

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055771.D
 Acq On : 23 May 2019 22:37
 Operator : JC/SP
 Sample : VN0523MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBS01

Quant Time: May 24 06:53:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	392305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	543678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	191505	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
35) Dibromofluoromethane	7.59	113	173120	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.09	98	659070	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.40	95	217898	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	47103	17.840	ug/l	100
3) Chloromethane	2.06	50	66038	17.852	ug/l	97
4) Vinyl Chloride	2.19	62	71607	18.149	ug/l	99
5) Bromomethane	2.54	94	47639	19.299	ug/l	99
6) Chloroethane	2.69	64	45357	19.094	ug/l	99
7) Trichlorofluoromethane	3.01	101	98790	19.098	ug/l	100
8) Diethyl Ether	3.40	74	43574	18.794	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59806	18.521	ug/l	97
10) Methyl Iodide	3.94	142	95012	20.126	ug/l	99
11) Tert butyl alcohol	4.82	59	83932	108.427	ug/l	99
12) 1,1-Dichloroethene	3.72	96	62255	18.659	ug/l	98
13) Acrolein	3.60	56	46816	84.463	ug/l	99
14) Allyl chloride	4.31	41	103618	18.116	ug/l	99
15) Acrylonitrile	4.99	53	169890	95.577	ug/l	99
16) Acetone	3.82	43	137692	77.315	ug/l	100
17) Carbon Disulfide	4.04	76	167061	17.624	ug/l	100
18) Methyl Acetate	4.33	43	72792	19.330	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	213763	19.210	ug/l	99
20) Methylene Chloride	4.55	84	71855	18.630	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	67359	18.792	ug/l	96
22) Diisopropyl ether	5.96	45	207846	18.684	ug/l	96
23) Vinyl Acetate	5.90	43	881431	92.413	ug/l	99
24) 1,1-Dichloroethane	5.85	63	119125	18.392	ug/l	100
25) 2-Butanone	6.84	43	224194	90.140	ug/l	99
26) 2,2-Dichloropropane	6.82	77	82761	14.764	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	79340	18.972	ug/l	96
28) Bromochloromethane	7.19	49	60548	19.634	ug/l	93
29) Tetrahydrofuran	7.22	42	152047	96.534	ug/l	98
30) Chloroform	7.37	83	123369	19.099	ug/l	100
31) Cyclohexane	7.65	56	113795	18.713	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	109537	19.003	ug/l	99
36) 1,1-Dichloropropene	7.79	75	90605	19.123	ug/l	100
37) Ethyl Acetate	6.93	43	92490	20.198	ug/l	99
38) Carbon Tetrachloride	7.77	117	98293	19.917	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	113507	19.346	ug/l	97
40) Benzene	8.04	78	285064	19.964	ug/l	99
41) Methacrylonitrile	7.18	41	44848	19.386	ug/l	96
42) 1,2-Dichloroethane	8.12	62	92222	19.765	ug/l	100
43) Isopropyl Acetate	8.17	43	147177	19.129	ug/l	93
44) Trichloroethene	8.83	130	82468	20.716	ug/l	99
45) 1,2-Dichloropropane	9.12	63	73460	19.746	ug/l	99
46) Dibromomethane	9.21	93	49528	20.300	ug/l	96
47) Bromodichloromethane	9.40	83	97317	19.452	ug/l	98
48) Methyl methacrylate	9.20	41	70314	19.830	ug/l	99
49) 1,4-Dioxane	9.21	88	30736	417.115	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	454625	100.049	ug/l	99
52) Toluene	10.16	92	181129	20.169	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98931	18.525	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	111994	18.931	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	72320	20.102	ug/l	98
56) Ethyl methacrylate	10.43	69	110847	19.936	ug/l	100
57) 1,3-Dichloropropane	10.71	76	115916	19.821	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	197291	92.848	ug/l	99
59) 2-Hexanone	10.75	43	307709	95.456	ug/l	100
60) Dibromochloromethane	10.90	129	83478	19.918	ug/l	100
61) 1,2-Dibromoethane	11.01	107	75257	20.167	ug/l	98
64) Tetrachloroethene	10.63	164	86978	21.267	ug/l	97
65) Chlorobenzene	11.43	112	195306	20.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	76150	19.669	ug/l	99
67) Ethyl Benzene	11.51	91	340510	19.560	ug/l	98
68) m/p-Xylenes	11.62	106	262584	39.900	ug/l	98
69) o-Xylene	11.95	106	129130	19.777	ug/l	99
70) Styrene	11.96	104	209392	19.803	ug/l	100
71) Bromoform	12.13	173	66293	20.074	ug/l #	100
73) Isopropylbenzene	12.25	105	342274	21.692	ug/l	99
74) N-amyl acetate	12.07	43	119179	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	100942	21.196	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	120381	32.616	ug/l #	100
77) Bromobenzene	12.53	156	90639	20.482	ug/l	95
78) n-propylbenzene	12.59	91	354284	19.656	ug/l	98
79) 2-Chlorotoluene	12.67	91	216733	20.837	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	282605	21.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27240	17.673	ug/l	95
82) 4-Chlorotoluene	12.77	91	205482	19.394	ug/l	99
83) tert-Butylbenzene	12.99	119	251635	21.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	281935	21.404	ug/l	98
85) sec-Butylbenzene	13.17	105	313466	21.088	ug/l	99
86) p-Isopropyltoluene	13.29	119	287231	19.944	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141115	20.138	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	133663	20.063	ug/l	99
89) n-Butylbenzene	13.61	91	210998	19.121	ug/l	99
90) Hexachloroethane	13.87	117	53523	19.525	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	140069	20.035	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17531	19.078	ug/l	93

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

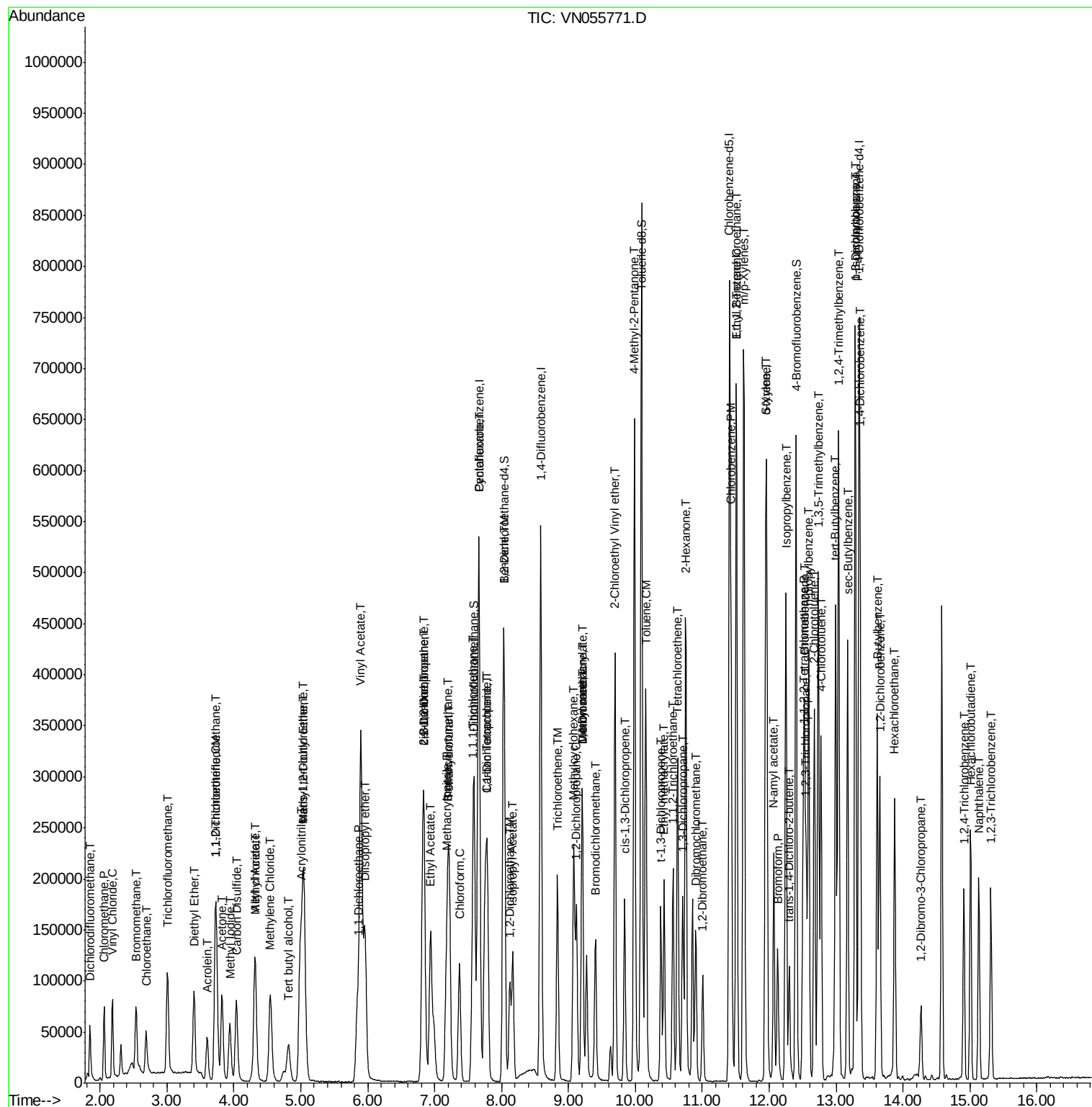
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68401	19.405	ug/l	98
94) Hexachlorobutadiene	15.01	225	56848	22.086	ug/l	98
95) Naphthalene	15.13	128	181977	18.969	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	74713	20.217	ug/l	98

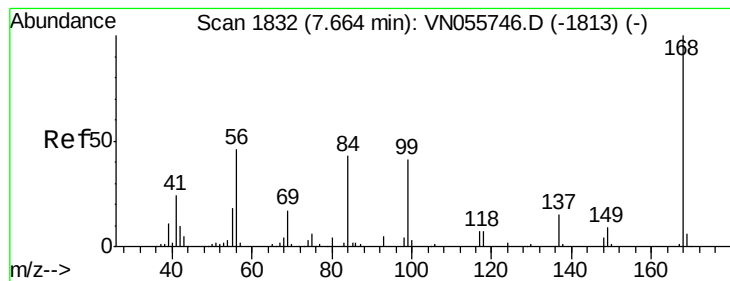
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
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Quant Time: May 24 06:53:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

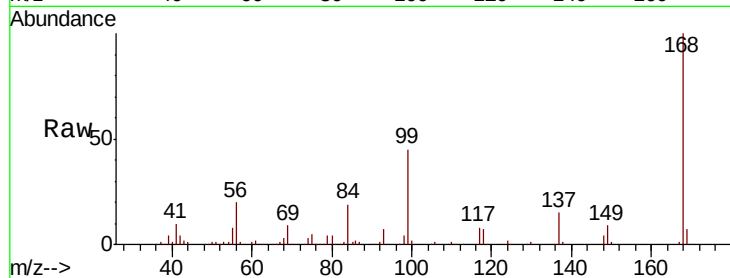
VN0523MBS01

Tot Ion:168 Resp: 392305

Ion Ratio Lower Upper

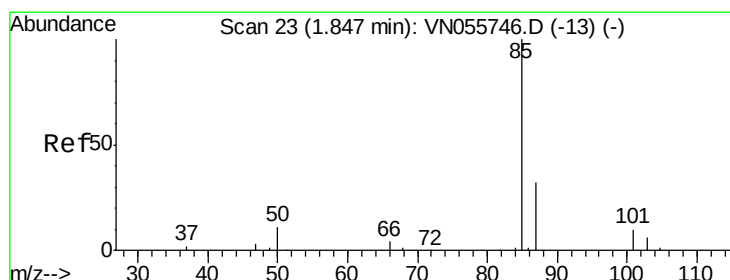
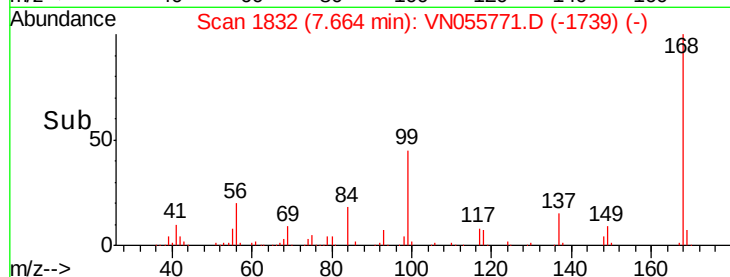
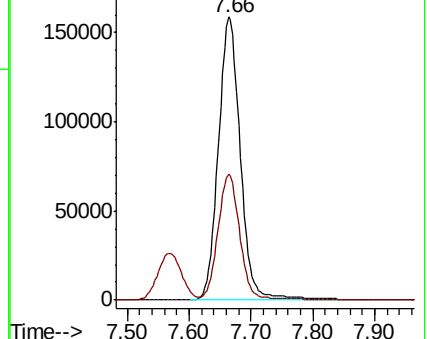
168 100

99 44.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.840 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055771.D

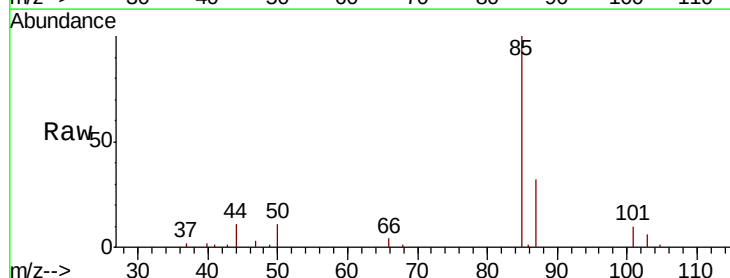
Acq: 23 May 2019 22:37

Tgt Ion: 85 Resp: 47103

Ion Ratio Lower Upper

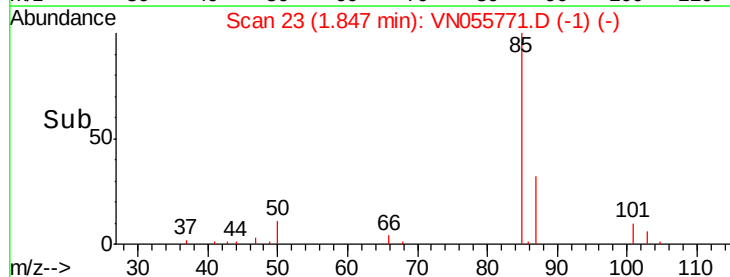
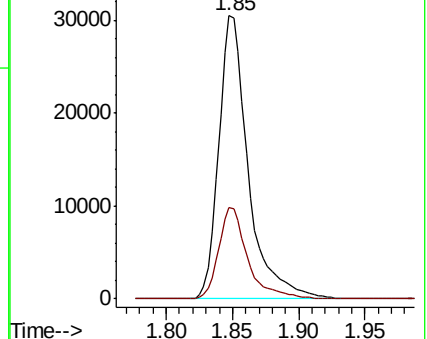
85 100

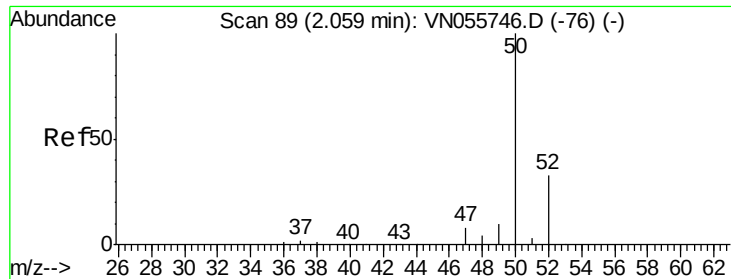
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

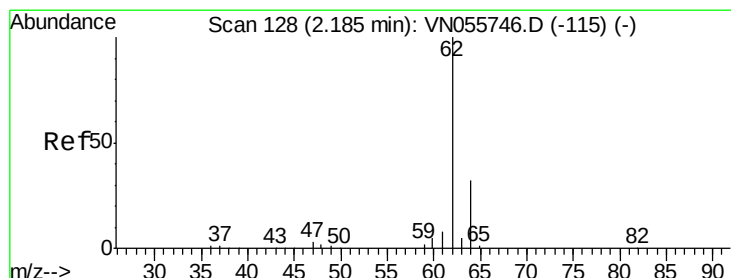
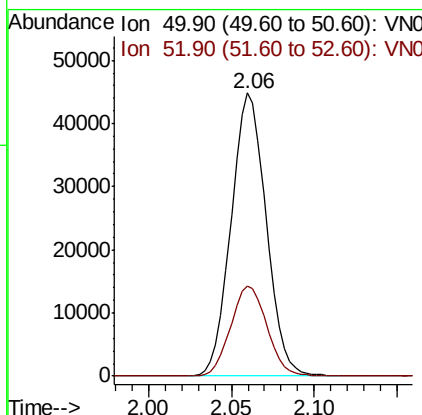
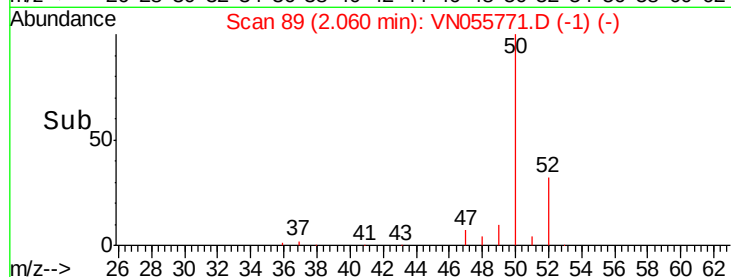
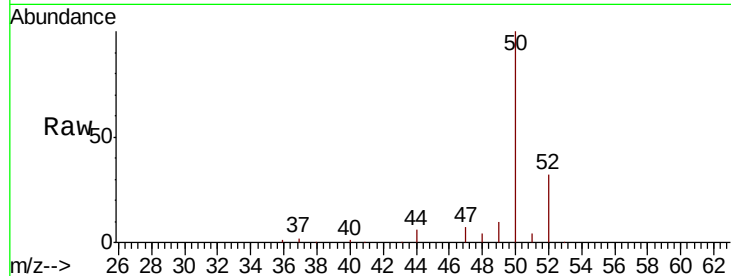




#3
Chloromethane
Concen: 17.852 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

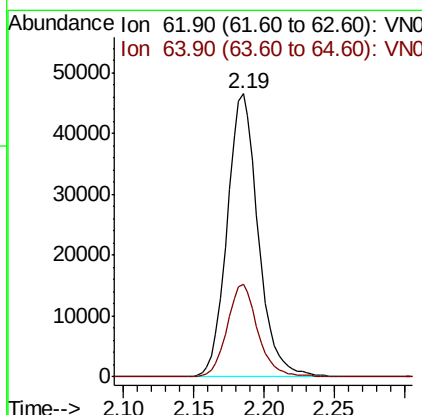
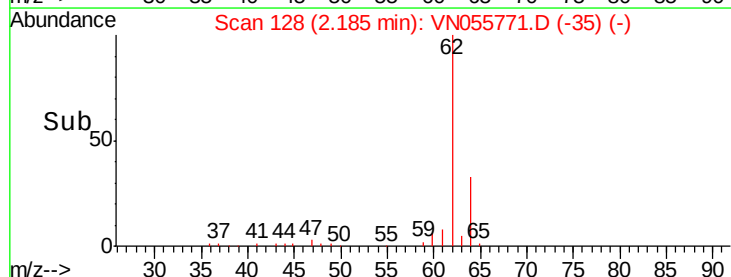
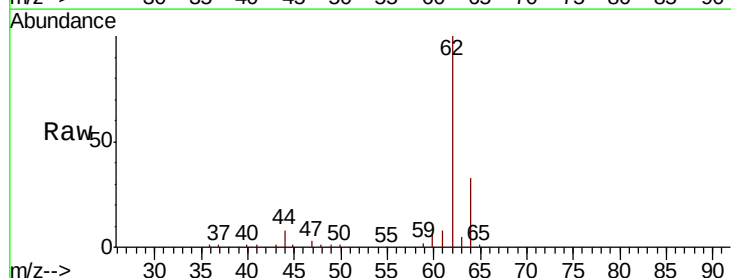
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

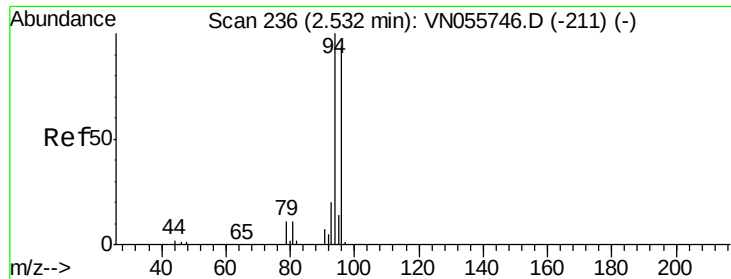
Tot Ion: 50 Resp: 66038
Ion Ratio Lower Upper
50 100
52 31.8 26.6 40.0



#4
Vinyl Chloride
Concen: 18.149 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 62 Resp: 71607
Ion Ratio Lower Upper
62 100
64 32.8 25.6 38.4





#5

Bromomethane

Concen: 19.299 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampled :

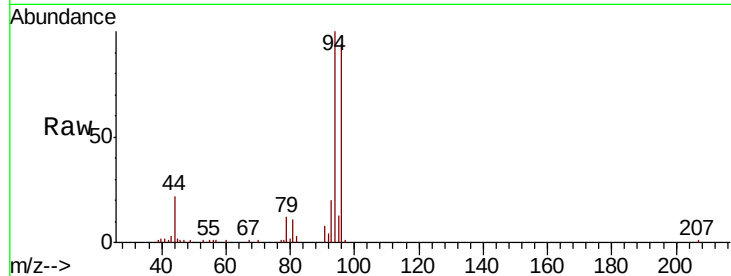
VN0523MBS01

Tot Ion: 94 Resp: 47639

Ion Ratio Lower Upper

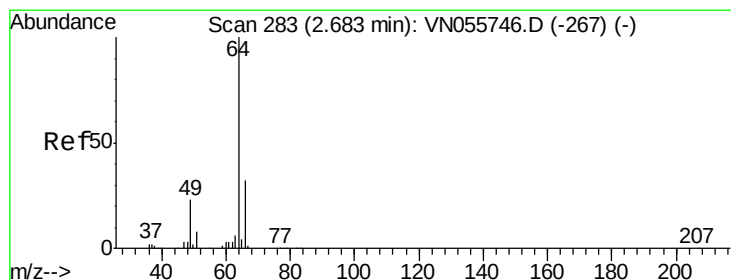
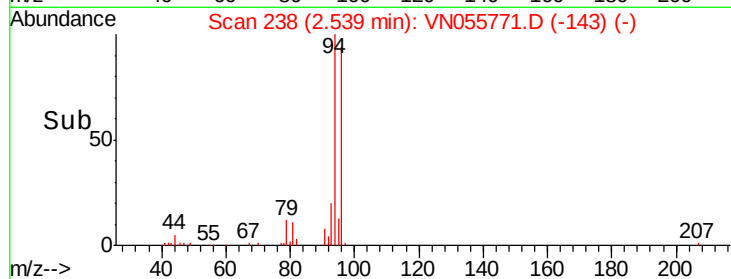
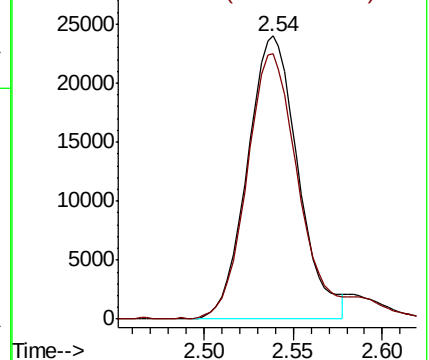
94 100

96 93.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.094 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055771.D

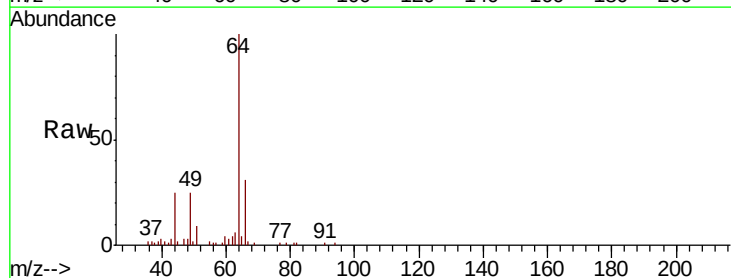
Acq: 23 May 2019 22:37

Tgt Ion: 64 Resp: 45357

Ion Ratio Lower Upper

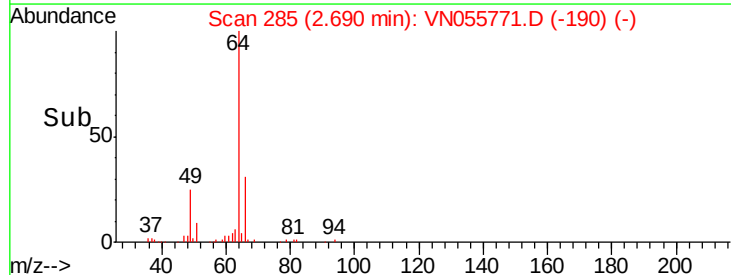
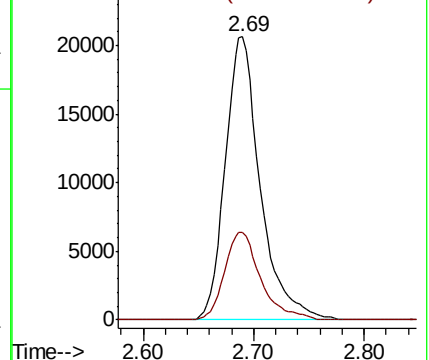
64 100

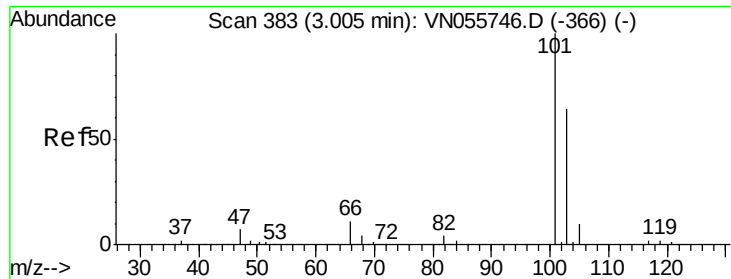
66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



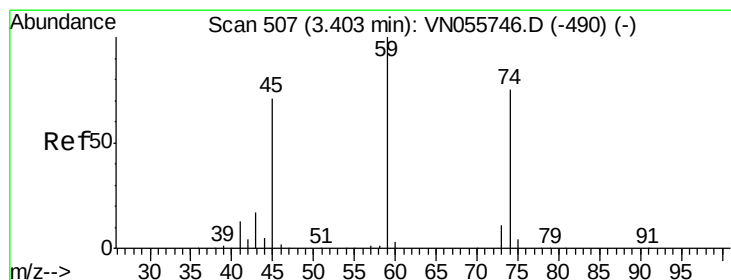
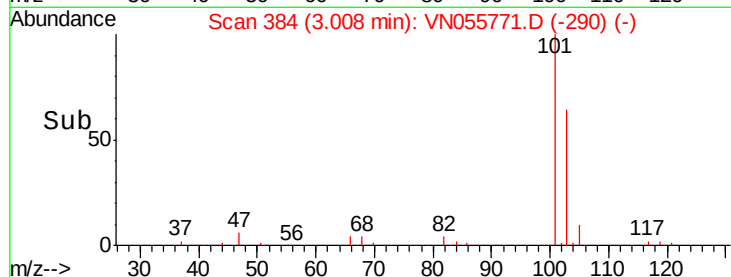
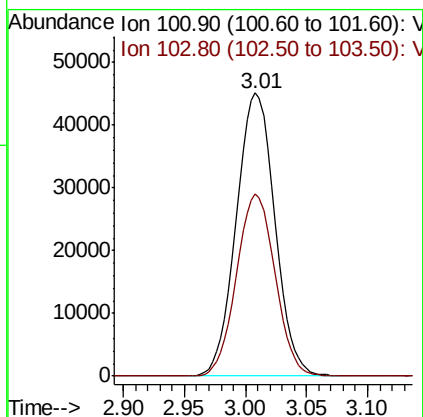
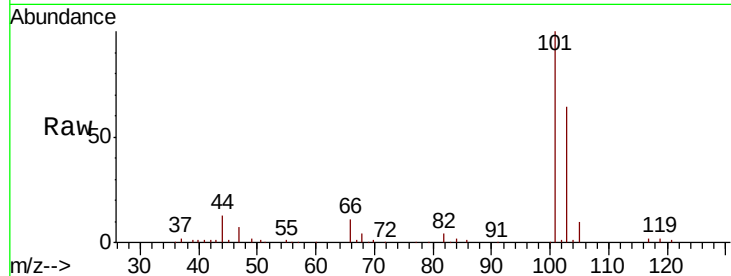


#7

Trichlorofluoromethane
 Concen: 19.098 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Instrument :
 MSVOA_N
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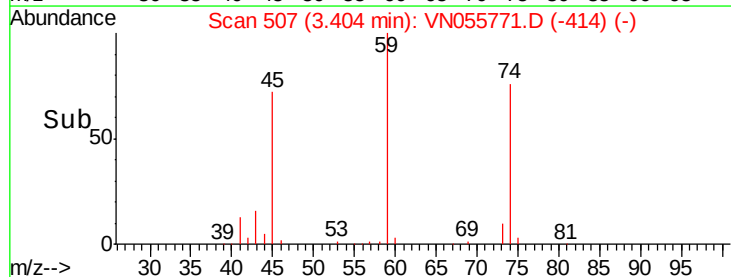
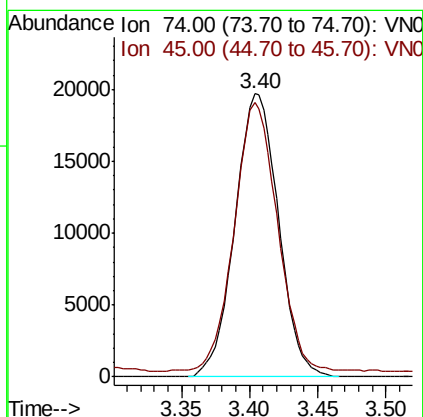
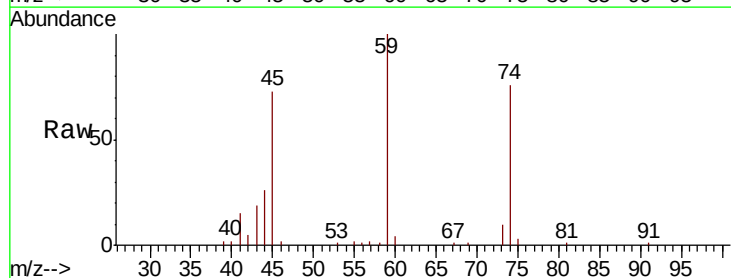
Tot Ion:101 Resp: 98790
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

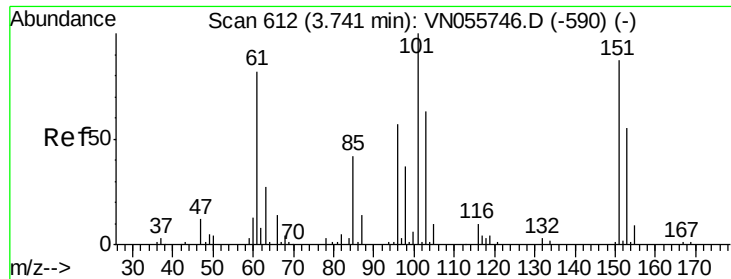


#8

Diethyl Ether
 Concen: 18.794 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion: 74 Resp: 43574
 Ion Ratio Lower Upper
 74 100
 45 93.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.521 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

