

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055727.D
 Acq On : 22 May 2019 18:37
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: May 23 05:37:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:31:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55263	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	317119	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	283902	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	110683	26.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	87.60%
60) 4-Bromofluorobenzene	12.40	95	138920	31.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.60%
63) Toluene-d8	10.09	98	378689	28.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	349512	120.557	ug/l 99
3) Chloromethane	2.06	50	508909	124.170	ug/l 99
4) Vinyl Chloride	2.18	62	522265	150.863	ug/l 100
5) Bromomethane	2.52	94	274606	139.198	ug/l 100
6) Chloroethane	2.67	64	294562	150.318	ug/l 96
7) Trichlorofluoromethane	3.00	101	663604	134.571	ug/l 99
8) Diethyl Ether	3.40	74	288743	141.020	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	410853	131.008	ug/l 99
10) 1,1-Dichloroethene	3.72	96	433599	145.048	ug/l 99
11) Methyl Iodide	3.94	142	681731	147.651	ug/l 99
12) Methyl Acetate	4.32	43	507234	121.446	ug/l 99
13) Acrolein	3.60	56	365454	1443.978	ug/l 100
14) Acrylonitrile	4.99	53	1242212	796.641	ug/l 100
15) Acetone	3.82	58	354246	884.691	ug/l 97
16) Carbon Disulfide	4.04	76	1277365	154.284	ug/l 99
17) Allyl chloride	4.31	41	793983	126.392	ug/l 98
18) Methylene Chloride	4.54	84	501632	137.822	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	473293	145.732	ug/l 99
20) Diisopropyl ether	5.96	45	1551825	124.058	ug/l 93
21) 1,1-Dichloroethane	5.84	63	865493	130.715	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	557689	147.309	ug/l 98
23) tert-Butyl Alcohol	4.82	59	530121	1222.870	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1485551	150.948	ug/l 99
25) Chloroform	7.37	83	840749	133.956	ug/l 99
26) Cyclohexane	7.65	56	790252	135.075	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	650281	132.251	ug/l 99
30) 2-Butanone	6.84	43	1715290	816.675	ug/l 100
31) 2,2-Dichloropropane	6.82	77	718024	147.577	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	750824	135.776	ug/l 100
33) Carbon Tetrachloride	7.77	117	667141	141.798	ug/l 99
34) Benzene	8.04	78	1982246	134.086	ug/l # 91
35) Methacrylonitrile	7.18	41	328383	146.257	ug/l 97
36) 1,2-Dichloroethane	8.12	62	643487	124.165	ug/l 100
37) Trichloroethene	8.83	130	556706	146.233	ug/l 99
38) Methylcyclohexane	9.08	83	814866	150.007	ug/l 99
39) 1,2-Dichloropropane	9.12	63	531740	127.405	ug/l 99
40) Dibromomethane	9.21	93	343828	140.136	ug/l 96

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 VSTDICC150

Quant Time: May 23 05:37:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	695556	137.428	ug/l	99
42) Vinyl Acetate	5.89	43	6688735	688.959	ug/l	100
43) Ethyl Acetate	6.93	43	670177	154.687	ug/l #	100
44) Isopropyl Acetate	8.17	43	1139783	147.763	ug/l #	88
45) 1,4-Dioxane	9.20	88	212132	4590.760	ug/l	100
46) Methyl methacrylate	9.20	41	542455	148.991	ug/l	100
47) n-amyl Acetate	12.07	43	957719	165.873	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	812294	158.857	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	870428	148.777	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	499056	146.541	ug/l	99
51) Ethyl methacrylate	10.43	69	829136	170.105	ug/l	100
52) 1,3-Dichloropropane	10.71	76	834778	139.636	ug/l	99
53) Dibromochloromethane	10.90	129	604494	165.927	ug/l	98
54) 1,2-Dibromoethane	11.00	107	526824	156.256	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	1708315	1092.679	ug/l	99
56) Bromoform	12.13	173	497176	196.566	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	3318678	736.719	ug/l	99
59) 2-Hexanone	10.75	43	2405367	815.163	ug/l	100
61) Tetrachloroethene	10.63	164	544226	146.952	ug/l	98
62) Toluene	10.16	91	2183046	136.942	ug/l	99
64) Chlorobenzene	11.43	112	1352700	142.509	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	527480	146.148	ug/l	99
66) Ethyl Benzene	11.51	91	2400987	140.408	ug/l	100
67) m/p-Xylenes	11.62	106	1833313	291.932	ug/l	100
68) o-Xylene	11.95	106	894347	143.330	ug/l	99
69) Styrene	11.96	104	1555867	157.944	ug/l	99
70) Isopropylbenzene	12.25	105	2384042	145.192	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	719823	154.319	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	929309	228.016	ug/l	68
73) Bromobenzene	12.53	156	659076	164.664	ug/l	100
74) n-propylbenzene	12.59	91	2715751	149.124	ug/l	100
75) 2-Chlorotoluene	12.67	91	1602532	143.365	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1968640	145.316	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	261370	218.026	ug/l	99
78) 4-Chlorotoluene	12.77	91	1581029	149.196	ug/l	99
79) tert-butylbenzene	12.99	119	1673215	142.787	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1957315	149.693	ug/l	99
81) sec-Butylbenzene	13.17	105	2210792	144.111	ug/l	100
82) p-Isopropyltoluene	13.29	119	2075494	159.344	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1085356	167.938	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1072113	175.869	ug/l	99
85) n-Butylbenzene	13.61	91	1750910	174.617	ug/l	100
86) Hexachloroethane	13.87	117	392311	169.264	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1056820	163.294	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	146170	199.101	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	714562	260.253	ug/l	99
90) Hexachlorobutadiene	15.01	225	404085	178.324	ug/l	98
91) Naphthalene	15.13	128	1886437	281.016	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	703359	243.455	ug/l	98

