

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056941.D
 Acq On : 26 Jul 2019 10:34
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 27 00:03:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	628137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	914946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	797460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	349948	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	339290	52.53	ug/l	0.00
Spiked Amount						
			Recovery	=	105.06%	
35) Dibromofluoromethane	7.57	113	308634	53.19	ug/l	0.00
Spiked Amount						
			Recovery	=	106.38%	
50) Toluene-d8	10.08	98	1169659	53.06	ug/l	0.00
Spiked Amount						
			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.39	95	382303	53.17	ug/l	0.00
Spiked Amount						
			Recovery	=	106.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	346988	52.361	ug/l	100
3) Chloromethane	2.05	50	369046	46.744	ug/l	100
4) Vinyl Chloride	2.18	62	359683	48.070	ug/l	100
5) Bromomethane	2.55	94	213423	47.217	ug/l	100
6) Chloroethane	2.69	64	195670	47.190	ug/l	100
7) Trichlorofluoromethane	3.00	101	474046	48.576	ug/l	100
8) Diethyl Ether	3.39	74	178651	48.892	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	294600	48.858	ug/l	100
10) Methyl Iodide	3.94	142	421799	48.390	ug/l	100
11) Tert butyl alcohol	4.77	59	231304	247.437	ug/l	100
12) 1,1-Dichloroethene	3.72	96	281616	48.600	ug/l	100
13) Acrolein	3.59	56	111770	217.066	ug/l	100
14) Allyl chloride	4.30	41	466507	49.534	ug/l	100
15) Acrylonitrile	4.96	53	696640	260.773	ug/l	100
16) Acetone	3.80	43	630250	282.973	ug/l	100
17) Carbon Disulfide	4.04	76	735210	47.303	ug/l	100
18) Methyl Acetate	4.31	43	382288	49.391	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	863509	50.449	ug/l	100
20) Methylene Chloride	4.53	84	316688	45.865	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	297295	47.969	ug/l	100
22) Diisopropyl ether	5.93	45	940541	49.201	ug/l	100
23) Vinyl Acetate	5.88	43	3465151	261.685	ug/l	100
24) 1,1-Dichloroethane	5.83	63	546062	48.542	ug/l	100
25) 2-Butanone	6.82	43	934958	273.554	ug/l	100
26) 2,2-Dichloropropane	6.81	77	416789	50.382	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	346650	49.000	ug/l	100
28) Bromochloromethane	7.18	49	243925	47.252	ug/l	100
29) Tetrahydrofuran	7.19	42	604793	270.513	ug/l	100
30) Chloroform	7.36	83	536474	46.323	ug/l	100
31) Cyclohexane	7.64	56	518979	47.429	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	444898	48.059	ug/l	100
36) 1,1-Dichloropropene	7.78	75	409997	49.654	ug/l	100
37) Ethyl Acetate	6.91	43	366021	53.992	ug/l	100
38) Carbon Tetrachloride	7.76	117	398146	50.641	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	537045	53.199	ug/l	100
40) Benzene	8.03	78	1254981	48.931	ug/l	100
41) Methacrylonitrile	7.15	41	150225	49.816	ug/l	100
42) 1,2-Dichloroethane	8.11	62	385467	48.733	ug/l	100
43) Isopropyl Acetate	8.15	43	582414	52.518	ug/l	100
44) Trichloroethene	8.82	130	339897	48.757	ug/l	100
45) 1,2-Dichloropropane	9.11	63	332757	48.389	ug/l	100
46) Dibromomethane	9.20	93	208558	50.217	ug/l	100
47) Bromodichloromethane	9.39	83	408738	50.354	ug/l	100
48) Methyl methacrylate	9.19	41	283529	53.538	ug/l	100
49) 1,4-Dioxane	9.19	88	110467	1008.064	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1755823	266.308	ug/l	100
52) Toluene	10.15	92	769223	50.134	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	431662	52.595	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	498177	51.740	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	303305	49.108	ug/l	100
56) Ethyl methacrylate	10.42	69	444506	53.326	ug/l	100
57) 1,3-Dichloropropane	10.70	76	503676	49.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	959448	289.881	ug/l	100
59) 2-Hexanone	10.74	43	1271095	280.604	ug/l	100
60) Dibromochloromethane	10.89	129	328777	52.164	ug/l	100
61) 1,2-Dibromoethane	11.00	107	308373	50.463	ug/l	100
64) Tetrachloroethene	10.62	164	332324	46.653	ug/l	100
65) Chlorobenzene	11.43	112	811639	49.333	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	310489	50.549	ug/l	100
67) Ethyl Benzene	11.50	91	1443302	50.970	ug/l	100
68) m/p-Xylenes	11.61	106	1082797	102.668	ug/l	100
69) o-Xylene	11.94	106	520541	50.442	ug/l	100
70) Styrene	11.96	104	872929	53.397	ug/l	100
71) Bromoform	12.12	173	233644	54.201	ug/l	100
73) Isopropylbenzene	12.24	105	1400946	44.667	ug/l	100
74) N-amyl acetate	12.06	43	452108	48.812	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	409443	44.797	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	494073	72.105	ug/l #	100
77) Bromobenzene	12.52	156	366474	45.625	ug/l	100
78) n-propylbenzene	12.58	91	1560453	47.086	ug/l	100
79) 2-Chlorotoluene	12.67	91	920579	44.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1174326	45.337	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	119137	53.615	ug/l	100
82) 4-Chlorotoluene	12.77	91	907845	47.948	ug/l	100
83) tert-Butylbenzene	12.99	119	1011066	44.241	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1150284	46.954	ug/l	100
85) sec-Butylbenzene	13.17	105	1343531	46.556	ug/l	100
86) p-Isopropyltoluene	13.28	119	1230140	48.177	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	594263	49.520	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	573474	49.758	ug/l	100
89) n-Butylbenzene	13.61	91	991962	50.265	ug/l	100
90) Hexachloroethane	13.87	117	204298	44.918	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	587734	48.313	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	64260	51.468	ug/l	100

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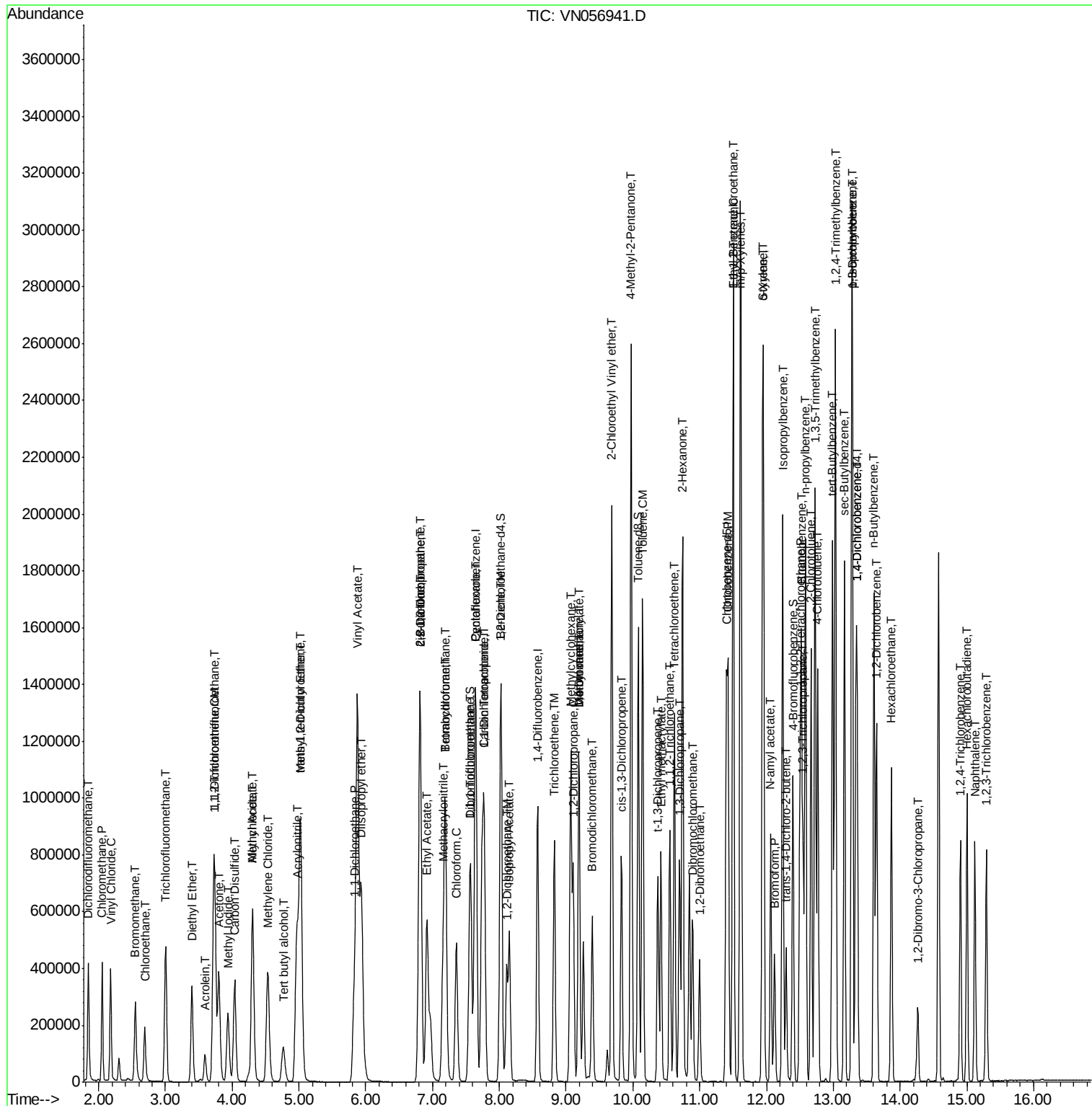
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	296616	58.428	ug/l	100
94) Hexachlorobutadiene	15.00	225	221332	44.848	ug/l	100
95) Naphthalene	15.12	128	709266	56.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	300066	55.065	ug/l	100

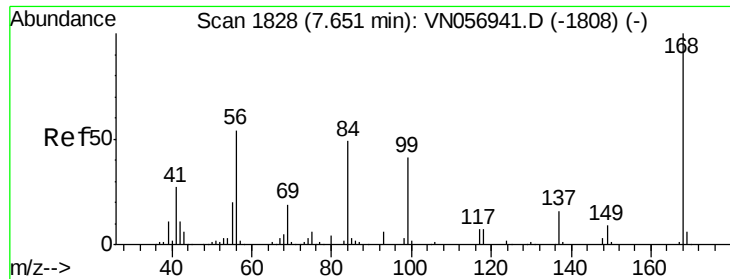
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

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Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

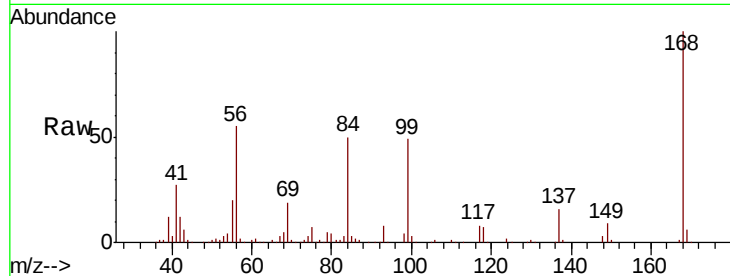
VSTDICCC050

Tot Ion:168 Resp: 628137

Ion Ratio Lower Upper

168 100

99 48.7 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

150000

100000

50000

0

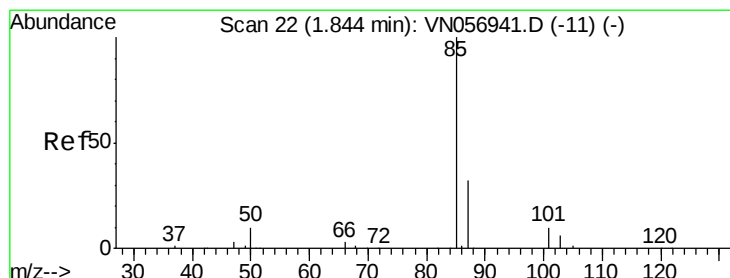
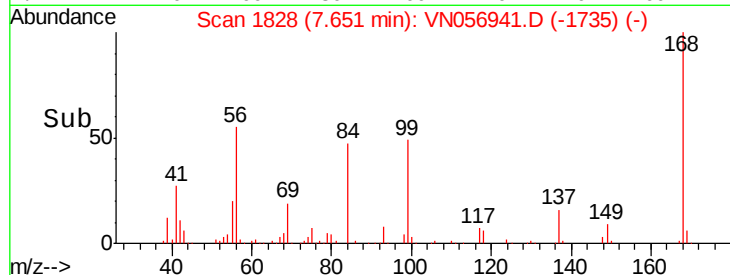
Time-->

7.50

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 52.361 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN056941.D

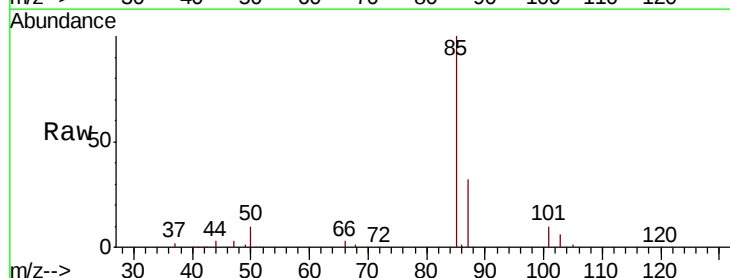
Acq: 26 Jul 2019 10:34

Tgt Ion: 85 Resp: 346988

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

250000

200000

150000

100000

50000

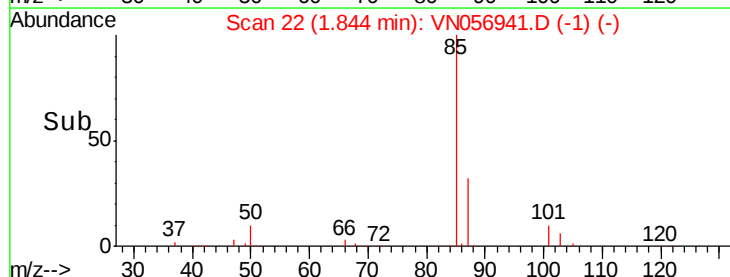
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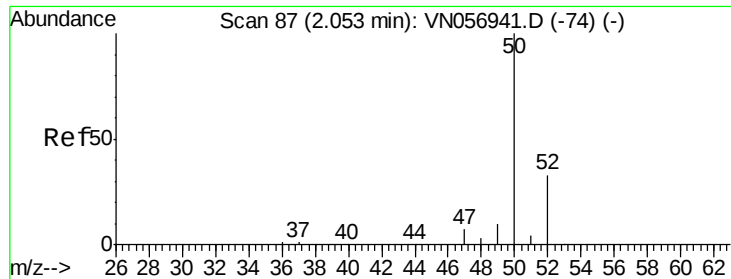
Time-->

1.80

1.90

2.00





#3

Chloromethane

Concen: 46.744 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN056941.D

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ClientSampleId :

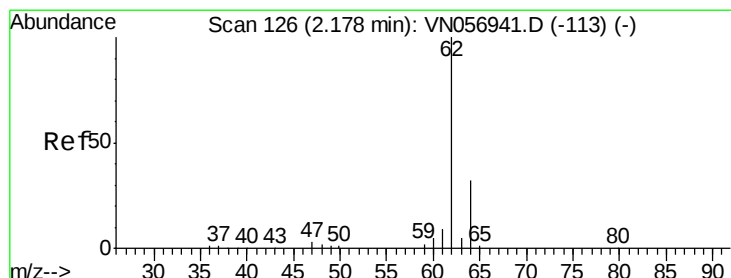
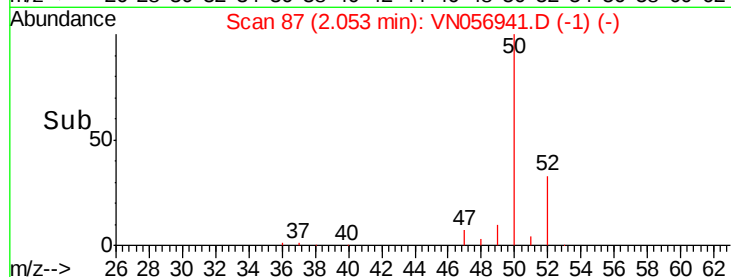
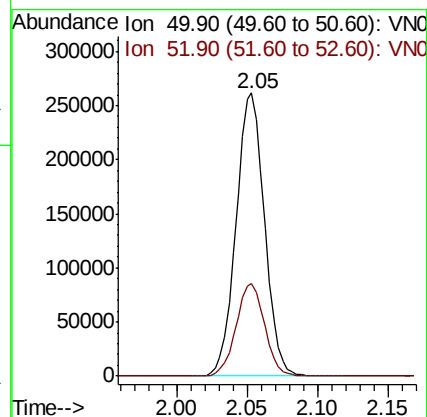
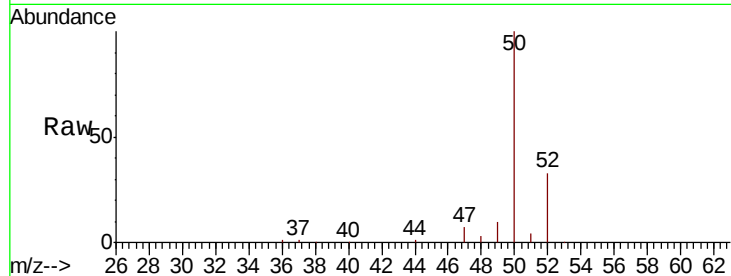
VSTDICCC050

Tot Ion: 50 Resp: 369046

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



#4

Vinyl Chloride

Concen: 48.070 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN056941.D

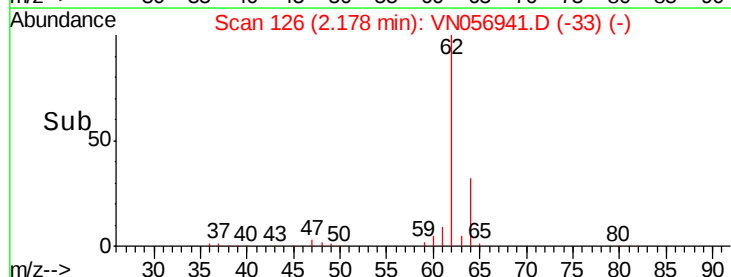
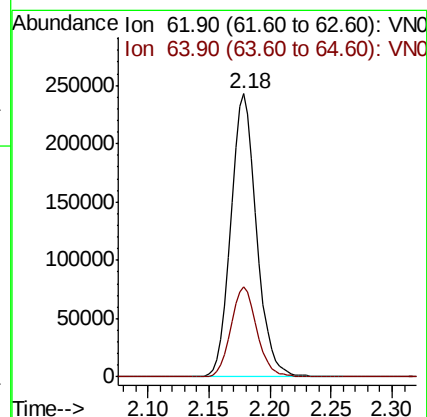
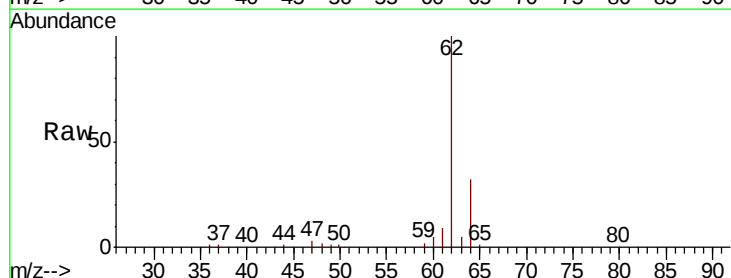
Acq: 26 Jul 2019 10:34

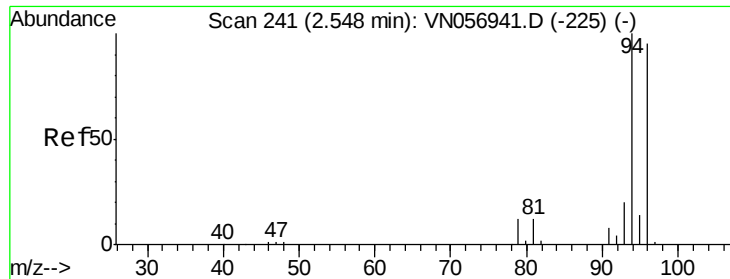
Tgt Ion: 62 Resp: 359683

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0

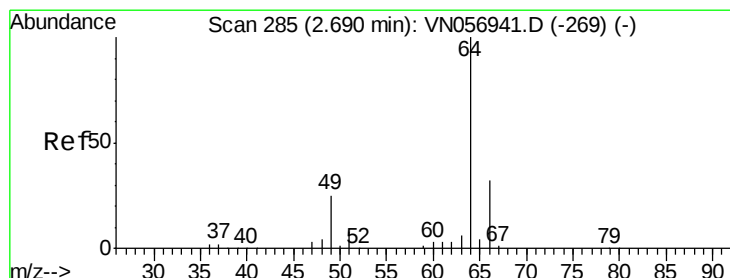
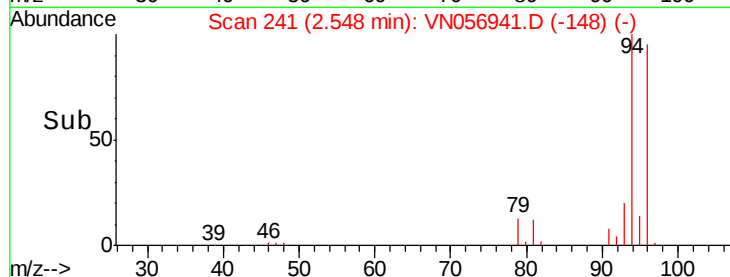
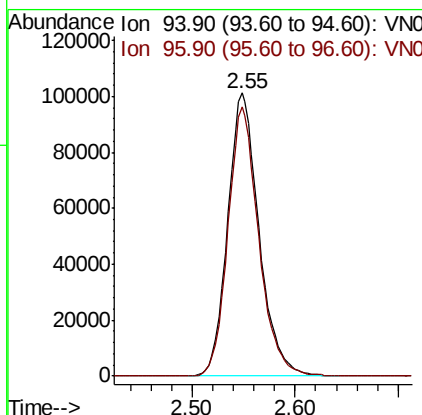
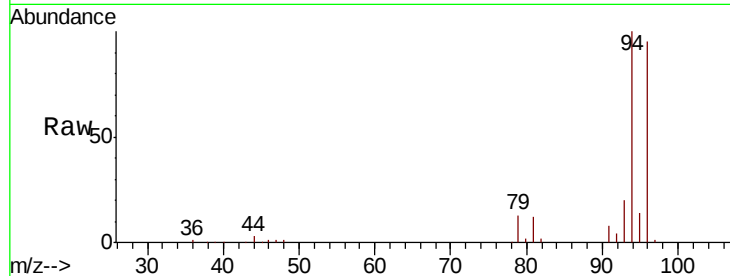




#5
 Bromomethane
 Concen: 47.217 ug/l
 RT: 2.55 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VN056941.D
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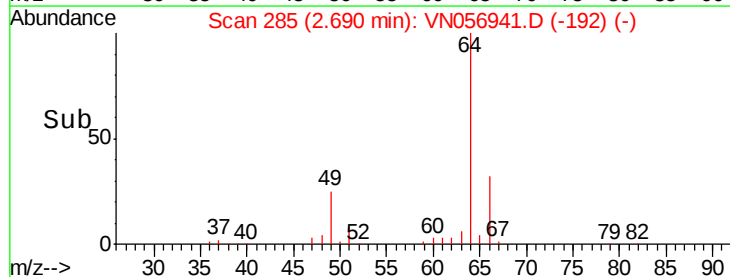
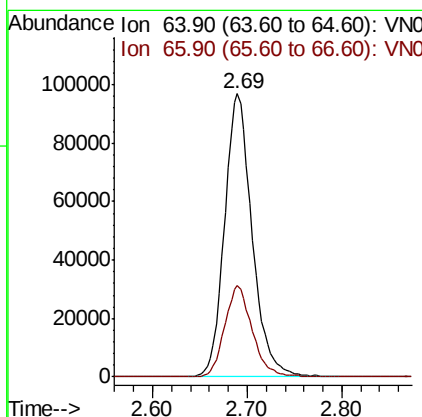
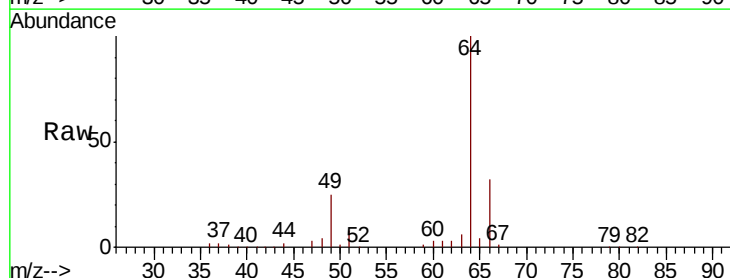
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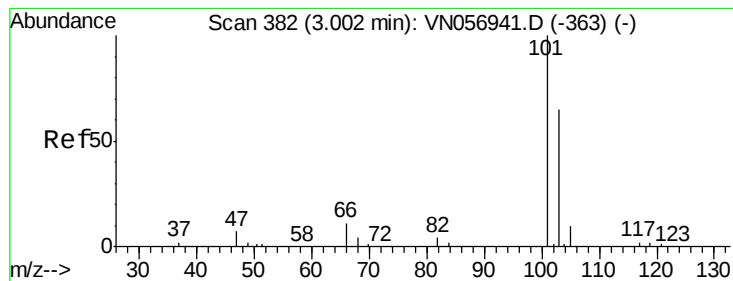
Tot Ion: 94 Resp: 213423
 Ion Ratio Lower Upper
 94 100
 96 95.2 76.2 114.2



#6
 Chloroethane
 Concen: 47.190 ug/l
 RT: 2.69 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 64 Resp: 195670
 Ion Ratio Lower Upper
 64 100
 66 32.3 25.8 38.8



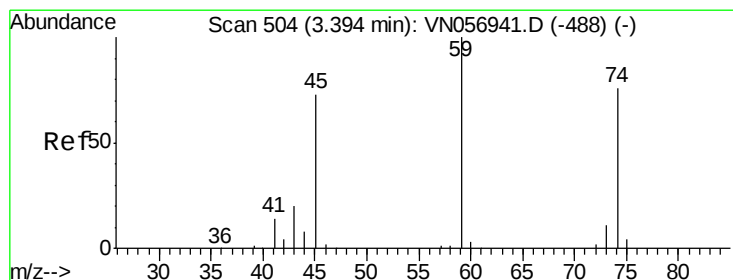
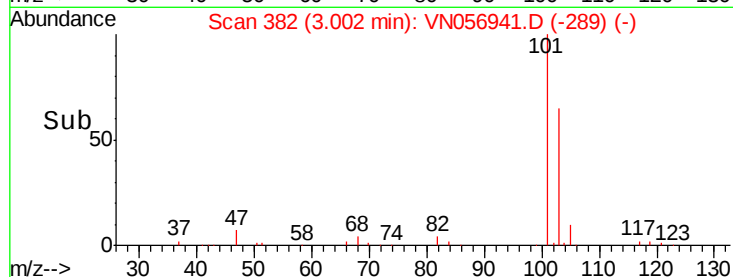
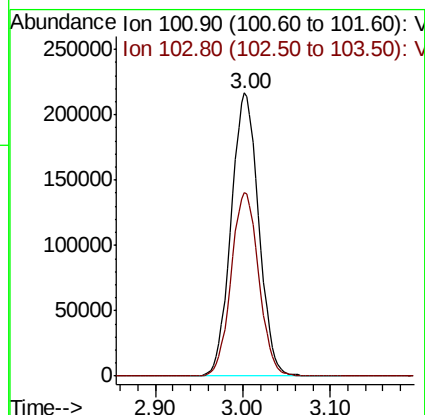
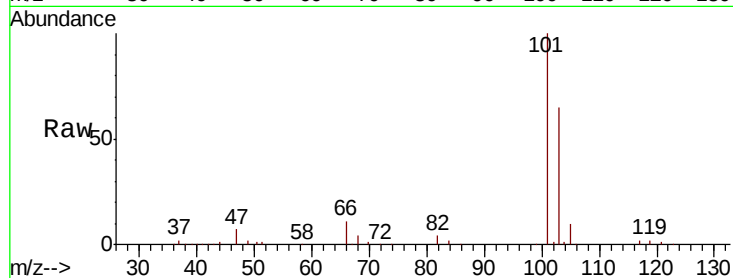


#7

Trichlorofluoromethane
Concen: 48.576 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056941.D
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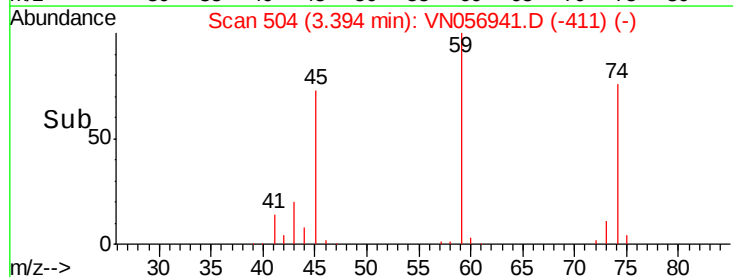
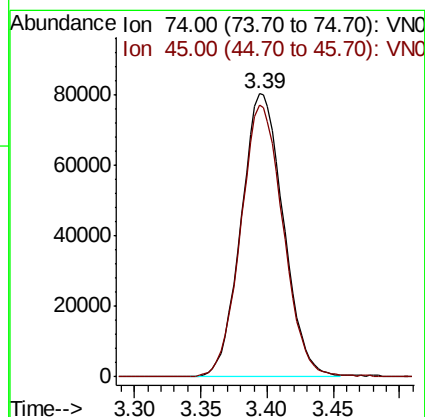
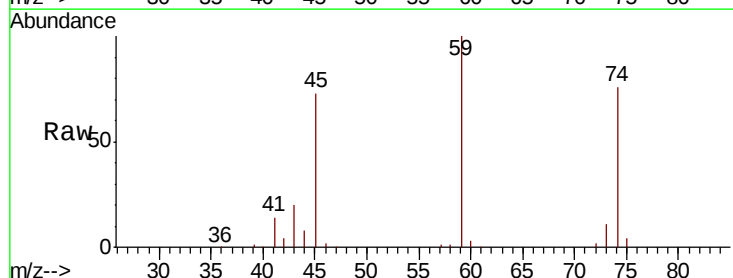
Tot Ion:101 Resp: 474046
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

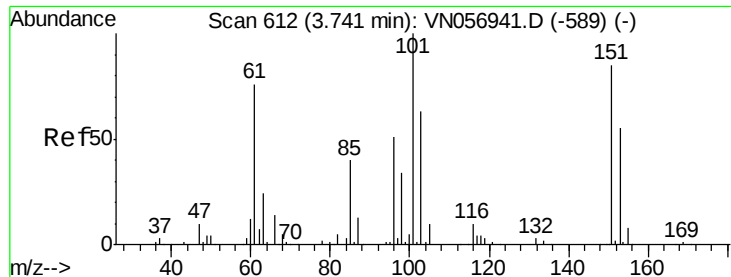


#8

Diethyl Ether
Concen: 48.892 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 74 Resp: 178651
Ion Ratio Lower Upper
74 100
45 96.2 48.1 144.3

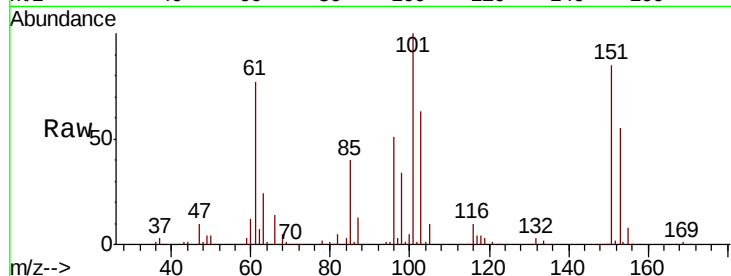




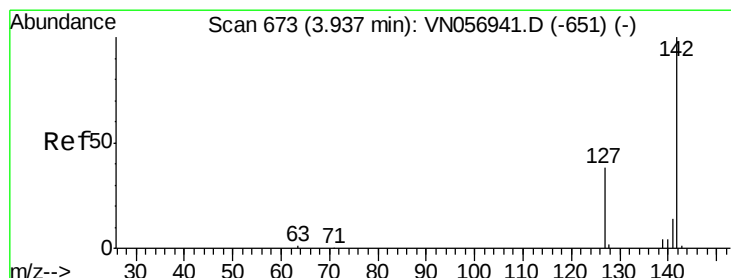
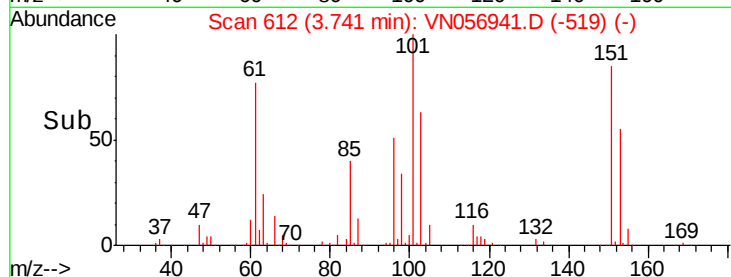
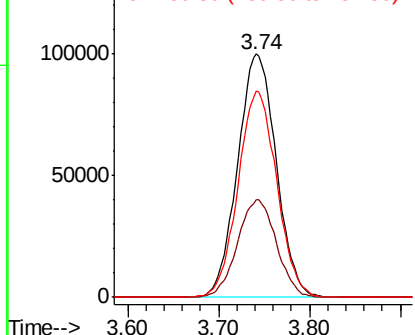
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.858 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:101 Resp: 294600
 Ion Ratio Lower Upper
 101 100
 85 40.4 32.3 48.5
 151 85.0 68.0 102.0

