

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055481.D
 Acq On : 8 May 2019 17:49
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: May 09 03:44:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	712756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1213496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1064290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	456395	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	527270	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	7.59	113	392994	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.09	98	1560638	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.40	95	537712	58.13	ug/l	0.00
Spiked Amount			Recovery	=	116.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	337897	40.439	ug/l	100
3) Chloromethane	2.06	50	548580	50.364	ug/l	100
4) Vinyl Chloride	2.19	62	523068	57.632	ug/l	100
5) Bromomethane	2.53	94	287979	59.231	ug/l	100
6) Chloroethane	2.68	64	301338	60.432	ug/l	100
7) Trichlorofluoromethane	3.01	101	581620	46.962	ug/l	100
8) Diethyl Ether	3.41	74	261119	57.976	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	366674	49.382	ug/l	100
10) Methyl Iodide	3.94	142	536150	51.446	ug/l	100
11) Tert butyl alcohol	4.82	59	401967	536.246	ug/l	100
12) 1,1-Dichloroethene	3.73	96	374559	52.292	ug/l	100
13) Acrolein	3.60	56	259508	482.676	ug/l	100
14) Allyl chloride	4.32	41	788045	53.127	ug/l	100
15) Acrylonitrile	4.99	53	1238527	372.669	ug/l	100
16) Acetone	3.82	43	1193505	367.268	ug/l	100
17) Carbon Disulfide	4.04	76	1040057	55.387	ug/l	100
18) Methyl Acetate	4.33	43	527320	58.704	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1280762	61.768	ug/l	100
20) Methylene Chloride	4.55	84	464950	51.258	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	407633	53.571	ug/l	100
22) Diisopropyl ether	5.96	45	1640309	55.356	ug/l	100
23) Vinyl Acetate	5.90	43	6597885	329.141	ug/l	100
24) 1,1-Dichloroethane	5.85	63	841417	53.296	ug/l	100
25) 2-Butanone	6.85	43	1781311	417.253	ug/l	100
26) 2,2-Dichloropropane	6.82	77	543437	50.561	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	484016	55.636	ug/l	100
28) Bromochloromethane	7.20	49	453876	56.383	ug/l	100
29) Tetrahydrofuran	7.22	42	1140248	416.906	ug/l	100
30) Chloroform	7.37	83	784560	52.614	ug/l	100
31) Cyclohexane	7.65	56	805706	53.211	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	607958	50.679	ug/l	100
36) 1,1-Dichloropropene	7.79	75	607650	51.469	ug/l	100
37) Ethyl Acetate	6.94	43	674273	69.280	ug/l	100
38) Carbon Tetrachloride	7.77	117	487394	44.021	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	719858	56.591	ug/l	100
40) Benzene	8.04	78	1880076	53.886	ug/l	100
41) Methacrylonitrile	7.18	41	333841	66.388	ug/l	100
42) 1,2-Dichloroethane	8.13	62	633195	51.468	ug/l	100
43) Isopropyl Acetate	8.17	43	1059864	68.911	ug/l	100
44) Trichloroethene	8.83	130	435292	49.542	ug/l	100
45) 1,2-Dichloropropane	9.12	63	524209	52.286	ug/l	100
46) Dibromomethane	9.21	93	306271	55.226	ug/l	100
47) Bromodichloromethane	9.40	83	593760	50.886	ug/l	100
48) Methyl methacrylate	9.20	41	505657	67.264	ug/l	100
49) 1,4-Dioxane	9.20	88	197091	2110.696	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3438634	383.088	ug/l	100
52) Toluene	10.16	92	1093154	54.553	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	611827	59.409	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	727862	57.094	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	431140	57.238	ug/l	100
56) Ethyl methacrylate	10.43	69	677241	70.280	ug/l	100
57) 1,3-Dichloropropane	10.71	76	777130	58.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1027126	392.807	ug/l	100
59) 2-Hexanone	10.75	43	2406214	415.850	ug/l	100
60) Dibromochloromethane	10.90	129	415661	55.194	ug/l	100
61) 1,2-Dibromoethane	11.01	107	429757	61.135	ug/l	100
64) Tetrachloroethene	10.63	164	417176	47.652	ug/l	100
65) Chlorobenzene	11.43	112	1099399	52.155	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	381751	47.126	ug/l	100
67) Ethyl Benzene	11.51	91	2081452	54.435	ug/l	100
68) m/p-Xylenes	11.62	106	1512103	110.530	ug/l	100
69) o-Xylene	11.95	106	743360	54.807	ug/l	100
70) Styrene	11.96	104	1257273	60.055	ug/l	100
71) Bromoform	12.13	173	274848	59.428	ug/l	100
73) Isopropylbenzene	12.25	105	1959813	42.767	ug/l	100
74) N-amyl acetate	12.07	43	866965	68.555	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	638327	52.627	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	782031	71.744	ug/l #	100
77) Bromobenzene	12.53	156	450817	43.495	ug/l	100
78) n-propylbenzene	12.59	91	2278001	48.020	ug/l	100
79) 2-Chlorotoluene	12.67	91	1389228	45.792	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1700229	46.888	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	164875	63.102	ug/l	100
82) 4-Chlorotoluene	12.77	91	1352904	48.874	ug/l	100
83) tert-Butylbenzene	12.99	119	1420144	43.832	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1632521	50.353	ug/l	100
85) sec-Butylbenzene	13.17	105	1914360	48.405	ug/l	100
86) p-Isopropyltoluene	13.29	119	1640435	50.539	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	769042	49.813	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	742776	51.060	ug/l	100
89) n-Butylbenzene	13.61	91	1369357	58.513	ug/l	100
90) Hexachloroethane	13.87	117	255387	42.318	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	760448	49.650	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	105476	78.719	ug/l	100

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QLast Update : Thu May 09 03:36:06 2019
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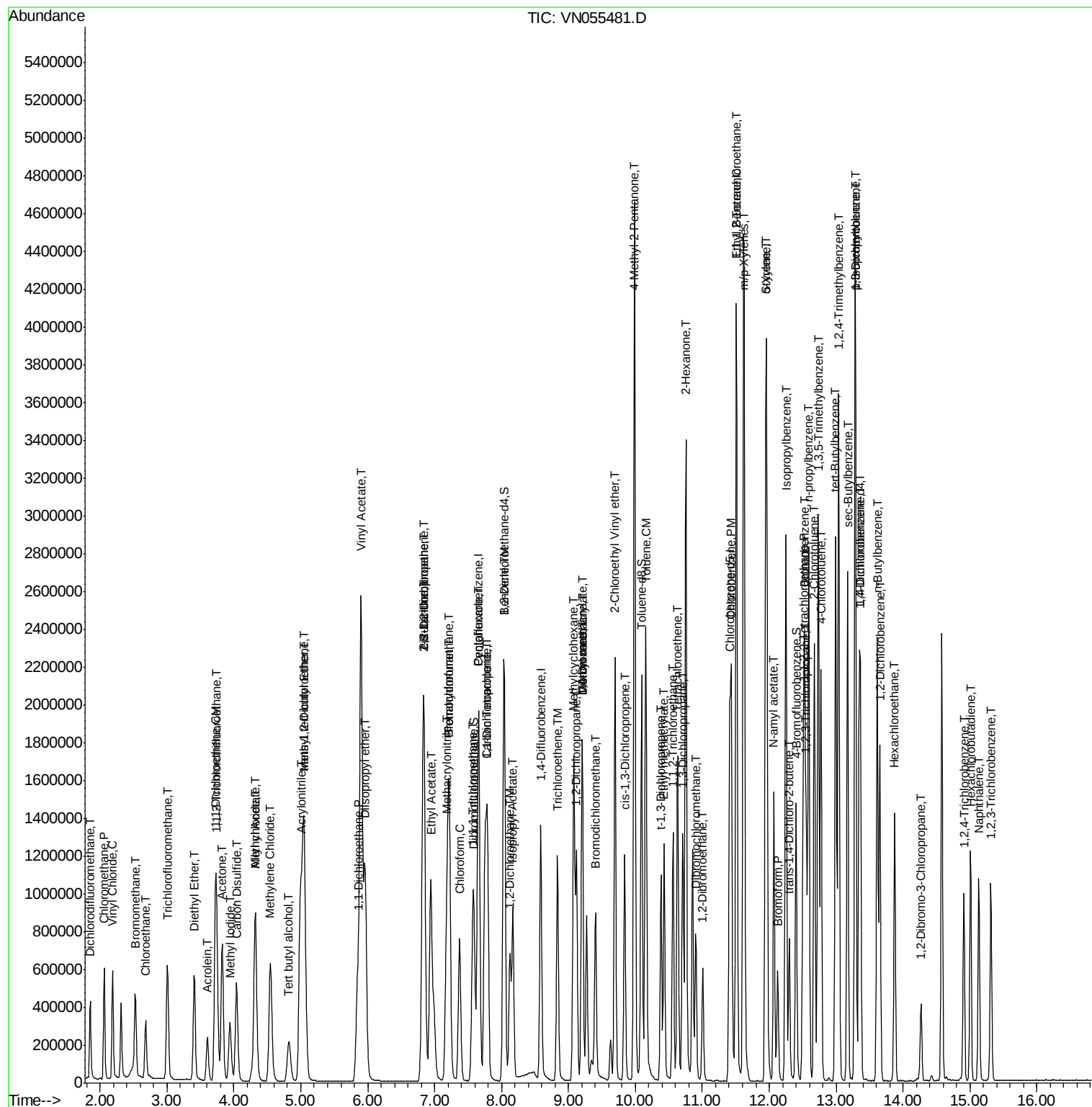
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	315475	64.552	ug/l	100
94) Hexachlorobutadiene	15.01	225	237674	42.298	ug/l	100
95) Naphthalene	15.13	128	902293	79.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	353663	69.035	ug/l	100

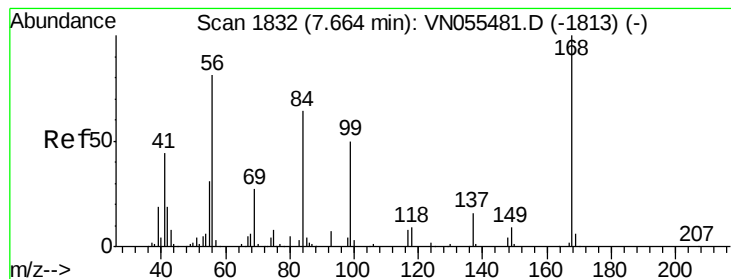
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

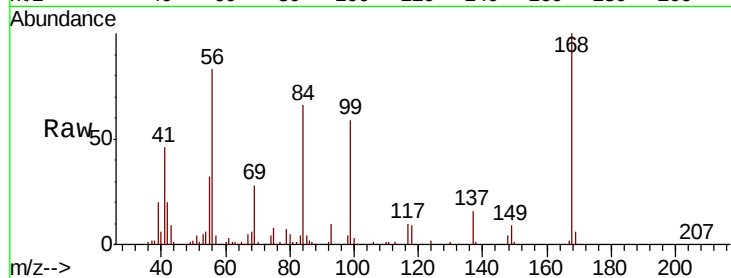
VSTDICCC050

Tot Ion:168 Resp: 712756

Ion Ratio Lower Upper

168 100

99 58.7 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

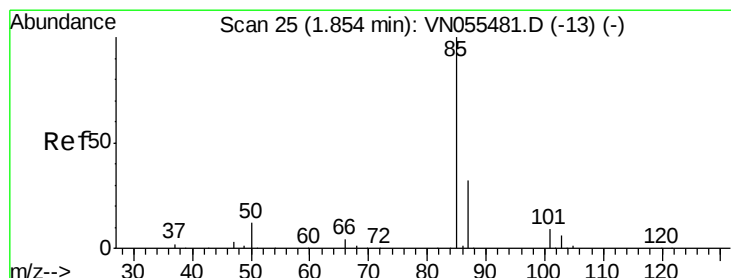
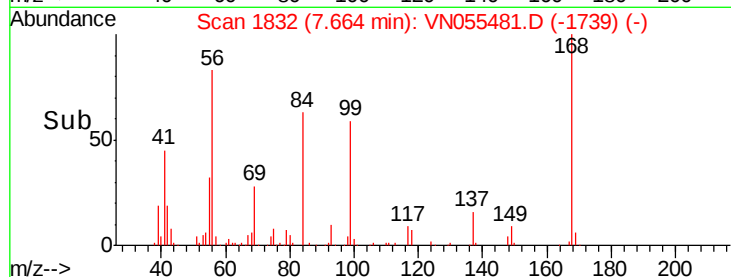
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.439 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055481.D

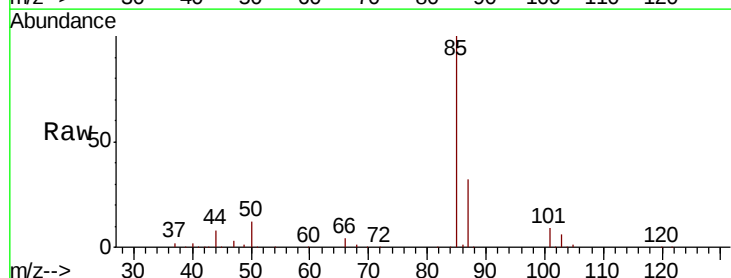
Acq: 8 May 2019 17:49

Tgt Ion: 85 Resp: 337897

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

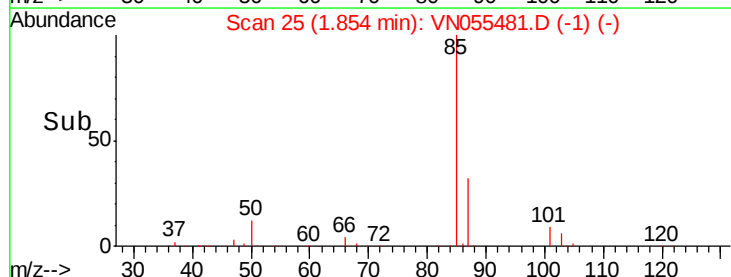
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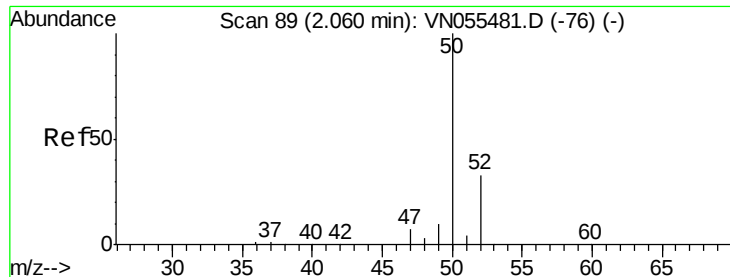
50000

0

1.80 1.90 2.00

Time-->

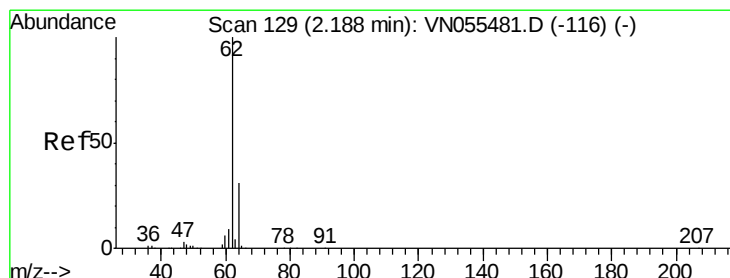
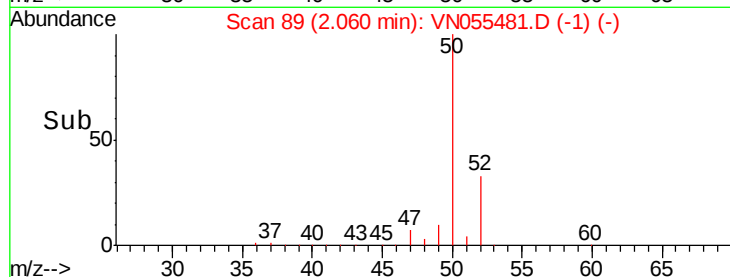
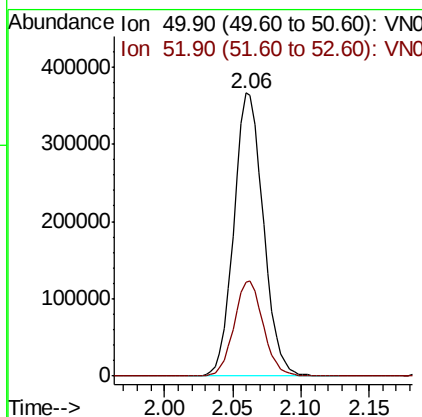
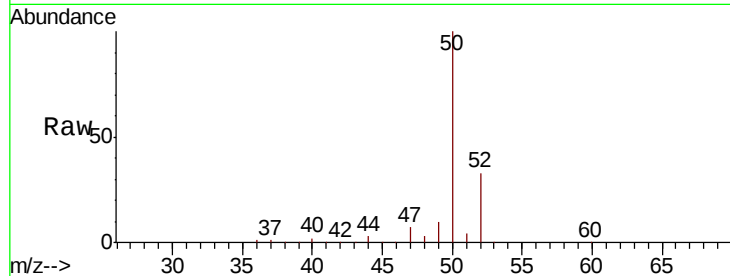




#3
 Chloromethane
 Concen: 50.364 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

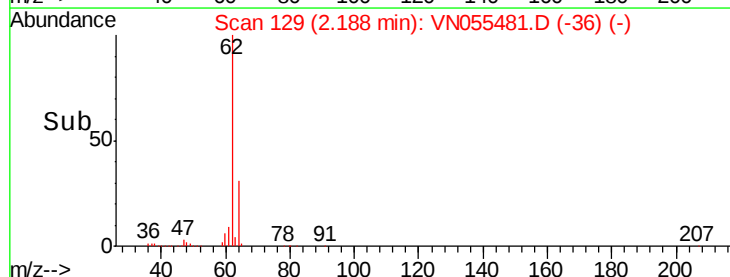
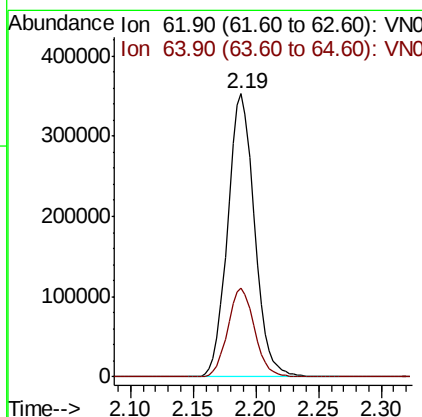
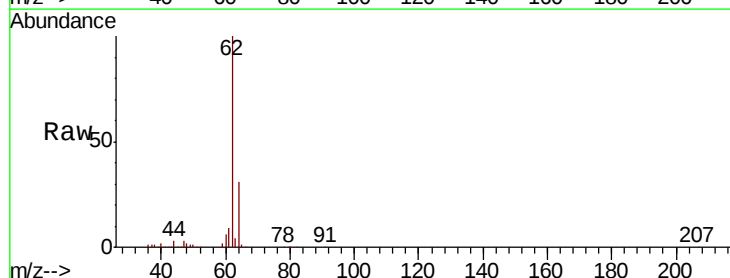
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

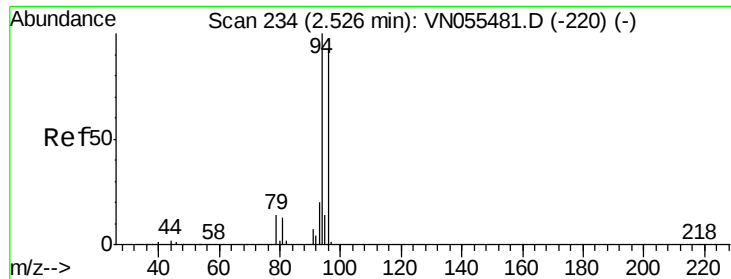
Tot Ion: 50 Resp: 548580
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.6 39.8



#4
 Vinyl Chloride
 Concen: 57.632 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 62 Resp: 523068
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.0 37.6





#5

Bromomethane

Concen: 59.231 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

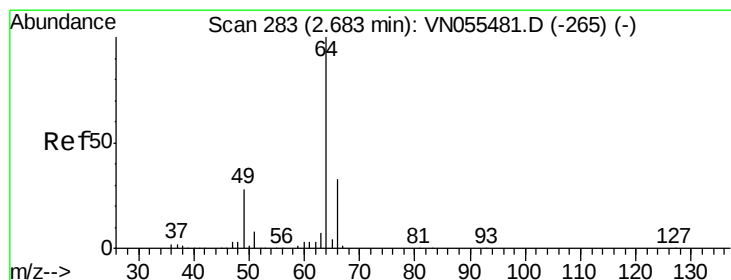
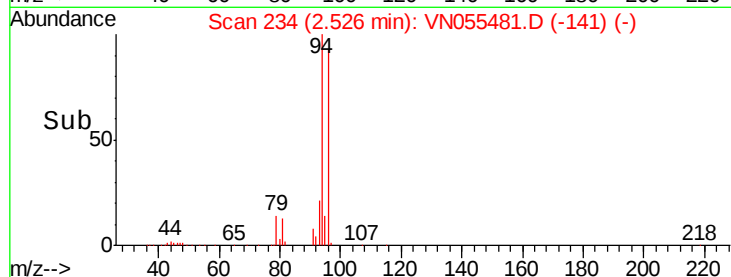
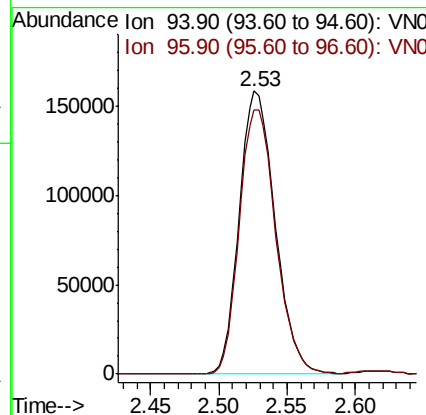
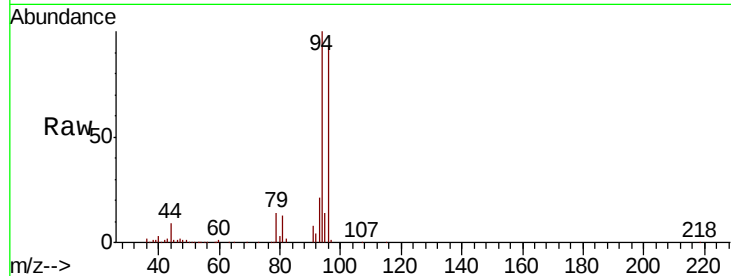
VSTDICCC050

Tot Ion: 94 Resp: 287979

Ion Ratio Lower Upper

94 100

96 93.5 74.8 112.2



#6

Chloroethane

Concen: 60.432 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055481.D

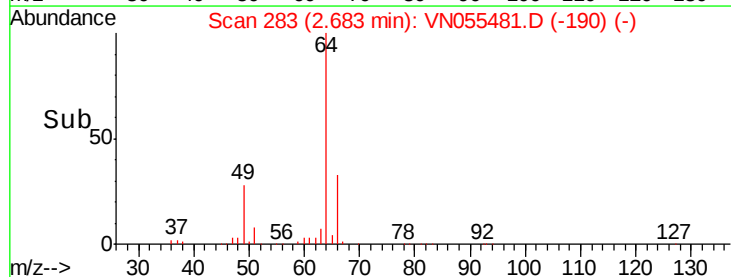
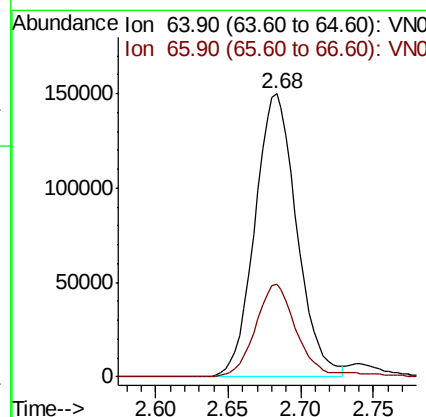
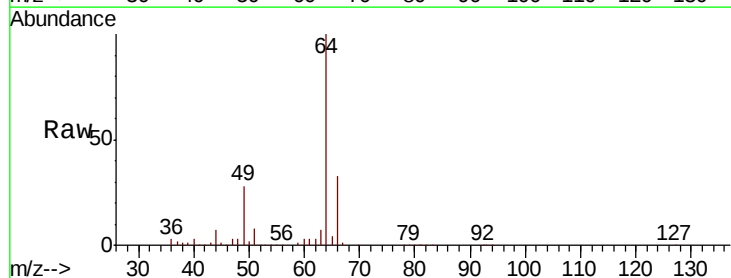
Acq: 8 May 2019 17:49

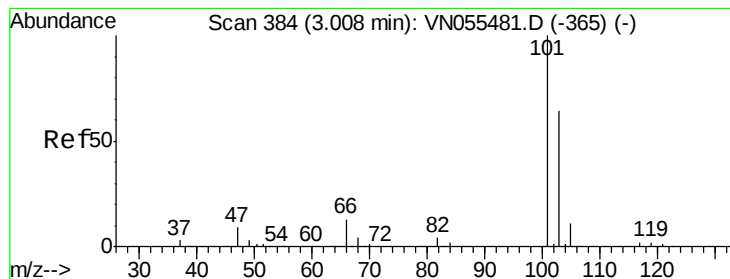
Tgt Ion: 64 Resp: 301338

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



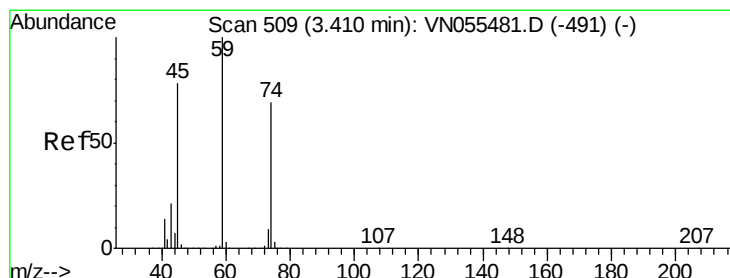
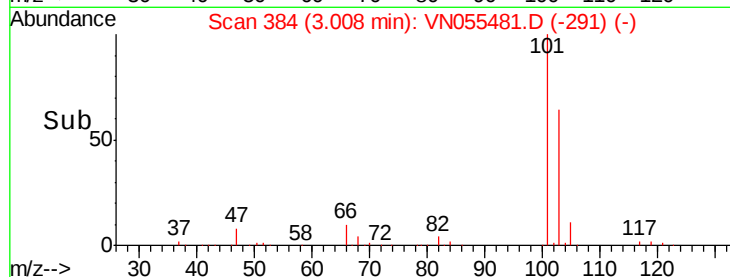
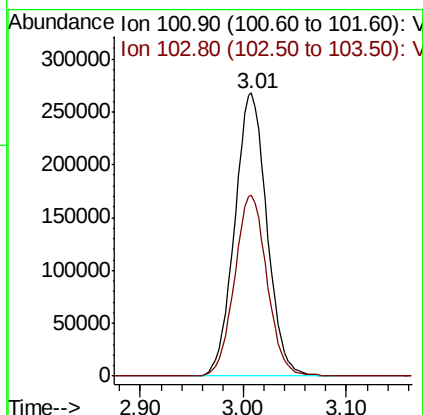
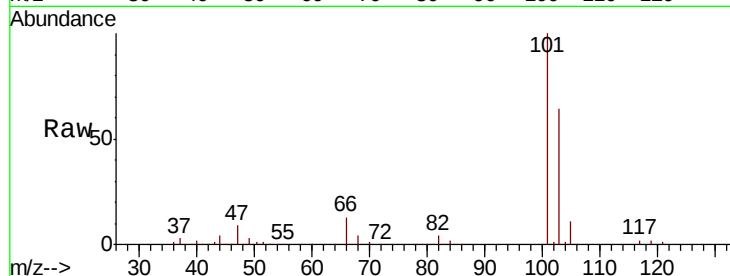


#7

Trichlorofluoromethane
 Concen: 46.962 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

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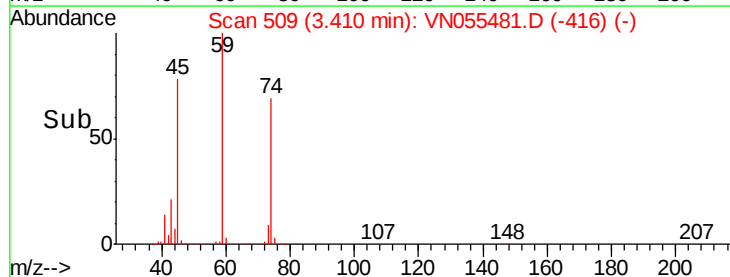
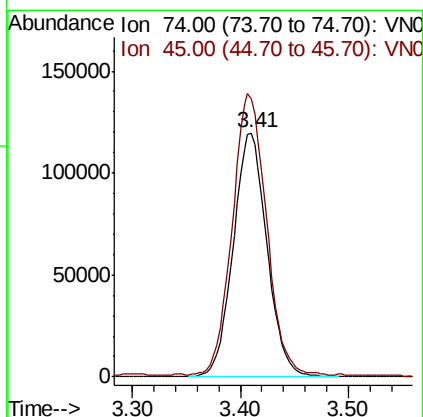
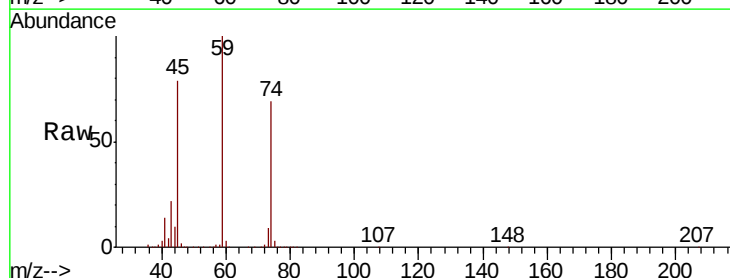
Tot Ion:101 Resp: 581620
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

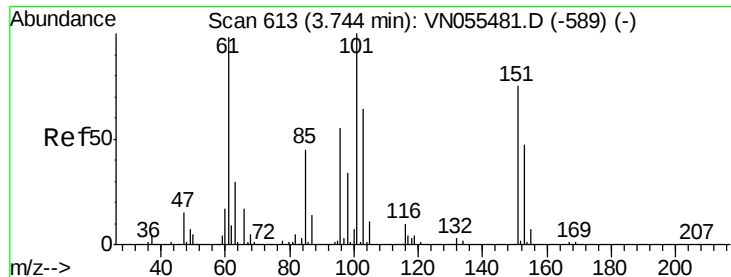


#8

Diethyl Ether
 Concen: 57.976 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 74 Resp: 261119
 Ion Ratio Lower Upper
 74 100
 45 116.2 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.382 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

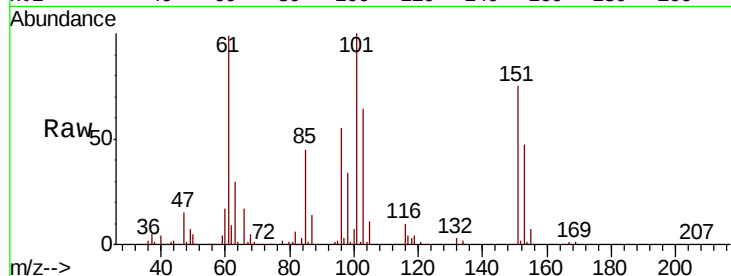
Tot Ion:101 Resp: 366674

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

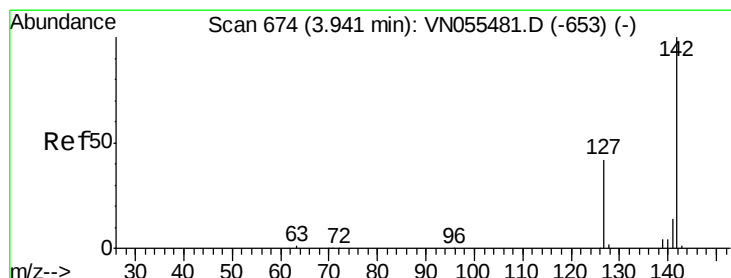
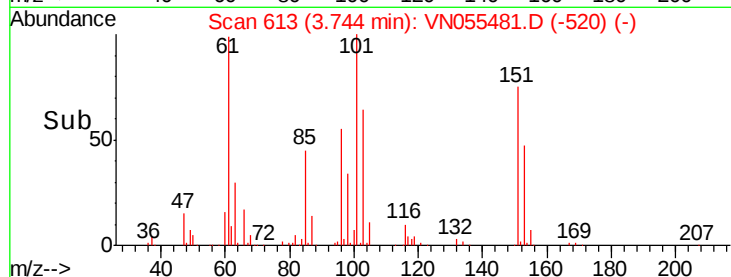
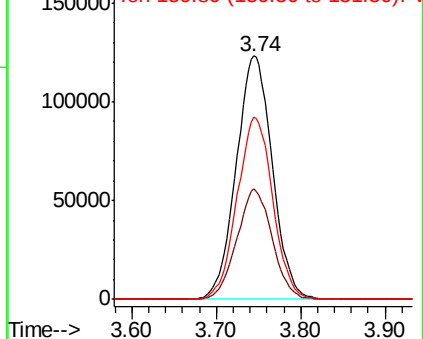
151 74.0 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.446 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

