

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055479.D
 Acq On : 8 May 2019 16:59
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: May 09 03:43:27 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	7.67	168	760561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1310854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	404113	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	113622	11.07	ug/l	0.00
Spiked Amount			Recovery	=	22.14%	
35) Dibromofluoromethane	7.59	113	84901	9.84	ug/l	0.00
Spiked Amount			Recovery	=	19.68%	
50) Toluene-d8	10.09	98	327303	10.33	ug/l	0.00
Spiked Amount			Recovery	=	20.66%	
62) 4-Bromofluorobenzene	12.40	95	105121	10.52	ug/l	0.00
Spiked Amount			Recovery	=	21.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	76464	8.576	ug/l	97
3) Chloromethane	2.06	50	127721	10.989	ug/l	96
4) Vinyl Chloride	2.19	62	119796	12.370	ug/l	98
5) Bromomethane	2.55	94	68524	13.208	ug/l	96
6) Chloroethane	2.69	64	69947	13.146	ug/l	96
7) Trichlorofluoromethane	3.01	101	131769	9.971	ug/l	97
8) Diethyl Ether	3.41	74	59783	12.439	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	82490	10.411	ug/l	99
10) Methyl Iodide	3.94	142	109028	9.804	ug/l	98
11) Tert butyl alcohol	4.82	59	83737	104.688	ug/l	98
12) 1,1-Dichloroethene	3.73	96	84150	11.010	ug/l	99
13) Acrolein	3.61	56	49283	85.903	ug/l	95
14) Allyl chloride	4.32	41	169400	10.703	ug/l	99
15) Acrylonitrile	5.00	53	268553	75.728	ug/l	99
16) Acetone	3.82	43	282758	81.542	ug/l	100
17) Carbon Disulfide	4.04	76	219998	10.979	ug/l	98
18) Methyl Acetate	4.33	43	119462	12.463	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	280972	12.699	ug/l	98
20) Methylene Chloride	4.54	84	105977	10.949	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	91130	11.223	ug/l	93
22) Diisopropyl ether	5.96	45	356553	11.276	ug/l	98
23) Vinyl Acetate	5.90	43	1339855	62.639	ug/l	99
24) 1,1-Dichloroethane	5.85	63	191767	11.383	ug/l	99
25) 2-Butanone	6.85	43	378812	83.155	ug/l	99
26) 2,2-Dichloropropane	6.82	77	117917	10.281	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	106698	11.494	ug/l	99
28) Bromochloromethane	7.20	49	91781	10.685	ug/l	100
29) Tetrahydrofuran	7.22	42	246808	84.568	ug/l	99
30) Chloroform	7.37	83	177482	11.154	ug/l	99
31) Cyclohexane	7.65	56	186910	11.568	ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	133383	10.420	ug/l	99
36) 1,1-Dichloropropene	7.79	75	129933	10.188	ug/l	99
37) Ethyl Acetate	6.94	43	153014	14.554	ug/l	96
38) Carbon Tetrachloride	7.77	117	102822	8.597	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	155119	11.289	ug/l	97
40) Benzene	8.04	78	407755	10.819	ug/l	100
41) Methacrylonitrile	7.18	41	65483	12.055	ug/l	92
42) 1,2-Dichloroethane	8.13	62	142819	10.747	ug/l	99
43) Isopropyl Acetate	8.17	43	211988	12.759	ug/l	97
44) Trichloroethene	8.84	130	98402	10.368	ug/l	96
45) 1,2-Dichloropropane	9.12	63	115368	10.652	ug/l	97
46) Dibromomethane	9.21	93	68878	11.497	ug/l	98
47) Bromodichloromethane	9.40	83	127246	10.095	ug/l	93
48) Methyl methacrylate	9.20	41	104154	12.826	ug/l	98
49) 1,4-Dioxane	9.20	88	40740	403.891	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	706897	72.904	ug/l	99
52) Toluene	10.16	92	225817	10.432	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	115473	10.380	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	143556	10.424	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	94357	11.596	ug/l	99
56) Ethyl methacrylate	10.43	69	136334	13.097	ug/l	99
57) 1,3-Dichloropropane	10.71	76	169561	11.833	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	174744	61.865	ug/l	99
59) 2-Hexanone	10.75	43	503304	80.522	ug/l	99
60) Dibromochloromethane	10.90	129	82791	10.177	ug/l	99
61) 1,2-Dibromoethane	11.01	107	89650	11.806	ug/l	99
64) Tetrachloroethene	10.63	164	93697	10.283	ug/l	98
65) Chlorobenzene	11.43	112	234903	10.706	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	79033	9.373	ug/l	95
67) Ethyl Benzene	11.51	91	429989	10.804	ug/l	100
68) m/p-Xylenes	11.62	106	312254	21.929	ug/l	99
69) o-Xylene	11.95	106	153507	10.874	ug/l	100
70) Styrene	11.96	104	247926	11.378	ug/l	99
71) Bromoform	12.13	173	52772	10.963	ug/l #	98
73) Isopropylbenzene	12.25	105	413015	10.179	ug/l	98
74) N-amyl acetate	12.07	43	153696	13.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	132237	12.313	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	156672	16.233	ug/l #	100
77) Bromobenzene	12.53	156	92355	10.063	ug/l	97
78) n-propylbenzene	12.59	91	446348	10.626	ug/l	99
79) 2-Chlorotoluene	12.67	91	281018	10.461	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	330481	10.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30031	12.981	ug/l	90
82) 4-Chlorotoluene	12.77	91	259869	10.602	ug/l	99
83) tert-Butylbenzene	12.99	119	286934	10.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	305417	10.639	ug/l	100
85) sec-Butylbenzene	13.17	105	379524	10.838	ug/l	100
86) p-Isopropyltoluene	13.29	119	306676	10.671	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141097	10.322	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	133881	10.394	ug/l	96
89) n-Butylbenzene	13.61	91	224506	10.834	ug/l	99
90) Hexachloroethane	13.87	117	49652	9.292	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	137642	10.149	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18320	15.442	ug/l	97

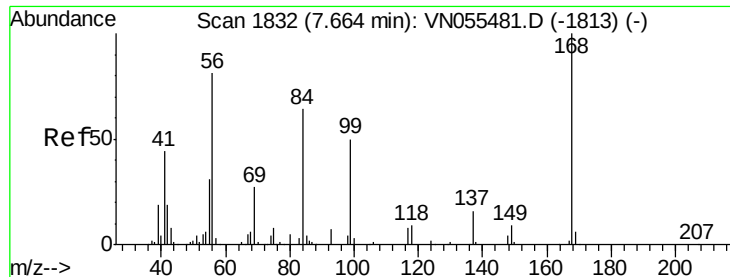
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	39938	9.229	ug/l	99
94) Hexachlorobutadiene	15.01	225	48943	9.837	ug/l	98
95) Naphthalene	15.13	128	117752	11.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	48494	10.691	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

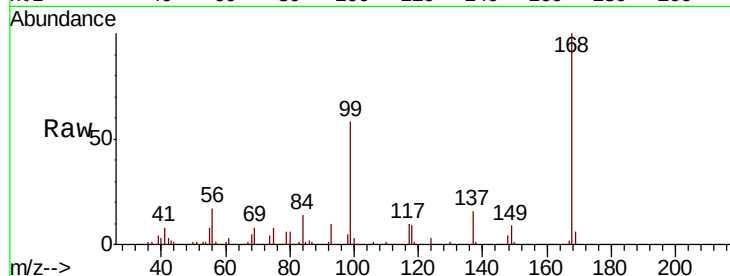
VSTDIC010

Tot Ion:168 Resp: 760561

Ion Ratio Lower Upper

168 100

99 57.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

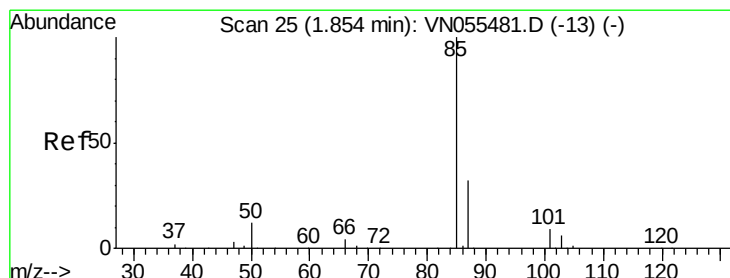
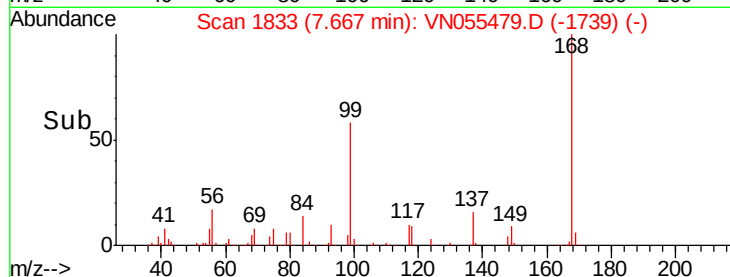
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 8.576 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055479.D

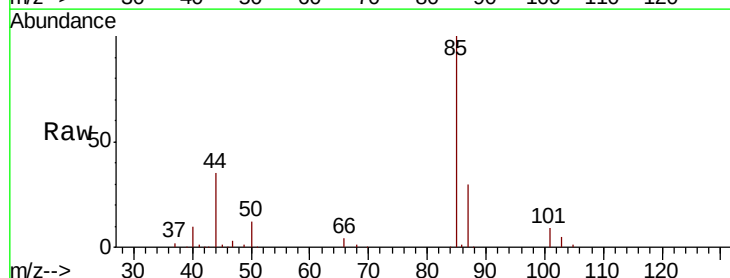
Acq: 8 May 2019 16:59

Tgt Ion: 85 Resp: 76464

Ion Ratio Lower Upper

85 100

87 30.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

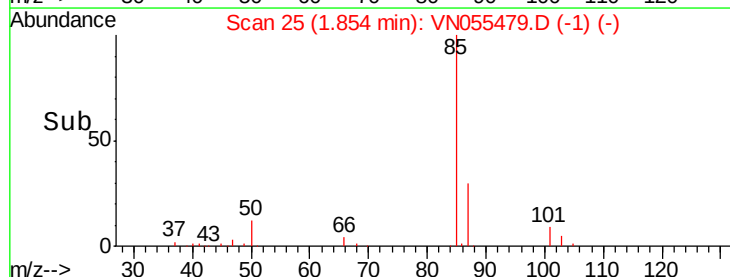
30000

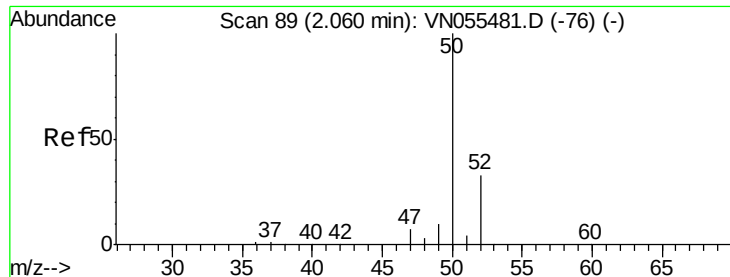
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 10.989 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

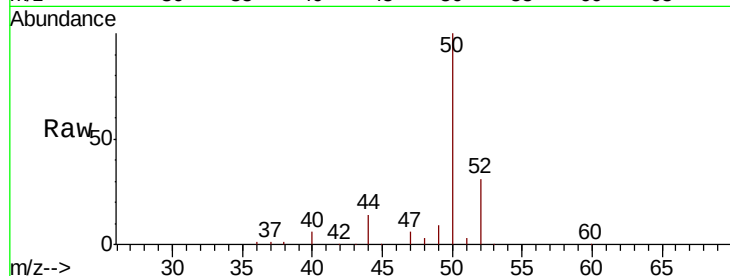
VSTDIC010

Tot Ion: 50 Resp: 127721

Ion Ratio Lower Upper

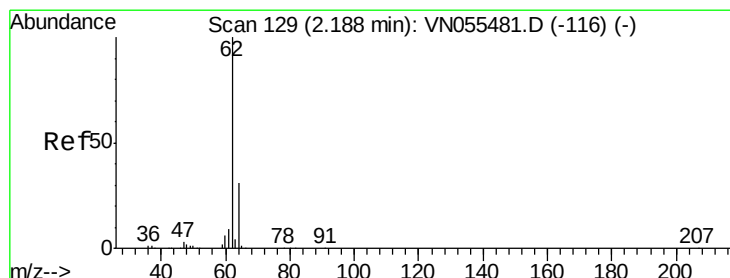
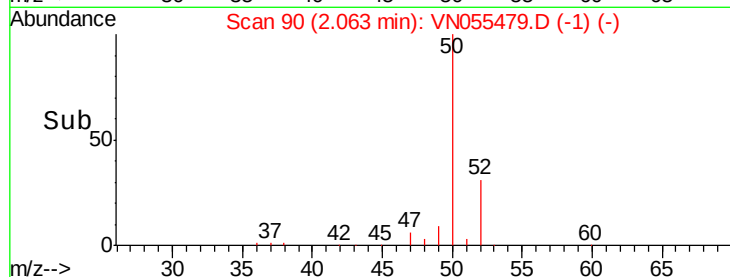
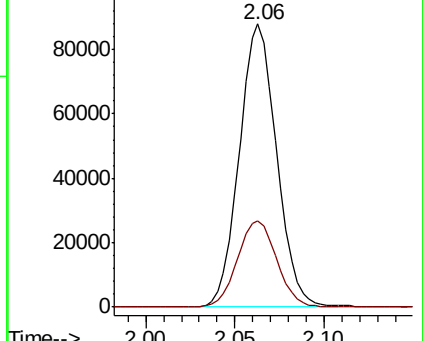
50 100

52 30.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN055479.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055479.D (-1) (-)



#4

Vinyl Chloride

Concen: 12.370 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055479.D

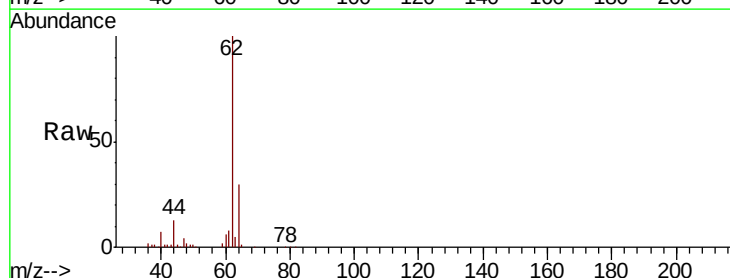
Acq: 8 May 2019 16:59

Tgt Ion: 62 Resp: 119796

Ion Ratio Lower Upper

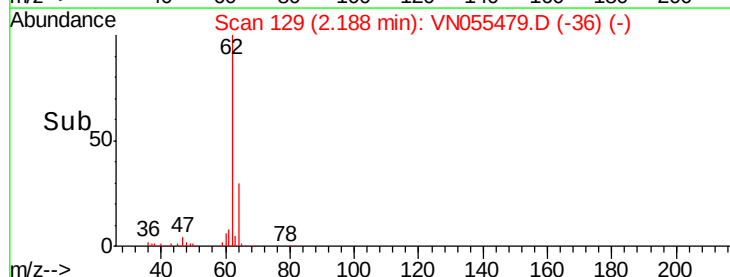
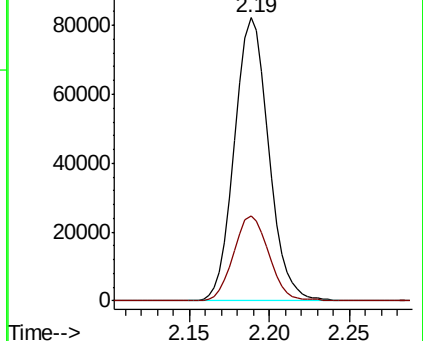
62 100

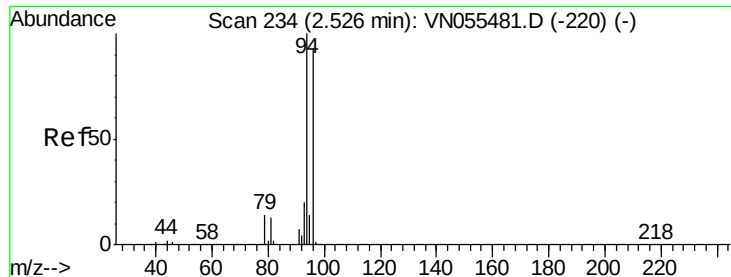
64 30.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN055479.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN055479.D (-36) (-)





#5

Bromomethane

Concen: 13.208 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

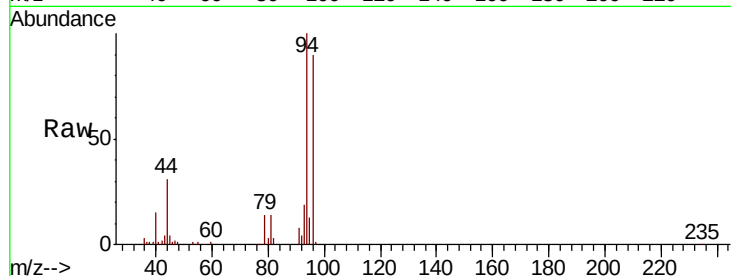
VSTDIC010

Tot Ion: 94 Resp: 68524

Ion Ratio Lower Upper

94 100

96 89.3 74.8 112.2

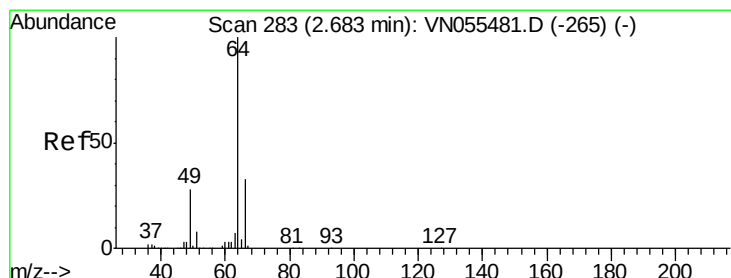
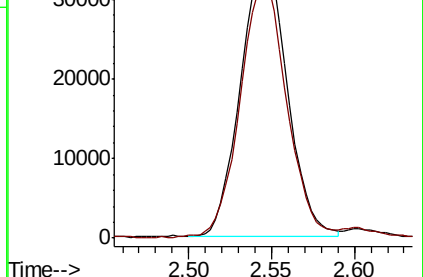
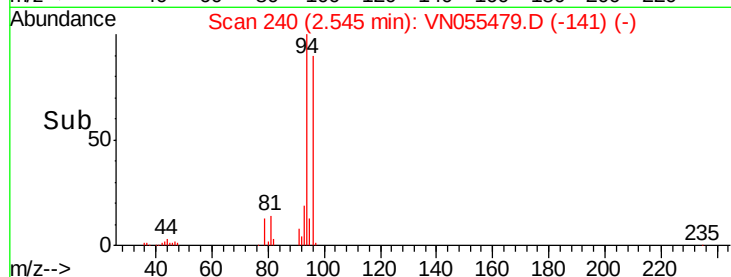


Abundance Ion 93.90 (93.60 to 94.60): VN055481.D (-220) (-)

Ion 95.90 (95.60 to 96.60): VN055481.D (-220) (-)

2.55

Time-->



#6

Chloroethane

Concen: 13.146 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055479.D

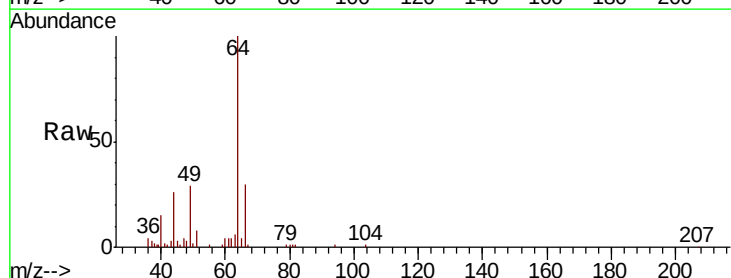
Acq: 8 May 2019 16:59

Tgt Ion: 64 Resp: 69947

Ion Ratio Lower Upper

64 100

66 30.4 26.2 39.2

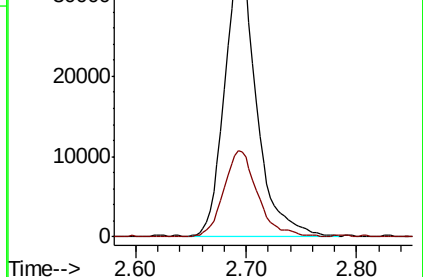
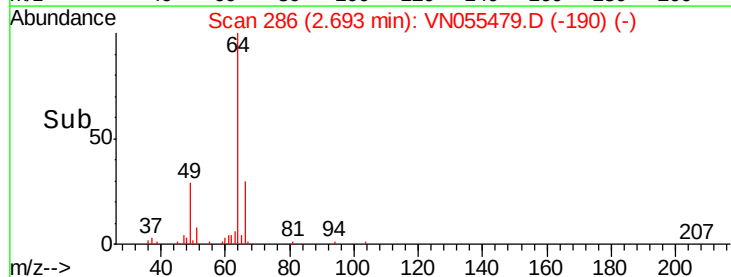


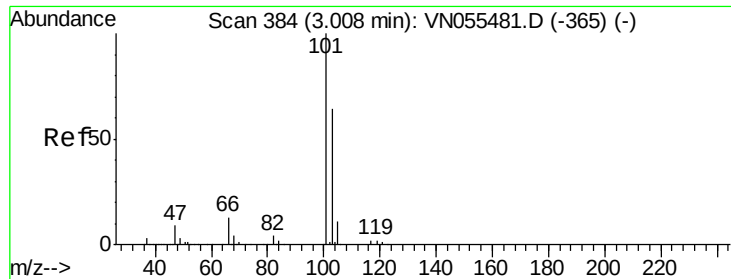
Abundance Ion 63.90 (63.60 to 64.60): VN055481.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN055481.D (-265) (-)

2.69

Time-->



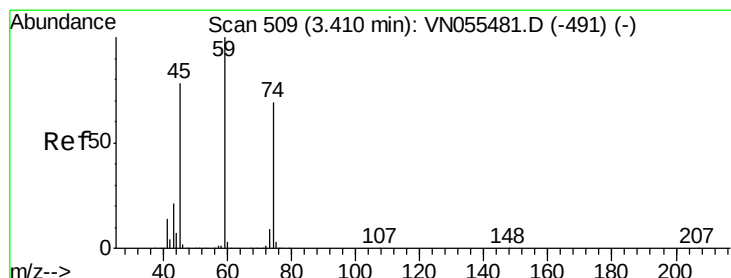
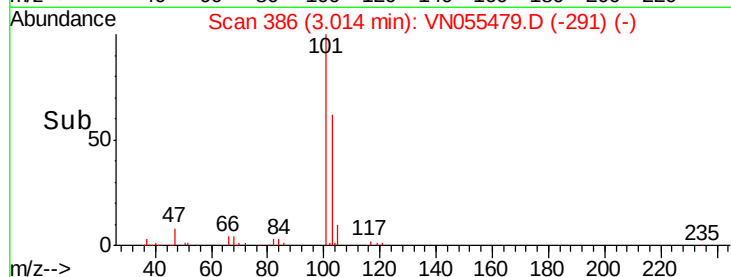
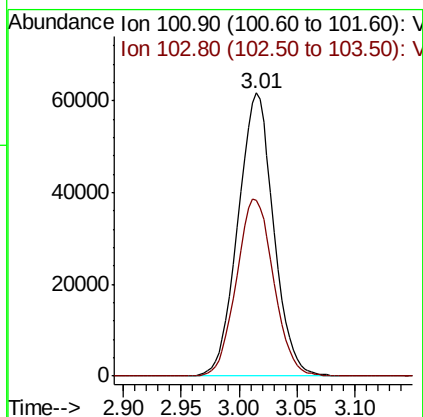
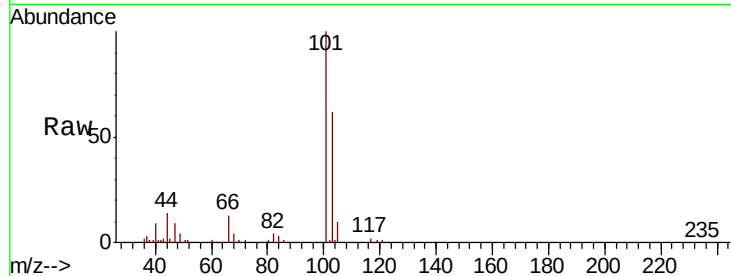


#7

Trichlorofluoromethane
Concen: 9.971 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
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VSTDIC010

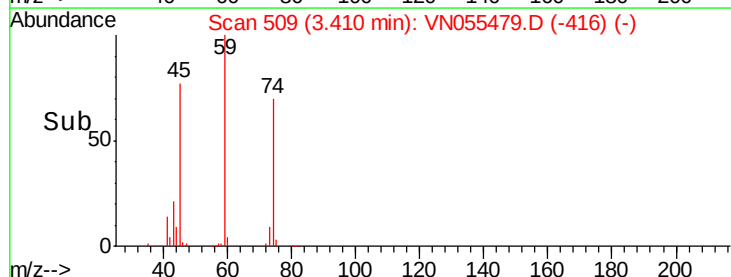
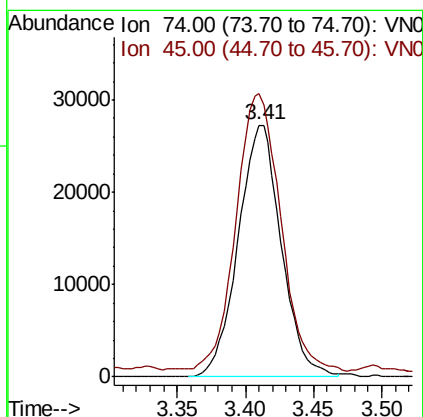
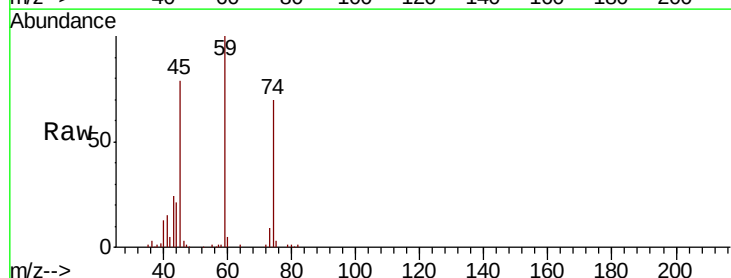
Tot Ion:101 Resp: 131769
Ion Ratio Lower Upper
101 100
103 62.0 51.2 76.8

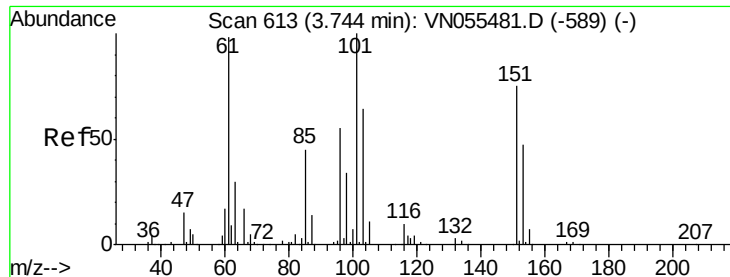


#8

Diethyl Ether
Concen: 12.439 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 74 Resp: 59783
Ion Ratio Lower Upper
74 100
45 114.2 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.411 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

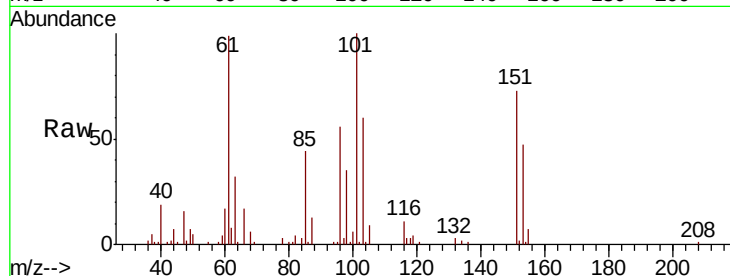
Tot Ion:101 Resp: 82490

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

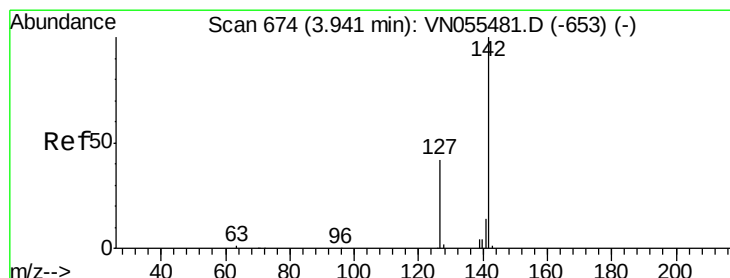
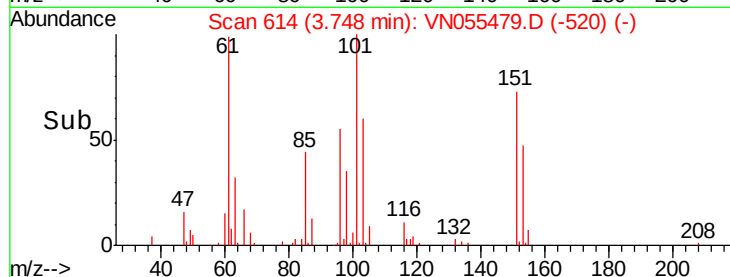
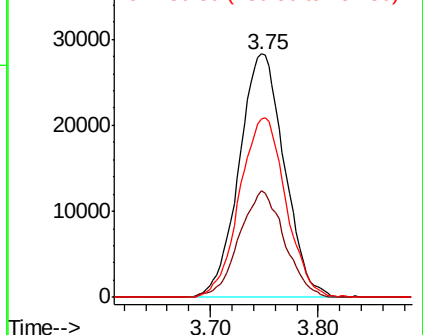
151 75.3 59.2 88.8



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: 9.804 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

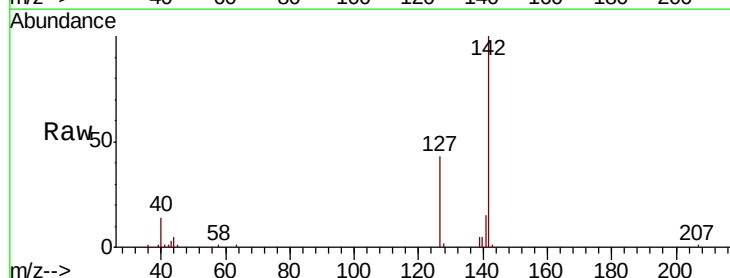
Tgt Ion:142 Resp: 109028

Ion Ratio Lower Upper

142 100

127 42.6 33.0 49.4

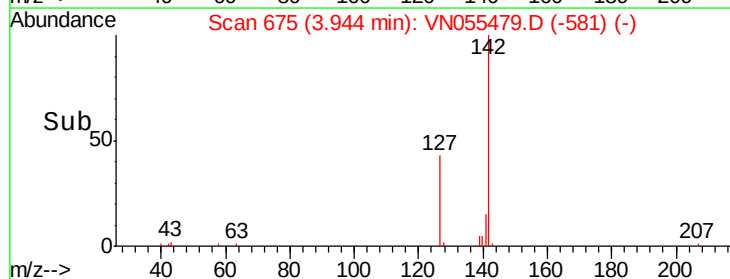
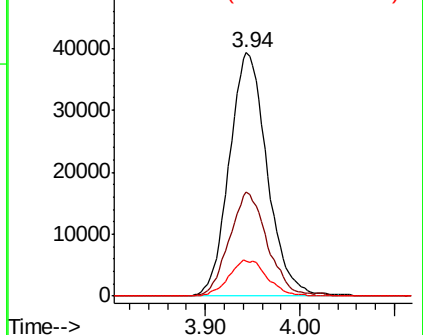
141 14.9 11.4 17.0

