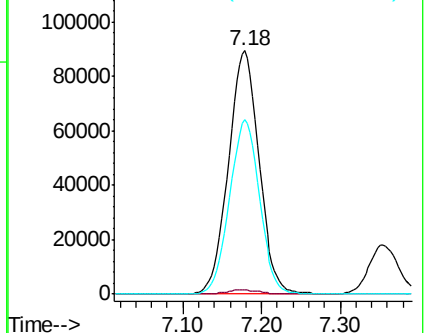
130 70.3 53.0 79.6

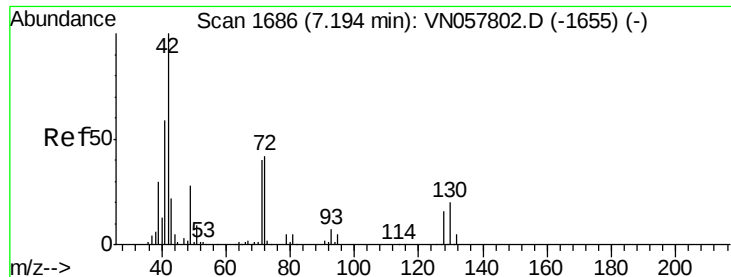


Abundance Ion 48.90 (48.60 to 49.60): VN058132.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058132.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058132.D (-1587) (-)

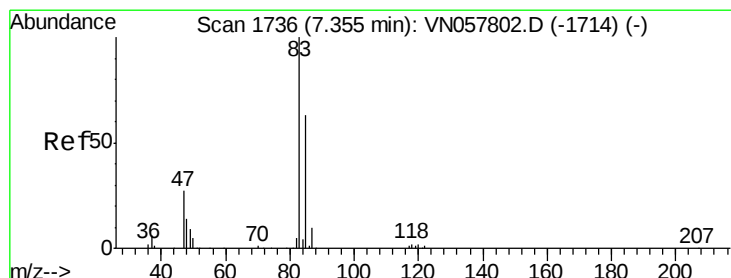
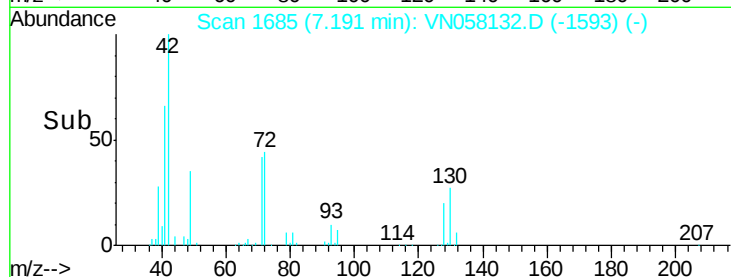
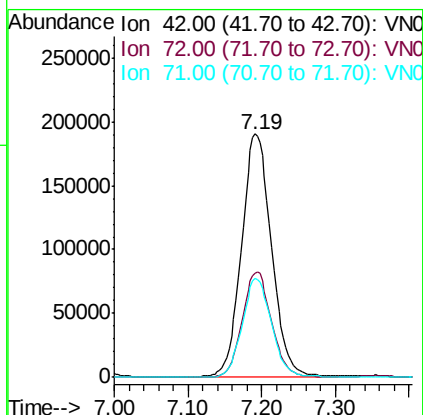
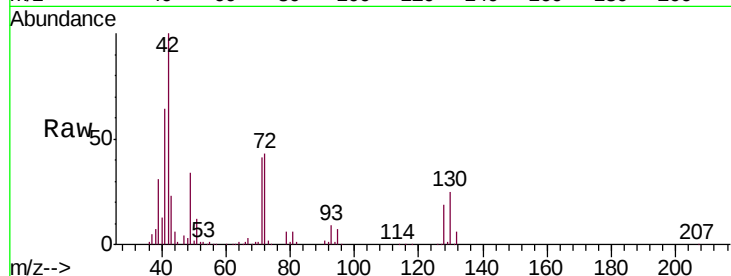




#29
Tetrahydrofuran
Concen: 231.311 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

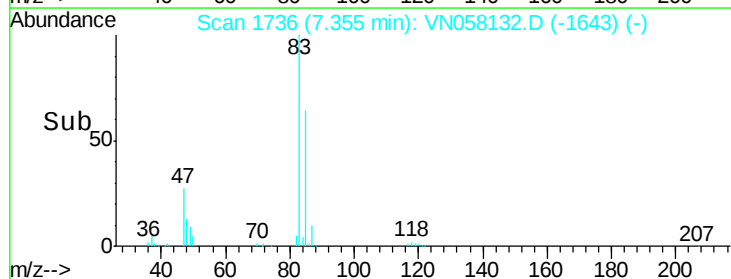
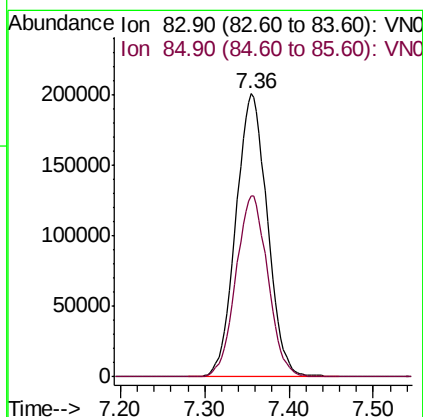
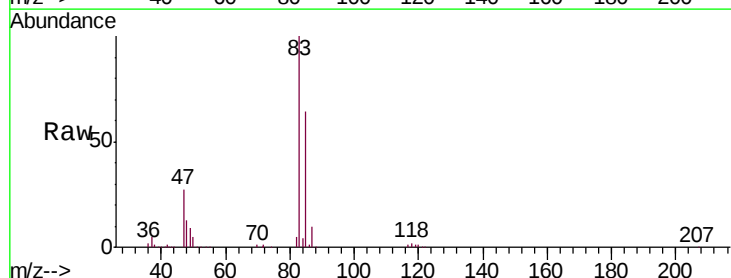
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

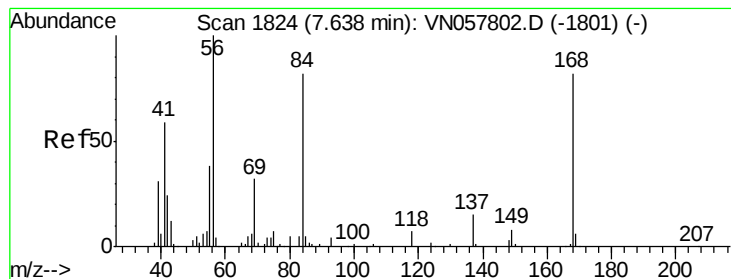
Tgt Ion: 42 Resp: 539452
Ion Ratio Lower Upper
42 100
72 42.4 33.7 50.5
71 39.6 31.9 47.9



#30
Chloroform
Concen: 47.504 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 83 Resp: 522444
Ion Ratio Lower Upper
83 100
85 64.1 50.6 75.8





#31

Cyclohexane

Concen: 45.289 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

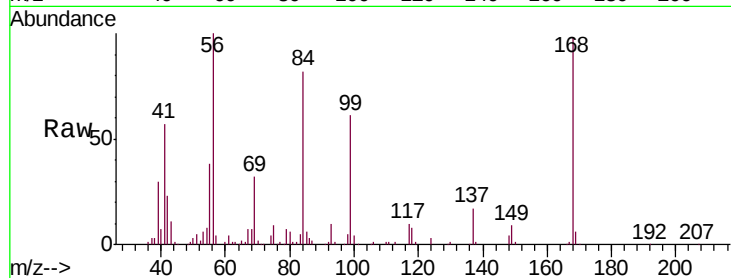
Tgt Ion: 56 Resp: 326136

Ion Ratio Lower Upper

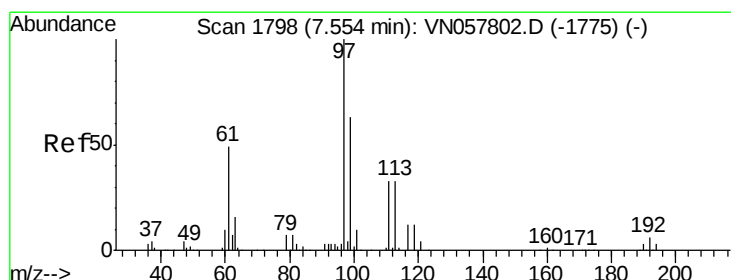
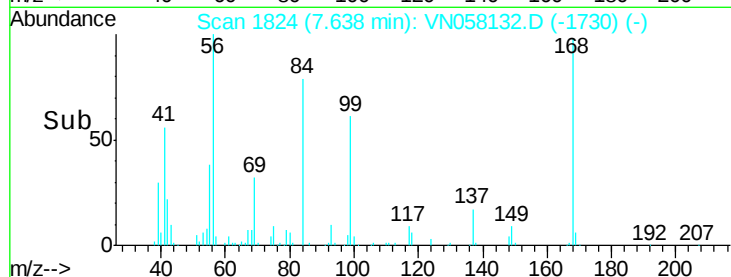
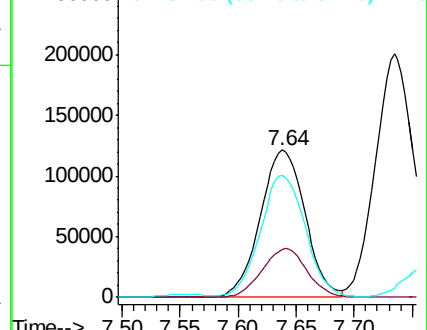
56 100

69 32.4 25.9 38.9

84 80.4 65.6 98.4



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



#32

1,1,1-Trichloroethane

Concen: 47.310 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

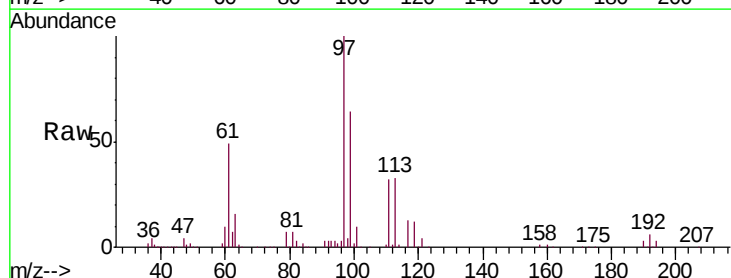
Tgt Ion: 97 Resp: 412660

Ion Ratio Lower Upper

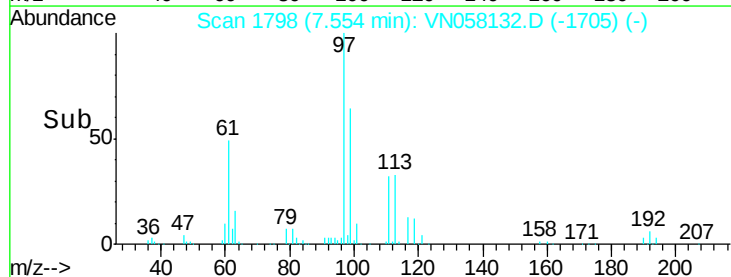
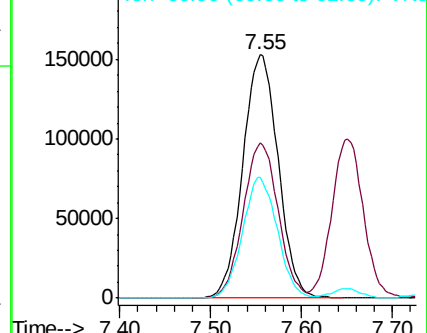
97 100

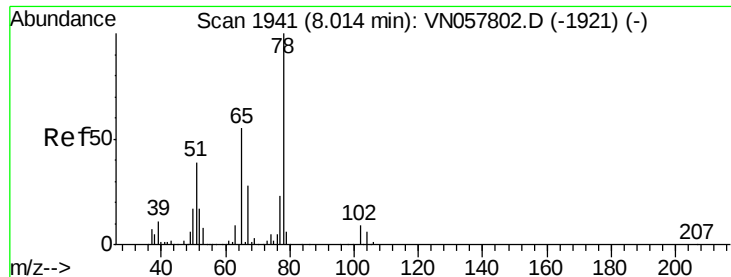
99 63.3 51.0 76.4

61 48.8 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

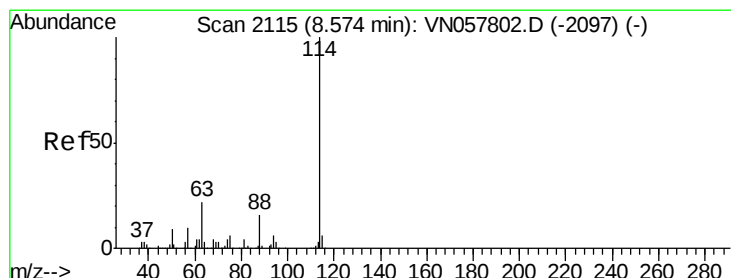
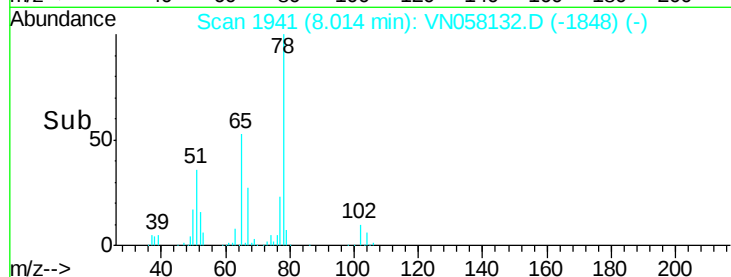
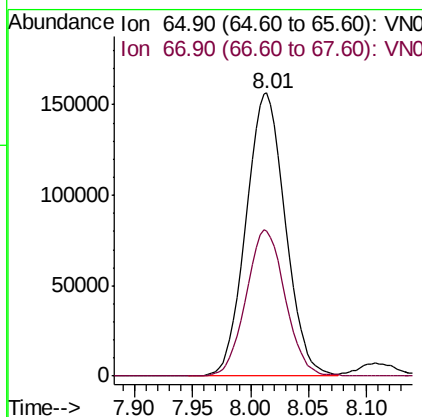
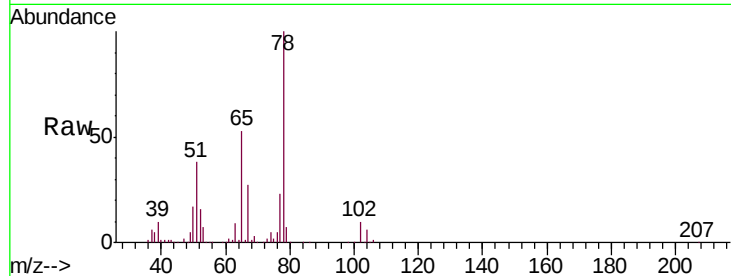




#33
 1,2-Dichloroethane-d4
 Concen: 46.364 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

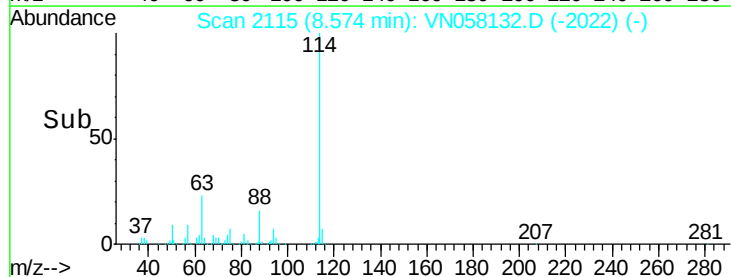
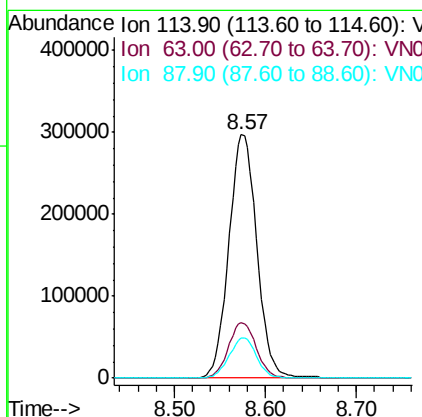
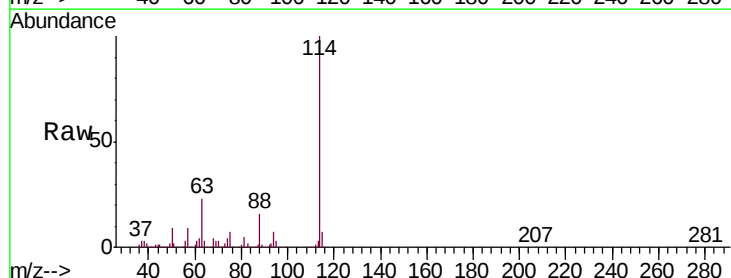
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

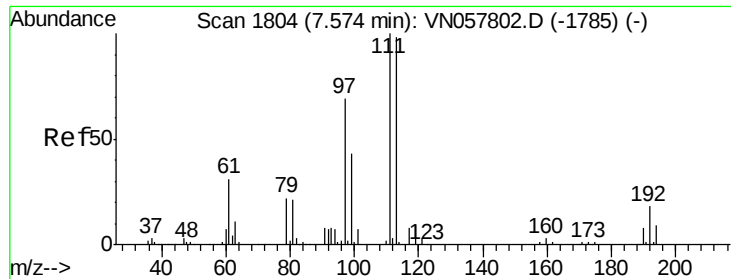
Tgt Ion: 65 Resp: 369834
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 114 Resp: 635270
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 16.2 0.0 31.4

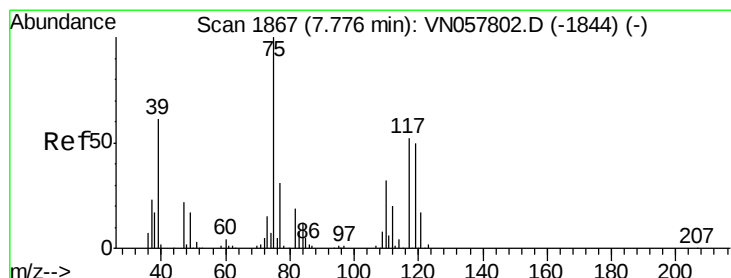
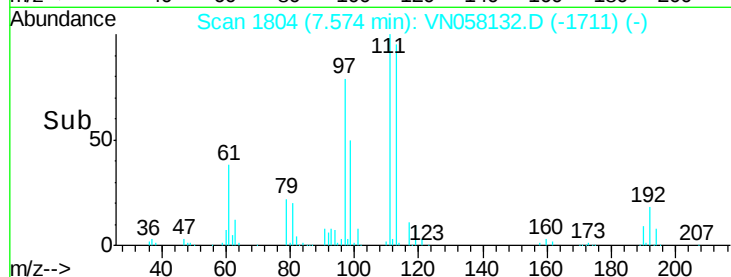
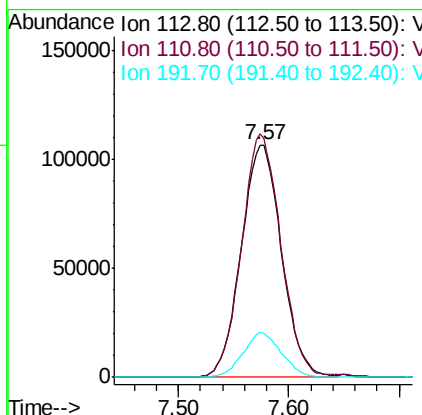
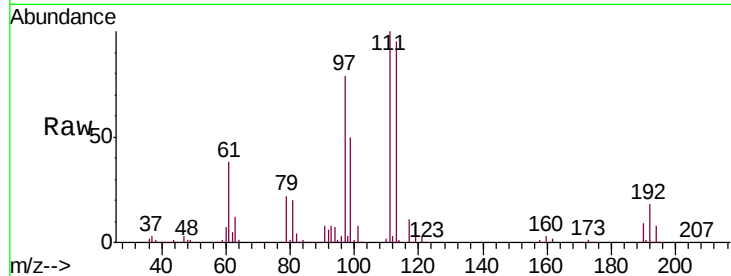




#35
 Dibromofluoromethane
 Concen: 46.146 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

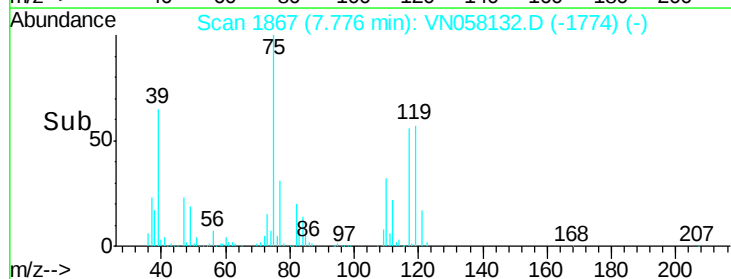
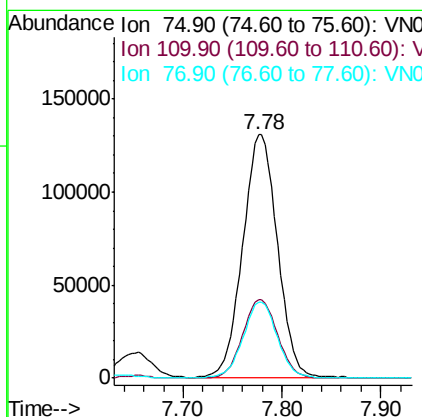
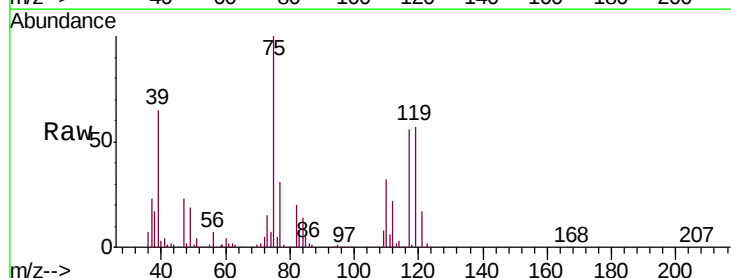
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

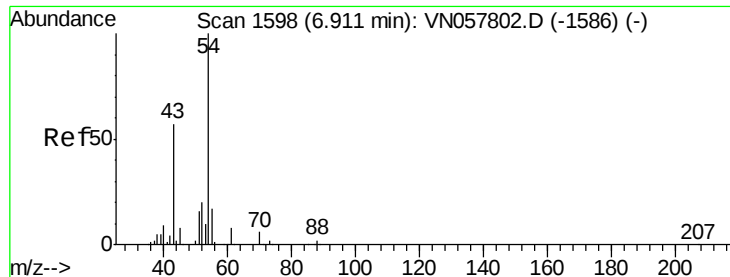
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.3	121.9
192	18.6	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 43.013 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	31.1	25.0	37.4