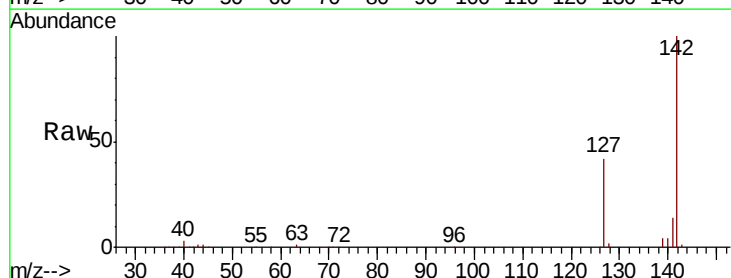
Tgt Ion:142 Resp: 536150

Ion Ratio Lower Upper

142 100

127 41.2 33.0 49.4

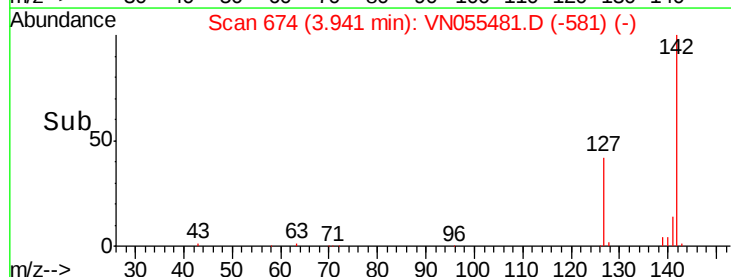
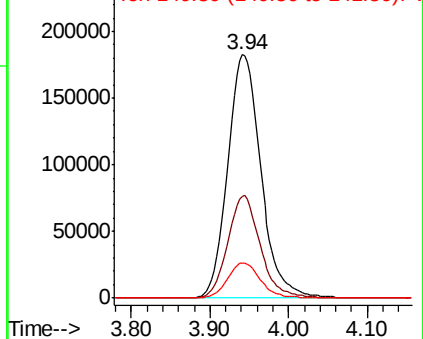
141 14.2 11.4 17.0

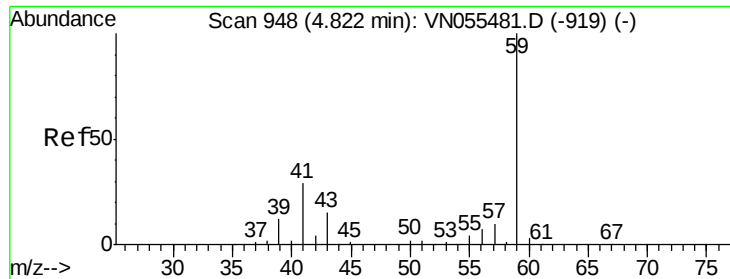


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

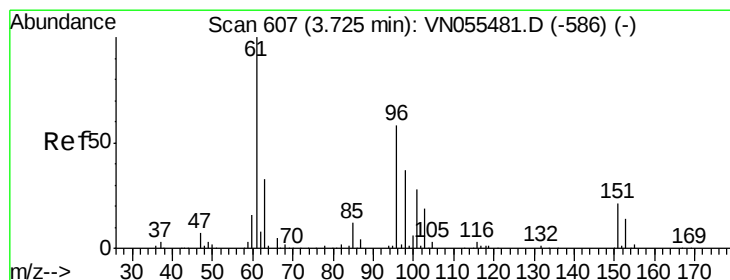
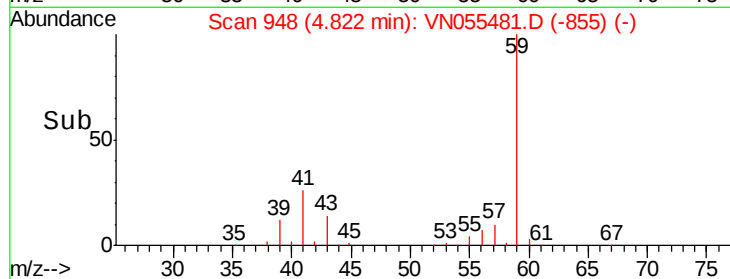
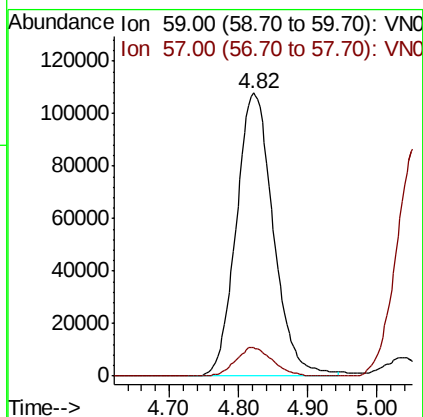
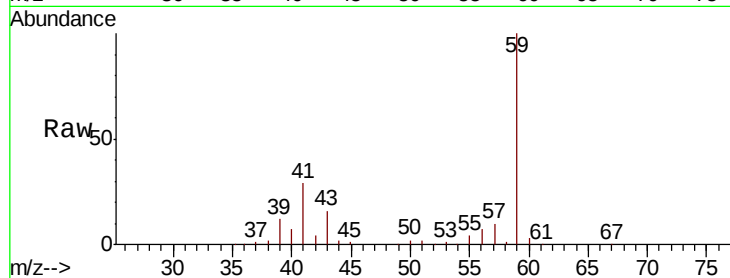




#11
Tert butyl alcohol
Concen: 536.246 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

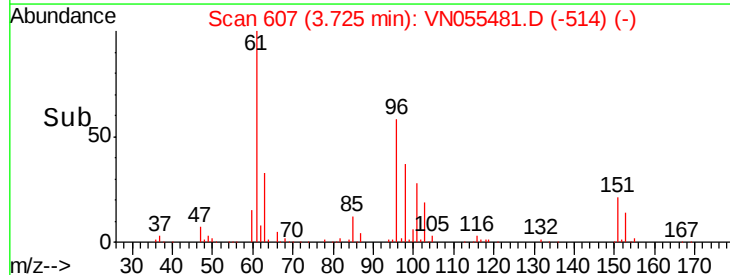
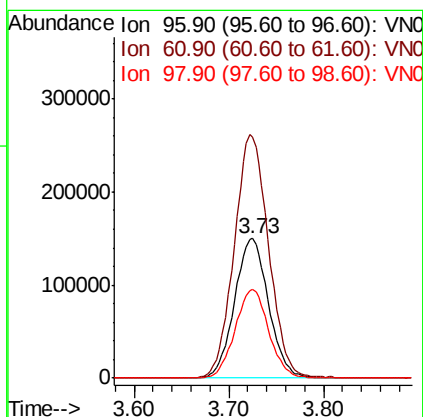
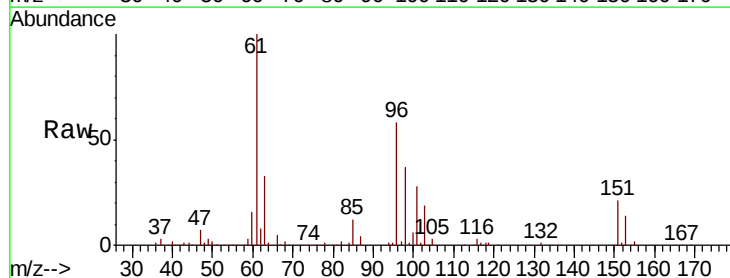
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

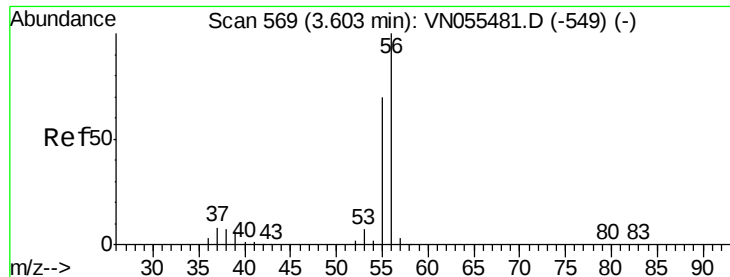
Tot Ion: 59 Resp: 401967
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0



#12
1,1-Dichloroethene
Concen: 52.292 ug/l
RT: 3.73 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 96 Resp: 374559
Ion Ratio Lower Upper
96 100
61 173.4 138.7 208.1
98 63.3 50.6 76.0





#13

Acrolein

Concen: 482.676 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

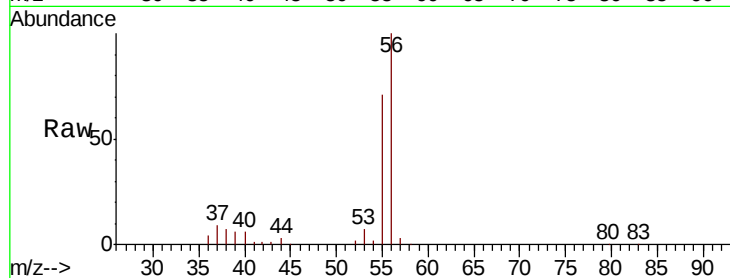
VSTDICCC050

Tot Ion: 56 Resp: 259508

Ion Ratio Lower Upper

56 100

55 72.1 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

120000

100000

80000

60000

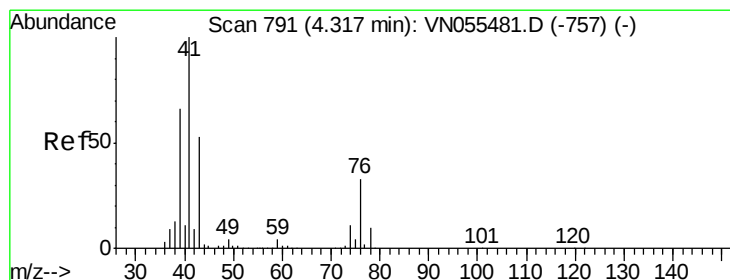
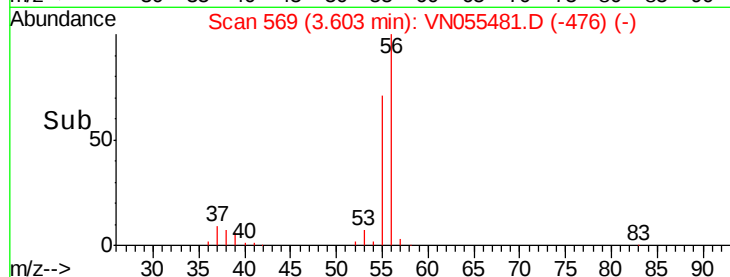
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 53.127 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

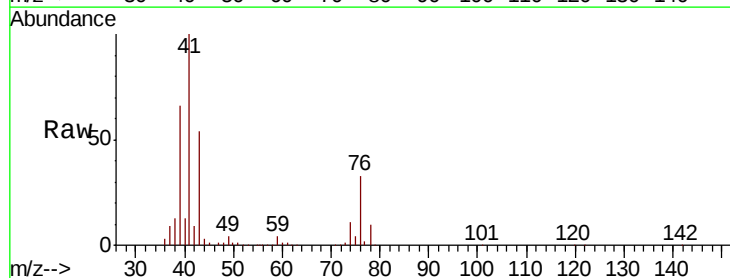
Tgt Ion: 41 Resp: 788045

Ion Ratio Lower Upper

41 100

39 62.3 49.8 74.8

76 29.4 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

300000

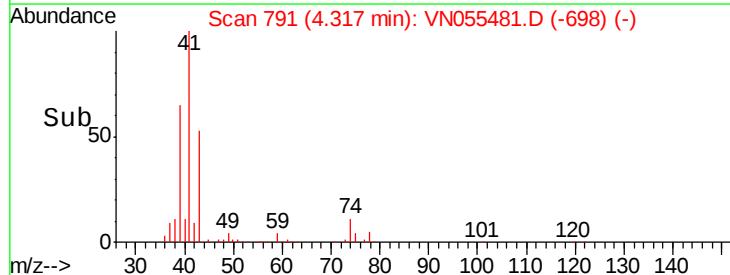
200000

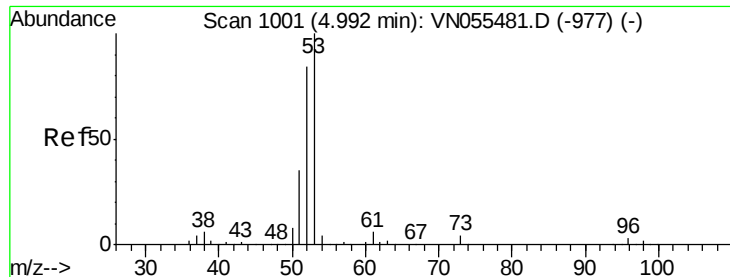
100000

0

Time-->

4.10 4.20 4.30 4.40 4.50



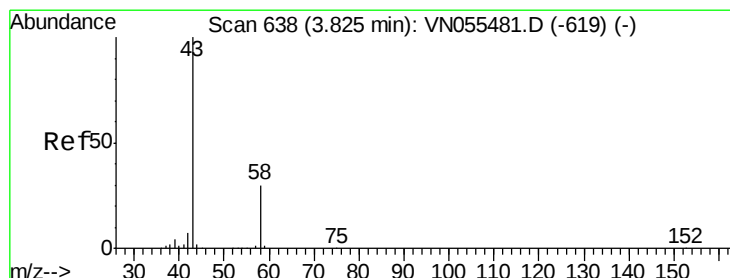
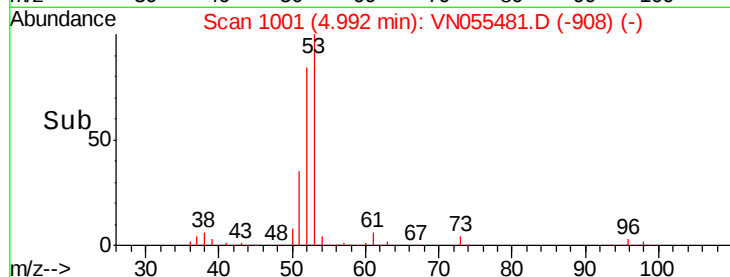
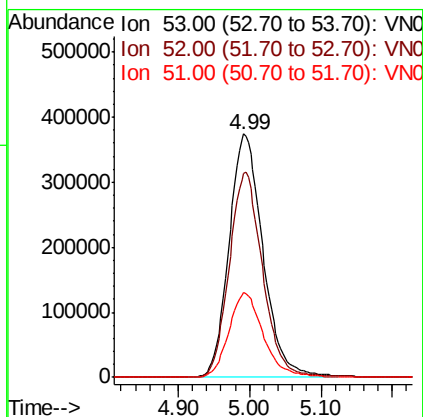
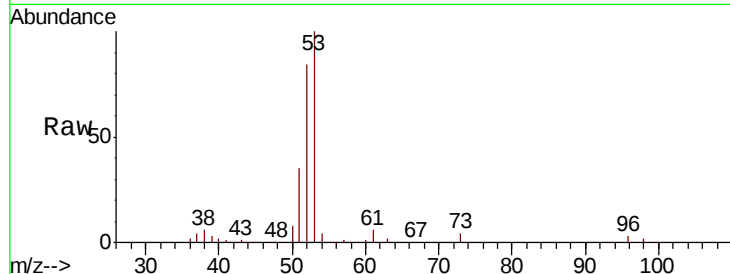


#15
 Acrylonitrile
 Concen: 372.669 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 53 Resp: 1238527

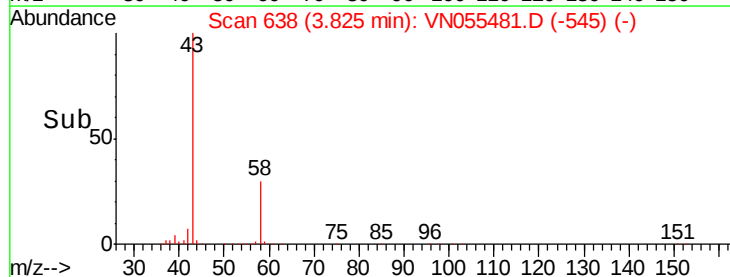
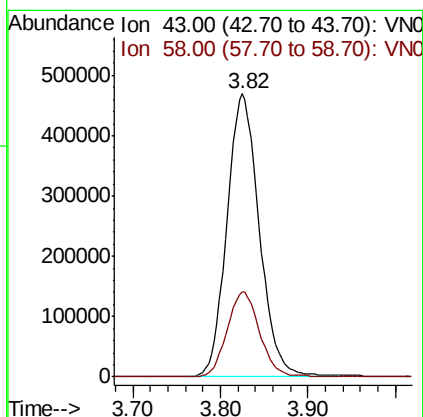
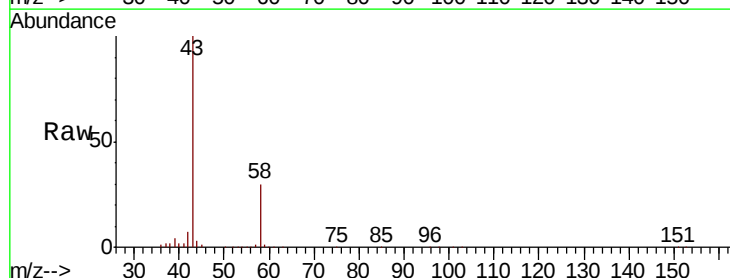
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	35.4	28.3	42.5

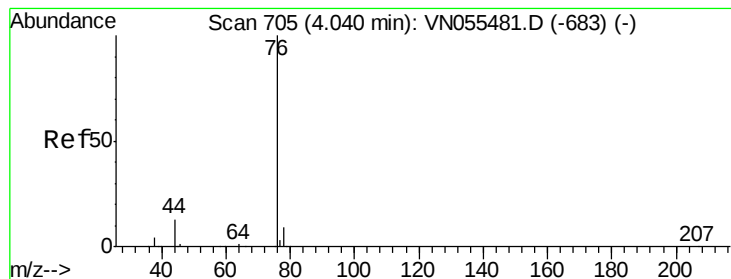


#16
 Acetone
 Concen: 367.268 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 43 Resp: 1193505

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.2





#17

Carbon Disulfide

Concen: 55.387 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

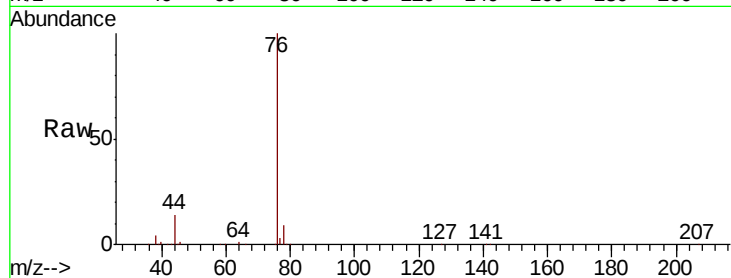
VSTDICCC050

Tot Ion: 76 Resp: 1040057

Ion Ratio Lower Upper

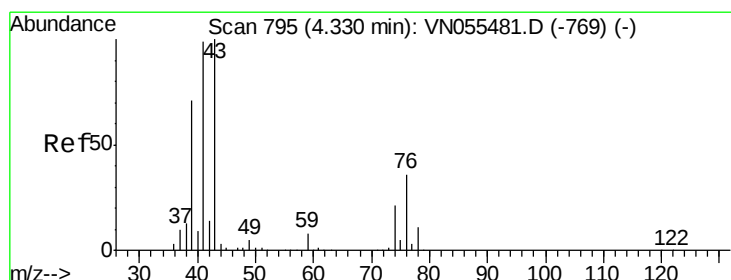
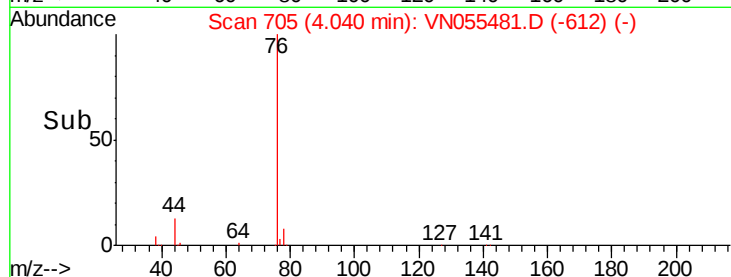
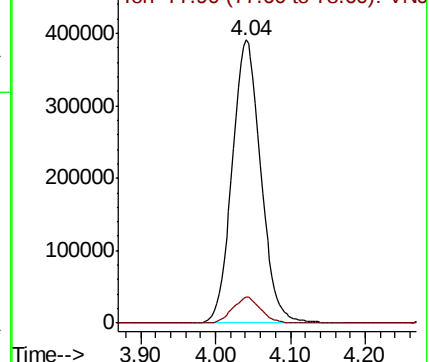
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 58.704 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055481.D

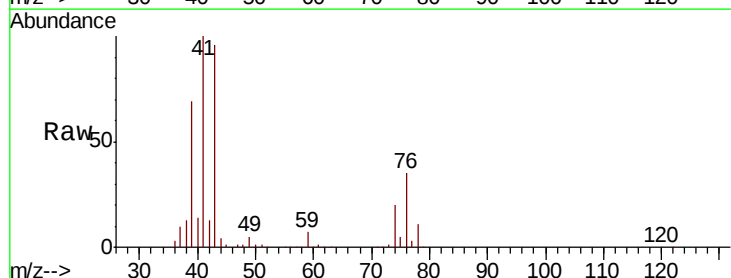
Acq: 8 May 2019 17:49

Tgt Ion: 43 Resp: 527320

Ion Ratio Lower Upper

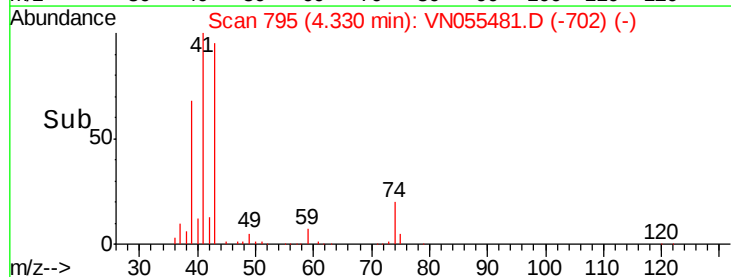
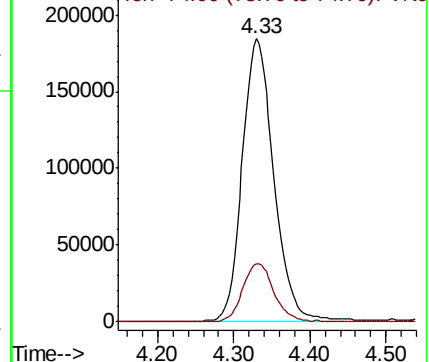
43 100

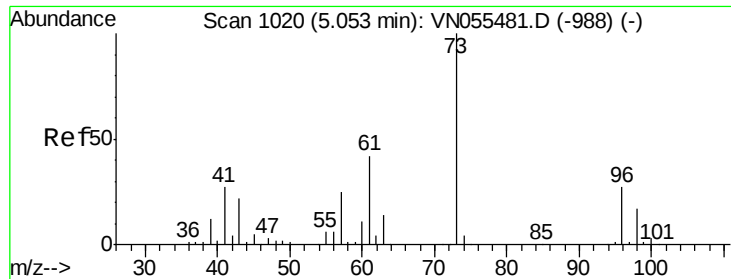
74 20.4 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

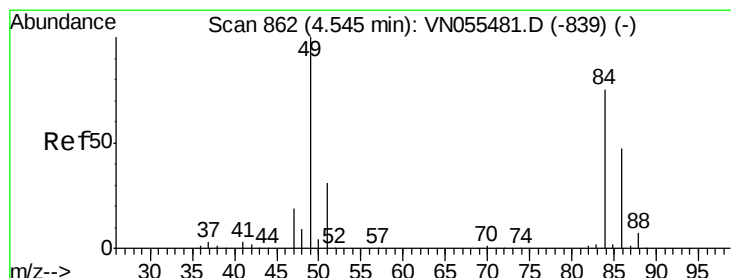
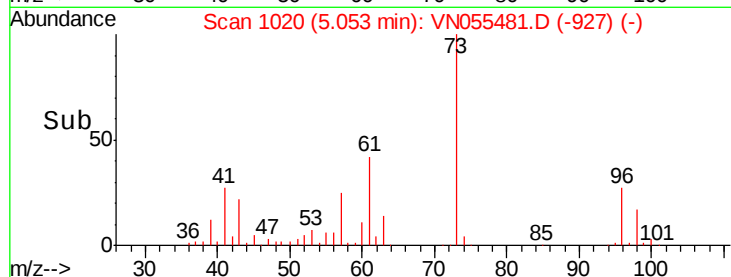
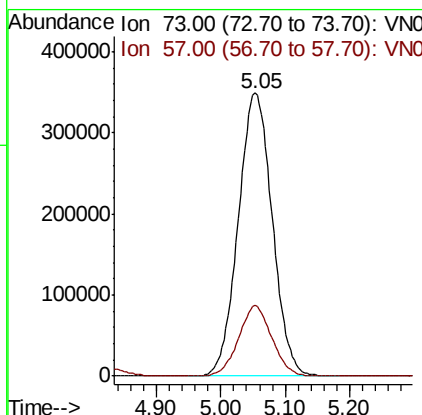
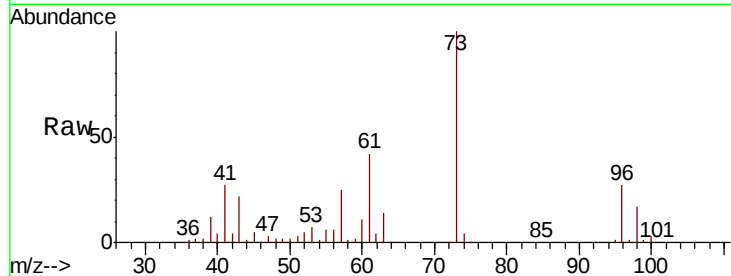




#19
Methyl tert-butyl Ether
Concen: 61.768 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

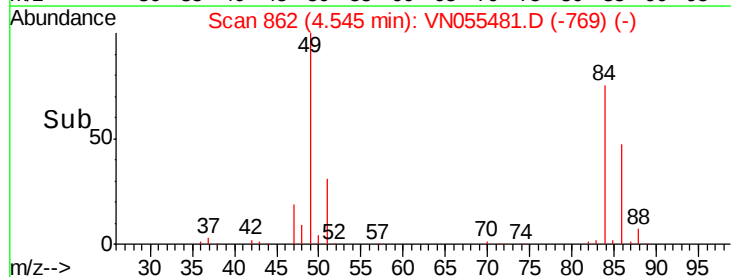
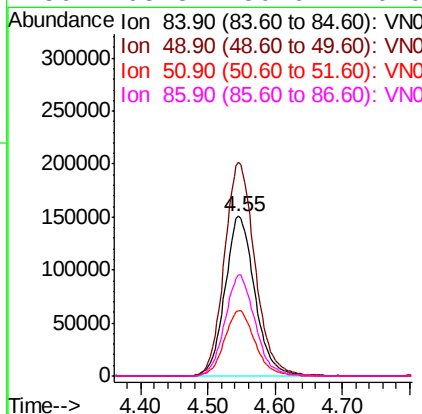
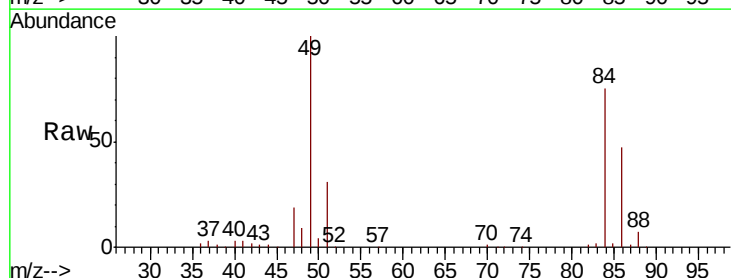
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

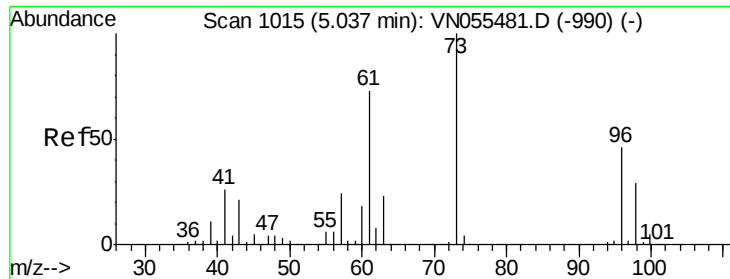
Tot Ion: 73 Resp: 1280762
Ion Ratio Lower Upper
73 100
57 25.0 20.0 30.0



#20
Methylene Chloride
Concen: 51.258 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 84 Resp: 464950
Ion Ratio Lower Upper
84 100
49 133.8 107.0 160.6
51 41.2 33.0 49.4
86 63.3 50.6 76.0

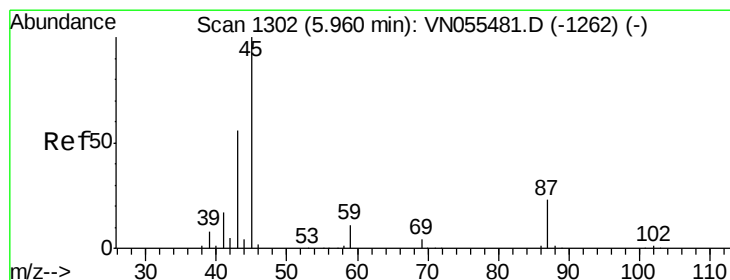
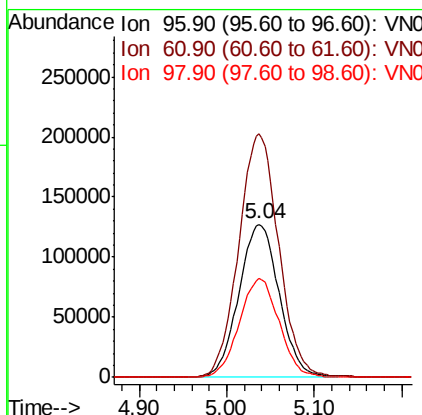
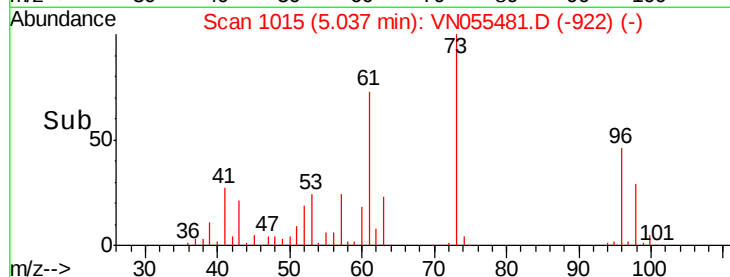
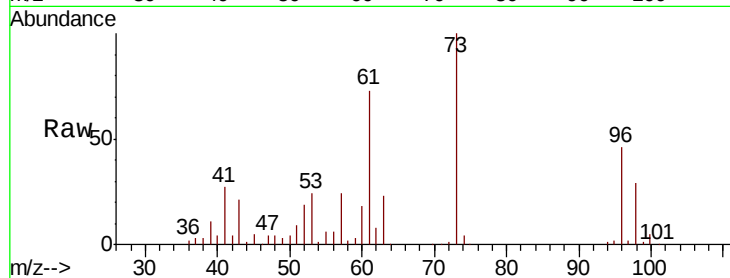




#21
trans-1,2-Dichloroethene
Concen: 53.571 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