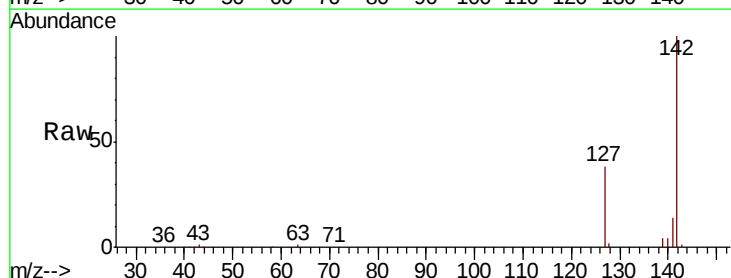


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

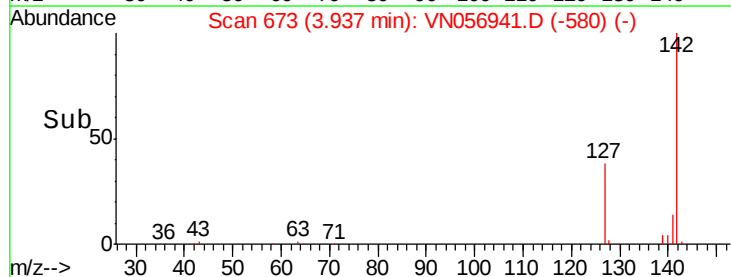
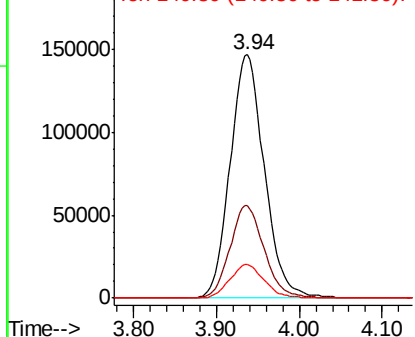


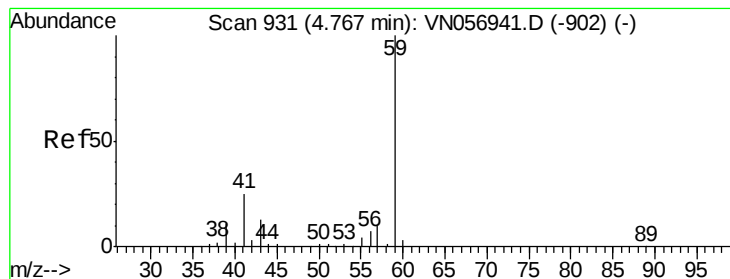
#10
 Methyl Iodide
 Concen: 48.390 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion:142 Resp: 421799
 Ion Ratio Lower Upper
 142 100
 127 38.0 30.4 45.6
 141 13.9 11.1 16.7



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



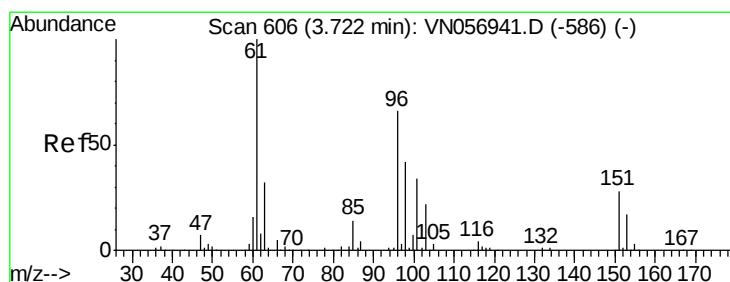
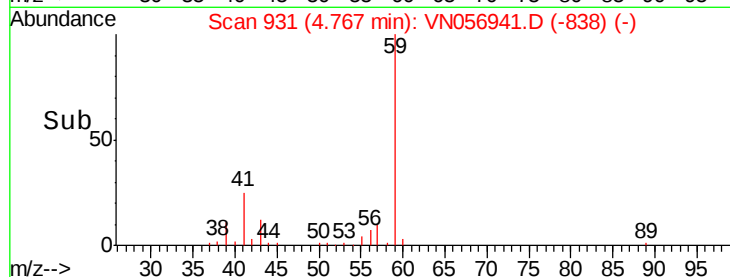
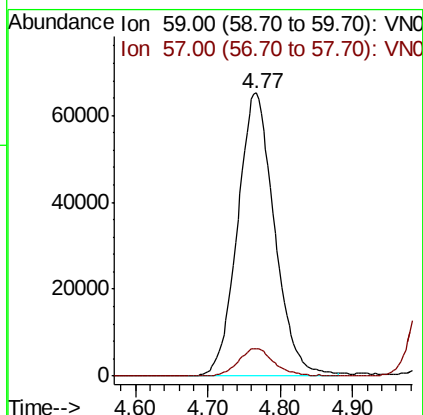
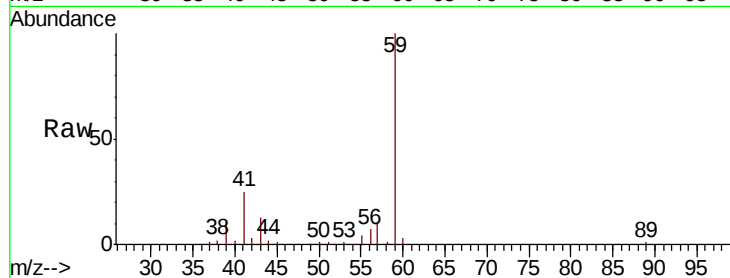


#11

Tert butyl alcohol
 Concen: 247.437 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

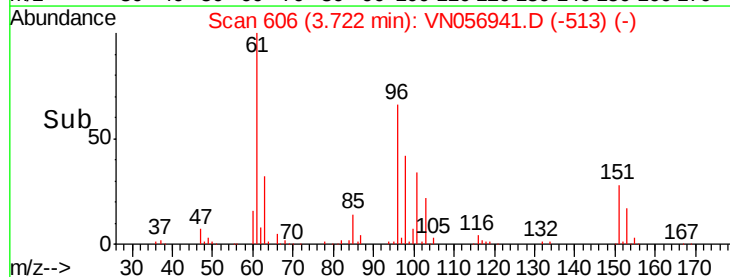
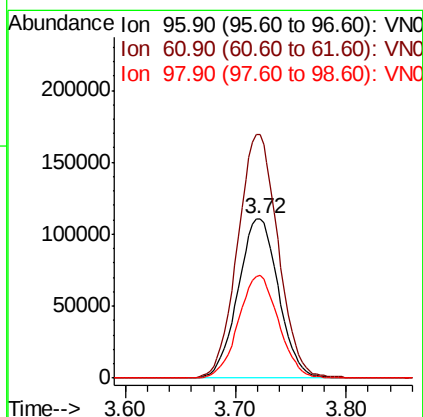
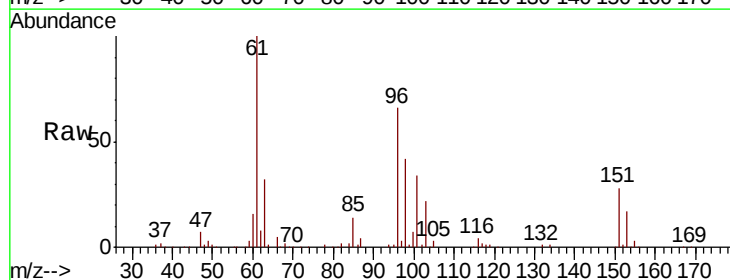
Tot Ion: 59 Resp: 231304
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.5 11.3

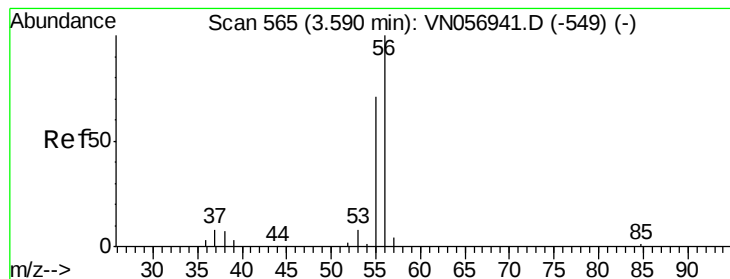


#12

1,1-Dichloroethene
 Concen: 48.600 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 96 Resp: 281616
 Ion Ratio Lower Upper
 96 100
 61 152.3 121.8 182.8
 98 64.6 51.7 77.5





#13

Acrolein

Concen: 217.066 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

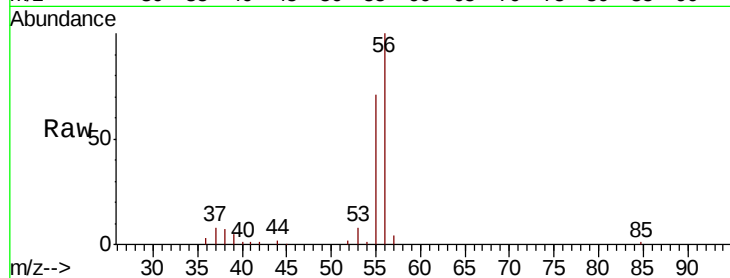
VSTDICCC050

Tot Ion: 56 Resp: 111770

Ion Ratio Lower Upper

56 100

55 69.7 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)

3.59

50000

40000

30000

20000

10000

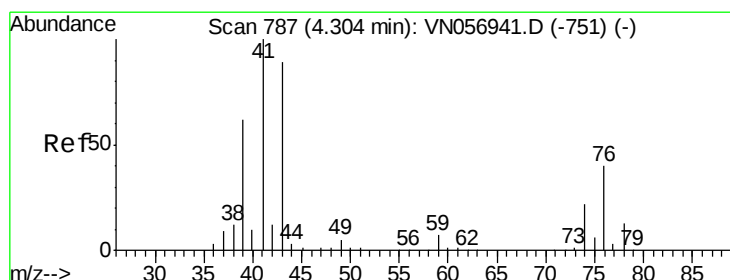
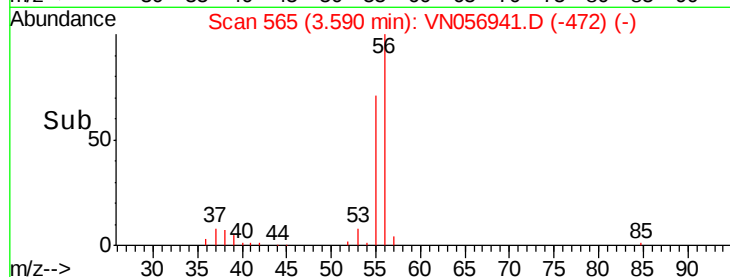
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 49.534 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

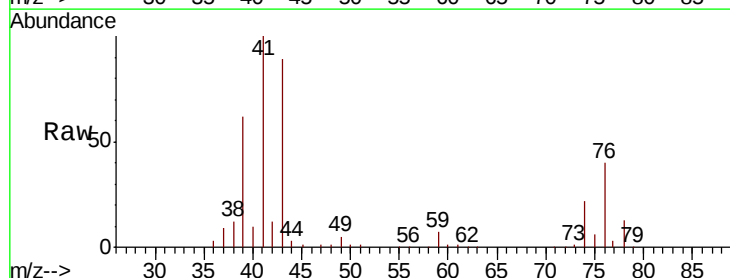
Tgt Ion: 41 Resp: 466507

Ion Ratio Lower Upper

41 100

39 58.0 46.4 69.6

76 35.5 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)

4.30

200000

150000

100000

50000

0

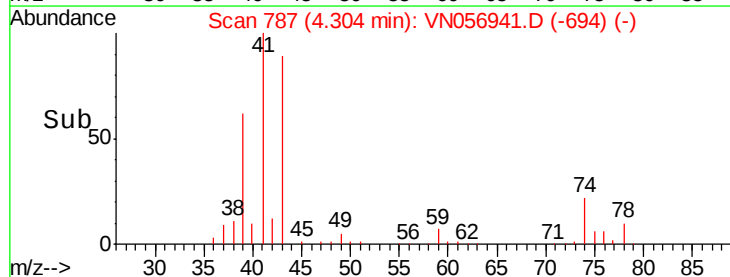
Time-->

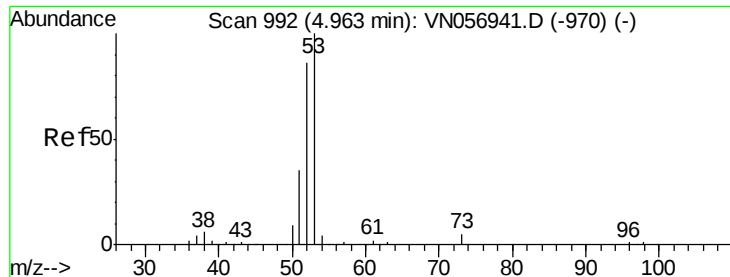
4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 260.773 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

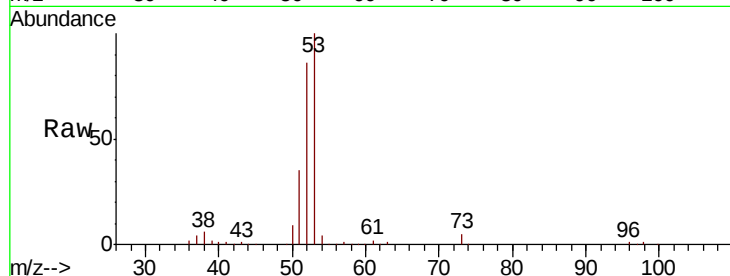
Tot Ion: 53 Resp: 696640

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

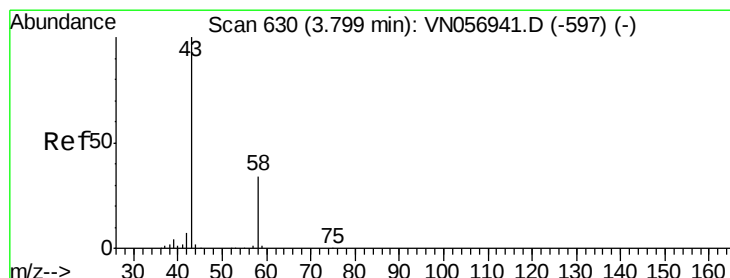
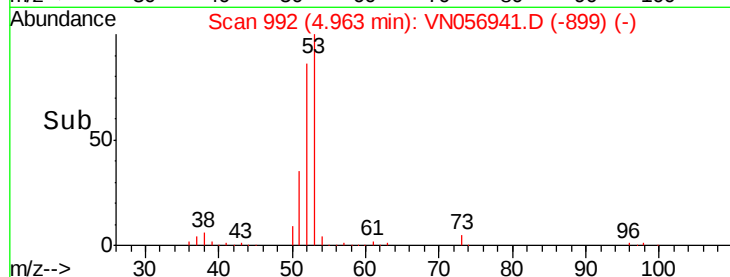
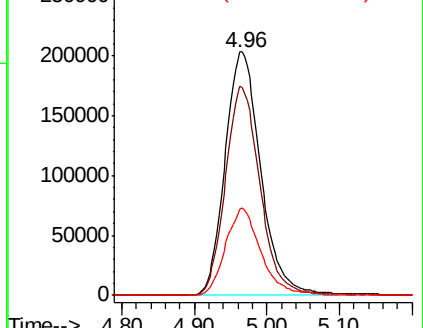
51 35.5 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 282.973 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN056941.D

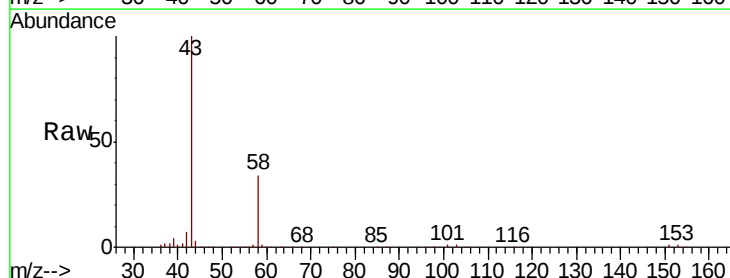
Acq: 26 Jul 2019 10:34

Tgt Ion: 43 Resp: 630250

Ion Ratio Lower Upper

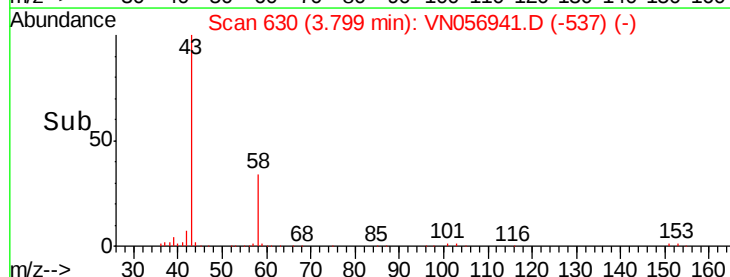
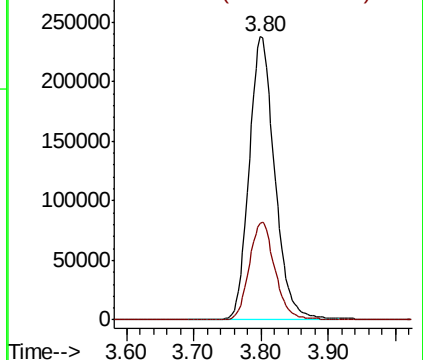
43 100

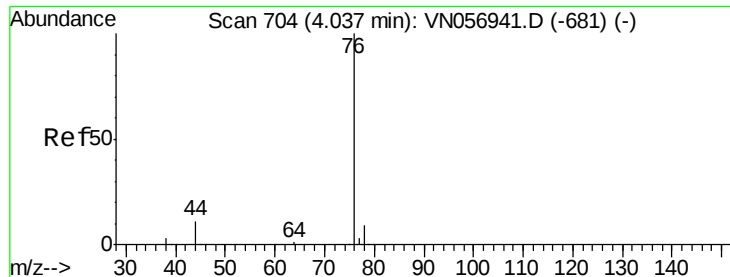
58 34.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

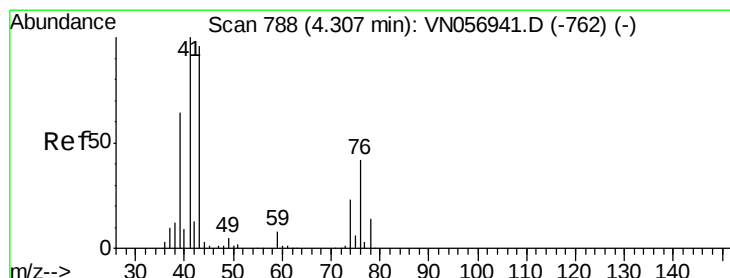
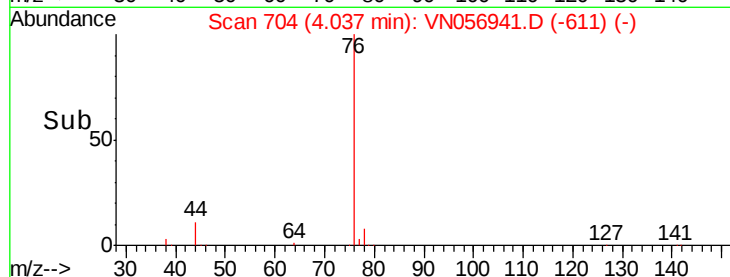
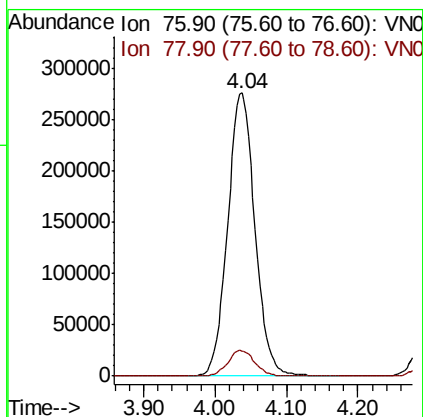
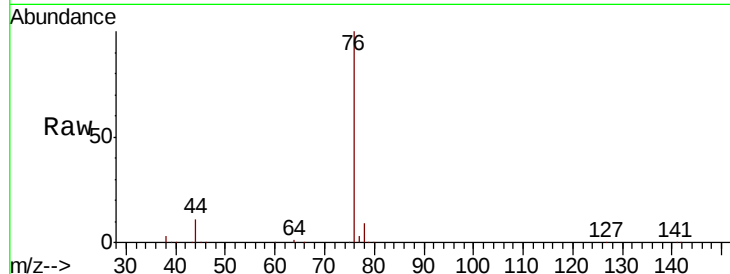




#17
Carbon Disulfide
Concen: 47.303 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

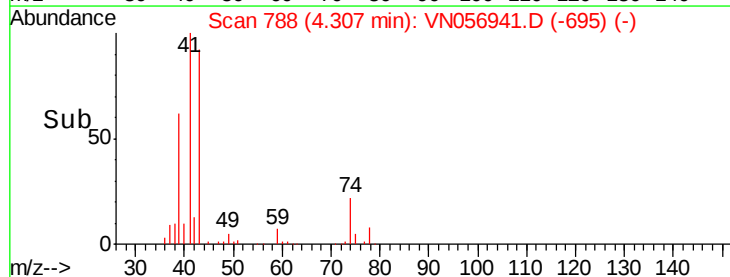
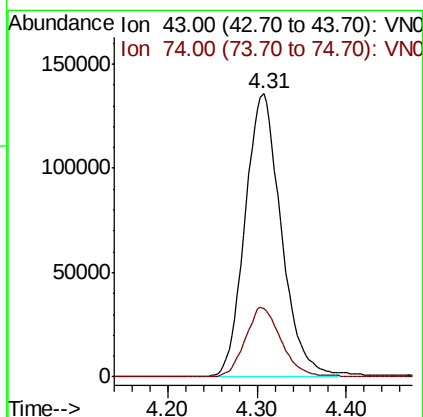
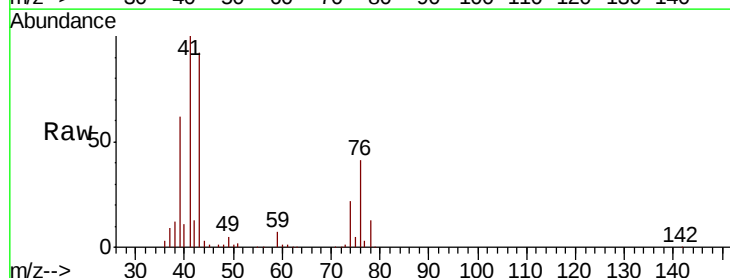
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

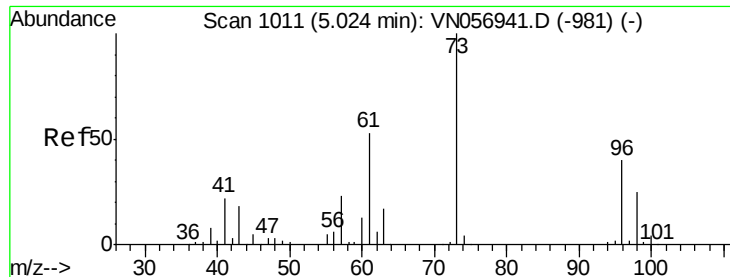
Tot Ion: 76 Resp: 735210
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 49.391 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 43 Resp: 382288
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5

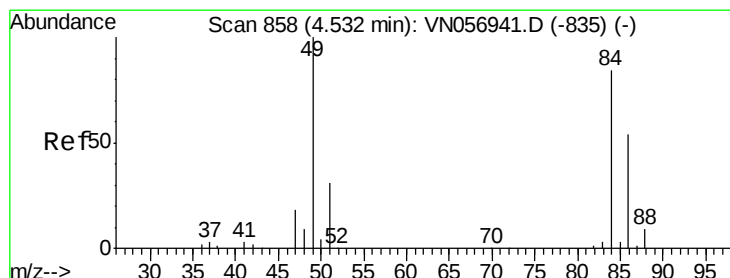
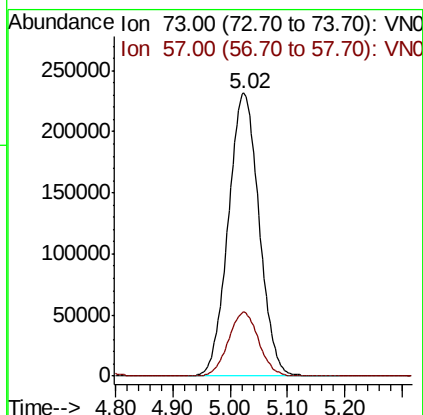
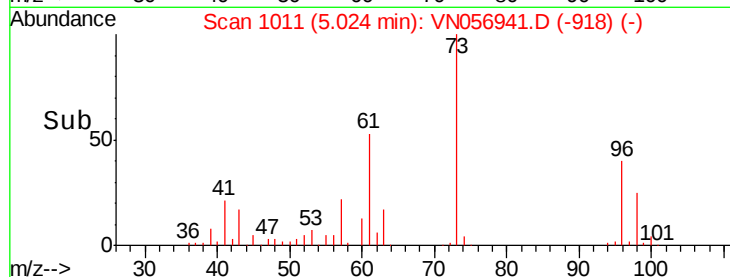
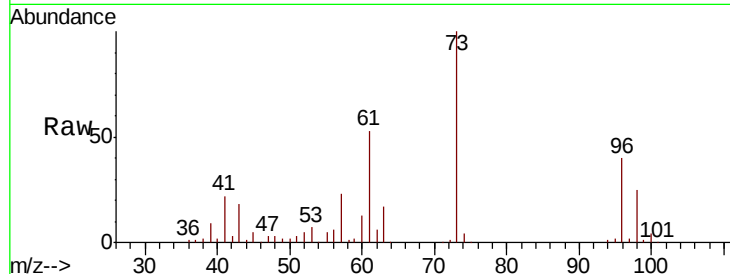




#19
Methvl tert-butvl Ether
Concen: 50.449 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

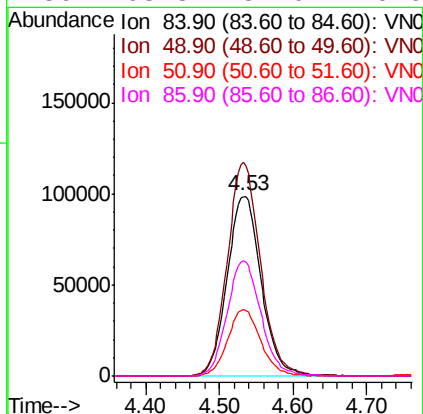
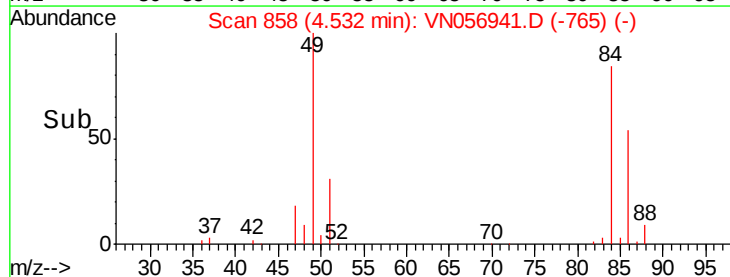
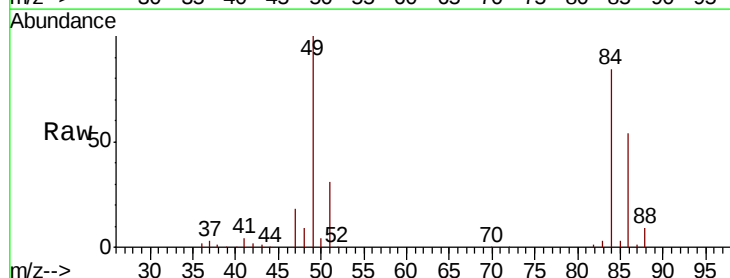
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

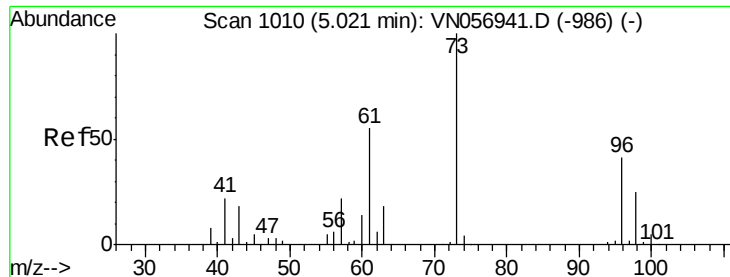
Tot Ion: 73 Resp: 863509
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5



#20
Methylene Chloride
Concen: 45.865 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 84 Resp: 316688
Ion Ratio Lower Upper
84 100
49 119.0 95.2 142.8
51 37.1 29.7 44.5
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.969 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

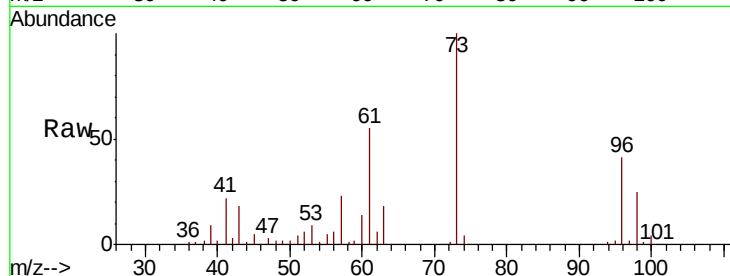
Tot Ion: 96 Resp: 297295

Ion Ratio Lower Upper

96 100

61 134.4 107.5 161.3

98 62.4 49.9 74.9

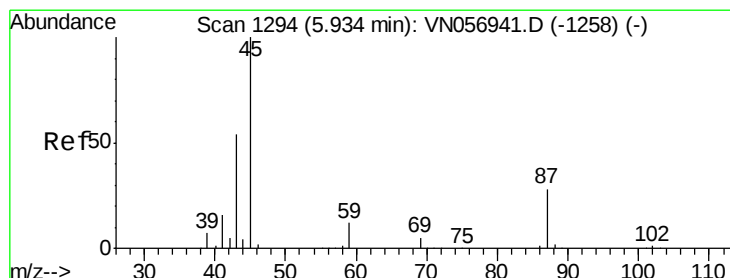
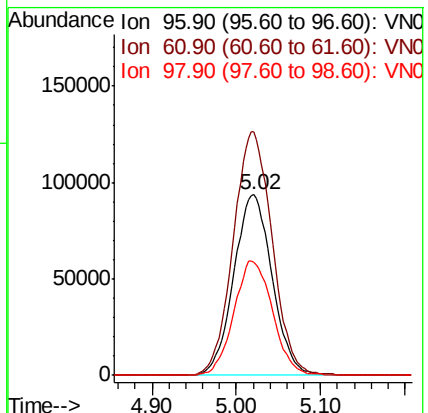
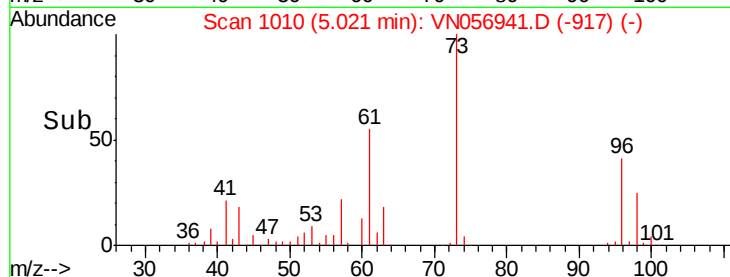


Abundance Ion 95.90 (95.60 to 96.60): VN056941.D (-986) (-)

Ion 60.90 (60.60 to 61.60): VN056941.D (-986) (-)

Ion 97.90 (97.60 to 98.60): VN056941.D (-986) (-)

Time-->



#22

Diisopropyl ether

Concen: 49.201 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion: 45 Resp: 940541