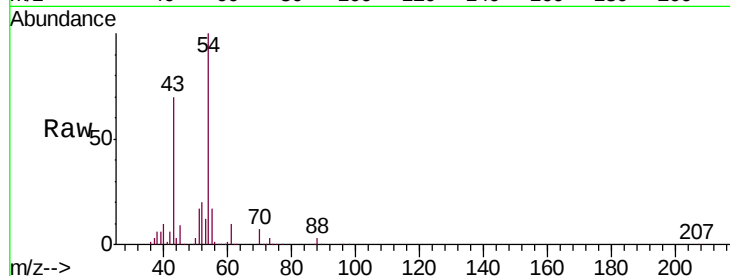




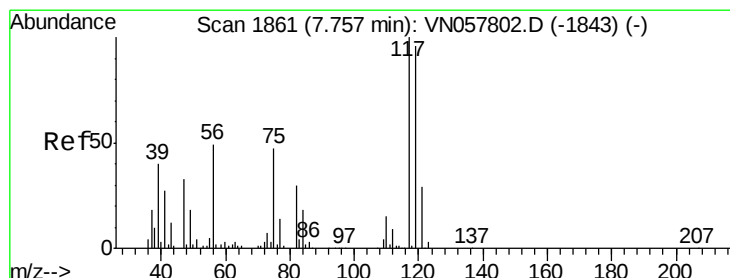
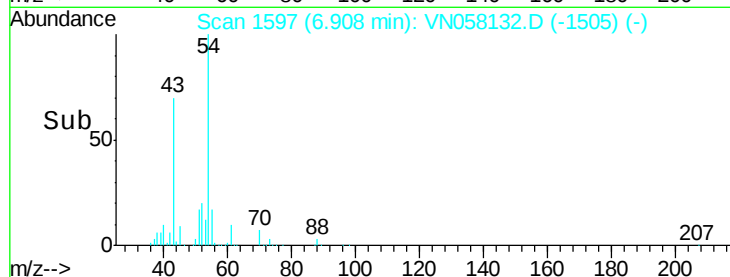
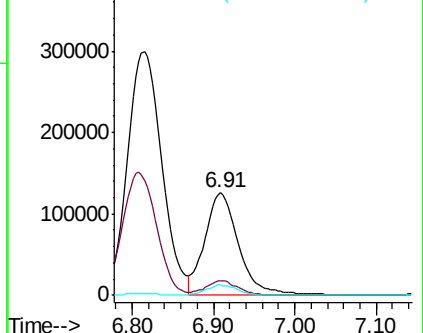
#37
 Ethyl Acetate
 Concen: 47.480 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 361418
 Ion Ratio Lower Upper
 43 100
 61 13.3 10.5 15.7
 70 9.6 7.4 11.0

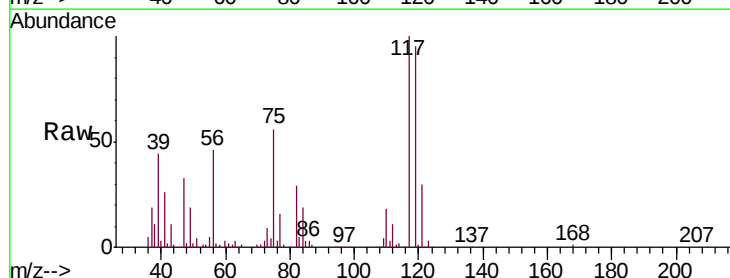


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

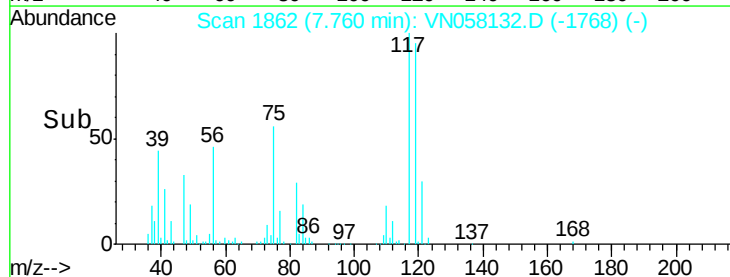
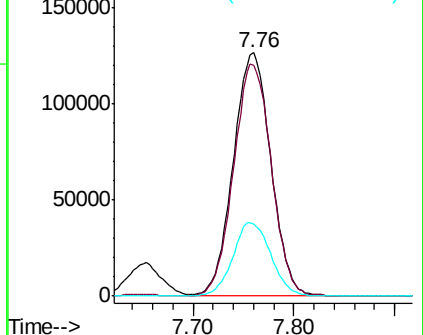


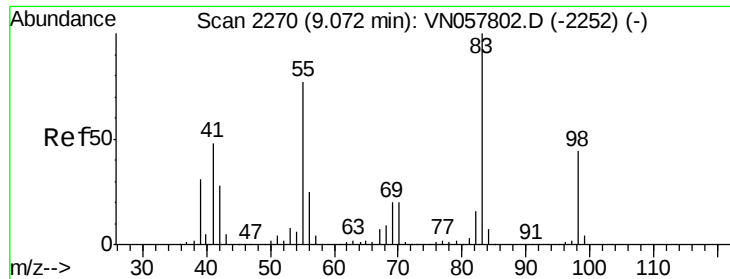
#38
 Carbon Tetrachloride
 Concen: 48.459 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 117 Resp: 325954
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.9 115.3
 121 29.7 23.4 35.2



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

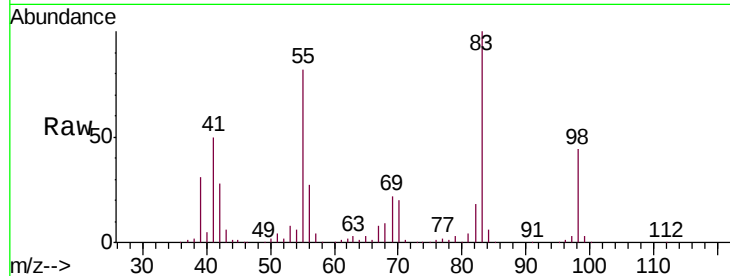




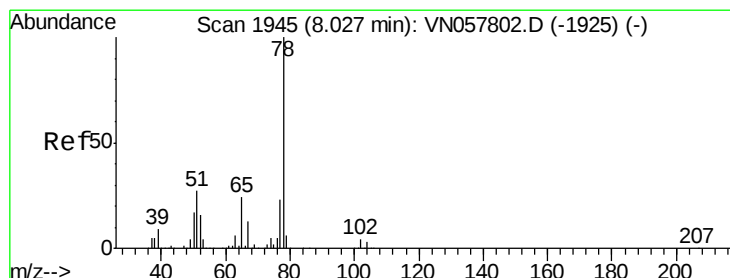
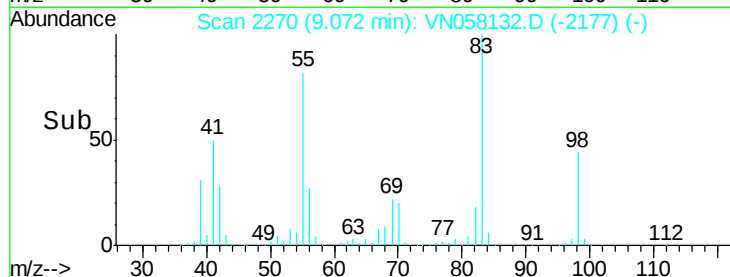
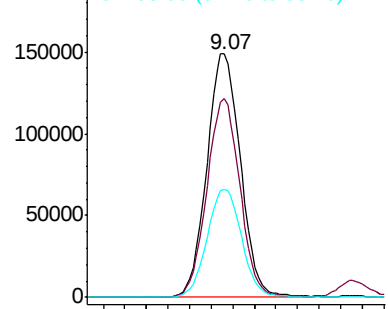
#39
Methylcyclohexane
Concen: 41.780 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.6	61.6	92.4
98	44.3	34.9	52.3

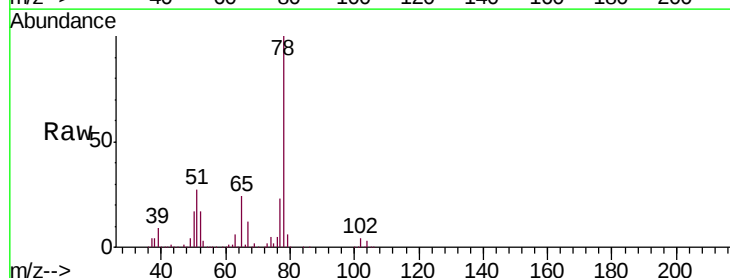


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

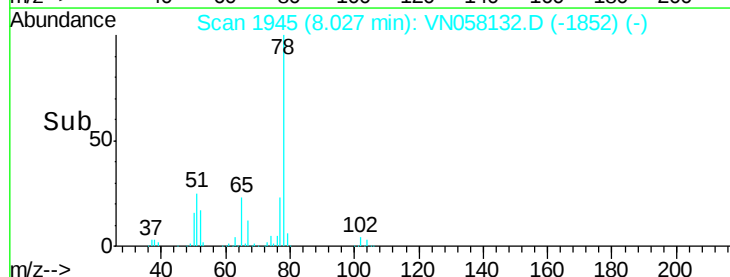
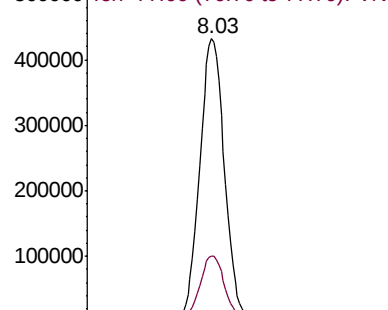


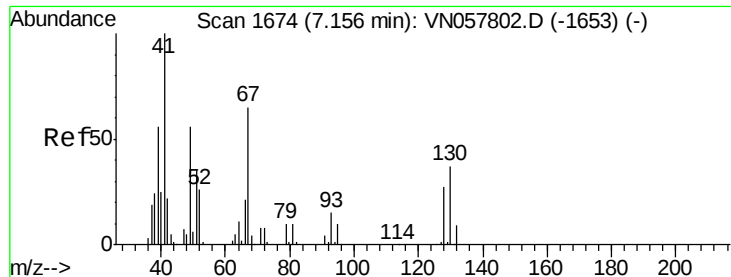
#40
Benzene
Concen: 46.087 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5



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





#41

Methacrylonitrile

Concen: 154.878 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 535151

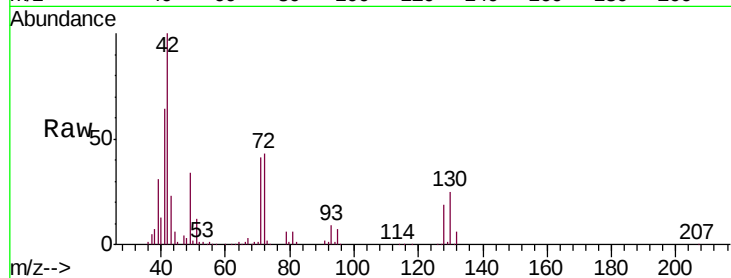
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

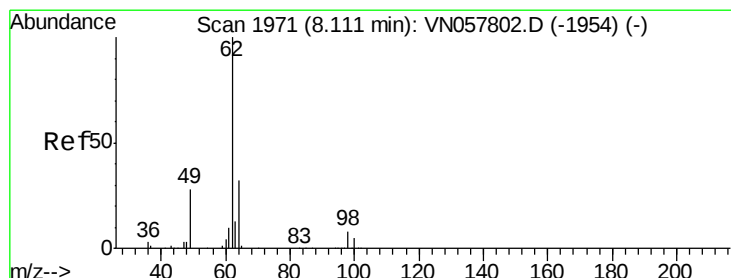
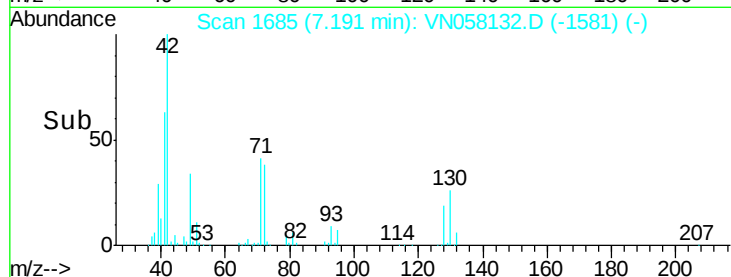
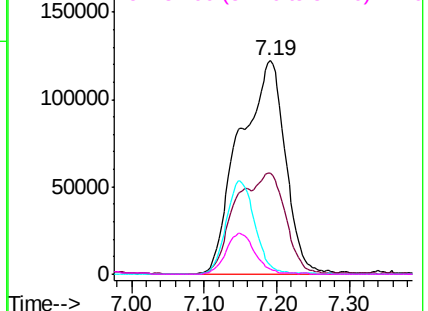


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 48.362 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058132.D

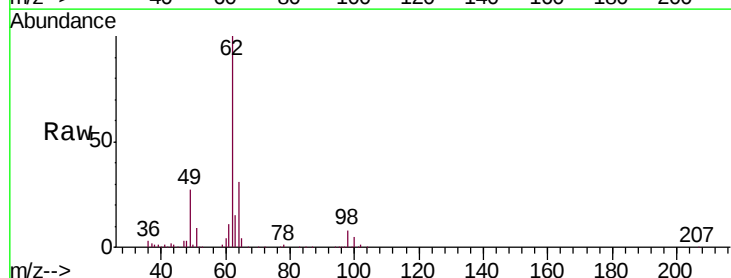
Acq: 16 Sep 2019 20:09

Tgt Ion: 62 Resp: 429014

Ion Ratio Lower Upper

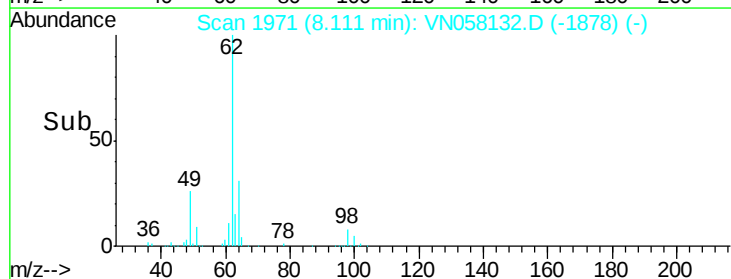
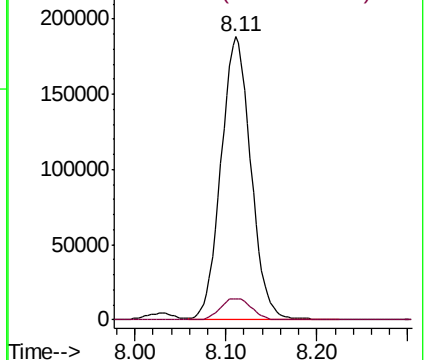
62 100

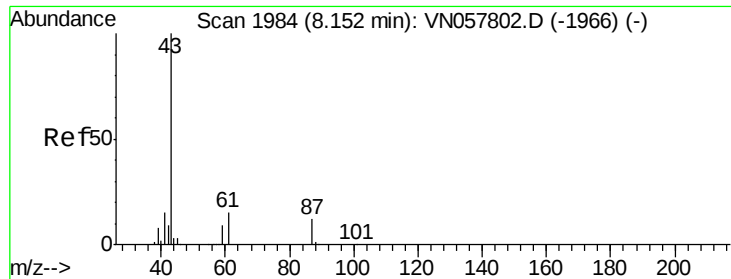
98 7.9 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

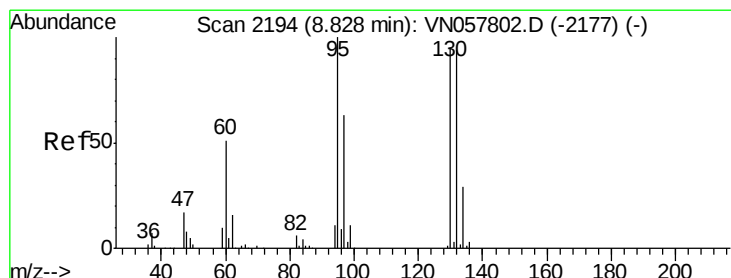
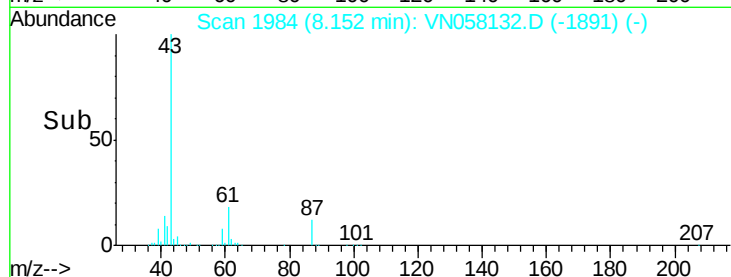
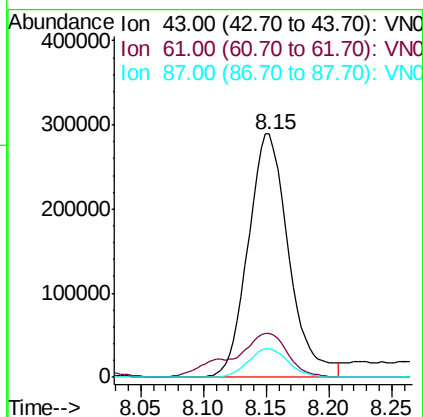
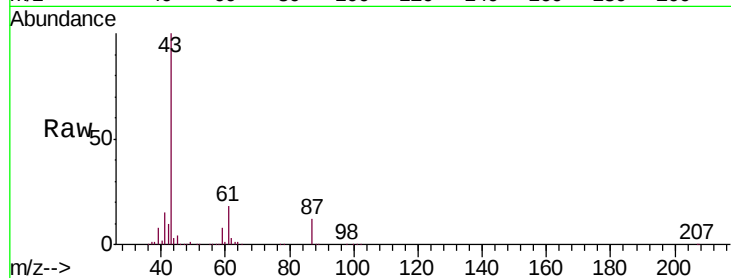




#43
Isopropyl Acetate
Concen: 50.846 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

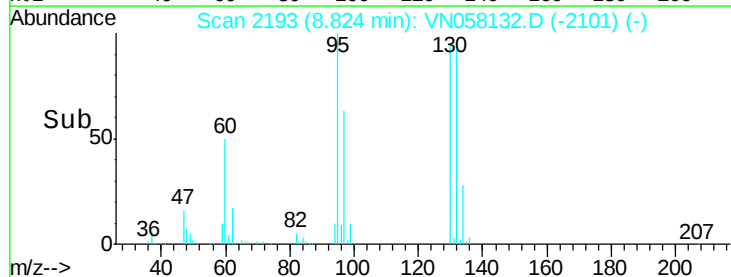
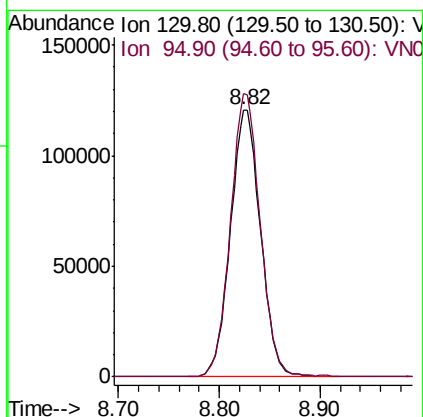
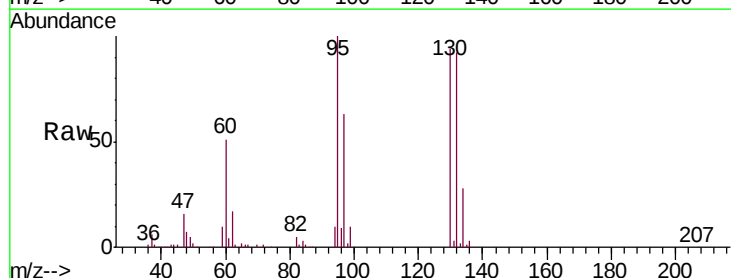
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

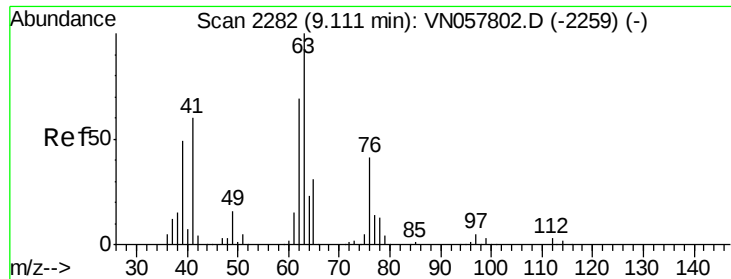
Tgt Ion: 43 Resp: 650871
Ion Ratio Lower Upper
43 100
61 24.4 20.1 30.1
87 11.7 9.5 14.3



#44
Trichloroethene
Concen: 45.973 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 130 Resp: 250106
Ion Ratio Lower Upper
130 100
95 106.1 0.0 211.4

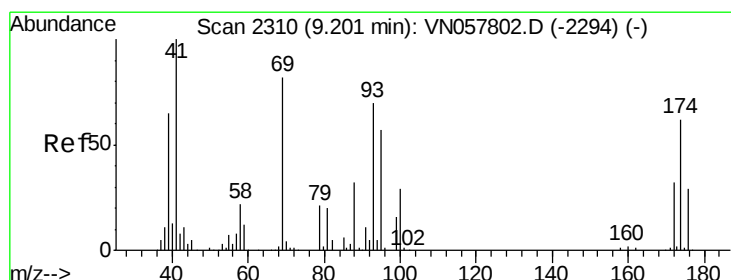
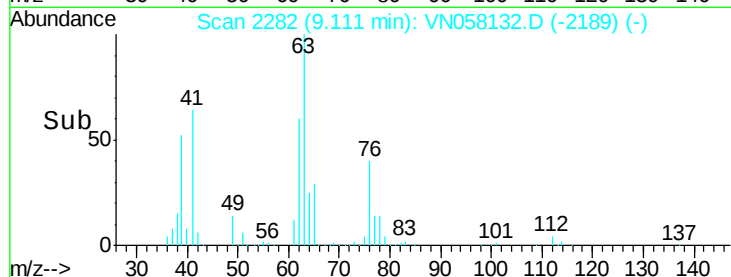
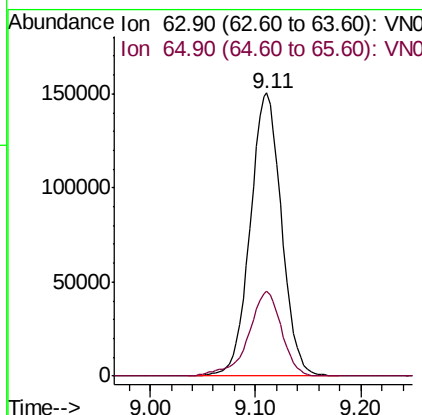
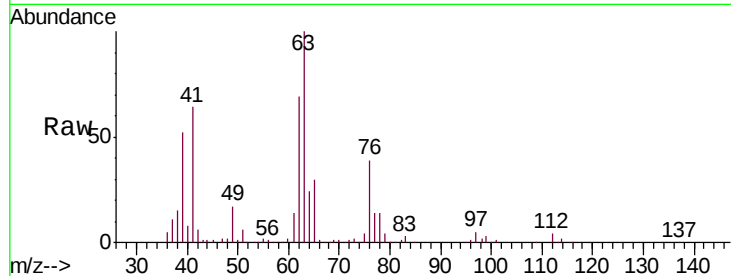




