

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN058001.D
 Acq On : 13 Sep 2019 3:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 13 04:54:57 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	305543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296170	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	333475	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	7.58	113	237837	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.09	98	957858	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.41	95	347969	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	209337	49.541	ug/l	98
3) Chloromethane	2.04	50	175722	40.802	ug/l	97
4) Vinyl Chloride	2.17	62	187543	41.145	ug/l	99
5) Bromomethane	2.54	94	99608	39.446	ug/l	98
6) Chloroethane	2.68	64	121620	41.873	ug/l	98
7) Trichlorofluoromethane	3.00	101	246328	42.943	ug/l	99
8) Diethyl Ether	3.39	74	114781	47.977	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	177623	49.087	ug/l	98
10) Methyl Iodide	3.93	142	176661	43.872	ug/l	99
11) Tert butyl alcohol	4.76	59	191016	255.025	ug/l	100
12) 1,1-Dichloroethene	3.72	96	147327	45.283	ug/l	95
13) Acrolein	3.59	56	33143	52.156	ug/l	99
14) Allyl chloride	4.30	41	258405	40.585	ug/l	91
15) Acrylonitrile	4.96	53	540829	262.701	ug/l	100
16) Acetone	3.79	43	458969	226.236	ug/l	99
17) Carbon Disulfide	4.03	76	207206	40.949	ug/l	100
18) Methyl Acetate	4.30	43	295836	54.692	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	693893	51.248	ug/l	99
20) Methylene Chloride	4.53	84	204743	53.089	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	165259	46.988	ug/l	96
22) Diisopropyl ether	5.93	45	765360	51.258	ug/l	99
23) Vinyl Acetate	5.87	43	2794313	264.064	ug/l	100
24) 1,1-Dichloroethane	5.83	63	410895	50.352	ug/l	99
25) 2-Butanone	6.82	43	740488	252.187	ug/l	100
26) 2,2-Dichloropropane	6.81	77	217872	33.737	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	230771	48.962	ug/l	98
28) Bromochloromethane	7.18	49	211699	51.927	ug/l	97
29) Tetrahydrofuran	7.19	42	479543	265.038	ug/l	99
30) Chloroform	7.36	83	432882	50.734	ug/l	98
31) Cyclohexane	7.64	56	281005	50.556	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	341731	50.499	ug/l	99
36) 1,1-Dichloropropene	7.78	75	269095	45.801	ug/l	99
37) Ethyl Acetate	6.91	43	304350	50.138	ug/l	100
38) Carbon Tetrachloride	7.76	117	265382	49.474	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275608	44.624	ug/l	98
40) Benzene	8.03	78	861202	48.687	ug/l	99
41) Methacrylonitrile	7.19	41	457133	165.899	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	356553	50.402	ug/l	99
43) Isopropyl Acetate	8.15	43	556854	54.550	ug/l #	89
44) Trichloroethene	8.83	130	205845	47.446	ug/l	98
45) 1,2-Dichloropropane	9.11	63	259986	50.512	ug/l	100
46) Dibromomethane	9.20	93	159370	51.240	ug/l	99
47) Bromodichloromethane	9.40	83	324674	52.275	ug/l	99
48) Methyl methacrylate	9.19	41	260345	50.276	ug/l	99
49) 1,4-Dioxane	9.19	88	85244	973.448	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1664055	275.464	ug/l	100
52) Toluene	10.15	92	545481	48.962	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	322700	49.339	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	350073	48.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	244200	51.747	ug/l	98
56) Ethyl methacrylate	10.43	69	357934	50.367	ug/l	98
57) 1,3-Dichloropropane	10.71	76	414741	50.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	817621	244.276	ug/l	100
59) 2-Hexanone	10.75	43	1184710	261.647	ug/l	100
60) Dibromochloromethane	10.90	129	230286	52.551	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229170	51.366	ug/l	99
64) Tetrachloroethene	10.63	164	175511	48.955	ug/l	96
65) Chlorobenzene	11.43	112	622962	49.023	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	226786	51.432	ug/l	100
67) Ethyl Benzene	11.51	91	1109485	49.818	ug/l	99
68) m/p-Xylenes	11.62	106	822408	100.814	ug/l	99
69) o-Xylene	11.95	106	402104	49.581	ug/l	96
70) Styrene	11.97	104	719206	51.530	ug/l	99
71) Bromoform	12.13	173	143619	52.242	ug/l #	98
73) Isopropylbenzene	12.25	105	1139662	49.590	ug/l	100
74) N-amyl acetate	12.07	43	491886	49.180	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	374622	48.413	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	437717	65.332	ug/l #	100
77) Bromobenzene	12.53	156	265091	46.265	ug/l	98
78) n-propylbenzene	12.60	91	1330546	50.418	ug/l	100
79) 2-Chlorotoluene	12.68	91	794221	47.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	964558	49.673	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	80224	42.137	ug/l	93
82) 4-Chlorotoluene	12.78	91	818255	47.771	ug/l	98
83) tert-Butylbenzene	13.00	119	845621	48.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	990168	50.171	ug/l	98
85) sec-Butylbenzene	13.18	105	1153105	50.402	ug/l	100
86) p-Isopropyltoluene	13.29	119	1027916	50.993	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	509632	48.457	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	500719	46.903	ug/l	100
89) n-Butylbenzene	13.62	91	927744	48.735	ug/l	100
90) Hexachloroethane	13.88	117	147753	49.285	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	515631	49.075	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	67121	52.525	ug/l	99

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QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

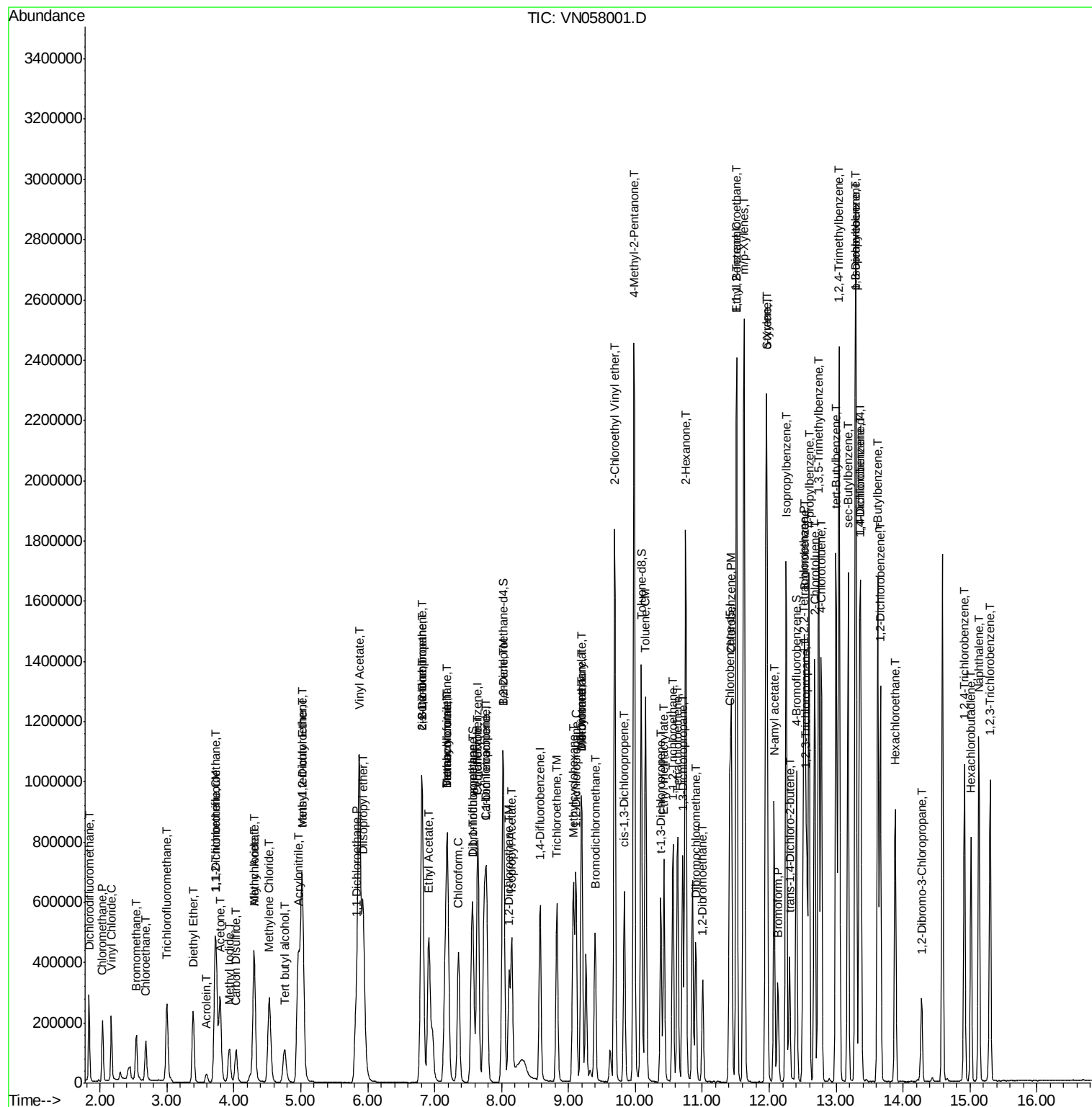
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	309128	45.012	ug/l	99
94) Hexachlorobutadiene	15.01	225	139751	48.004	ug/l	99
95) Naphthalene	15.13	128	878614	50.698	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	294967	49.214	ug/l	99

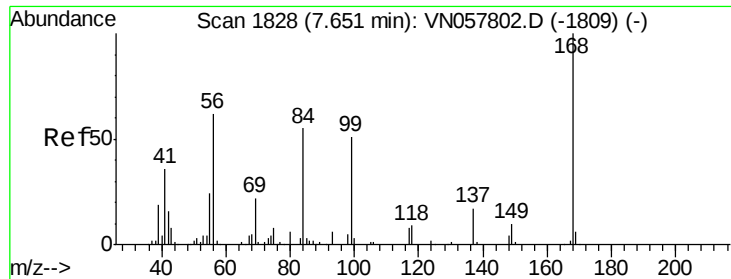
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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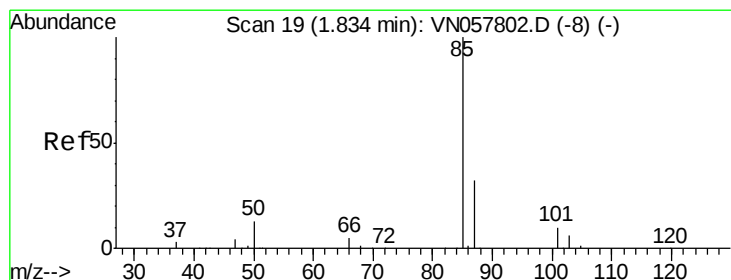
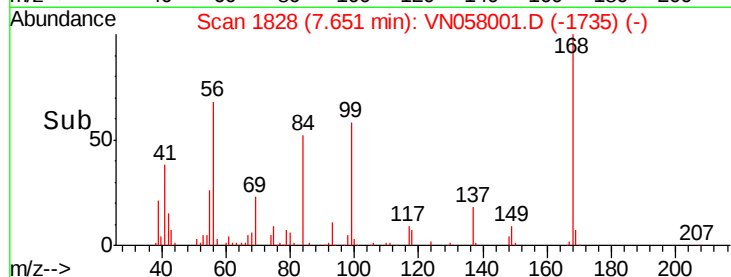
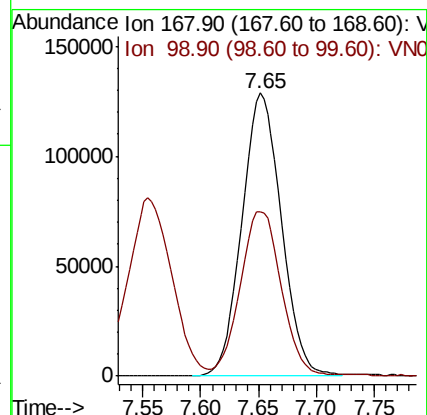
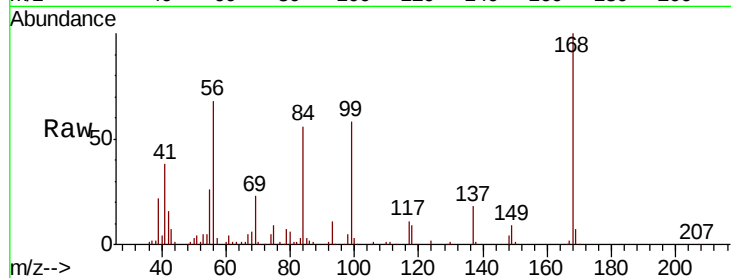




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN058001.D
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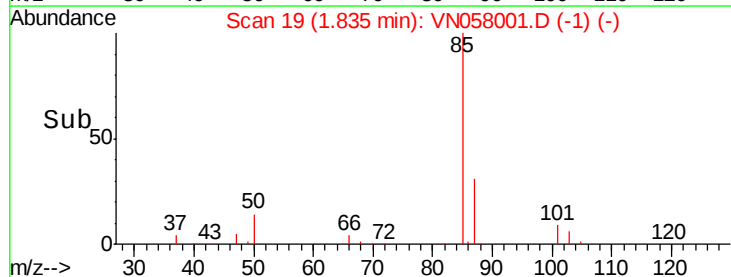
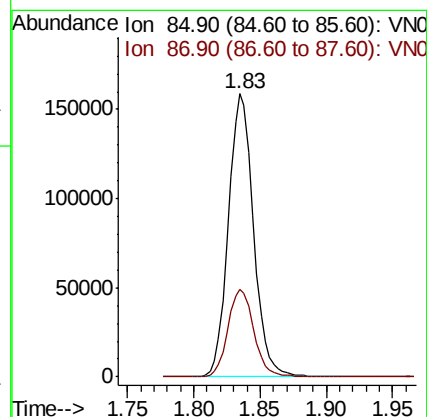
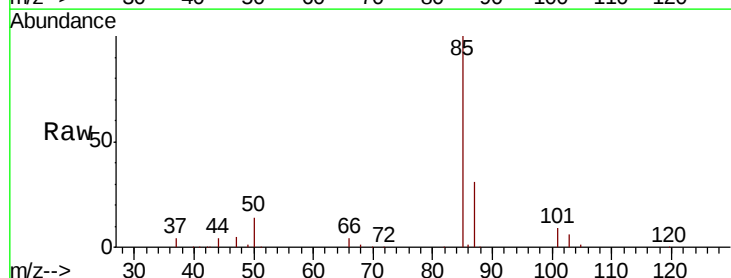
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

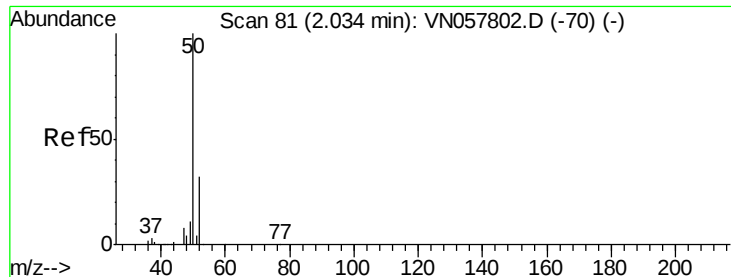
Tgt Ion: 168 Resp: 305543
Ion Ratio Lower Upper
168 100
99 57.7 48.0 72.0



#2
Dichlorodifluoromethane
Concen: 49.541 ug/l
RT: 1.83 min Scan# 19
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 85 Resp: 209337
Ion Ratio Lower Upper
85 100
87 31.1 16.0 47.9





#3

Chloromethane

Concen: 40.802 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

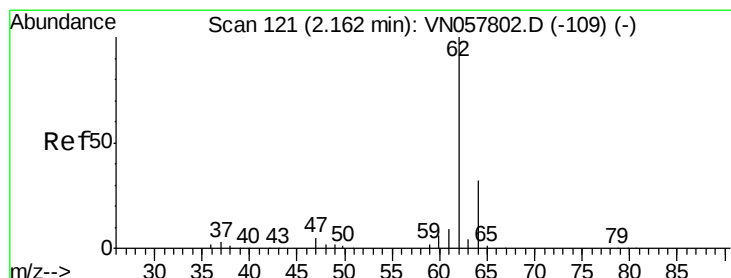
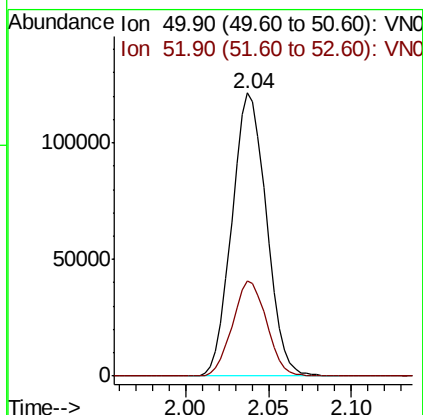
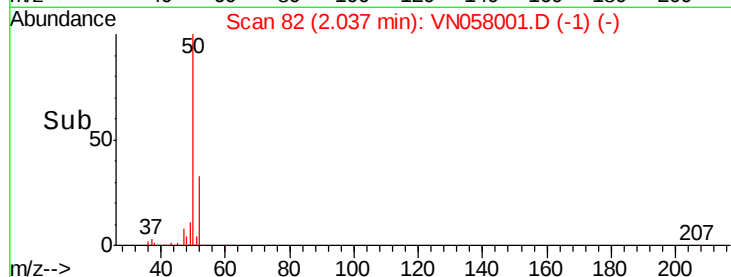
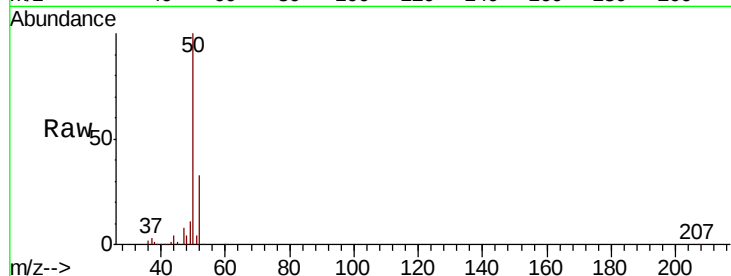
VSTDCCC050EC

Tgt Ion: 50 Resp: 175722

Ion Ratio Lower Upper

50 100

52 33.4 25.5 38.3



#4

Vinyl Chloride

Concen: 41.145 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058001.D

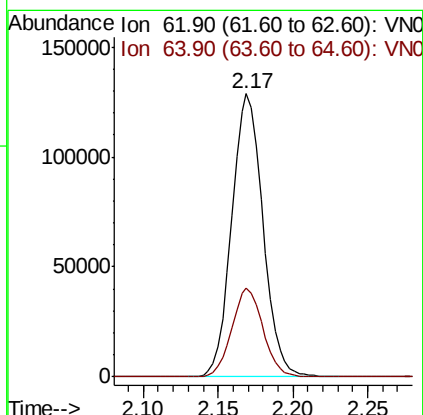
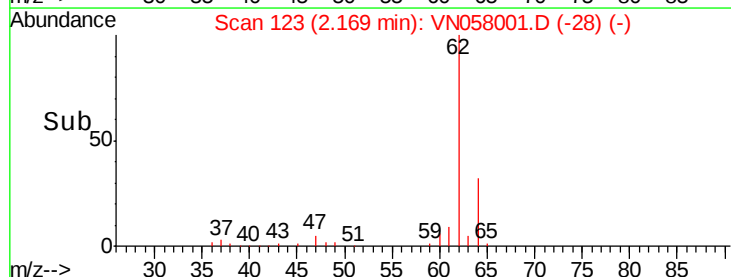
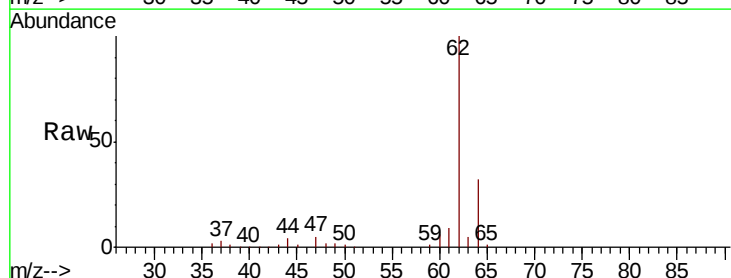
Acq: 13 Sep 2019 3:27

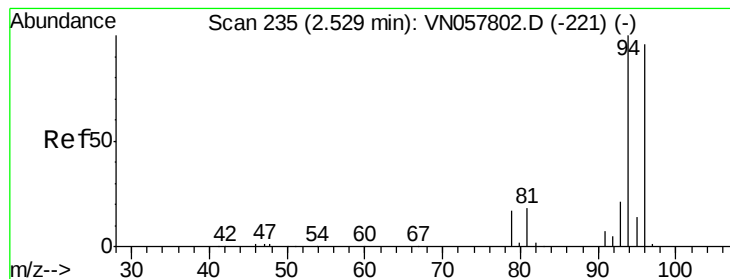
Tgt Ion: 62 Resp: 187543

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 39.446 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

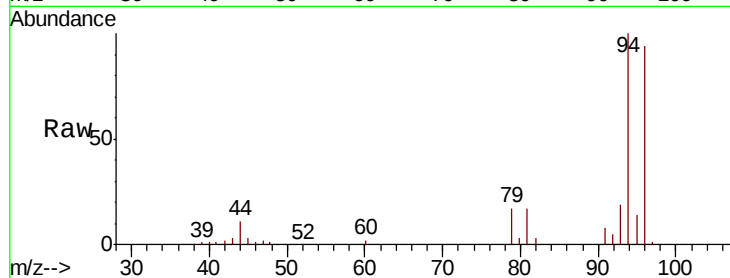
VSTDCCC050EC

Tgt Ion: 94 Resp: 99608

Ion Ratio Lower Upper

94 100

96 94.5 77.0 115.4

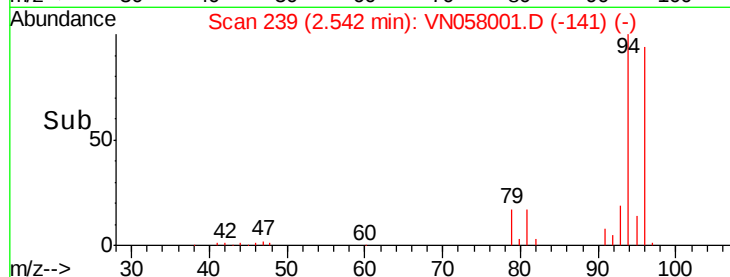


Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.54

Time-->

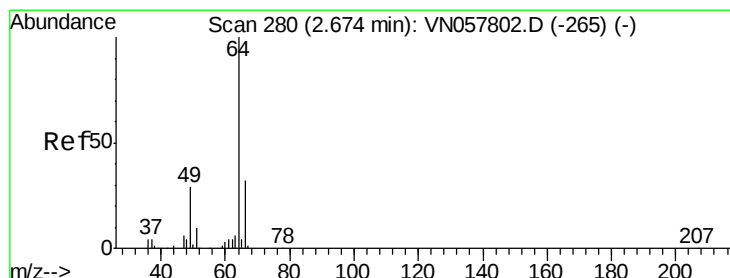


Abundance Ion 93.90 (93.60 to 94.60): VN058001.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058001.D (-141) (-)

2.54

Time-->



#6

Chloroethane

Concen: 41.873 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058001.D

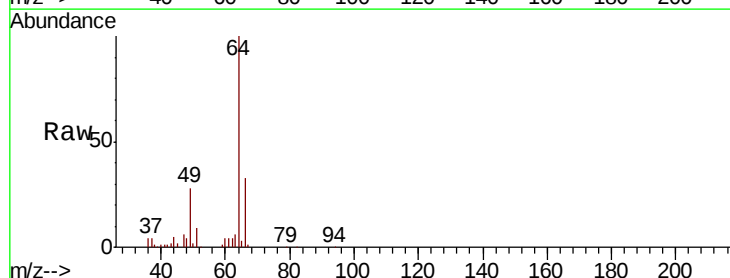
Acq: 13 Sep 2019 3:27

Tgt Ion: 64 Resp: 121620

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3

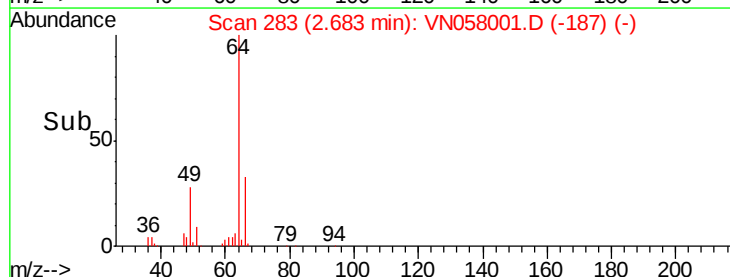


Abundance Ion 63.90 (63.60 to 64.60): VN057802.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN057802.D (-265) (-)

2.68

Time-->

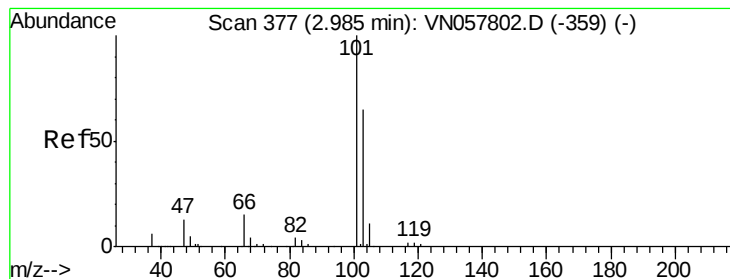


Abundance Ion 63.90 (63.60 to 64.60): VN058001.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN058001.D (-187) (-)

2.68

Time-->

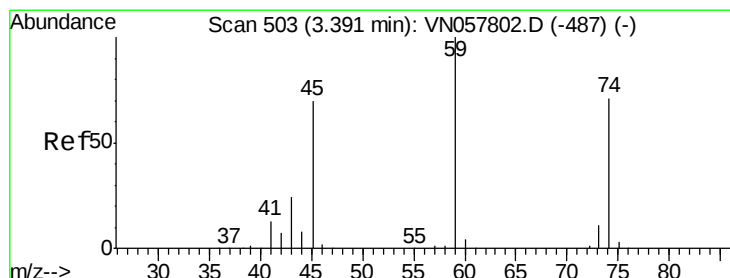
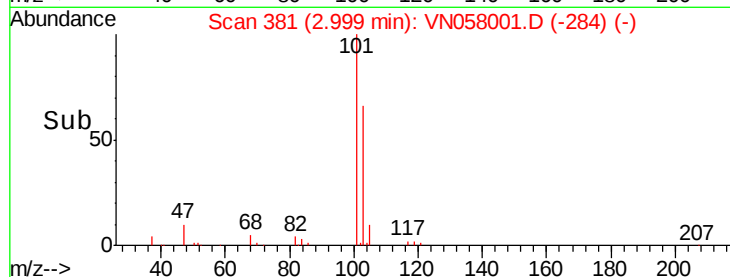
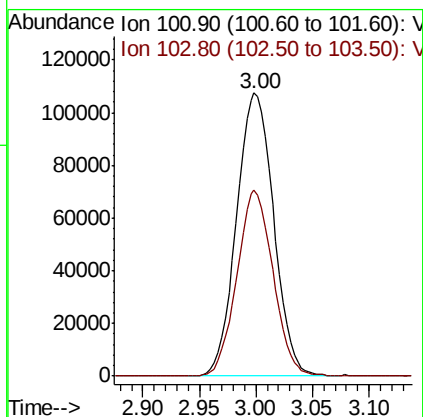
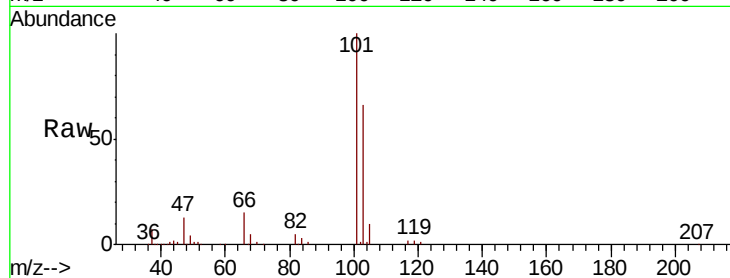


#7

Trichlorofluoromethane
Concen: 42.943 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
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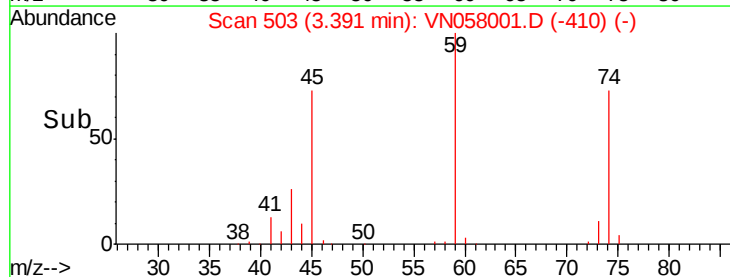
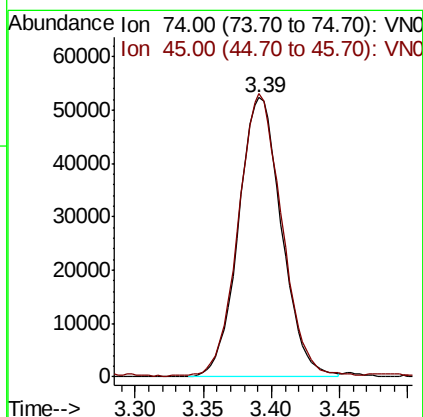
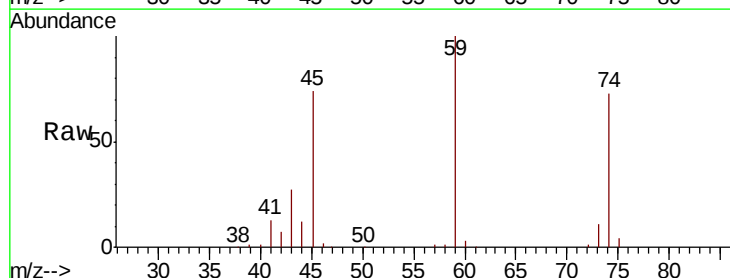
Tgt Ion: 101 Resp: 246328
Ion Ratio Lower Upper
101 100
103 65.8 51.9 77.9

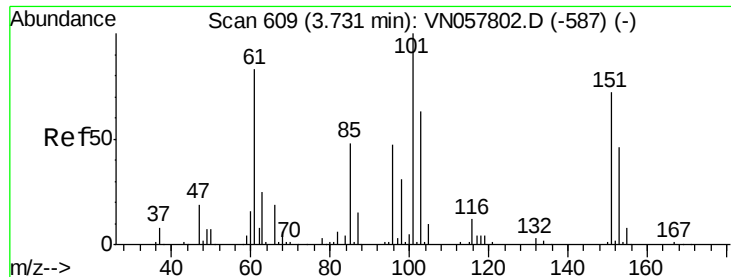


#8

Diethyl Ether
Concen: 47.977 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 74 Resp: 114781
Ion Ratio Lower Upper
74 100
45 101.9 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.087 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