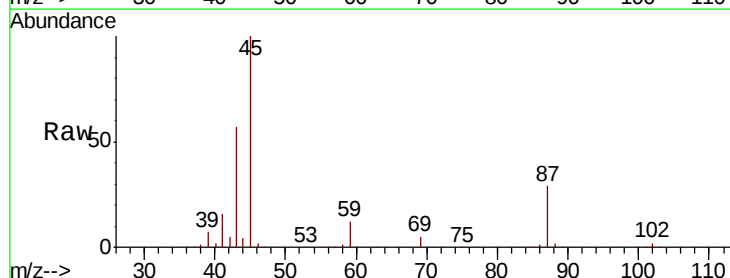
Ion Ratio Lower Upper

45 100

43 55.9 44.7 67.1

87 28.8 23.0 34.6

59 12.3 9.8 14.8



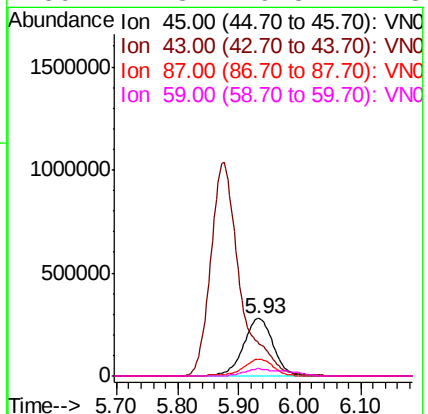
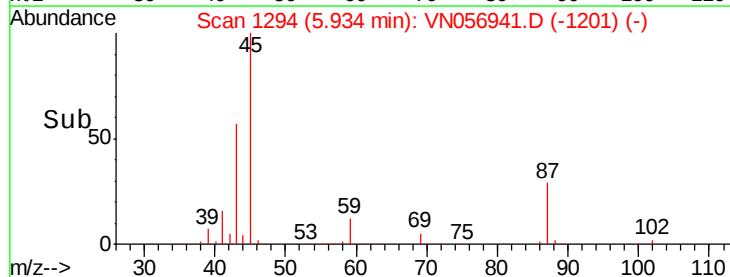
Abundance Ion 45.00 (44.70 to 45.70): VN056941.D (-1258) (-)

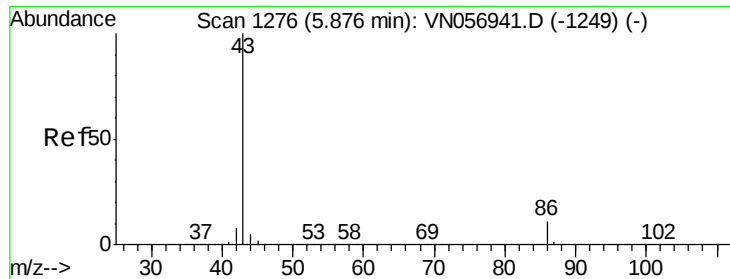
Ion 43.00 (42.70 to 43.70): VN056941.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN056941.D (-1258) (-)

Time-->

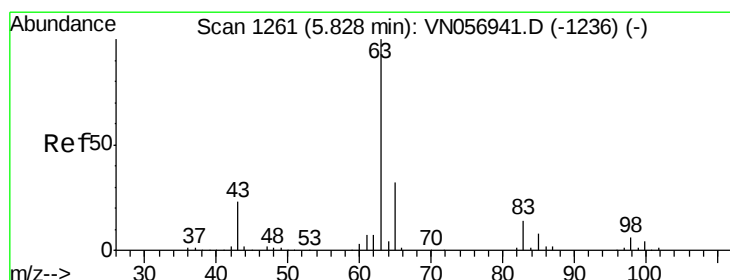
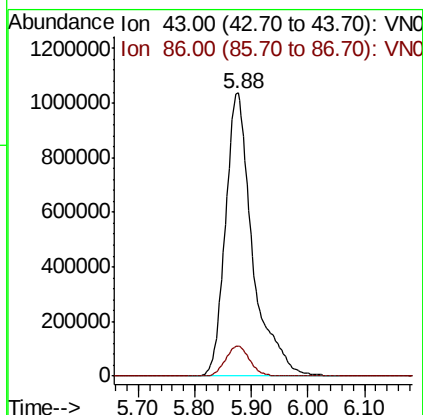
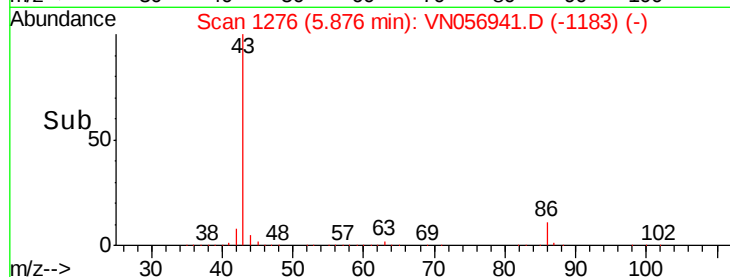
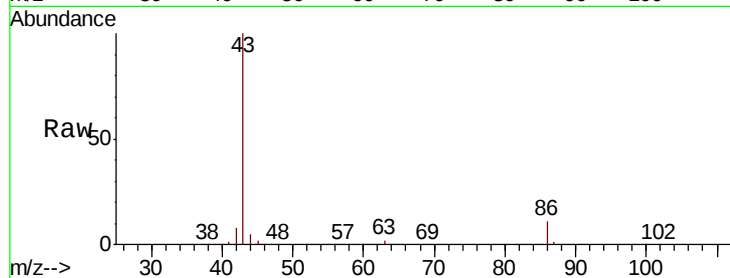




#23
 Vinyl Acetate
 Concen: 261.685 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

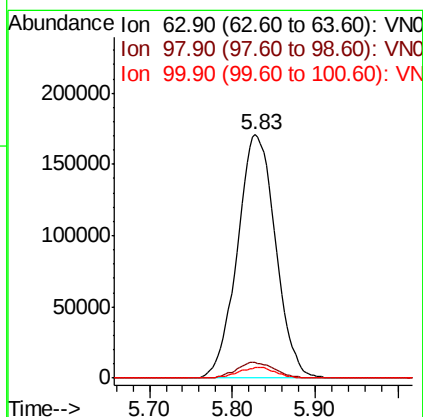
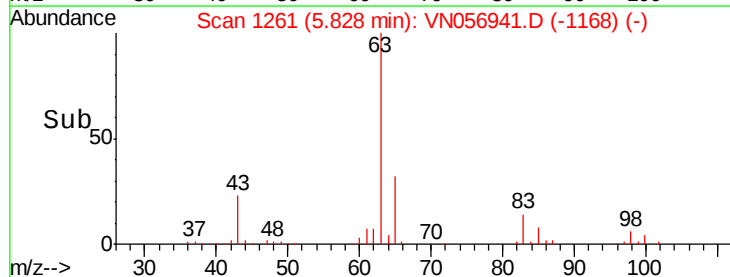
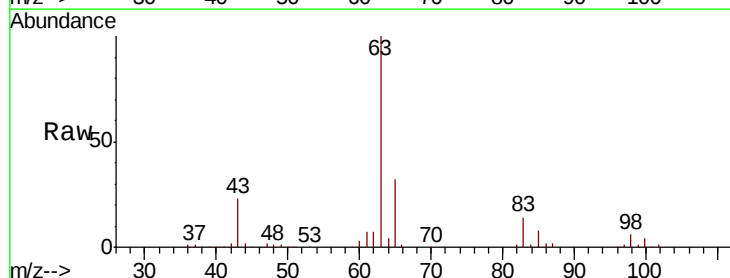
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

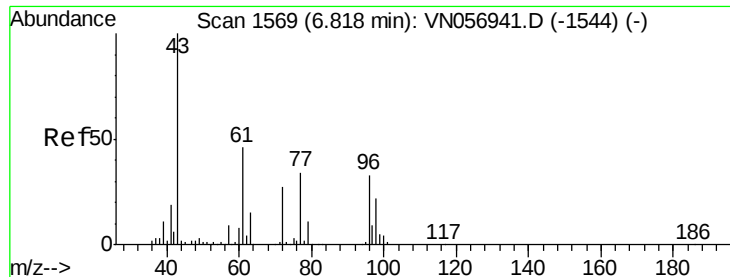
Tot Ion: 43 Resp: 3465151
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 48.542 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 63 Resp: 546062
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 273.554 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

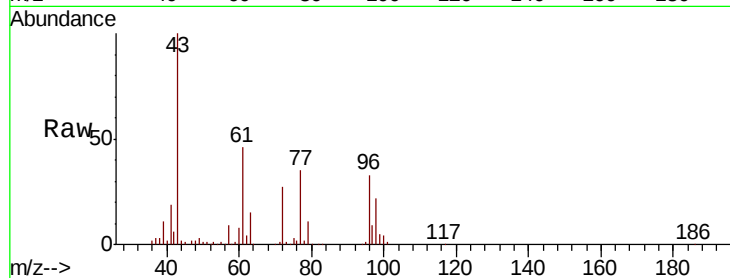
VSTDICCC050

Tot Ion: 43 Resp: 934958

Ion Ratio Lower Upper

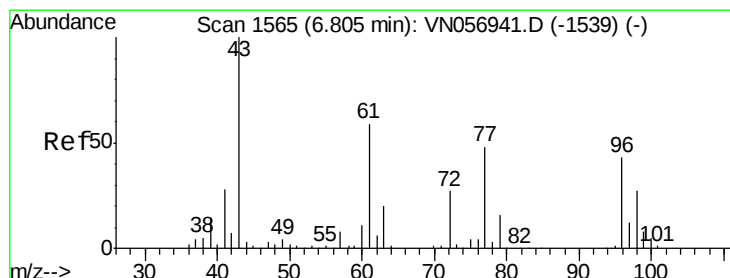
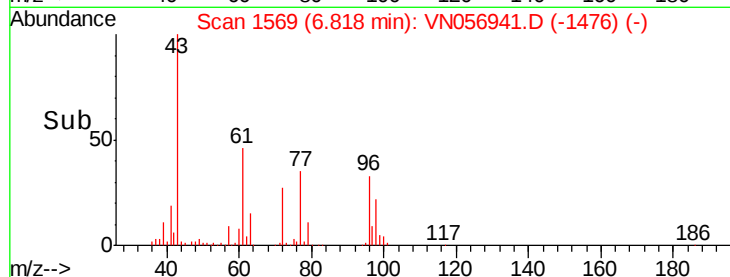
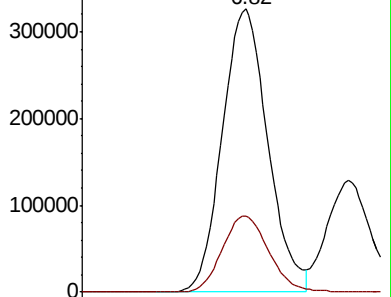
43 100

72 26.9 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN056941.D (-1544) (-)



#26

2,2-Dichloropropane

Concen: 50.382 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN056941.D

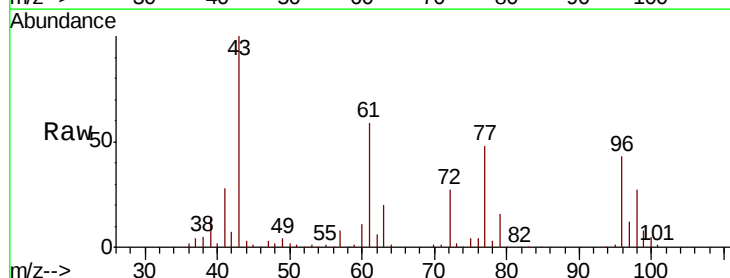
Acq: 26 Jul 2019 10:34

Tgt Ion: 77 Resp: 416789

Ion Ratio Lower Upper

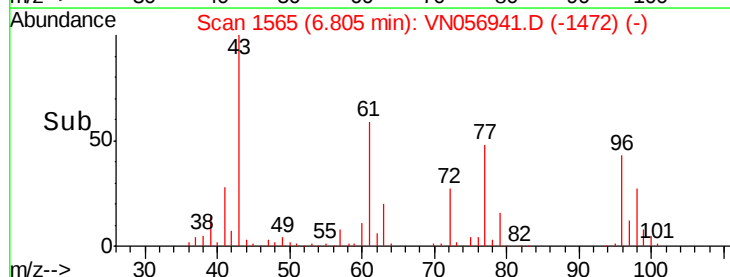
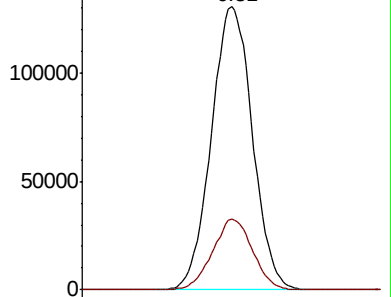
77 100

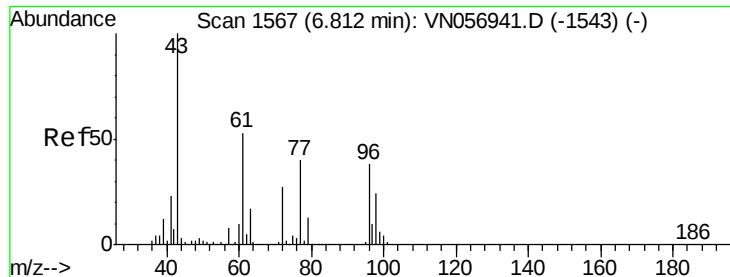
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN056941.D (-1539) (-)

Ion 96.90 (96.60 to 97.60): VN056941.D (-1539) (-)

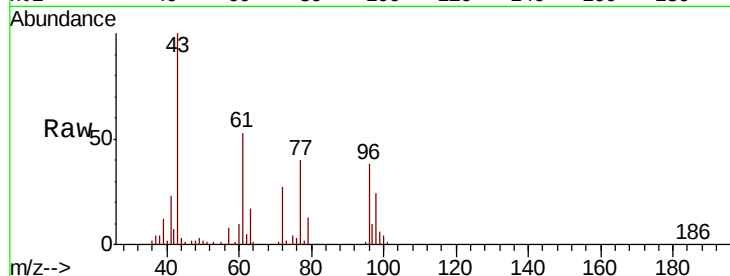




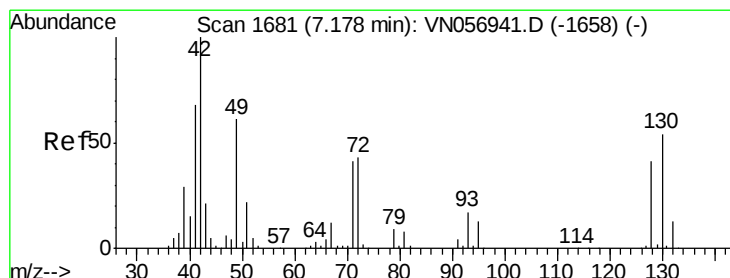
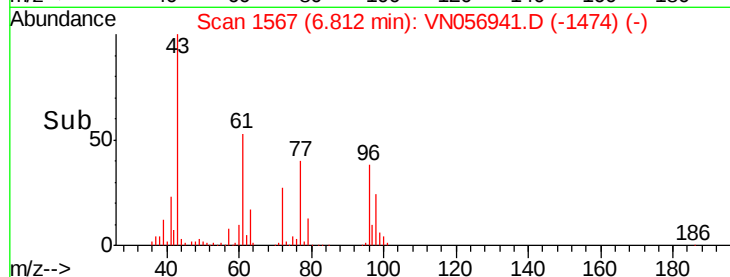
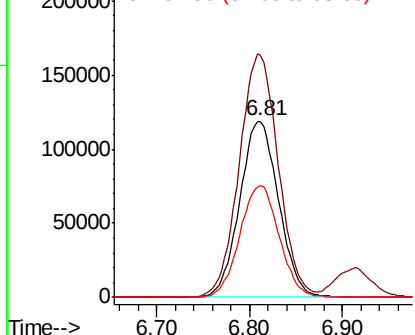
#27
 cis-1,2-Dichloroethene
 Concen: 49.000 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 96 Resp: 346650
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 277.2
 98 64.2 0.0 128.4

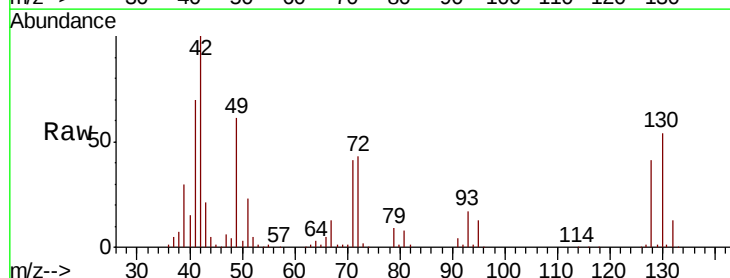


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

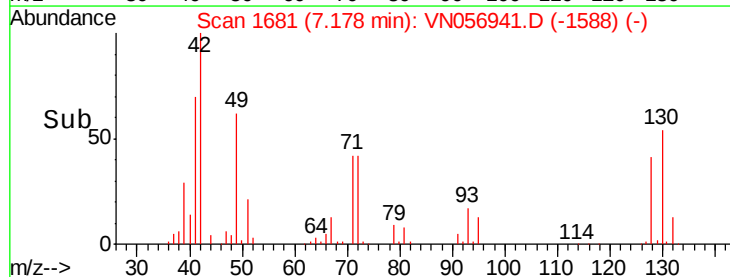
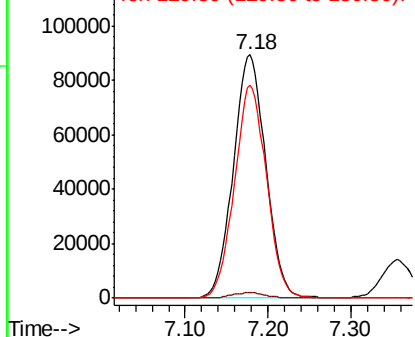


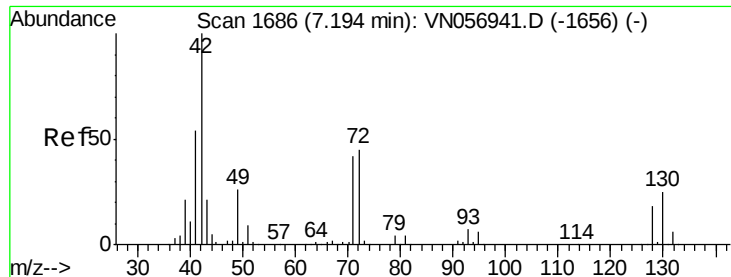
#28
 Bromochloromethane
 Concen: 47.252 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 49 Resp: 243925
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.6
 130 86.2 69.0 103.4



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

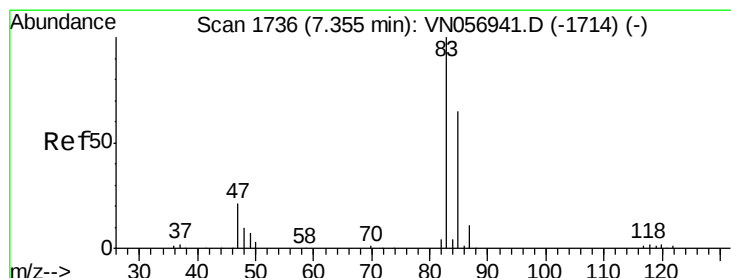
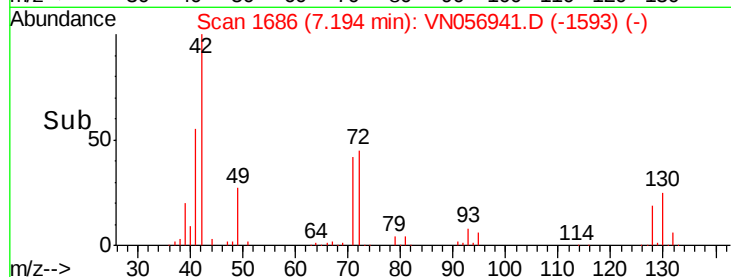
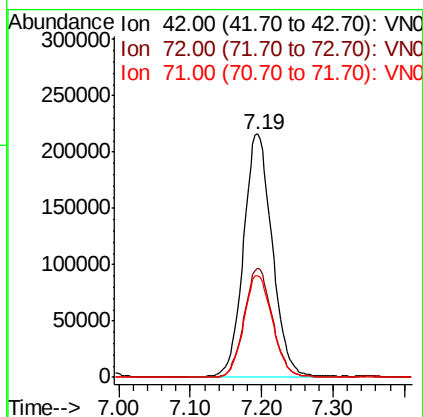
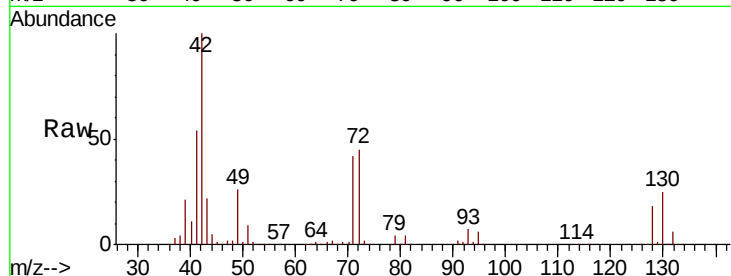




#29
Tetrahydrofuran
Concen: 270.513 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

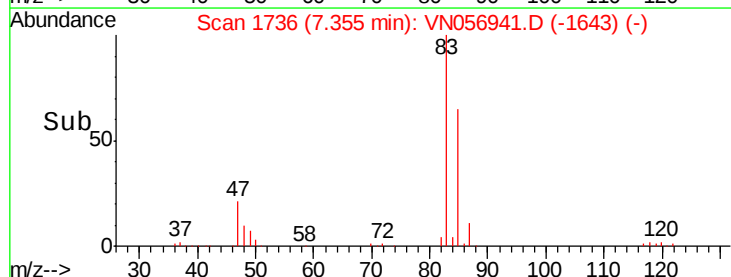
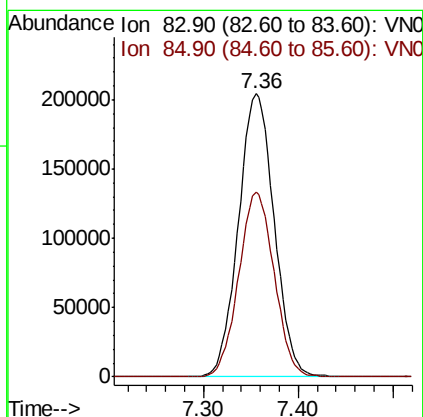
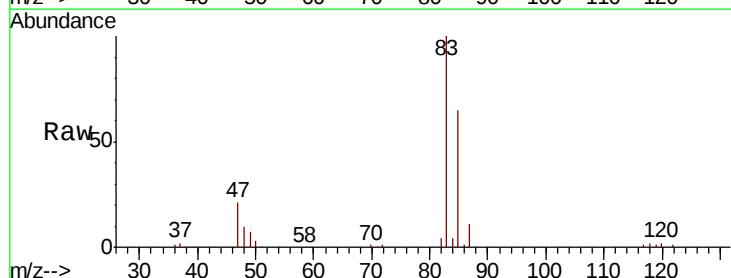
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

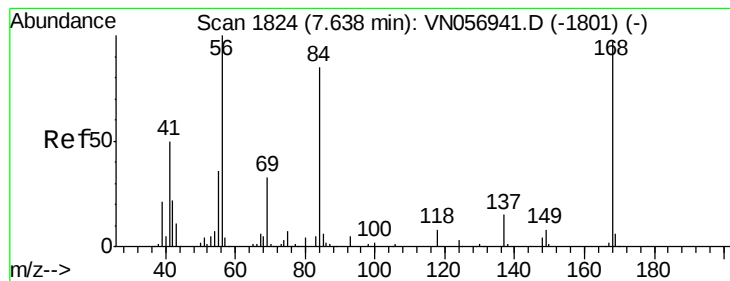
Tot Ion: 42 Resp: 604793
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 41.9 33.5 50.3



#30
Chloroform
Concen: 46.323 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 83 Resp: 536474
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2





#31

Cyclohexane

Concen: 47.429 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

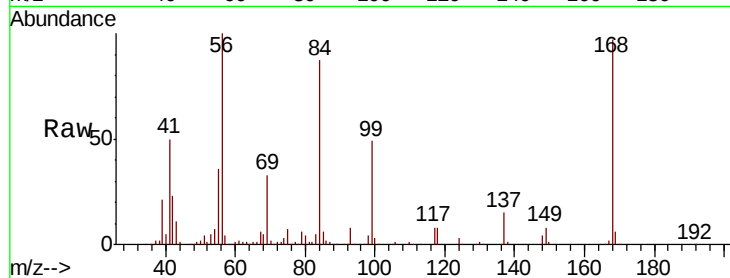
Tot Ion: 56 Resp: 518979

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

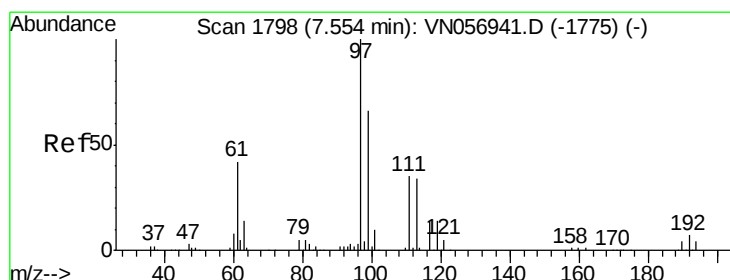
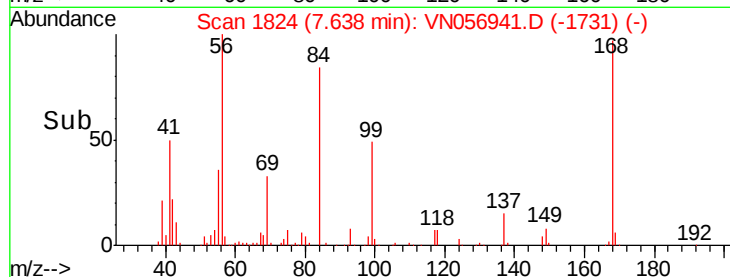
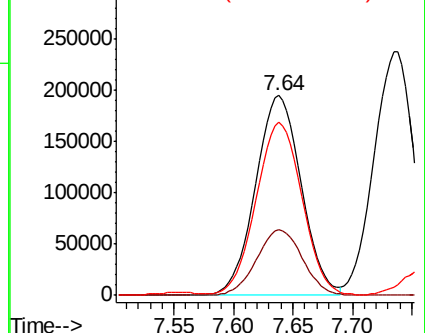
84 85.2 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN056941.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 48.059 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

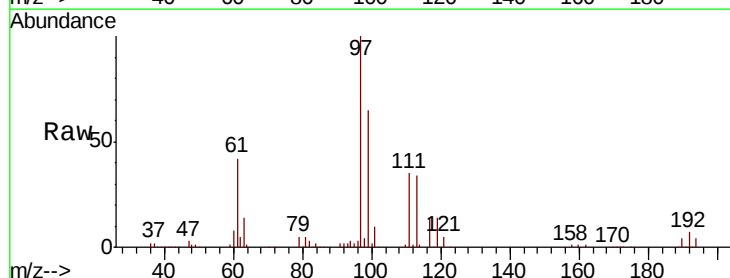
Tgt Ion: 97 Resp: 444898

Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

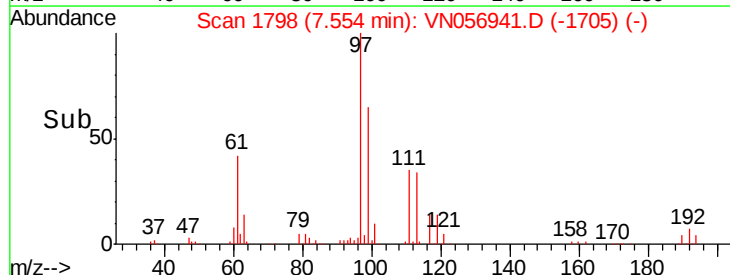
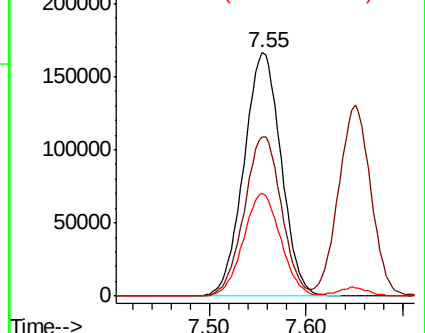
61 42.4 33.9 50.9

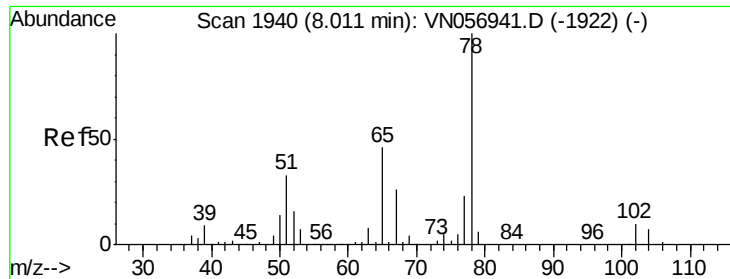


Abundance Ion 96.90 (96.60 to 97.60): VN056941.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN056941.D (-1775) (-)

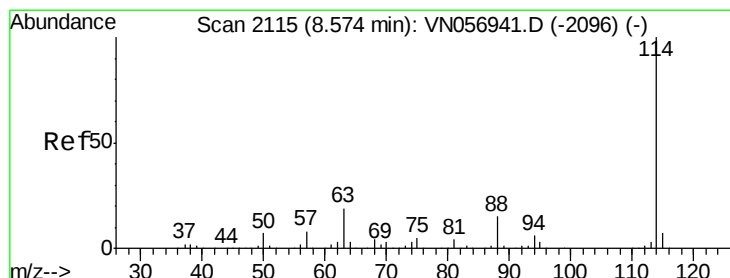
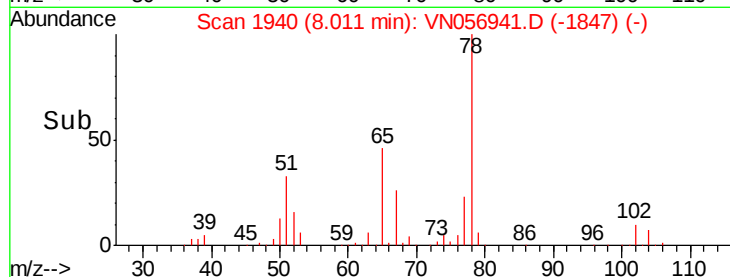
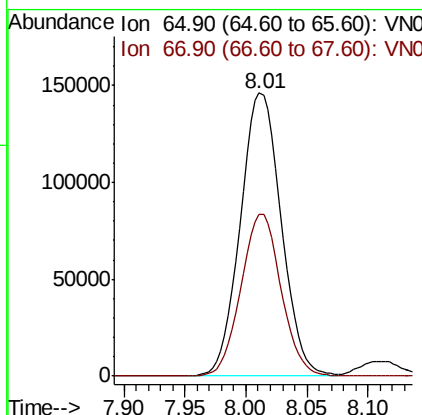
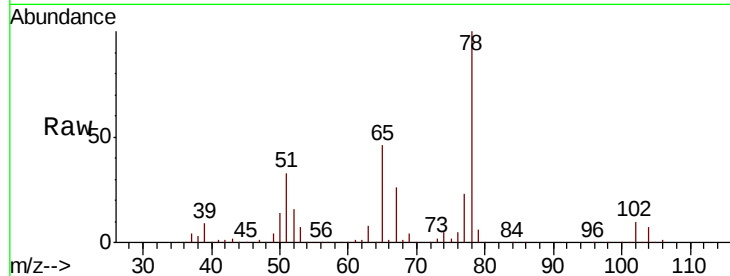




#33
 1,2-Dichloroethane-d4
 Concen: 52.529 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

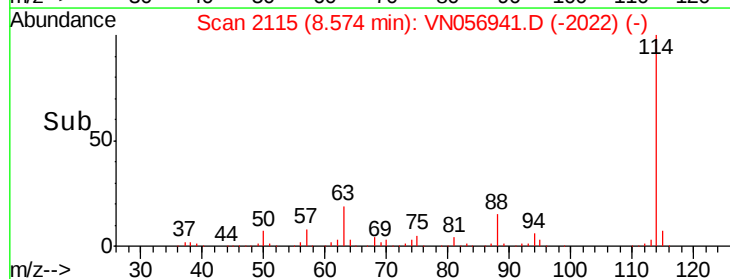
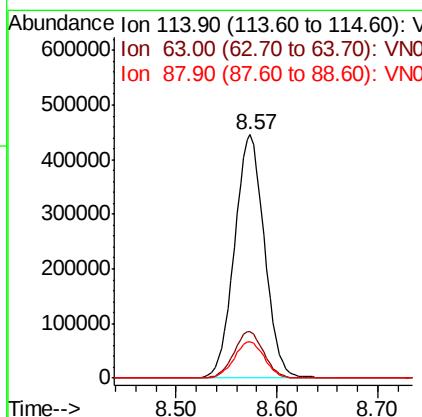
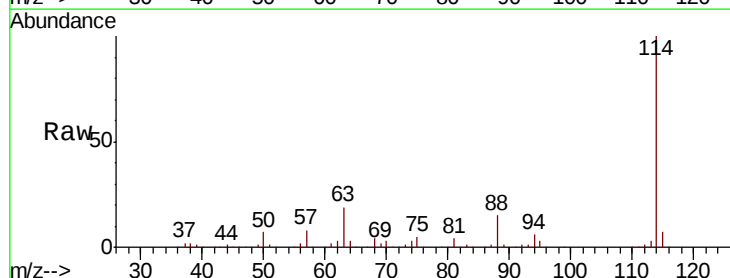
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