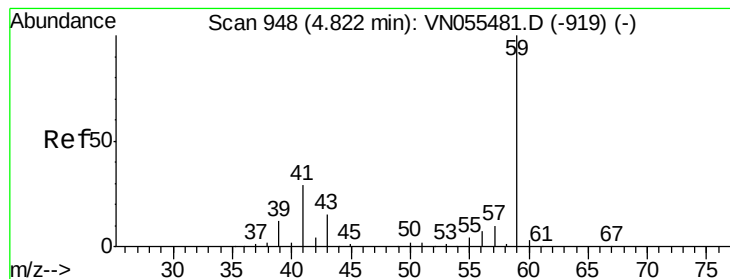


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



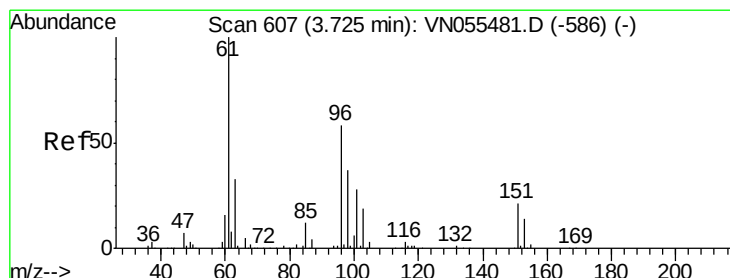
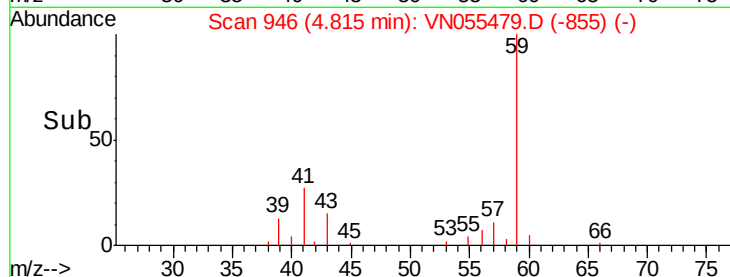
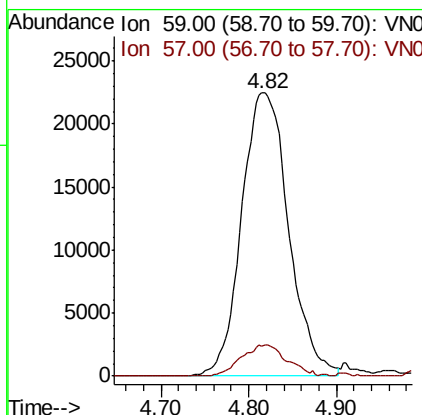
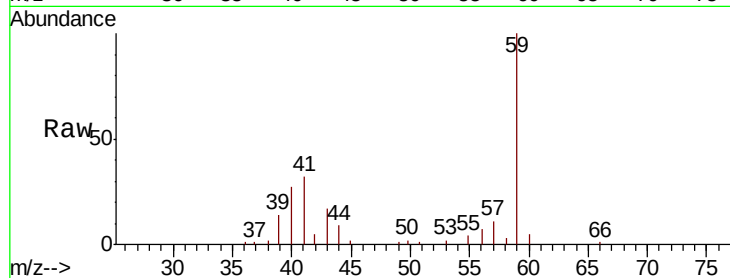


#11

Tert butyl alcohol
 Concen: 104.688 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

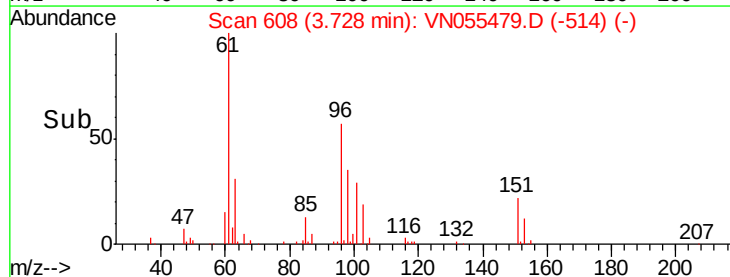
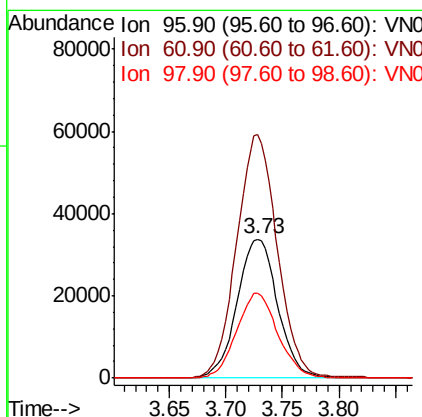
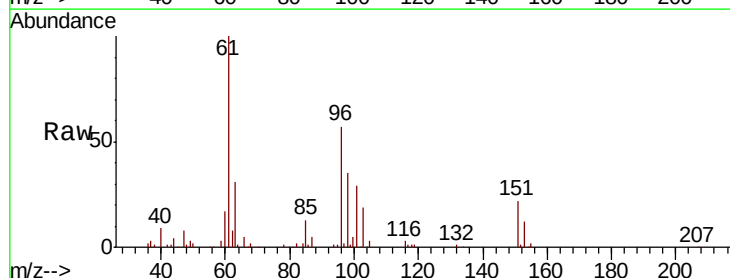
Tot Ion: 59 Resp: 83737
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.0 12.0

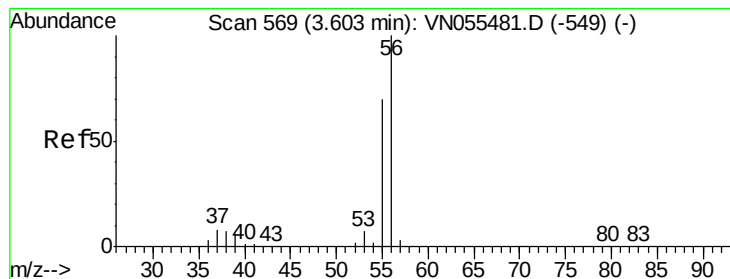


#12

1,1-Dichloroethene
 Concen: 11.010 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 96 Resp: 84150
 Ion Ratio Lower Upper
 96 100
 61 174.9 138.7 208.1
 98 61.3 50.6 76.0





#13

Acrolein

Concen: 85.903 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

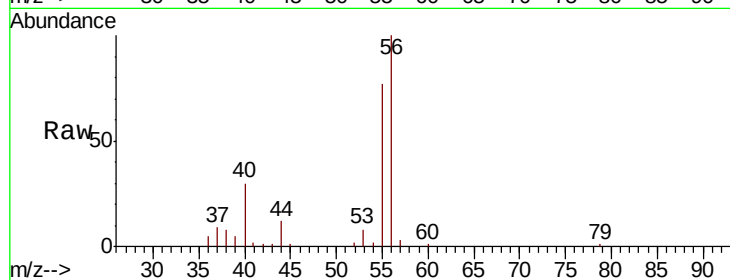
VSTDIC010

Tot Ion: 56 Resp: 49283

Ion Ratio Lower Upper

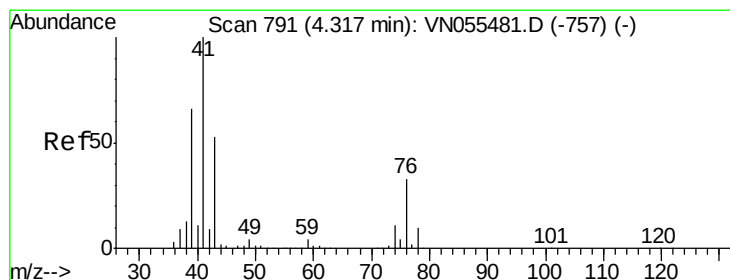
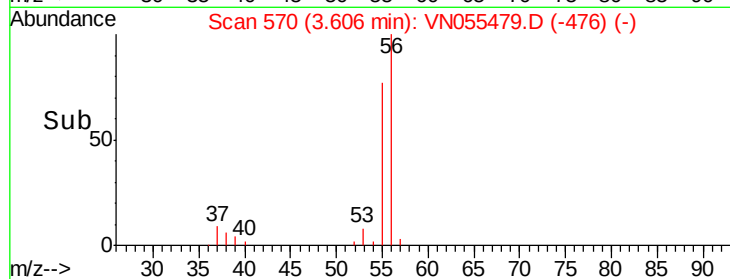
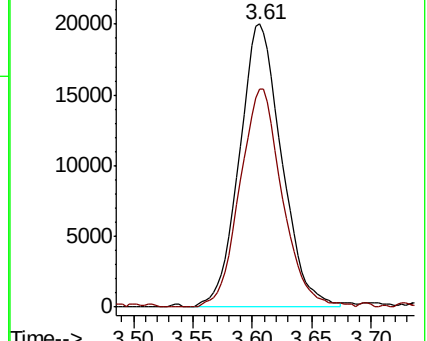
56 100

55 76.6 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 10.703 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

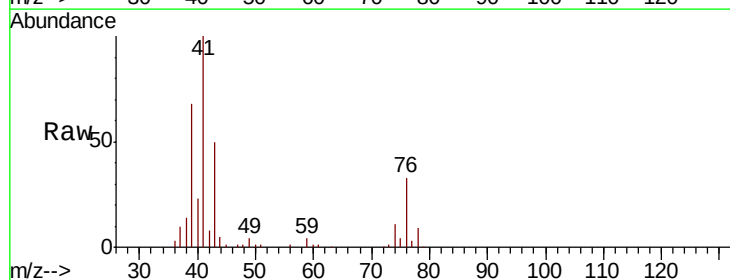
Tgt Ion: 41 Resp: 169400

Ion Ratio Lower Upper

41 100

39 62.8 49.8 74.8

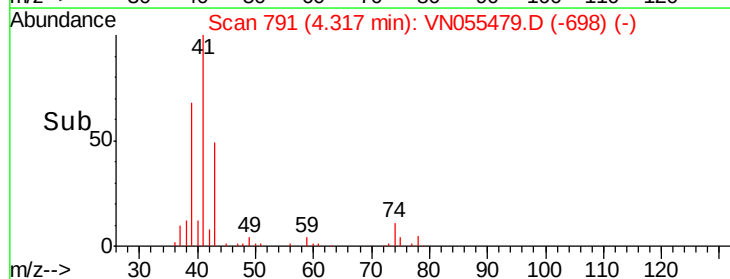
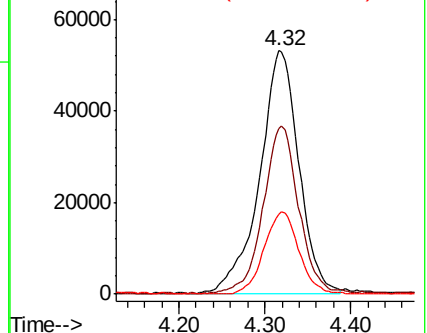
76 30.0 23.5 35.3

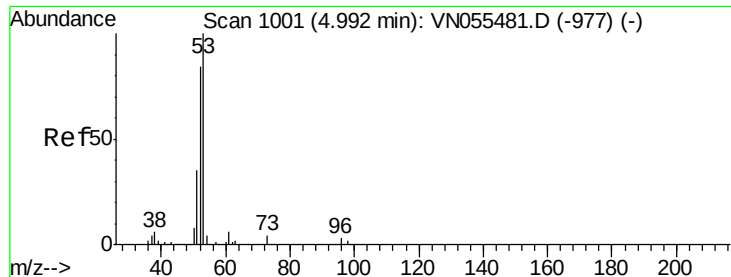


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 75.728 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

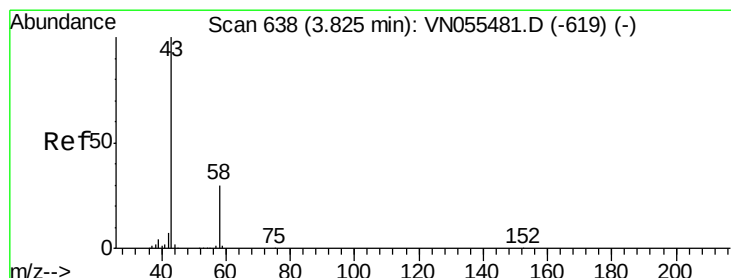
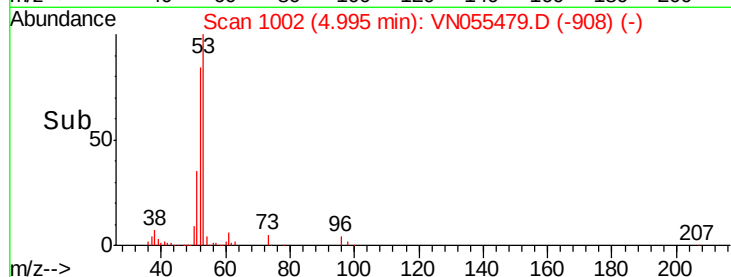
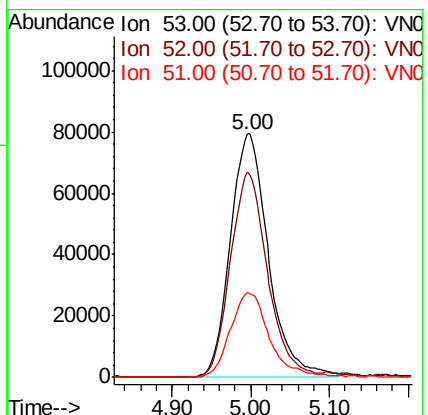
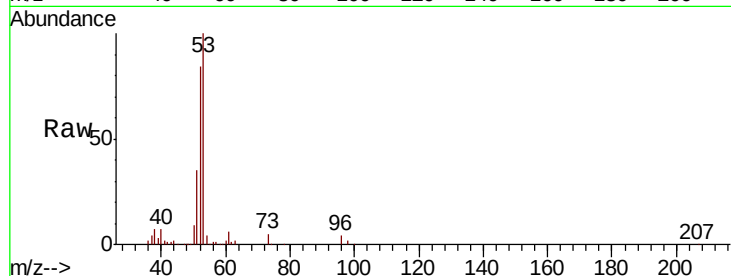
Tot Ion: 53 Resp: 268553

Ion Ratio Lower Upper

53 100

52 81.9 66.1 99.1

51 35.4 28.3 42.5



#16

Acetone

Concen: 81.542 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055479.D

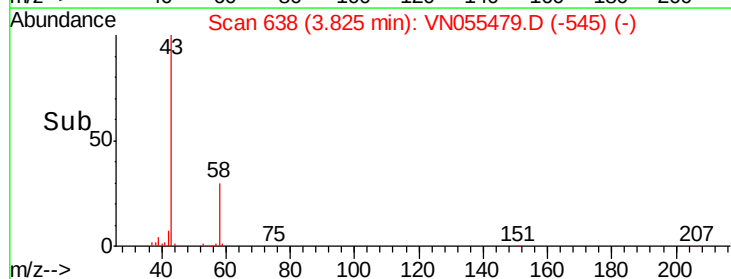
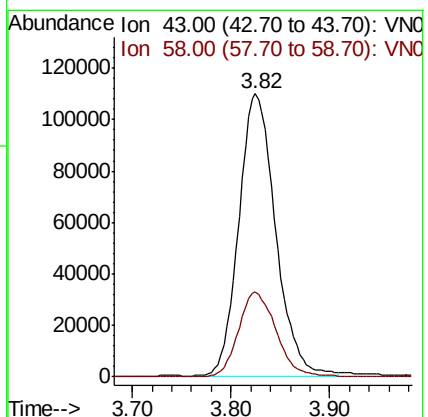
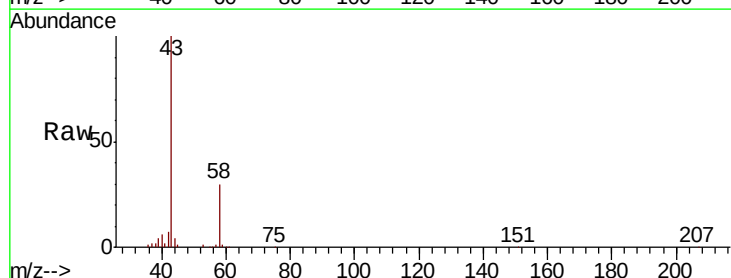
Acq: 8 May 2019 16:59

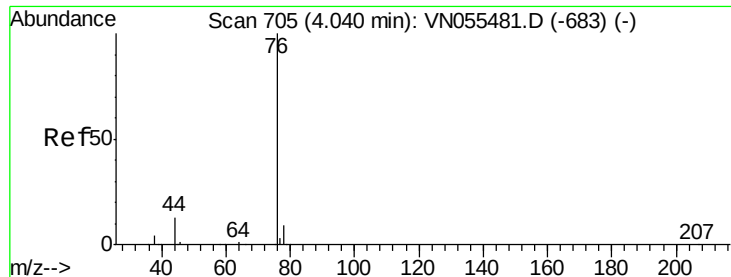
Tgt Ion: 43 Resp: 282758

Ion Ratio Lower Upper

43 100

58 30.2 24.2 36.2





#17

Carbon Disulfide

Concen: 10.979 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

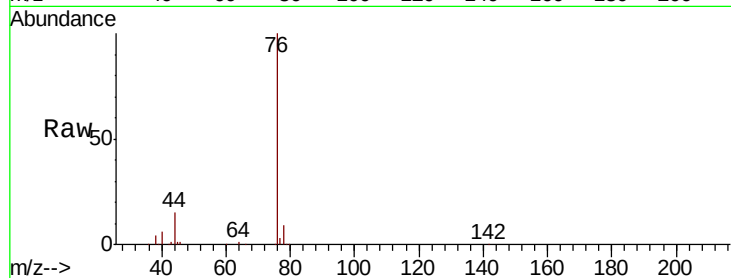
VSTDIC010

Tot Ion: 76 Resp: 219998

Ion Ratio Lower Upper

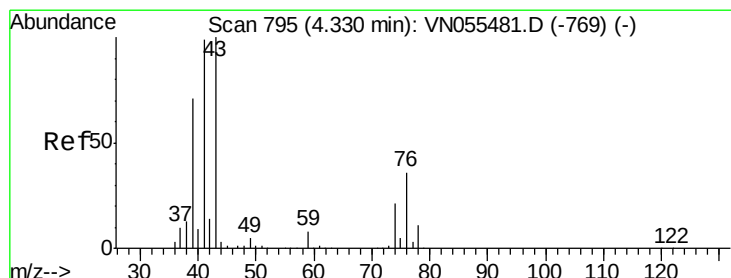
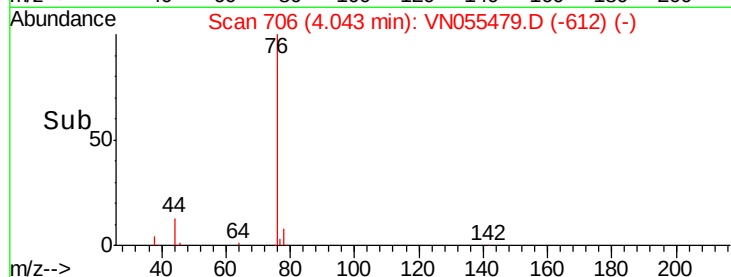
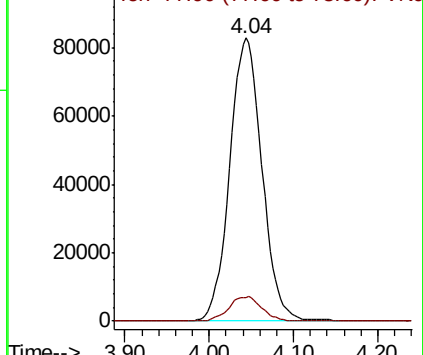
76 100

78 8.5 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: 12.463 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055479.D

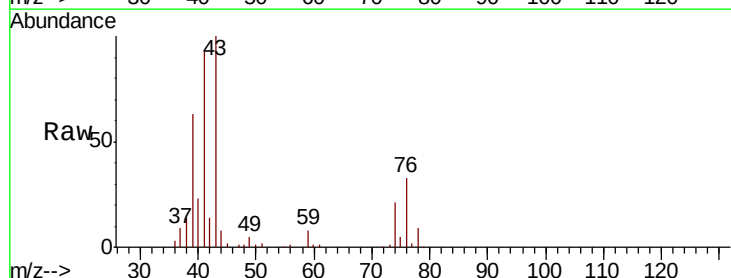
Acq: 8 May 2019 16:59

Tgt Ion: 43 Resp: 119462

Ion Ratio Lower Upper

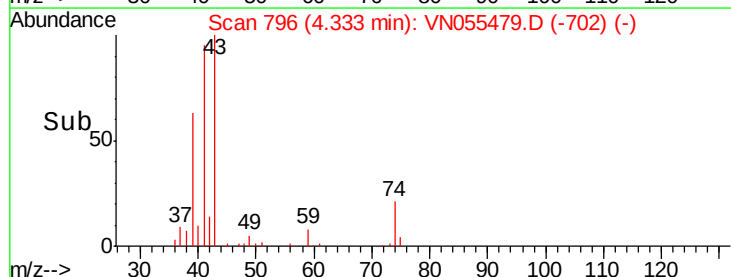
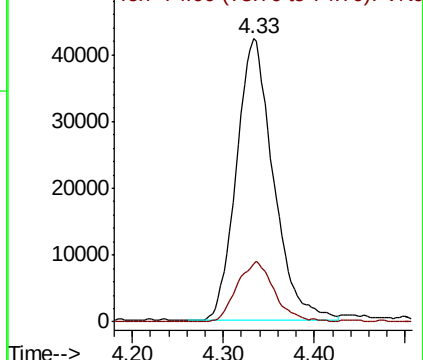
43 100

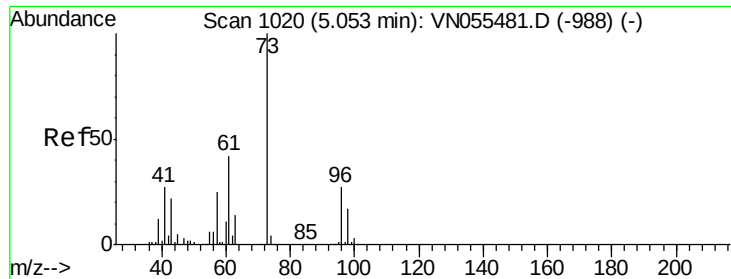
74 21.4 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



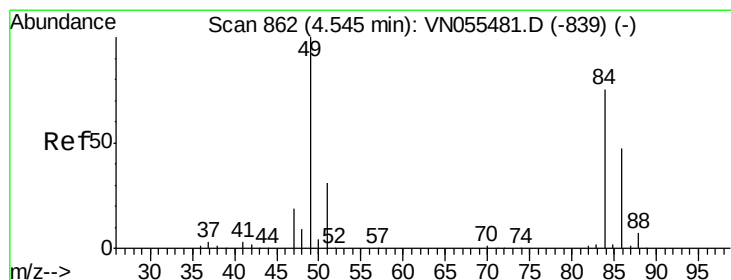
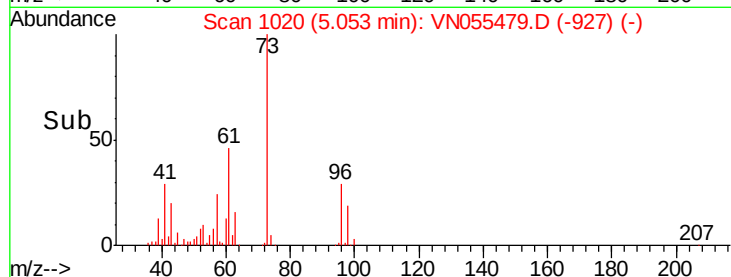
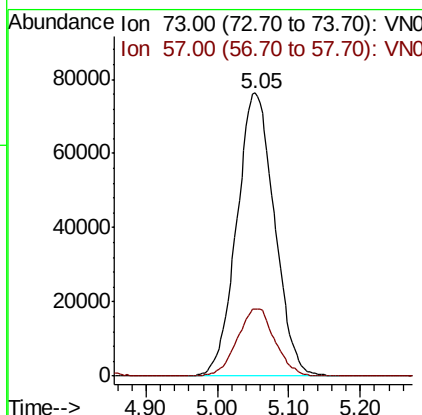
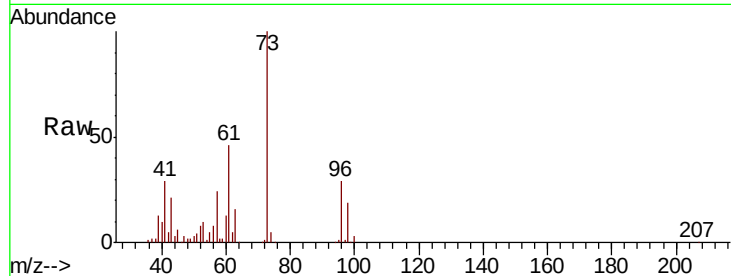


#19

Methvl tert-butyl Ether
 Concen: 12.699 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

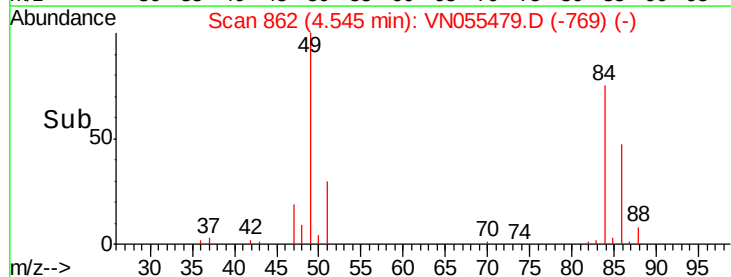
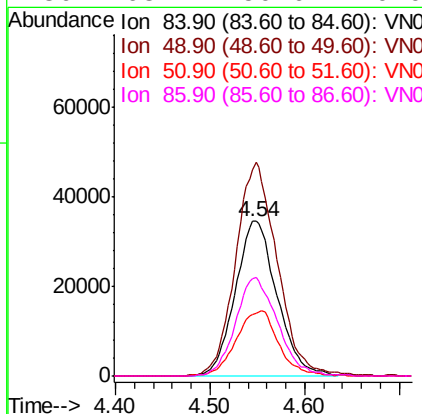
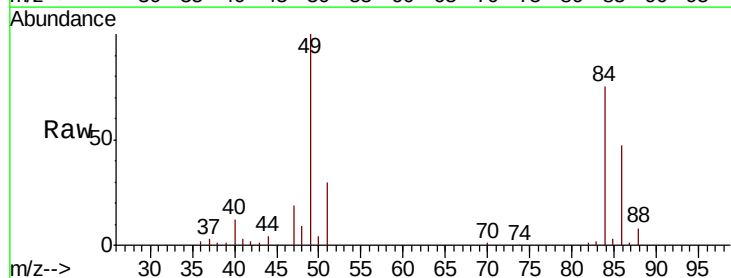
Tot Ion: 73 Resp: 280972
 Ion Ratio Lower Upper
 73 100
 57 23.9 20.0 30.0

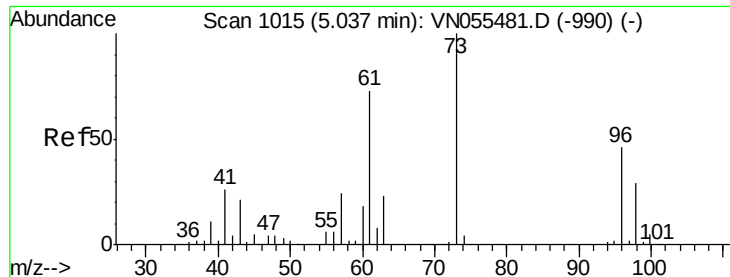


#20

Methylene Chloride
 Concen: 10.949 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 84 Resp: 105977
 Ion Ratio Lower Upper
 84 100
 49 133.3 107.0 160.6
 51 39.9 33.0 49.4
 86 63.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 11.223 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

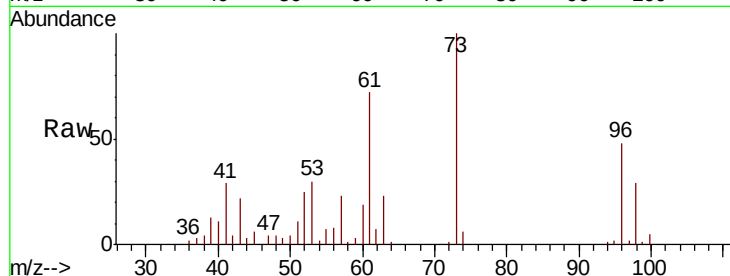
Tot Ion: 96 Resp: 91130

Ion Ratio Lower Upper

96 100

61 149.3 127.4 191.0

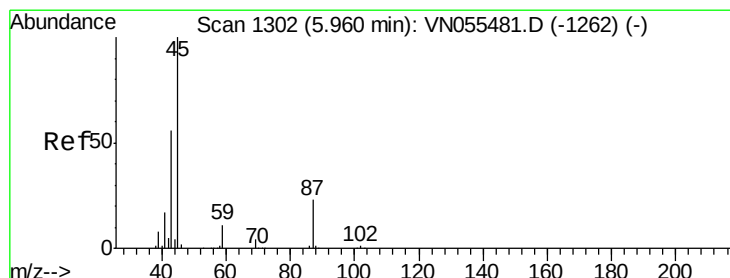
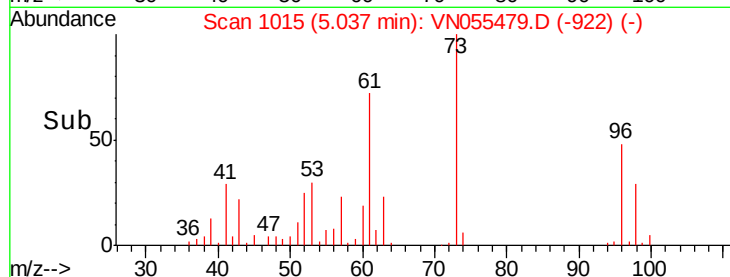
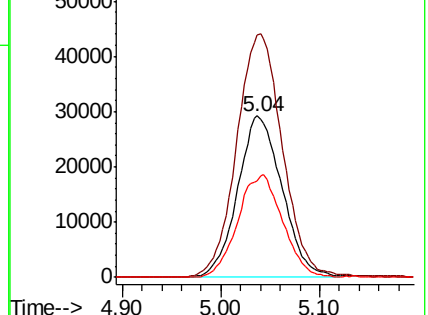
98 60.0 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN055479.D (-1209) (-)

Ion 60.90 (60.60 to 61.60): VN055479.D (-1209) (-)

Ion 97.90 (97.60 to 98.60): VN055479.D (-1209) (-)



#22

Diisopropyl ether

Concen: 11.276 ug/l

RT: 5.96 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion: 45 Resp: 356553

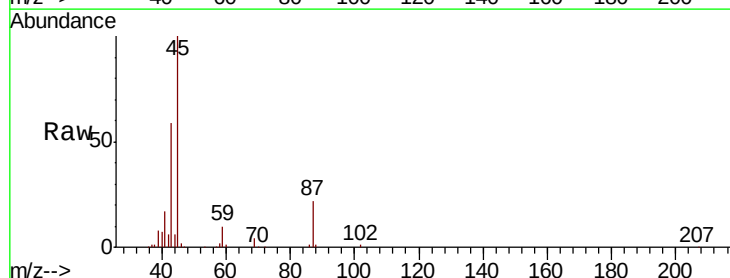
Ion Ratio Lower Upper

45 100

43 57.4 44.6 66.8

87 22.2 18.6 28.0

59 9.6 8.6 12.8

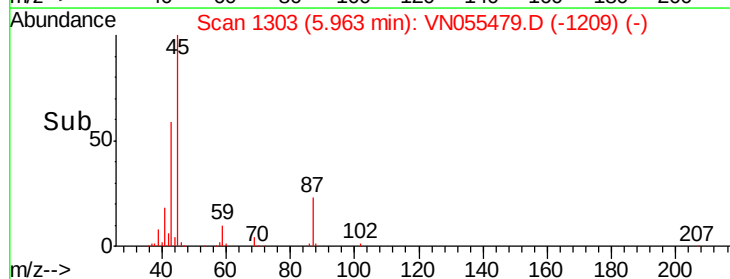
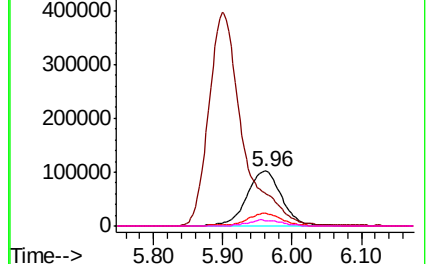