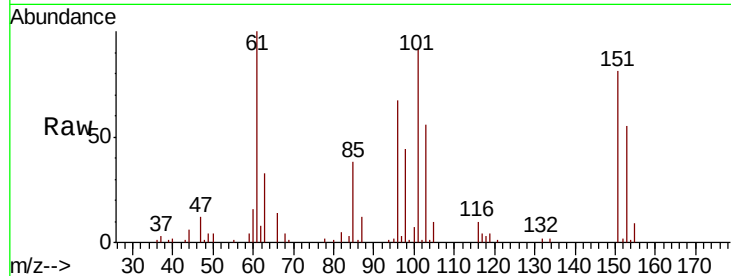
Tot Ion:101 Resp: 59806

Ion Ratio Lower Upper

101 100

85 42.2 33.4 50.2

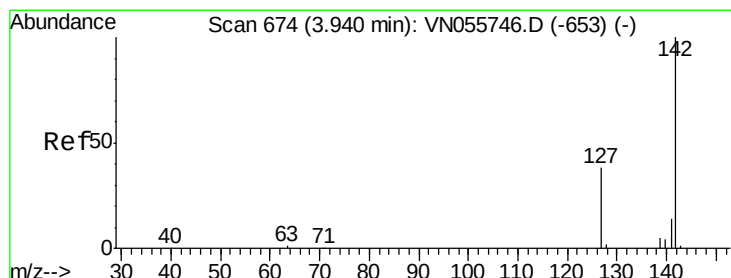
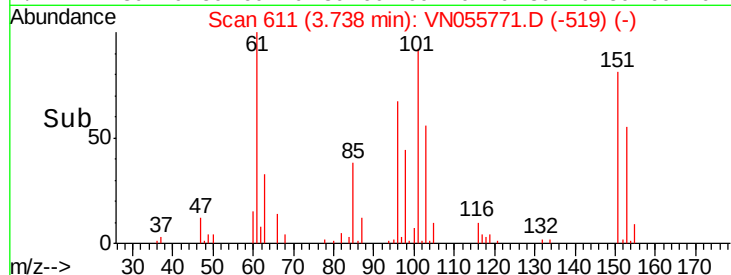
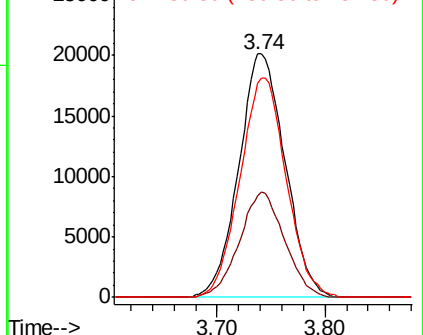
151 90.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.126 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

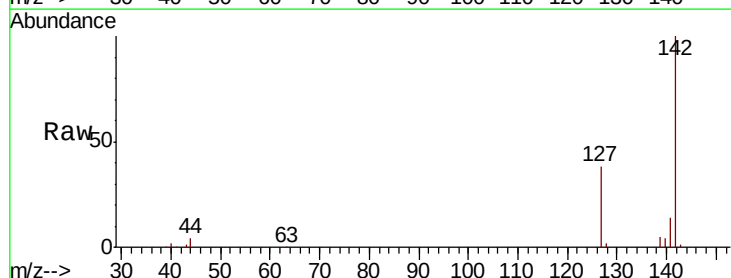
Tgt Ion:142 Resp: 95012

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

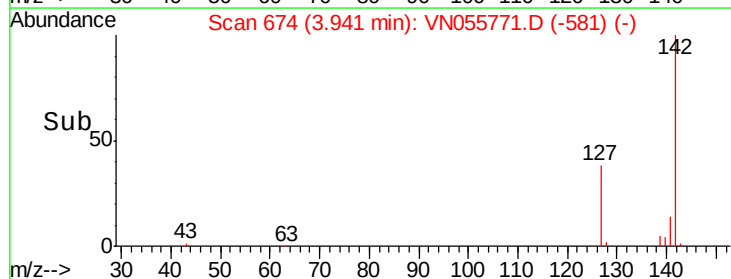
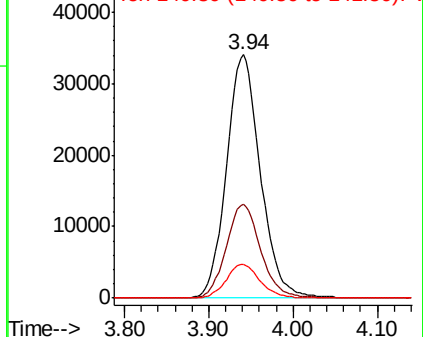
141 13.8 11.4 17.0

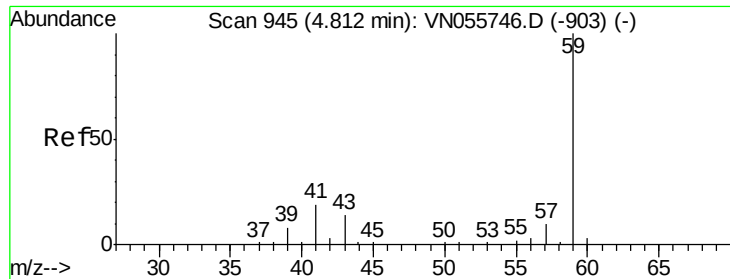


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

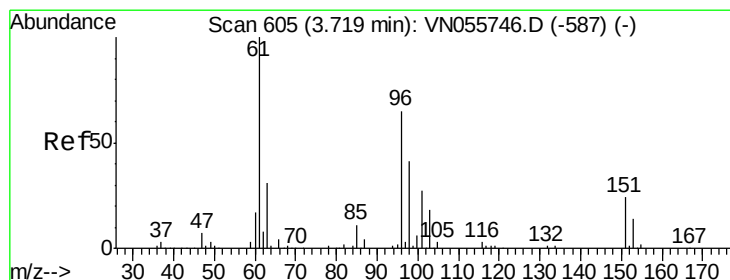
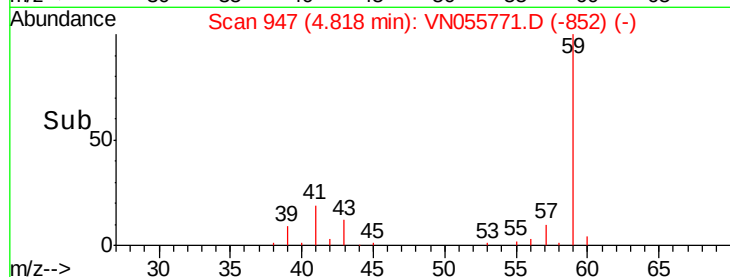
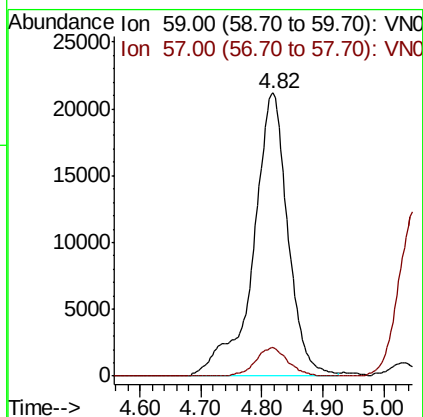
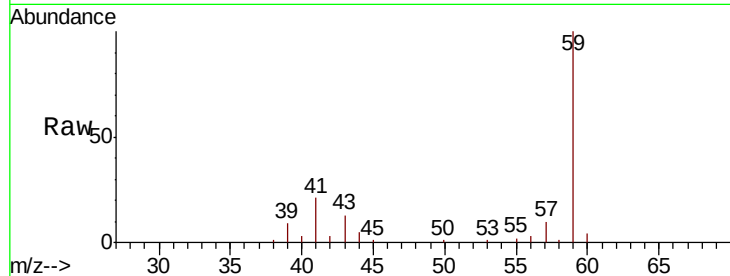




#11
Tert butyl alcohol
Concen: 108.427 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

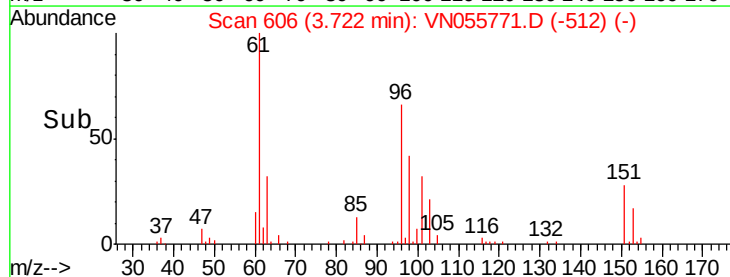
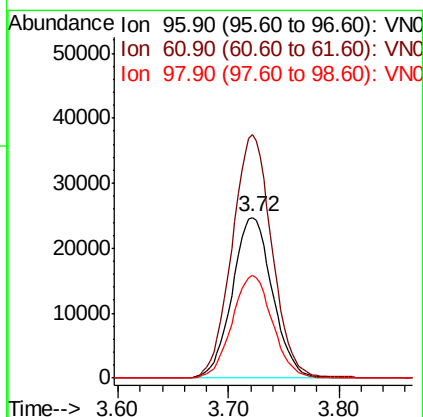
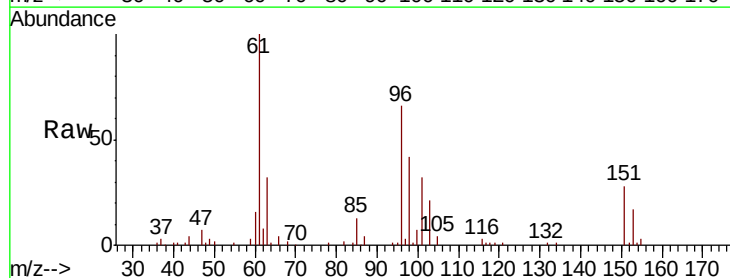
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

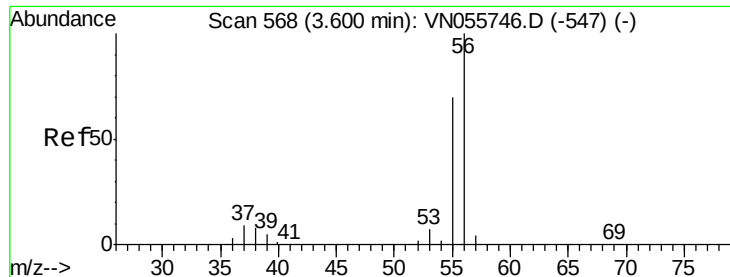
Tot Ion: 59 Resp: 83932
Ion Ratio Lower Upper
59 100
57 9.5 7.8 11.6



#12
1,1-Dichloroethene
Concen: 18.659 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 96 Resp: 62255
Ion Ratio Lower Upper
96 100
61 151.6 123.2 184.8
98 63.6 50.4 75.6





#13

Acrolein

Concen: 84.463 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

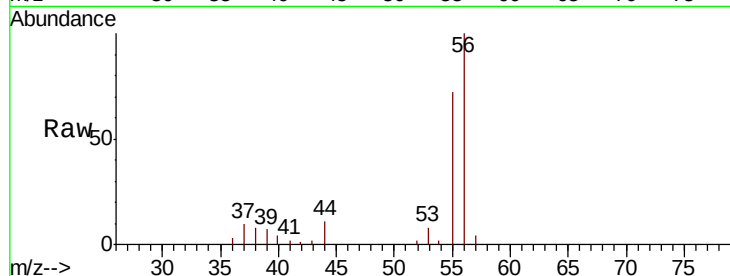
VN0523MBS01

Tot Ion: 56 Resp: 46816

Ion Ratio Lower Upper

56 100

55 70.2 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

5000

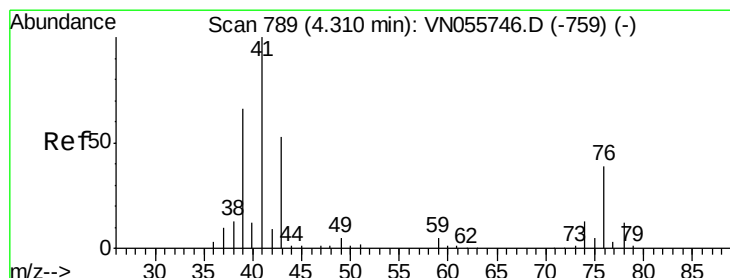
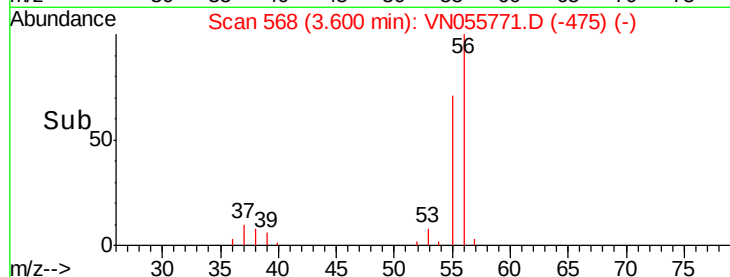
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.116 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

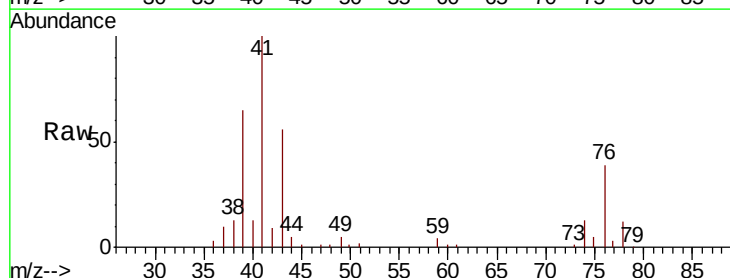
Tgt Ion: 41 Resp: 103618

Ion Ratio Lower Upper

41 100

39 62.7 50.0 75.0

76 34.3 28.2 42.2



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

40000

30000

20000

10000

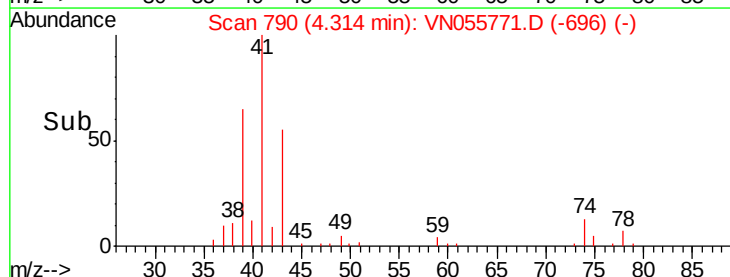
0

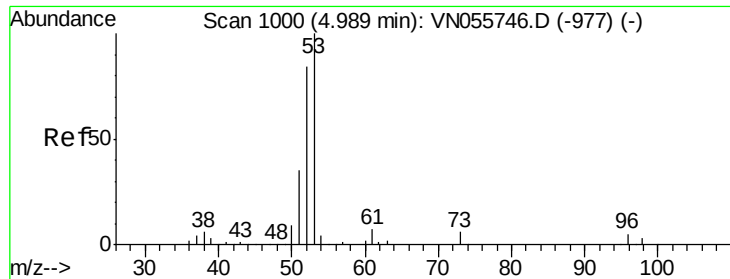
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 95.577 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

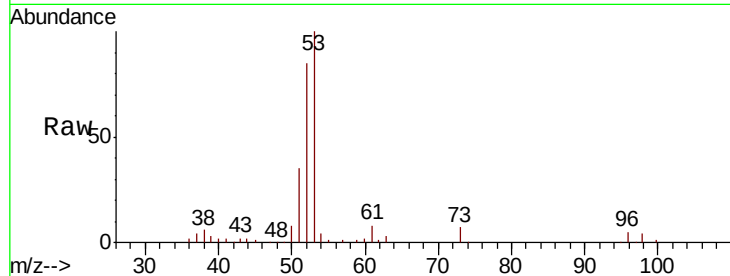
Tot Ion: 53 Resp: 169890

Ion Ratio Lower Upper

53 100

52 82.4 65.8 98.8

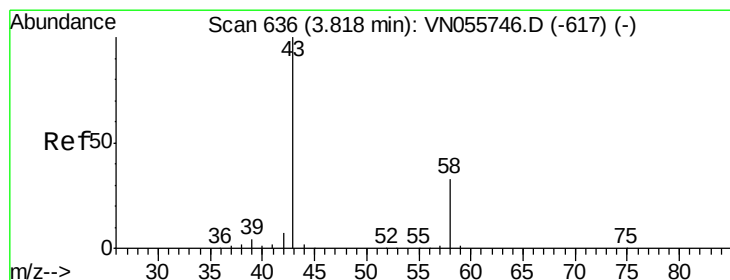
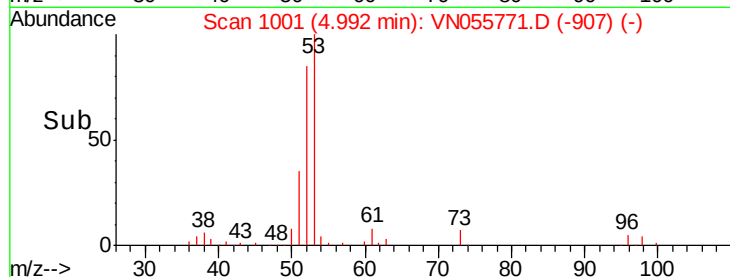
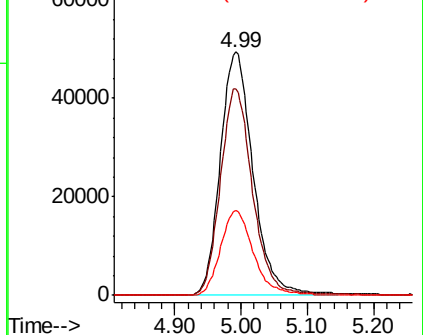
51 34.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055771.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055771.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055771.D (-907) (-)



#16

Acetone

Concen: 77.315 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055771.D

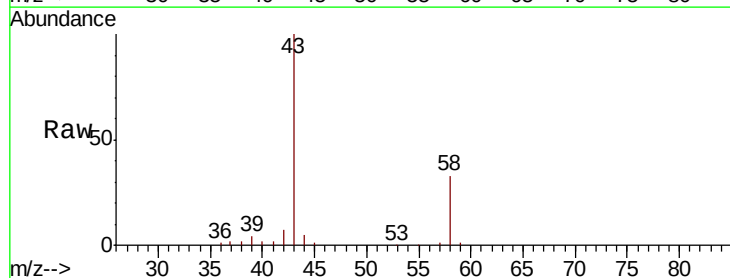
Acq: 23 May 2019 22:37

Tgt Ion: 43 Resp: 137692

Ion Ratio Lower Upper

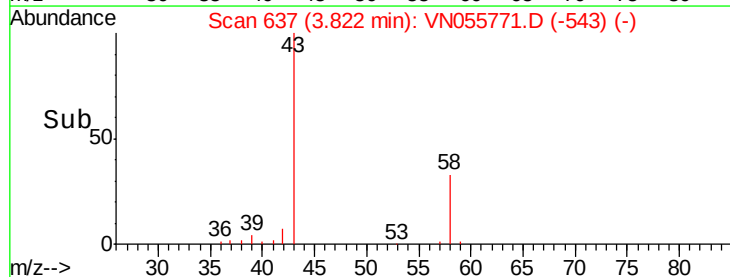
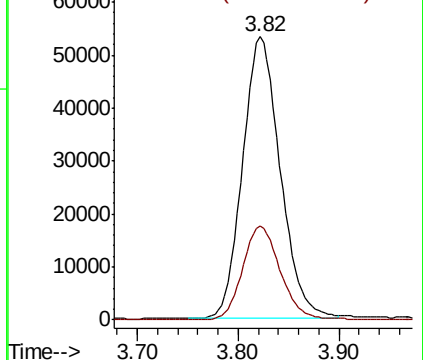
43 100

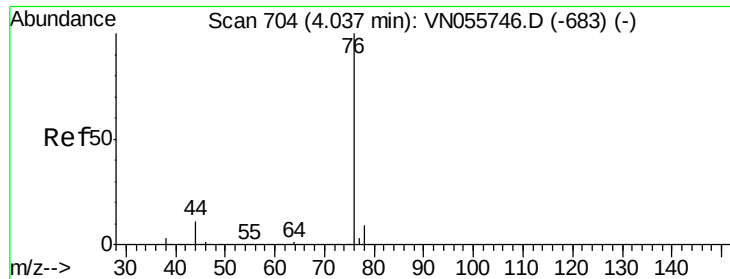
58 33.2 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055771.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055771.D (-543) (-)

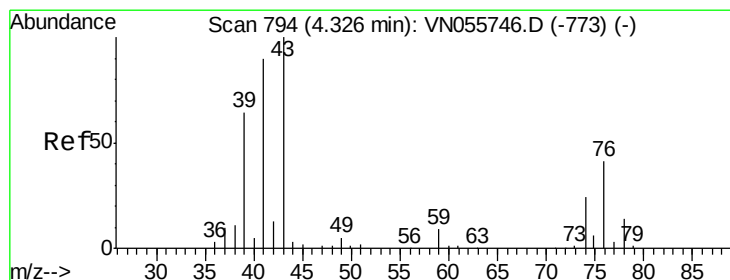
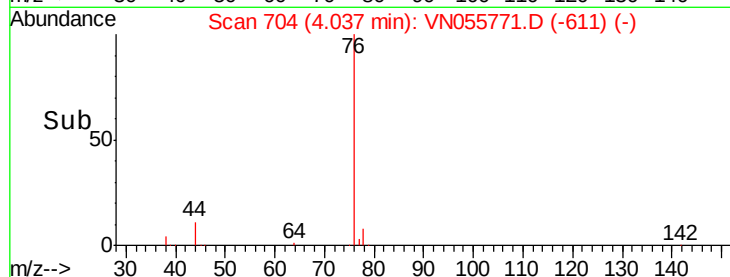
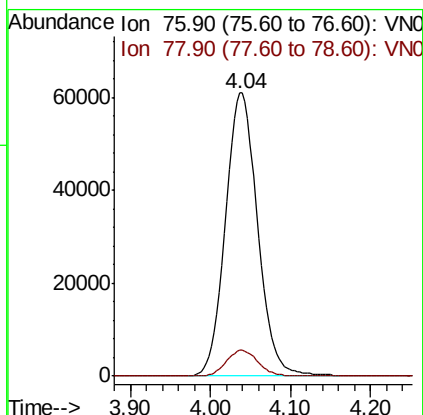
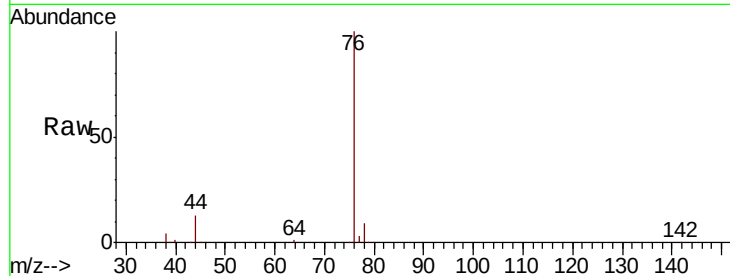




#17
Carbon Disulfide
Concen: 17.624 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

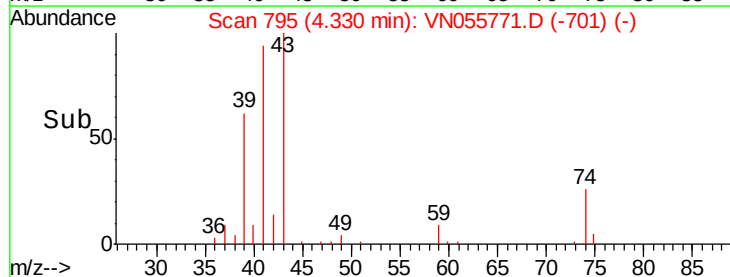
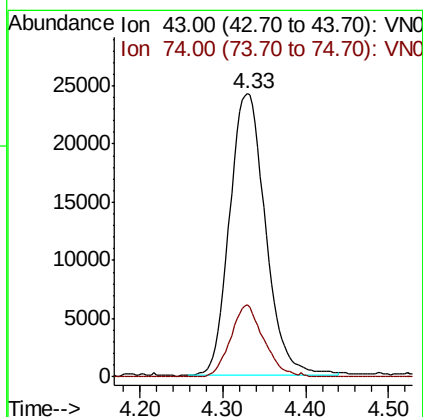
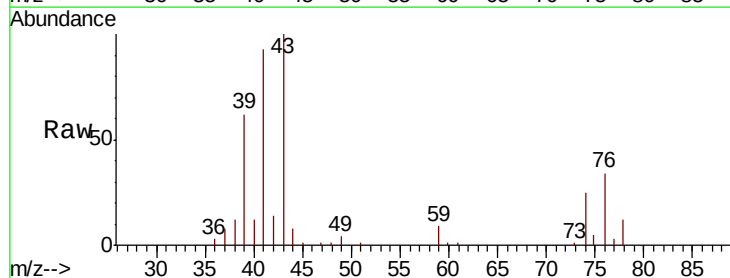
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

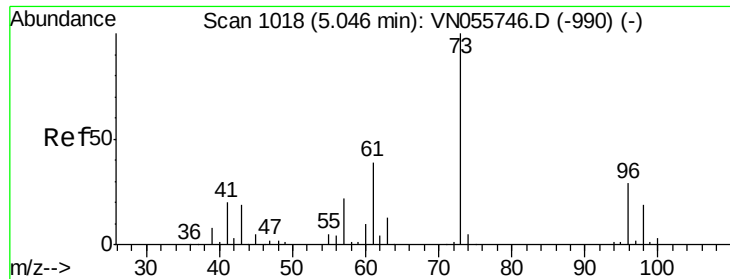
Tot Ion: 76 Resp: 167061
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 19.330 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 43 Resp: 72792
Ion Ratio Lower Upper
43 100
74 23.6 19.3 28.9

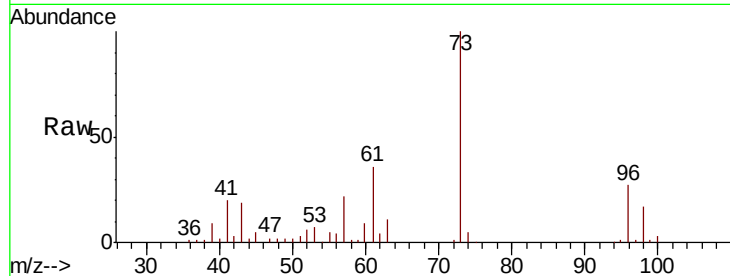




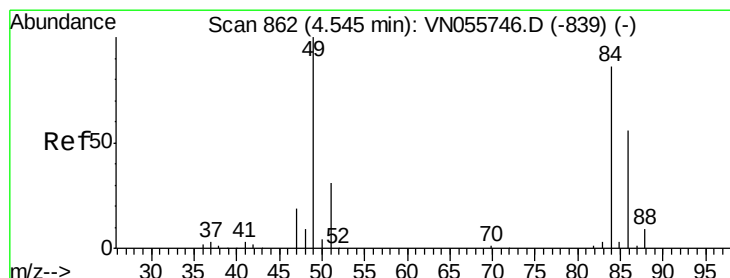
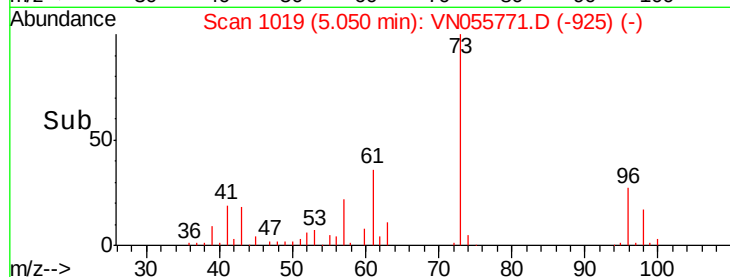
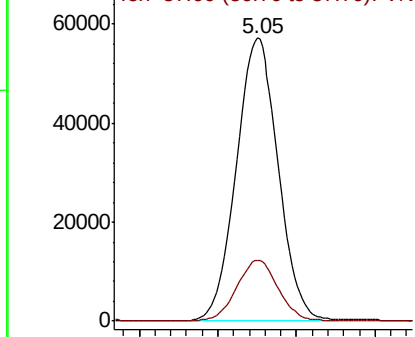
#19
Methyl tert-butyl Ether
Concen: 19.210 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

Tot Ion: 73 Resp: 213763
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8

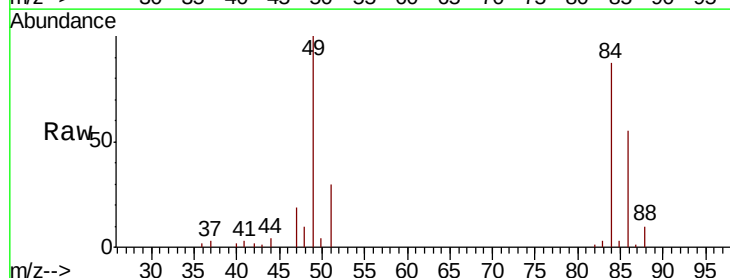


Abundance Ion 73.00 (72.70 to 73.70): VN055746.D (-990) (-)
Ion 57.00 (56.70 to 57.70): VN055746.D (-990) (-)

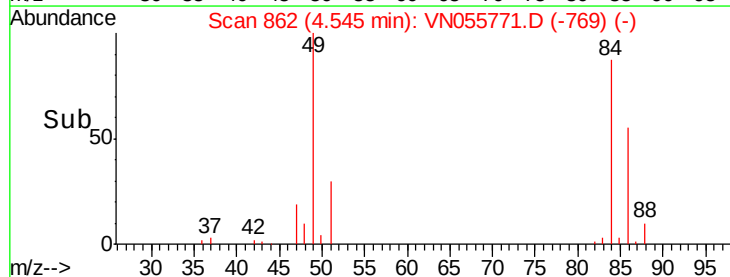
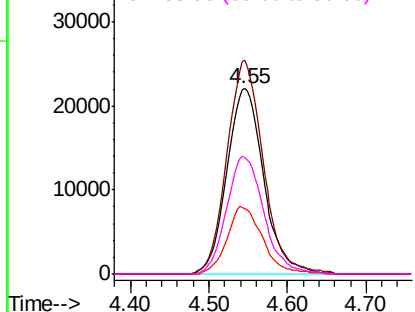


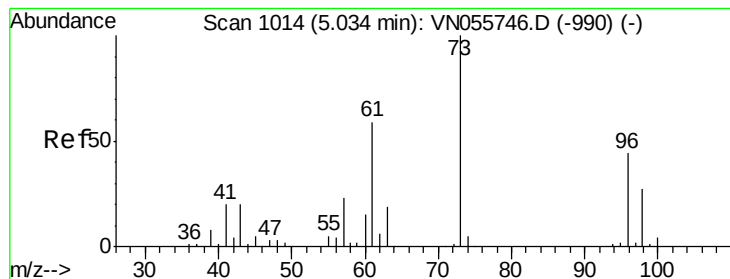
#20
Methylene Chloride
Concen: 18.630 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 84 Resp: 71855
Ion Ratio Lower Upper
84 100
49 115.2 93.5 140.3
51 35.0 28.6 43.0
86 63.0 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN055746.D (-839) (-)
Ion 48.90 (48.60 to 49.60): VN055746.D (-839) (-)
Ion 50.90 (50.60 to 51.60): VN055746.D (-839) (-)
Ion 85.90 (85.60 to 86.60): VN055746.D (-839) (-)





#21

trans-1,2-Dichloroethene

Concen: 18.792 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

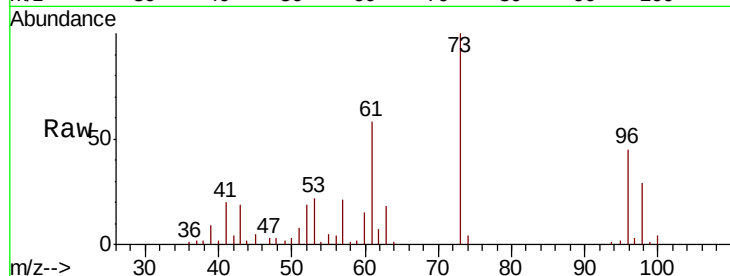
Tot Ion: 96 Resp: 67359

Ion Ratio Lower Upper

96 100

61 129.0 107.8 161.8

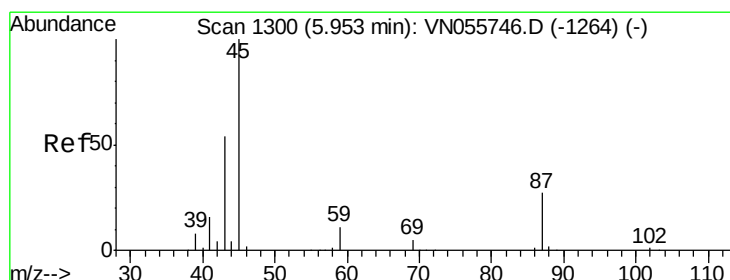
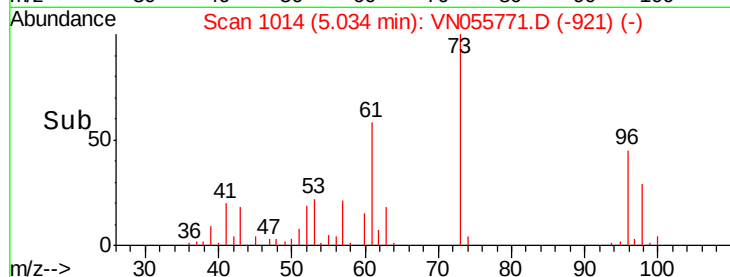
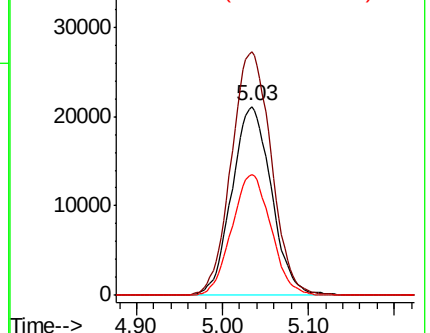
98 64.3 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055771.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055771.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055771.D (-1207) (-)



#22

Diisopropyl ether

Concen: 18.684 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Tgt Ion: 45 Resp: 207846