#45
 1,2-Dichloropropane
 Concen: 48.210 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

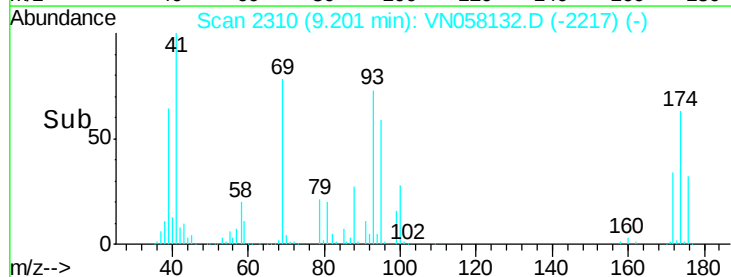
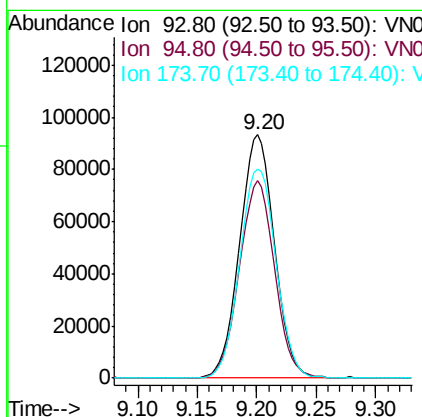
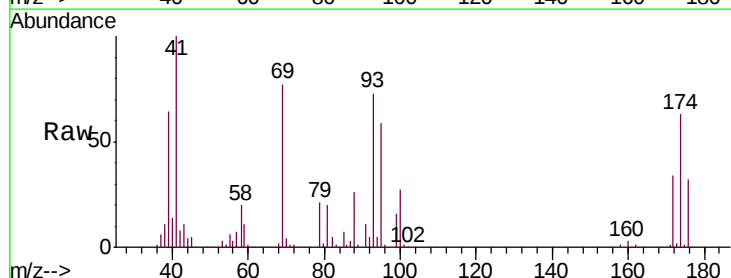
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

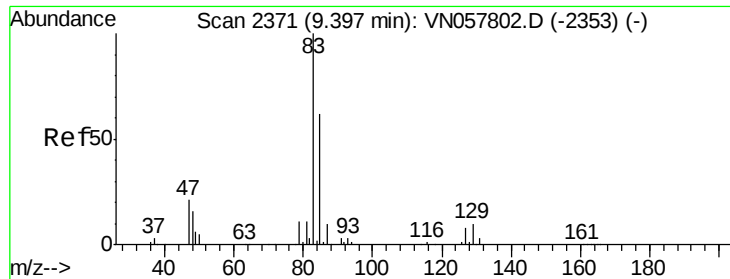
Tgt Ion: 63 Resp: 311163
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2



#46
 Dibromomethane
 Concen: 48.617 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 93 Resp: 189615
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.9 98.9
 174 89.6 71.8 107.6





#47

Bromodichloromethane

Concen: 51.715 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

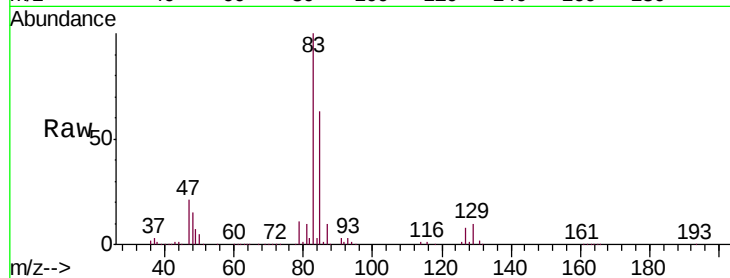
Tgt Ion: 83 Resp: 402772

Ion Ratio Lower Upper

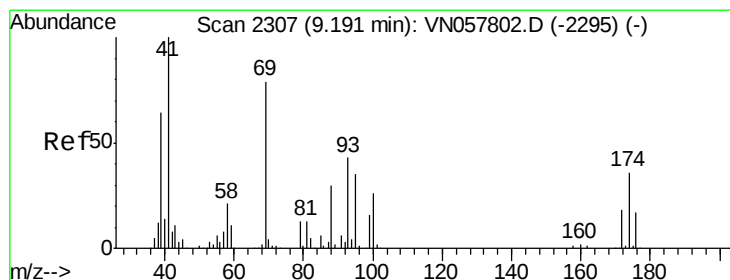
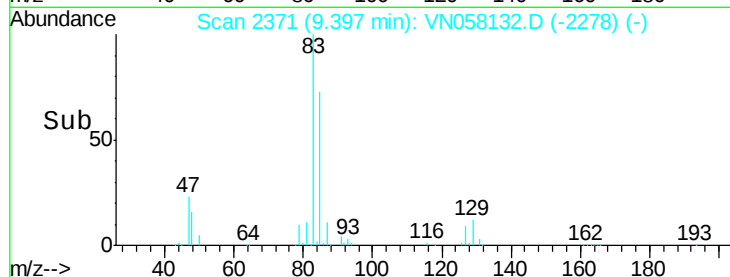
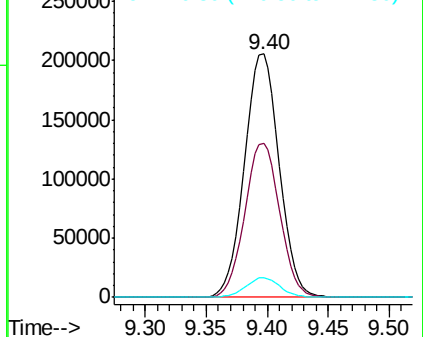
83 100

85 63.3 49.9 74.9

127 8.2 6.5 9.7



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



#48

Methyl methacrylate

Concen: 47.846 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

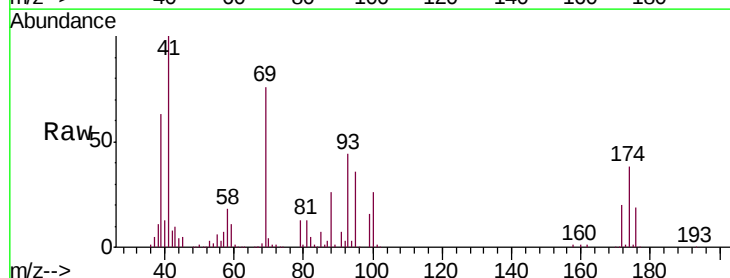
Tgt Ion: 41 Resp: 310685

Ion Ratio Lower Upper

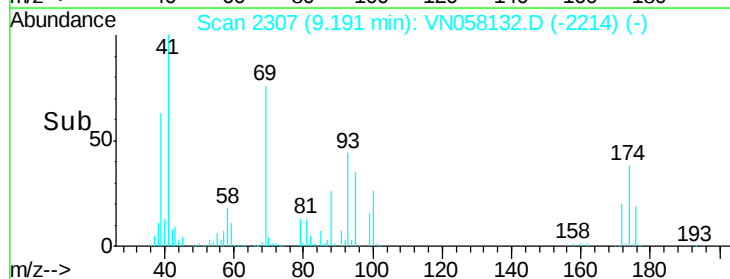
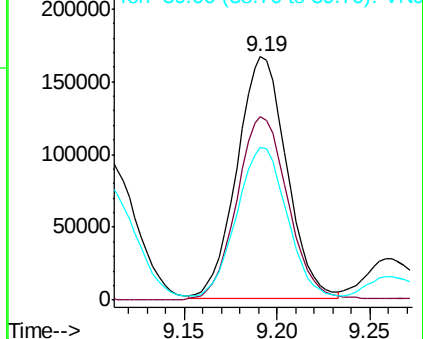
41 100

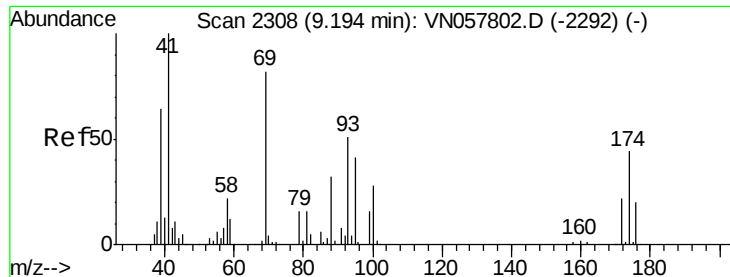
69 78.0 62.7 94.1

39 64.7 52.7 79.1



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

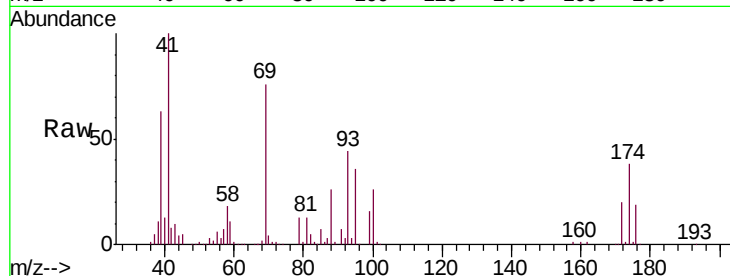




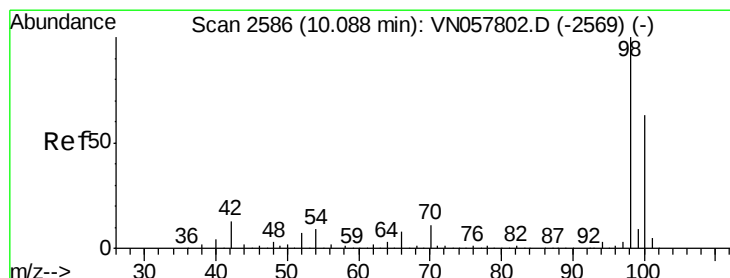
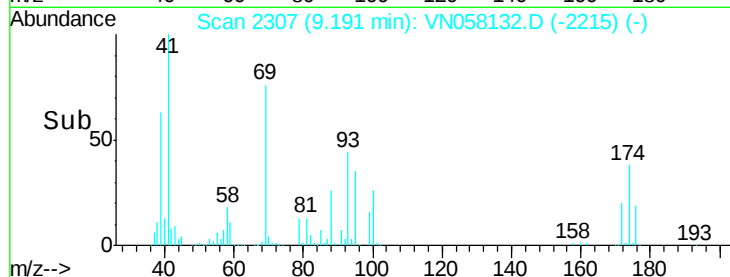
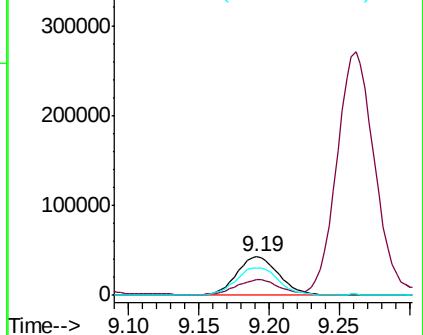
#49
 1,4-Dioxane
 Concen: 819.293 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 89966
 Ion Ratio Lower Upper
 88 100
 43 37.3 28.5 42.7
 58 73.2 55.8 83.6

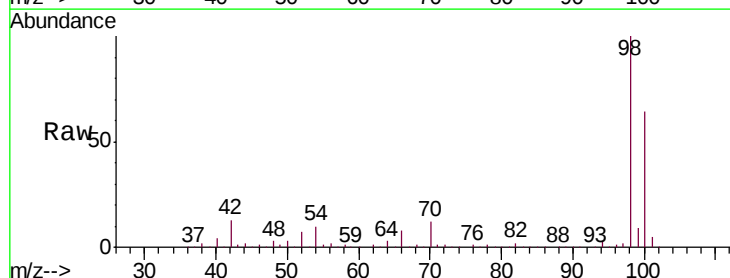


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

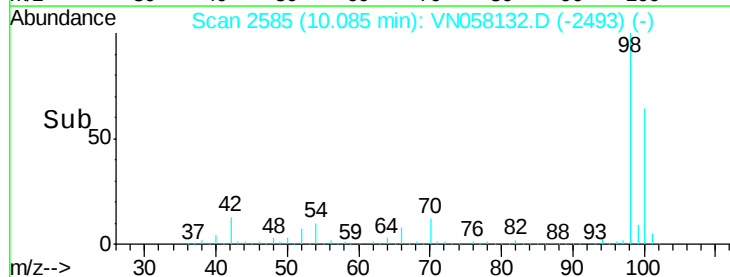
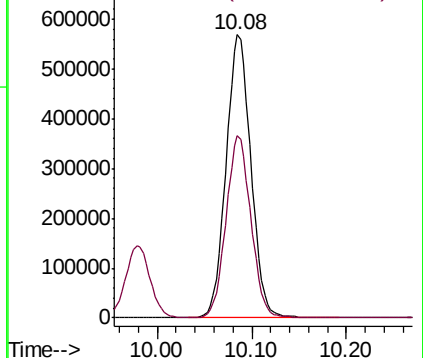


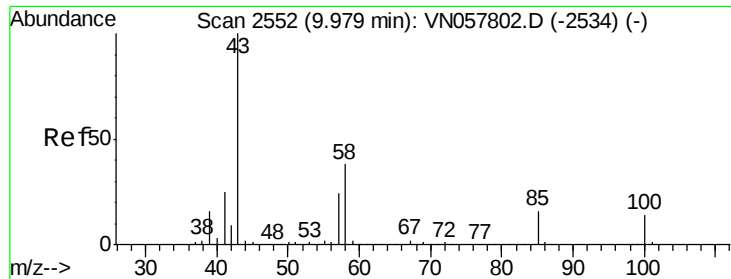
#50
 Toluene-d8
 Concen: 45.602 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 98 Resp: 1038115
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 257.218 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

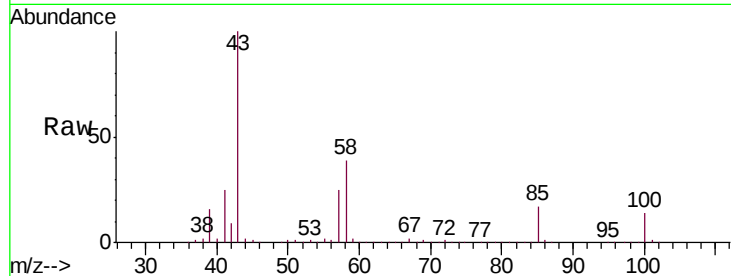
VSTDCCC050EC

Tgt Ion: 43 Resp: 1948461

Ion Ratio Lower Upper

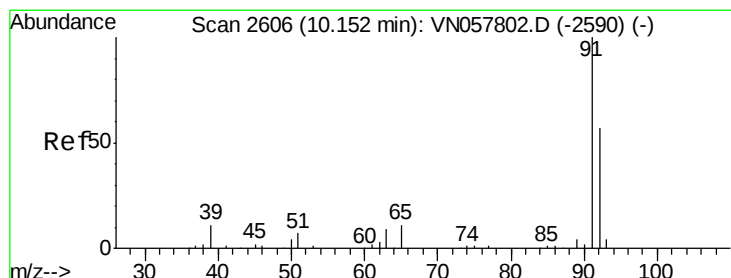
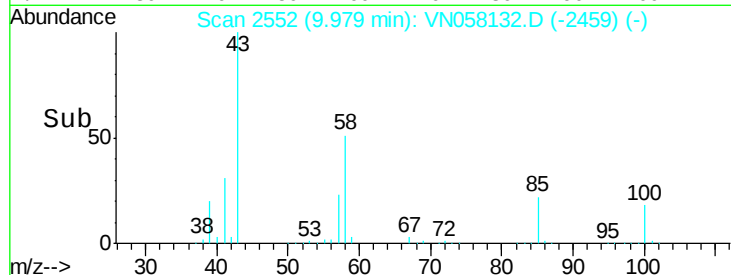
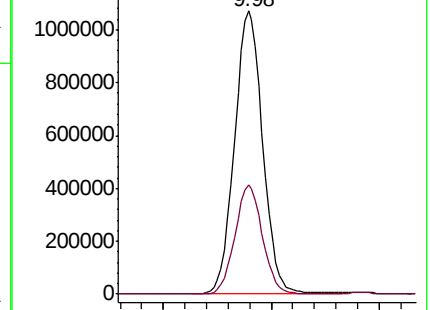
43 100

58 37.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)



#52

Toluene

Concen: 46.518 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058132.D

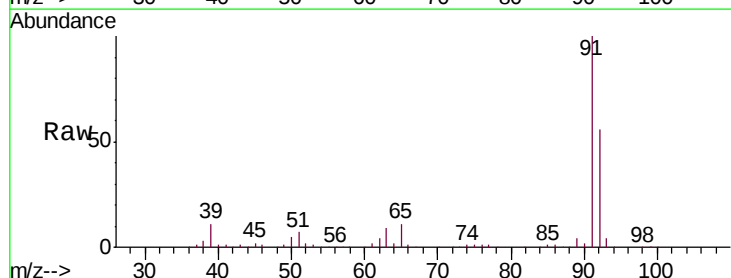
Acq: 16 Sep 2019 20:09

Tgt Ion: 92 Resp: 649876

Ion Ratio Lower Upper

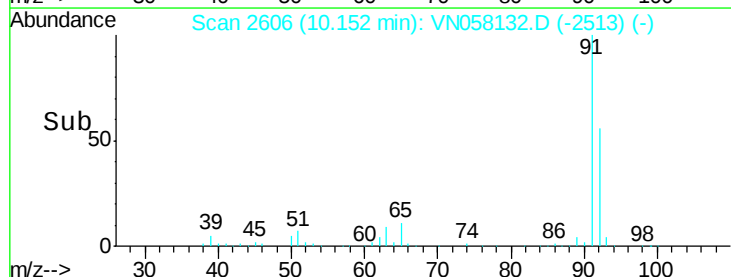
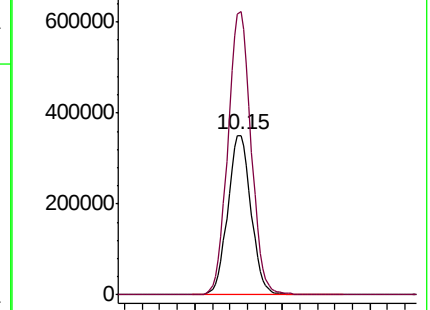
92 100

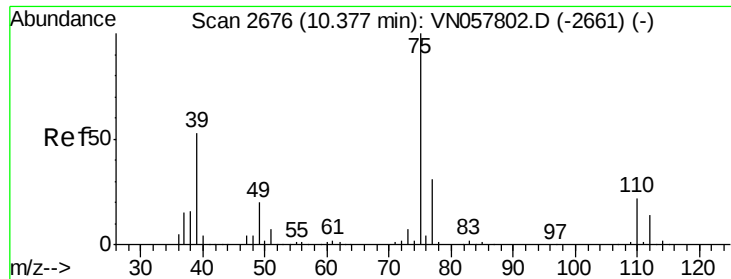
91 176.6 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

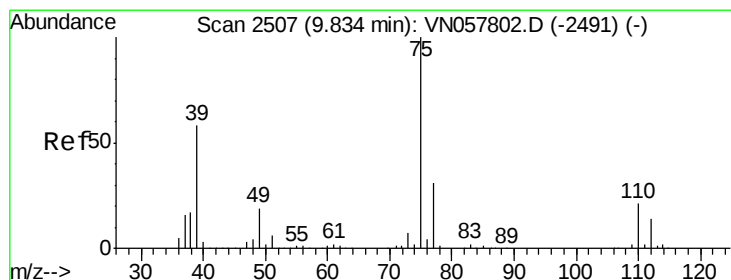
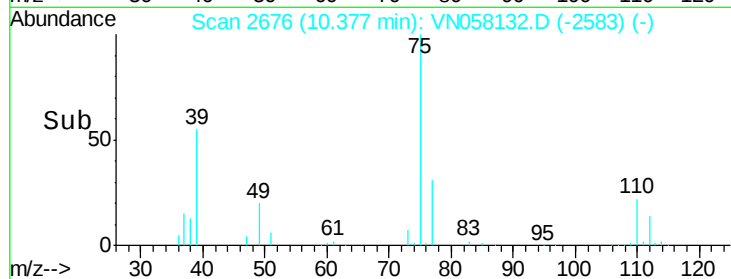
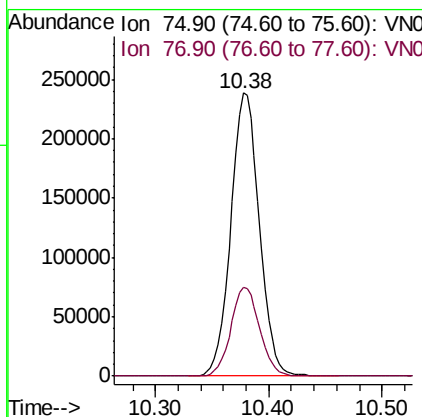
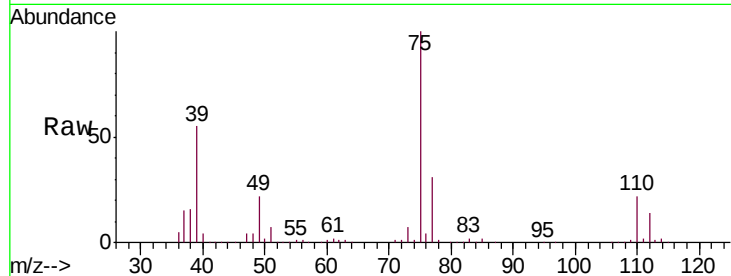