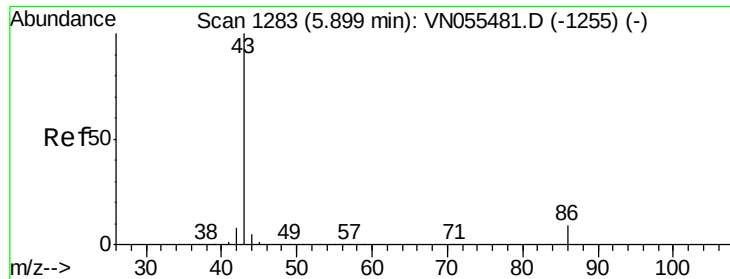
Abundance Ion 45.00 (44.70 to 45.70): VN055479.D (-1209) (-)

Ion 43.00 (42.70 to 43.70): VN055479.D (-1209) (-)

Ion 87.00 (86.70 to 87.70): VN055479.D (-1209) (-)

Ion 59.00 (58.70 to 59.70): VN055479.D (-1209) (-)





#23

Vinyl Acetate

Concen: 62.639 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

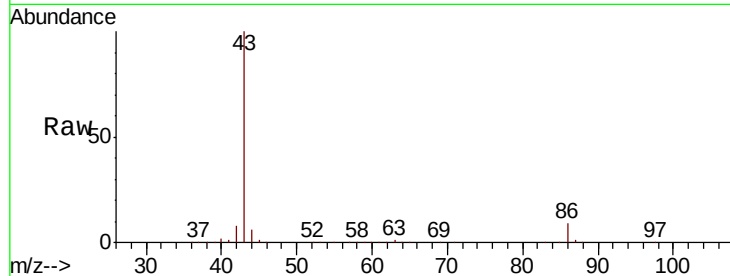
VSTDIC010

Tot Ion: 43 Resp: 1339855

Ion Ratio Lower Upper

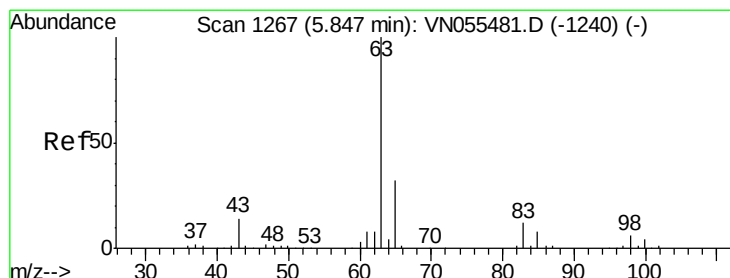
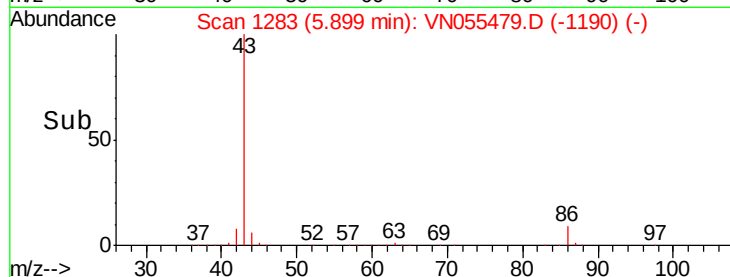
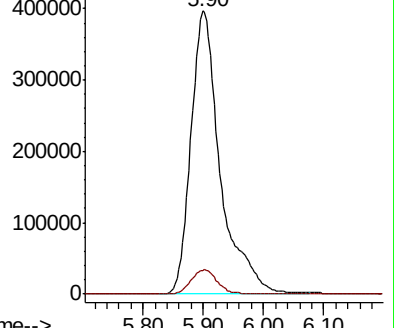
43 100

86 8.5 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055481.D (-1255) (-)



#24

1,1-Dichloroethane

Concen: 11.383 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

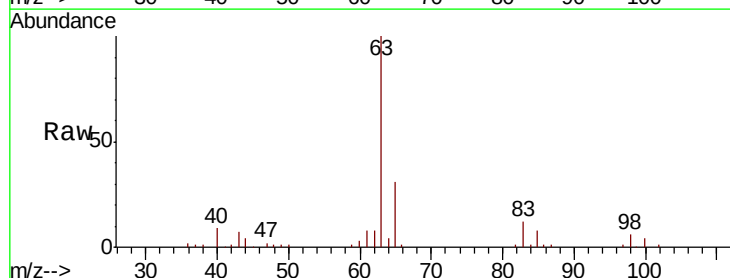
Tgt Ion: 63 Resp: 191767

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

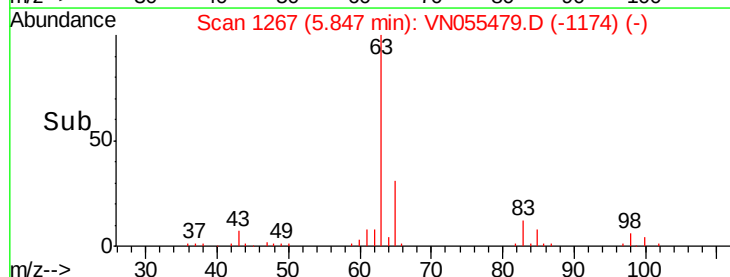
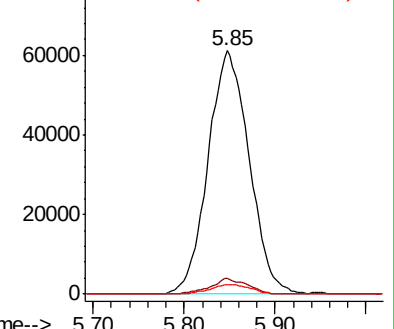
100 3.9 1.9 5.7

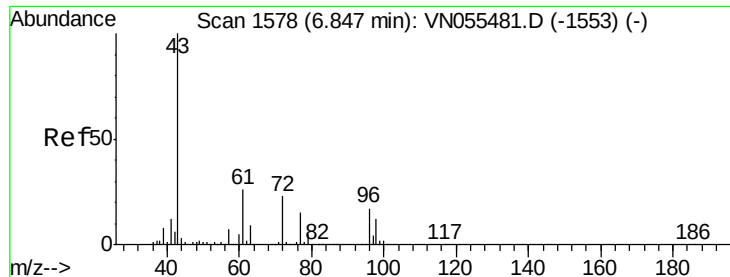


Abundance Ion 62.90 (62.60 to 63.60): VN055481.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN055481.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN055481.D (-1240) (-)

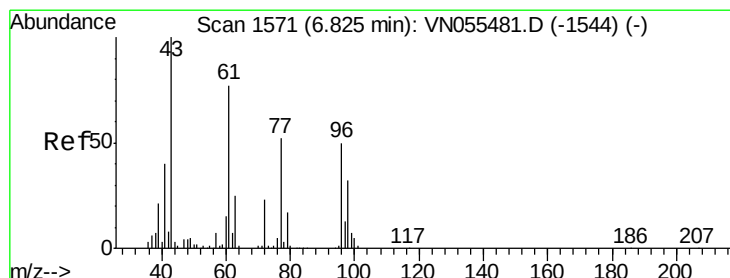
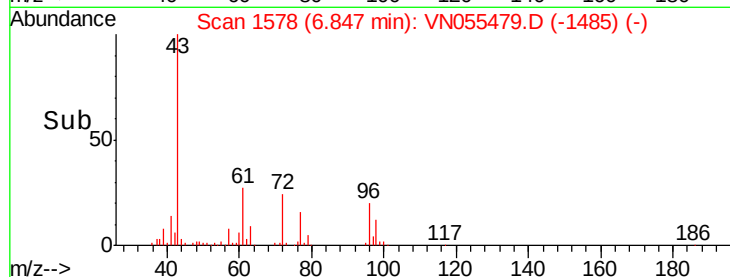
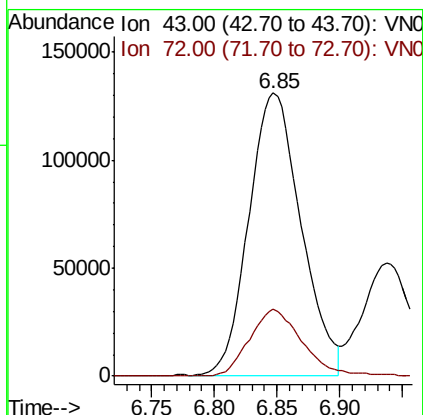
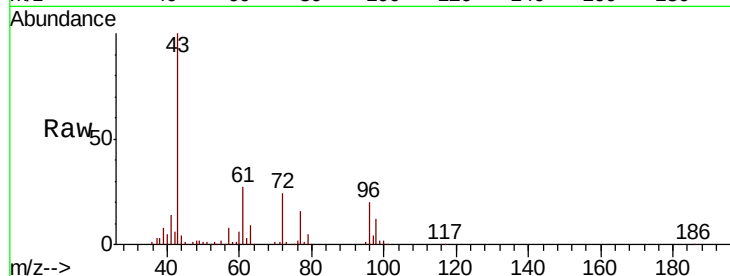




#25
 2-Butanone
 Concen: 83.155 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

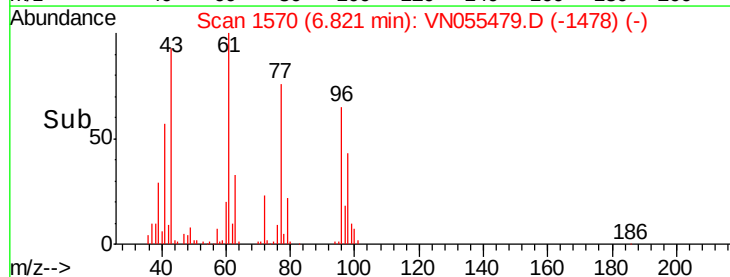
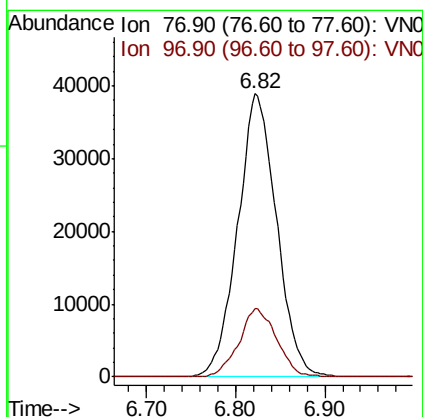
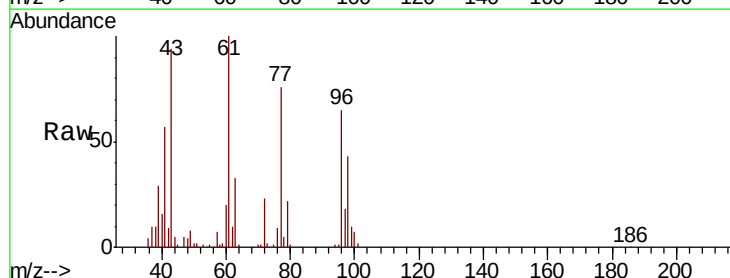
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

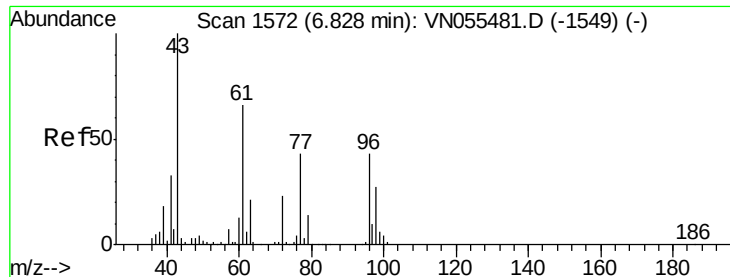
Tot Ion: 43 Resp: 378812
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.6 27.8



#26
 2,2-Dichloropropane
 Concen: 10.281 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 77 Resp: 117917
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 11.494 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

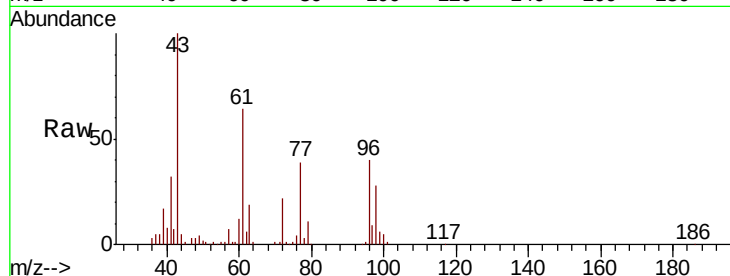
Tot Ion: 96 Resp: 106698

Ion Ratio Lower Upper

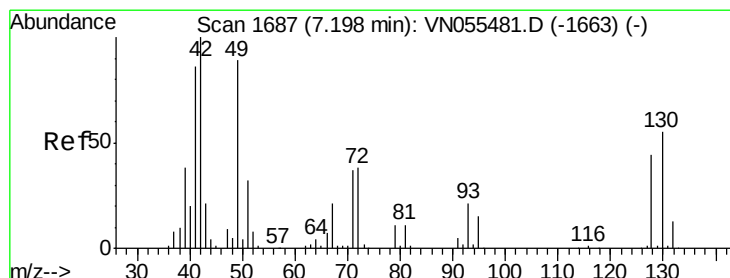
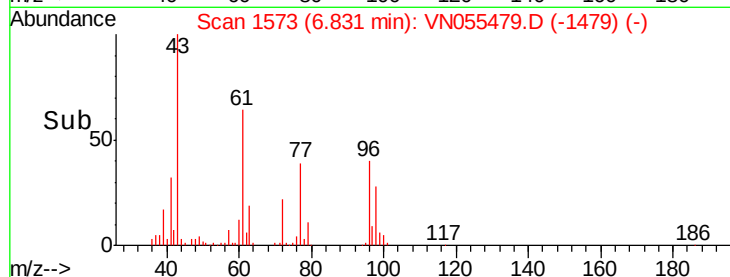
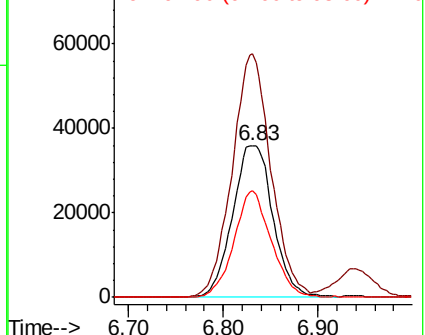
96 100

61 153.9 0.0 310.8

98 64.8 0.0 129.4



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



#28

Bromochloromethane

Concen: 10.685 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

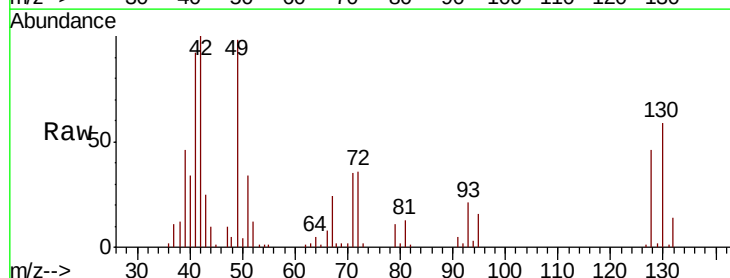
Tgt Ion: 49 Resp: 91781

Ion Ratio Lower Upper

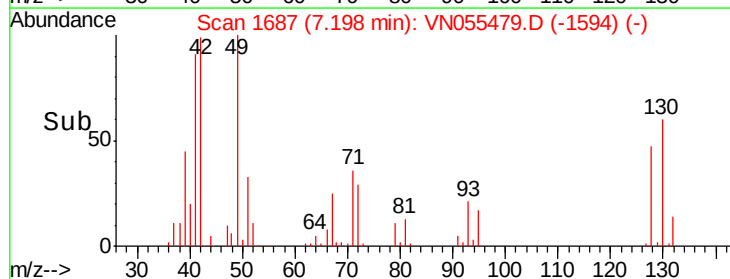
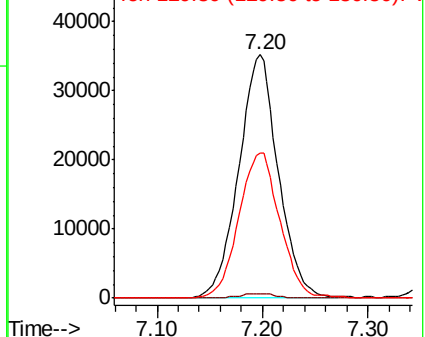
49 100

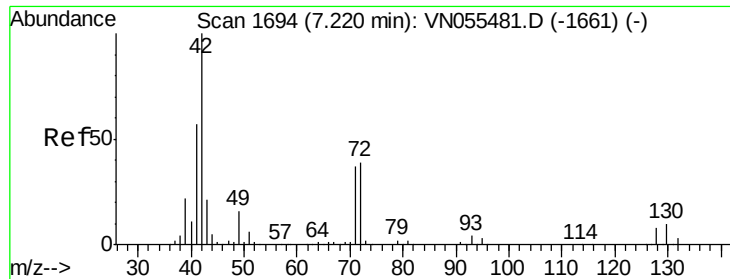
129 0.9 0.0 3.2

130 62.1 49.5 74.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 84.568 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

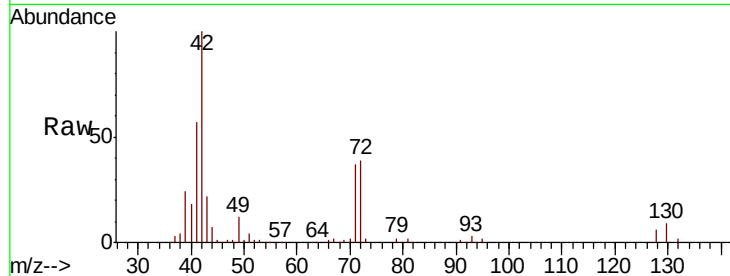
Tot Ion: 42 Resp: 246808

Ion Ratio Lower Upper

42 100

72 38.2 31.0 46.6

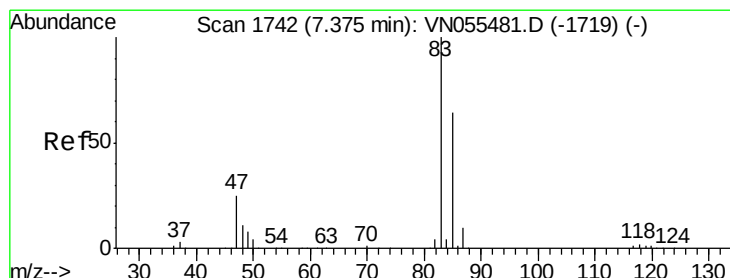
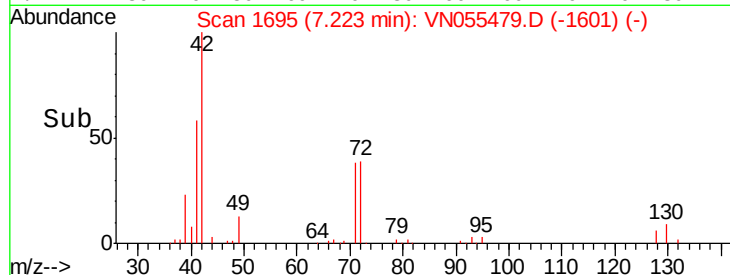
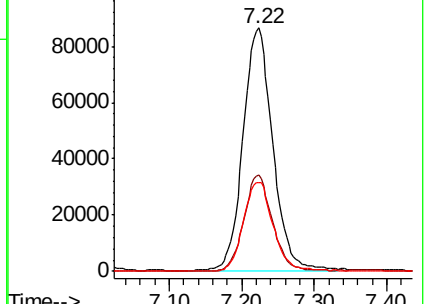
71 36.7 29.4 44.2



Abundance Ion 42.00 (41.70 to 42.70): VN055481.D (-1661) (-)

Ion 72.00 (71.70 to 72.70): VN055481.D (-1661) (-)

Ion 71.00 (70.70 to 71.70): VN055481.D (-1661) (-)



#30

Chloroform

Concen: 11.154 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055479.D

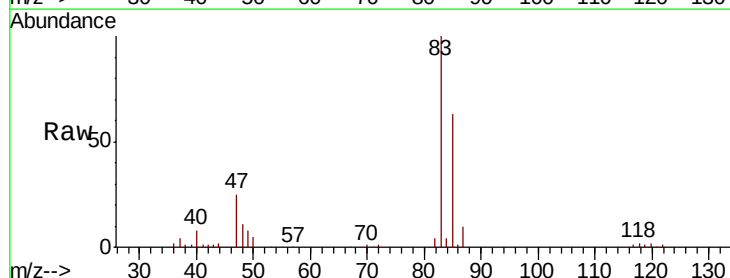
Acq: 8 May 2019 16:59

Tgt Ion: 83 Resp: 177482

Ion Ratio Lower Upper

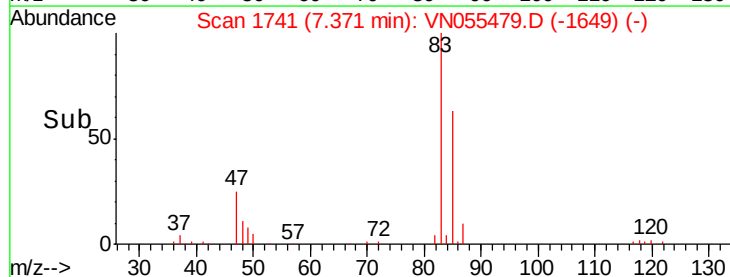
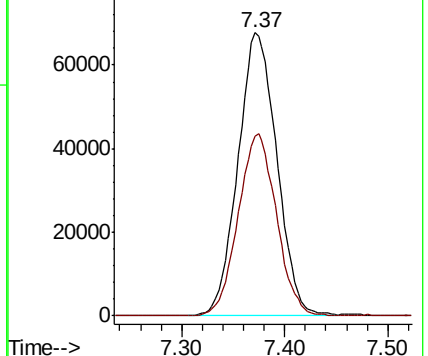
83 100

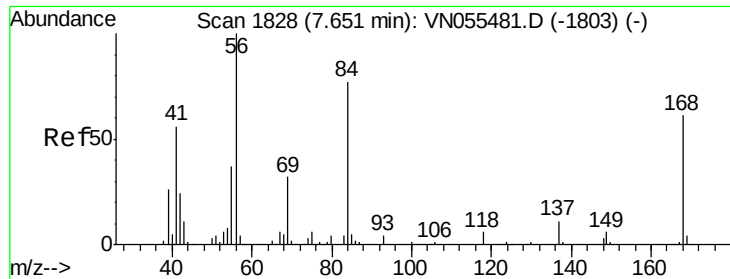
85 63.4 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN055481.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN055481.D (-1719) (-)

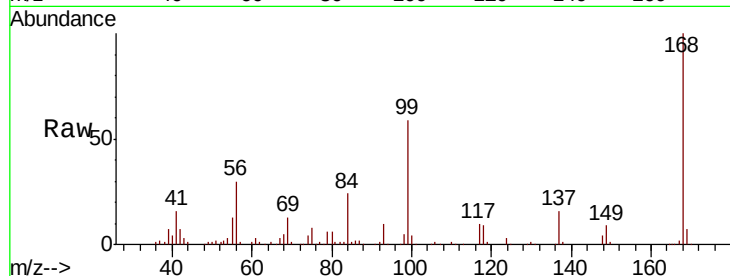




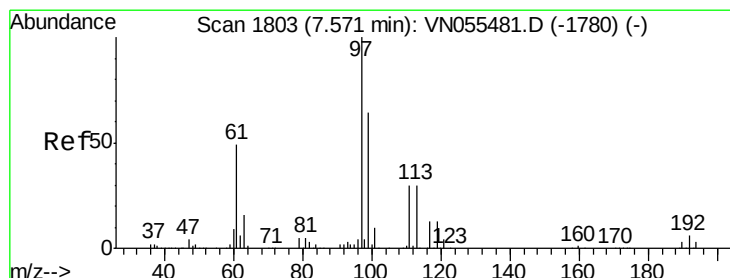
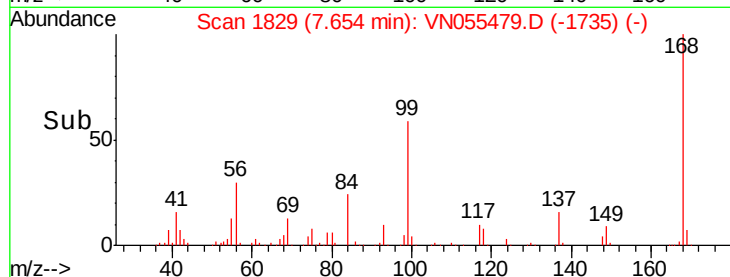
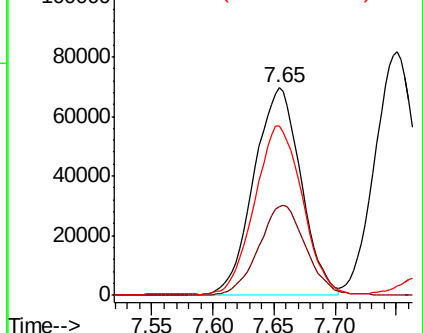
#31
Cyclohexane
Concen: 11.568 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.8	26.0	39.0
84	80.5	61.9	92.9

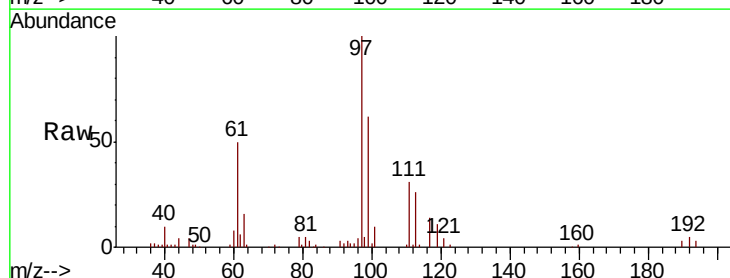


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

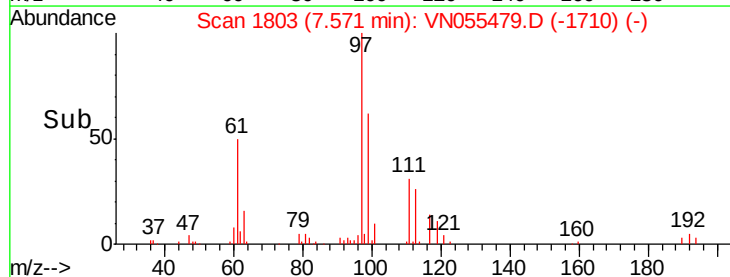
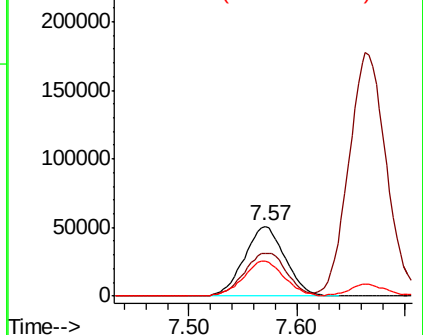


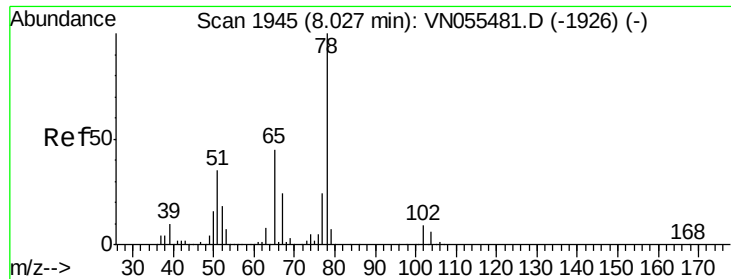
#32
1,1,1-Trichloroethane
Concen: 10.420 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	50.4	39.2	58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

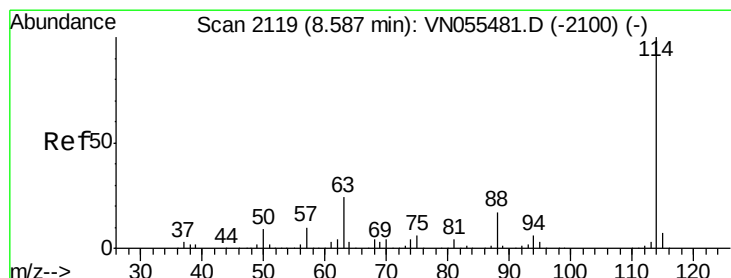
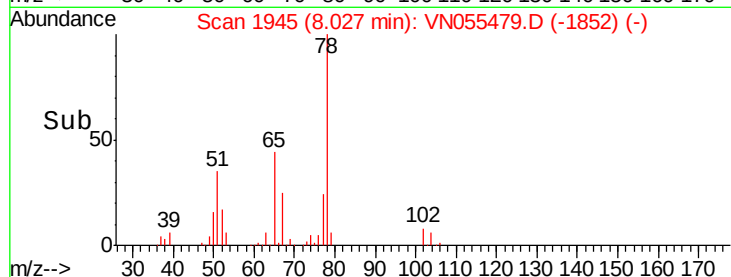
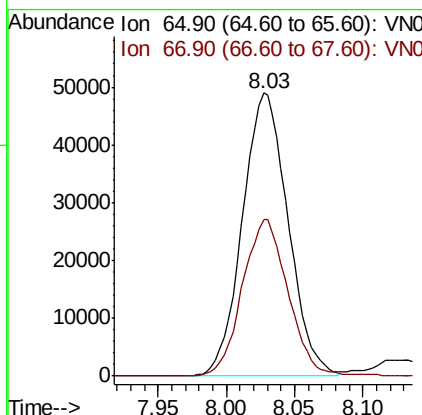
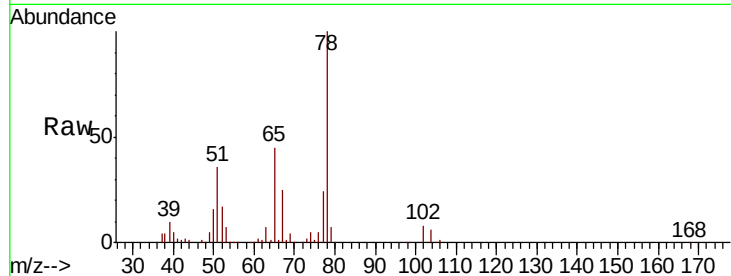




#33
 1,2-Dichloroethane-d4
 Concen: 11.070 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

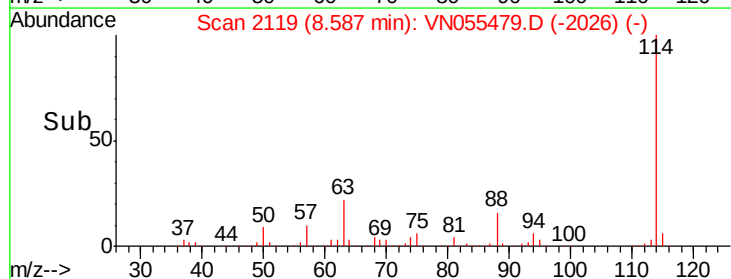
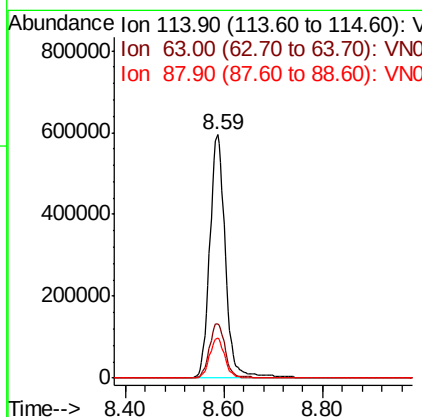
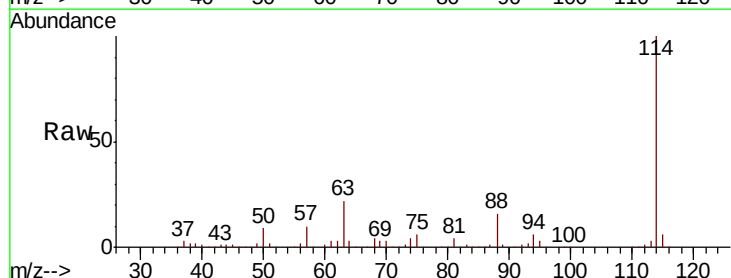
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