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Quant Time: May 23 05:37:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:31:08 2019
Response via : Initial Calibration

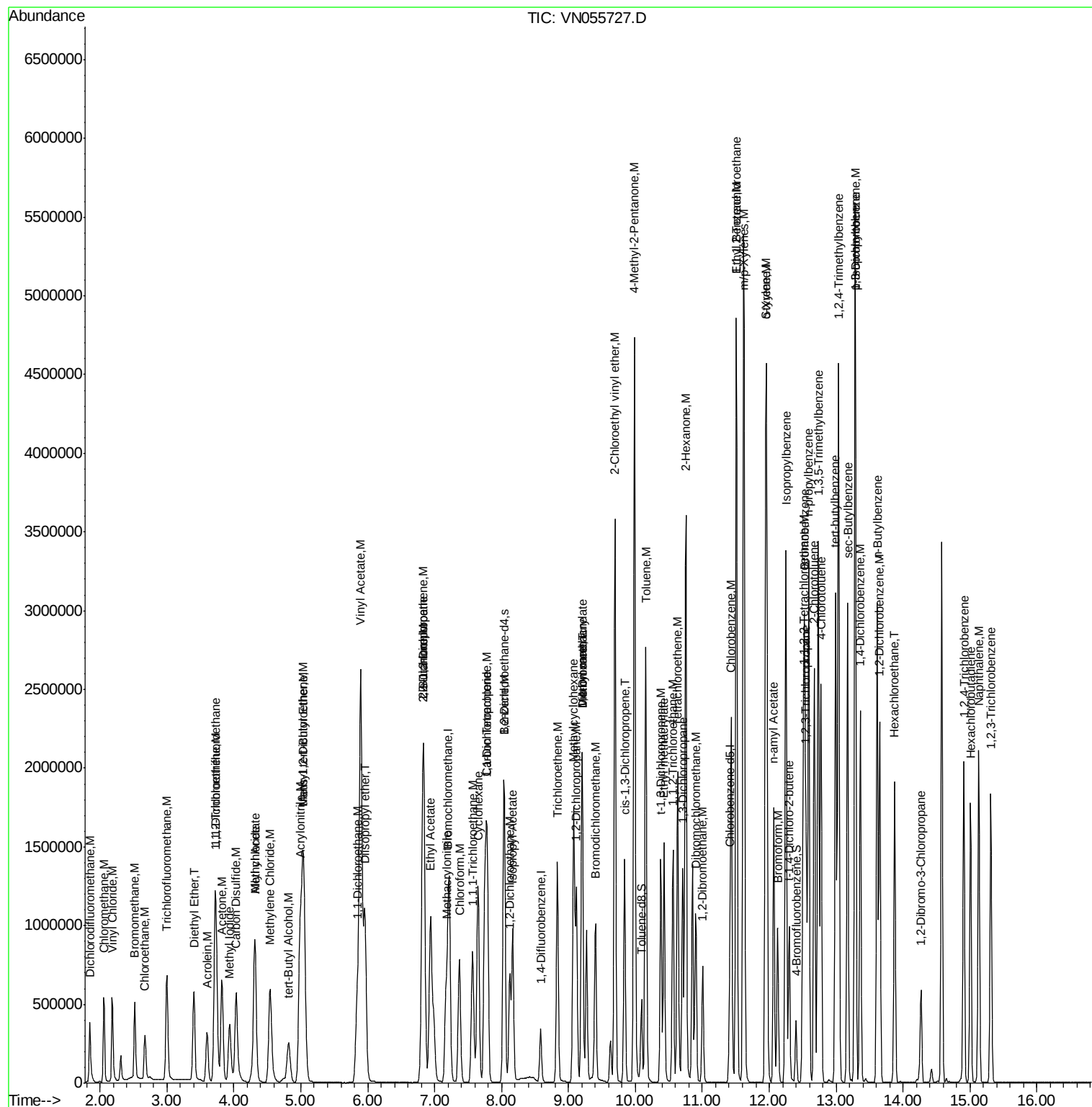
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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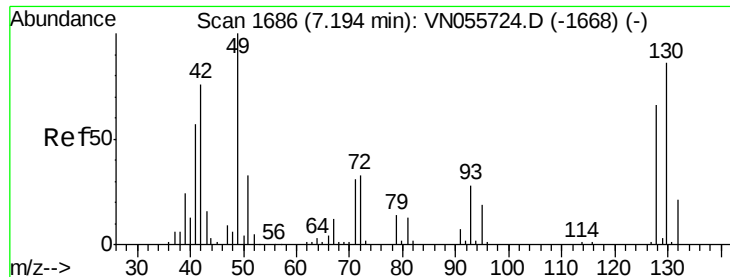
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055727.D
Acq On : 22 May 2019 18:37
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VSTDIC150