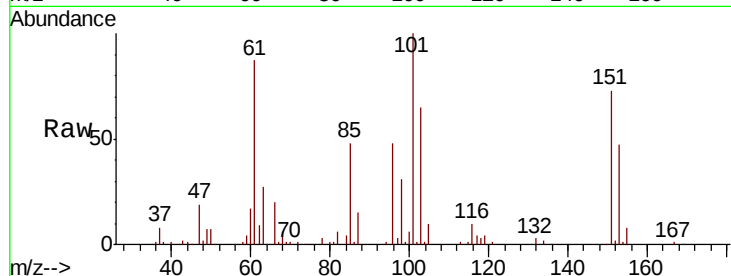
Tgt Ion:101 Resp: 177623

Ion Ratio Lower Upper

101 100

85 47.2 38.1 57.1

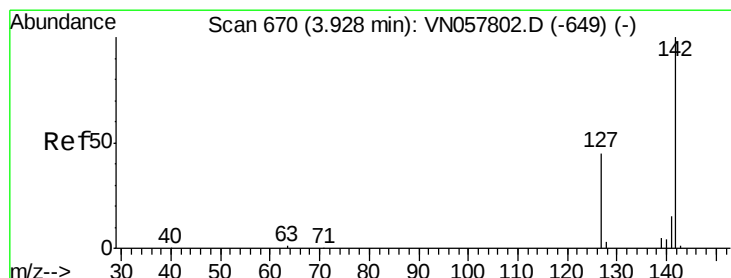
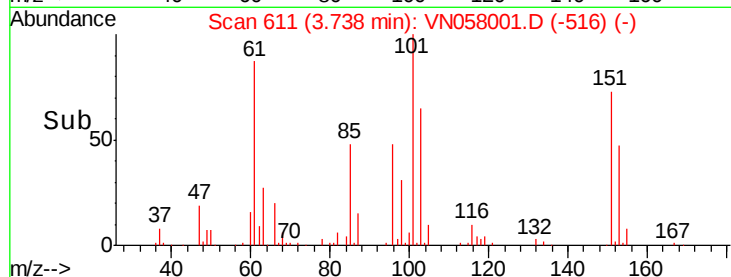
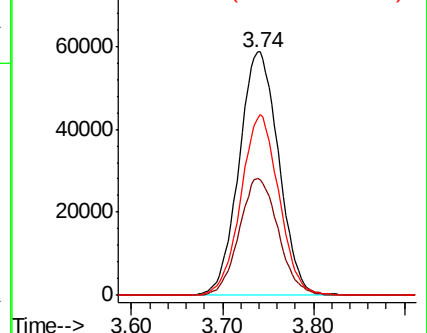
151 71.2 58.4 87.6



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: 43.872 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.01 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

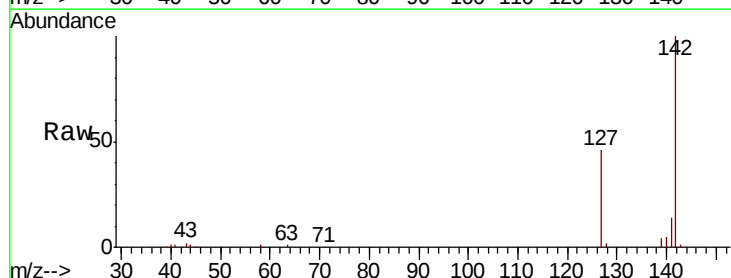
Tgt Ion:142 Resp: 176661

Ion Ratio Lower Upper

142 100

127 46.5 36.7 55.1

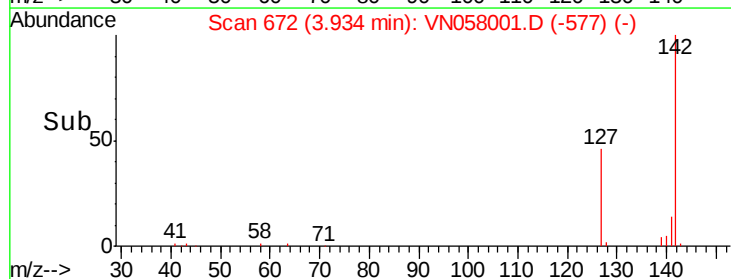
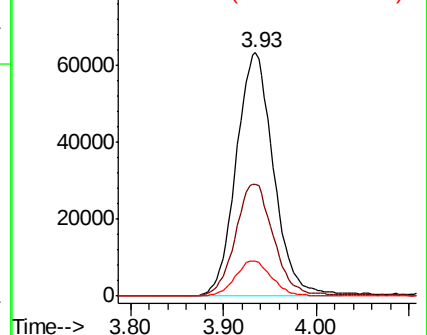
141 14.1 11.4 17.0

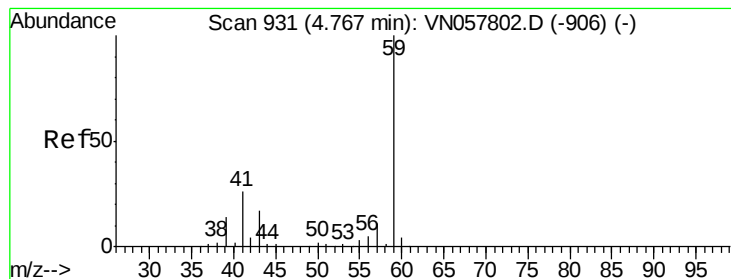


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



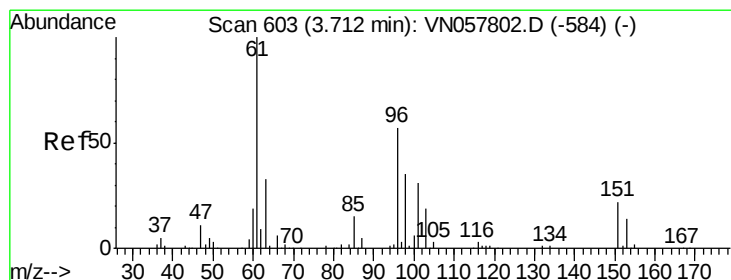
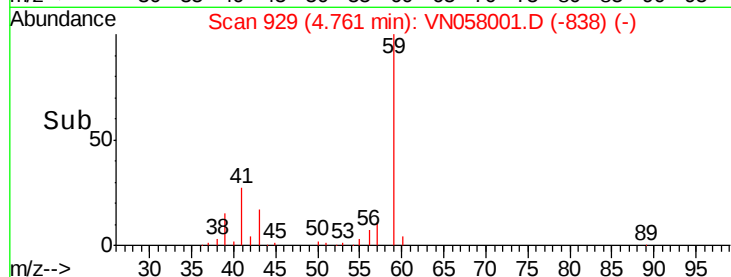
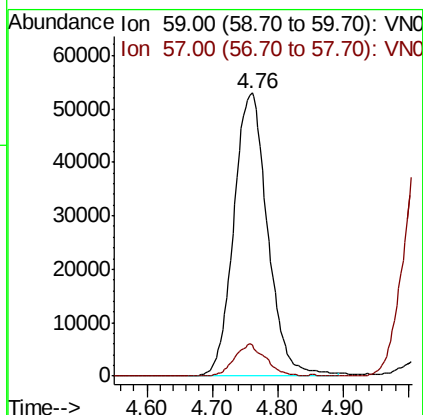
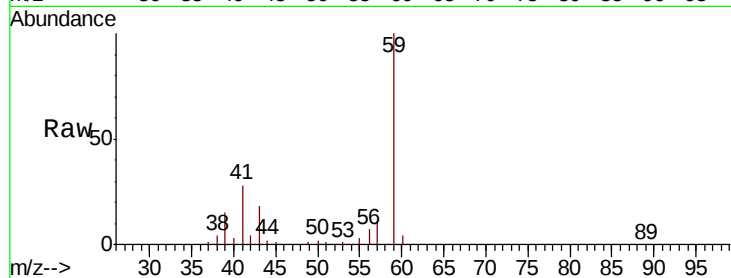


#11

Tert butyl alcohol
 Concen: 255.025 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

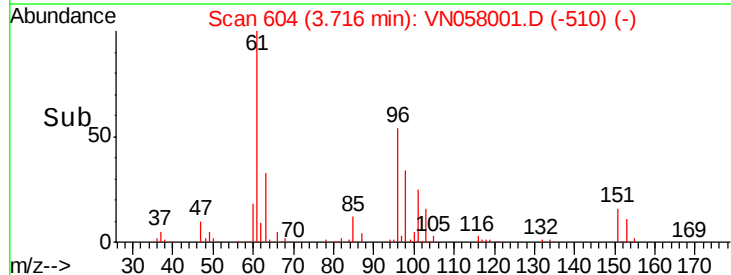
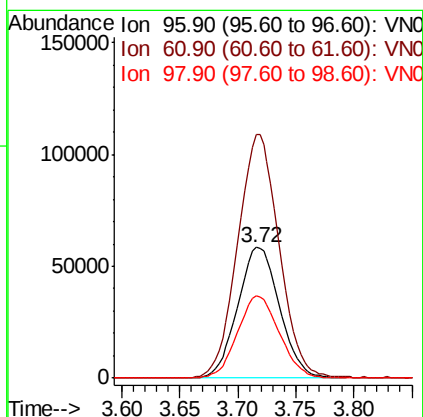
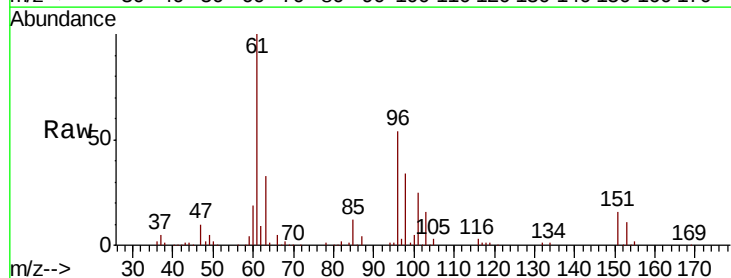
Tgt Ion: 59 Resp: 191016
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

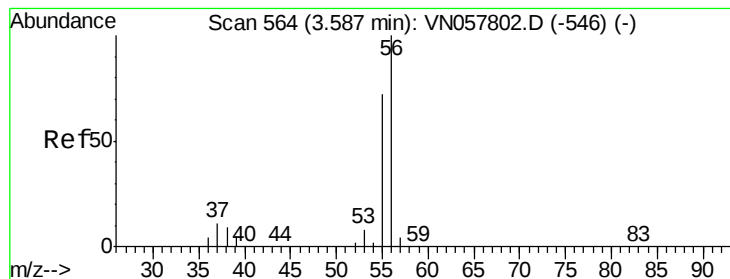


#12

1,1-Dichloroethene
 Concen: 45.283 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion: 96 Resp: 147327
 Ion Ratio Lower Upper
 96 100
 61 185.8 141.2 211.8
 98 63.0 49.9 74.9





#13

Acrolein

Concen: 52.156 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

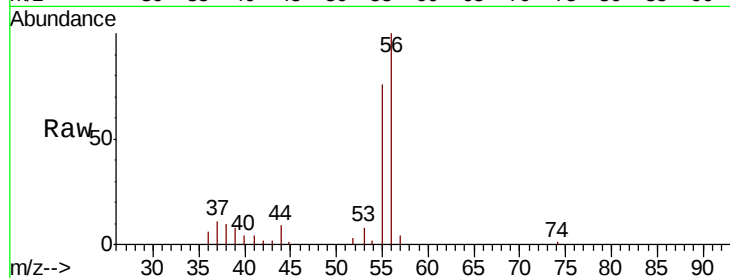
VSTDCCC050EC

Tgt Ion: 56 Resp: 33143

Ion Ratio Lower Upper

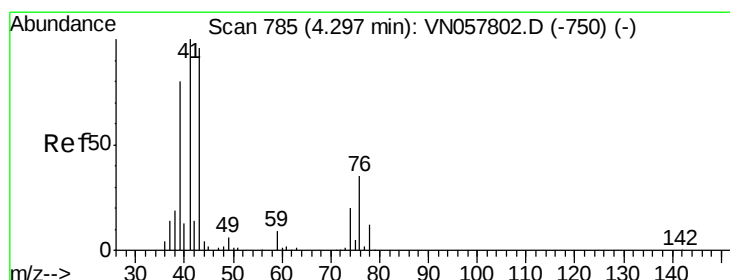
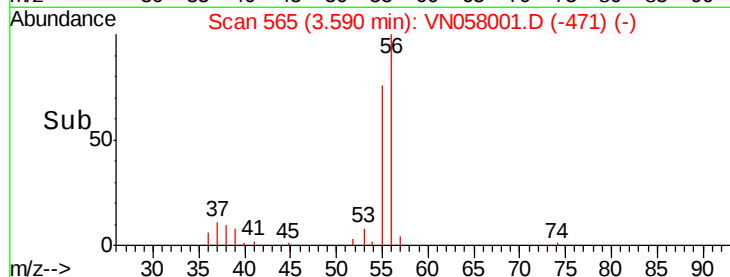
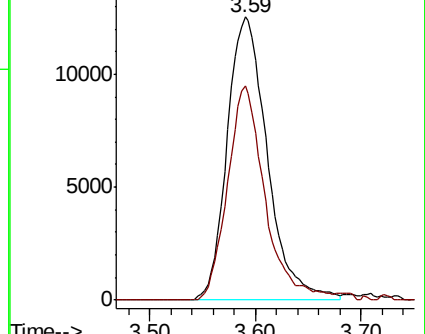
56 100

55 70.5 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 40.585 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

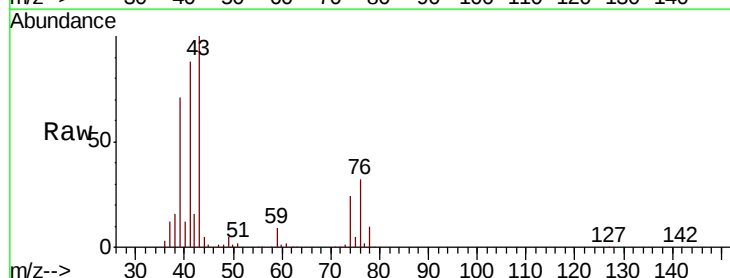
Tgt Ion: 41 Resp: 258405

Ion Ratio Lower Upper

41 100

39 83.4 59.4 89.2

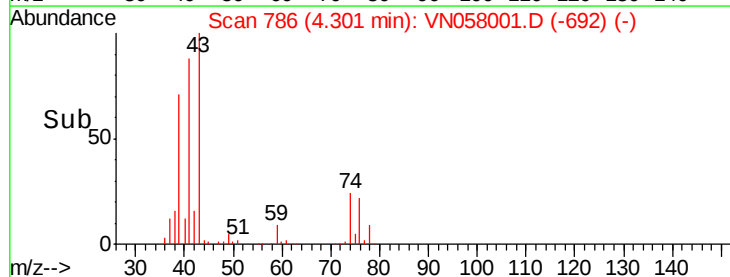
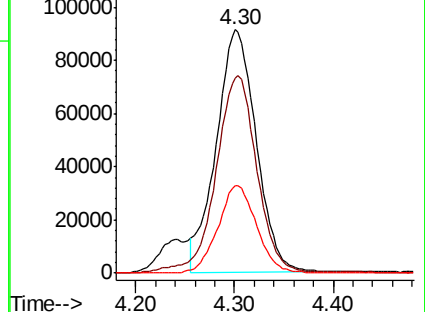
76 34.9 26.0 39.0

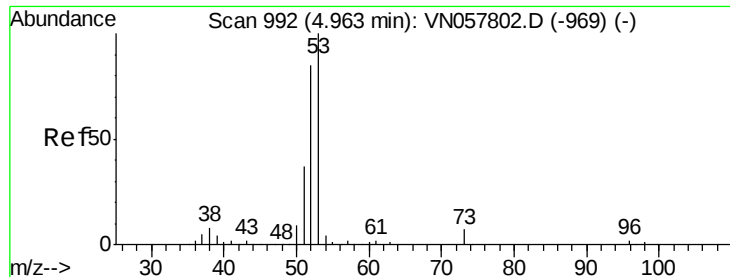


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 262.701 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

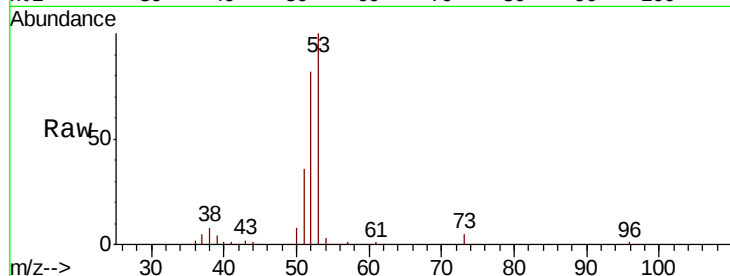
Tgt Ion: 53 Resp: 540829

Ion Ratio Lower Upper

53 100

52 83.6 66.6 100.0

51 37.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN057802.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VN057802.D (-969) (-)

4.96

200000

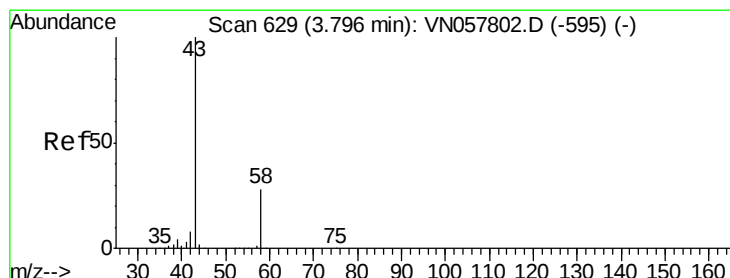
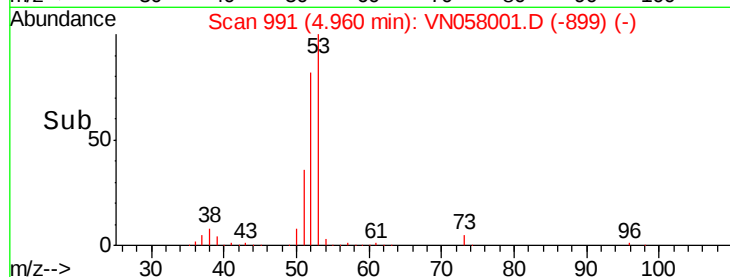
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 226.236 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058001.D

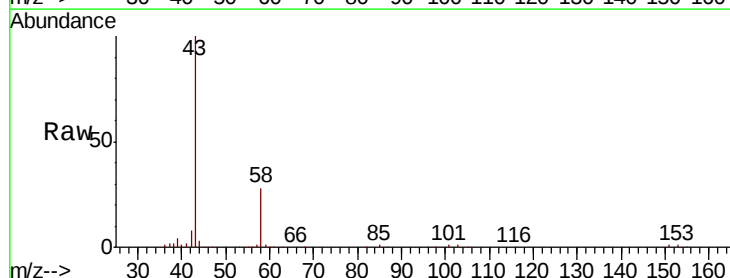
Acq: 13 Sep 2019 3:27

Tgt Ion: 43 Resp: 458969

Ion Ratio Lower Upper

43 100

58 28.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)

3.79

200000

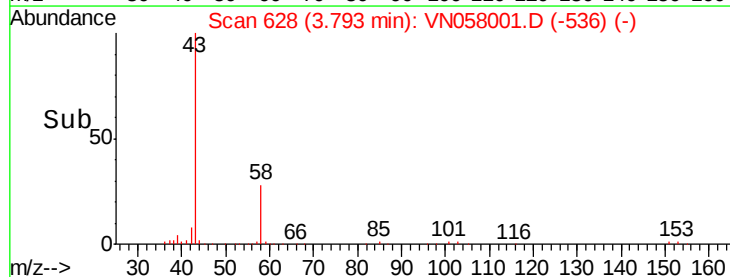
150000

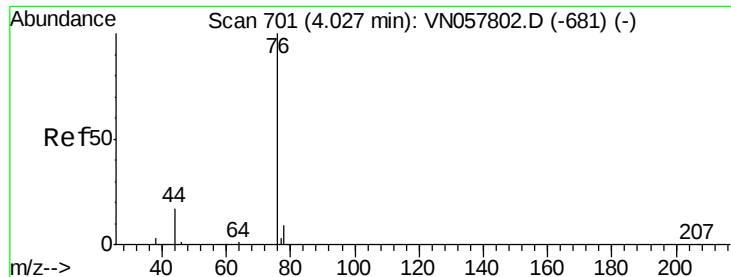
100000

50000

0

Time--> 3.70 3.80 3.90

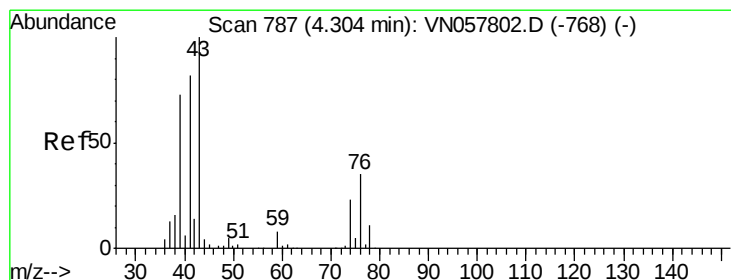
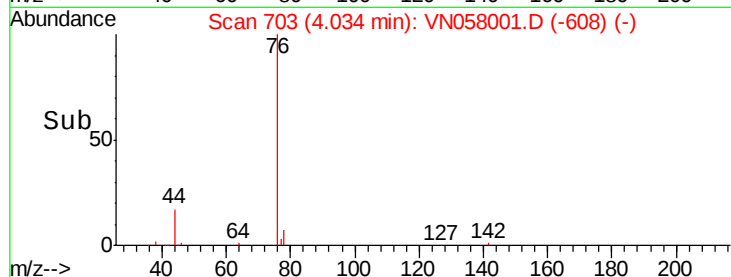
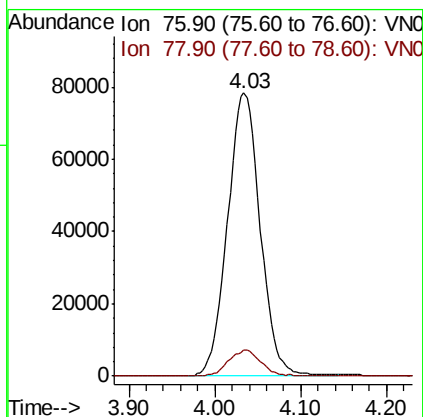
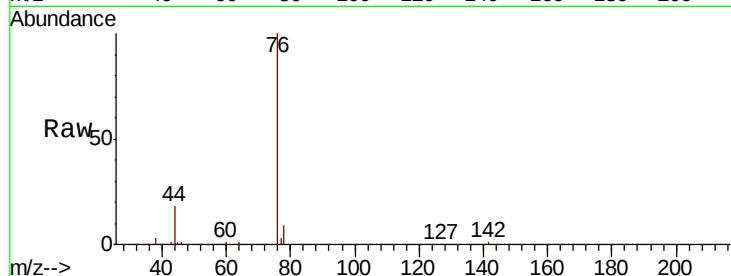




#17
Carbon Disulfide
Concen: 40.949 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

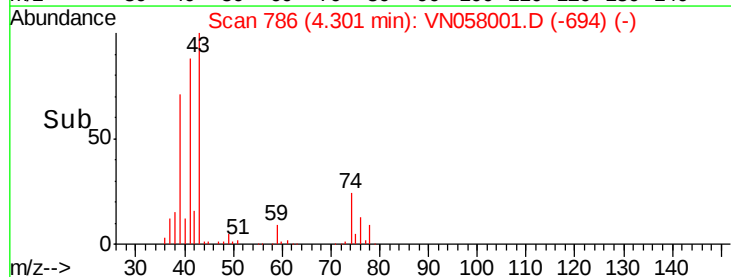
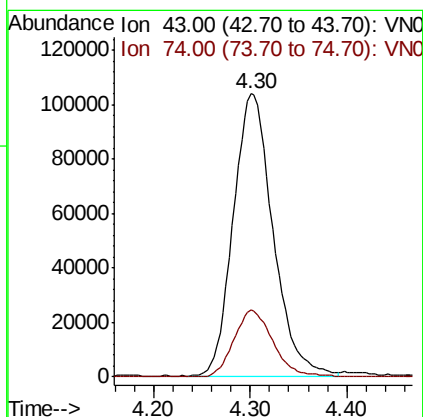
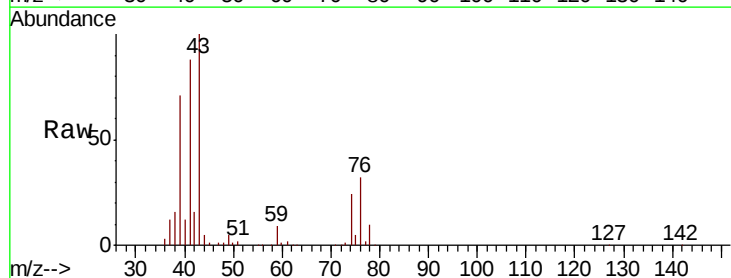
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

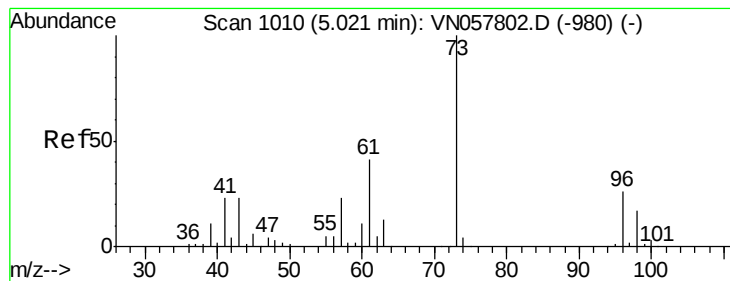
Tgt Ion: 76 Resp: 207206
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 54.692 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 43 Resp: 295836
Ion Ratio Lower Upper
43 100
74 23.4 17.9 26.9





#19

Methyl tert-butyl Ether

Concen: 51.248 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

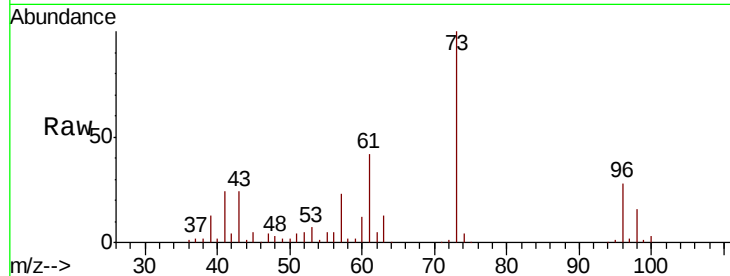
VSTDCCC050EC

Tgt Ion: 73 Resp: 693893

Ion Ratio Lower Upper

73 100

57 23.0 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN057802.D (-980) (-)

Ion 57.00 (56.70 to 57.70): VN057802.D (-980) (-)

5.02

200000

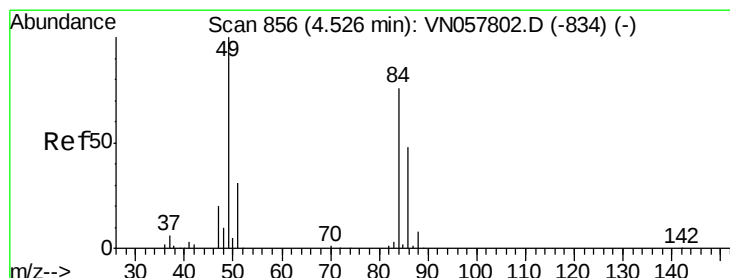
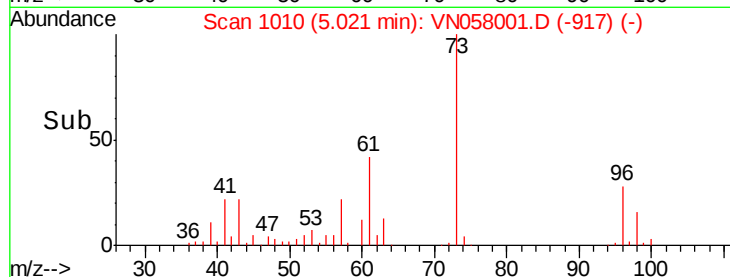
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 53.089 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion: 84 Resp: 204743

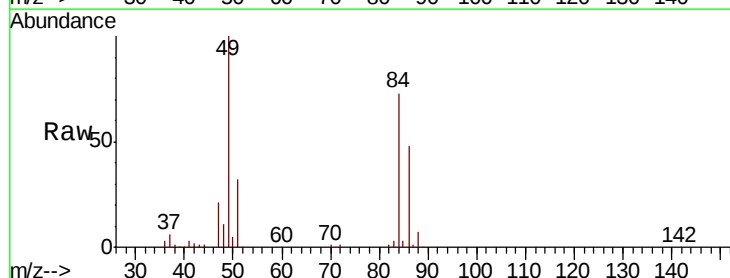
Ion Ratio Lower Upper

84 100

49 137.6 104.8 157.2

51 43.5 33.0 49.4

86 65.7 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN057802.D (-834) (-)

Ion 48.90 (48.60 to 49.60): VN057802.D (-834) (-)

Ion 50.90 (50.60 to 51.60): VN057802.D (-834) (-)

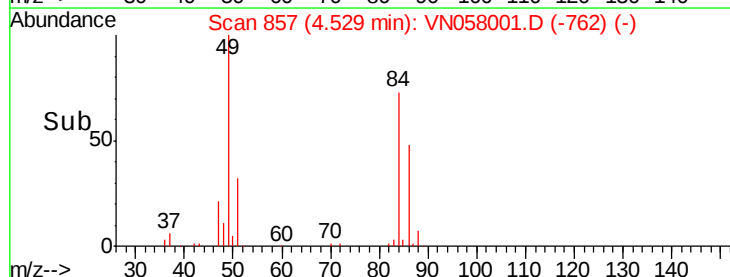
Ion 85.90 (85.60 to 86.60): VN057802.D (-834) (-)

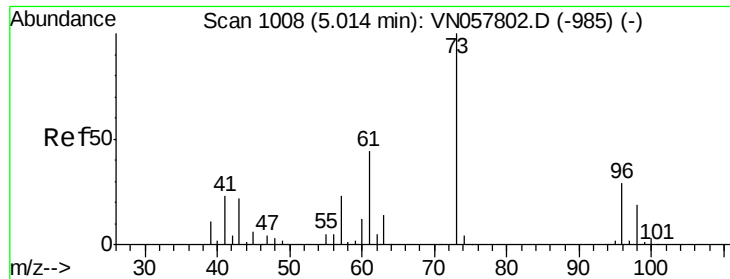
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.988 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

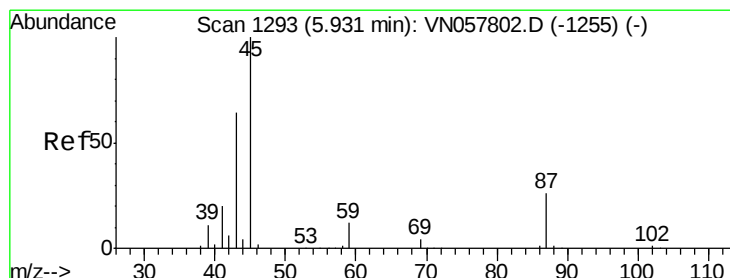
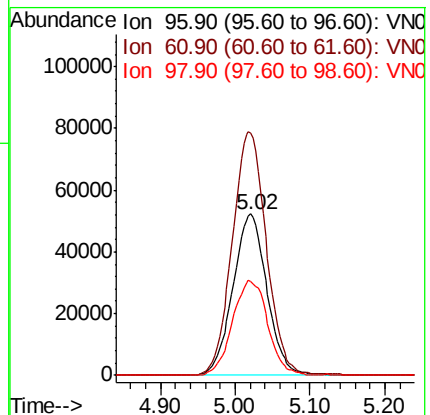
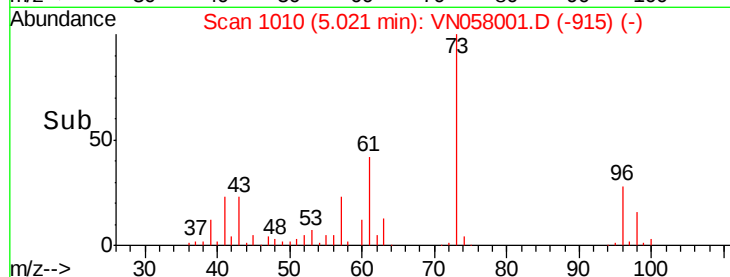
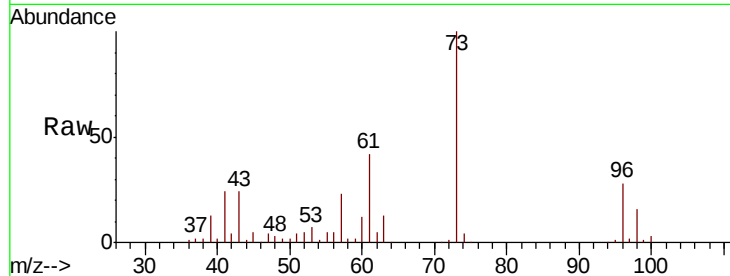
Tgt Ion: 96 Resp: 165259

Ion Ratio Lower Upper

96 100

61 150.2 121.9 182.9

98 58.5 52.2 78.4



#22

Diisopropyl ether

Concen: 51.258 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion: 45 Resp: 765360