#53
 t-1,3-Dichloropropene
 Concen: 50.862 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

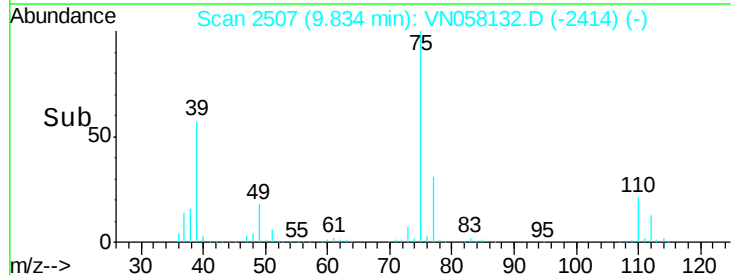
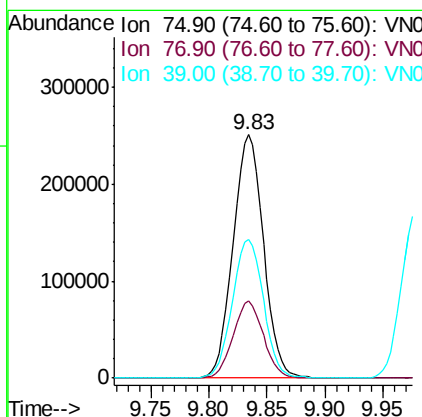
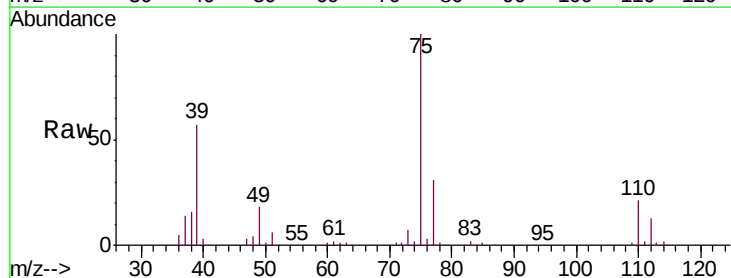
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

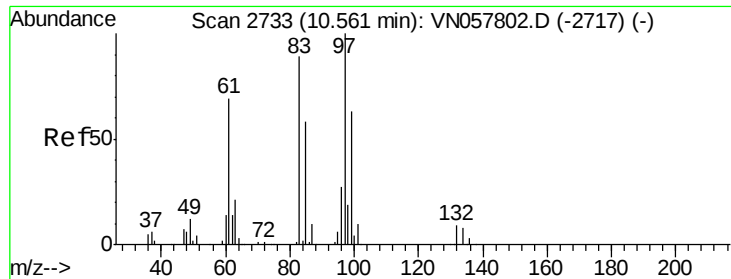
Tgt Ion: 75 Resp: 417146
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 50.363 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 75 Resp: 456034
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.8 37.2
 39 56.9 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 50.184 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 296975

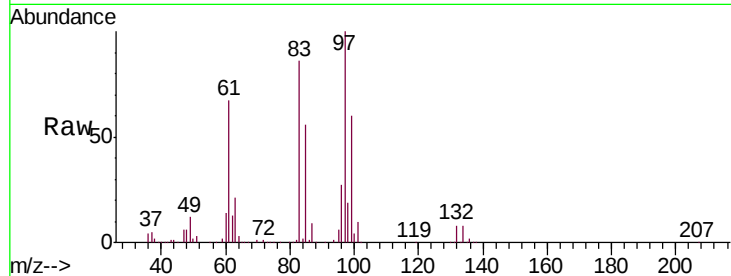
Ion Ratio Lower Upper

97 100

83 85.8 70.8 106.2

85 56.0 46.0 69.0

99 60.1 50.6 76.0



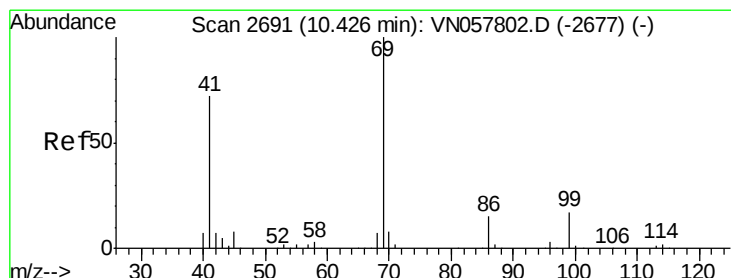
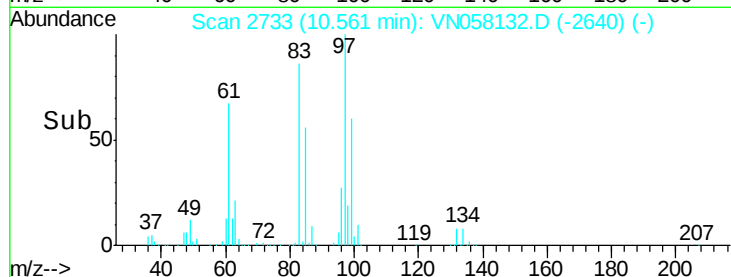
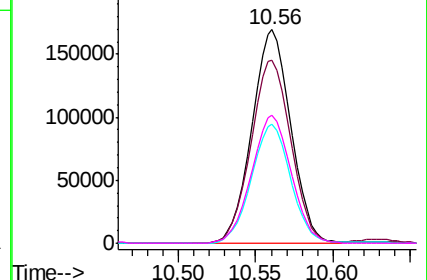
Abundance

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: 50.260 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

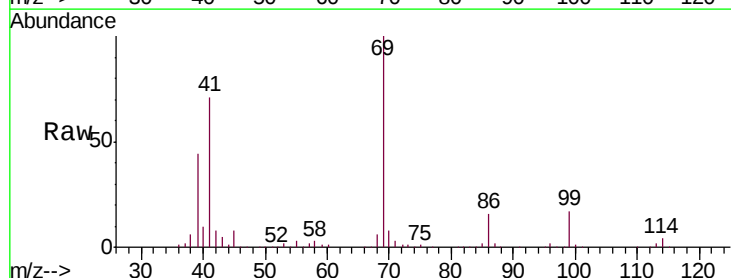
Tgt Ion: 69 Resp: 447891

Ion Ratio Lower Upper

69 100

41 69.9 56.7 85.1

39 44.2 36.3 54.5

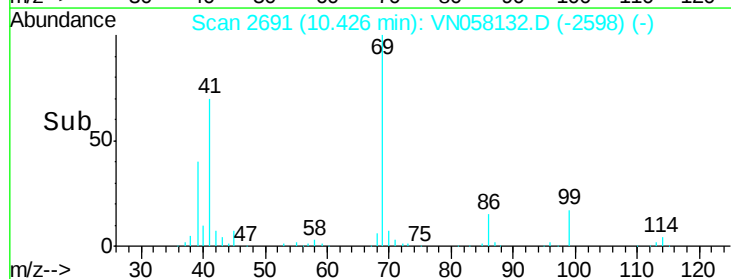
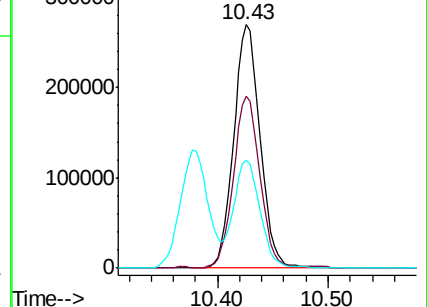


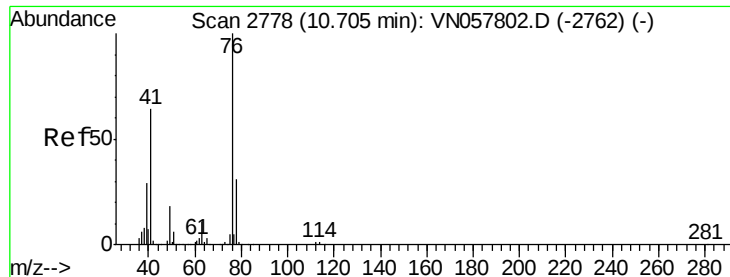
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.744 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

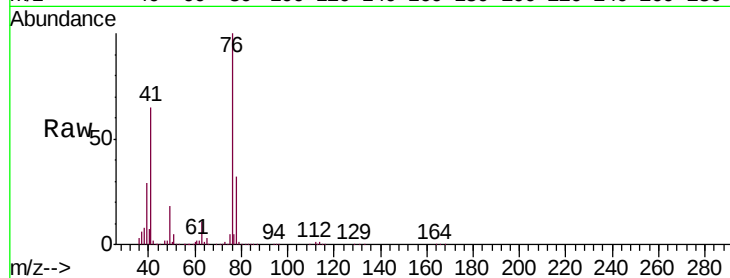
VSTDCCC050EC

Tgt Ion: 76 Resp: 497112

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

300000

250000

200000

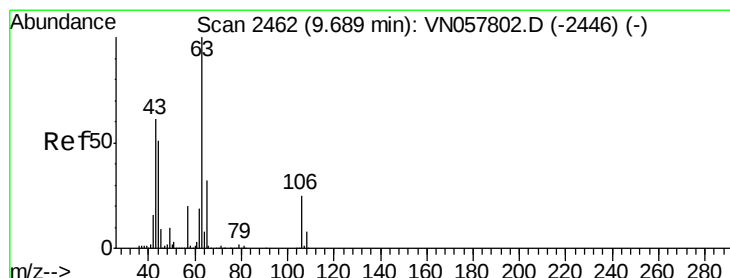
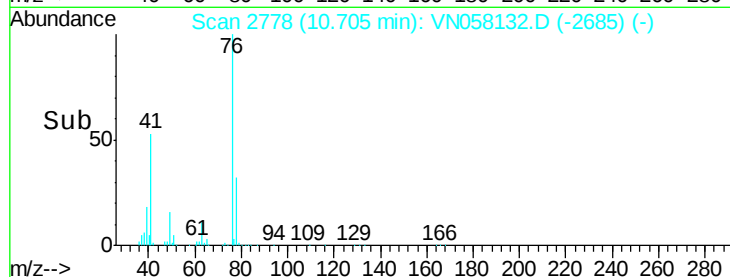
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 221.032 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058132.D

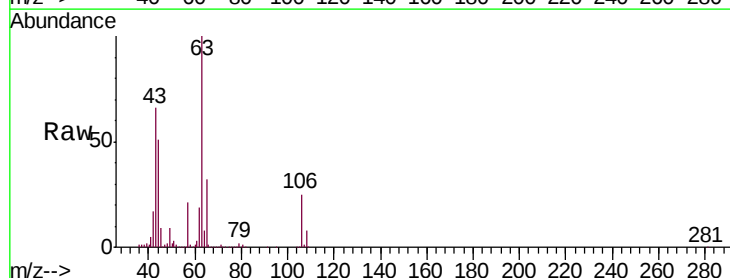
Acq: 16 Sep 2019 20:09

Tgt Ion: 63 Resp: 927715

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

600000

500000

400000

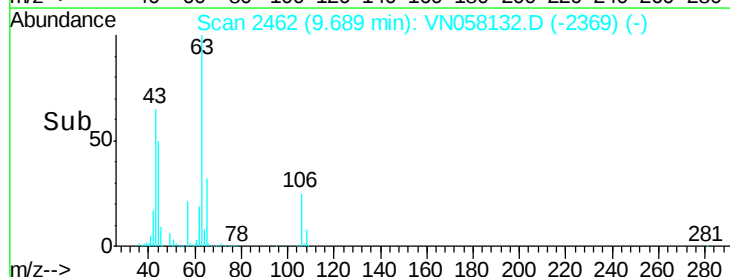
300000

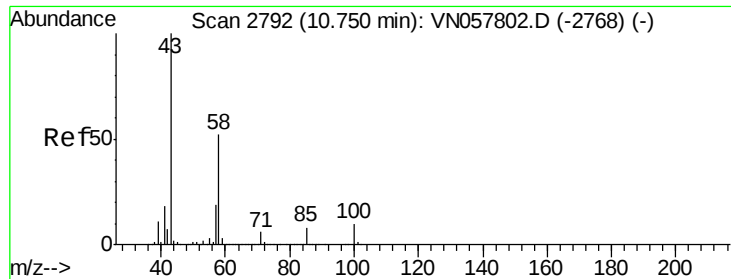
200000

100000

0

Time-->

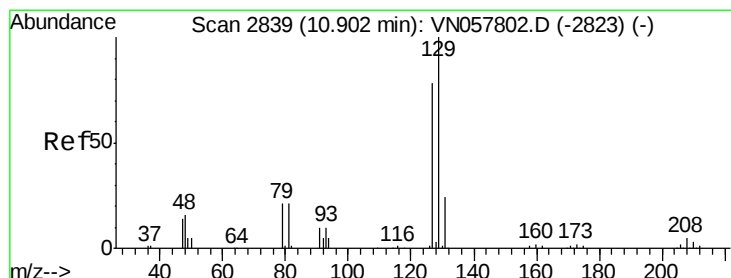
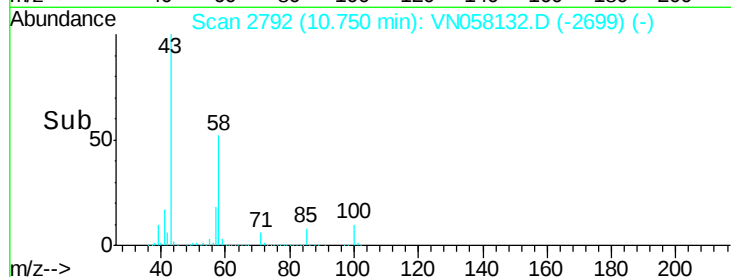
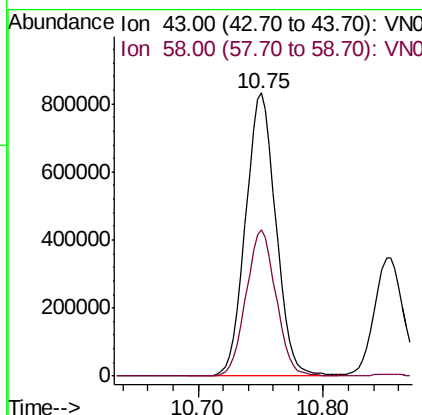
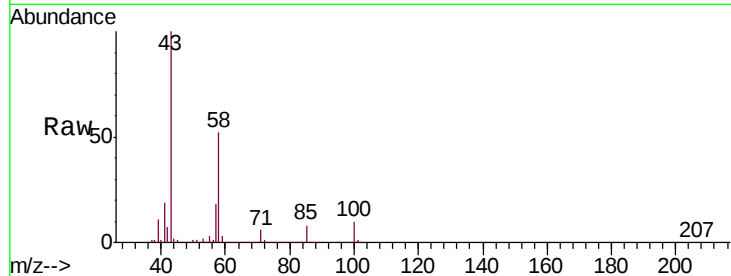




#59
2-Hexanone
Concen: 245.815 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

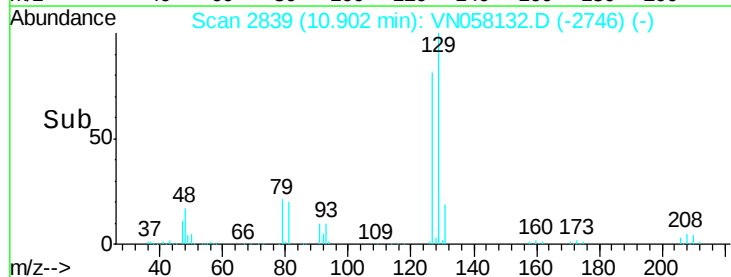
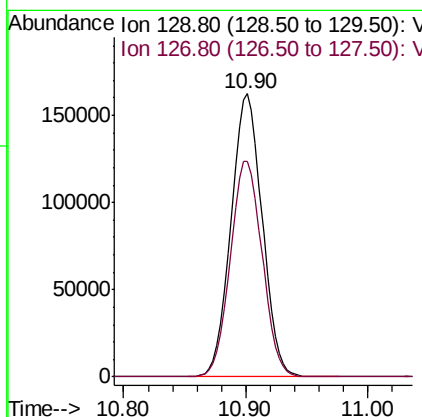
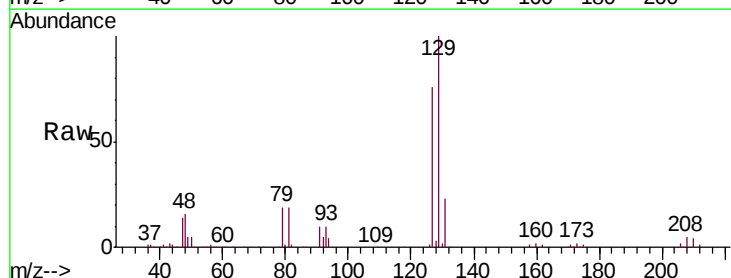
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

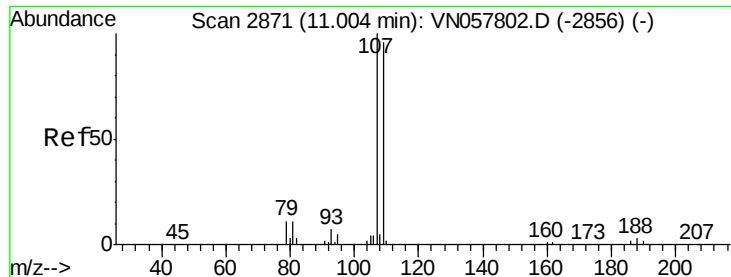
Tgt Ion: 43 Resp: 1395701
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8



#60
Dibromochloromethane
Concen: 52.544 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 129 Resp: 288736
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0

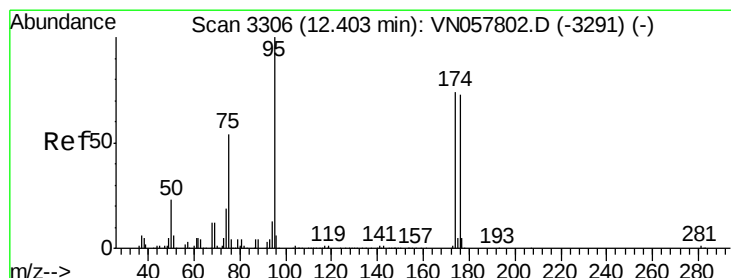
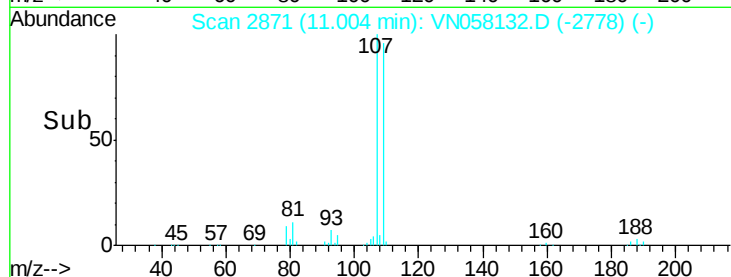
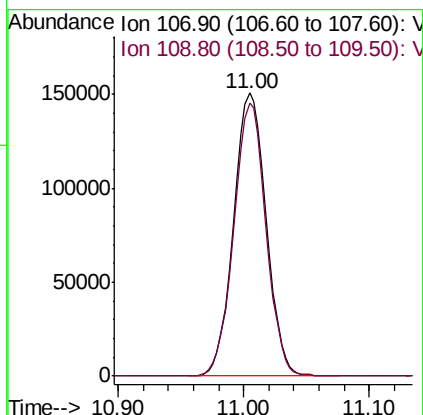
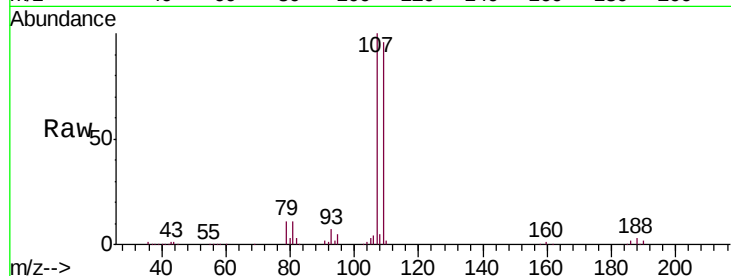




#61
 1,2-Dibromoethane
 Concen: 48.694 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

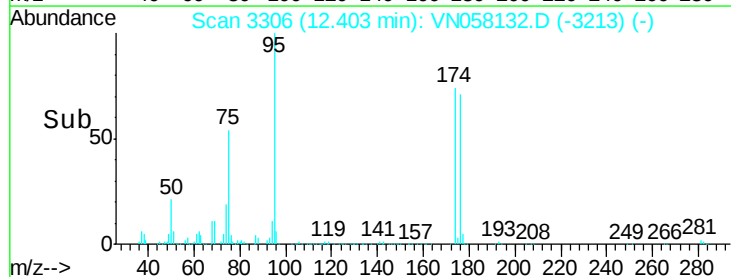
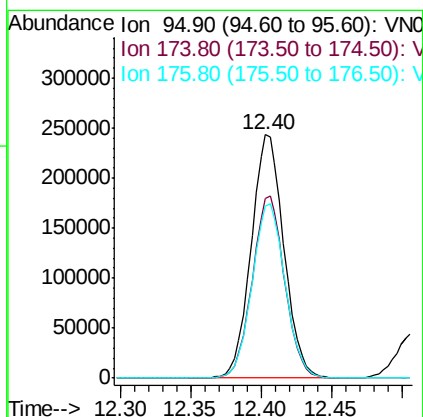
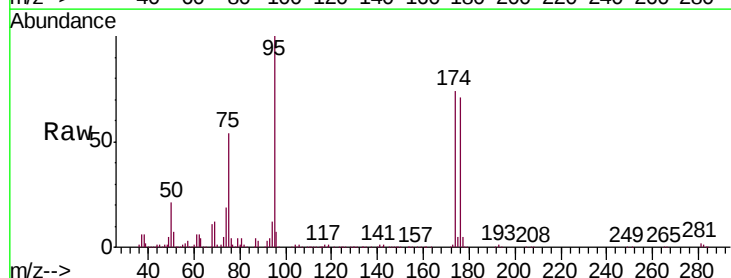
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

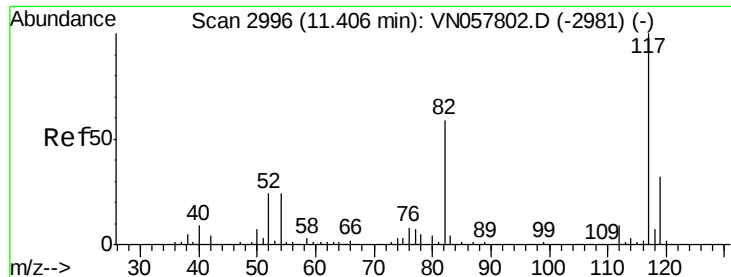
Tgt Ion: 107 Resp: 272424
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 45.387 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion: 95 Resp: 393748
 Ion Ratio Lower Upper
 95 100
 174 74.2 0.0 150.2
 176 72.7 0.0 146.0

