

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055748.D
 Acq On : 23 May 2019 11:25
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: May 24 05:49:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	341628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222693	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	513236	138.29	ug/l	0.00
Spiked Amount			Recovery	=	276.58%	
35) Dibromofluoromethane	7.59	113	462386	145.72	ug/l	0.00
Spiked Amount			Recovery	=	291.44%	
50) Toluene-d8	10.09	98	1776870	147.72	ug/l	0.00
Spiked Amount			Recovery	=	295.44%	
62) 4-Bromofluorobenzene	12.40	95	630081	151.49	ug/l	0.00
Spiked Amount			Recovery	=	302.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	315788	122.394	ug/l	99
3) Chloromethane	2.06	50	447316	128.545	ug/l	99
4) Vinyl Chloride	2.18	62	482701	128.596	ug/l	100
5) Bromomethane	2.52	94	244565	101.764	ug/l	99
6) Chloroethane	2.67	64	276728	131.261	ug/l	99
7) Trichlorofluoromethane	3.00	101	639545	132.908	ug/l	100
8) Diethyl Ether	3.40	74	281398	143.723	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	403193	137.115	ug/l	99
10) Methyl Iodide	3.94	142	640646	150.102	ug/l	100
11) Tert butyl alcohol	4.82	59	487101	698.362	ug/l	100
12) 1,1-Dichloroethene	3.72	96	417028	134.737	ug/l	99
13) Acrolein	3.60	56	347679	866.617	ug/l	98
14) Allyl chloride	4.31	41	724374	144.771	ug/l	99
15) Acrylonitrile	4.99	53	1140512	736.089	ug/l	100
16) Acetone	3.82	43	1050219	685.632	ug/l	99
17) Carbon Disulfide	4.03	76	1181263	137.386	ug/l	100
18) Methyl Acetate	4.32	43	465088	142.036	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1393316	136.420	ug/l	100
20) Methylene Chloride	4.54	84	472583	136.379	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	449899	136.635	ug/l	98
22) Diisopropyl ether	5.96	45	1425529	143.291	ug/l	96
23) Vinyl Acetate	5.90	43	6134370	726.875	ug/l	100
24) 1,1-Dichloroethane	5.84	63	804487	138.830	ug/l	100
25) 2-Butanone	6.84	43	1568126	734.614	ug/l	100
26) 2,2-Dichloropropane	6.82	77	664008	129.383	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	527009	136.977	ug/l	99
28) Bromochloromethane	7.19	49	382644	149.548	ug/l	99
29) Tetrahydrofuran	7.21	42	990142	701.587	ug/l	100
30) Chloroform	7.37	83	810980	135.870	ug/l	100
31) Cyclohexane	7.65	56	742221	134.258	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	720609	134.856	ug/l	99
36) 1,1-Dichloropropene	7.79	75	619527	139.584	ug/l	100
37) Ethyl Acetate	6.93	43	610465	151.784	ug/l	99
38) Carbon Tetrachloride	7.77	117	646655	136.084	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	786417	146.100	ug/l	99
40) Benzene	8.04	78	1892350	144.096	ug/l	100
41) Methacrylonitrile	7.17	41	304032	174.138	ug/l	97
42) 1,2-Dichloroethane	8.12	62	615359	144.971	ug/l	99
43) Isopropyl Acetate	8.17	43	1043417	148.914	ug/l #	92
44) Trichloroethene	8.83	130	538359	145.410	ug/l	100
45) 1,2-Dichloropropane	9.12	63	497974	144.095	ug/l	99
46) Dibromomethane	9.21	93	330024	145.683	ug/l	99
47) Bromodichloromethane	9.40	83	669434	141.581	ug/l	99
48) Methyl methacrylate	9.20	41	496374	158.115	ug/l	98
49) 1,4-Dioxane	9.20	88	199242	3202.487	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3034908	733.004	ug/l	100
52) Toluene	10.16	92	1220204	147.774	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	763186	150.255	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	822963	147.836	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	486169	143.176	ug/l	99
56) Ethyl methacrylate	10.43	69	777990	146.697	ug/l	99
57) 1,3-Dichloropropane	10.71	76	794774	148.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1617789	734.646	ug/l	100
59) 2-Hexanone	10.75	43	2167764	744.996	ug/l	100
60) Dibromochloromethane	10.90	129	588536	152.901	ug/l	99
61) 1,2-Dibromoethane	11.00	107	517048	152.057	ug/l	98
64) Tetrachloroethene	10.63	164	529293	145.872	ug/l	99
65) Chlorobenzene	11.43	112	1320037	143.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	518765	140.055	ug/l	100
67) Ethyl Benzene	11.51	91	2347836	142.626	ug/l	100
68) m/p-Xylenes	11.62	106	1804847	290.292	ug/l	99
69) o-Xylene	11.95	106	876872	143.752	ug/l	99
70) Styrene	11.96	104	1508266	149.115	ug/l	100
71) Bromoform	12.13	173	468171	148.776	ug/l #	99
73) Isopropylbenzene	12.25	105	2285039	125.577	ug/l	100
74) N-amyl acetate	12.07	43	867895	138.565	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	663610	118.444	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	854741	186.234	ug/l #	100
77) Bromobenzene	12.53	156	624378	135.612	ug/l	99
78) n-propylbenzene	12.59	91	2546019	129.096	ug/l	100
79) 2-Chlorotoluene	12.67	91	1498493	124.728	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1916821	125.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	232694	133.251	ug/l	99
82) 4-Chlorotoluene	12.77	91	1531263	131.693	ug/l	99
83) tert-Butylbenzene	12.99	119	1644907	122.667	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1919365	127.522	ug/l	100
85) sec-Butylbenzene	13.17	105	2161716	126.957	ug/l	100
86) p-Isopropyltoluene	13.29	119	2028334	129.602	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1057254	139.766	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1039842	144.525	ug/l	99
89) n-Butylbenzene	13.61	91	1690749	139.062	ug/l	100
90) Hexachloroethane	13.87	117	379615	127.068	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1029286	136.528	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	137096	137.532	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

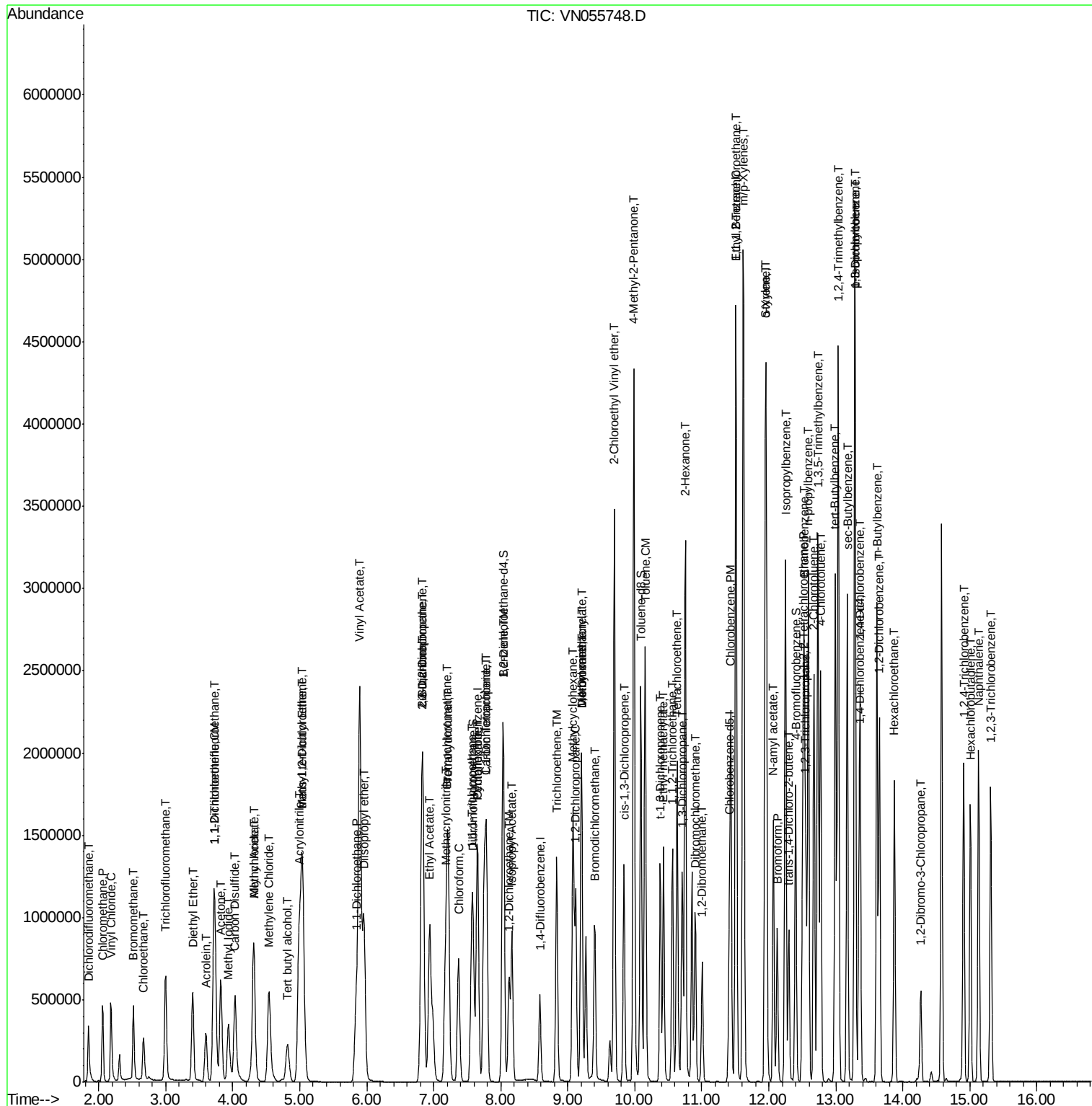
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	699365	184.922	ug/l	99
94) Hexachlorobutadiene	15.01	225	386618	144.126	ug/l	99
95) Naphthalene	15.13	128	1825471	178.396	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	692165	173.506	ug/l	100

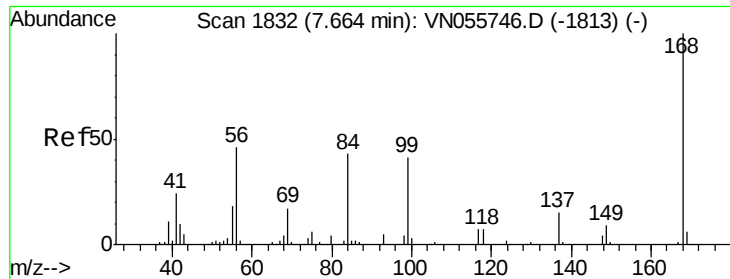
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055748.D
Acq On : 23 May 2019 11:25
Operator : JC/SP
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDIC150

Quant Time: May 24 05:49:26 2019
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Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 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: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

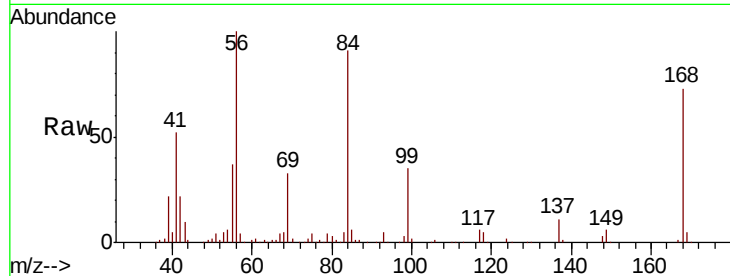
VSTDIC150

Tot Ion:168 Resp: 341628

Ion Ratio Lower Upper

168 100

99 47.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

0

7.50 7.60 7.70 7.80 7.90

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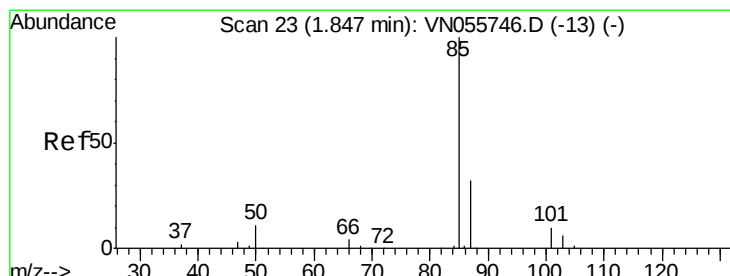
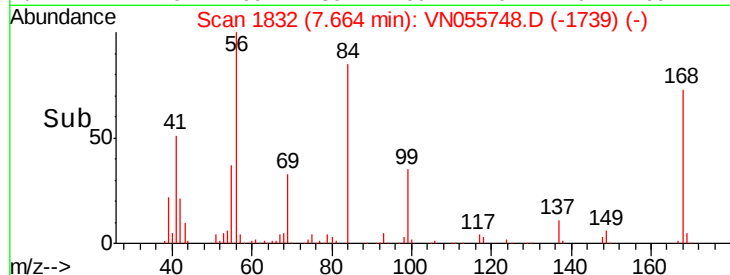
7.66

7.66

7.66

7.66

7.66



#2

Dichlorodifluoromethane

Concen: 122.394 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055748.D

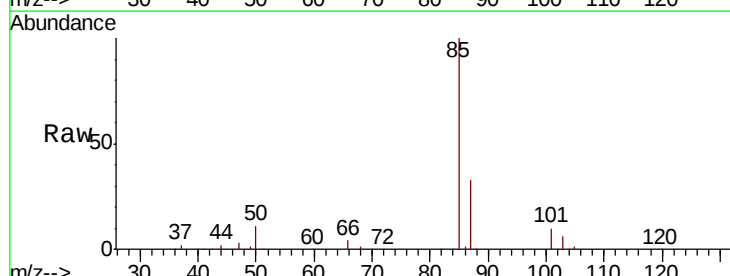
Acq: 23 May 2019 11:25

Tgt Ion: 85 Resp: 315788

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

100000

50000

0

1.80 1.90 2.00

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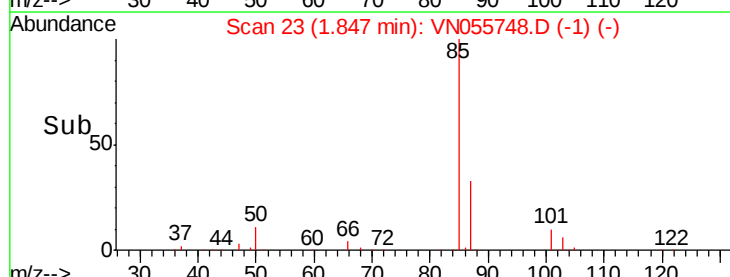
1.85

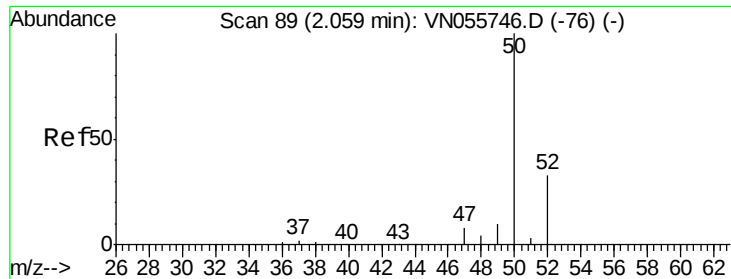
1.85

1.85

1.85

1.85





#3

Chloromethane

Concen: 128.545 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

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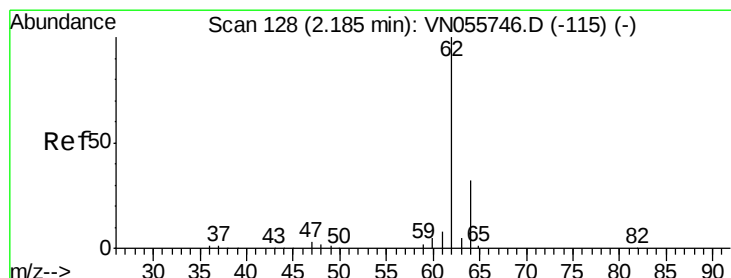
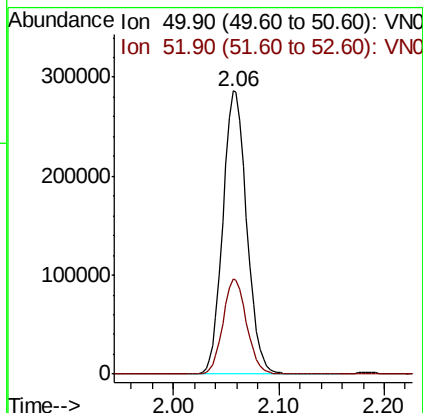
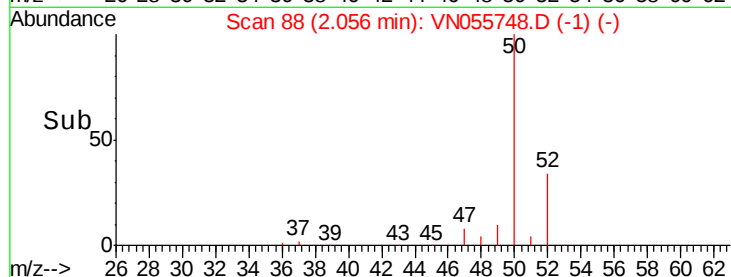
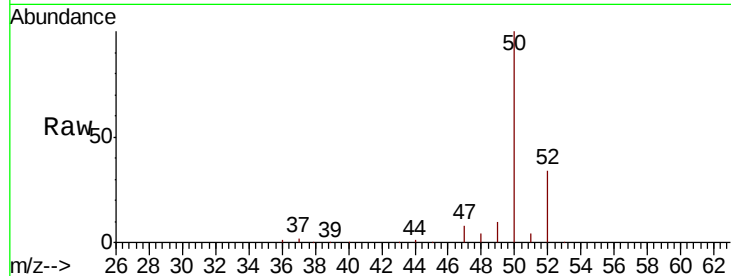
VSTDIC150

Tot Ion: 50 Resp: 447316

Ion Ratio Lower Upper

50 100

52 33.7 26.6 40.0



#4

Vinyl Chloride

Concen: 128.596 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055748.D

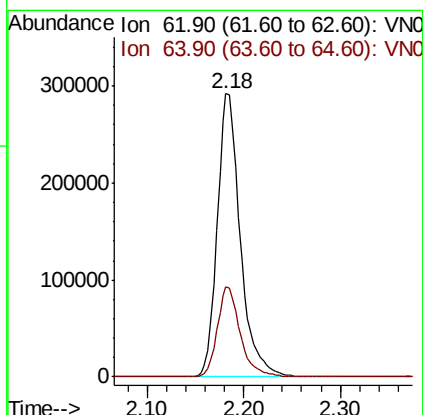
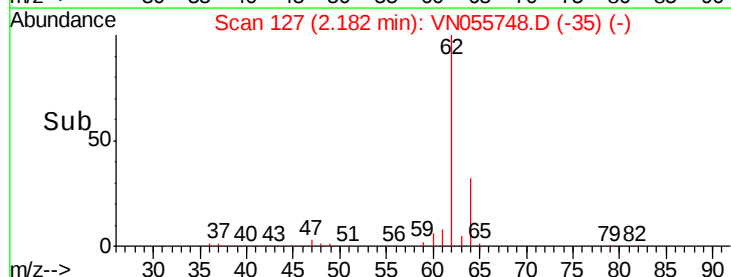
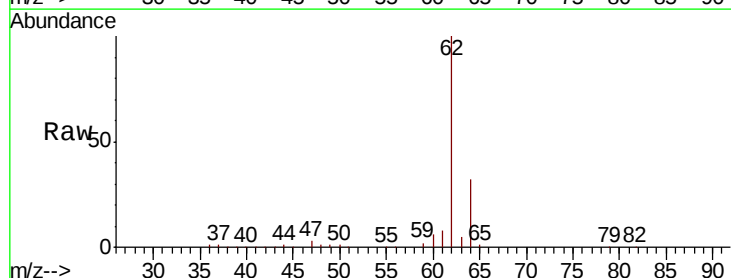
Acq: 23 May 2019 11:25

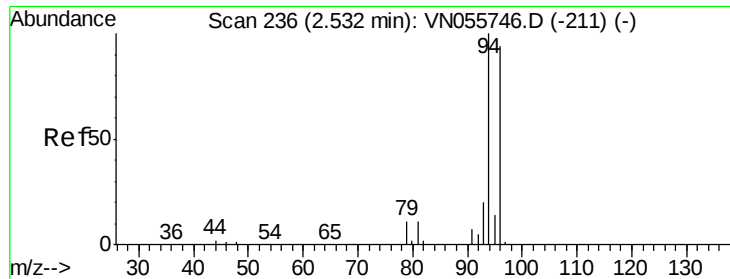
Tgt Ion: 62 Resp: 482701

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 101.764 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

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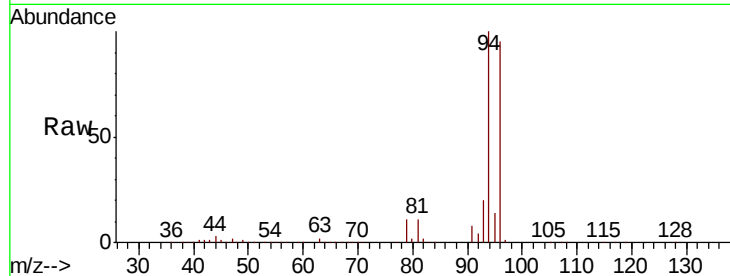
VSTDIC150

Tot Ion: 94 Resp: 244565

Ion Ratio Lower Upper

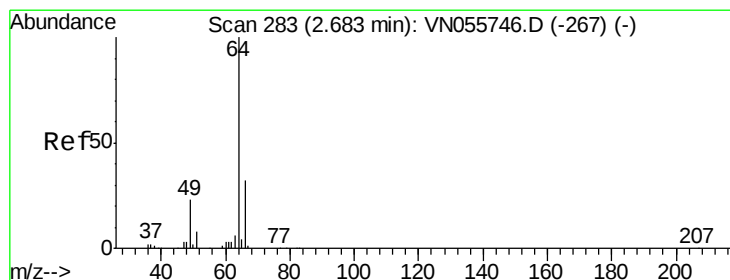
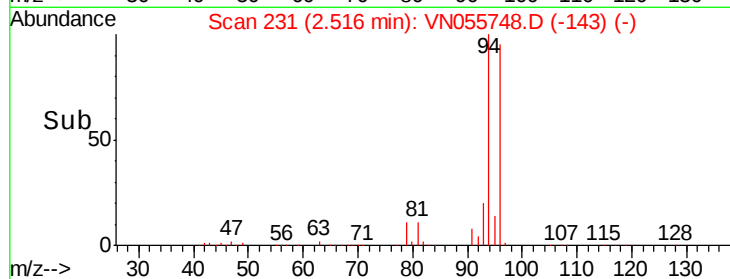
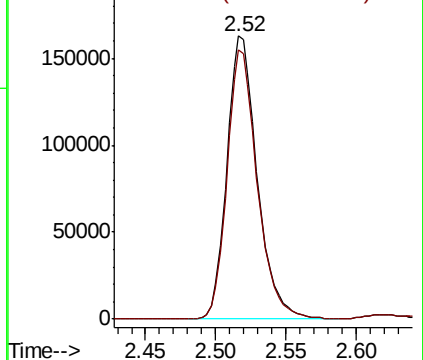
94 100

96 95.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 131.261 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN055748.D

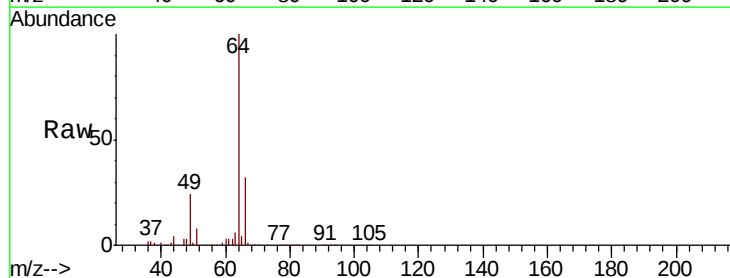
Acq: 23 May 2019 11:25

Tgt Ion: 64 Resp: 276728

Ion Ratio Lower Upper

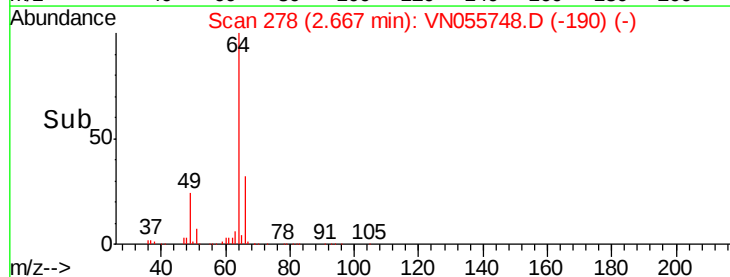
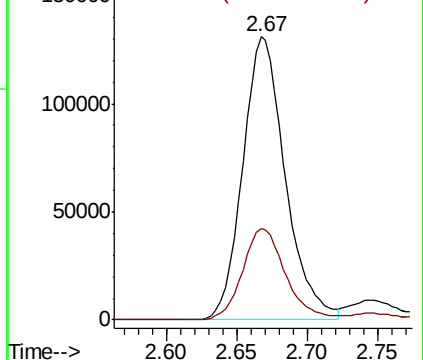
64 100

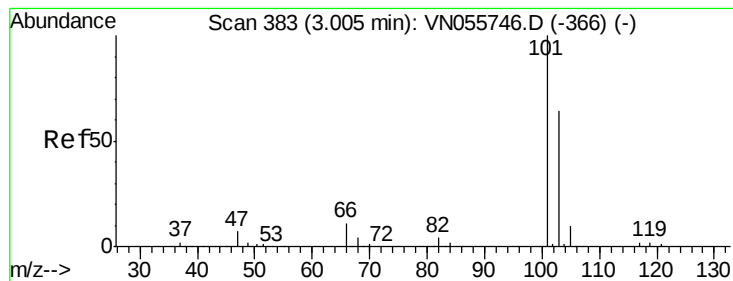
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



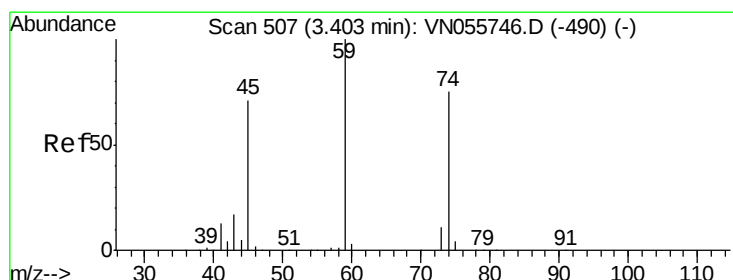
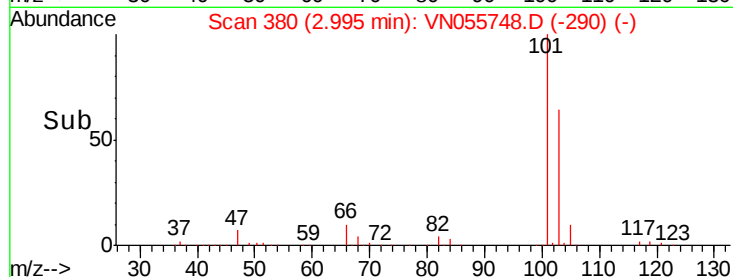
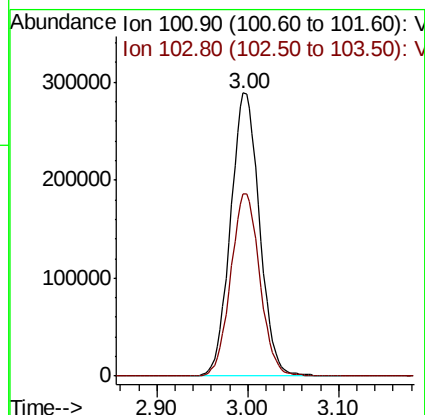
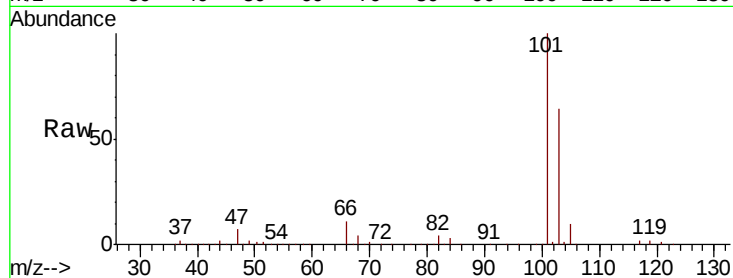


#7

Trichlorofluoromethane
Concen: 132.908 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
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VSTDIC150

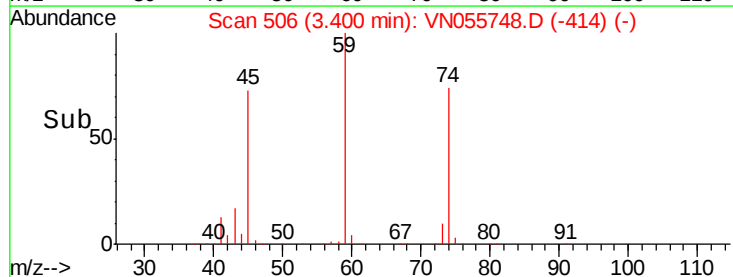
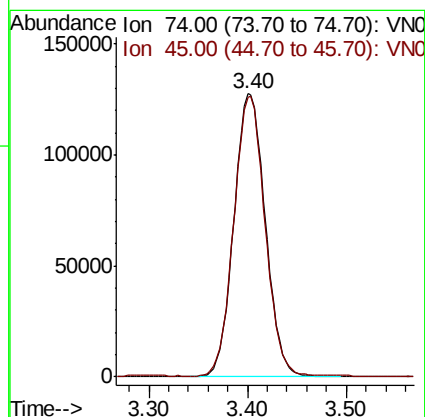
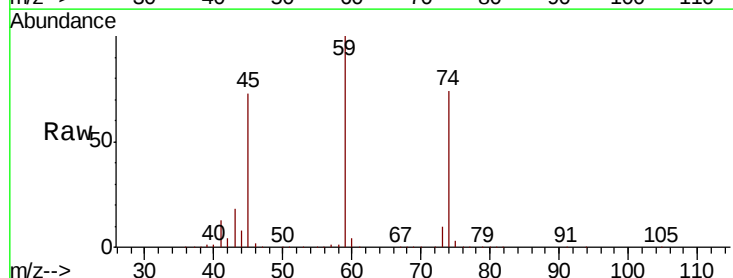
Tot Ion:101 Resp: 639545
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

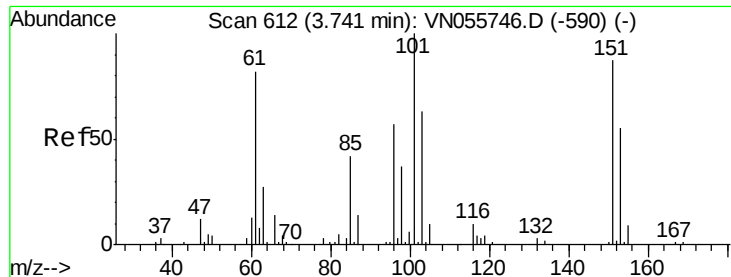


#8

Diethyl Ether
Concen: 143.723 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 74 Resp: 281398
Ion Ratio Lower Upper
74 100
45 97.9 48.6 145.9