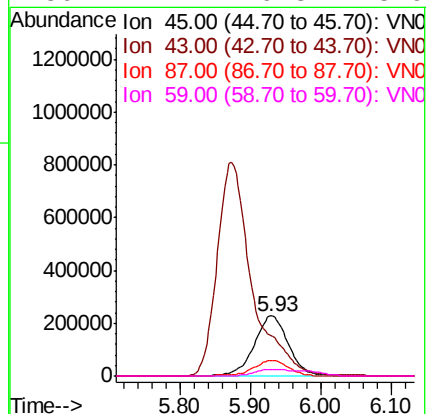
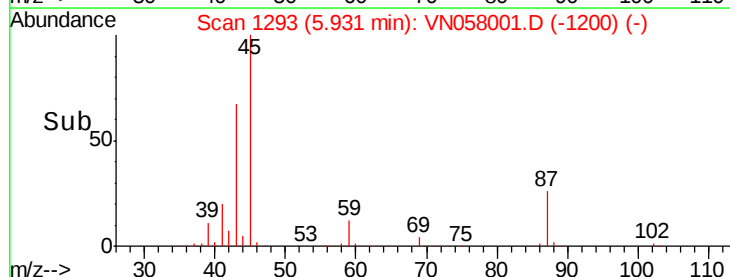
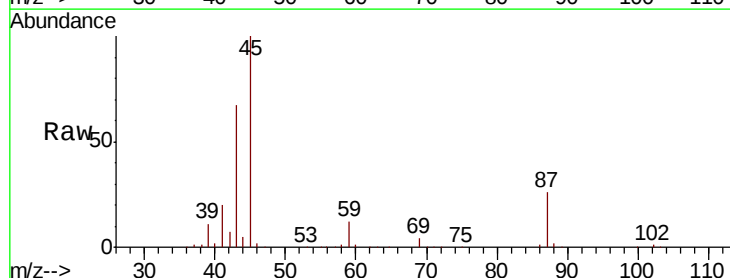
Ion Ratio Lower Upper

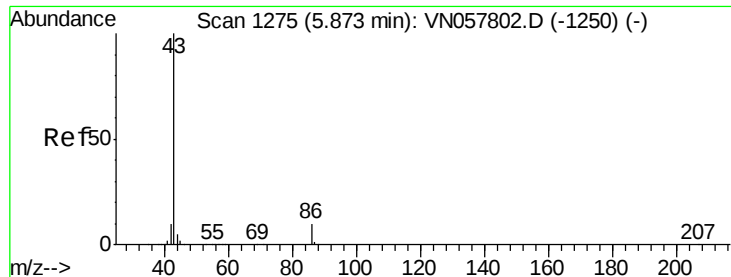
45 100

43 65.0 51.4 77.2

87 26.2 21.3 31.9

59 11.4 9.3 13.9





#23

Vinyl Acetate

Concen: 264.064 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

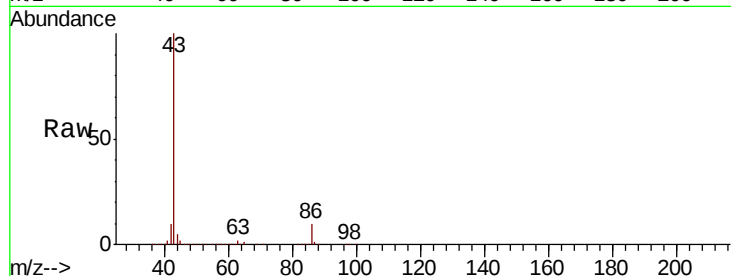
VSTDCCC050EC

Tgt Ion: 43 Resp: 2794313

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN057802.D (-1250) (-)

5.87

800000

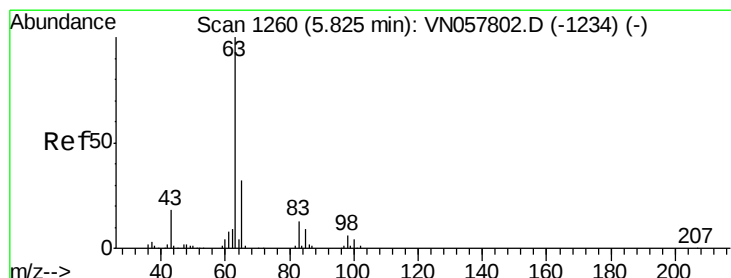
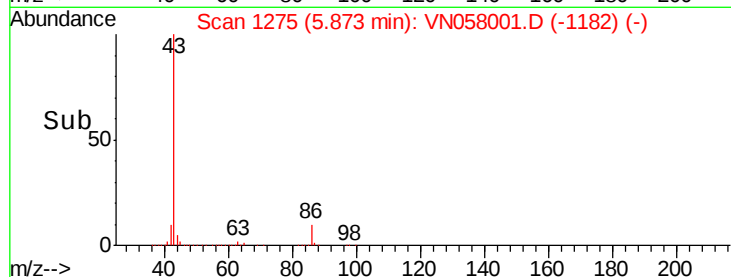
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.352 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

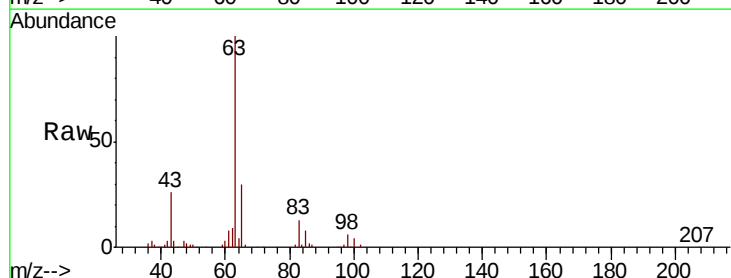
Tgt Ion: 63 Resp: 410895

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN057802.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN057802.D (-1234) (-)

5.83

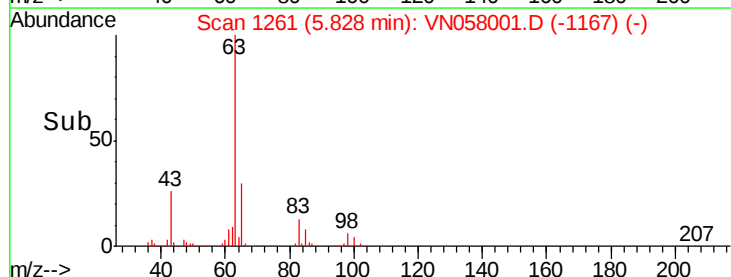
150000

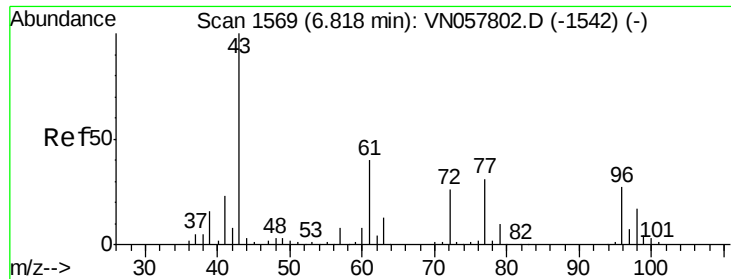
100000

50000

0

Time-->





#25

2-Butanone

Concen: 252.187 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

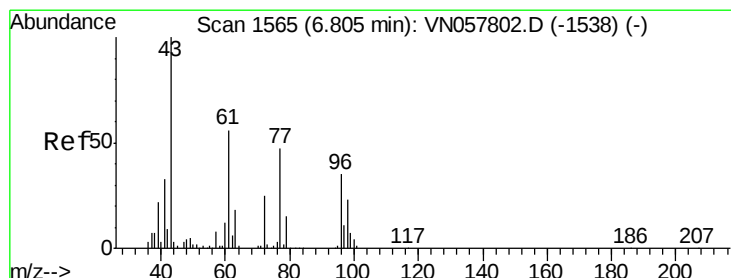
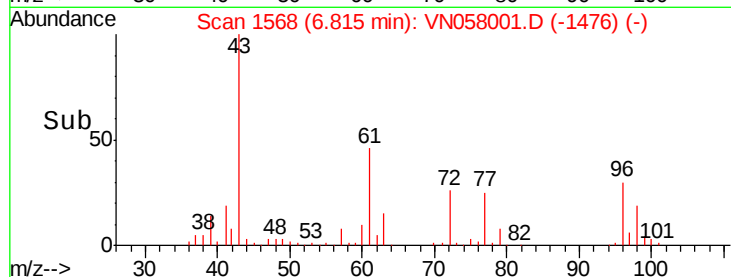
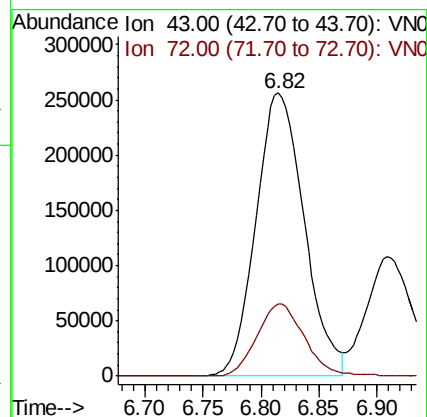
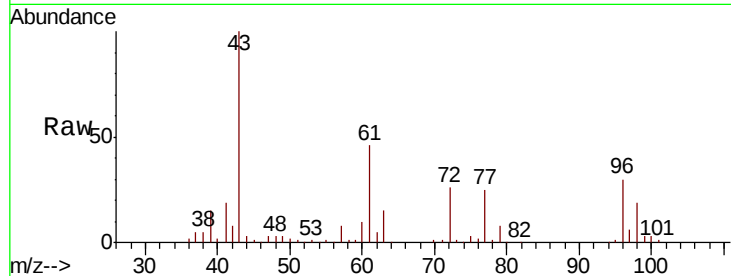
VSTDCCC050EC

Tgt Ion: 43 Resp: 740488

Ion Ratio Lower Upper

43 100

72 25.6 20.6 30.8



#26

2,2-Dichloropropane

Concen: 33.737 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058001.D

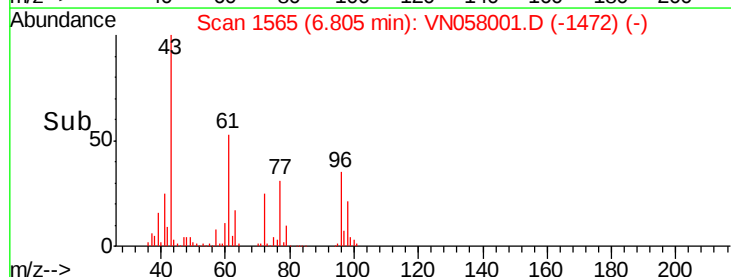
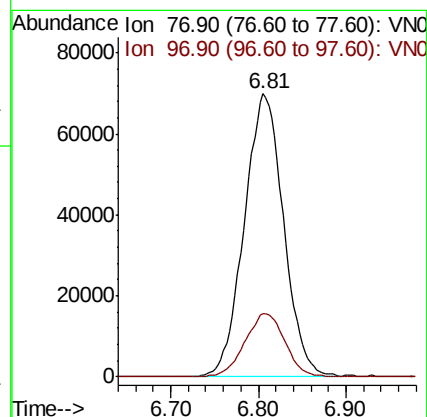
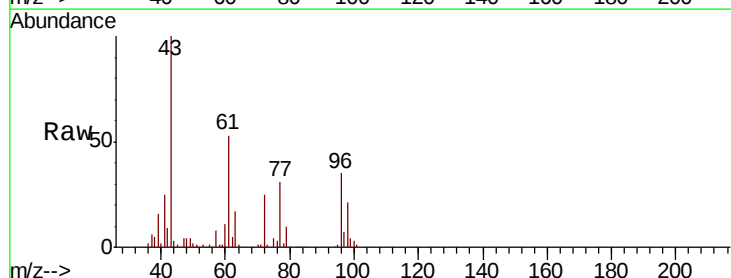
Acq: 13 Sep 2019 3:27

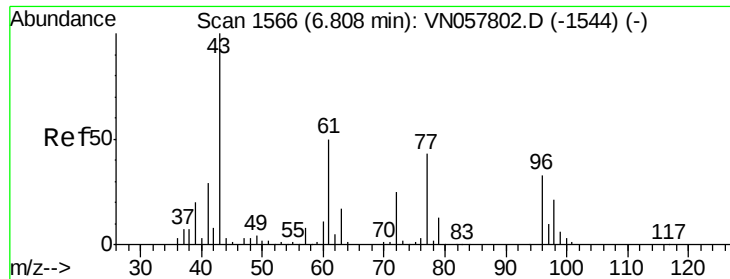
Tgt Ion: 77 Resp: 217872

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.962 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

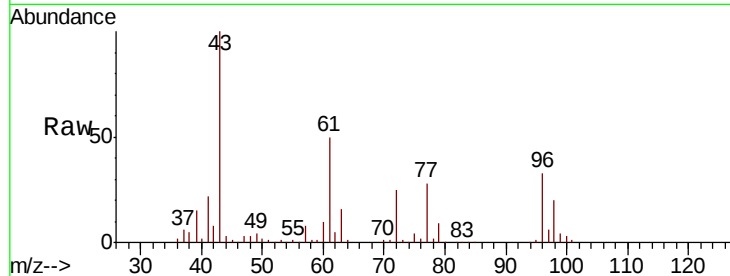
Tgt Ion: 96 Resp: 230771

Ion Ratio Lower Upper

96 100

61 153.7 0.0 314.0

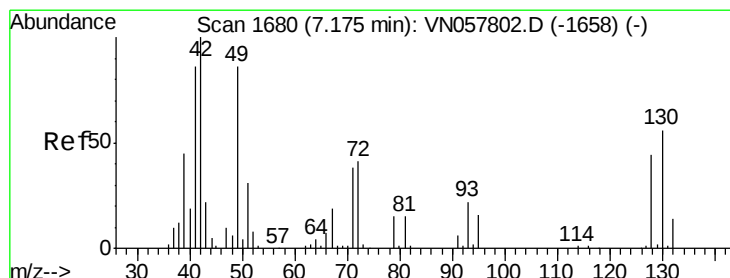
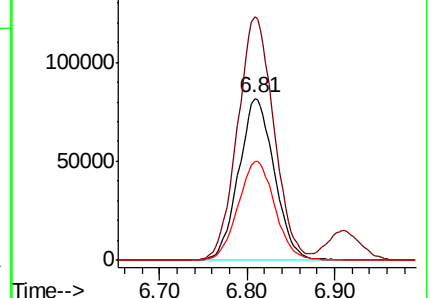
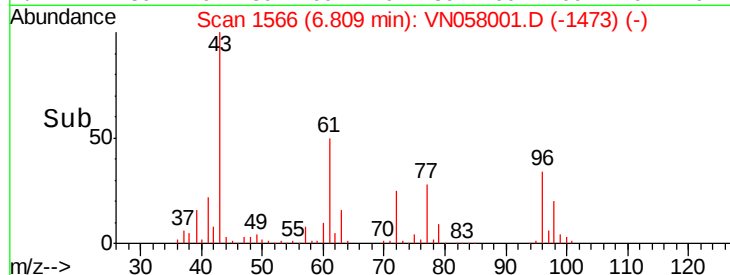
98 63.3 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.927 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

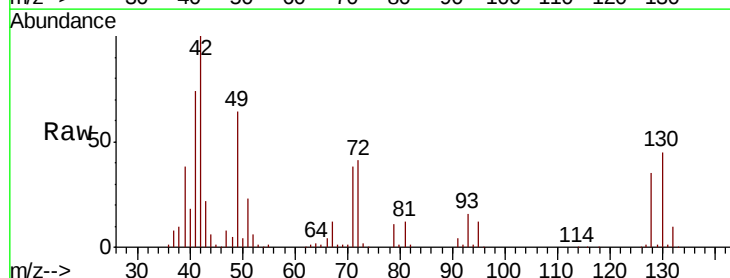
Tgt Ion: 49 Resp: 211699

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

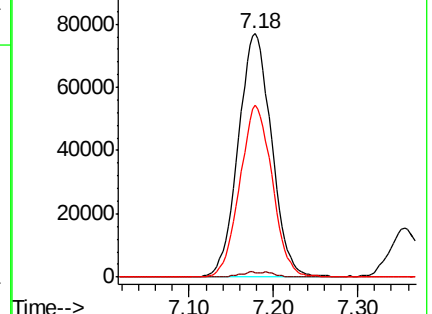
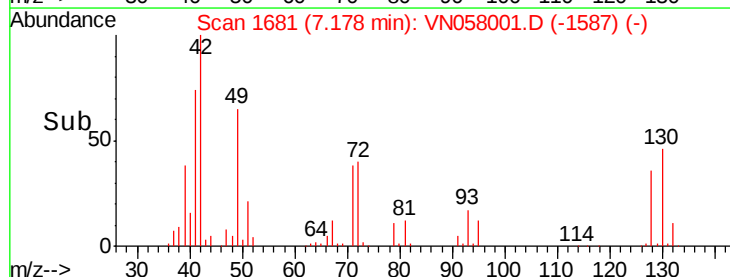
130 68.7 53.0 79.6

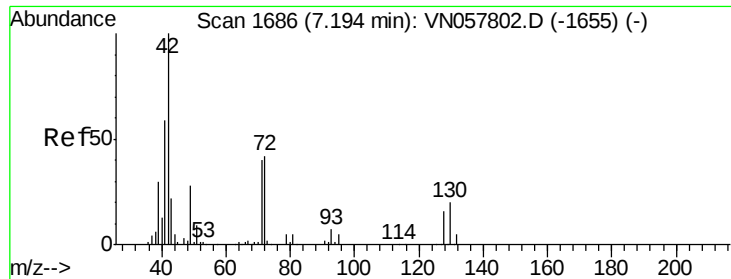


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

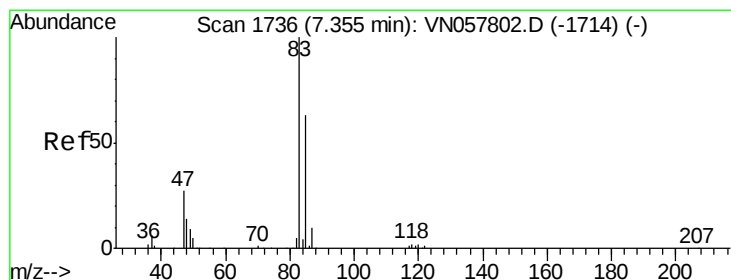
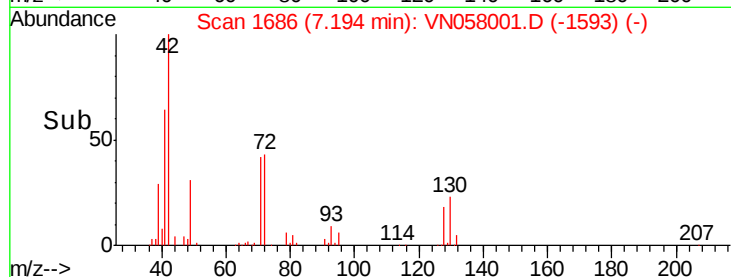
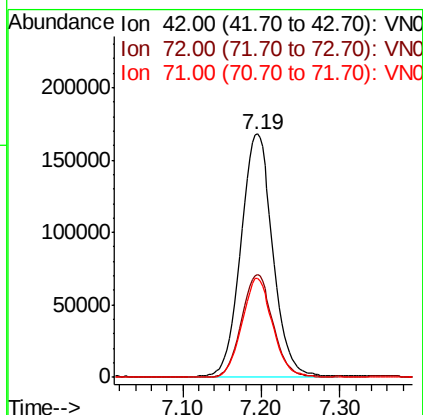
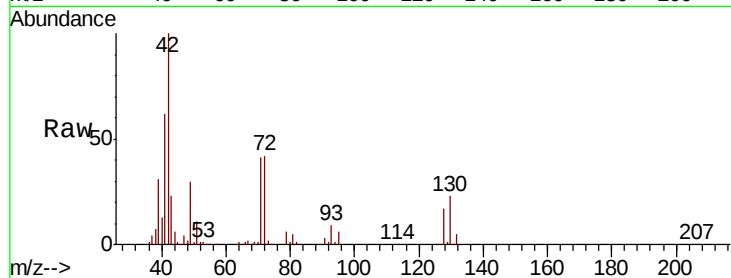




#29
Tetrahydrofuran
Concen: 265.038 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

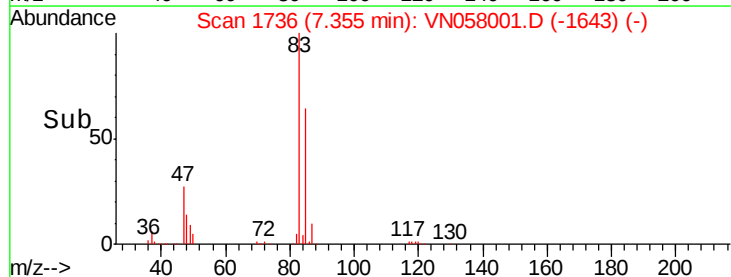
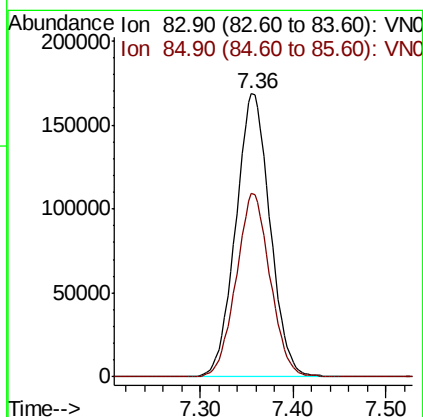
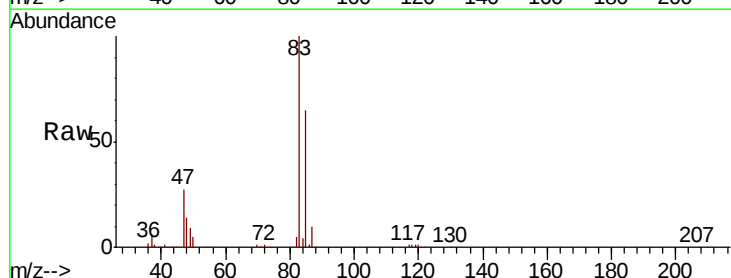
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

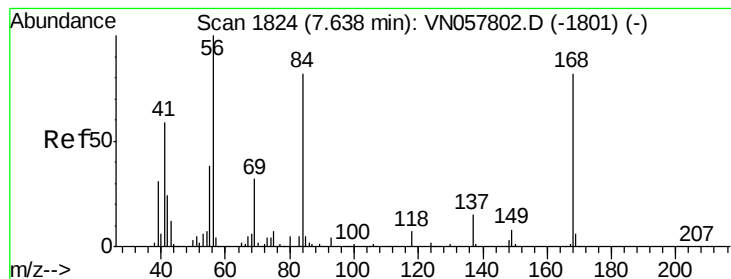
Tgt Ion: 42 Resp: 479543
Ion Ratio Lower Upper
42 100
72 41.6 33.7 50.5
71 39.2 31.9 47.9



#30
Chloroform
Concen: 50.734 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 83 Resp: 432882
Ion Ratio Lower Upper
83 100
85 64.6 50.6 75.8





#31

Cyclohexane

Concen: 50.556 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

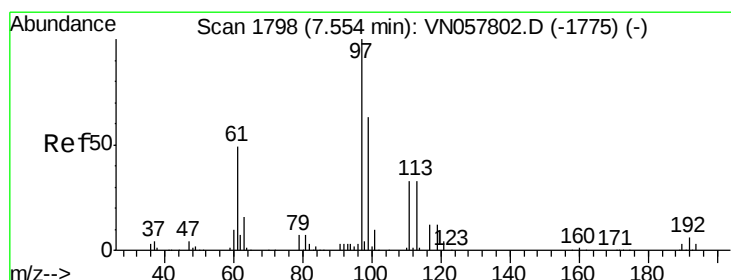
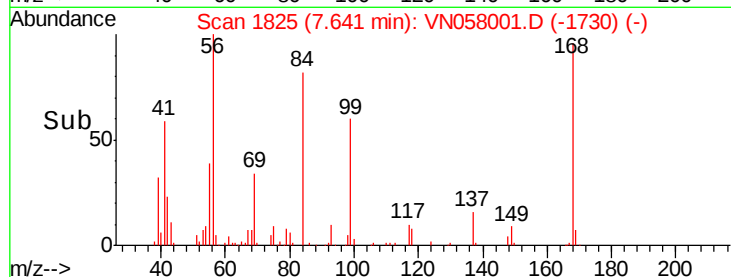
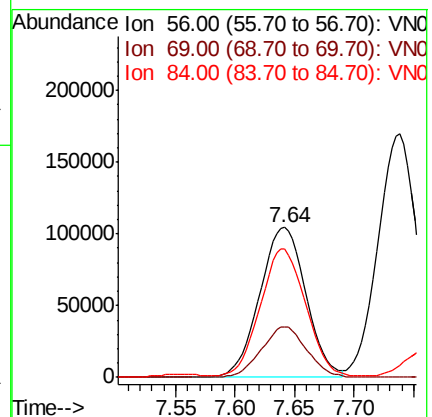
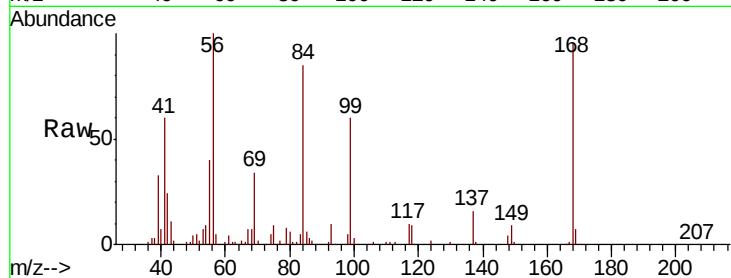
Tgt Ion: 56 Resp: 281005

Ion Ratio Lower Upper

56 100

69 33.9 25.9 38.9

84 83.4 65.6 98.4



#32

1,1,1-Trichloroethane

Concen: 50.499 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

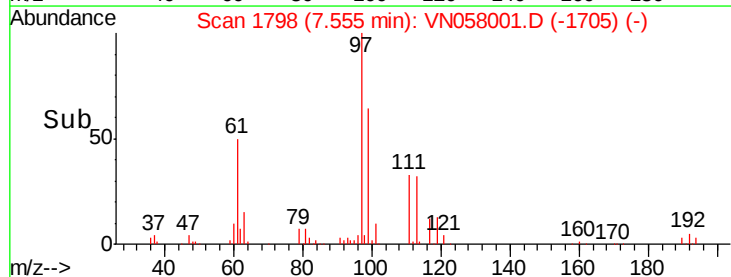
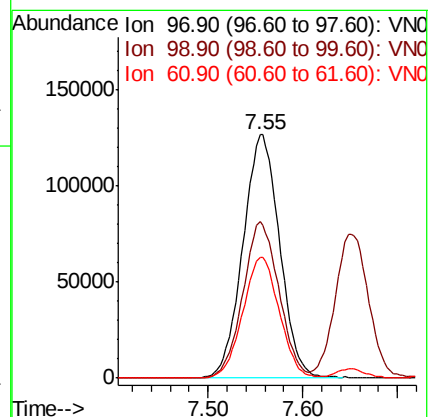
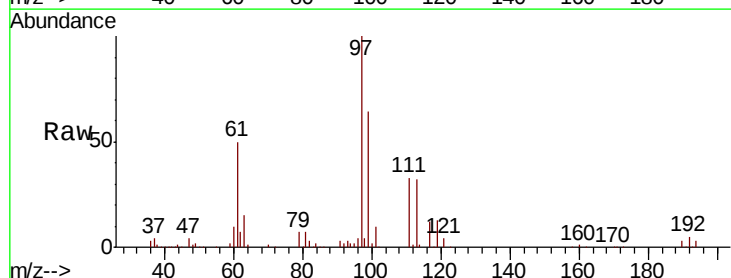
Tgt Ion: 97 Resp: 341731

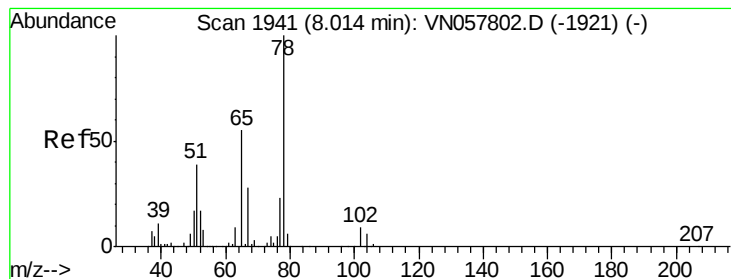
Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.4

61 49.5 39.0 58.6





#33

1,2-Dichloroethane-d4

Concen: 53.886 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

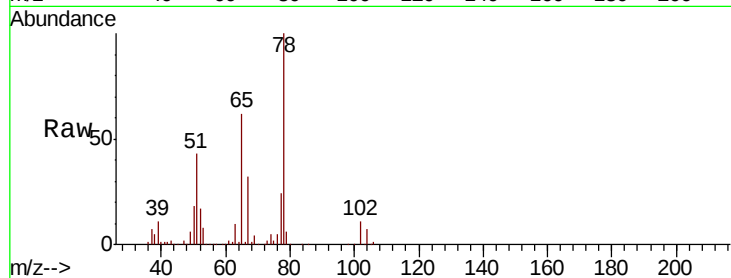
VSTDCCC050EC

Tgt Ion: 65 Resp: 333475

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN057802.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN057802.D (-1921) (-)

8.01

150000

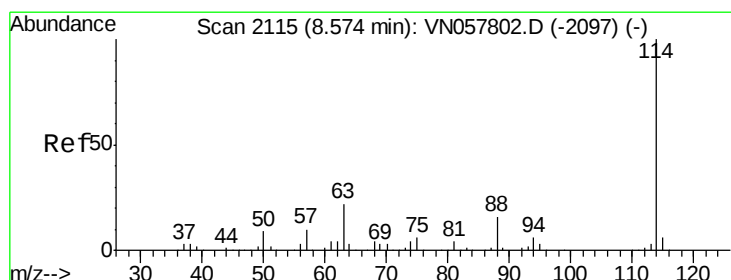
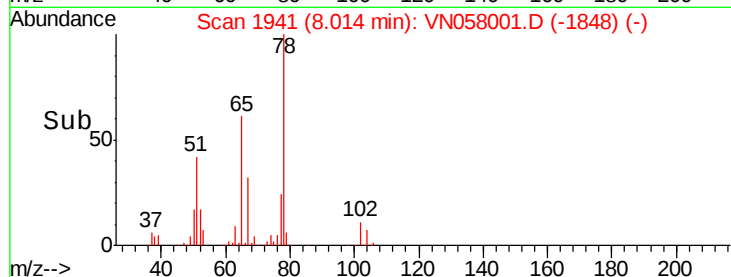
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

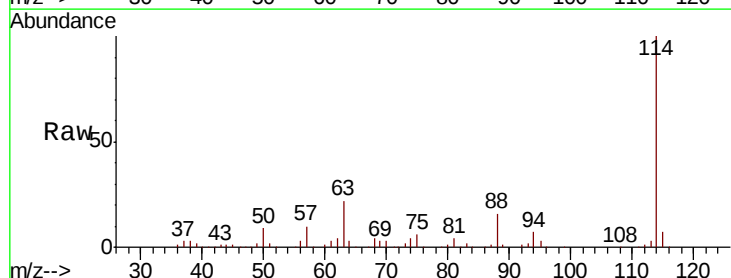
Tgt Ion: 114 Resp: 506606

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057802.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057802.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057802.D (-2097) (-)