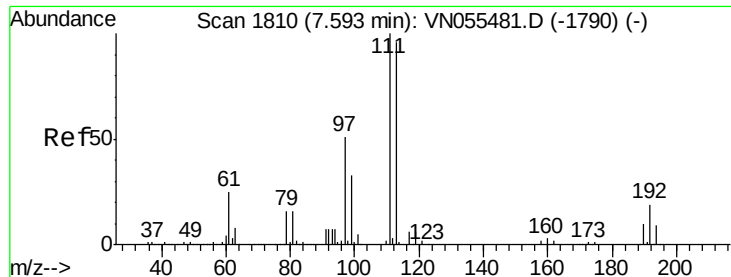
Tot Ion: 65 Resp: 113622
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 114 Resp: 1310854
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.4
 88 16.4 0.0 34.0

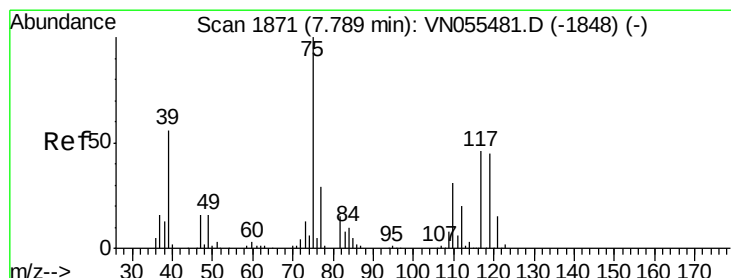
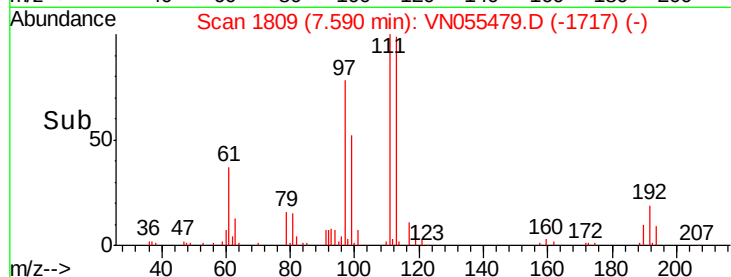
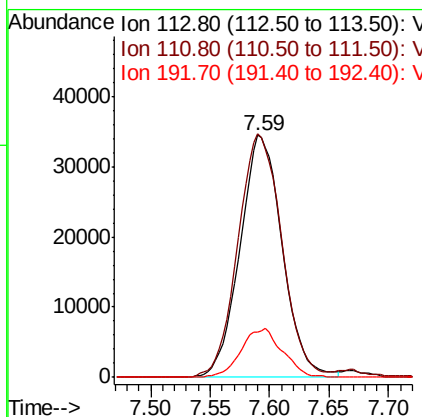
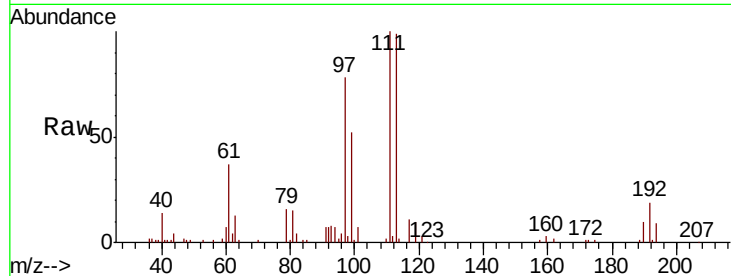




#35
 Dibromofluoromethane
 Concen: 9.836 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

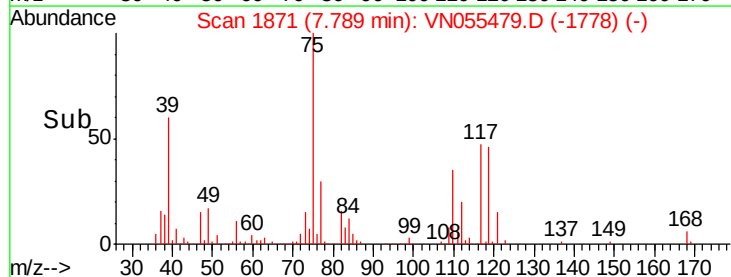
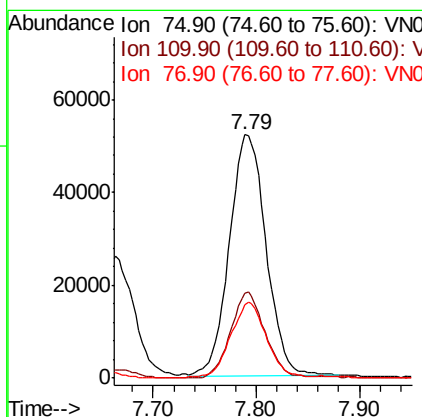
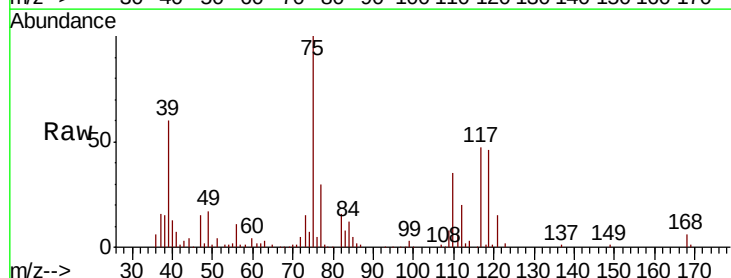
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

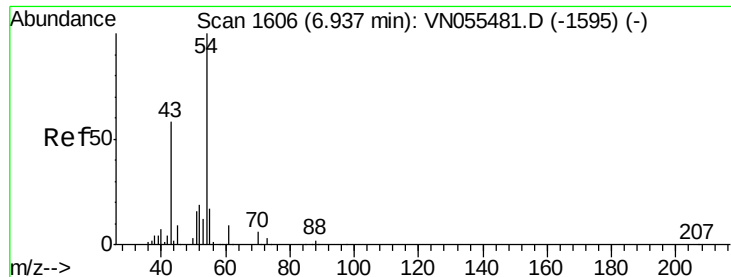
Tot Ion:113 Resp: 84901
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.9 124.3
 192 19.8 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 10.188 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 75 Resp: 129933
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.1 48.3
 77 30.7 24.6 37.0

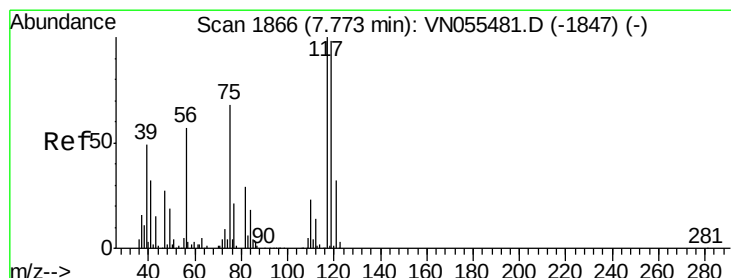
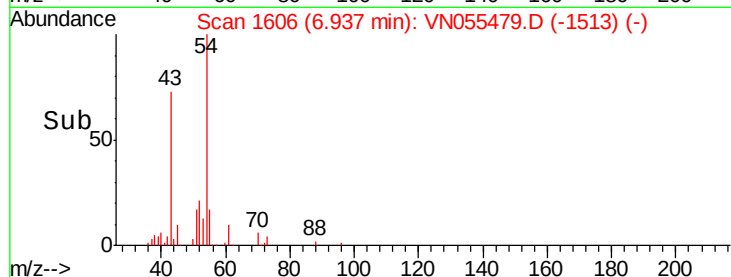
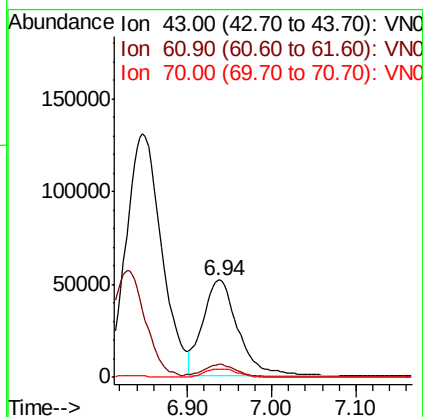
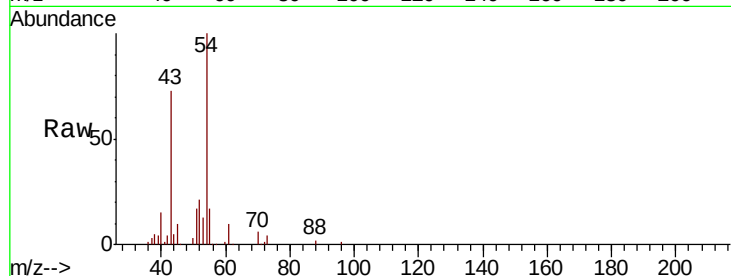




#37
Ethyl Acetate
Concen: 14.554 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

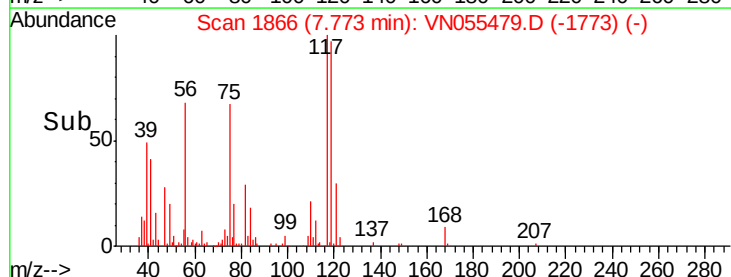
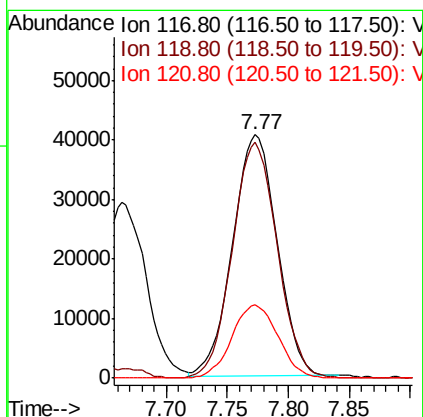
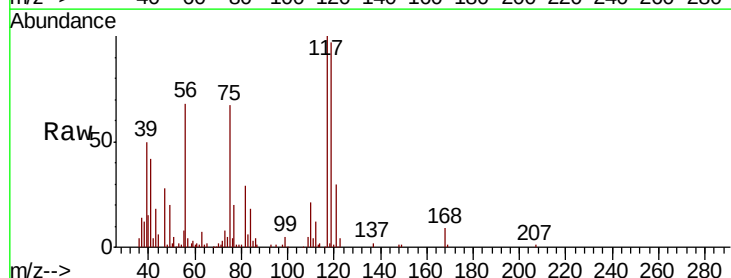
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

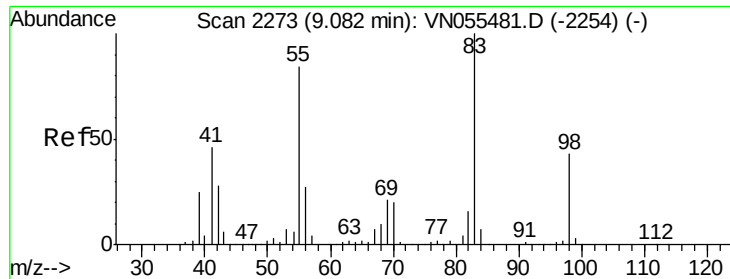
Tot Ion: 43 Resp: 153014
Ion Ratio Lower Upper
43 100
61 11.7 10.9 16.3
70 7.7 7.0 10.6



#38
Carbon Tetrachloride
Concen: 8.597 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 117 Resp: 102822
Ion Ratio Lower Upper
117 100
119 97.6 77.8 116.6
121 30.2 25.2 37.8

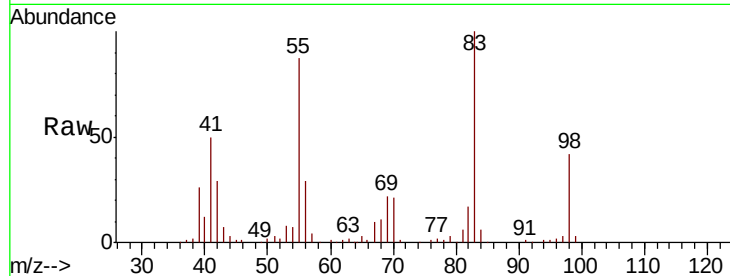




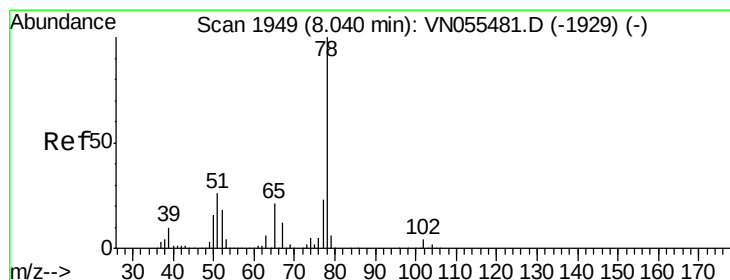
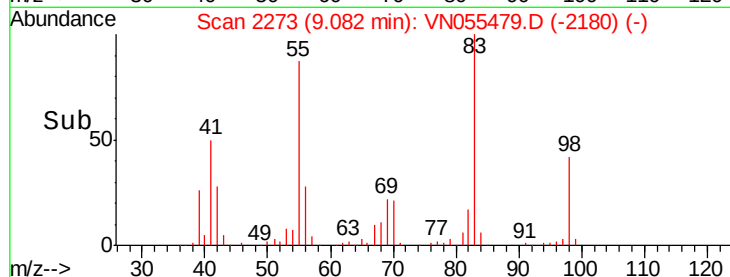
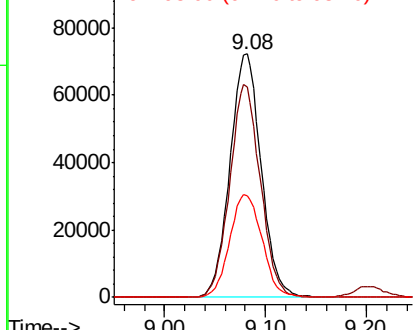
#39
Methylvlcyclohexane
Concen: 11.289 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 155119
Ion Ratio Lower Upper
83 100
55 86.6 67.0 100.4
98 41.7 34.2 51.4

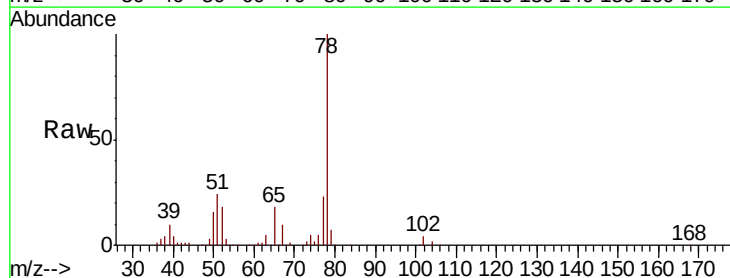


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

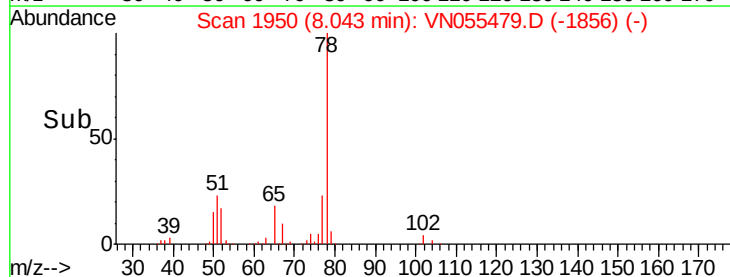
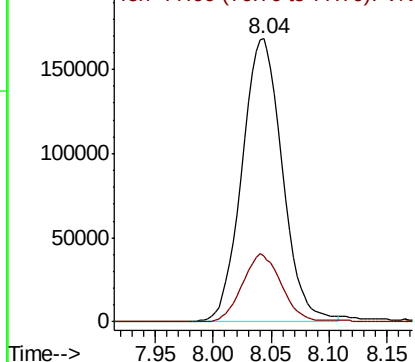


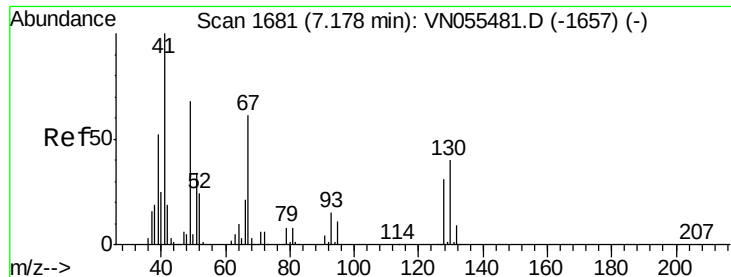
#40
Benzene
Concen: 10.819 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion: 78 Resp: 407755
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8



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

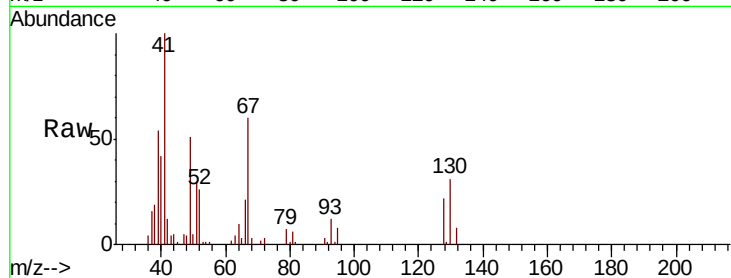




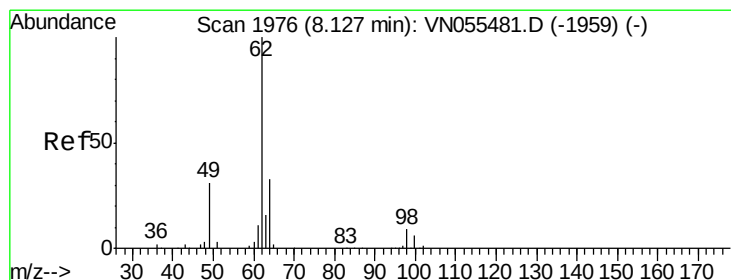
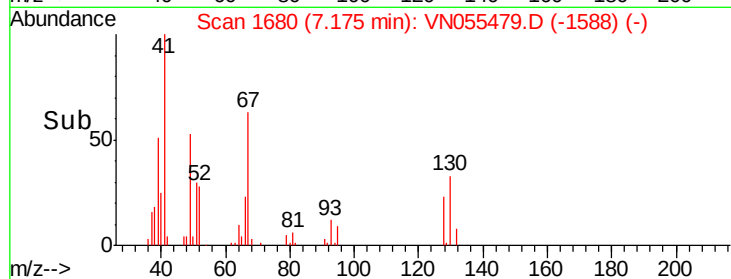
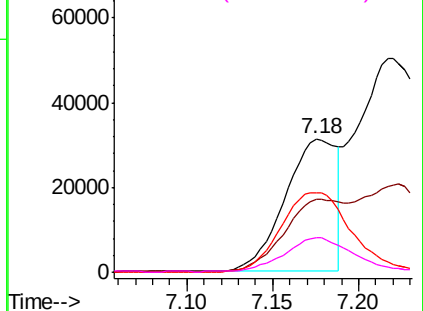
#41
Methacrylonitrile
Concen: 12.055 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	65483
Ion	Ratio	Lower	Upper
41	100		
39	64.5	44.7	67.1
67	82.7	61.4	92.0
52	33.3	25.0	37.4

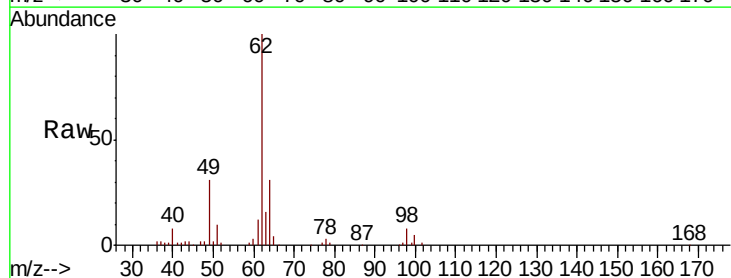


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

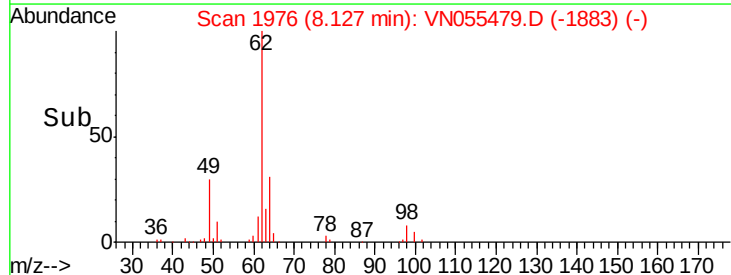
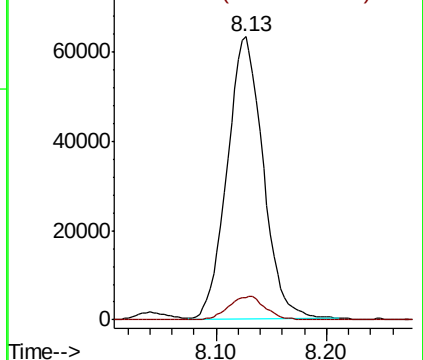


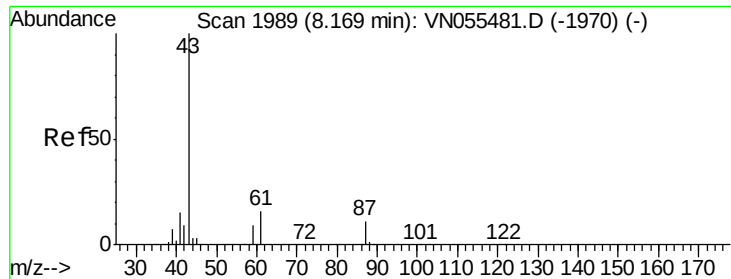
#42
1,2-Dichloroethane
Concen: 10.747 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion:	62	Resp:	142819
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 12.759 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

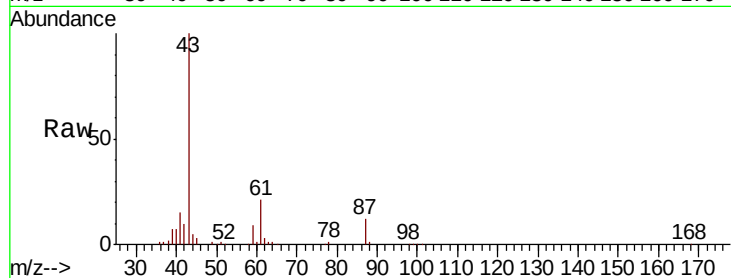
Tot Ion: 43 Resp: 211988

Ion Ratio Lower Upper

43 100

61 20.4 15.1 22.7

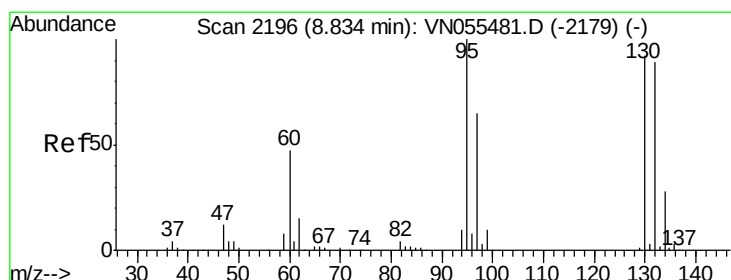
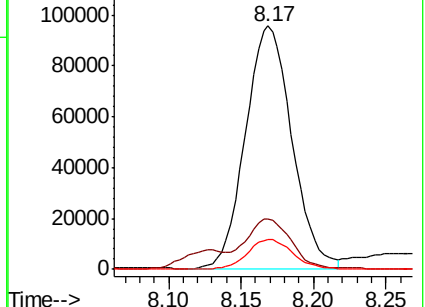
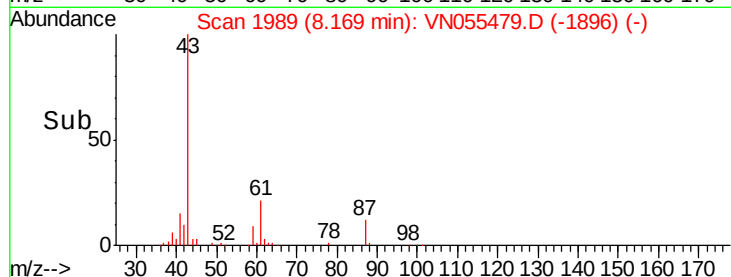
87 12.1 9.0 13.6



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) (-)



#44

Trichloroethene

Concen: 10.368 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055479.D

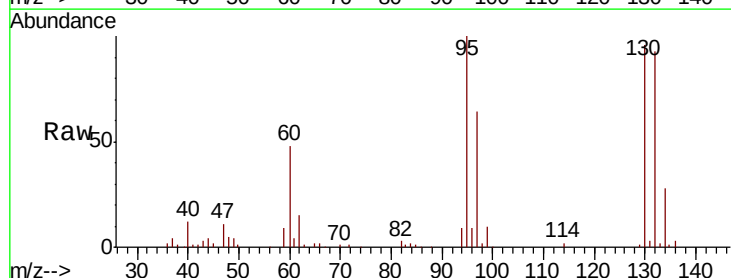
Acq: 8 May 2019 16:59

Tgt Ion:130 Resp: 98402

Ion Ratio Lower Upper

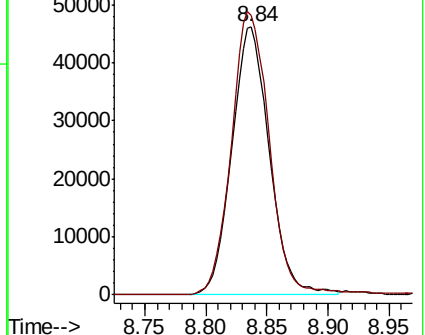
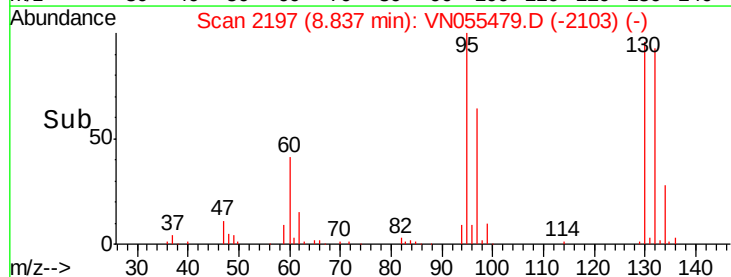
130 100

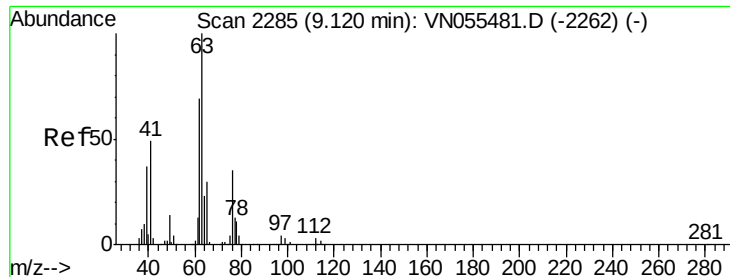
95 104.3 0.0 216.8



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

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





#45

1,2-Dichloropropane

Concen: 10.652 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

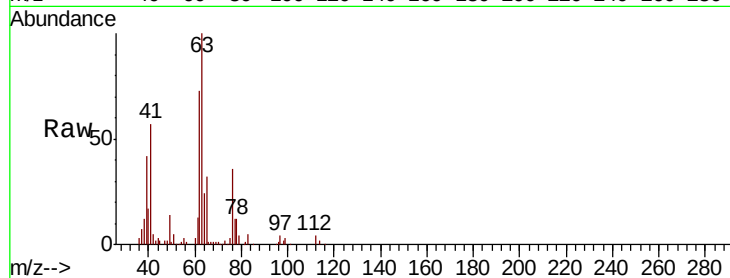
VSTDIC010

Tot Ion: 63 Resp: 115368

Ion Ratio Lower Upper

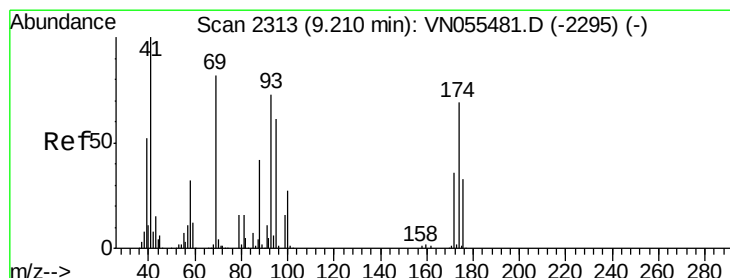
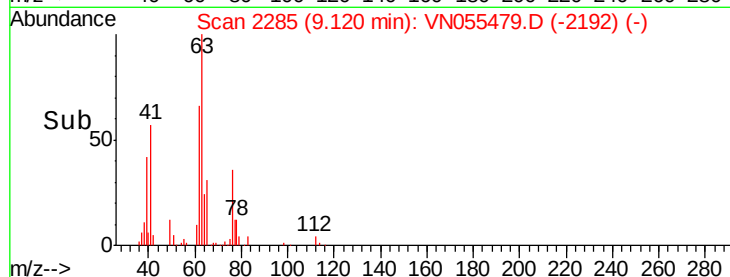
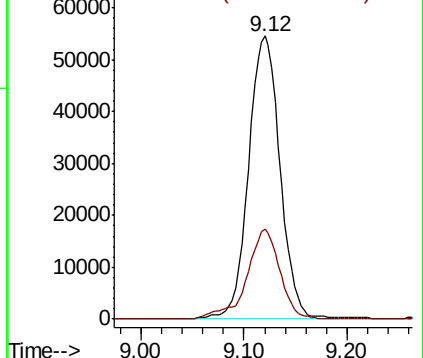
63 100

65 32.0 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 11.497 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

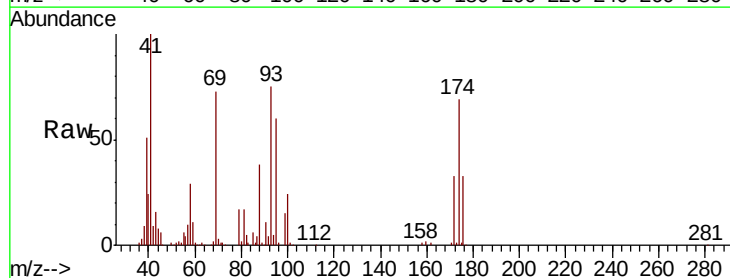
Tgt Ion: 93 Resp: 68878

Ion Ratio Lower Upper

93 100

95 79.0 64.8 97.2

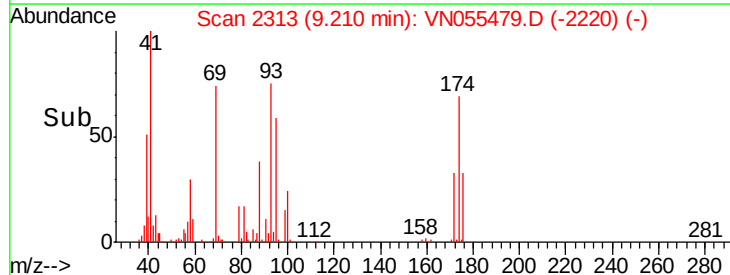
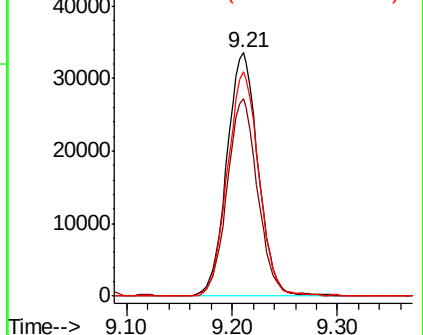
174 92.3 75.0 112.6