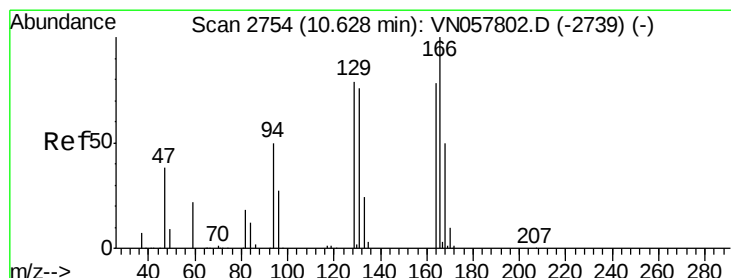
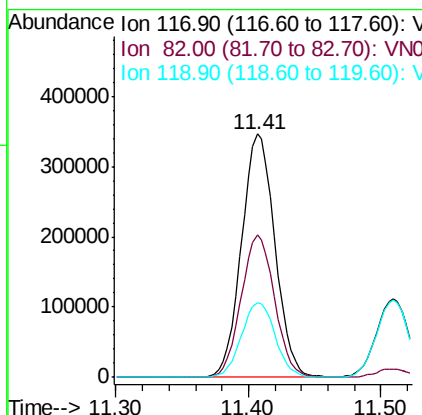
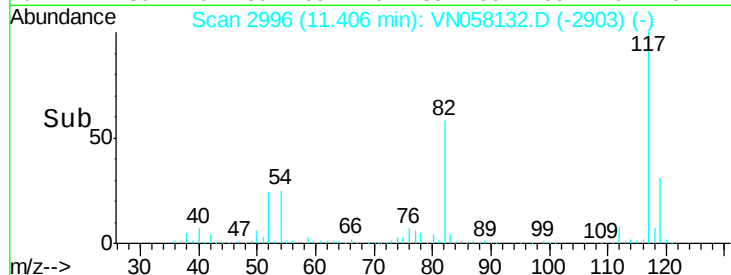
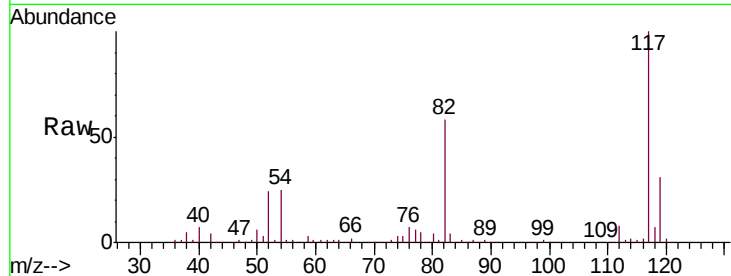




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

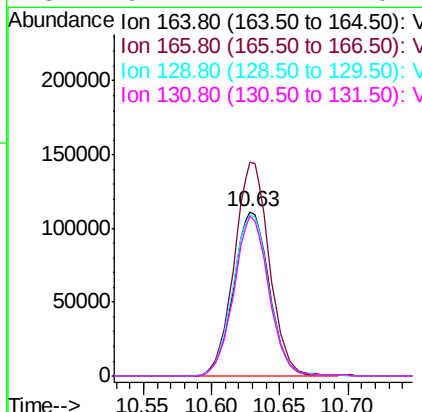
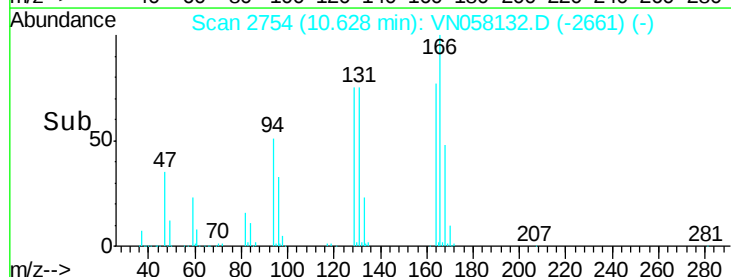
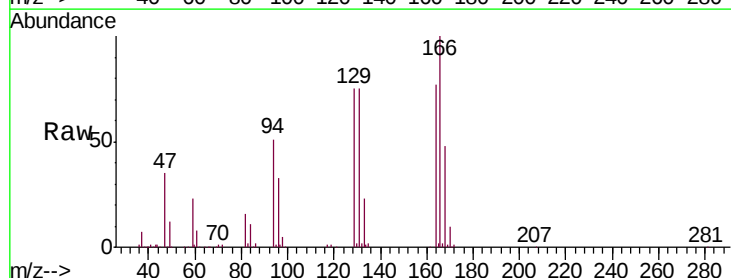
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

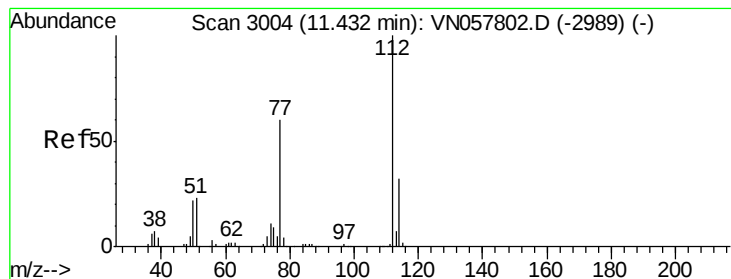
Tgt Ion:117 Resp: 605276
Ion Ratio Lower Upper
117 100
82 58.3 47.2 70.8
119 30.7 25.3 37.9



#64
Tetrachloroethene
Concen: 45.279 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion:164 Resp: 202355
Ion Ratio Lower Upper
164 100
166 130.1 102.2 153.2
129 98.2 80.8 121.2
131 97.2 77.4 116.2





#65

Chlorobenzene

Concen: 47.208 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

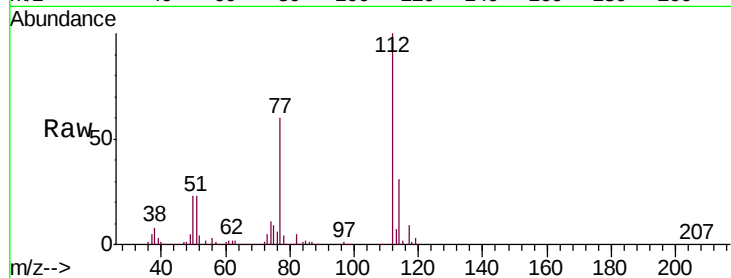
VSTDCCC050EC

Tgt Ion:112 Resp: 747794

Ion Ratio Lower Upper

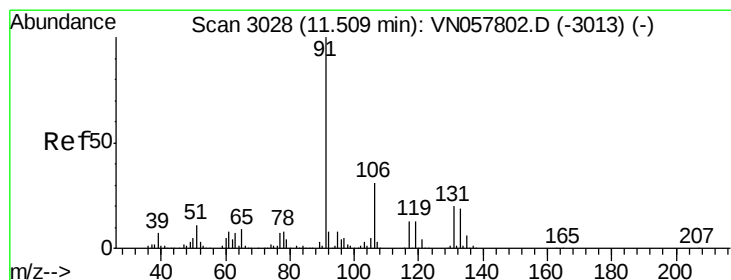
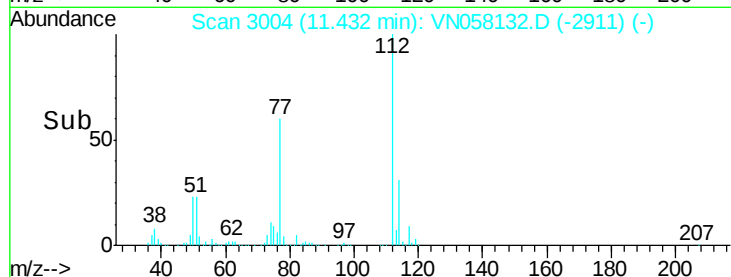
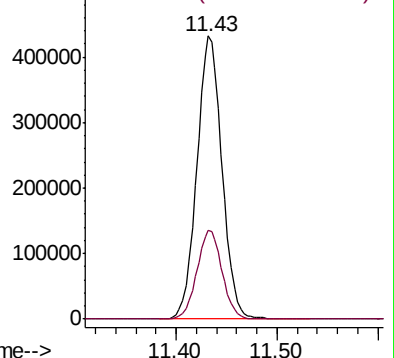
112 100

114 31.2 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.884 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

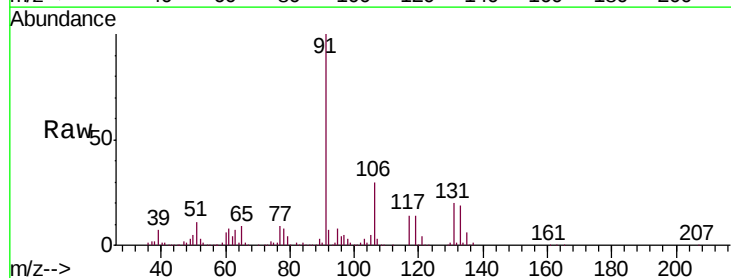
Tgt Ion:131 Resp: 279685

Ion Ratio Lower Upper

131 100

133 95.3 47.1 141.3

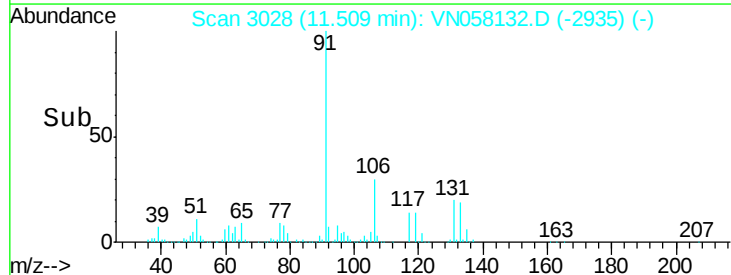
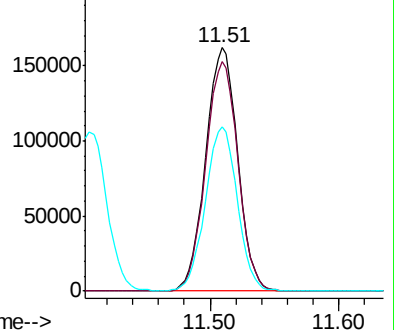
119 67.5 33.3 99.8

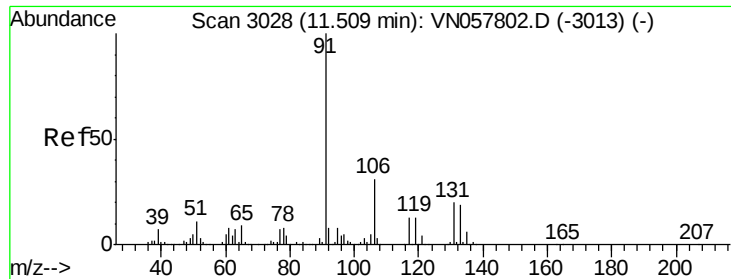


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

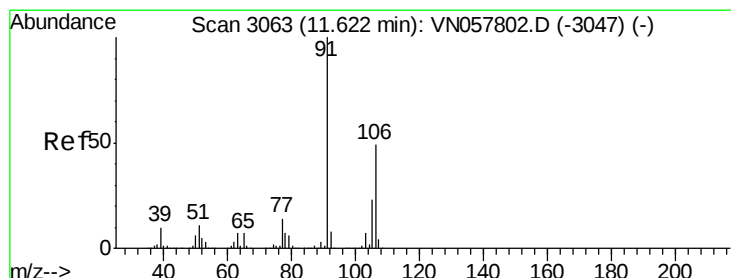
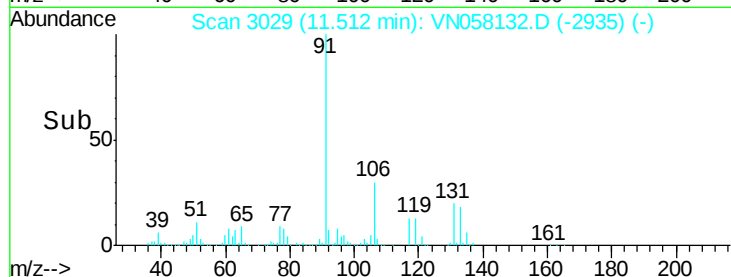
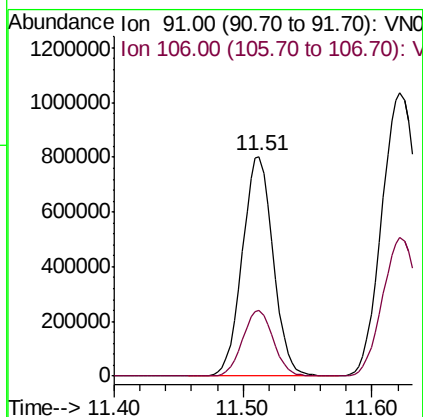
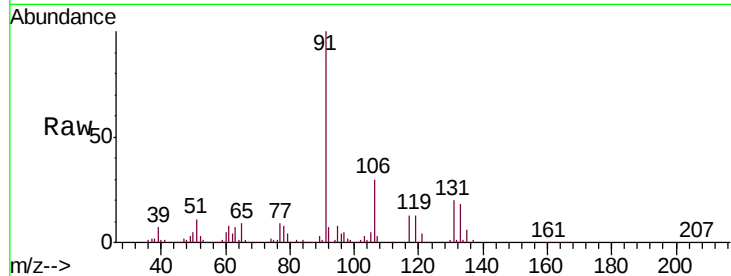




#67
Ethyl Benzene
Concen: 48.191 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

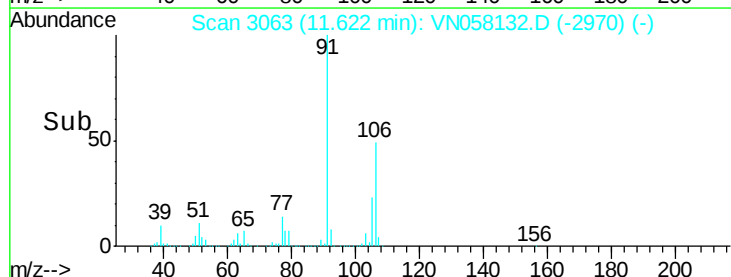
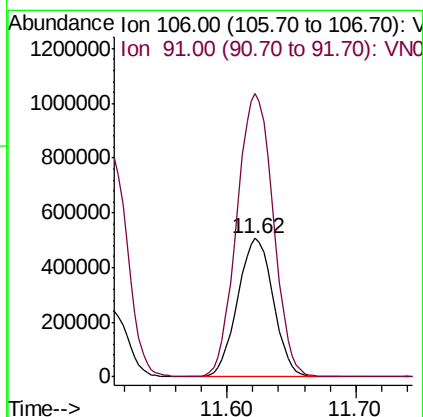
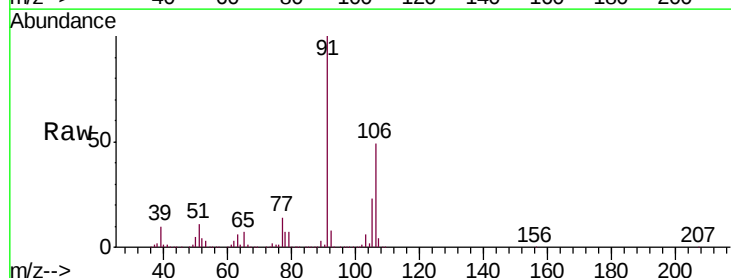
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

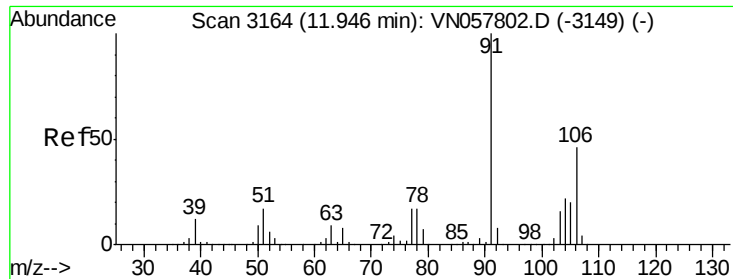
Tgt Ion: 91 Resp: 1337847
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6



#68
m/p-Xylenes
Concen: 95.992 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion: 106 Resp: 976128
Ion Ratio Lower Upper
106 100
91 208.4 165.8 248.6

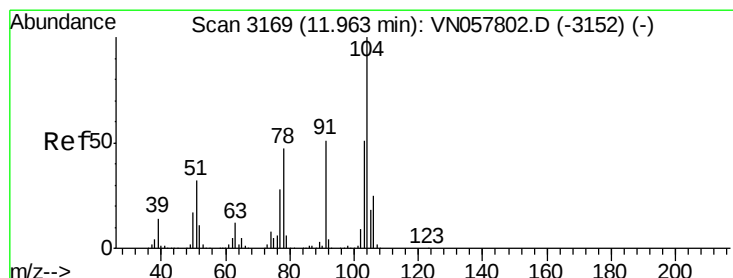
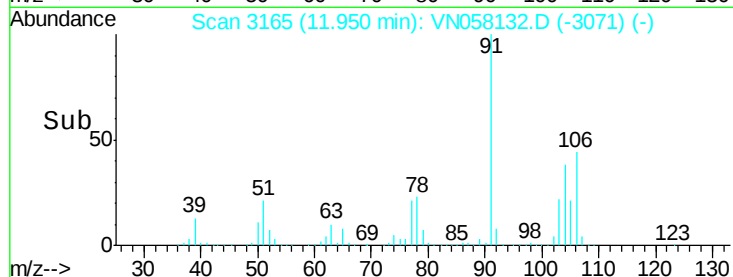
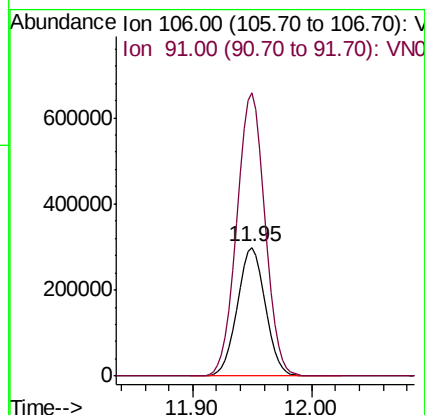
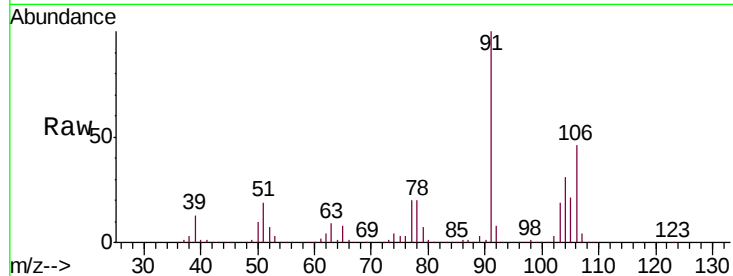




#69
o-Xylene
Concen: 48.425 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

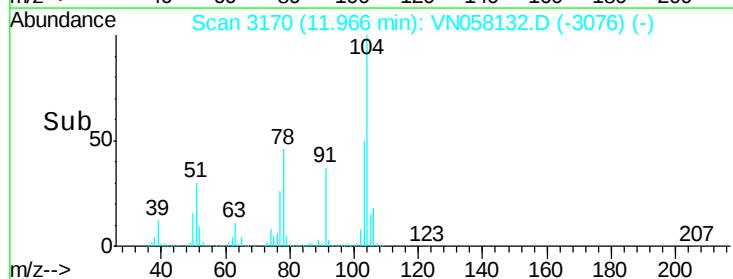
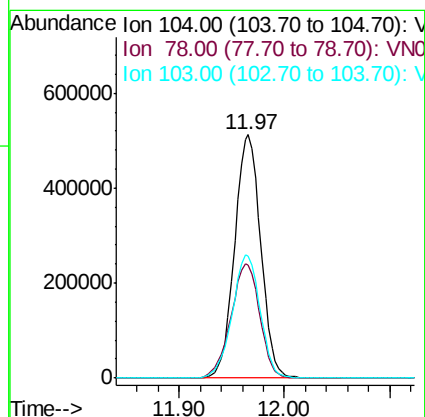
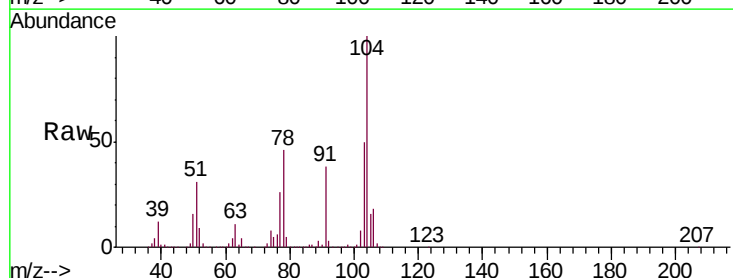
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

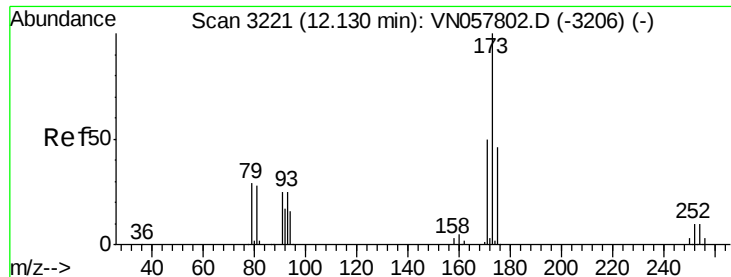
Tgt Ion:106 Resp: 489543
Ion Ratio Lower Upper
106 100
91 220.4 108.7 326.1



#70
Styrene
Concen: 50.394 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058132.D
Acq: 16 Sep 2019 20:09

Tgt Ion:104 Resp: 876755
Ion Ratio Lower Upper
104 100
78 51.9 41.3 61.9
103 54.2 43.7 65.5