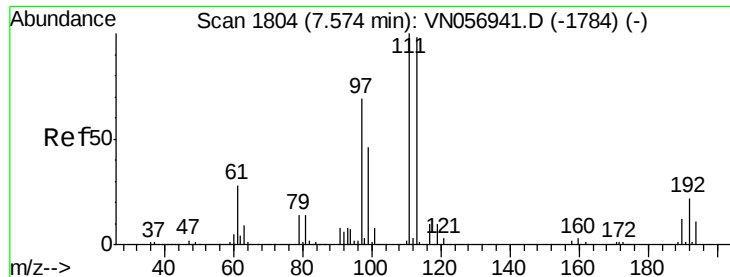
Tot Ion: 65 Resp: 339290
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 114 Resp: 914946
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.0 0.0 30.0

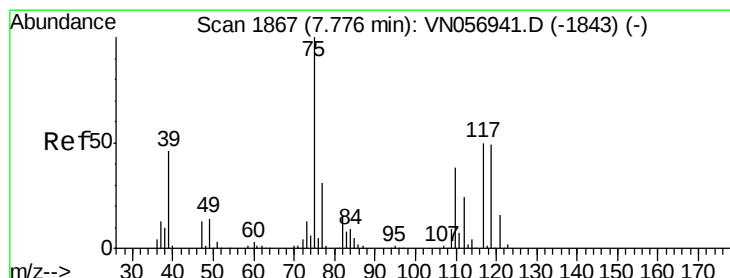
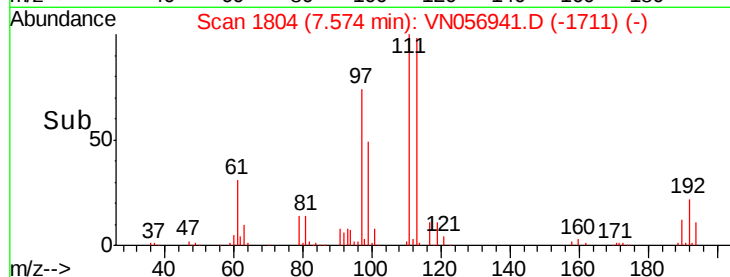
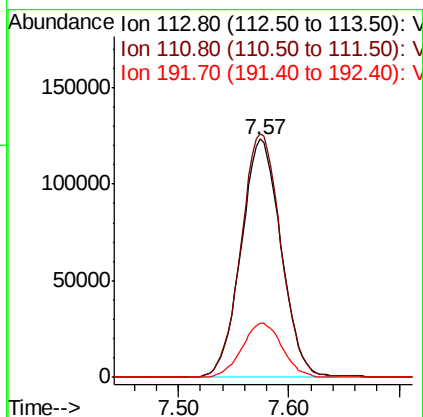
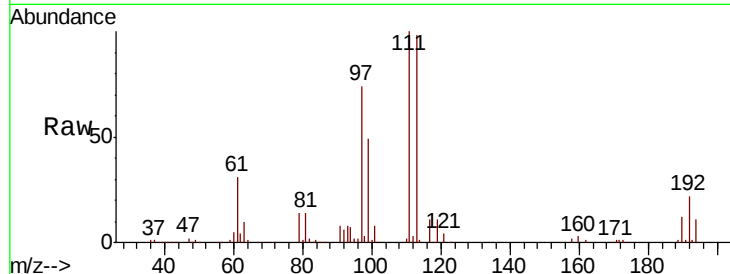




#35
 Dibromofluoromethane
 Concen: 53.192 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

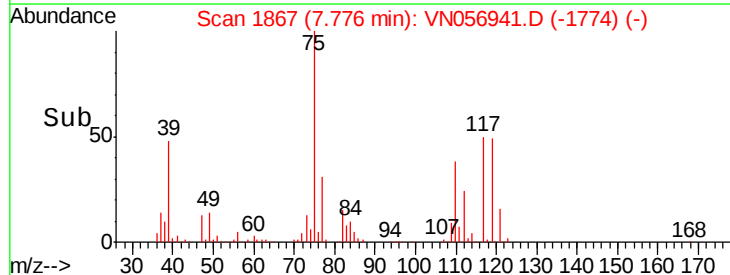
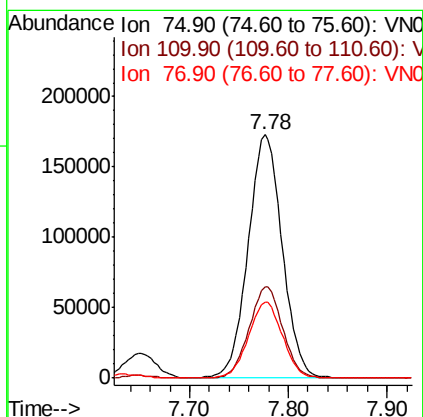
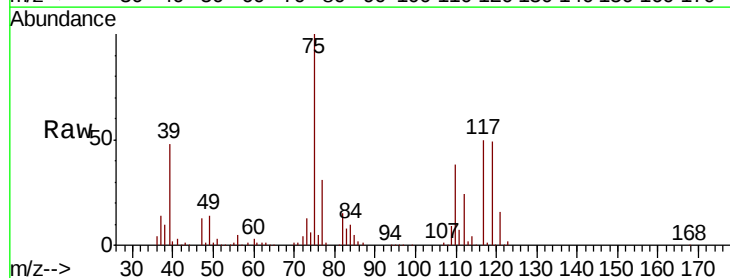
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

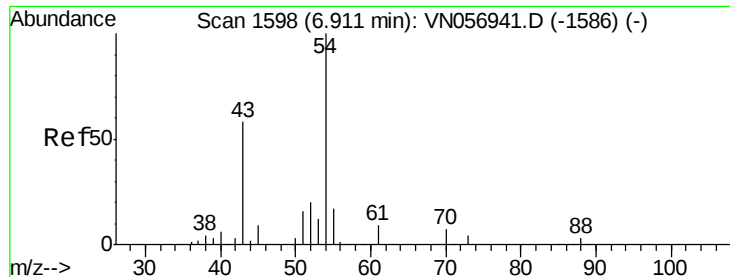
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.0	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 49.654 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.5	25.2	37.8

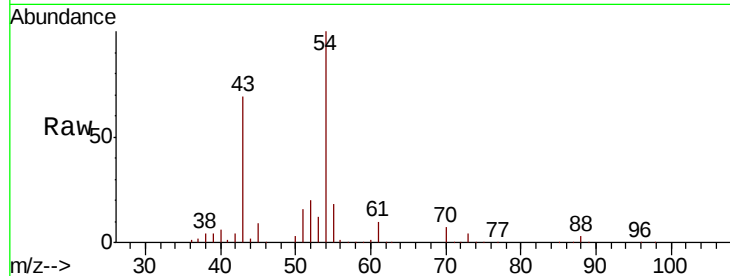




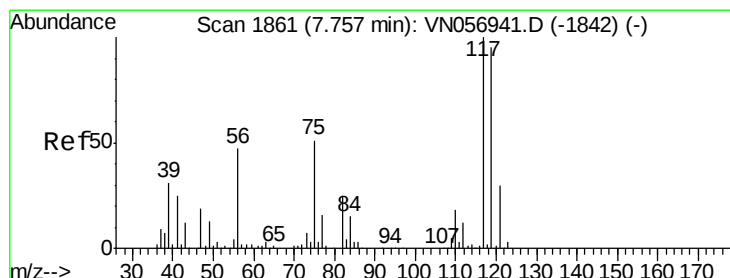
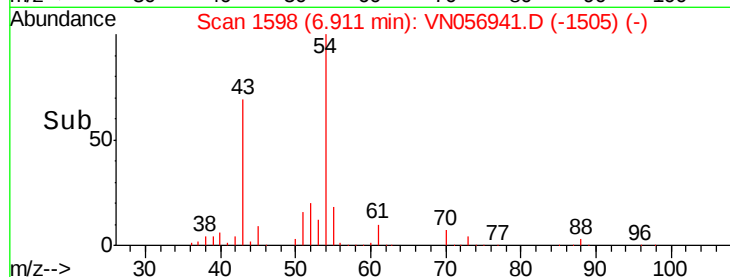
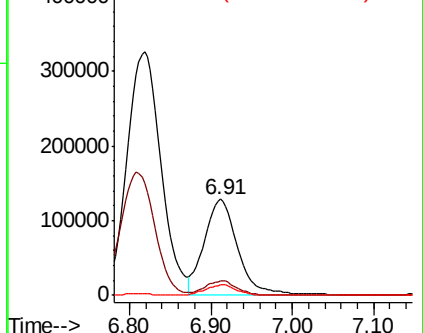
#37
Ethyl Acetate
Concen: 53.992 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 366021
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 10.6 8.5 12.7

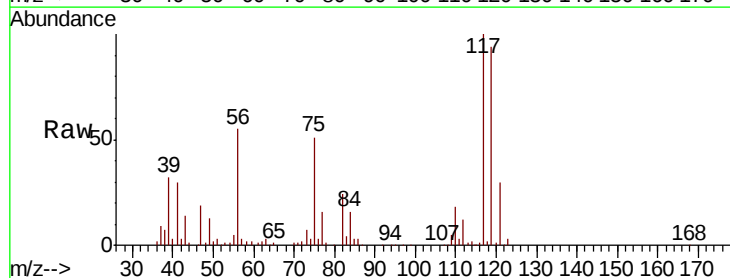


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

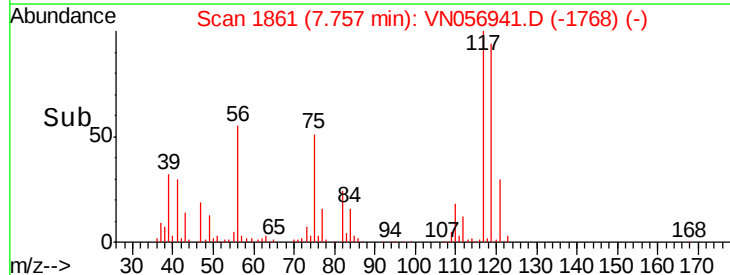
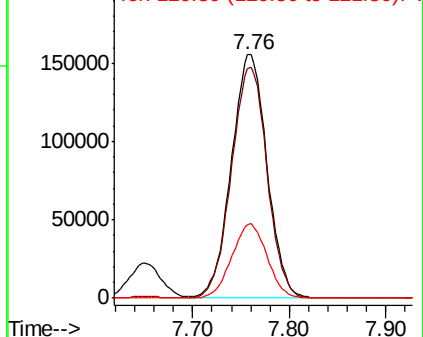


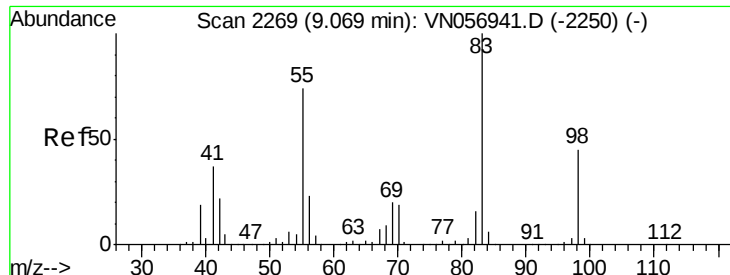
#38
Carbon Tetrachloride
Concen: 50.641 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 117 Resp: 398146
Ion Ratio Lower Upper
117 100
119 94.1 75.3 112.9
121 30.3 24.2 36.4



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

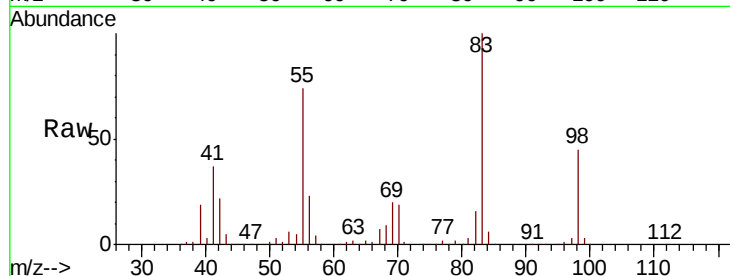




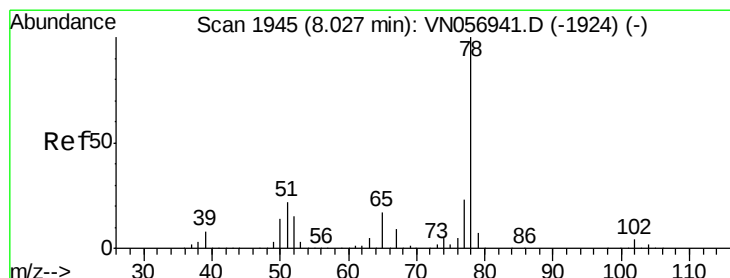
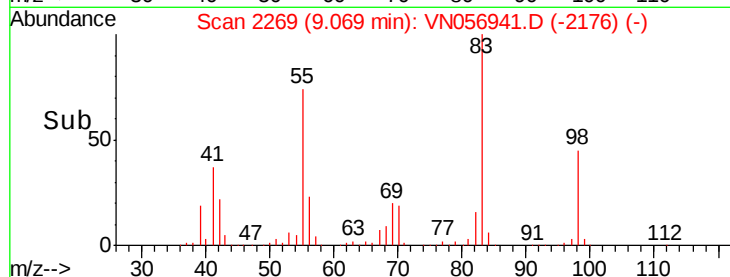
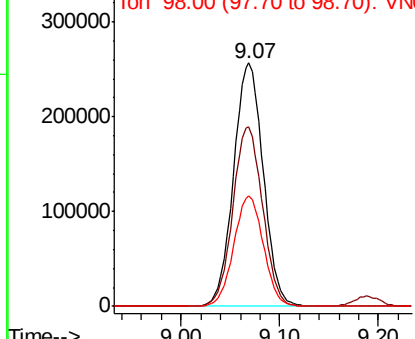
#39
Methvlcvclohexane
Concen: 53.199 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 537045
Ion Ratio Lower Upper
83 100
55 73.8 59.0 88.6
98 45.3 36.2 54.4

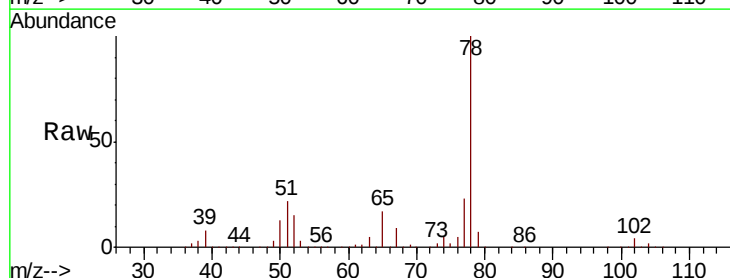


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

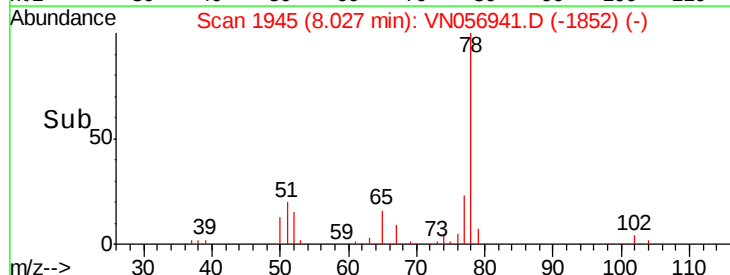
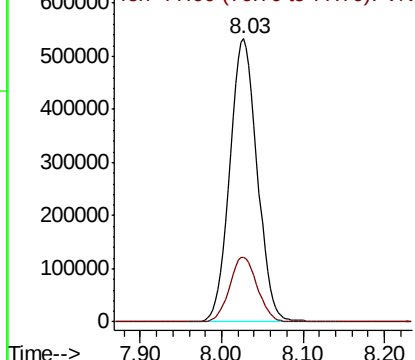


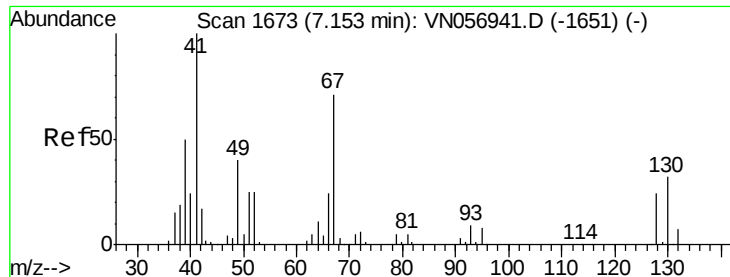
#40
Benzene
Concen: 48.931 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 78 Resp: 1254981
Ion Ratio Lower Upper
78 100
77 22.9 18.3 27.5



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

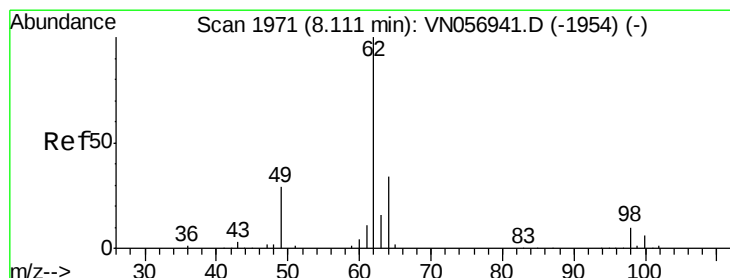
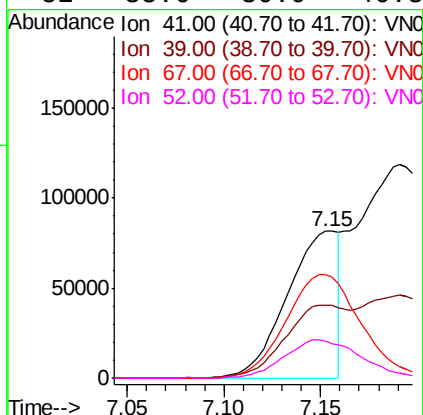
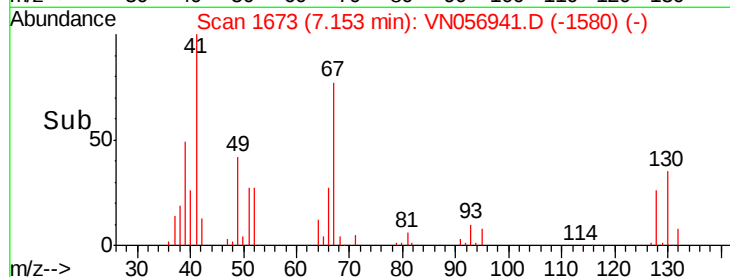
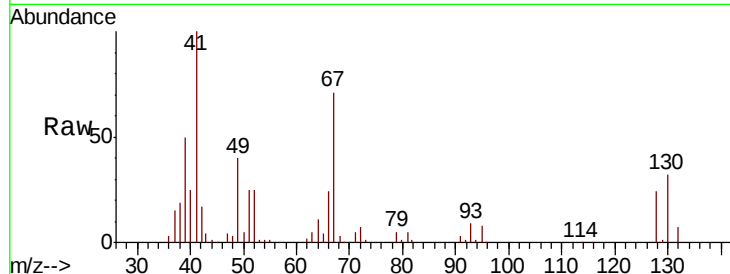




#41
Methacrylonitrile
Concen: 49.816 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

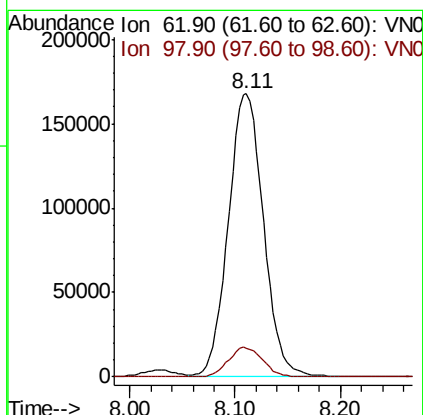
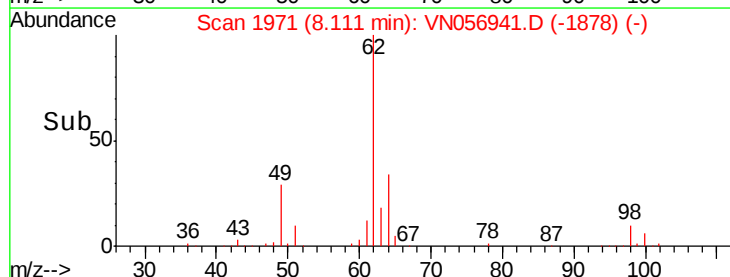
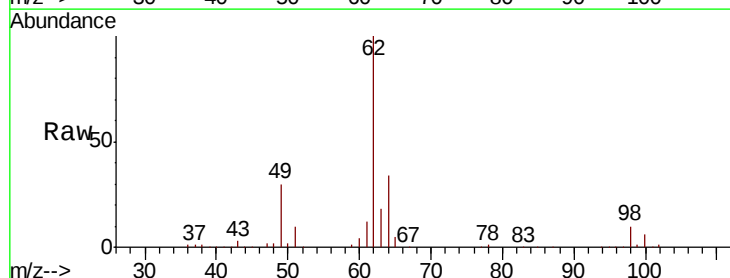
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

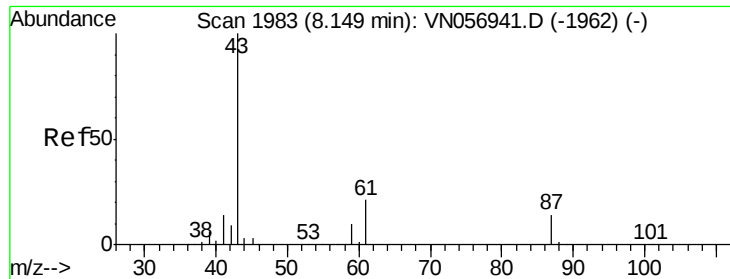
Tot Ion:	41	Resp:	150225
Ion	Ratio	Lower	Upper
41	100		
39	61.1	48.9	73.3
67	104.2	83.4	125.0
52	38.6	30.9	46.3



#42
1,2-Dichloroethane
Concen: 48.733 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion:	62	Resp:	385467
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 52.518 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

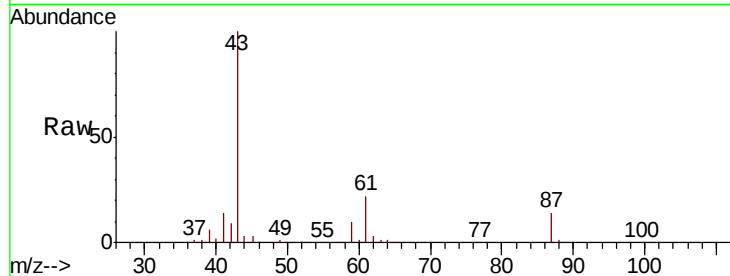
Tot Ion: 43 Resp: 582414

Ion Ratio Lower Upper

43 100

61 28.8 23.0 34.6

87 14.6 11.7 17.5

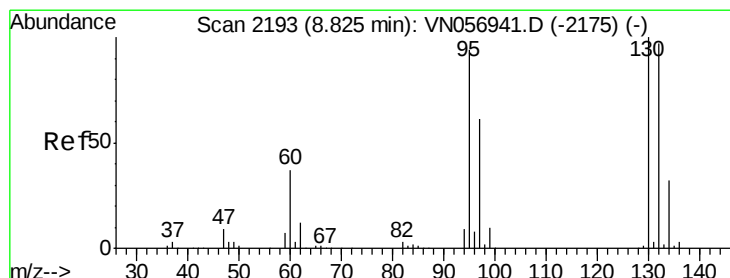
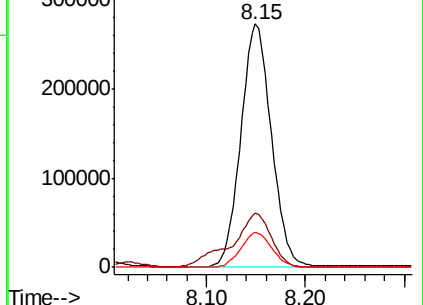
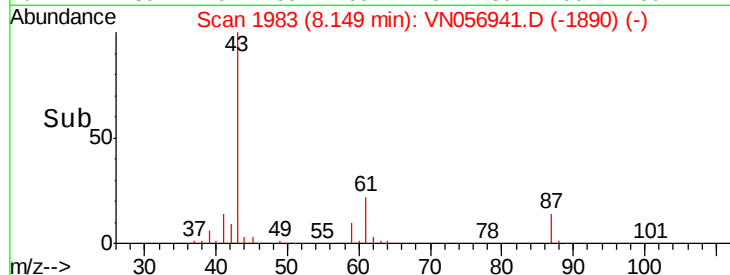


Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)

Time-->



#44

Trichloroethene

Concen: 48.757 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN056941.D

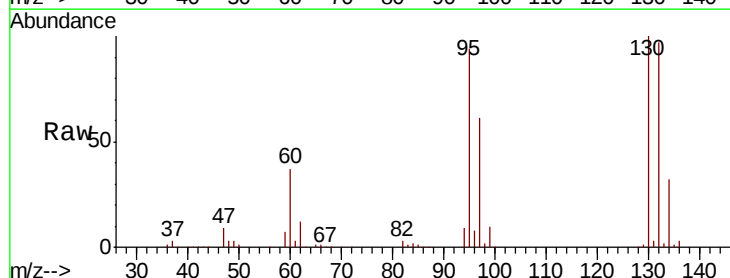
Acq: 26 Jul 2019 10:34

Tgt Ion:130 Resp: 339897

Ion Ratio Lower Upper

130 100

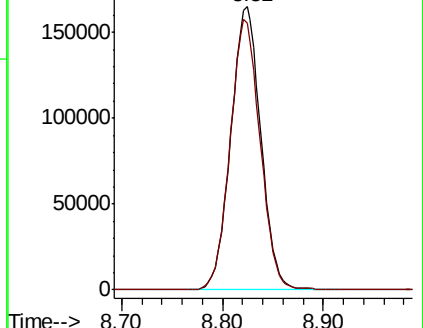
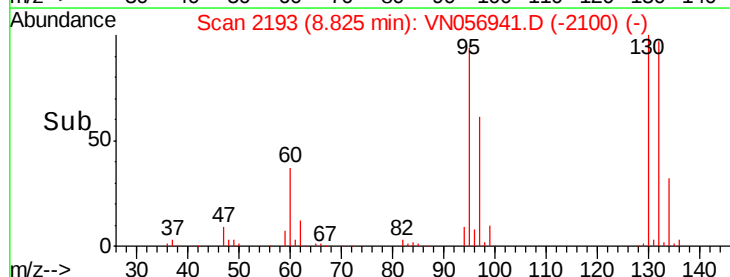
95 94.5 0.0 189.0

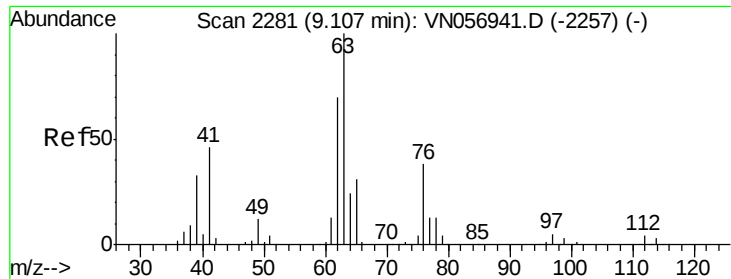


Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 48.389 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

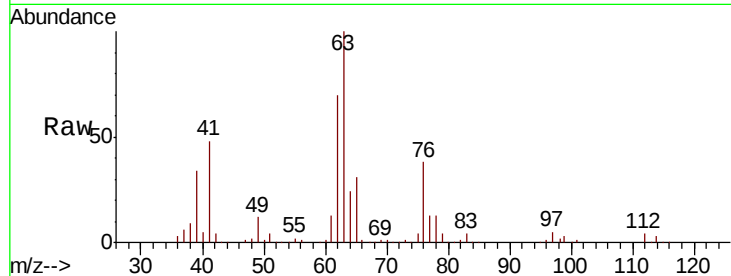
VSTDICCC050

Tot Ion: 63 Resp: 332757

Ion Ratio Lower Upper

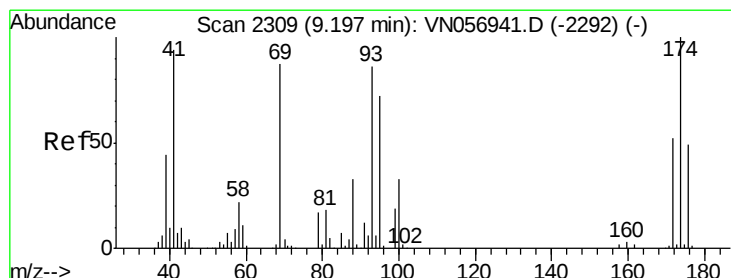
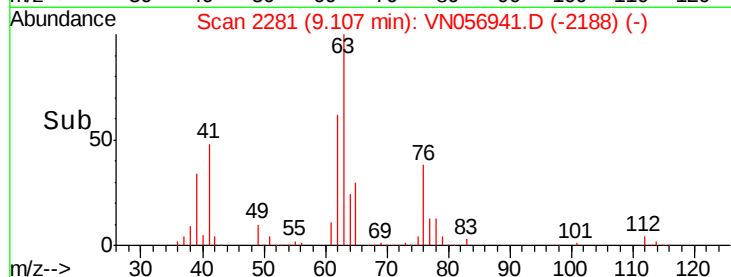
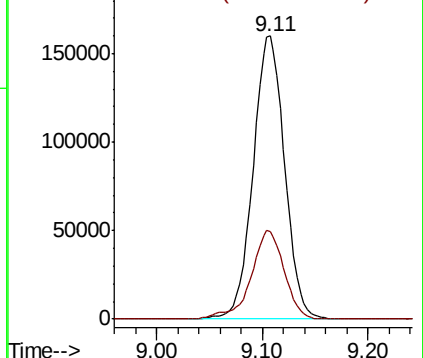
63 100

65 31.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.217 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

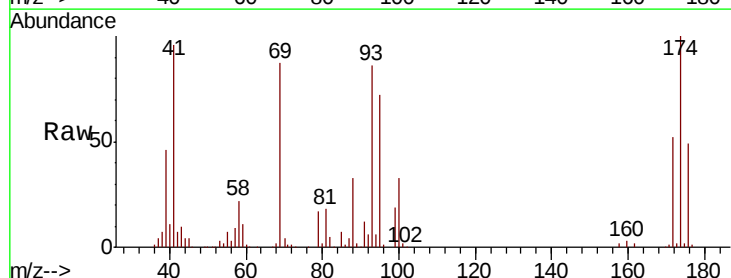
Tgt Ion: 93 Resp: 208558

Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

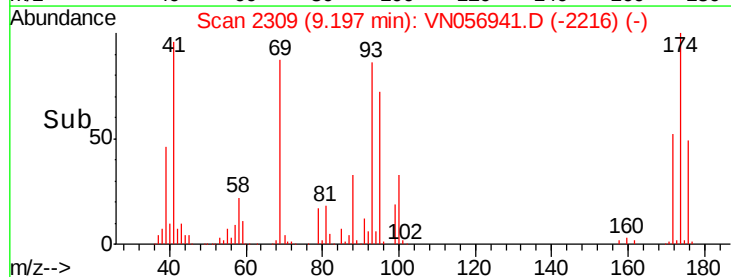
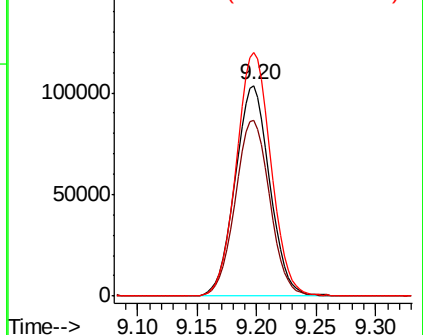
174 115.9 92.7 139.1

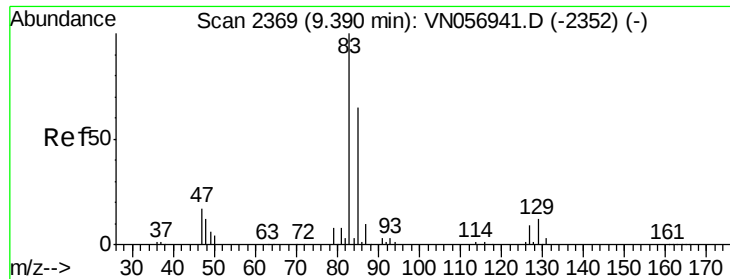


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.354 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