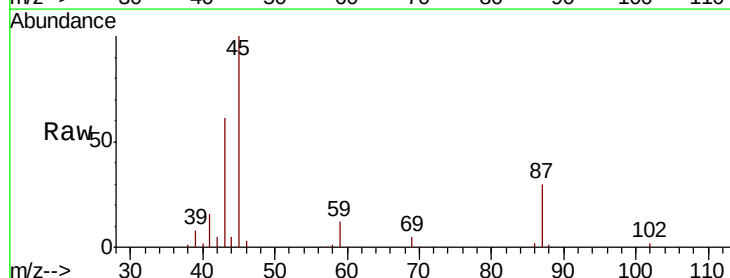
Ion Ratio Lower Upper

45 100

43 59.4 45.0 67.6

87 29.7 22.2 33.4

59 11.8 9.1 13.7

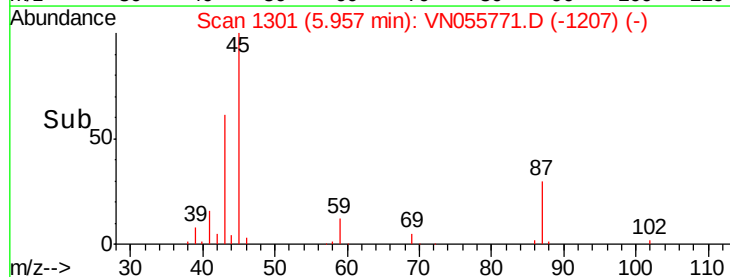
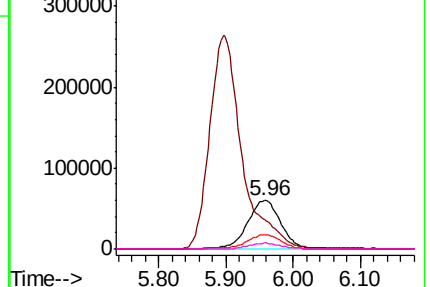


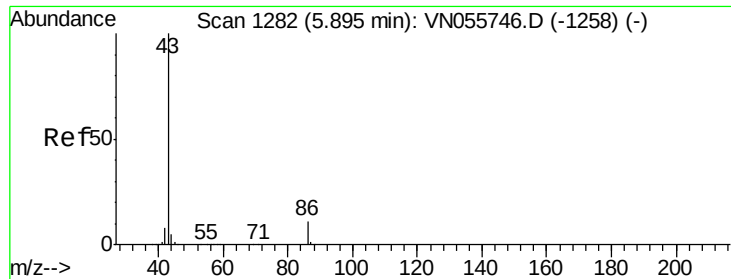
Abundance Ion 45.00 (44.70 to 45.70): VN055771.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055771.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055771.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055771.D (-1207) (-)





#23

Vinyl Acetate

Concen: 92.413 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

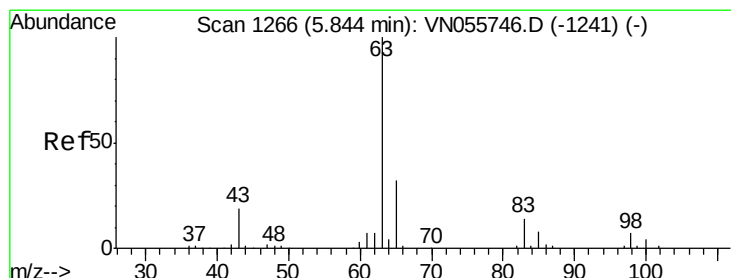
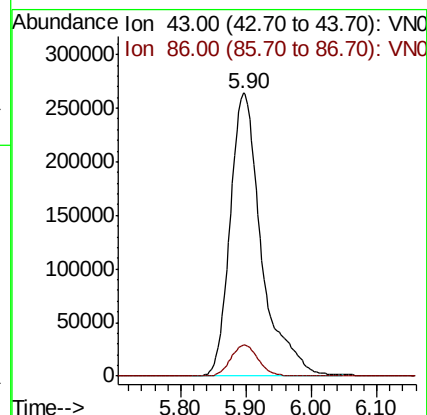
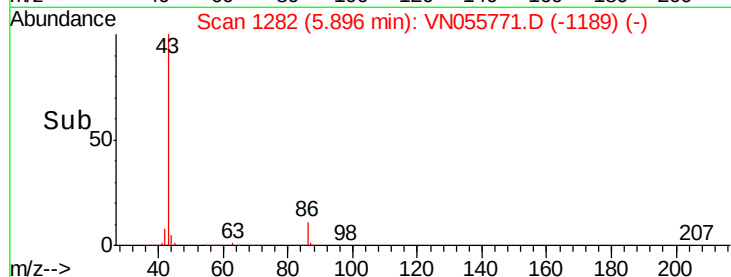
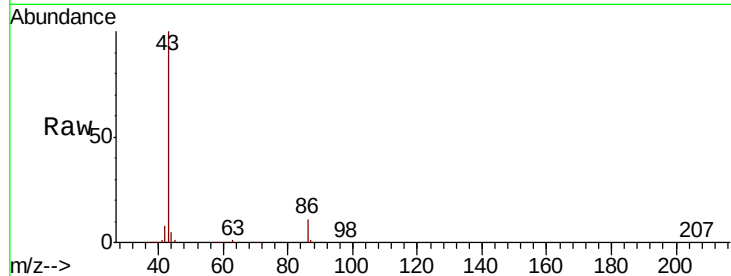
VN0523MBS01

Tot Ion: 43 Resp: 881431

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 18.392 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

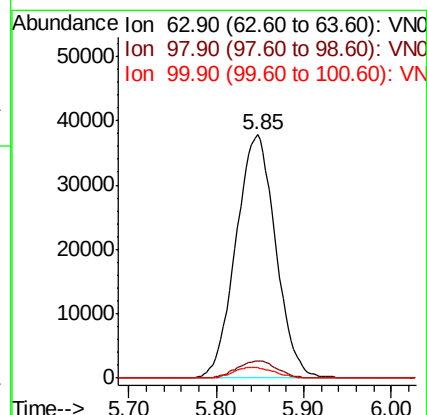
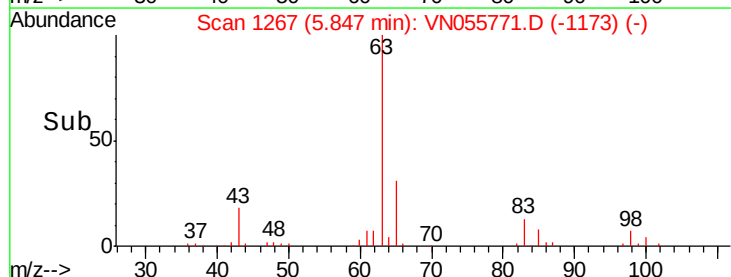
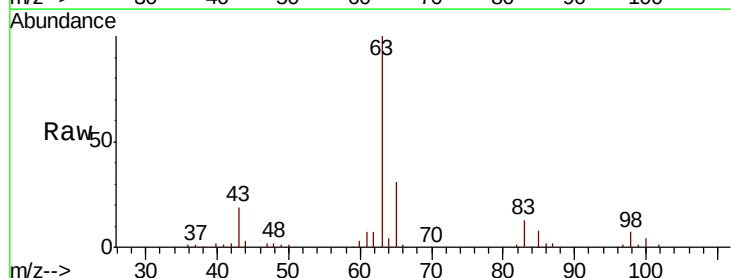
Tgt Ion: 63 Resp: 119125

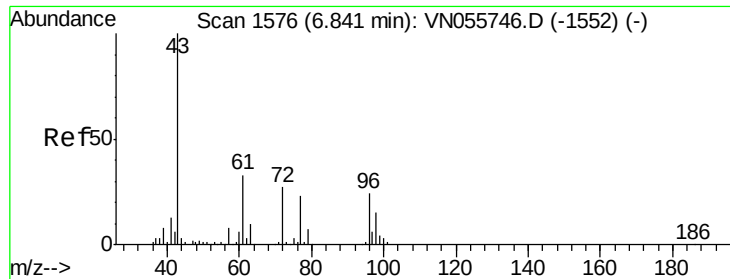
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.3 2.2 6.6

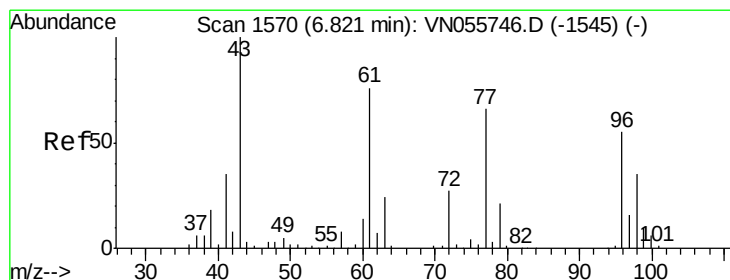
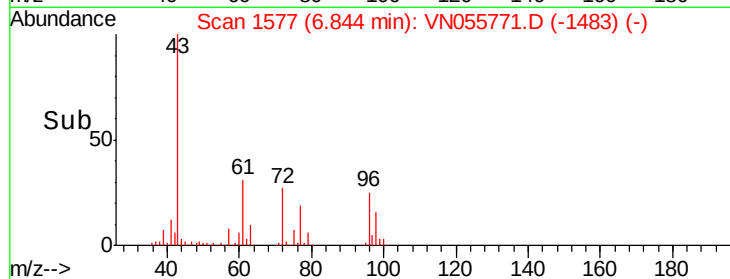
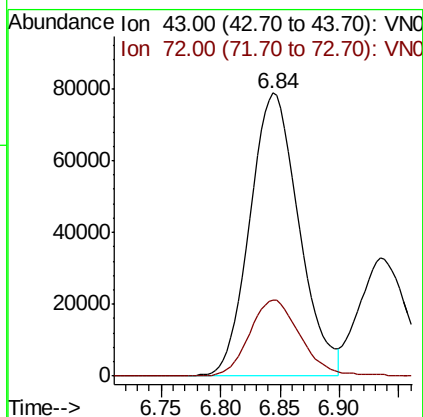
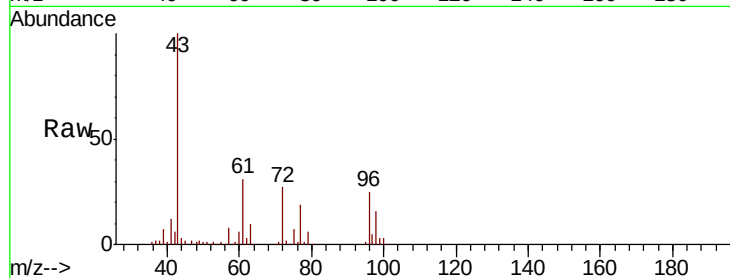




#25
2-Butanone
Concen: 90.140 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

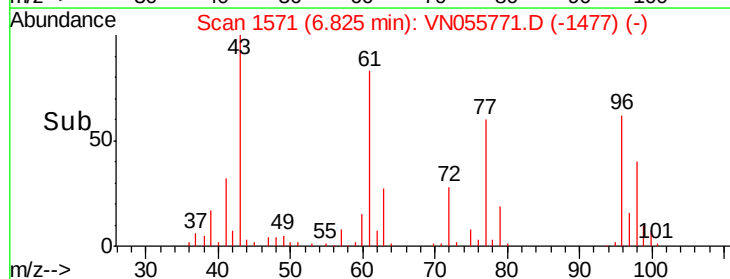
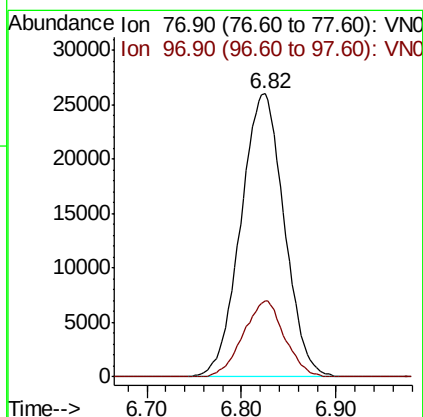
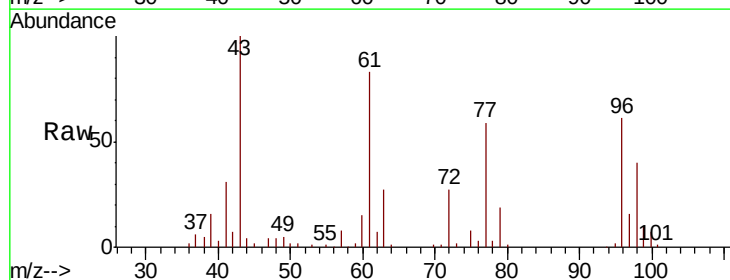
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

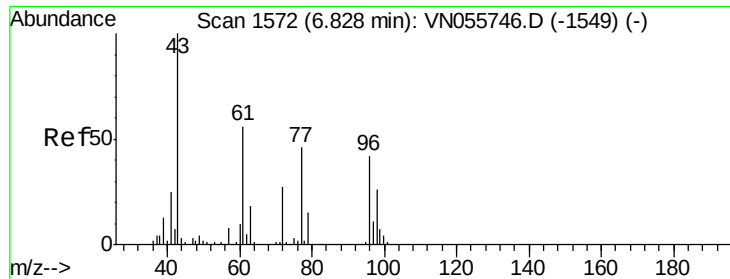
Tot Ion: 43 Resp: 224194
Ion Ratio Lower Upper
43 100
72 27.1 21.9 32.9



#26
2,2-Dichloropropane
Concen: 14.764 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 77 Resp: 82761
Ion Ratio Lower Upper
77 100
97 25.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 18.972 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

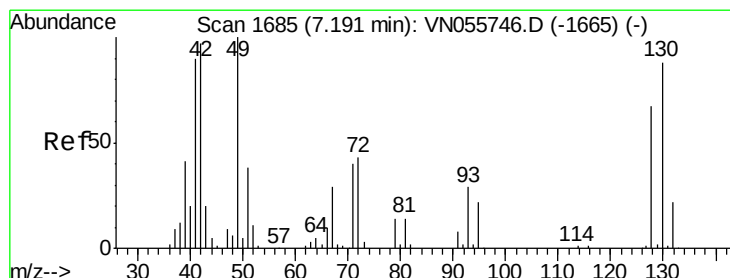
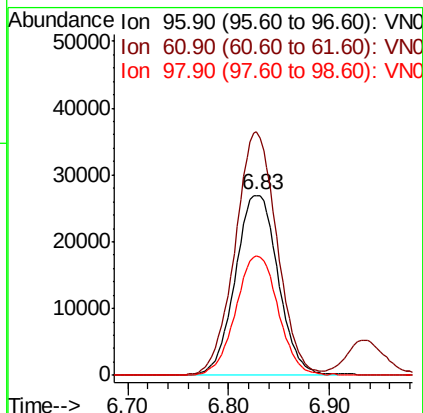
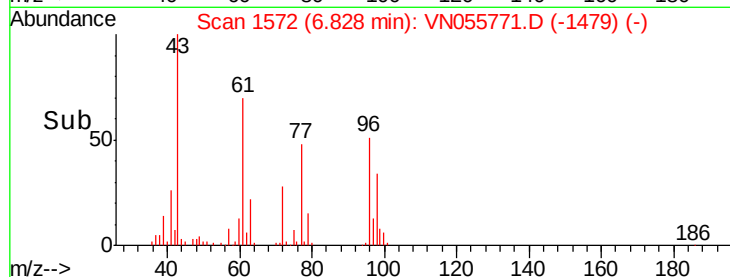
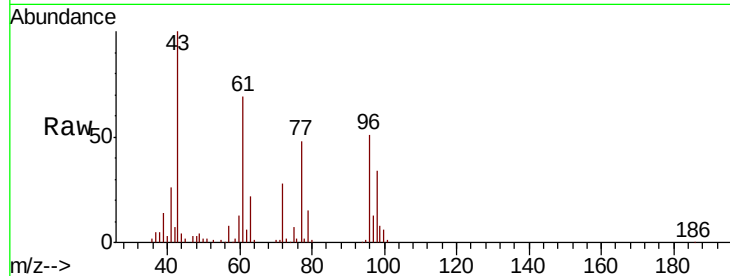
Tot Ion: 96 Resp: 79340

Ion Ratio Lower Upper

96 100

61 132.5 0.0 275.8

98 65.8 0.0 128.4



#28

Bromochloromethane

Concen: 19.634 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

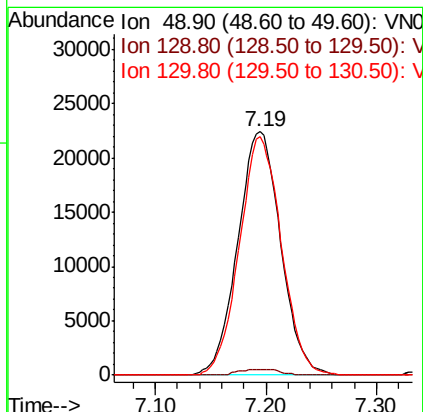
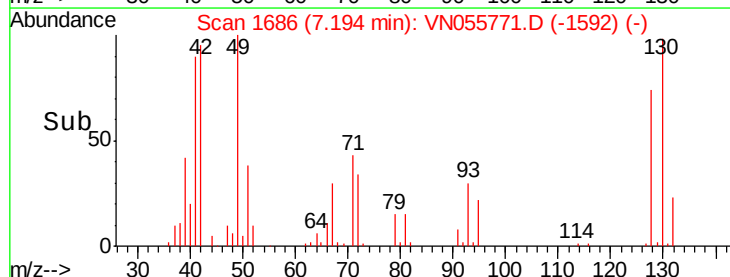
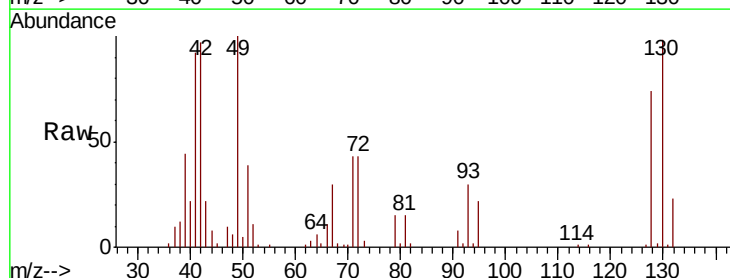
Tgt Ion: 49 Resp: 60548

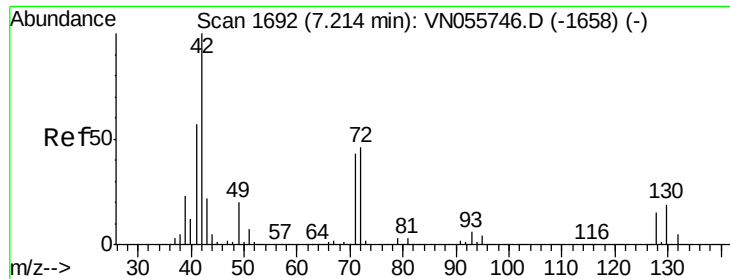
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 95.6 71.2 106.8

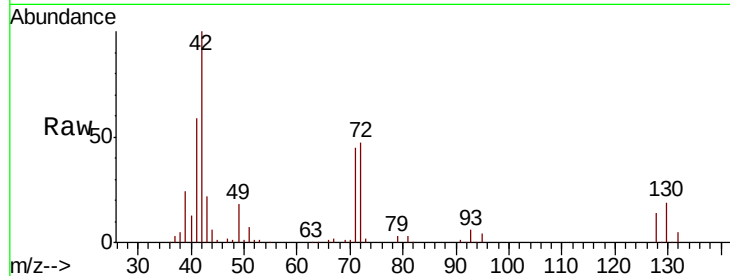




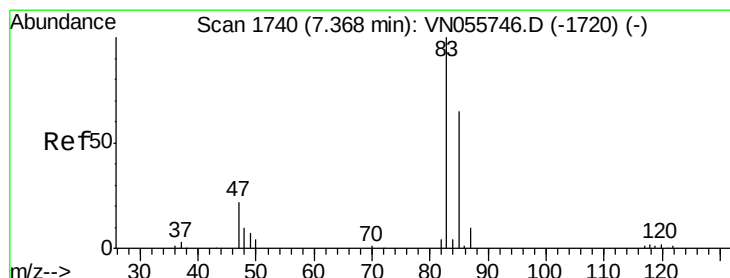
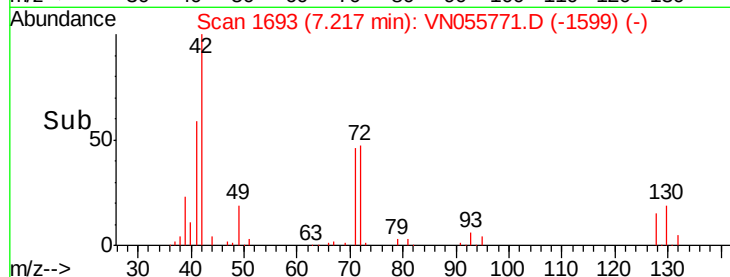
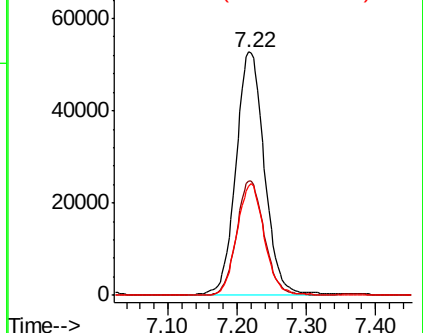
#29
Tetrahydrofuran
Concen: 96.534 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Instrument :
MSVOA_N
ClientSampled :
VN0523MBS01

Tot Ion: 42 Resp: 152047
Ion Ratio Lower Upper
42 100
72 45.8 35.9 53.9
71 43.7 34.0 51.0

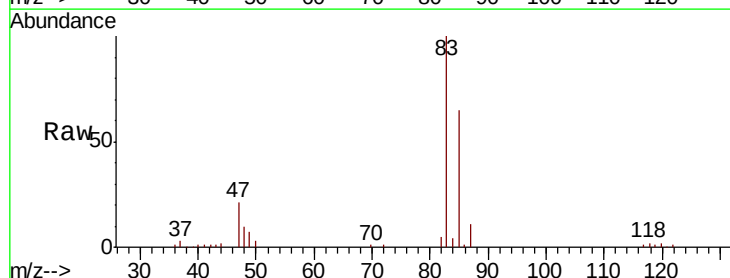


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

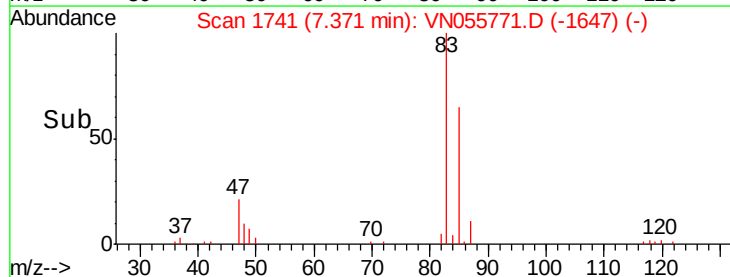
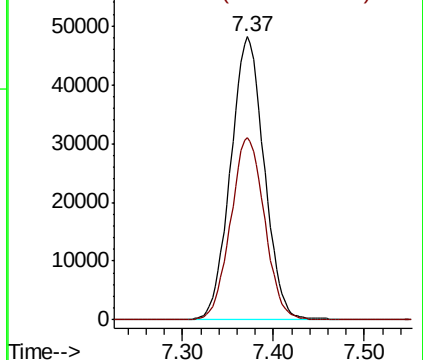


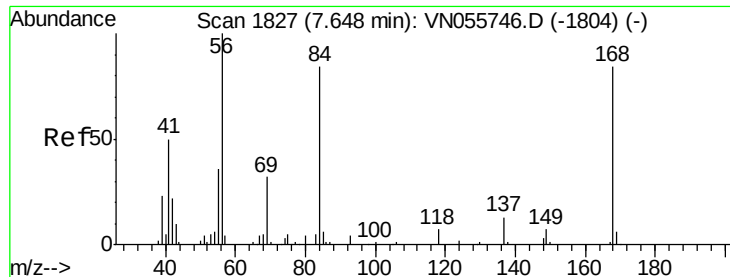
#30
Chloroform
Concen: 19.099 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 83 Resp: 123369
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.8



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





#31

Cyclohexane

Concen: 18.713 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

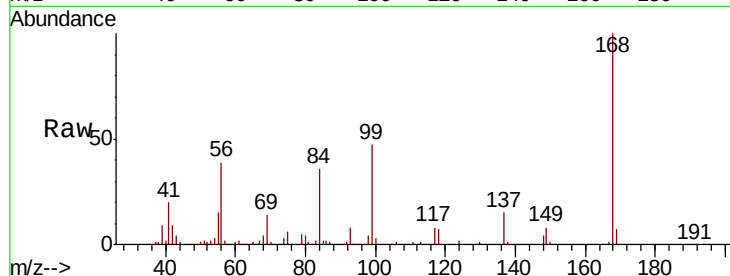
Tot Ion: 56 Resp: 113795

Ion Ratio Lower Upper

56 100

69 36.5 25.6 38.4

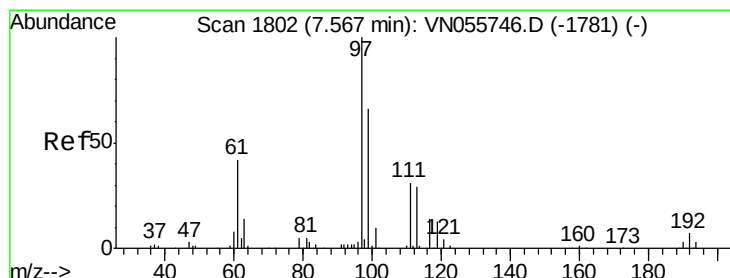
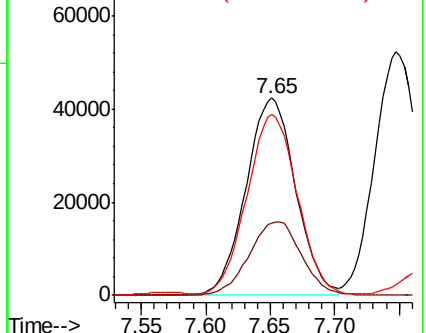
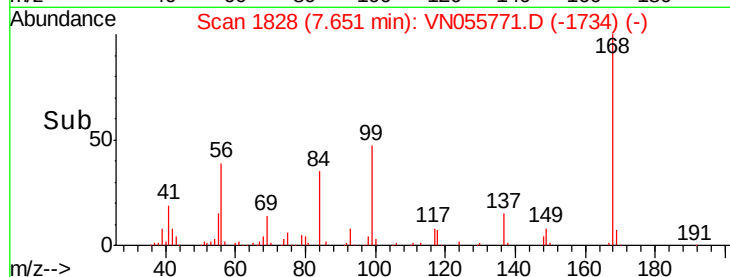
84 90.9 67.4 101.0



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: 19.003 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

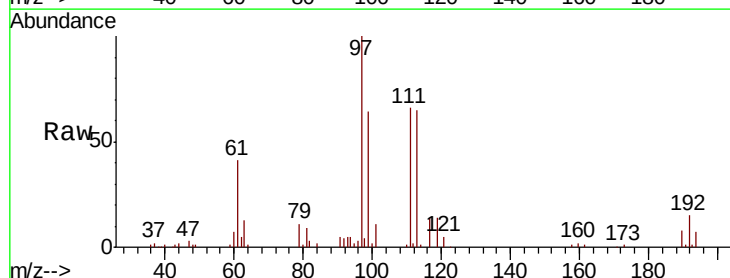
Tgt Ion: 97 Resp: 109537

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

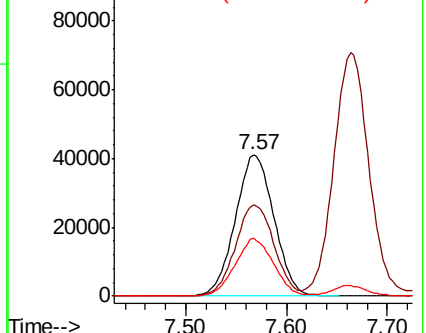
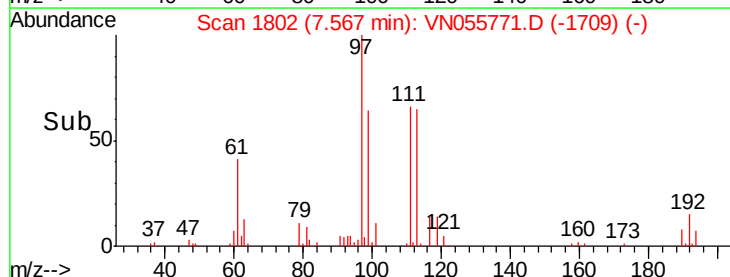
61 40.4 32.9 49.3

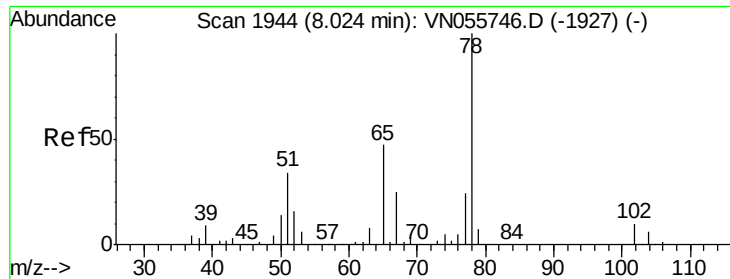


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

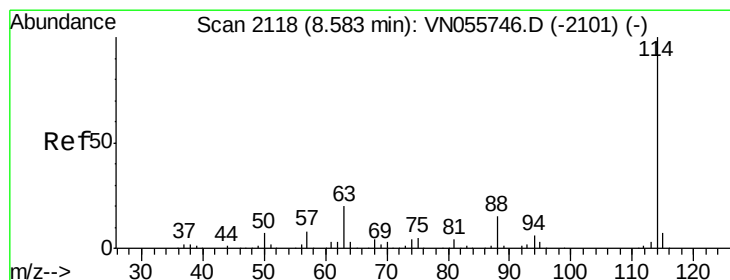
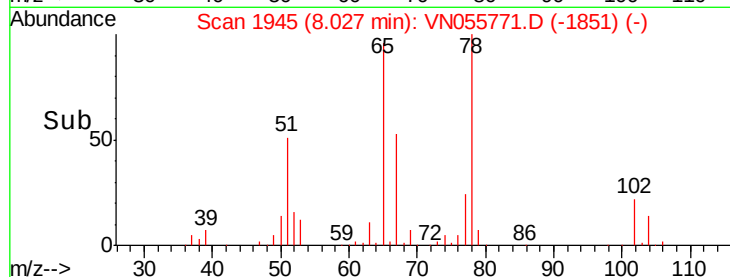
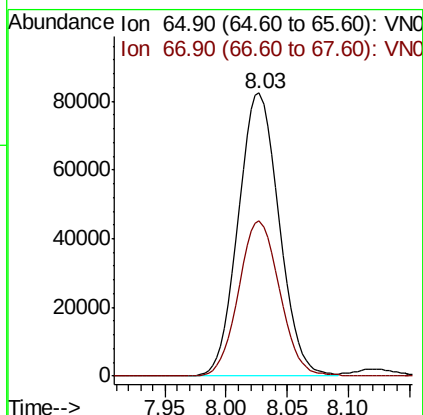
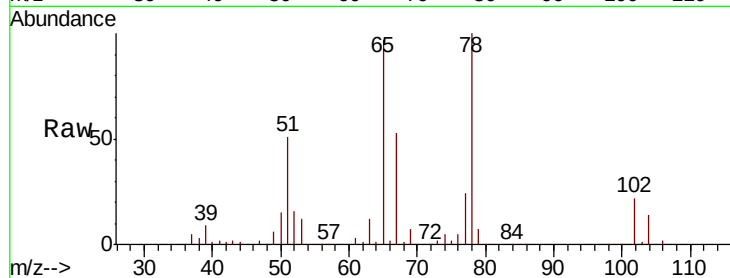




#33
 1,2-Dichloroethane-d4
 Concen: 47.269 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

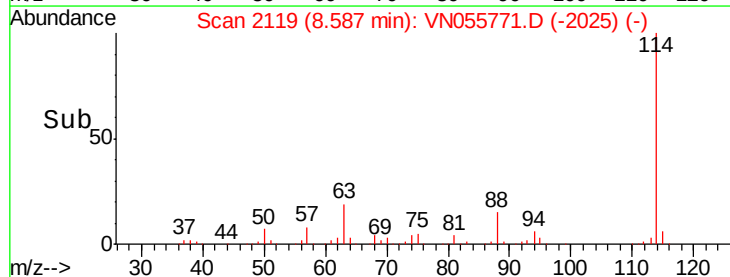
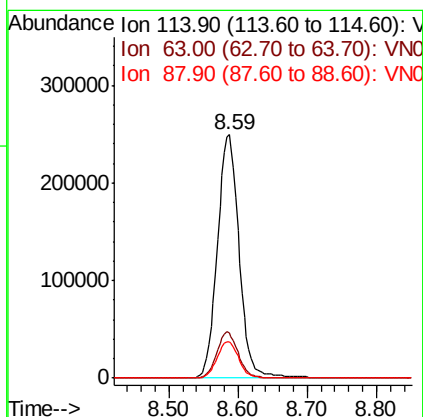
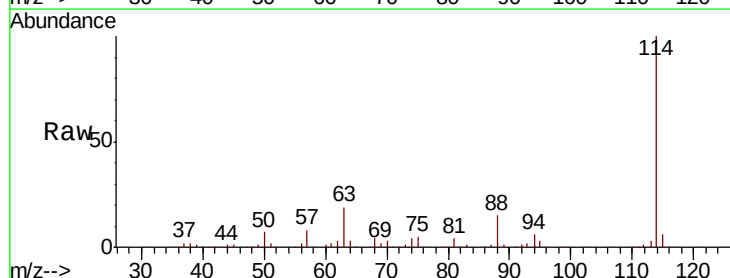
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBS01