Quant Time: May 23 05:37:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:31:08 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

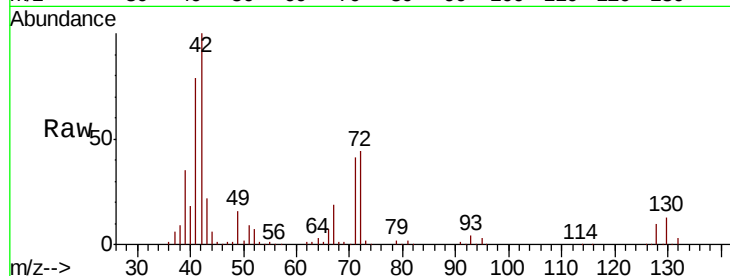
Tot Ion:128 Resp: 55263

Ion Ratio Lower Upper

128 100

49 163.3 0.0 383.2

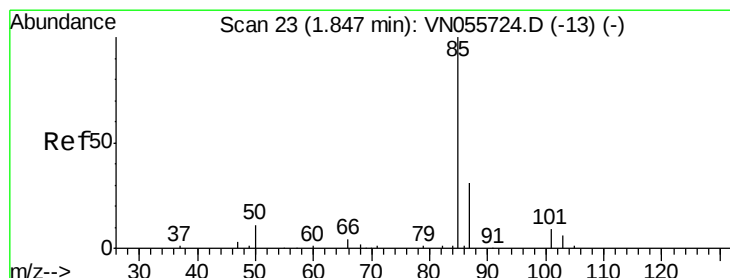
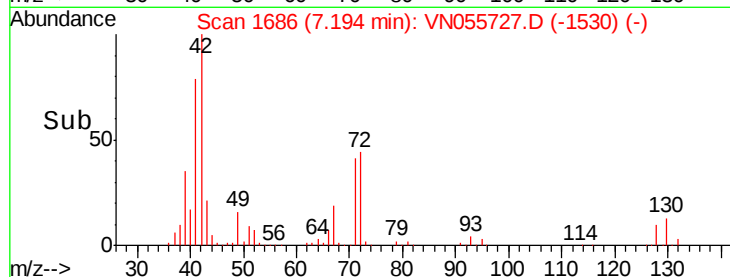
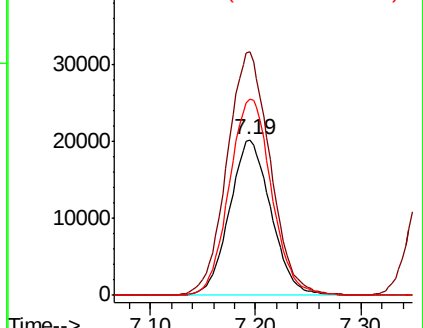
130 128.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 120.557 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055727.D