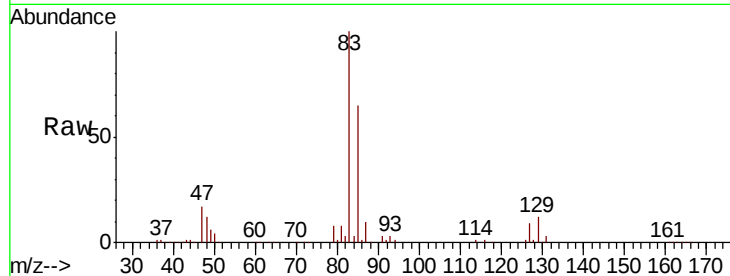
Tot Ion: 83 Resp: 408738

Ion Ratio Lower Upper

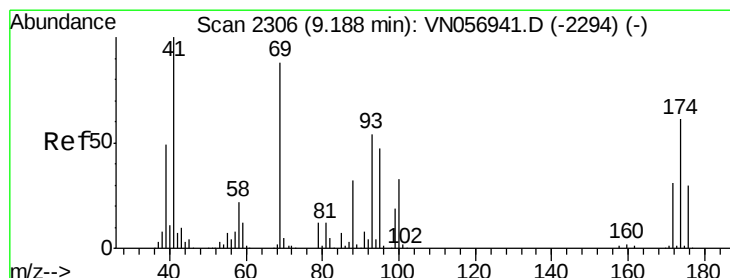
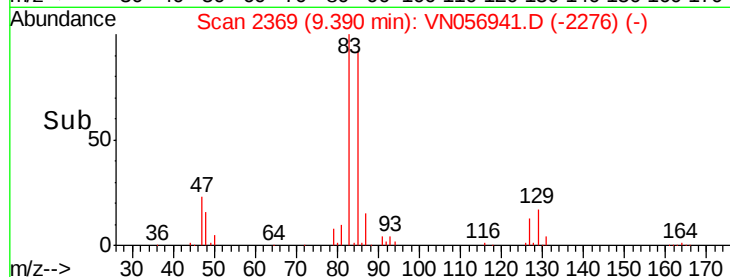
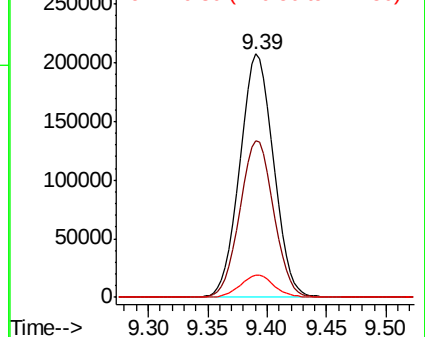
83 100

85 64.5 51.6 77.4

127 9.1 7.3 10.9



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: 53.538 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

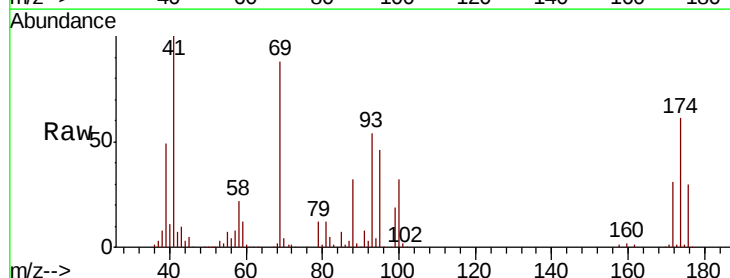
Tgt Ion: 41 Resp: 283529

Ion Ratio Lower Upper

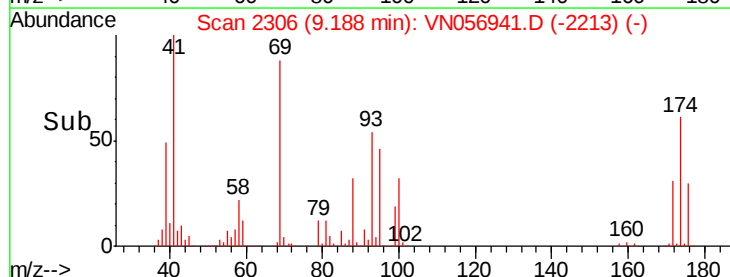
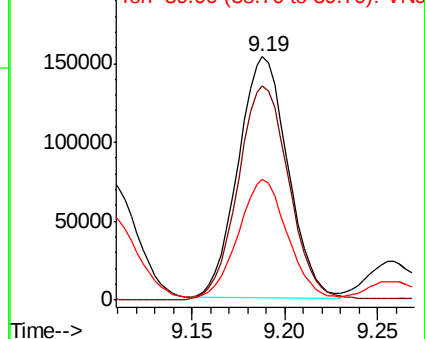
41 100

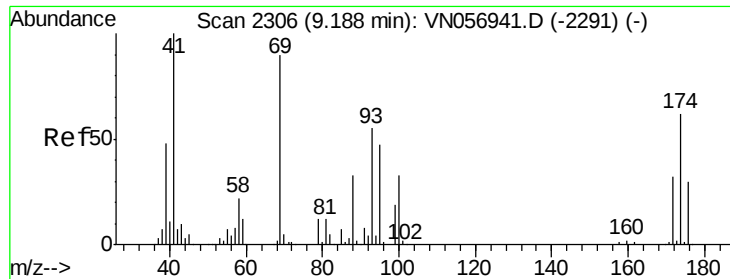
69 91.7 73.4 110.0

39 49.9 39.9 59.9



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: 1008.064 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

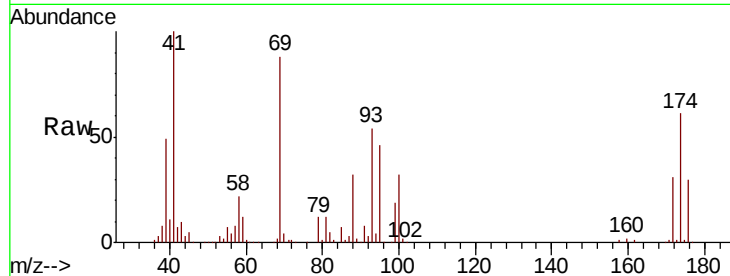
Tot Ion: 88 Resp: 110467

Ion Ratio Lower Upper

88 100

43 27.7 22.2 33.2

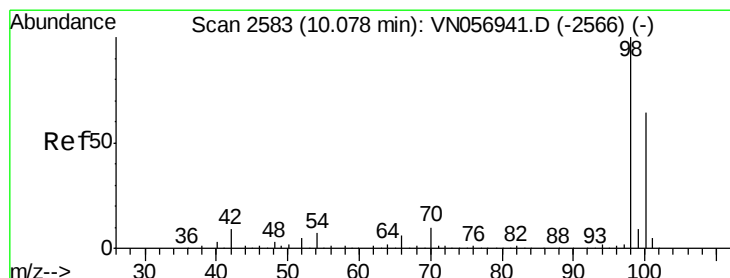
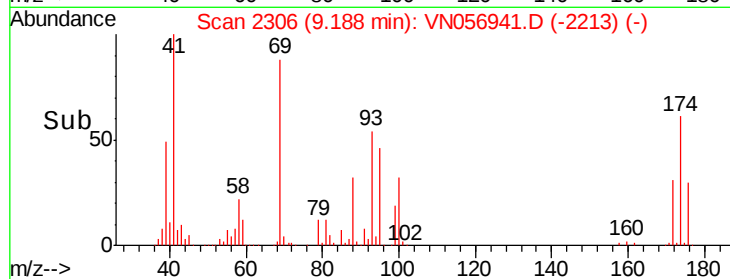
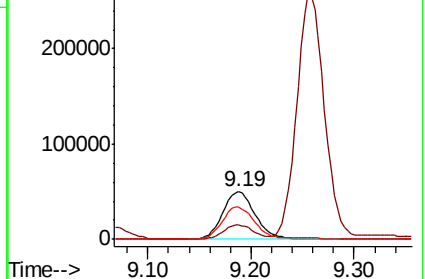
58 67.6 54.1 81.1



Abundance Ion 88.00 (87.70 to 88.70): VN056941.D (-2291) (-)

Ion 43.00 (42.70 to 43.70): VN056941.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2291) (-)



#50

Toluene-d8

Concen: 53.064 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN056941.D

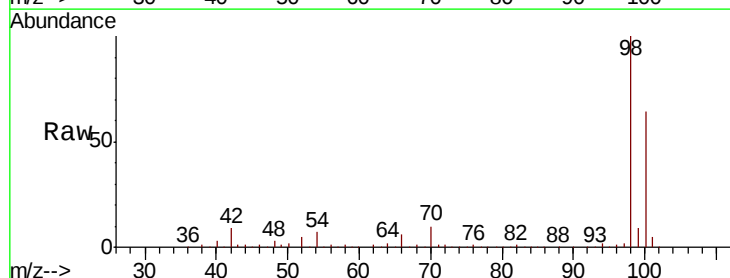
Acq: 26 Jul 2019 10:34

Tgt Ion: 98 Resp: 1169659

Ion Ratio Lower Upper

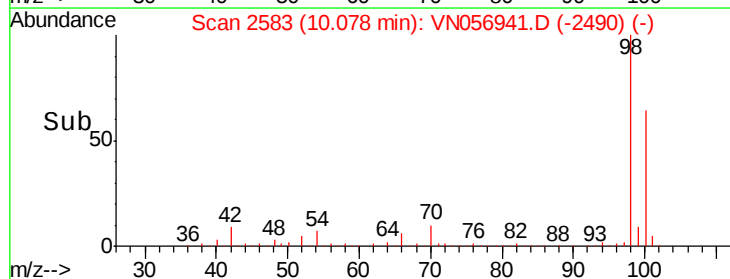
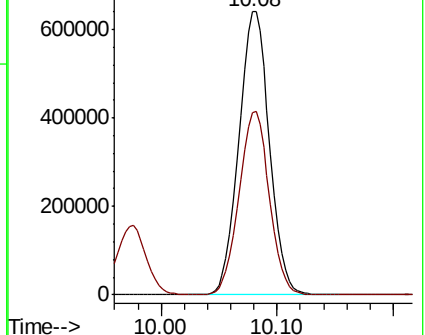
98 100

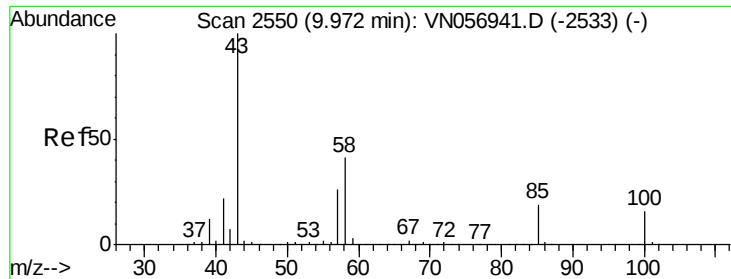
100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)





#51

4-Methyl-2-Pentanone

Concen: 266.308 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

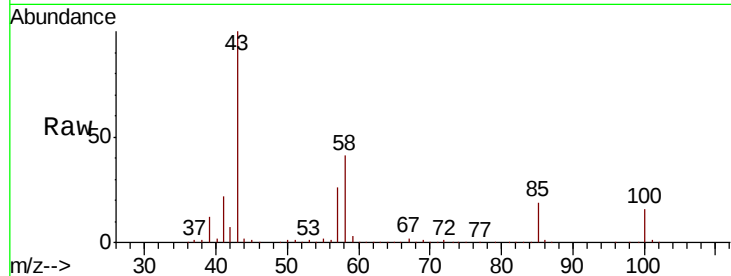
VSTDICCC050

Tot Ion: 43 Resp: 1755823

Ion Ratio Lower Upper

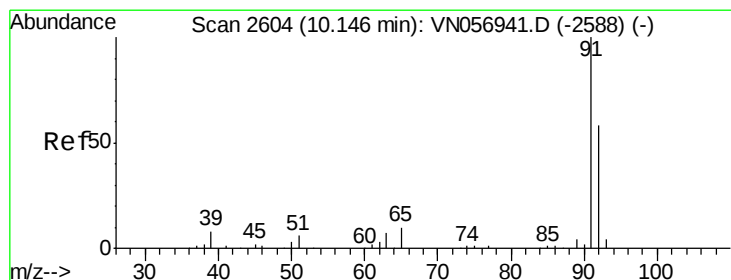
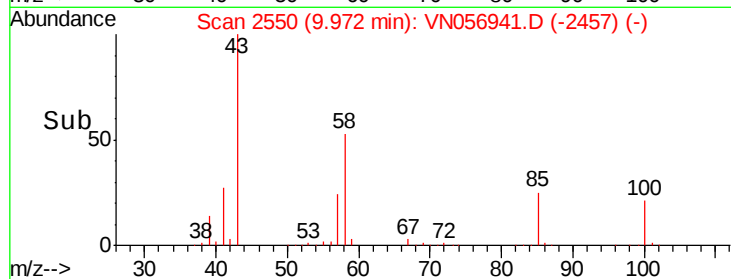
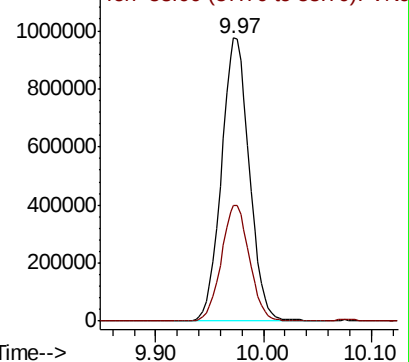
43 100

58 41.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.134 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN056941.D

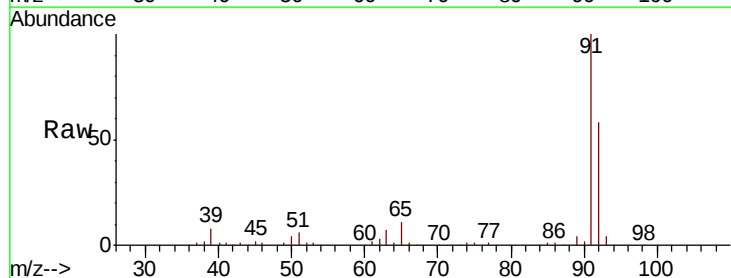
Acq: 26 Jul 2019 10:34

Tgt Ion: 92 Resp: 769223

Ion Ratio Lower Upper

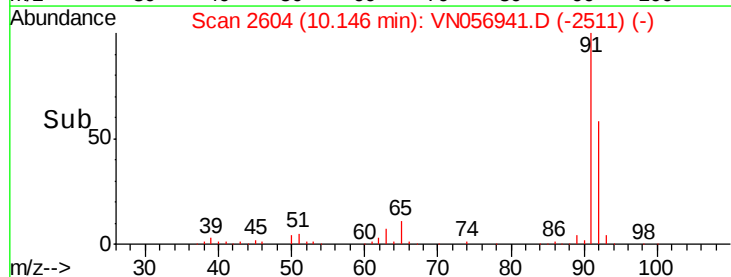
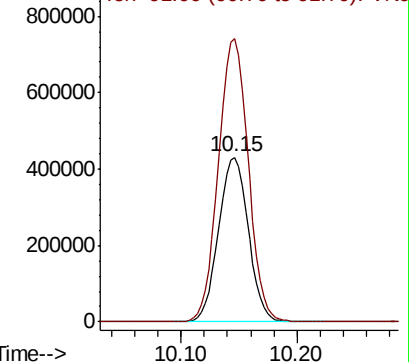
92 100

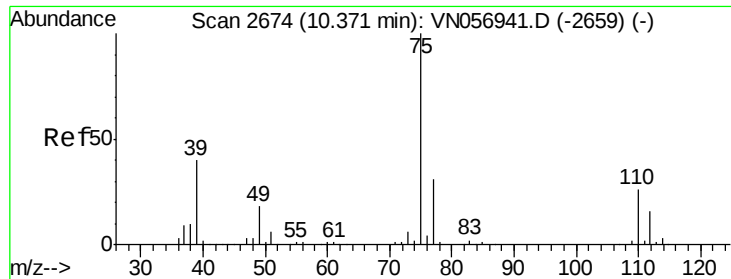
91 172.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

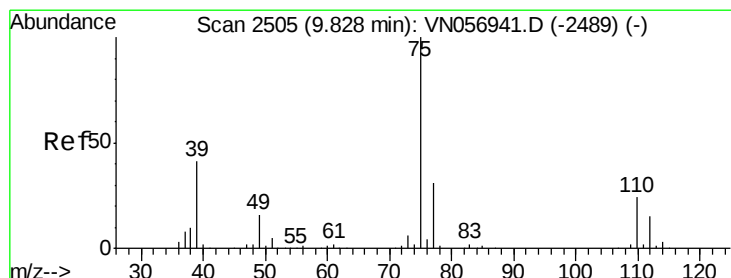
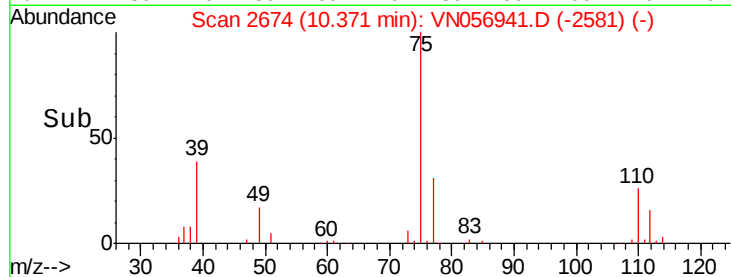
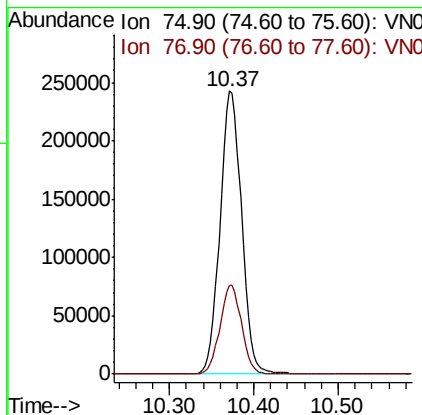
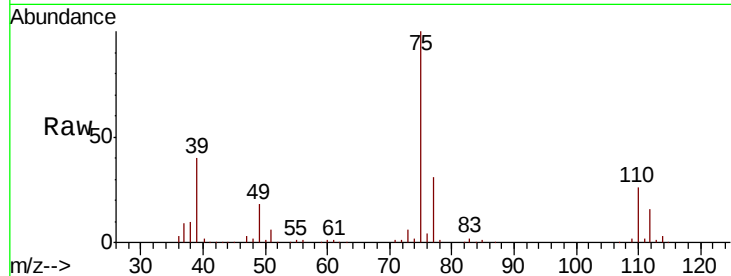




#53
 t-1,3-Dichloropropene
 Concen: 52.595 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

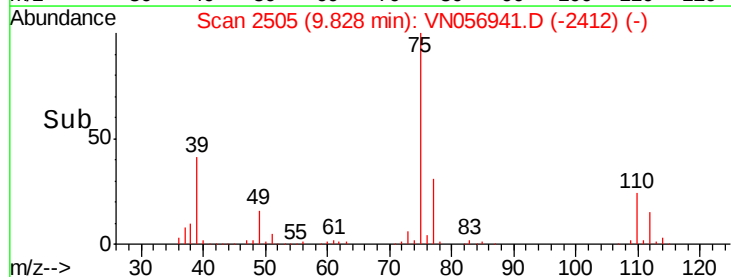
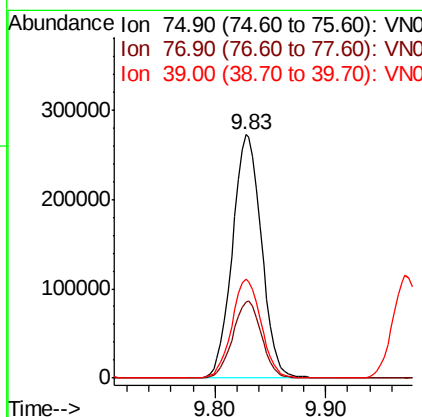
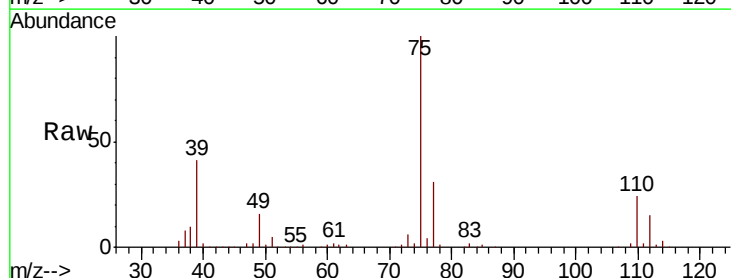
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

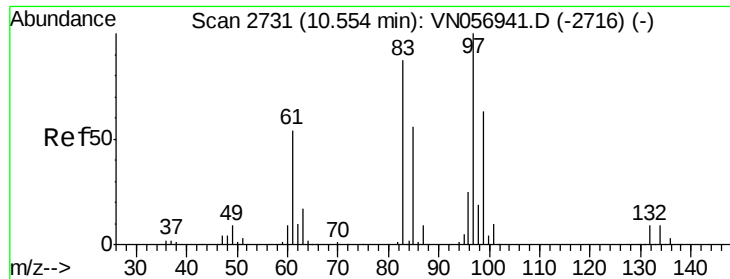
Tot Ion: 75 Resp: 431662
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 51.740 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 75 Resp: 498177
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 40.8 32.6 49.0





#55

1,1,2-Trichloroethane

Concen: 49.108 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 303305

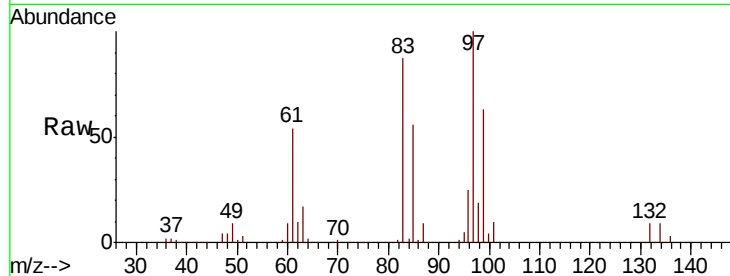
Ion Ratio Lower Upper

97 100

83 86.7 69.4 104.0

85 55.9 44.7 67.1

99 62.6 50.1 75.1

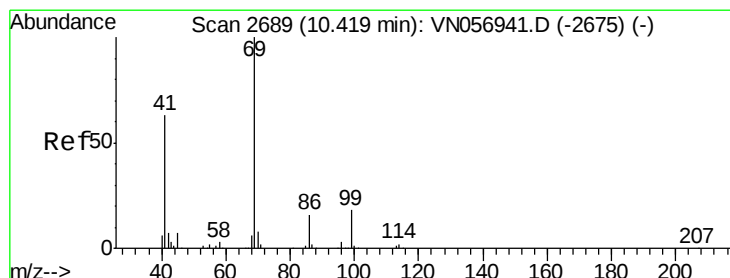
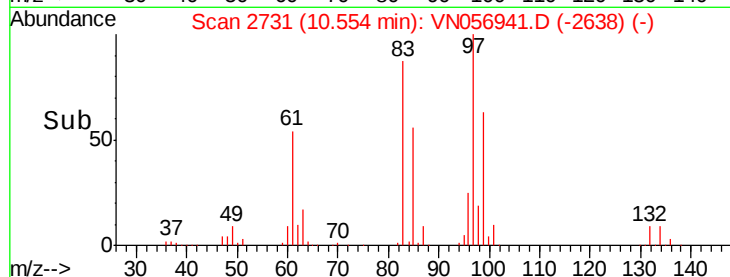
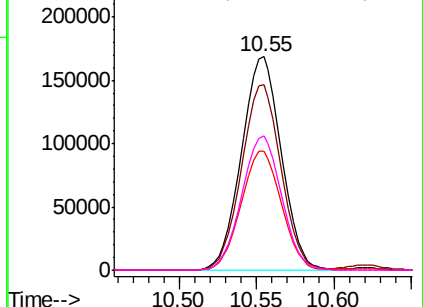


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.326 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

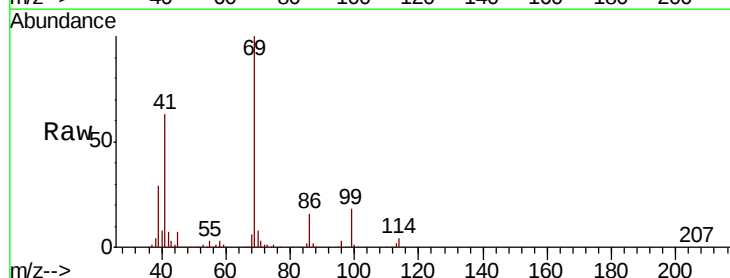
Tgt Ion: 69 Resp: 444506

Ion Ratio Lower Upper

69 100

41 61.5 49.2 73.8

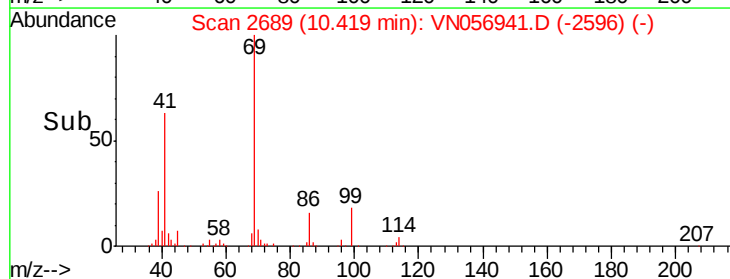
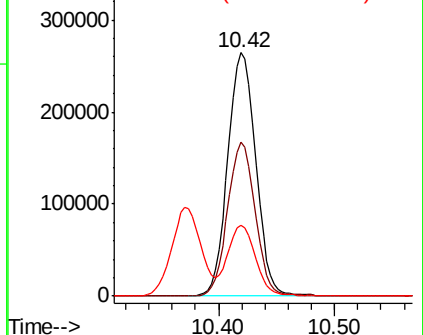
39 28.9 23.1 34.7

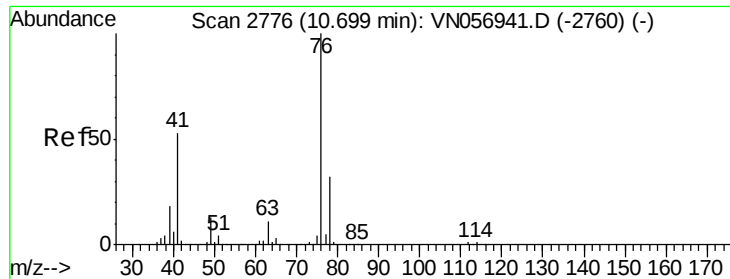


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

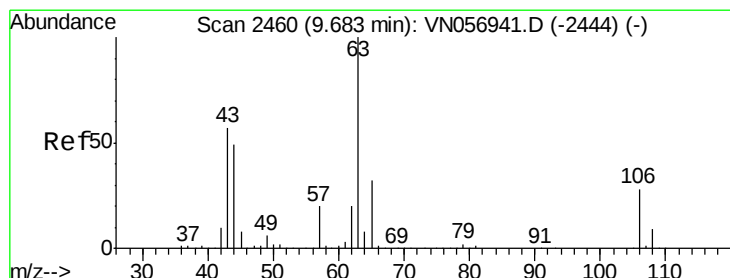
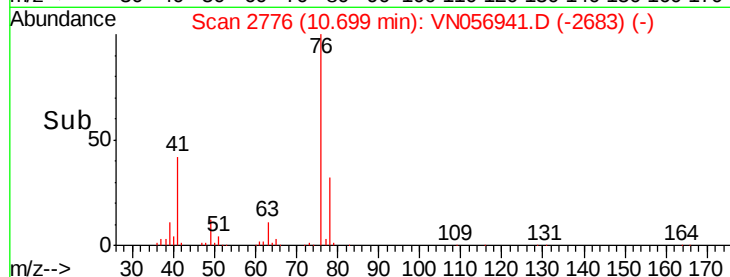
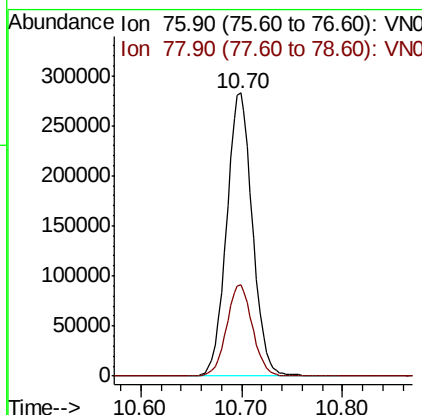
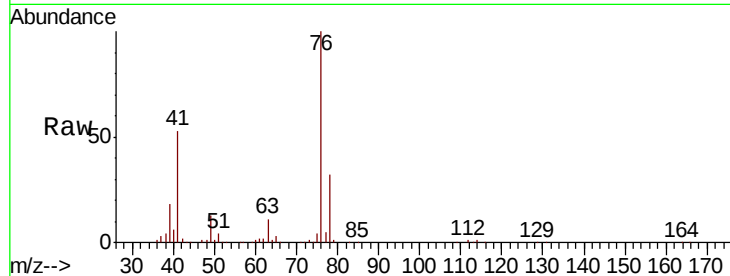




#57
 1,3-Dichloropropane
 Concen: 49.909 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

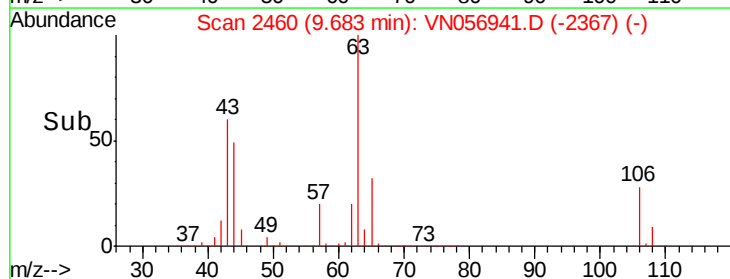
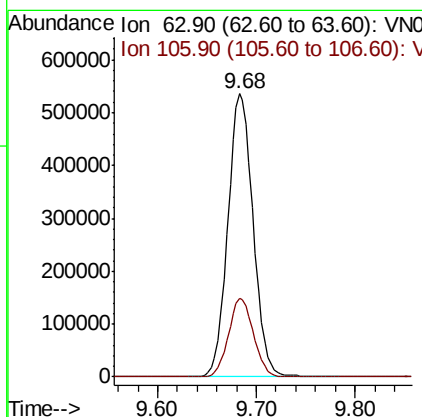
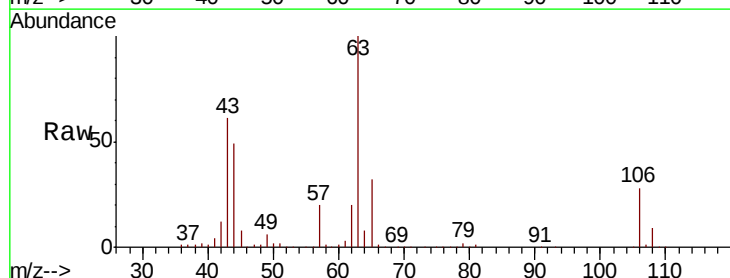
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

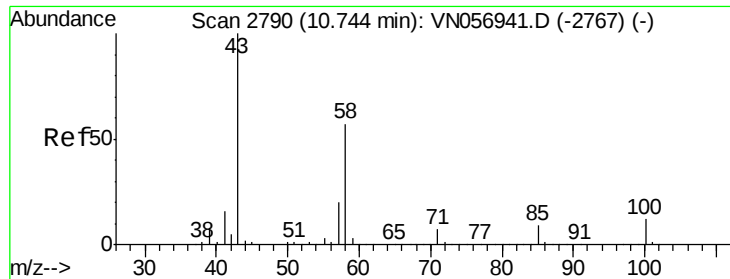
Tot Ion: 76 Resp: 503676
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 289.881 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 63 Resp: 959448
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.0 33.0