#71

Bromoform

Concen: 53.409 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

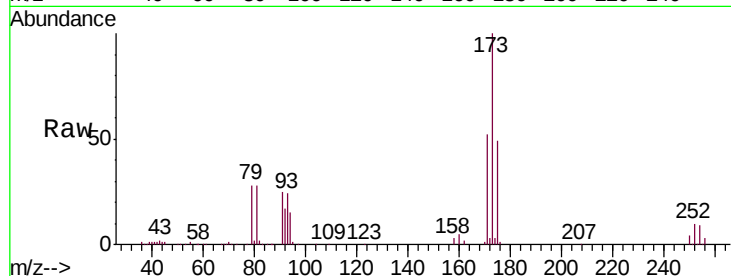
Tgt Ion:173 Resp: 183026

Ion Ratio Lower Upper

173 100

175 48.7 23.5 70.6

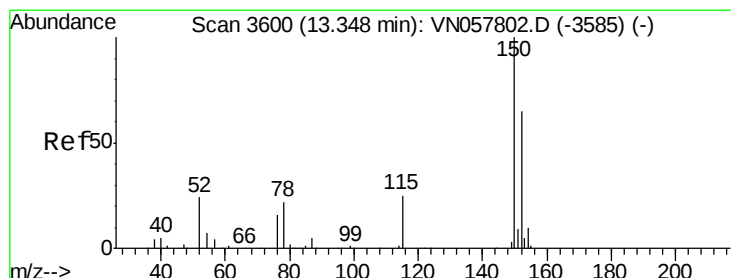
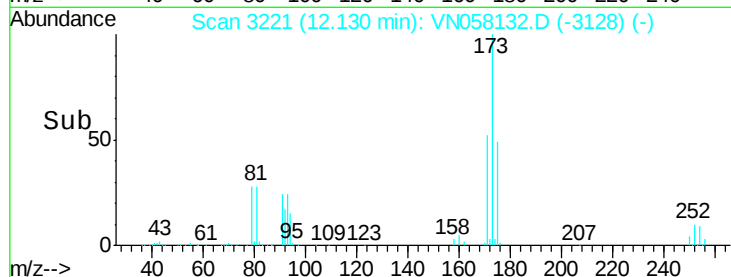
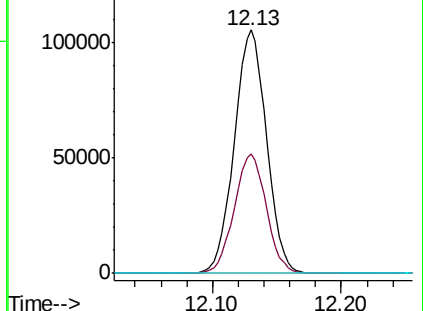
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

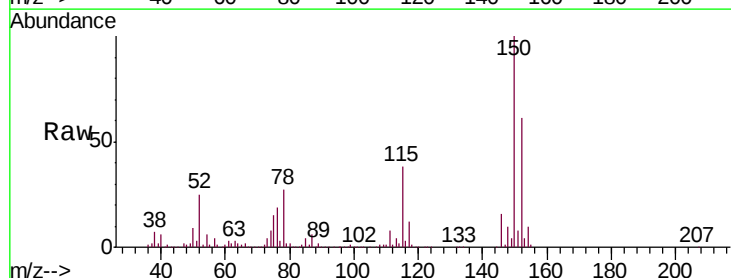
Tgt Ion:152 Resp: 369514

Ion Ratio Lower Upper

152 100

115 60.8 30.3 91.0

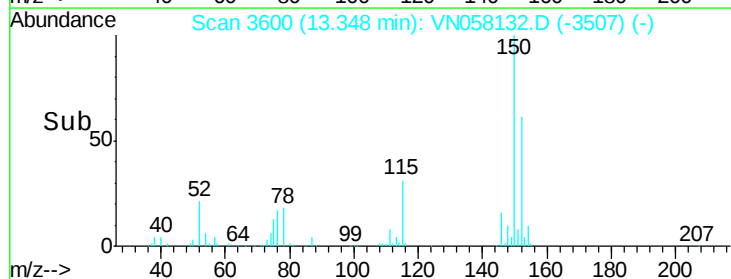
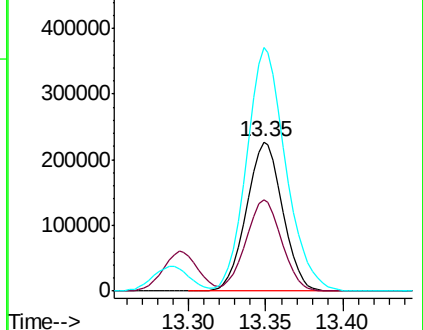
150 176.2 0.0 352.4

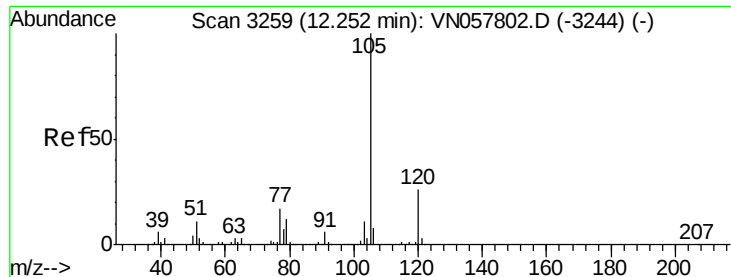


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.789 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

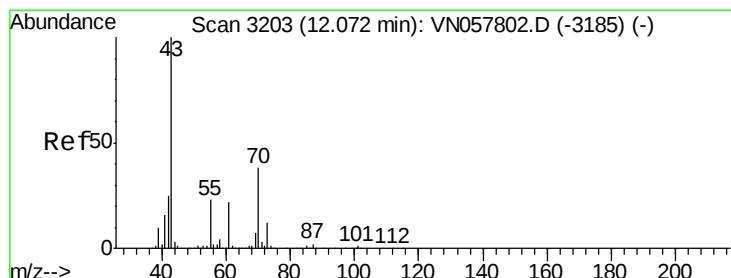
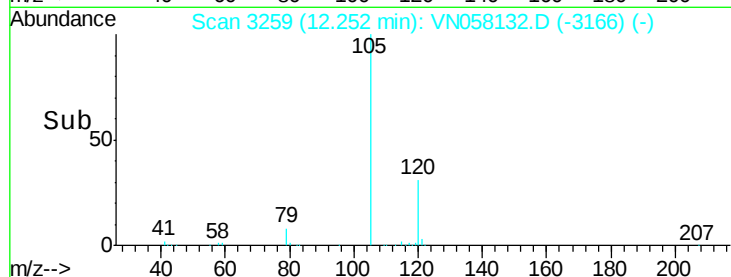
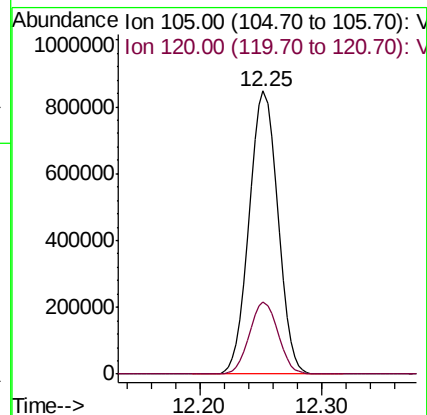
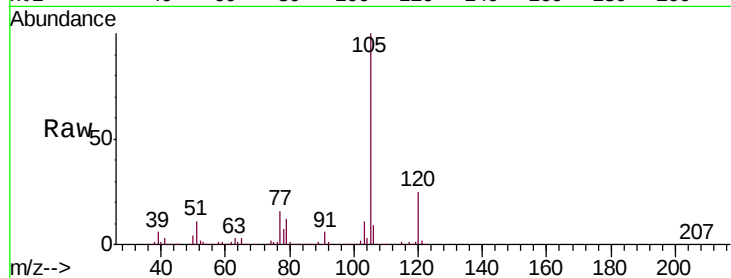
VSTDCCC050EC

Tgt Ion:105 Resp: 1370275

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4



#74

N-ethyl acetate

Concen: 47.701 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Tgt Ion: 43 Resp: 595242

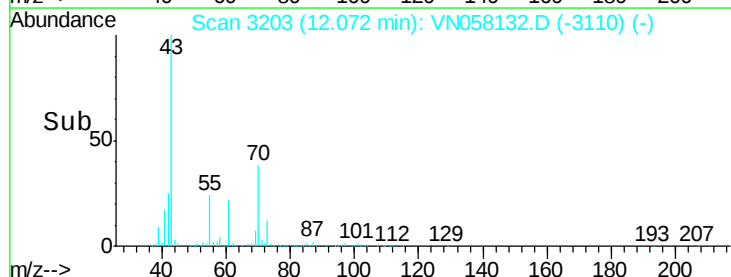
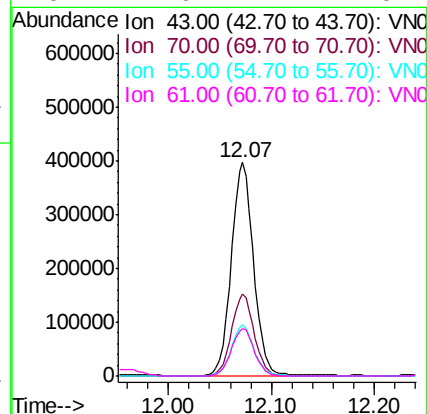
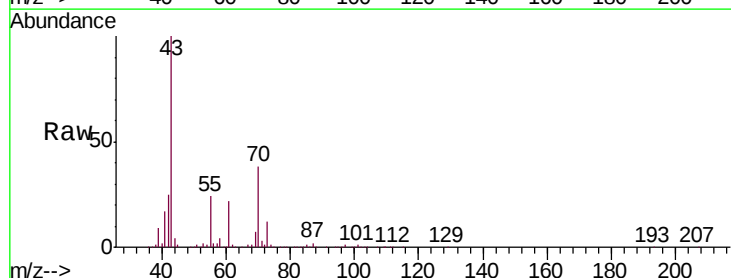
Ion Ratio Lower Upper

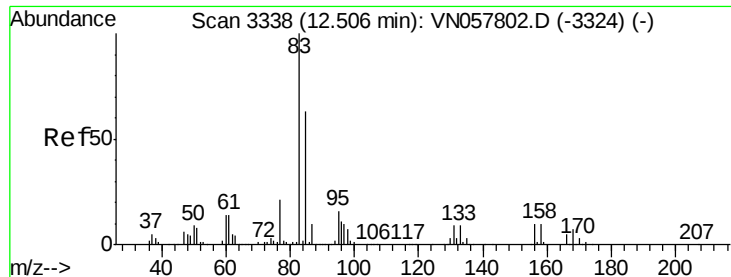
43 100

70 39.2 30.6 45.8

55 24.1 18.6 27.8

61 22.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.831 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

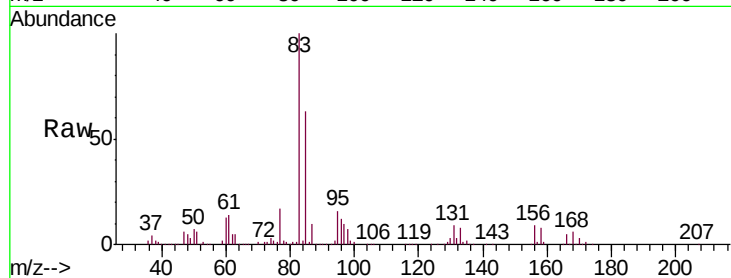
Tgt Ion: 83 Resp: 452116

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

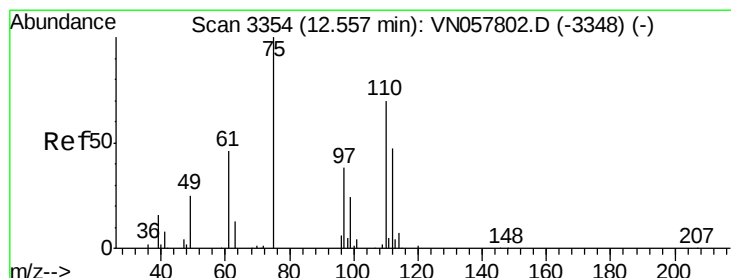
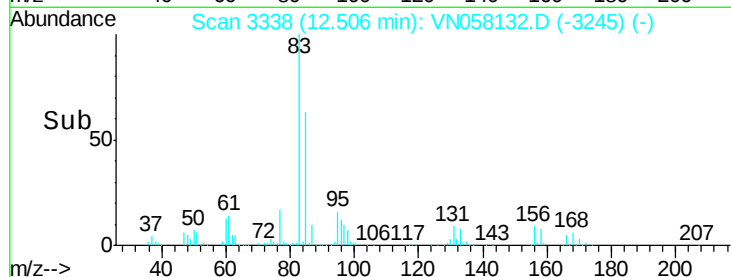
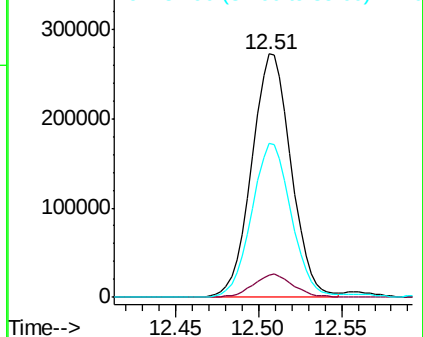
85 63.5 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 64.525 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058132.D

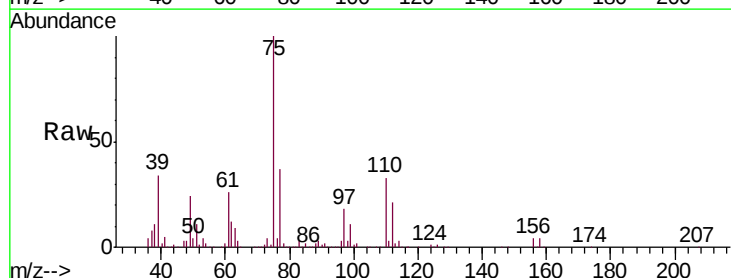
Acq: 16 Sep 2019 20:09

Tgt Ion: 75 Resp: 539370

Ion Ratio Lower Upper

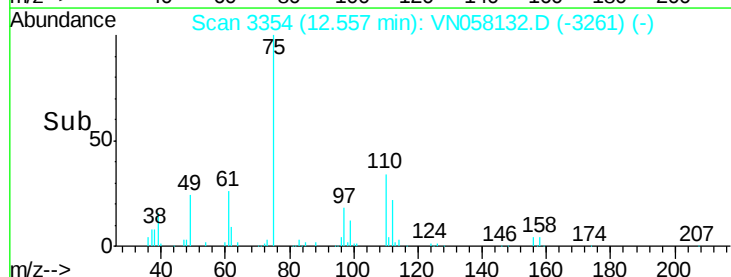
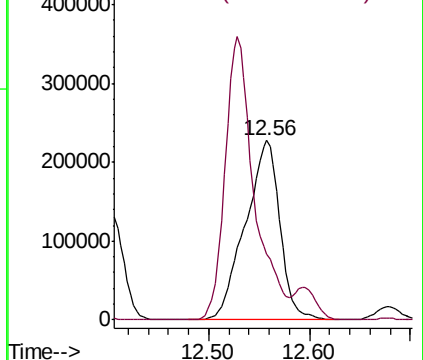
75 100

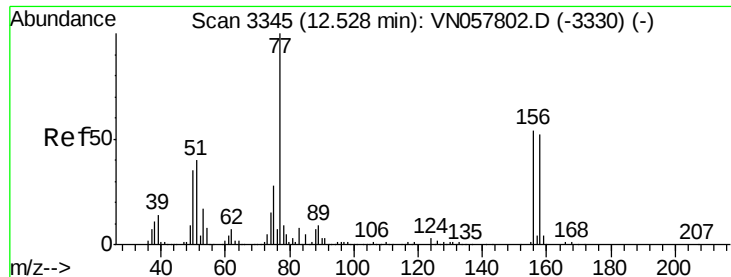
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.035 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

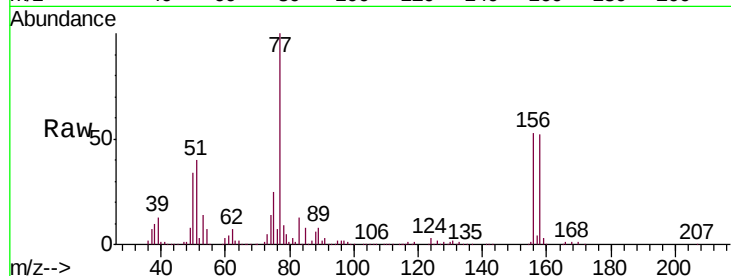
Tgt Ion:156 Resp: 321948

Ion Ratio Lower Upper

156 100

77 225.0 113.7 341.1

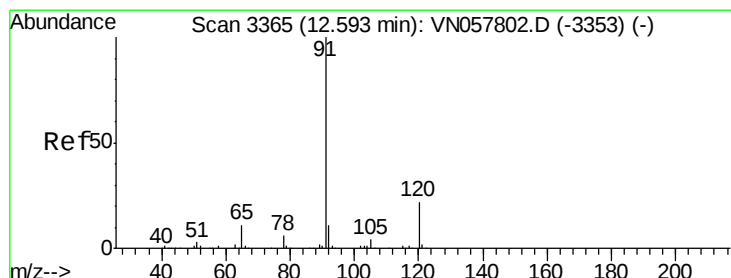
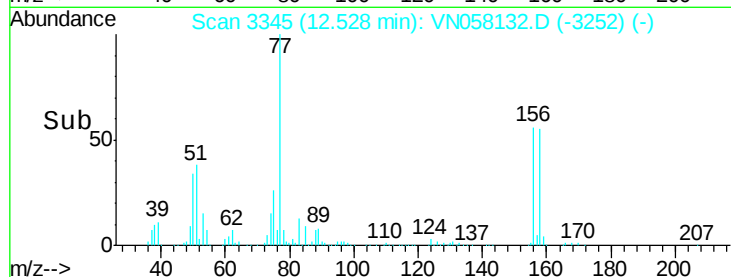
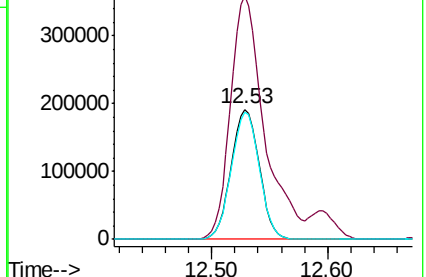
158 97.5 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.905 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058132.D

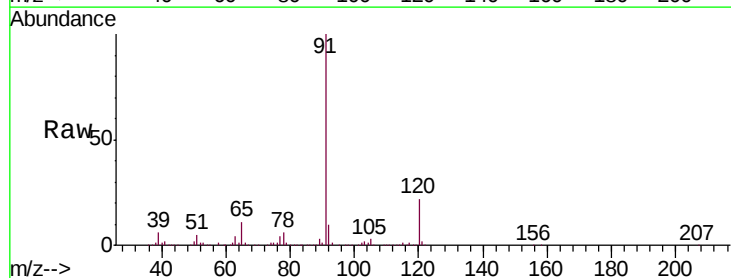
Acq: 16 Sep 2019 20:09

Tgt Ion: 91 Resp: 1610225

Ion Ratio Lower Upper

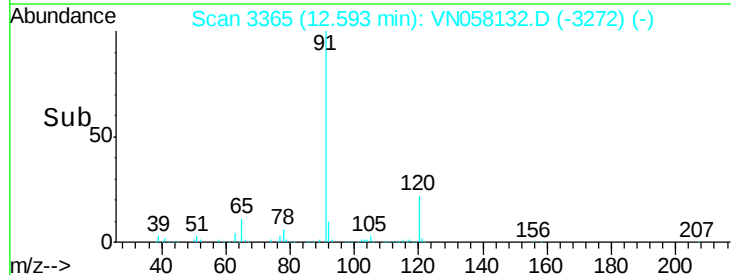
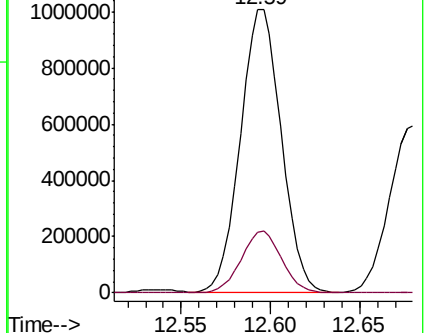
91 100

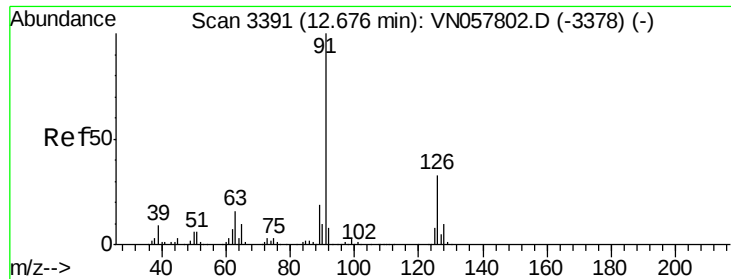
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.731 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

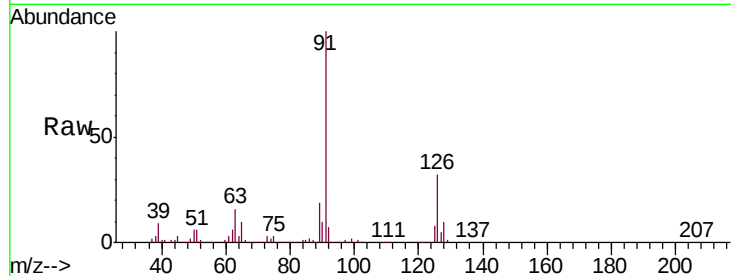
VSTDCCC050EC

Tgt Ion: 91 Resp: 972468

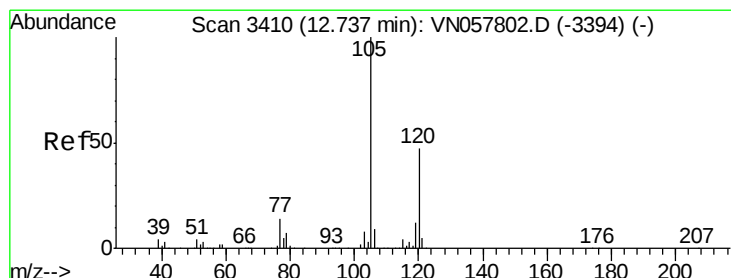
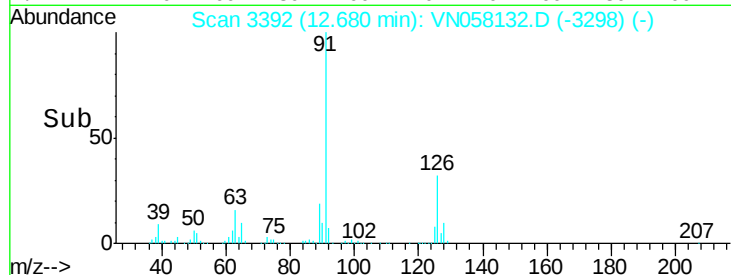
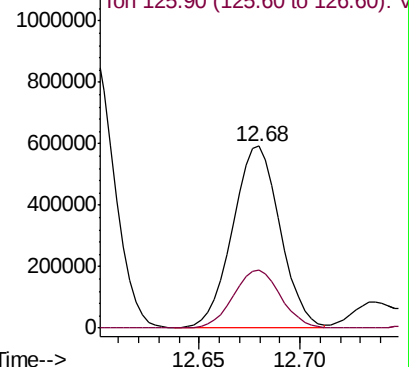
Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN058132.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.649 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058132.D