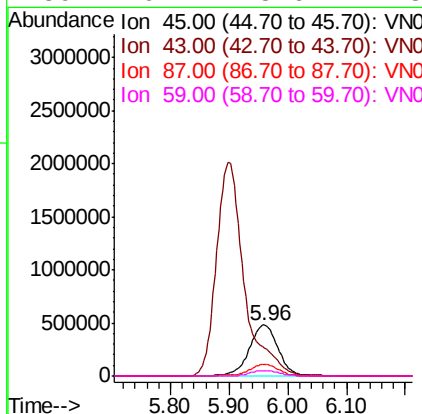
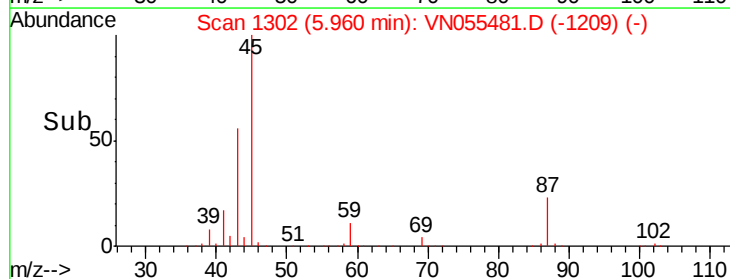
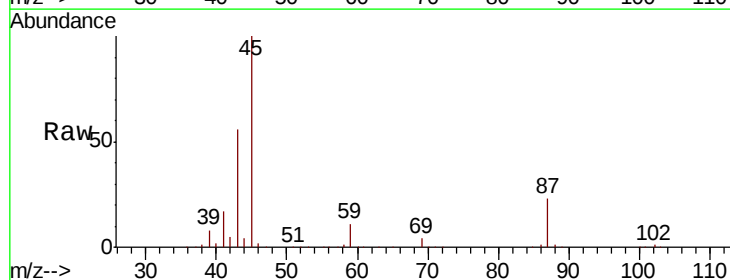
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

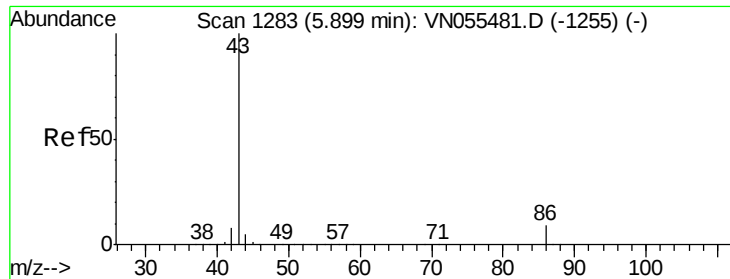
Tot Ion: 96 Resp: 407633
Ion Ratio Lower Upper
96 100
61 159.2 127.4 191.0
98 64.5 51.6 77.4



#22
Diisopropyl ether
Concen: 55.356 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 45 Resp: 1640309
Ion Ratio Lower Upper
45 100
43 55.7 44.6 66.8
87 23.3 18.6 28.0
59 10.7 8.6 12.8





#23

Vinyl Acetate

Concen: 329.141 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

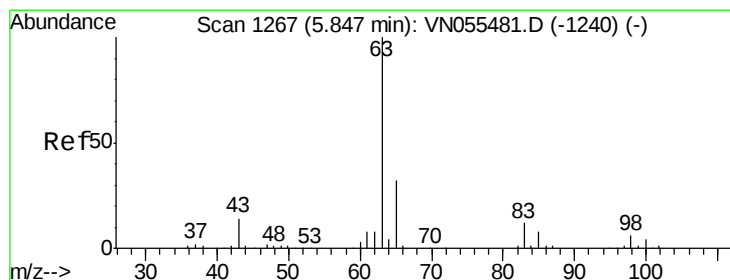
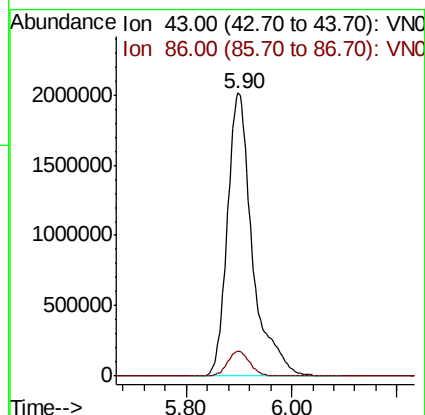
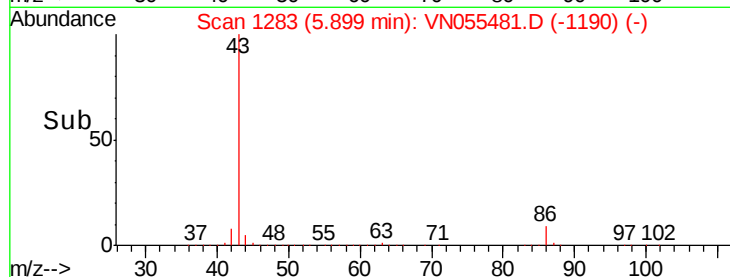
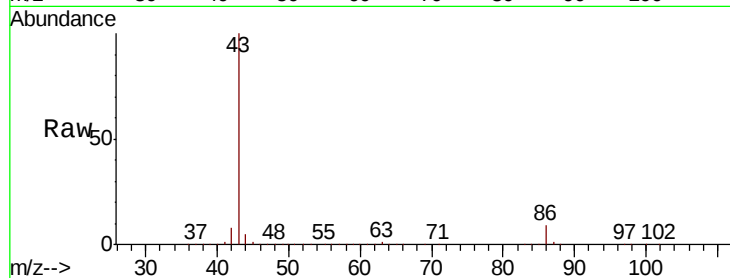
VSTDICCC050

Tot Ion: 43 Resp: 6597885

Ion Ratio Lower Upper

43 100

86 8.9 7.1 10.7



#24

1,1-Dichloroethane

Concen: 53.296 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

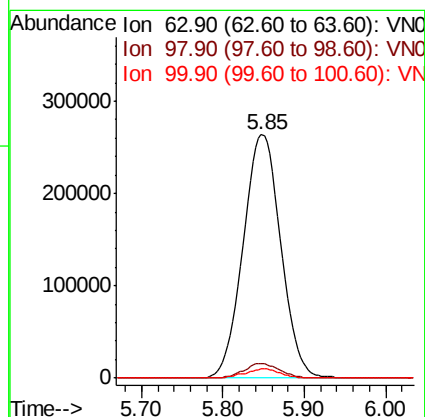
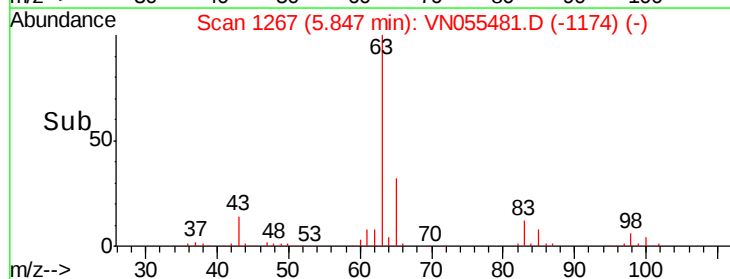
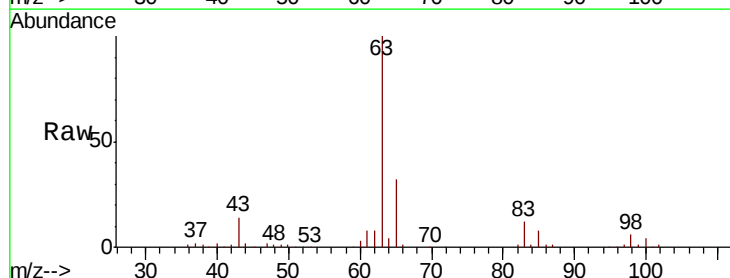
Tgt Ion: 63 Resp: 841417

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 417.253 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

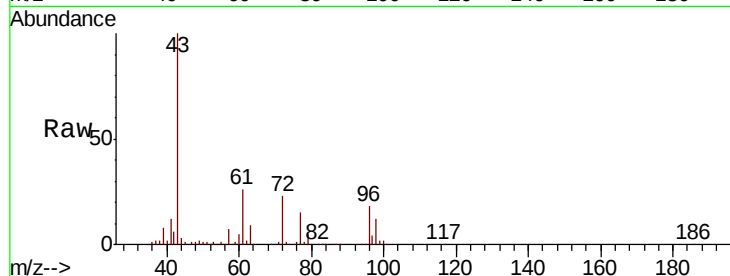
VSTDICCC050

Tot Ion: 43 Resp: 1781311

Ion Ratio Lower Upper

43 100

72 23.2 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

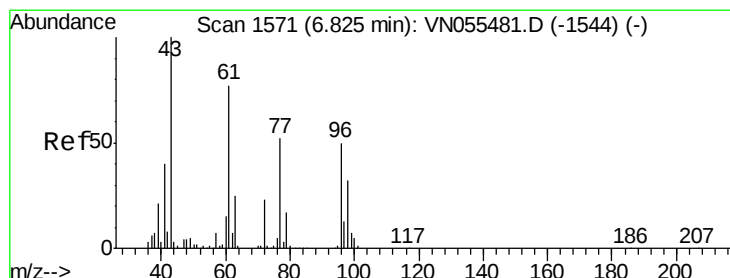
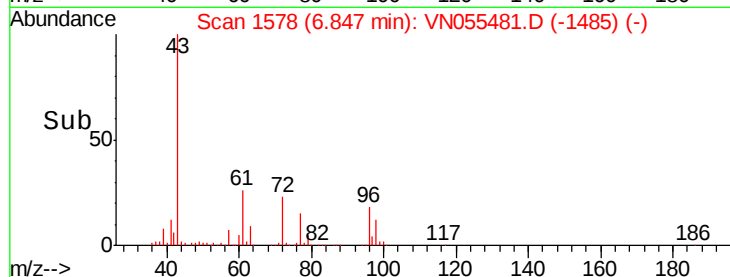
600000

400000

200000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.561 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055481.D

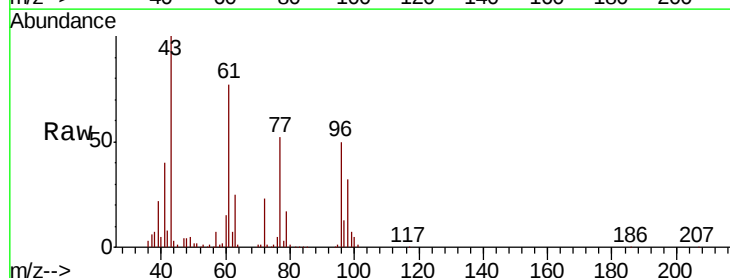
Acq: 8 May 2019 17:49

Tgt Ion: 77 Resp: 543437

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

200000

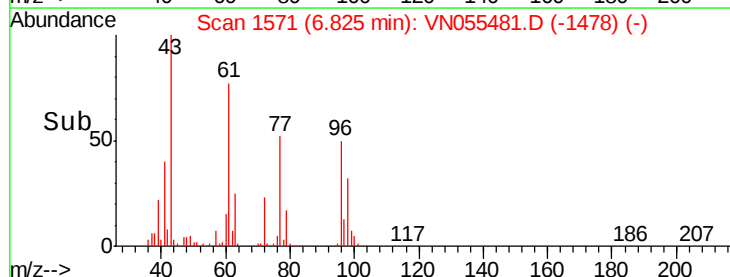
150000

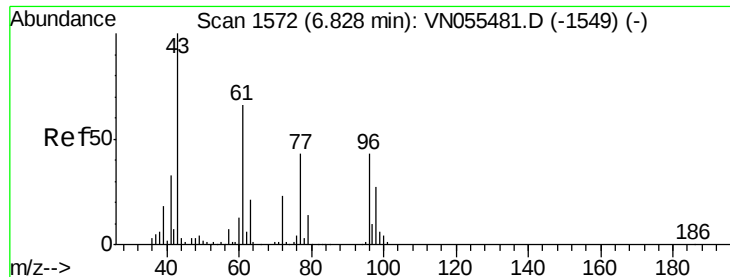
100000

50000

0

Time-->

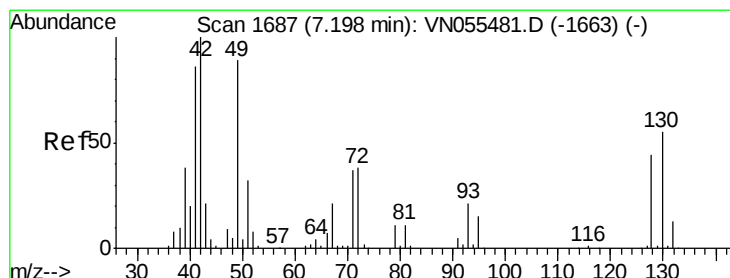
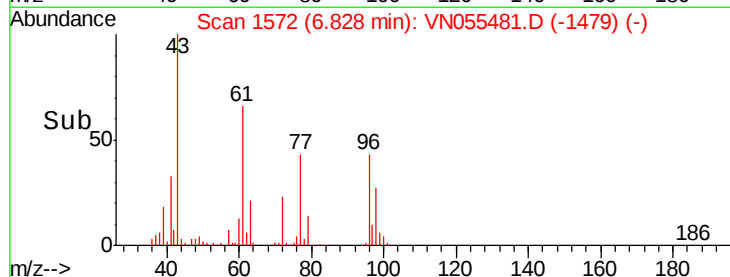
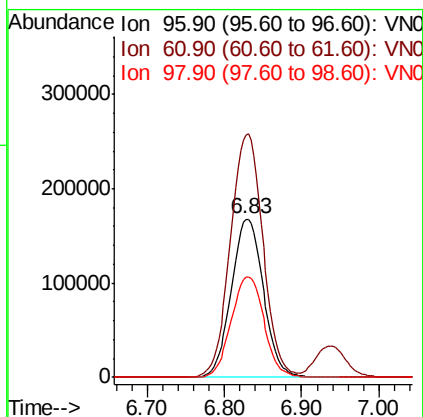
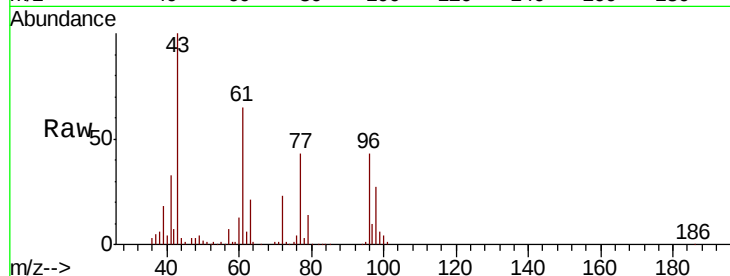




#27
 cis-1,2-Dichloroethene
 Concen: 55.636 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

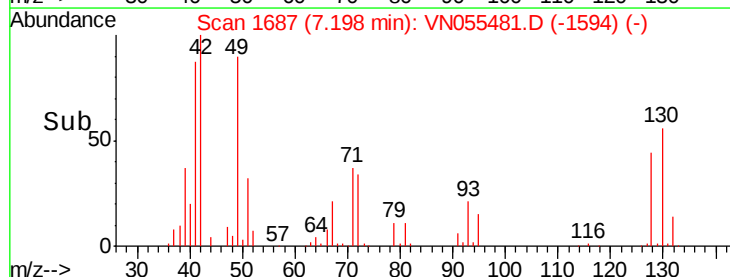
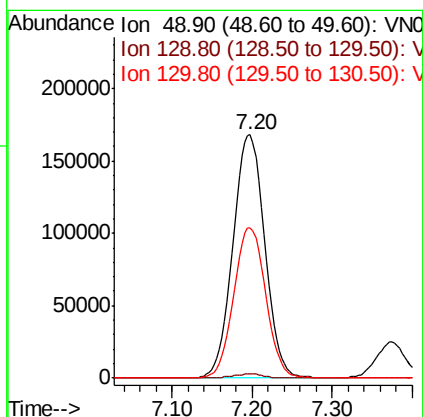
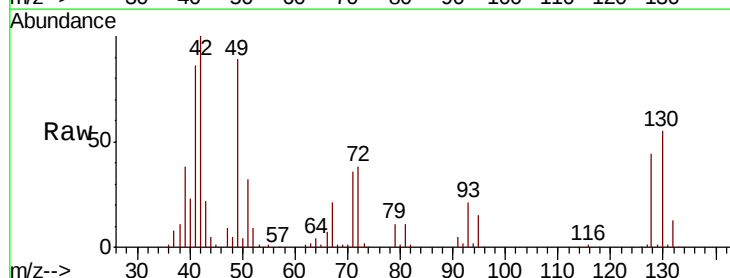
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

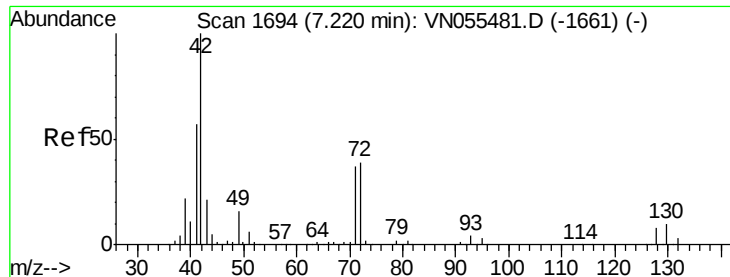
Tot Ion: 96 Resp: 484016
 Ion Ratio Lower Upper
 96 100
 61 155.4 0.0 310.8
 98 64.7 0.0 129.4



#28
 Bromochloromethane
 Concen: 56.383 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 49 Resp: 453876
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.2
 130 61.9 49.5 74.3

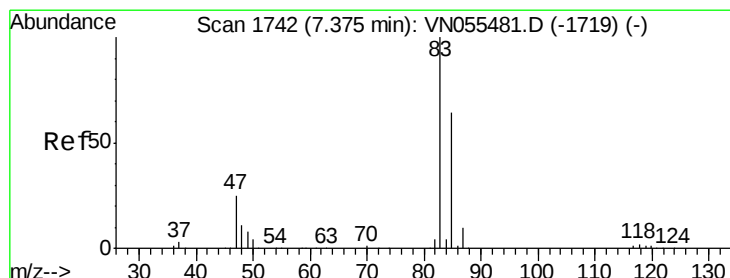
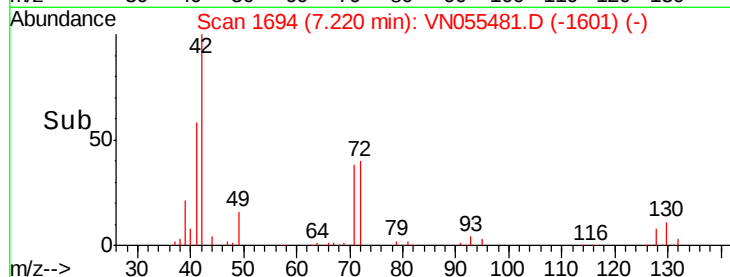
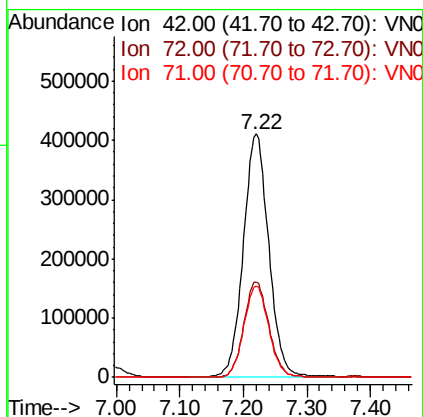
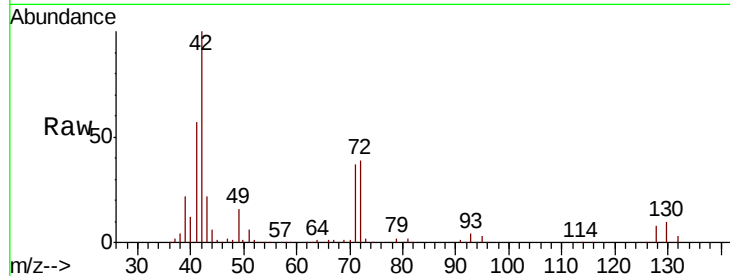




#29
Tetrahydrofuran
Concen: 416.906 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

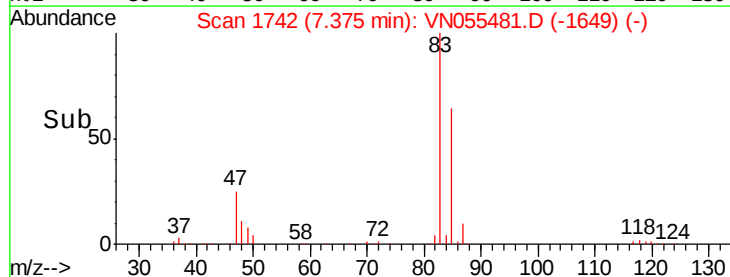
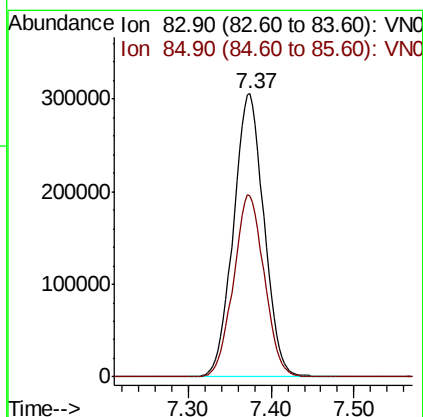
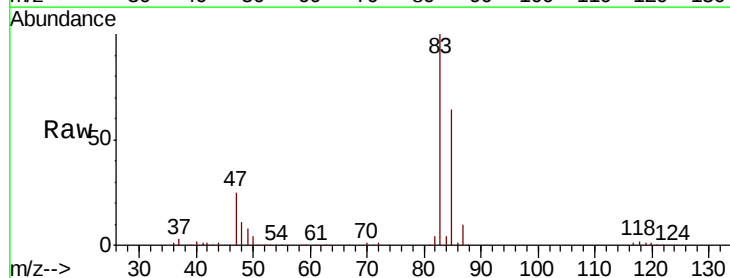
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

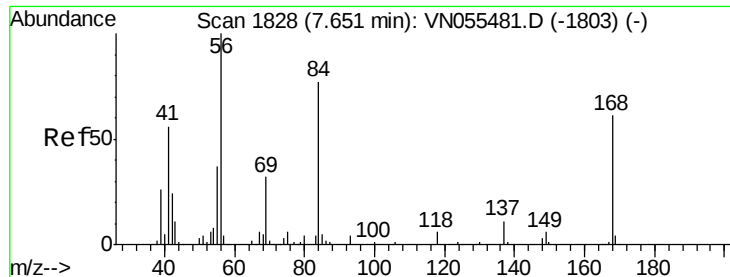
Tot Ion: 42 Resp: 1140248
Ion Ratio Lower Upper
42 100
72 38.8 31.0 46.6
71 36.8 29.4 44.2



#30
Chloroform
Concen: 52.614 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 83 Resp: 784560
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9

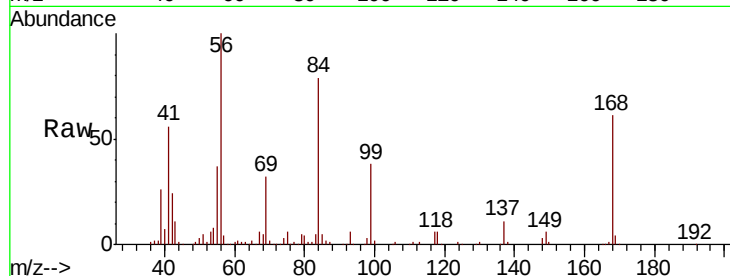




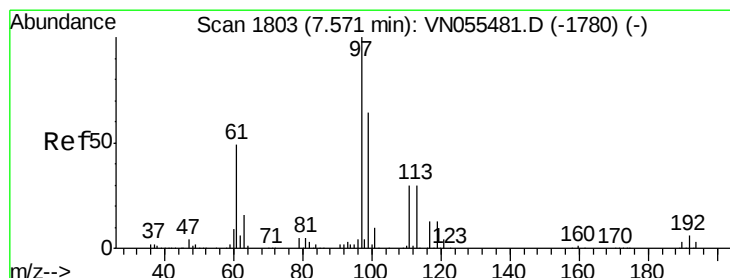
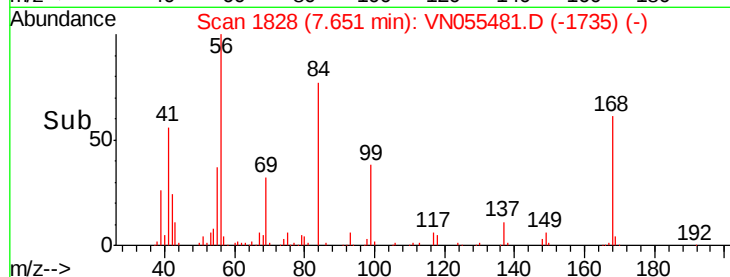
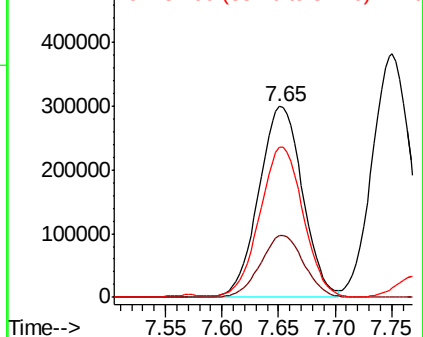
#31
Cyclohexane
Concen: 53.211 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 805706
Ion Ratio Lower Upper
56 100
69 32.5 26.0 39.0
84 77.4 61.9 92.9

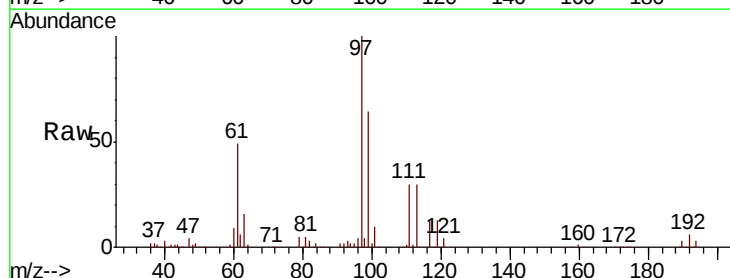


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

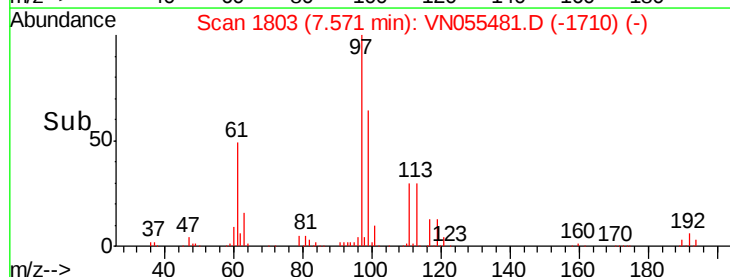
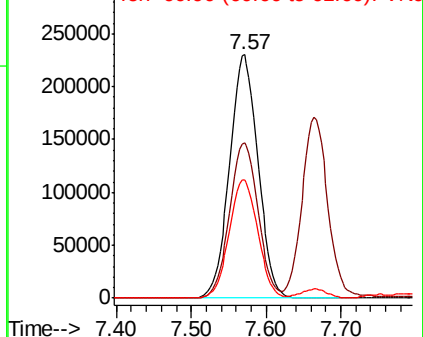


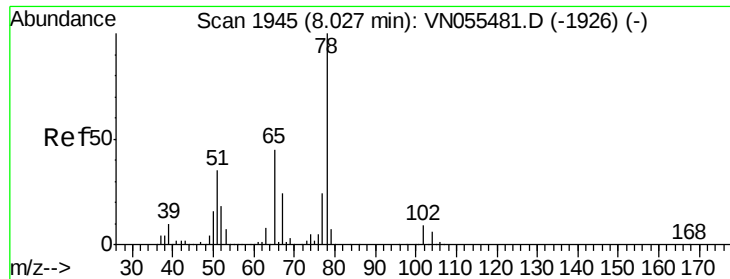
#32
1,1,1-Trichloroethane
Concen: 50.679 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 97 Resp: 607958
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 49.0 39.2 58.8



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

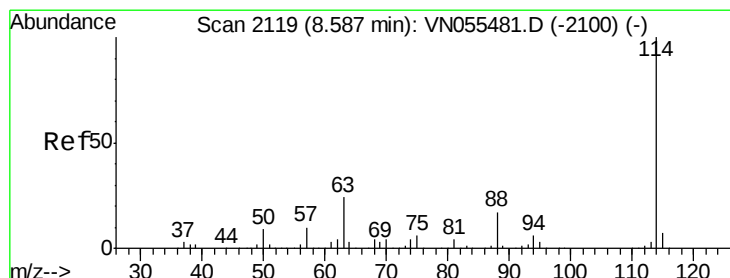
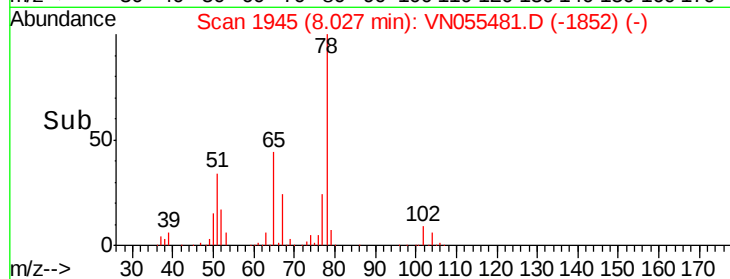
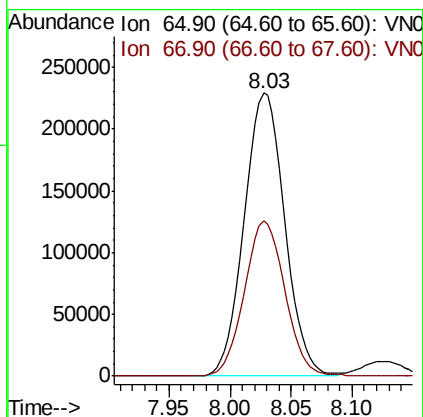
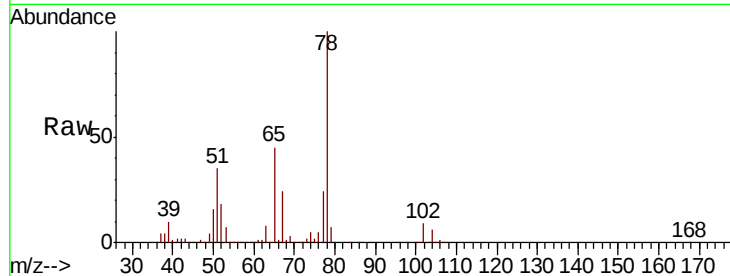




#33
 1,2-Dichloroethane-d4
 Concen: 54.816 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

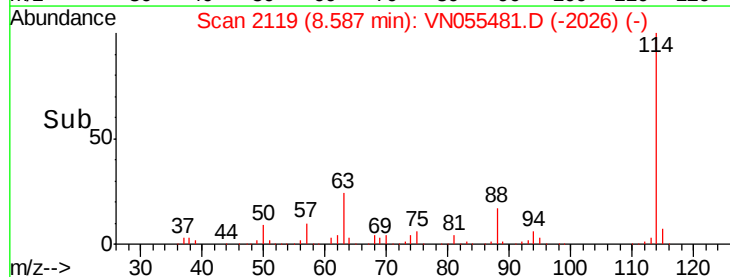
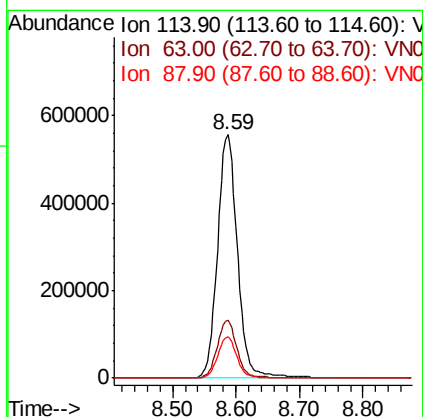
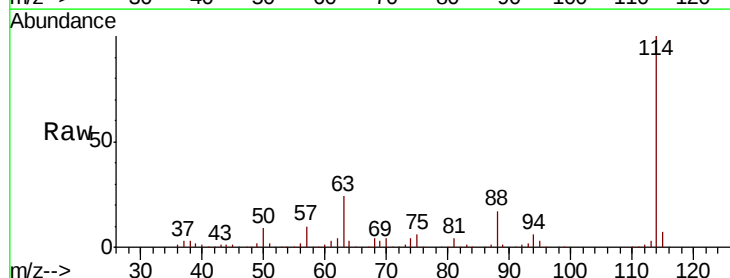
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 527270
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 114 Resp: 1213496
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 47.4
 88 17.0 0.0 34.0