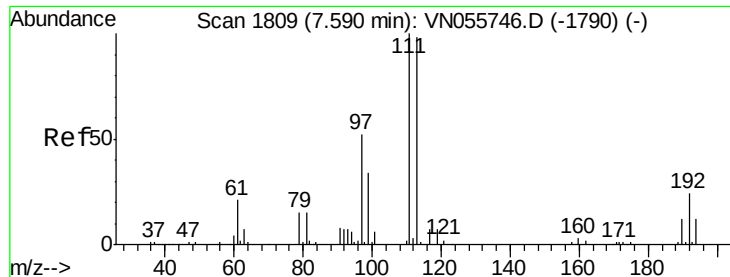
Tot Ion: 65 Resp: 191505
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion: 114 Resp: 543678
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.1 0.0 31.0

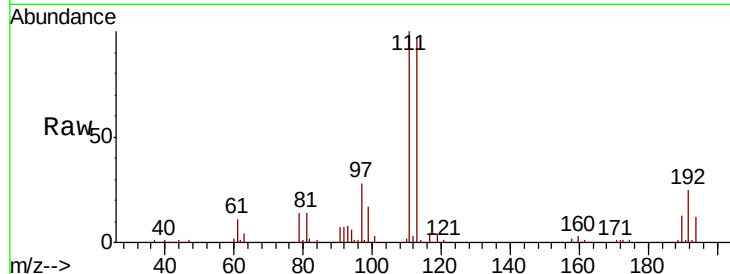




#35
 Dibromofluoromethane
 Concen: 50.365 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	25.9	19.5	29.3

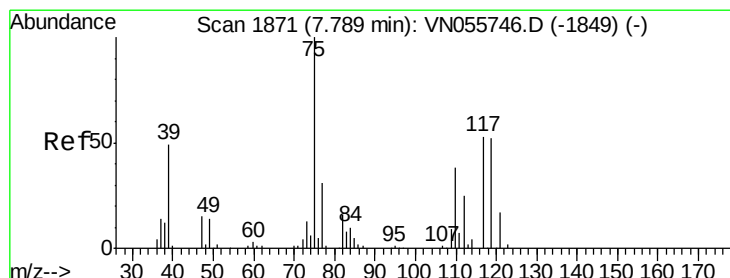
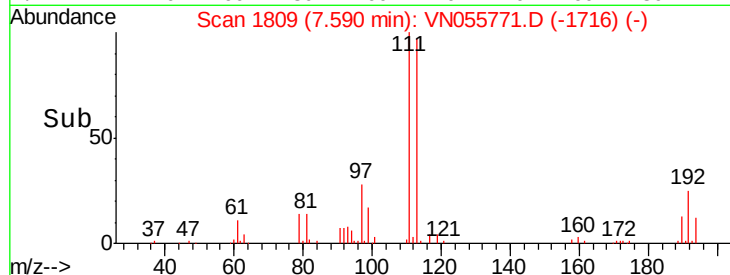
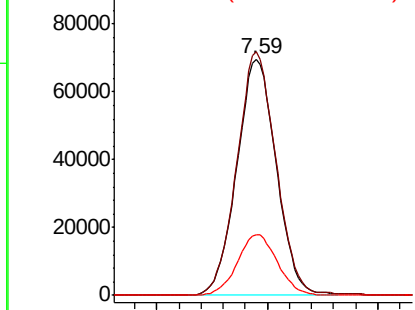


Abundance

Ion 112.80 (112.50 to 113.50): V

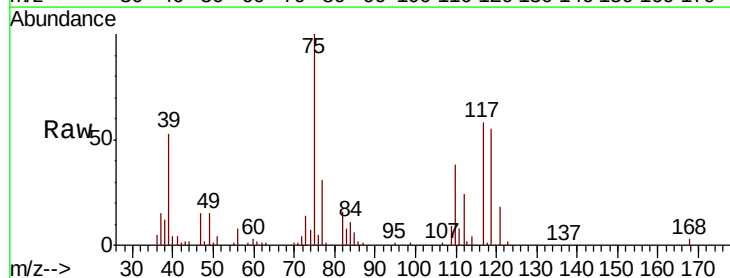
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.123 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.0	57.0
77	31.1	25.1	37.7

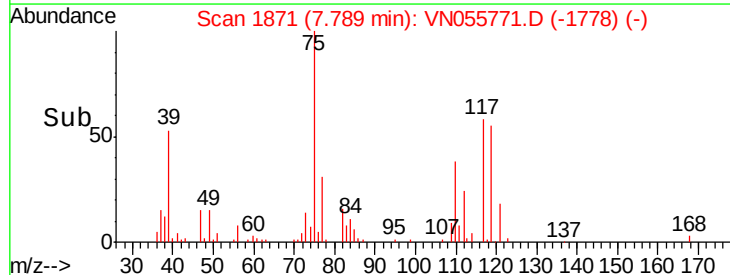
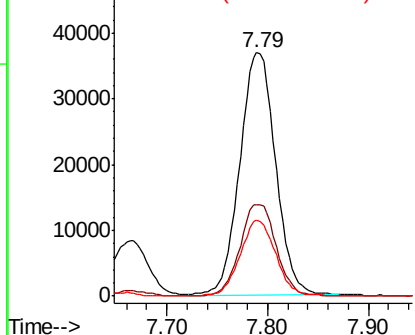


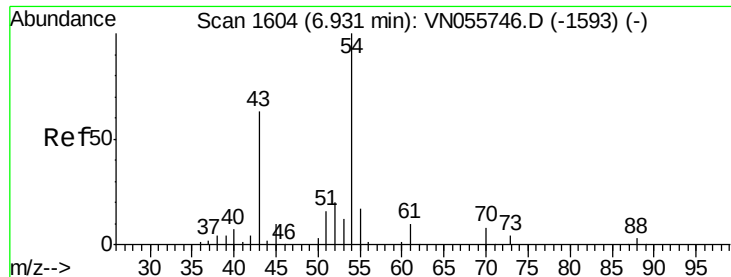
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

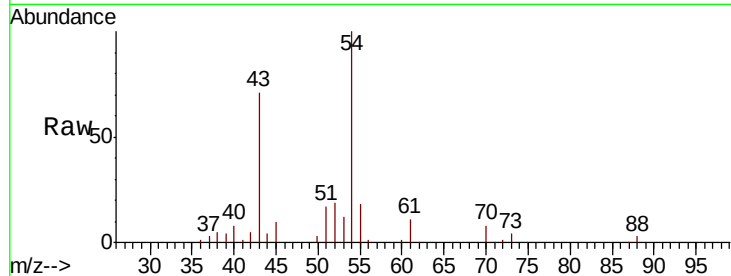




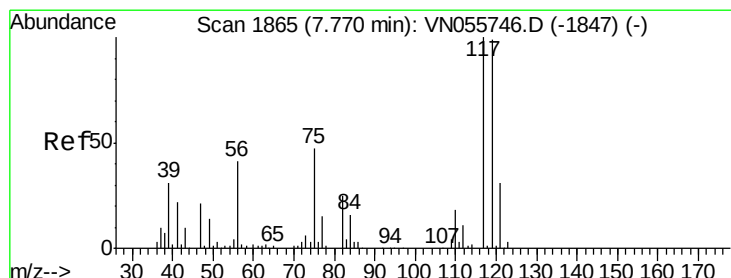
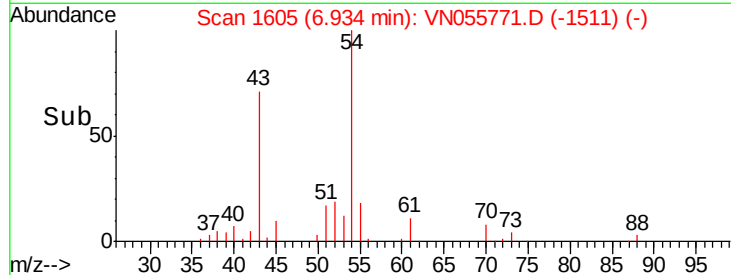
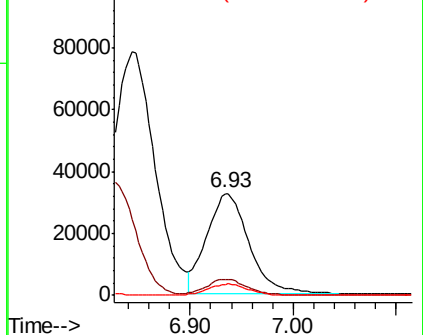
#37
Ethyl Acetate
Concen: 20.198 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Instrument :
MSVOA_N
ClientSampled :
VN0523MBS01

Tot Ion: 43 Resp: 92490
Ion Ratio Lower Upper
43 100
61 14.7 12.2 18.2
70 10.9 8.9 13.3

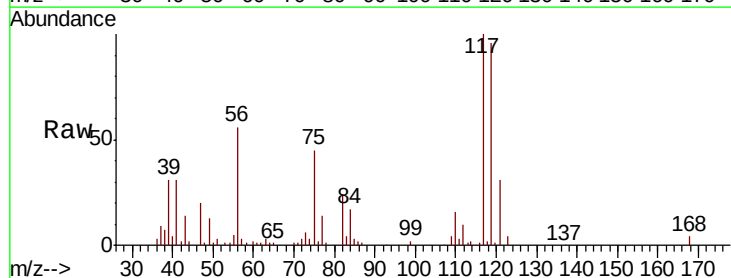


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

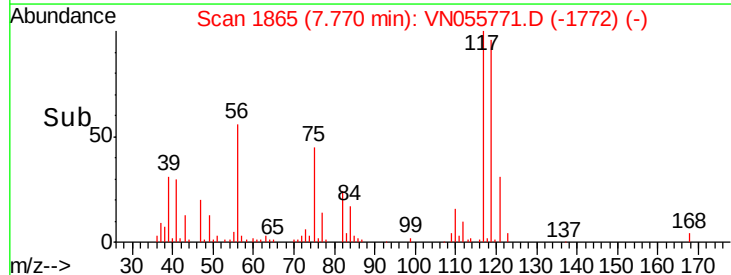
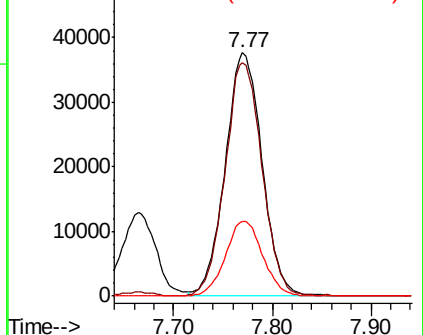


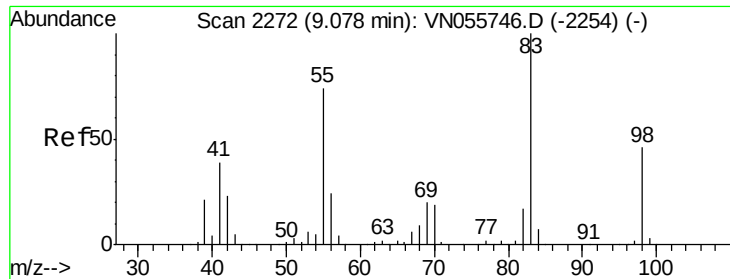
#38
Carbon Tetrachloride
Concen: 19.917 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 117 Resp: 98293
Ion Ratio Lower Upper
117 100
119 96.1 79.0 118.6
121 30.9 24.7 37.1



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

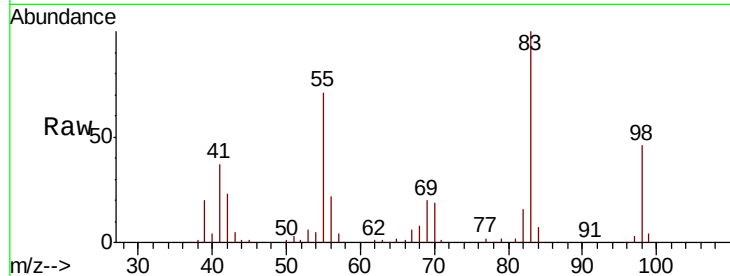




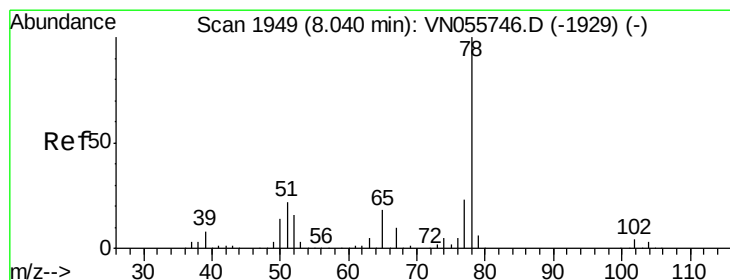
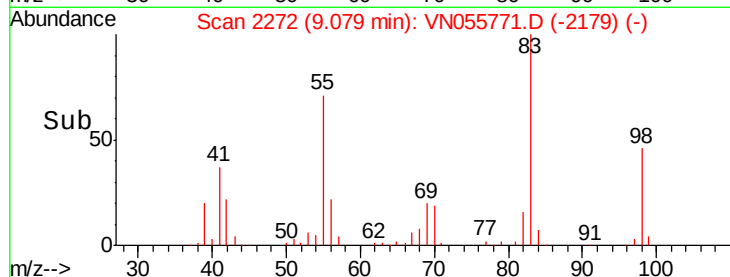
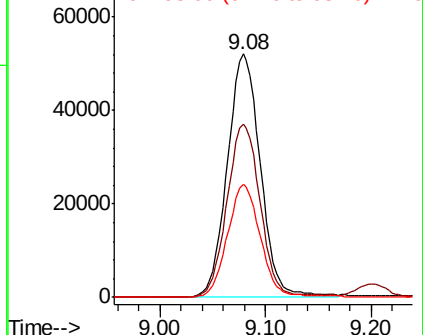
#39
Methylvlcyclohexane
Concen: 19.346 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

Tot Ion: 83 Resp: 113507
Ion Ratio Lower Upper
83 100
55 71.1 59.3 88.9
98 46.3 36.6 54.8

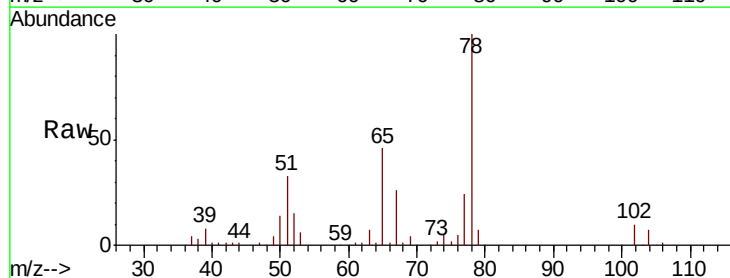


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

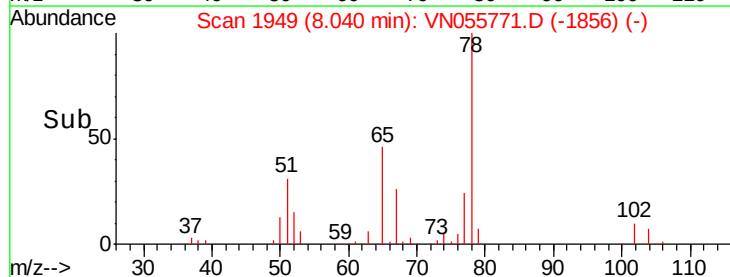
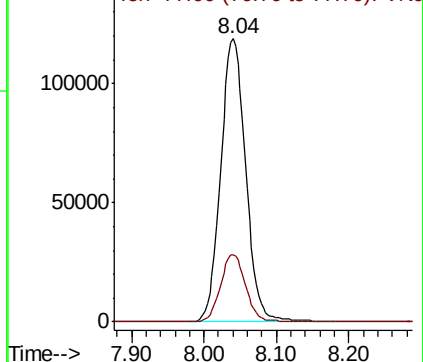


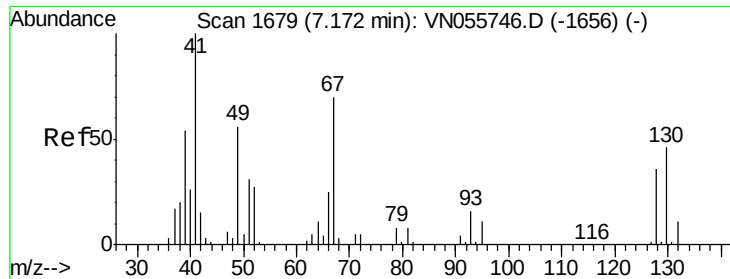
#40
Benzene
Concen: 19.964 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 78 Resp: 285064
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



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





#41

Methacrylonitrile

Concen: 19.386 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

Tot Ion: 41 Resp: 44848

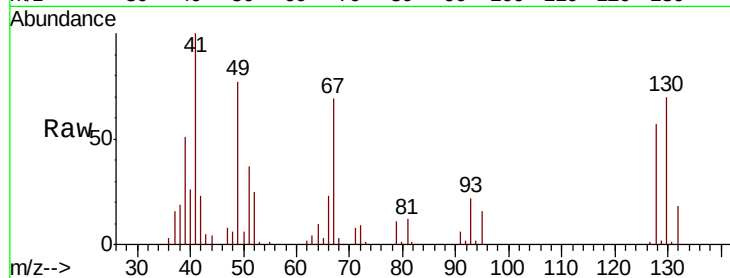
Ion Ratio Lower Upper

41 100

39 49.5 45.6 68.4

67 86.0 67.7 101.5

52 32.5 26.6 40.0

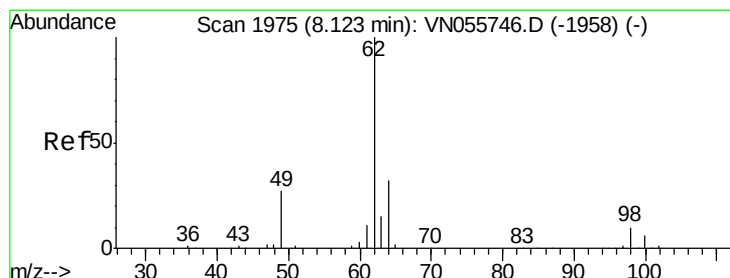
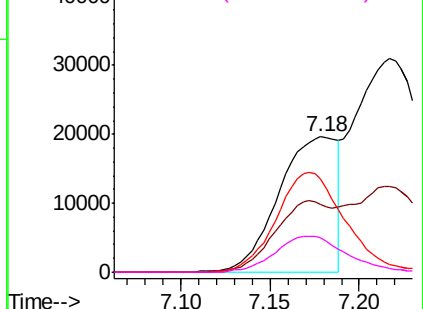
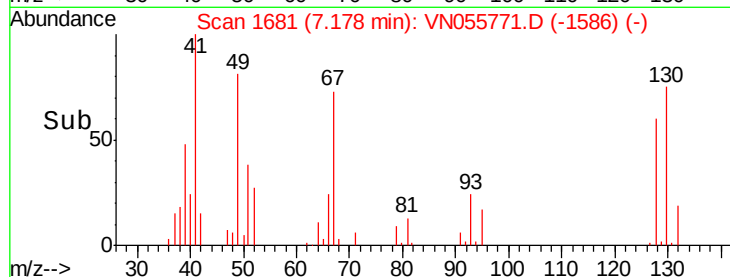


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 19.765 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055771.D

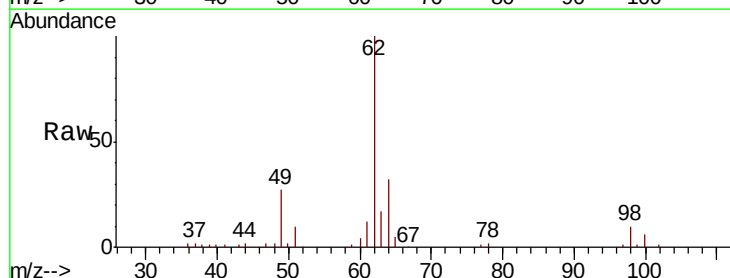
Acq: 23 May 2019 22:37

Tgt Ion: 62 Resp: 92222

Ion Ratio Lower Upper

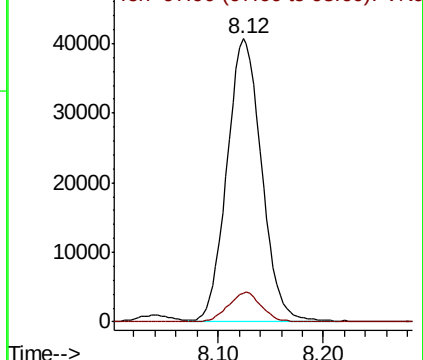
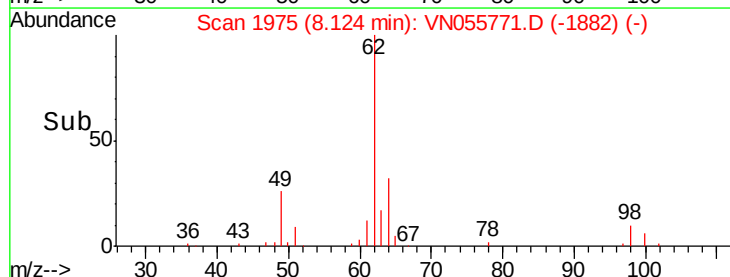
62 100

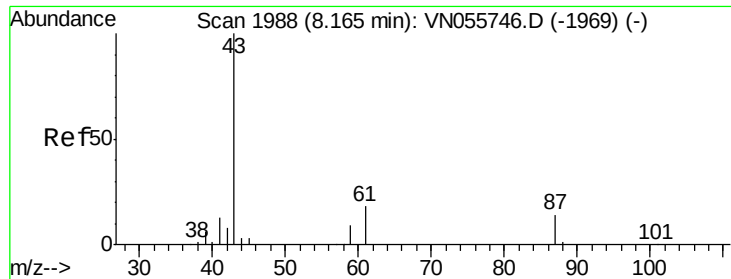
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.129 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

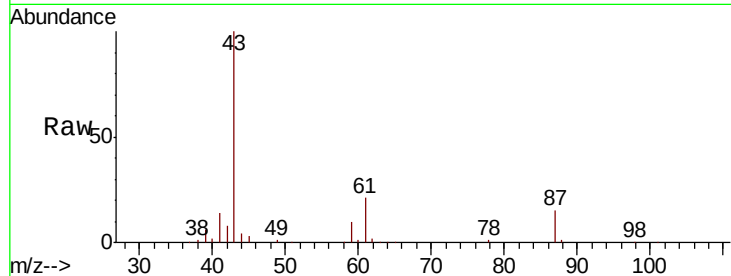
Tot Ion: 43 Resp: 147177

Ion Ratio Lower Upper

43 100

61 22.4 22.2 33.4

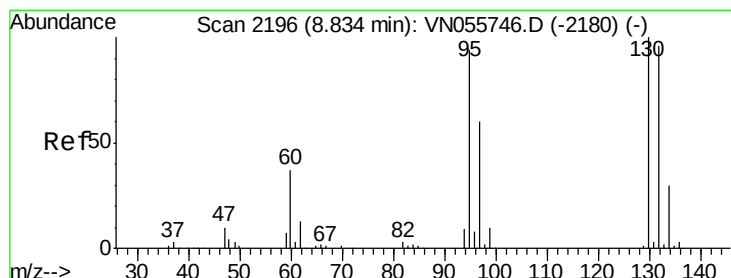
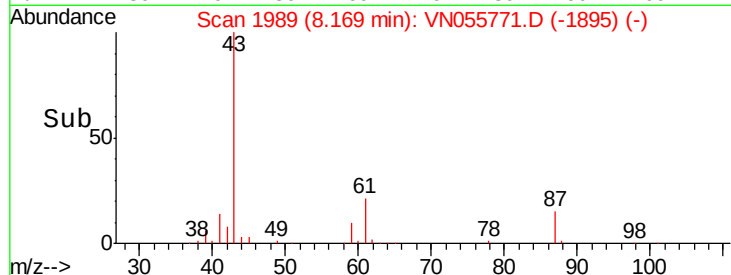
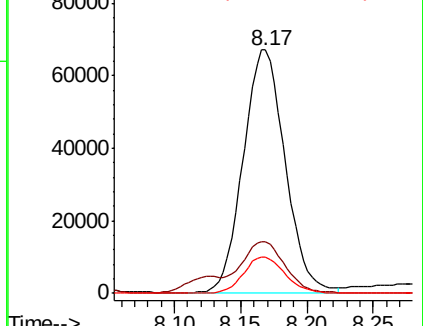
87 15.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055771.D (-1989) (-)

Ion 61.00 (60.70 to 61.70): VN055771.D (-1989) (-)

Ion 87.00 (86.70 to 87.70): VN055771.D (-1989) (-)



#44

Trichloroethene

Concen: 20.716 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055771.D

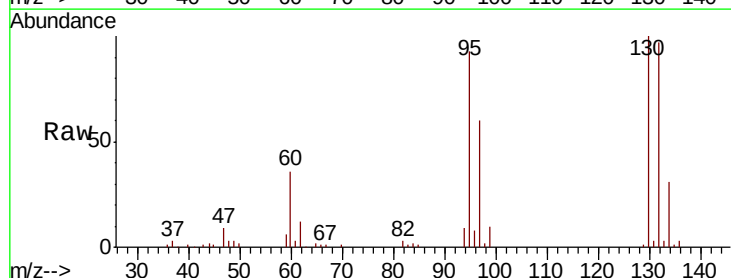
Acq: 23 May 2019 22:37

Tgt Ion:130 Resp: 82468

Ion Ratio Lower Upper

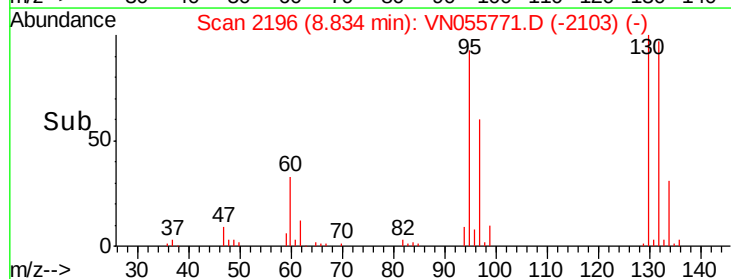
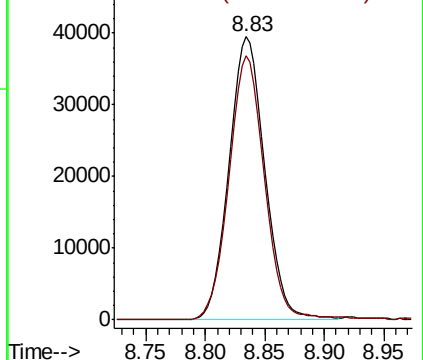
130 100

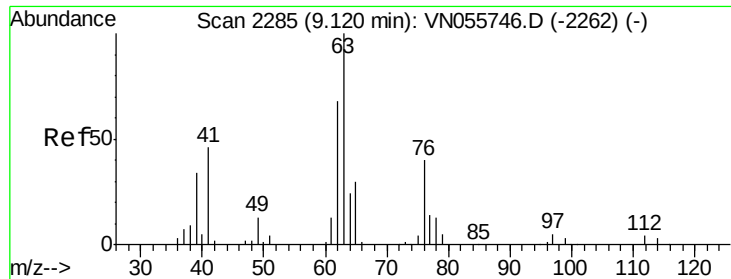
95 93.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055771.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN055771.D (-2196) (-)

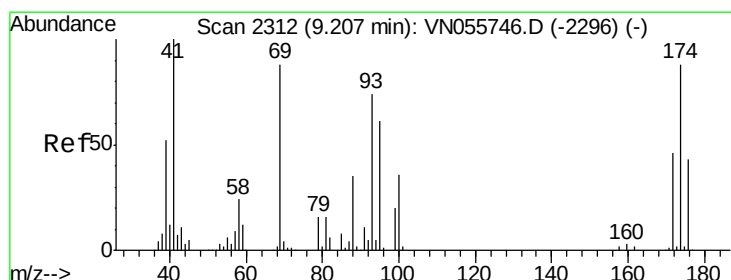
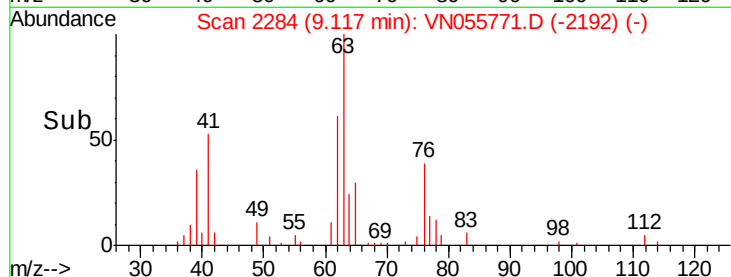
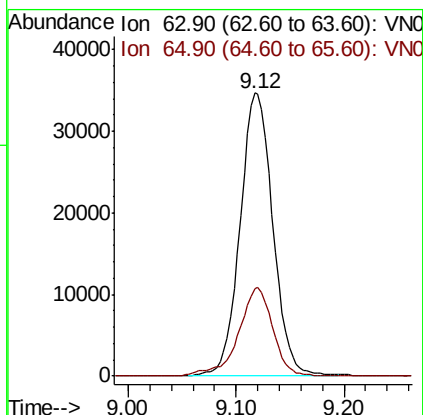
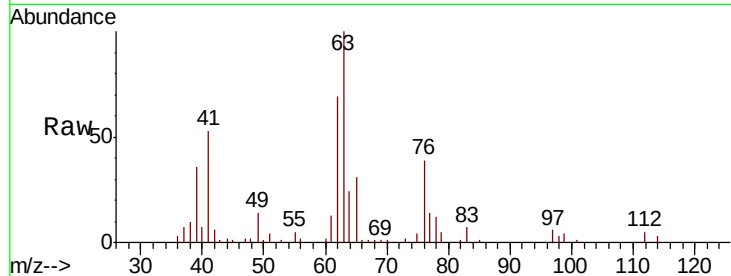




#45
 1,2-Dichloropropane
 Concen: 19.746 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

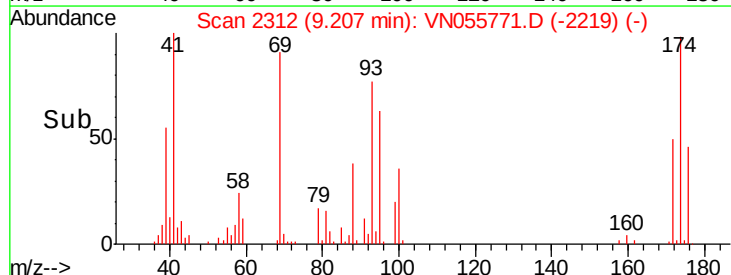
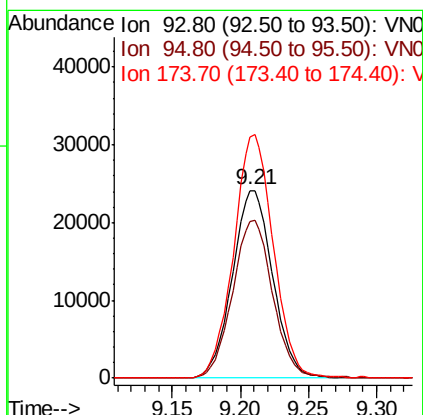
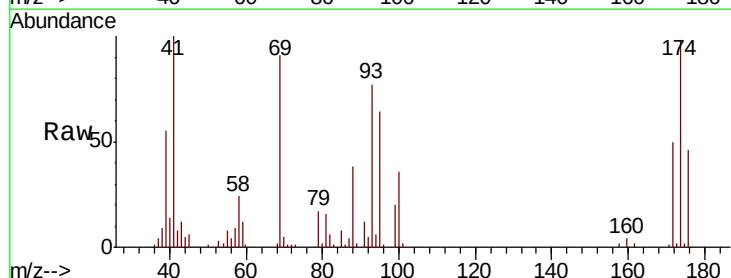
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBS01