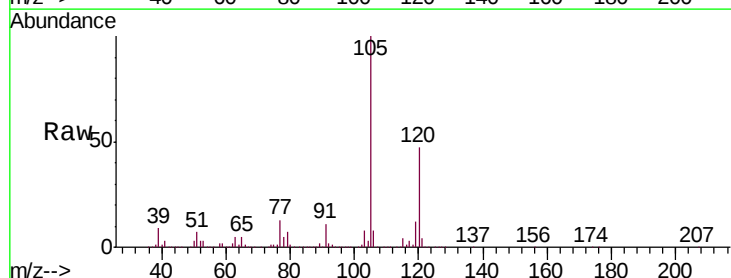
Acq: 16 Sep 2019 20:09

Tgt Ion: 105 Resp: 1178627

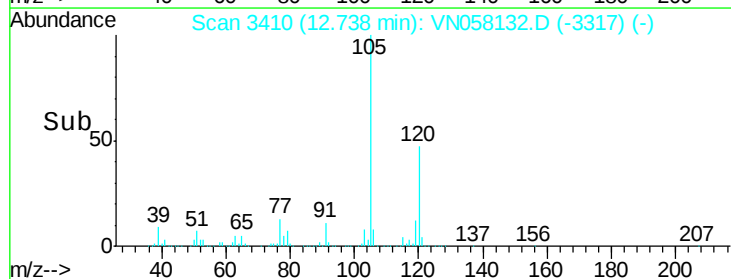
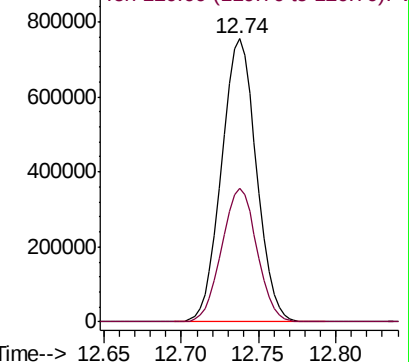
Ion Ratio Lower Upper

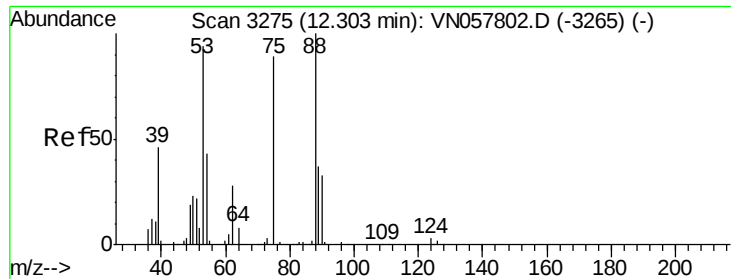
105 100

120 47.6 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058132.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.295 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

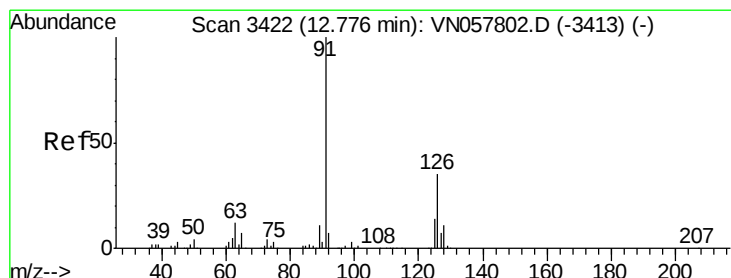
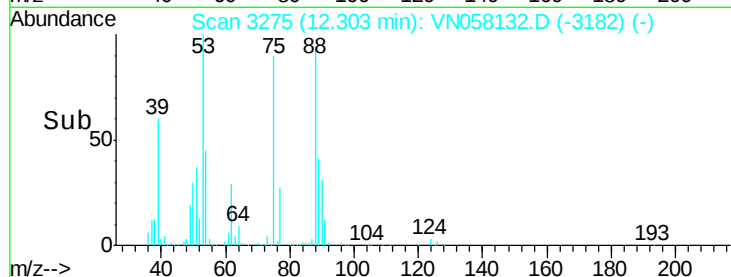
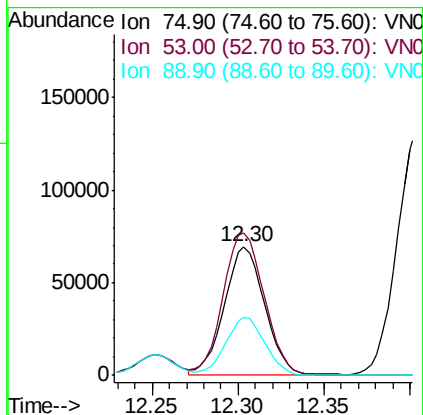
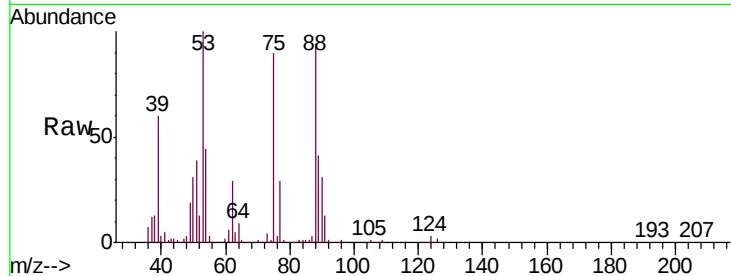
Tgt Ion: 75 Resp: 112343

Ion Ratio Lower Upper

75 100

53 114.3 88.4 132.6

89 44.6 35.3 52.9



#82

4-Chlorotoluene

Concen: 47.451 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058132.D

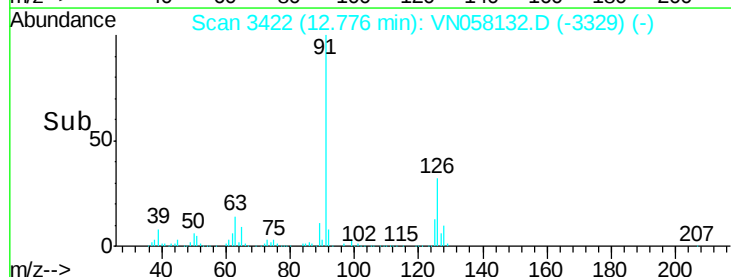
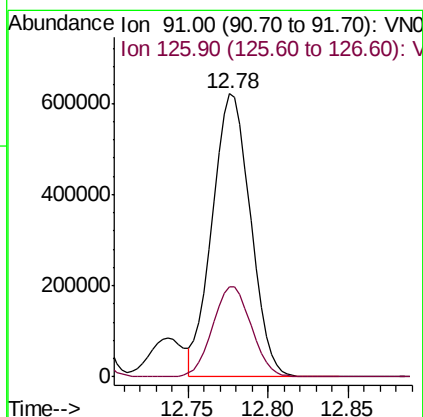
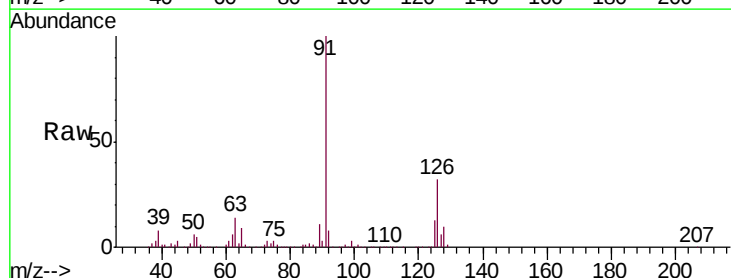
Acq: 16 Sep 2019 20:09

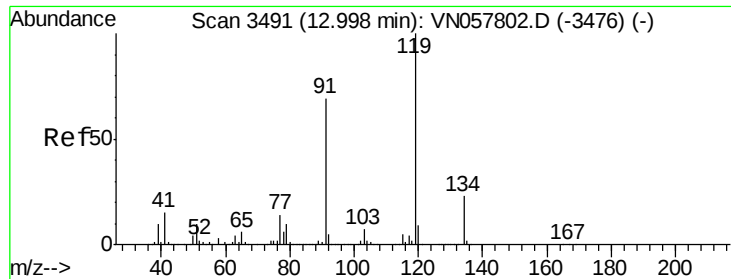
Tgt Ion: 91 Resp: 1014044

Ion Ratio Lower Upper

91 100

126 32.3 16.0 48.0

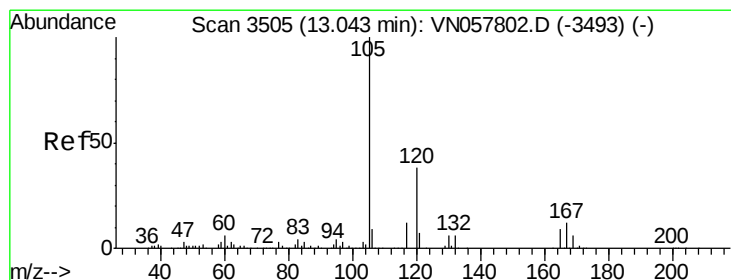
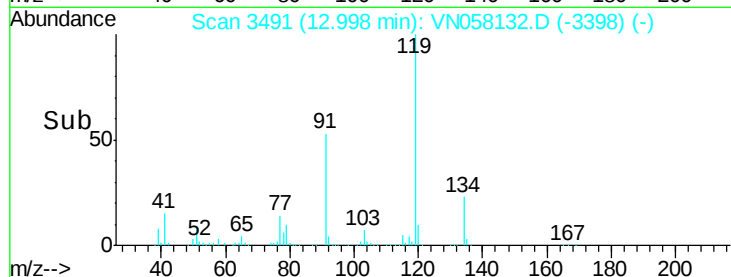
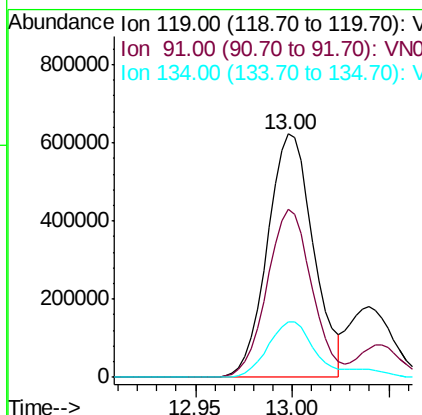
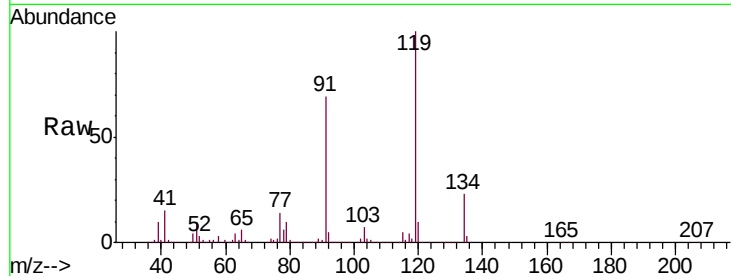




#83
 tert-Butylbenzene
 Concen: 47.896 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

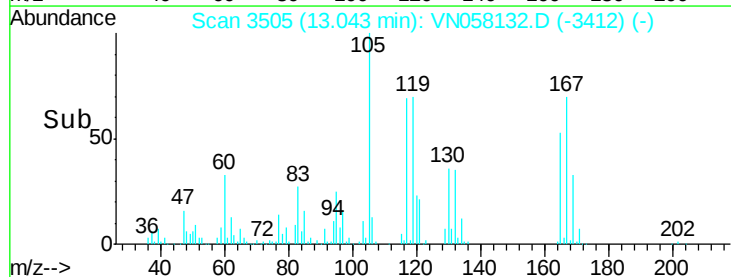
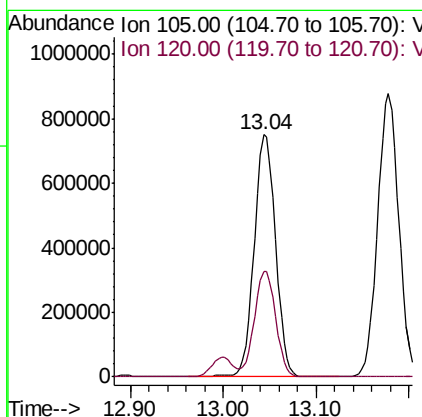
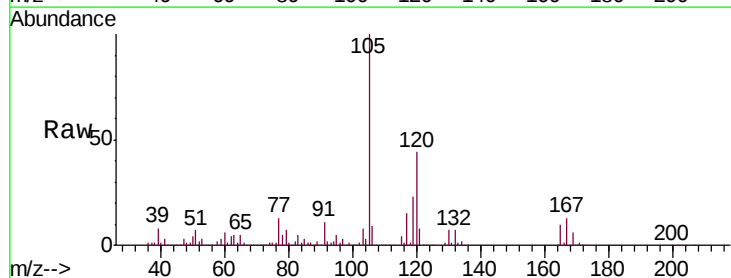
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

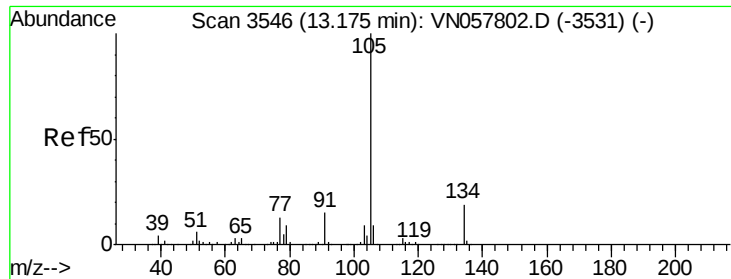
Tgt Ion:119 Resp: 1031459
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.6 100.8
 134 22.9 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 48.899 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion:105 Resp: 1204051
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.4 67.2

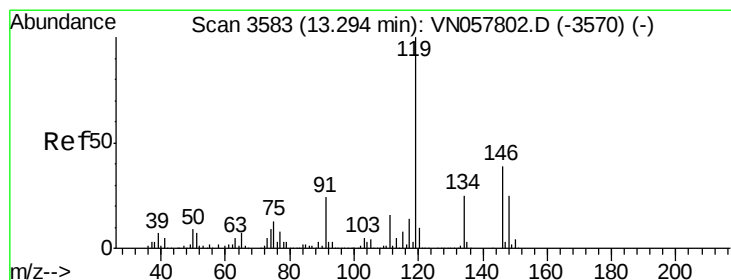
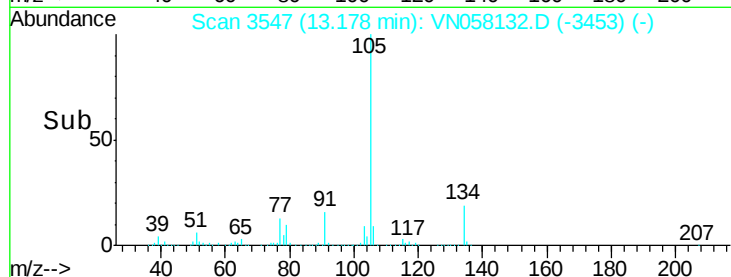
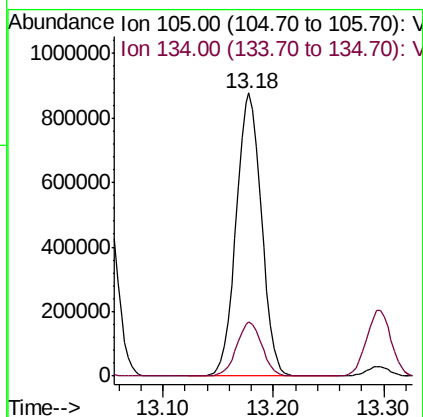
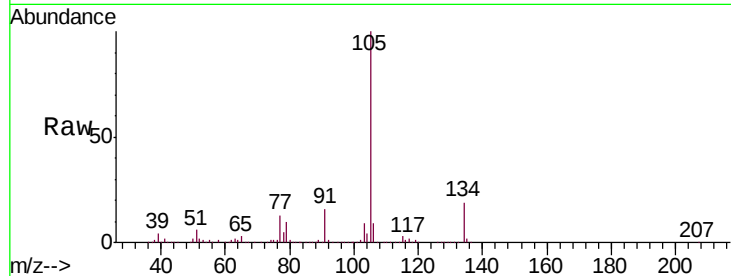




#85
 sec-Butylbenzene
 Concen: 48.623 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

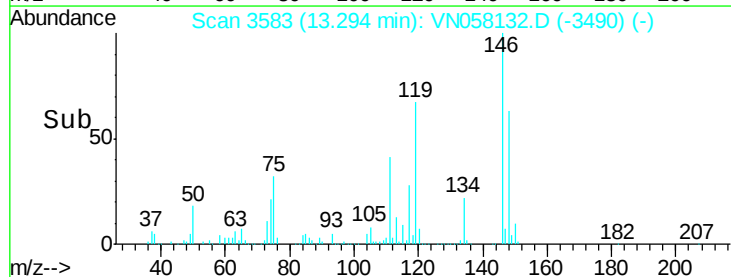
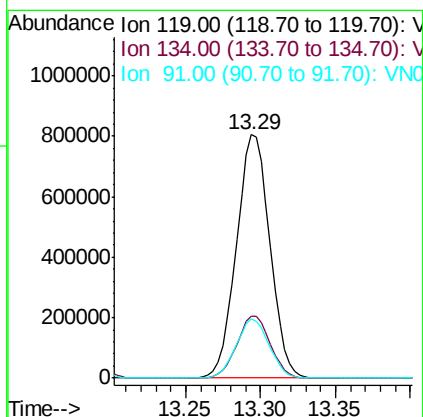
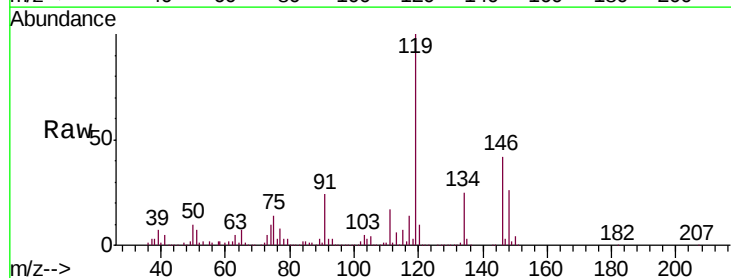
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

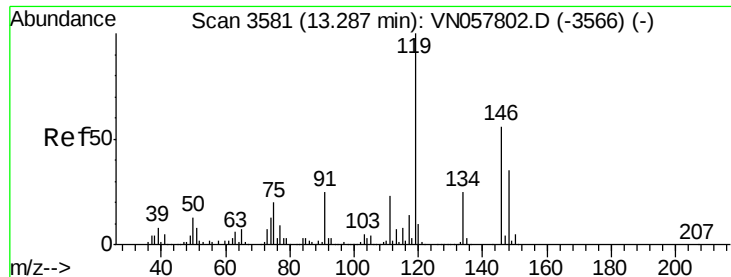
Tgt Ion:105 Resp: 1387877
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 49.613 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion:119 Resp: 1247759
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.5 37.5
 91 24.1 12.3 36.8

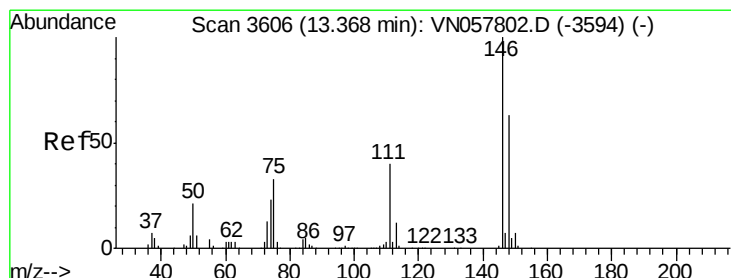
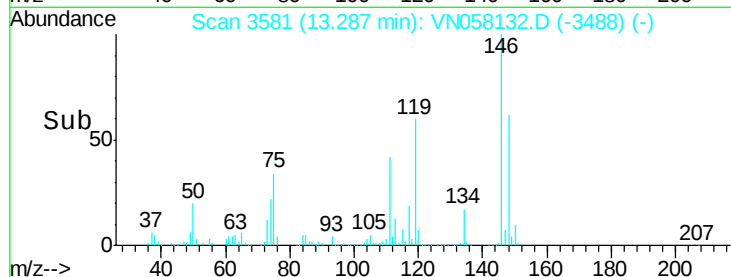
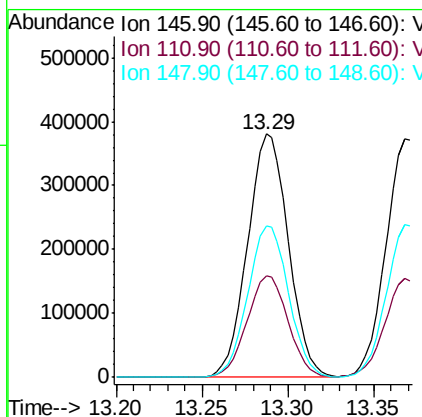
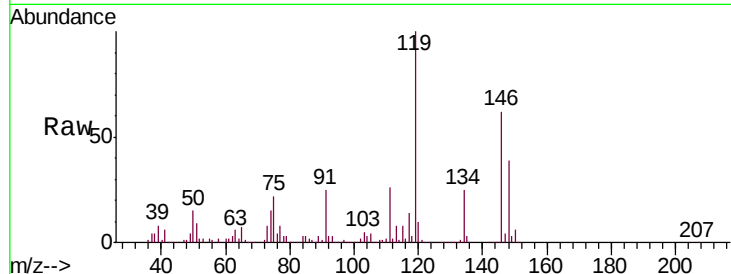




#87
 1,3-Dichlorobenzene
 Concen: 47.729 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