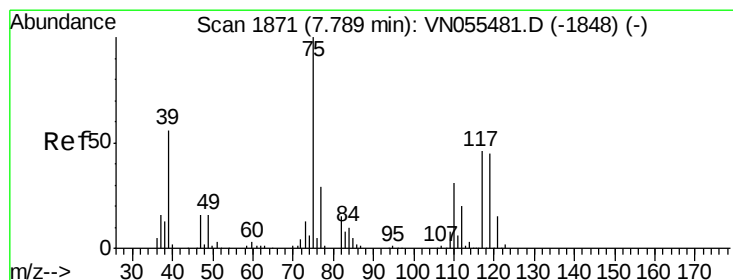
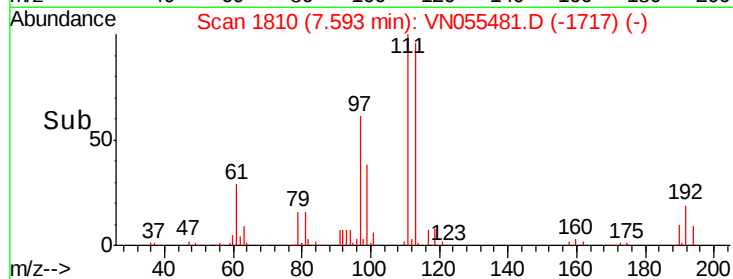
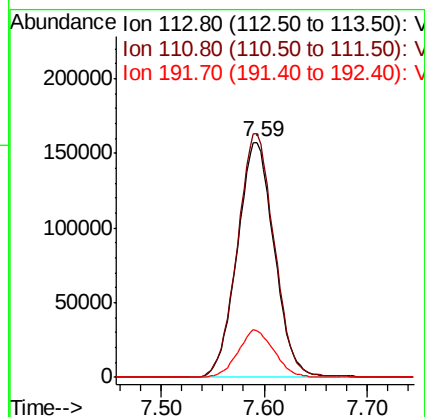
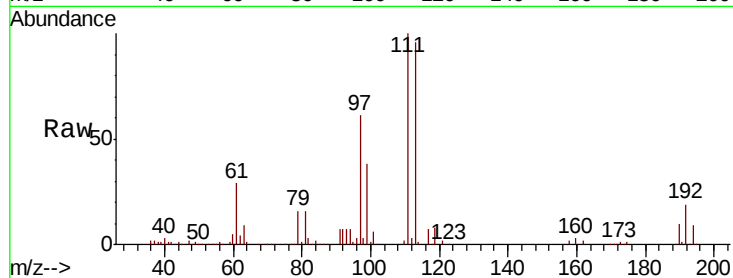




#35
 Dibromofluoromethane
 Concen: 49.181 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

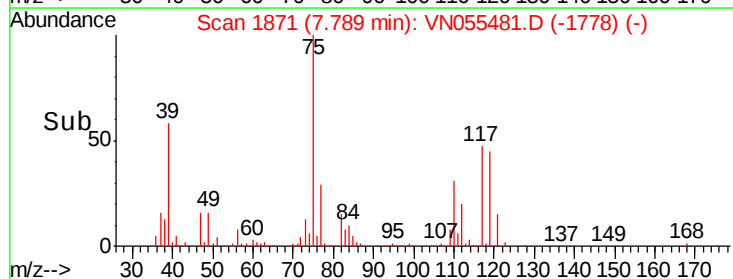
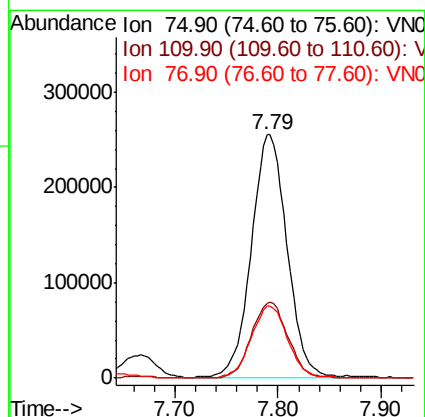
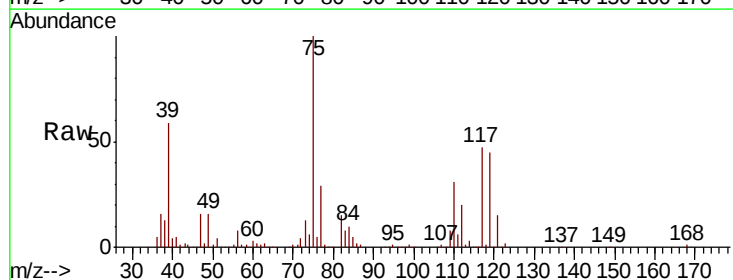
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

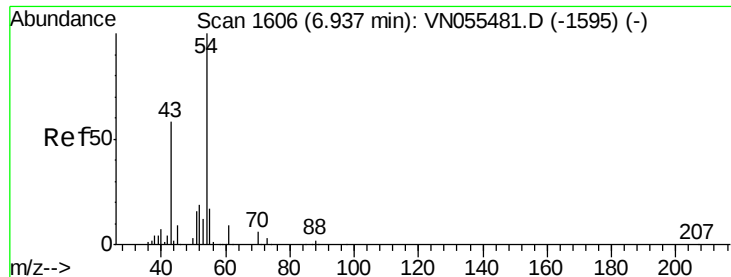
Tot Ion:113 Resp: 392994
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 19.5 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 51.469 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 75 Resp: 607650
 Ion Ratio Lower Upper
 75 100
 110 32.2 16.1 48.3
 77 30.8 24.6 37.0

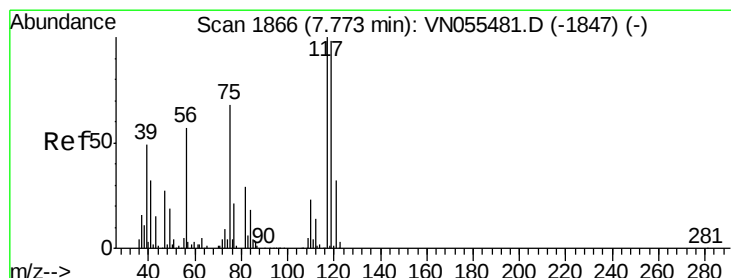
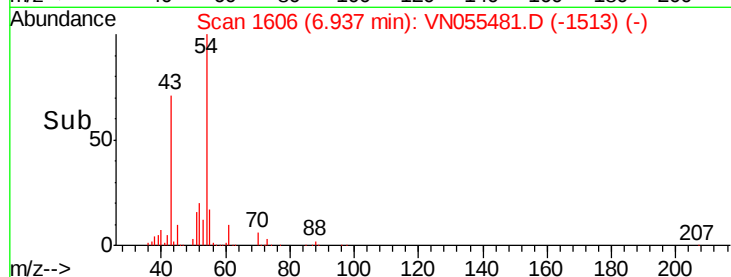
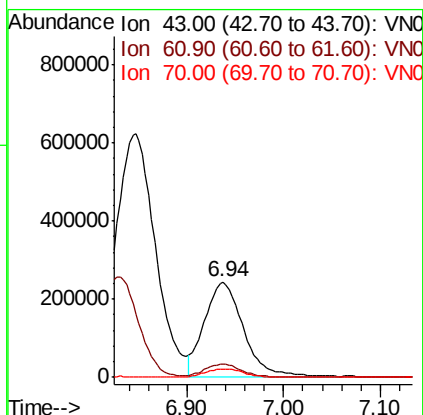
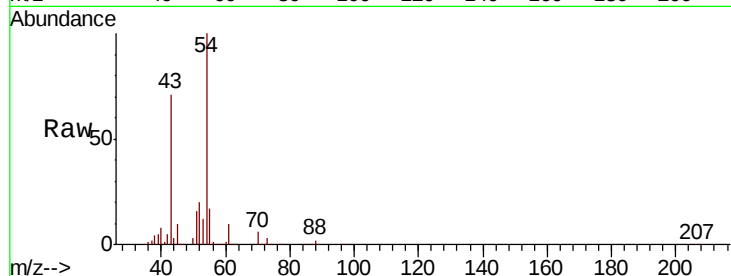




#37
Ethyl Acetate
Concen: 69.280 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

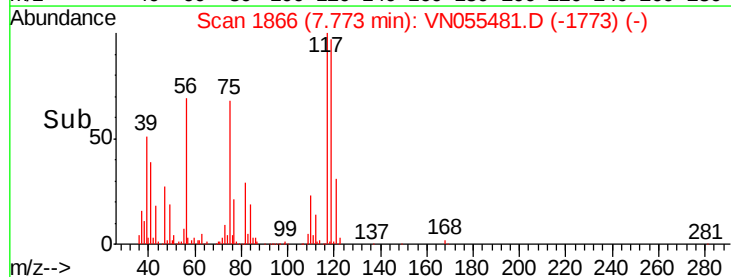
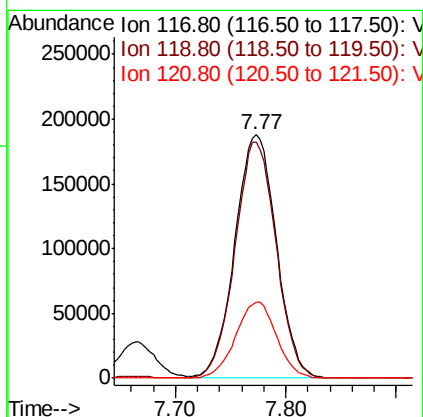
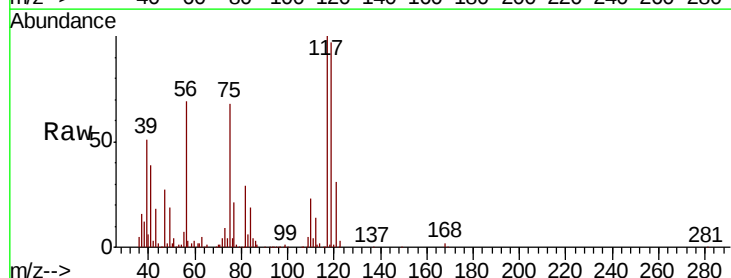
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

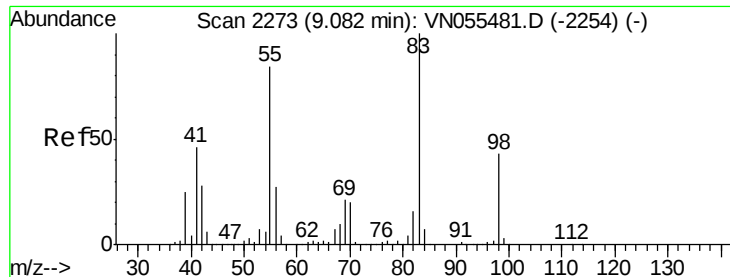
Tot Ion: 43 Resp: 674273
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 8.8 7.0 10.6



#38
Carbon Tetrachloride
Concen: 44.021 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 117 Resp: 487394
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.6
121 31.5 25.2 37.8

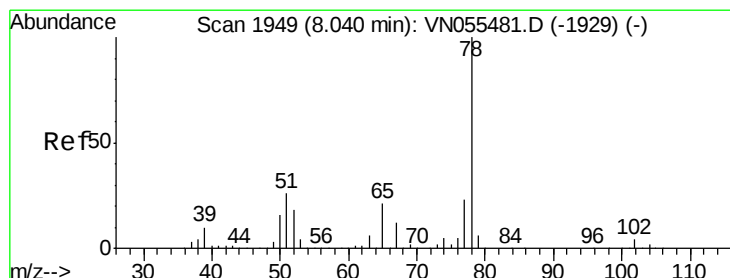
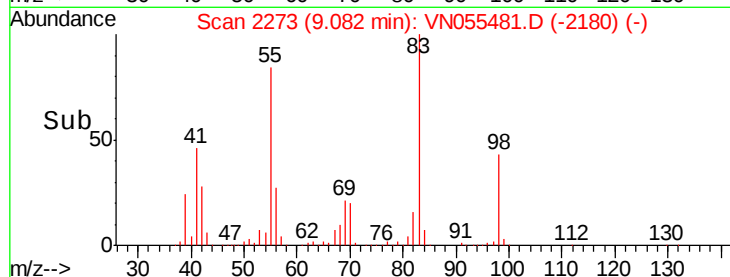
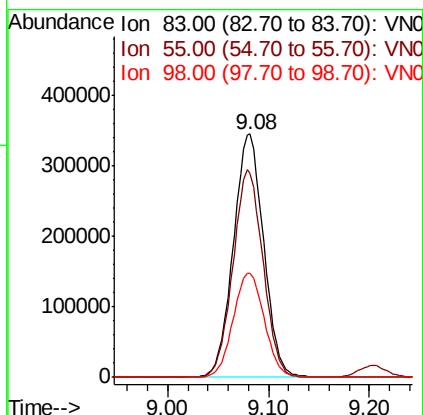
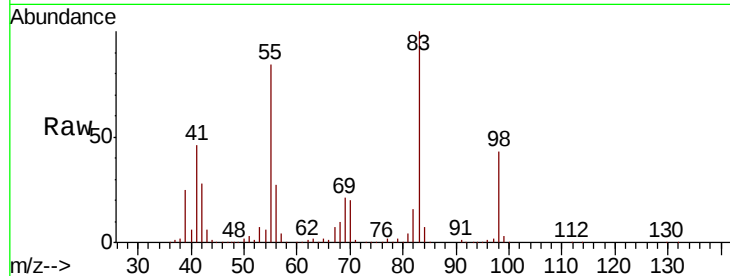




#39
Methvlcvclohexane
Concen: 56.591 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

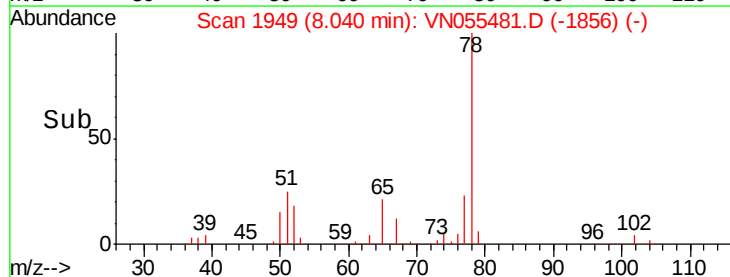
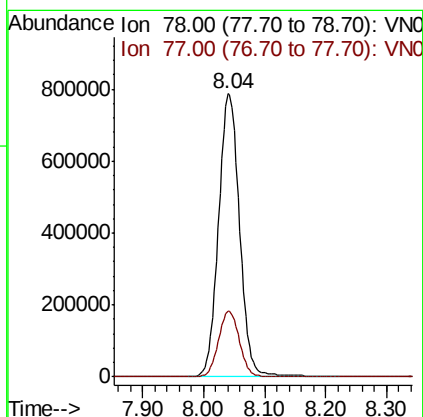
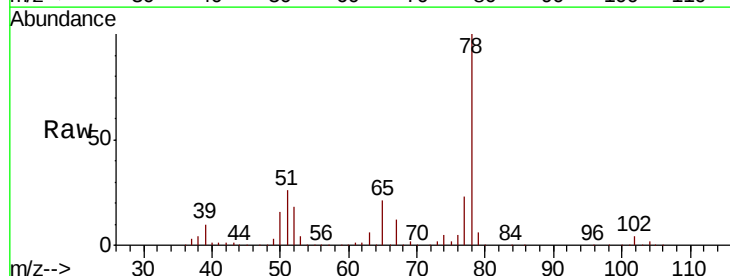
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

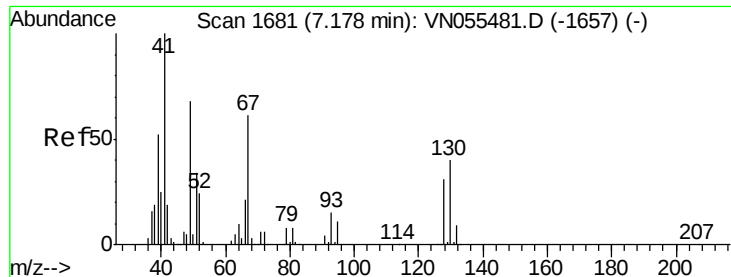
Tot Ion: 83 Resp: 719858
Ion Ratio Lower Upper
83 100
55 83.7 67.0 100.4
98 42.8 34.2 51.4



#40
Benzene
Concen: 53.886 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 78 Resp: 1880076
Ion Ratio Lower Upper
78 100
77 23.2 18.6 27.8

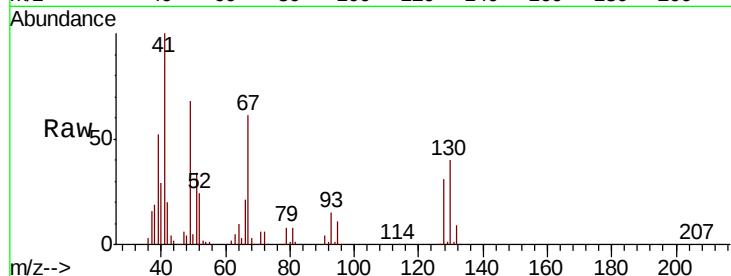




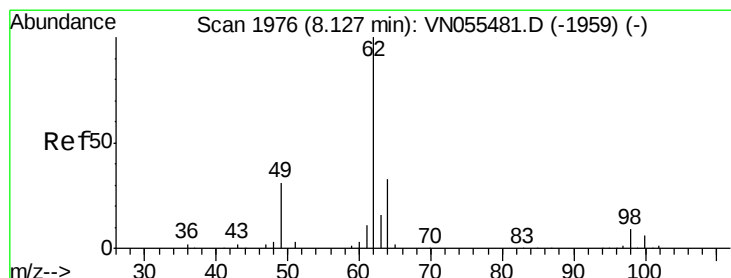
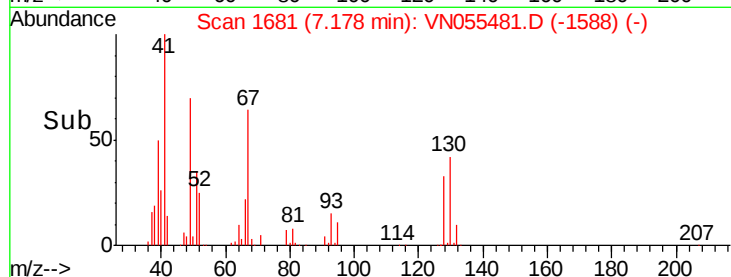
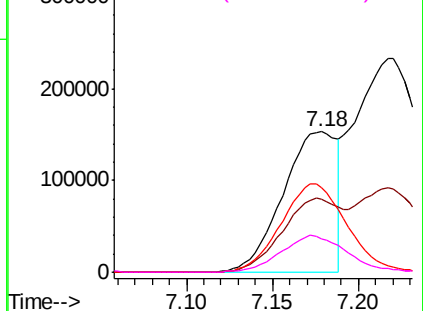
#41
Methacrylonitrile
Concen: 66.388 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 41 Resp: 333841
Ion Ratio Lower Upper
41 100
39 55.9 44.7 67.1
67 76.7 61.4 92.0
52 31.2 25.0 37.4

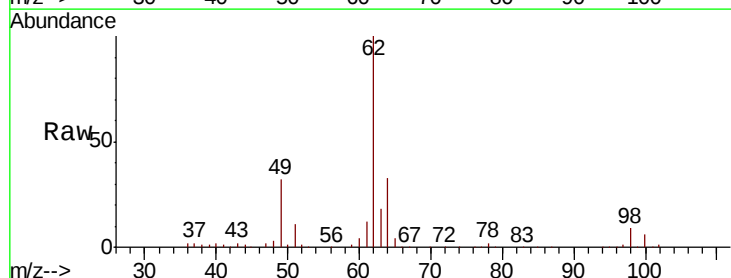


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

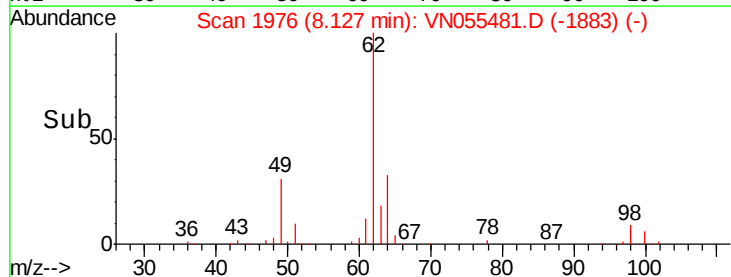
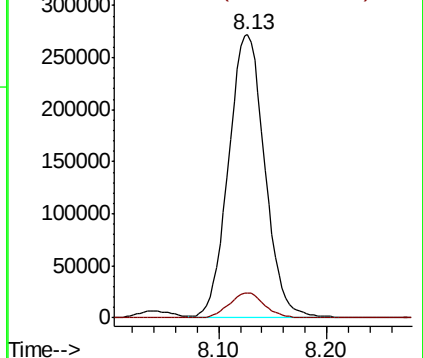


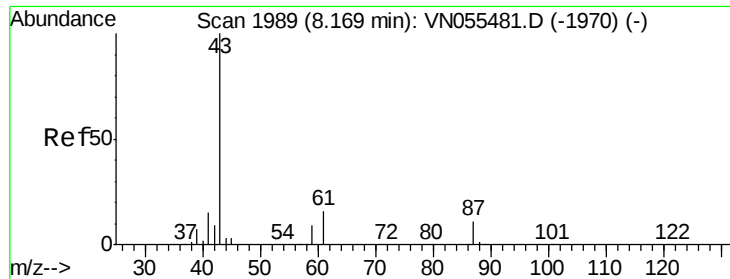
#42
1,2-Dichloroethane
Concen: 51.468 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 62 Resp: 633195
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.4



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





#43

Isopropyl Acetate

Concen: 68.911 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

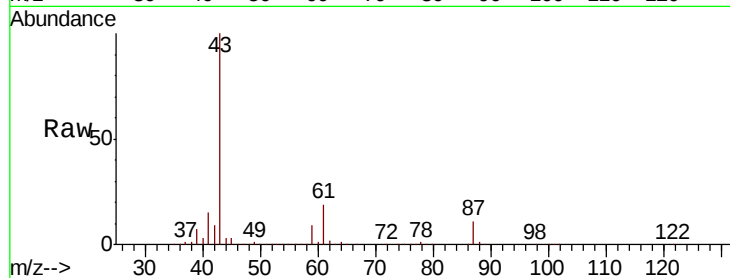
Tot Ion: 43 Resp: 1059864

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

87 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055481.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1970) (-)

8.17

600000

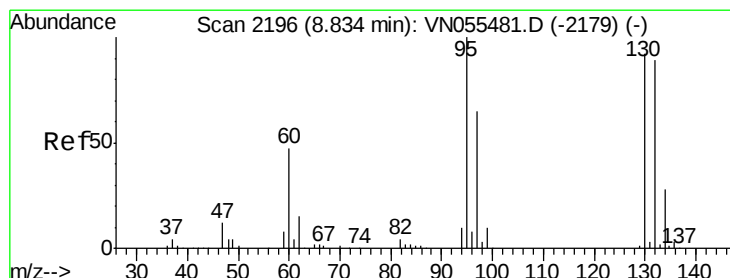
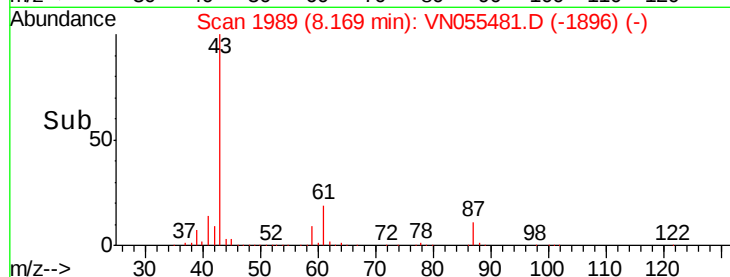
400000

200000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.542 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055481.D

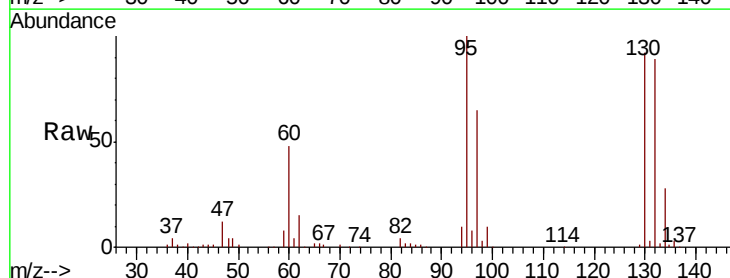
Acq: 8 May 2019 17:49

Tgt Ion:130 Resp: 435292

Ion Ratio Lower Upper

130 100

95 108.4 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055481.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055481.D (-2179) (-)

8.83

250000

200000

150000

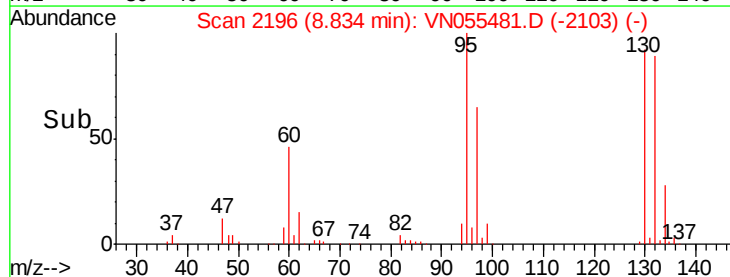
100000

50000

0

8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 52.286 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

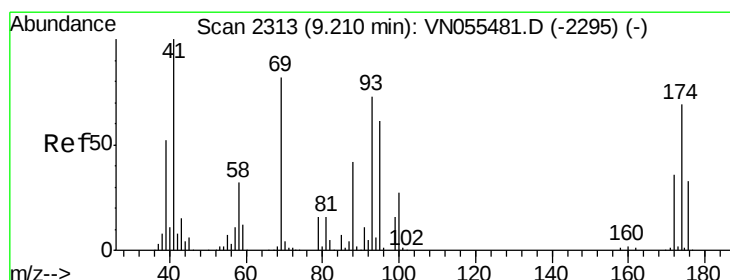
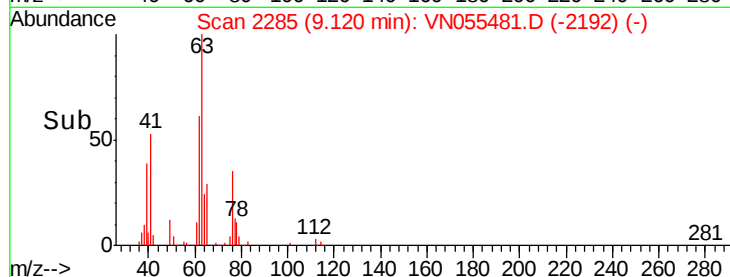
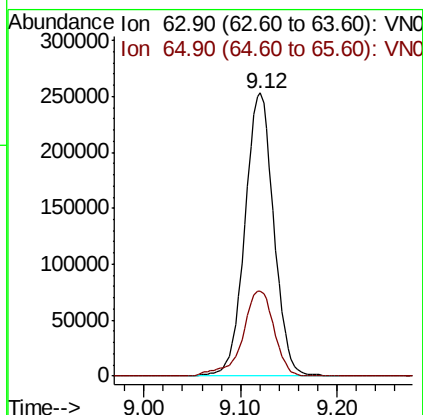
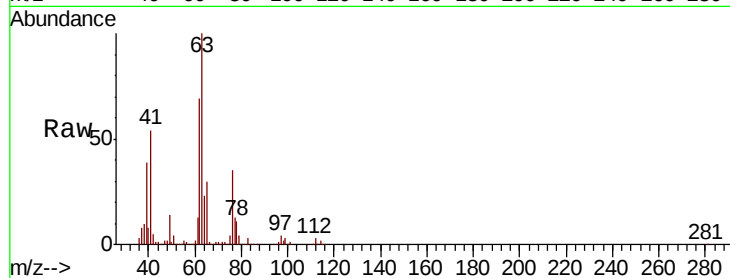
VSTDICCC050

Tot Ion: 63 Resp: 524209

Ion Ratio Lower Upper

63 100

65 30.1 24.1 36.1



#46

Dibromomethane

Concen: 55.226 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

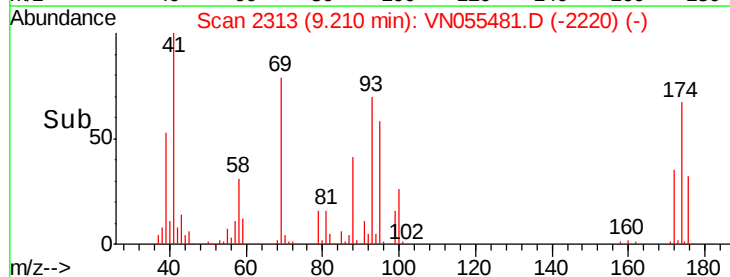
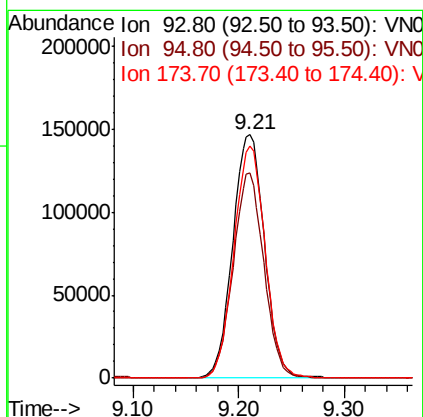
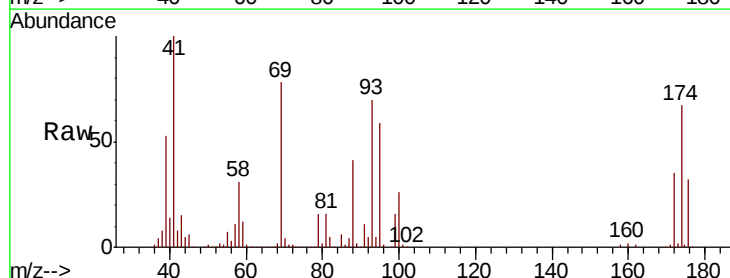
Tgt Ion: 93 Resp: 306271

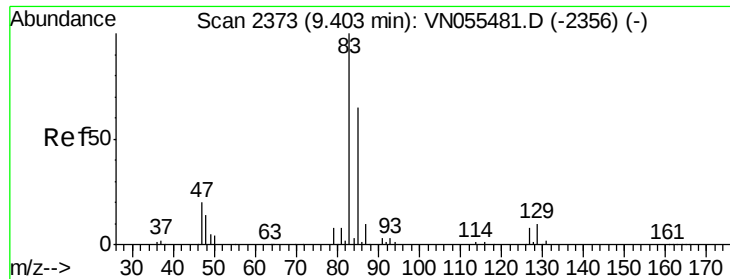
Ion Ratio Lower Upper

93 100

95 81.0 64.8 97.2

174 93.8 75.0 112.6





#47

Bromodichloromethane

Concen: 50.886 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

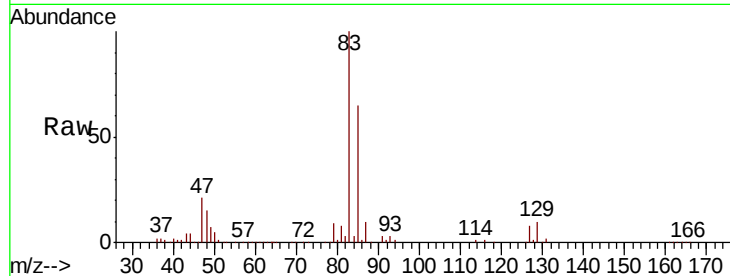
Tot Ion: 83 Resp: 593760

Ion Ratio Lower Upper

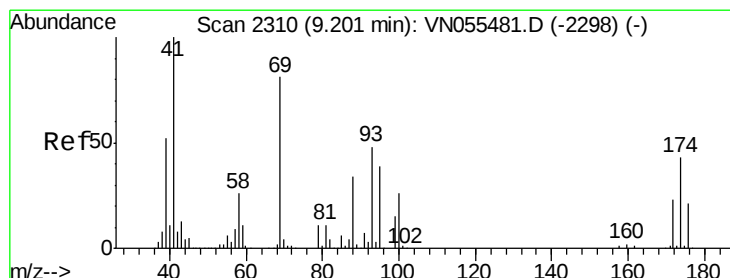
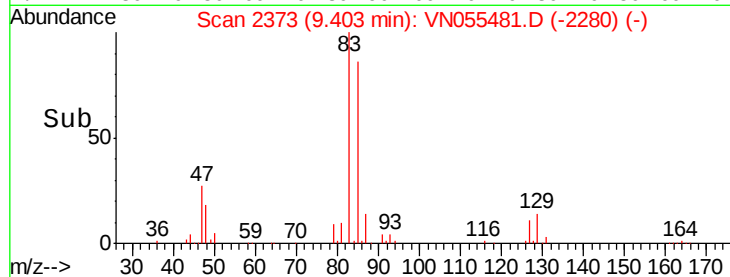
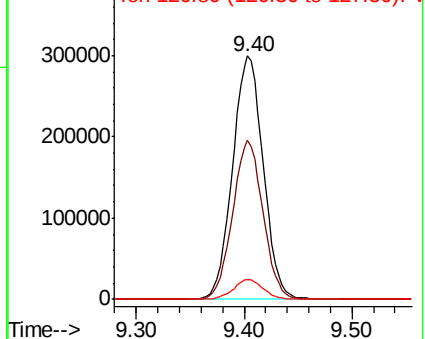
83 100