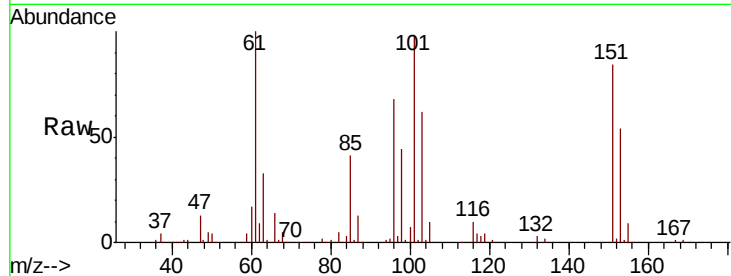




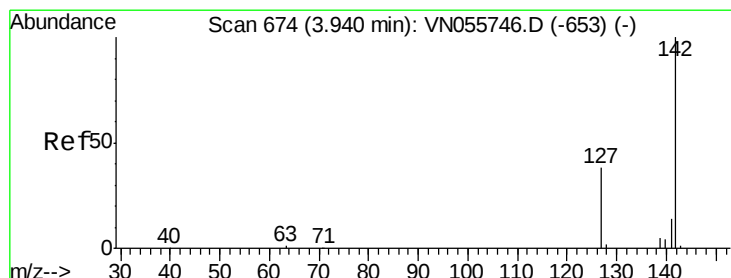
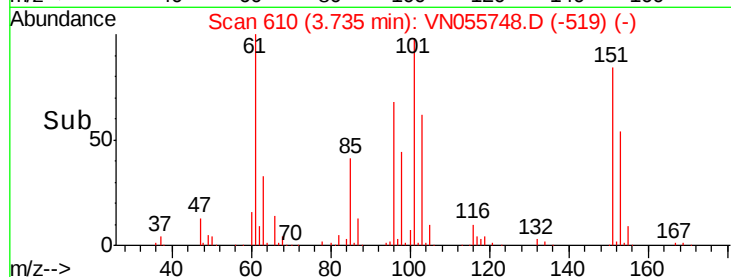
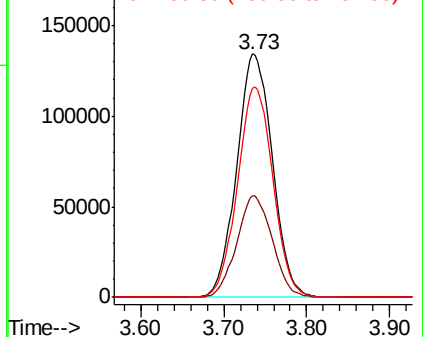
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 137.115 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 403193
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.4 50.2
 151 85.8 69.4 104.2

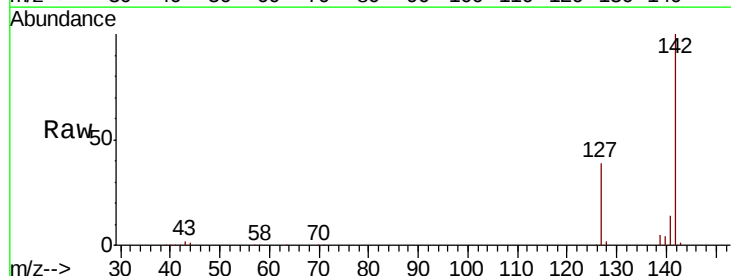


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

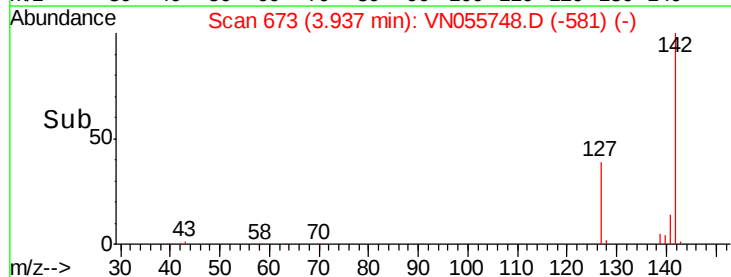
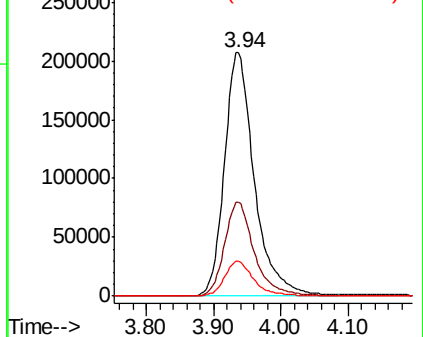


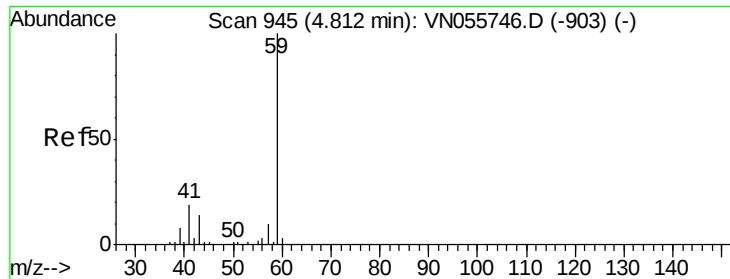
#10
 Methyl Iodide
 Concen: 150.102 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion:142 Resp: 640646
 Ion Ratio Lower Upper
 142 100
 127 38.6 31.0 46.4
 141 14.1 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



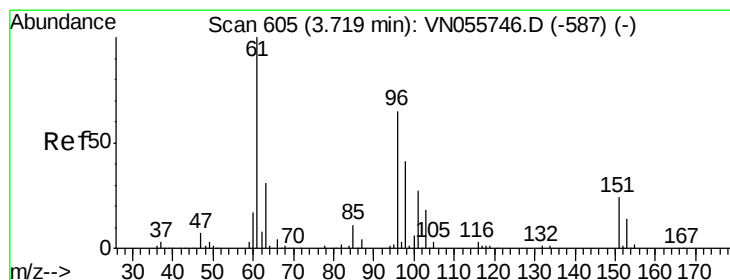
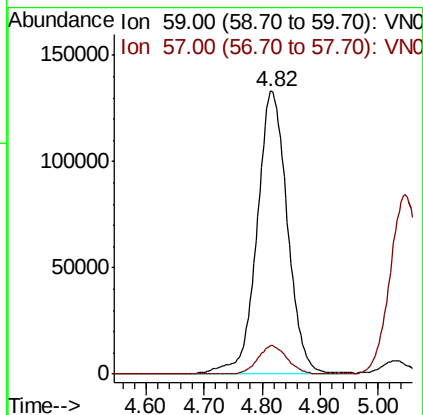
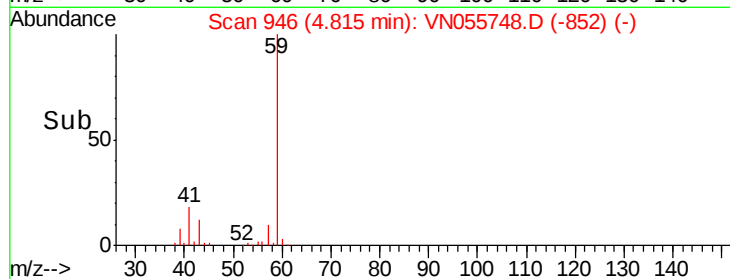
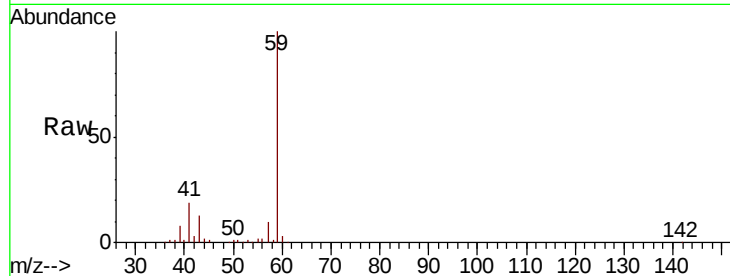


#11

Tert butyl alcohol
Concen: 698.362 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

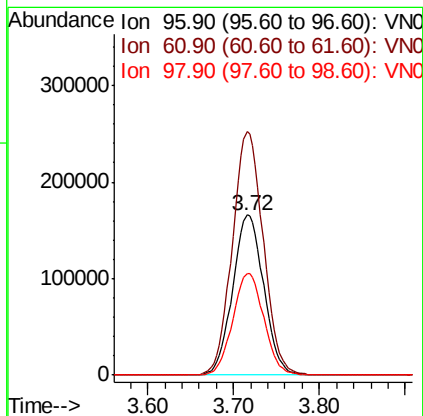
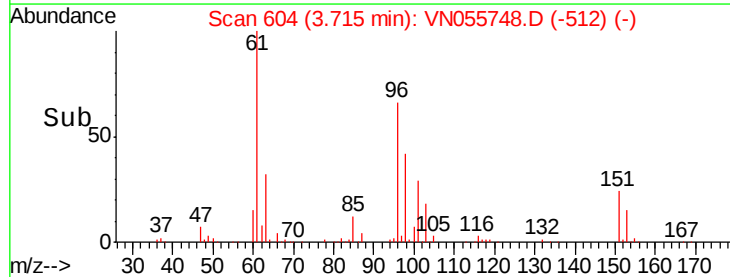
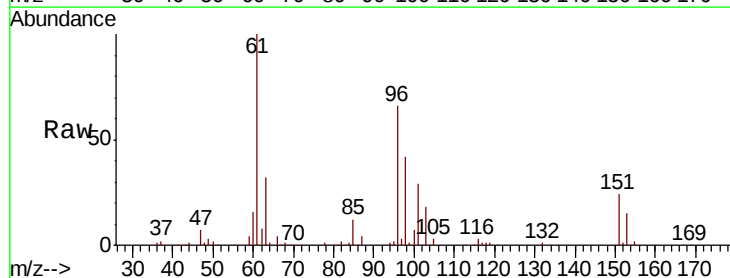
Tot Ion: 59 Resp: 487101
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6

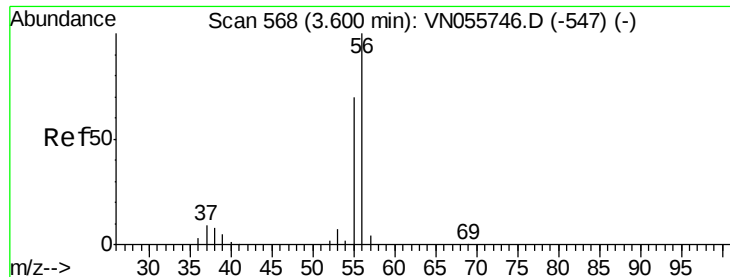


#12

1,1-Dichloroethene
Concen: 134.737 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 96 Resp: 417028
Ion Ratio Lower Upper
96 100
61 152.0 123.2 184.8
98 63.4 50.4 75.6





#13

Acrolein

Concen: 866.617 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

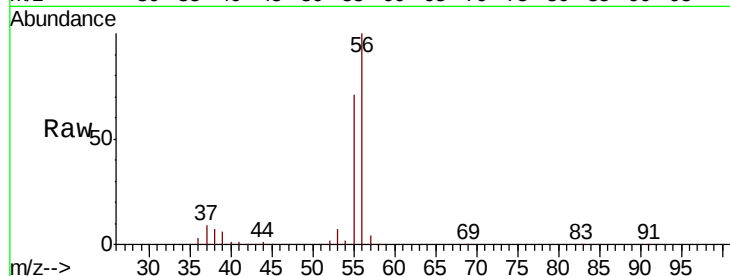
VSTDIC150

Tot Ion: 56 Resp: 347679

Ion Ratio Lower Upper

56 100

55 70.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

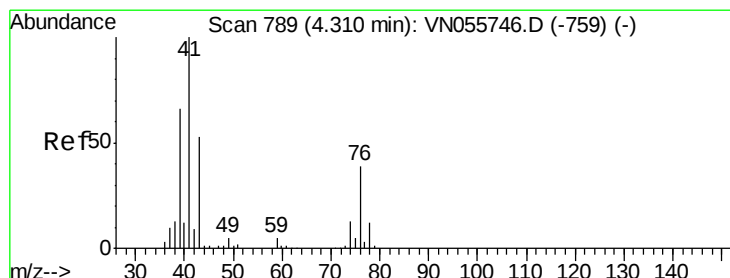
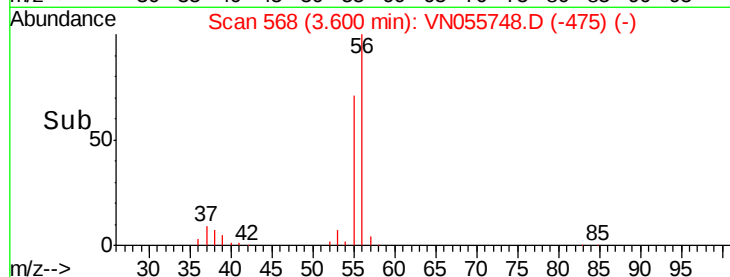
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 144.771 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

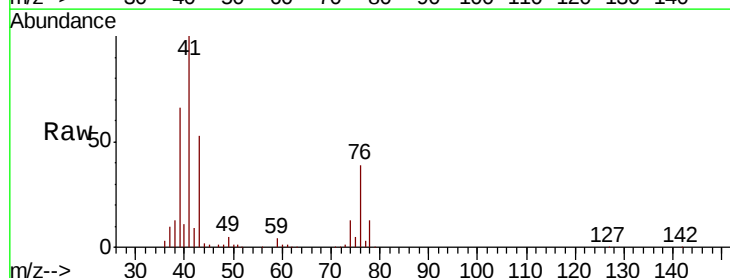
Tgt Ion: 41 Resp: 724374

Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

76 34.7 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

500000

400000

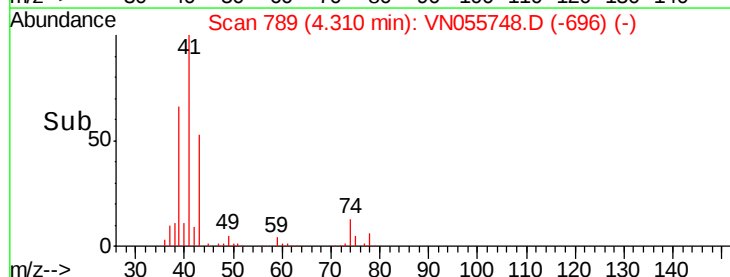
300000

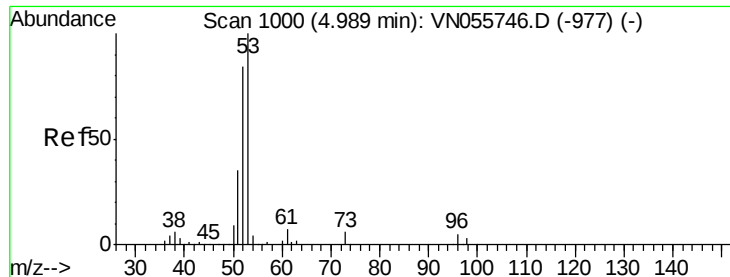
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 736.089 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

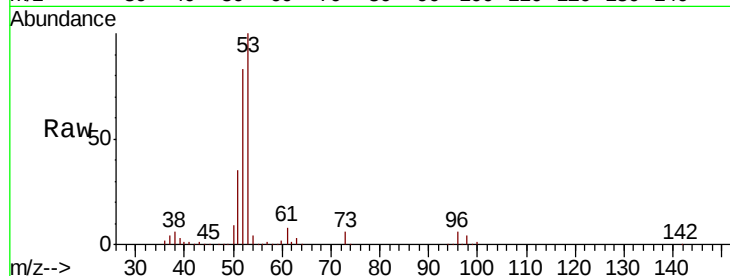
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1140512

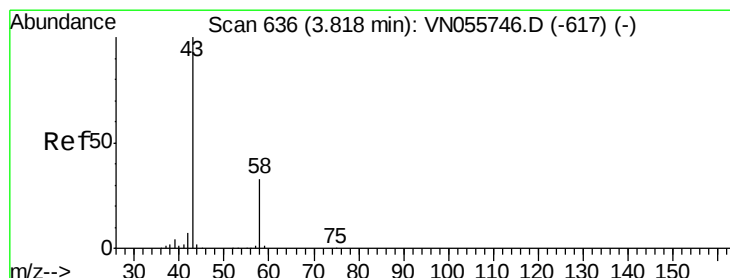
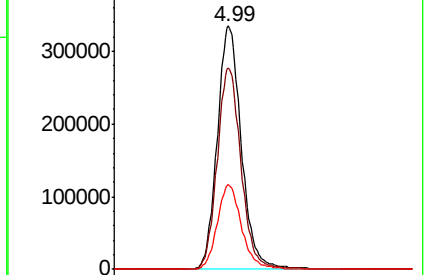
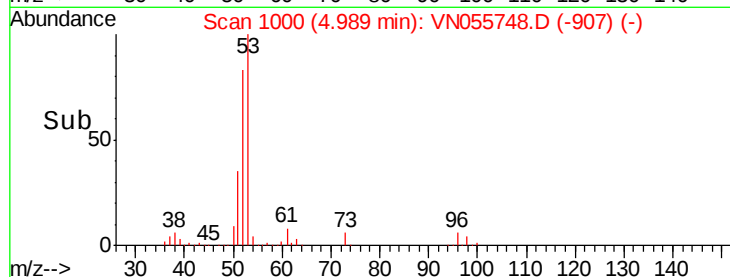
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.8	98.8
51	35.2	28.2	42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 685.632 ug/l

RT: 3.82 min Scan# 637

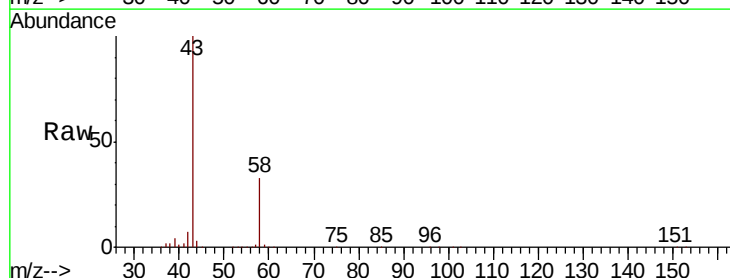
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

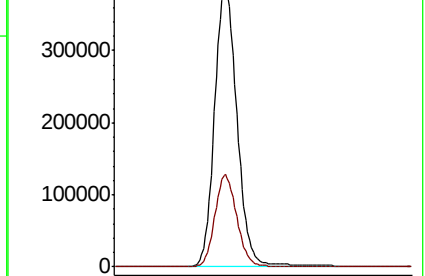
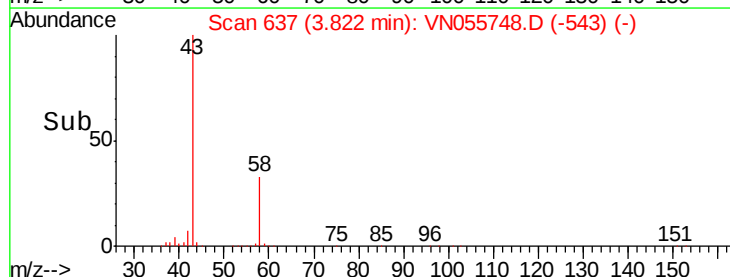
Tgt Ion: 43 Resp: 1050219

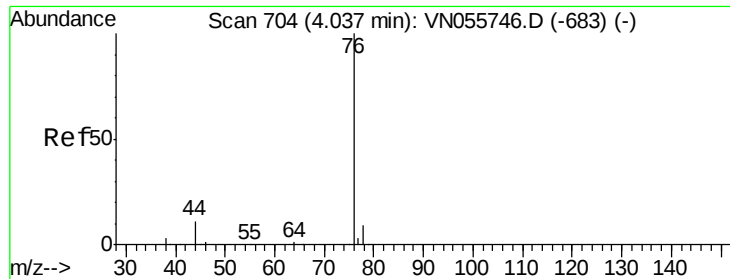
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.6	39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

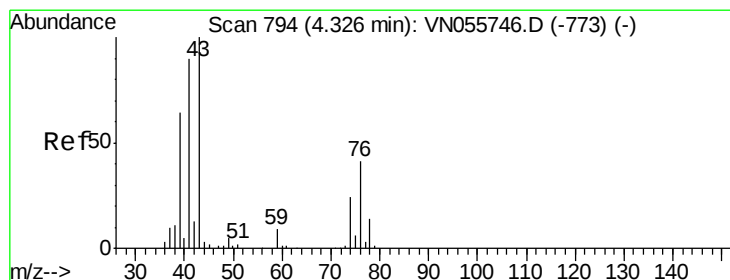
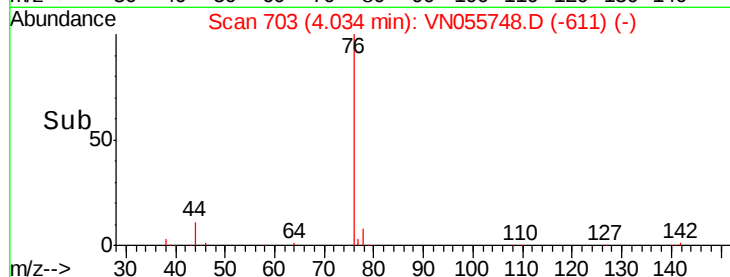
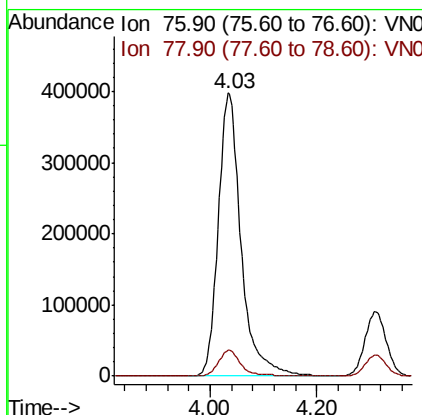
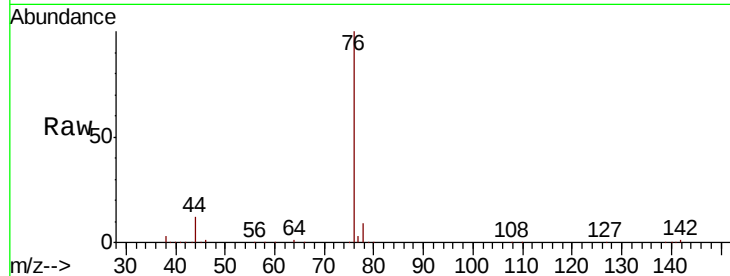




#17
Carbon Disulfide
Concen: 137.386 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

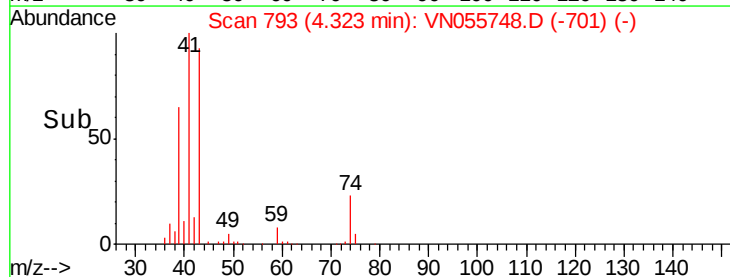
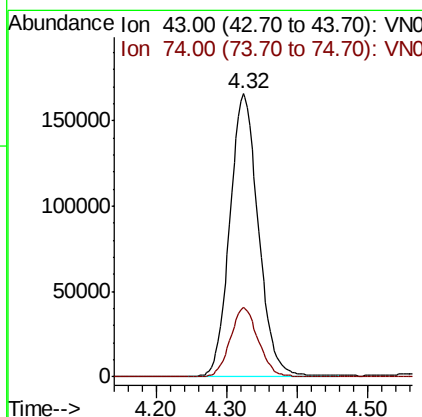
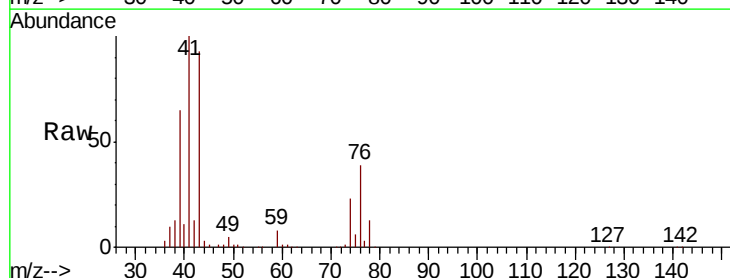
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

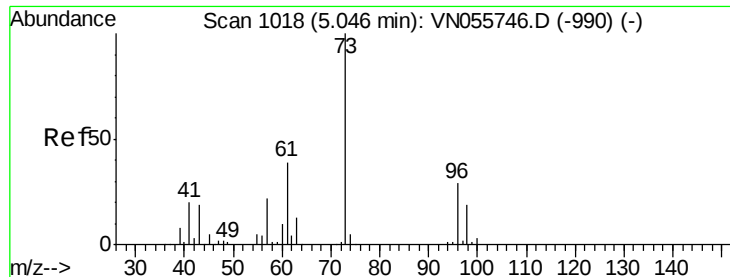
Tot Ion: 76 Resp: 1181263
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 142.036 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 43 Resp: 465088
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9

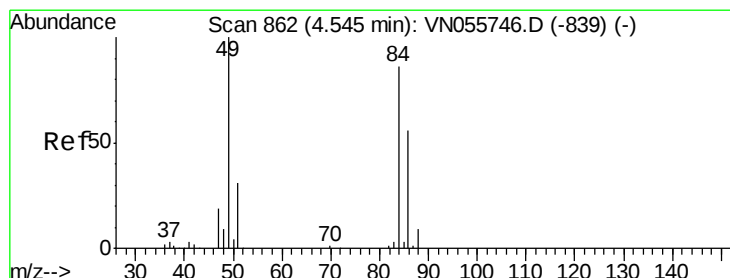
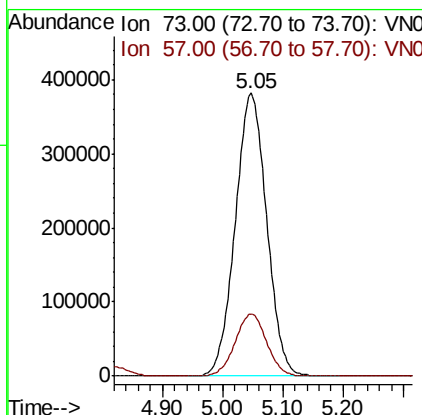
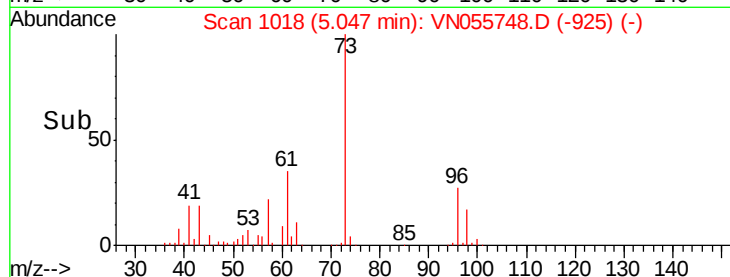
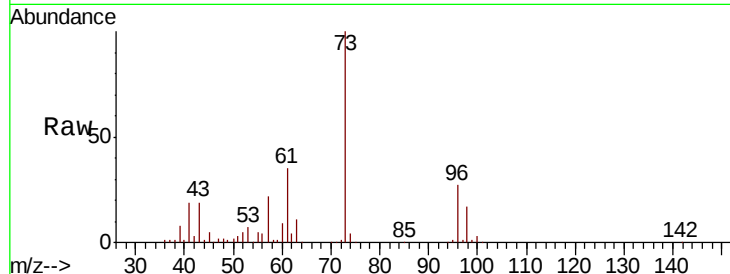




#19
Methyl tert-butyl Ether
Concen: 136.420 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

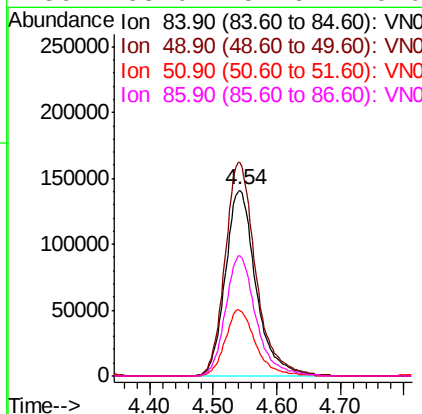
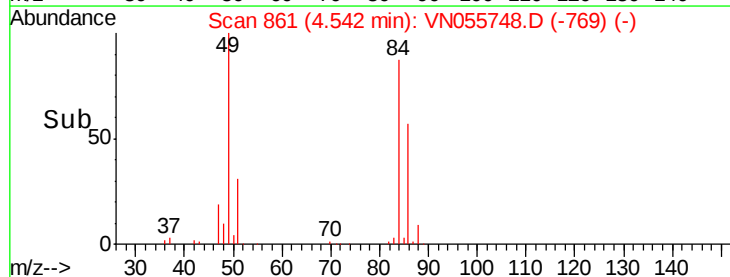
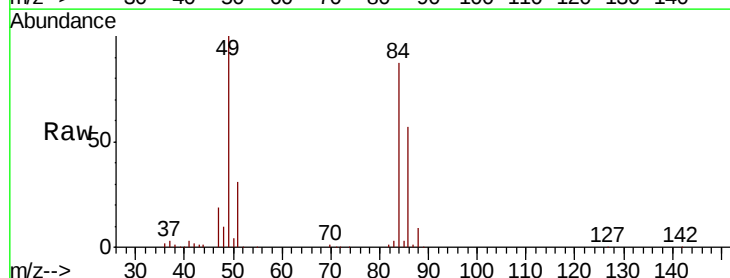
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

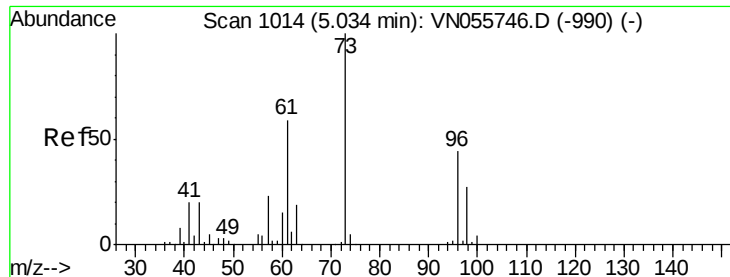
Tot Ion: 73 Resp: 1393316
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8



#20
Methylene Chloride
Concen: 136.379 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 84 Resp: 472583
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 35.5 28.6 43.0
86 65.0 52.6 79.0

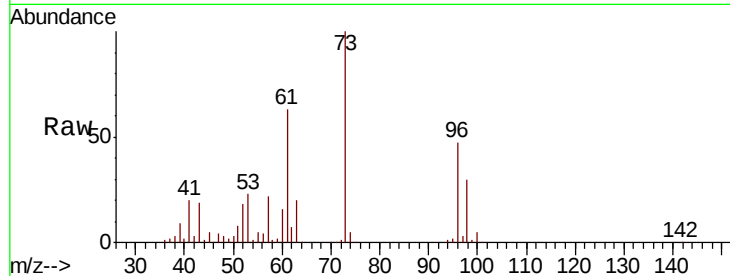




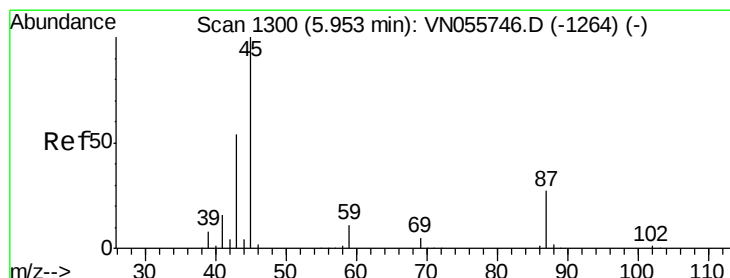
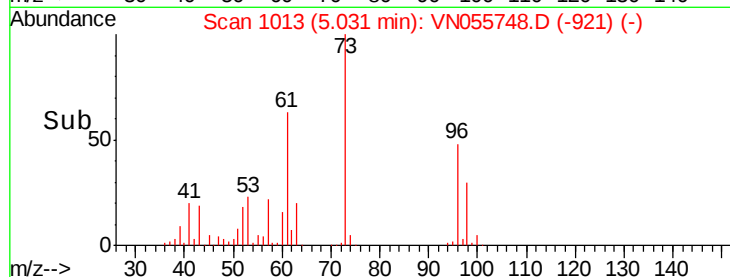
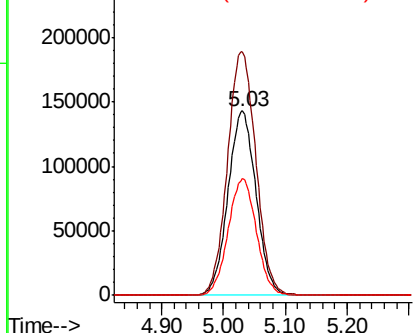
#21
trans-1,2-Dichloroethene
Concen: 136.635 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 449899
Ion Ratio Lower Upper
96 100
61 131.9 107.8 161.8
98 63.2 49.8 74.8