8.58

300000

250000

200000

150000

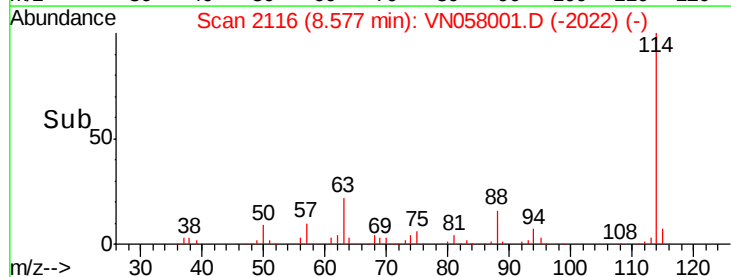
100000

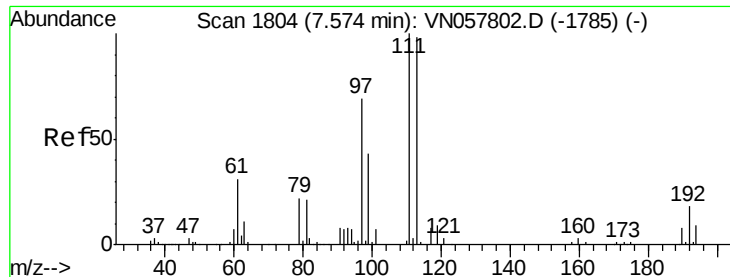
50000

0

8.50 8.55 8.60 8.65

Time-->

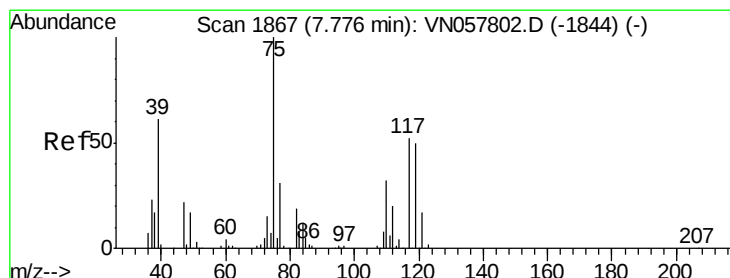
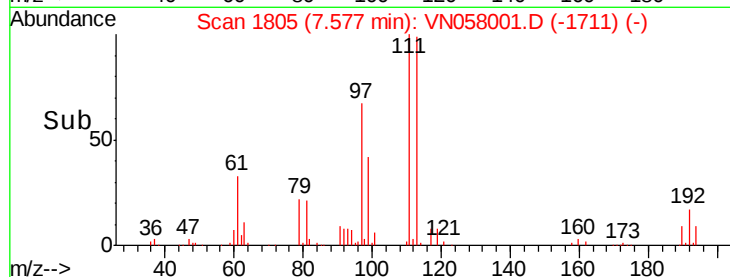
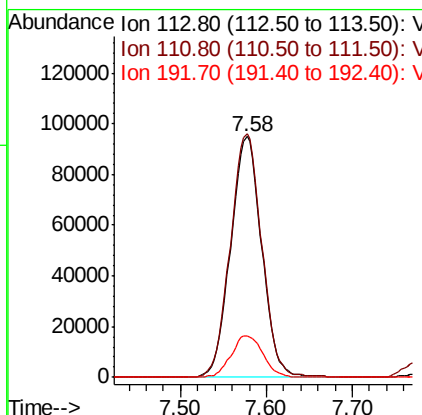
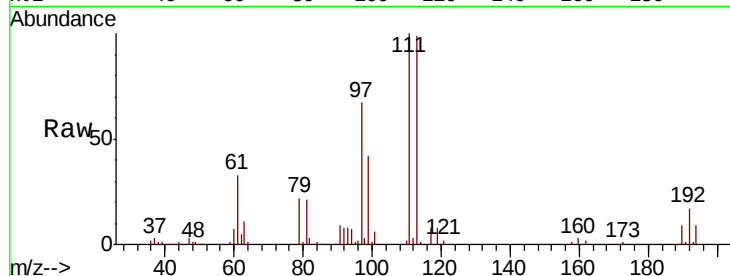




#35
 Dibromofluoromethane
 Concen: 50.866 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

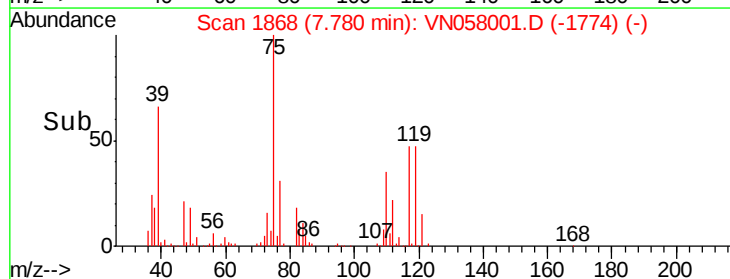
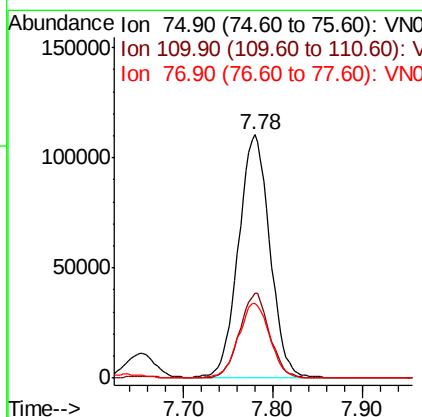
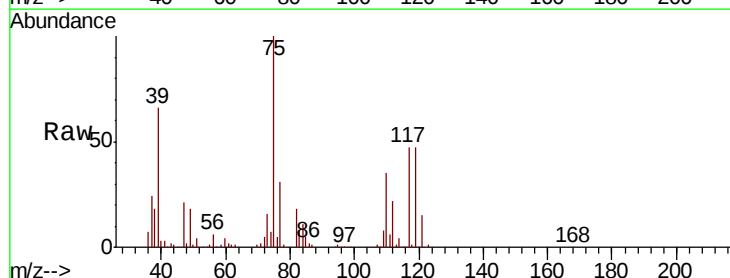
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

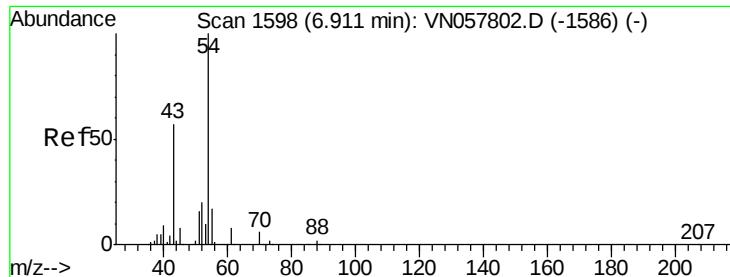
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.3	121.9
192	17.6	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 45.801 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.3	48.9
77	31.0	25.0	37.4

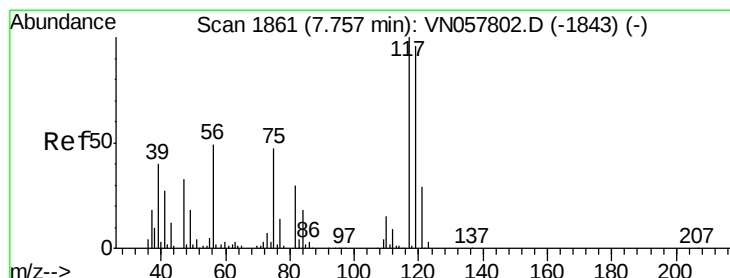
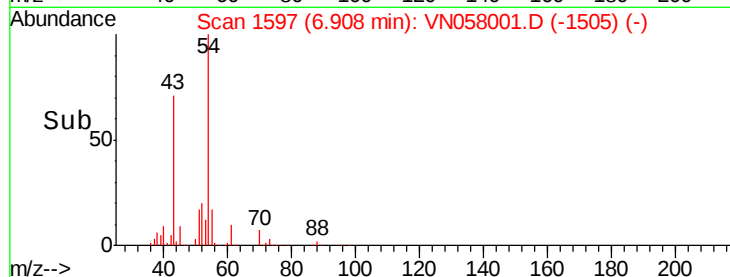
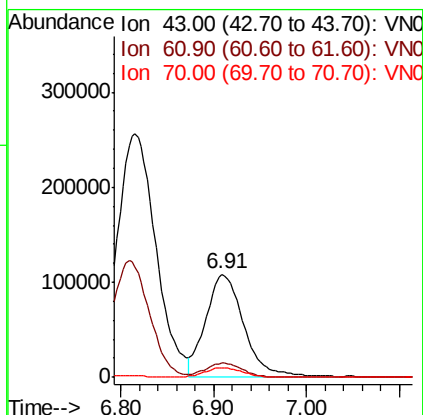
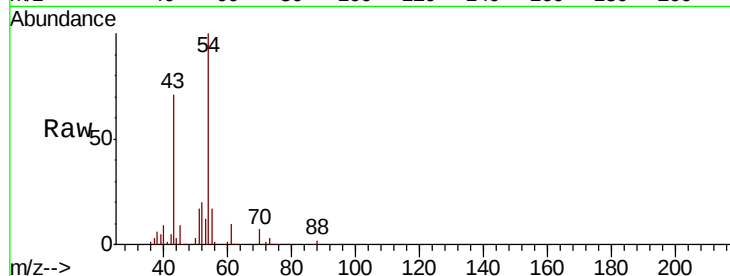




#37
Ethyl Acetate
Concen: 50.138 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

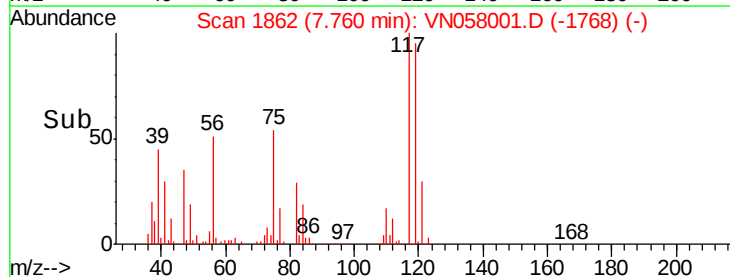
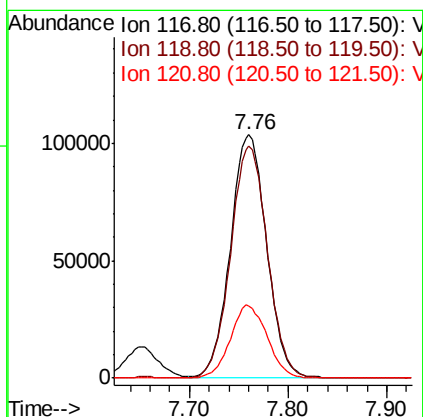
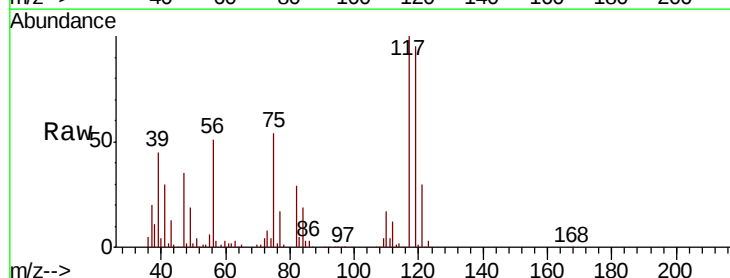
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

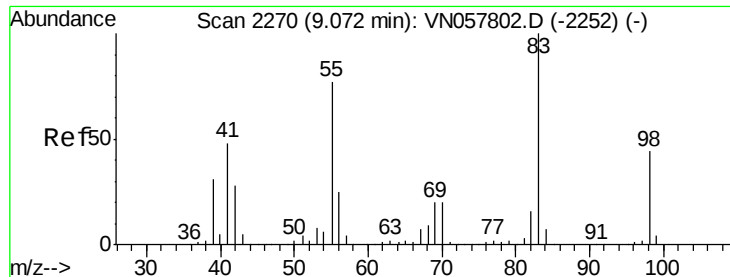
Tgt Ion: 43 Resp: 304350
Ion Ratio Lower Upper
43 100
61 12.9 10.5 15.7
70 9.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 49.474 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 117 Resp: 265382
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3
121 29.7 23.4 35.2

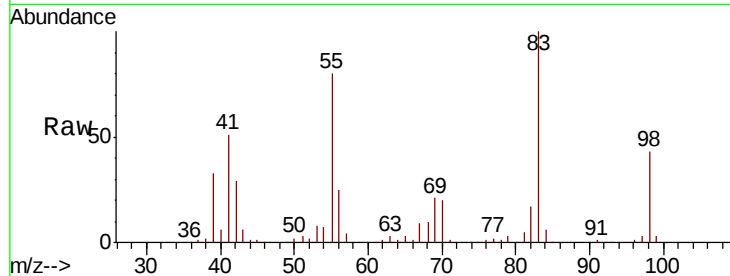




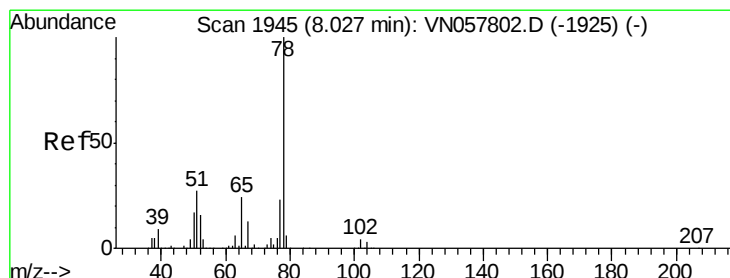
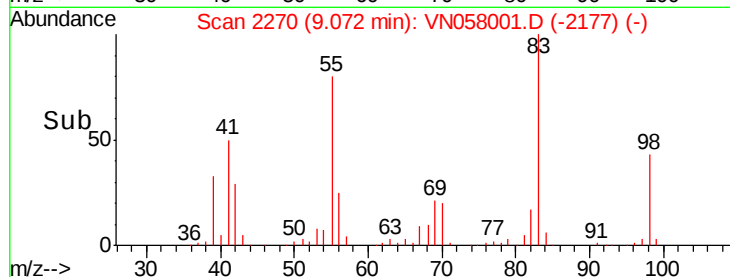
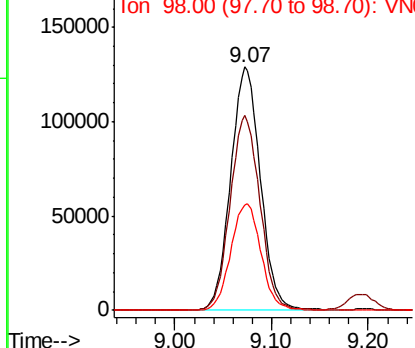
#39
Methylcyclohexane
Concen: 44.624 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 275608
Ion Ratio Lower Upper
83 100
55 79.9 61.6 92.4
98 43.3 34.9 52.3

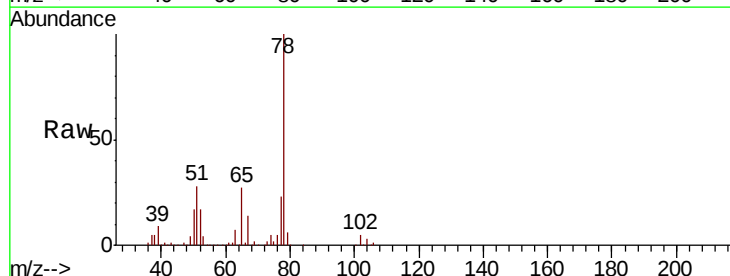


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

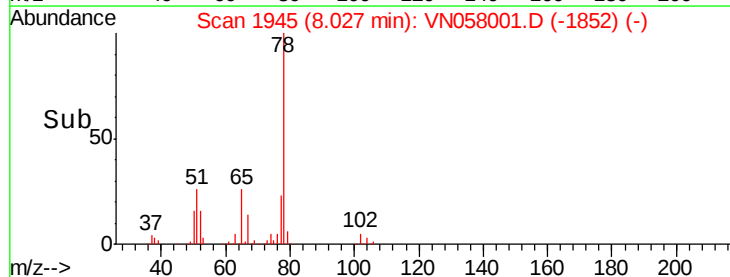
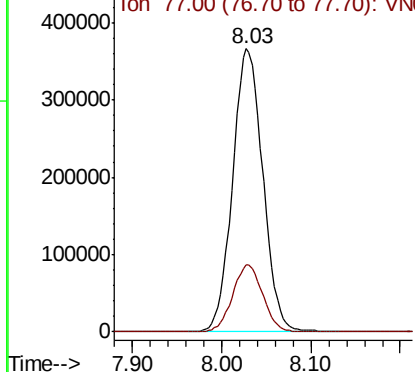


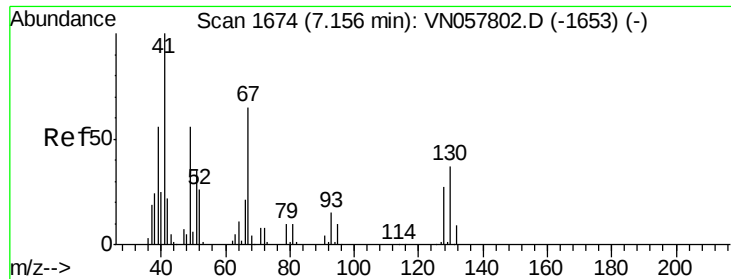
#40
Benzene
Concen: 48.687 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 78 Resp: 861202
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5



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

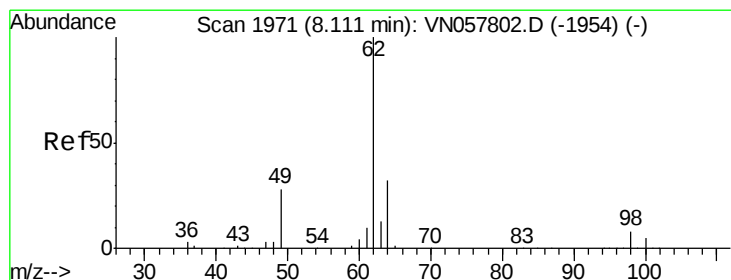
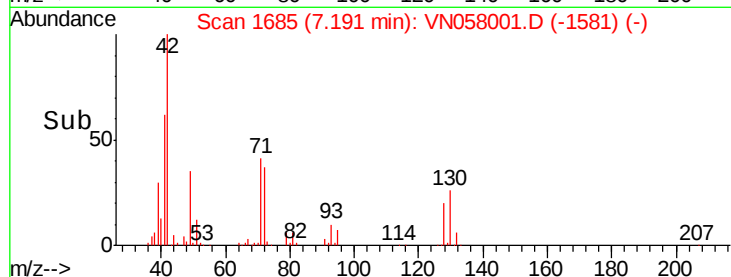
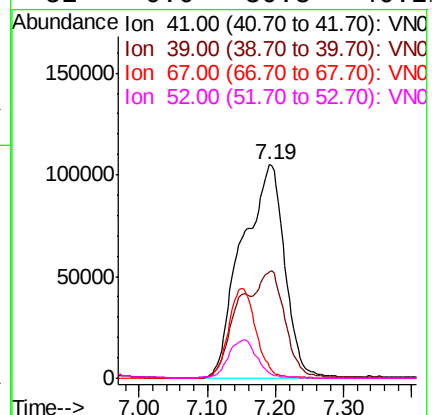
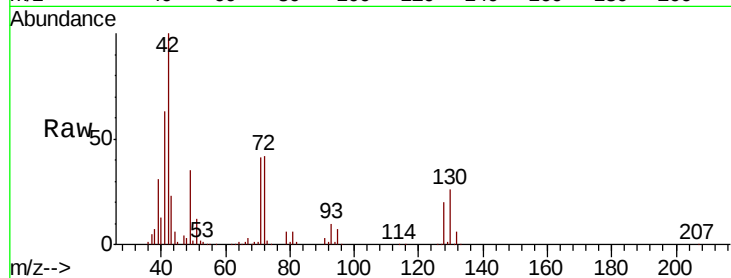




#41
Methacrylonitrile
Concen: 165.899 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

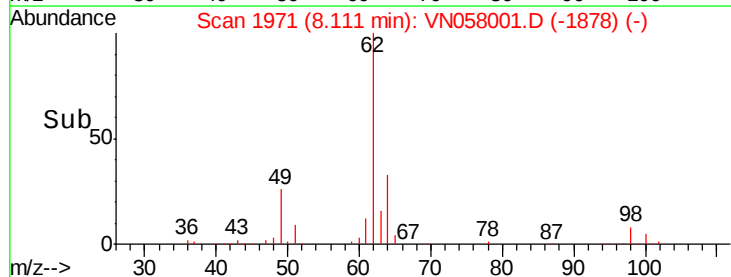
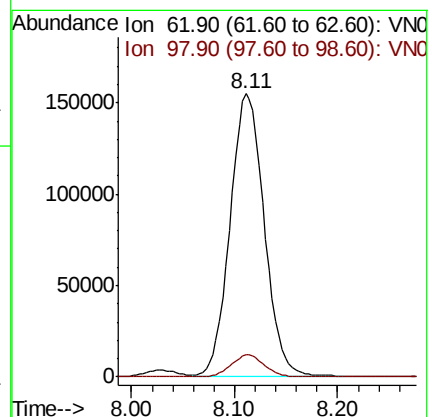
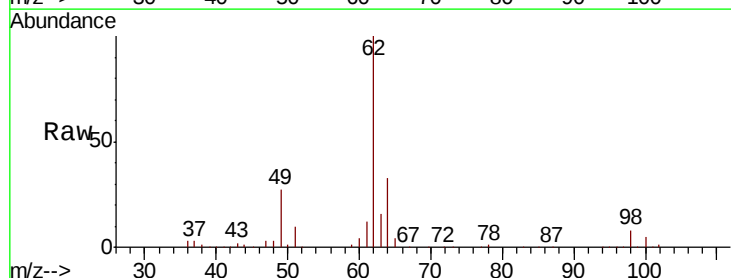
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

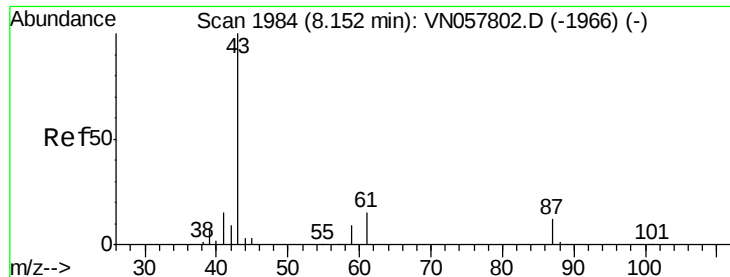
Tgt Ion: 41 Resp: 457133
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 50.402 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 62 Resp: 356553
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.8





#43

Isopropyl Acetate

Concen: 54.550 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

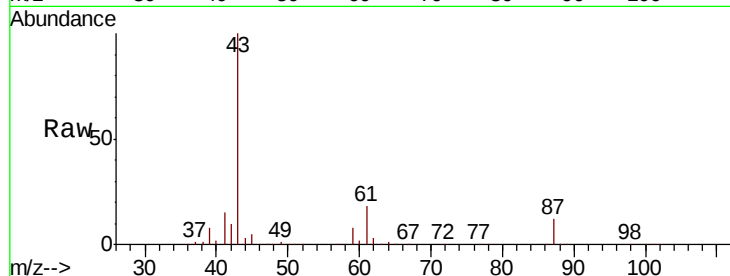
Tgt Ion: 43 Resp: 556854

Ion Ratio Lower Upper

43 100

61 17.5 20.1 30.1#

87 11.4 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

8.15

300000

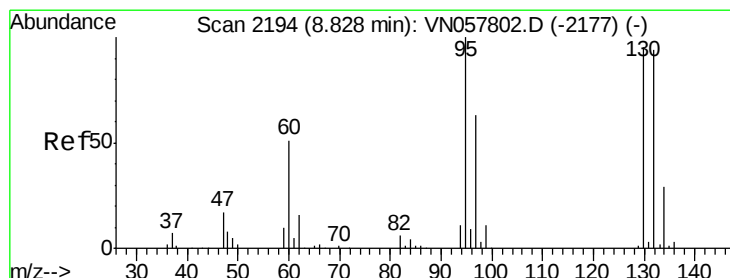
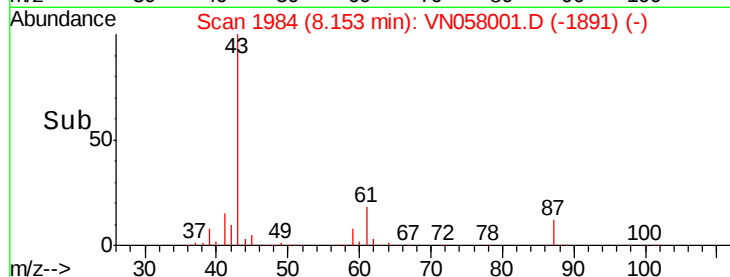
200000

100000

0

8.05 8.10 8.15 8.20

Time-->



#44

Trichloroethene

Concen: 47.446 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058001.D

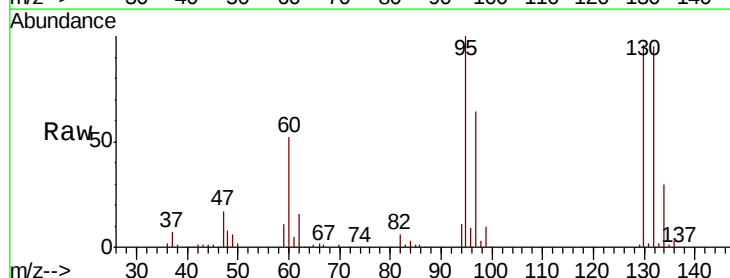
Acq: 13 Sep 2019 3:27

Tgt Ion: 130 Resp: 205845

Ion Ratio Lower Upper

130 100

95 103.8 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

120000

100000

80000

60000

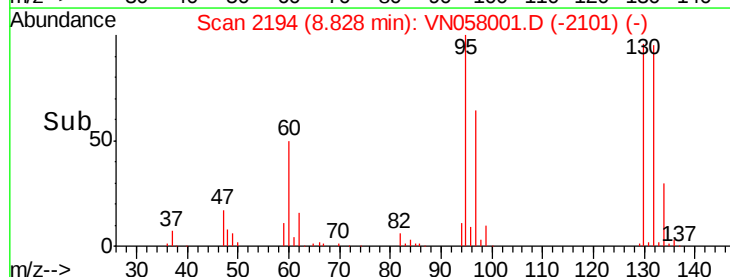
40000

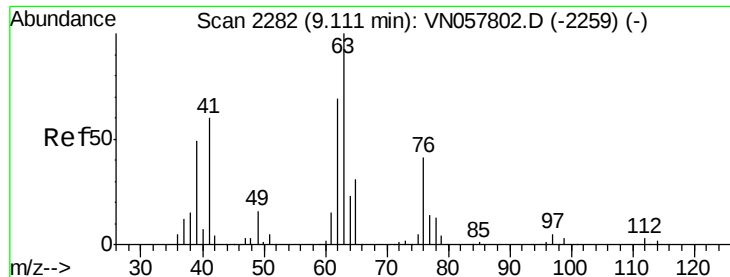
20000

0

8.75 8.80 8.85 8.90

Time-->

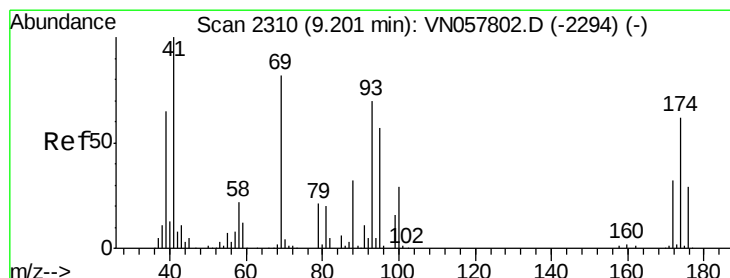
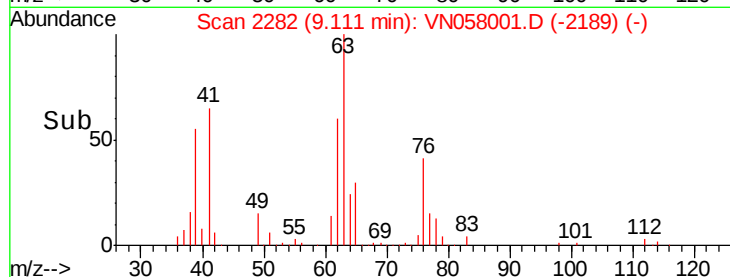
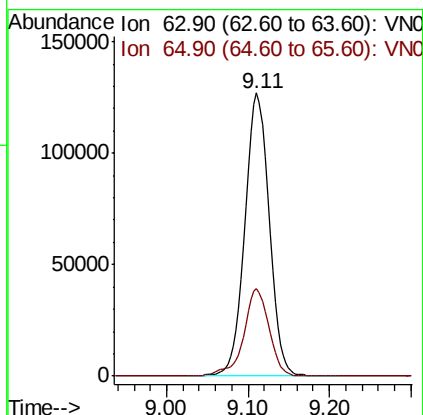
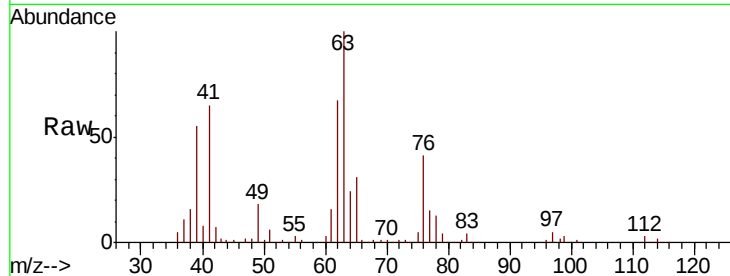




#45
 1,2-Dichloropropane
 Concen: 50.512 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

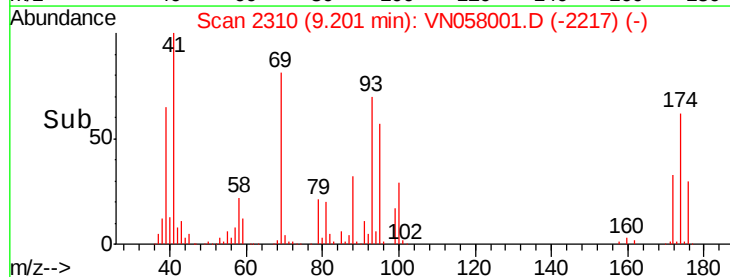
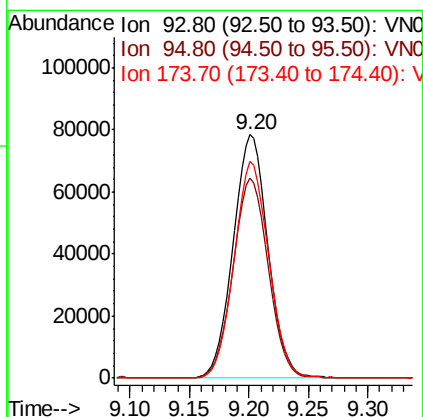
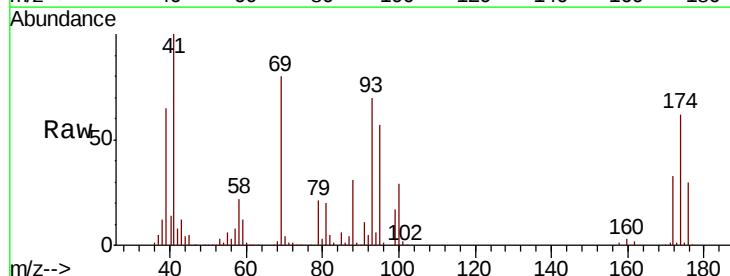
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

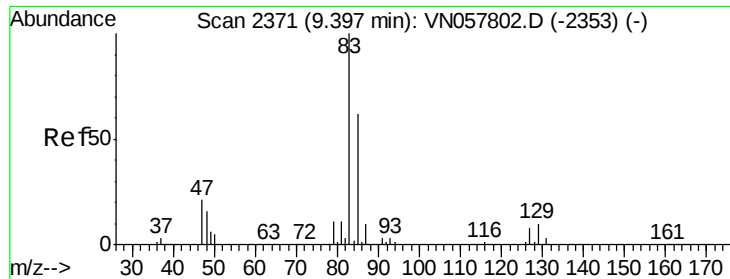
Tgt Ion: 63 Resp: 259986
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2



#46
 Dibromomethane
 Concen: 51.240 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion: 93 Resp: 159370
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.9 98.9
 174 88.6 71.8 107.6