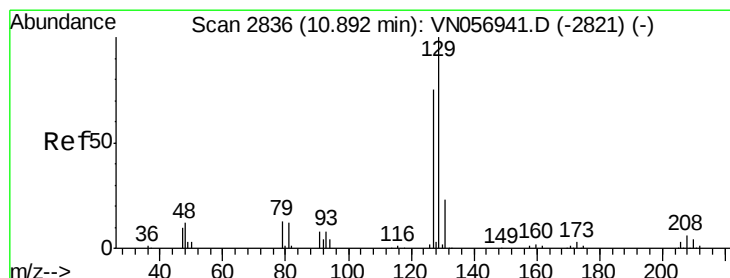
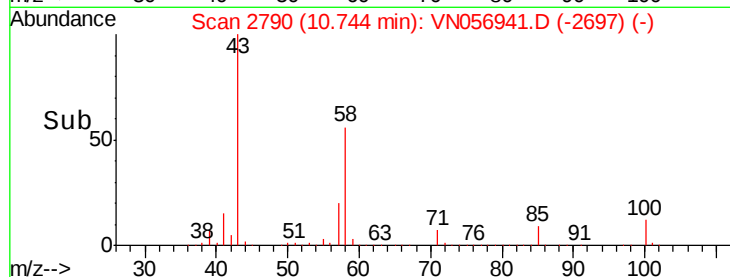
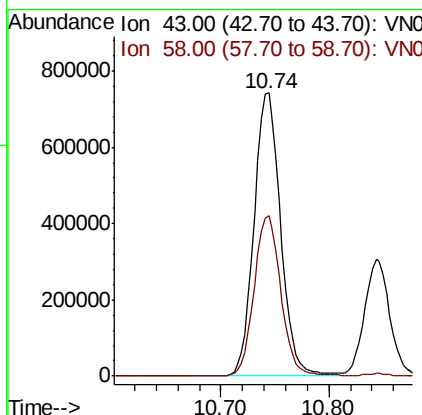
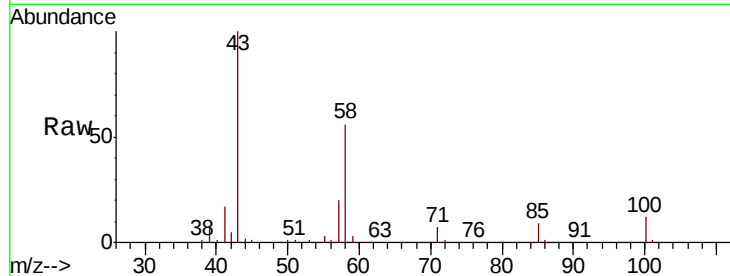




#59
2-Hexanone
Concen: 280.604 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

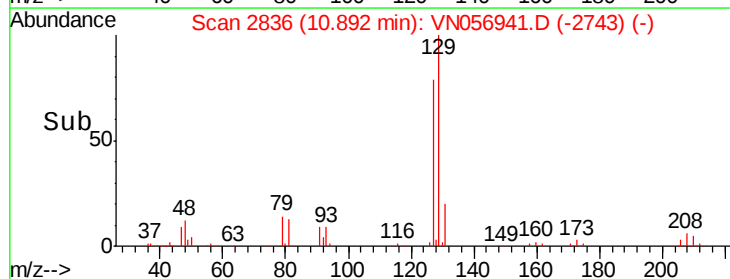
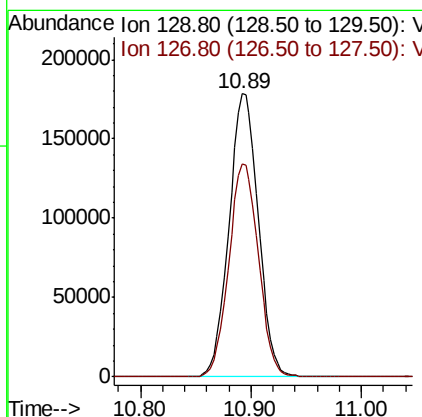
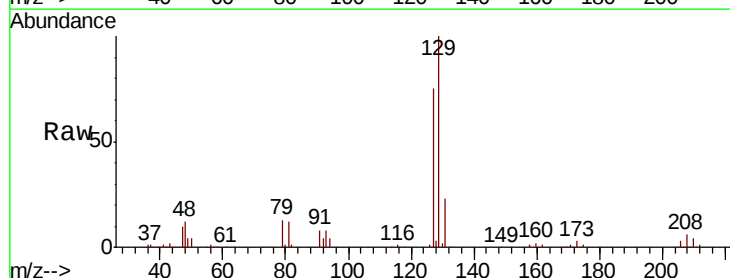
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

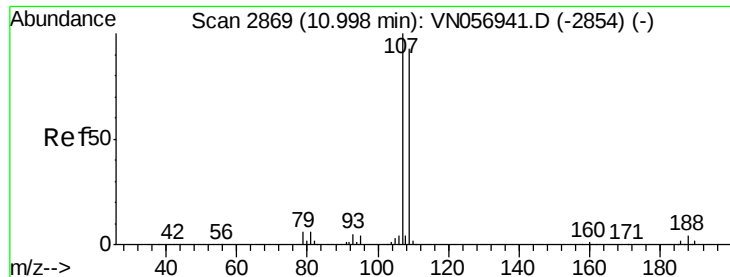
Tot Ion: 43 Resp: 1271095
Ion Ratio Lower Upper
43 100
58 57.0 28.5 85.5



#60
Dibromochloromethane
Concen: 52.164 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 129 Resp: 328777
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9

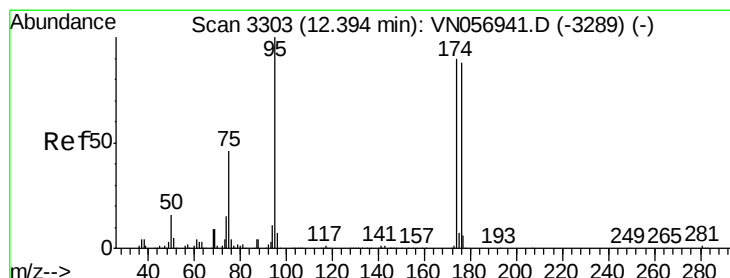
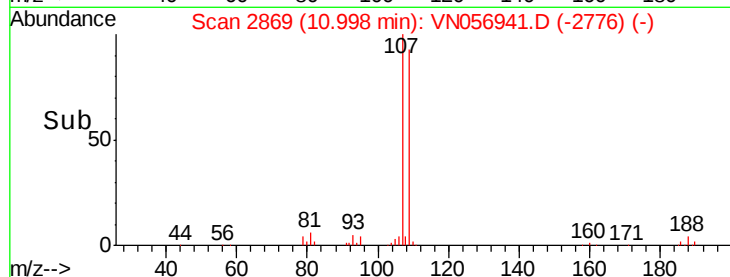
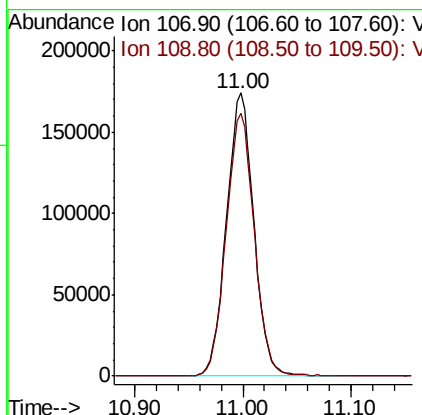
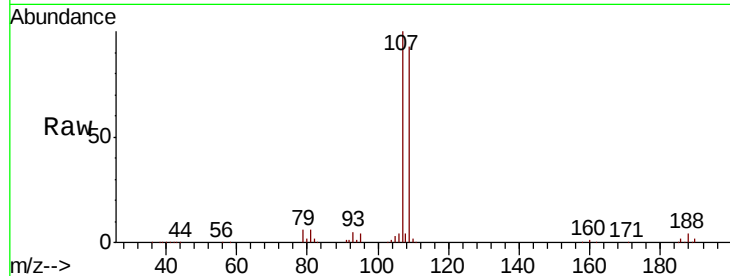




#61
 1,2-Dibromoethane
 Concen: 50.463 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

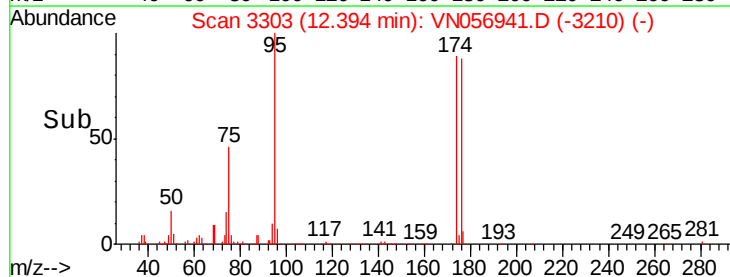
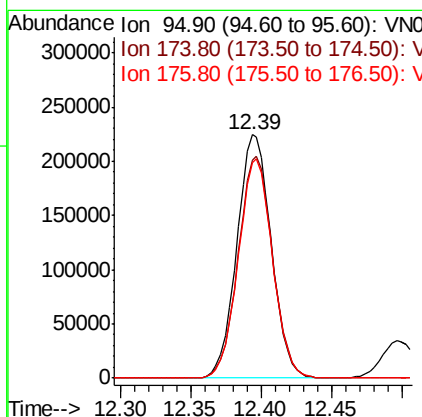
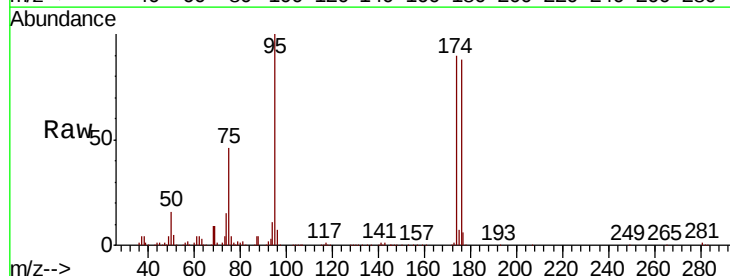
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

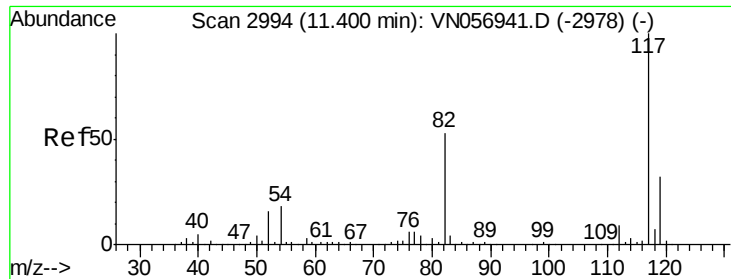
Tot Ion: 107 Resp: 308373
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 53.169 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 95 Resp: 382303
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 182.2
 176 89.7 0.0 179.4

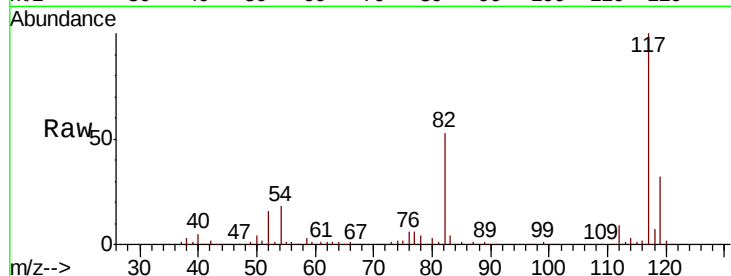




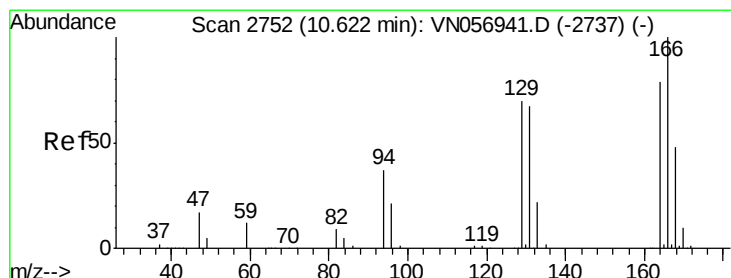
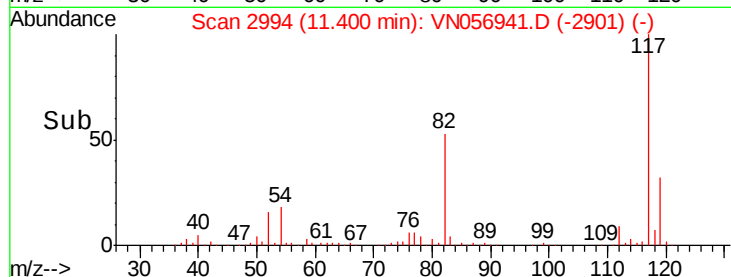
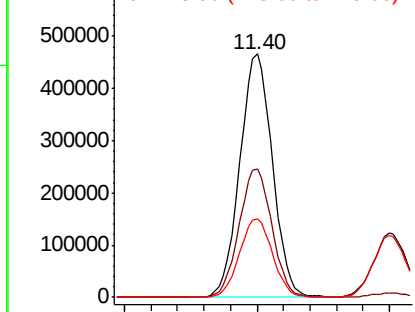
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 797460
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.2 25.8 38.6

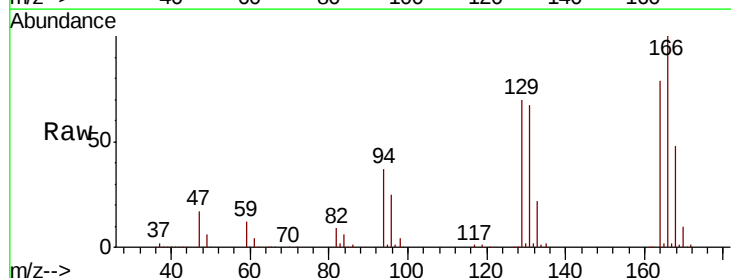


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

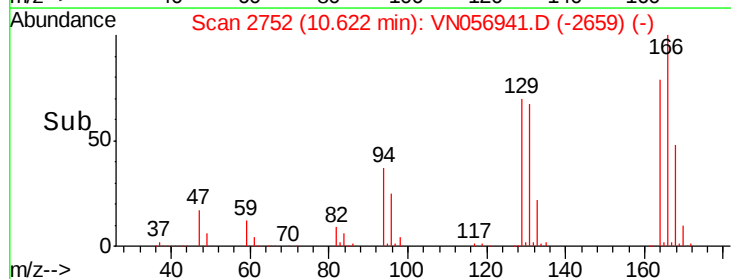
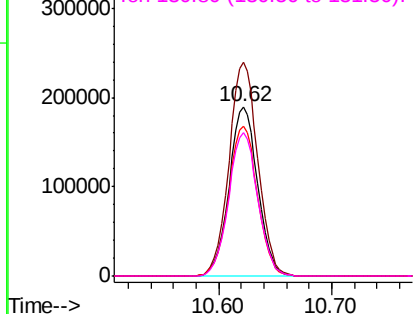


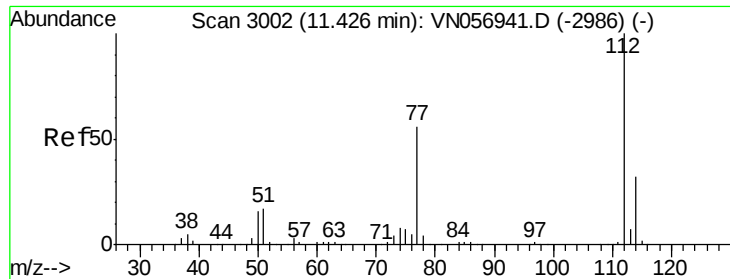
#64
Tetrachloroethene
Concen: 46.653 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion:164 Resp: 332324
Ion Ratio Lower Upper
164 100
166 126.4 101.1 151.7
129 88.6 70.9 106.3
131 84.6 67.7 101.5



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

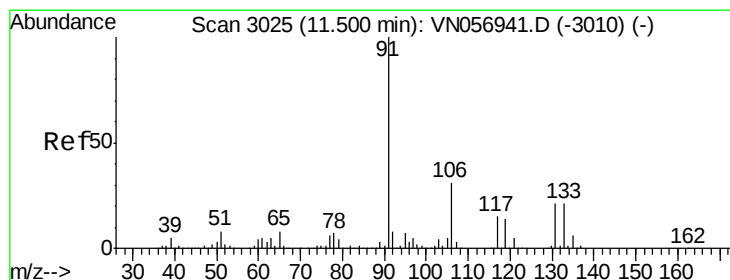
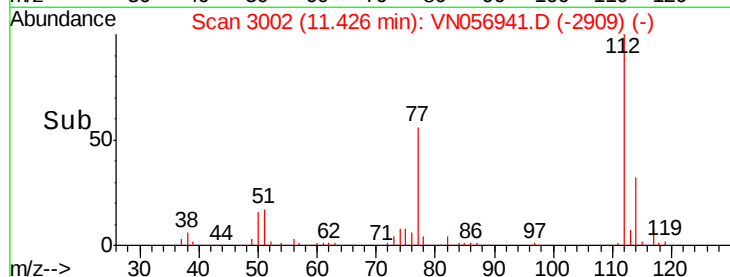
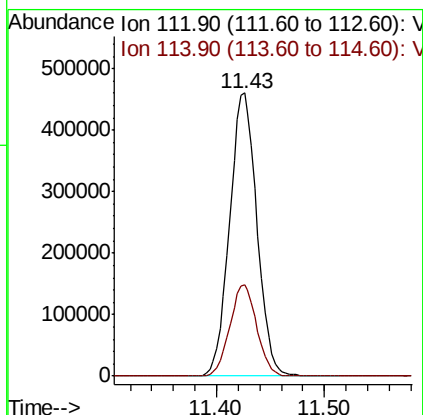
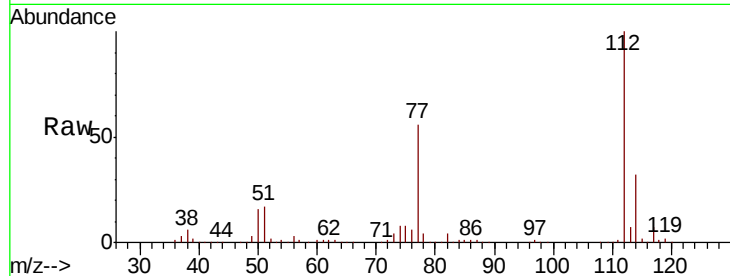




#65
Chlorobenzene
Concen: 49.333 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

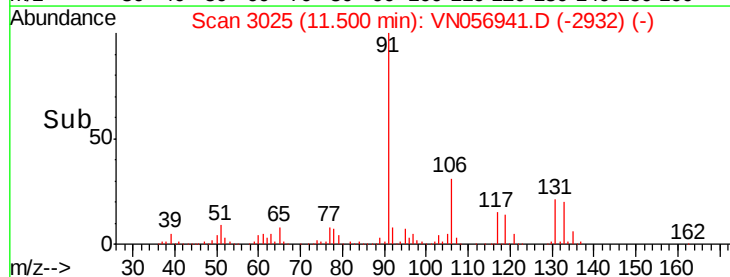
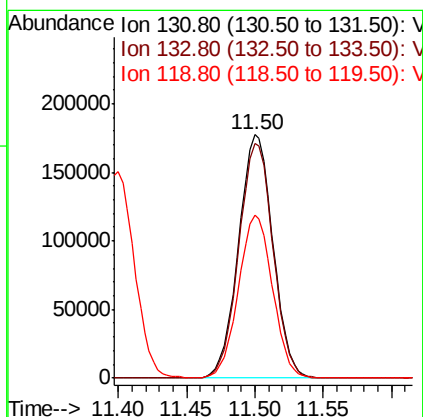
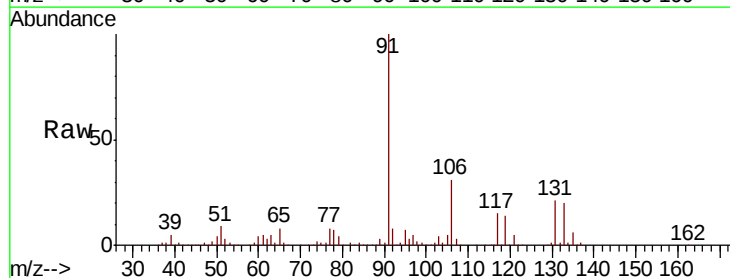
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

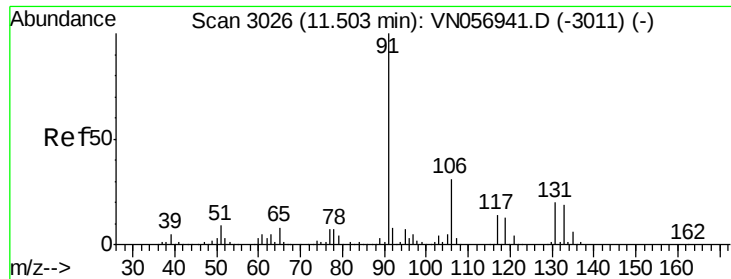
Tot Ion:112 Resp: 811639
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.549 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion:131 Resp: 310489
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 66.4 33.2 99.6

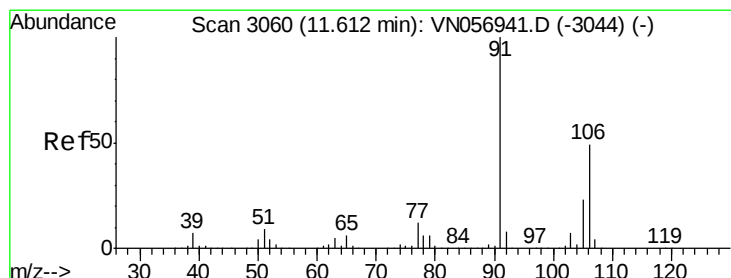
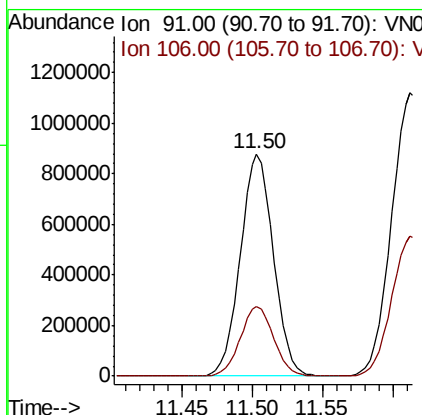
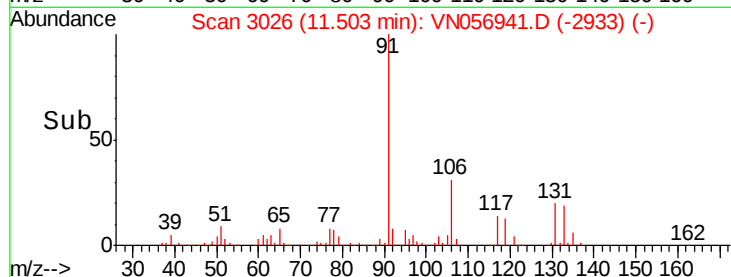
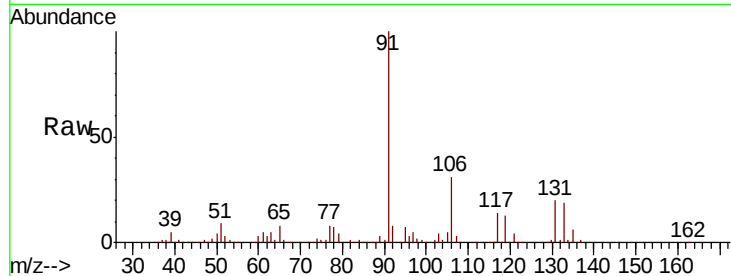




#67
Ethyl Benzene
Concen: 50.970 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

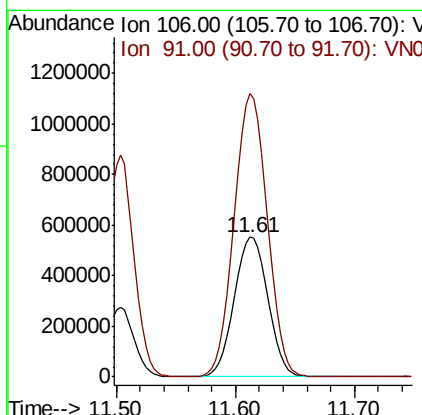
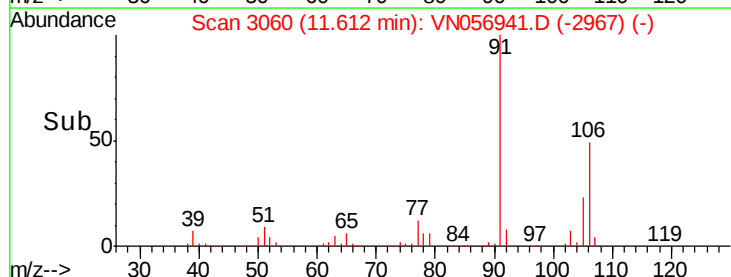
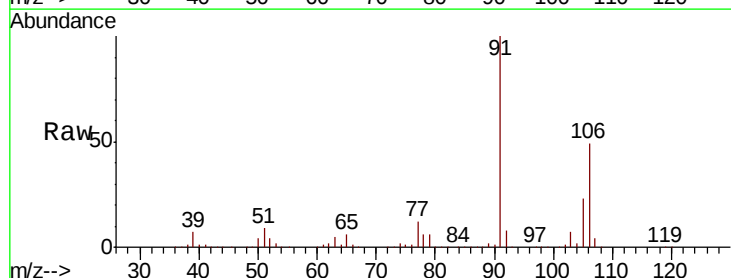
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

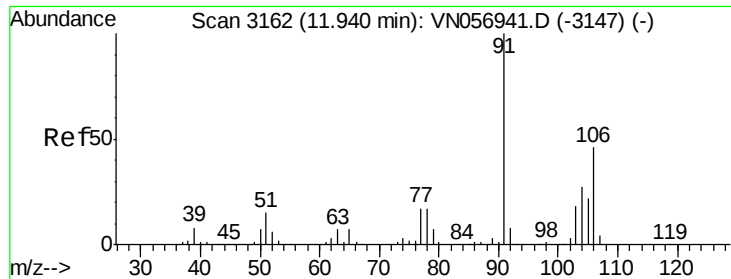
Tot Ion: 91 Resp: 1443302
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7



#68
m/p-Xylenes
Concen: 102.668 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 106 Resp: 1082797
Ion Ratio Lower Upper
106 100
91 200.0 160.0 240.0

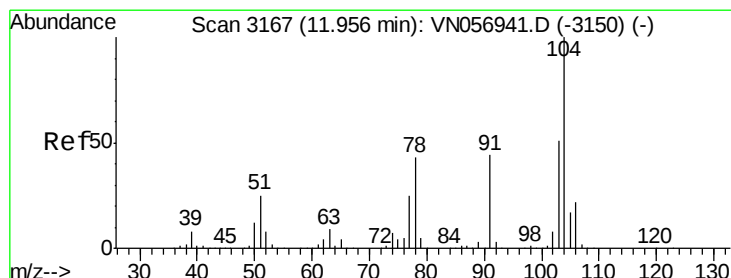
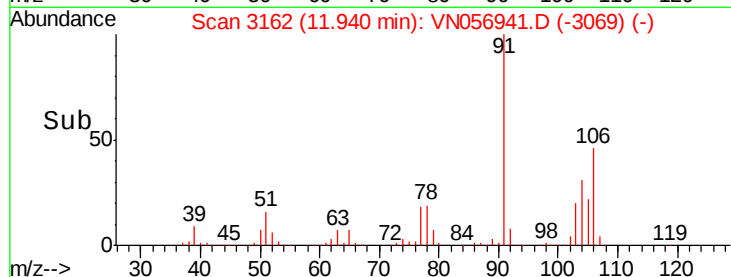
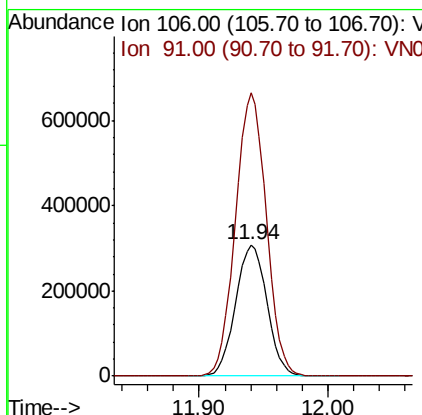
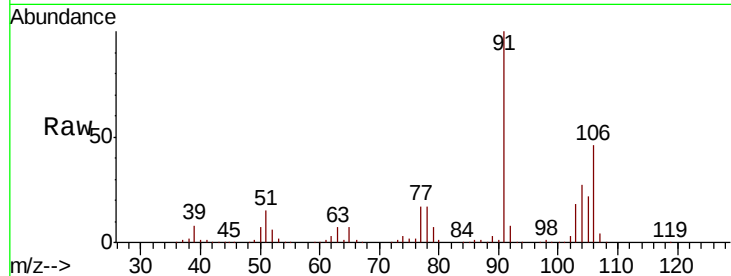




#69
o-Xylene
Concen: 50.442 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

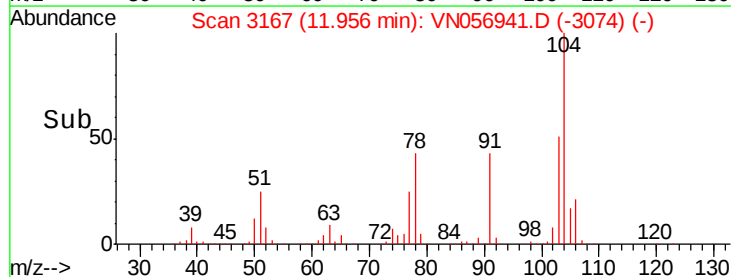
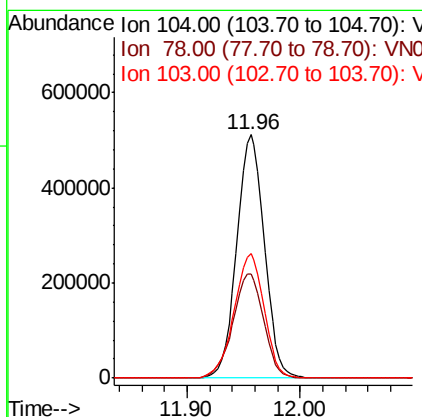
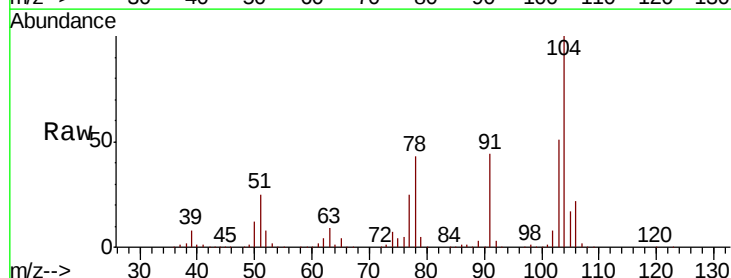
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

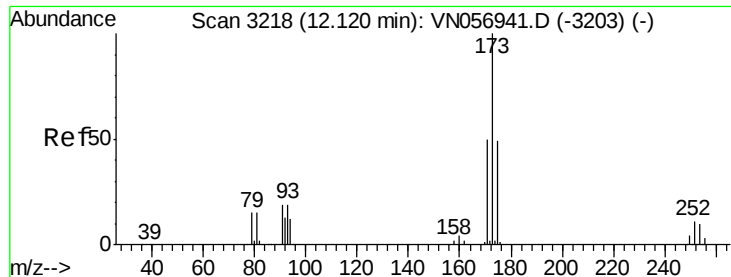
Tot Ion:106 Resp: 520541
Ion Ratio Lower Upper
106 100
91 212.4 106.2 318.6



#70
Styrene
Concen: 53.397 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion:104 Resp: 872929
Ion Ratio Lower Upper
104 100
78 47.6 38.1 57.1
103 55.4 44.3 66.5





#71

Bromoform

Concen: 54.201 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

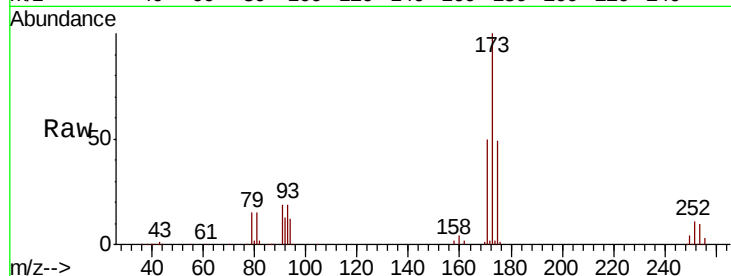
Tot Ion:173 Resp: 233644

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

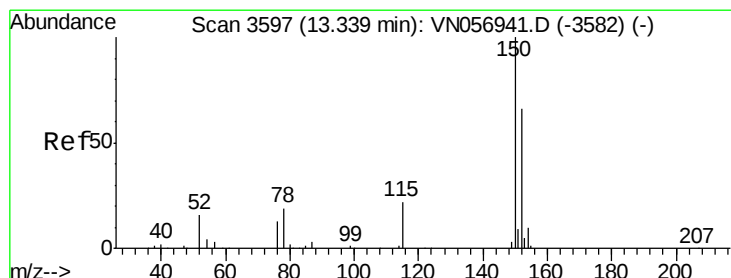
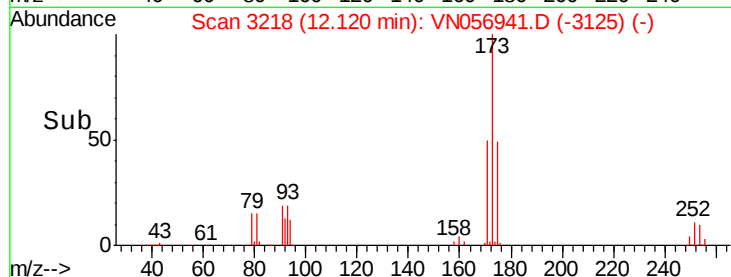
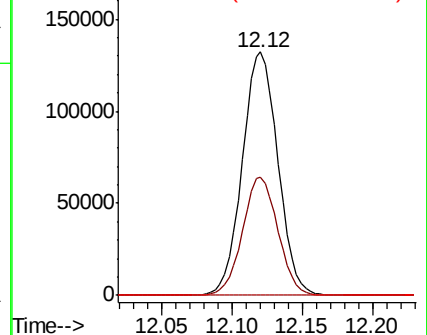
254 0.1 0.1 0.1