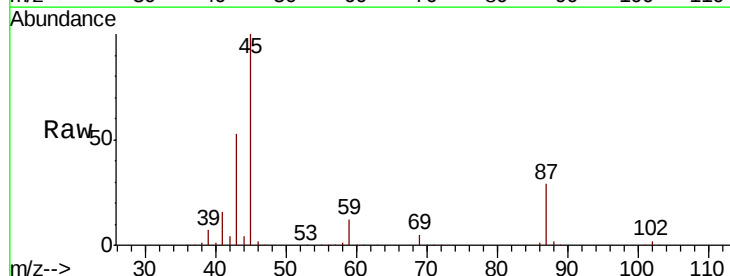


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

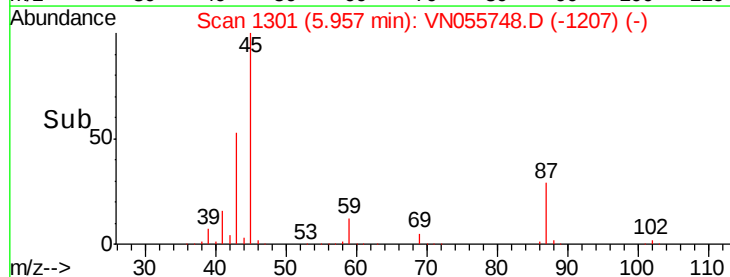
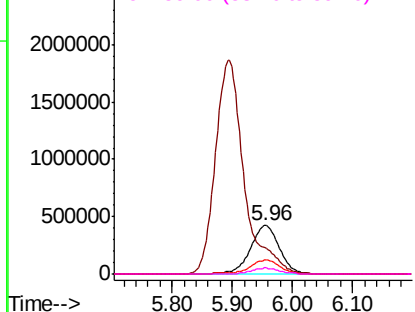


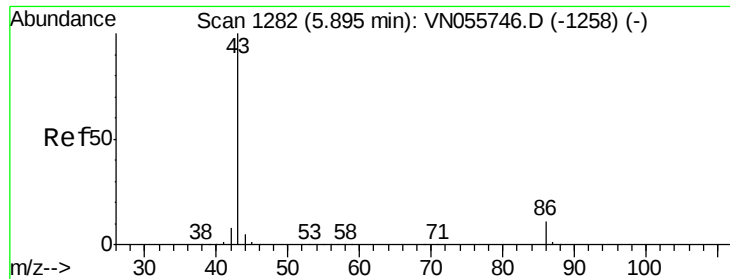
#22
Diisopropyl ether
Concen: 143.291 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 45 Resp: 1425529
Ion Ratio Lower Upper
45 100
43 52.2 45.0 67.6
87 28.8 22.2 33.4
59 12.0 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 726.875 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

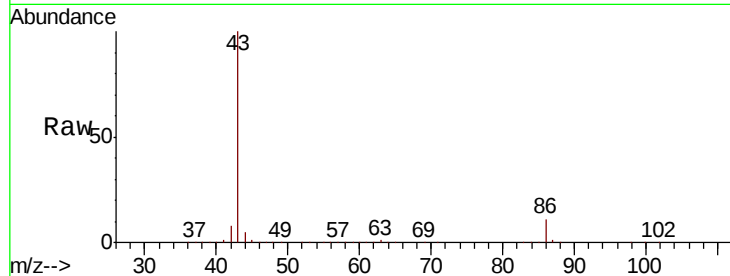
VSTDIC150

Tot Ion: 43 Resp: 6134370

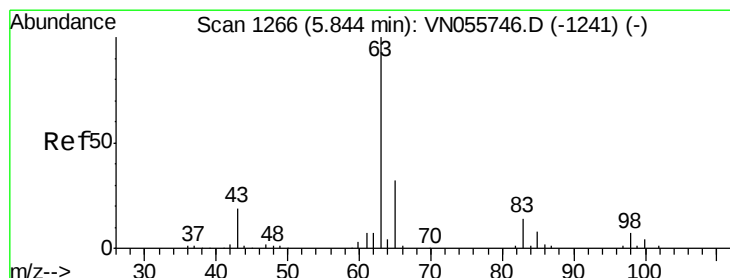
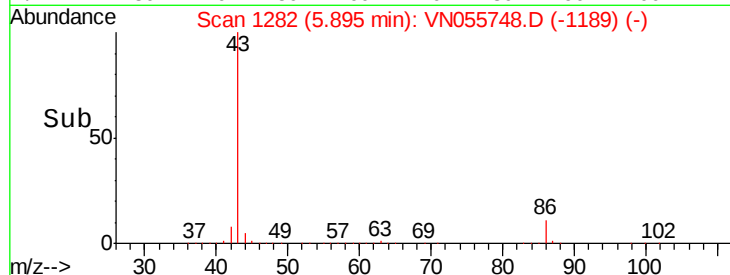
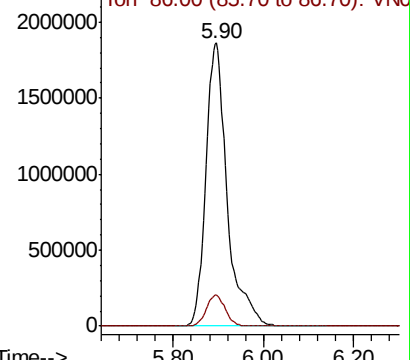
Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055748.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 138.830 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

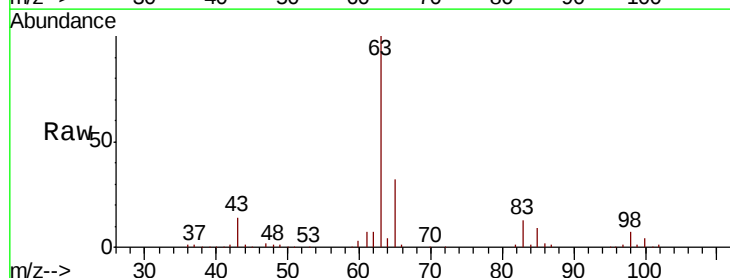
Tgt Ion: 63 Resp: 804487

Ion Ratio Lower Upper

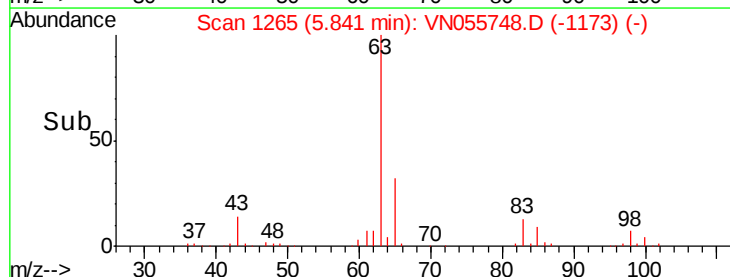
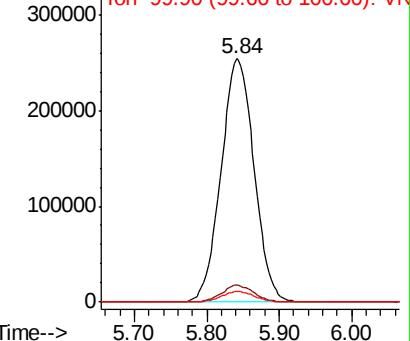
63 100

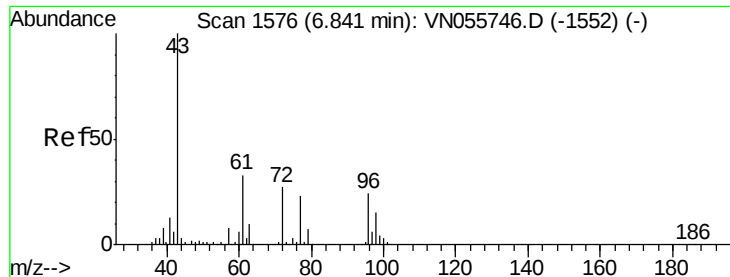
98 6.9 3.4 10.1

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055748.D (-1173) (-)





#25

2-Butanone

Concen: 734.614 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

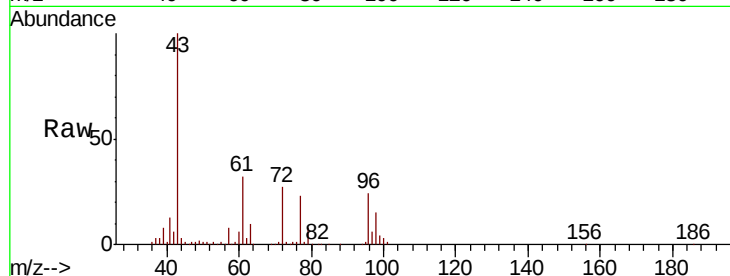
VSTDIC150

Tot Ion: 43 Resp: 1568126

Ion Ratio Lower Upper

43 100

72 27.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN055746.D (-1552) (-)

6.84

600000

500000

400000

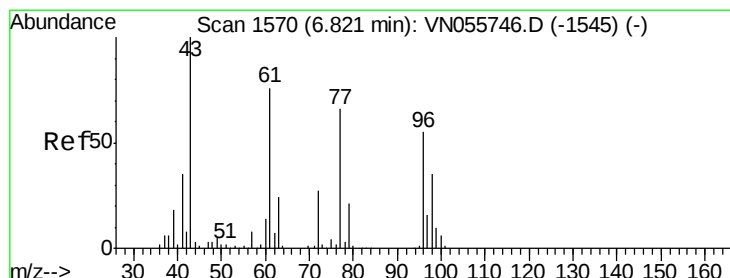
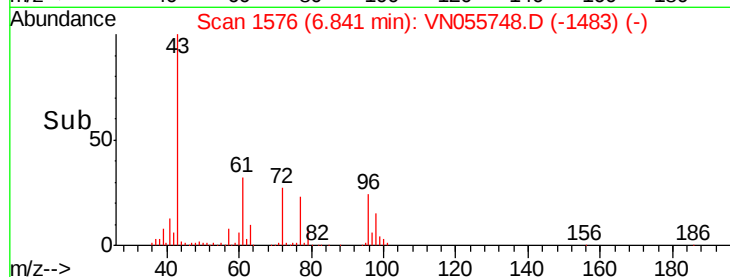
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 129.383 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055748.D

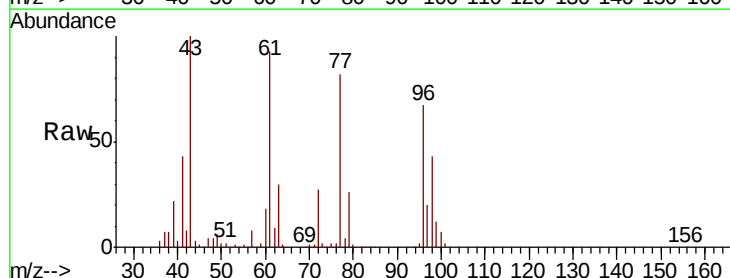
Acq: 23 May 2019 11:25

Tgt Ion: 77 Resp: 664008

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN055748.D (-1477) (-)

Ion 96.90 (96.60 to 97.60): VN055748.D (-1477) (-)

6.82

250000

200000

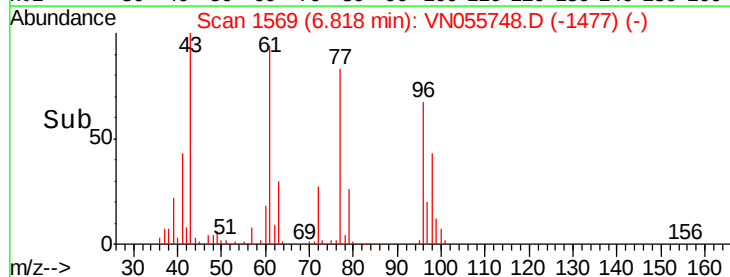
150000

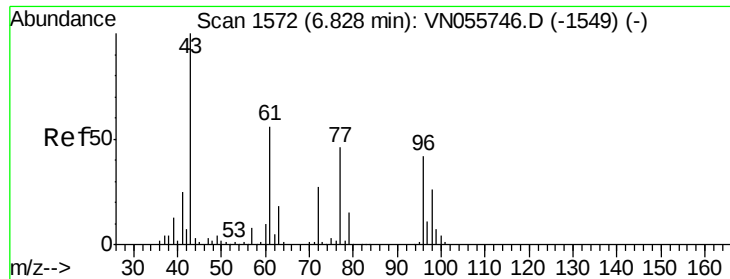
100000

50000

0

Time-->

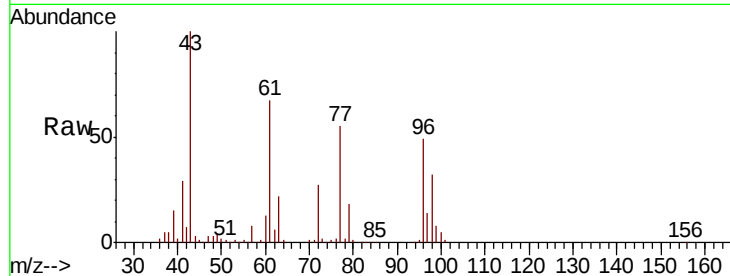




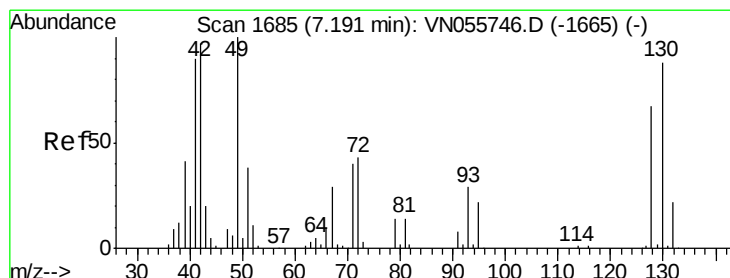
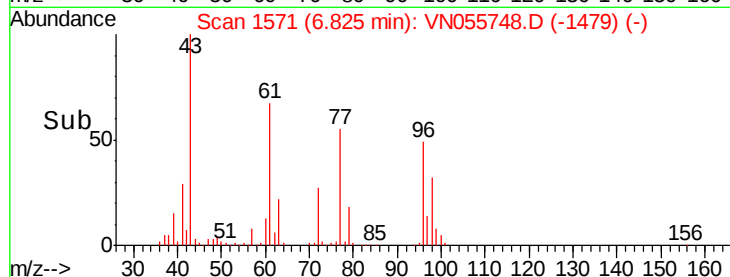
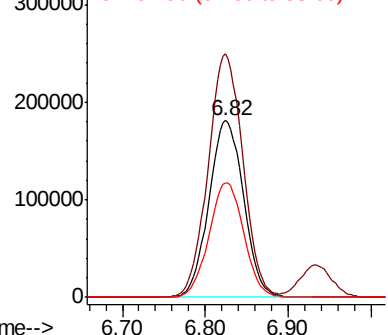
#27
 cis-1,2-Dichloroethene
 Concen: 136.977 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 96 Resp: 527009
 Ion Ratio Lower Upper
 96 100
 61 138.2 0.0 275.8
 98 65.0 0.0 128.4

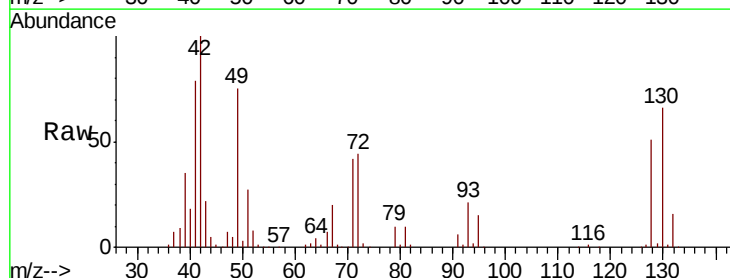


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

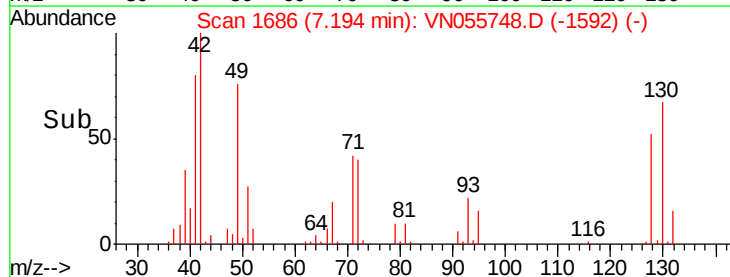
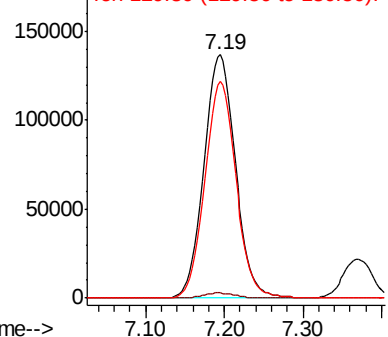


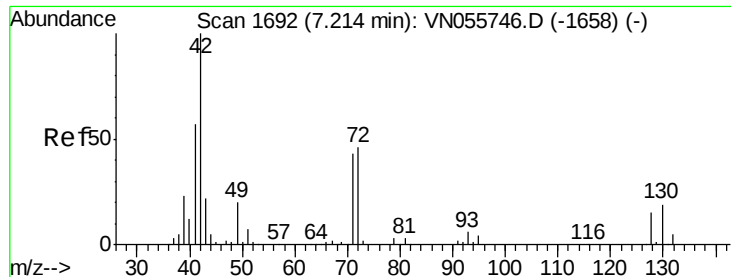
#28
 Bromochloromethane
 Concen: 149.548 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion: 49 Resp: 382644
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.4
 130 88.2 71.2 106.8



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

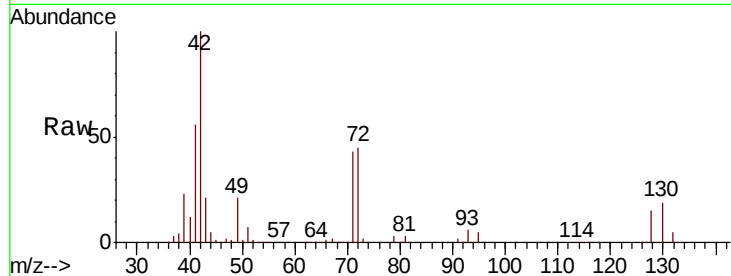




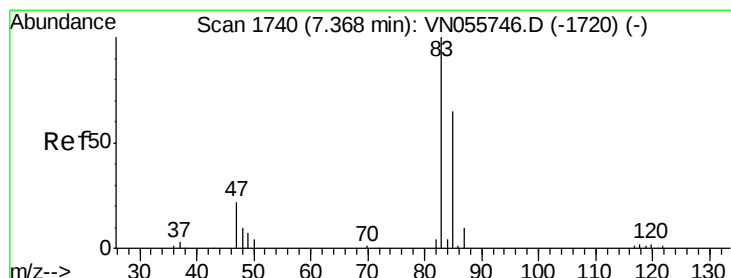
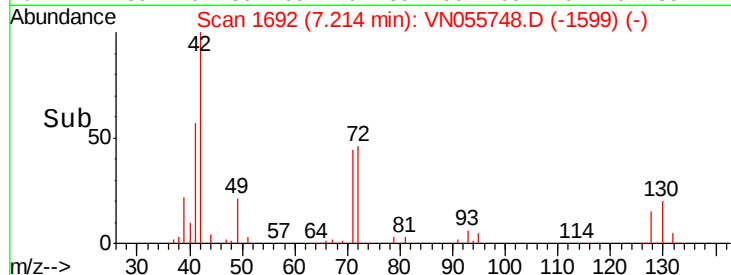
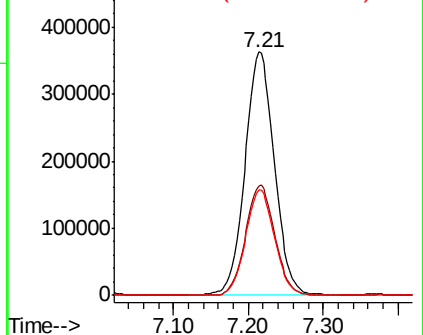
#29
Tetrahydrofuran
Concen: 701.587 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 990142
Ion Ratio Lower Upper
42 100
72 45.1 35.9 53.9
71 42.8 34.0 51.0

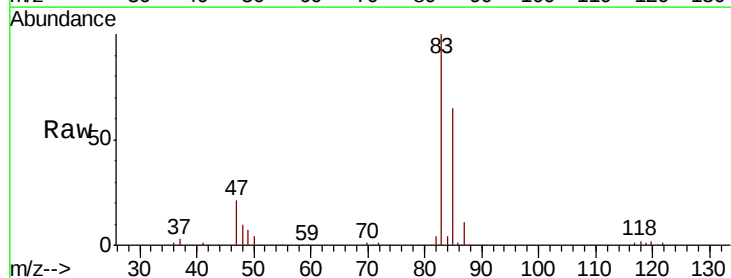


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

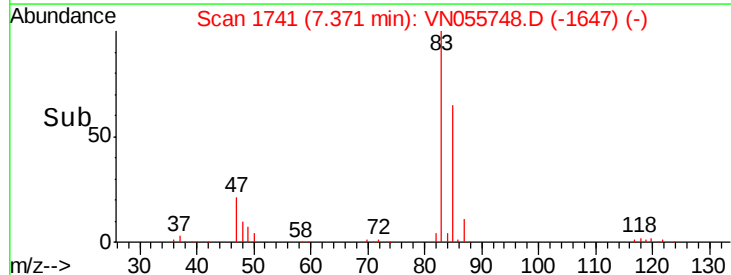
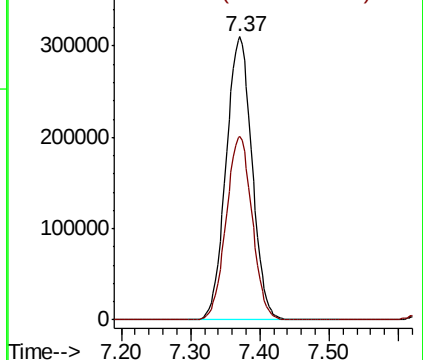


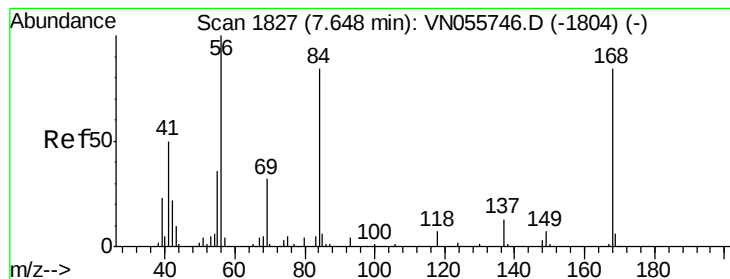
#30
Chloroform
Concen: 135.870 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 83 Resp: 810980
Ion Ratio Lower Upper
83 100
85 65.1 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: 134.258 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

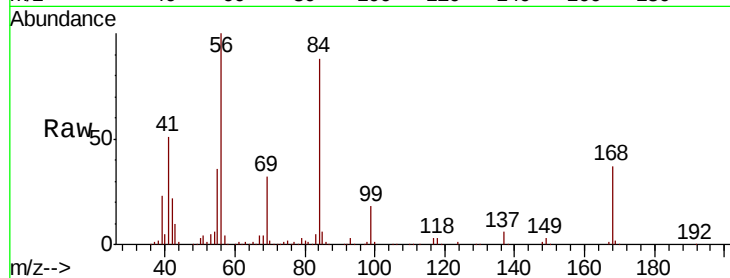
Tot Ion: 56 Resp: 742221

Ion Ratio Lower Upper

56 100

69 32.2 25.6 38.4

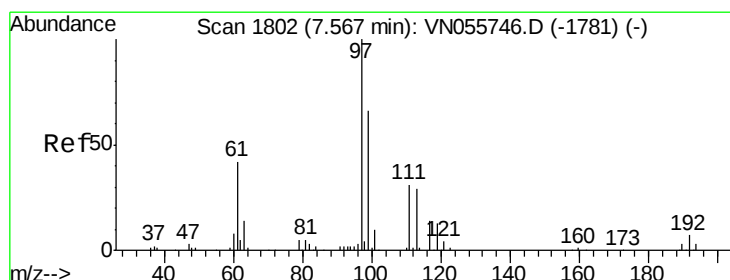
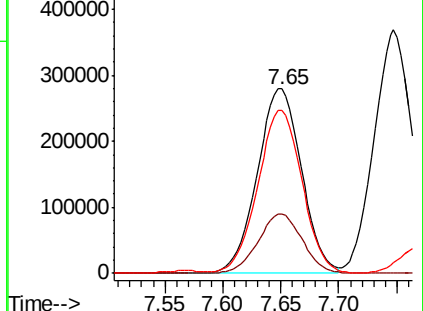
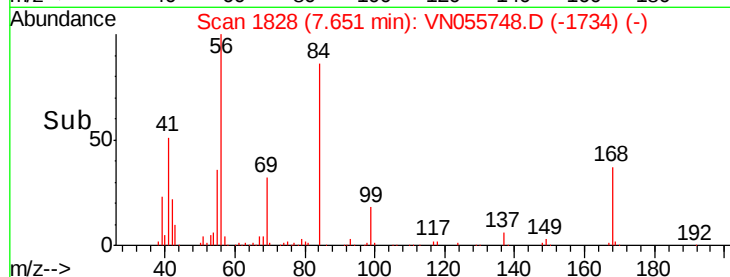
84 87.0 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055748.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN055748.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN055748.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 134.856 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

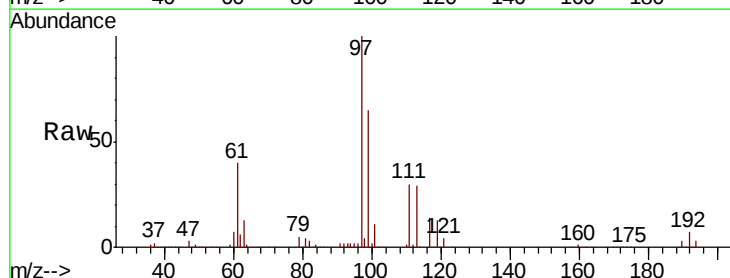
Tgt Ion: 97 Resp: 720609

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

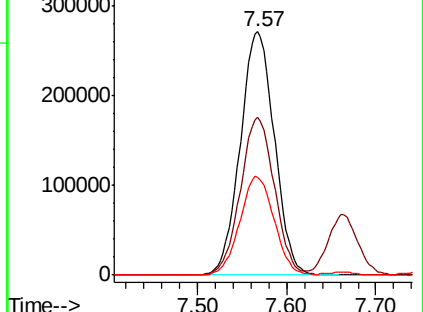
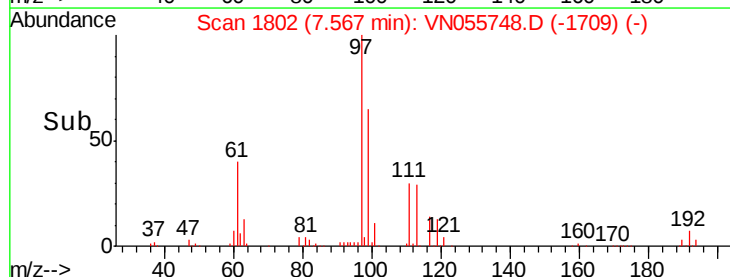
61 40.7 32.9 49.3

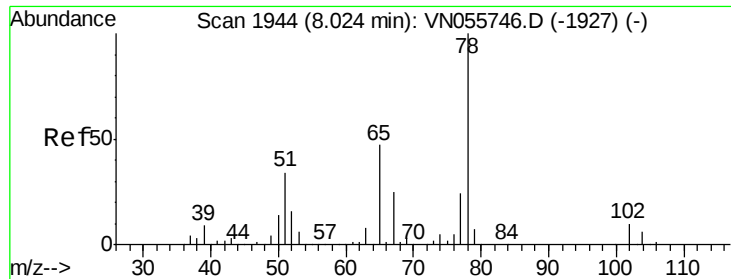


Abundance Ion 96.90 (96.60 to 97.60): VN055748.D (-1709) (-)

Ion 98.90 (98.60 to 99.60): VN055748.D (-1709) (-)

Ion 60.90 (60.60 to 61.60): VN055748.D (-1709) (-)

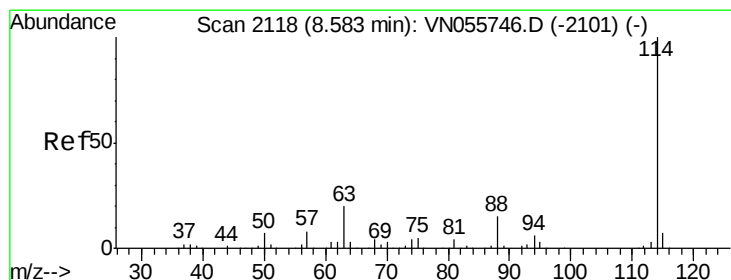
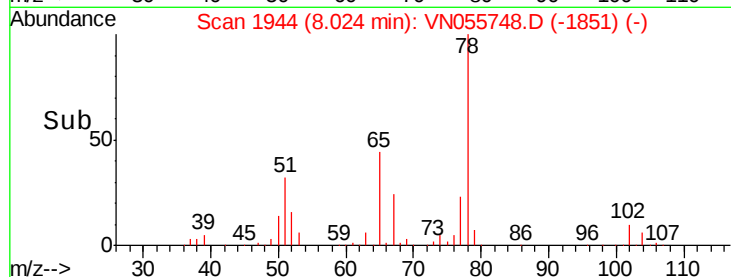
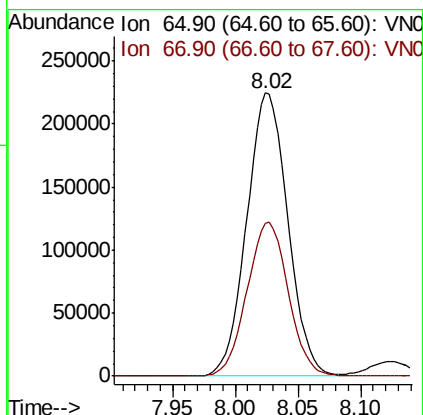
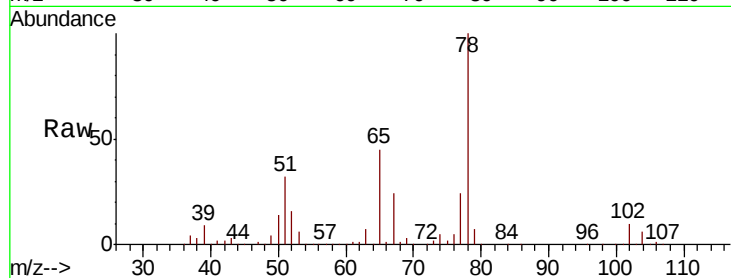




#33
 1,2-Dichloroethane-d4
 Concen: 138.288 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

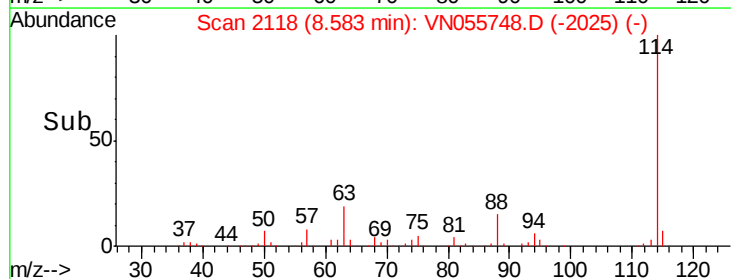
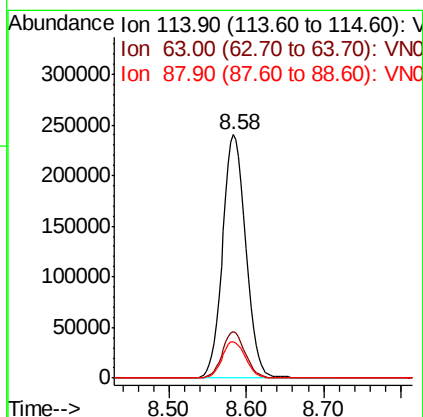
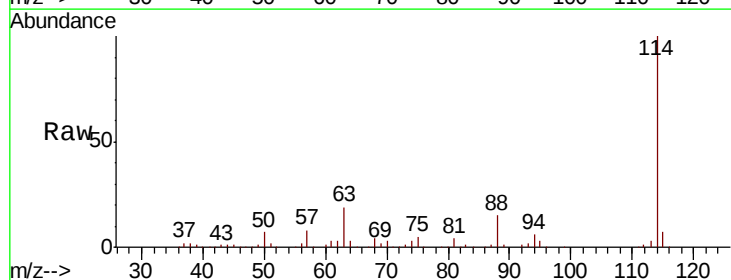
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