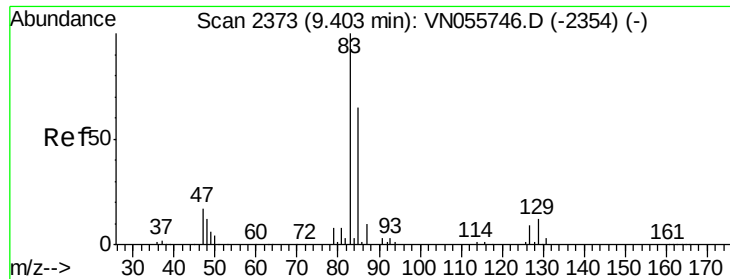
Tot Ion: 63 Resp: 73460
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8



#46
 Dibromomethane
 Concen: 20.300 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion: 93 Resp: 49528
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 127.6 96.4 144.6





#47

Bromodichloromethane

Concen: 19.452 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

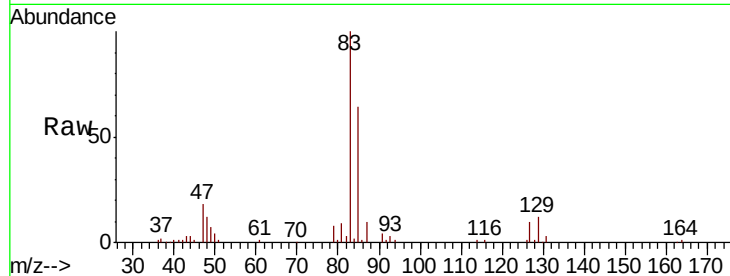
Tot Ion: 83 Resp: 97317

Ion Ratio Lower Upper

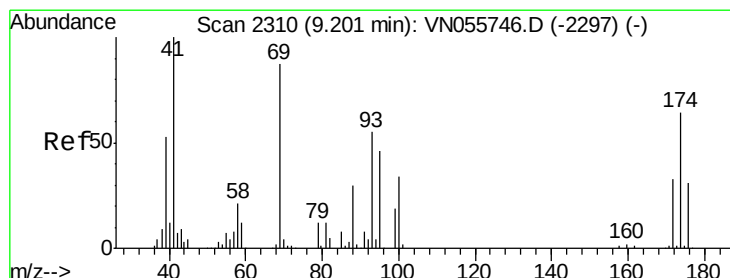
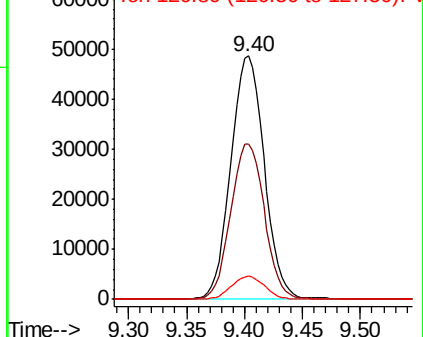
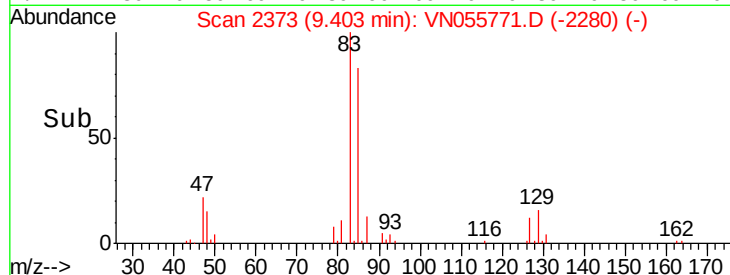
83 100

85 63.9 52.2 78.2

127 9.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055771.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.830 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

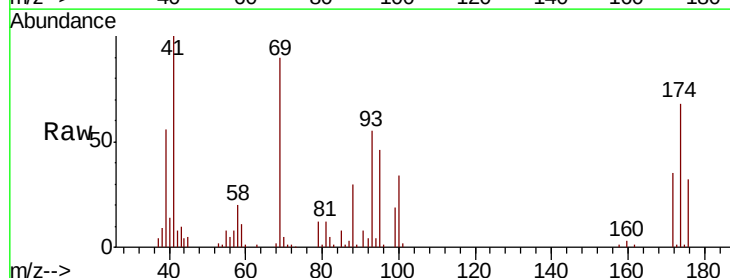
Tgt Ion: 41 Resp: 70314

Ion Ratio Lower Upper

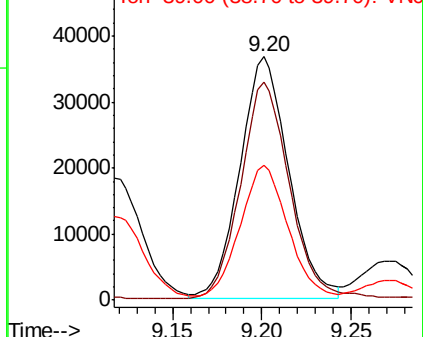
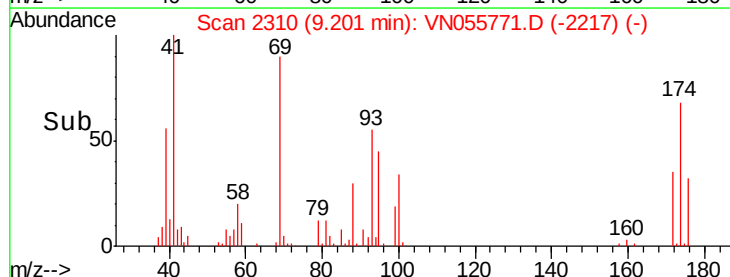
41 100

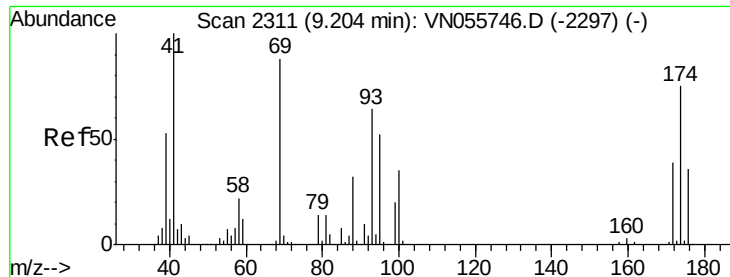
69 89.7 71.0 106.6

39 55.1 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055771.D (-2217) (-)





#49

1,4-Dioxane

Concen: 417.115 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

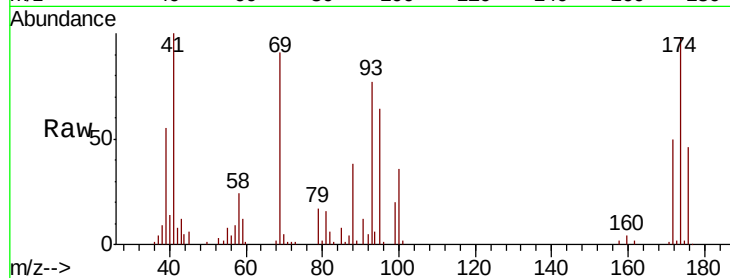
Tot Ion: 88 Resp: 30736

Ion Ratio Lower Upper

88 100

43 24.5 20.5 30.7

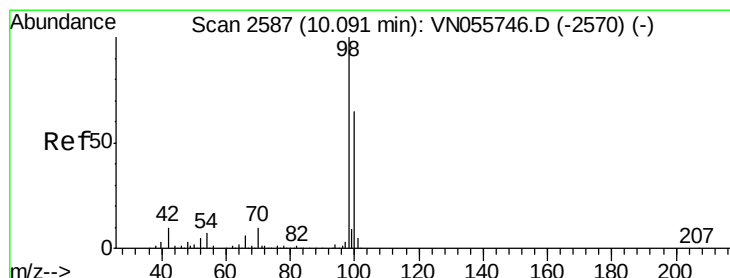
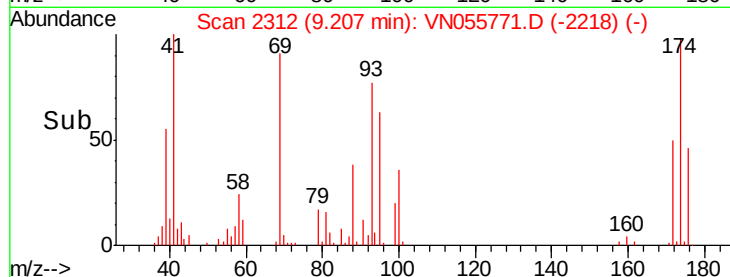
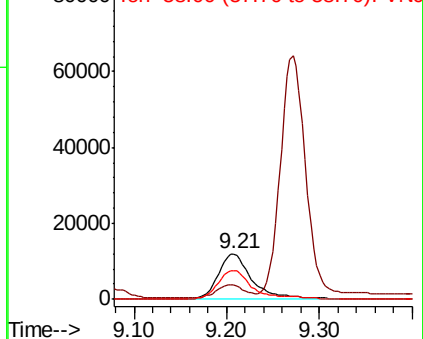
58 66.8 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055771.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055771.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055771.D (-2218) (-)



#50

Toluene-d8

Concen: 49.986 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055771.D

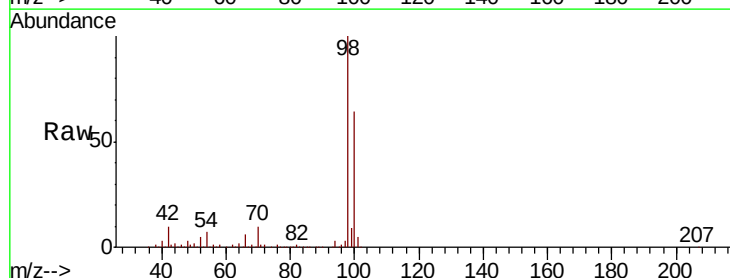
Acq: 23 May 2019 22:37

Tgt Ion: 98 Resp: 659070

Ion Ratio Lower Upper

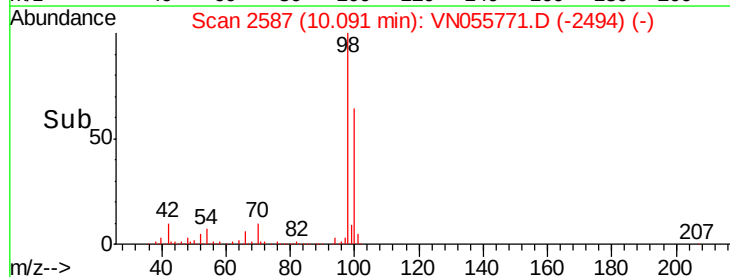
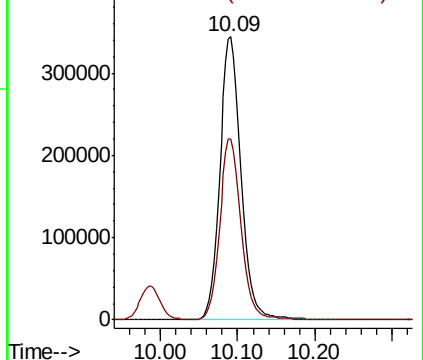
98 100

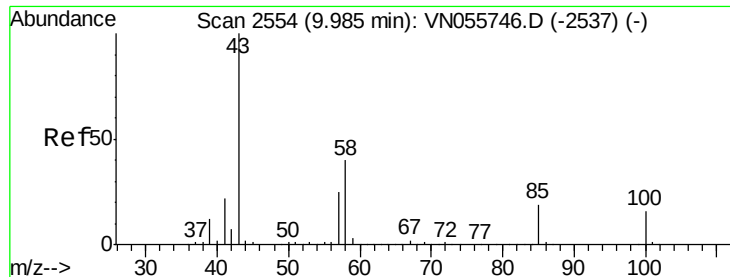
100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055771.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055771.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 100.049 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampled :

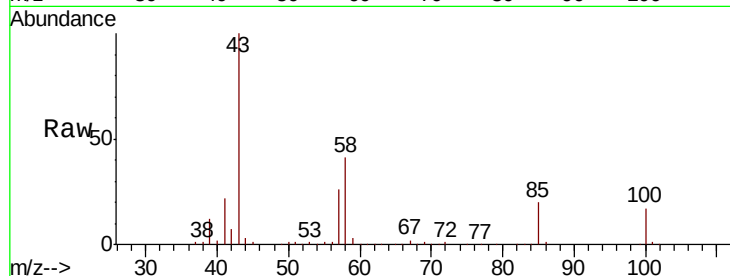
VN0523MBS01

Tot Ion: 43 Resp: 454625

Ion Ratio Lower Upper

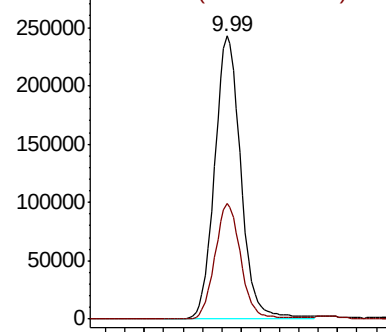
43 100

58 40.4 32.1 48.1

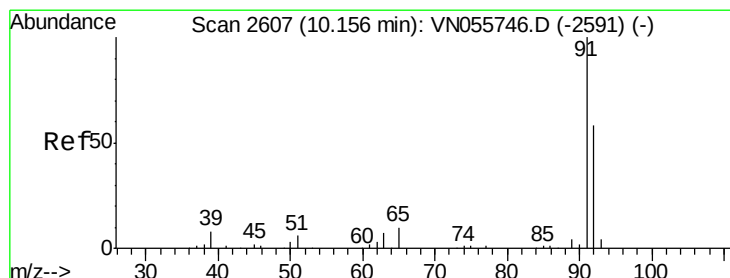
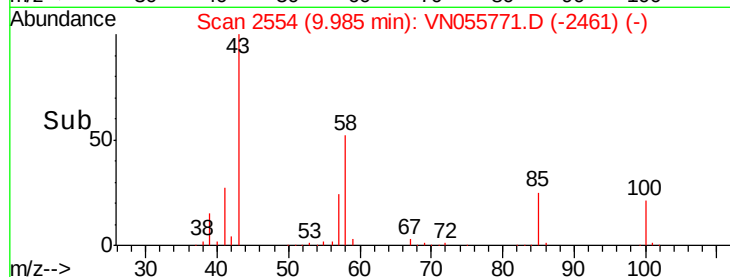


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.169 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055771.D

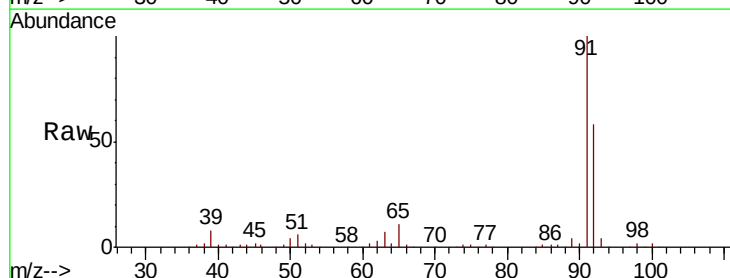
Acq: 23 May 2019 22:37

Tgt Ion: 92 Resp: 181129

Ion Ratio Lower Upper

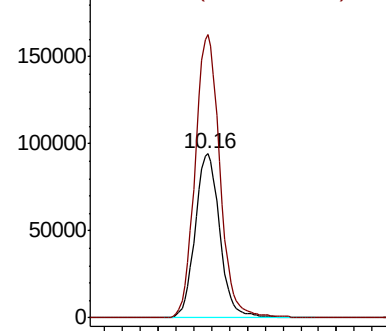
92 100

91 173.0 139.4 209.2

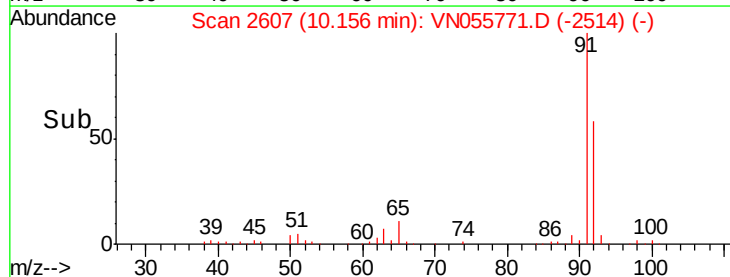


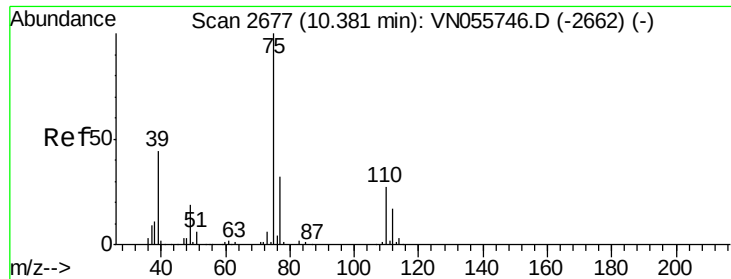
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 18.525 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampled :

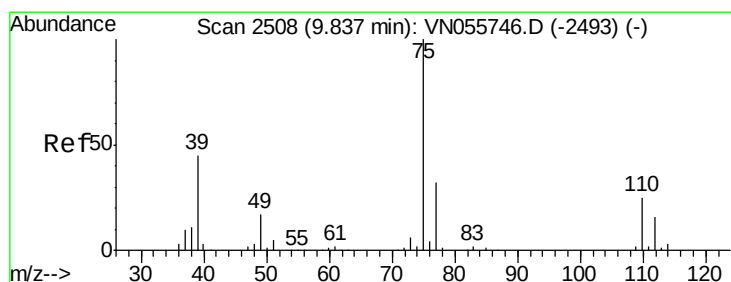
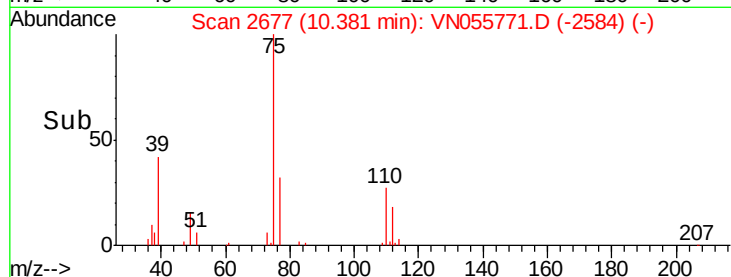
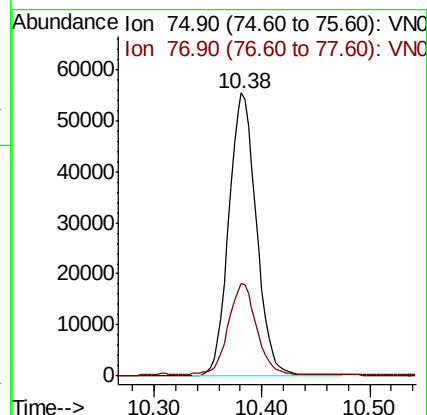
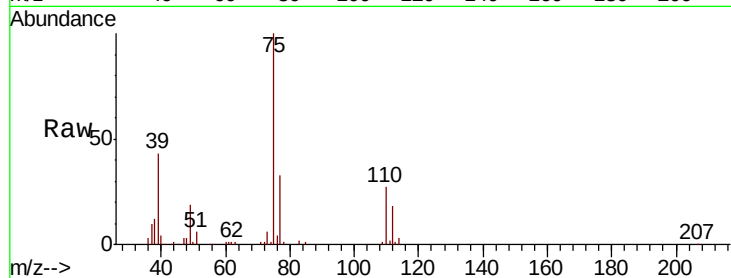
VN0523MBS01

Tot Ion: 75 Resp: 98931

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.931 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

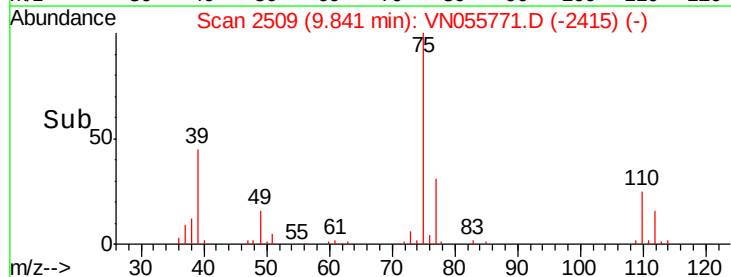
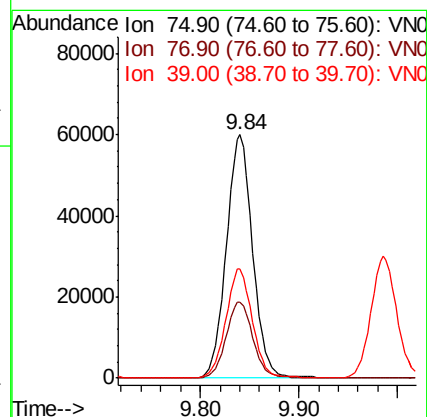
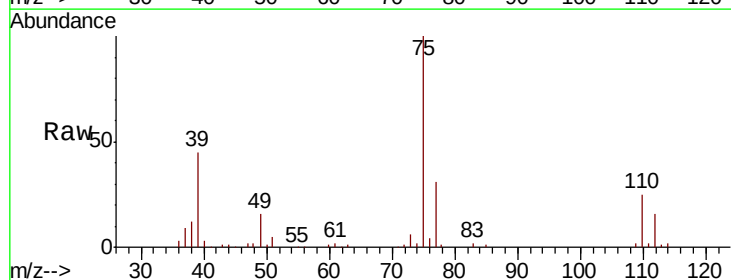
Tgt Ion: 75 Resp: 111994

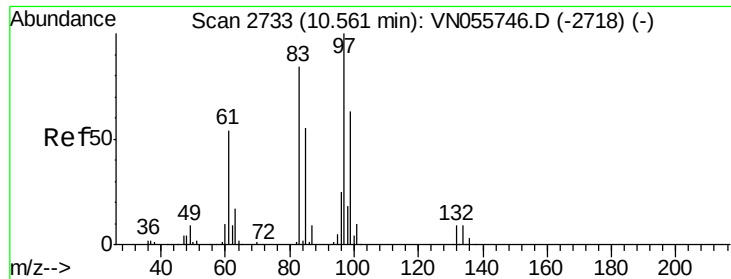
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 44.6 36.3 54.5

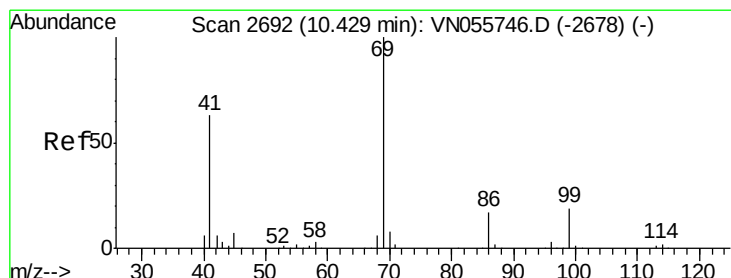
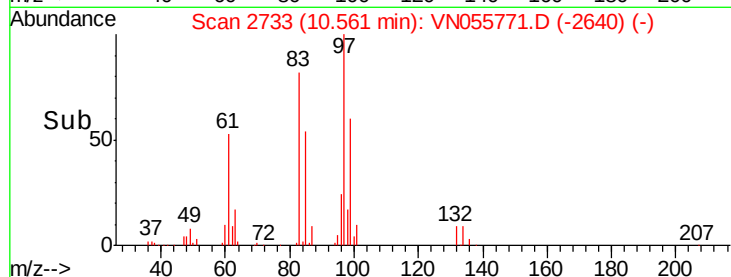
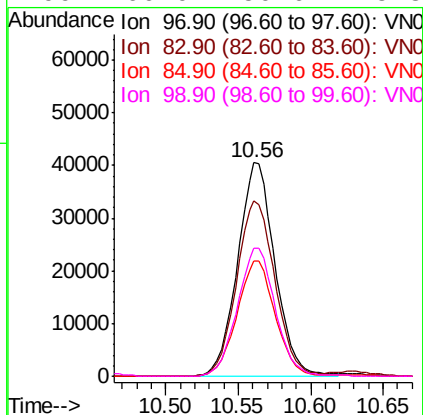
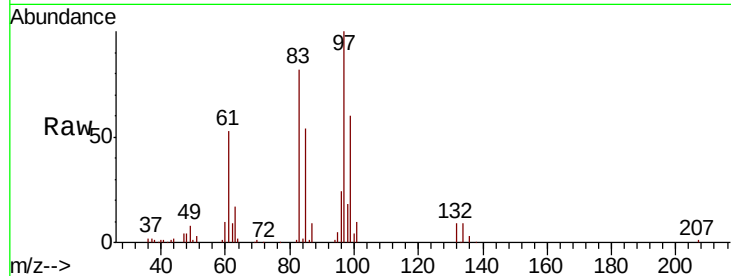




#55
 1,1,2-Trichloroethane
 Concen: 20.102 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

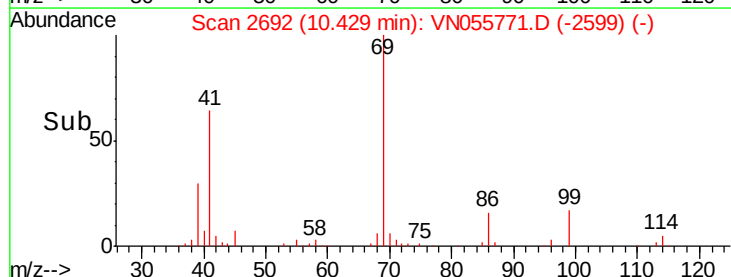
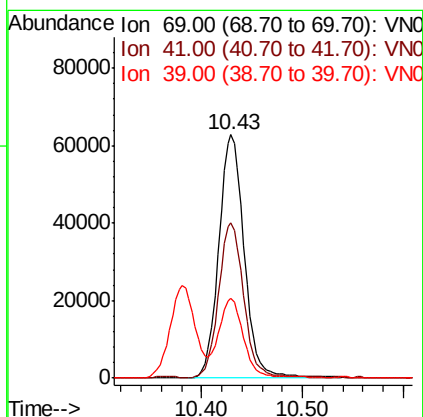
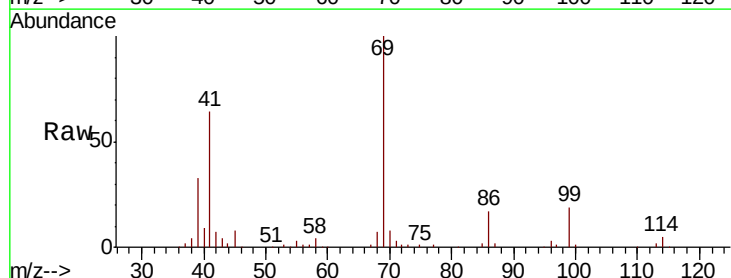
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBS01

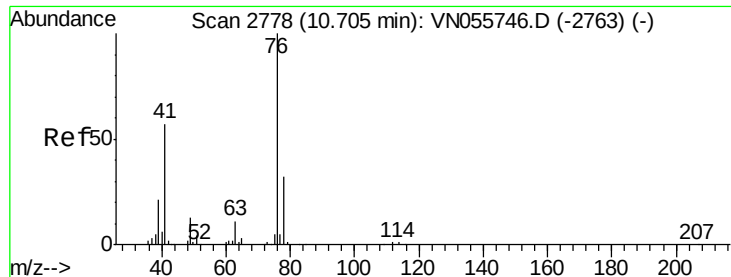
Tot Ion: 97 Resp: 72320
 Ion Ratio Lower Upper
 97 100
 83 82.0 67.0 100.6
 85 54.1 44.0 66.0
 99 60.0 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 19.936 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion: 69 Resp: 110847
 Ion Ratio Lower Upper
 69 100
 41 62.0 49.7 74.5
 39 31.5 24.7 37.1





#57

1,3-Dichloropropane

Concen: 19.821 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

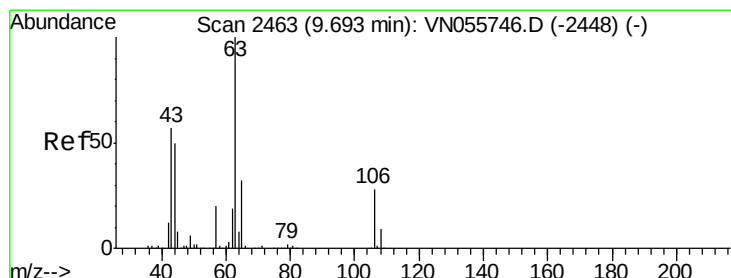
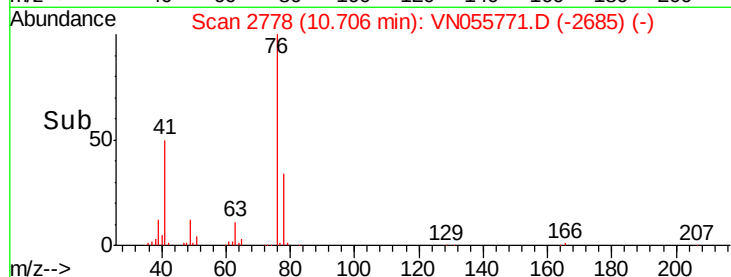
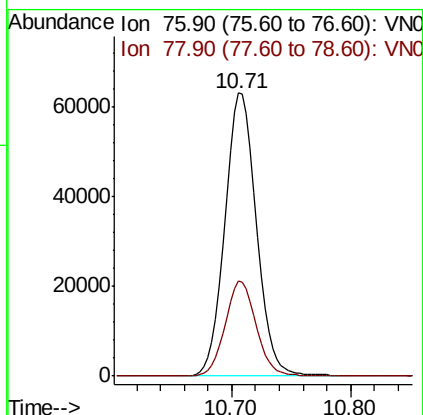
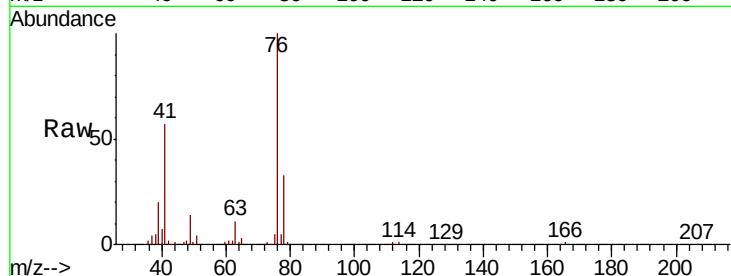
VN0523MBS01

Tot Ion: 76 Resp: 115916

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 92.848 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055771.D

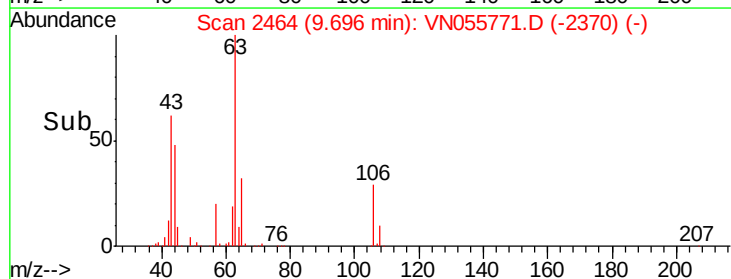
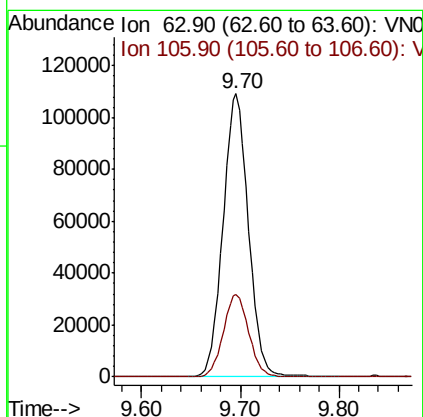
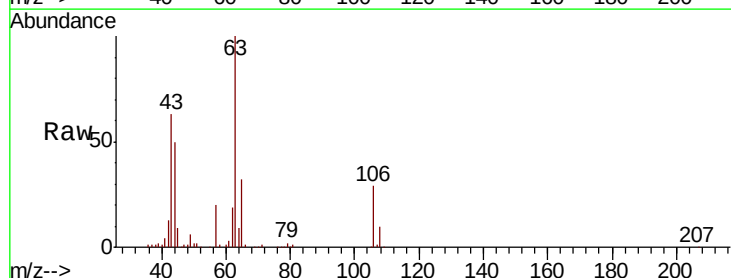
Acq: 23 May 2019 22:37