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

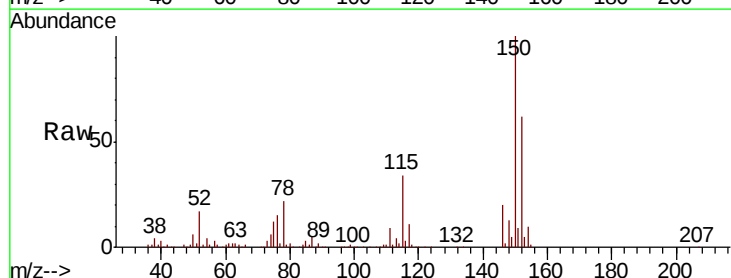
Tgt Ion:152 Resp: 349948

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

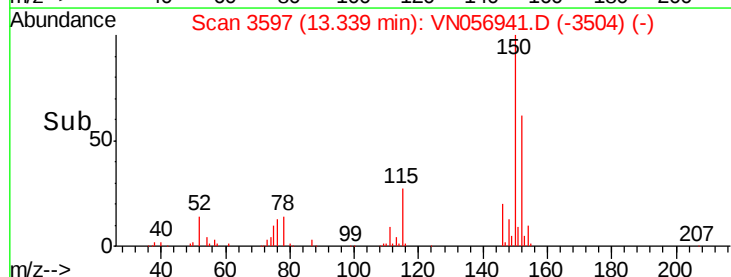
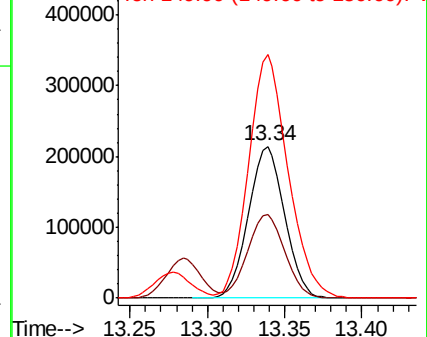
150 174.7 0.0 349.4

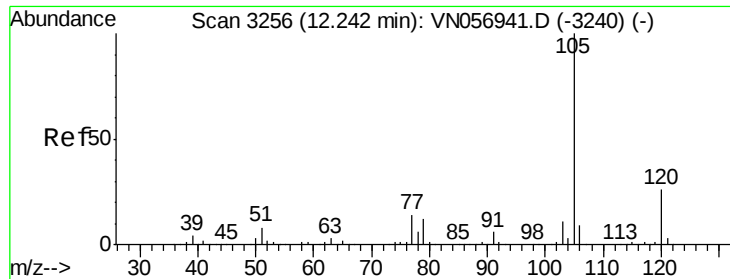


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.667 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

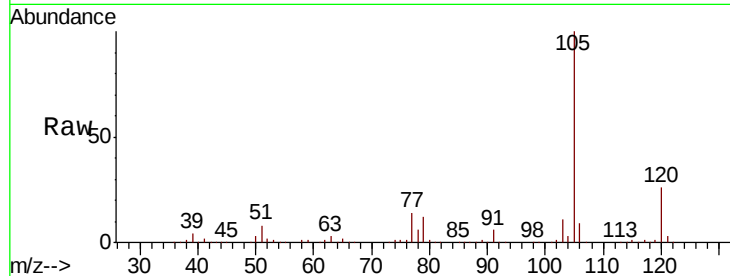
VSTDICCC050

Tot Ion:105 Resp: 1400946

Ion Ratio Lower Upper

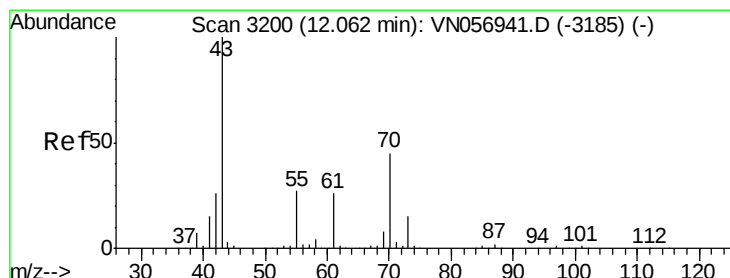
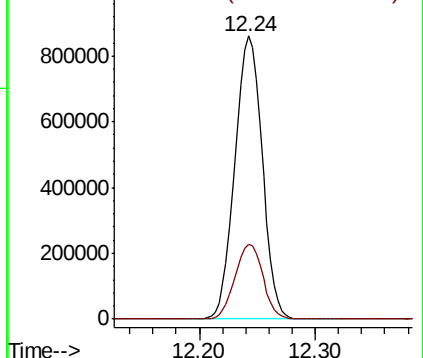
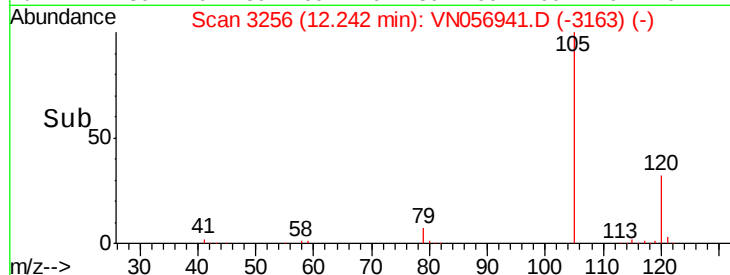
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.812 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion: 43 Resp: 452108

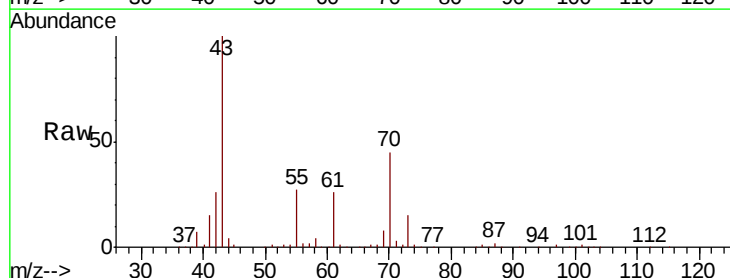
Ion Ratio Lower Upper

43 100

70 45.6 36.5 54.7

55 26.7 21.4 32.0

61 25.6 20.5 30.7

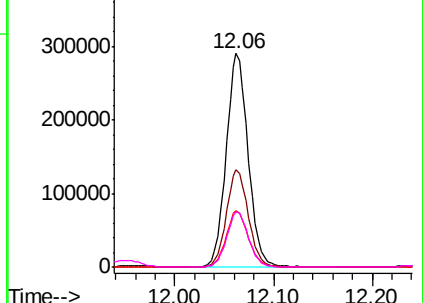
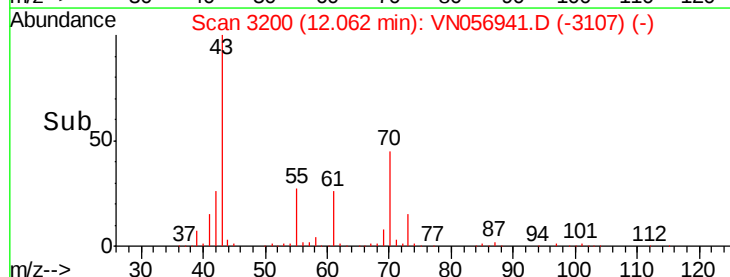


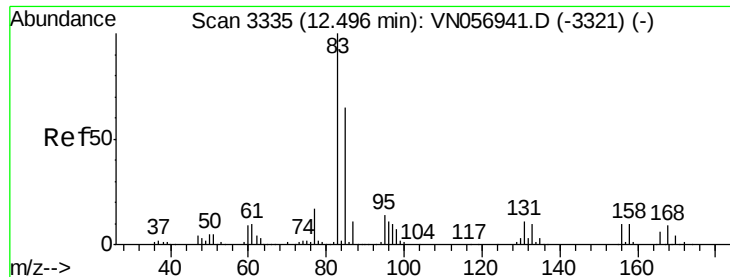
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.797 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

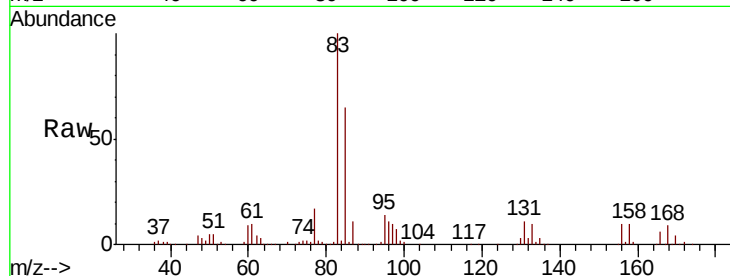
Tot Ion: 83 Resp: 409443

Ion Ratio Lower Upper

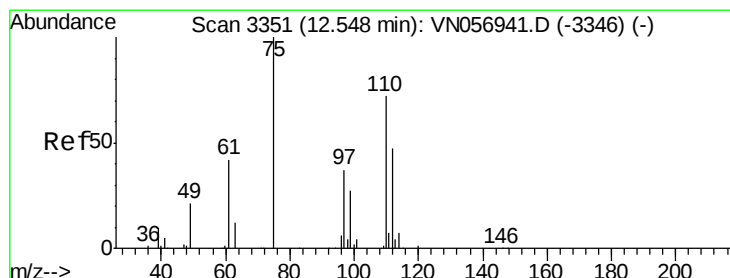
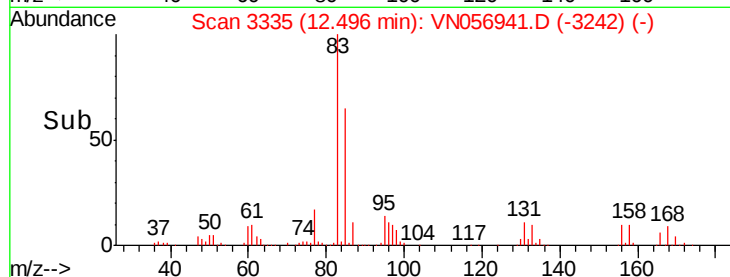
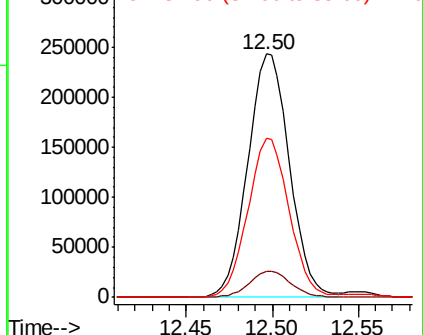
83 100

131 10.7 5.3 16.1

85 64.9 32.5 97.4



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



#76

1,2,3-Trichloropropane

Concen: 72.105 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN056941.D

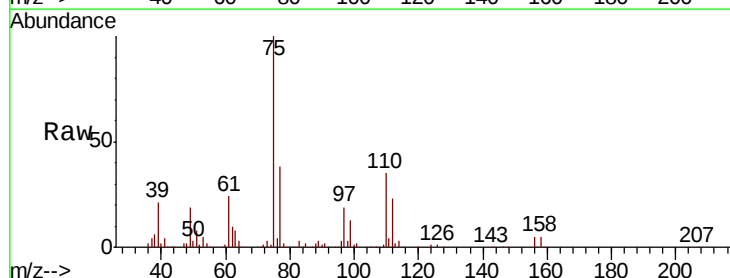
Acq: 26 Jul 2019 10:34

Tgt Ion: 75 Resp: 494073

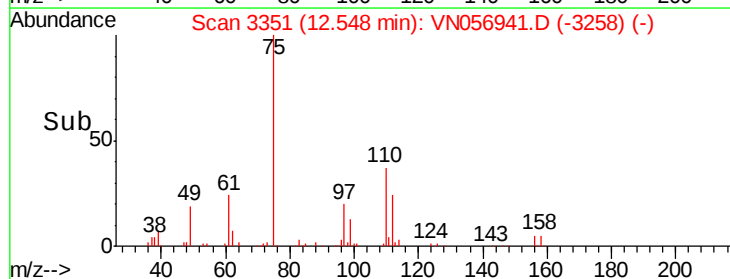
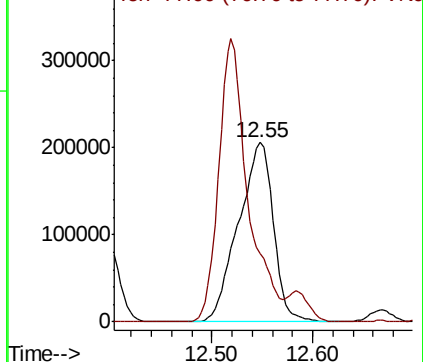
Ion Ratio Lower Upper

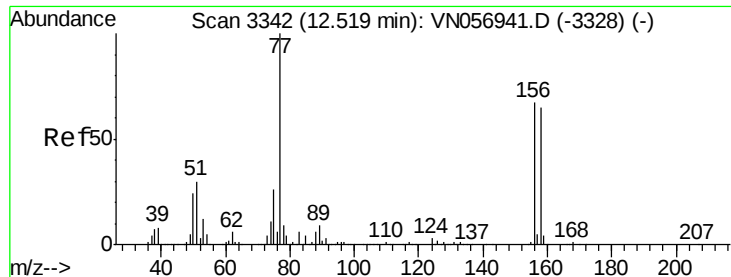
75 100

77 0.0 0.0 0.0



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

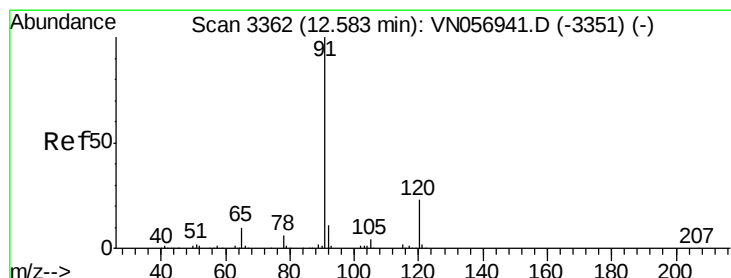
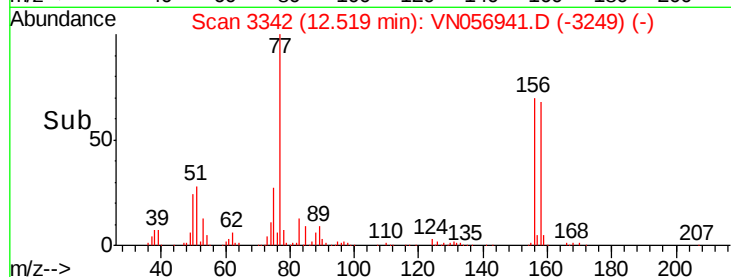
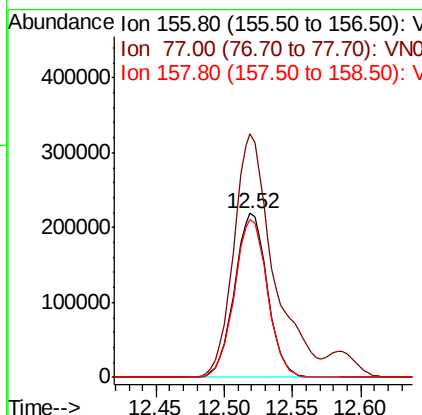
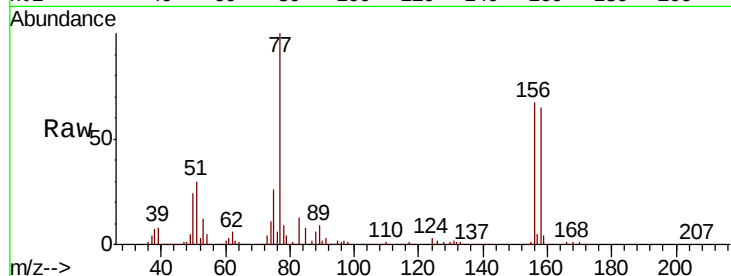




#77
Bromobenzene
Concen: 45.625 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

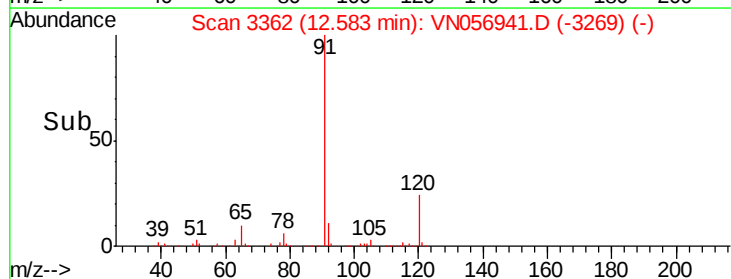
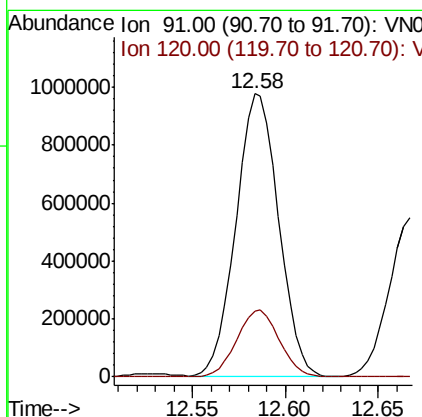
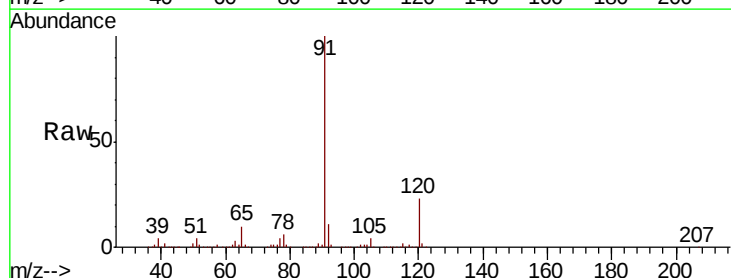
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

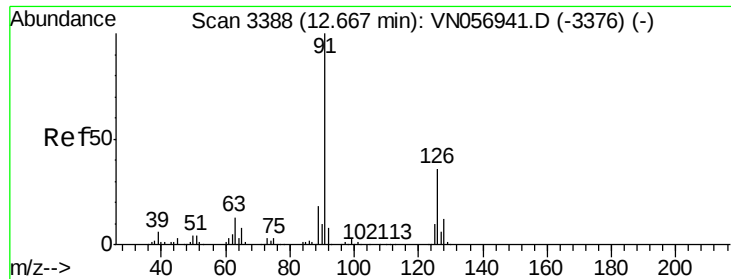
Tot Ion:156 Resp: 366474
Ion Ratio Lower Upper
156 100
77 179.0 89.5 268.5
158 96.9 48.4 145.3



#78
n-propylbenzene
Concen: 47.086 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 91 Resp: 1560453
Ion Ratio Lower Upper
91 100
120 23.6 11.8 35.4

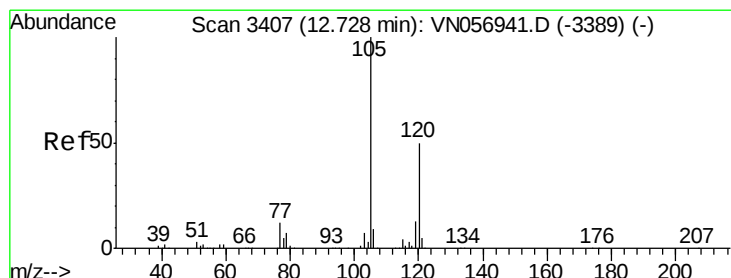
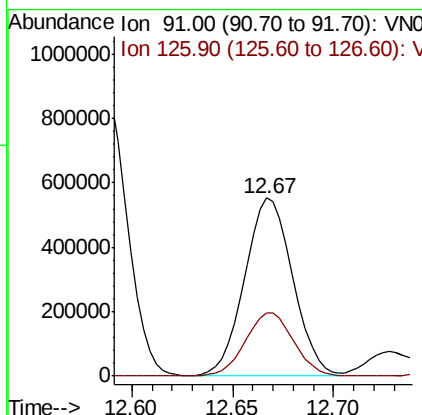
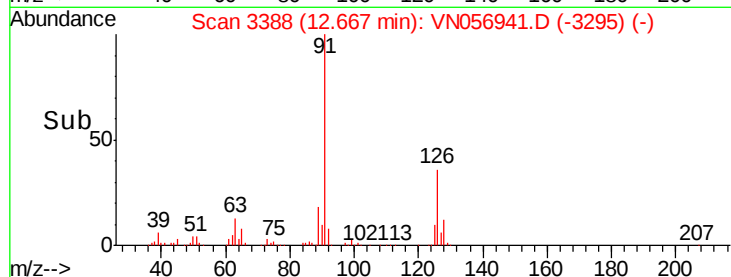
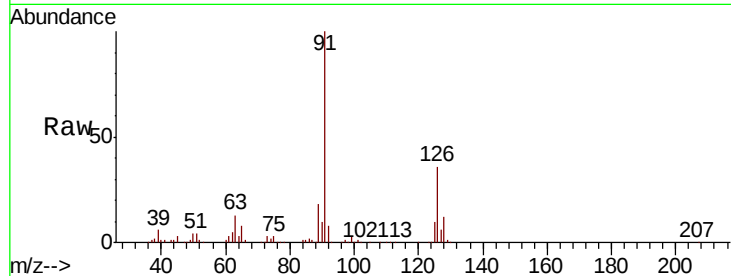




#79
 2-Chlorotoluene
 Concen: 44.618 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

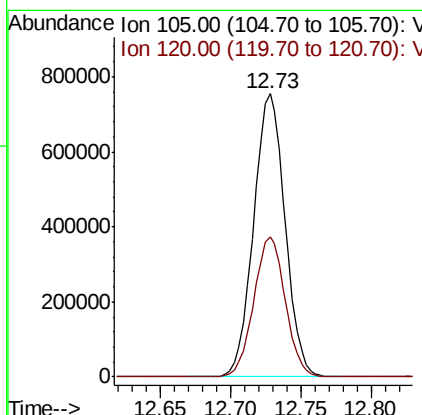
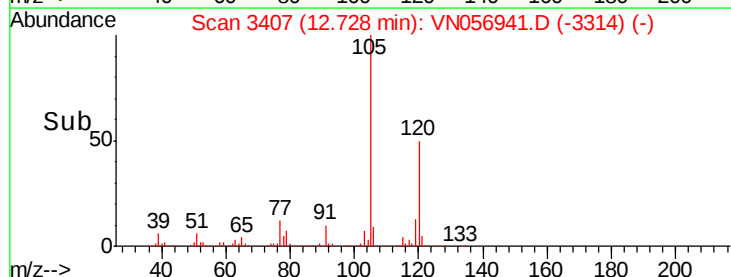
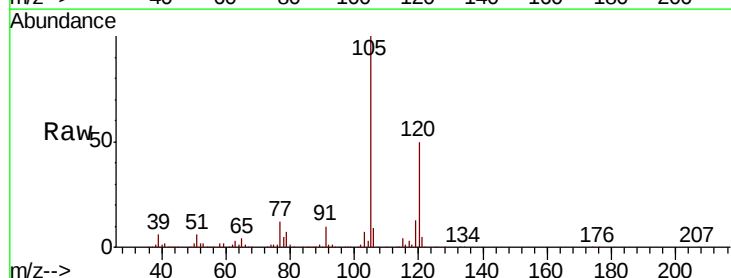
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

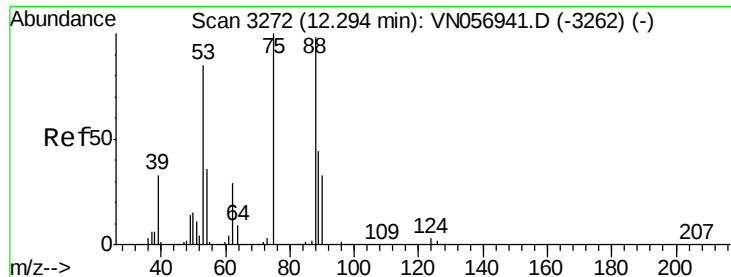
Tot Ion: 91 Resp: 920579
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 45.337 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 105 Resp: 1174326
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.3

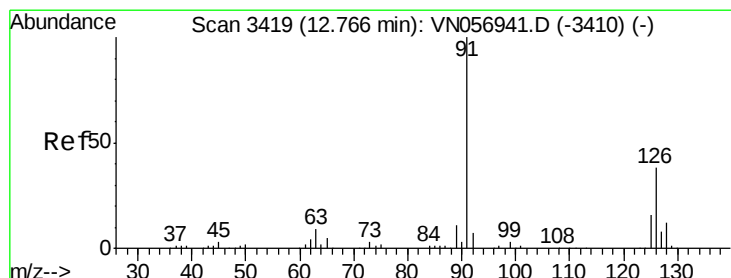
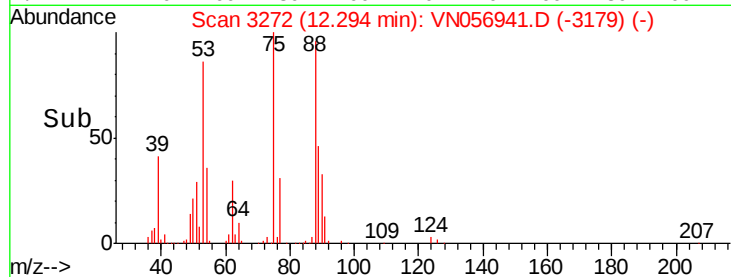
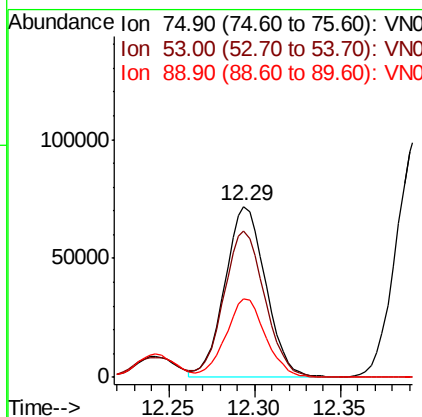
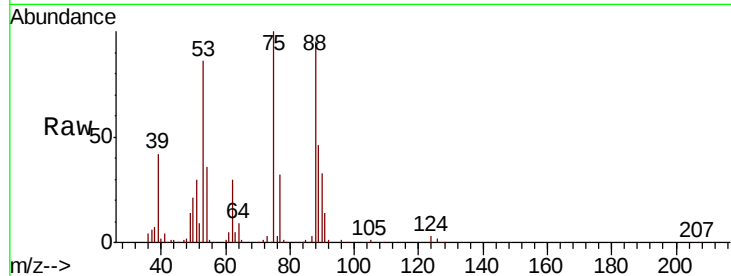




#81
trans-1,4-Dichloro-2-butene
Concen: 53.615 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

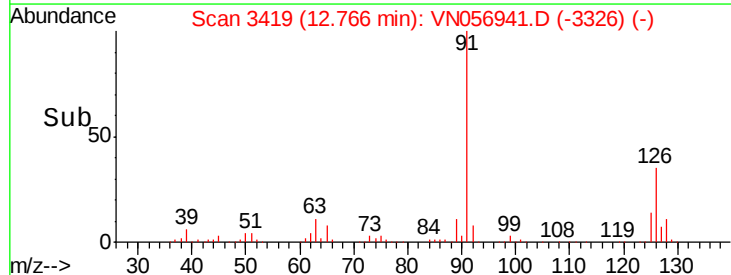
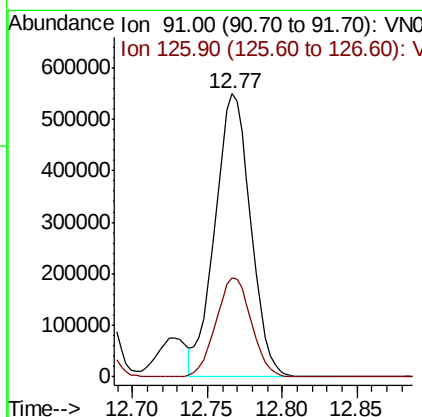
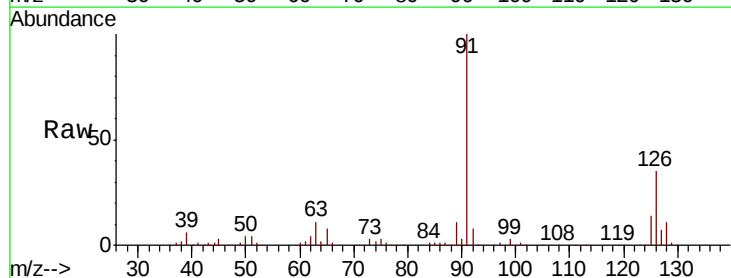
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

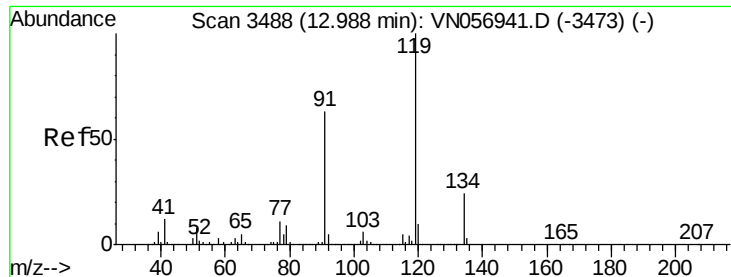
Tot Ion: 75 Resp: 119137
Ion Ratio Lower Upper
75 100
53 86.6 69.3 103.9
89 44.7 35.8 53.6



#82
4-Chlorotoluene
Concen: 47.948 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 91 Resp: 907845
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.5

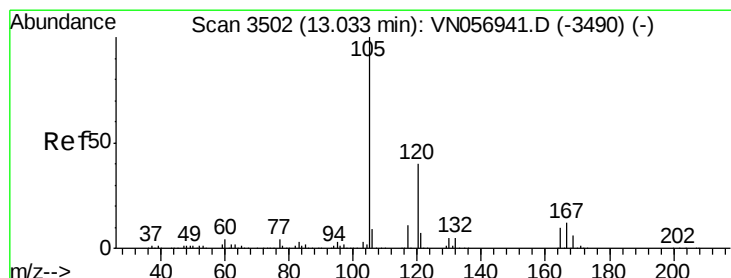
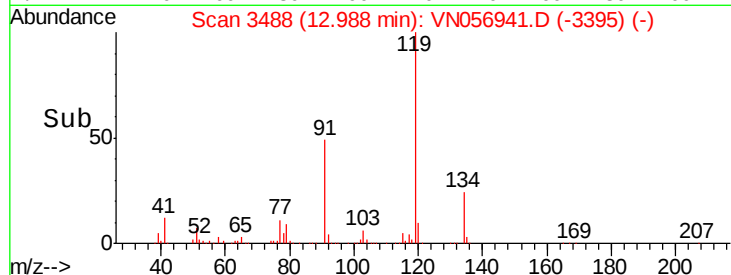
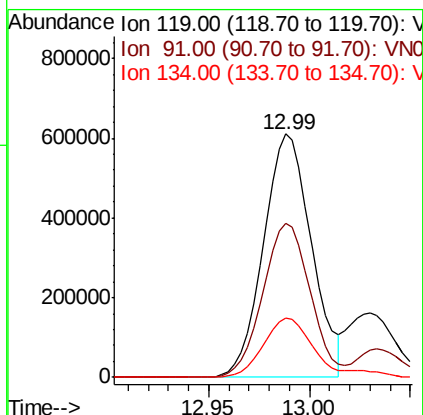
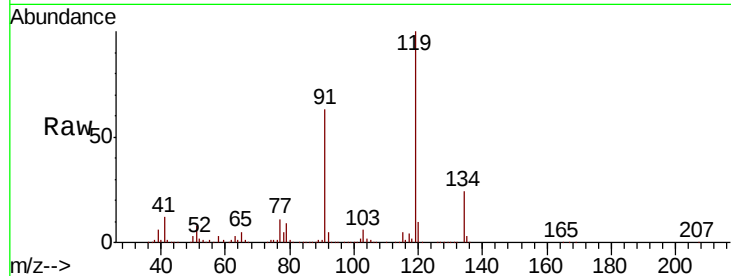