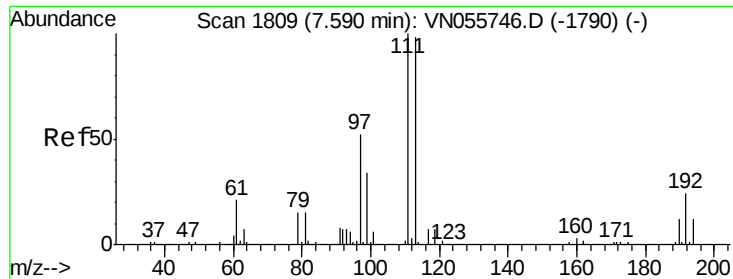
Tot Ion: 65 Resp: 513236
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion: 114 Resp: 500381
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.0 0.0 31.0

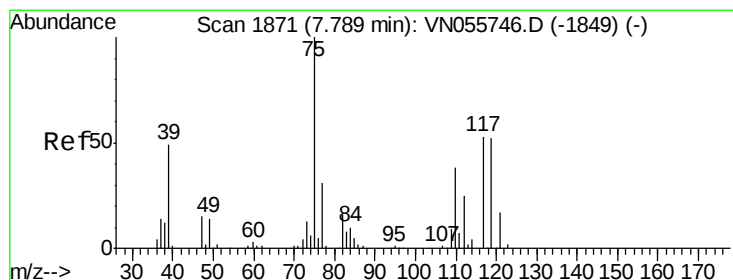
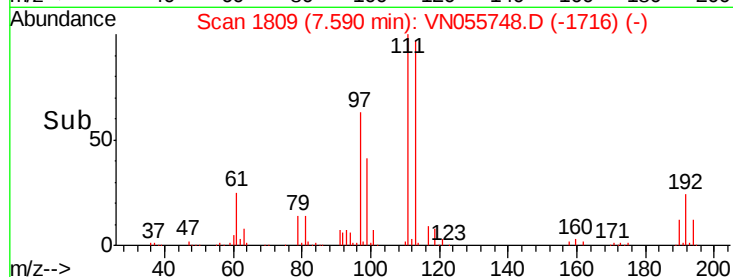
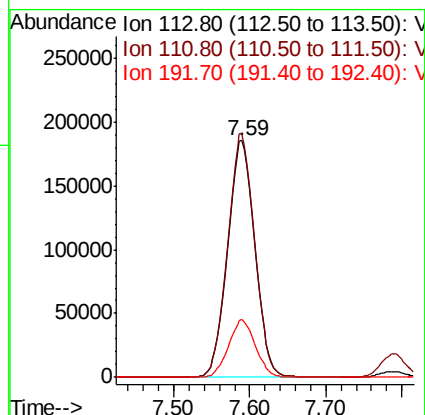
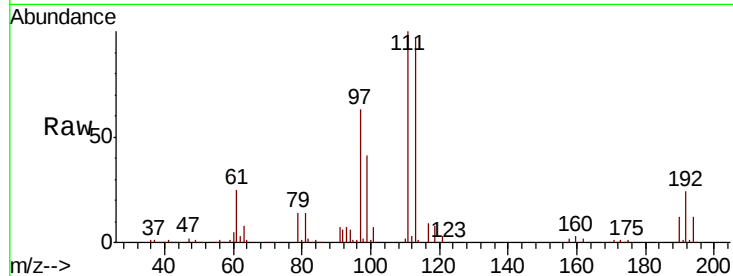




#35
 Dibromofluoromethane
 Concen: 145.717 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

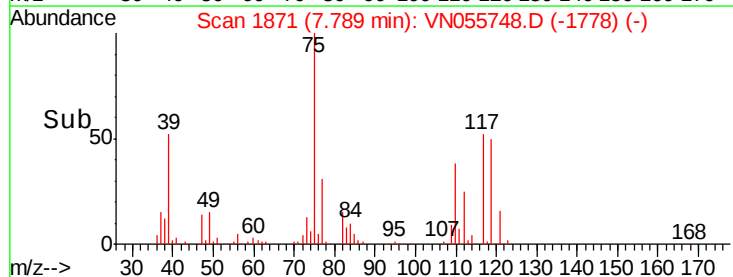
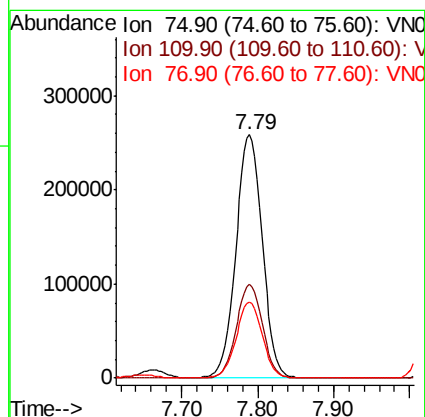
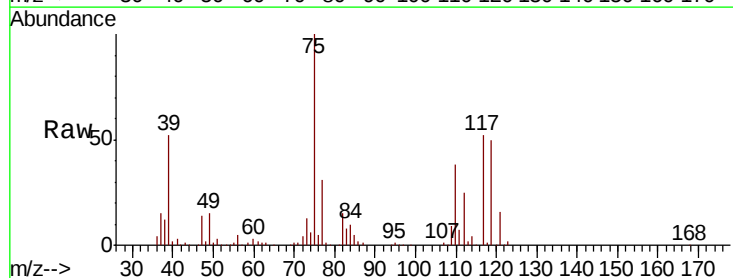
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

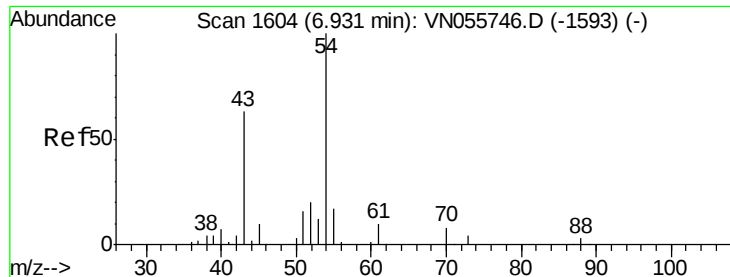
Tot Ion:113 Resp: 462386
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.9 122.9
 192 23.9 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 139.584 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion: 75 Resp: 619527
 Ion Ratio Lower Upper
 75 100
 110 38.0 19.0 57.0
 77 31.2 25.1 37.7

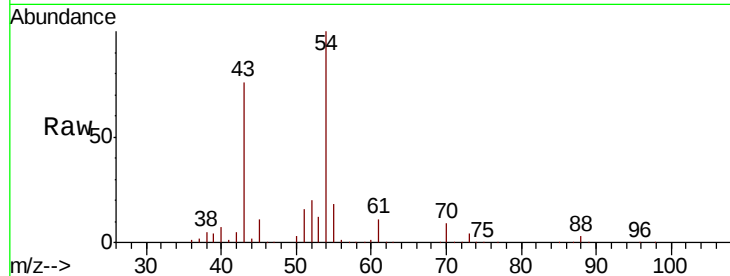




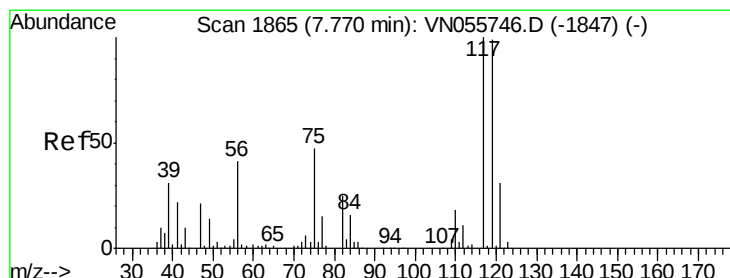
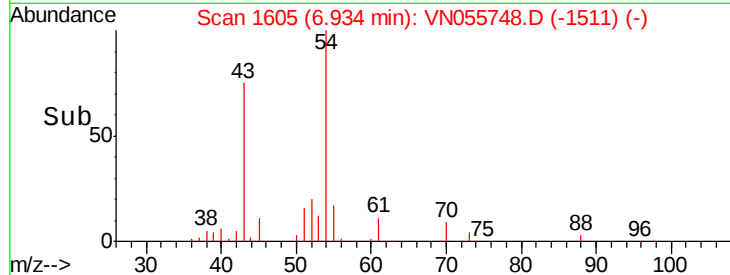
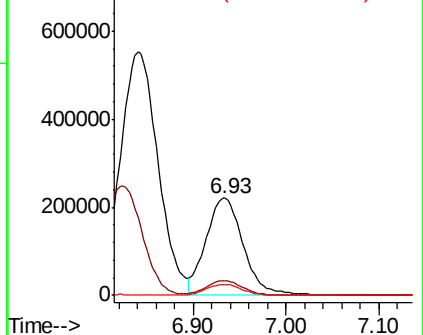
#37
Ethyl Acetate
Concen: 151.784 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 610465
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 11.3 8.9 13.3

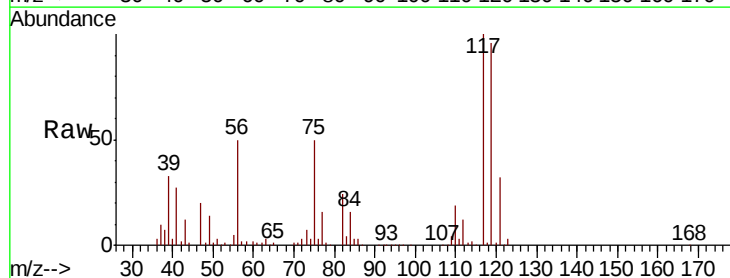


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

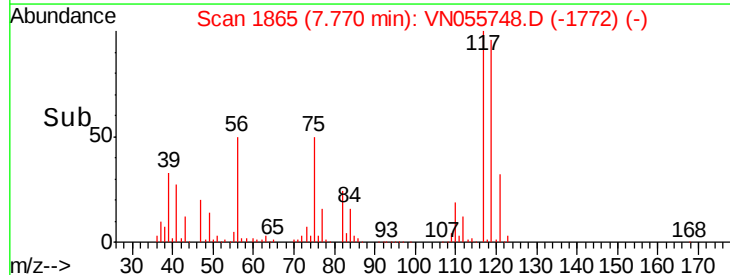
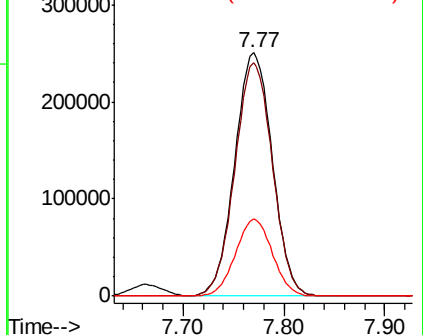


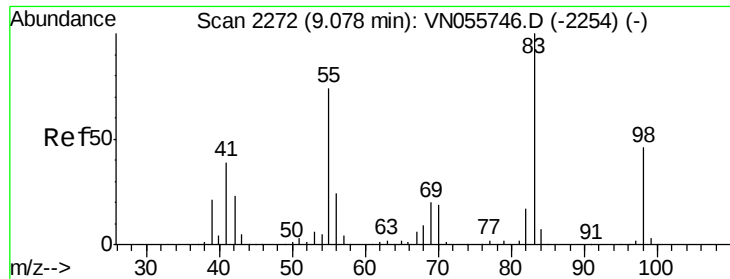
#38
Carbon Tetrachloride
Concen: 136.084 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 117 Resp: 646655
Ion Ratio Lower Upper
117 100
119 96.1 79.0 118.6
121 31.7 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

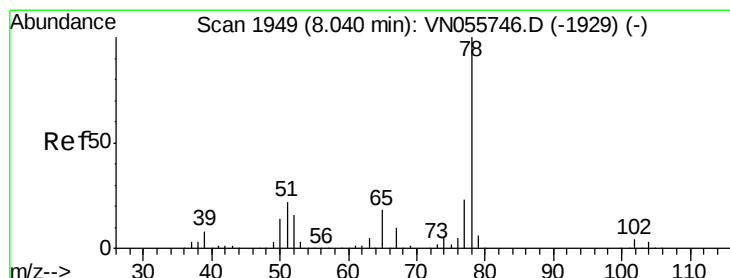
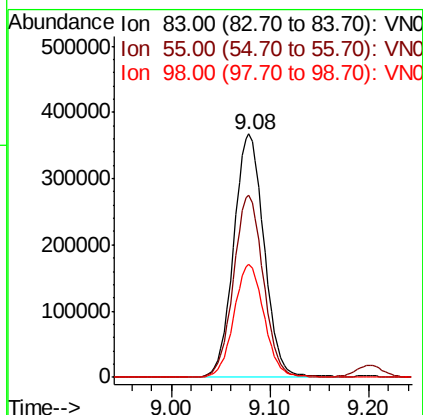
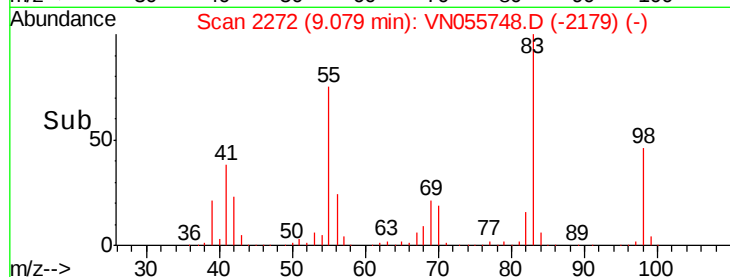
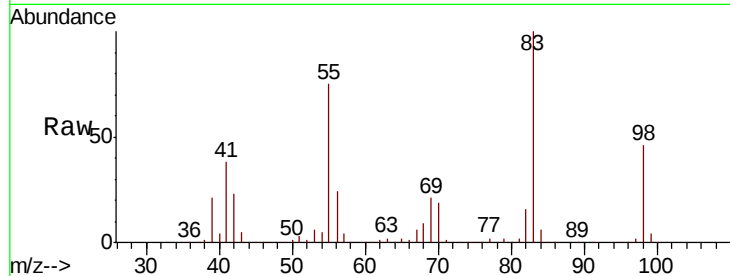




#39
Methvlcvclohexane
Concen: 146.100 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

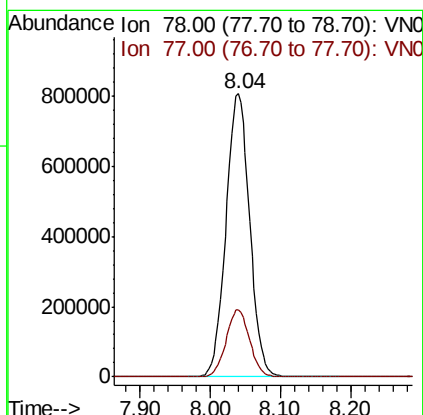
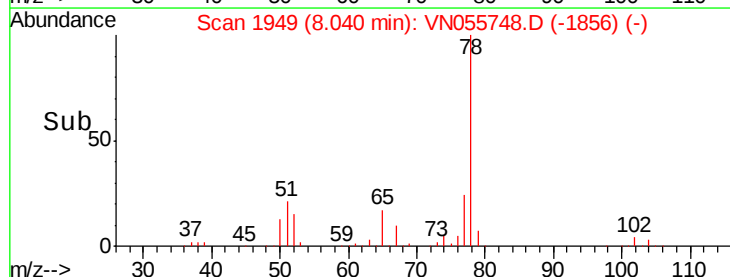
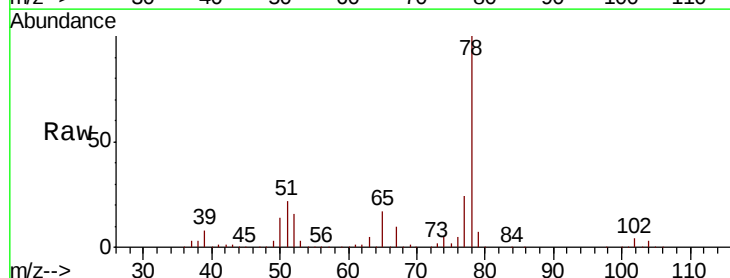
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

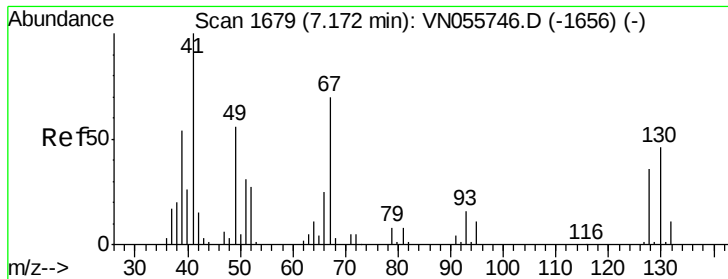
Tot Ion: 83 Resp: 786417
Ion Ratio Lower Upper
83 100
55 74.7 59.3 88.9
98 46.5 36.6 54.8



#40
Benzene
Concen: 144.096 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 78 Resp: 1892350
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 174.138 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 304032

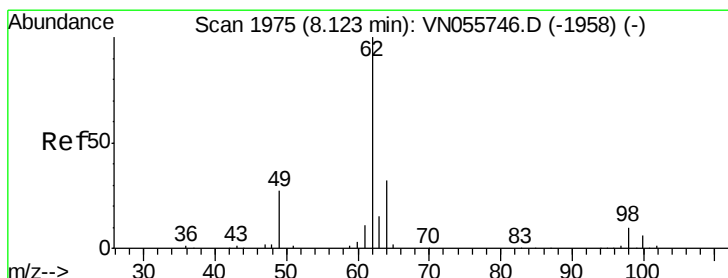
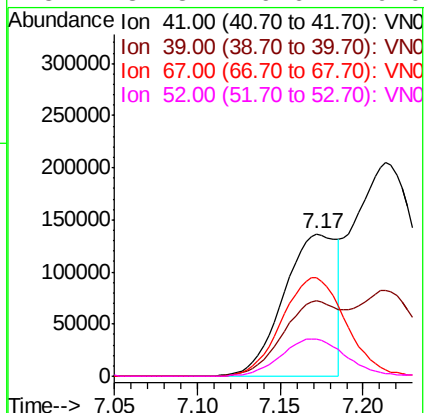
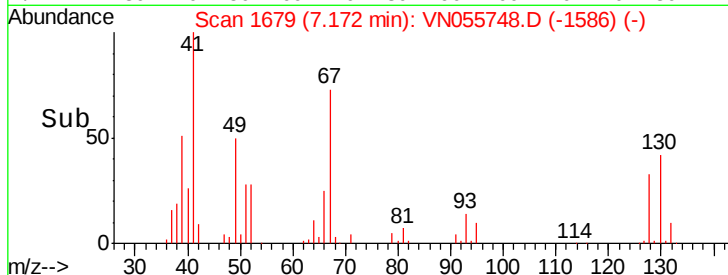
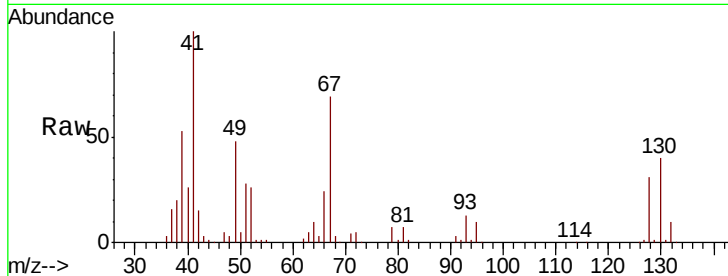
Ion Ratio Lower Upper

41 100

39 60.7 45.6 68.4

67 83.9 67.7 101.5

52 31.8 26.6 40.0



#42

1,2-Dichloroethane

Concen: 144.971 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055748.D

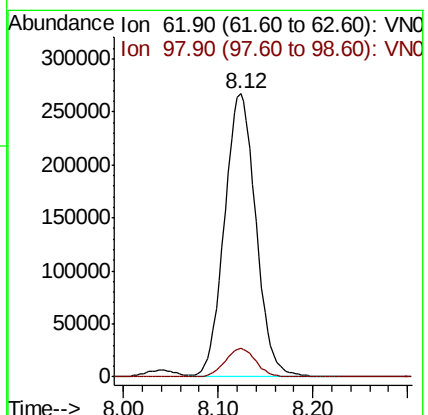
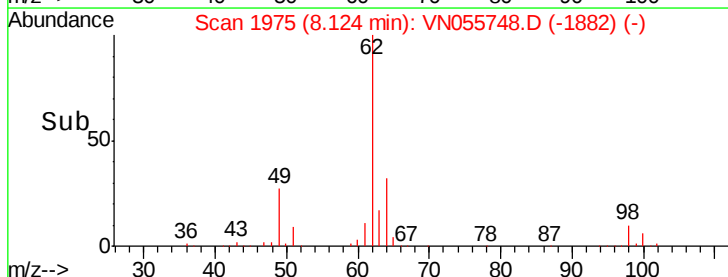
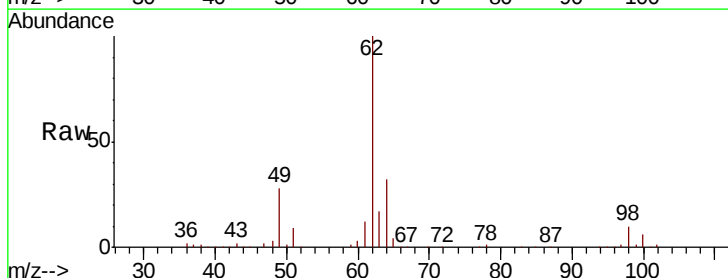
Acq: 23 May 2019 11:25

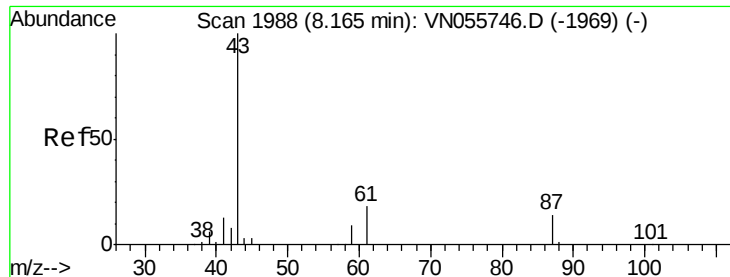
Tgt Ion: 62 Resp: 615359

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.2





#43

Isopropyl Acetate

Concen: 148.914 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

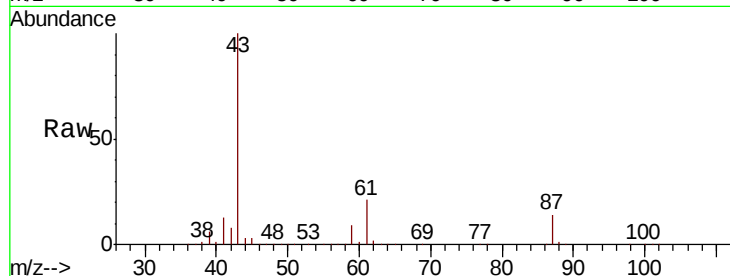
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1043417

Ion	Ratio	Lower	Upper
43	100		
61	21.7	22.2	33.4#
87	14.3	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055748.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055748.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055748.D (-1969) (-)

8.17

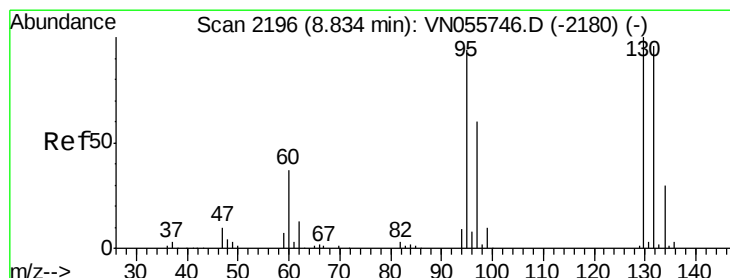
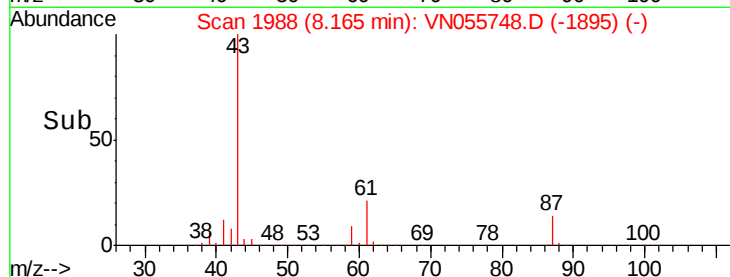
600000

400000

200000

0

Time-->



#44

Trichloroethene

Concen: 145.410 ug/l

RT: 8.83 min Scan# 2196

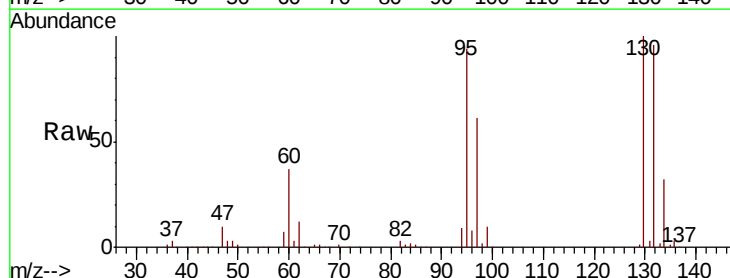
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion: 130 Resp: 538359

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055748.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055748.D (-2180) (-)

8.83

300000

250000

200000

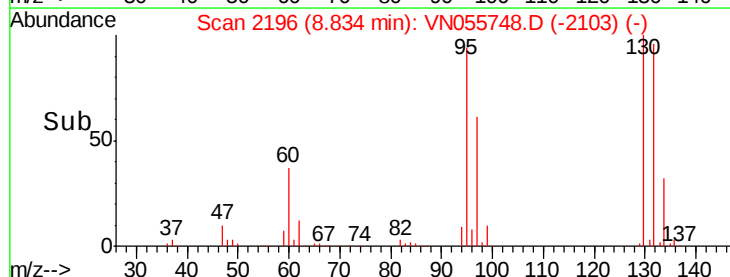
150000

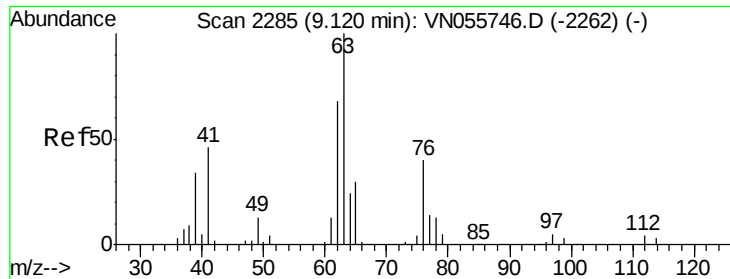
100000

50000

0

Time-->





#45

1,2-Dichloropropane

Concen: 144.095 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

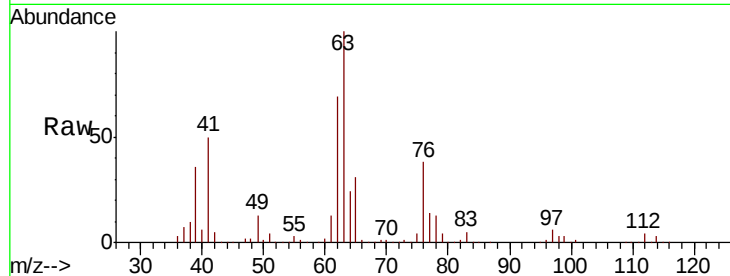
VSTDIC150

Tot Ion: 63 Resp: 497974

Ion Ratio Lower Upper

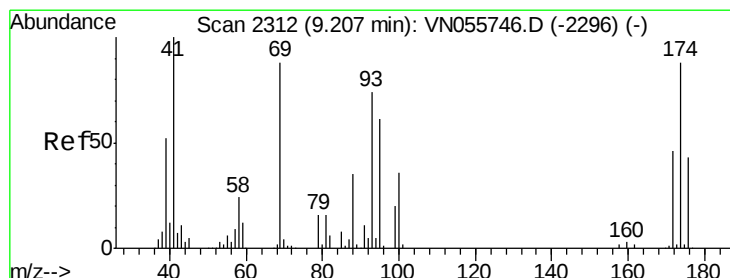
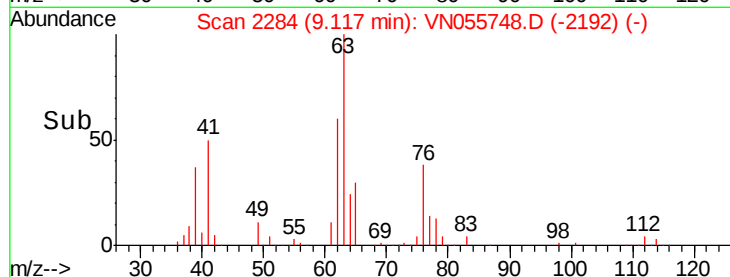
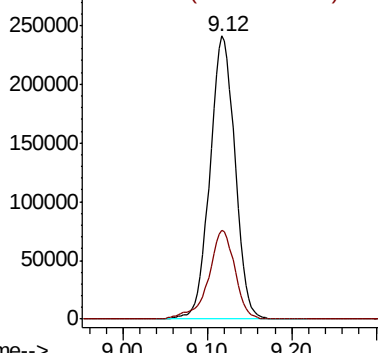
63 100

65 31.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 145.683 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

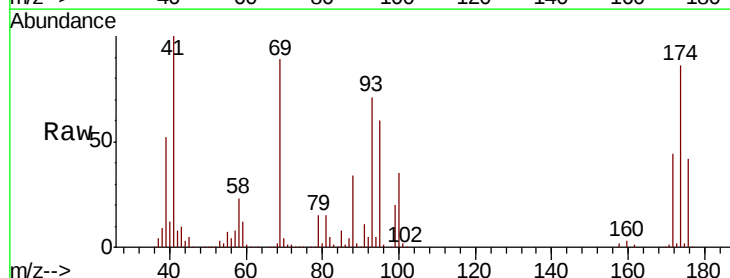
Tgt Ion: 93 Resp: 330024

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

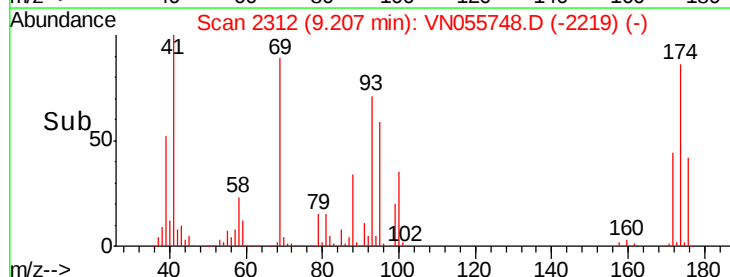
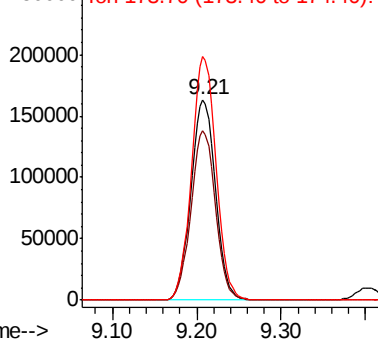
174 121.1 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 141.581 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