#47

Bromodichloromethane

Concen: 52.275 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

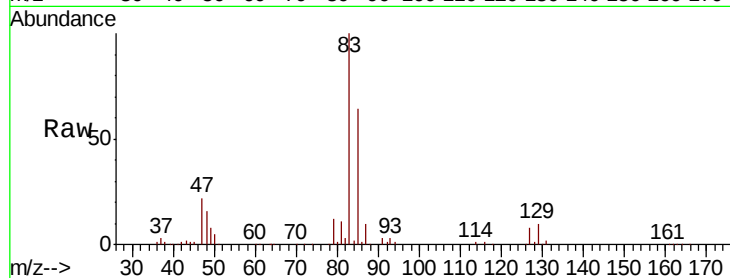
Tgt Ion: 83 Resp: 324674

Ion Ratio Lower Upper

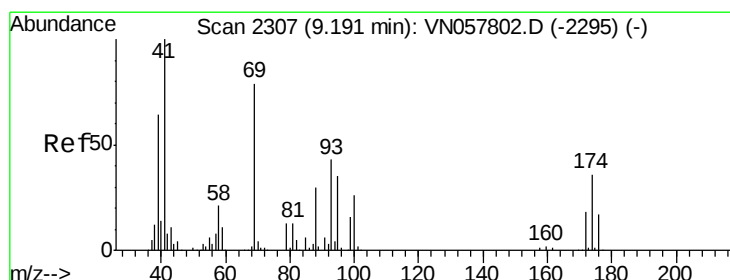
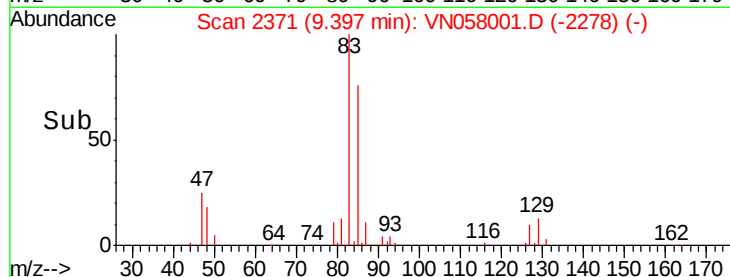
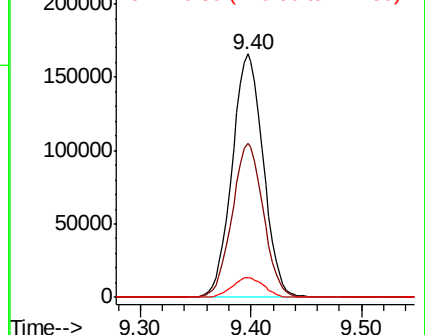
83 100

85 63.5 49.9 74.9

127 8.1 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: 50.276 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

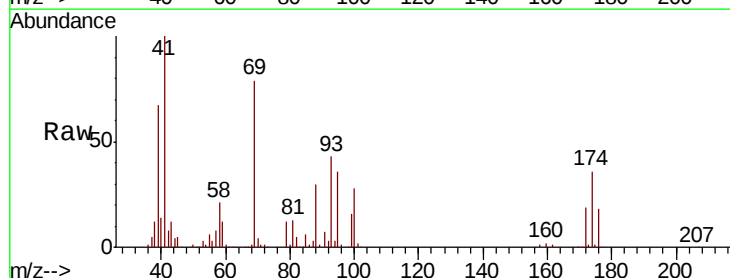
Tgt Ion: 41 Resp: 260345

Ion Ratio Lower Upper

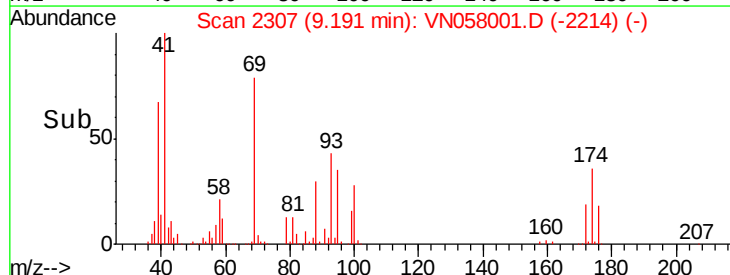
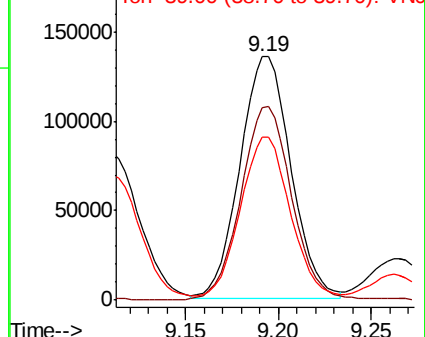
41 100

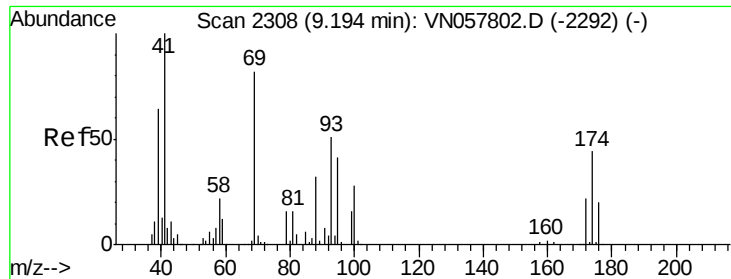
69 79.7 62.7 94.1

39 66.2 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

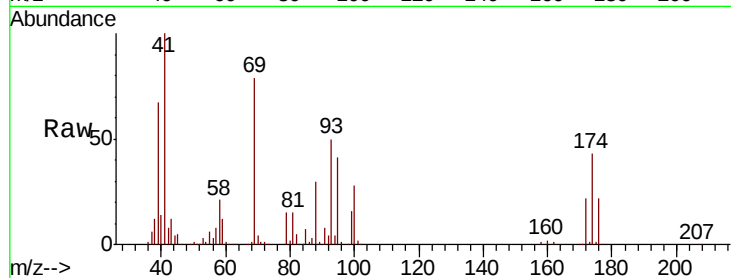




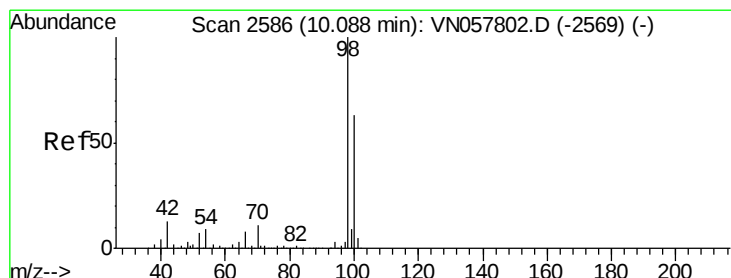
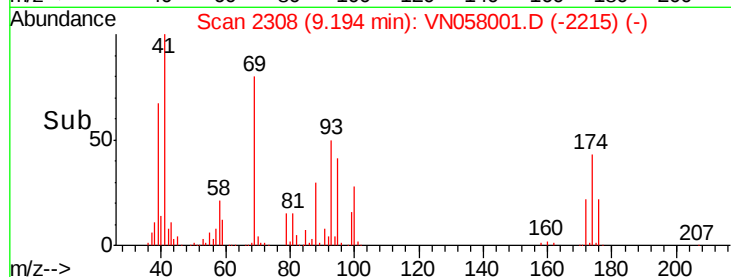
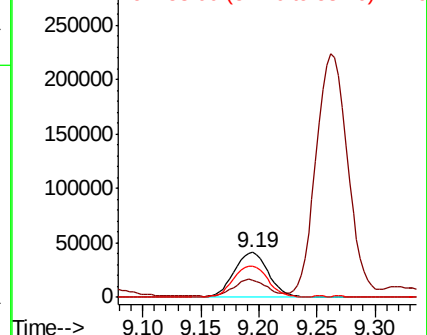
#49
 1,4-Dioxane
 Concen: 973.448 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 85244
 Ion Ratio Lower Upper
 88 100
 43 35.2 28.5 42.7
 58 71.1 55.8 83.6

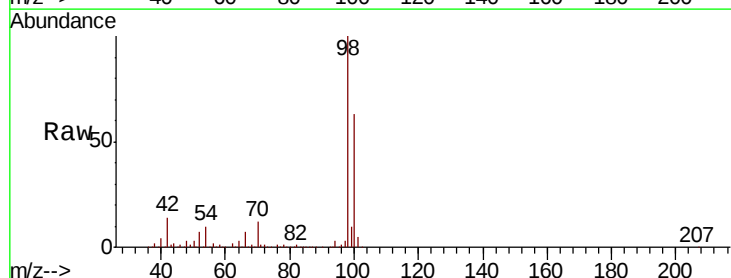


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

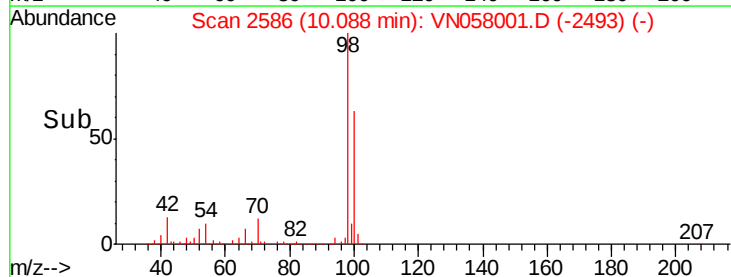
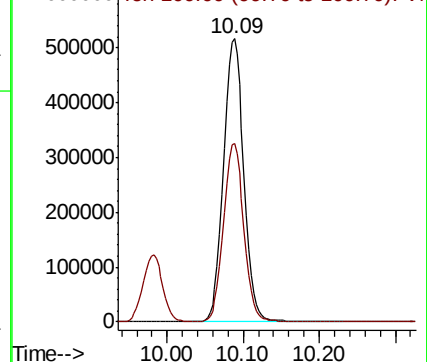


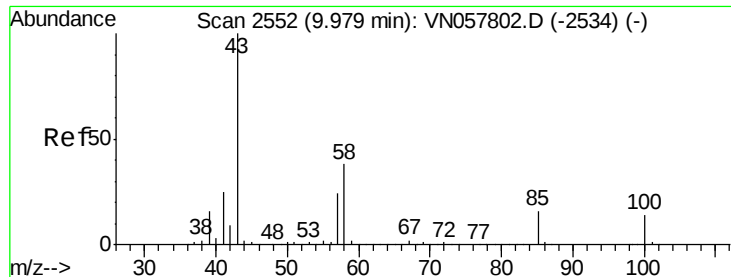
#50
 Toluene-d8
 Concen: 52.763 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion: 98 Resp: 957858
 Ion Ratio Lower Upper
 98 100
 100 62.7 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: 275.464 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

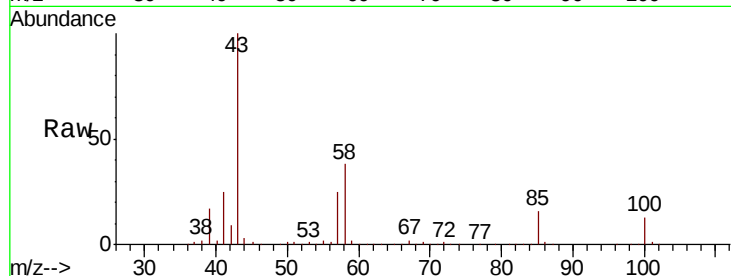
VSTDCCC050EC

Tgt Ion: 43 Resp: 1664055

Ion Ratio Lower Upper

43 100

58 37.2 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) (-)

9.98

1000000

800000

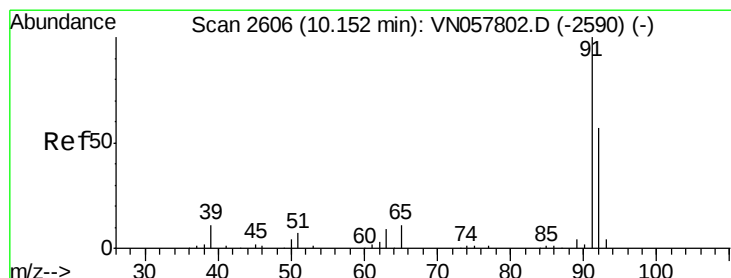
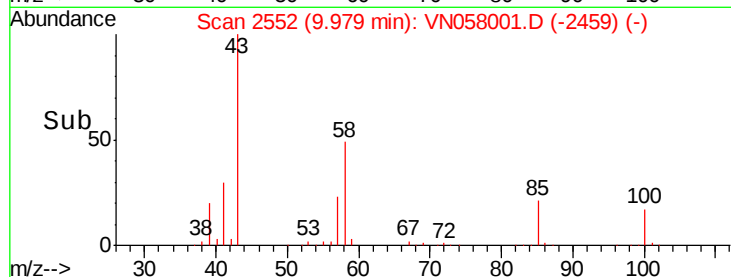
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.962 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058001.D

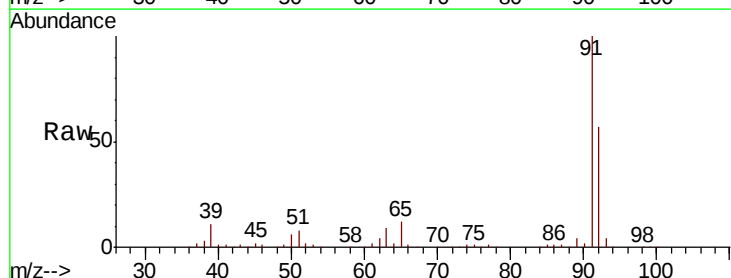
Acq: 13 Sep 2019 3:27

Tgt Ion: 92 Resp: 545481

Ion Ratio Lower Upper

92 100

91 175.3 141.0 211.6



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

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

10.15

600000

500000

400000

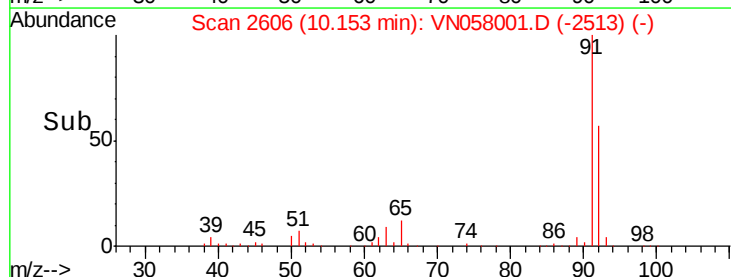
300000

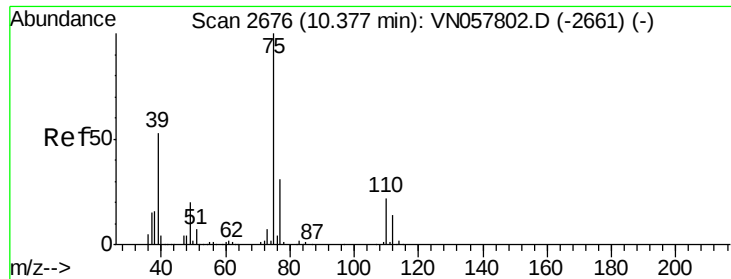
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.339 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

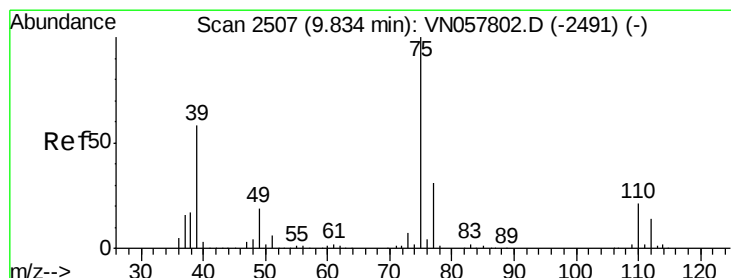
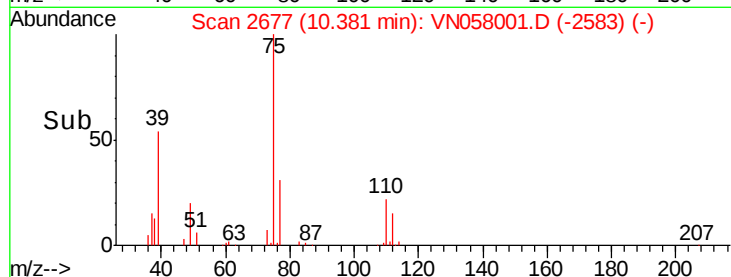
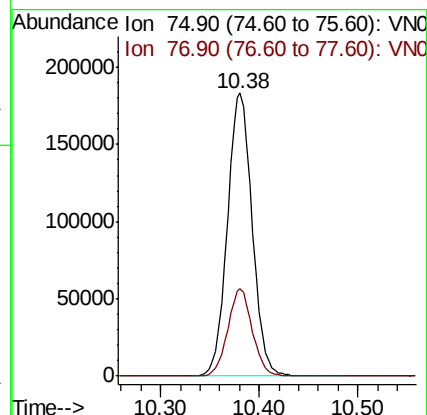
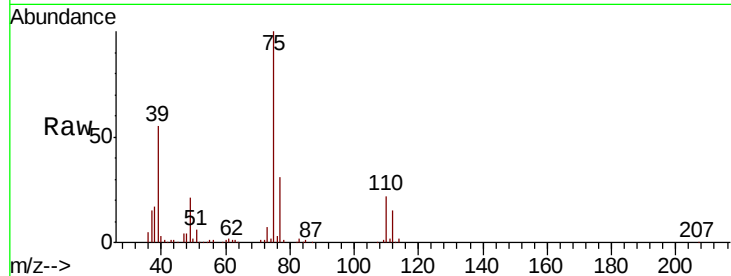
VSTDCCC050EC

Tgt Ion: 75 Resp: 322700

Ion Ratio Lower Upper

75 100

77 30.7 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 48.479 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

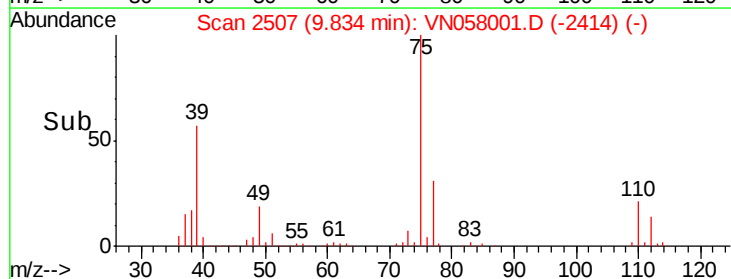
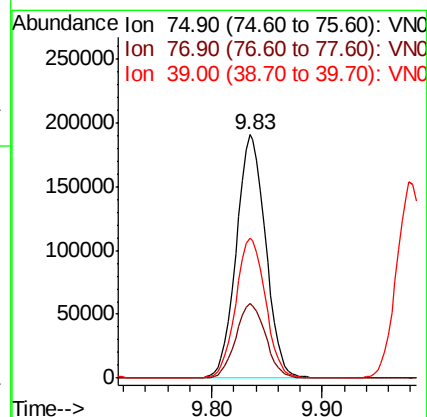
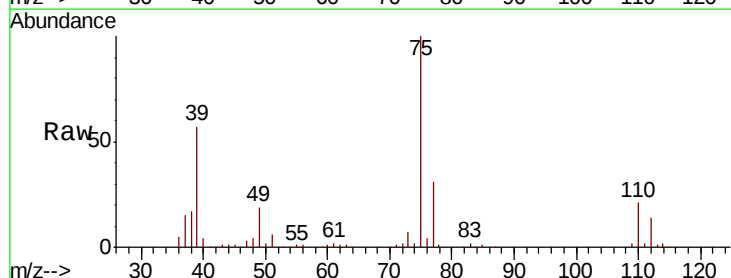
Tgt Ion: 75 Resp: 350073

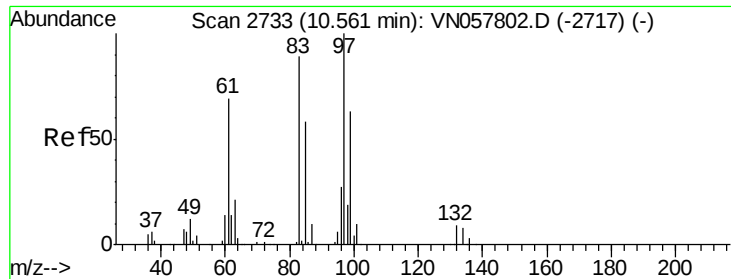
Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 57.4 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 51.747 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 244200

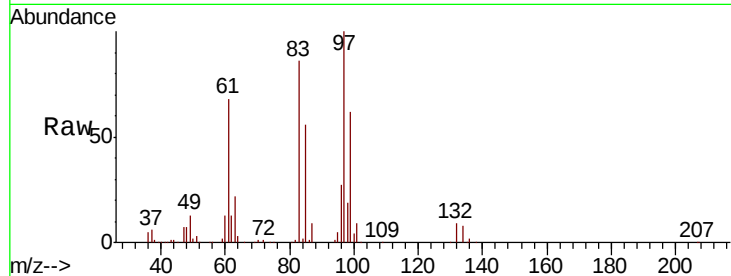
Ion Ratio Lower Upper

97 100

83 85.5 70.8 106.2

85 56.2 46.0 69.0

99 61.7 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

10.56

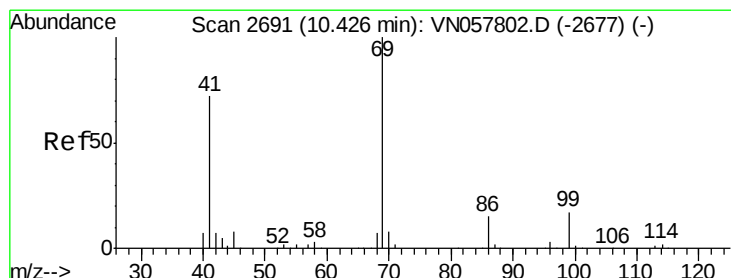
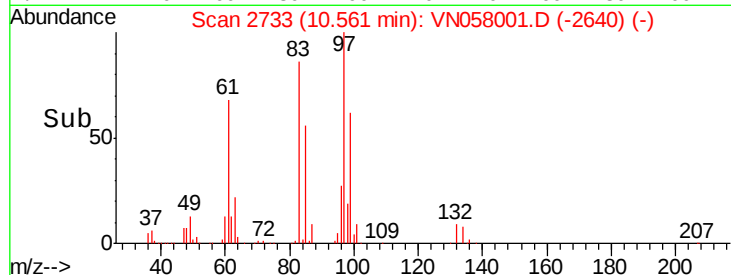
150000

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 50.367 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

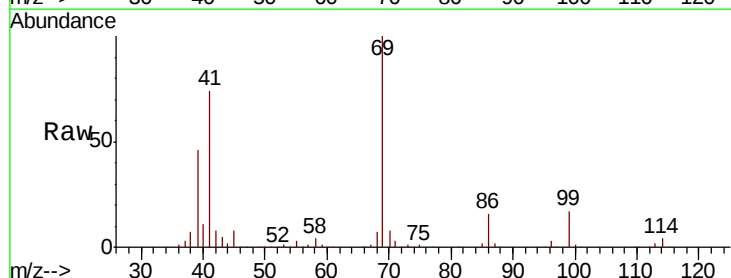
Tgt Ion: 69 Resp: 357934

Ion Ratio Lower Upper

69 100

41 72.4 56.7 85.1

39 47.1 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

10.43

300000

250000

200000

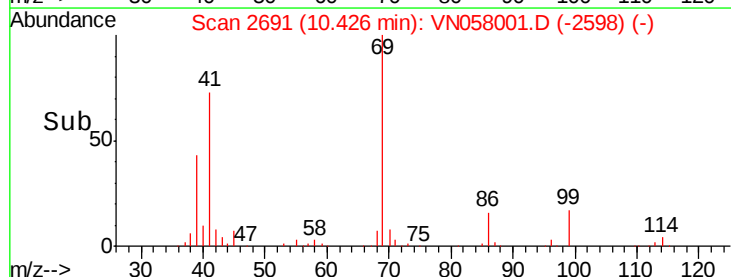
150000

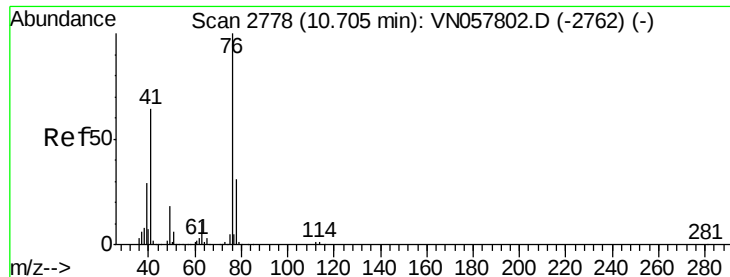
100000

50000

0

Time-->





#57

1,3-Dichloropropane

Concen: 50.996 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

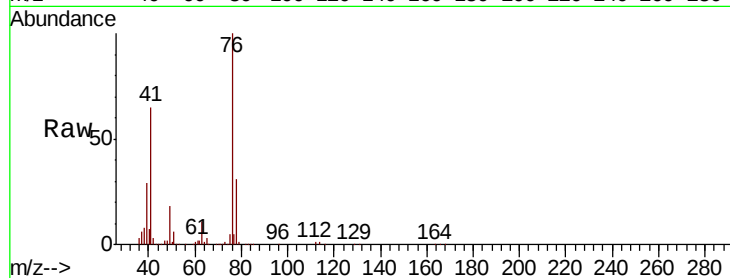
VSTDCCC050EC

Tgt Ion: 76 Resp: 414741

Ion Ratio Lower Upper

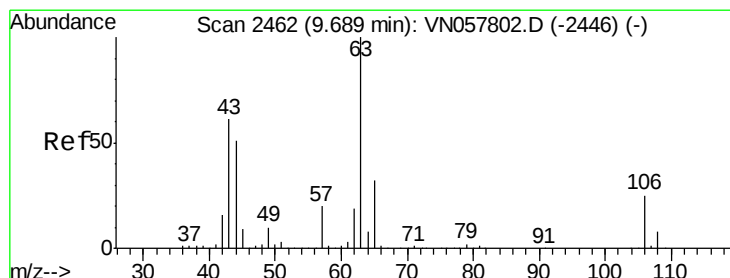
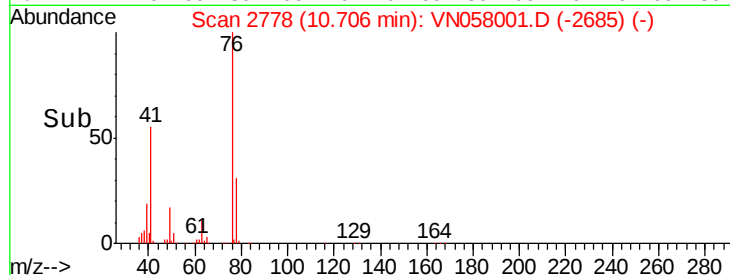
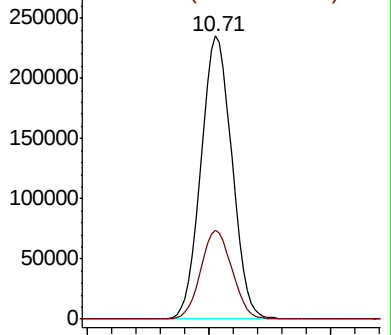
76 100

78 31.7 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 244.276 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058001.D

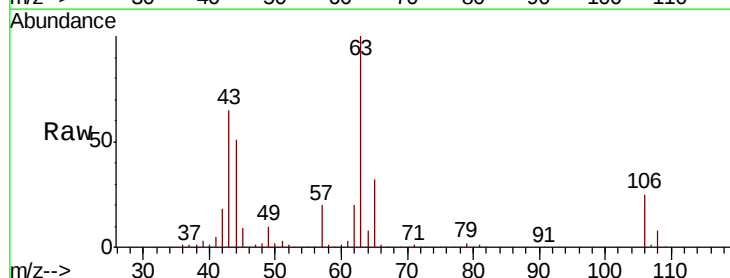
Acq: 13 Sep 2019 3:27

Tgt Ion: 63 Resp: 817621

Ion Ratio Lower Upper

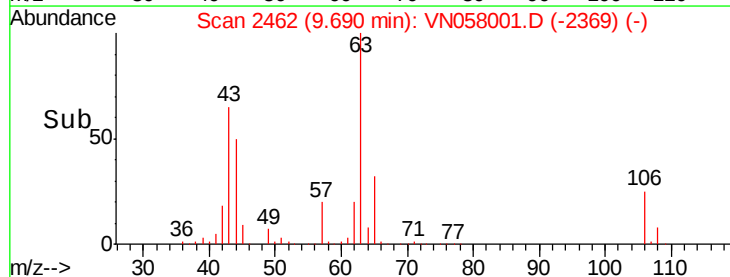
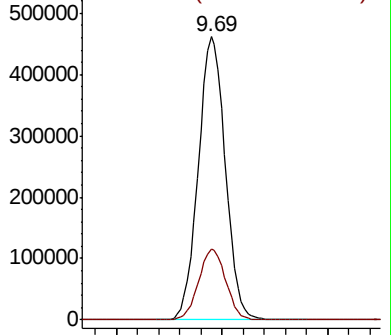
63 100

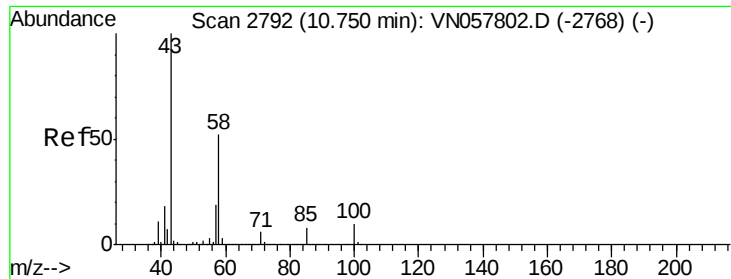
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

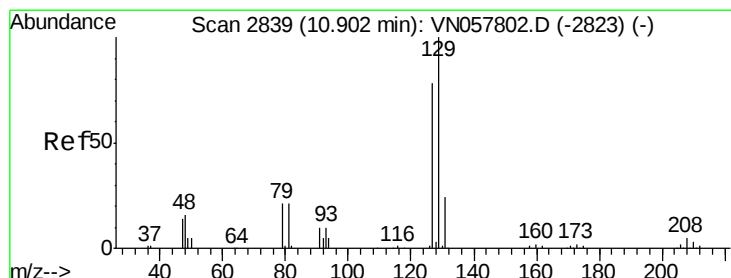
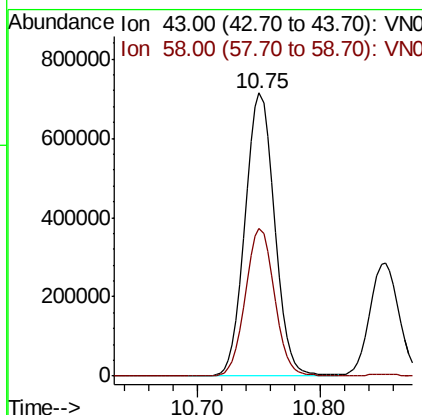
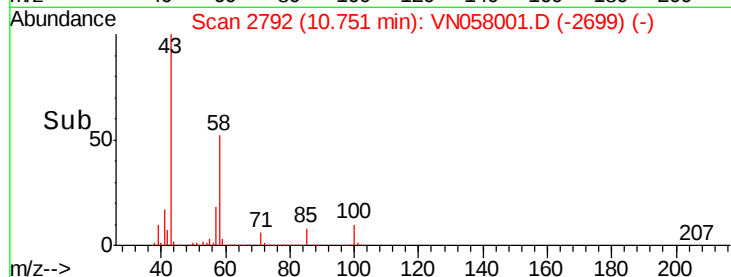
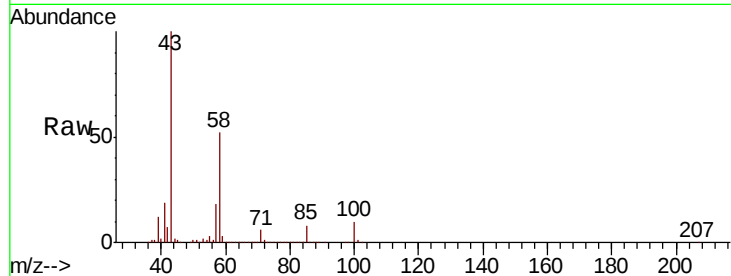