85 65.2 52.2 78.2

127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 67.264 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

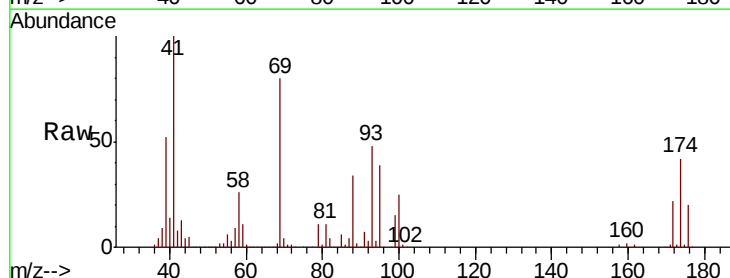
Tgt Ion: 41 Resp: 505657

Ion Ratio Lower Upper

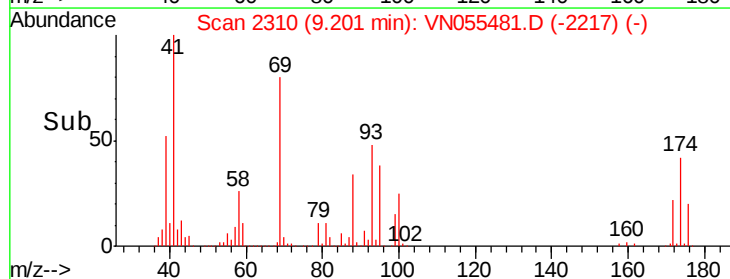
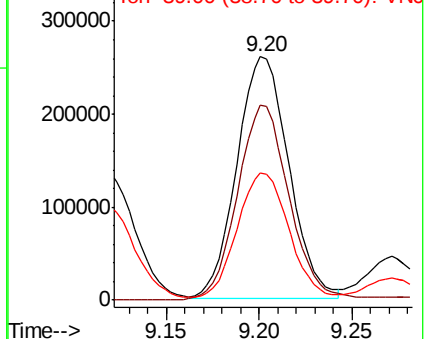
41 100

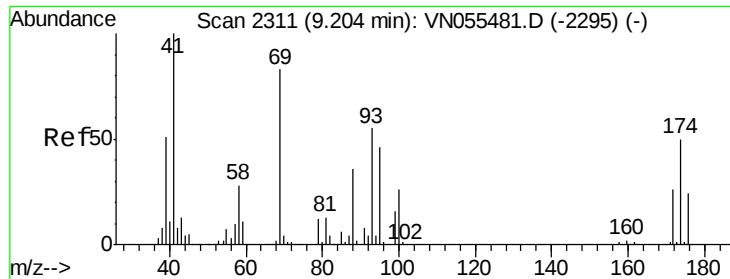
69 80.2 64.2 96.2

39 52.0 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

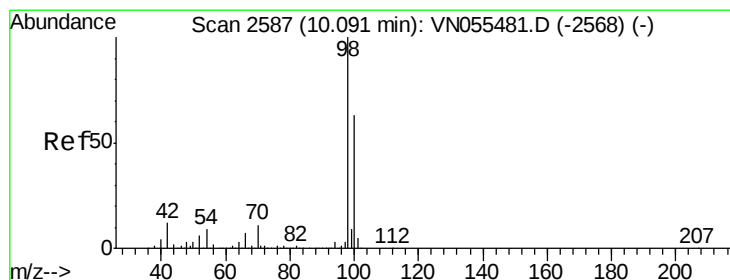
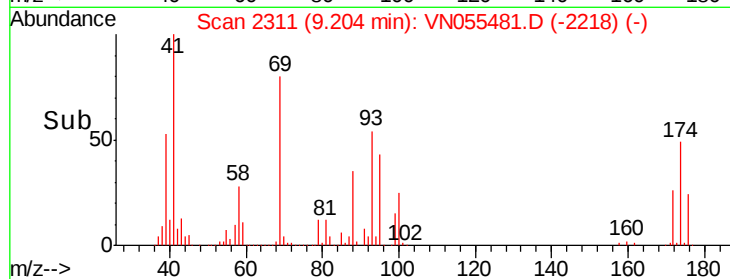
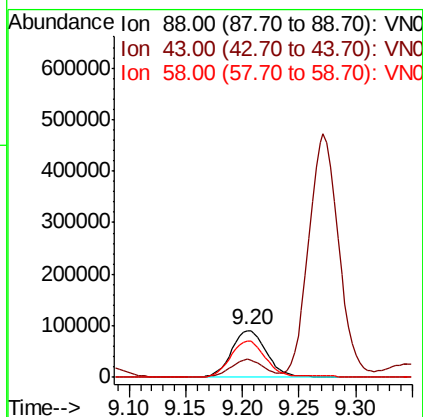
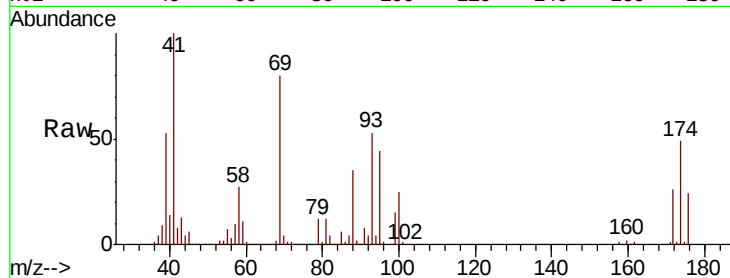




#49
 1,4-Dioxane
 Concen: 2110.696 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

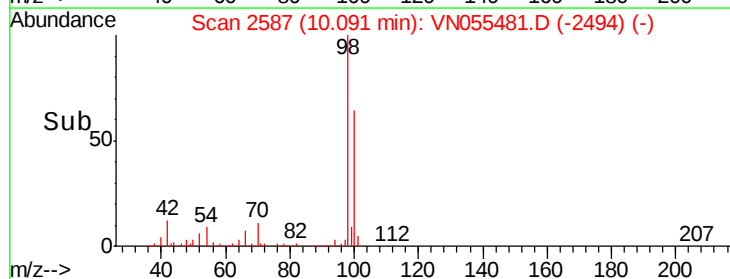
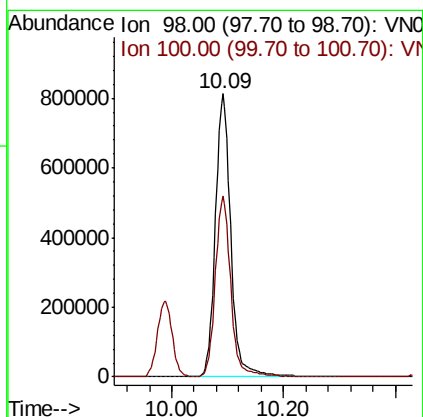
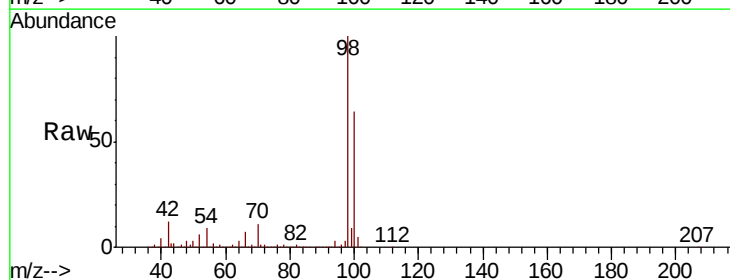
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

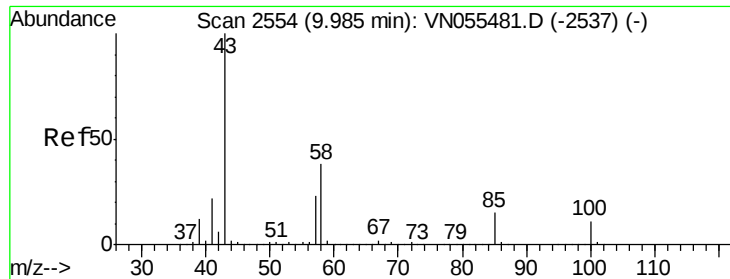
Tot Ion: 88 Resp: 197091
 Ion Ratio Lower Upper
 88 100
 43 34.8 27.8 41.8
 58 77.2 61.8 92.6



#50
 Toluene-d8
 Concen: 53.233 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 98 Resp: 1560638
 Ion Ratio Lower Upper
 98 100
 100 63.0 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 383.088 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

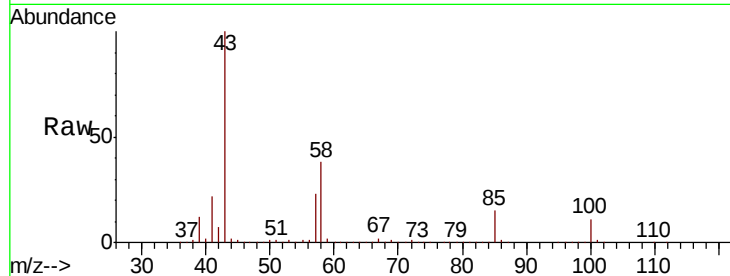
VSTDICCC050

Tot Ion: 43 Resp: 3438634

Ion Ratio Lower Upper

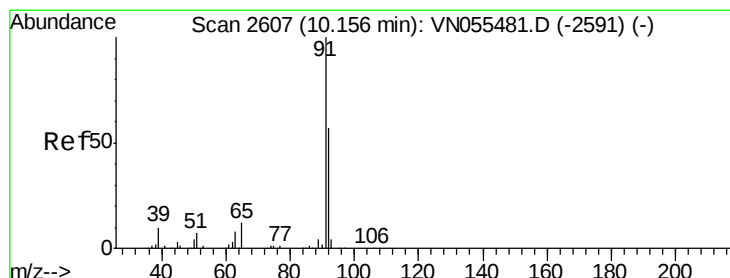
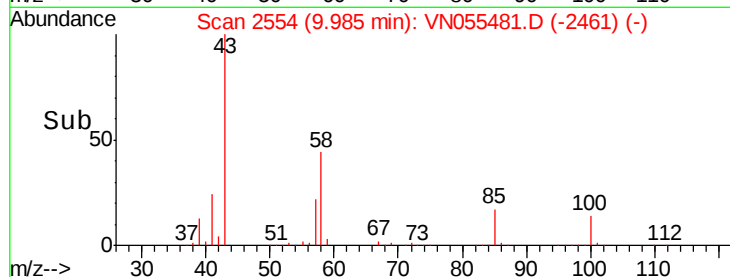
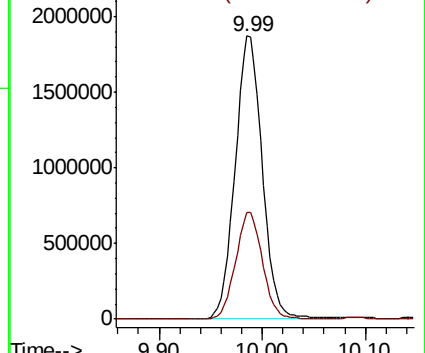
43 100

58 37.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2537) (-)



#52

Toluene

Concen: 54.553 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055481.D

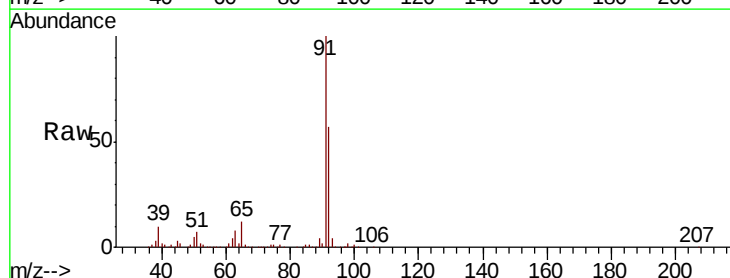
Acq: 8 May 2019 17:49

Tgt Ion: 92 Resp: 1093154

Ion Ratio Lower Upper

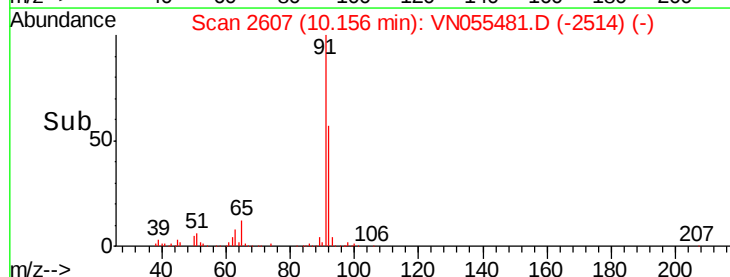
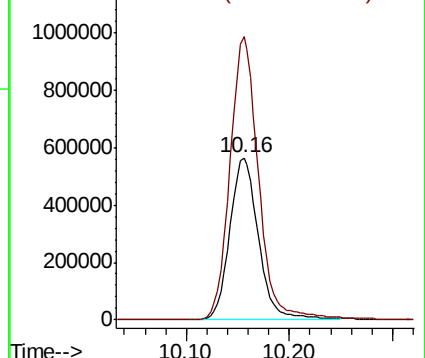
92 100

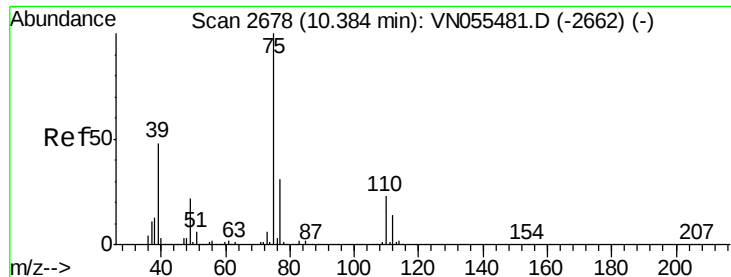
91 175.6 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN055481.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055481.D (-2591) (-)





#53

t-1,3-Dichloropropene

Concen: 59.409 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

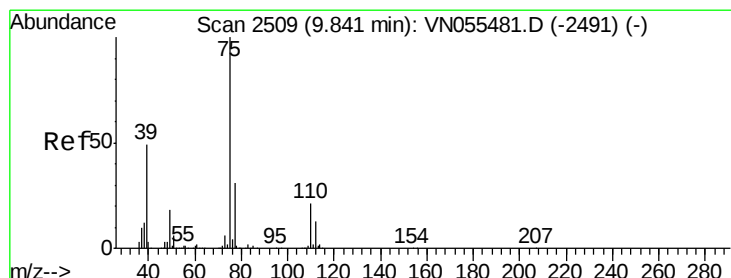
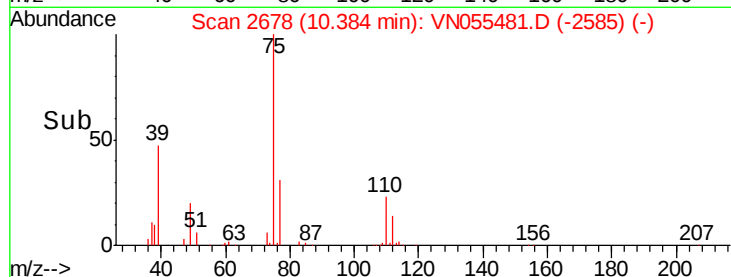
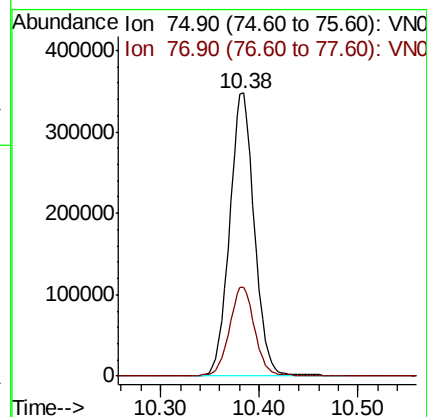
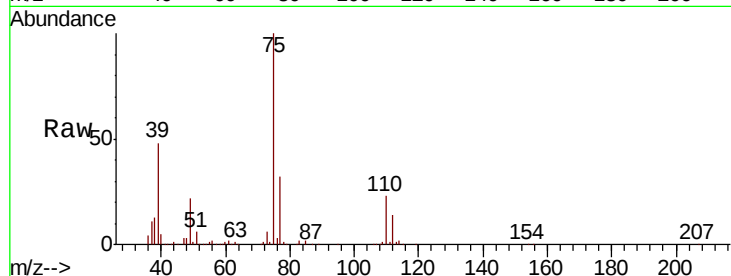
VSTDICCC050

Tot Ion: 75 Resp: 611827

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 57.094 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

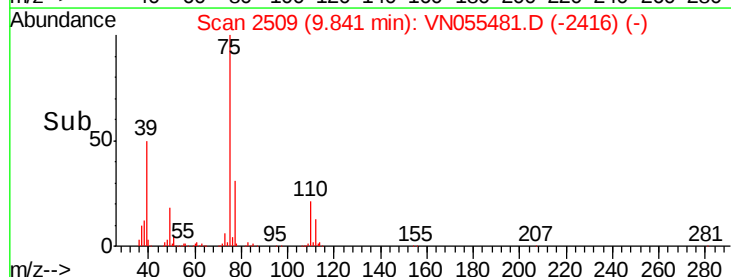
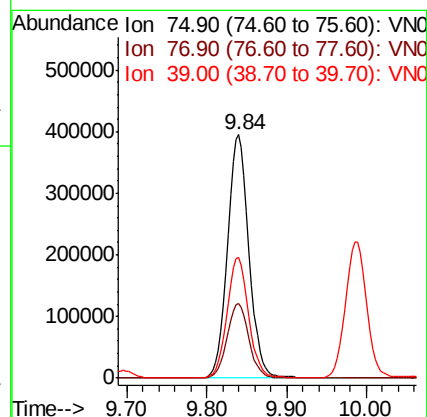
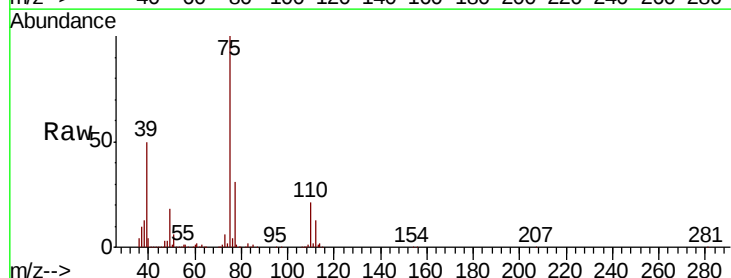
Tgt Ion: 75 Resp: 727862

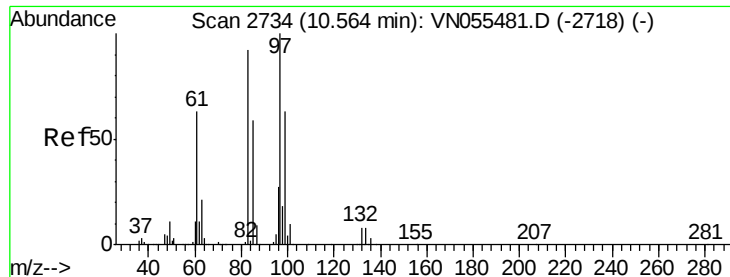
Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6

39 49.4 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 57.238 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 431140

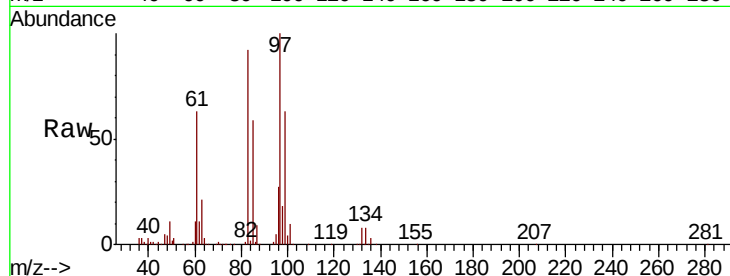
Ion Ratio Lower Upper

97 100

83 91.5 73.2 109.8

85 59.4 47.5 71.3

99 62.7 50.2 75.2

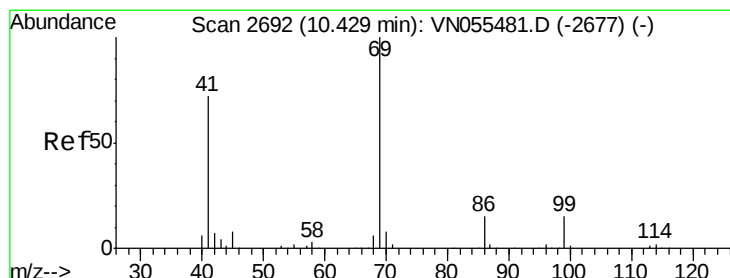
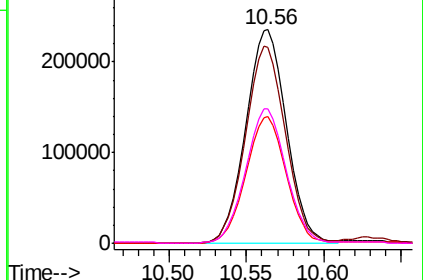
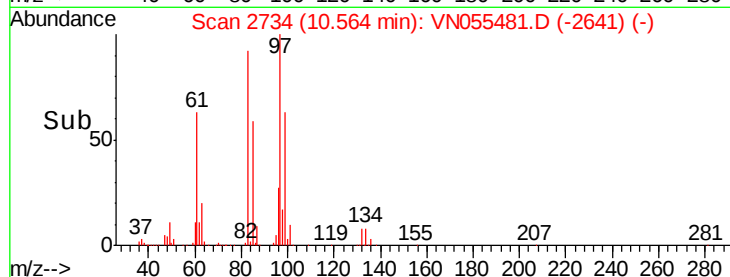


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 70.280 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

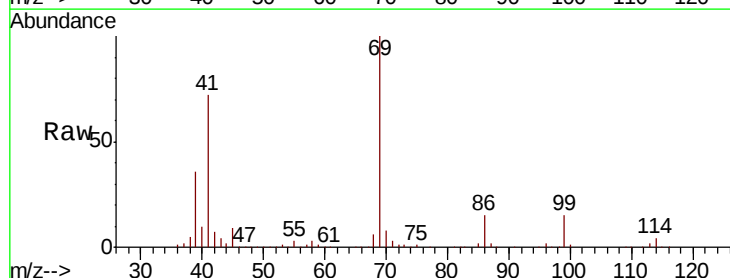
Tgt Ion: 69 Resp: 677241

Ion Ratio Lower Upper

69 100

41 70.2 56.2 84.2

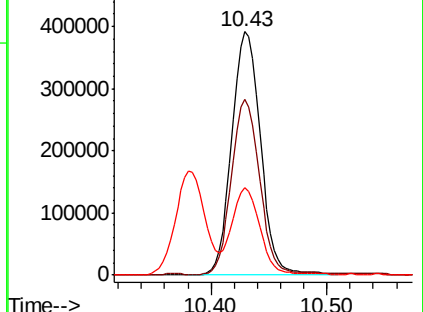
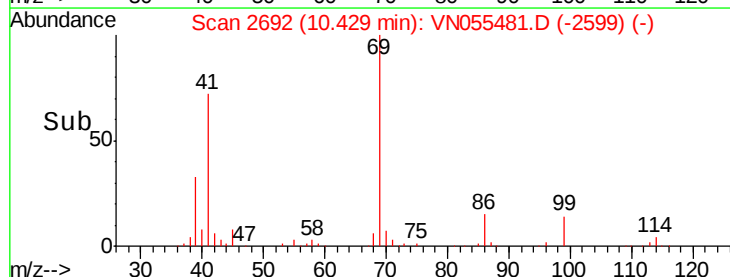
39 34.7 27.8 41.6

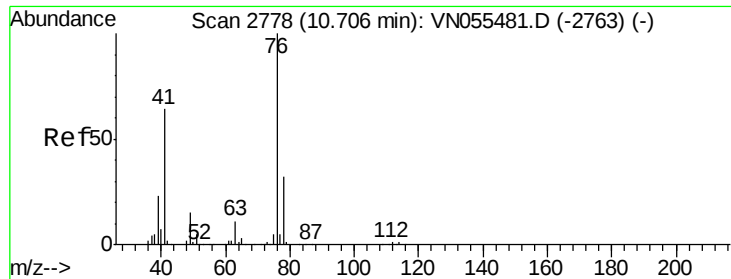


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

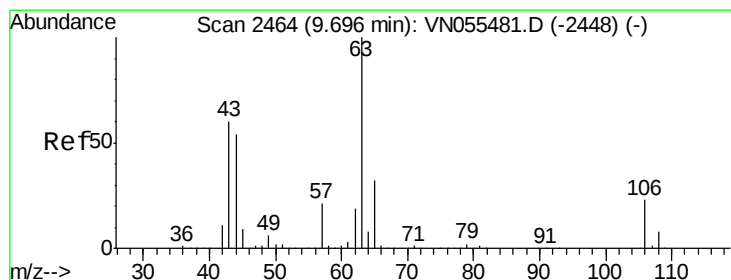
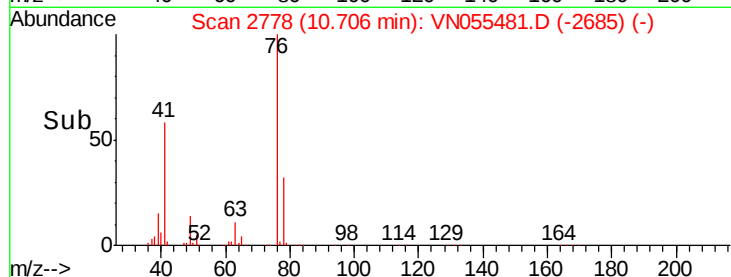
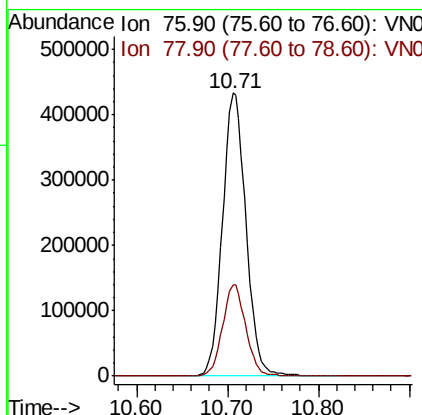
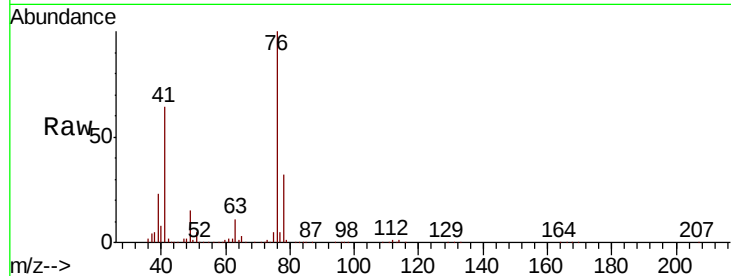




#57
 1,3-Dichloropropane
 Concen: 58.584 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

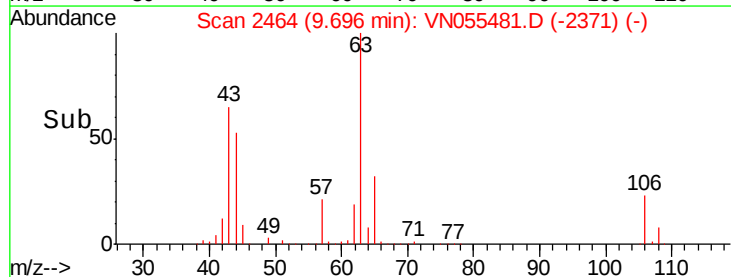
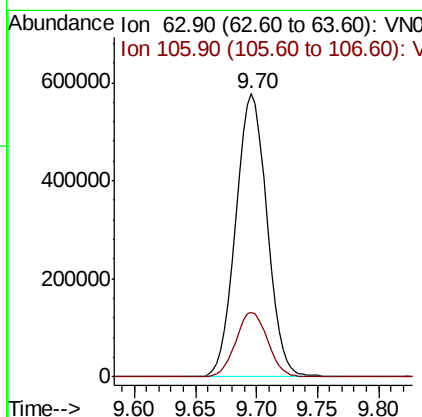
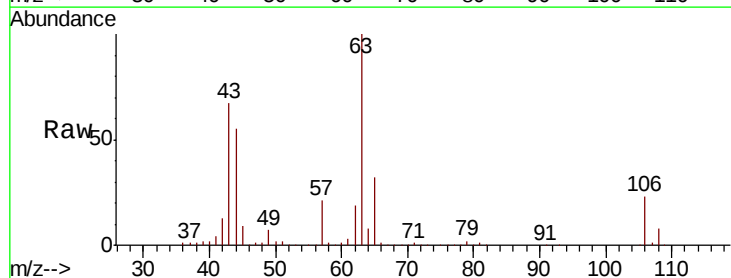
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

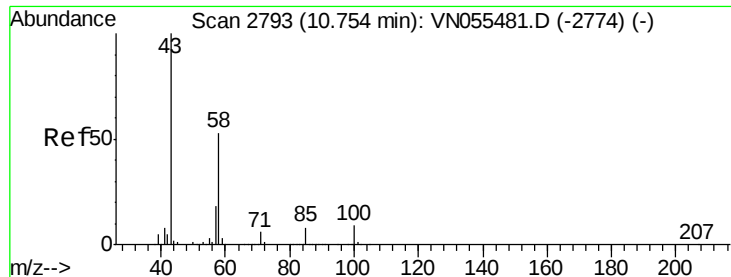
Tot Ion: 76 Resp: 777130
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 392.807 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 63 Resp: 1027126
 Ion Ratio Lower Upper
 63 100
 106 23.2 18.6 27.8