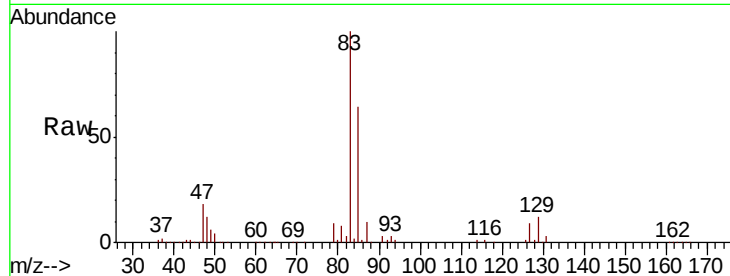
Tot Ion: 83 Resp: 669434

Ion Ratio Lower Upper

83 100

85 64.5 52.2 78.2

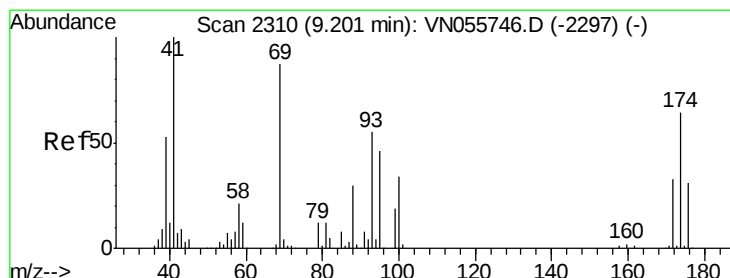
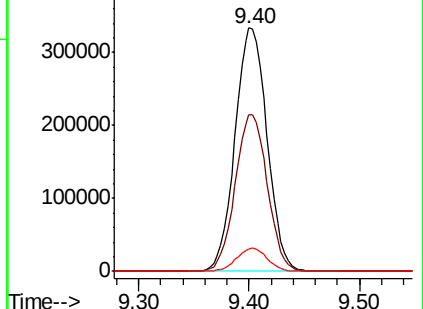
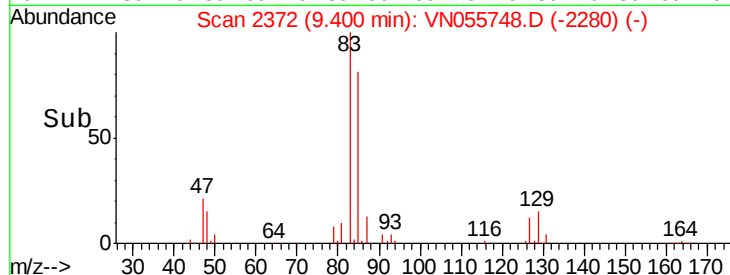
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055748.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055748.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055748.D (-2354) (-)



#48

Methyl methacrylate

Concen: 158.115 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

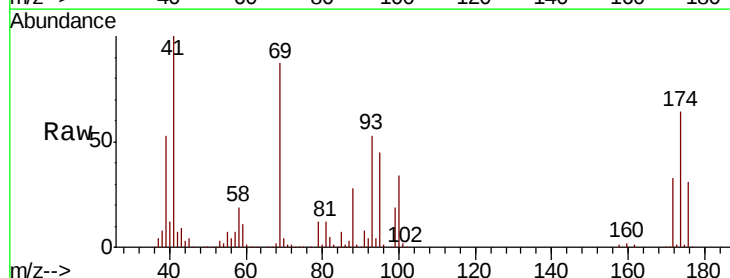
Tgt Ion: 41 Resp: 496374

Ion Ratio Lower Upper

41 100

69 90.3 71.0 106.6

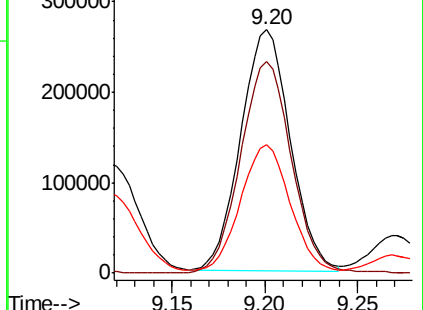
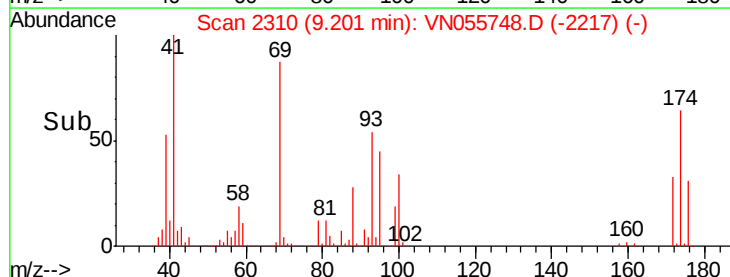
39 54.1 44.2 66.2

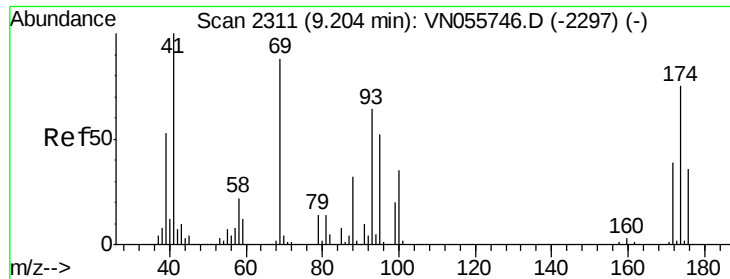


Abundance Ion 41.00 (40.70 to 41.70): VN055748.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055748.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055748.D (-2217) (-)





#49

1,4-Dioxane

Concen: 3202.487 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

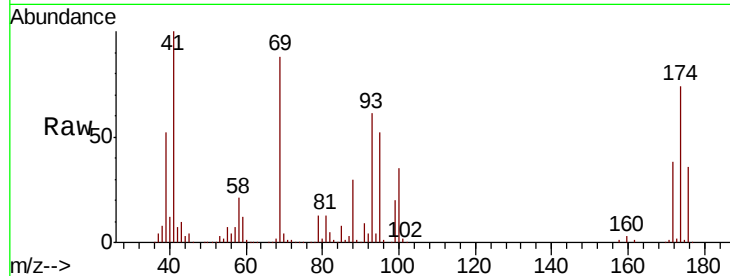
Tot Ion: 88 Resp: 199242

Ion Ratio Lower Upper

88 100

43 25.7 20.5 30.7

58 69.4 55.8 83.6

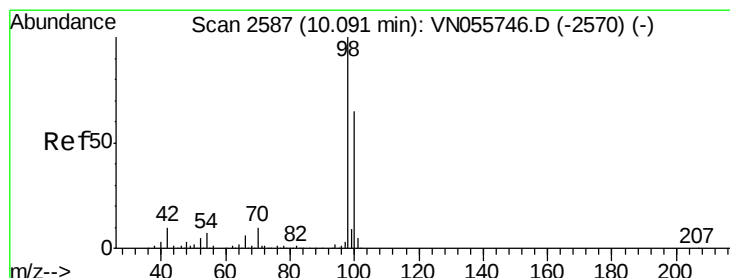
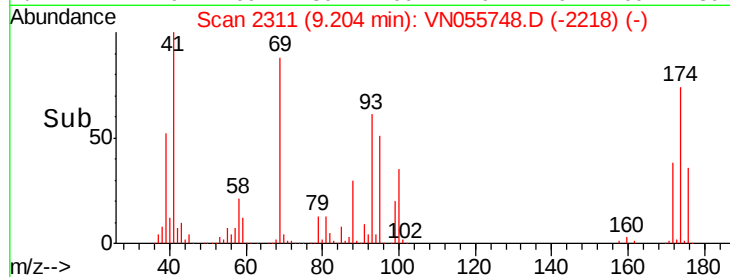
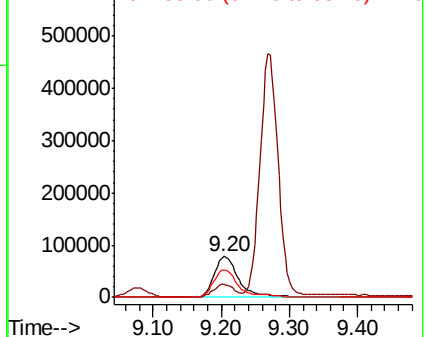


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 147.723 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055748.D

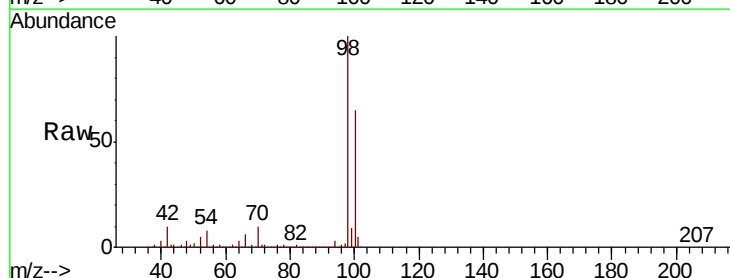
Acq: 23 May 2019 11:25

Tgt Ion: 98 Resp: 1776870

Ion Ratio Lower Upper

98 100

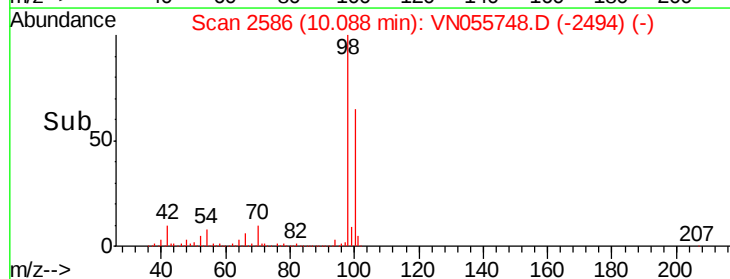
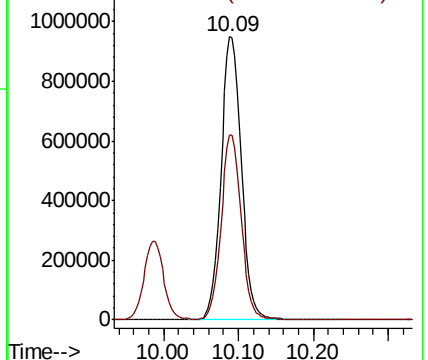
100 64.8 51.9 77.9

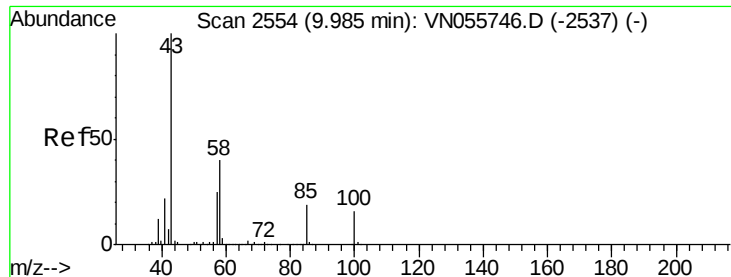


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

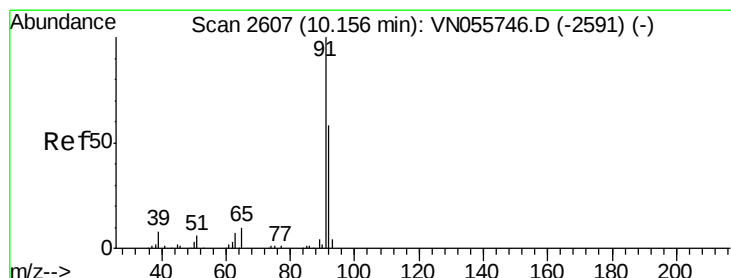
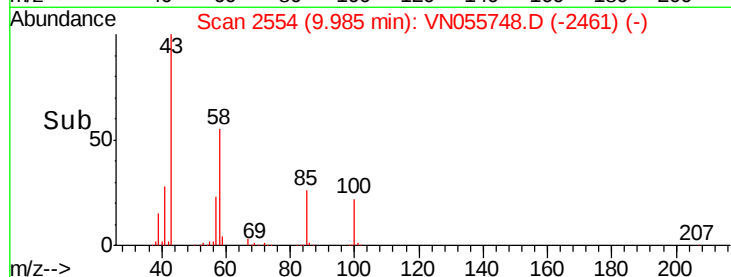
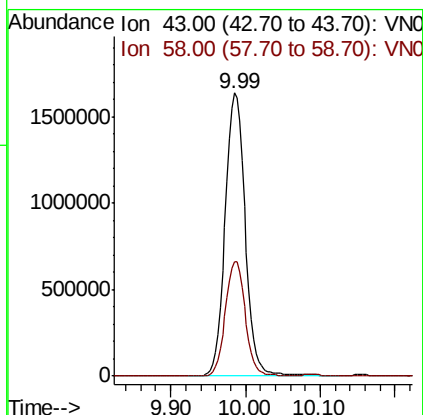
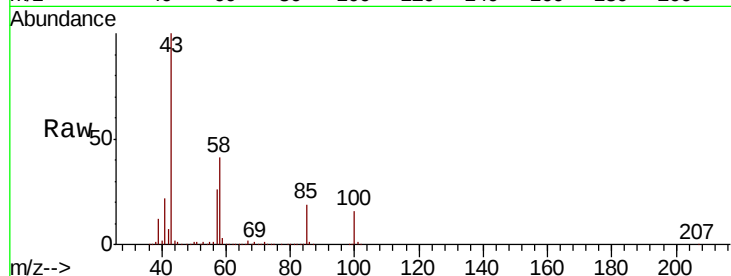




#51
 4-Methyl-2-Pentanone
 Concen: 733.004 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

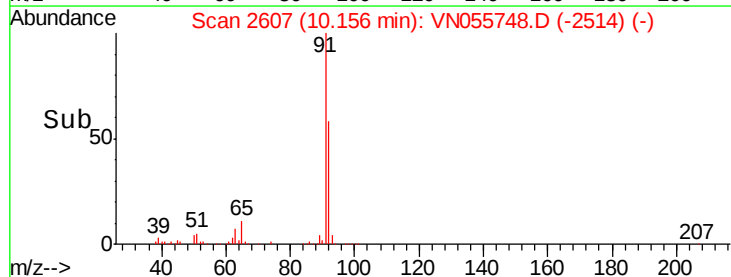
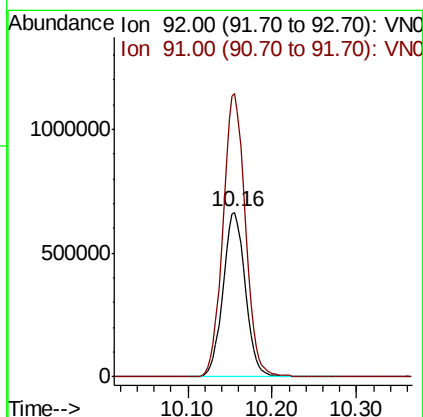
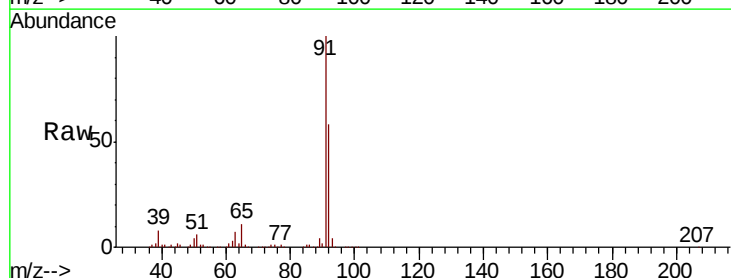
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

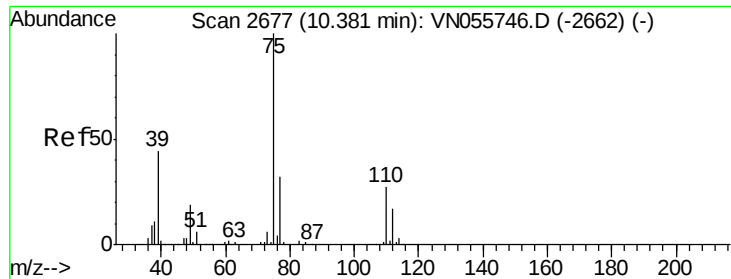
Tot Ion: 43 Resp: 3034908
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.1 48.1



#52
 Toluene
 Concen: 147.774 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion: 92 Resp: 1220204
 Ion Ratio Lower Upper
 92 100
 91 172.9 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 150.255 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

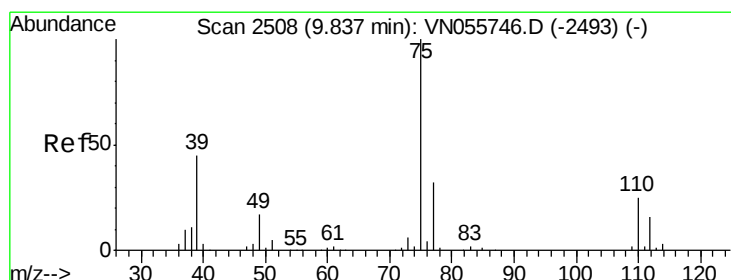
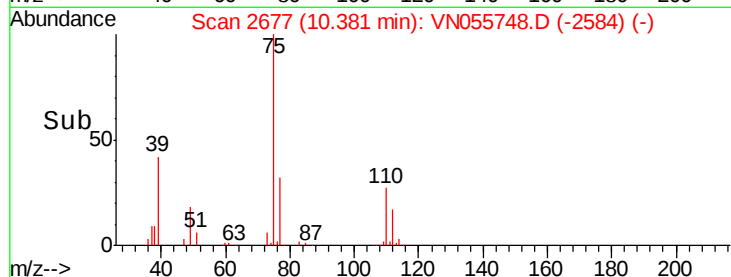
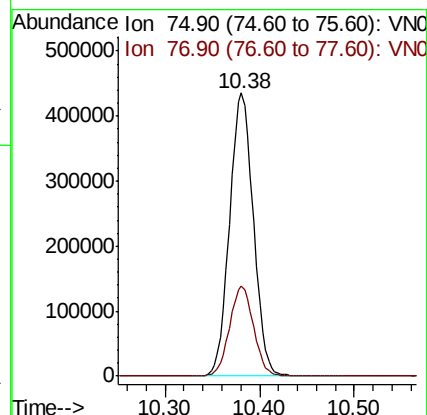
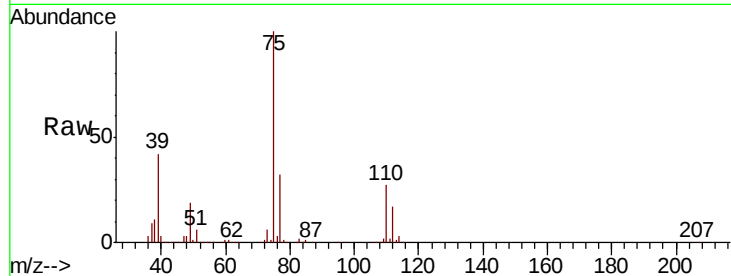
VSTDIC150

Tot Ion: 75 Resp: 763186

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 147.836 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

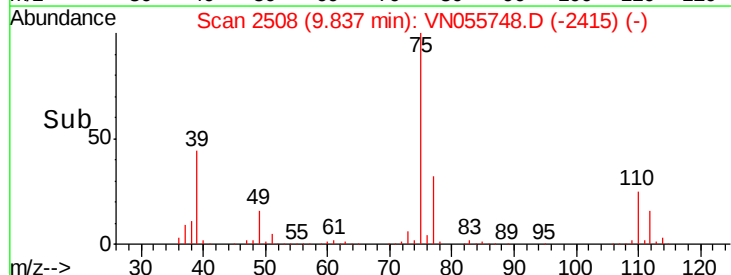
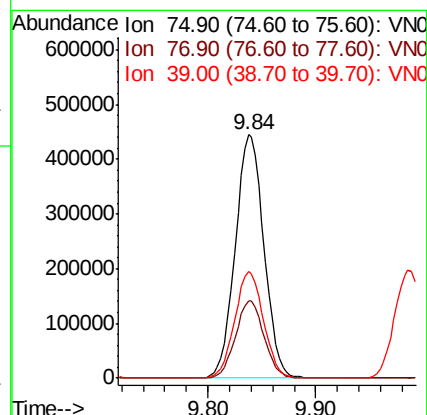
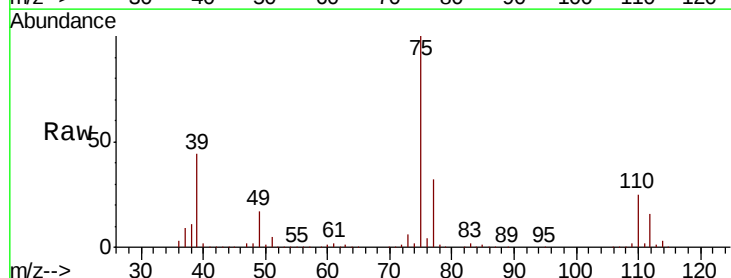
Tgt Ion: 75 Resp: 822963

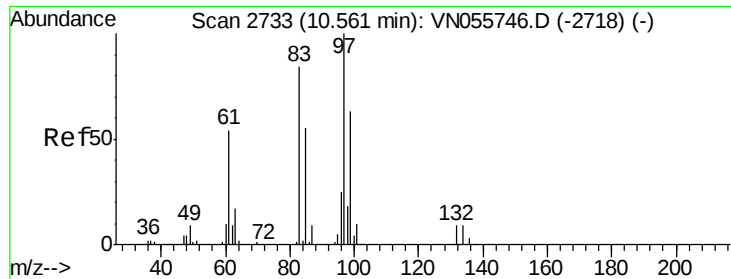
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 43.7 36.3 54.5

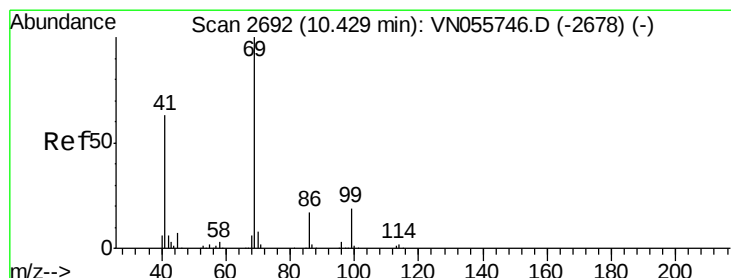
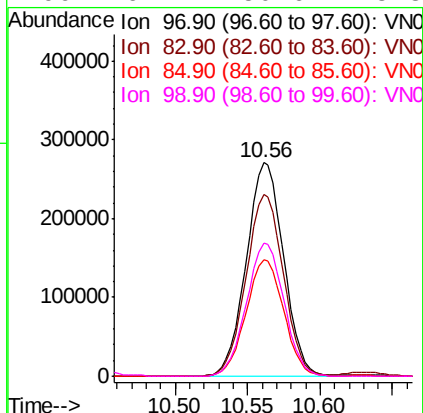
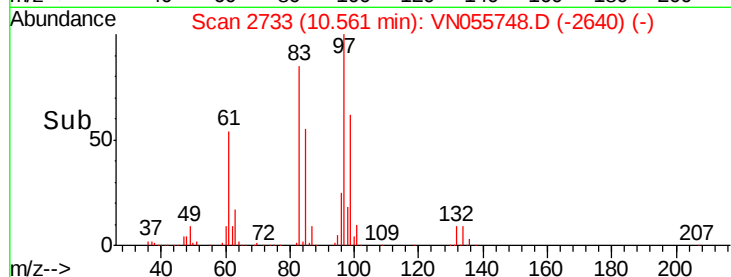
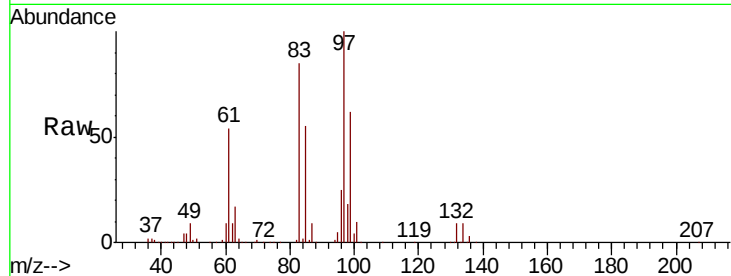




#55
 1,1,2-Trichloroethane
 Concen: 143.176 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

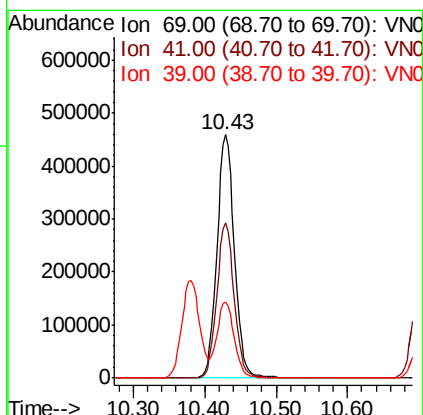
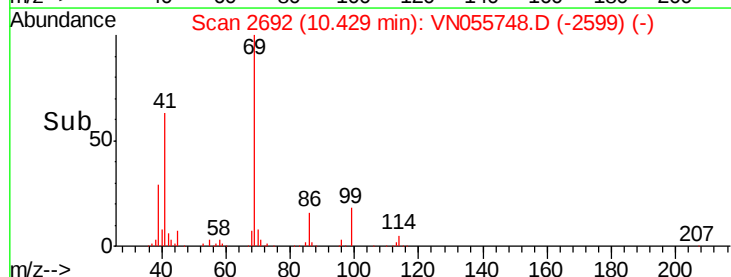
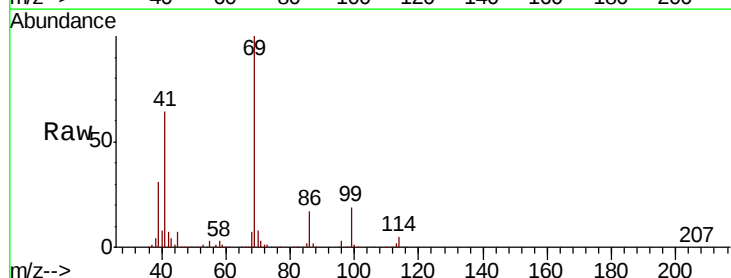
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

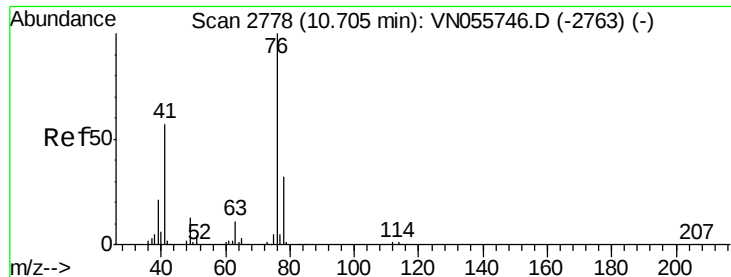
Tot Ion:	97	Resp:	486169
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.0	100.6
85	54.6	44.0	66.0
99	62.4	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 146.697 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion:	69	Resp:	777990
Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	31.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 148.031 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

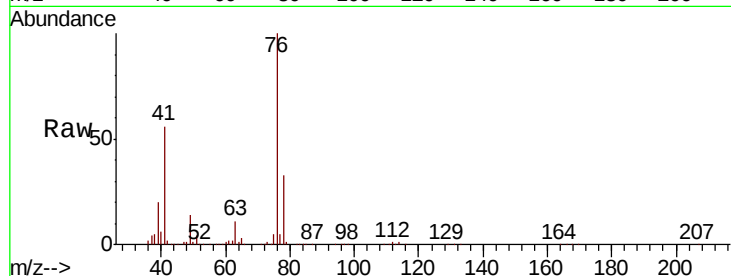
VSTDICC150

Tot Ion: 76 Resp: 794774

Ion Ratio Lower Upper

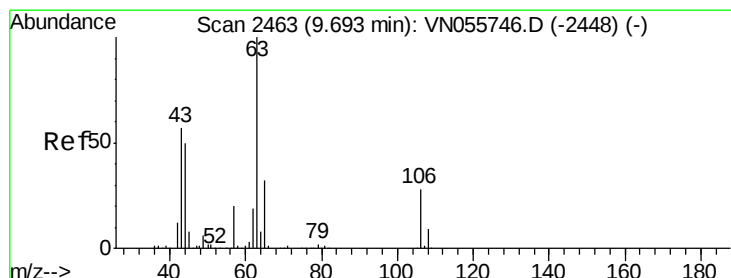
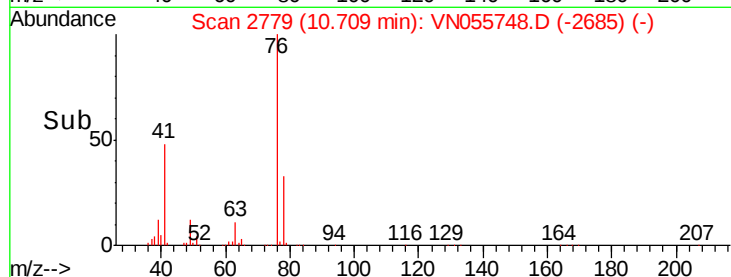
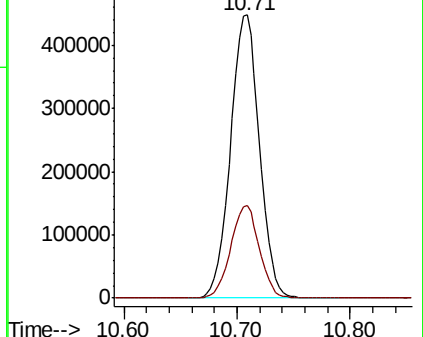
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 734.646 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055748.D

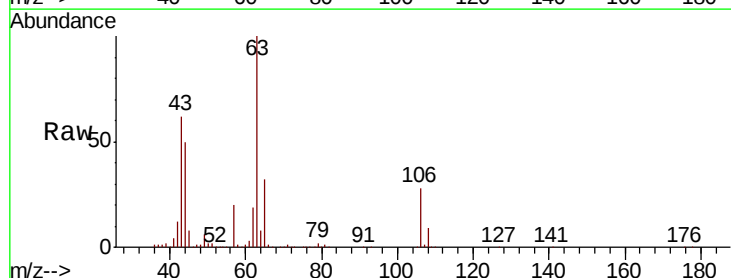
Acq: 23 May 2019 11:25

Tgt Ion: 63 Resp: 1617789

Ion Ratio Lower Upper

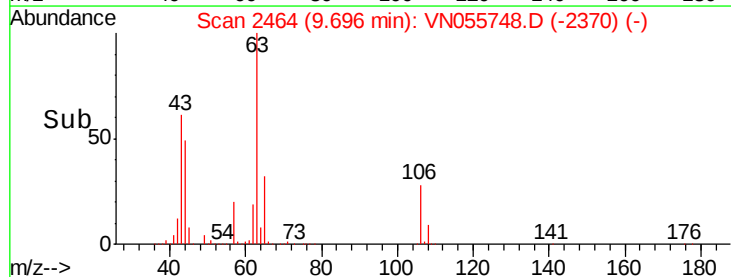
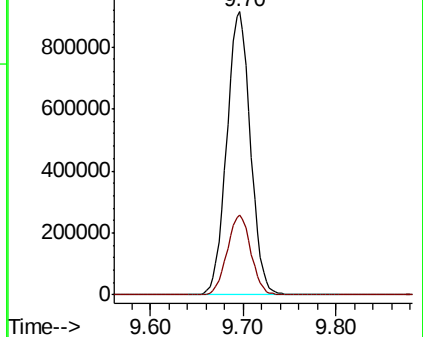
63 100

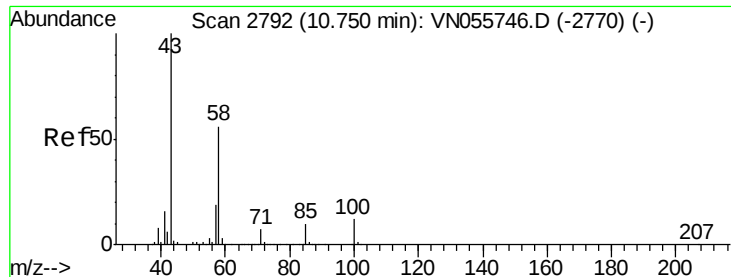
106 28.3 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