#59
2-Hexanone
Concen: 261.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

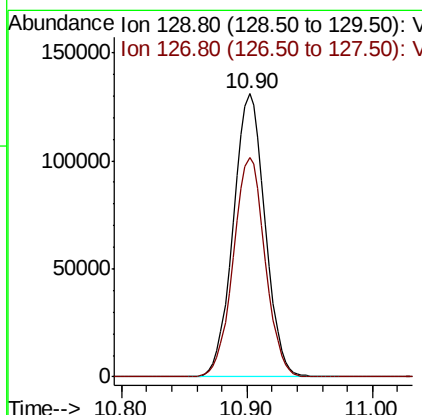
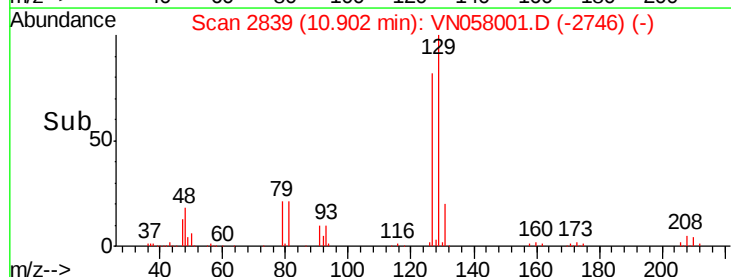
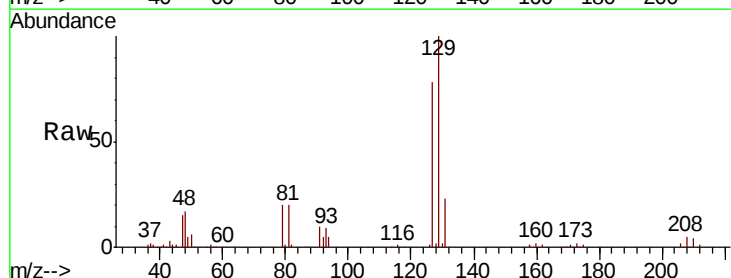
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

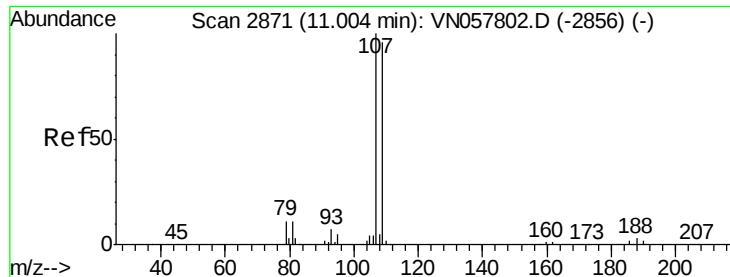
Tgt Ion: 43 Resp: 1184710
Ion Ratio Lower Upper
43 100
58 51.5 25.6 76.8



#60
Dibromochloromethane
Concen: 52.551 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion: 129 Resp: 230286
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0

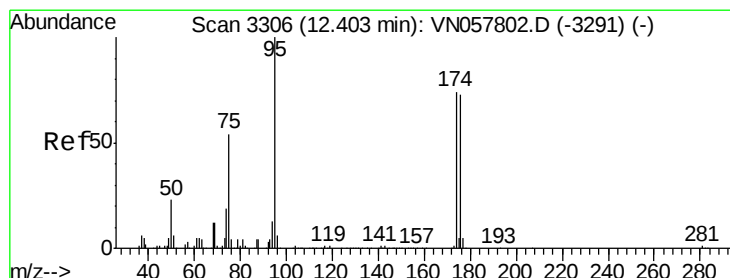
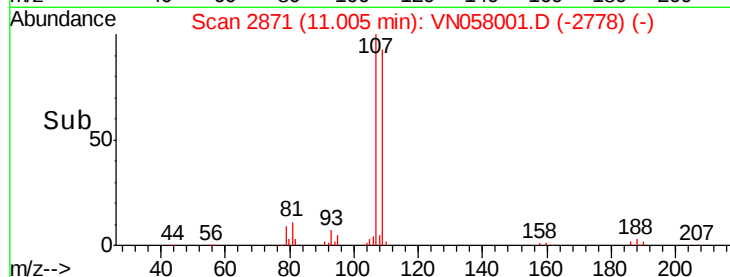
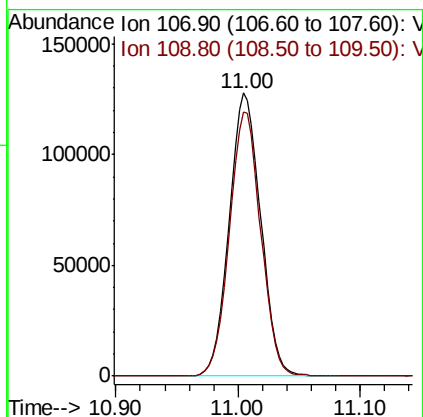
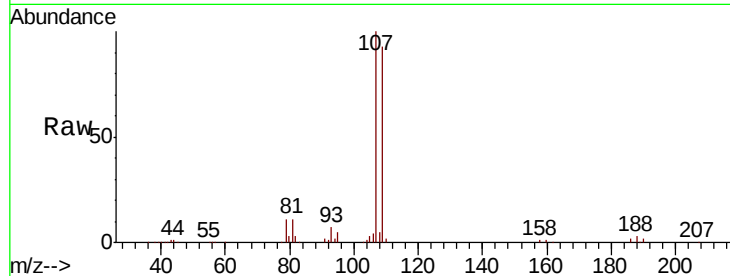




#61
 1,2-Dibromoethane
 Concen: 51.366 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

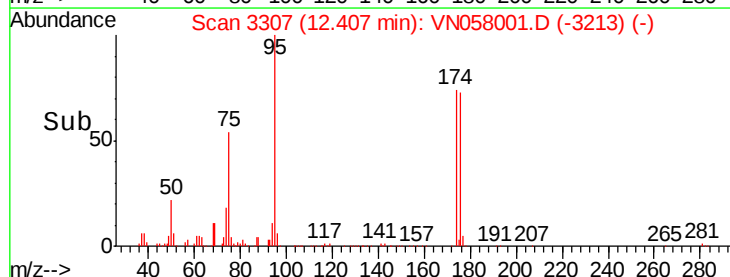
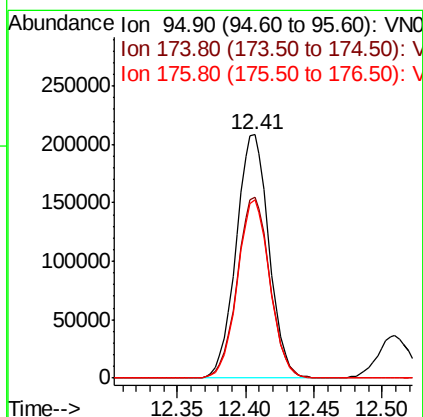
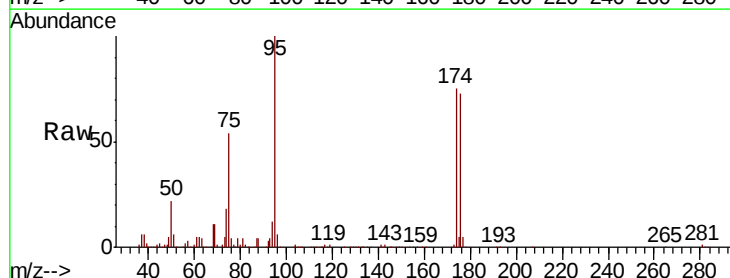
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

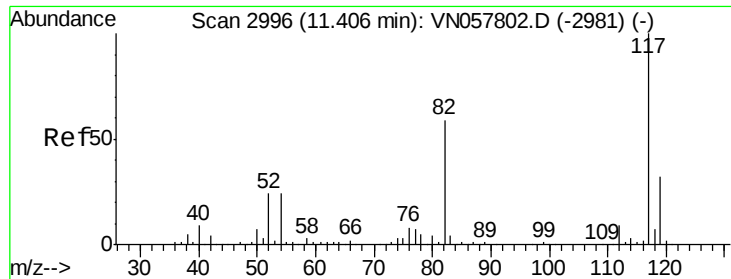
Tgt Ion: 107 Resp: 229170
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 50.297 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion: 95 Resp: 347969
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 150.2
 176 72.0 0.0 146.0

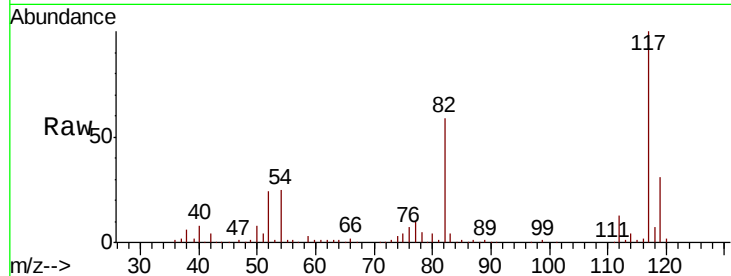




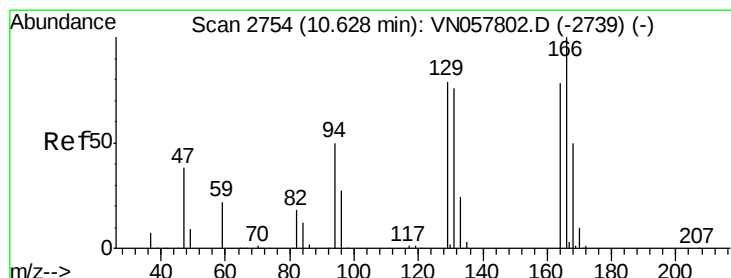
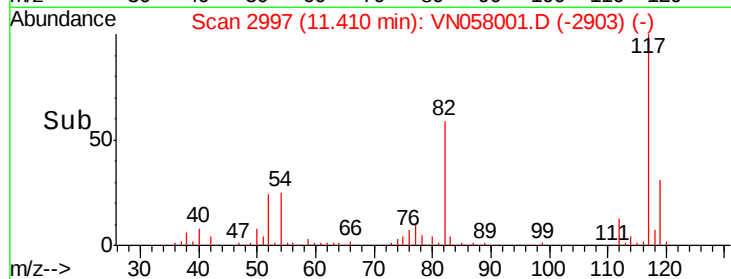
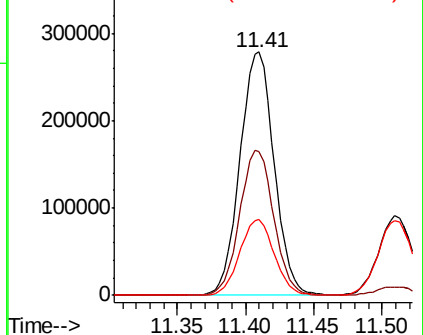
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 485566
Ion Ratio Lower Upper
117 100
82 59.3 47.2 70.8
119 31.0 25.3 37.9

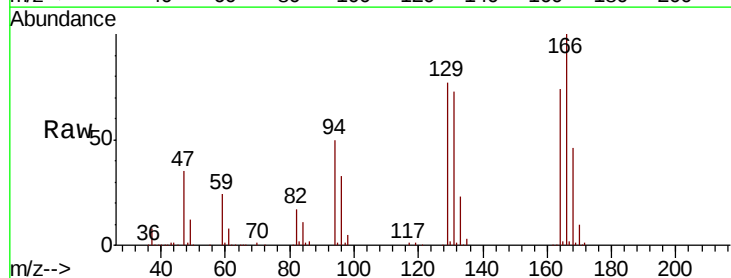


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

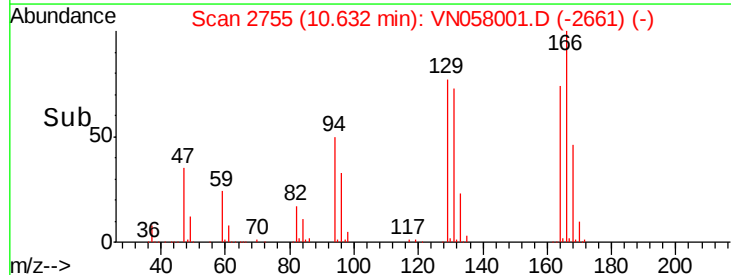
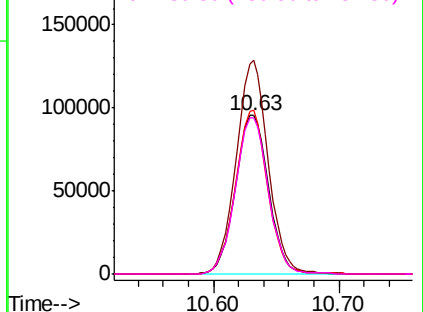


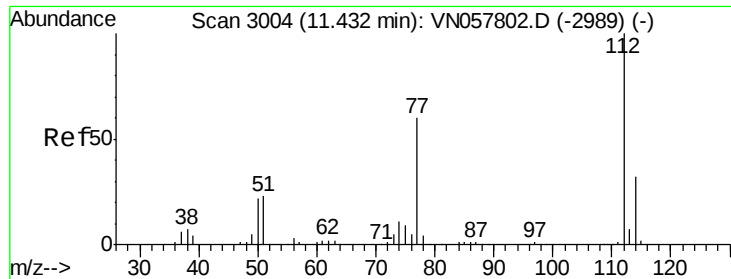
#64
Tetrachloroethene
Concen: 48.955 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion:164 Resp: 175511
Ion Ratio Lower Upper
164 100
166 135.0 102.2 153.2
129 103.5 80.8 121.2
131 98.7 77.4 116.2



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

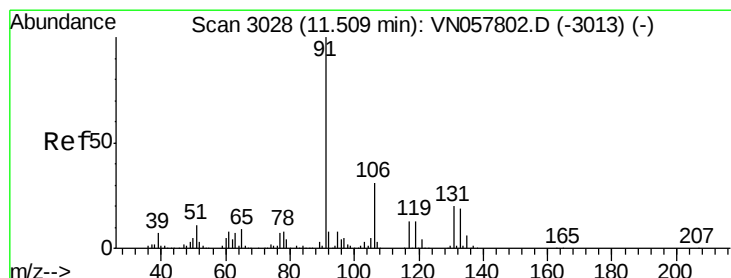
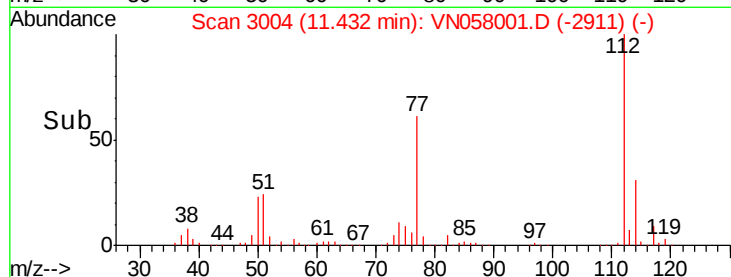
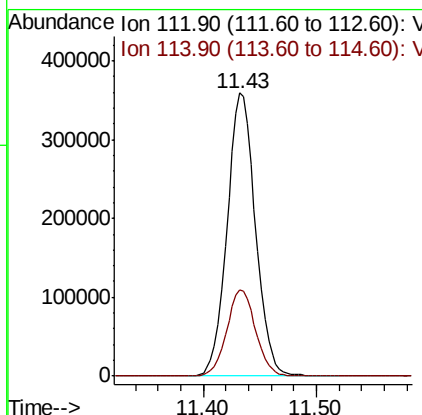
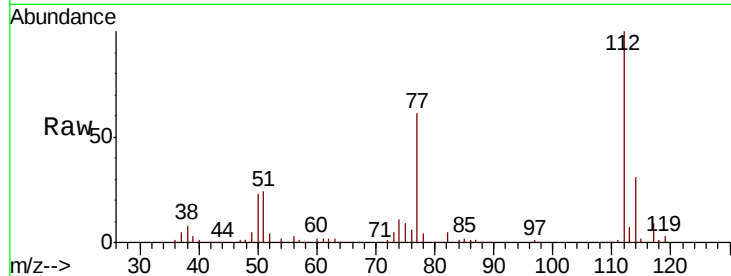




#65
Chlorobenzene
Concen: 49.023 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

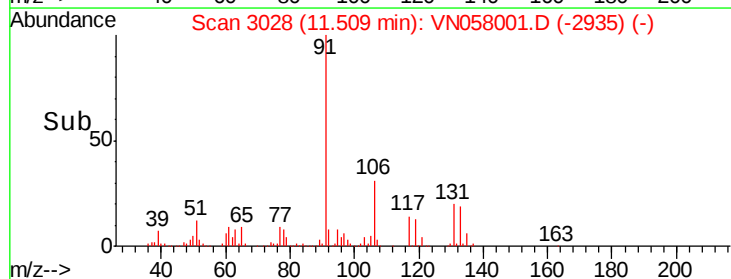
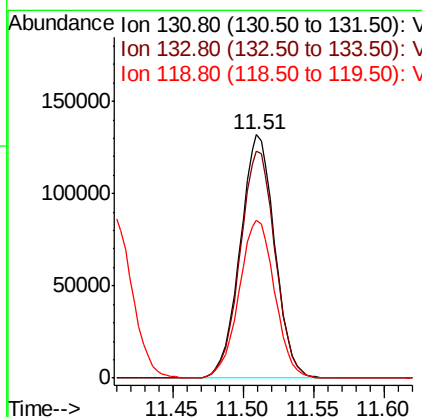
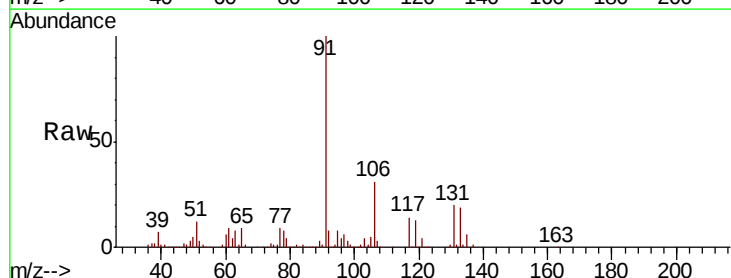
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

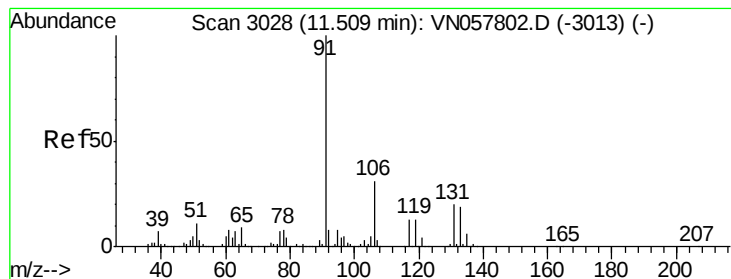
Tgt Ion:112 Resp: 622962
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.432 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion:131 Resp: 226786
Ion Ratio Lower Upper
131 100
133 94.7 47.1 141.3
119 66.7 33.3 99.8





#67

Ethyl Benzene

Concen: 49.818 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

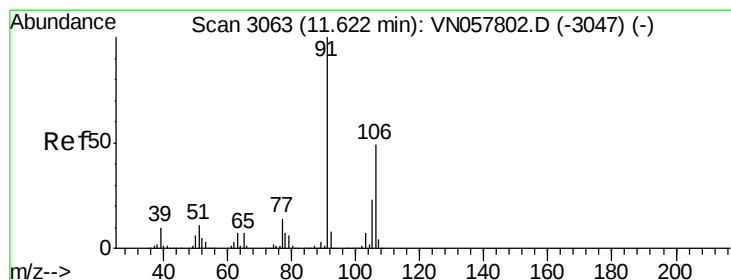
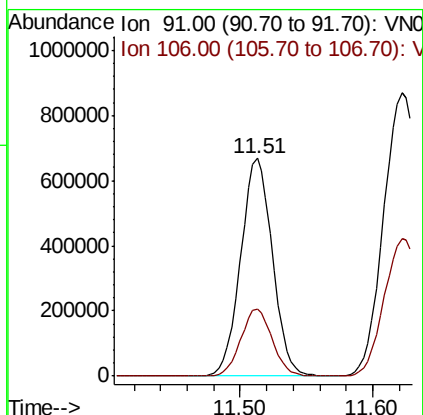
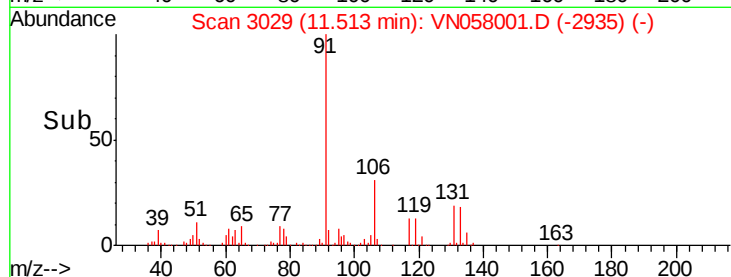
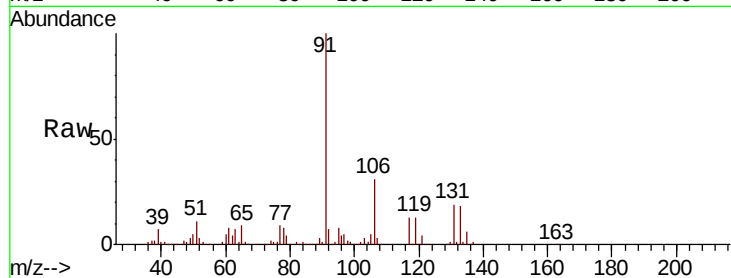
VSTDCCC050EC

Tgt Ion: 91 Resp: 1109485

Ion Ratio Lower Upper

91 100

106 30.9 24.4 36.6



#68

m/p-Xylenes

Concen: 100.814 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058001.D

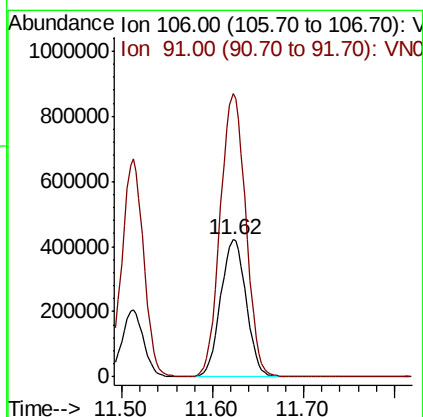
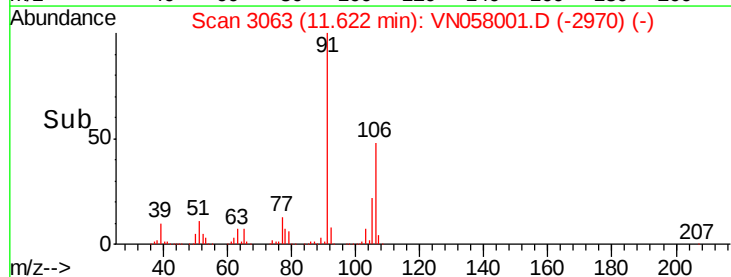
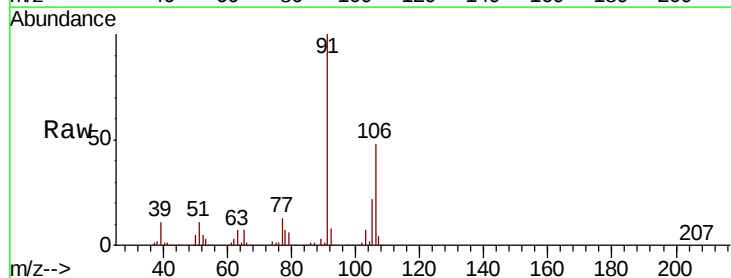
Acq: 13 Sep 2019 3:27

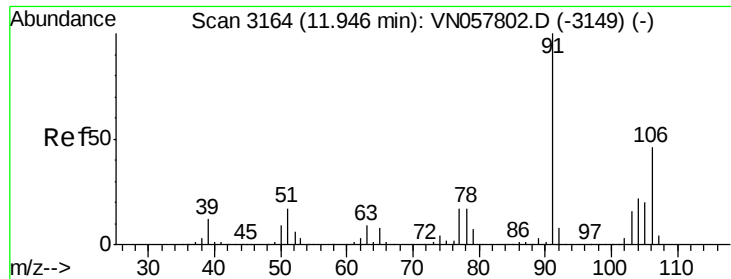
Tgt Ion: 106 Resp: 822408

Ion Ratio Lower Upper

106 100

91 206.1 165.8 248.6

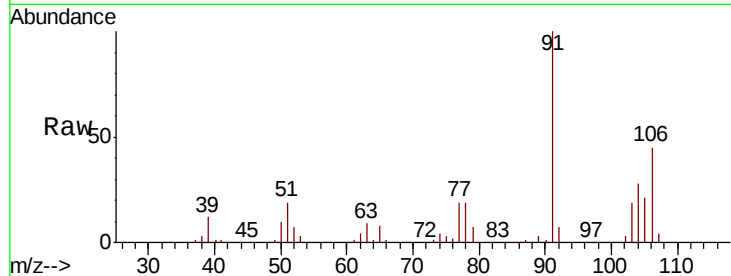




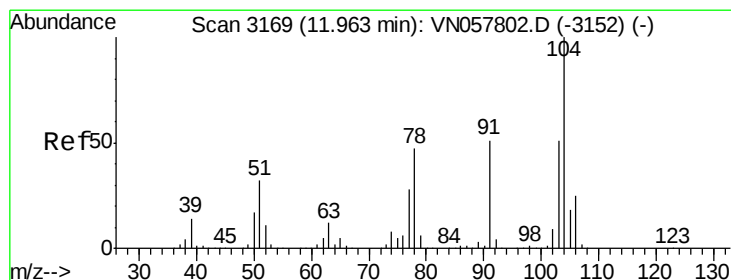
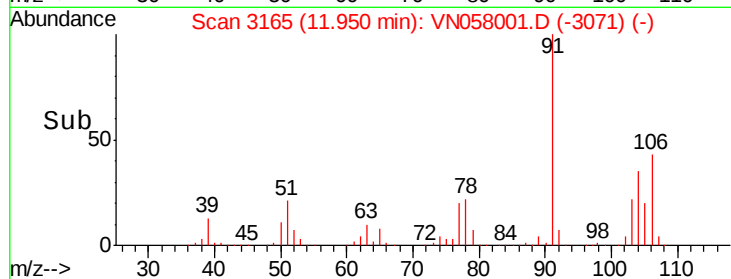
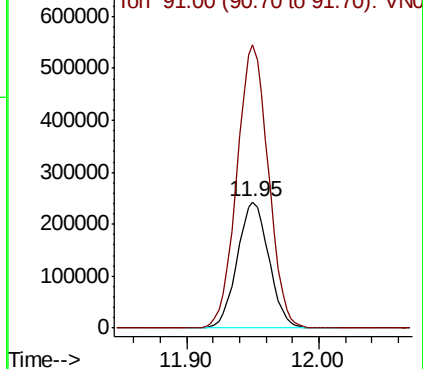
#69
o-Xylene
Concen: 49.581 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 402104
Ion Ratio Lower Upper
106 100
91 223.4 108.7 326.1

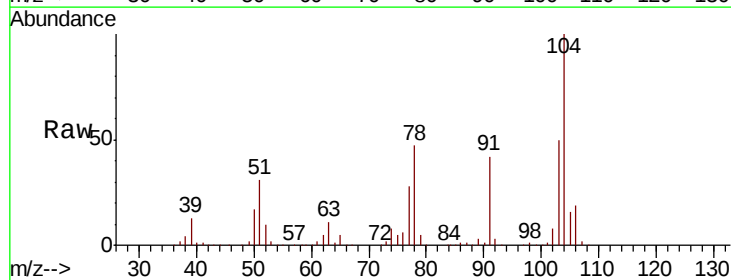


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

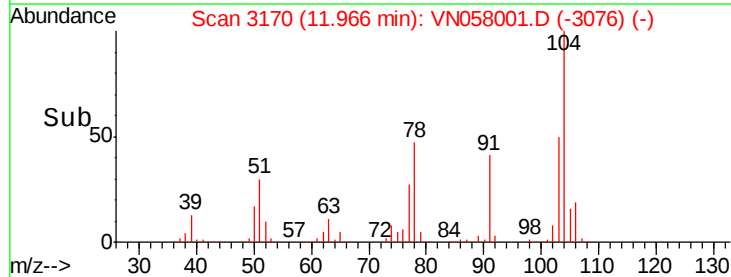
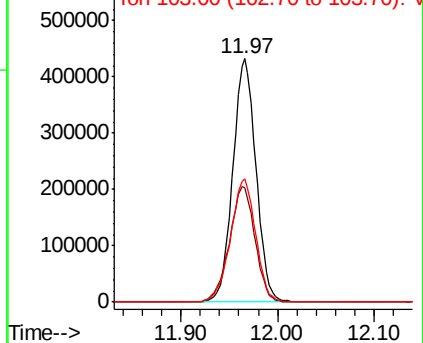


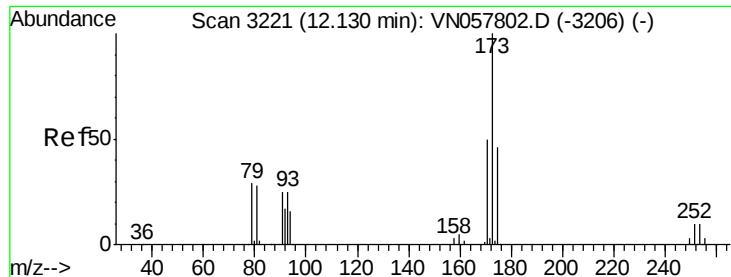
#70
Styrene
Concen: 51.530 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058001.D
Acq: 13 Sep 2019 3:27

Tgt Ion:104 Resp: 719206
Ion Ratio Lower Upper
104 100
78 52.3 41.3 61.9
103 54.9 43.7 65.5



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





#71

Bromoform

Concen: 52.242 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

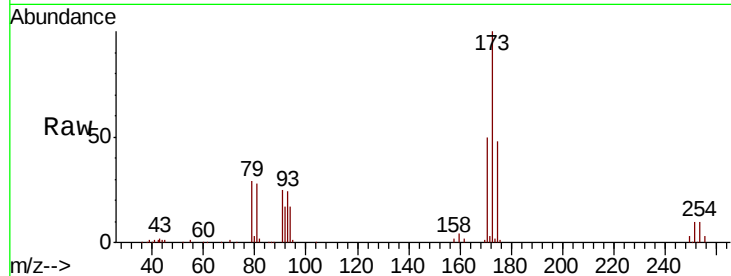
Tgt Ion:173 Resp: 143619

Ion Ratio Lower Upper

173 100

175 48.5 23.5 70.6

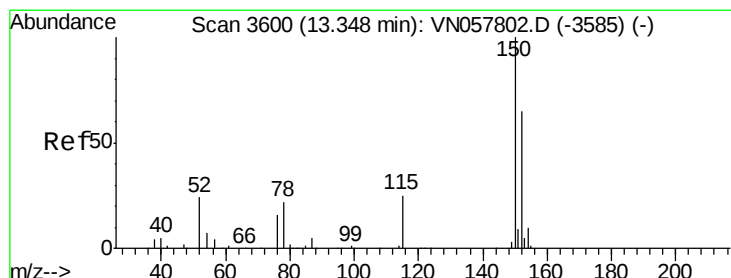
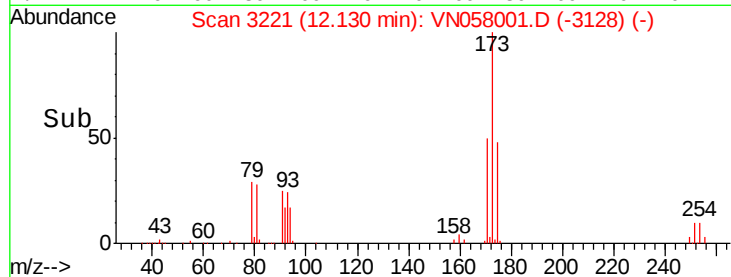
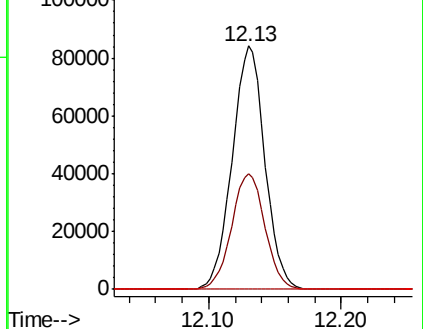
254 0.0 0.1 0.1#