#83
 tert-Butylbenzene
 Concen: 44.241 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

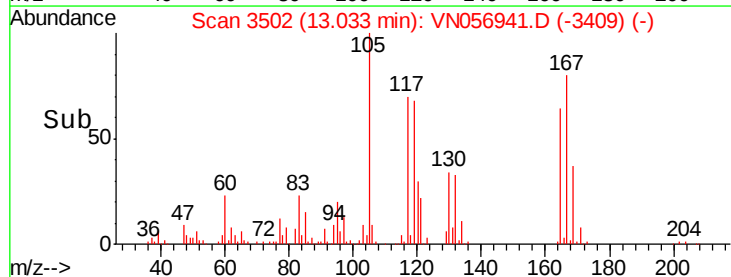
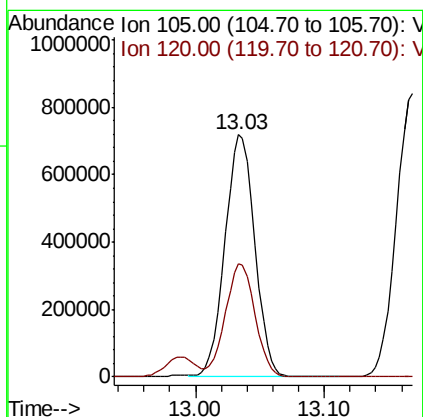
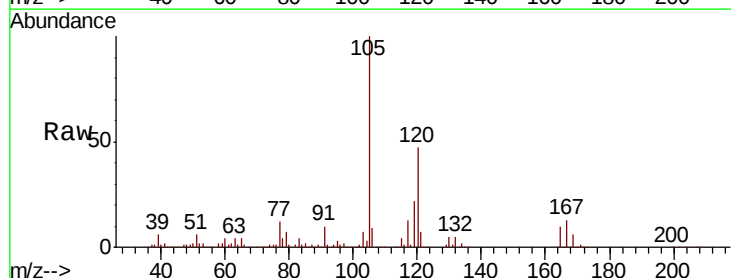
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

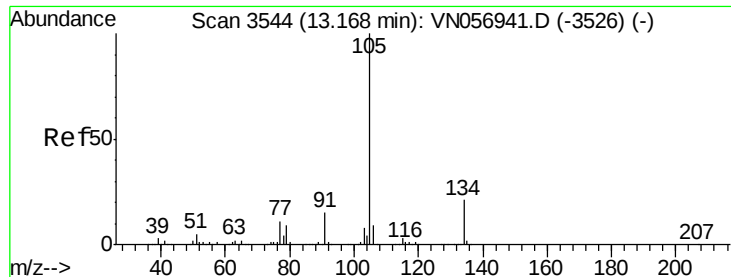
Tot Ion:119 Resp: 1011066
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.3 93.8
 134 26.5 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 46.954 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion:105 Resp: 1150284
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 46.556 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

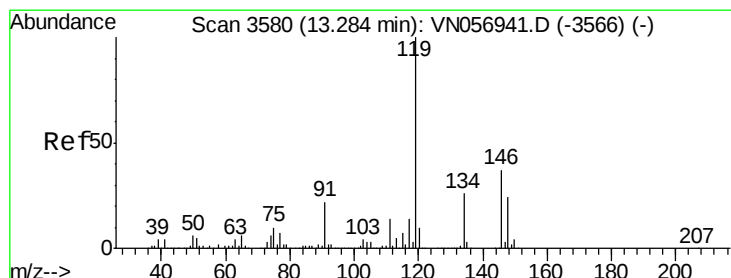
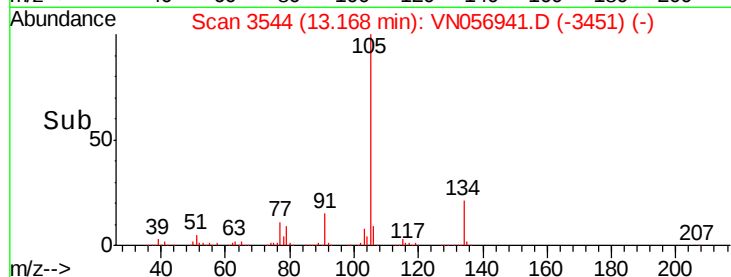
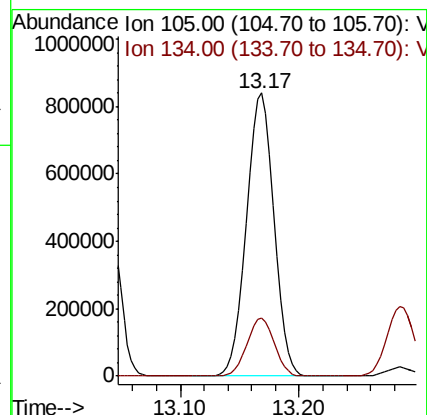
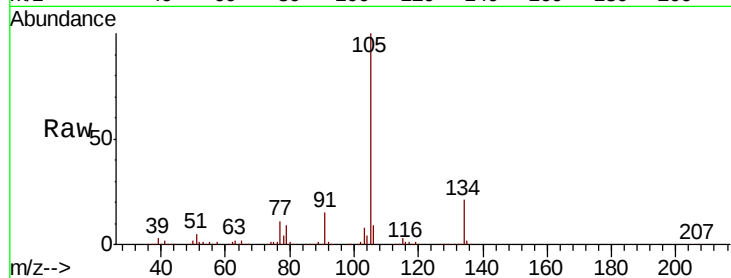
VSTDICCC050

Tot Ion:105 Resp: 1343531

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



#86

p-Isopropyltoluene

Concen: 48.177 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

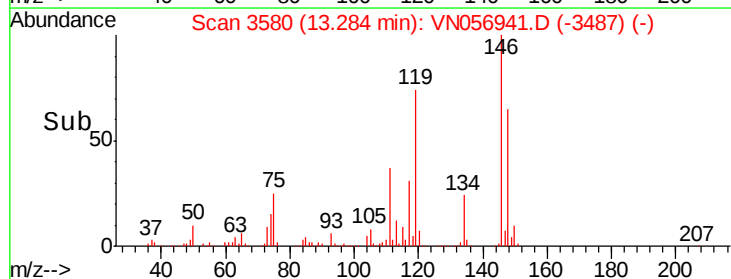
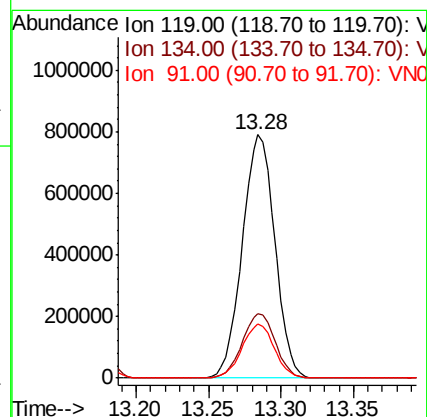
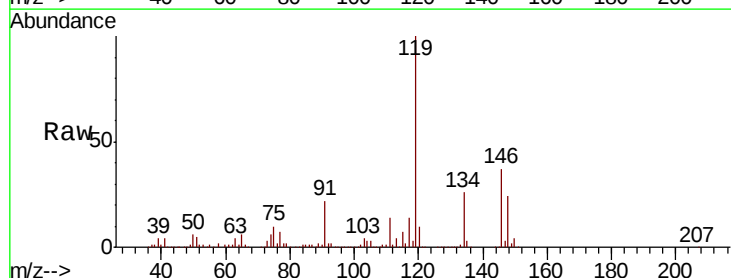
Tgt Ion:119 Resp: 1230140

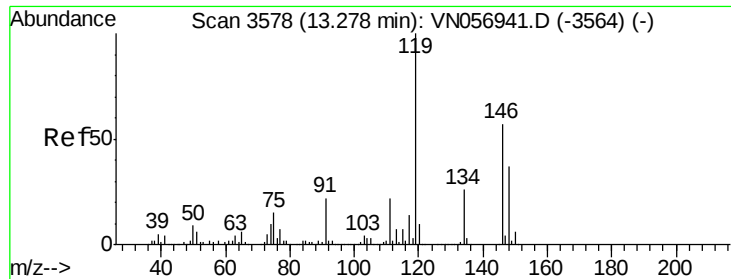
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.0 11.0 33.0

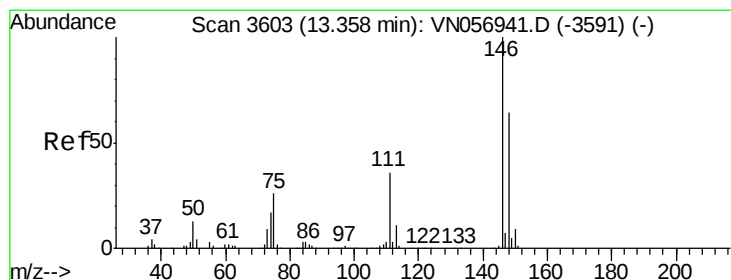
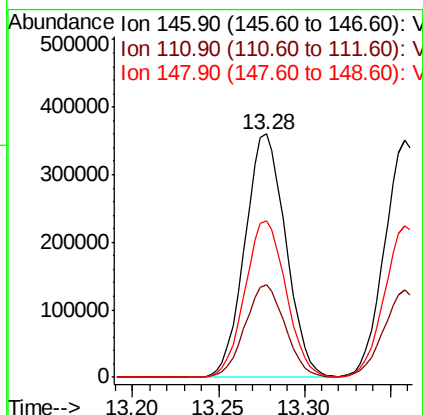
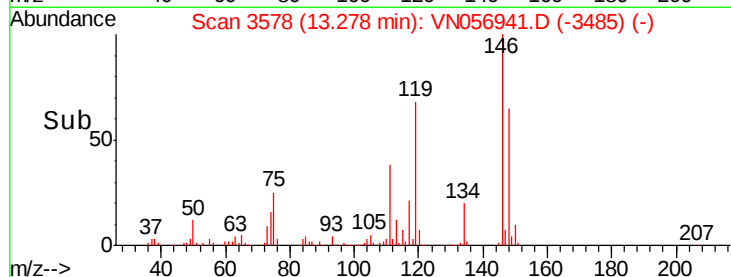
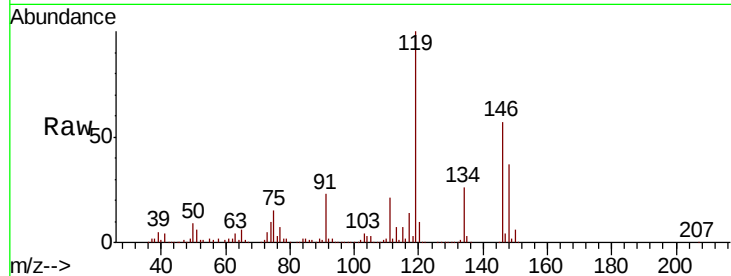




#87
 1,3-Dichlorobenzene
 Concen: 49.520 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

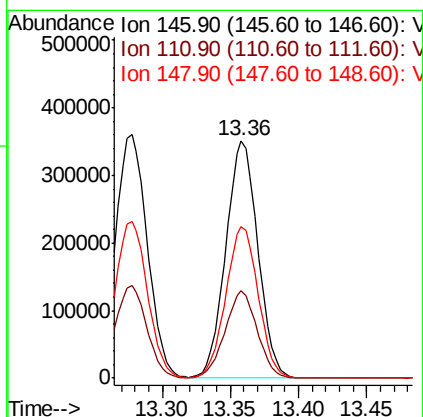
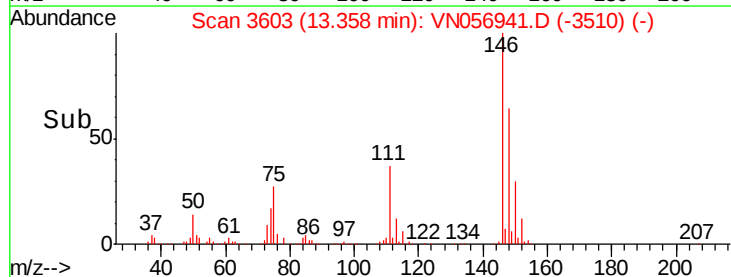
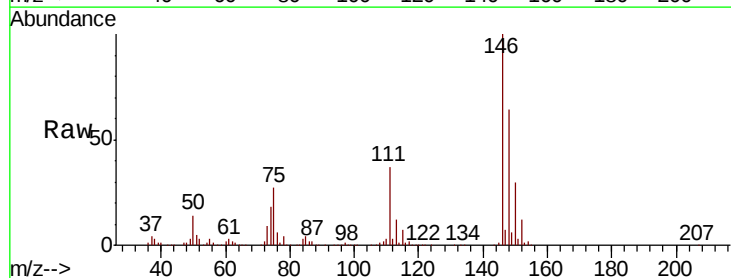
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

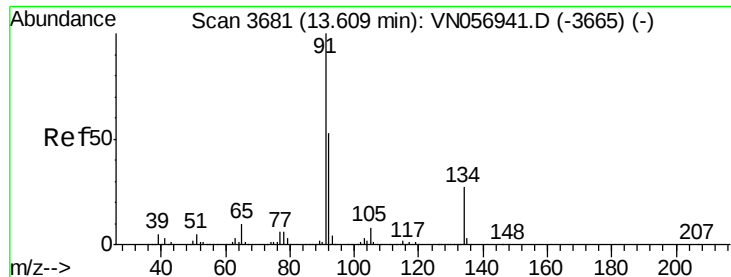
Tot Ion:146 Resp: 594263
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.758 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion:146 Resp: 573474
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 64.6 32.3 96.9

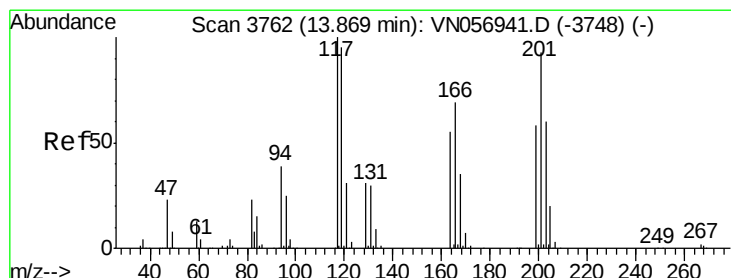
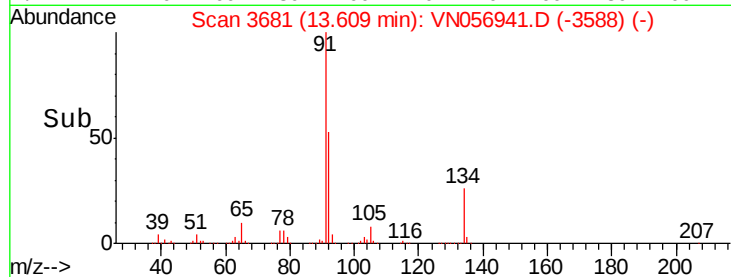
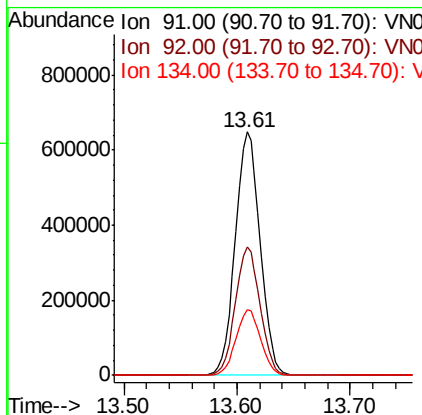
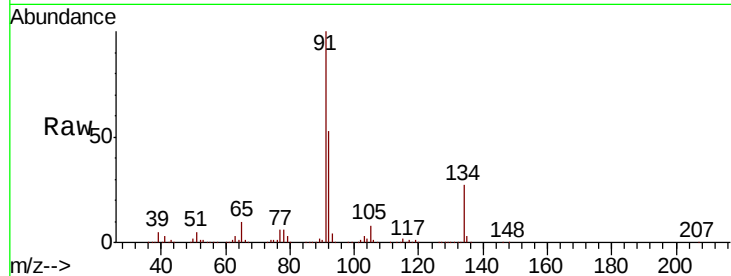




#89
n-Butylbenzene
Concen: 50.265 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

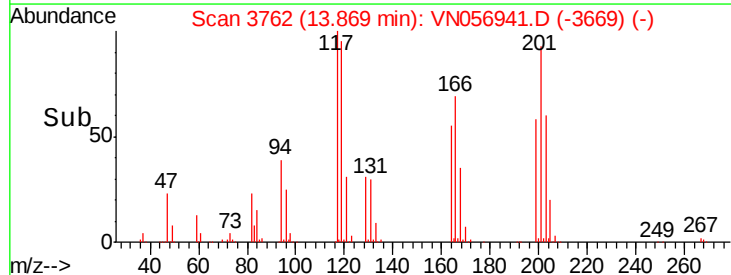
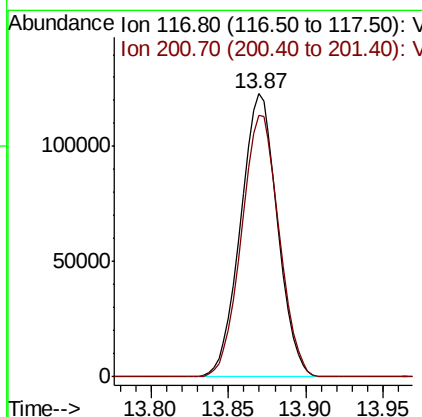
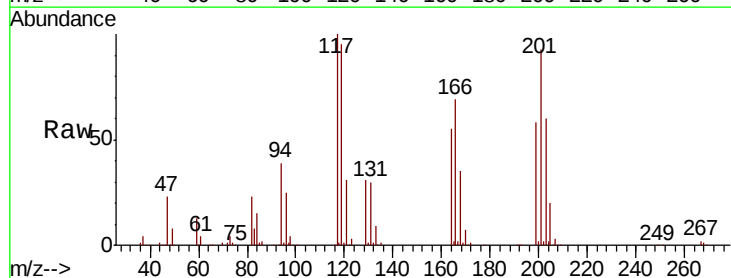
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

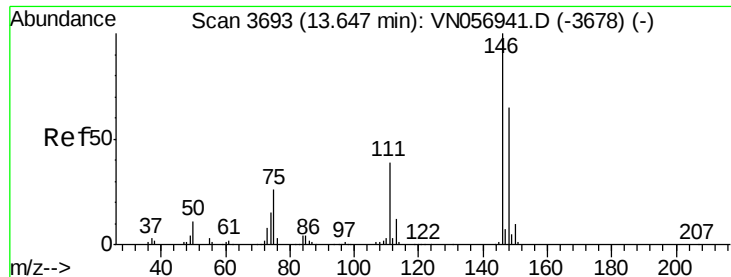
Tot Ion: 91 Resp: 991962
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 26.9 13.5 40.4



#90
Hexachloroethane
Concen: 44.918 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 117 Resp: 204298
Ion Ratio Lower Upper
117 100
201 94.1 47.0 141.2

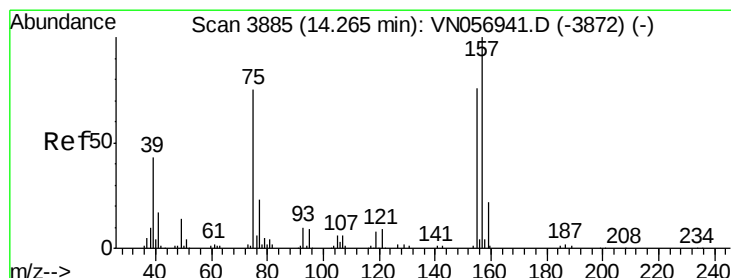
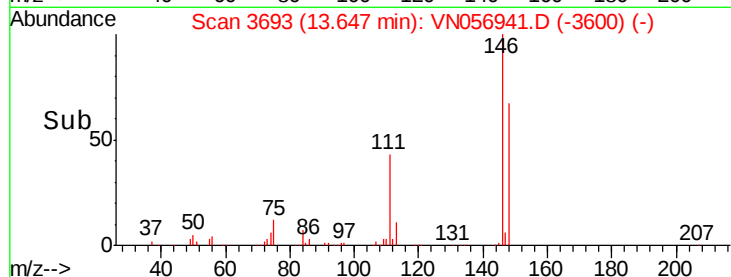
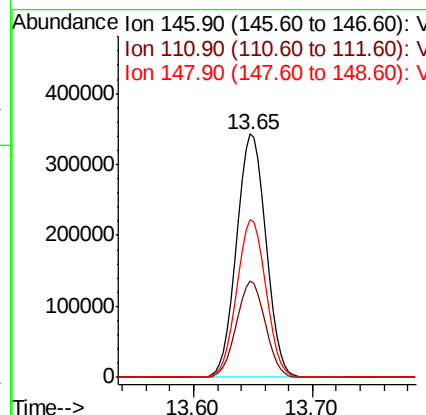
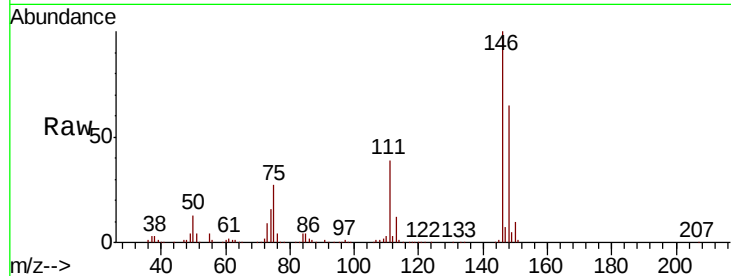




#91
 1,2-Dichlorobenzene
 Concen: 48.313 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

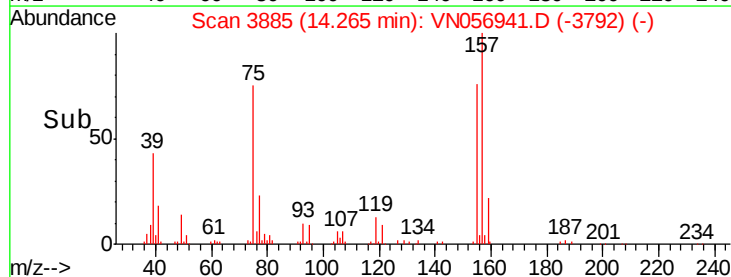
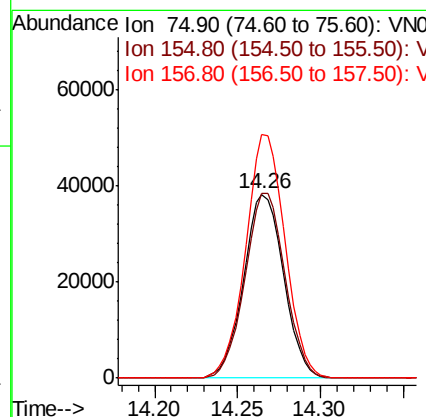
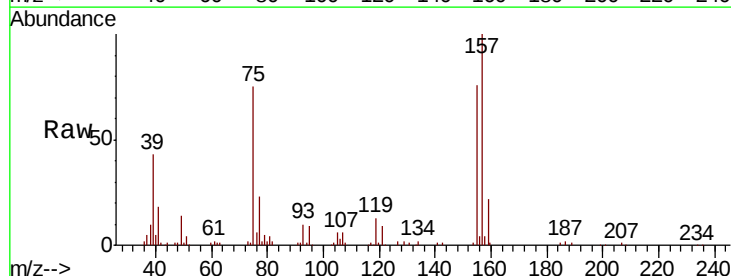
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

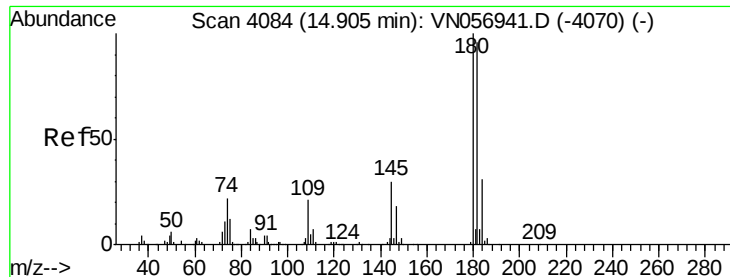
Tot Ion:146 Resp: 587734
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.4
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.468 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 75 Resp: 64260
 Ion Ratio Lower Upper
 75 100
 155 100.4 50.2 150.6
 157 130.3 65.1 195.4

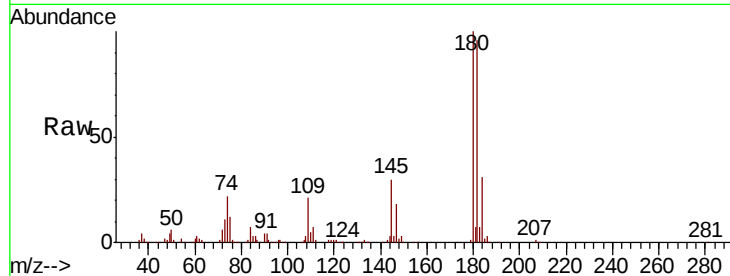




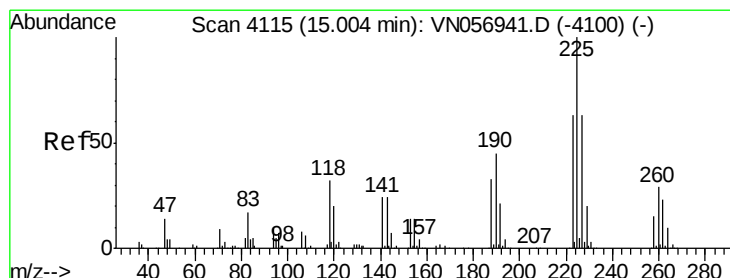
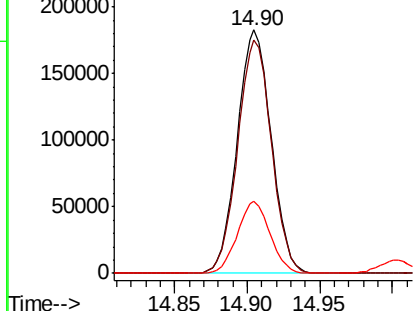
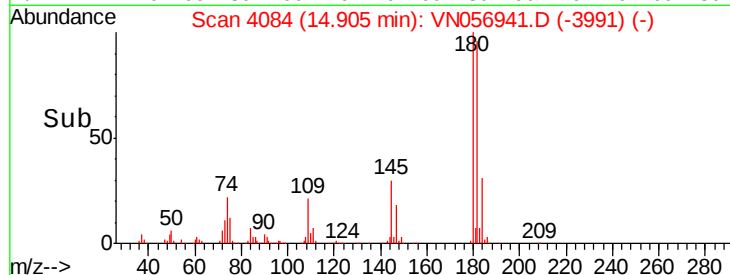
#93
 1,2,4-Trichlorobenzene
 Concen: 58.428 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 296616
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.6 142.8
 145 28.5 14.2 42.8

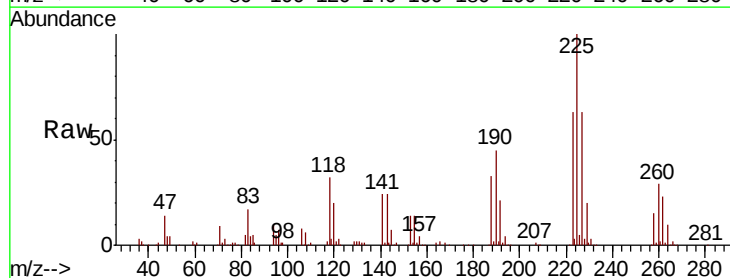


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

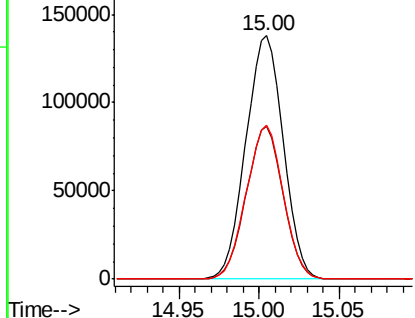
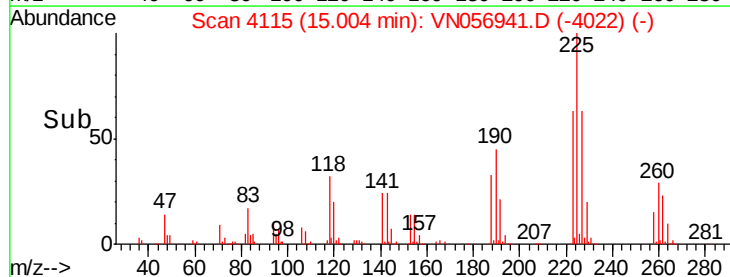


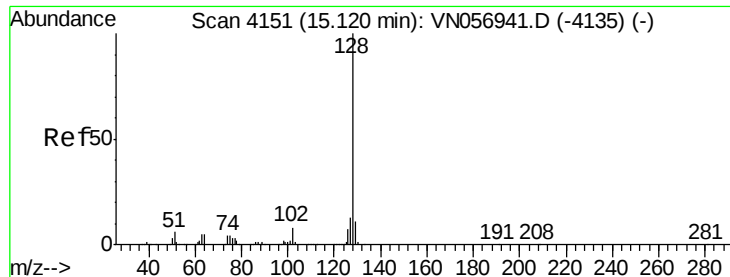
#94
 Hexachlorobutadiene
 Concen: 44.848 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion:225 Resp: 221332
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.8 92.4
 227 62.3 31.1 93.5



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





#95

Naphthalene

Concen: 56.084 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

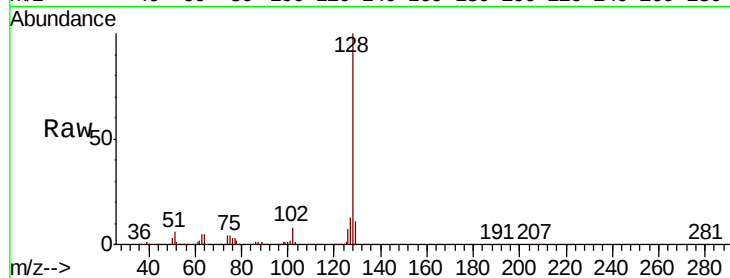
Tot Ion:128 Resp: 709266

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.9 8.7 13.1

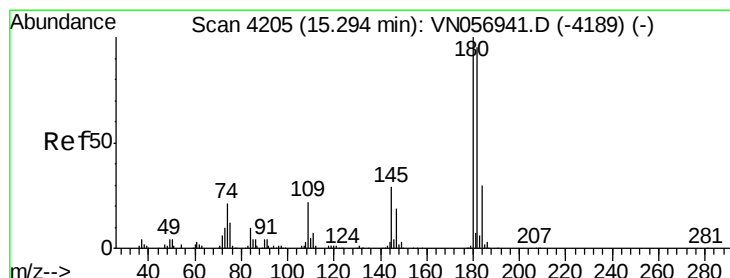
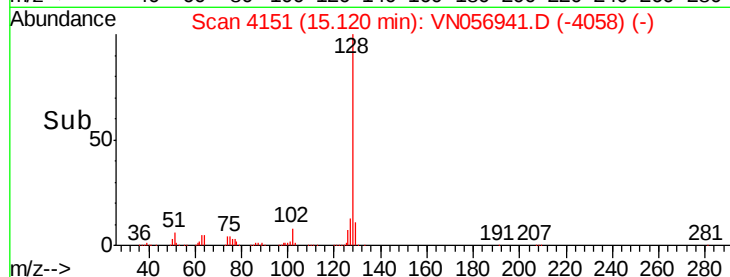
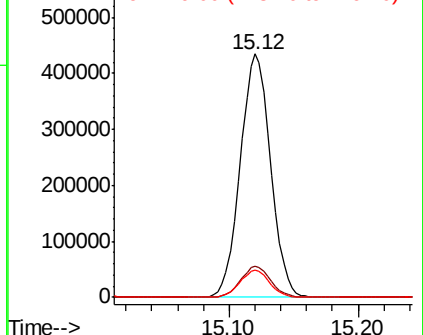


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.065 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

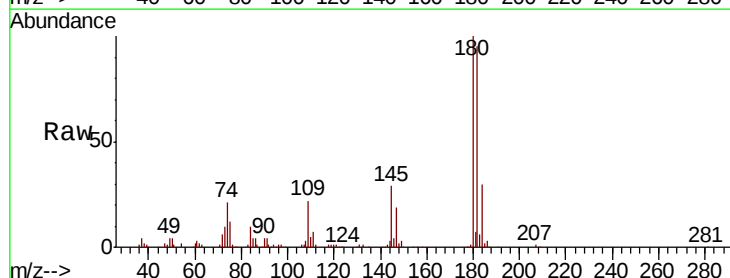
Tgt Ion:180 Resp: 300066

Ion Ratio Lower Upper

180 100

182 96.1 48.0 144.2

145 30.0 15.0 45.0



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