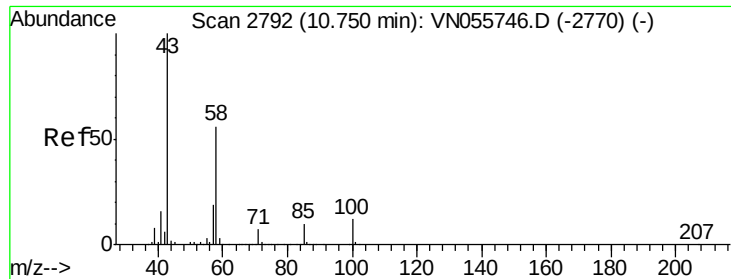
Tgt Ion: 63 Resp: 197291

Ion Ratio Lower Upper

63 100

106 29.0 22.7 34.1

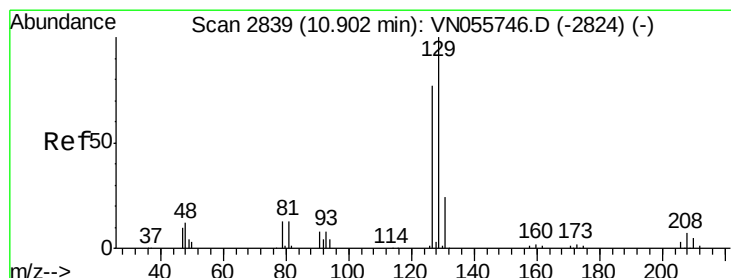
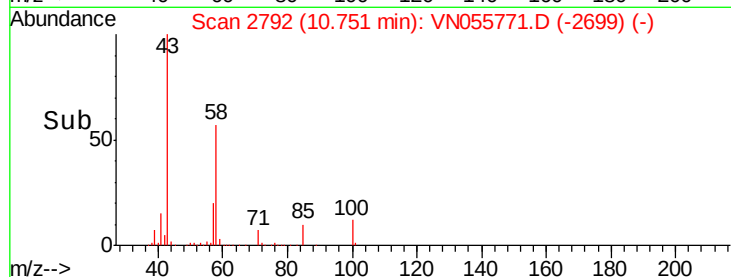
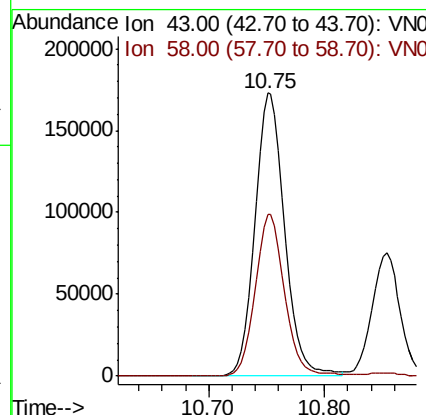
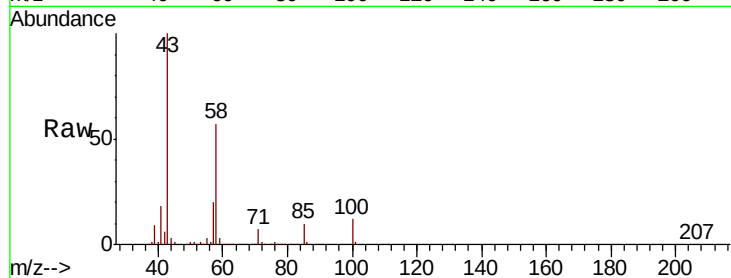




#59
2-Hexanone
Concen: 95.456 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

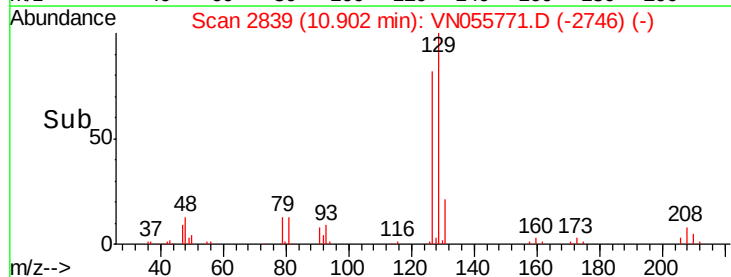
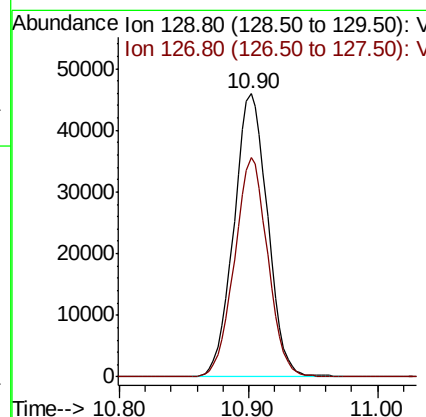
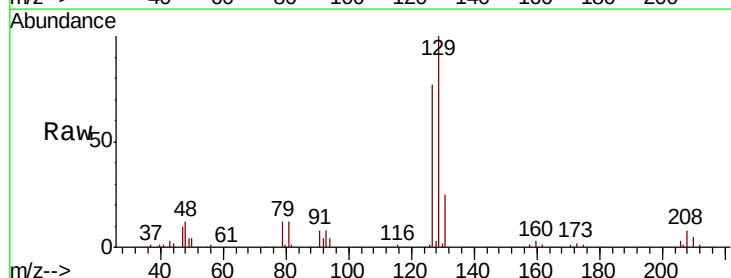
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

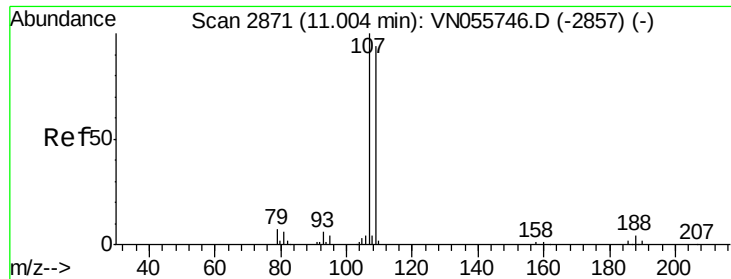
Tot Ion: 43 Resp: 307709
Ion Ratio Lower Upper
43 100
58 56.7 28.2 84.7



#60
Dibromochloromethane
Concen: 19.918 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 129 Resp: 83478
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3

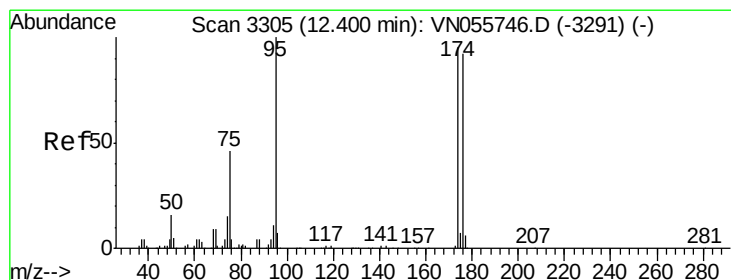
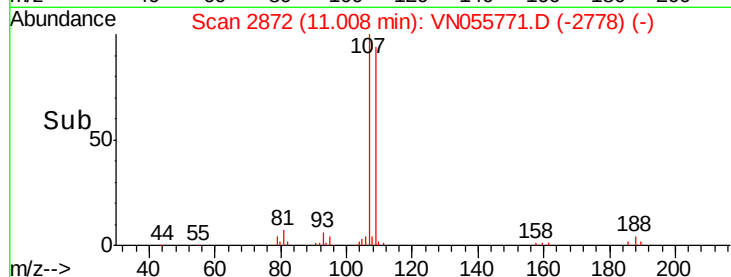
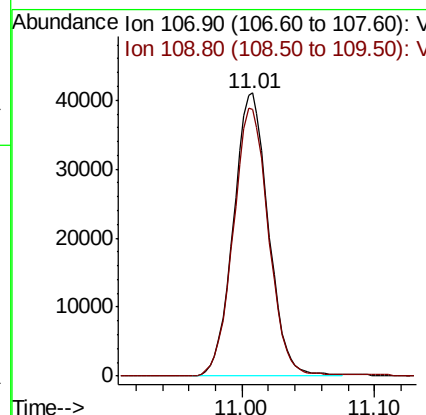
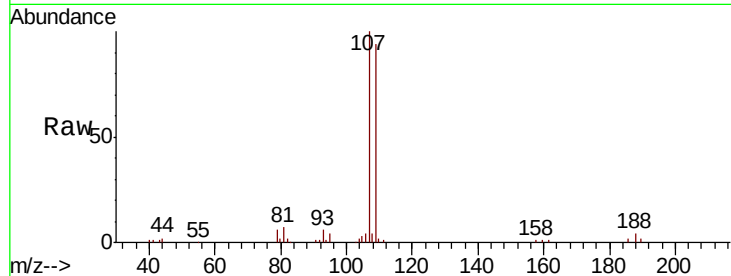




#61
 1,2-Dibromoethane
 Concen: 20.167 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

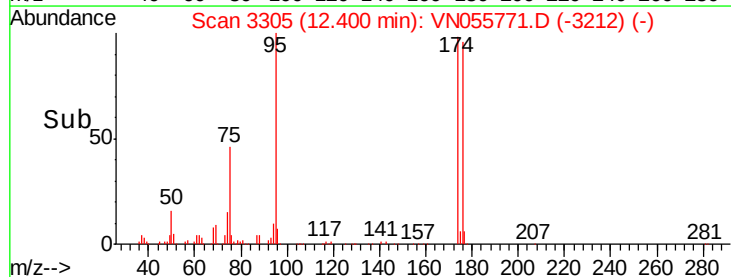
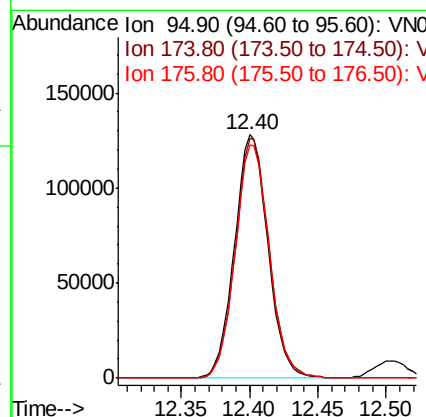
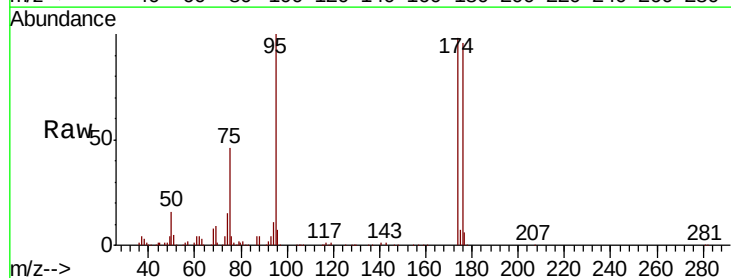
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBS01

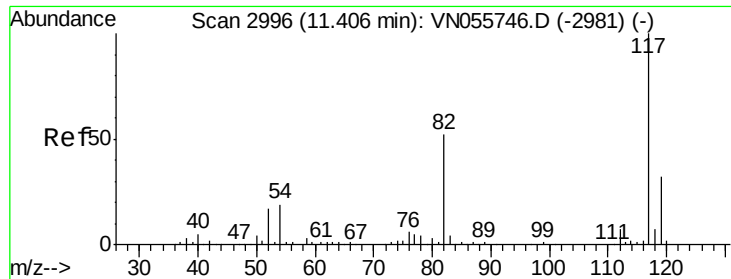
Tot Ion:107 Resp: 75257
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.196 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion: 95 Resp: 217898
 Ion Ratio Lower Upper
 95 100
 174 99.2 0.0 191.0
 176 97.2 0.0 185.2

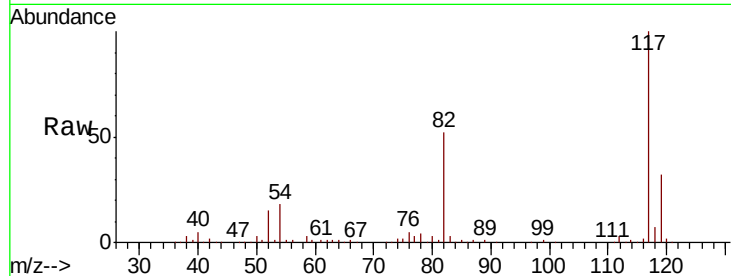




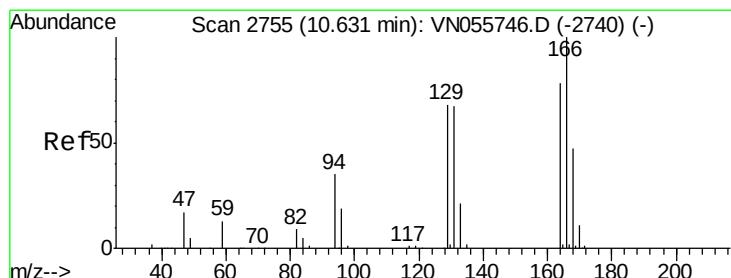
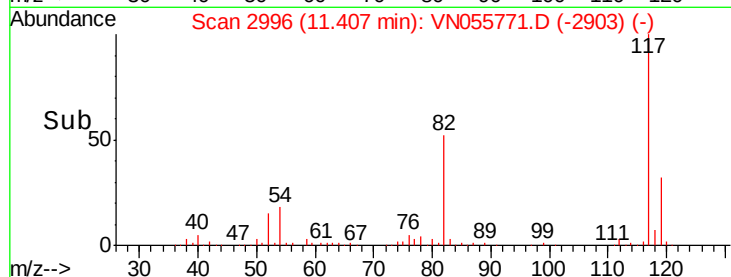
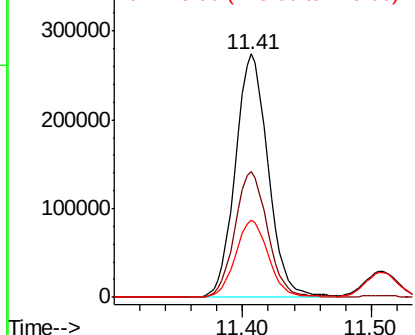
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

Tot Ion:117 Resp: 484913
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 31.6 25.4 38.0

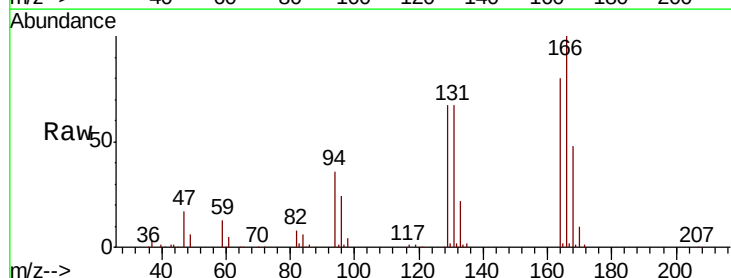


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

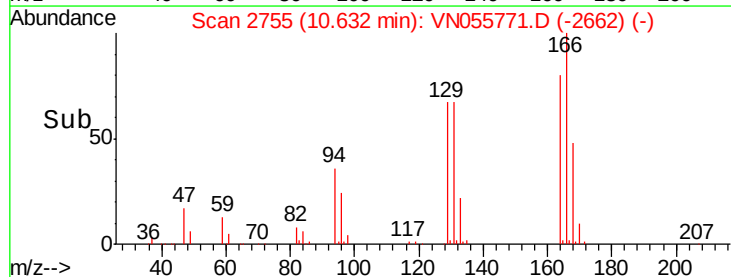
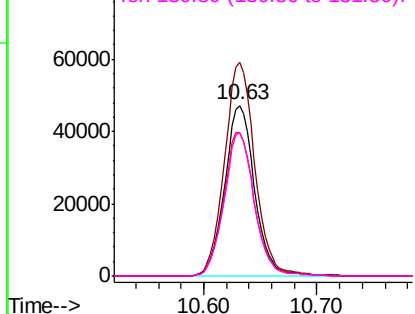


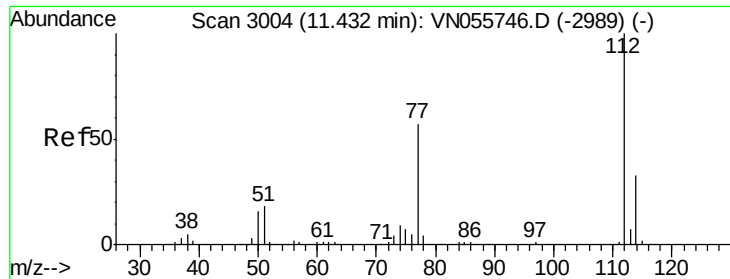
#64
Tetrachloroethene
Concen: 21.267 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion:164 Resp: 86978
Ion Ratio Lower Upper
164 100
166 125.1 103.0 154.6
129 83.9 70.6 105.8
131 83.6 68.6 102.8



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

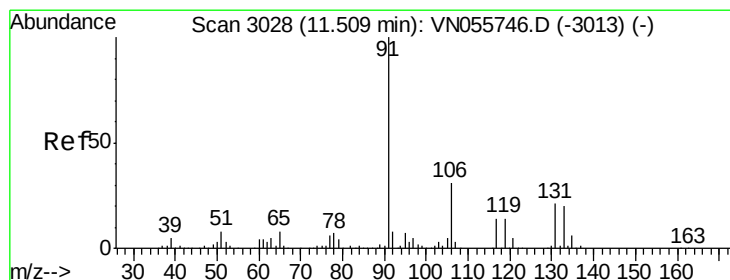
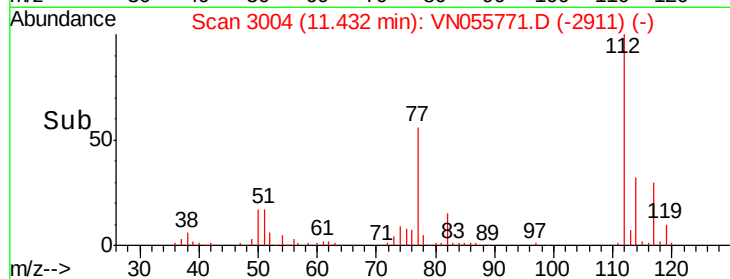
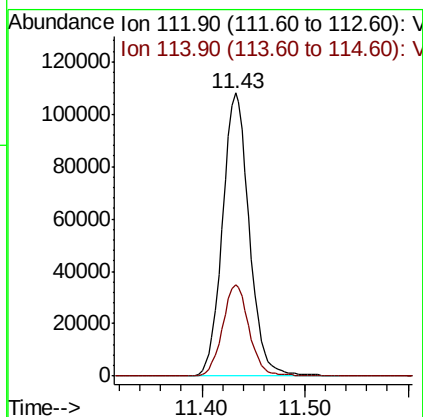
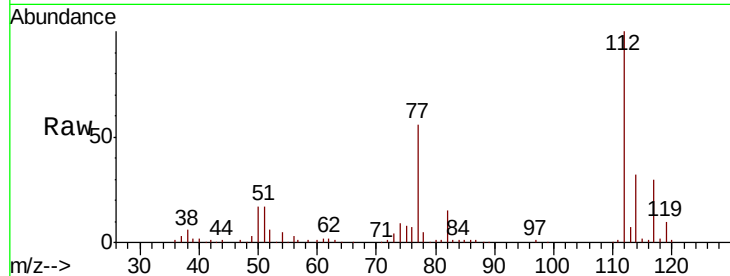




#65
Chlorobenzene
Concen: 20.119 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

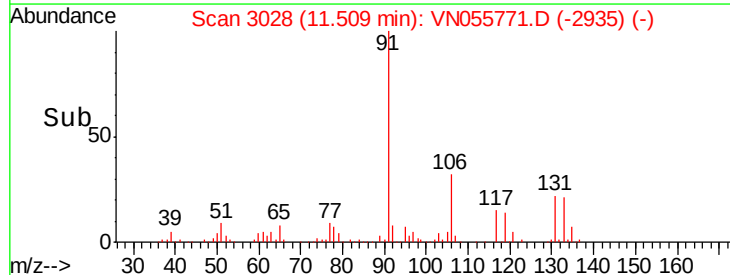
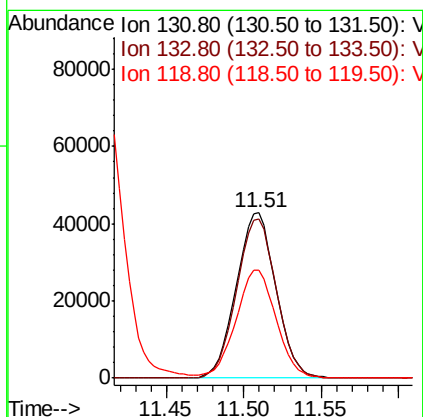
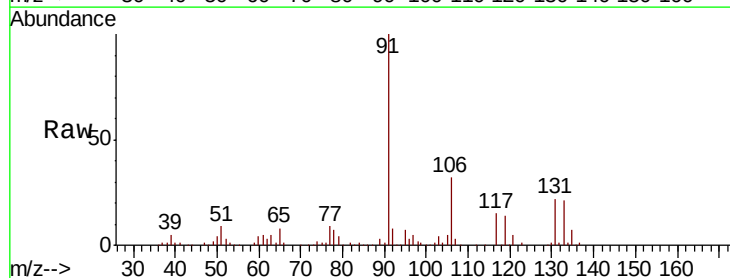
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

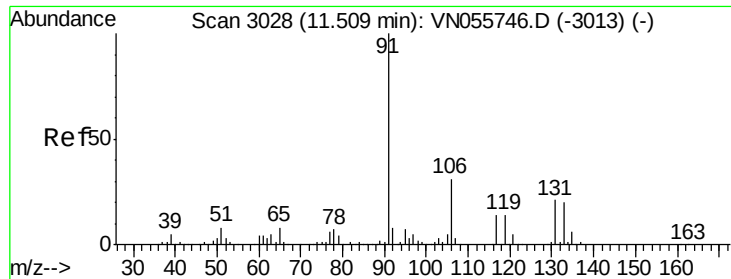
Tot Ion:112 Resp: 195306
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.669 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion:131 Resp: 76150
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.0
119 66.6 33.1 99.5

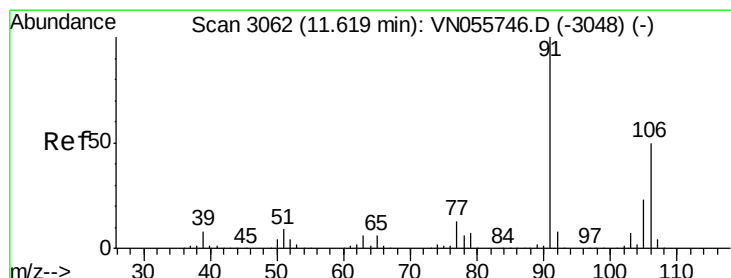
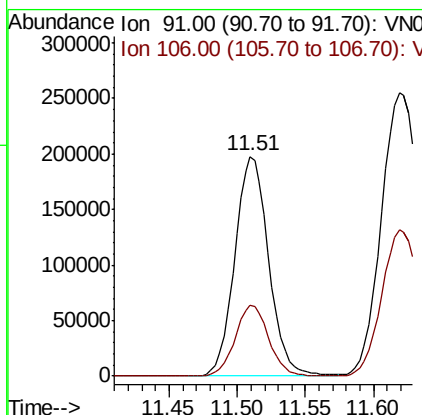
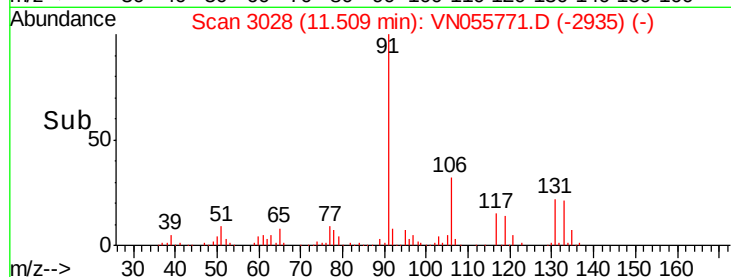
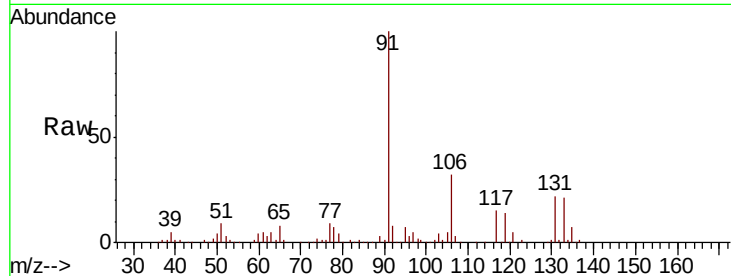




#67
Ethyl Benzene
Concen: 19.560 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

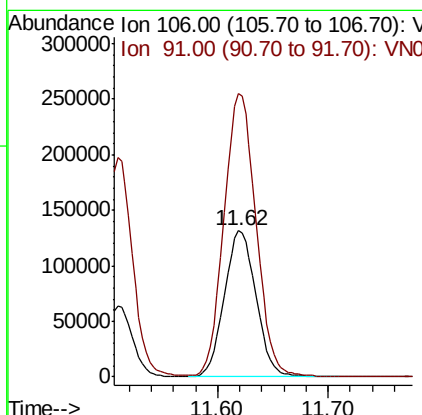
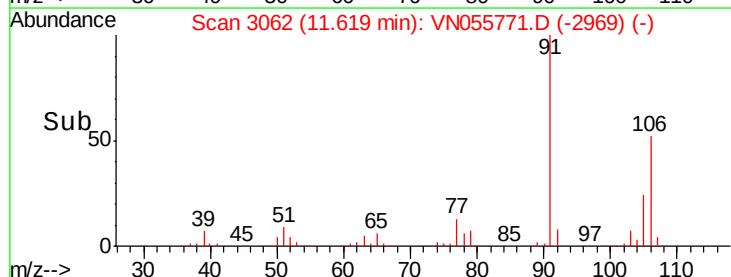
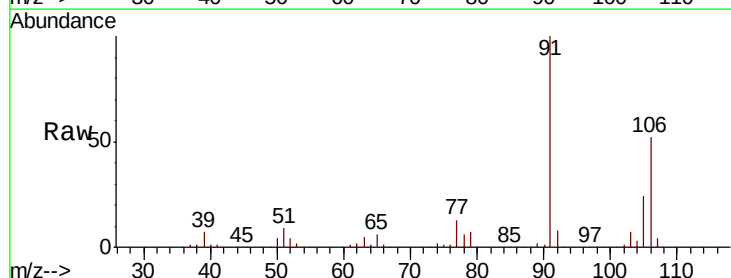
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

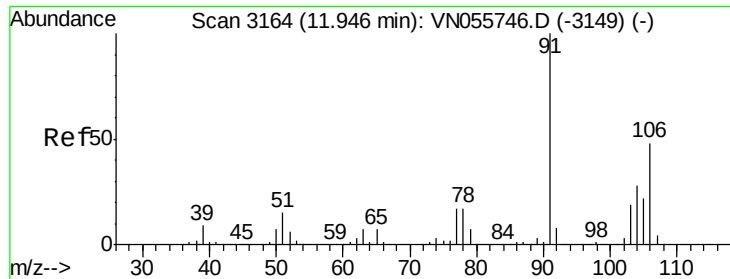
Tot Ion: 91 Resp: 340510
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 39.900 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion: 106 Resp: 262584
Ion Ratio Lower Upper
106 100
91 196.4 159.3 238.9

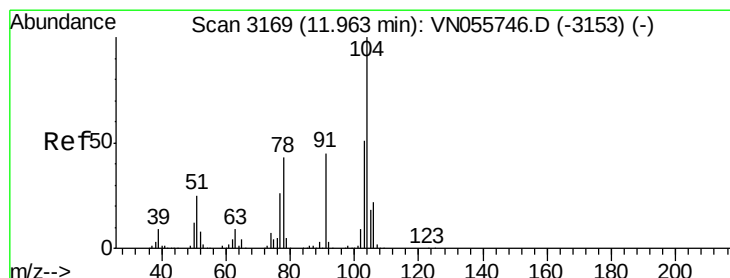
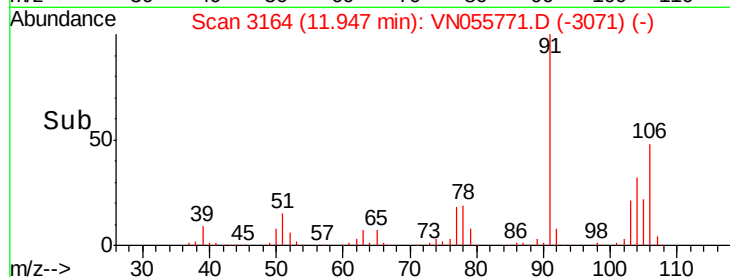
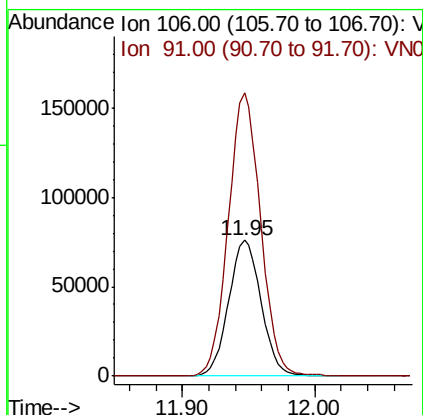
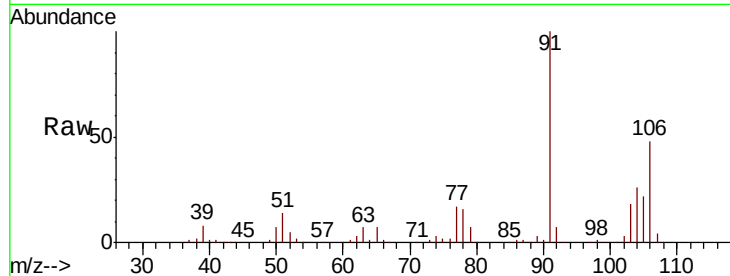




#69
o-Xylene
Concen: 19.777 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

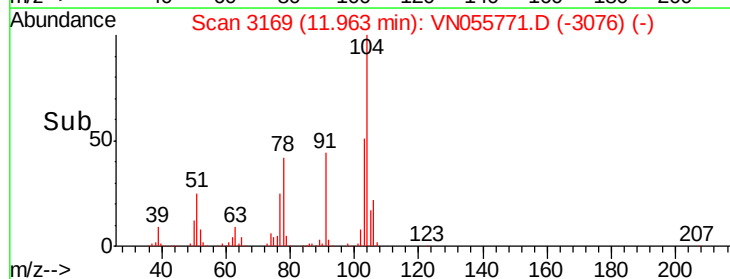
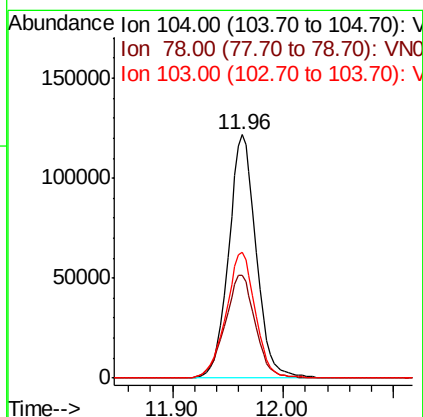
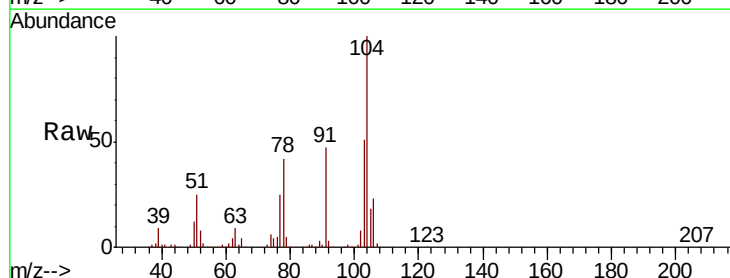
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBS01

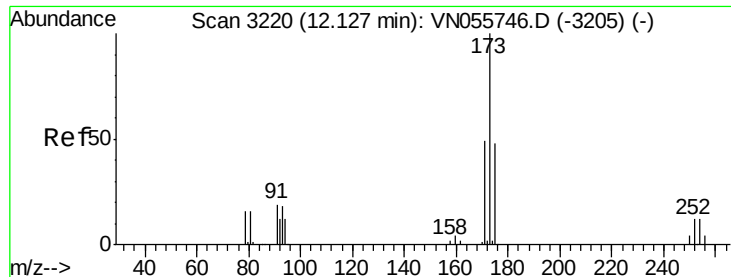
Tot Ion:106 Resp: 129130
Ion Ratio Lower Upper
106 100
91 207.8 104.7 314.1



#70
Styrene
Concen: 19.803 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055771.D
Acq: 23 May 2019 22:37

Tgt Ion:104 Resp: 209392
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 55.4 44.2 66.2