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: VN058001.D

Acq: 13 Sep 2019 3:27

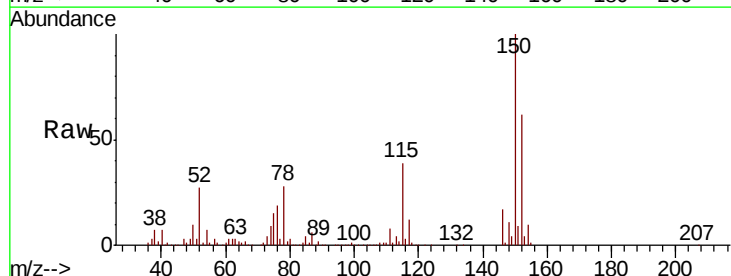
Tgt Ion:152 Resp: 296170

Ion Ratio Lower Upper

152 100

115 61.0 30.3 91.0

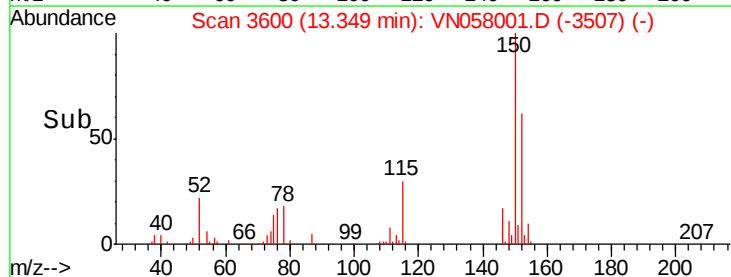
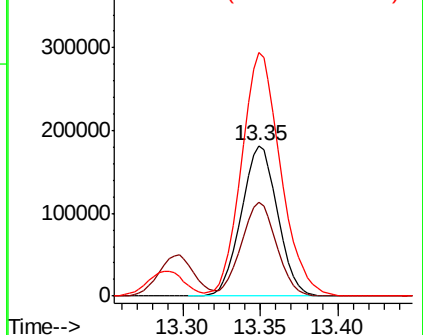
150 174.7 0.0 352.4

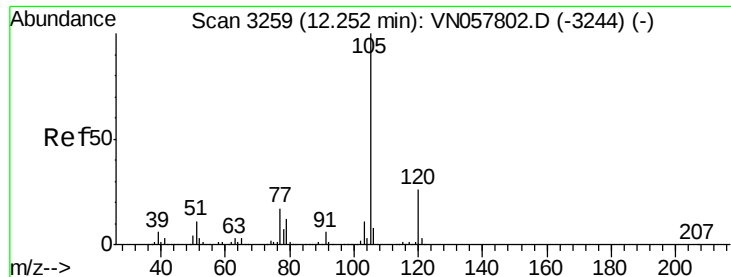


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.590 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

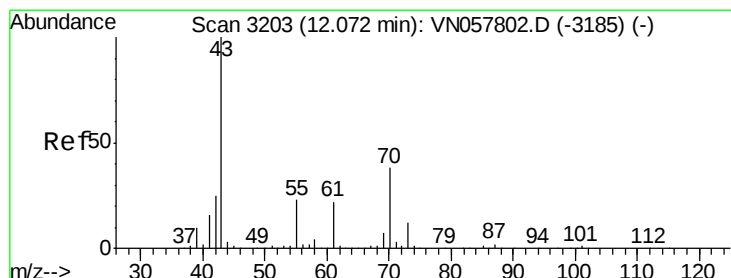
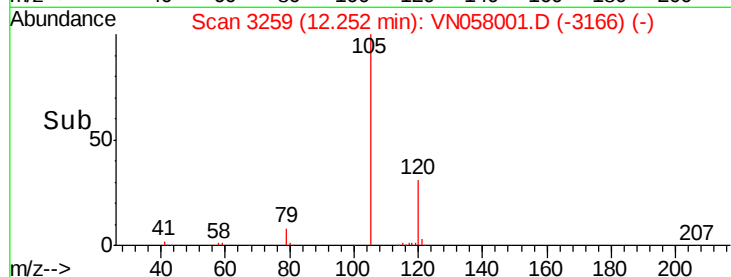
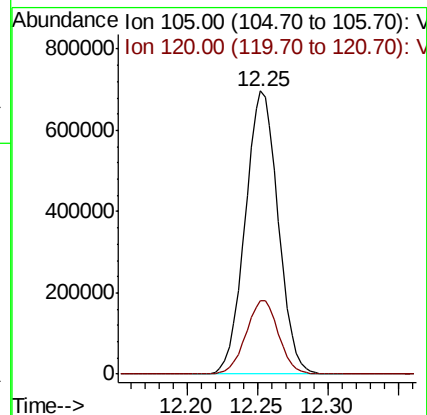
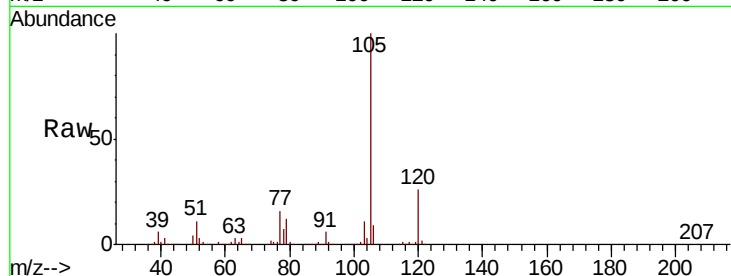
VSTDCCC050EC

Tgt Ion:105 Resp: 1139662

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4



#74

N-ethyl acetate

Concen: 49.180 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Tgt Ion: 43 Resp: 491886

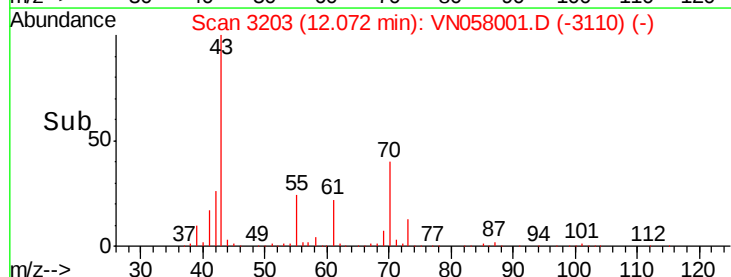
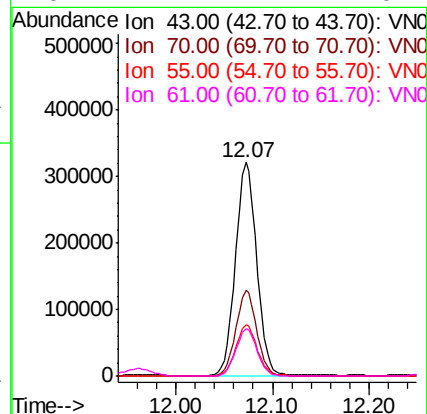
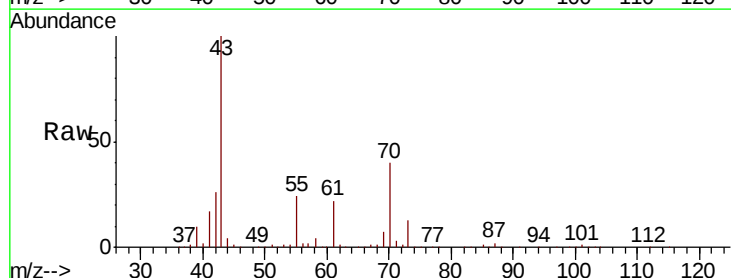
Ion Ratio Lower Upper

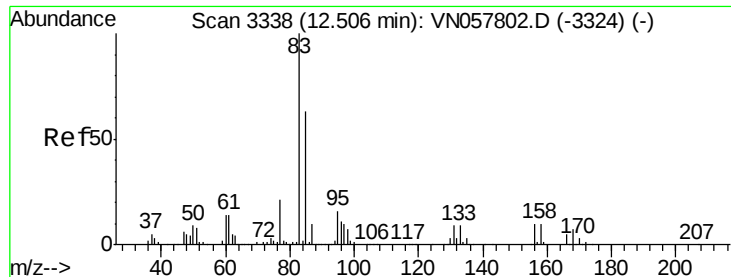
43 100

70 39.5 30.6 45.8

55 24.1 18.6 27.8

61 22.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.413 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

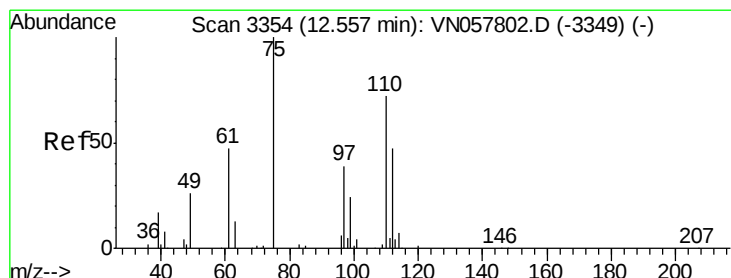
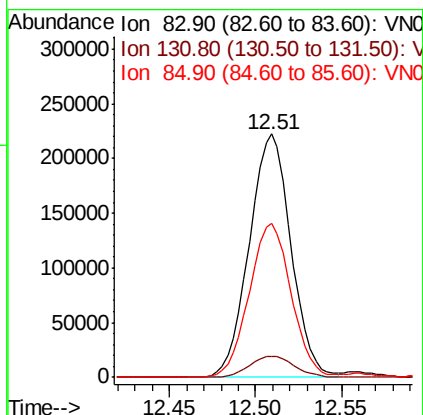
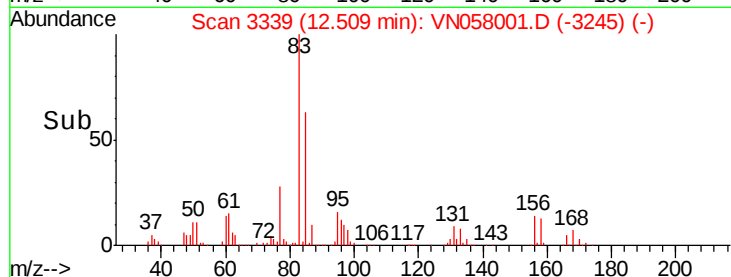
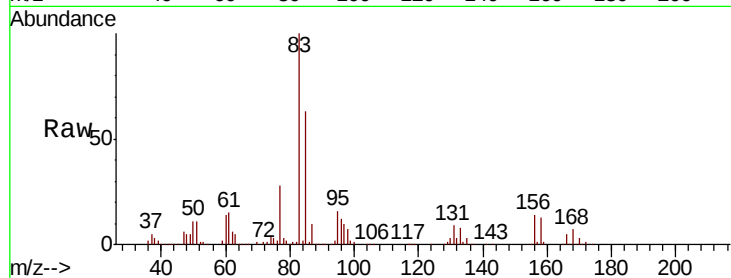
Tgt Ion: 83 Resp: 374622

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

85 63.5 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 65.332 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058001.D

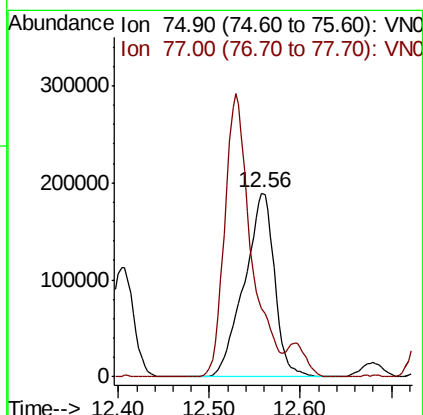
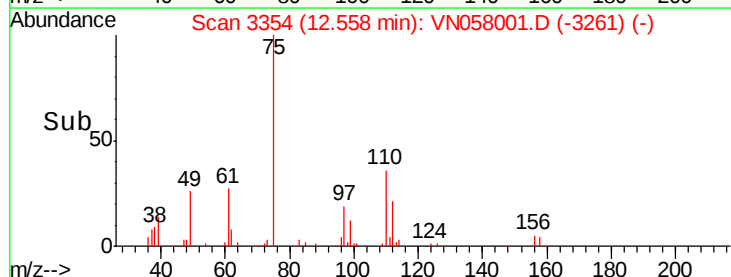
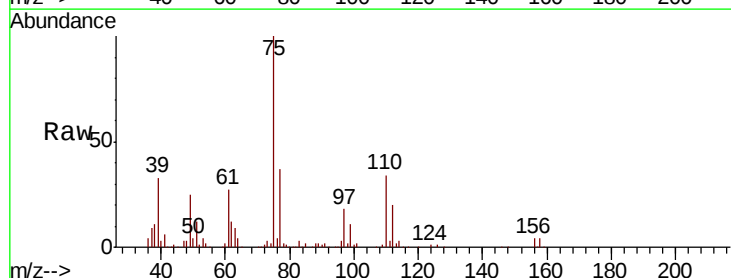
Acq: 13 Sep 2019 3:27

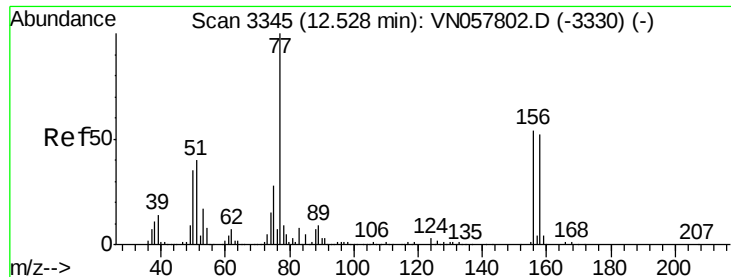
Tgt Ion: 75 Resp: 437717

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.265 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

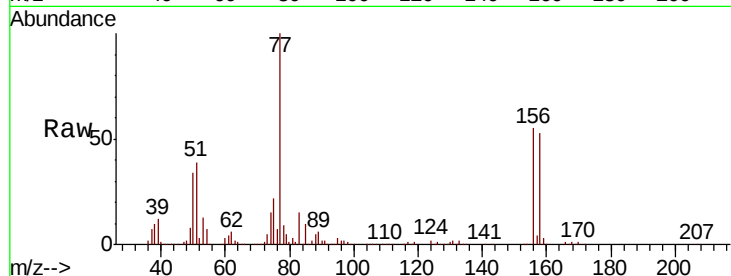
Tgt Ion:156 Resp: 265091

Ion Ratio Lower Upper

156 100

77 223.4 113.7 341.1

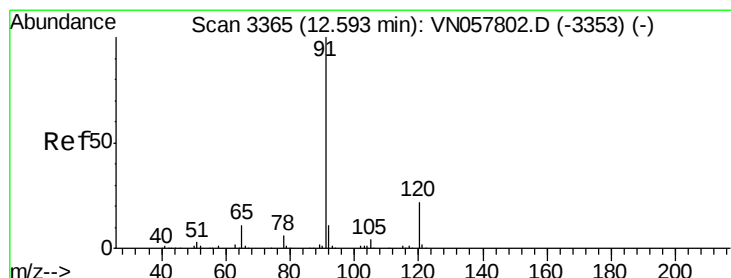
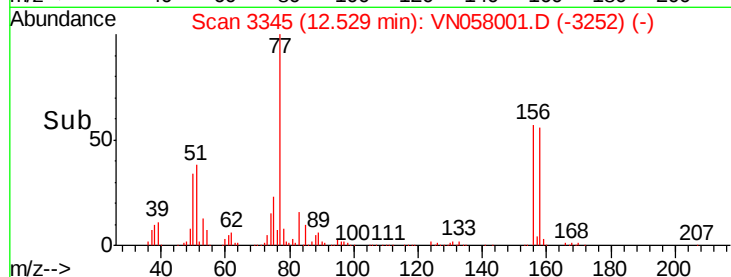
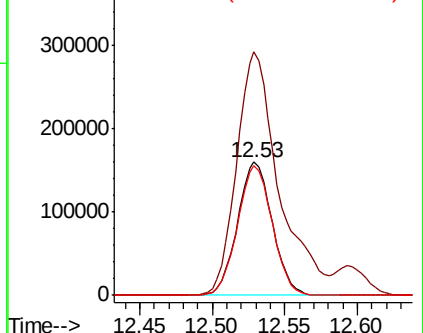
158 97.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.418 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058001.D

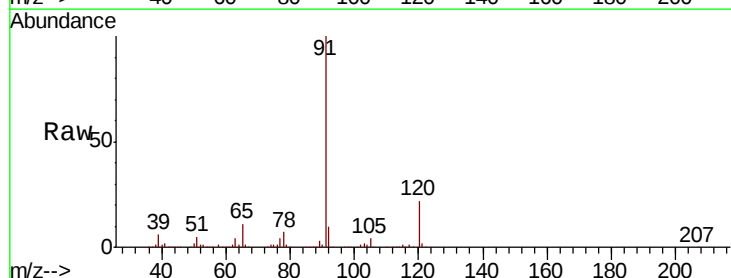
Acq: 13 Sep 2019 3:27

Tgt Ion: 91 Resp: 1330546

Ion Ratio Lower Upper

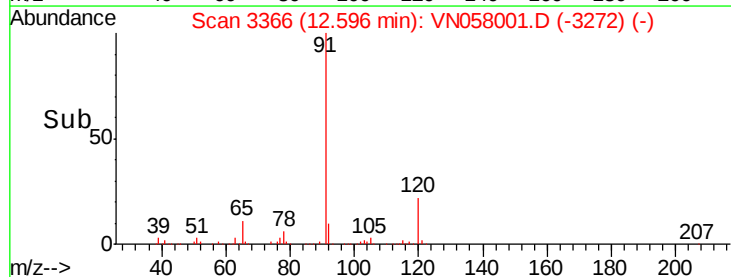
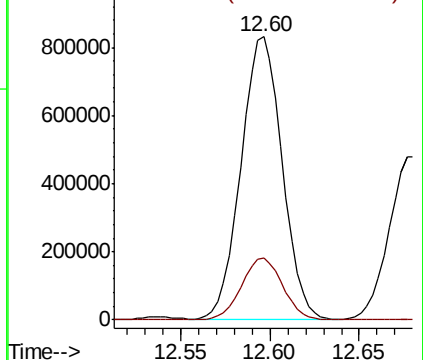
91 100

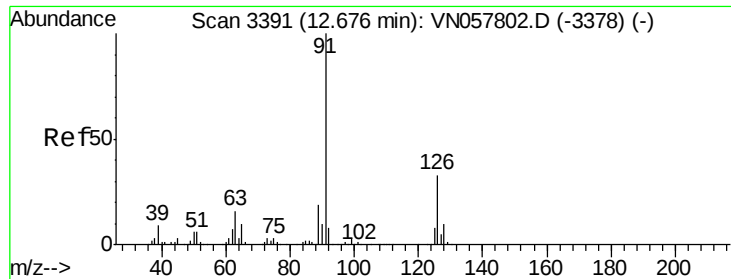
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.617 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

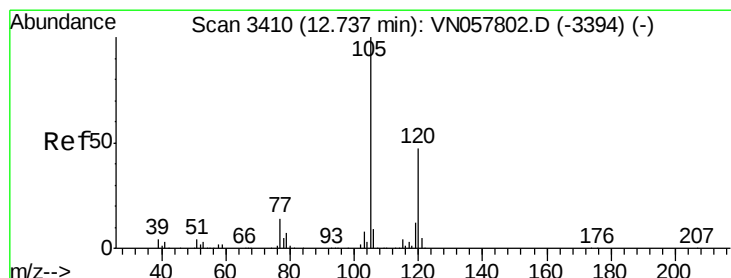
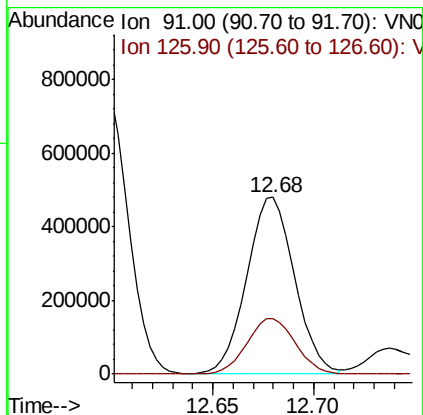
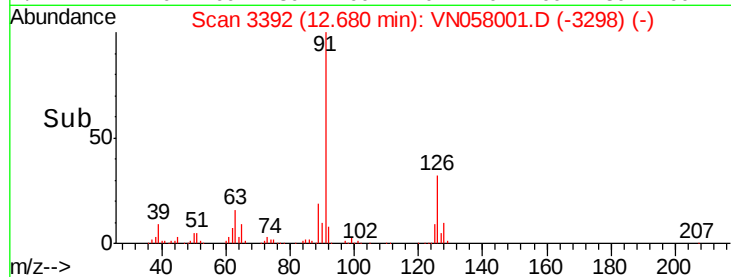
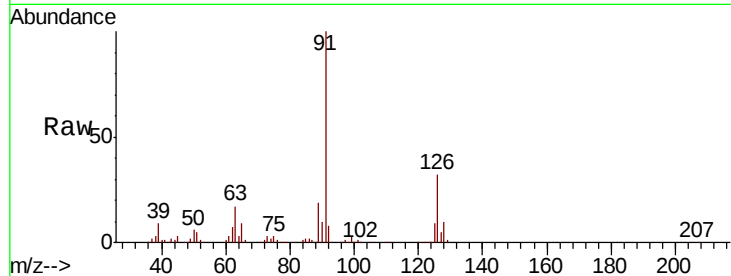
VSTDCCC050EC

Tgt Ion: 91 Resp: 794221

Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 49.673 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058001.D

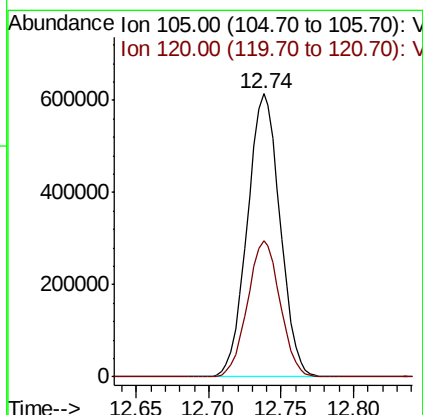
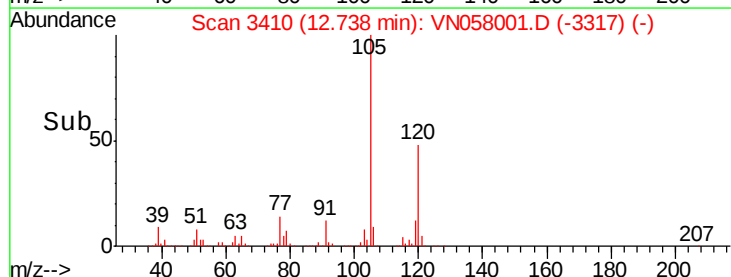
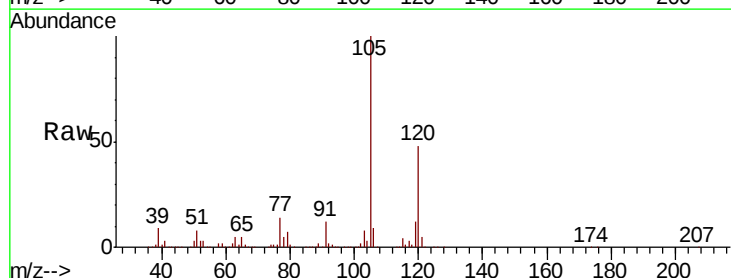
Acq: 13 Sep 2019 3:27

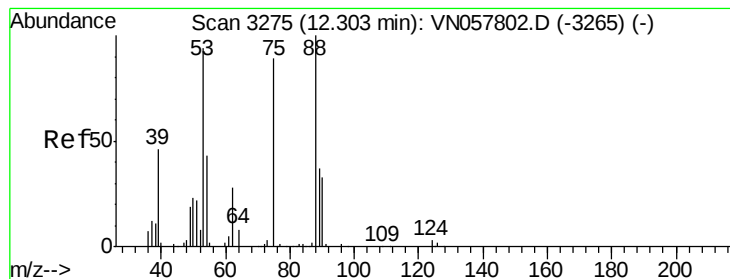
Tgt Ion: 105 Resp: 964558

Ion Ratio Lower Upper

105 100

120 48.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 42.137 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

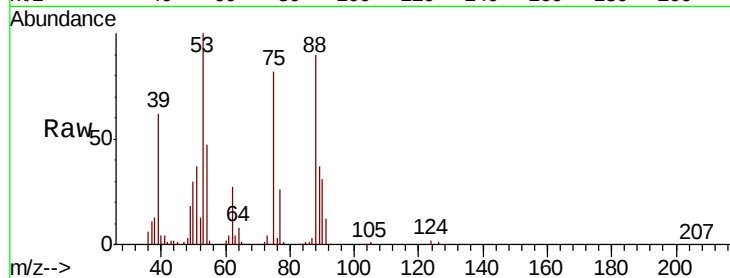
Tgt Ion: 75 Resp: 80224

Ion Ratio Lower Upper

75 100

53 120.5 88.4 132.6

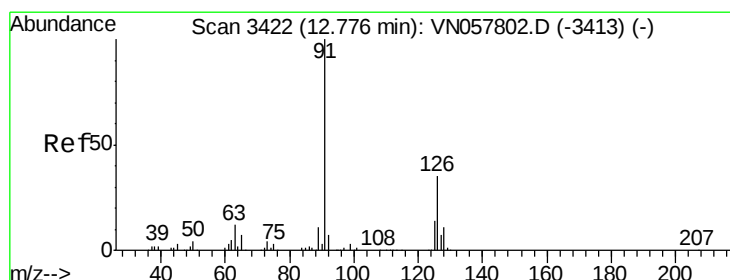
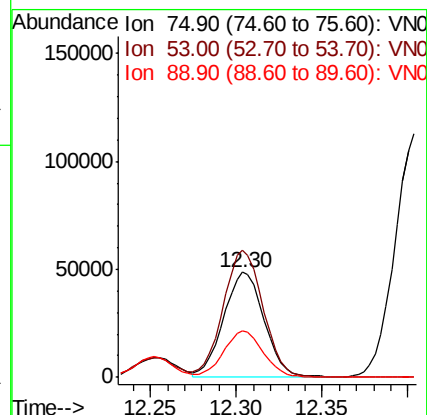
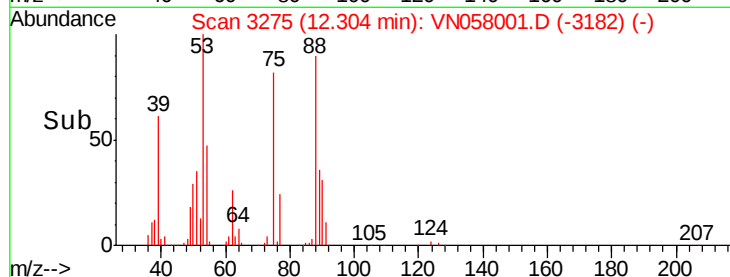
89 43.5 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.771 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058001.D

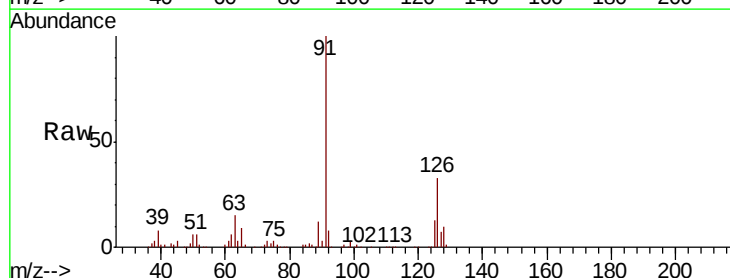
Acq: 13 Sep 2019 3:27

Tgt Ion: 91 Resp: 818255

Ion Ratio Lower Upper

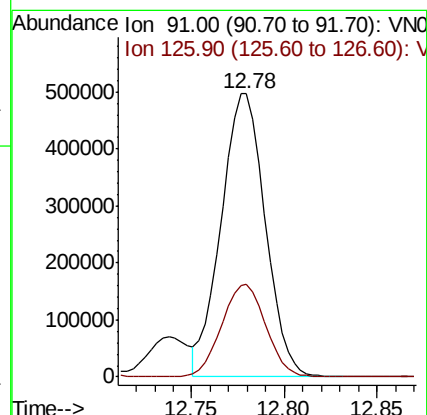
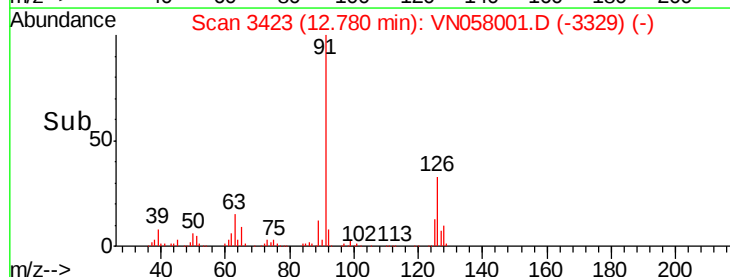
91 100

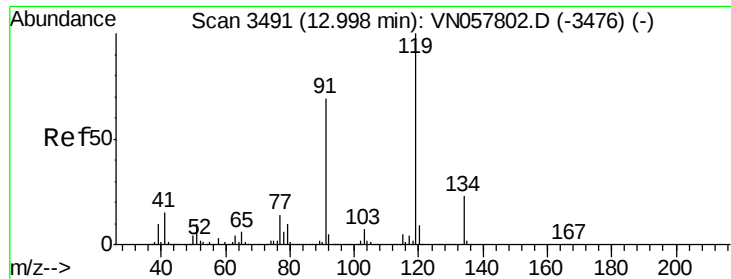
126 32.9 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

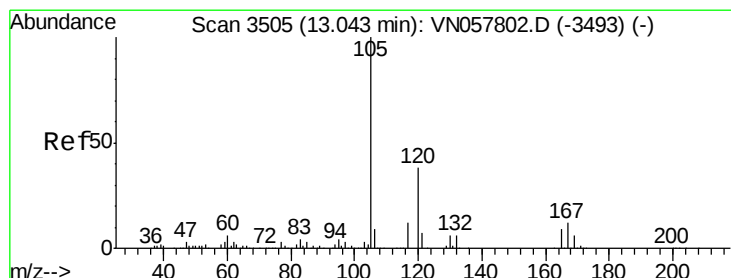
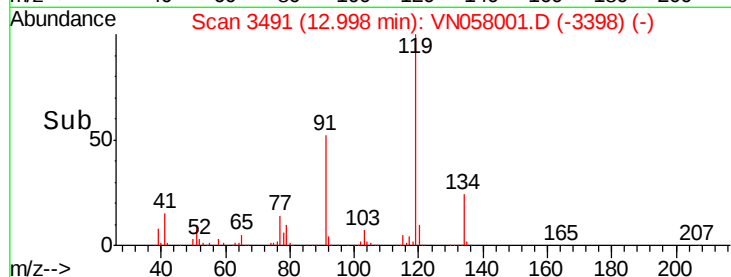
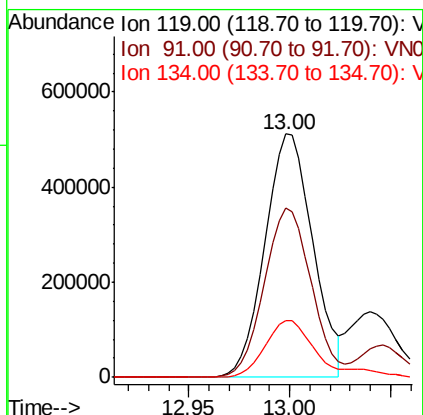
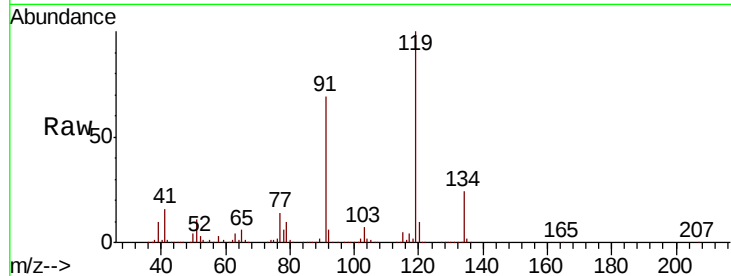




#83
 tert-Butylbenzene
 Concen: 48.990 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