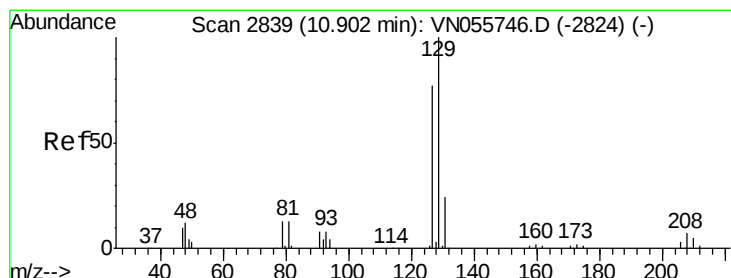
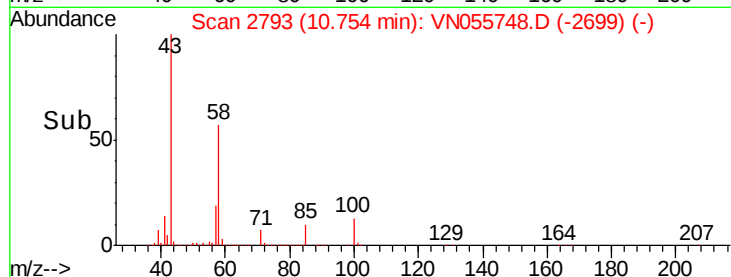
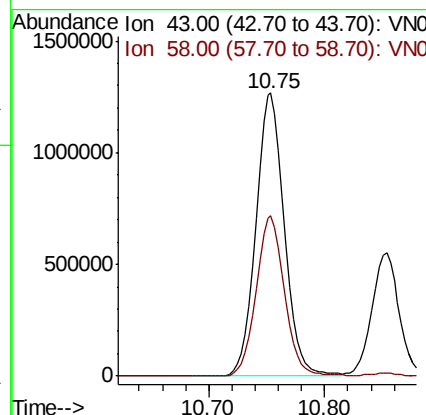
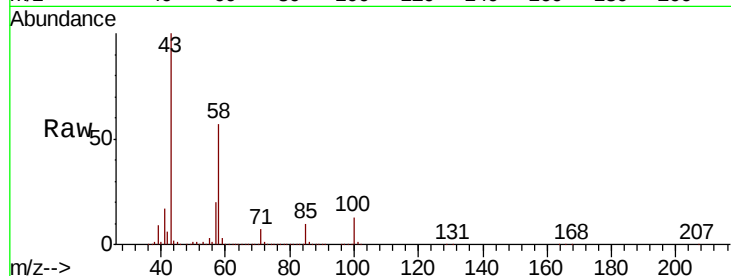




#59
2-Hexanone
Concen: 744.996 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

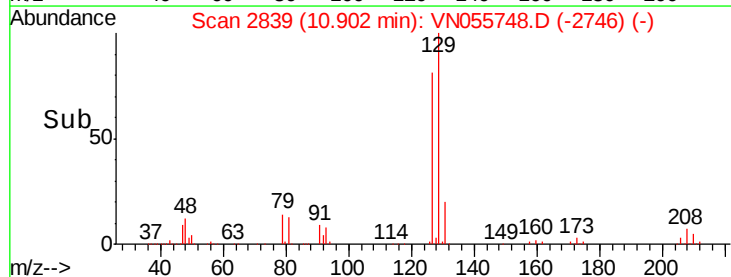
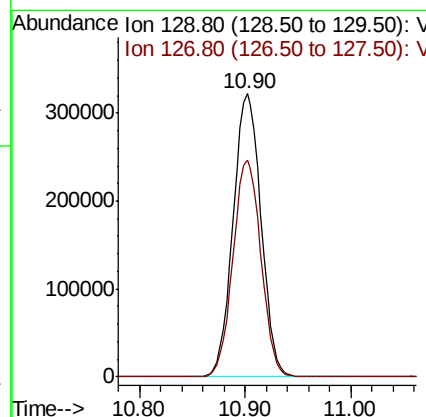
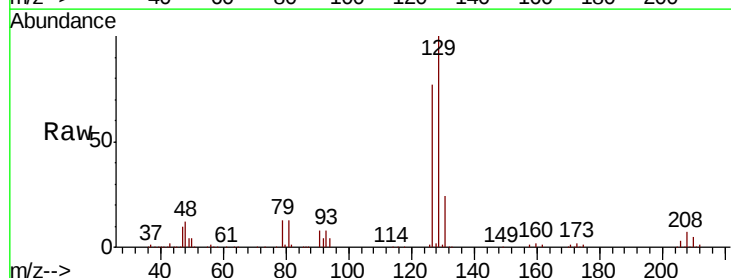
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

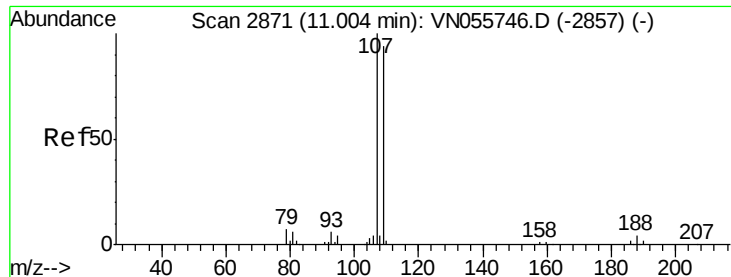
Tot Ion: 43 Resp: 2167764
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7



#60
Dibromochloromethane
Concen: 152.901 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 129 Resp: 588536
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3

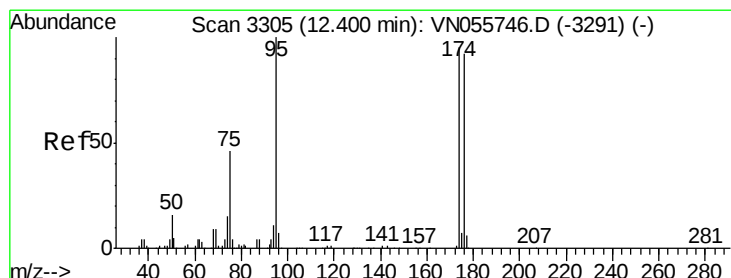
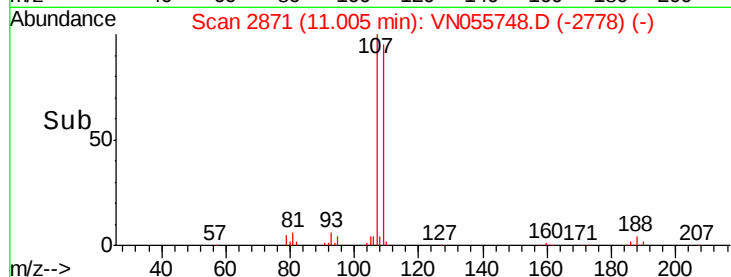
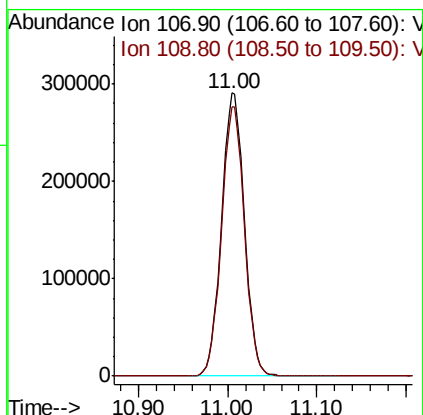
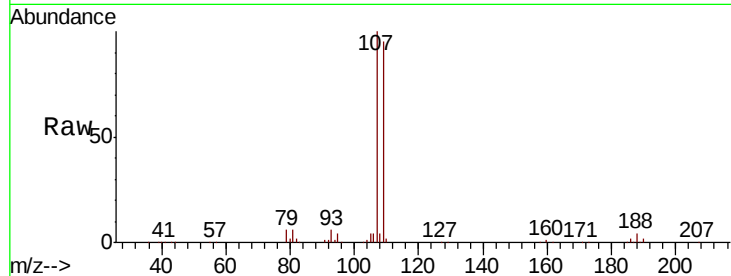




#61
 1,2-Dibromoethane
 Concen: 152.057 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

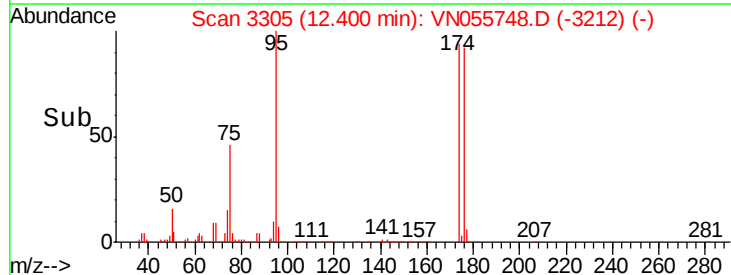
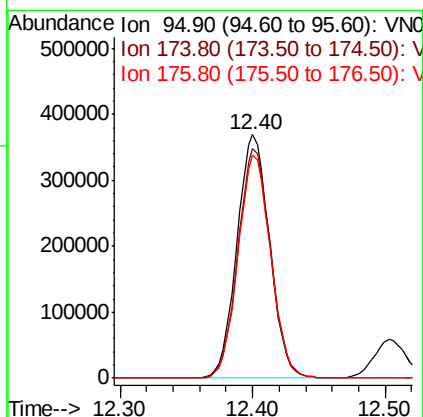
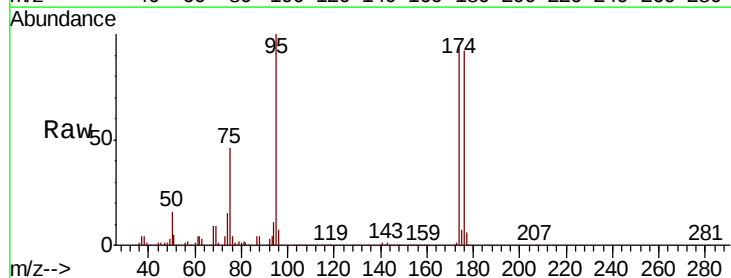
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

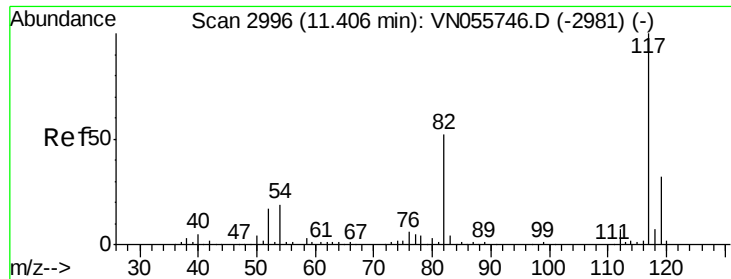
Tot Ion:107 Resp: 517048
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 151.490 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion: 95 Resp: 630081
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 191.0
 176 91.6 0.0 185.2

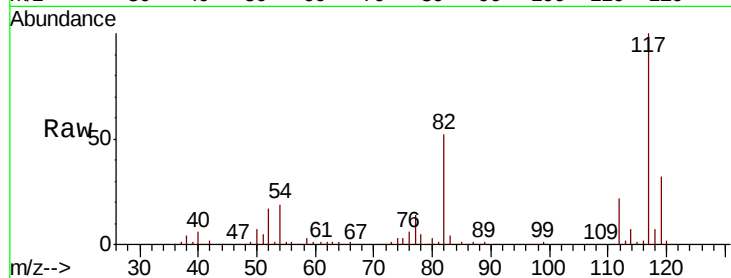




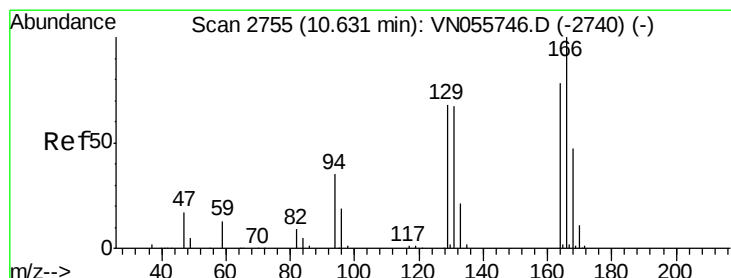
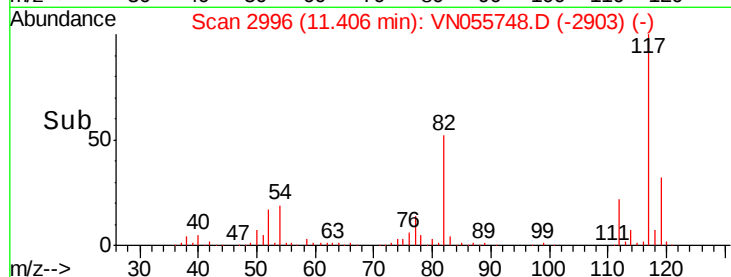
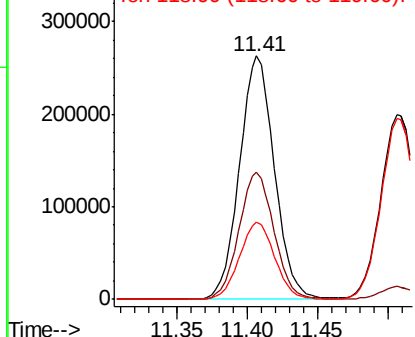
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 456510
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 31.9 25.4 38.0

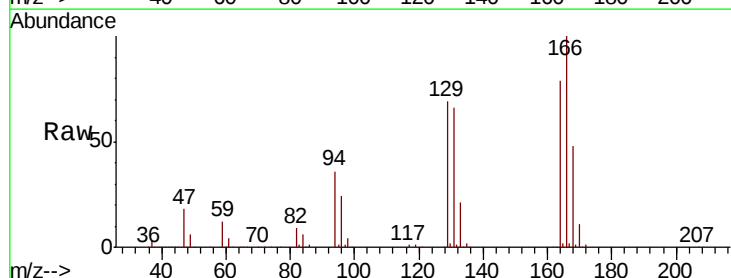


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

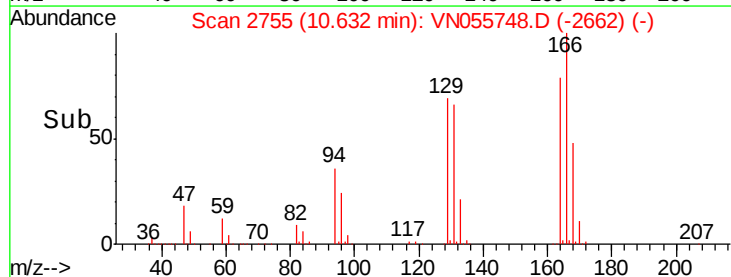
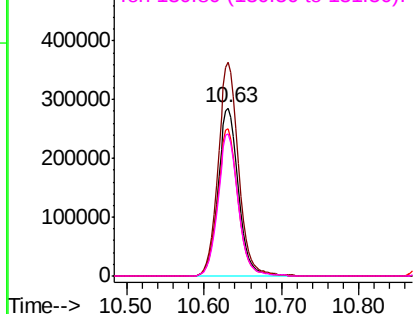


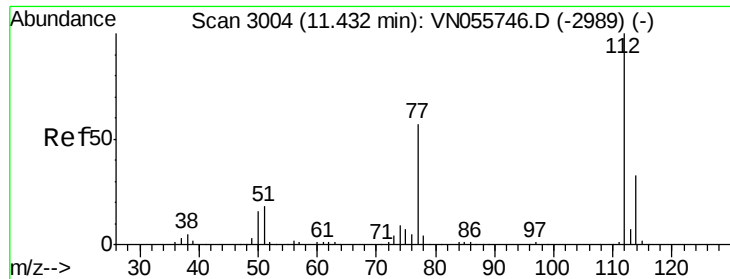
#64
Tetrachloroethene
Concen: 145.872 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion:164 Resp: 529293
Ion Ratio Lower Upper
164 100
166 127.3 103.0 154.6
129 87.6 70.6 105.8
131 84.4 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

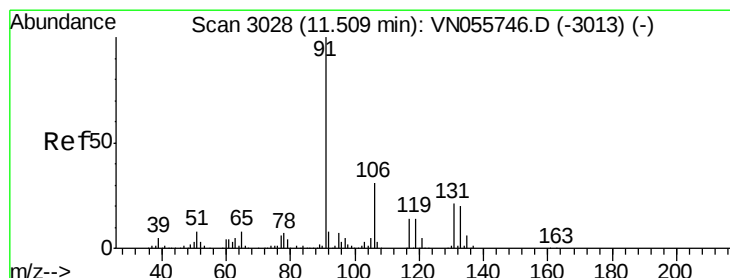
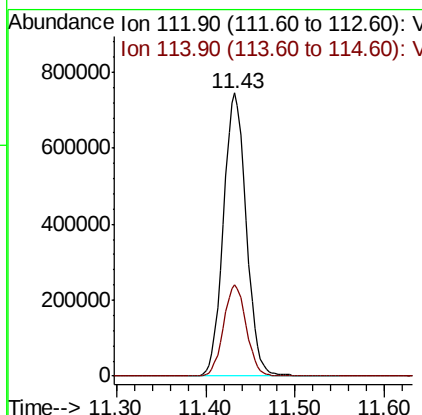
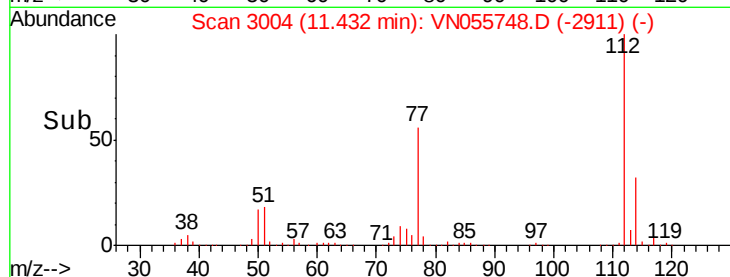
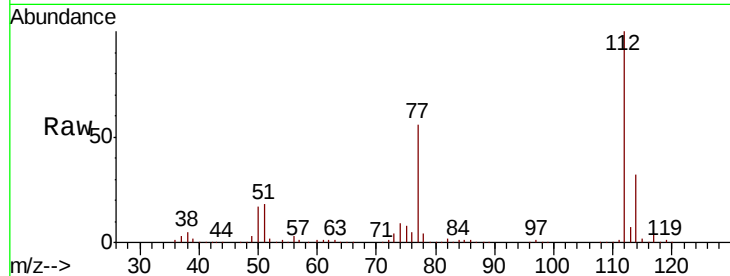




#65
Chlorobenzene
Concen: 143.205 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

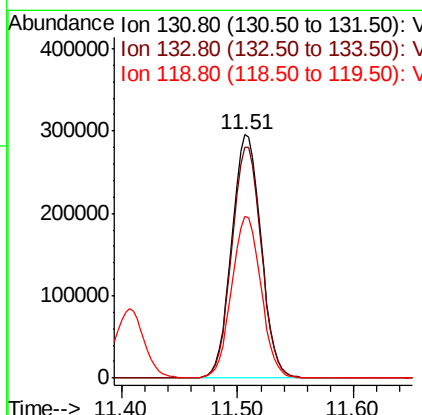
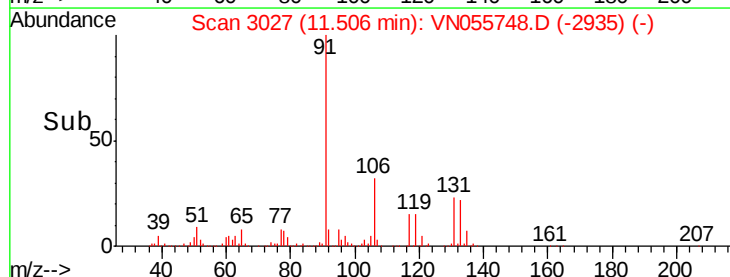
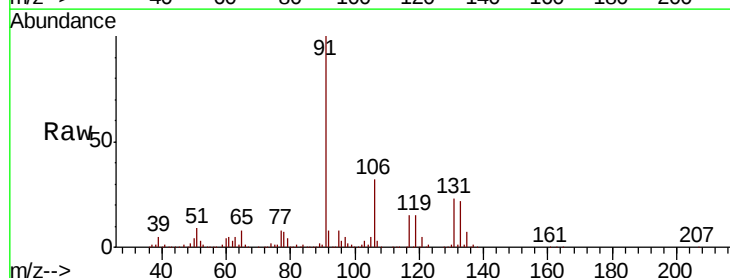
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

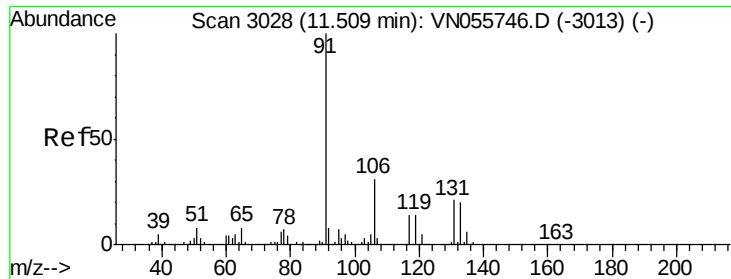
Tot Ion:112 Resp: 1320037
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 140.055 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion:131 Resp: 518765
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.4 33.1 99.5

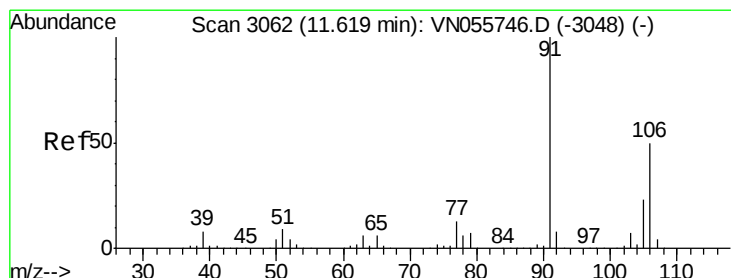
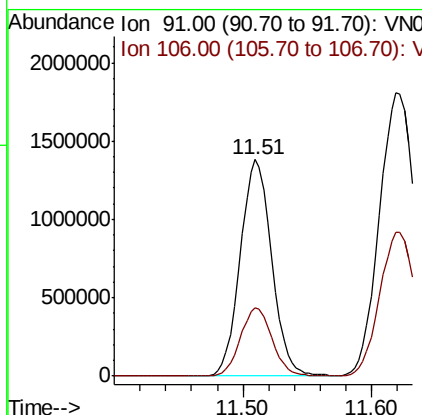
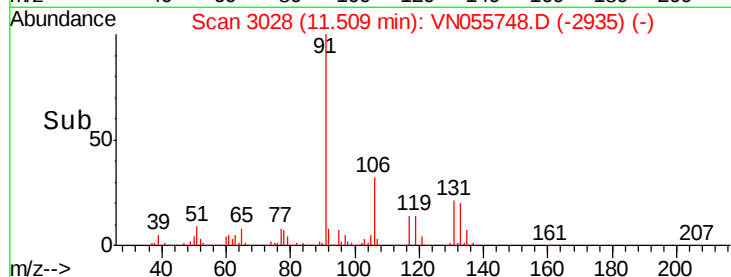
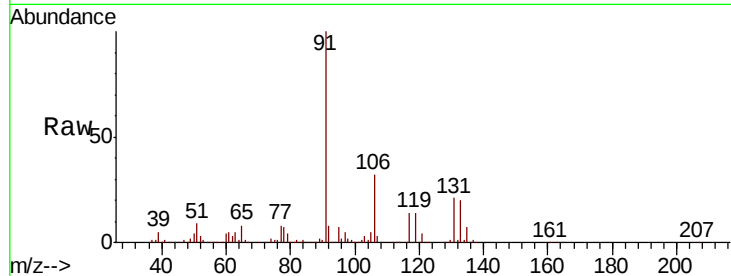




#67
Ethyl Benzene
Concen: 142.626 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

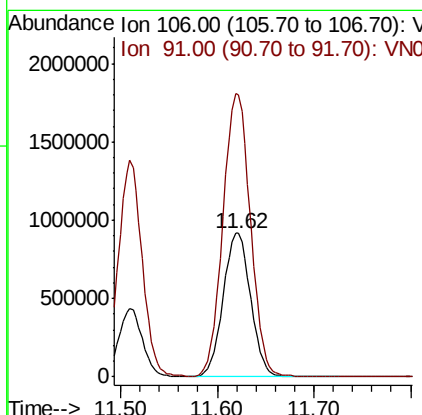
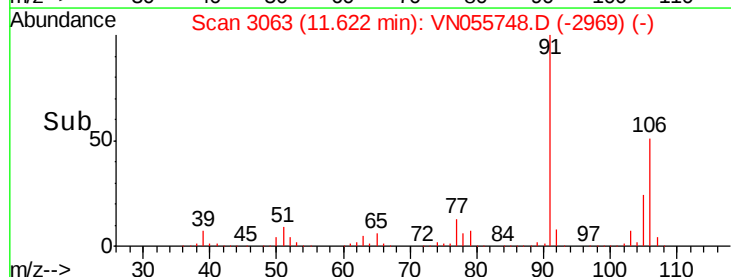
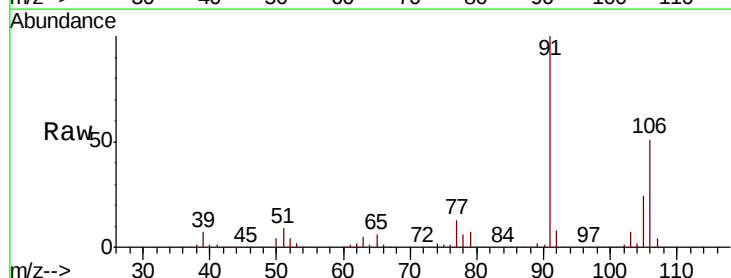
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

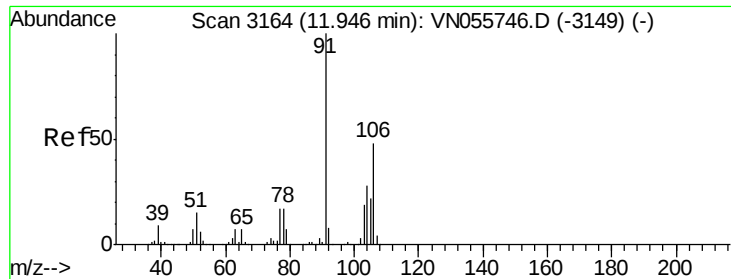
Tot Ion: 91 Resp: 2347836
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 290.292 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 106 Resp: 1804847
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9

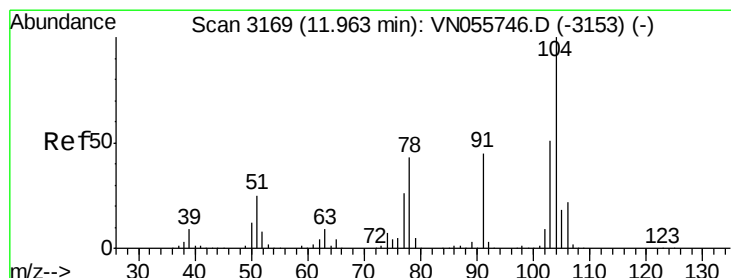
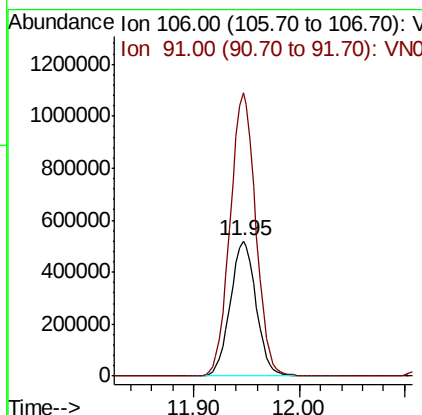
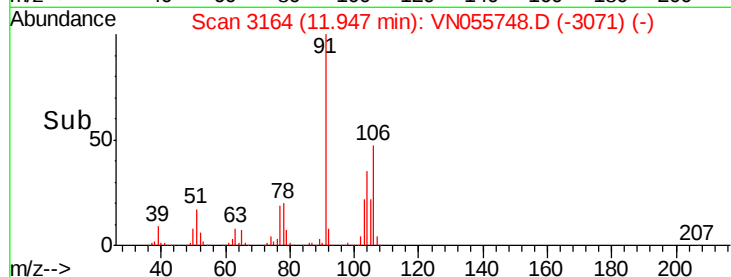
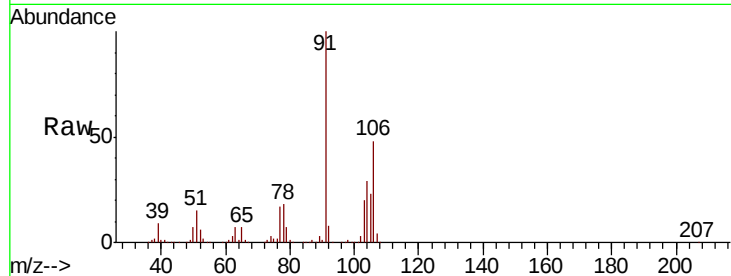




#69
o-Xylene
Concen: 143.752 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

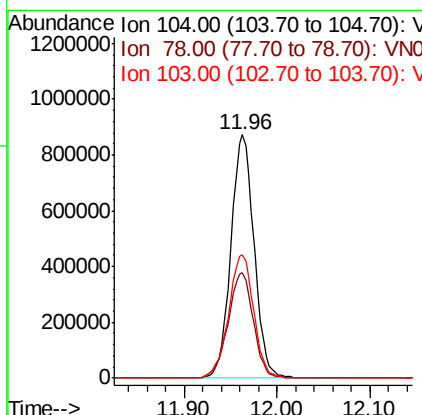
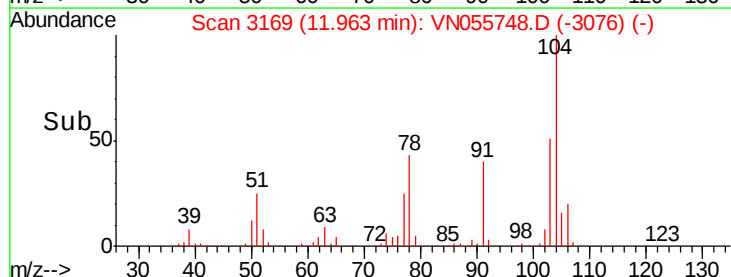
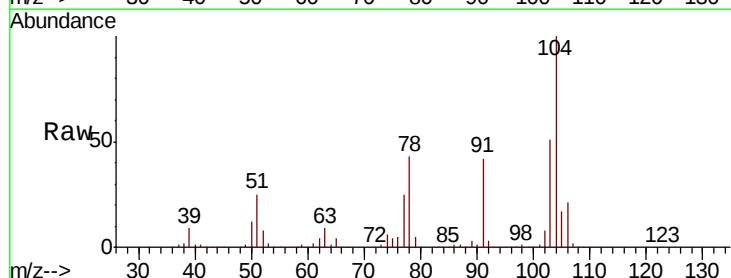
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

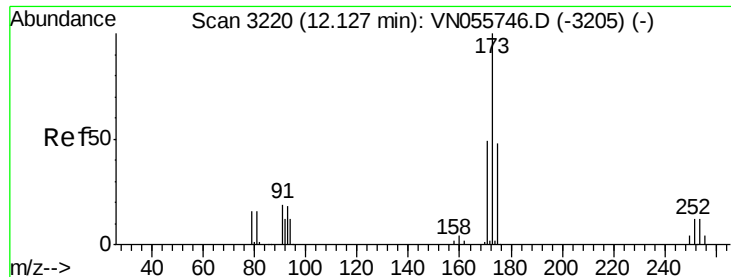
Tot Ion:106 Resp: 876872
Ion Ratio Lower Upper
106 100
91 208.6 104.7 314.1



#70
Styrene
Concen: 149.115 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion:104 Resp: 1508266
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 54.9 44.2 66.2