#71

Bromoform

Concen: 20.074 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

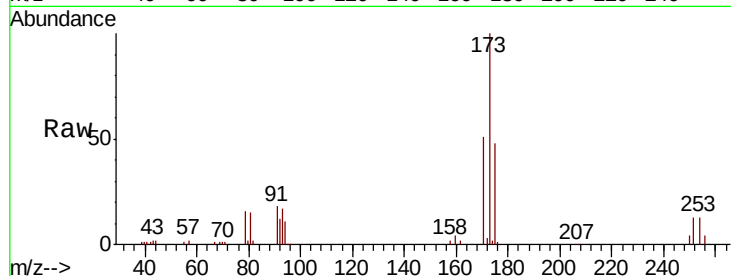
Tot Ion:173 Resp: 66293

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

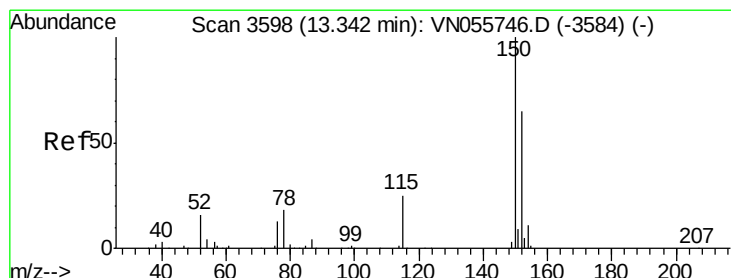
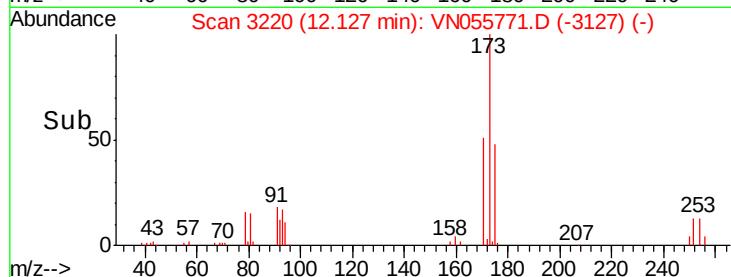
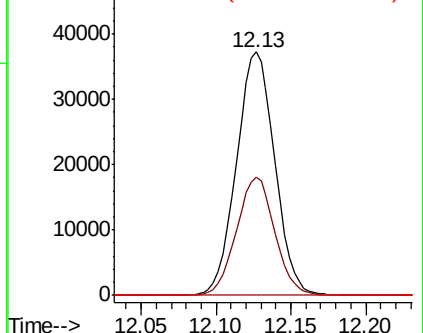
254 0.0 0.0 0.0



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: VN055771.D

Acq: 23 May 2019 22:37

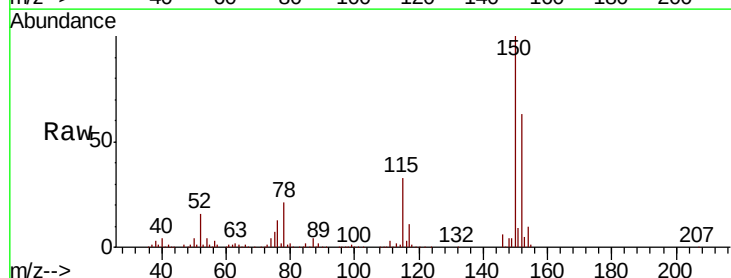
Tgt Ion:152 Resp: 207384

Ion Ratio Lower Upper

152 100

115 52.1 27.0 81.0

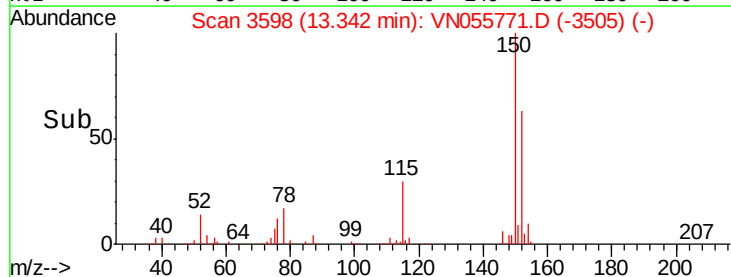
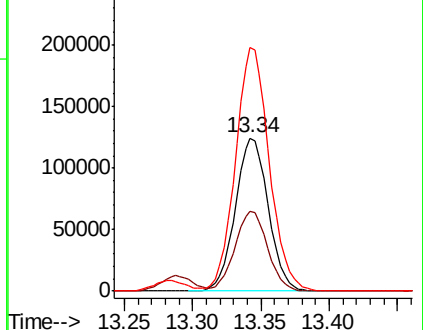
150 163.4 0.0 343.2

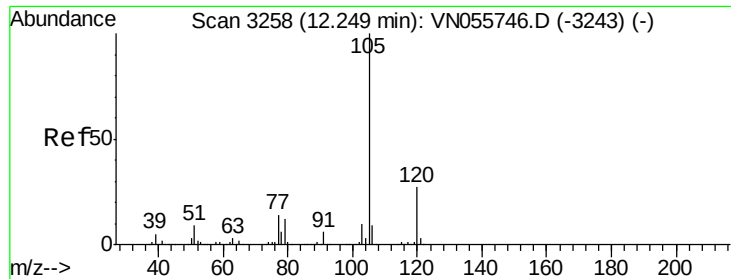


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.692 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

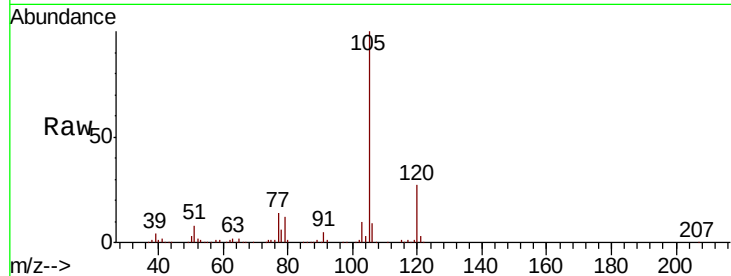
VN0523MBS01

Tot Ion:105 Resp: 342274

Ion Ratio Lower Upper

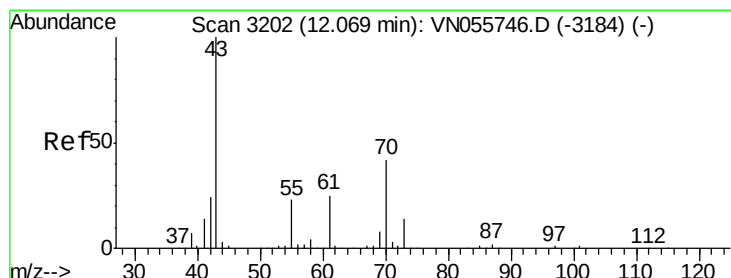
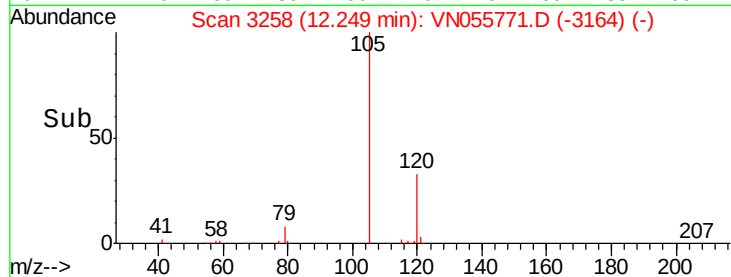
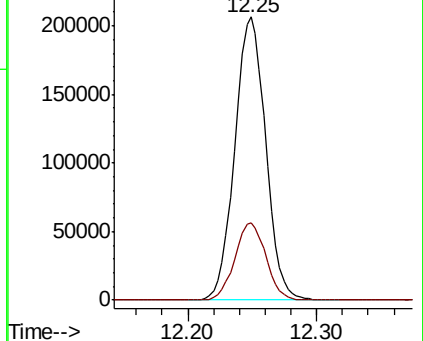
105 100

120 27.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.848 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Tgt Ion: 43 Resp: 119179

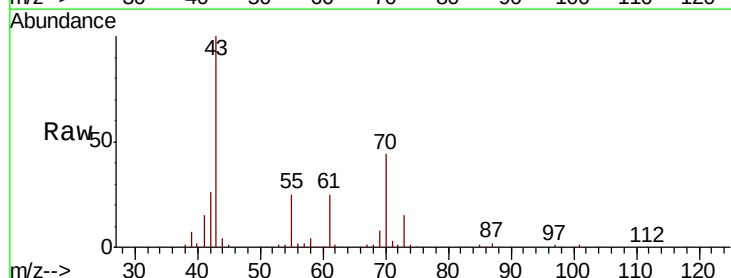
Ion Ratio Lower Upper

43 100

70 44.0 34.0 51.0

55 25.6 18.6 28.0

61 25.0 20.0 30.0

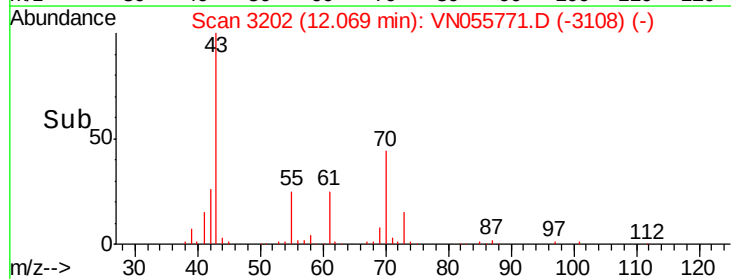
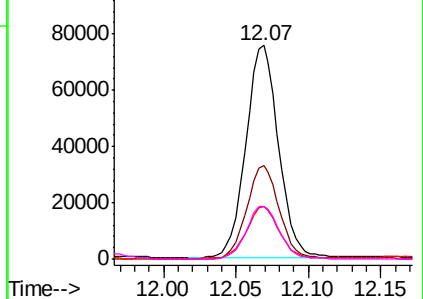


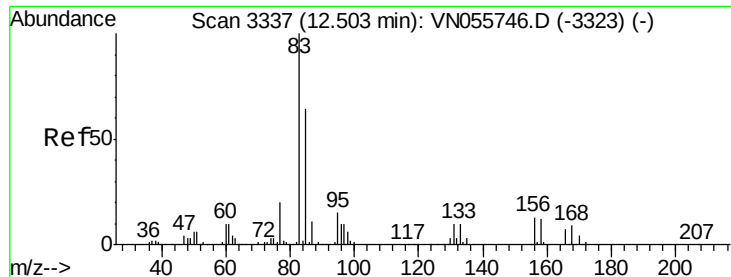
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.196 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

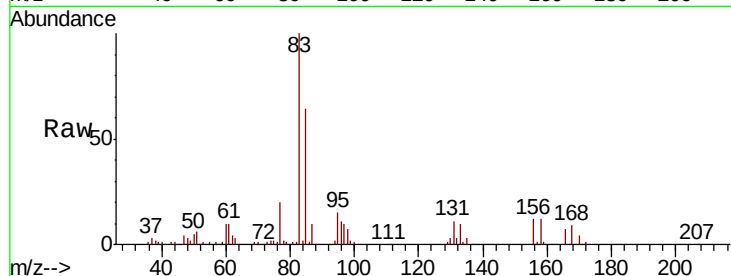
Tot Ion: 83 Resp: 100942

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

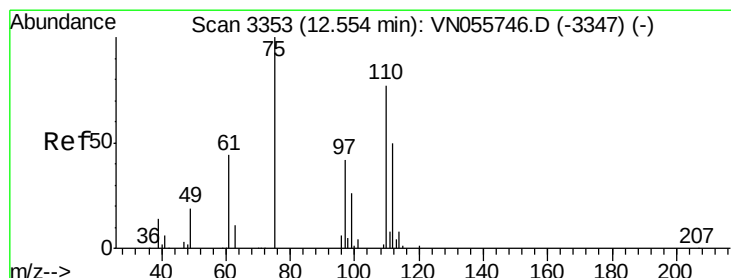
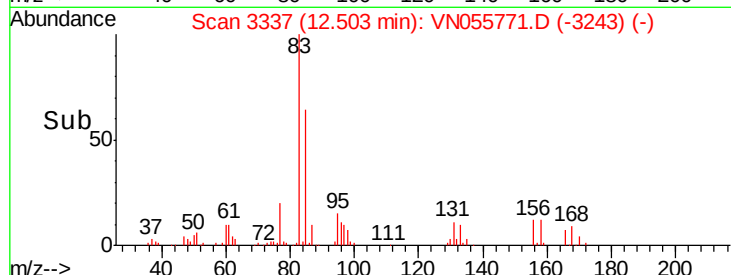
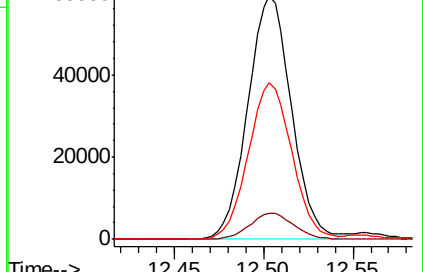
85 64.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055771.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055771.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055771.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 32.616 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055771.D

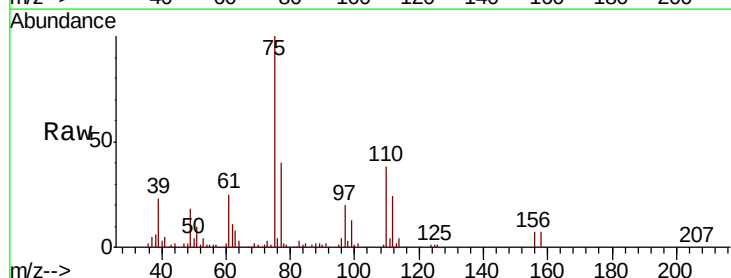
Acq: 23 May 2019 22:37

Tgt Ion: 75 Resp: 120381

Ion Ratio Lower Upper

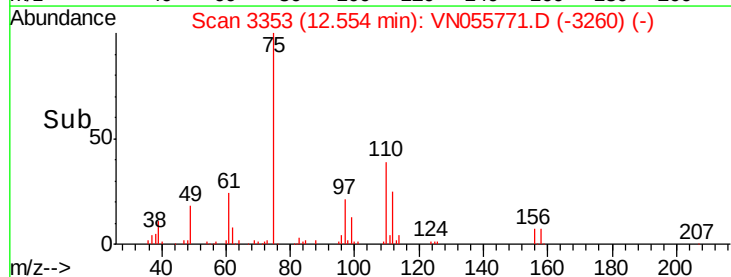
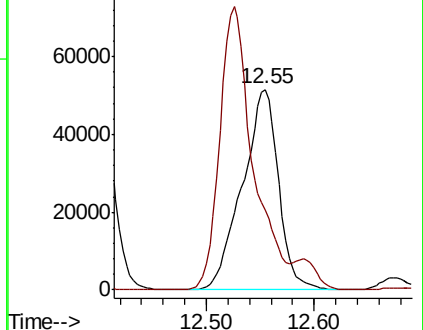
75 100

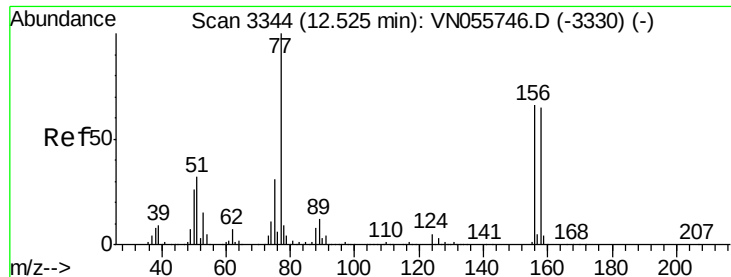
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055771.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055771.D (-3260) (-)





#77

Bromobenzene

Concen: 20.482 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

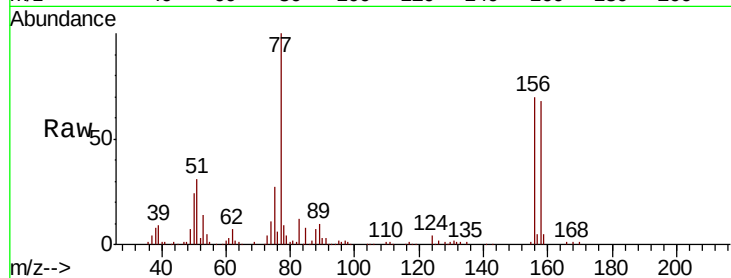
Tot Ion:156 Resp: 90639

Ion Ratio Lower Upper

156 100

77 172.4 90.8 272.5

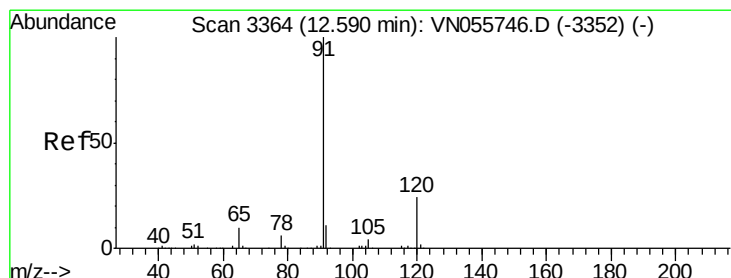
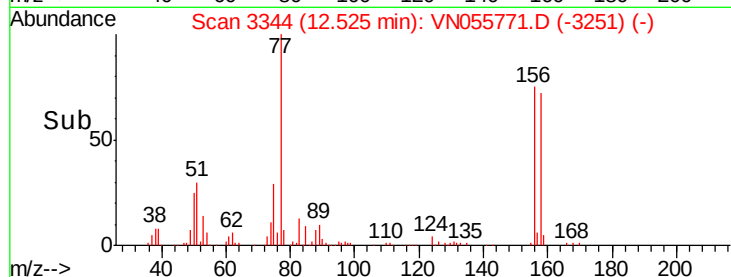
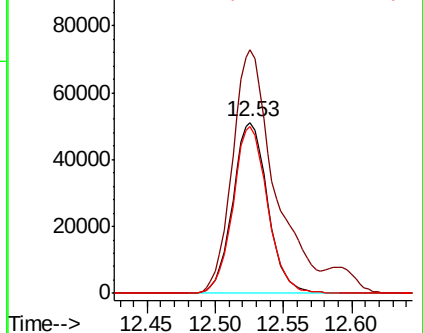
158 96.4 49.3 147.8



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: 19.656 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055771.D

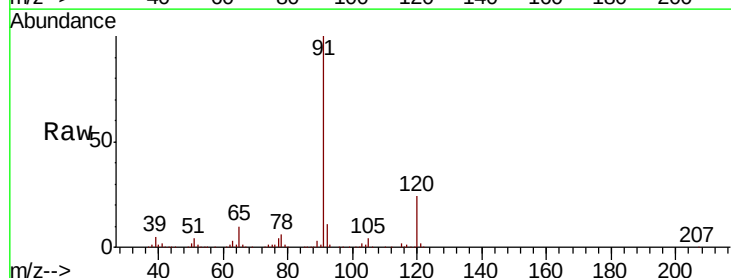
Acq: 23 May 2019 22:37

Tgt Ion: 91 Resp: 354284

Ion Ratio Lower Upper

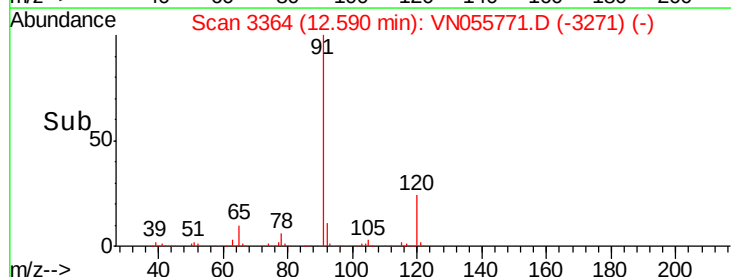
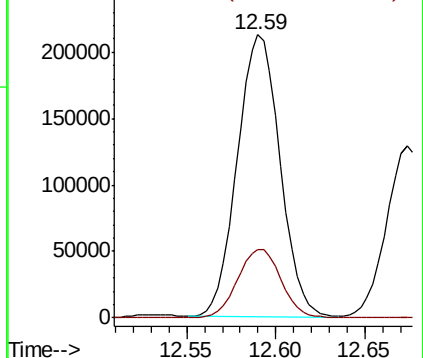
91 100

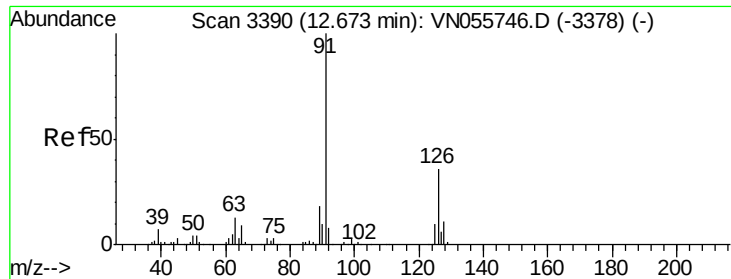
120 24.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.837 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

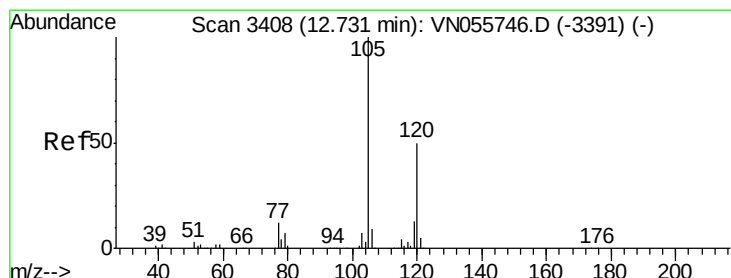
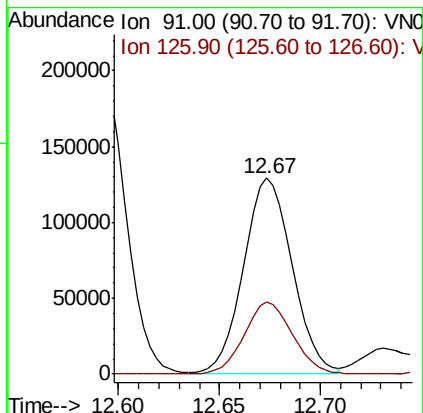
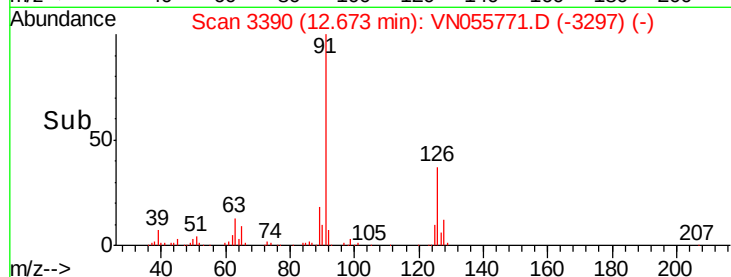
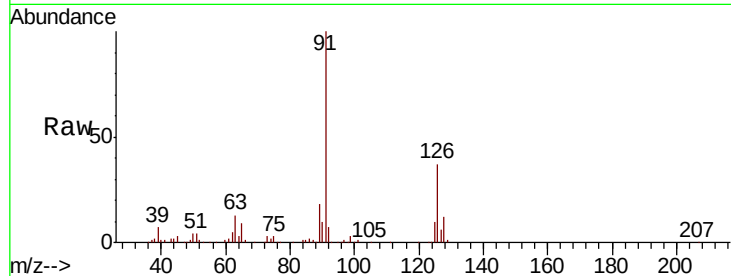
VN0523MBS01

Tot Ion: 91 Resp: 216733

Ion Ratio Lower Upper

91 100

126 37.0 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.289 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055771.D

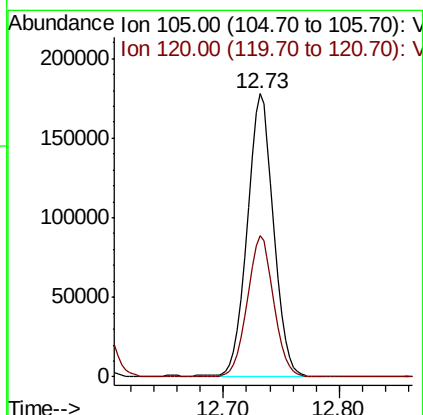
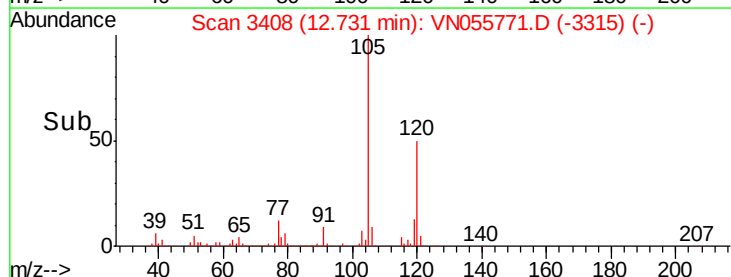
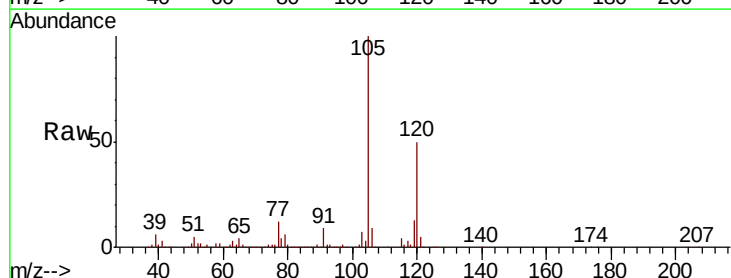
Acq: 23 May 2019 22:37

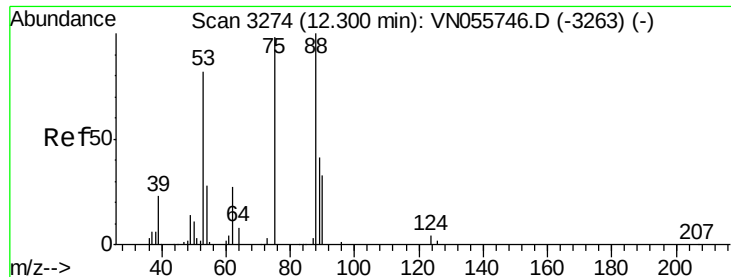
Tgt Ion: 105 Resp: 282605

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.673 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

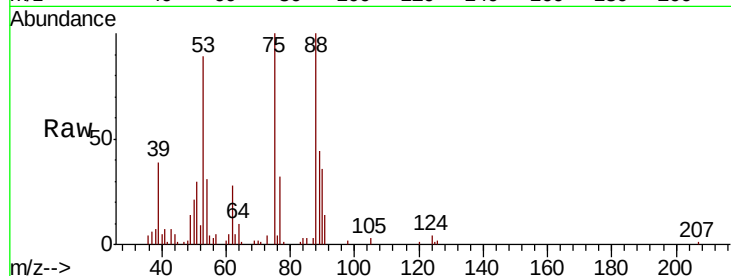
Tot Ion: 75 Resp: 27240

Ion Ratio Lower Upper

75 100

53 90.3 68.1 102.1

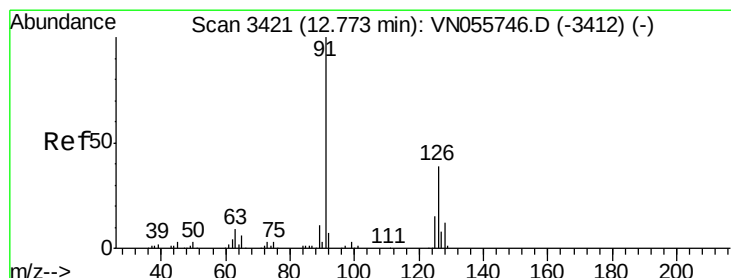
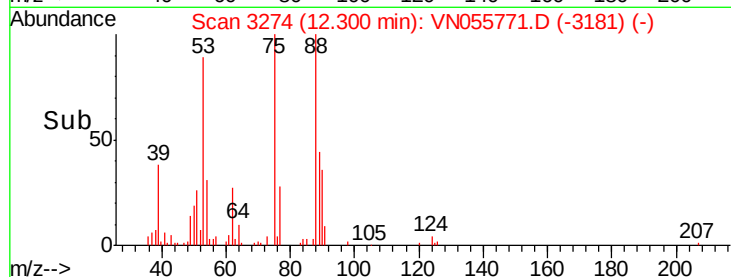
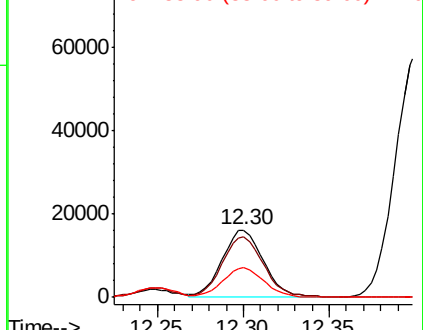
89 44.3 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN055771.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055771.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055771.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 19.394 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055771.D

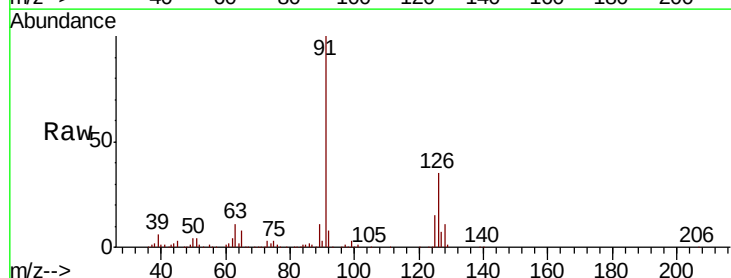
Acq: 23 May 2019 22:37

Tgt Ion: 91 Resp: 205482

Ion Ratio Lower Upper

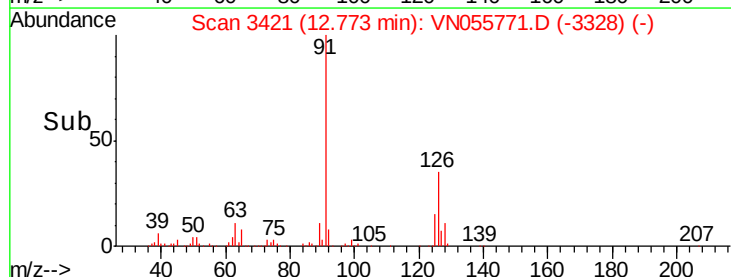
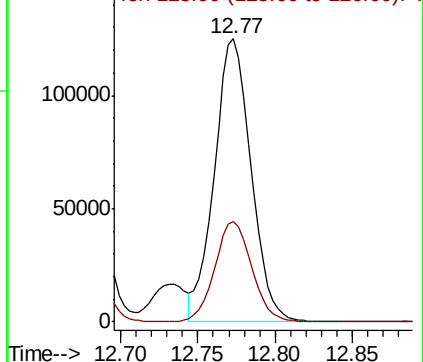
91 100

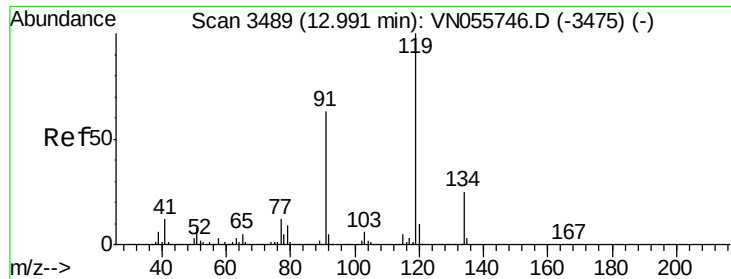
126 35.9 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN055771.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN055771.D (-3328) (-)

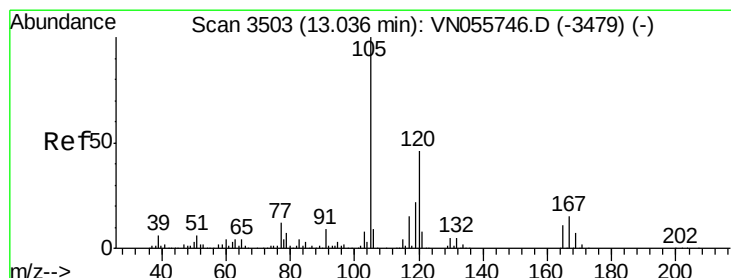
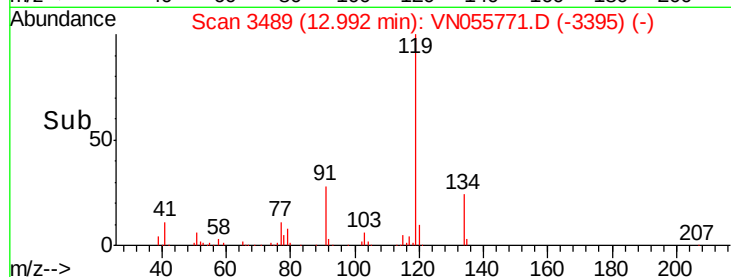
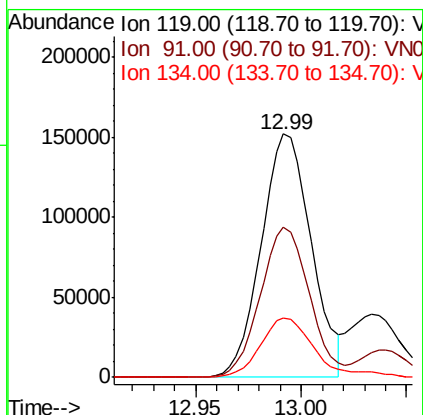
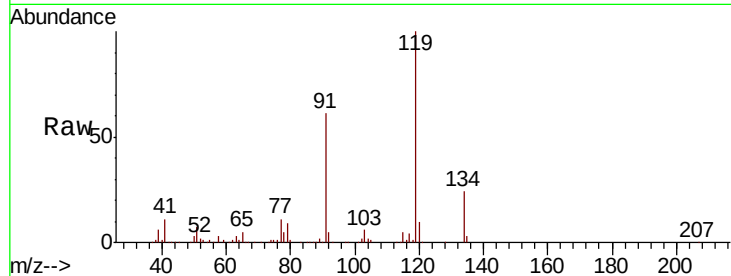