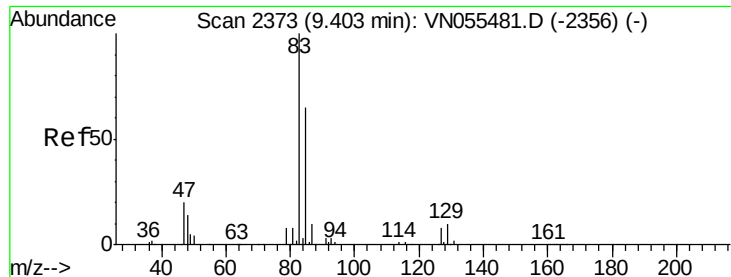


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 10.095 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

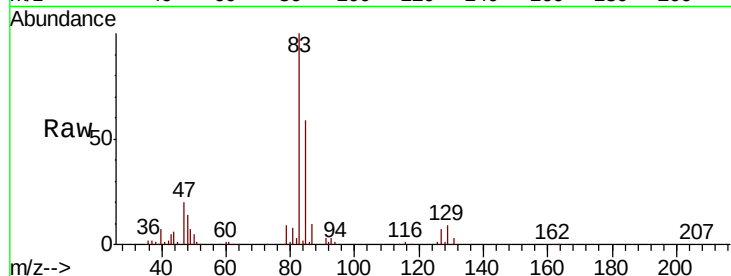
Tot Ion: 83 Resp: 127246

Ion Ratio Lower Upper

83 100

85 59.2 52.2 78.2

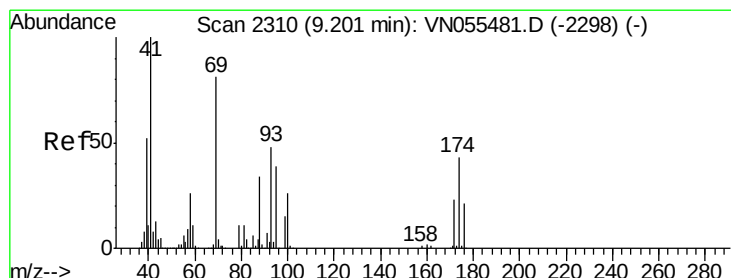
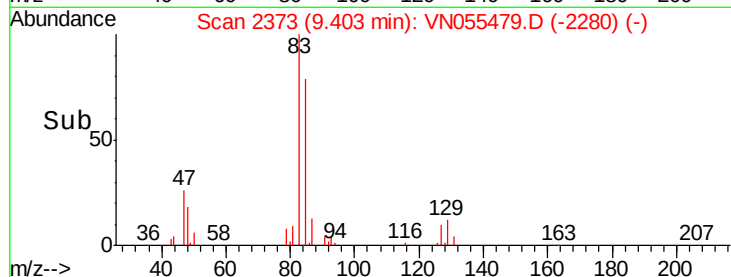
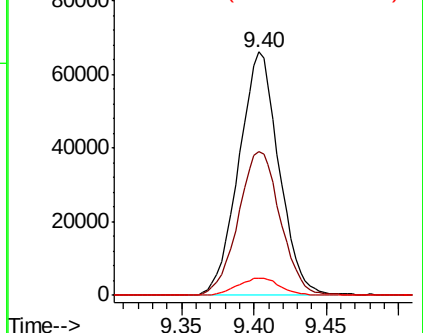
127 7.2 6.5 9.7



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: 12.826 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

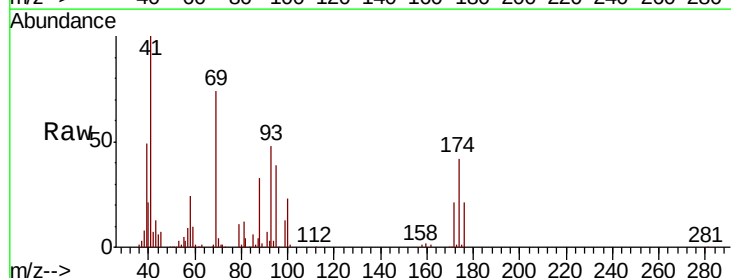
Tgt Ion: 41 Resp: 104154

Ion Ratio Lower Upper

41 100

69 78.1 64.2 96.2

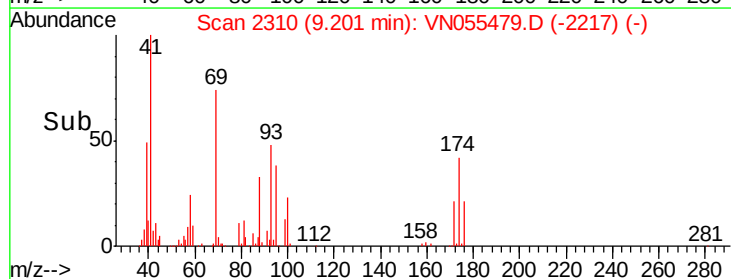
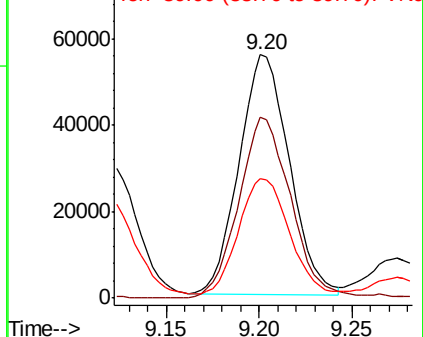
39 51.1 41.6 62.4

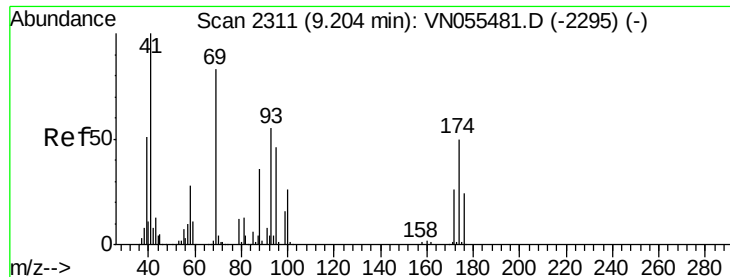


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

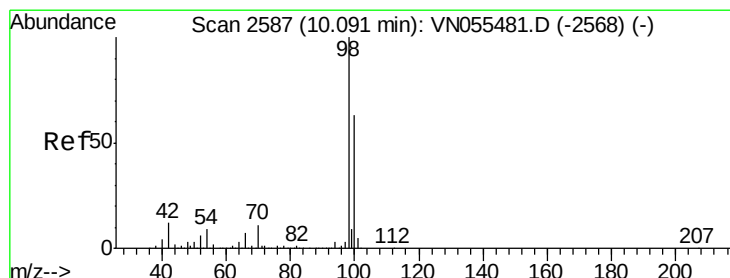
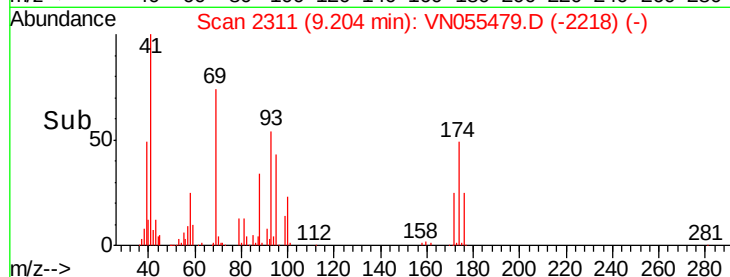
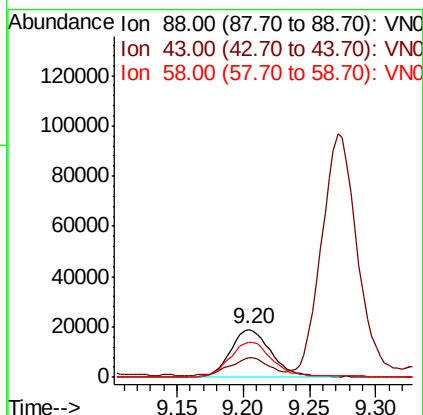
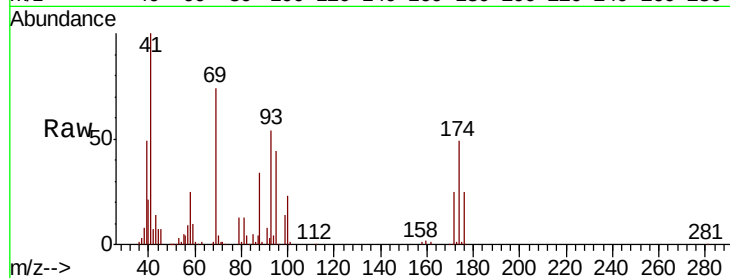




#49
 1,4-Dioxane
 Concen: 403.891 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

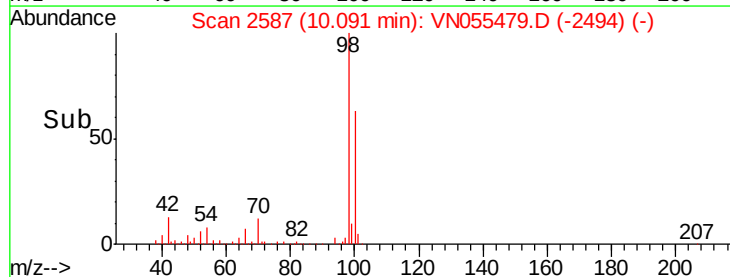
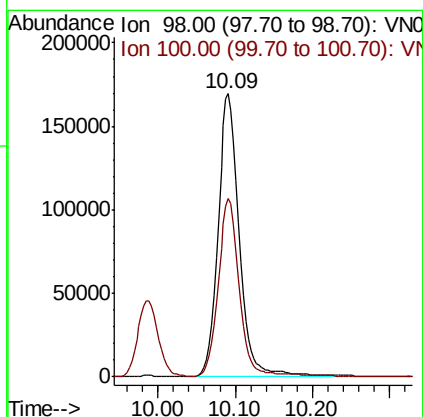
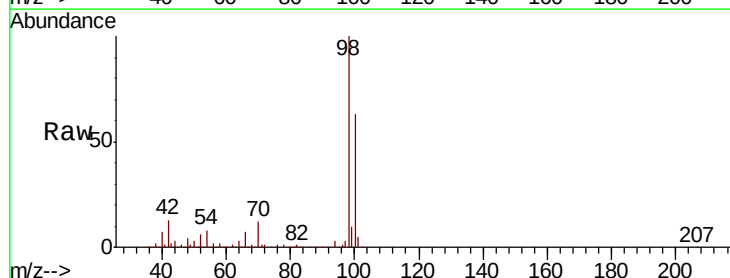
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

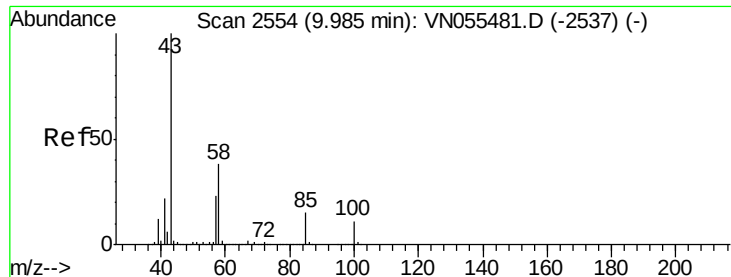
Tot Ion: 88 Resp: 40740
 Ion Ratio Lower Upper
 88 100
 43 33.2 27.8 41.8
 58 76.6 61.8 92.6



#50
 Toluene-d8
 Concen: 10.335 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 98 Resp: 327303
 Ion Ratio Lower Upper
 98 100
 100 61.4 50.4 75.6

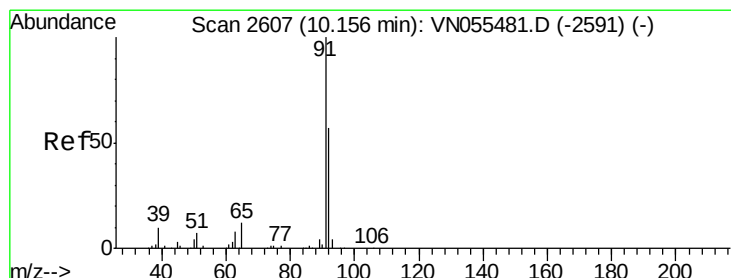
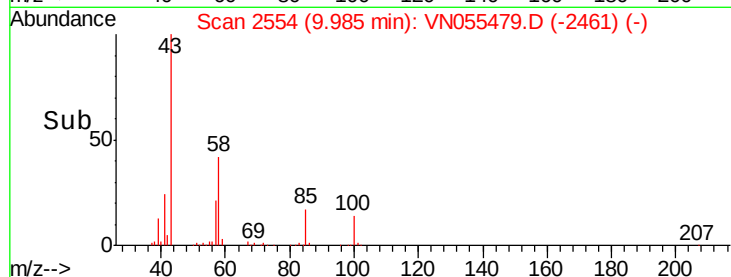
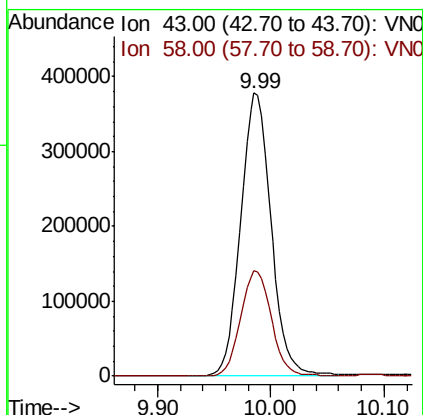
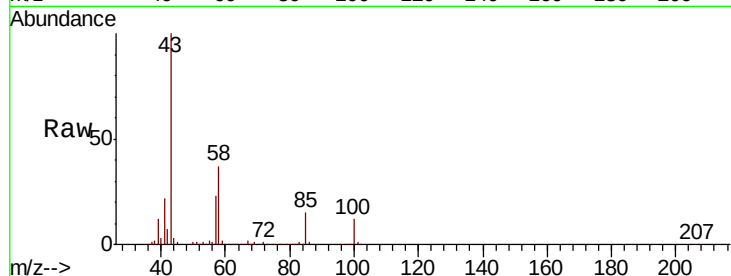




#51
 4-Methyl-2-Pentanone
 Concen: 72.904 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

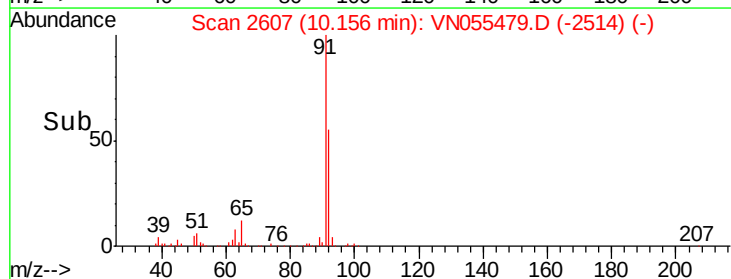
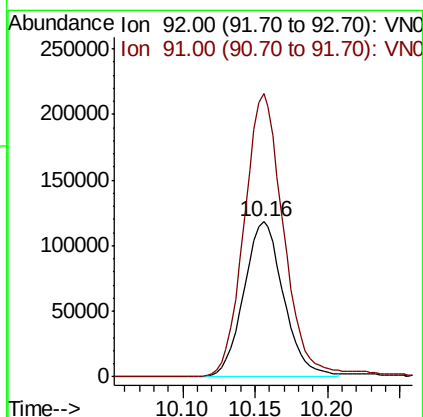
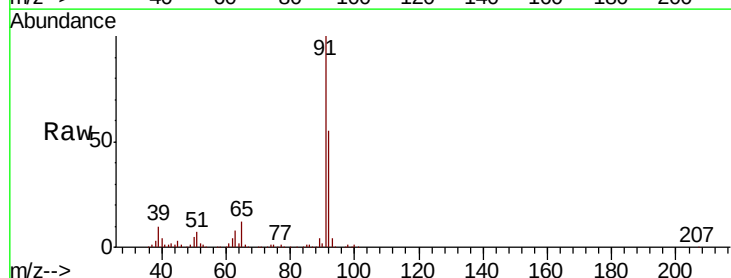
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

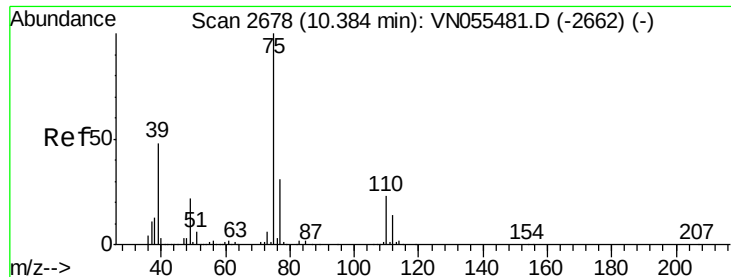
Tot Ion: 43 Resp: 706897
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.9 44.9



#52
 Toluene
 Concen: 10.432 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 92 Resp: 225817
 Ion Ratio Lower Upper
 92 100
 91 183.6 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 10.380 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

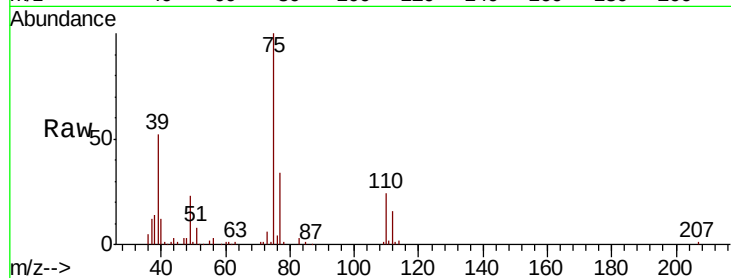
VSTDIC010

Tot Ion: 75 Resp: 115473

Ion Ratio Lower Upper

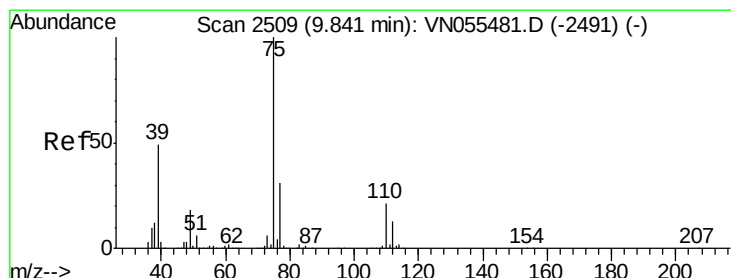
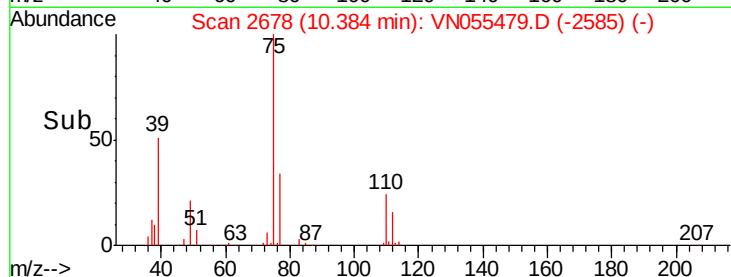
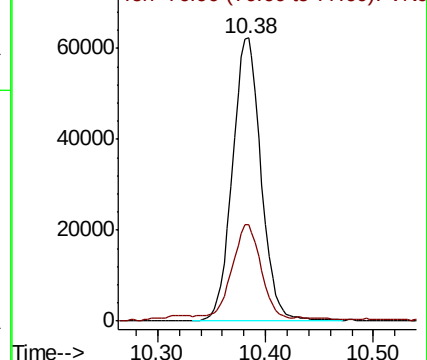
75 100

77 33.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 10.424 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

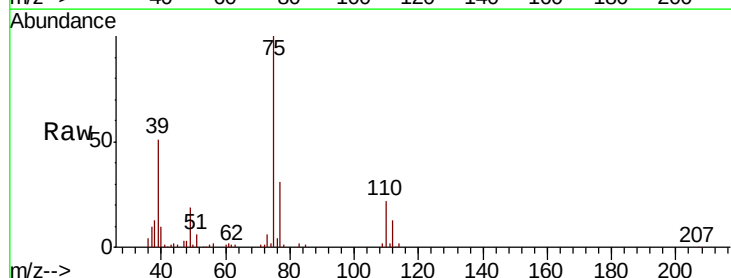
Tgt Ion: 75 Resp: 143556

Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6

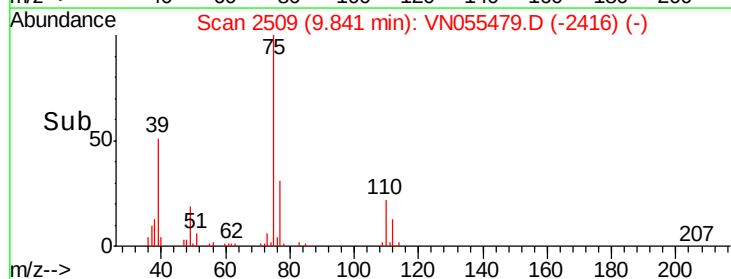
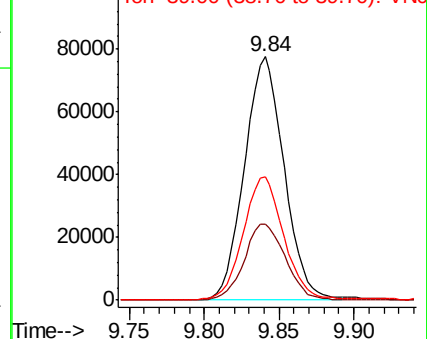
39 50.6 39.5 59.3

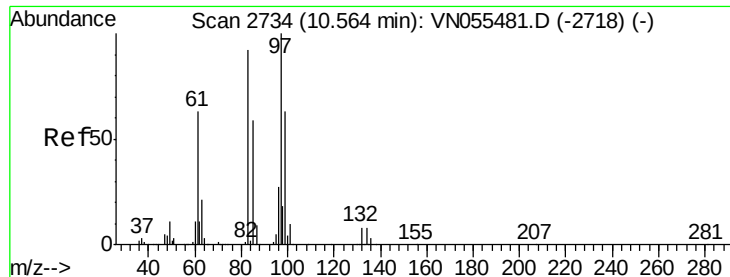


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

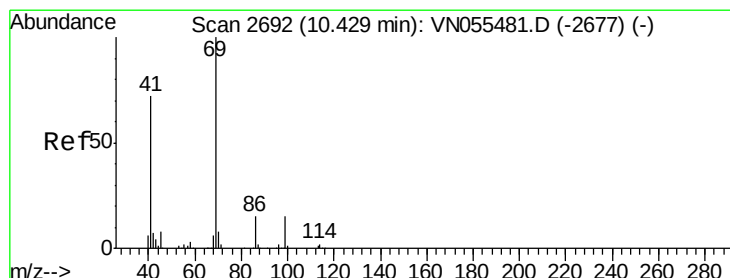
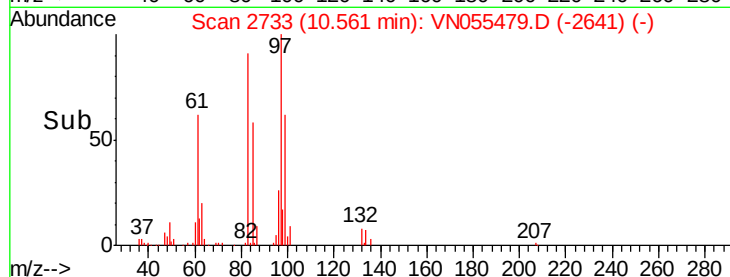
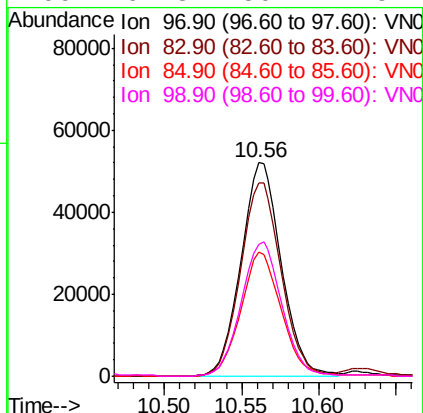
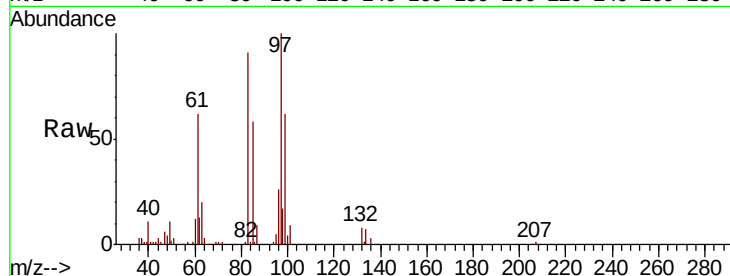




#55
 1,1,2-Trichloroethane
 Concen: 11.596 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

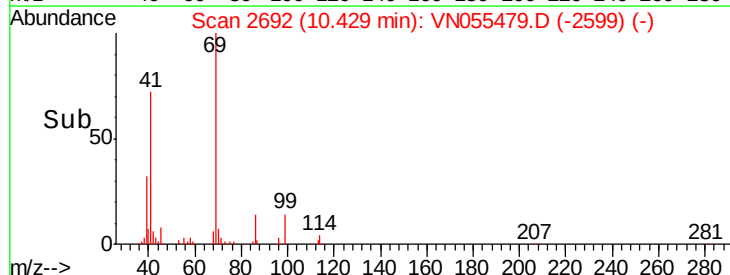
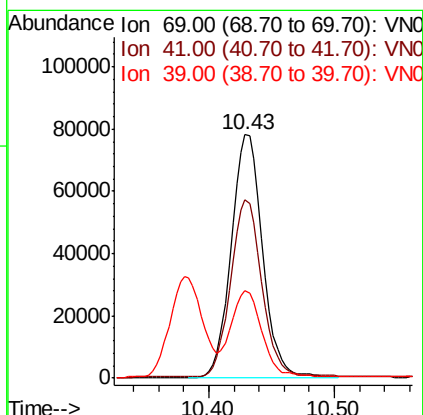
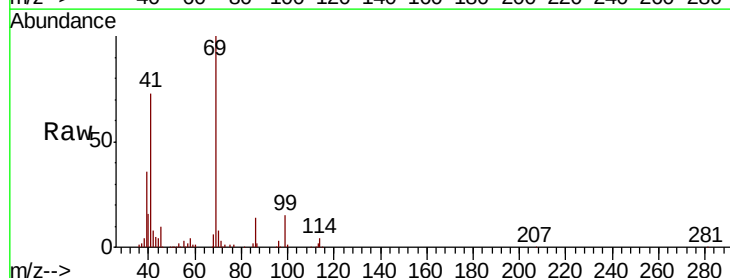
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

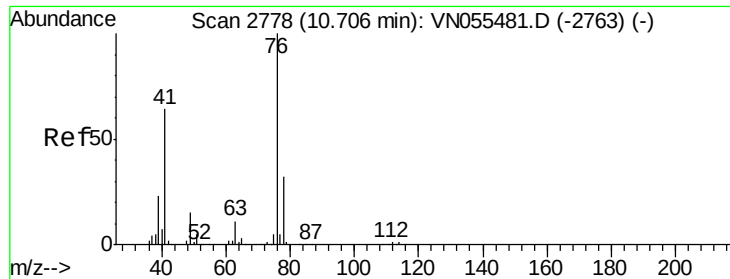
Tot Ion: 97 Resp: 94357
 Ion Ratio Lower Upper
 97 100
 83 90.7 73.2 109.8
 85 58.3 47.5 71.3
 99 61.8 50.2 75.2



#56
 Ethyl methacrylate
 Concen: 13.097 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 69 Resp: 136334
 Ion Ratio Lower Upper
 69 100
 41 71.1 56.2 84.2
 39 35.8 27.8 41.6

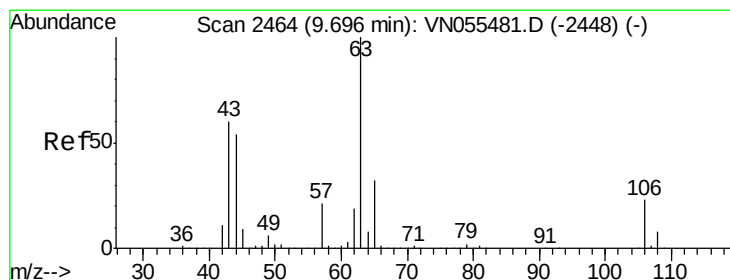
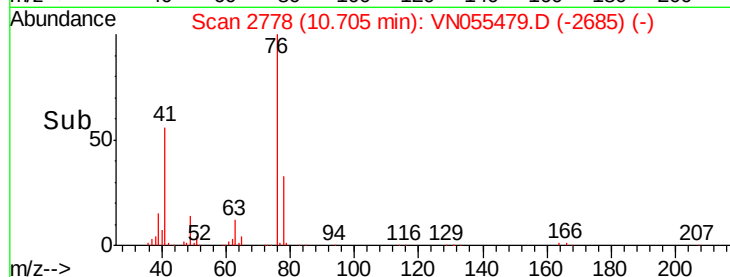
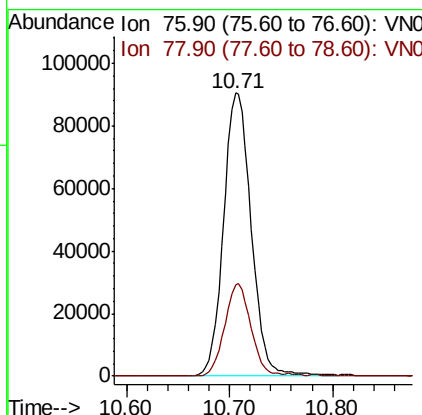
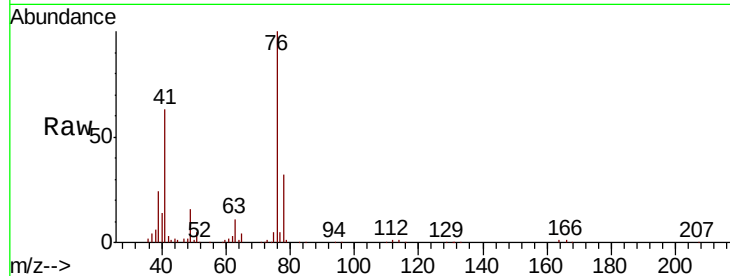




#57
 1,3-Dichloropropane
 Concen: 11.833 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

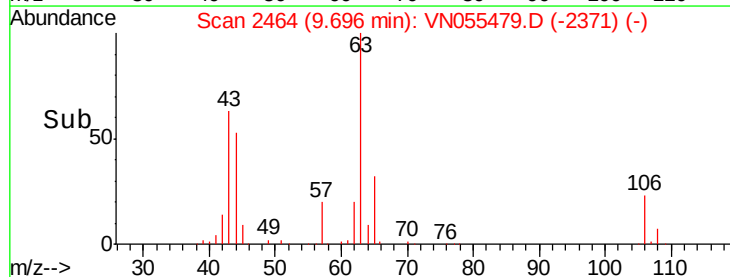
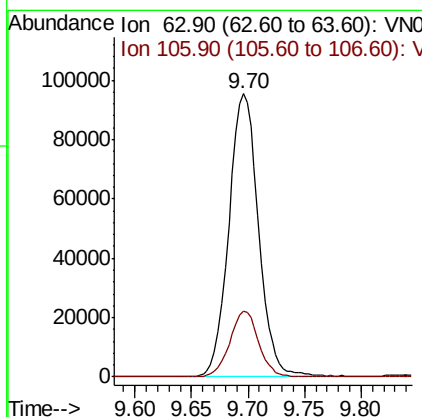
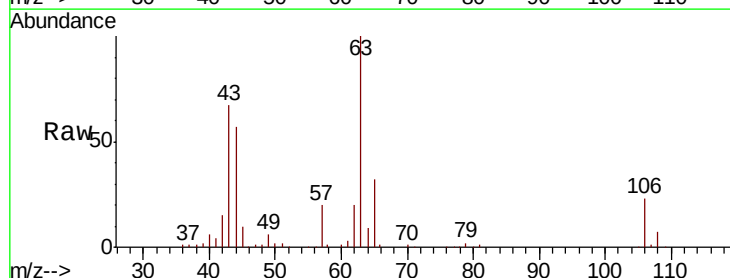
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