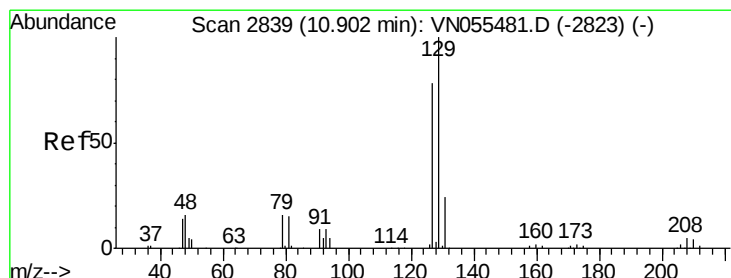
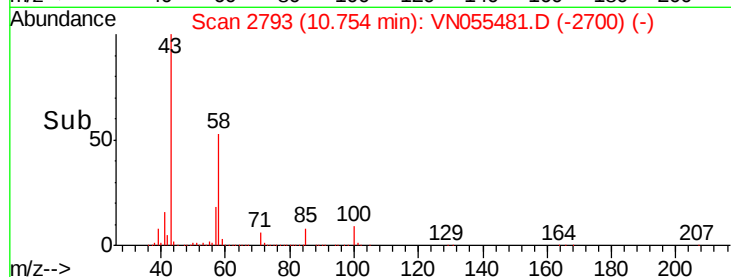
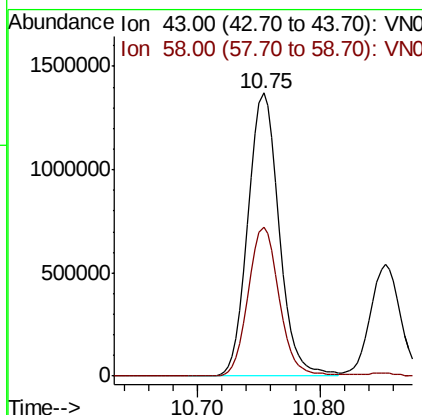
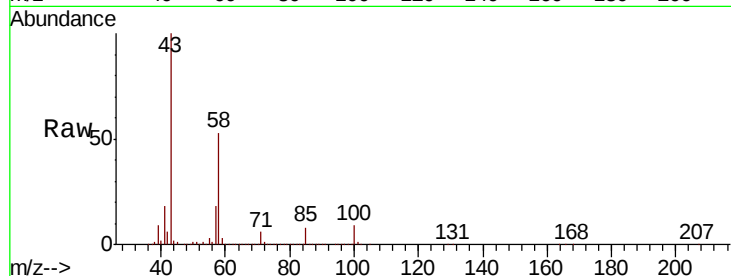




#59
2-Hexanone
Concen: 415.850 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

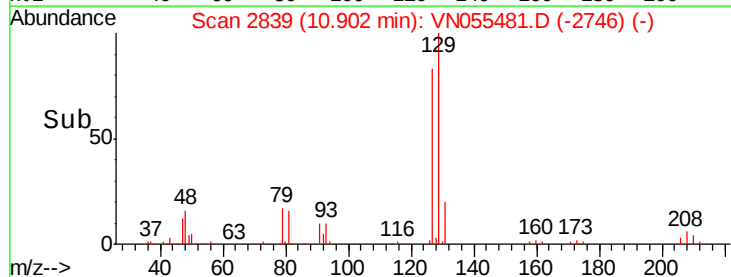
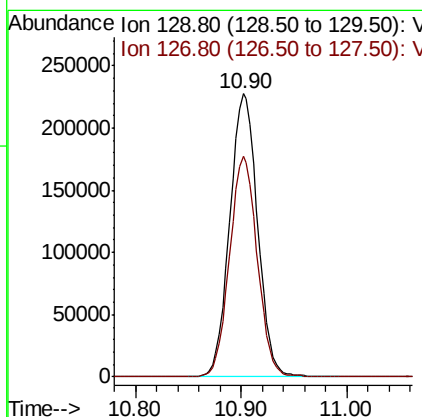
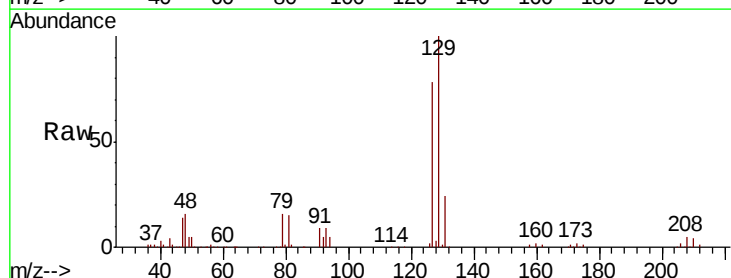
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

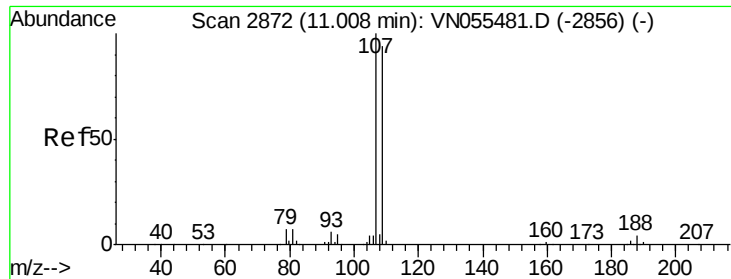
Tot Ion: 43 Resp: 2406214
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 55.194 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 129 Resp: 415661
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

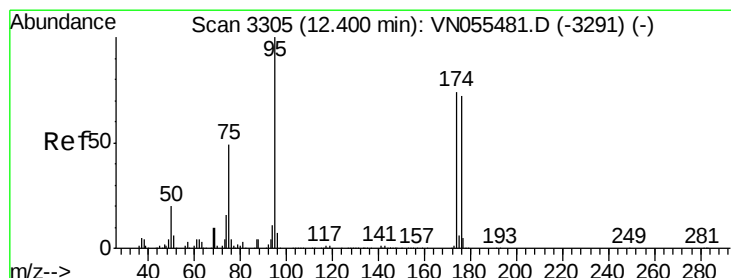
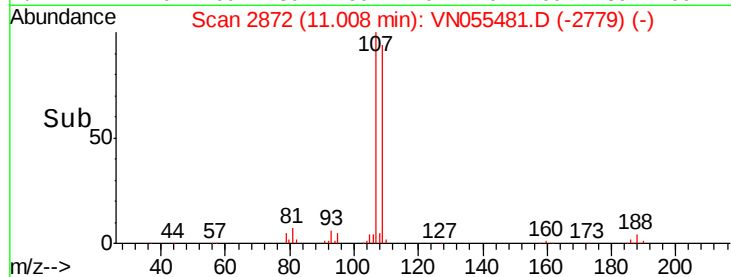
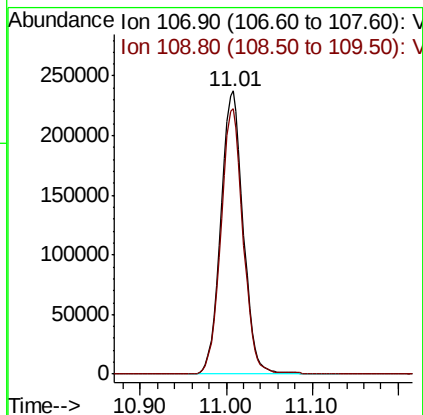
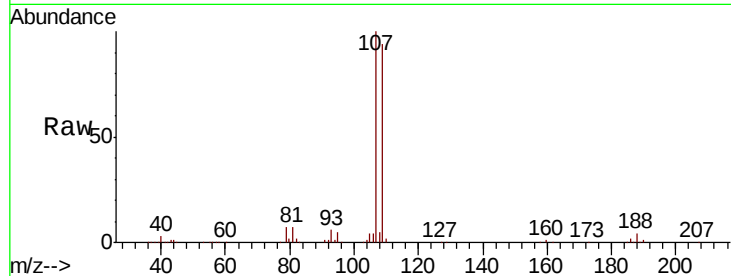




#61
 1,2-Dibromoethane
 Concen: 61.135 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

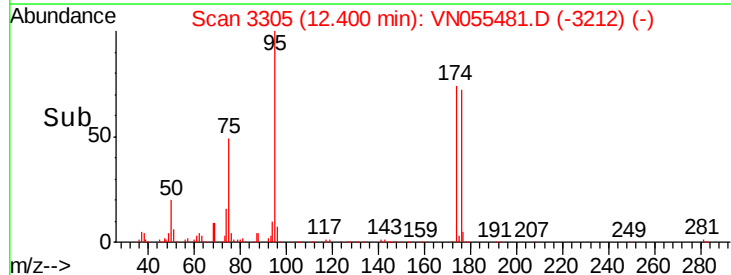
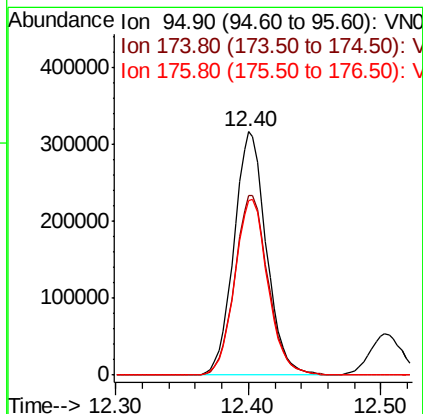
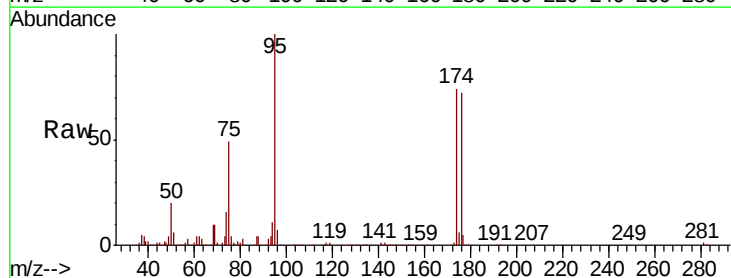
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

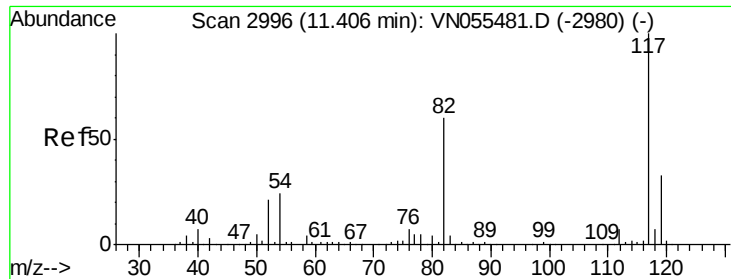
Tot Ion:107 Resp: 429757
 Ion Ratio Lower Upper
 107 100
 109 92.8 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 58.130 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 95 Resp: 537712
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 152.2
 176 73.9 0.0 147.8

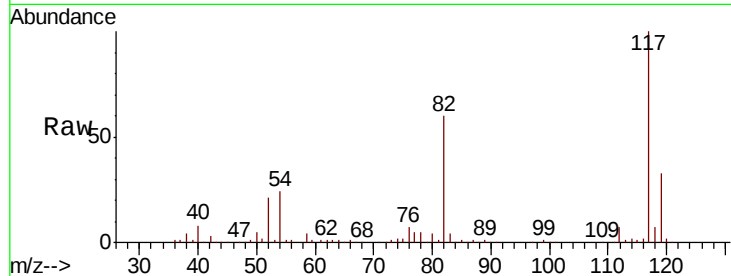




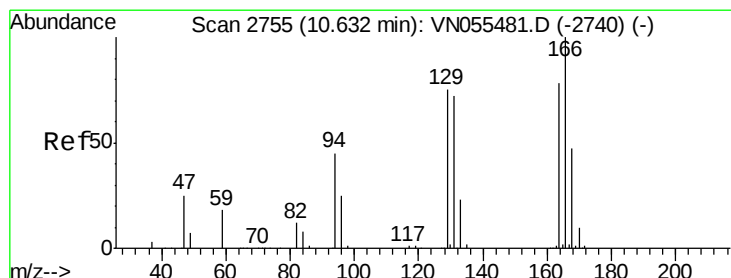
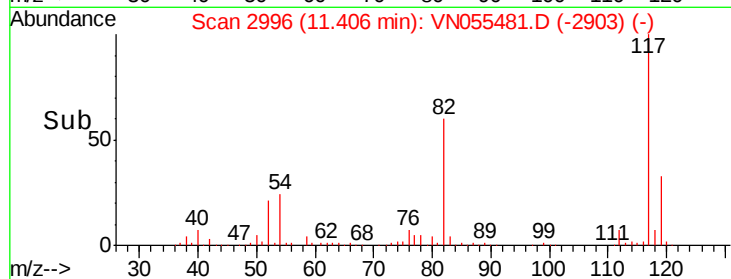
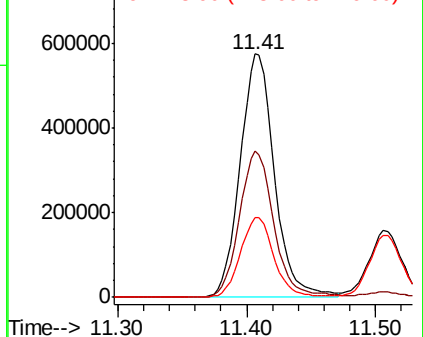
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1064290
Ion Ratio Lower Upper
117 100
82 60.0 48.0 72.0
119 32.5 26.0 39.0

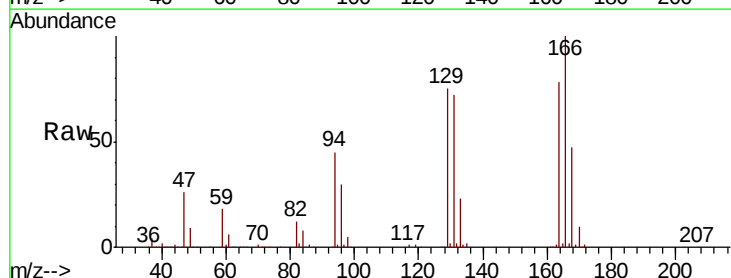


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

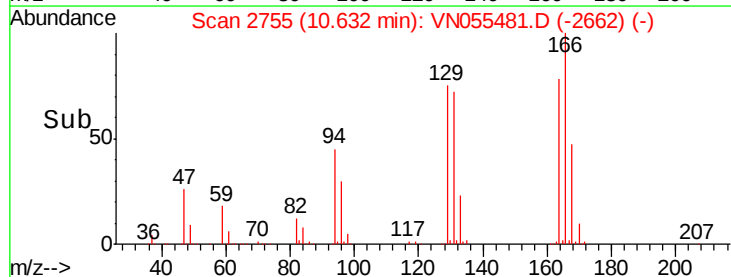
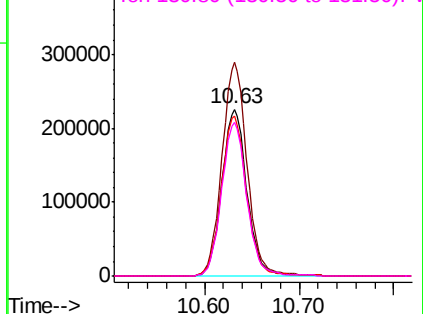


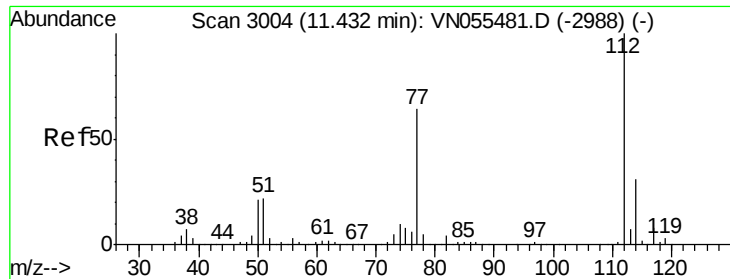
#64
Tetrachloroethene
Concen: 47.652 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:164 Resp: 417176
Ion Ratio Lower Upper
164 100
166 128.2 102.6 153.8
129 96.3 77.0 115.6
131 92.1 73.7 110.5



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

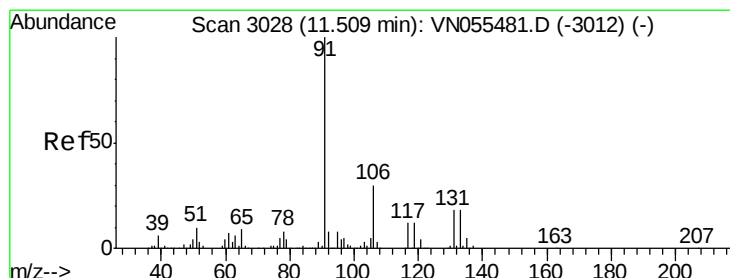
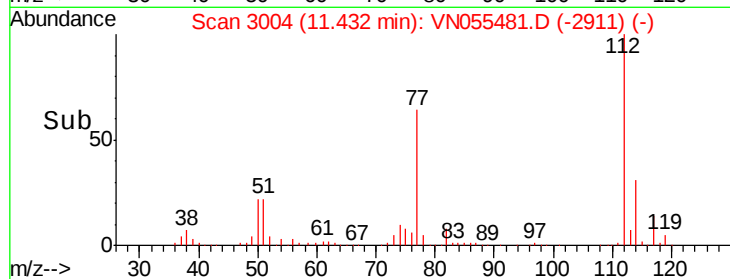
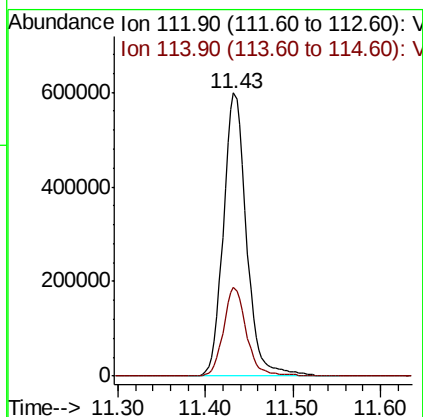
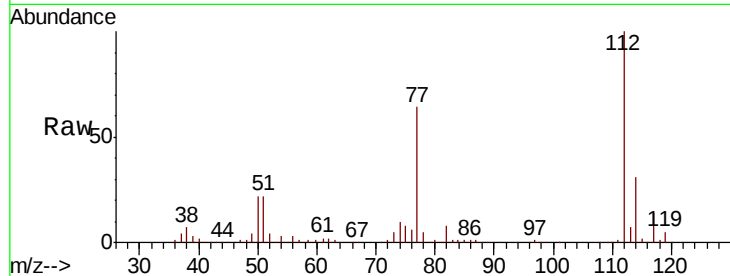




#65
Chlorobenzene
Concen: 52.155 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

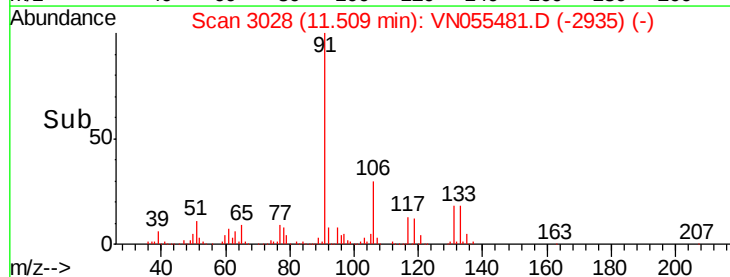
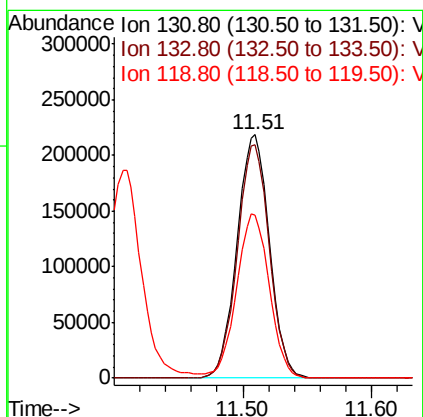
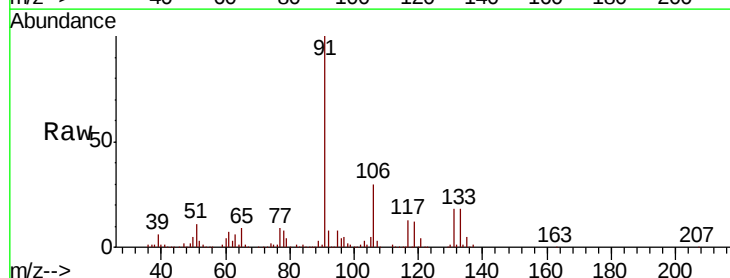
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

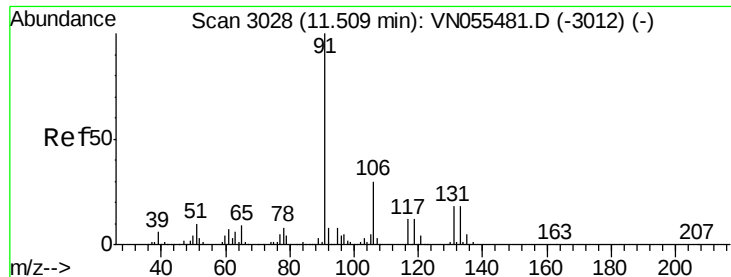
Tot Ion:112 Resp: 1099399
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.126 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:131 Resp: 381751
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 68.1 34.1 102.2





#67

Ethyl Benzene

Concen: 54.435 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

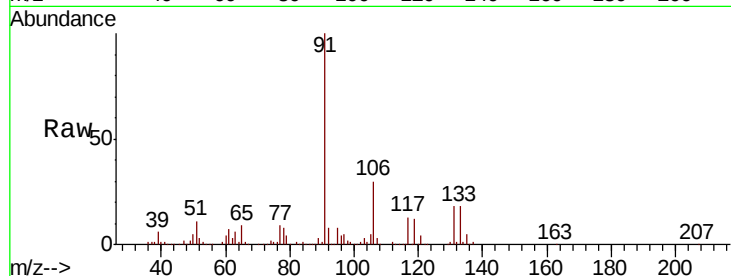
VSTDICCC050

Tot Ion: 91 Resp: 2081452

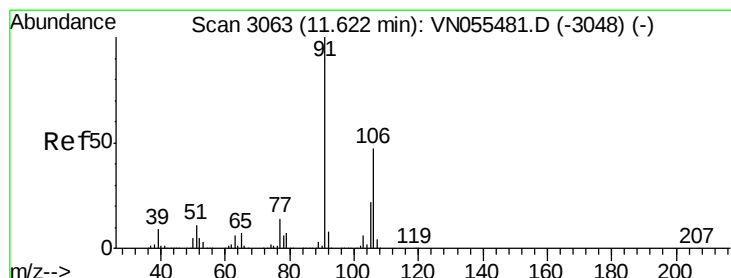
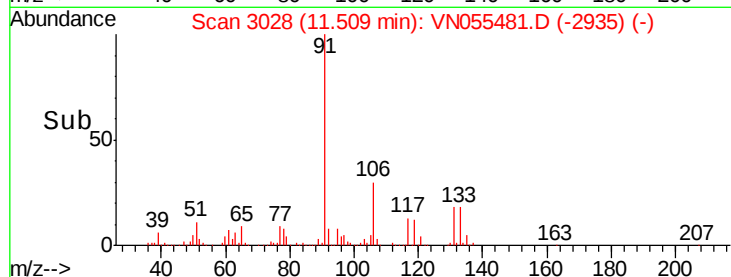
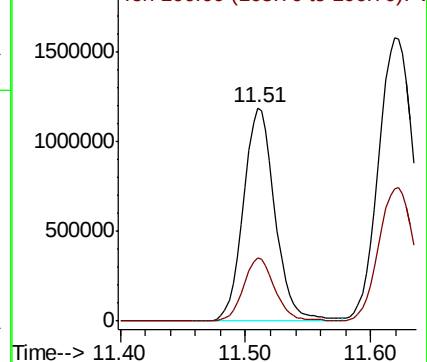
Ion Ratio Lower Upper

91 100

106 29.7 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3012) (-)



#68

m/p-Xylenes

Concen: 110.530 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055481.D

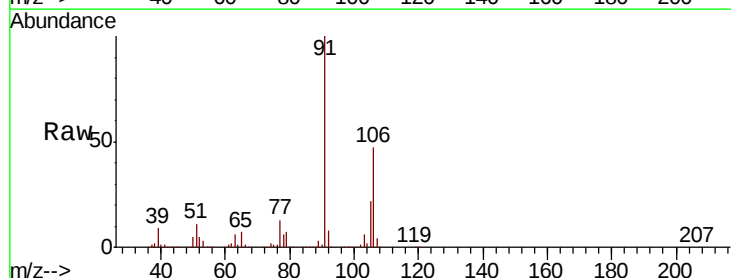
Acq: 8 May 2019 17:49

Tgt Ion: 106 Resp: 1512103

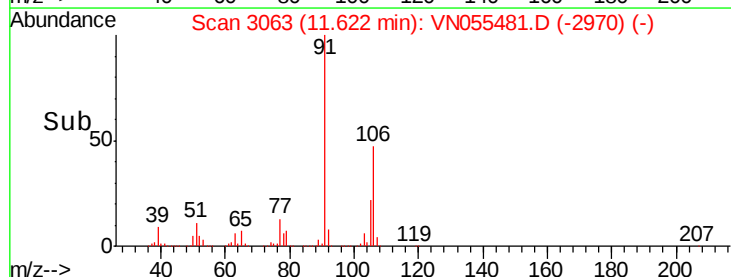
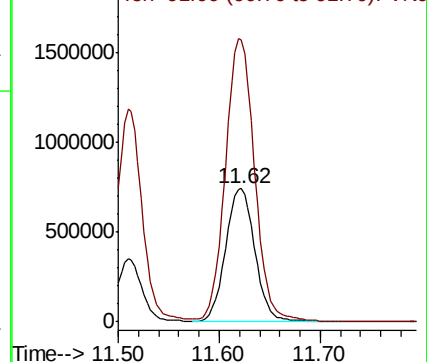
Ion Ratio Lower Upper

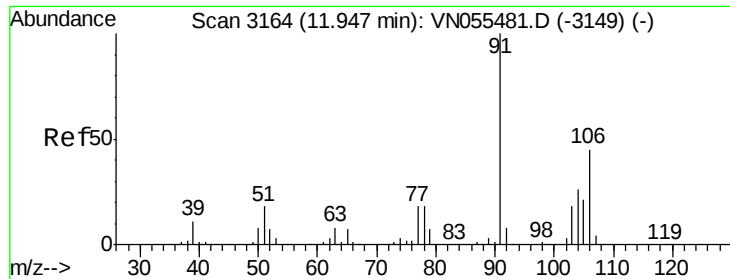
106 100

91 211.5 169.2 253.8



Abundance Ion 106.00 (105.70 to 106.70): VN055481.D (-3048) (-)

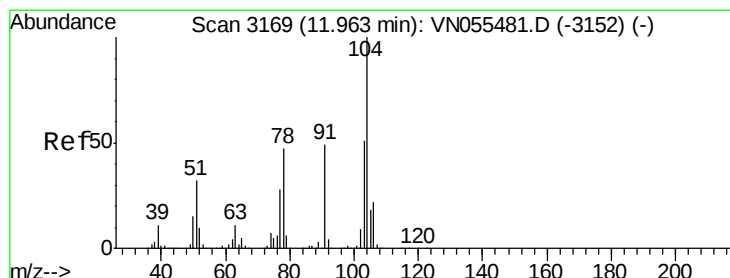
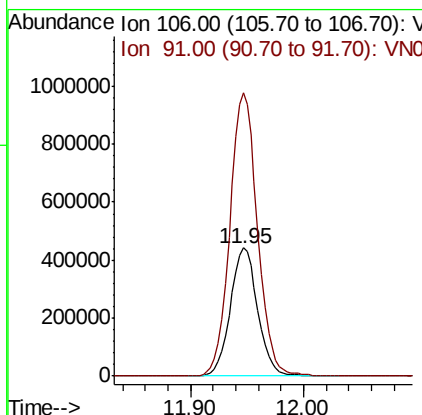
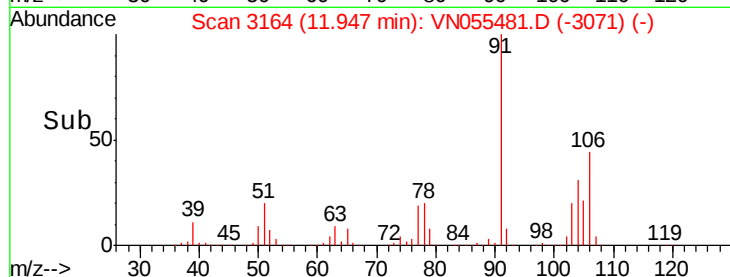
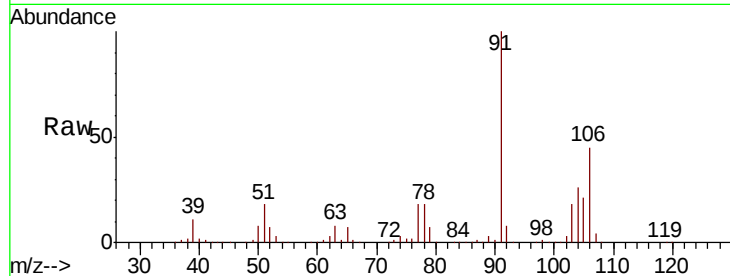




#69
o-Xylene
Concen: 54.807 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

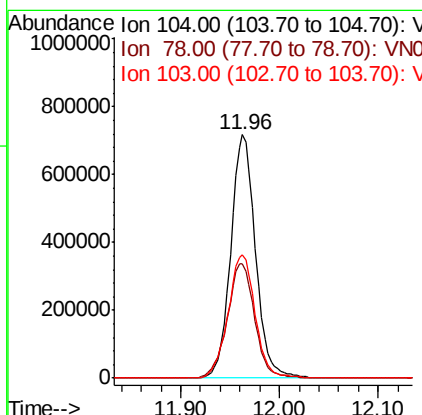
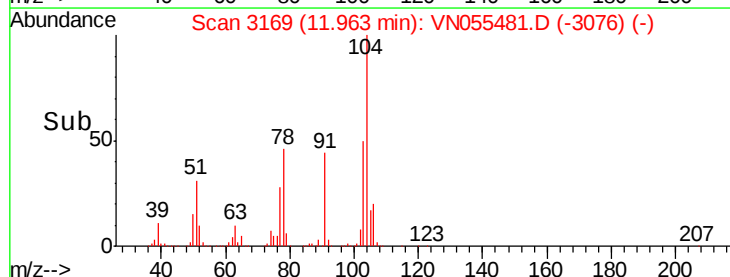
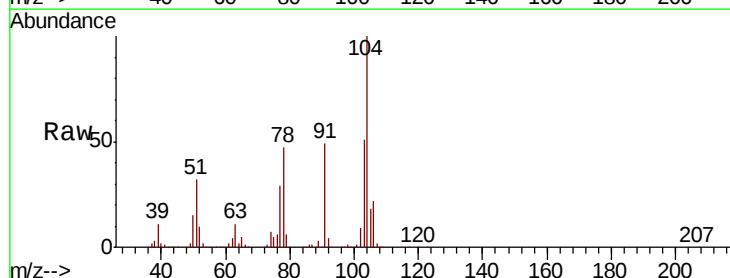
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

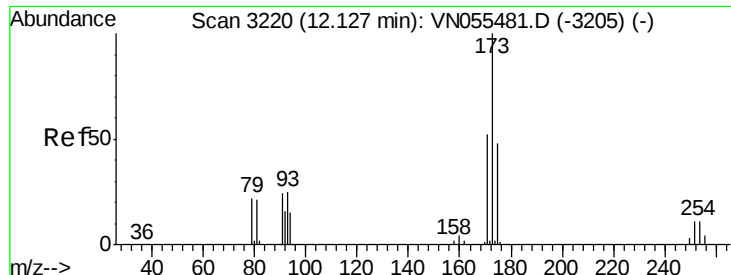
Tot Ion:106 Resp: 743360
Ion Ratio Lower Upper
106 100
91 222.5 111.3 333.8



#70
Styrene
Concen: 60.055 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:104 Resp: 1257273
Ion Ratio Lower Upper
104 100
78 52.0 41.6 62.4
103 55.5 44.4 66.6

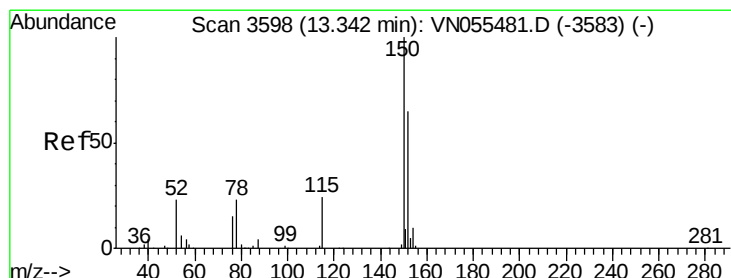
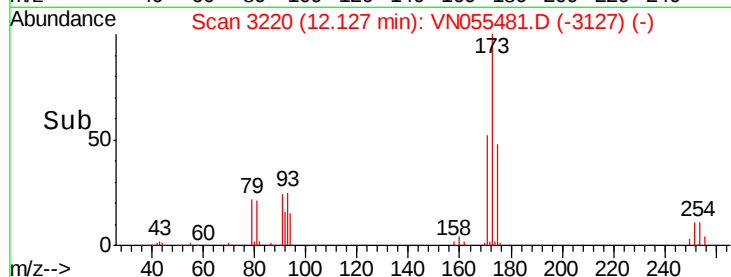
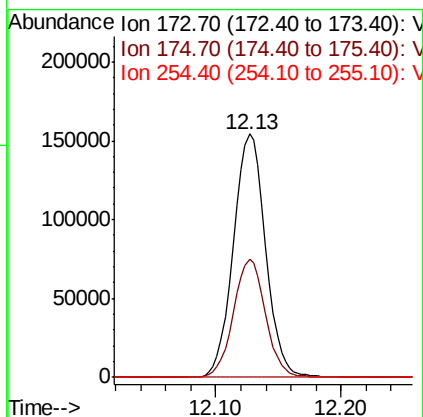
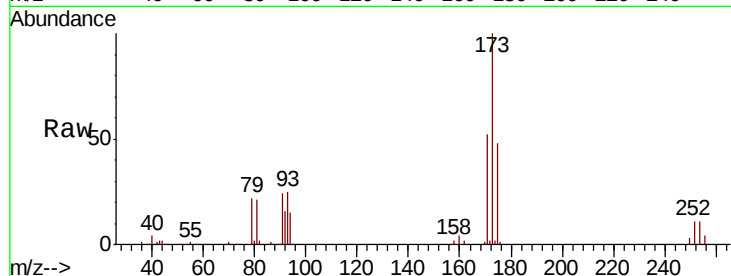