#83
 tert-Butylbenzene
 Concen: 21.733 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

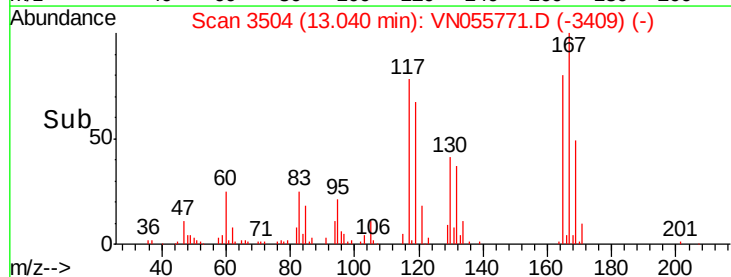
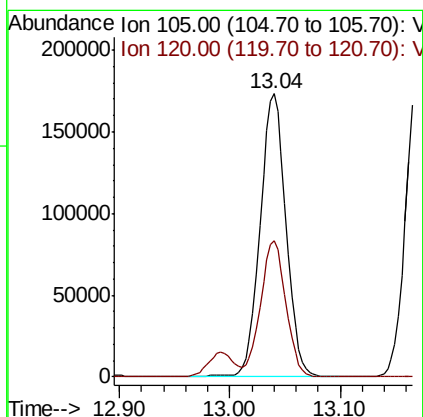
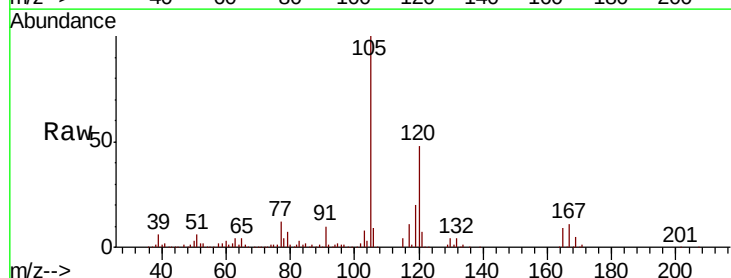
Instrument :
 MSVOA_N
 ClientSampled :
 VN0523MBS01

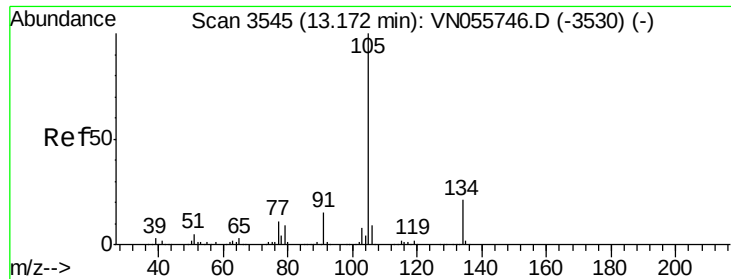
Tot Ion:119 Resp: 251635
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.9 92.8
 134 26.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.404 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion:105 Resp: 281935
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.088 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampled :

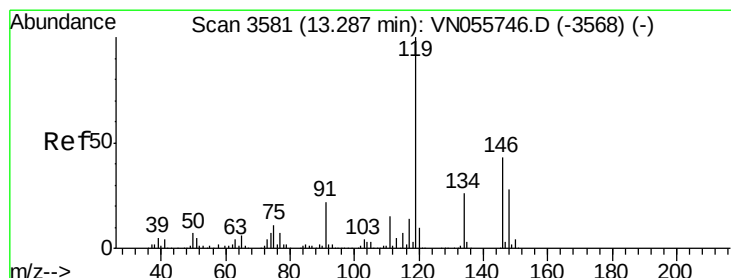
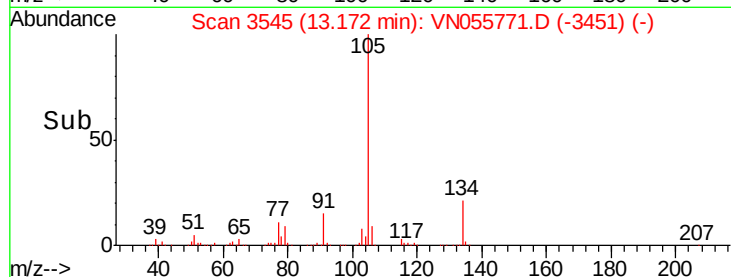
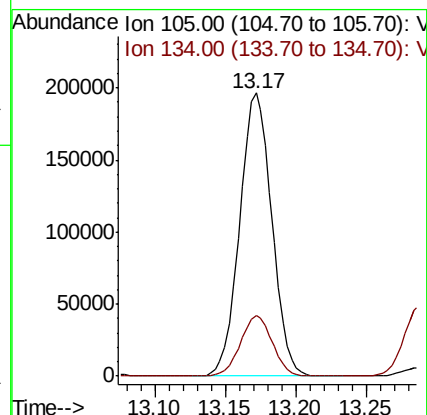
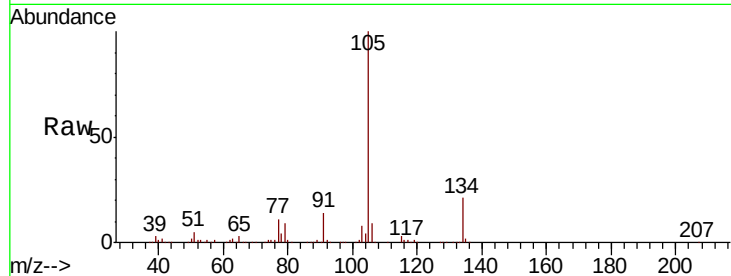
VN0523MBS01

Tot Ion:105 Resp: 313466

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.2



#86

p-Isopropyltoluene

Concen: 19.944 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

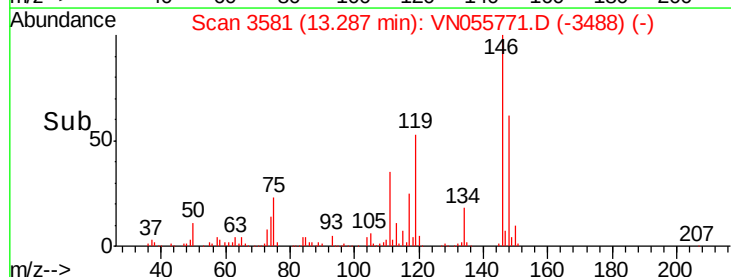
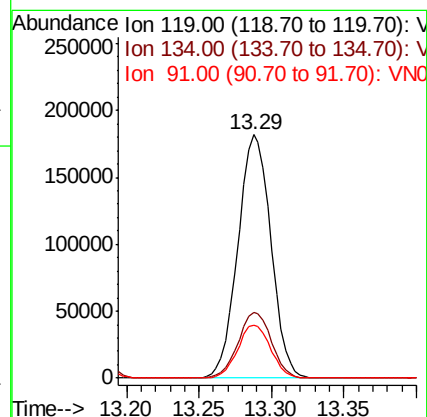
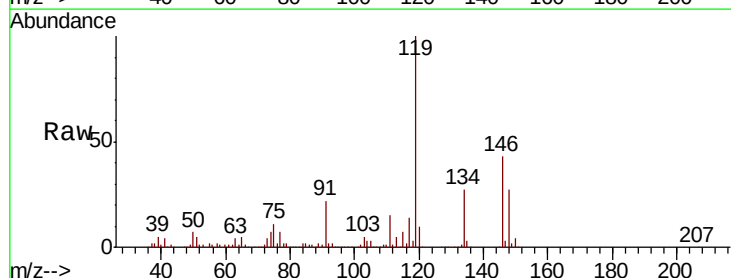
Tgt Ion:119 Resp: 287231

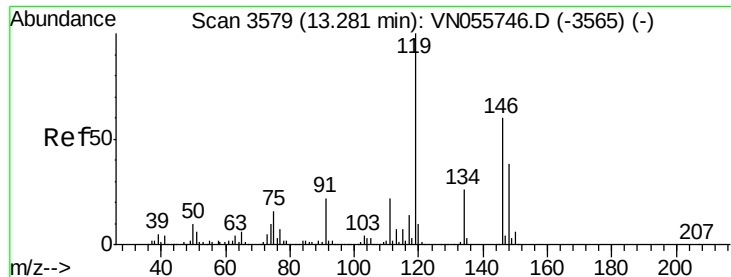
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.6 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.138 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

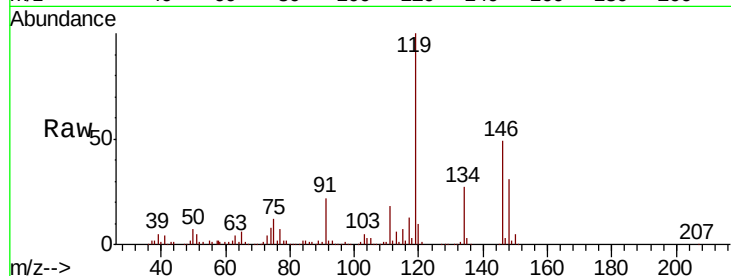
Tot Ion:146 Resp: 141115

Ion Ratio Lower Upper

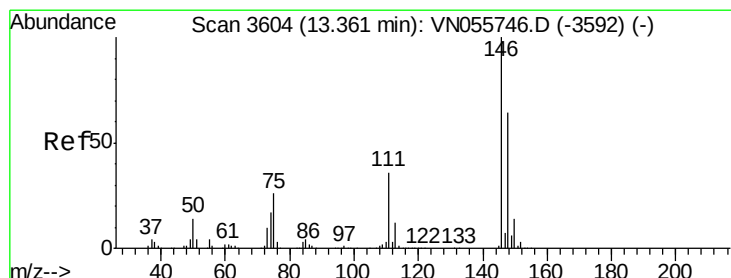
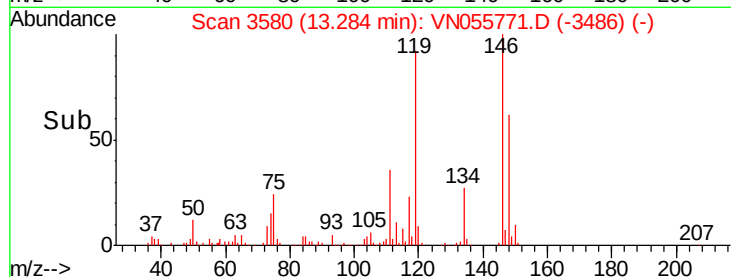
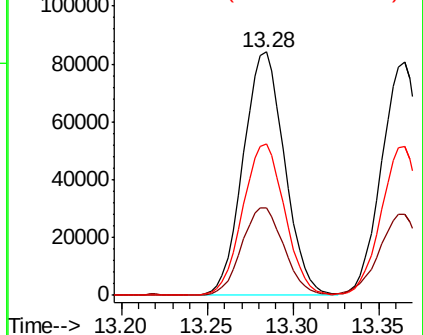
146 100

111 36.6 18.5 55.5

148 63.1 32.0 96.2



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: 20.063 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

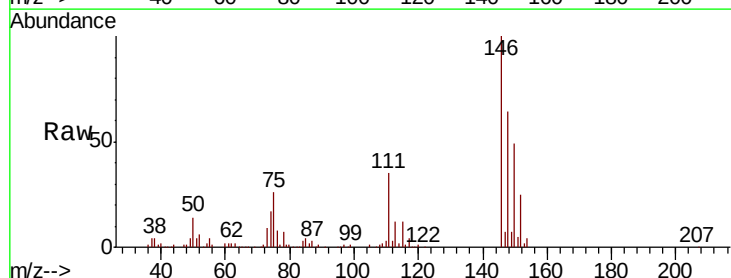
Tgt Ion:146 Resp: 133663

Ion Ratio Lower Upper

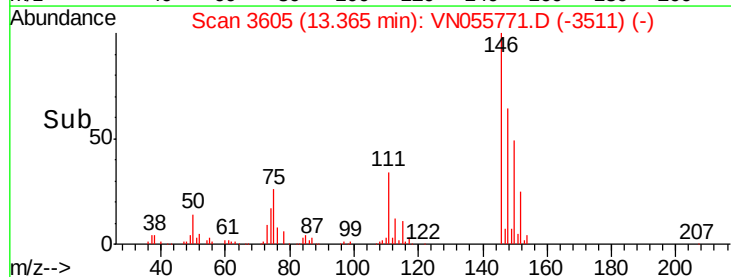
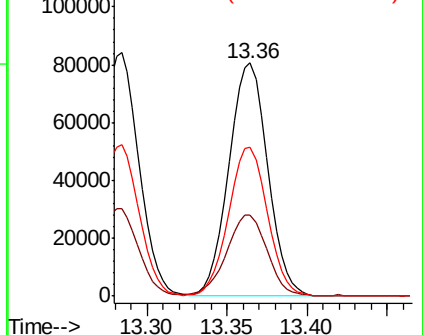
146 100

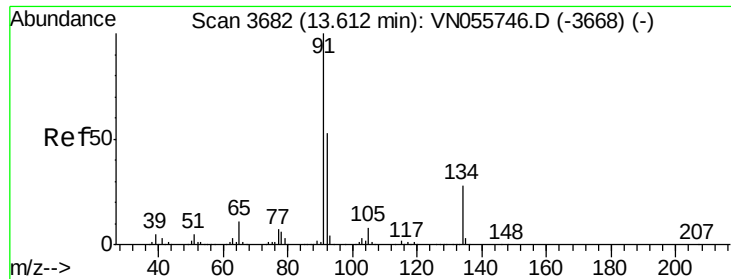
111 36.8 18.1 54.4

148 64.0 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





#89

n-Butylbenzene

Concen: 19.121 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

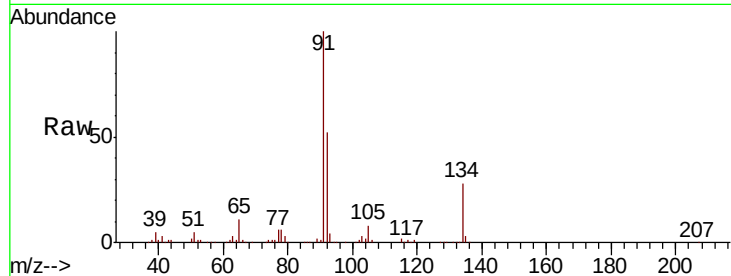
Tot Ion: 91 Resp: 210998

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

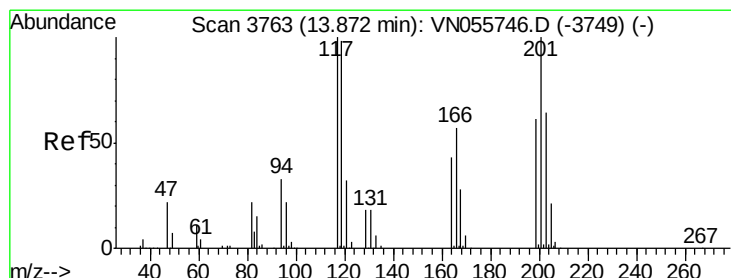
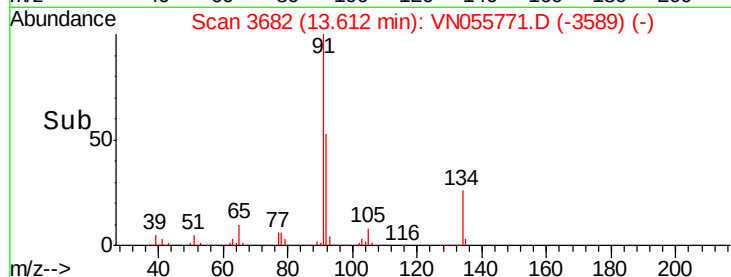
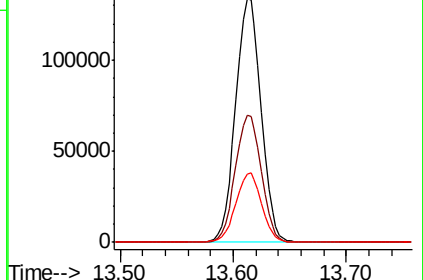
134 28.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055771.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN055771.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN055771.D (-3682) (-)



#90

Hexachloroethane

Concen: 19.525 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055771.D

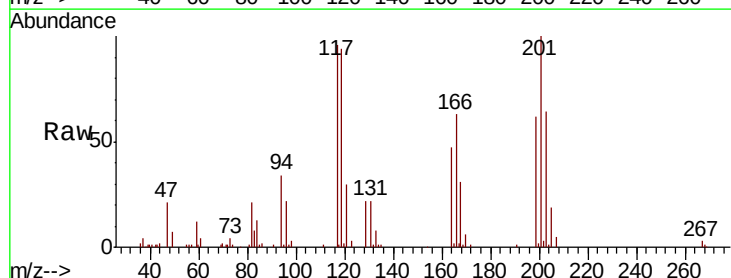
Acq: 23 May 2019 22:37

Tgt Ion: 117 Resp: 53523

Ion Ratio Lower Upper

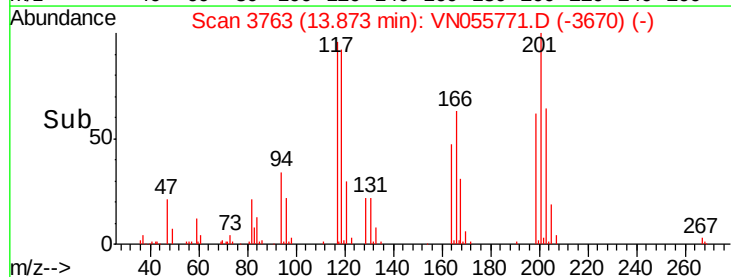
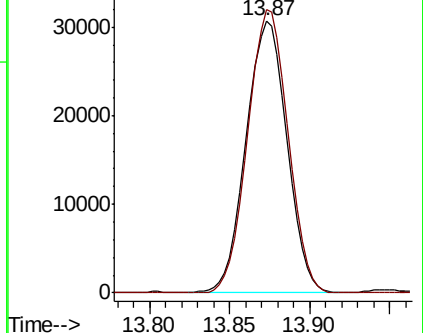
117 100

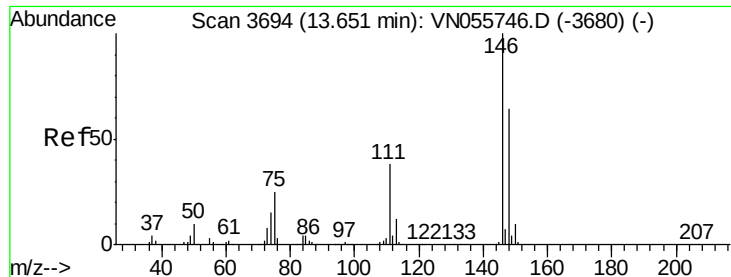
201 102.6 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055771.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN055771.D (-3763) (-)





#91

1,2-Dichlorobenzene

Concen: 20.035 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampled :

VN0523MBS01

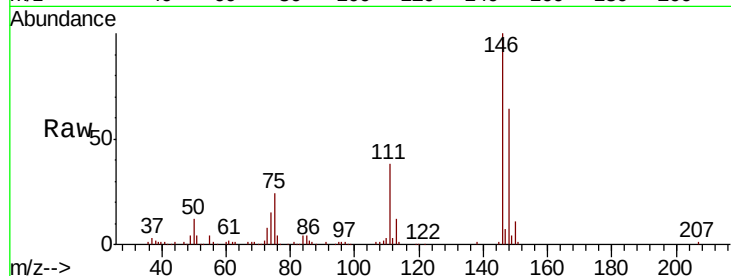
Tot Ion:146 Resp: 140069

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.5

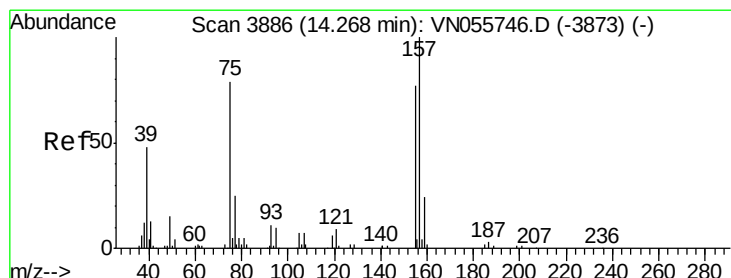
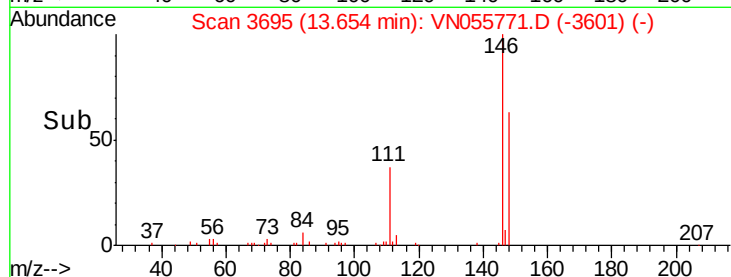
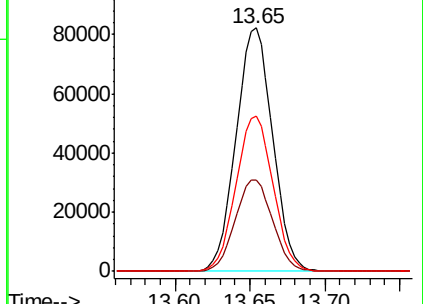
148 64.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.078 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

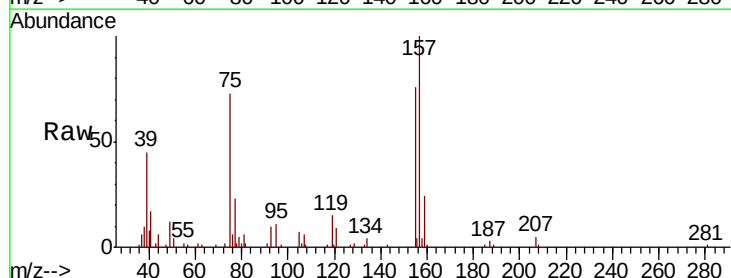
Tgt Ion: 75 Resp: 17531

Ion Ratio Lower Upper

75 100

155 106.0 50.0 150.1

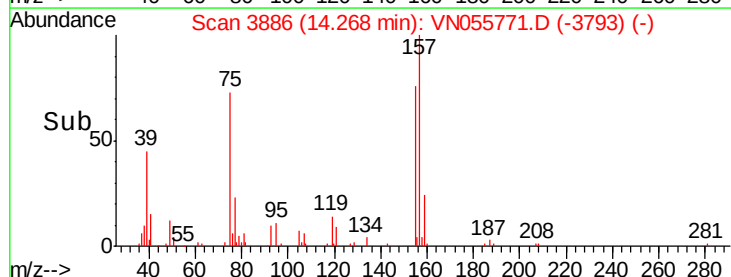
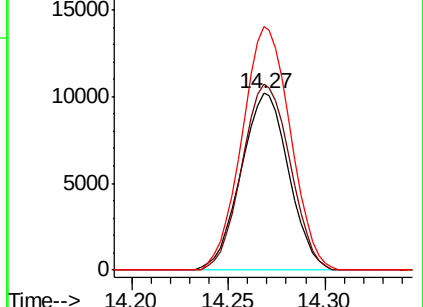
157 139.6 64.8 194.3

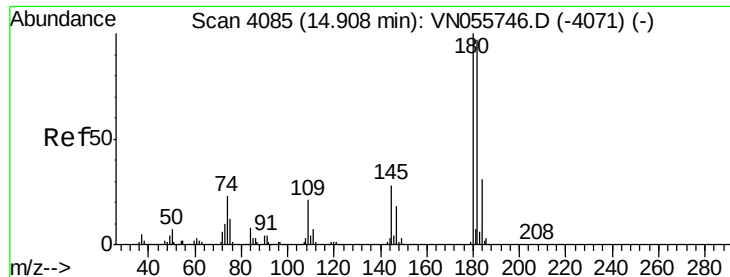


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

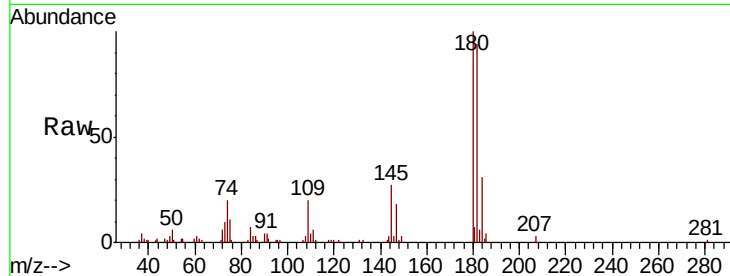




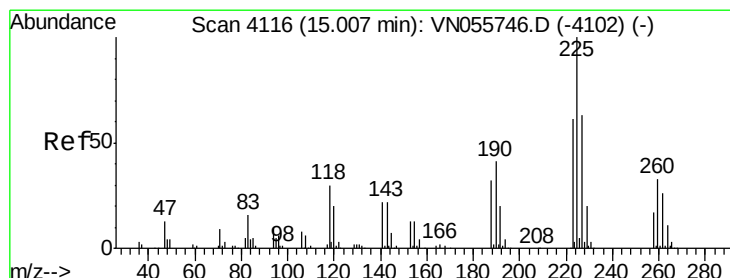
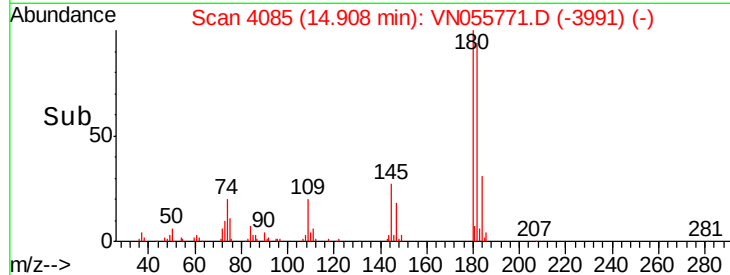
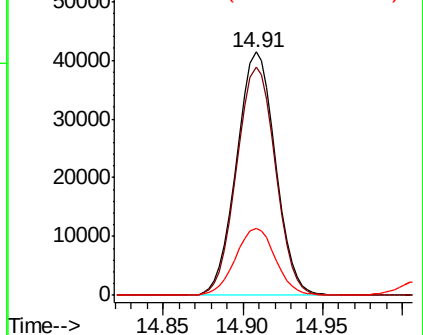
#93
 1,2,4-Trichlorobenzene
 Concen: 19.405 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBS01

Tot Ion:180 Resp: 68401
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.3 144.9
 145 28.3 14.0 41.9

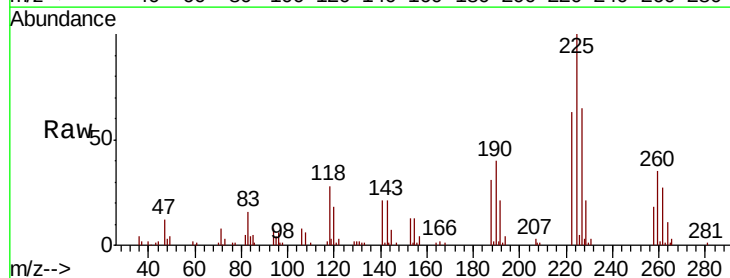


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

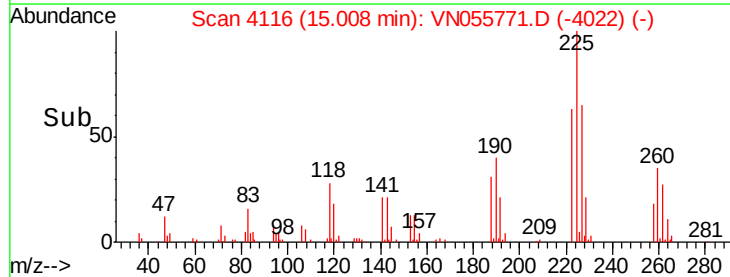
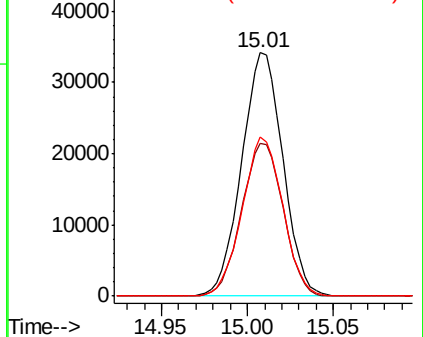


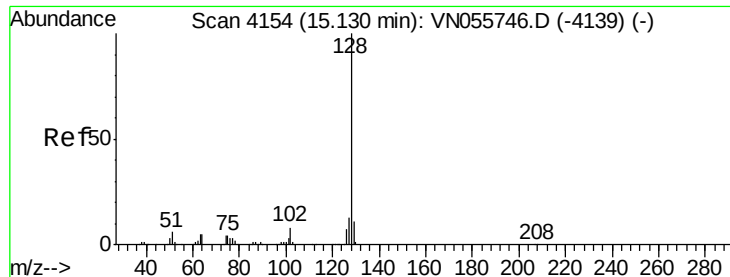
#94
 Hexachlorobutadiene
 Concen: 22.086 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055771.D
 Acq: 23 May 2019 22:37

Tgt Ion:225 Resp: 56848
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.7
 227 64.3 31.6 94.7



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: 18.969 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBS01

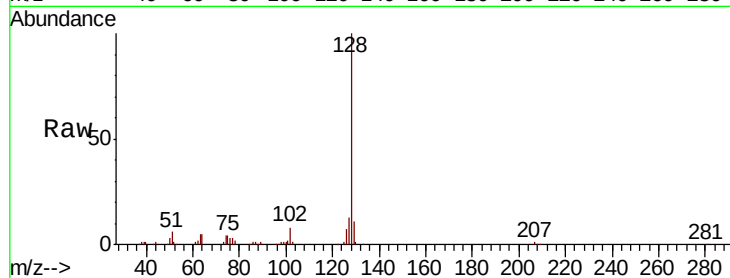
Tot Ion:128 Resp: 181977

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

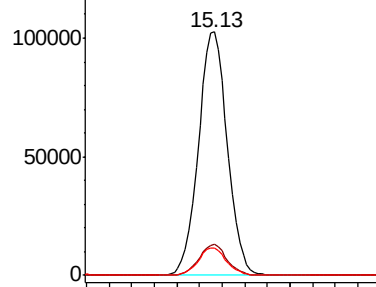
129 11.0 8.7 13.1



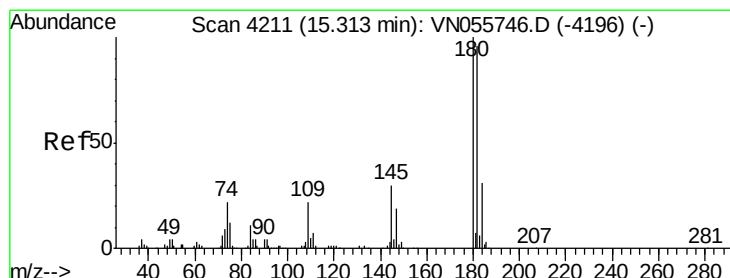
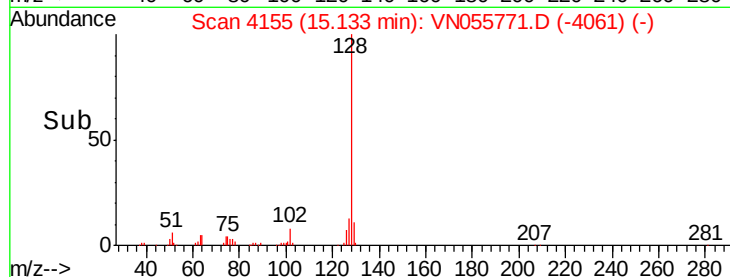
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.217 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055771.D

Acq: 23 May 2019 22:37

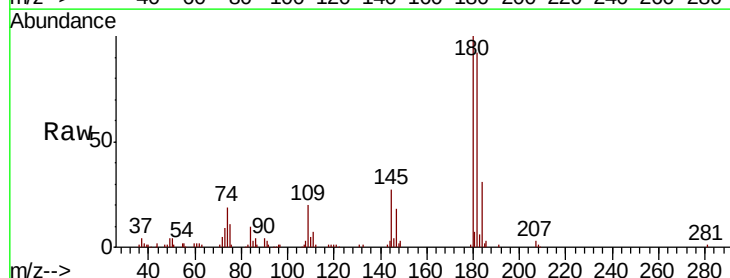
Tgt Ion:180 Resp: 74713

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

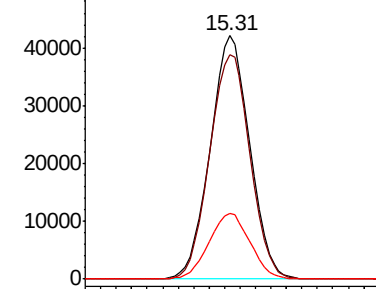
145 28.1 14.9 44.7



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



Time-->