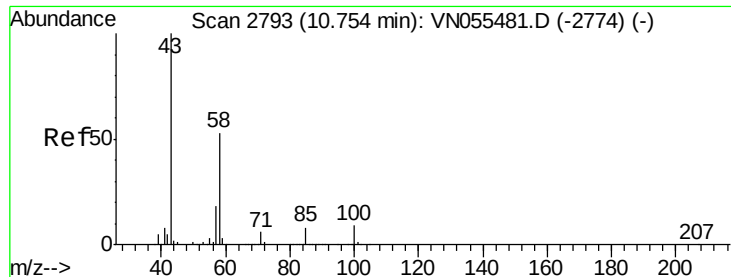
Tot Ion: 76 Resp: 169561
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 61.865 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion: 63 Resp: 174744
 Ion Ratio Lower Upper
 63 100
 106 22.5 18.6 27.8





#59

2-Hexanone

Concen: 80.522 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

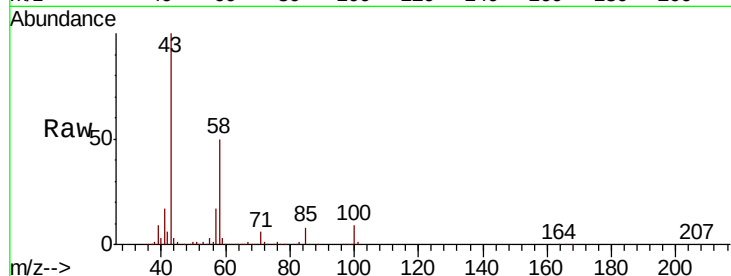
VSTDIC010

Tot Ion: 43 Resp: 503304

Ion Ratio Lower Upper

43 100

58 51.8 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-2774) (-)

Ion 58.00 (57.70 to 58.70): VN055481.D (-2774) (-)

10.75

250000

200000

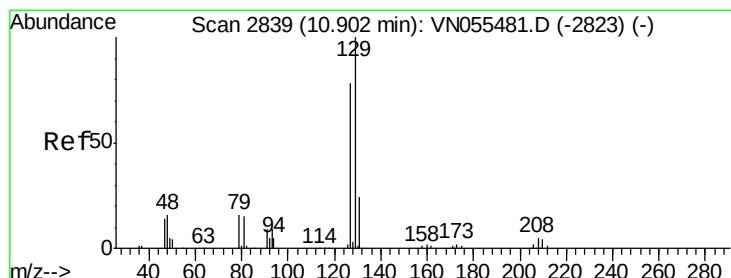
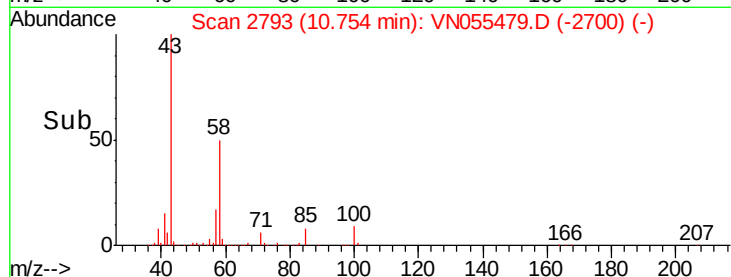
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 10.177 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055479.D

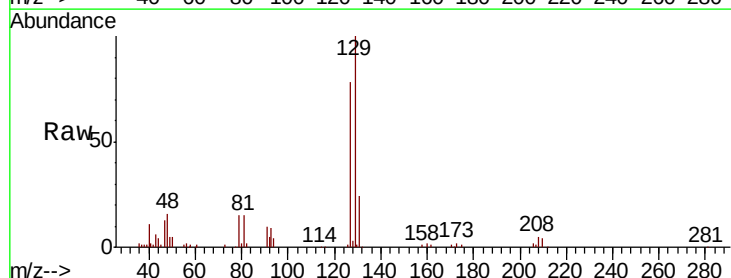
Acq: 8 May 2019 16:59

Tgt Ion: 129 Resp: 82791

Ion Ratio Lower Upper

129 100

127 78.5 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): VN055481.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN055481.D (-2823) (-)

10.90

50000

40000

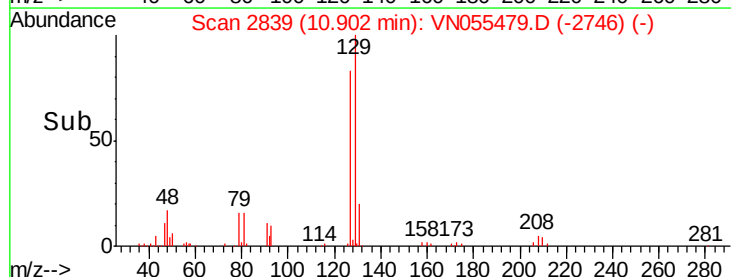
30000

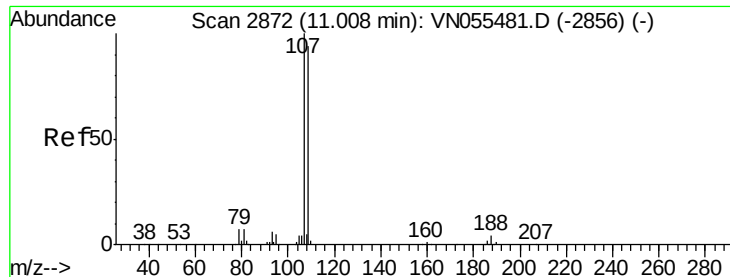
20000

10000

0

Time-->





#61

1,2-Dibromoethane

Concen: 11.806 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

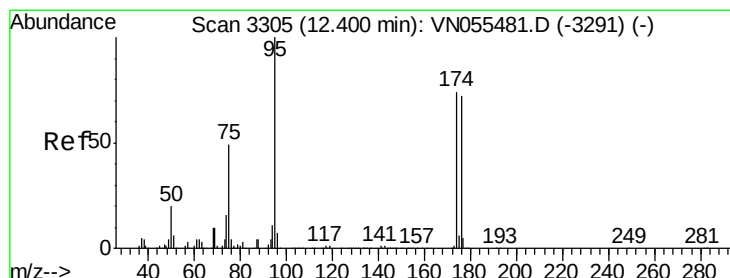
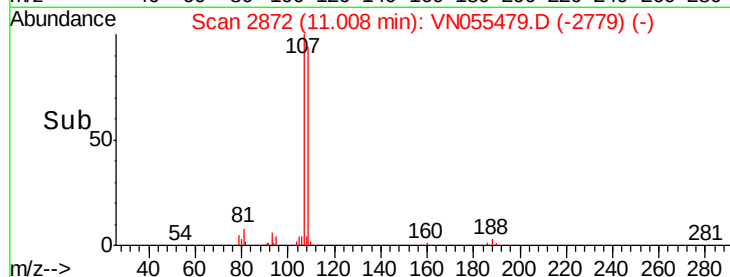
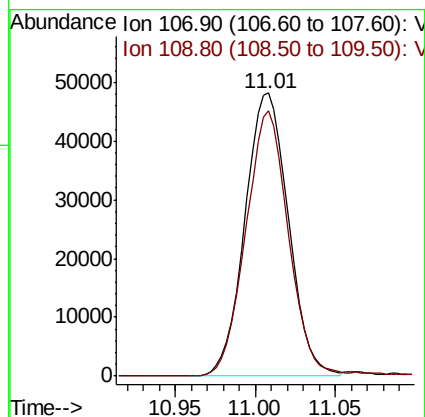
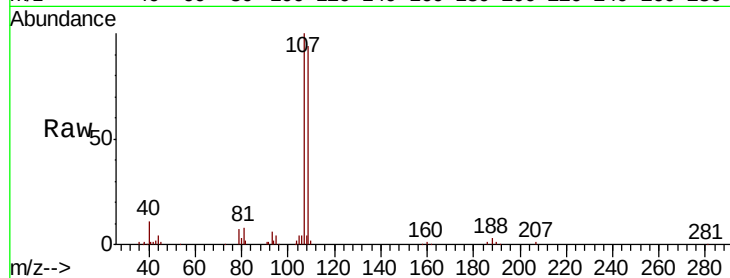
VSTDIC010

Tot Ion:107 Resp: 89650

Ion Ratio Lower Upper

107 100

109 92.0 74.2 111.4



#62

4-Bromofluorobenzene

Concen: 10.520 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

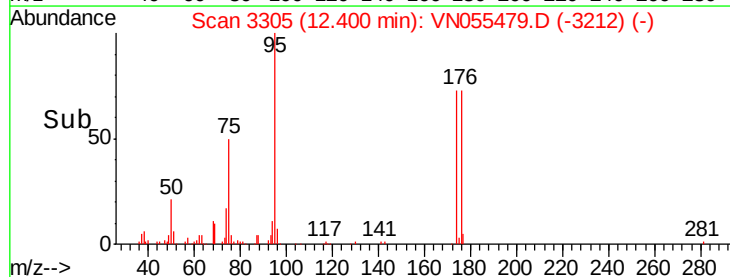
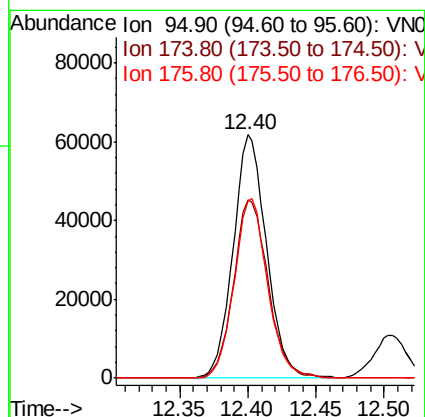
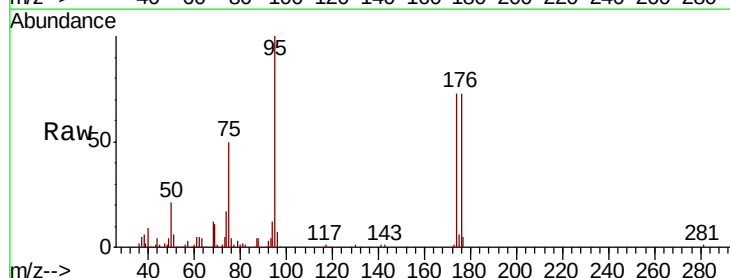
Tgt Ion: 95 Resp: 105121

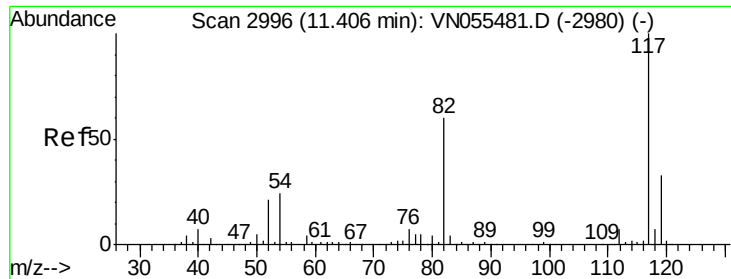
Ion Ratio Lower Upper

95 100

174 75.7 0.0 152.2

176 73.7 0.0 147.8

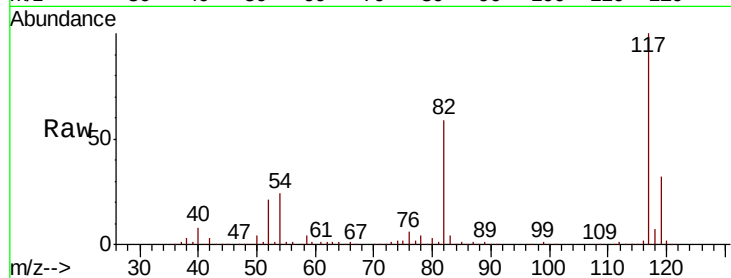




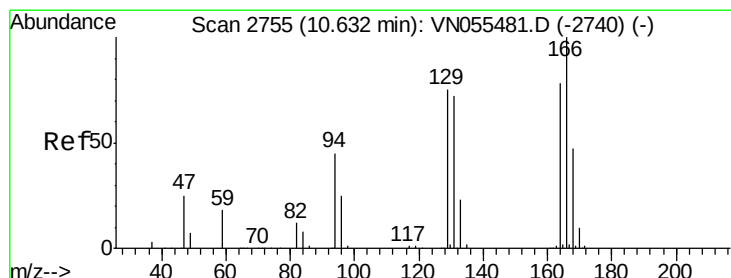
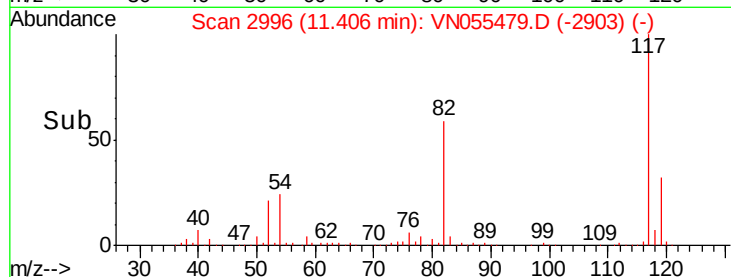
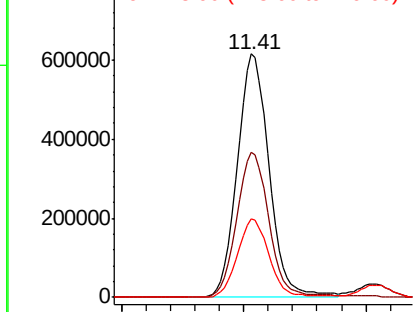
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 1107767
Ion Ratio Lower Upper
117 100
82 59.5 48.0 72.0
119 32.1 26.0 39.0

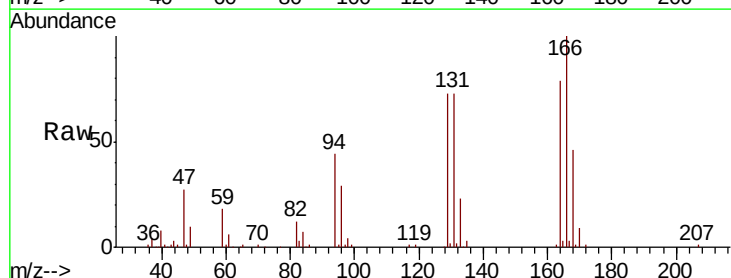


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

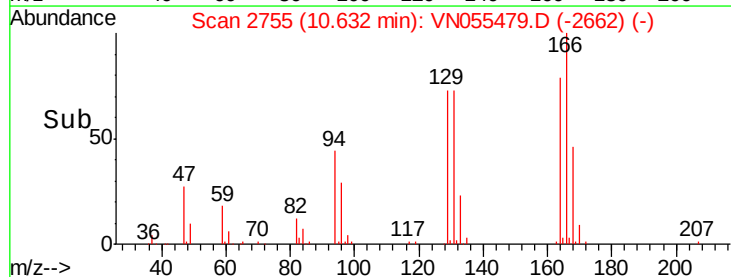
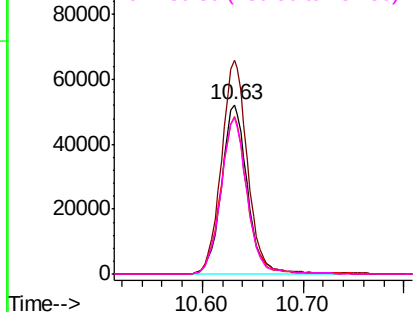


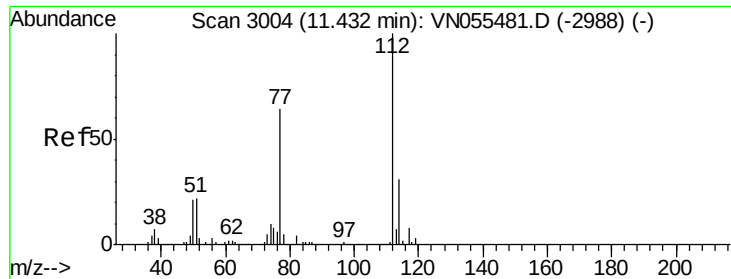
#64
Tetrachloroethene
Concen: 10.283 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion:164 Resp: 93697
Ion Ratio Lower Upper
164 100
166 126.1 102.6 153.8
129 92.7 77.0 115.6
131 91.9 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: 10.706 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

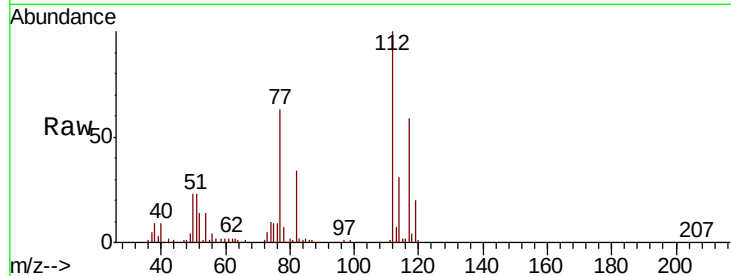
VSTDIC010

Tot Ion:112 Resp: 234903

Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

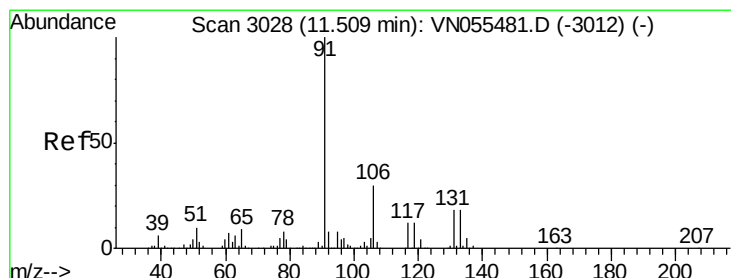
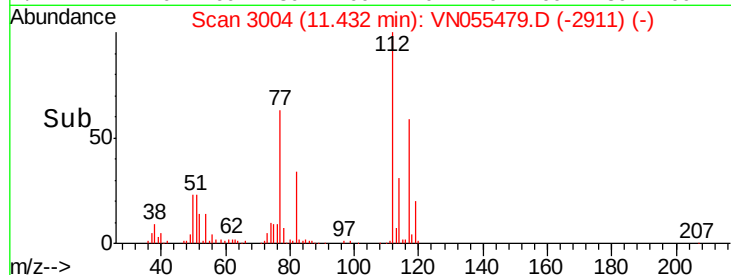
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 9.373 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

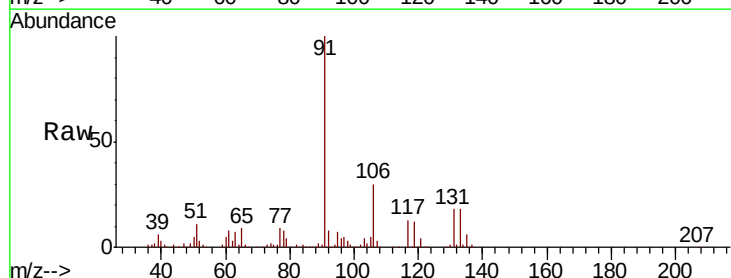
Tgt Ion:131 Resp: 79033

Ion Ratio Lower Upper

131 100

133 100.7 47.4 142.2

119 71.5 34.1 102.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

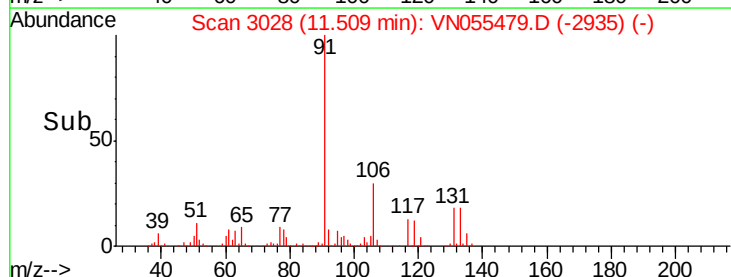
150000

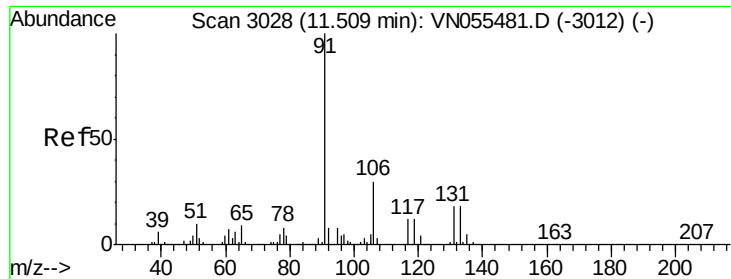
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 10.804 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

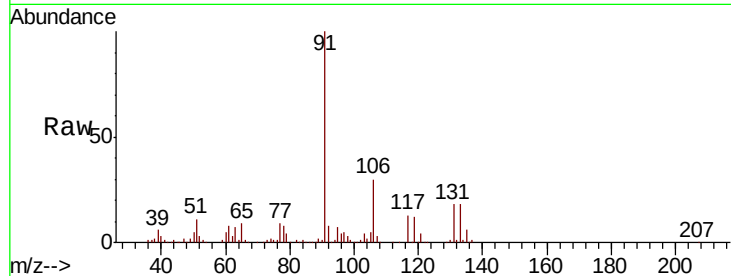
VSTDIC010

Tot Ion: 91 Resp: 429989

Ion Ratio Lower Upper

91 100

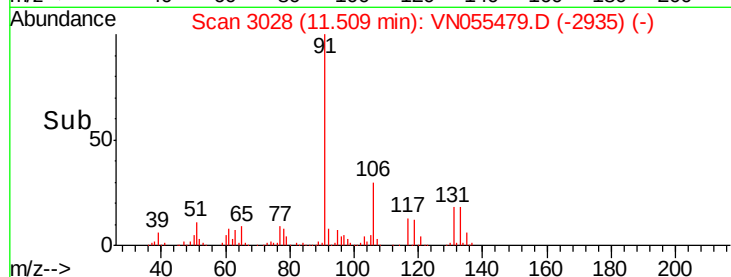
106 29.7 23.8 35.6



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

Ion 106.00 (105.70 to 106.70): VN055481.D (-3012) (-)

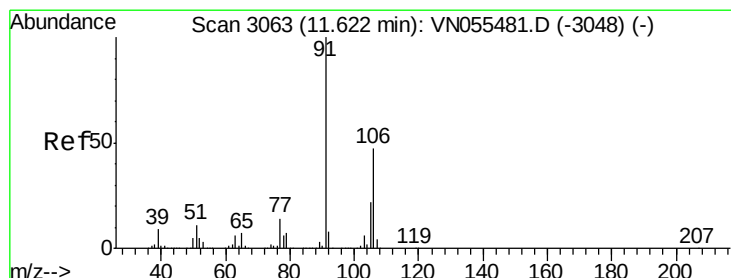
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN055479.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN055479.D (-2935) (-)

Time-->



#68

m/p-Xylenes

Concen: 21.929 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055479.D

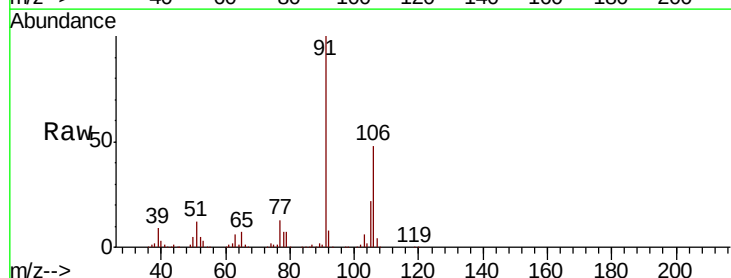
Acq: 8 May 2019 16:59

Tgt Ion: 106 Resp: 312254

Ion Ratio Lower Upper

106 100

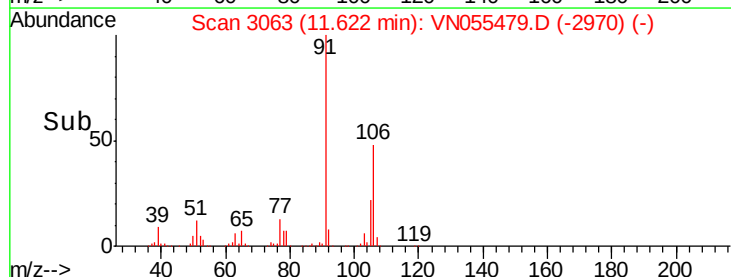
91 209.7 169.2 253.8



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

Ion 91.00 (90.70 to 91.70): VN055481.D (-3048) (-)

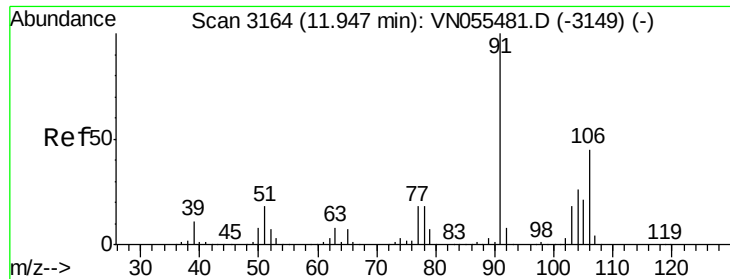
Time-->



Abundance Ion 106.00 (105.70 to 106.70): VN055479.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN055479.D (-2970) (-)

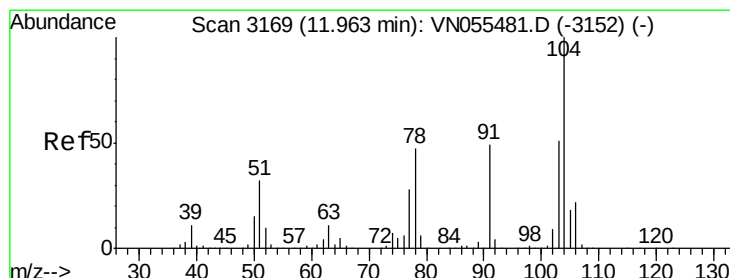
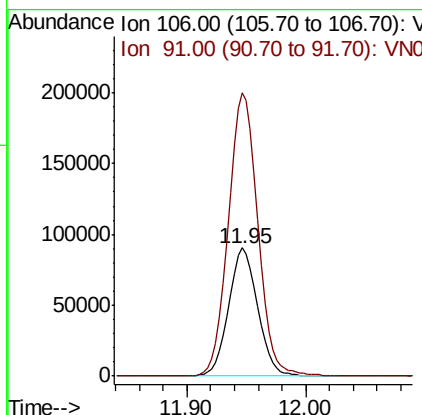
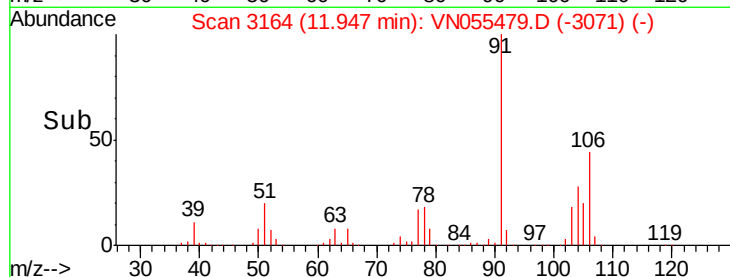
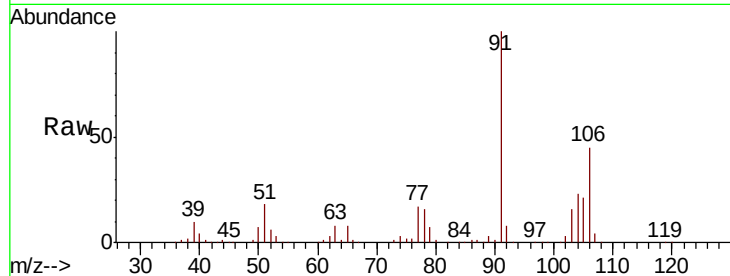
Time-->



#69
o-Xylene
Concen: 10.874 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

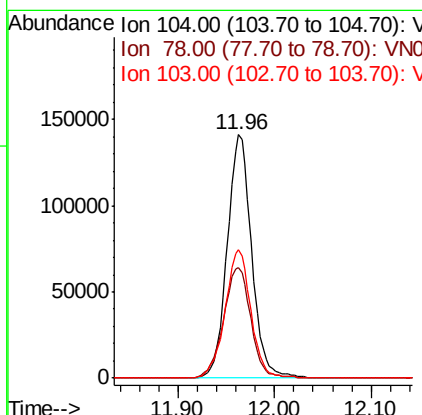
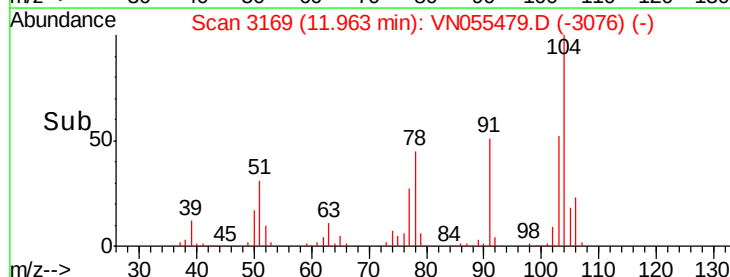
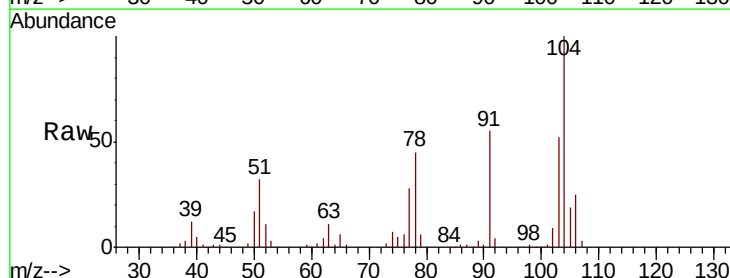
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

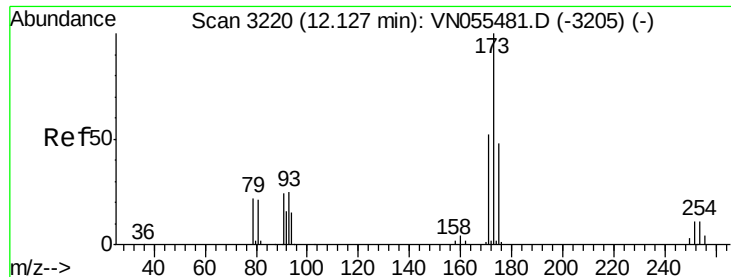
Tot Ion:106 Resp: 153507
Ion Ratio Lower Upper
106 100
91 223.2 111.3 333.8



#70
Styrene
Concen: 11.378 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055479.D
Acq: 8 May 2019 16:59

Tgt Ion:104 Resp: 247926
Ion Ratio Lower Upper
104 100
78 50.8 41.6 62.4
103 55.8 44.4 66.6





#71

Bromoform

Concen: 10.963 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

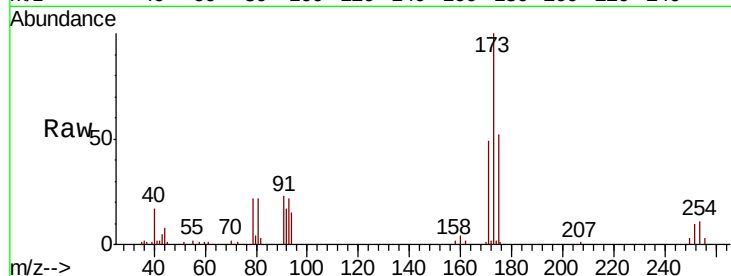
Tot Ion:173 Resp: 52772

Ion Ratio Lower Upper

173 100

175 49.5 24.1 72.4

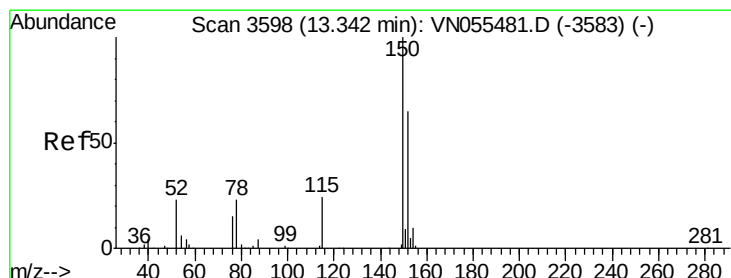
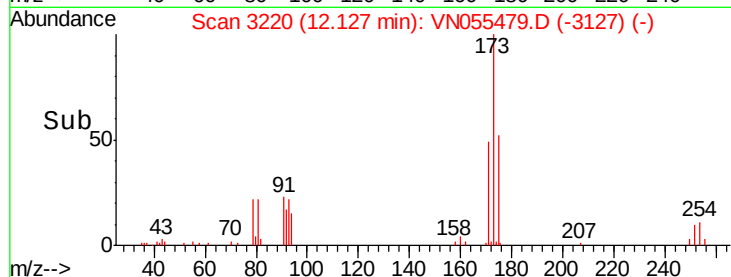
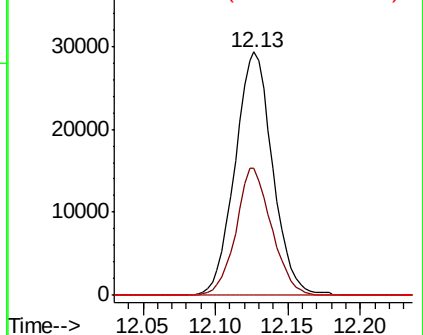
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