#71
Bromoform
Concen: 59.428 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

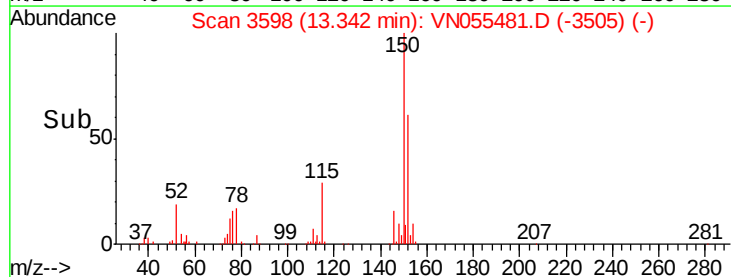
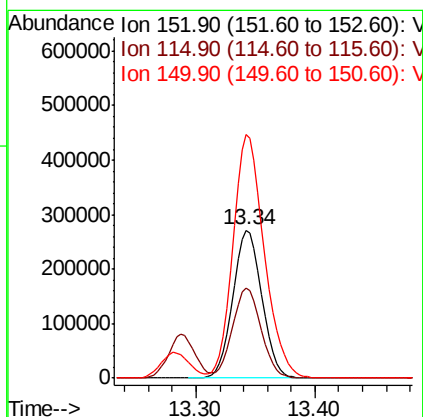
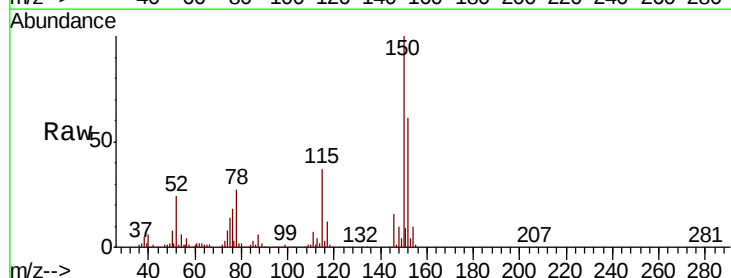
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

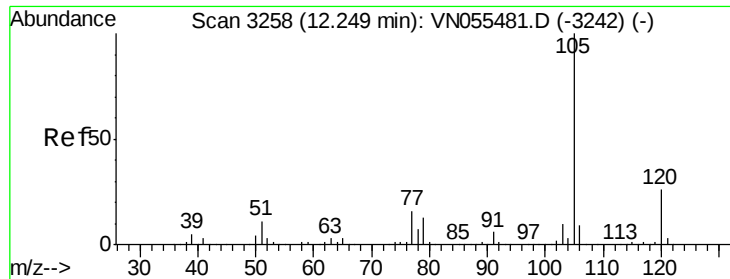
Tot Ion:173 Resp: 274848
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.4
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:152 Resp: 456395
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 177.5 0.0 355.0





#73

Isopropylbenzene

Concen: 42.767 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

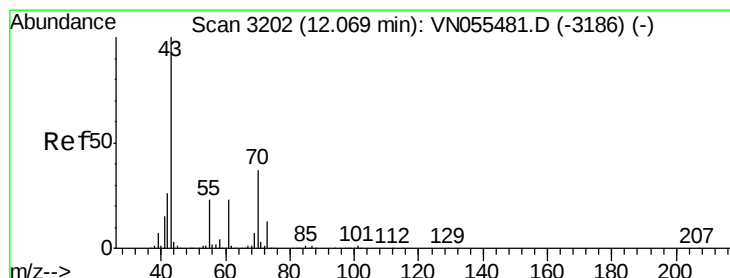
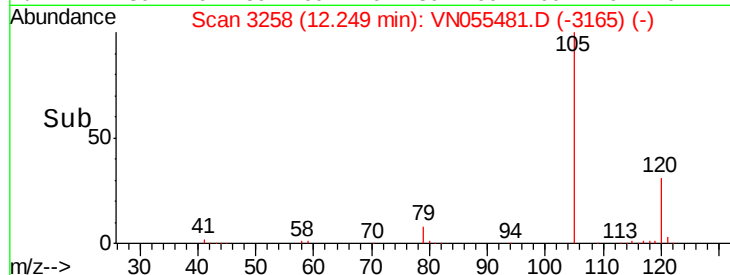
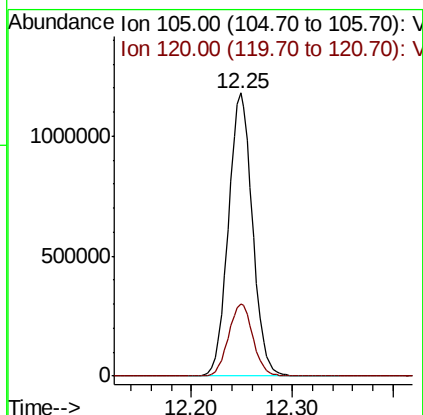
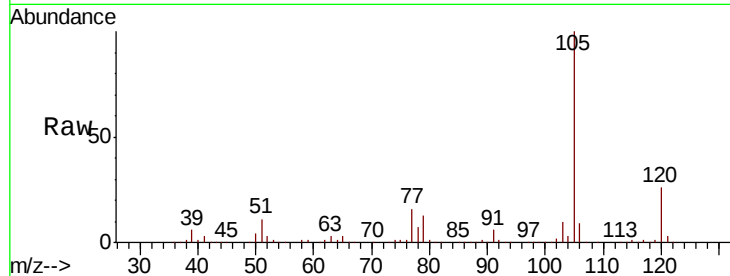
VSTDICCC050

Tot Ion:105 Resp: 1959813

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 68.555 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Tgt Ion: 43 Resp: 866965

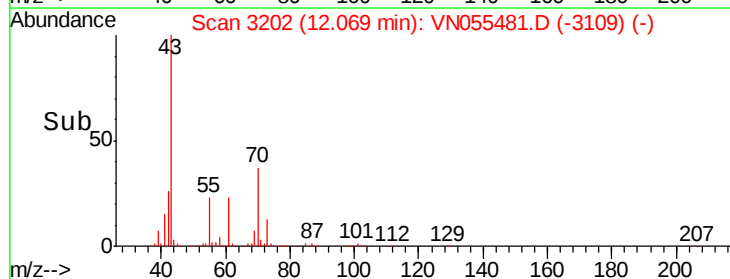
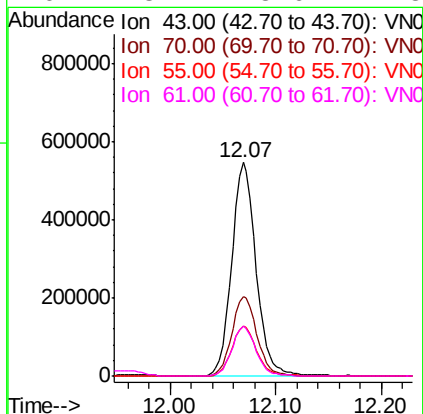
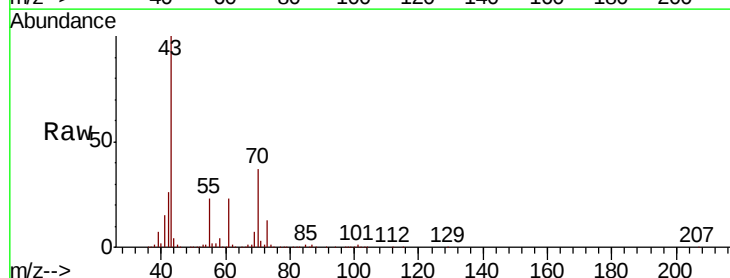
Ion Ratio Lower Upper

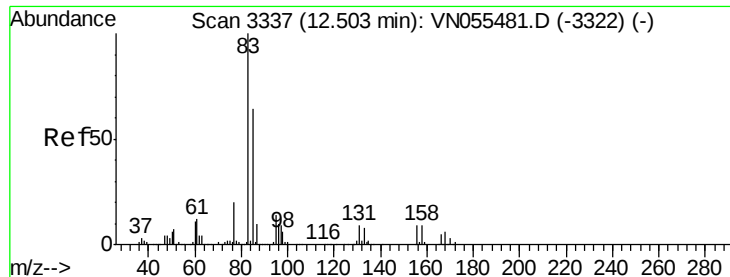
43 100

70 38.4 30.7 46.1

55 24.1 19.3 28.9

61 23.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.627 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

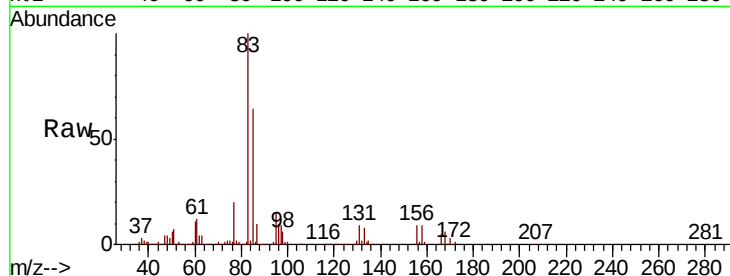
Tot Ion: 83 Resp: 638327

Ion Ratio Lower Upper

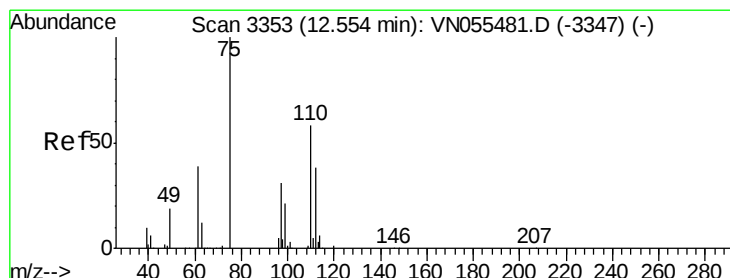
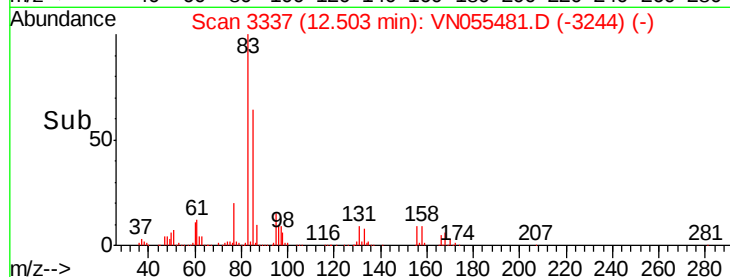
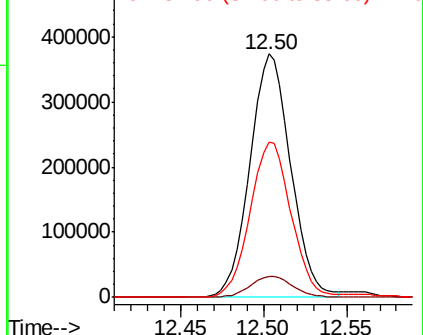
83 100

131 9.0 4.5 13.5

85 64.0 32.0 96.0



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



#76

1,2,3-Trichloropropane

Concen: 71.744 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055481.D

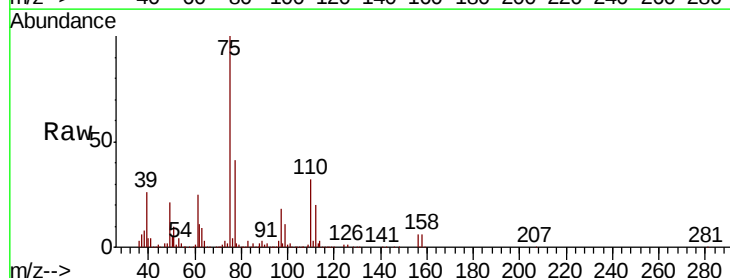
Acq: 8 May 2019 17:49

Tgt Ion: 75 Resp: 782031

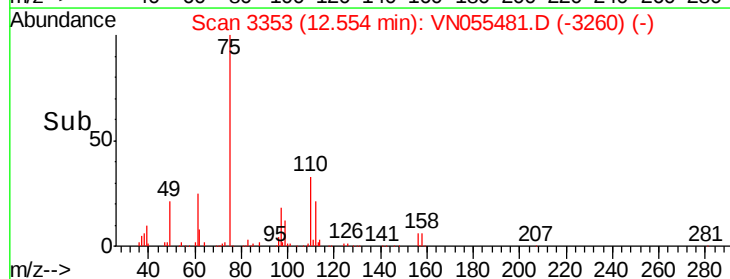
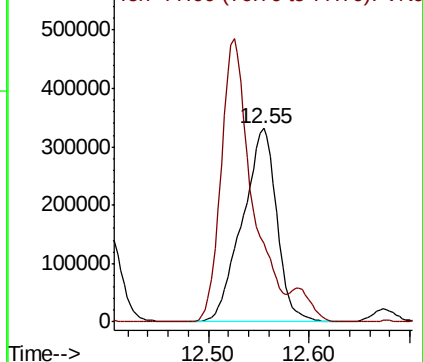
Ion Ratio Lower Upper

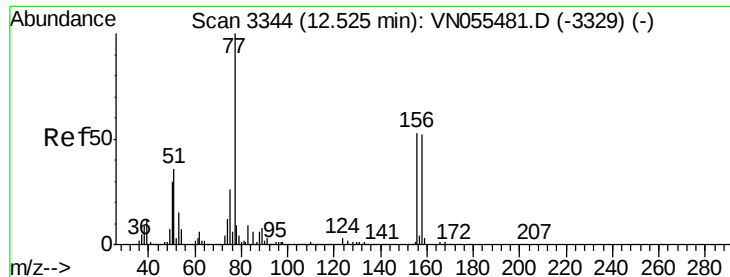
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 43.495 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

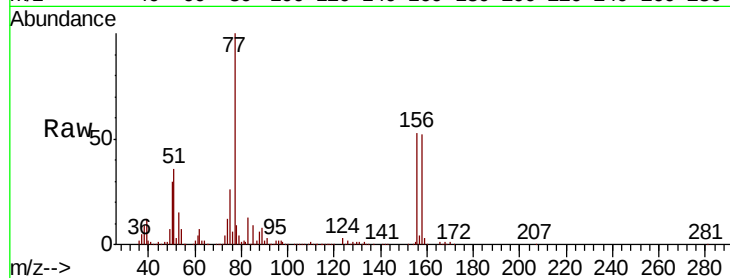
Tot Ion:156 Resp: 450817

Ion Ratio Lower Upper

156 100

77 230.8 115.4 346.2

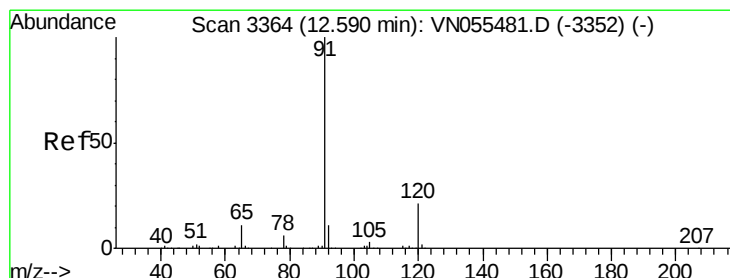
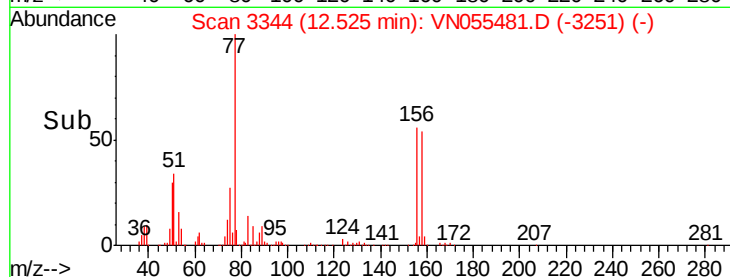
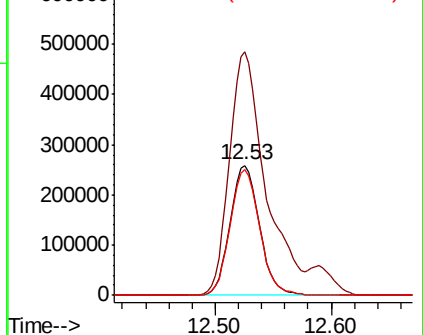
158 97.4 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.020 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055481.D

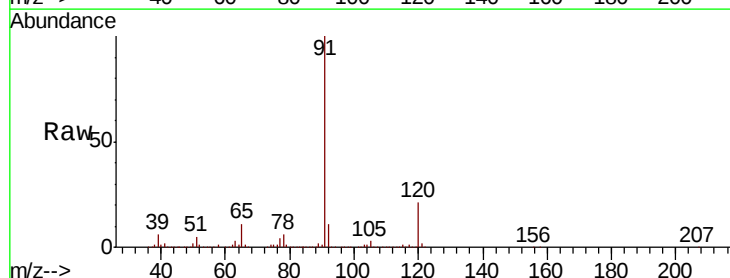
Acq: 8 May 2019 17:49

Tgt Ion: 91 Resp: 2278001

Ion Ratio Lower Upper

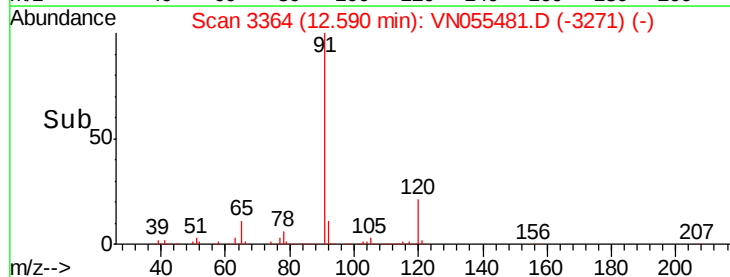
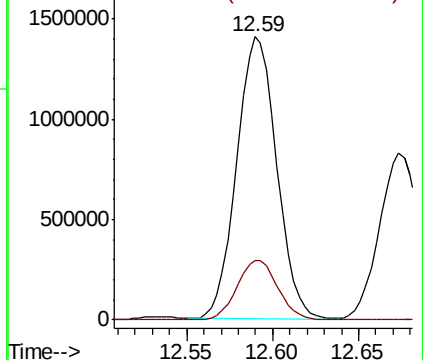
91 100

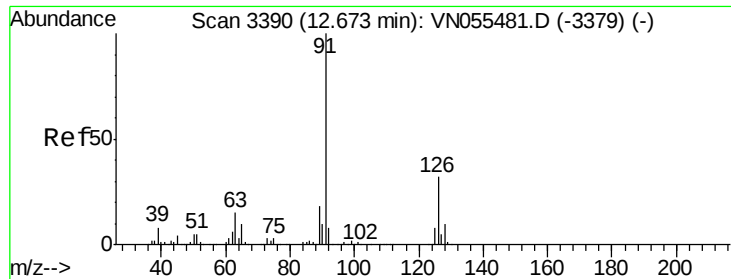
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

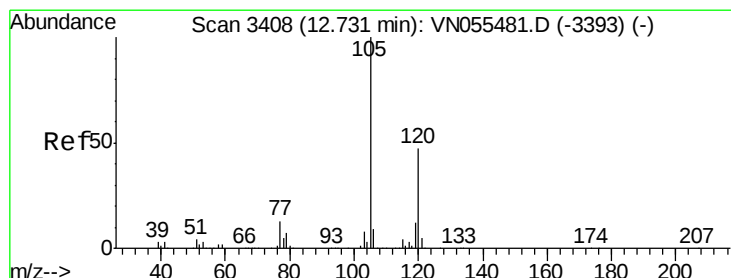
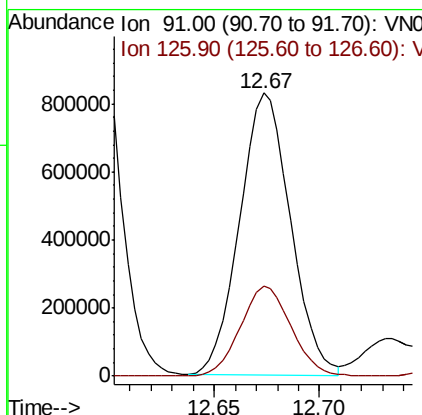
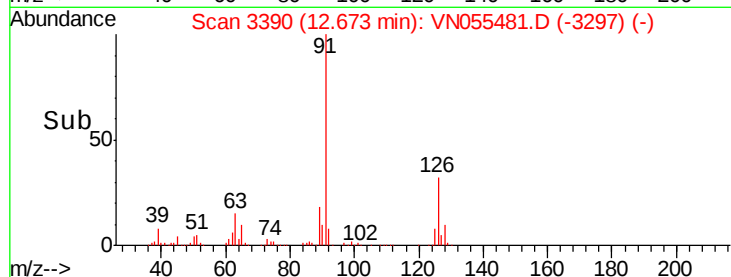
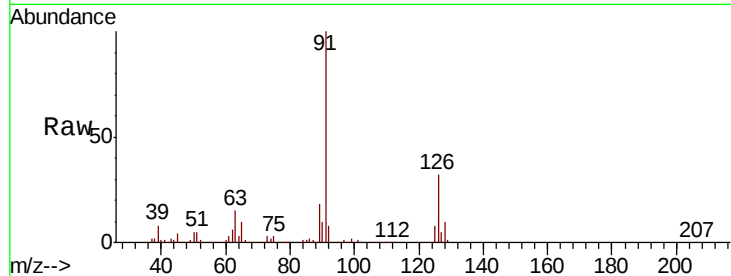




#79
 2-Chlorotoluene
 Concen: 45.792 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

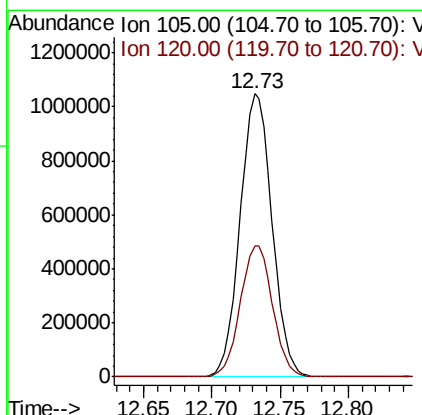
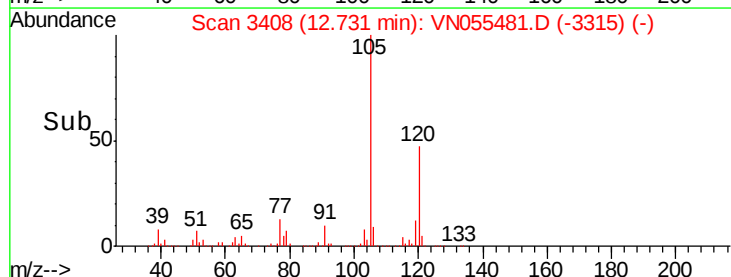
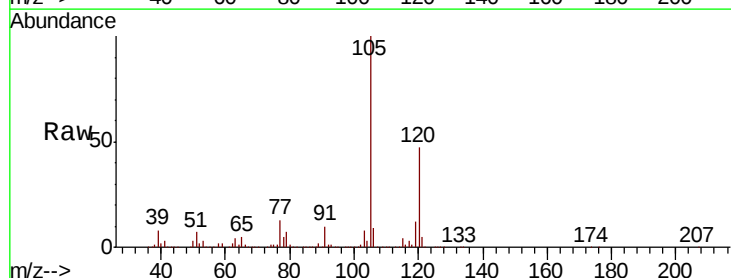
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

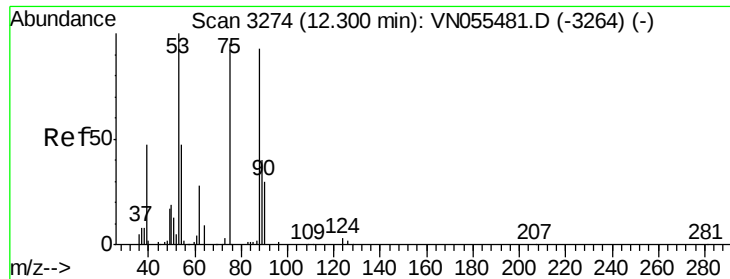
Tot Ion: 91 Resp: 1389228
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 46.888 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion: 105 Resp: 1700229
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0

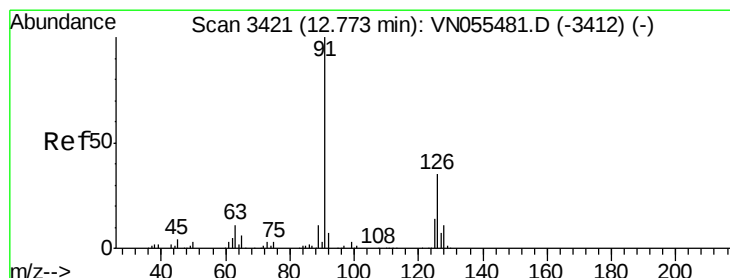
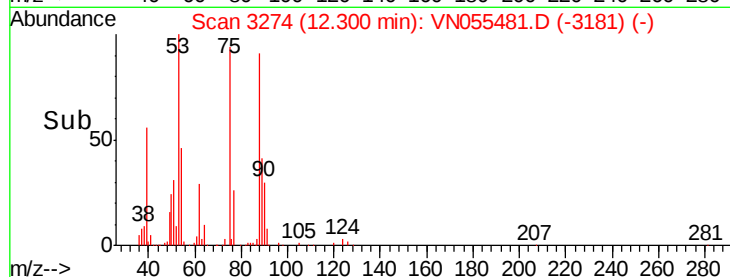
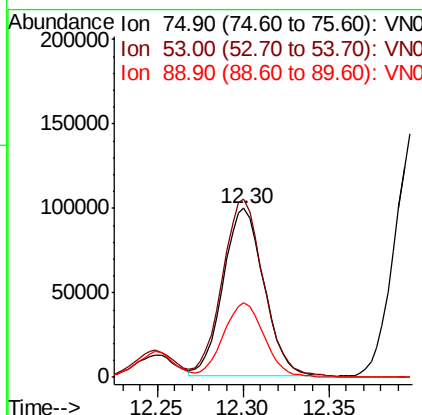
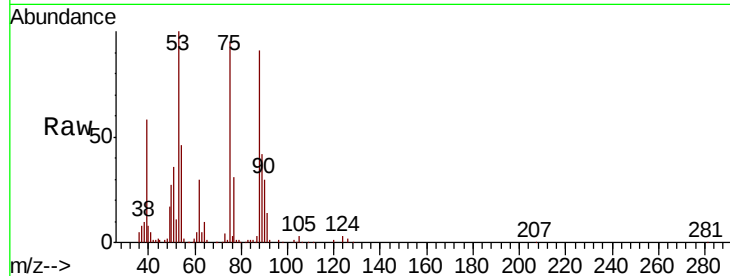




#81
trans-1,4-Dichloro-2-butene
Concen: 63.102 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

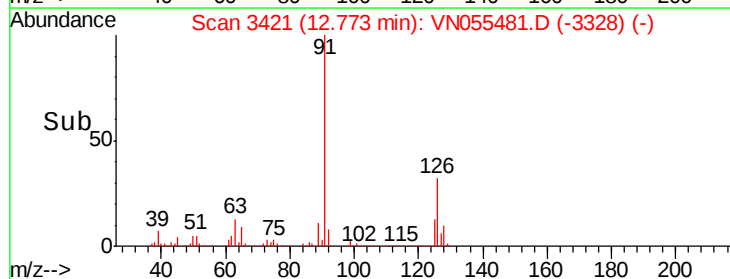
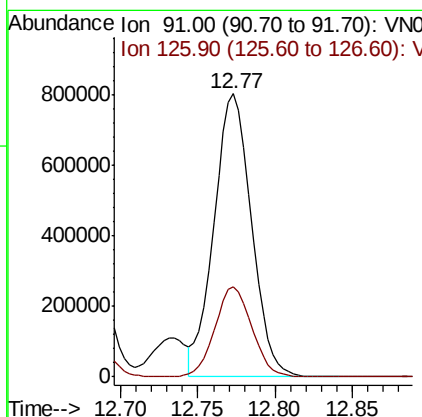
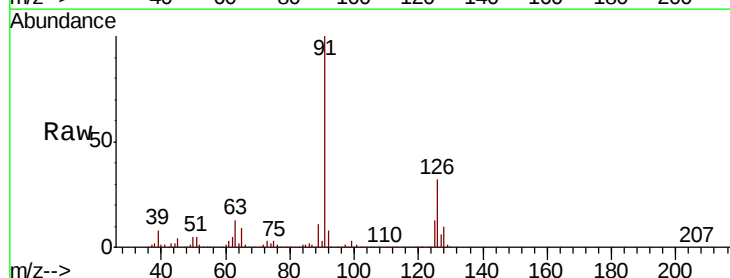
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

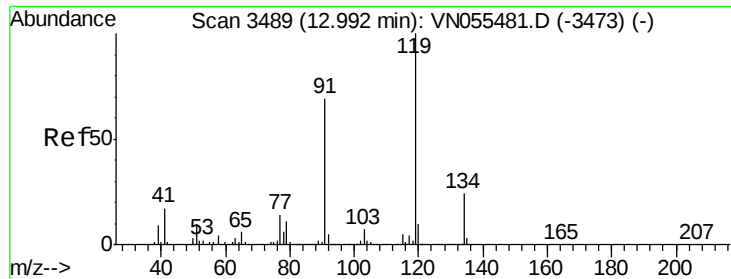
Tot Ion: 75 Resp: 164875
Ion Ratio Lower Upper
75 100
53 108.1 86.5 129.7
89 44.6 35.7 53.5



#82
4-Chlorotoluene
Concen: 48.874 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 91 Resp: 1352904
Ion Ratio Lower Upper
91 100
126 31.3 15.7 47.0

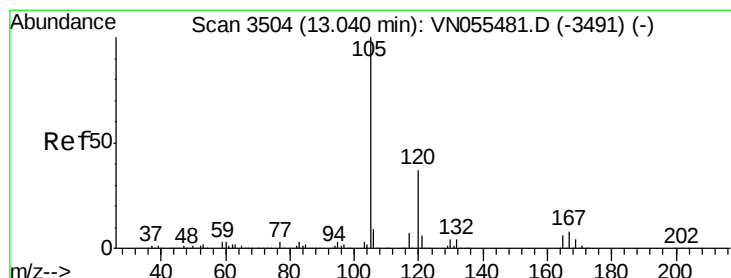
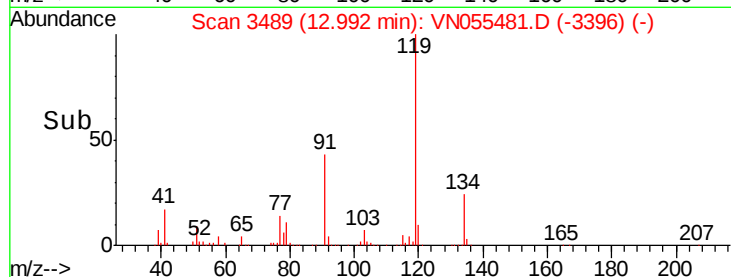
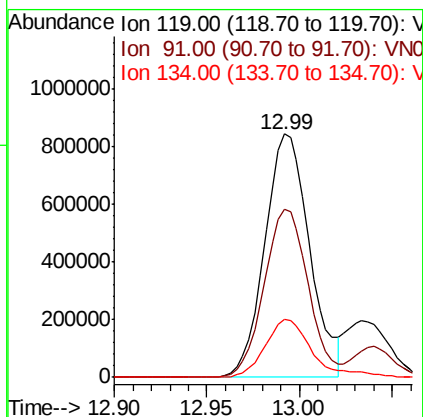
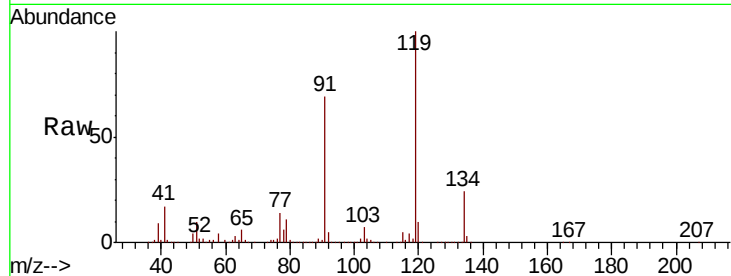