#71

Bromoform

Concen: 148.776 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

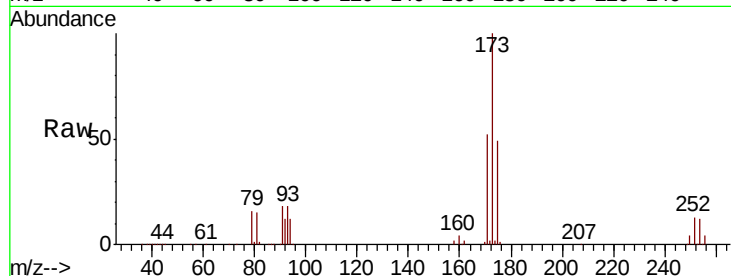
Tot Ion:173 Resp: 468171

Ion Ratio Lower Upper

173 100

175 48.9 24.3 72.8

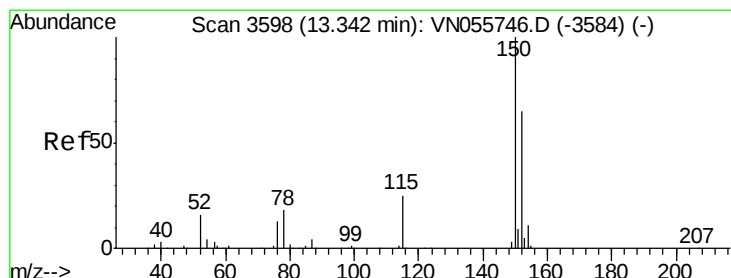
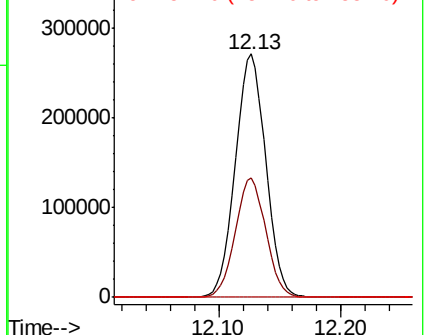
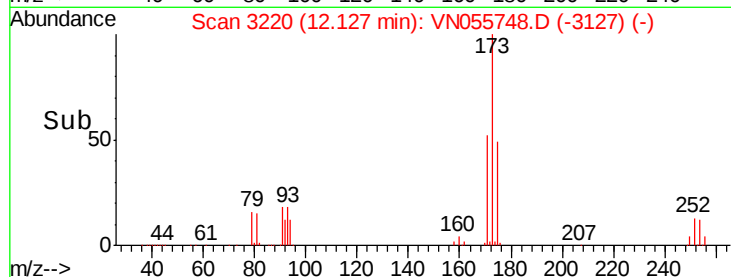
254 0.1 0.0 0.0#



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: VN055748.D

Acq: 23 May 2019 11:25

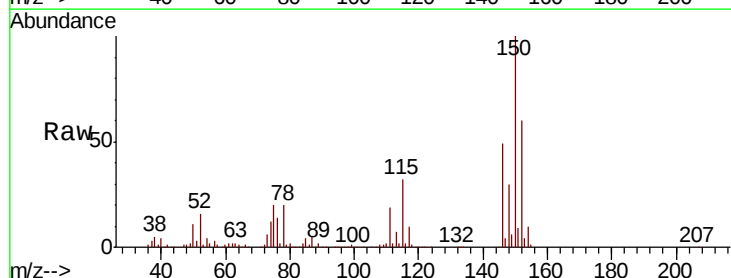
Tgt Ion:152 Resp: 222693

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

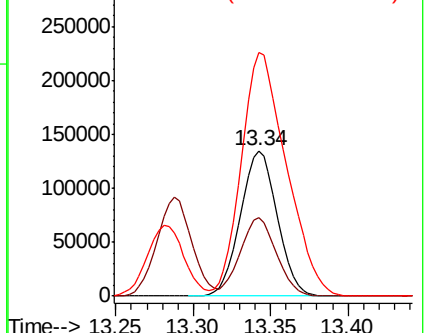
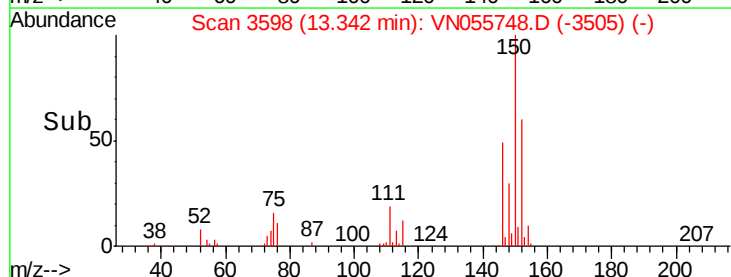
150 205.5 0.0 343.2

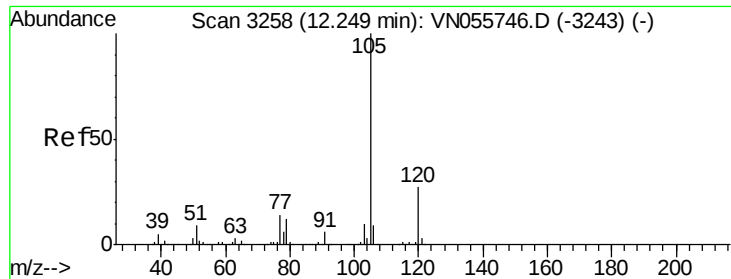


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 125.577 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

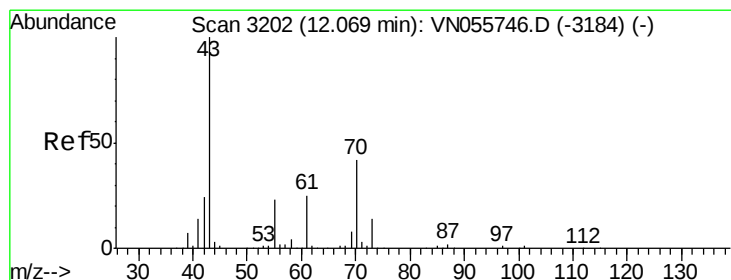
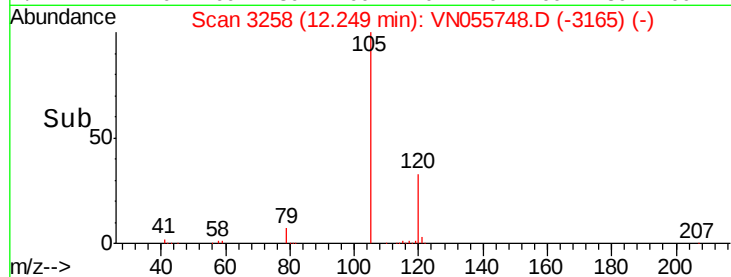
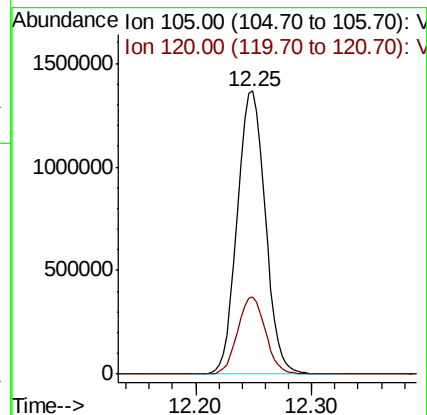
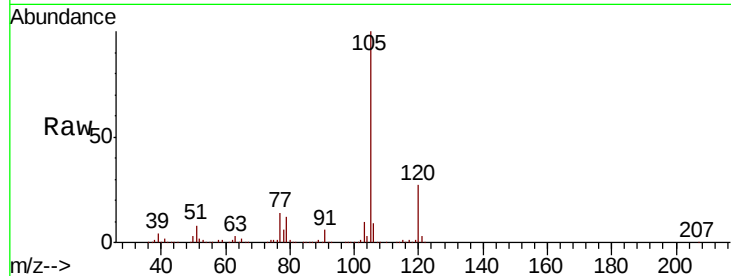
VSTDIC150

Tot Ion:105 Resp: 2285039

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



#74

N-ethyl acetate

Concen: 138.565 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion: 43 Resp: 867895

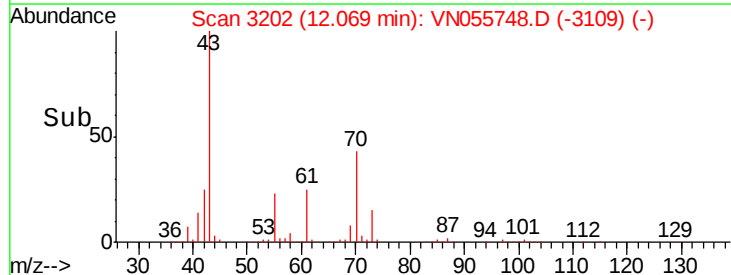
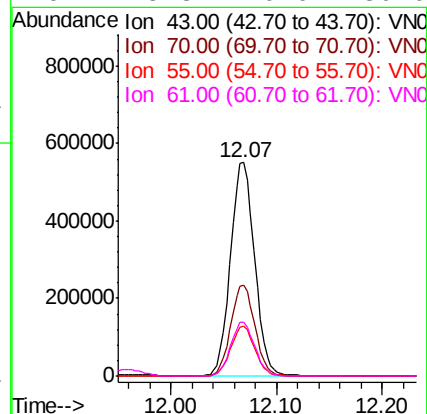
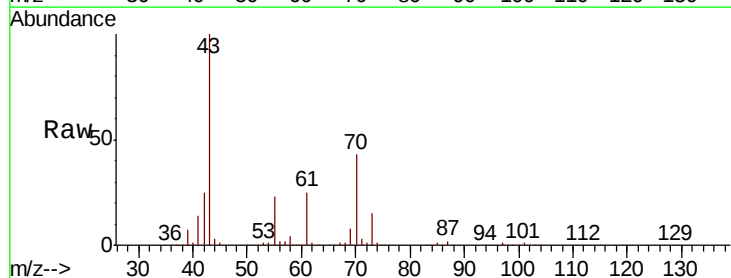
Ion Ratio Lower Upper

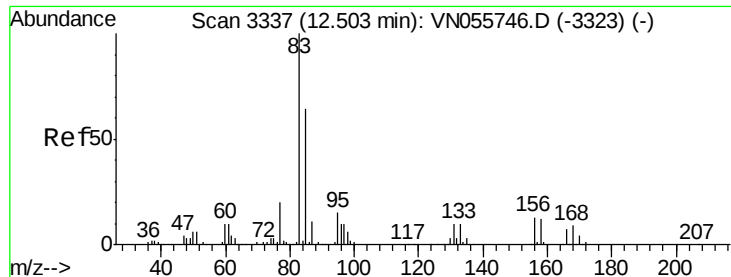
43 100

70 42.8 34.0 51.0

55 23.5 18.6 28.0

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 118.444 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

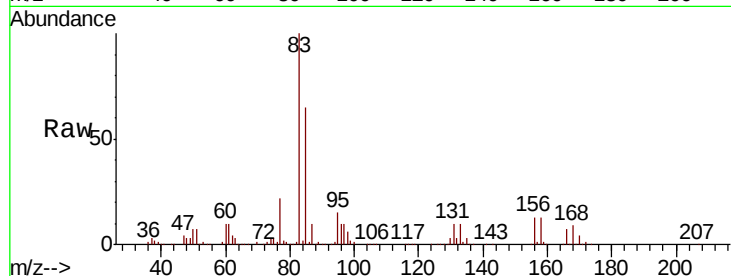
Tot Ion: 83 Resp: 663610

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

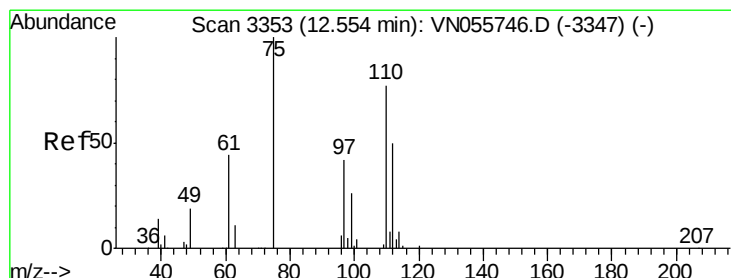
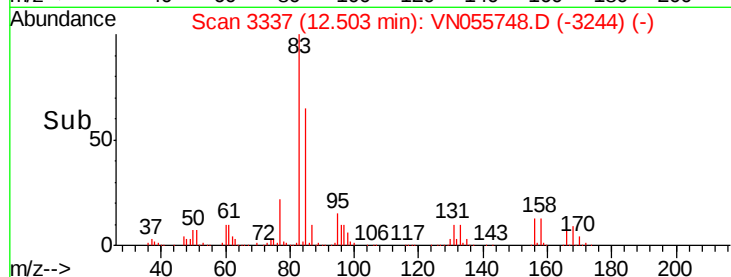
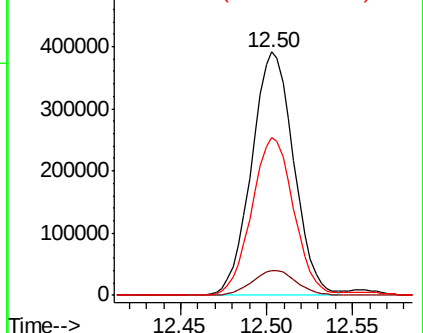
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055748.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055748.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055748.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 186.234 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055748.D

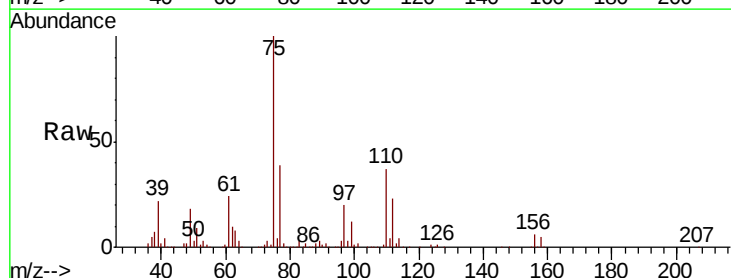
Acq: 23 May 2019 11:25

Tgt Ion: 75 Resp: 854741

Ion Ratio Lower Upper

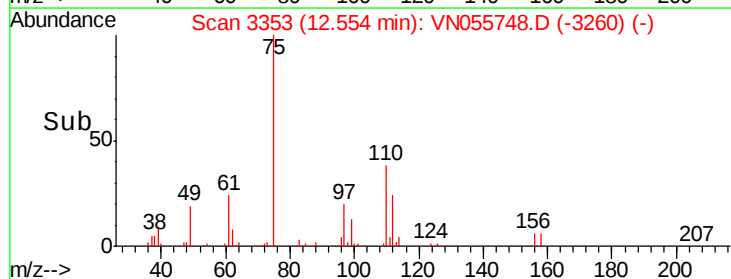
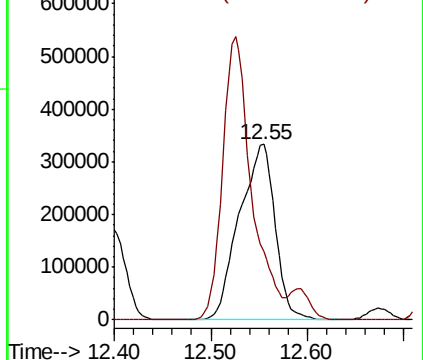
75 100

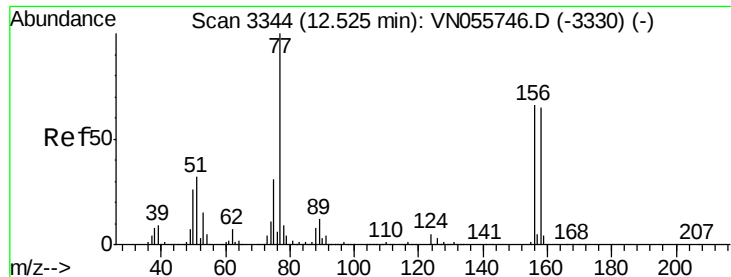
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055748.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055748.D (-3353) (-)





#77

Bromobenzene

Concen: 135.612 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

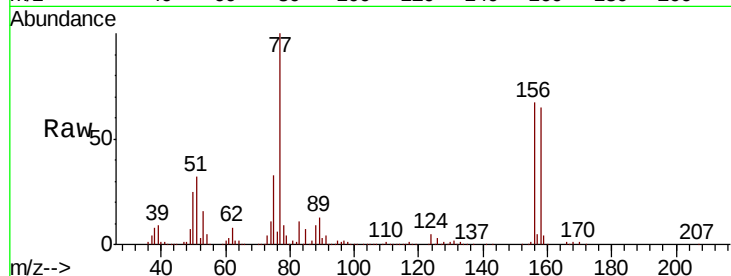
Tot Ion:156 Resp: 624378

Ion Ratio Lower Upper

156 100

77 179.7 90.8 272.5

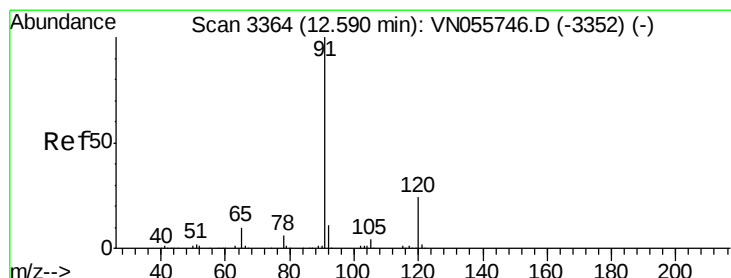
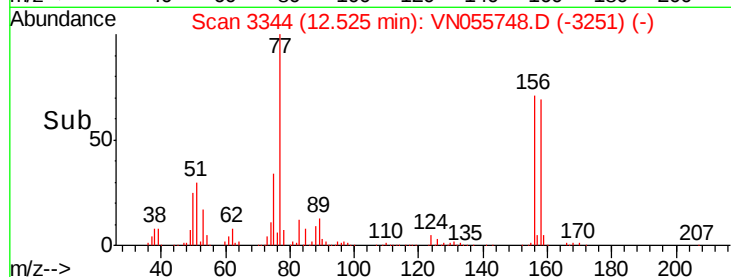
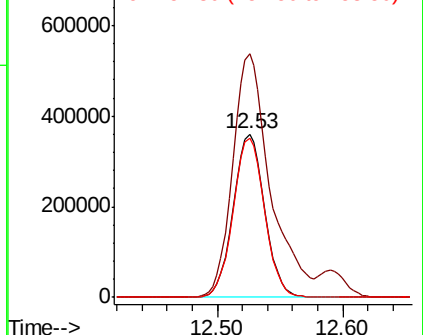
158 98.0 49.3 147.8



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: 129.096 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055748.D

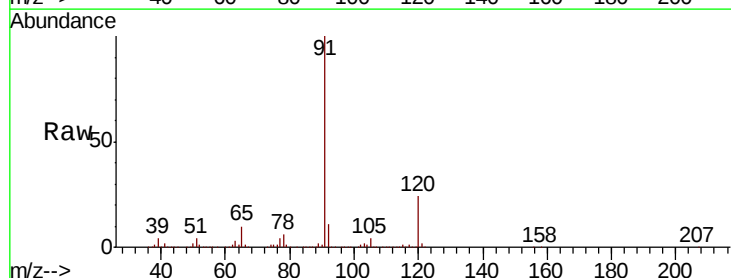
Acq: 23 May 2019 11:25

Tgt Ion: 91 Resp: 2546019

Ion Ratio Lower Upper

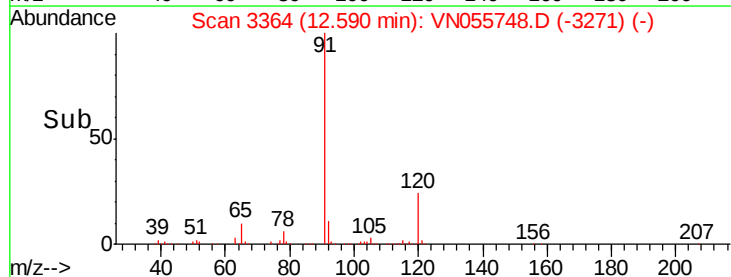
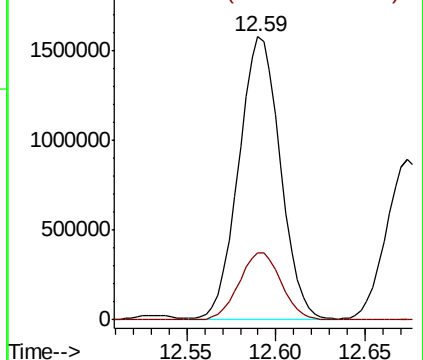
91 100

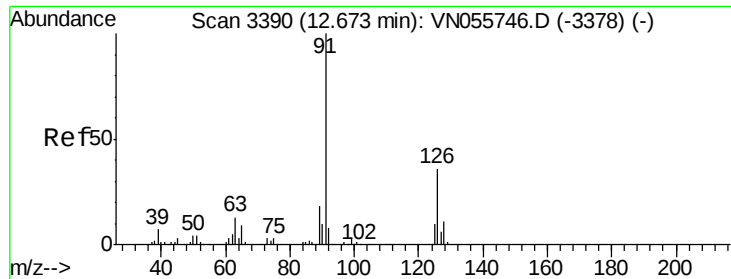
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 124.728 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

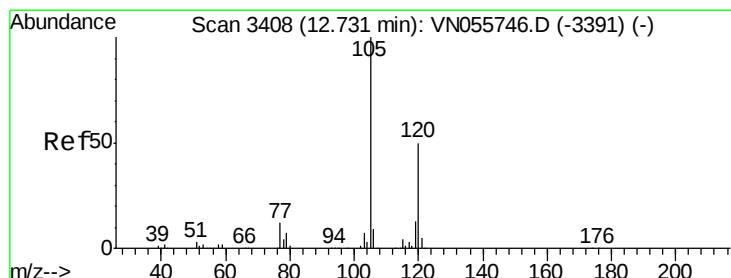
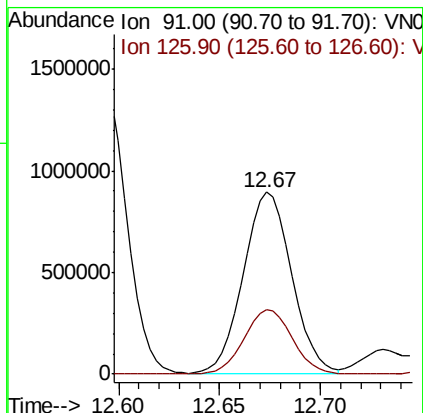
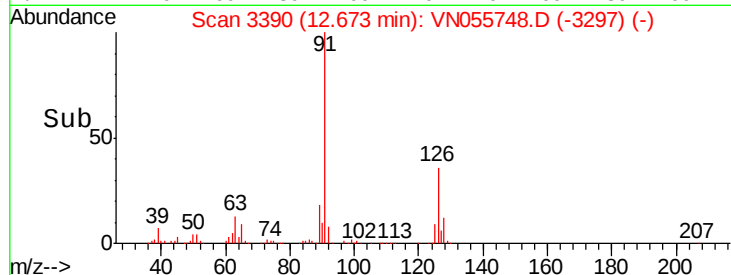
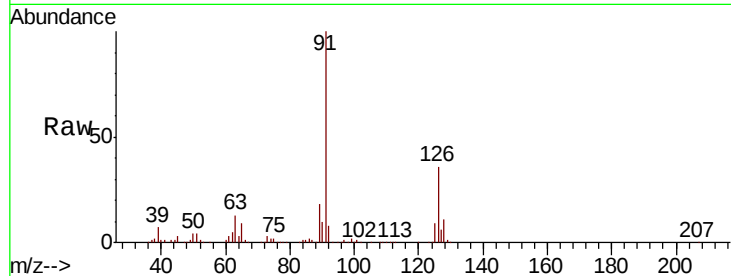
VSTDIC150

Tot Ion: 91 Resp: 1498493

Ion Ratio Lower Upper

91 100

126 35.9 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 125.426 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055748.D

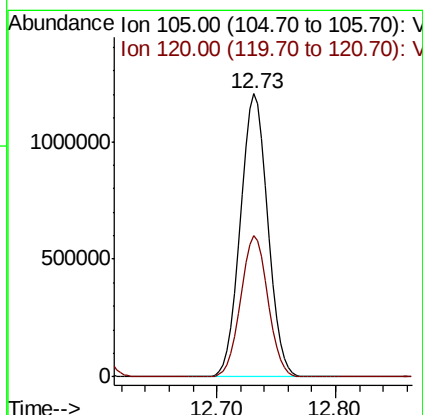
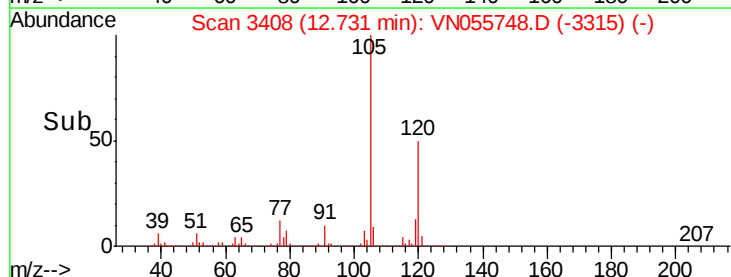
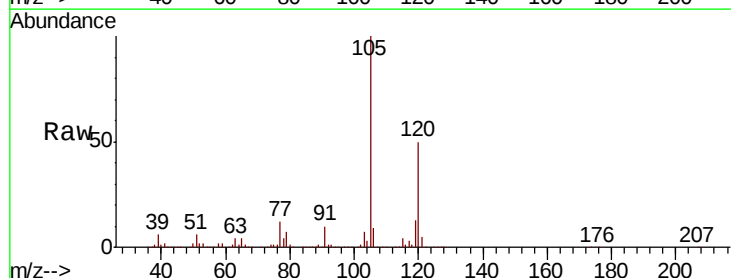
Acq: 23 May 2019 11:25

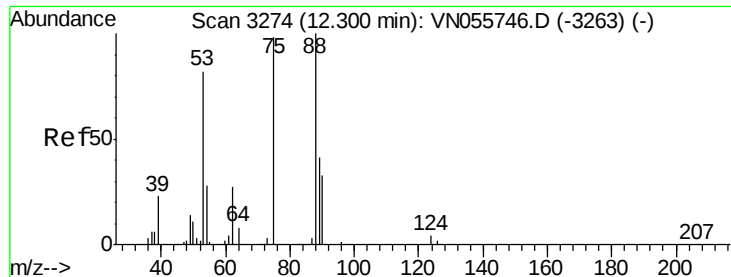
Tgt Ion:105 Resp: 1916821

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 133.251 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

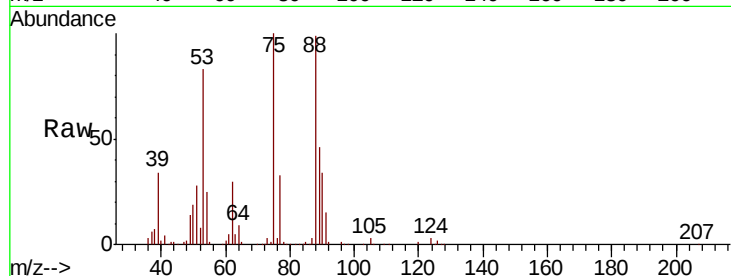
Tot Ion: 75 Resp: 232694

Ion Ratio Lower Upper

75 100

53 83.6 68.1 102.1

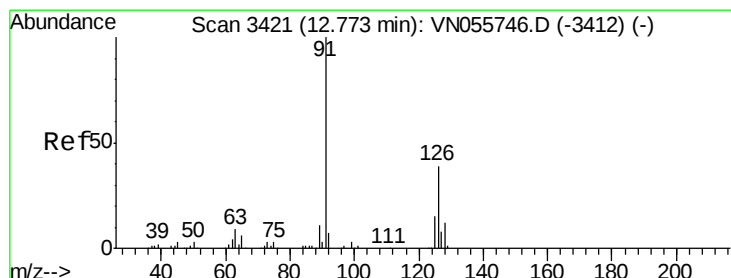
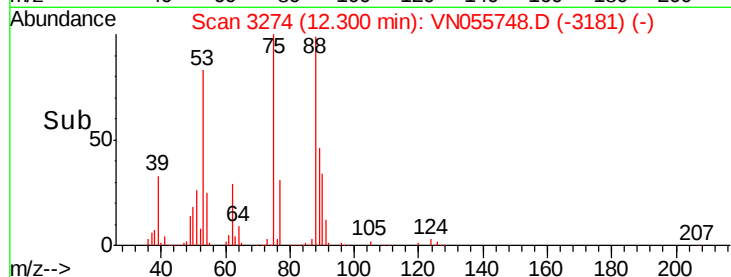
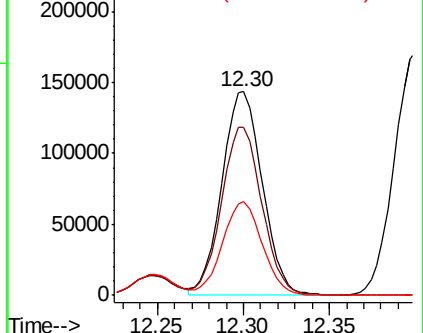
89 46.1 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 131.693 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055748.D

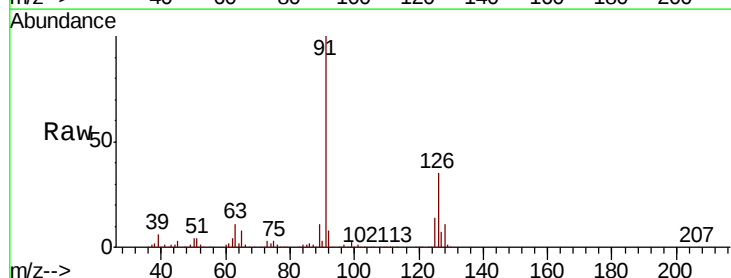
Acq: 23 May 2019 11:25

Tgt Ion: 91 Resp: 1531263

Ion Ratio Lower Upper

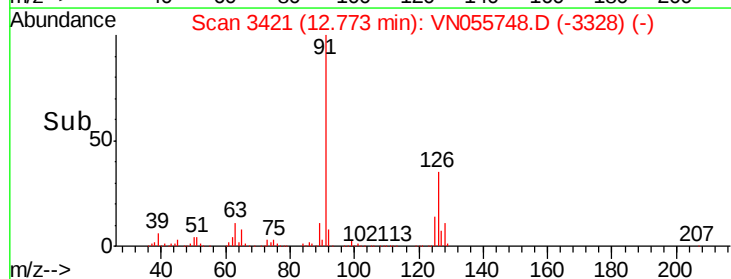
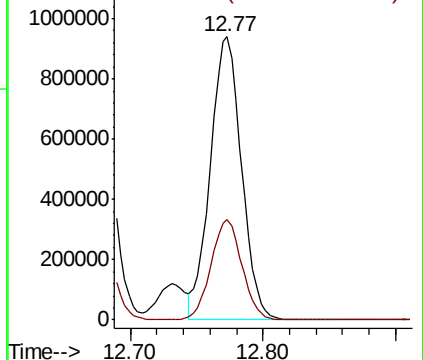
91 100

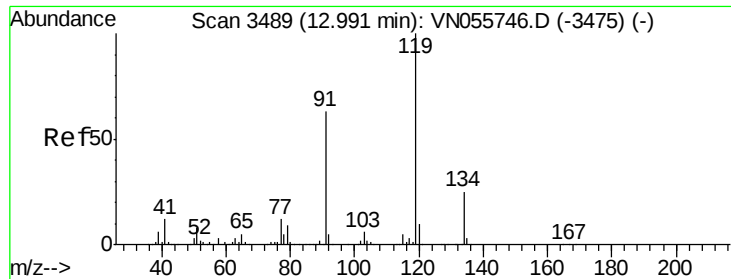
126 35.2 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

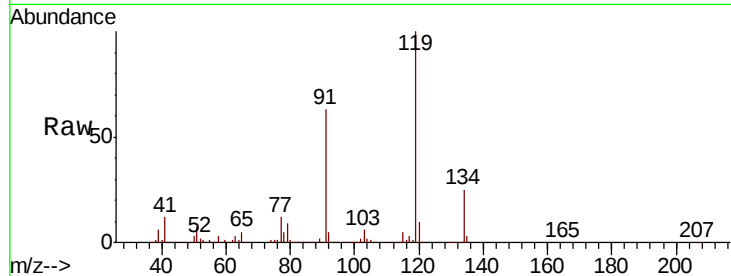




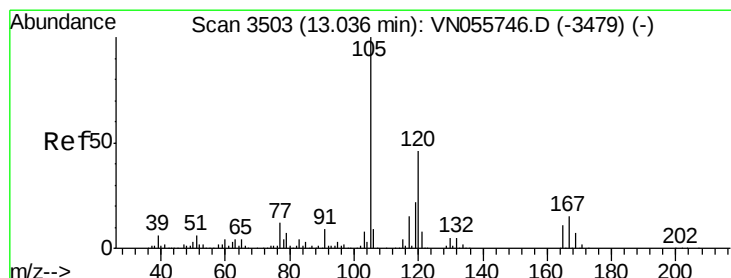
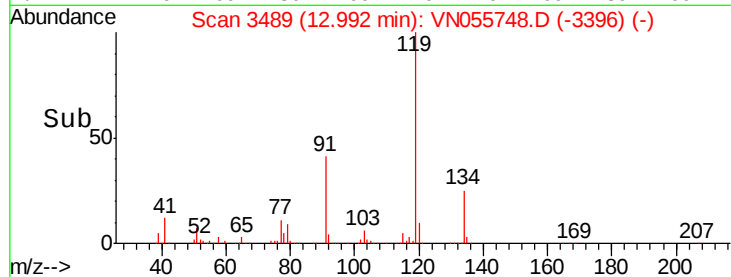
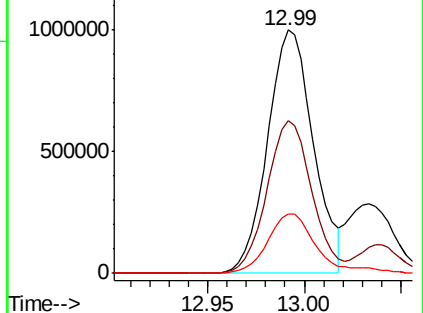
#83
 tert-Butylbenzene
 Concen: 122.667 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1644907
 Ion Ratio Lower Upper
 119 100
 91 61.5 30.9 92.8
 134 26.2 13.3 39.8