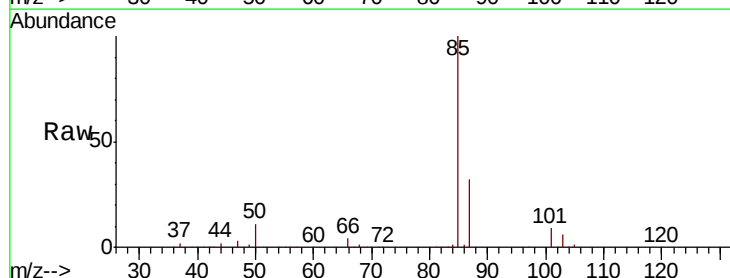
Acq: 22 May 2019 18:37

Tgt Ion: 85 Resp: 349512

Ion Ratio Lower Upper

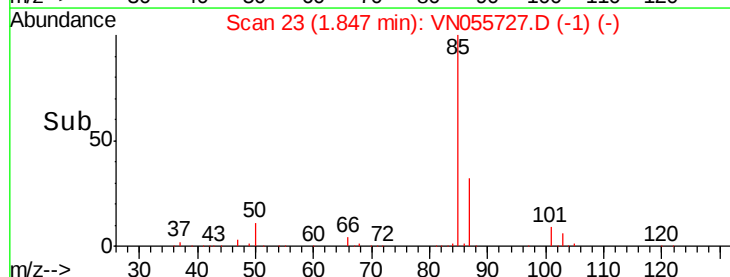
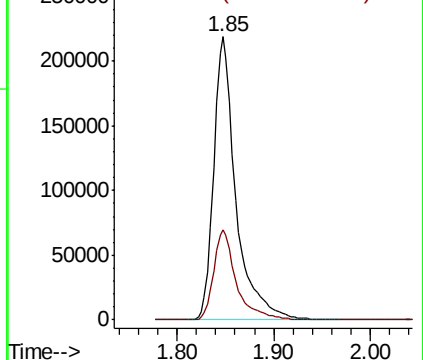
85 100

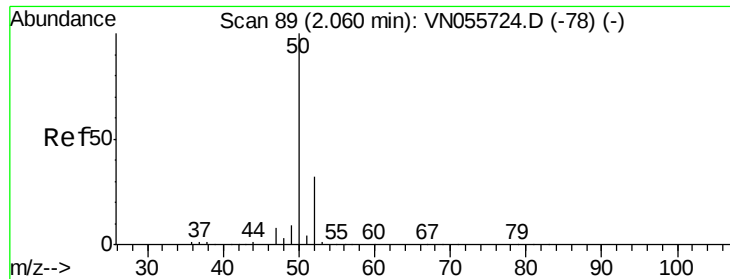
87 31.9 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 124.170 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

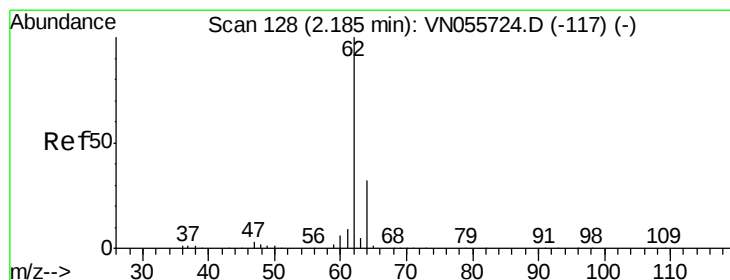
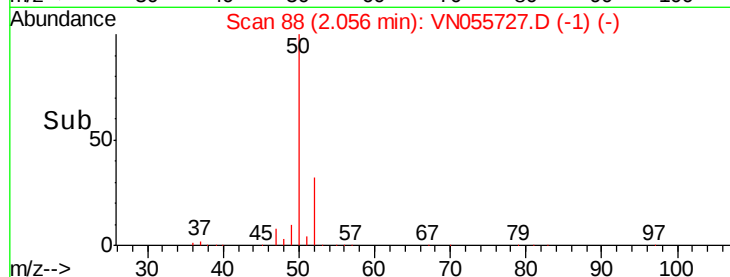
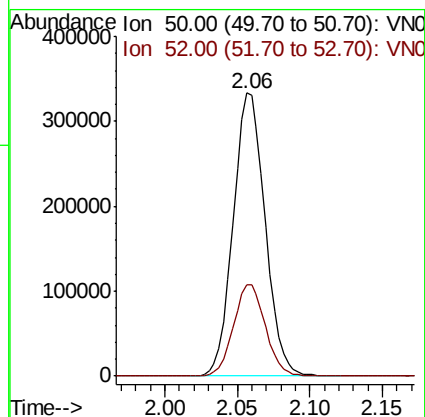
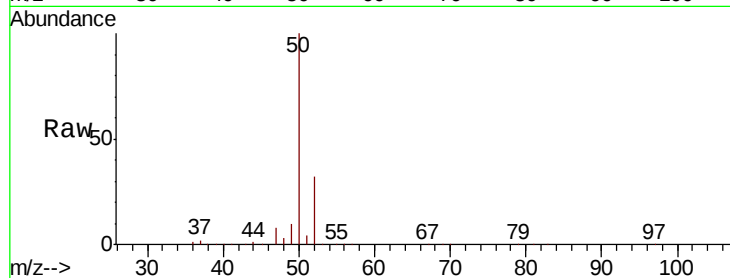
VSTDIC150