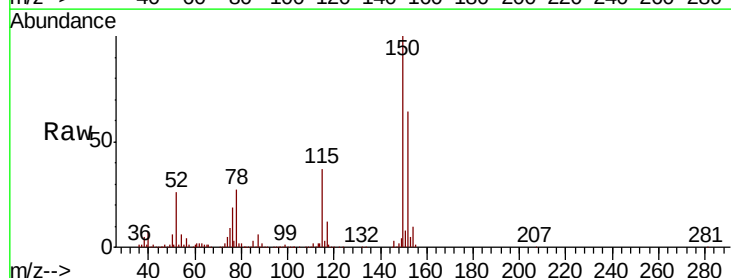
Tgt Ion:152 Resp: 404113

Ion Ratio Lower Upper

152 100

115 58.9 30.1 90.5

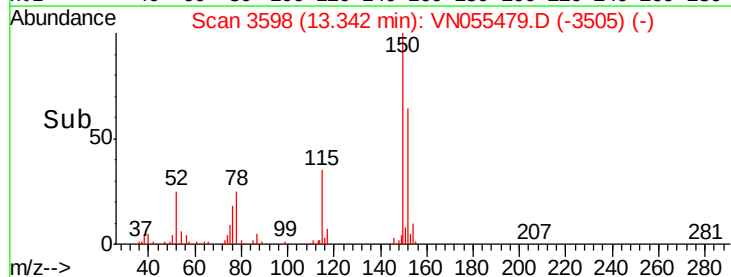
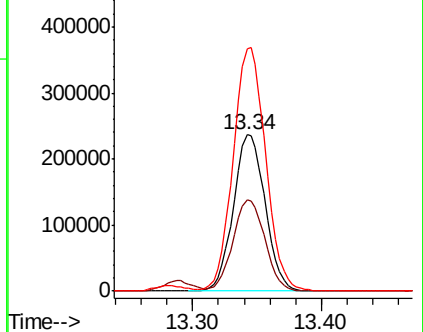
150 159.4 0.0 355.0

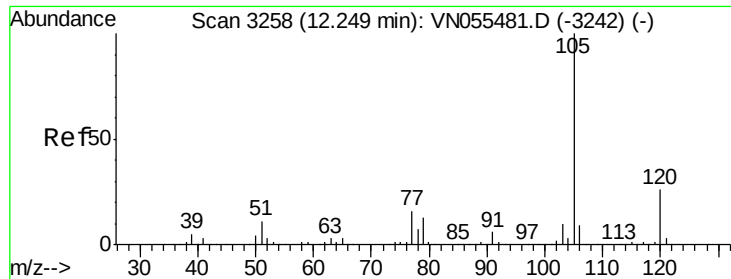


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.179 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

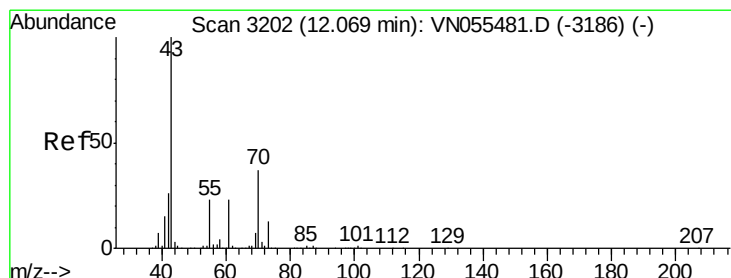
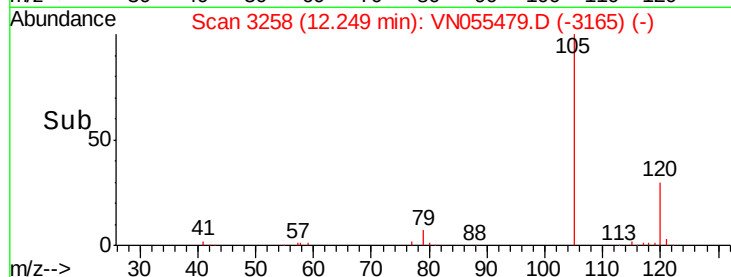
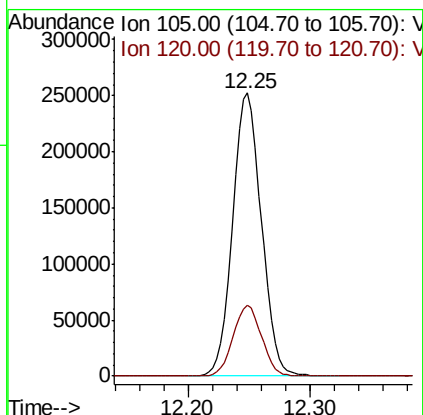
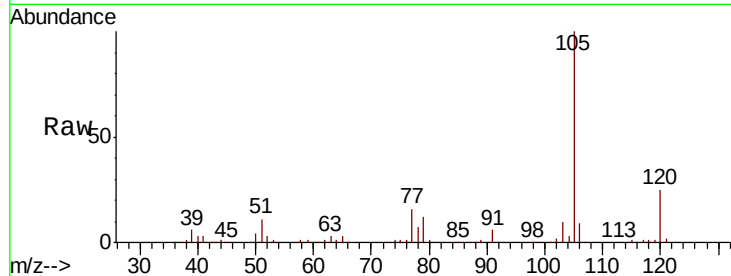
VSTDIC010

Tot Ion:105 Resp: 413015

Ion Ratio Lower Upper

105 100

120 24.8 13.0 39.0



#74

N-ethyl acetate

Concen: 13.726 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Tgt Ion: 43 Resp: 153696

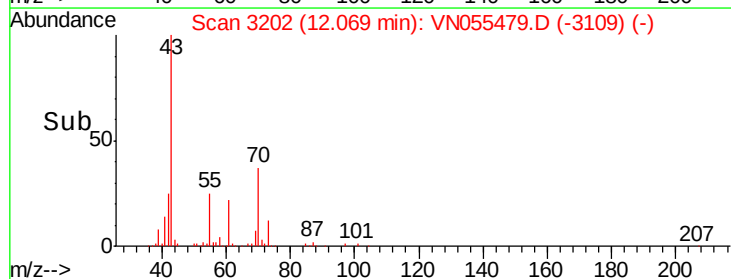
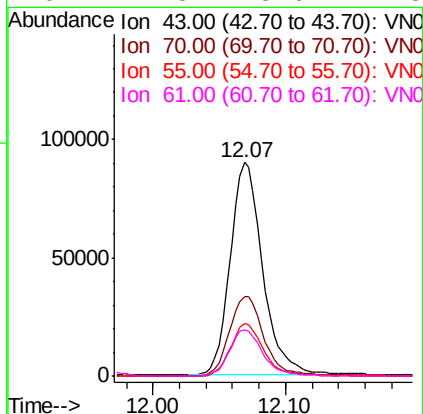
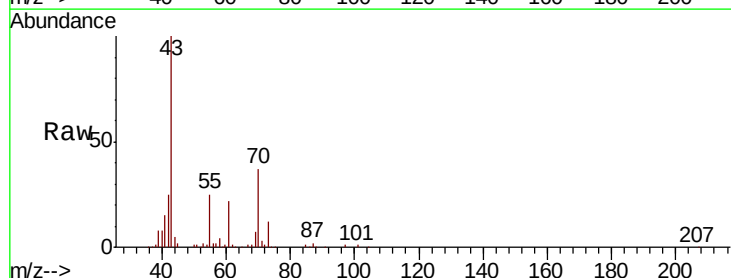
Ion Ratio Lower Upper

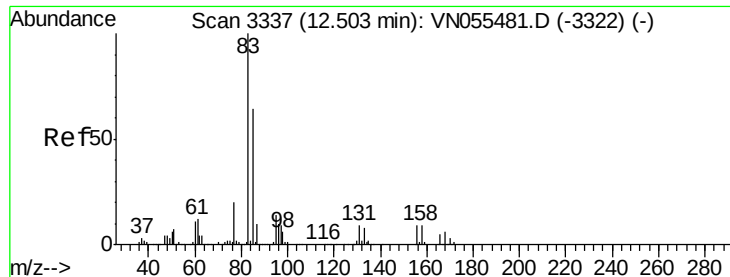
43 100

70 39.3 30.7 46.1

55 24.7 19.3 28.9

61 22.3 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 12.313 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

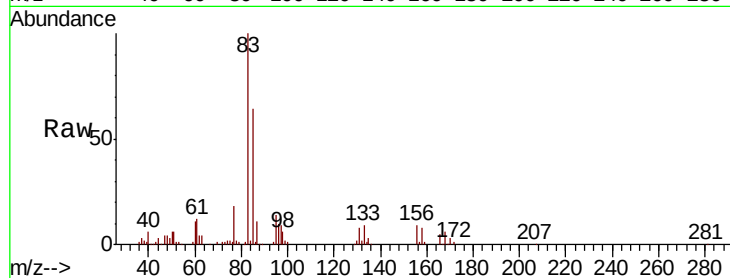
Tot Ion: 83 Resp: 132237

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

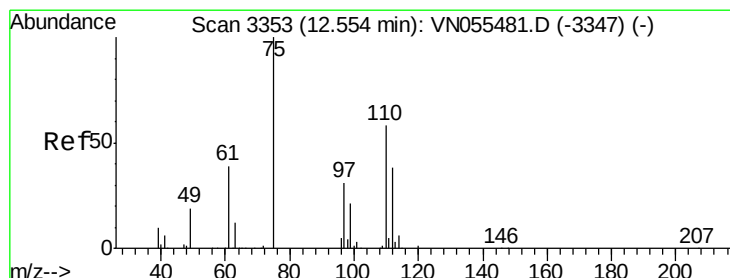
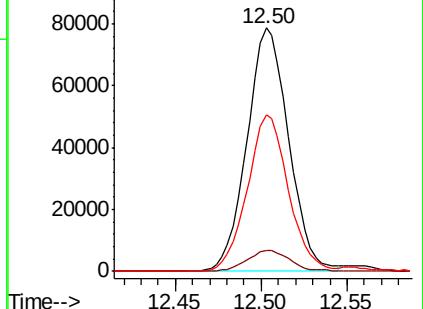
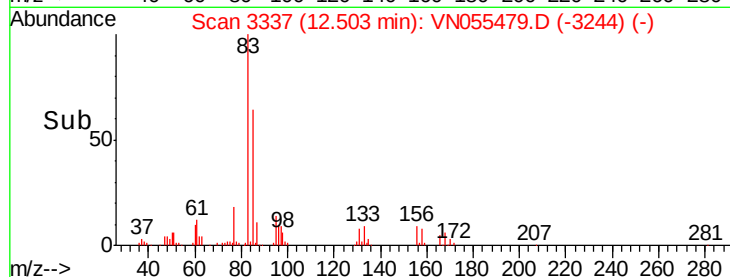
85 63.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN055479.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN055479.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN055479.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 16.233 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055479.D

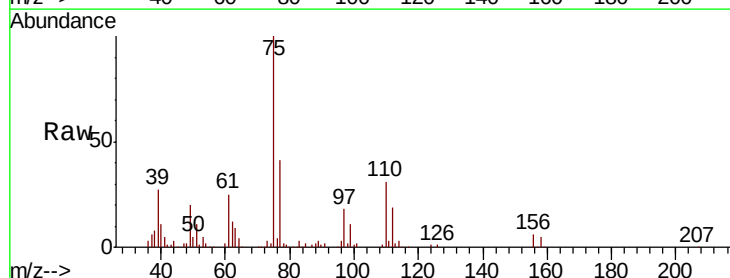
Acq: 8 May 2019 16:59

Tgt Ion: 75 Resp: 156672

Ion Ratio Lower Upper

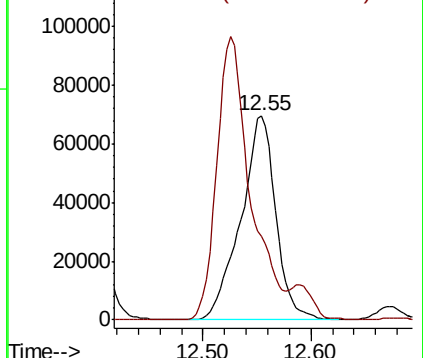
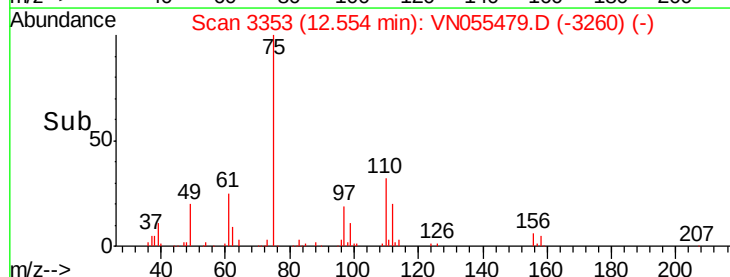
75 100

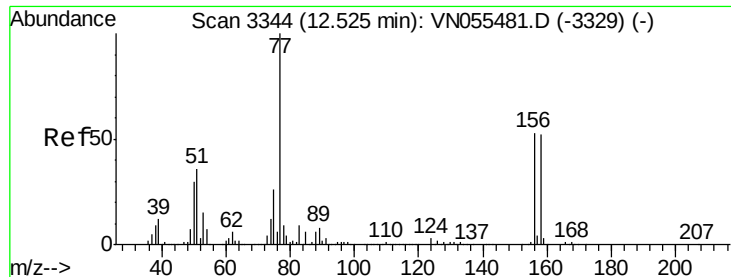
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055479.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055479.D (-3260) (-)





#77

Bromobenzene

Concen: 10.063 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

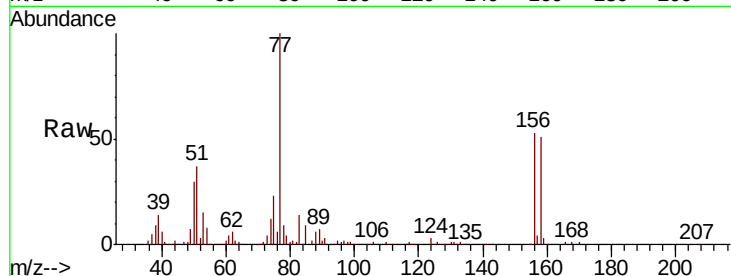
Tot Ion:156 Resp: 92355

Ion Ratio Lower Upper

156 100

77 225.9 115.4 346.2

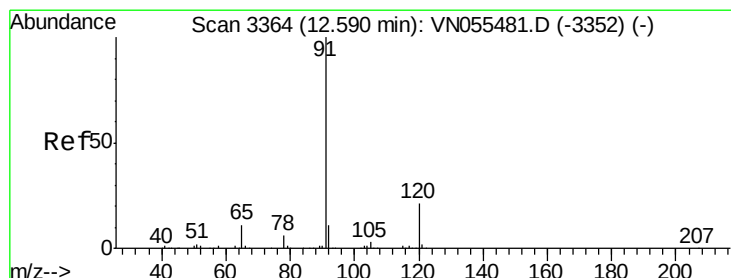
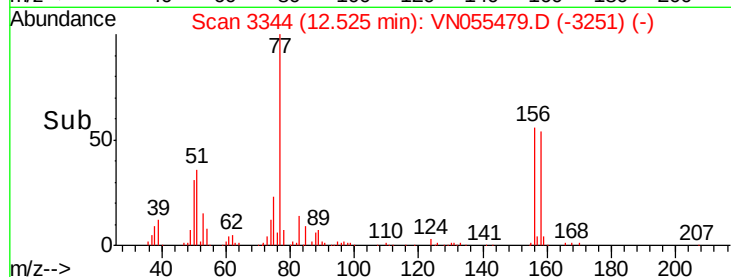
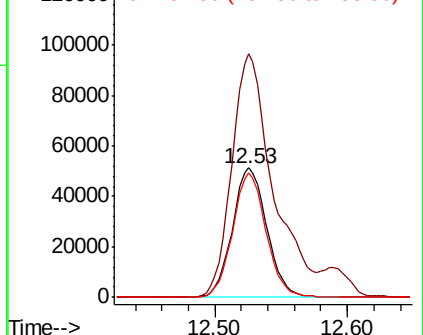
158 93.1 48.7 146.1



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: 10.626 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055479.D

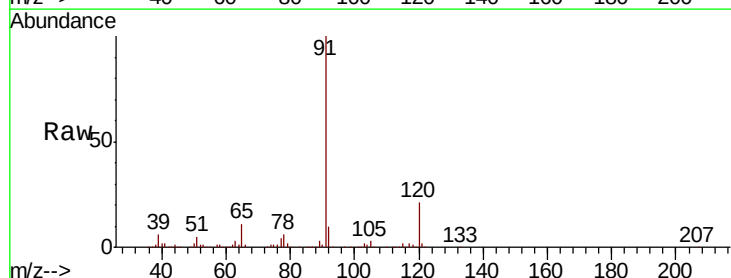
Acq: 8 May 2019 16:59

Tgt Ion: 91 Resp: 446348

Ion Ratio Lower Upper

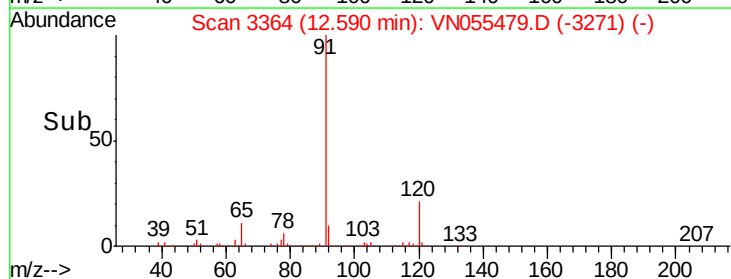
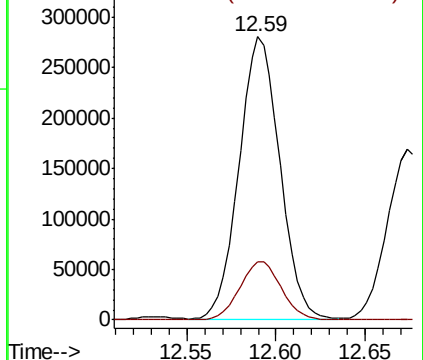
91 100

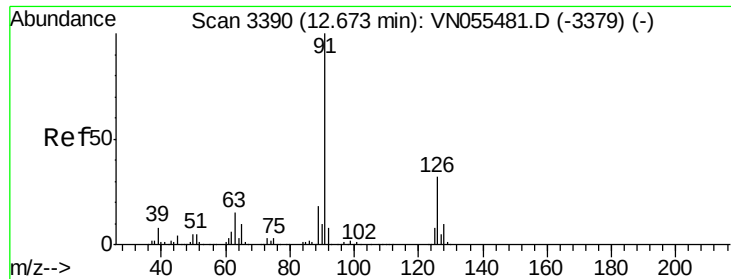
120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.461 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

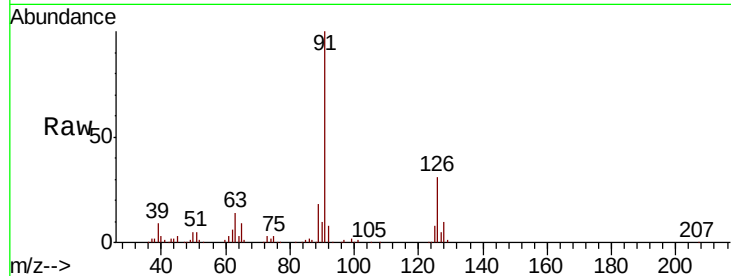
VSTDIC010

Tot Ion: 91 Resp: 281018

Ion Ratio Lower Upper

91 100

126 31.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)

250000

200000

150000

100000

50000

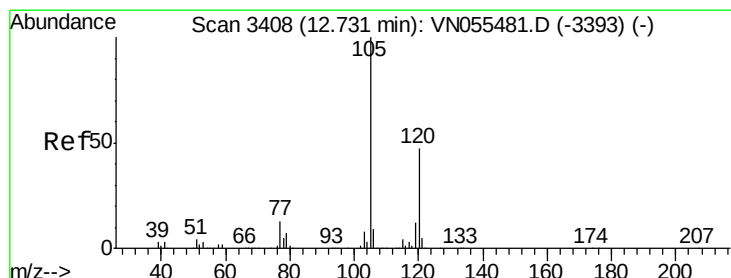
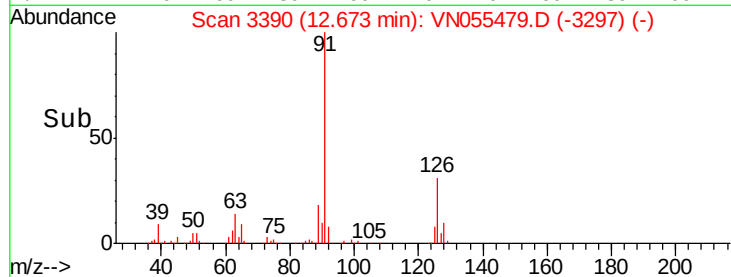
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.293 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055479.D

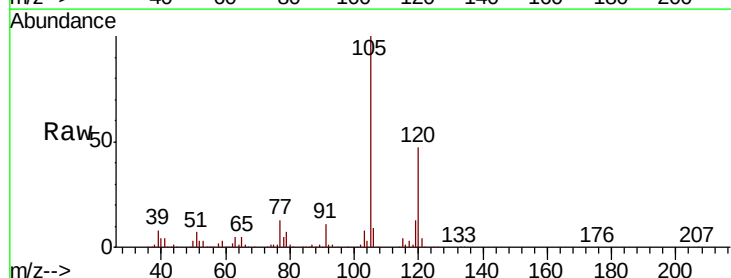
Acq: 8 May 2019 16:59

Tgt Ion:105 Resp: 330481

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)

200000

150000

100000

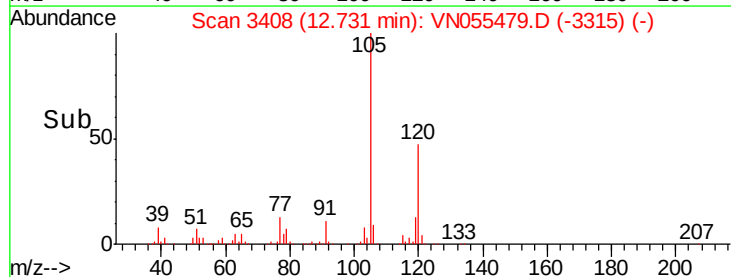
50000

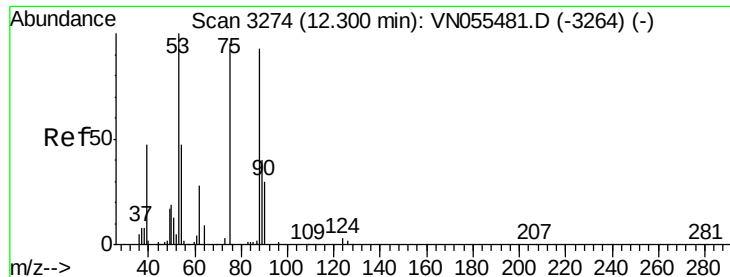
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 12.981 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

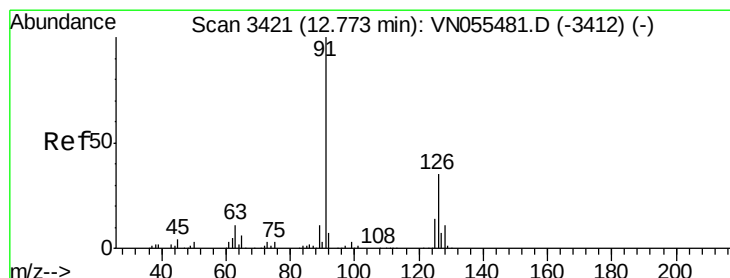
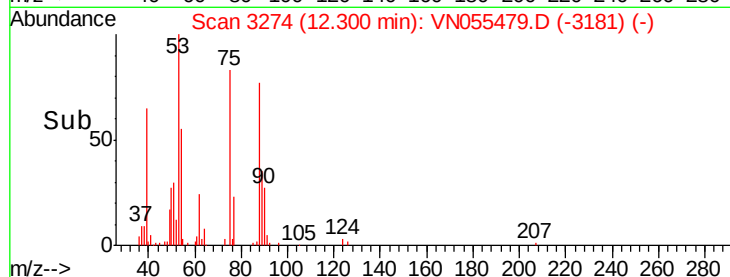
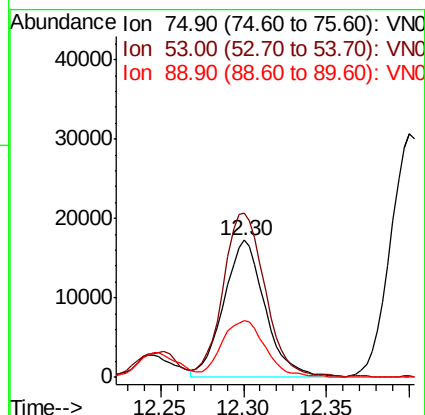
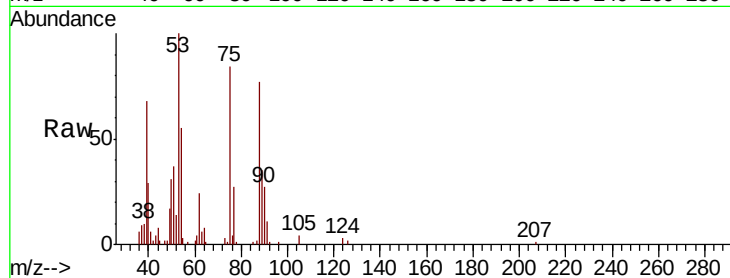
Tot Ion: 75 Resp: 30031

Ion Ratio Lower Upper

75 100

53 122.3 86.5 129.7

89 43.9 35.7 53.5



#82

4-Chlorotoluene

Concen: 10.602 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055479.D

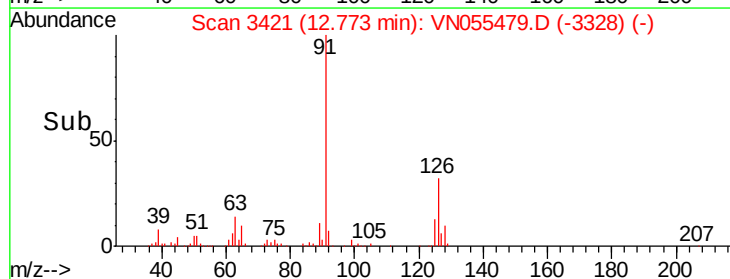
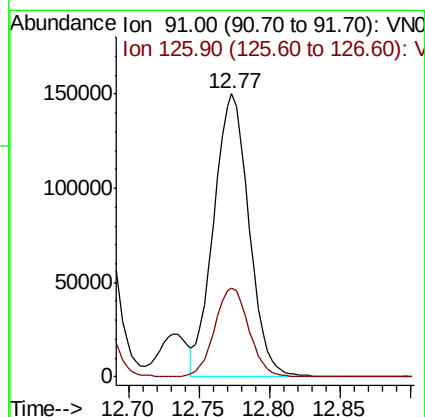
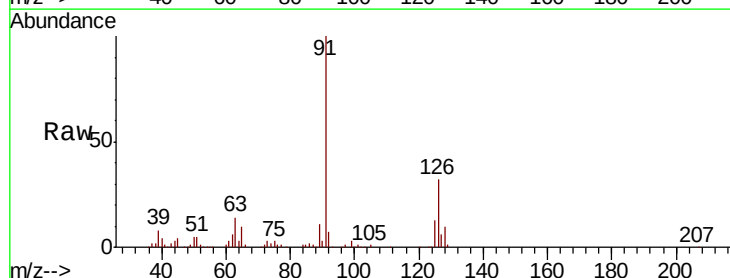
Acq: 8 May 2019 16:59

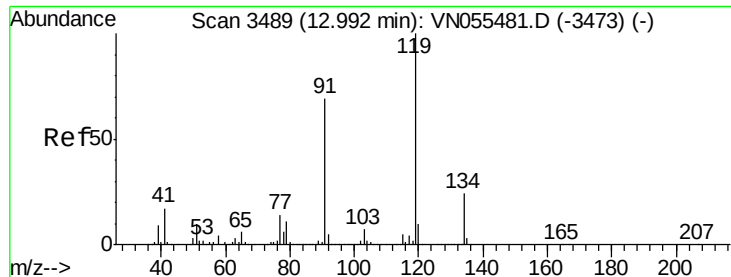
Tgt Ion: 91 Resp: 259869

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.0

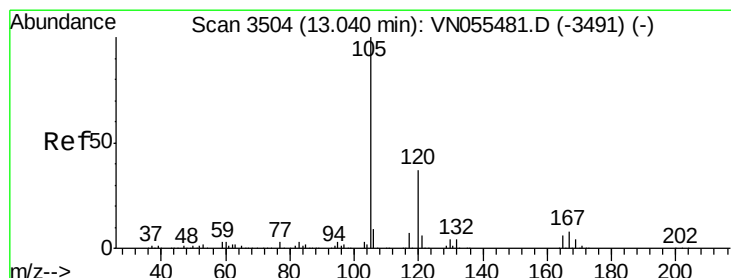
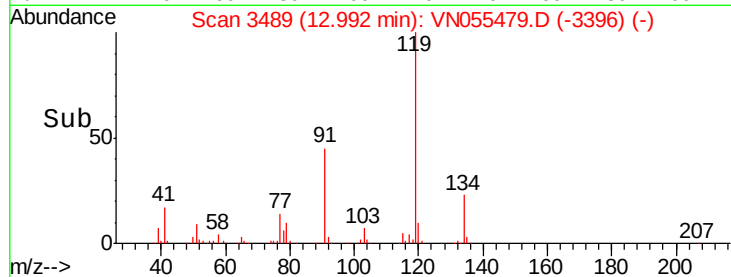
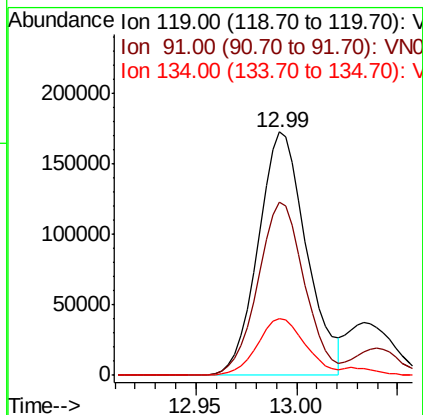
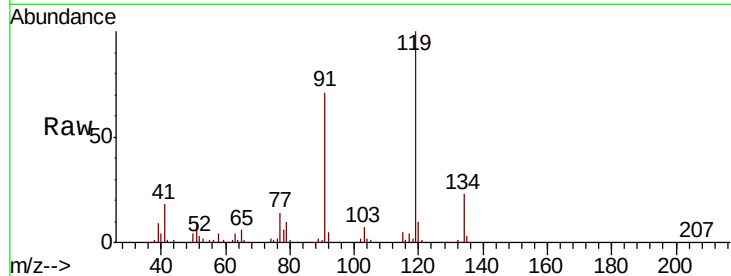




#83
 tert-Butylbenzene
 Concen: 10.002 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