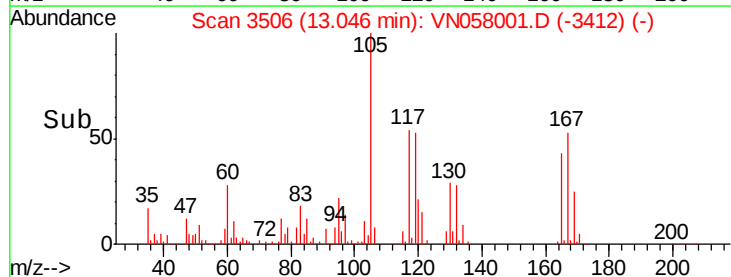
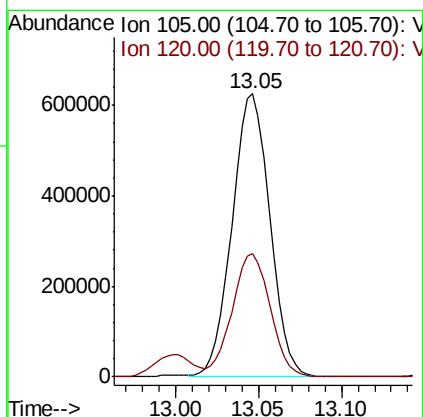
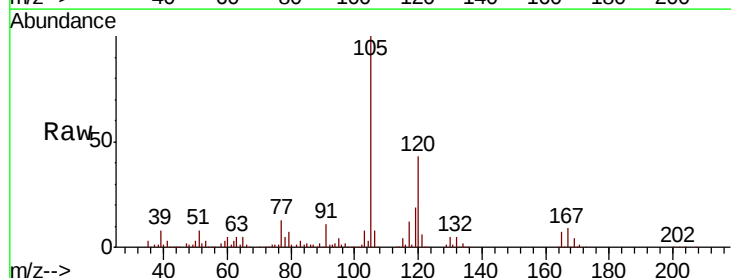
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

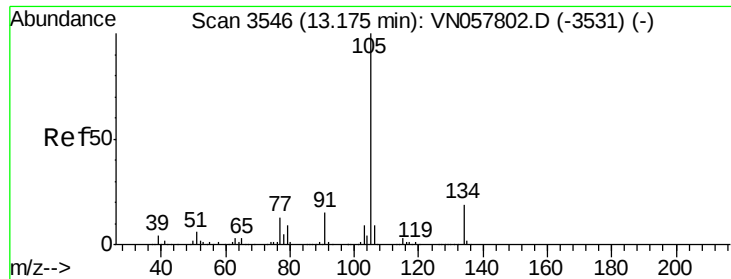
Tgt Ion:119 Resp: 845621
 Ion Ratio Lower Upper
 119 100
 91 68.0 33.6 100.8
 134 25.7 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.171 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion:105 Resp: 990168
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.4 67.2

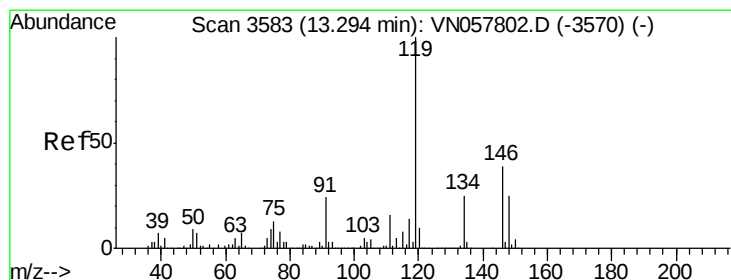
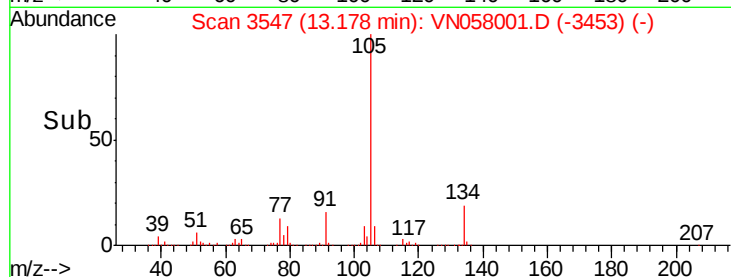
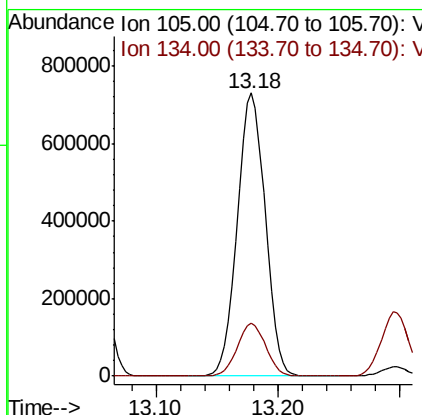
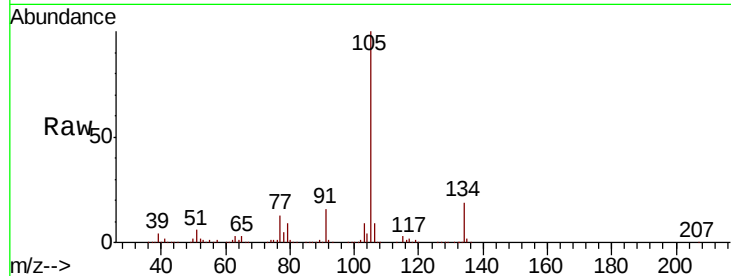




#85
 sec-Butylbenzene
 Concen: 50.402 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

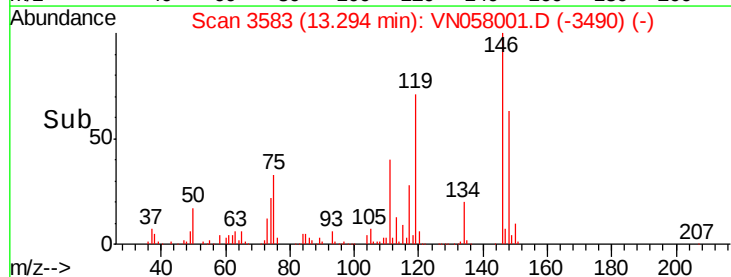
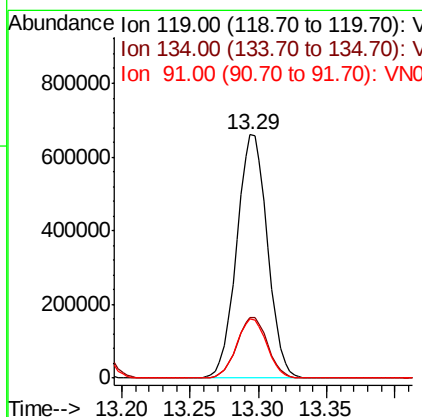
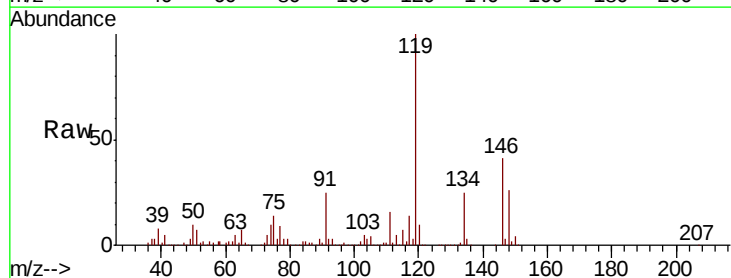
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

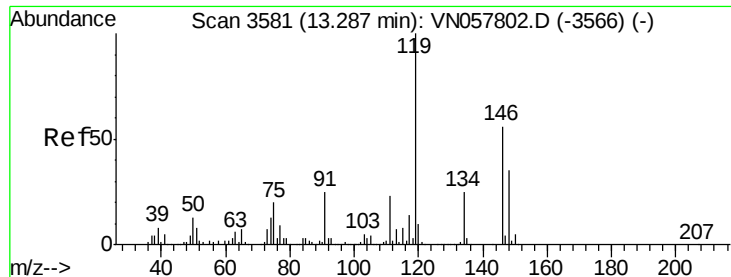
Tgt Ion:105 Resp: 1153105
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 50.993 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion:119 Resp: 1027916
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.5 37.5
 91 24.4 12.3 36.8

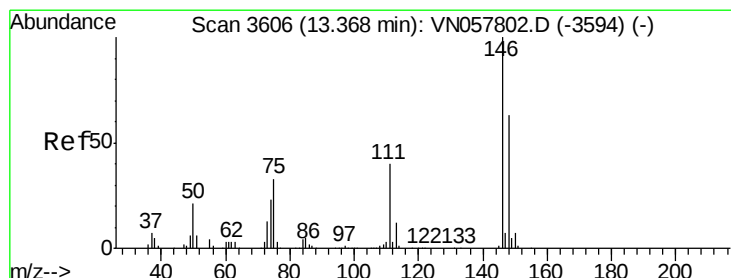
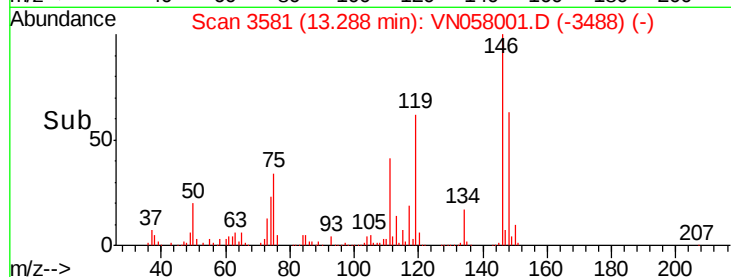
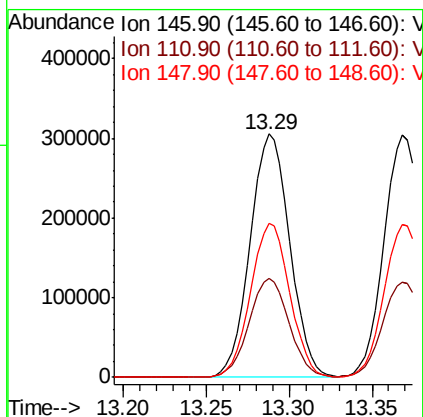
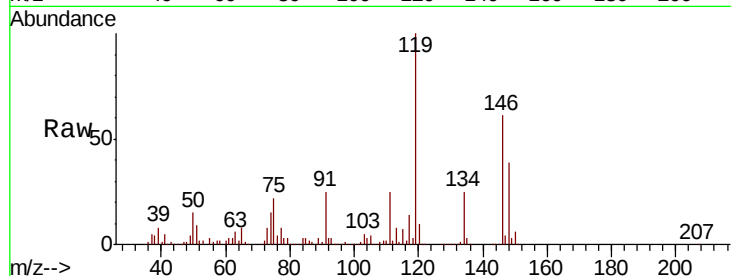




#87
 1,3-Dichlorobenzene
 Concen: 48.457 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

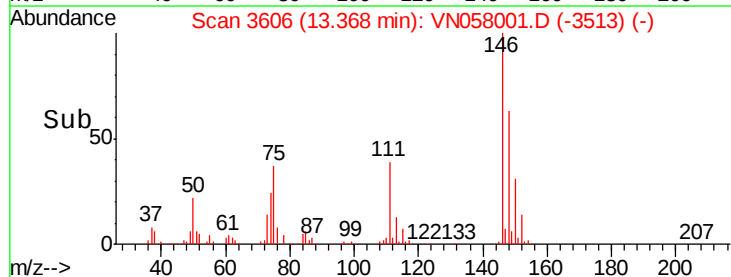
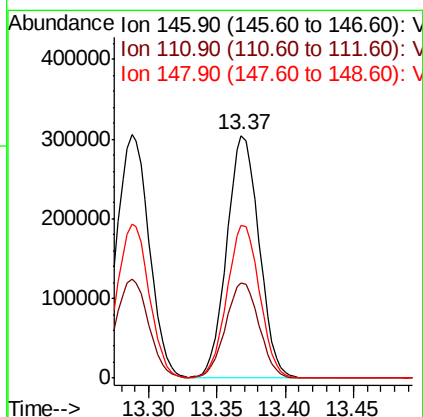
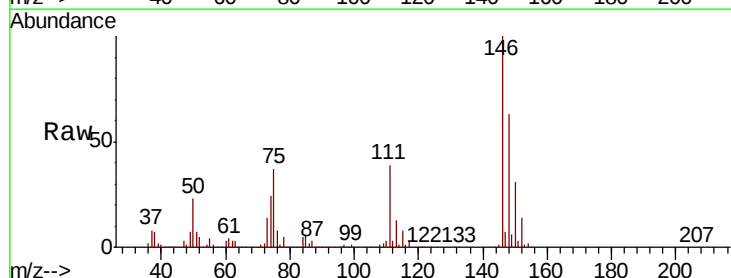
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

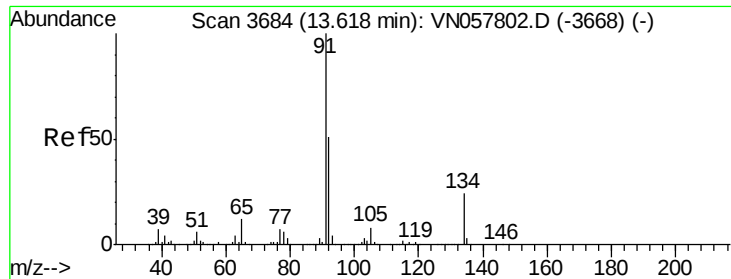
Tgt Ion:146 Resp: 509632
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.5 61.6
 148 62.5 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 46.903 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion:146 Resp: 500719
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.4 61.2
 148 63.9 31.8 95.4





#89

n-Butylbenzene

Concen: 48.735 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

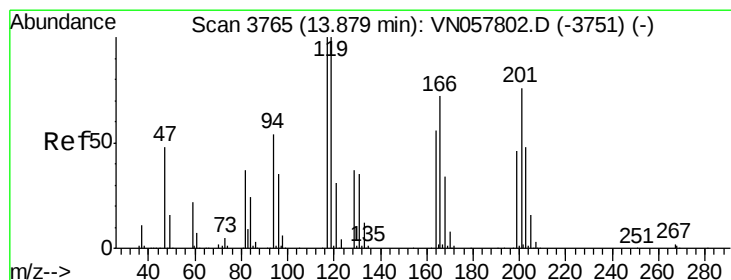
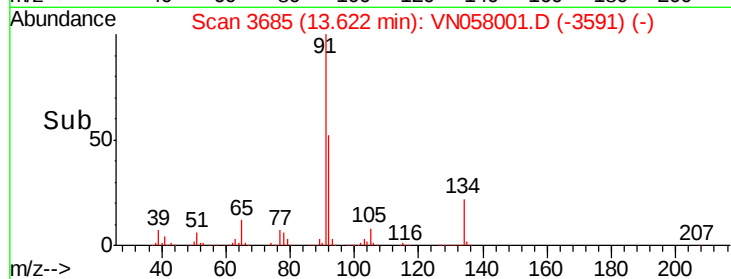
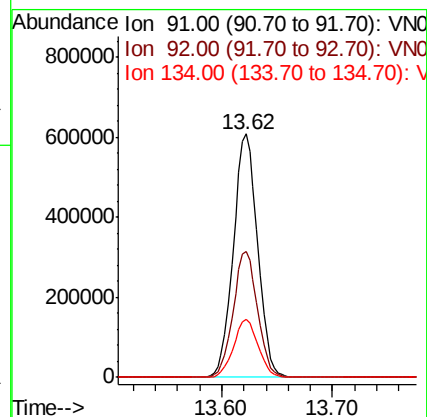
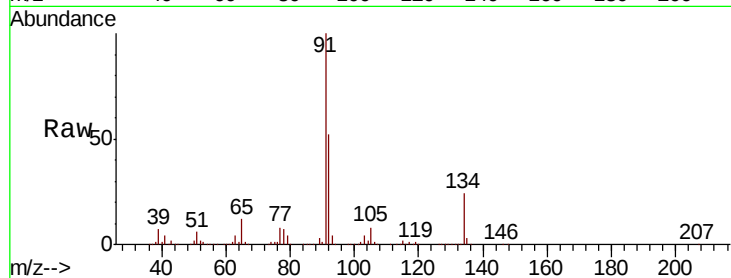
Tgt Ion: 91 Resp: 927744

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.0

134 24.1 11.9 35.7



#90

Hexachloroethane

Concen: 49.285 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058001.D

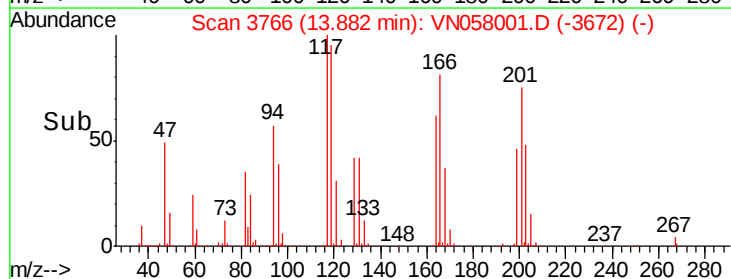
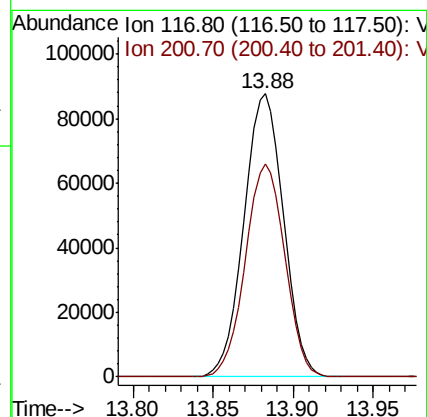
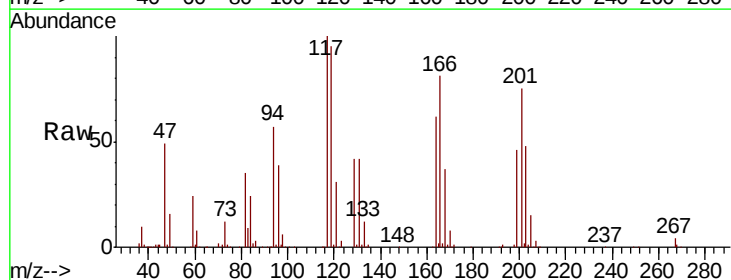
Acq: 13 Sep 2019 3:27

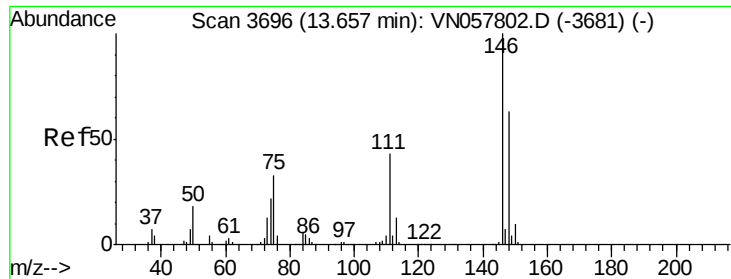
Tgt Ion: 117 Resp: 147753

Ion Ratio Lower Upper

117 100

201 75.1 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 49.075 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

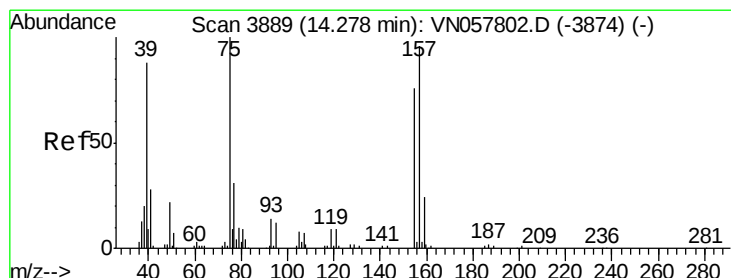
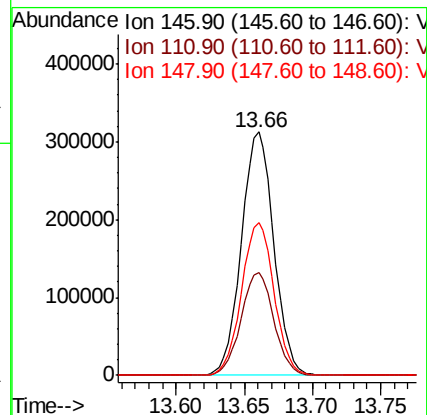
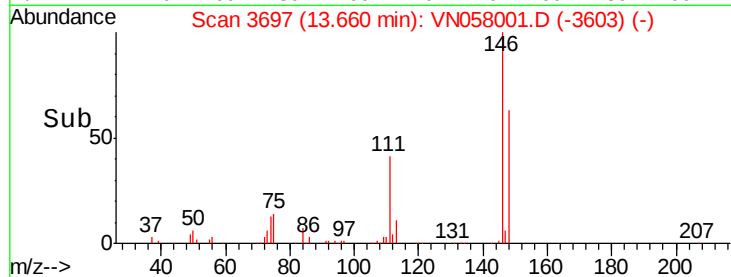
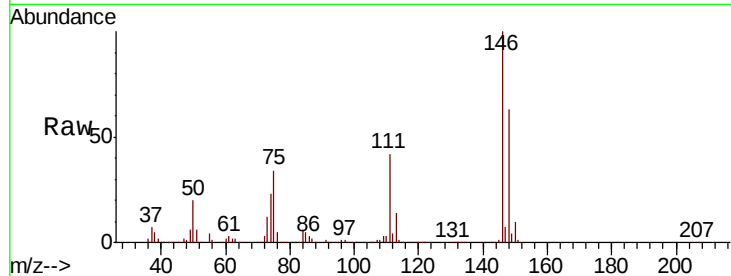
Tgt Ion: 146 Resp: 515631

Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.9

148 63.1 31.4 94.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.525 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

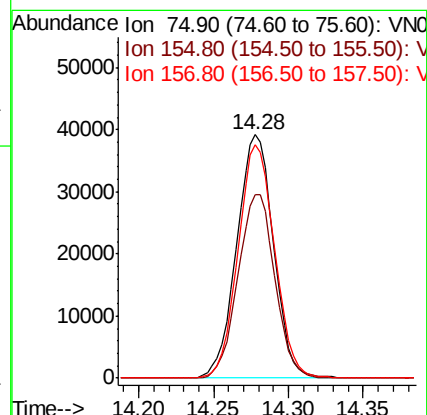
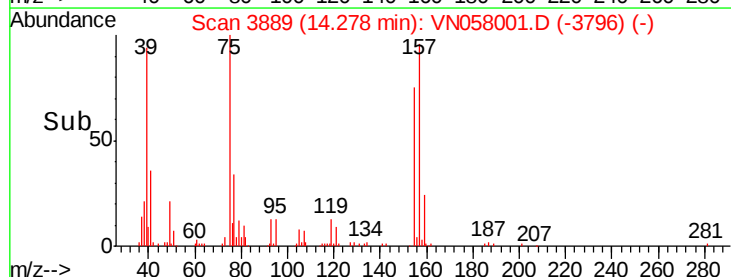
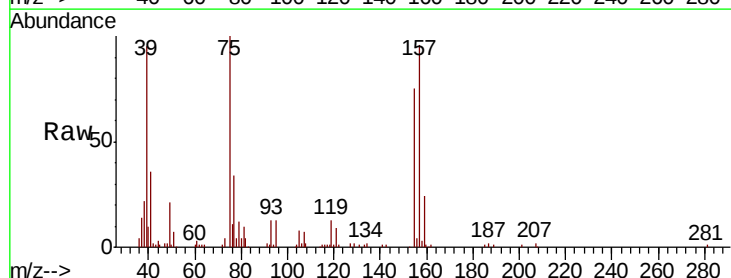
Tgt Ion: 75 Resp: 67121

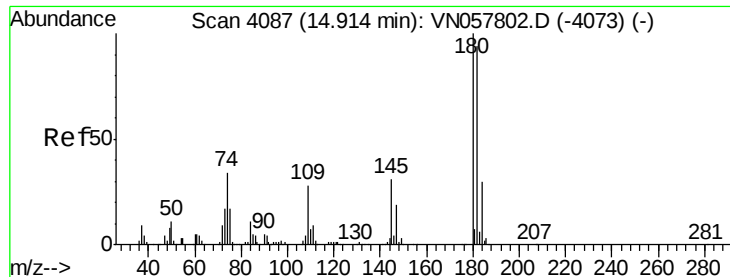
Ion Ratio Lower Upper

75 100

155 75.5 37.3 111.8

157 95.0 47.9 143.8

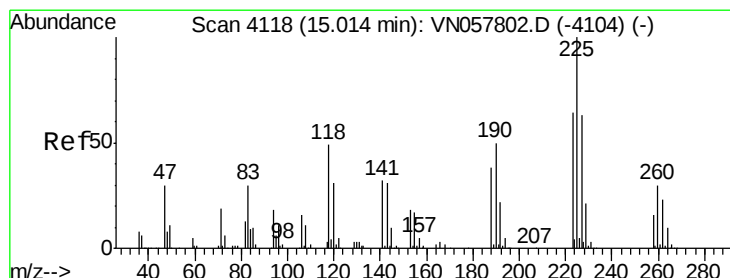
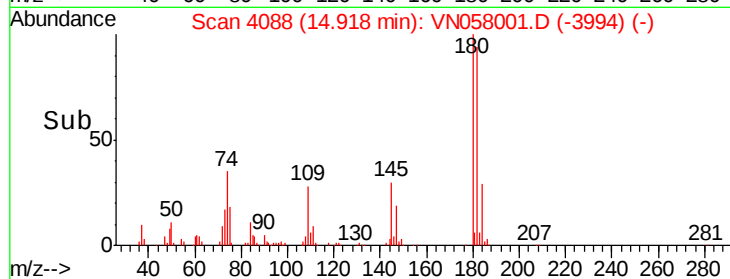
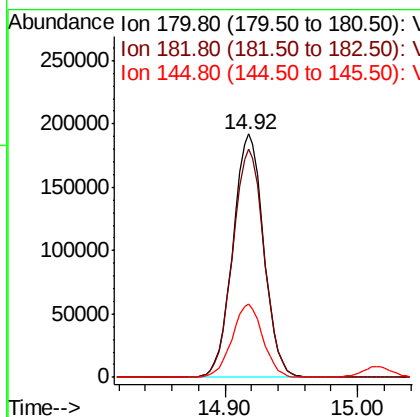
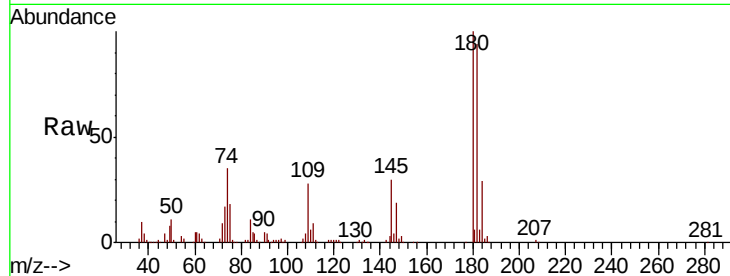




#93
 1,2,4-Trichlorobenzene
 Concen: 45.012 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

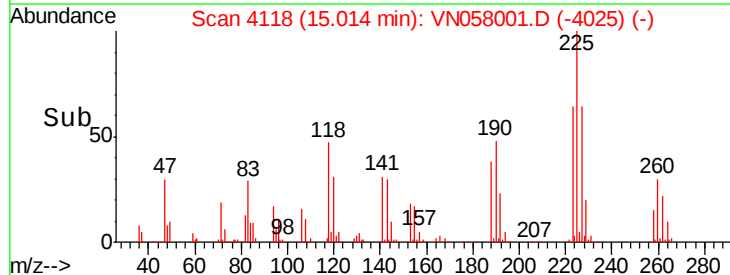
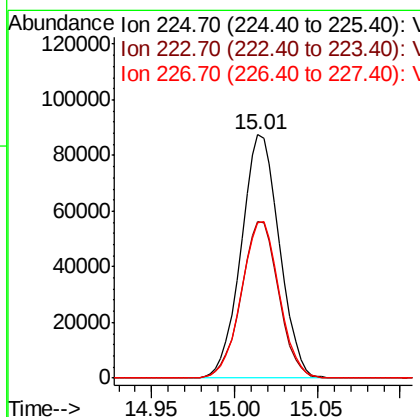
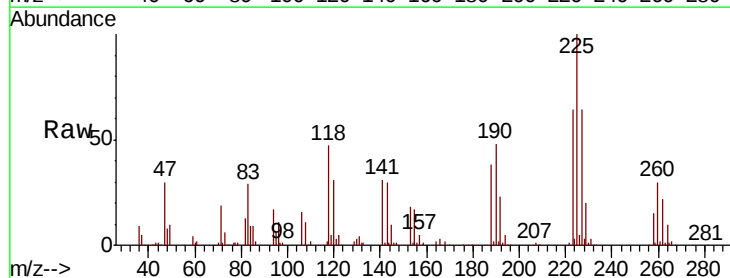
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

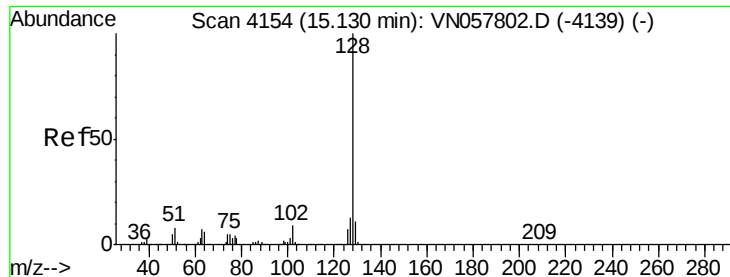
Tgt Ion:180 Resp: 309128
 Ion Ratio Lower Upper
 180 100
 182 95.6 46.9 140.8
 145 30.0 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 48.004 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058001.D
 Acq: 13 Sep 2019 3:27

Tgt Ion:225 Resp: 139751
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.4 97.2
 227 63.8 31.8 95.4





#95

Naphthalene

Concen: 50.698 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

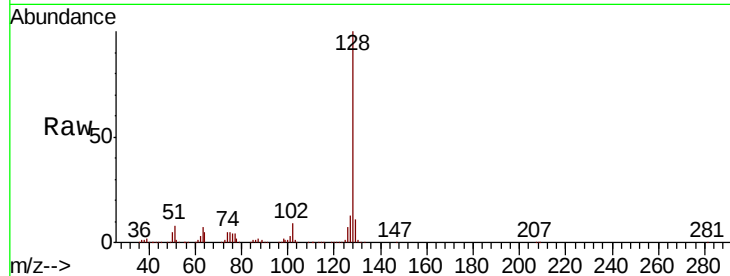
Tgt Ion:128 Resp: 878614

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

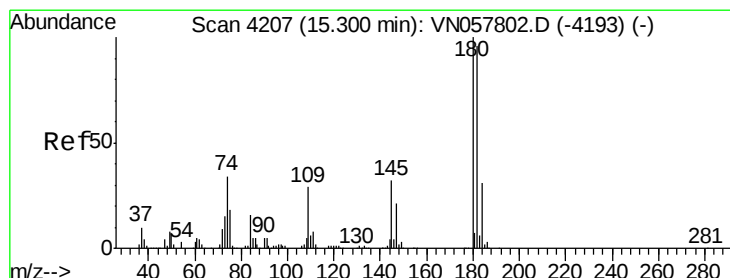
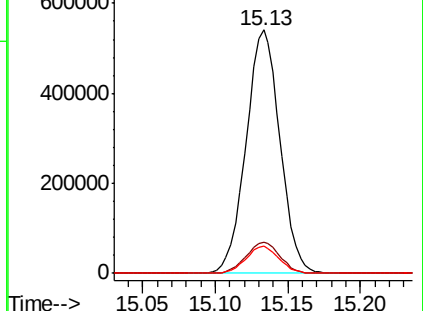
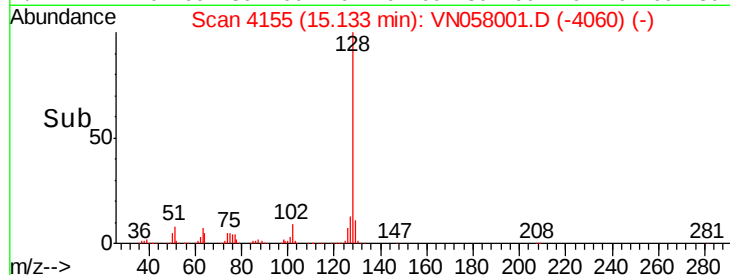
129 10.9 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 49.214 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058001.D

Acq: 13 Sep 2019 3:27

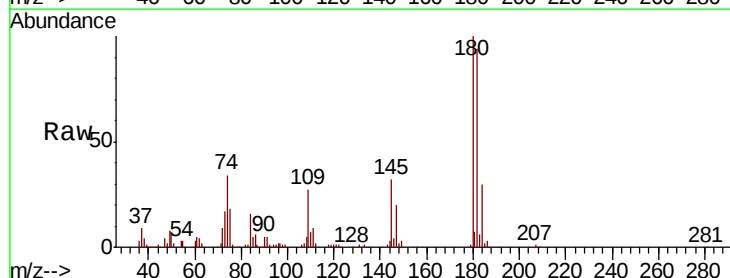
Tgt Ion:180 Resp: 294967

Ion Ratio Lower Upper

180 100

182 95.1 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