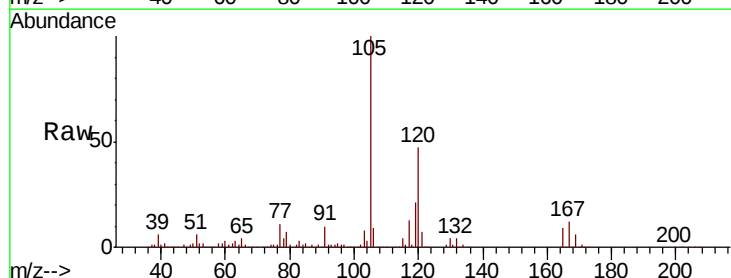


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

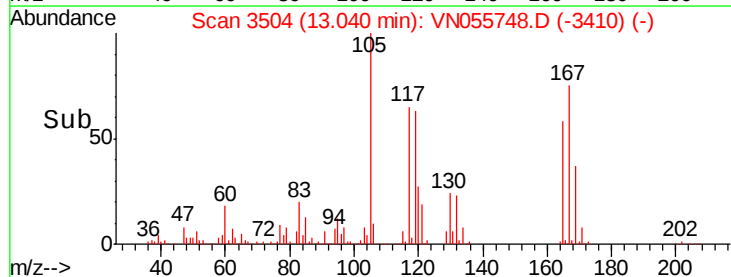
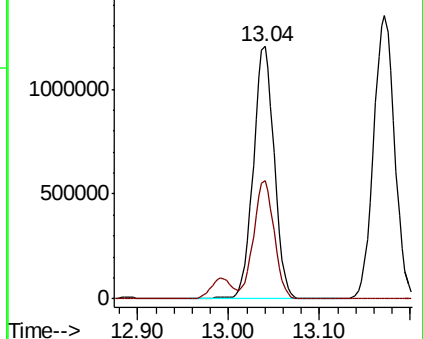


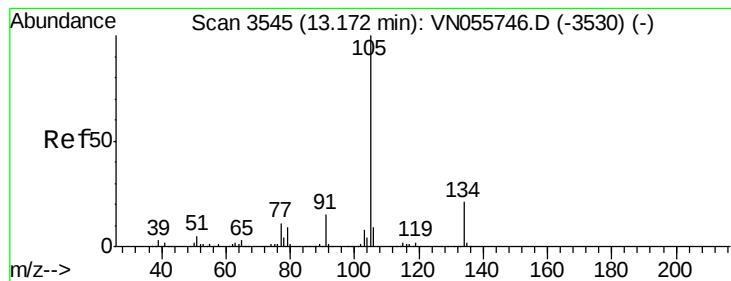
#84
 1,2,4-Trimethylbenzene
 Concen: 127.522 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion:105 Resp: 1919365
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 126.957 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

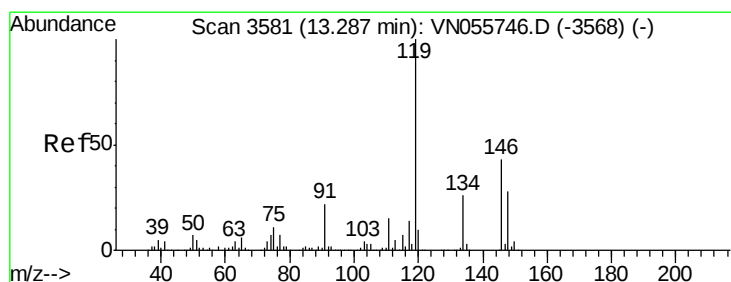
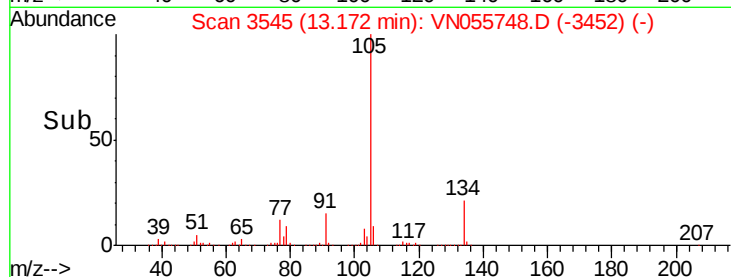
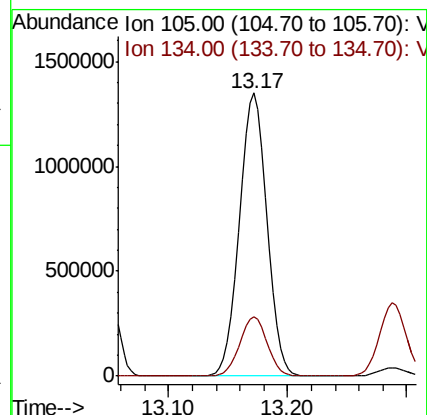
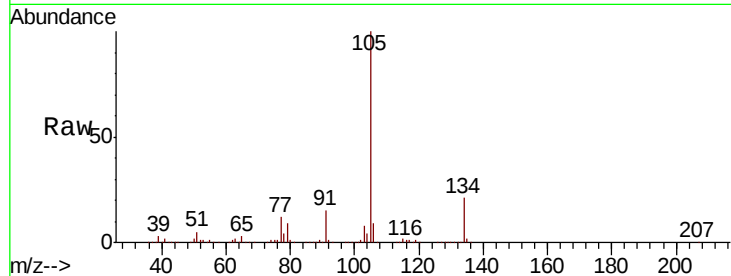
VSTDIC150

Tot Ion:105 Resp: 2161716

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.2



#86

p-Isopropyltoluene

Concen: 129.602 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

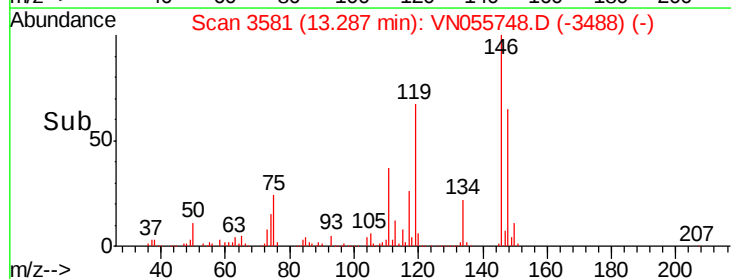
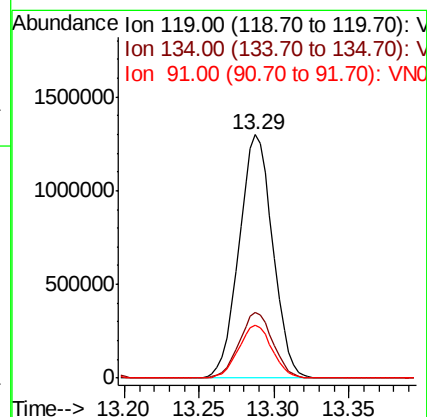
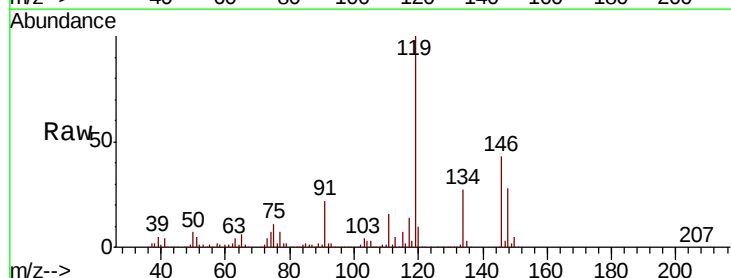
Tgt Ion:119 Resp: 2028334

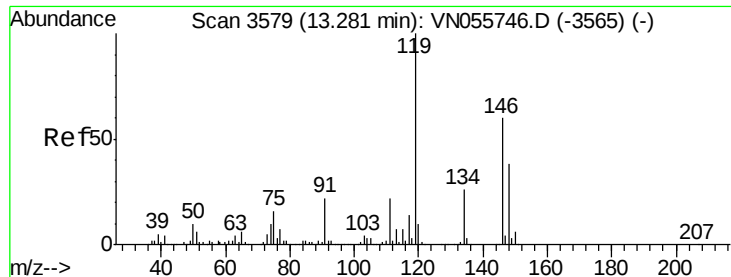
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.8 10.9 32.9

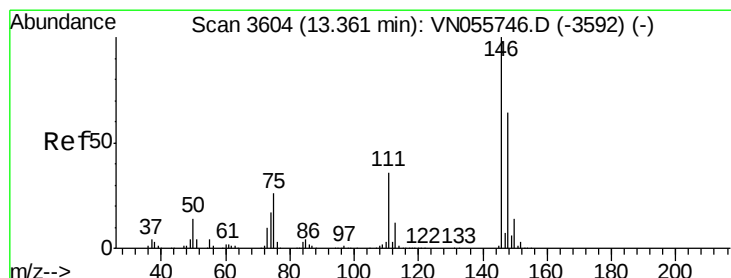
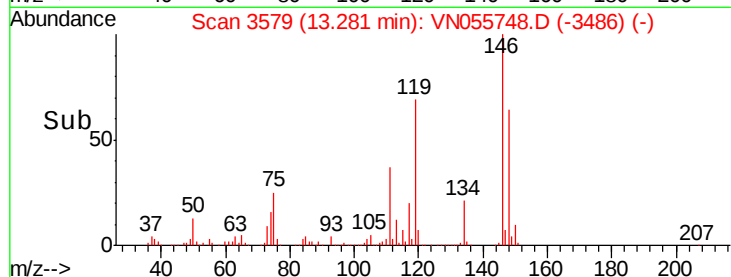
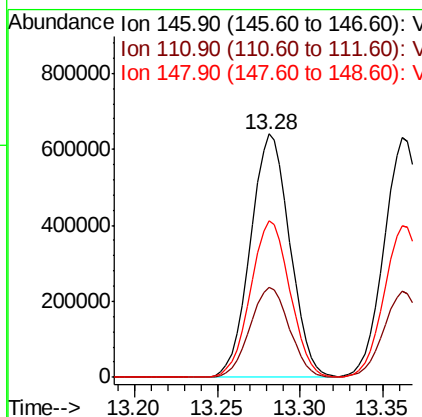
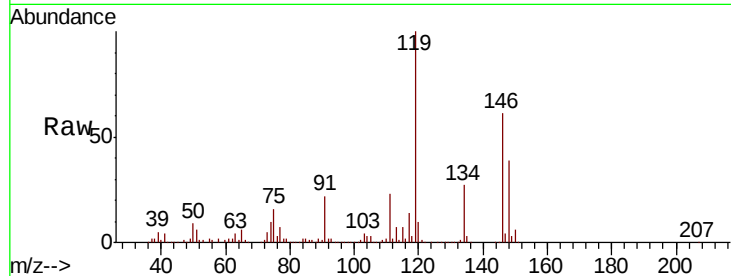




#87
 1,3-Dichlorobenzene
 Concen: 139.766 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

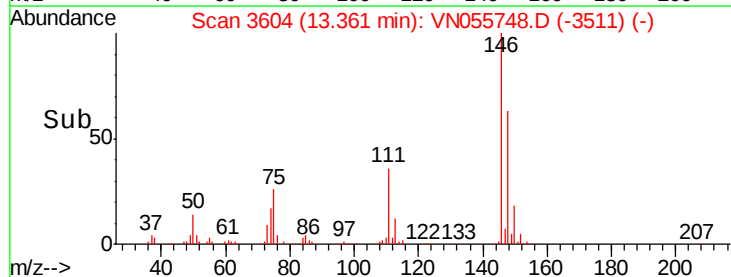
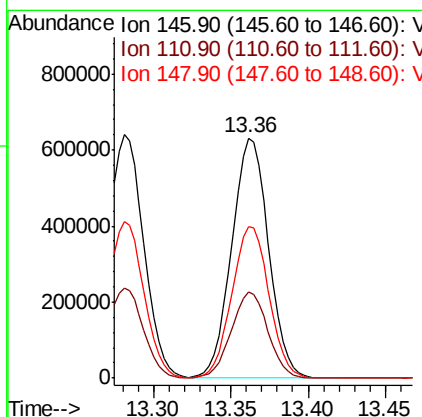
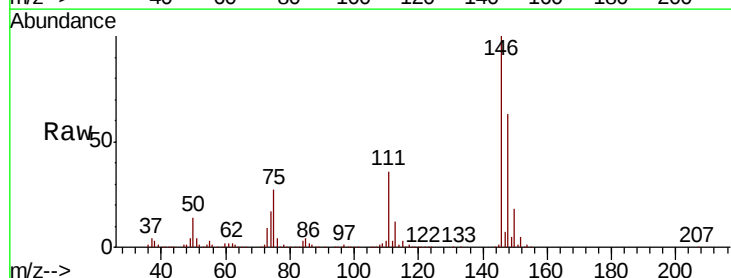
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

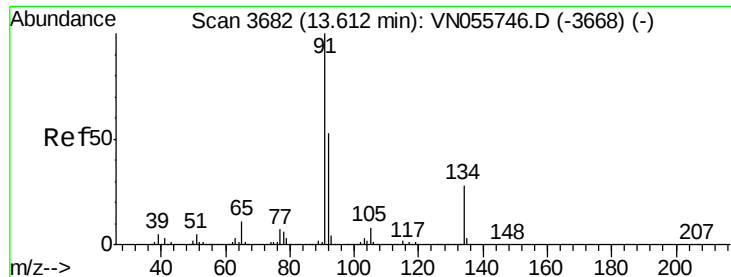
Tot Ion:146 Resp: 1057254
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 64.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 144.525 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion:146 Resp: 1039842
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.1 54.4
 148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 139.062 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

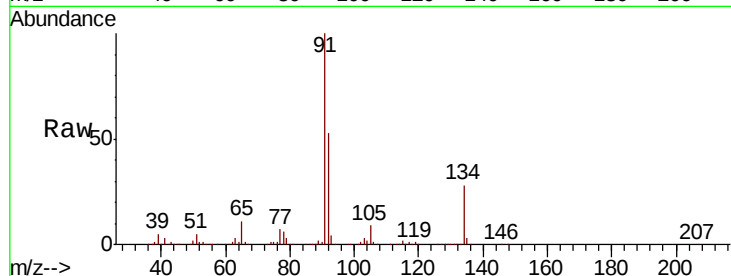
Tot Ion: 91 Resp: 1690749

Ion Ratio Lower Upper

91 100

92 53.0 26.4 79.0

134 27.9 13.9 41.7

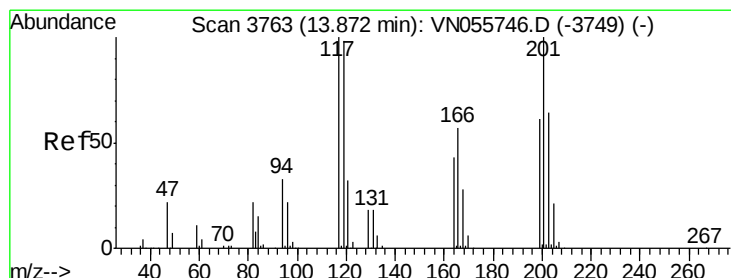
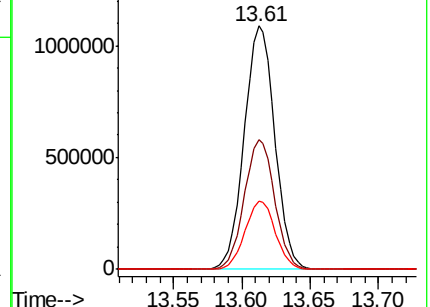
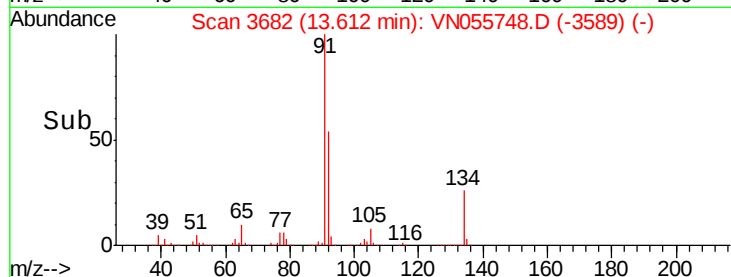


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055746.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055746.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 127.068 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055748.D

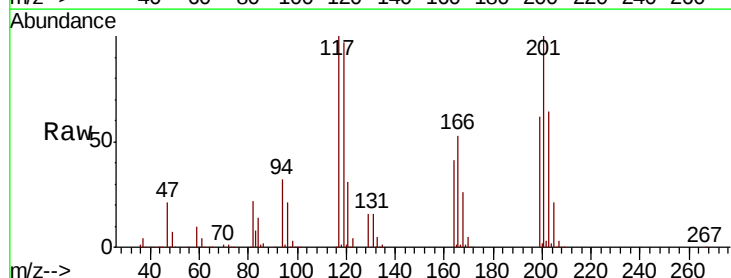
Acq: 23 May 2019 11:25

Tgt Ion: 117 Resp: 379615

Ion Ratio Lower Upper

117 100

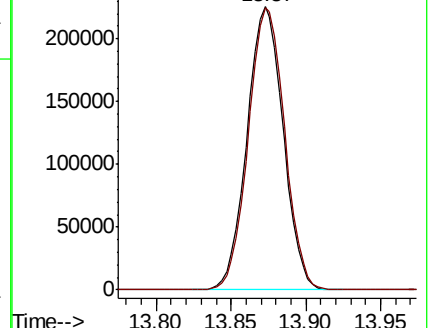
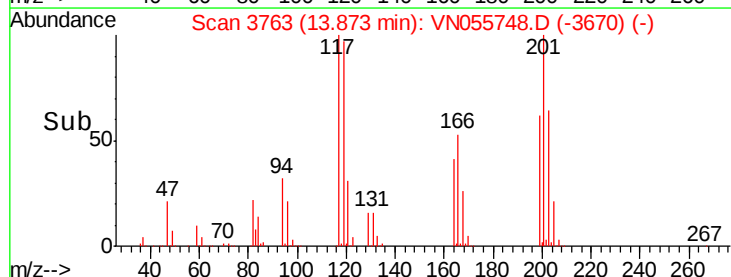
201 100.0 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055746.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 136.528 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

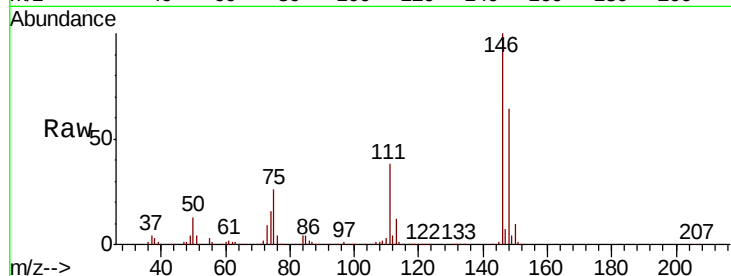
Tot Ion:146 Resp: 1029286

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.5

148 64.2 31.9 95.9

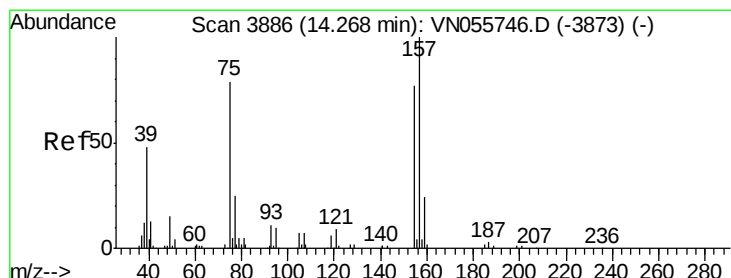
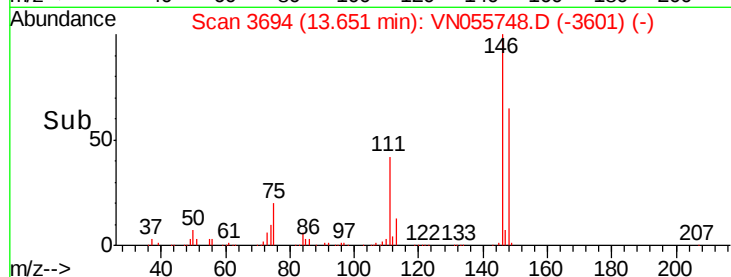
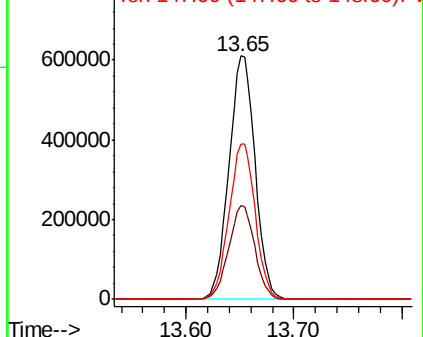


Abundance

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: 137.532 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

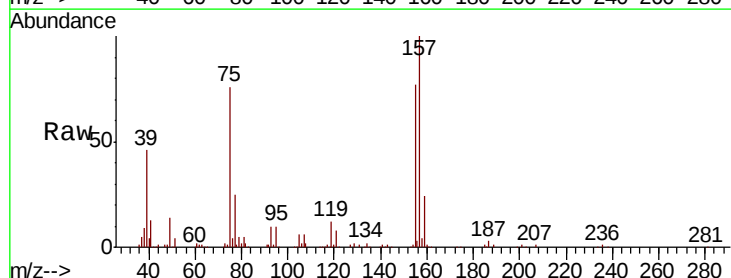
Tgt Ion: 75 Resp: 137096

Ion Ratio Lower Upper

75 100

155 100.8 50.0 150.1

157 131.0 64.8 194.3

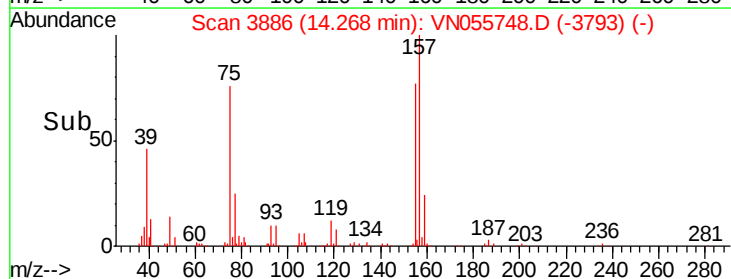
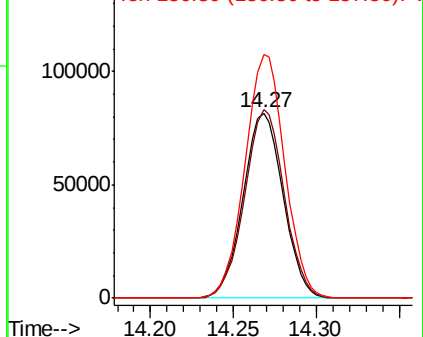


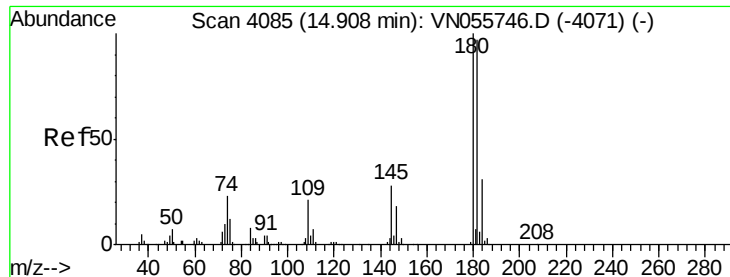
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

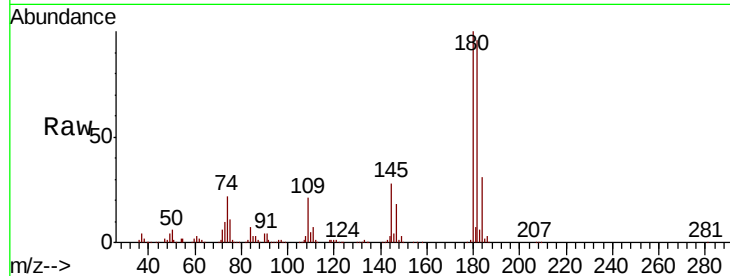




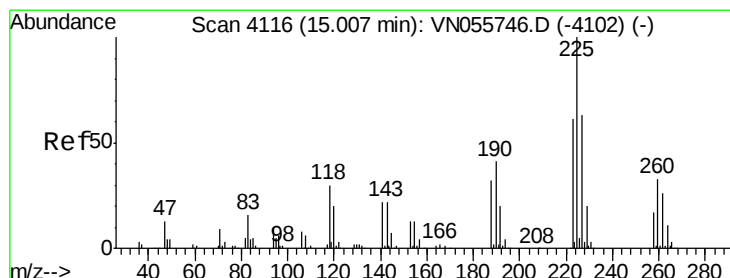
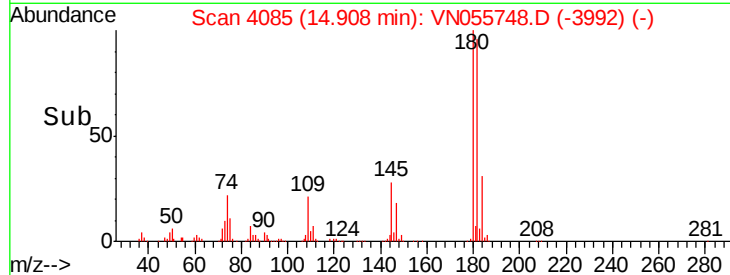
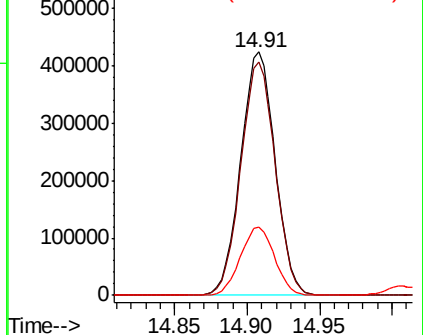
#93
 1,2,4-Trichlorobenzene
 Concen: 184.922 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 699365
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.3 144.9
 145 28.0 14.0 41.9

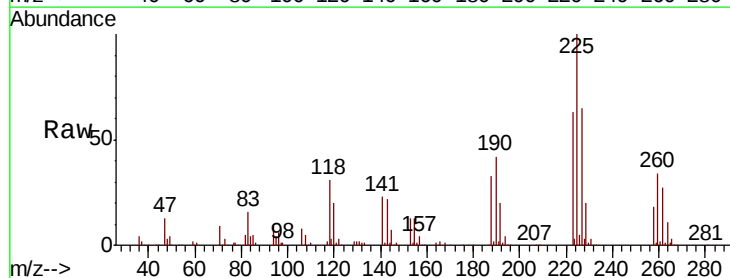


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

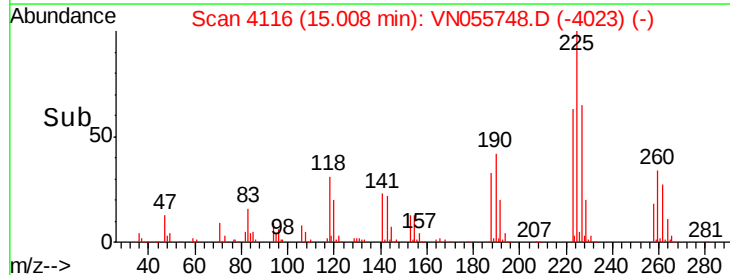
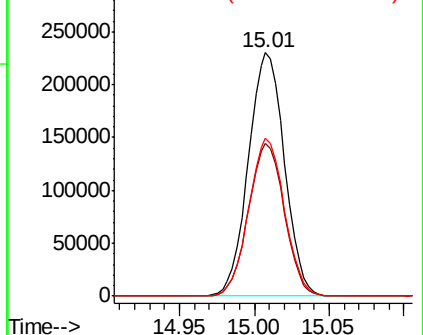


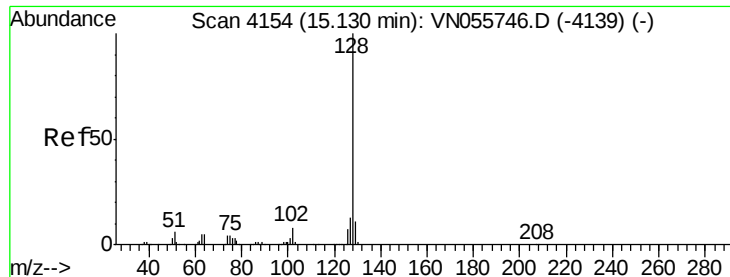
#94
 Hexachlorobutadiene
 Concen: 144.126 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion:225 Resp: 386618
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.7
 227 64.2 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

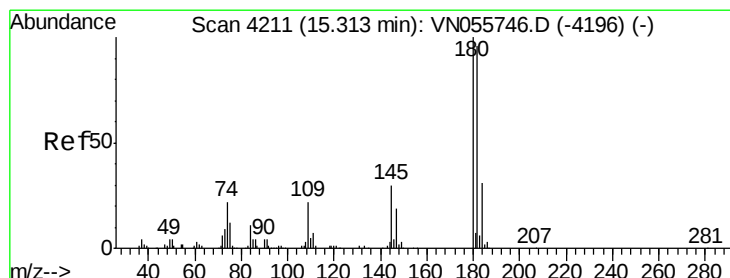
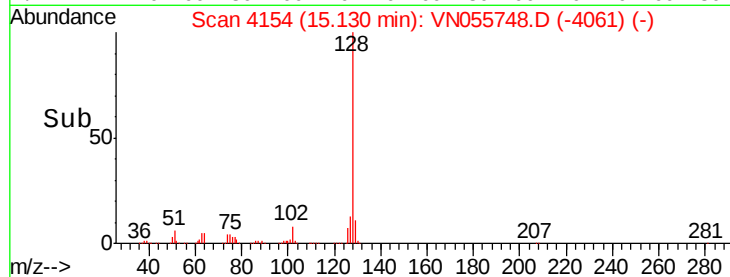
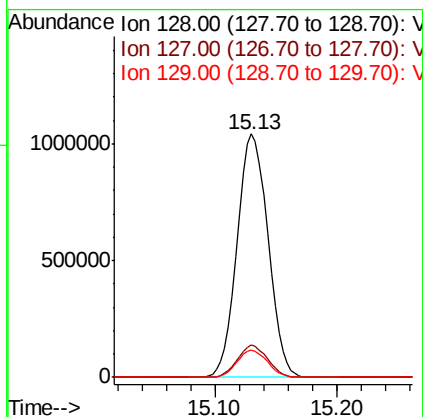
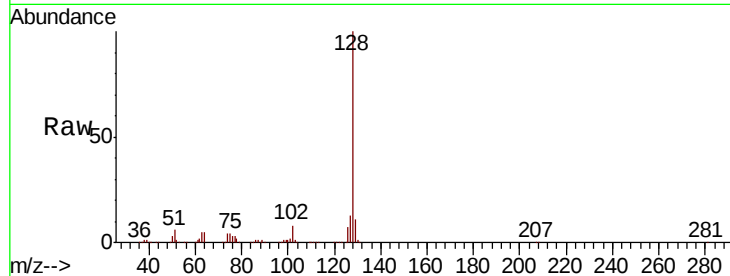




#95
Naphthalene
Concen: 178.396 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:128 Resp: 1825471
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 173.506 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion:180 Resp: 692165
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.7
145 29.6 14.9 44.7