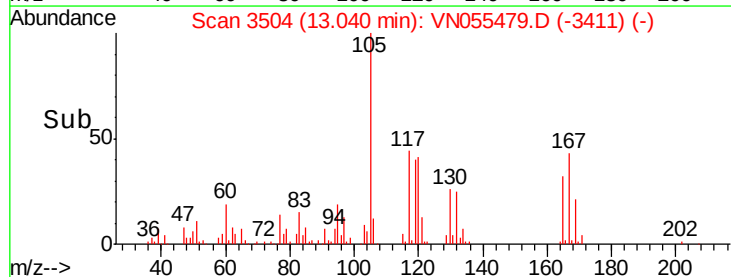
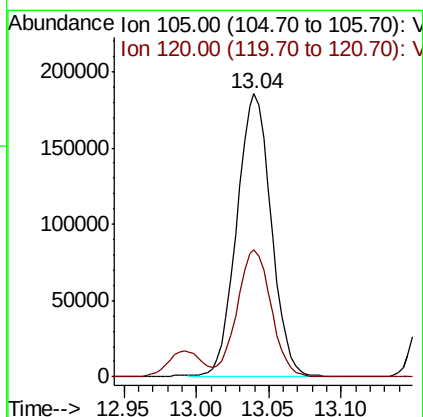
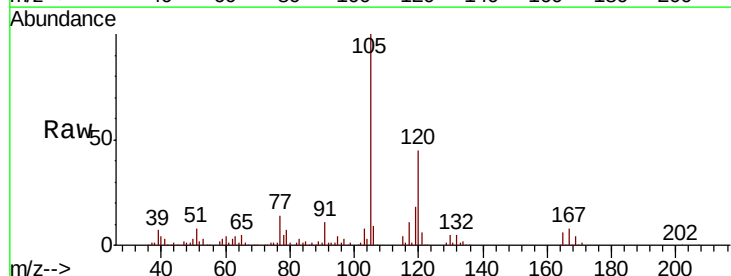
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

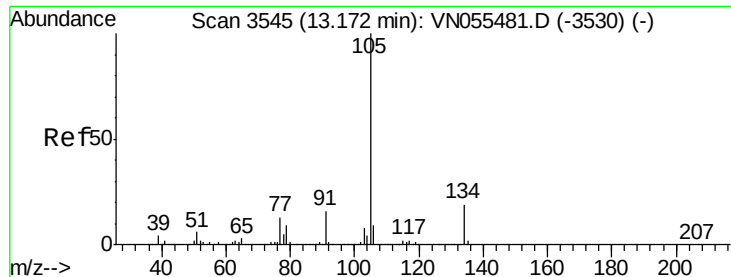
Tot Ion:119 Resp: 286934
 Ion Ratio Lower Upper
 119 100
 91 68.9 33.8 101.3
 134 23.2 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 10.639 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion:105 Resp: 305417
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 10.838 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampled :

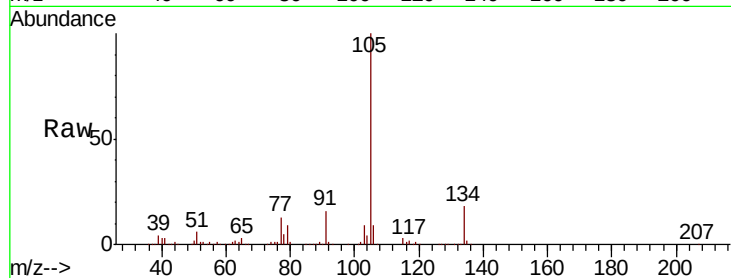
VSTDIC010

Tot Ion:105 Resp: 379524

Ion Ratio Lower Upper

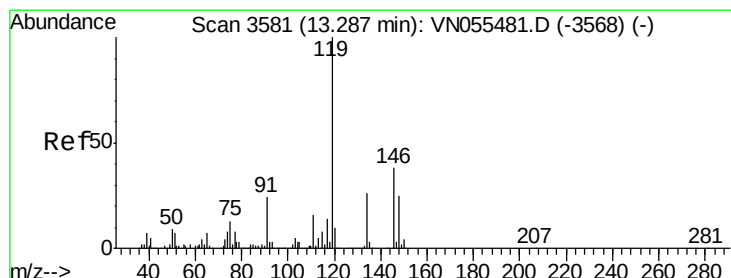
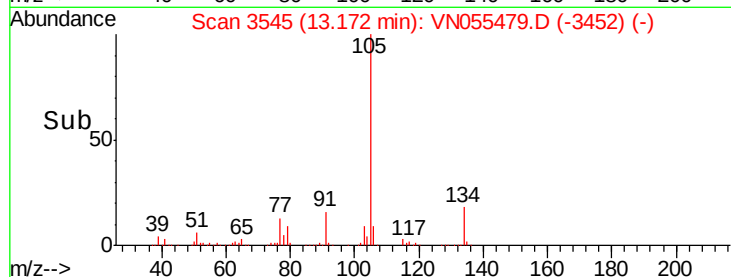
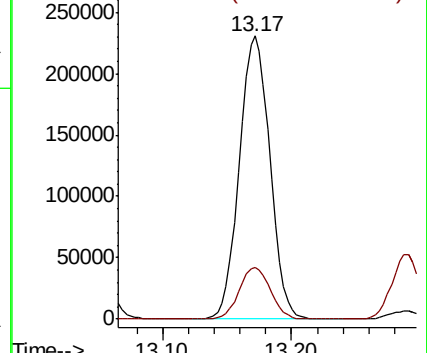
105 100

134 18.6 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: 10.671 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

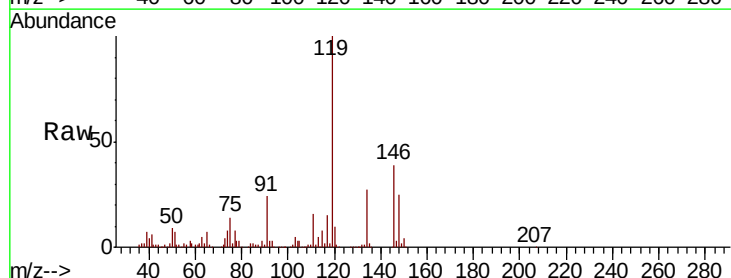
Tgt Ion:119 Resp: 306676

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.4

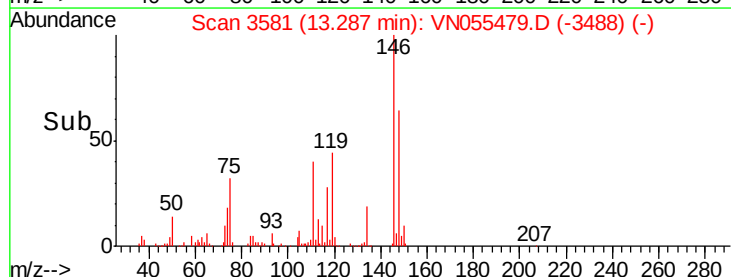
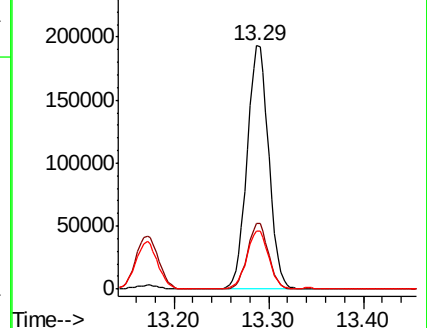
91 24.2 12.0 36.0

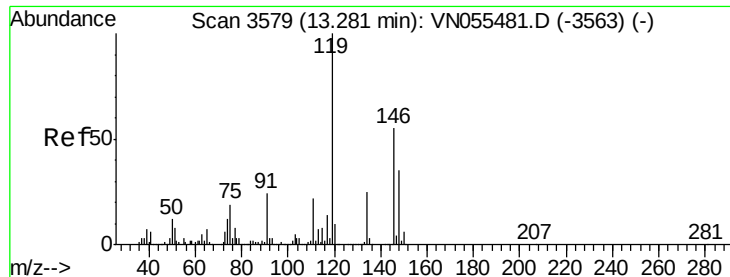


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 10.322 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

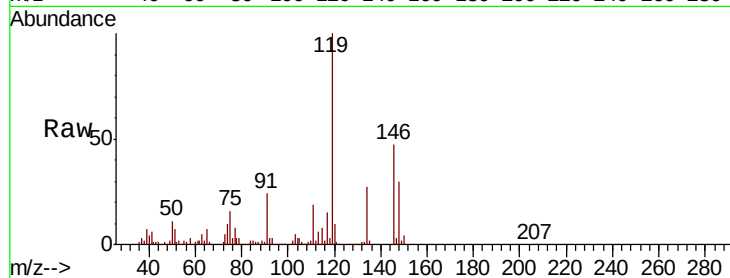
Tot Ion:146 Resp: 141097

Ion Ratio Lower Upper

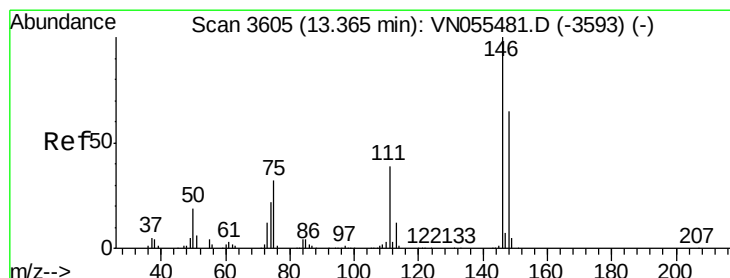
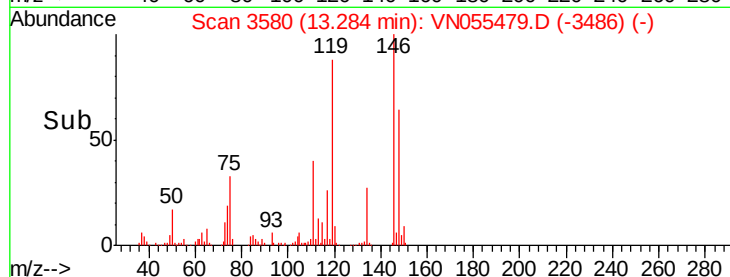
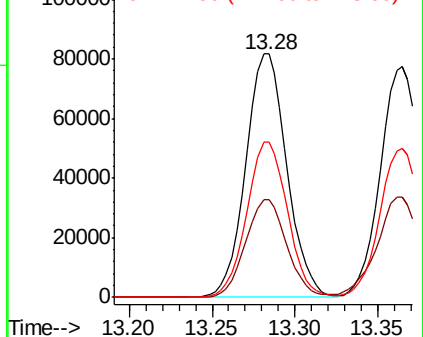
146 100

111 40.1 20.4 61.3

148 63.4 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: 10.394 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

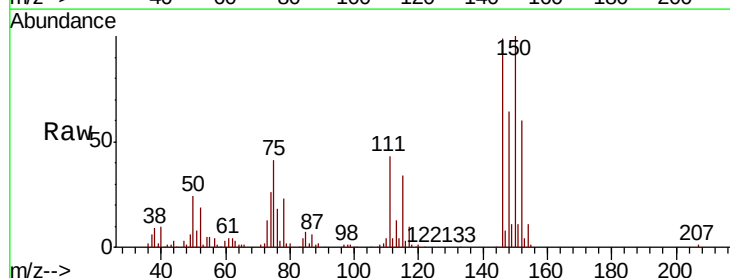
Tgt Ion:146 Resp: 133881

Ion Ratio Lower Upper

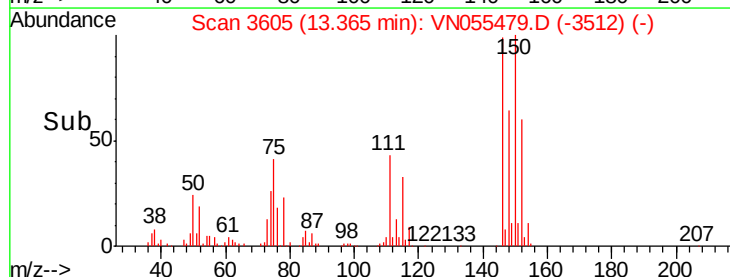
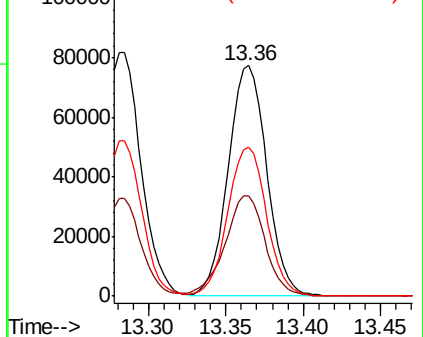
146 100

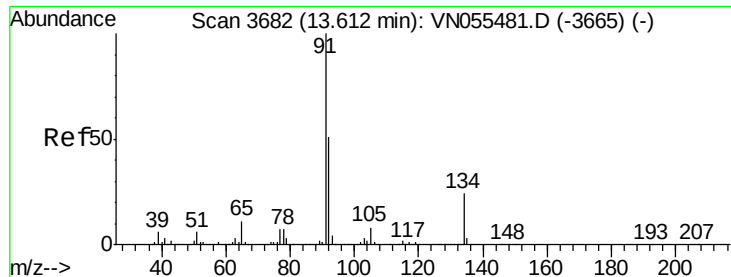
111 45.4 19.6 58.8

148 65.1 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: 10.834 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

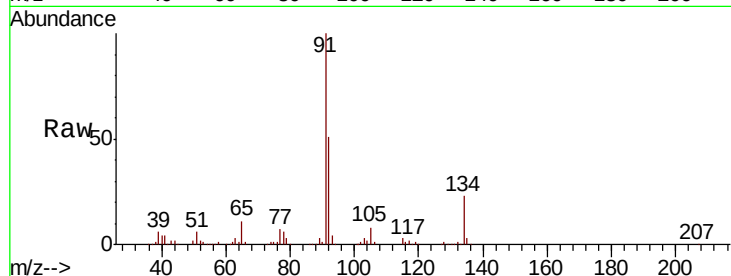
Tot Ion: 91 Resp: 224506

Ion Ratio Lower Upper

91 100

92 50.7 25.9 77.7

134 23.3 11.8 35.4

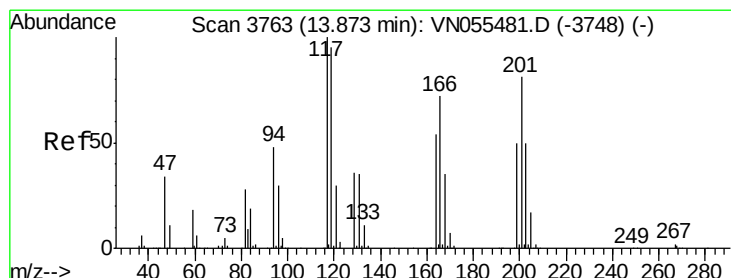
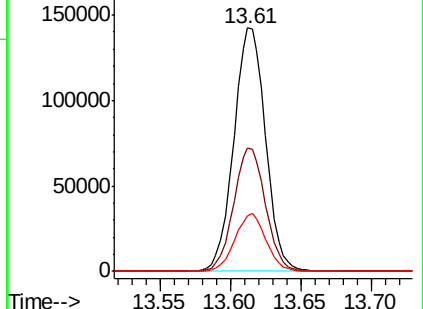
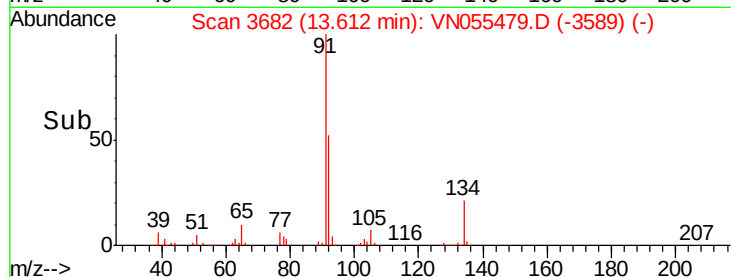


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

Time-->



#90

Hexachloroethane

Concen: 9.292 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055479.D

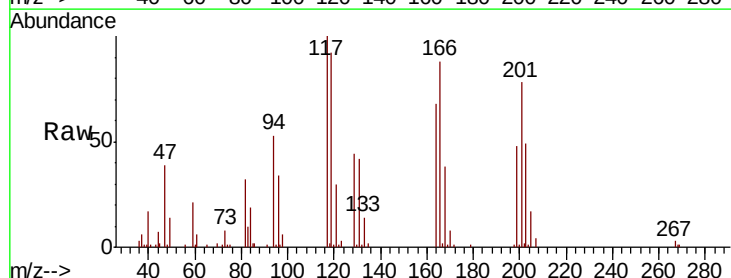
Acq: 8 May 2019 16:59

Tgt Ion: 117 Resp: 49652

Ion Ratio Lower Upper

117 100

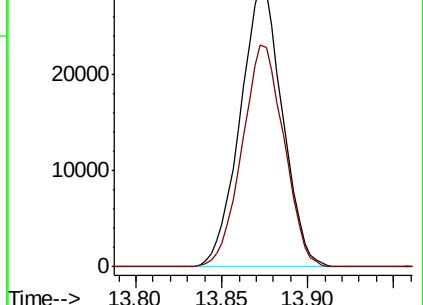
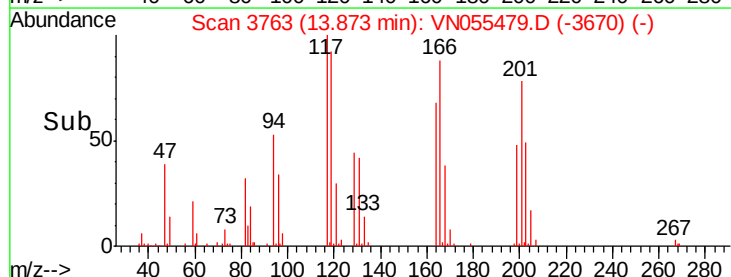
201 78.1 40.1 120.2

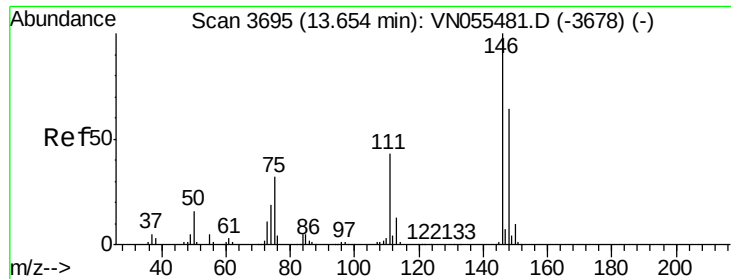


Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)

Time-->

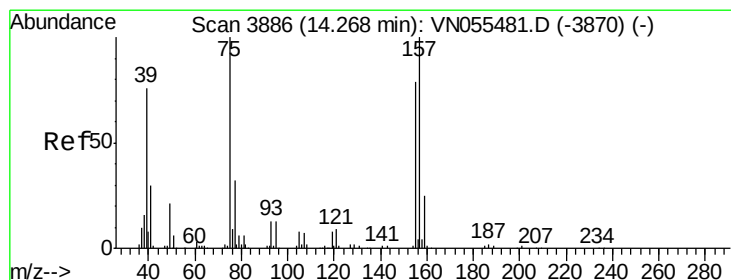
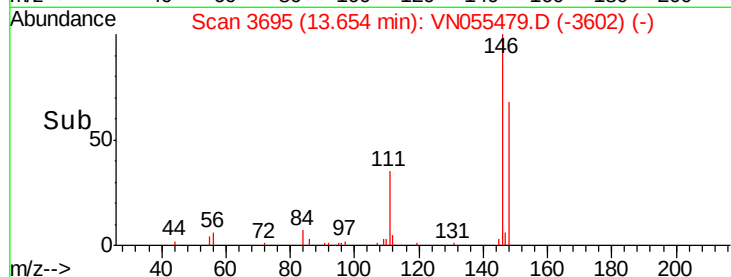
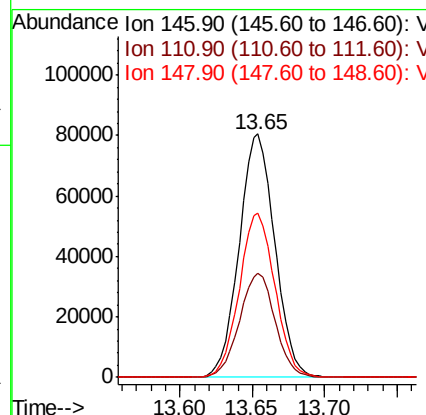
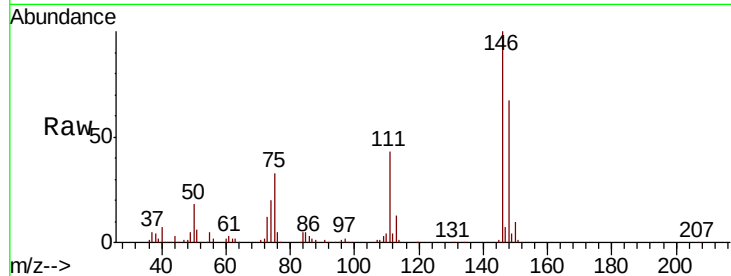




#91
 1,2-Dichlorobenzene
 Concen: 10.149 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

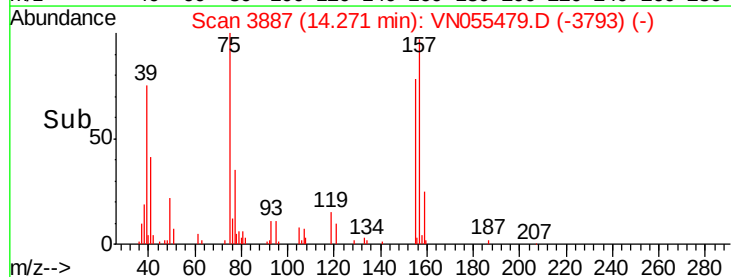
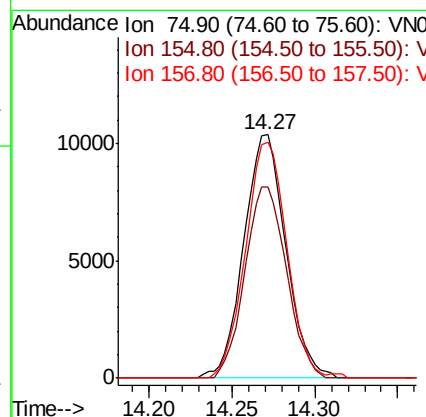
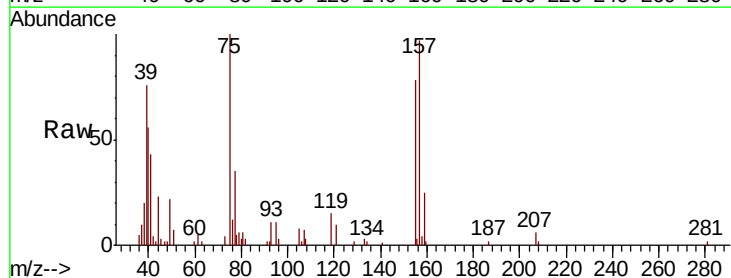
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

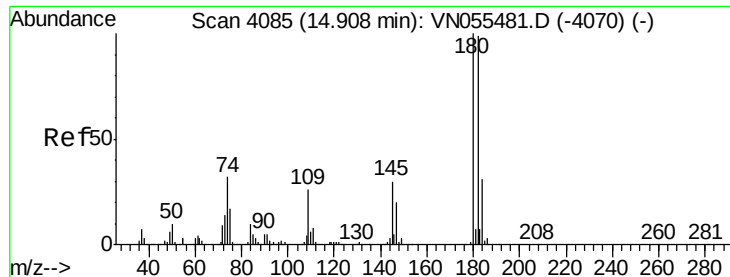
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.7
148	67.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.442 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	39.3	117.8
157	95.8	50.6	151.8

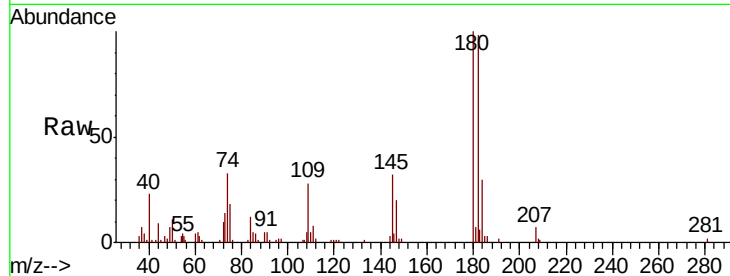




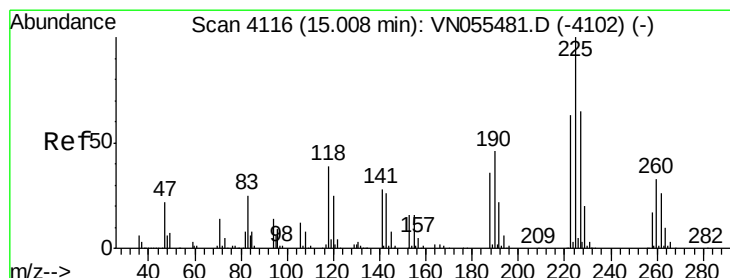
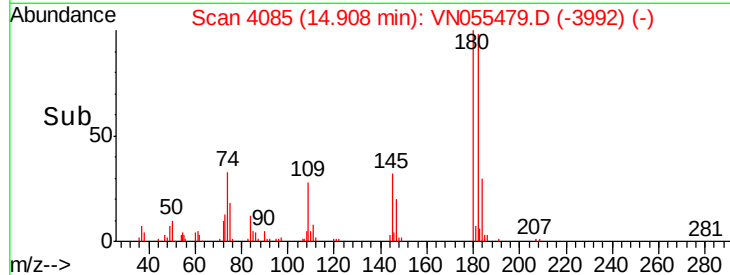
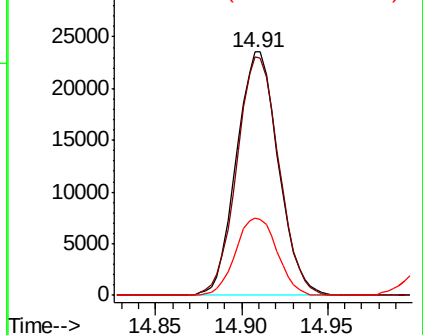
#93
 1,2,4-Trichlorobenzene
 Concen: 9.229 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.7	146.1
145	31.6	15.3	45.9

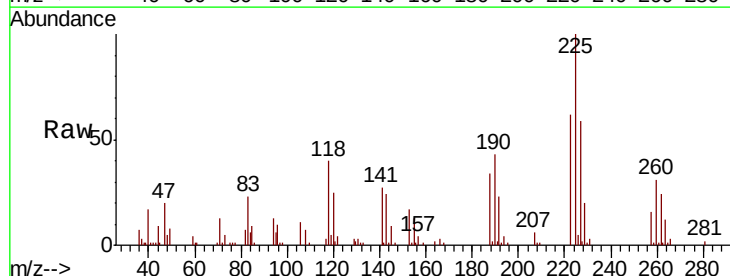


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

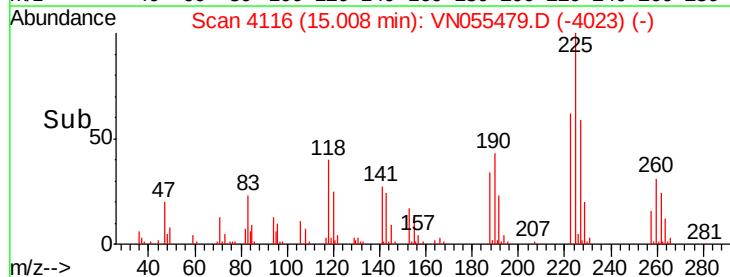
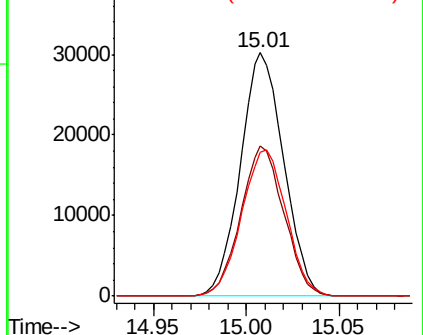


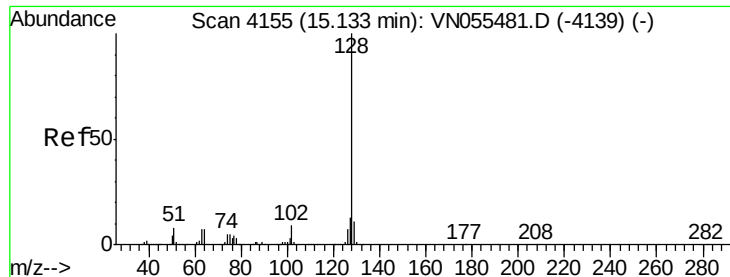
#94
 Hexachlorobutadiene
 Concen: 9.837 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055479.D
 Acq: 8 May 2019 16:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.3
227	61.9	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: 11.722 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

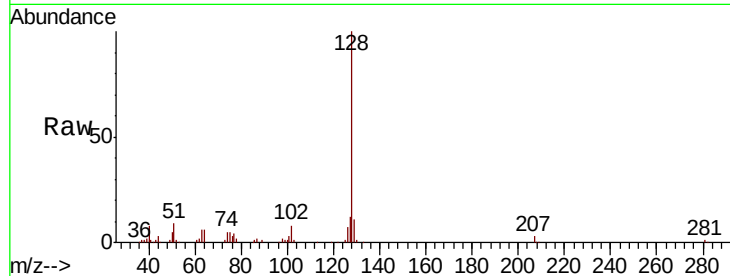
Tot Ion:128 Resp: 117752

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

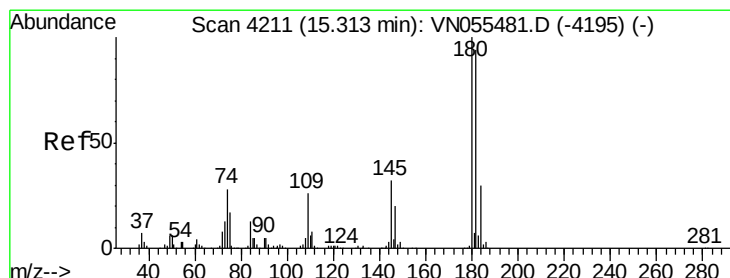
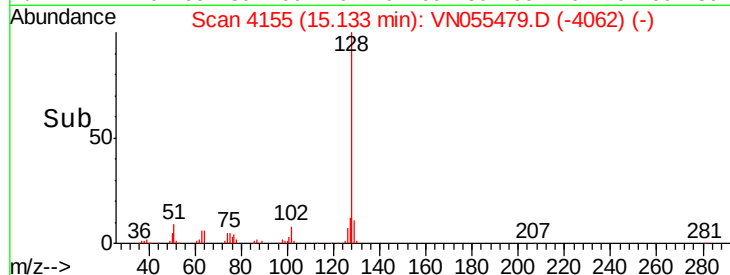
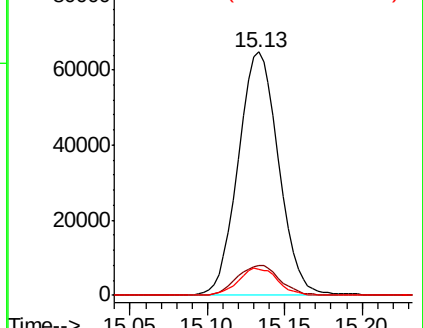
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.691 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055479.D

Acq: 8 May 2019 16:59

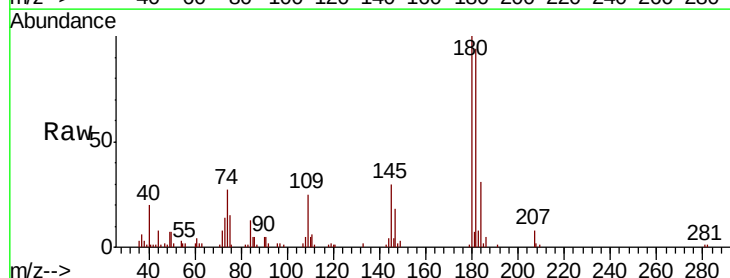
Tgt Ion:180 Resp: 48494

Ion Ratio Lower Upper

180 100

182 93.2 47.1 141.3

145 29.9 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