#83
 tert-Butylbenzene
 Concen: 43.832 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

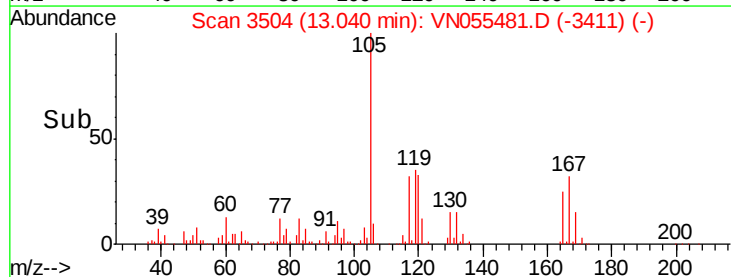
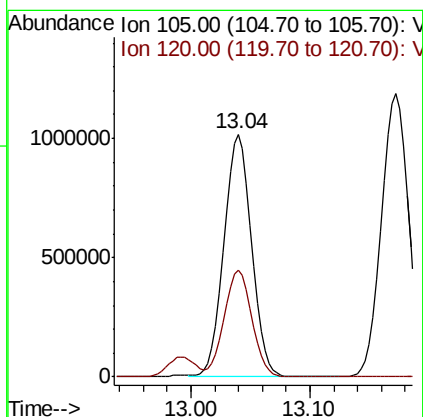
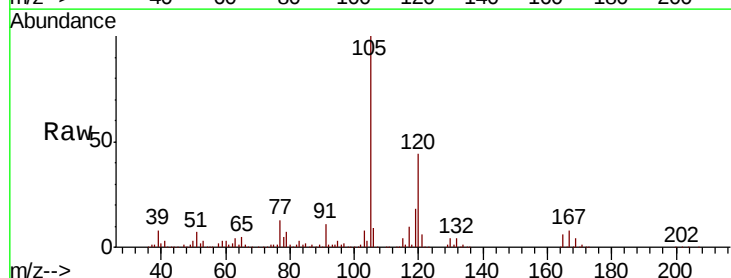
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

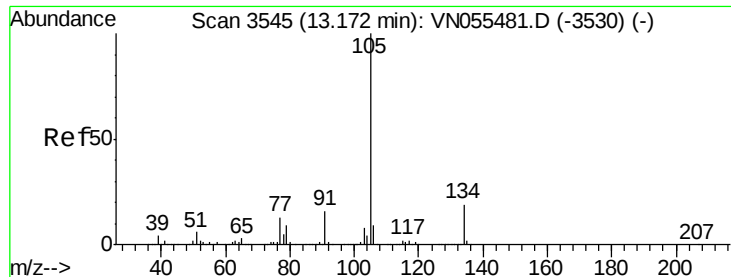
Tot Ion:119 Resp: 1420144
 Ion Ratio Lower Upper
 119 100
 91 67.5 33.8 101.3
 134 25.0 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 50.353 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion:105 Resp: 1632521
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 48.405 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampled :

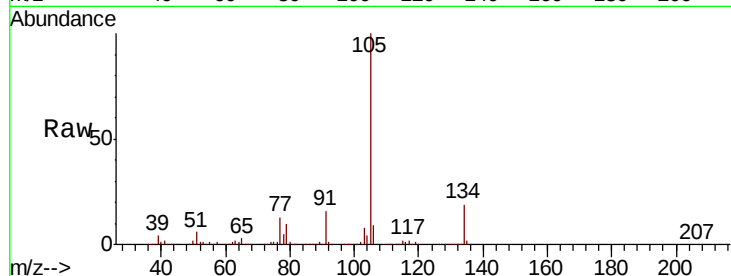
VSTDICCC050

Tot Ion:105 Resp: 1914360

Ion Ratio Lower Upper

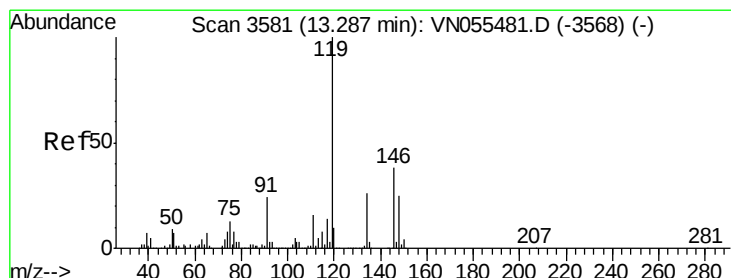
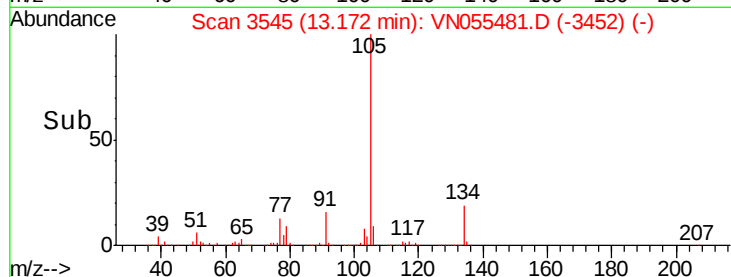
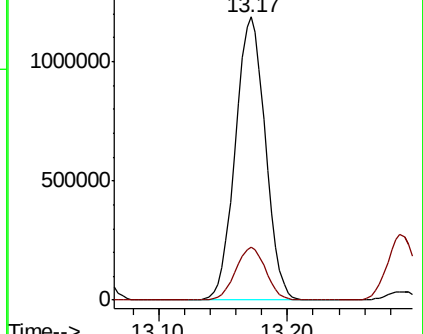
105 100

134 18.7 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.539 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

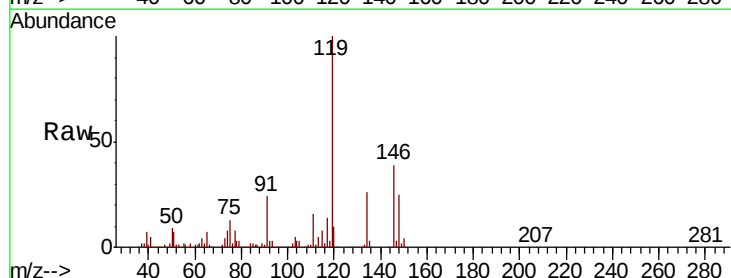
Tgt Ion:119 Resp: 1640435

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

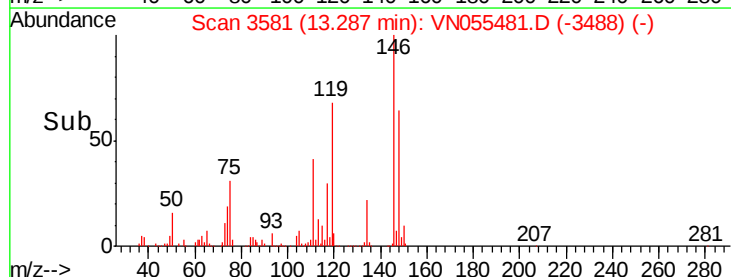
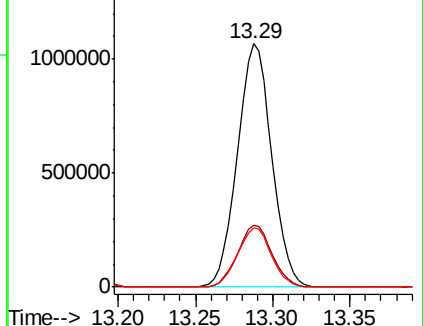
91 24.0 12.0 36.0

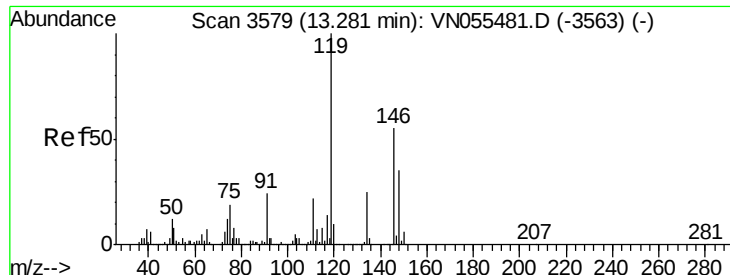


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.813 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

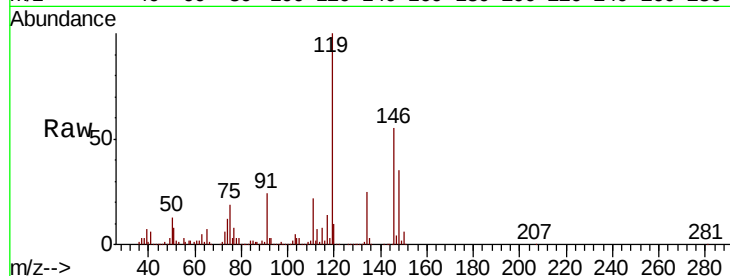
Tot Ion:146 Resp: 769042

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

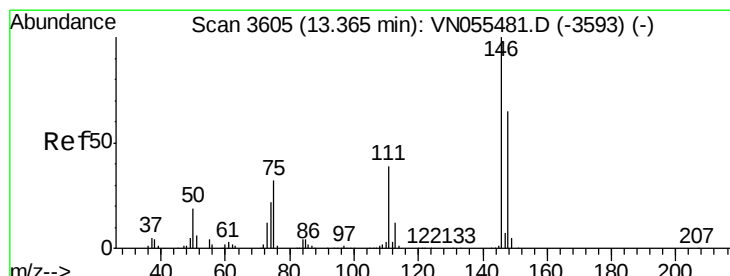
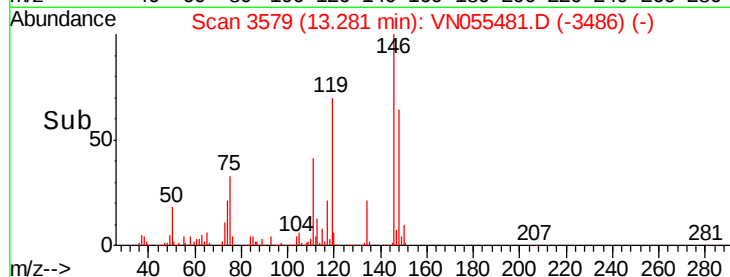
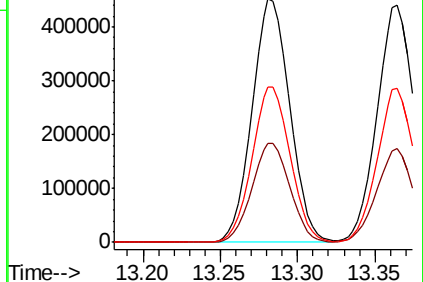
148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.060 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

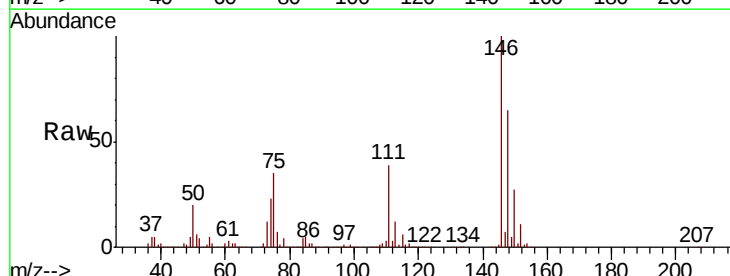
Tgt Ion:146 Resp: 742776

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.8

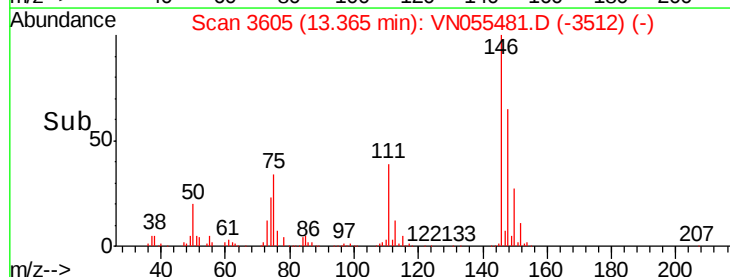
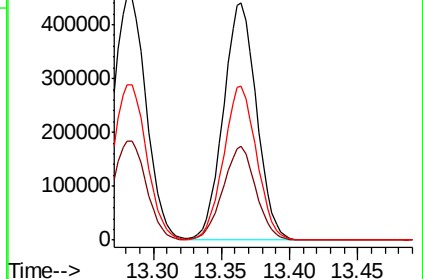
148 64.9 32.5 97.4

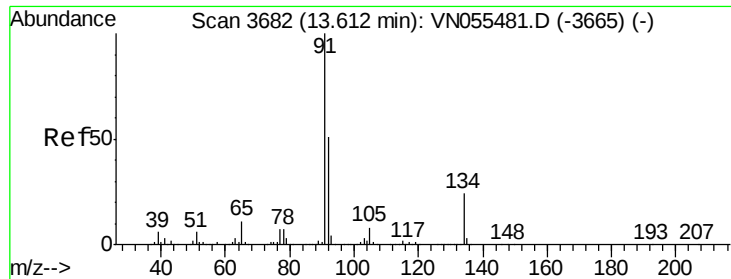


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

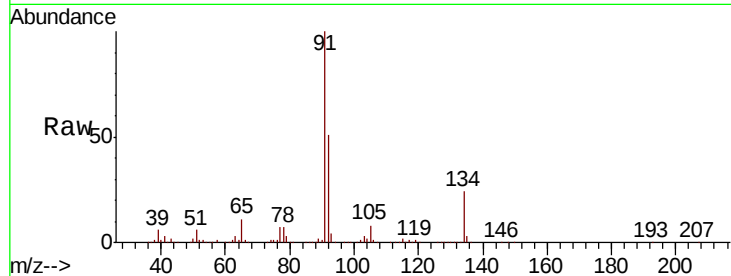




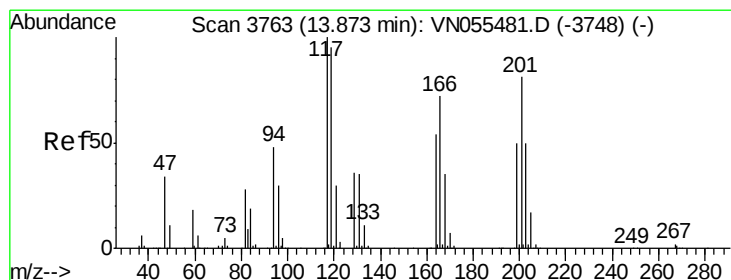
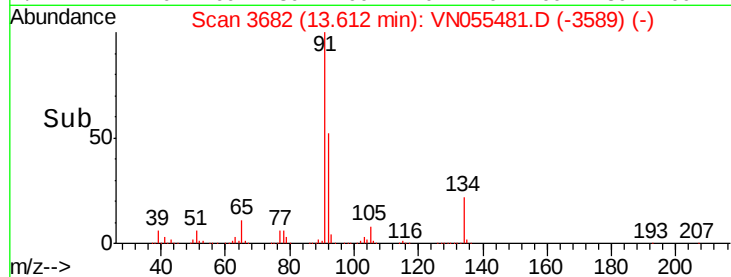
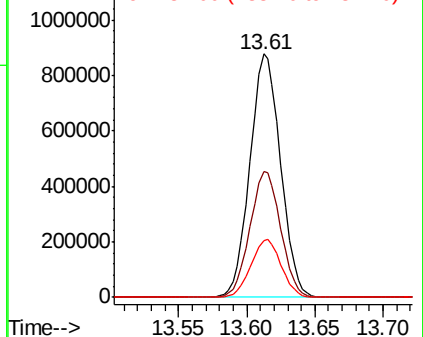
#89
n-Butylbenzene
Concen: 58.513 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1369357
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.7
134 23.6 11.8 35.4

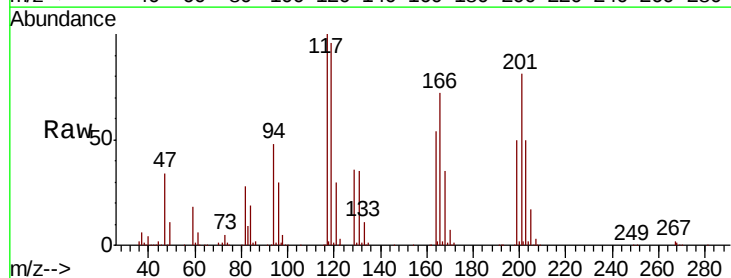


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)
Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)
Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

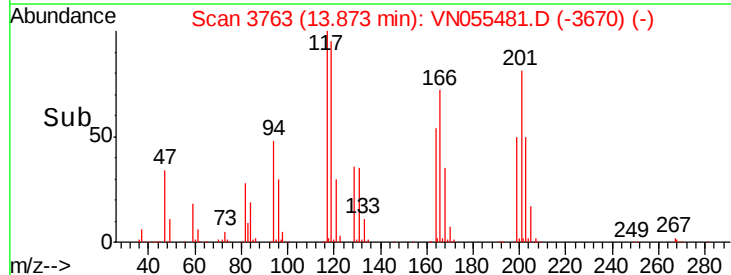
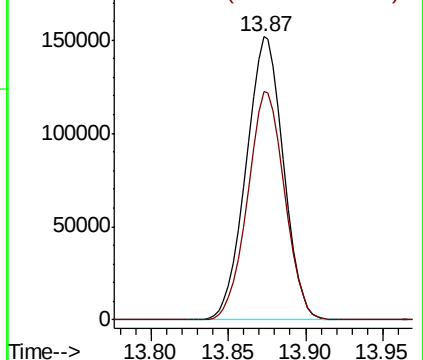


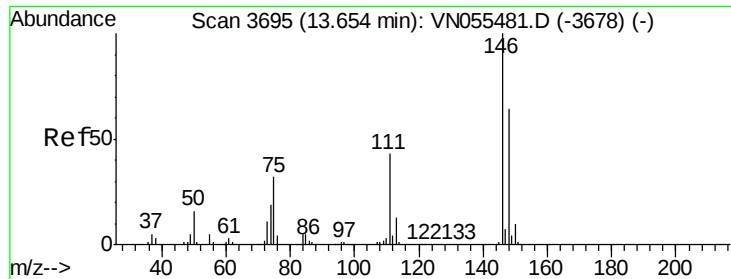
#90
Hexachloroethane
Concen: 42.318 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion: 117 Resp: 255387
Ion Ratio Lower Upper
117 100
201 80.1 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)
Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 49.650 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

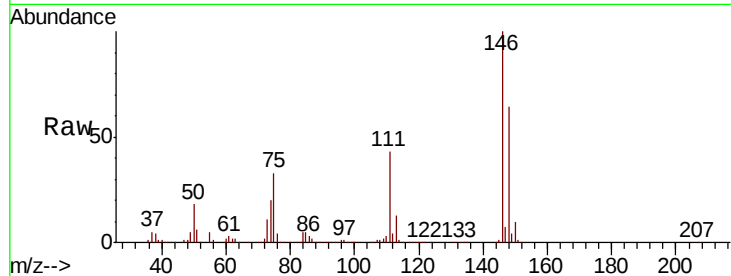
Tot Ion:146 Resp: 760448

Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.7

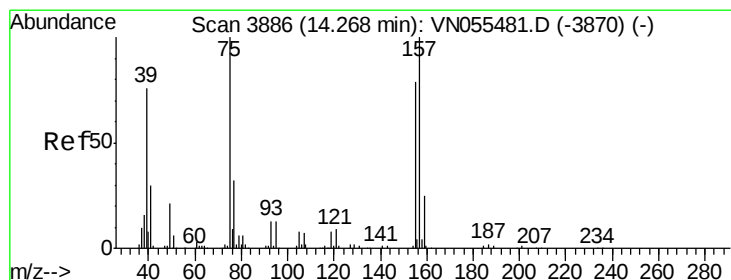
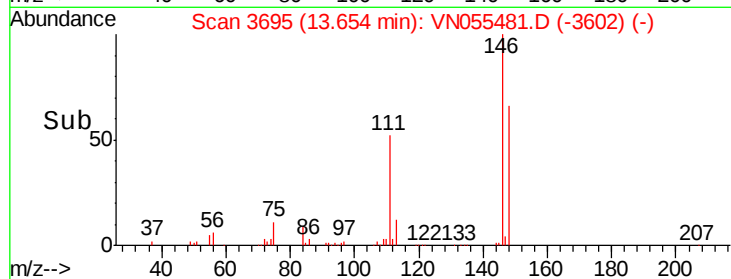
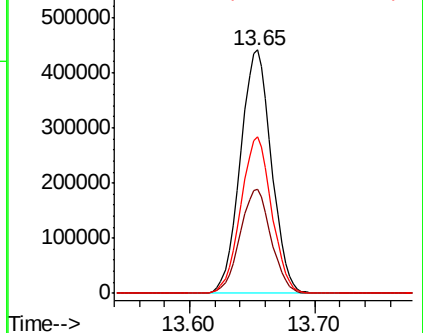
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 78.719 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055481.D

Acq: 8 May 2019 17:49

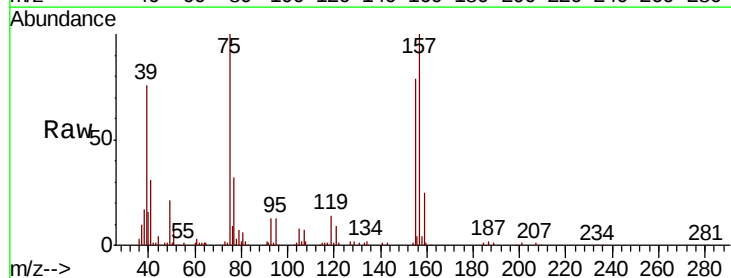
Tgt Ion: 75 Resp: 105476

Ion Ratio Lower Upper

75 100

155 78.5 39.3 117.8

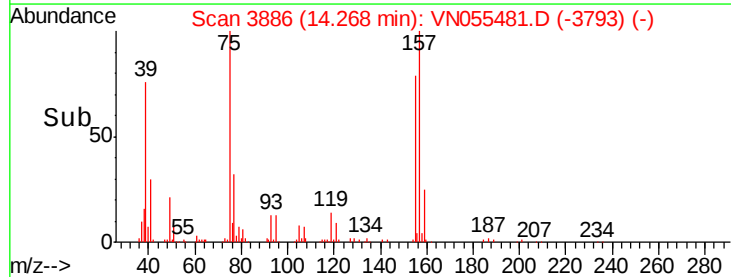
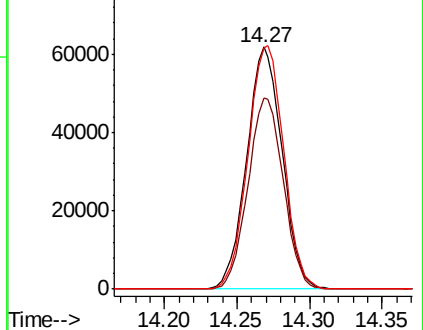
157 101.2 50.6 151.8

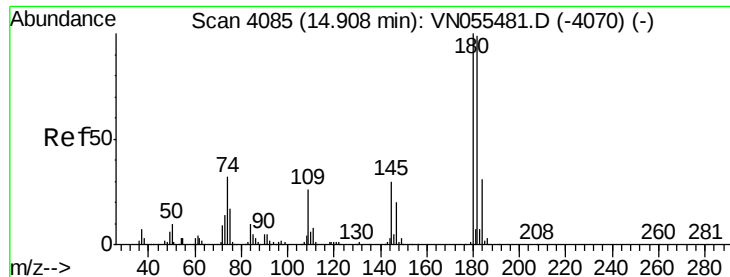


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

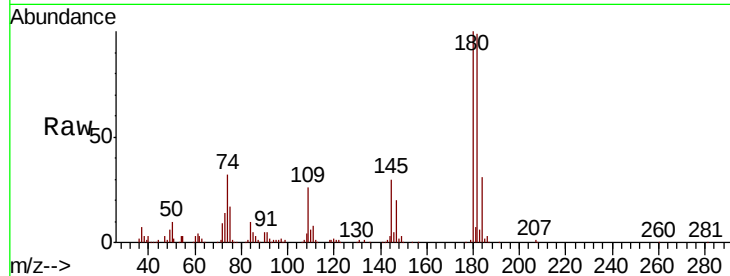




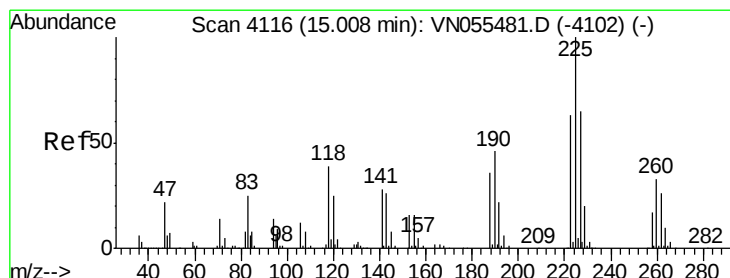
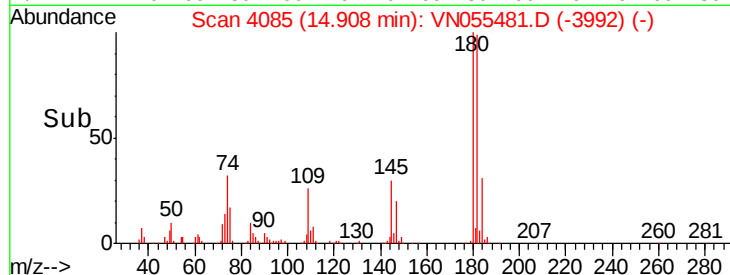
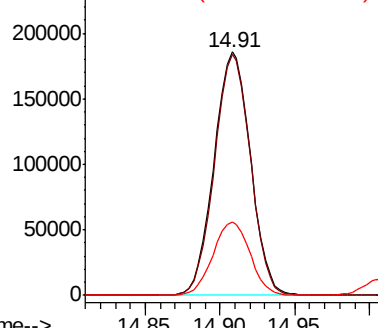
#93
 1,2,4-Trichlorobenzene
 Concen: 64.552 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 315475
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.7 146.1
 145 30.6 15.3 45.9

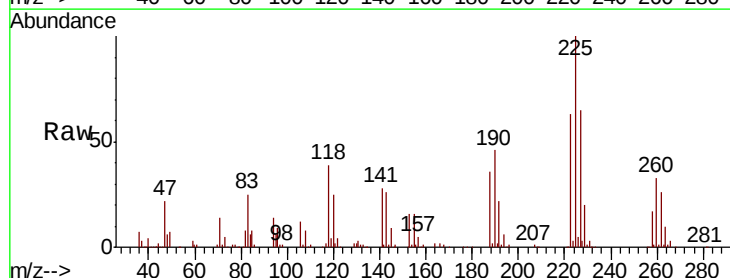


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

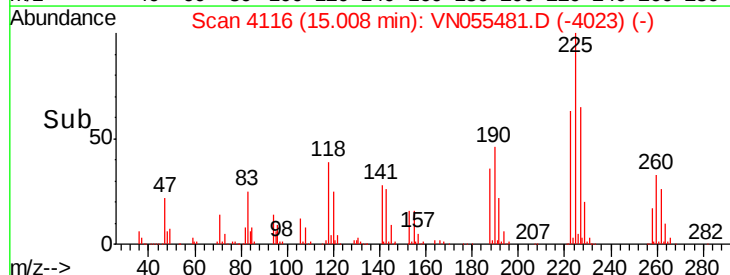
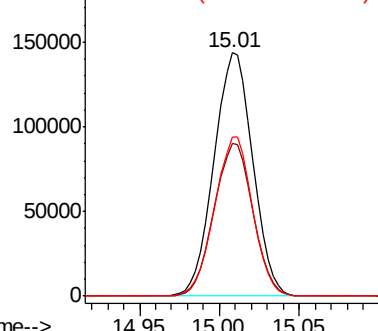


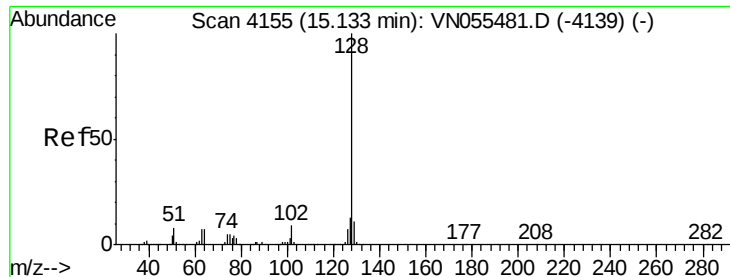
#94
 Hexachlorobutadiene
 Concen: 42.298 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055481.D
 Acq: 8 May 2019 17:49

Tgt Ion:225 Resp: 237674
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.3
 227 64.0 32.0 96.0



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

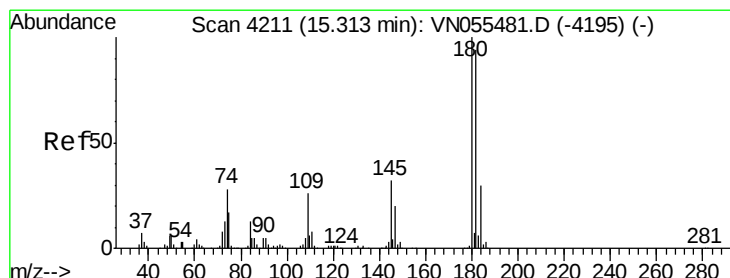
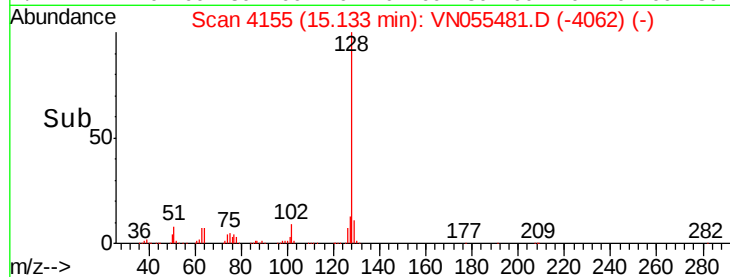
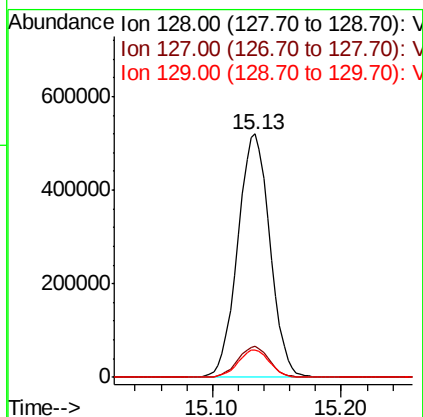
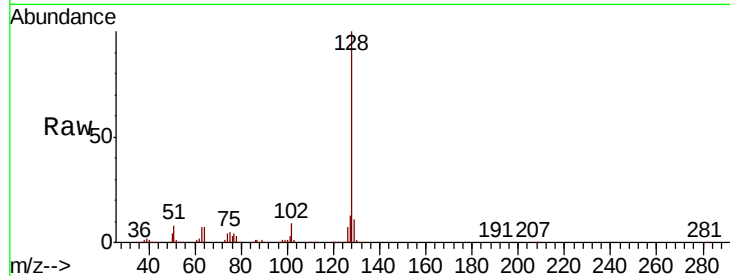




#95
Naphthalene
Concen: 79.530 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 902293
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 69.035 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055481.D
Acq: 8 May 2019 17:49

Tgt Ion:180 Resp: 353663
Ion Ratio Lower Upper
180 100
182 94.2 47.1 141.3
145 31.6 15.8 47.4