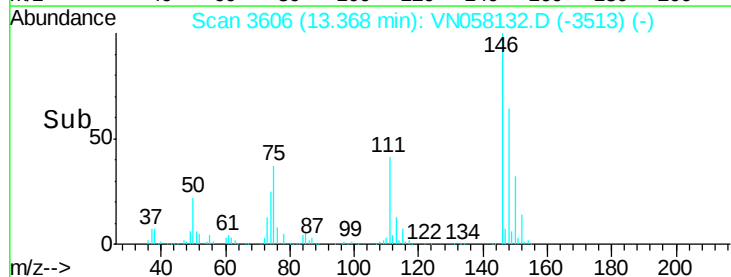
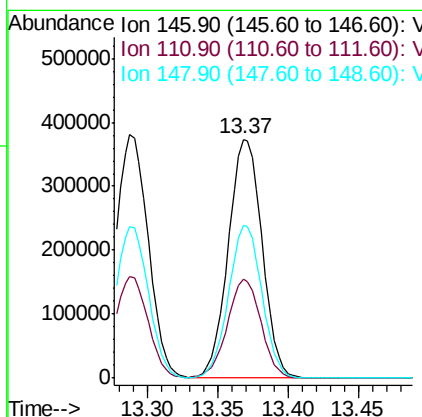
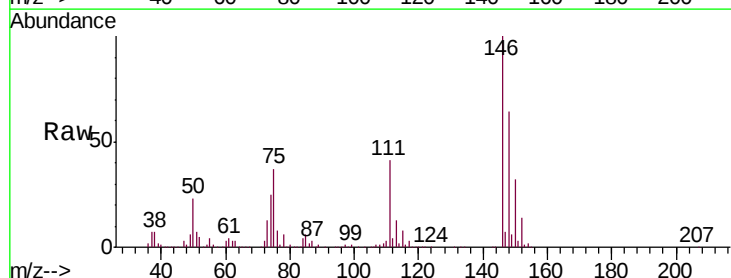
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

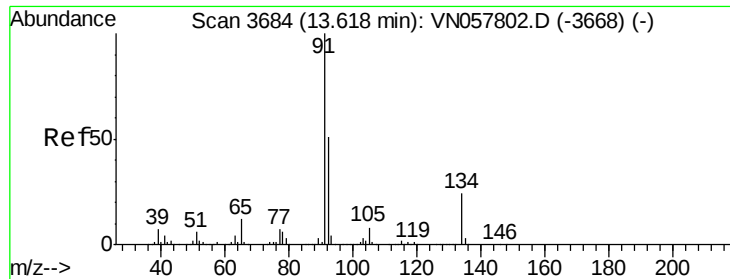
Tgt Ion:146 Resp: 626286
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.5 61.6
 148 62.3 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 46.892 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion:146 Resp: 624562
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.4 61.2
 148 63.3 31.8 95.4





#89

n-Butylbenzene

Concen: 48.410 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

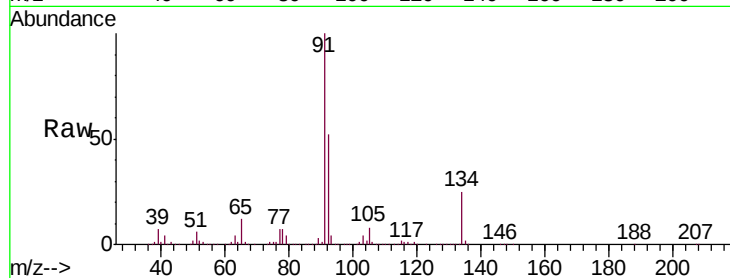
Tgt Ion: 91 Resp: 1149762

Ion Ratio Lower Upper

91 100

92 51.9 25.7 77.0

134 24.5 11.9 35.7

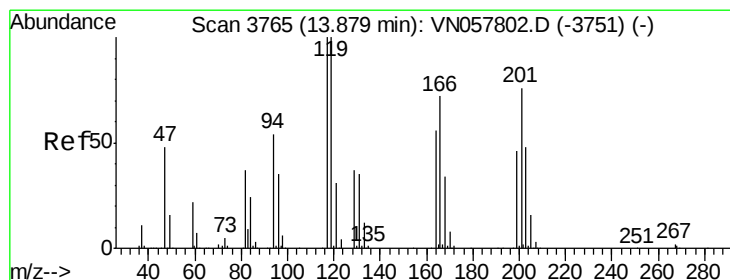
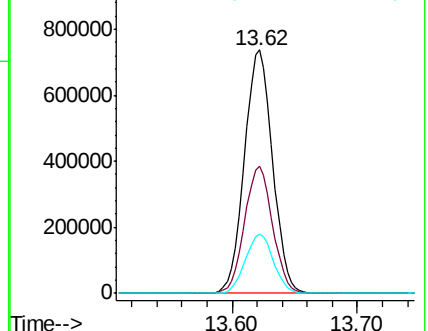
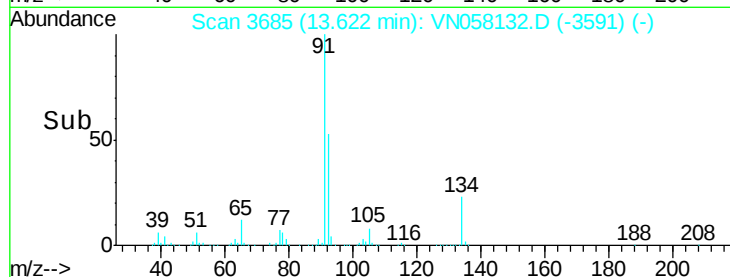


Abundance Ion 91.00 (90.70 to 91.70): VN058132.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058132.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058132.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 50.540 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058132.D

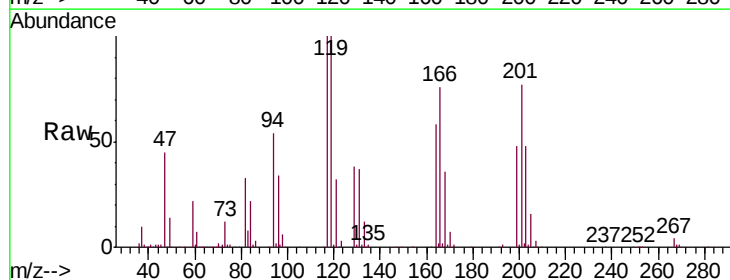
Acq: 16 Sep 2019 20:09

Tgt Ion: 117 Resp: 189037

Ion Ratio Lower Upper

117 100

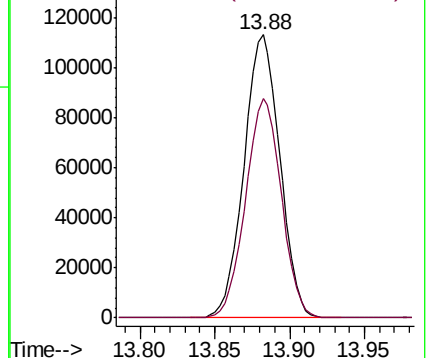
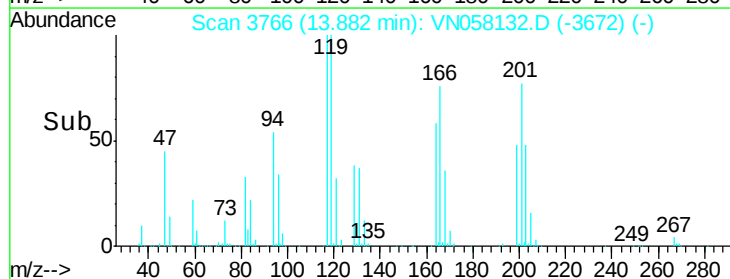
201 77.0 37.5 112.7

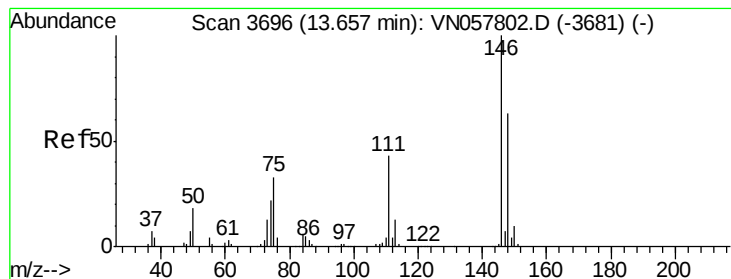


Abundance Ion 116.80 (116.50 to 117.50): VN058132.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058132.D (-3672) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 47.556 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

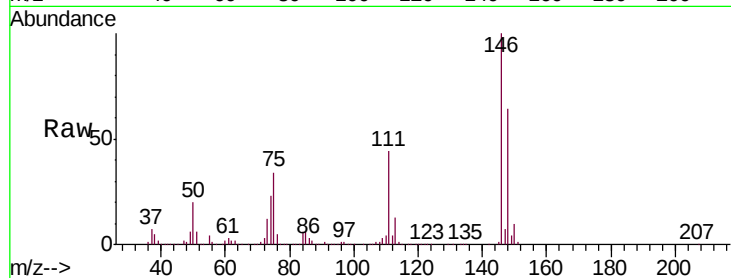
Tgt Ion:146 Resp: 623422

Ion Ratio Lower Upper

146 100

111 43.6 21.3 63.9

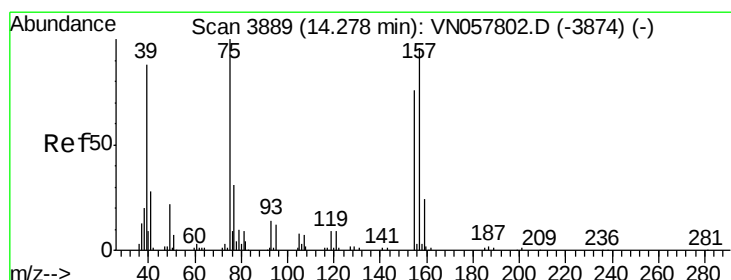
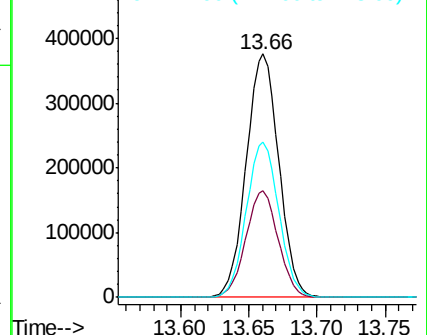
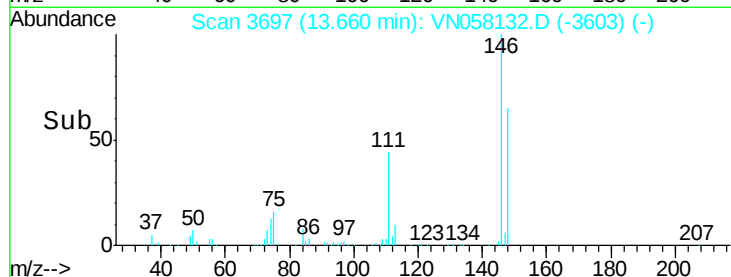
148 63.6 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.091 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

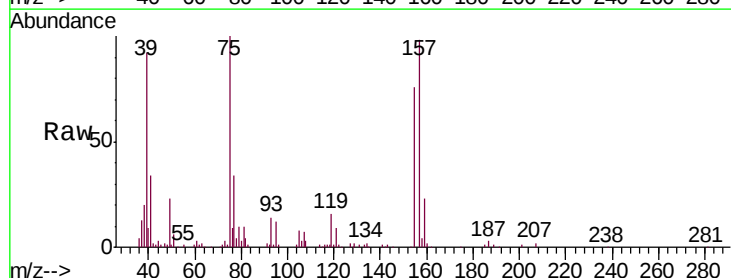
Tgt Ion: 75 Resp: 81456

Ion Ratio Lower Upper

75 100

155 74.8 37.3 111.8

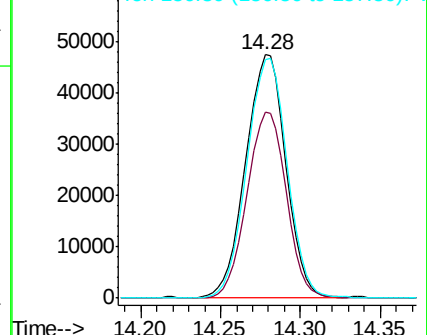
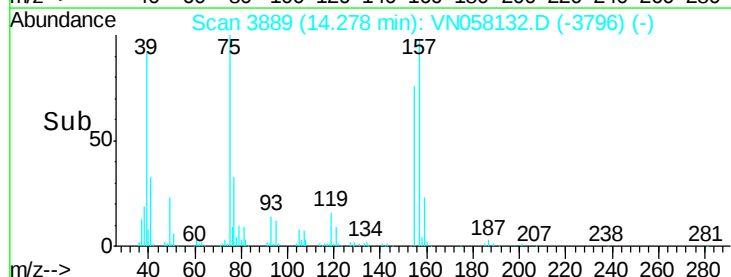
157 98.7 47.9 143.8

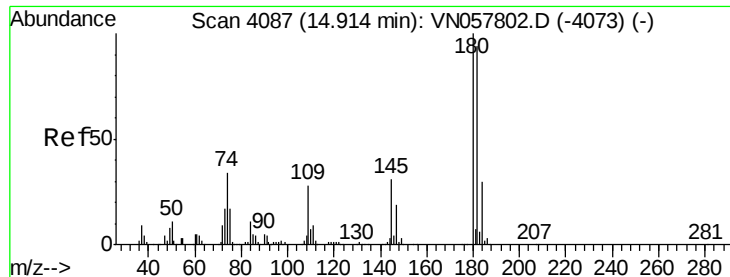


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

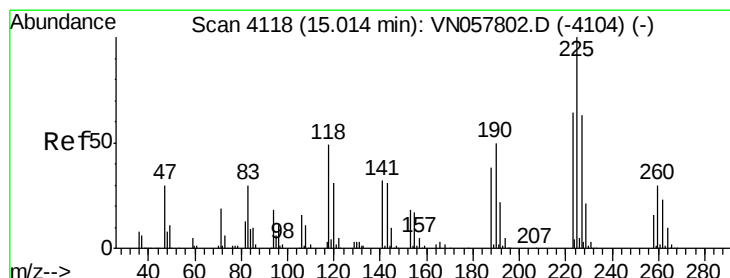
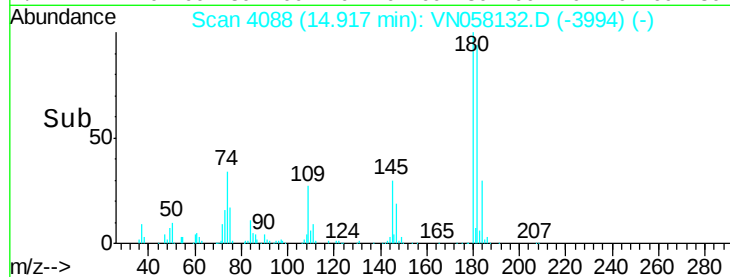
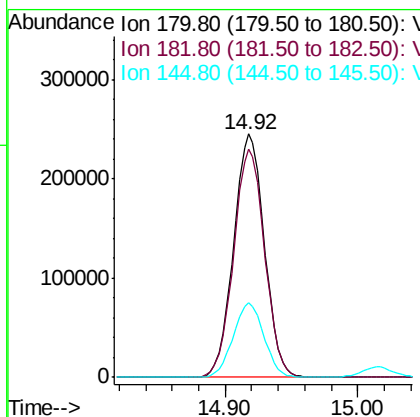
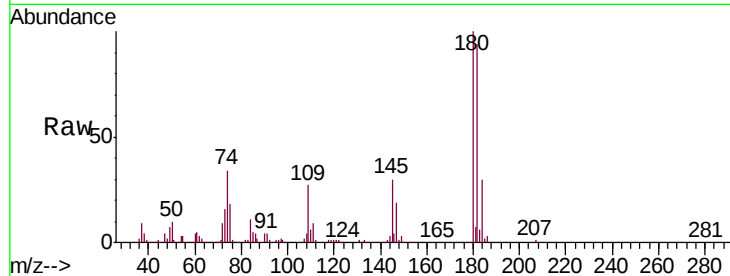




#93
 1,2,4-Trichlorobenzene
 Concen: 46.005 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

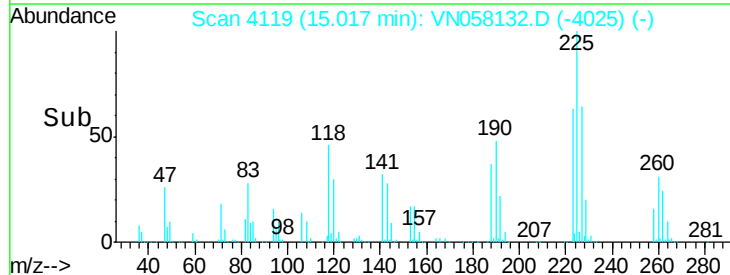
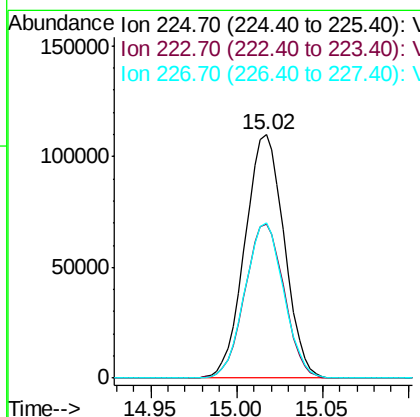
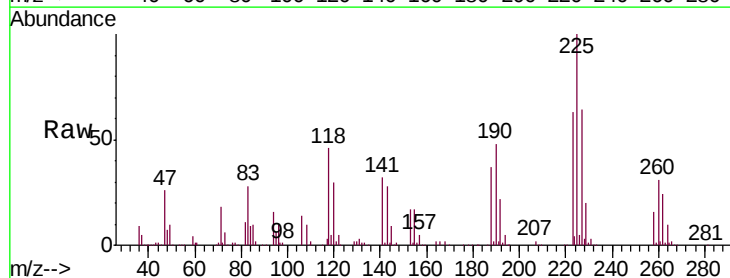
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

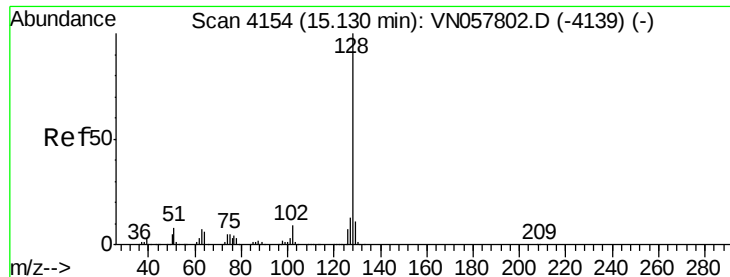
Tgt Ion:180 Resp: 394192
 Ion Ratio Lower Upper
 180 100
 182 94.6 46.9 140.8
 145 30.6 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 48.034 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058132.D
 Acq: 16 Sep 2019 20:09

Tgt Ion:225 Resp: 174467
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.4 97.2
 227 63.1 31.8 95.4





#95

Naphthalene

Concen: 51.339 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

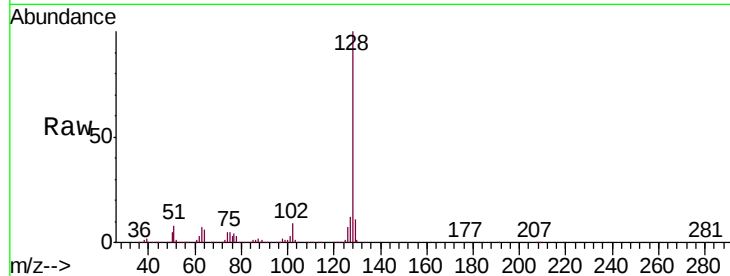
Tgt Ion:128 Resp: 1109623

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.5 8.6 12.8

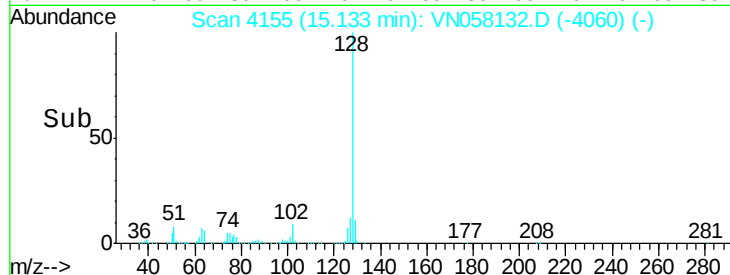


Abundance Ion 128.00 (127.70 to 128.70): V

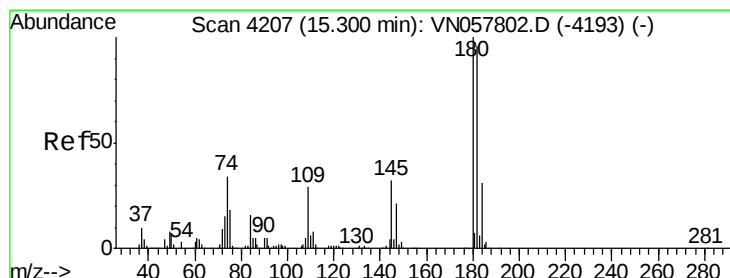
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 48.908 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058132.D

Acq: 16 Sep 2019 20:09

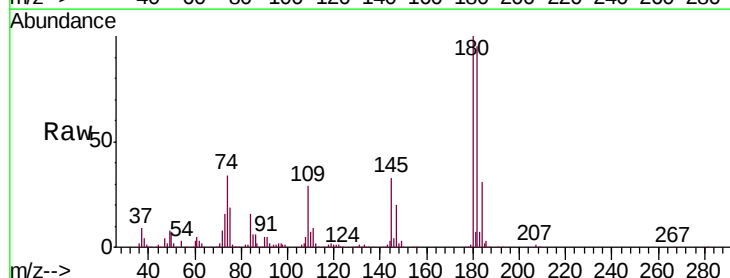
Tgt Ion:180 Resp: 365680

Ion Ratio Lower Upper

180 100

182 95.0 48.3 144.8

145 32.3 16.3 48.8

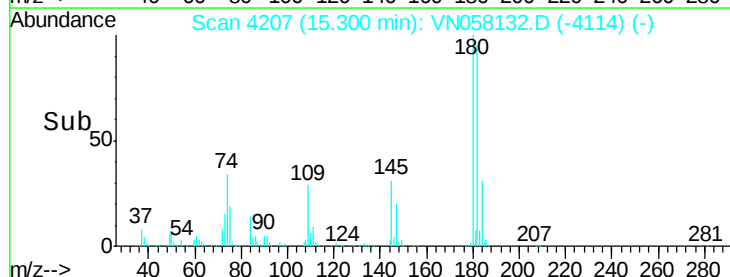


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.30



Time-->