Tot Ion: 50 Resp: 508909

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.2



#4

Vinyl Chloride

Concen: 150.863 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055727.D

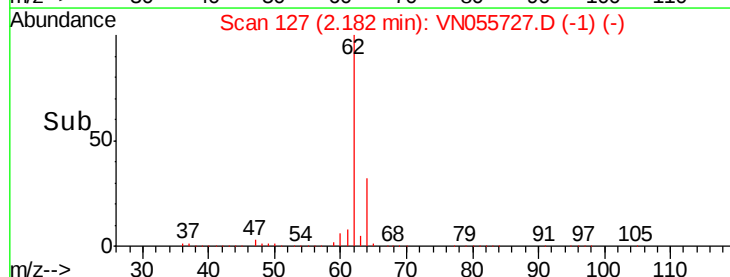
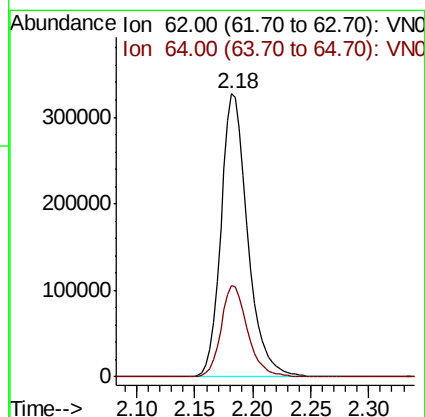
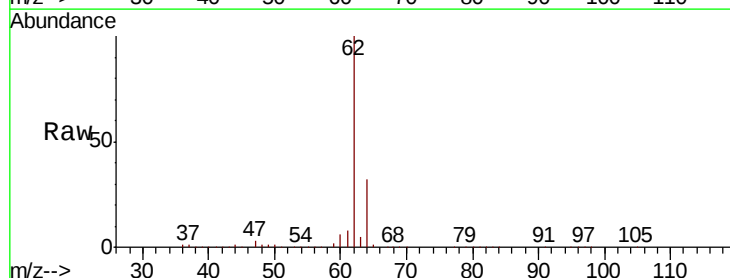
Acq: 22 May 2019 18:37

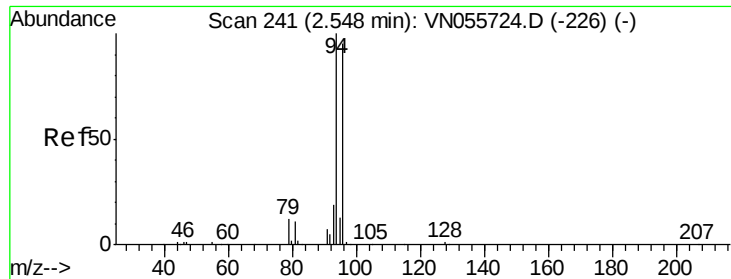
Tgt Ion: 62 Resp: 522265

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 139.198 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.03 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

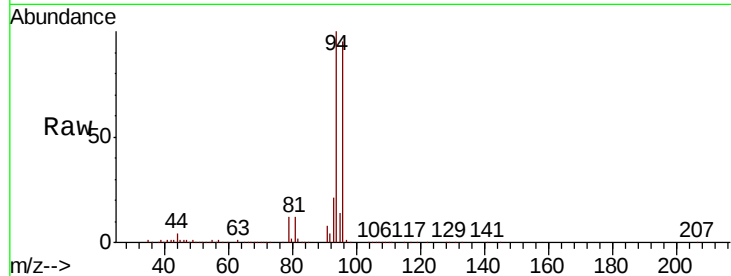
VSTDIC150

Tot Ion: 94 Resp: 274606

Ion Ratio Lower Upper

94 100

96 95.0 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

200000

150000

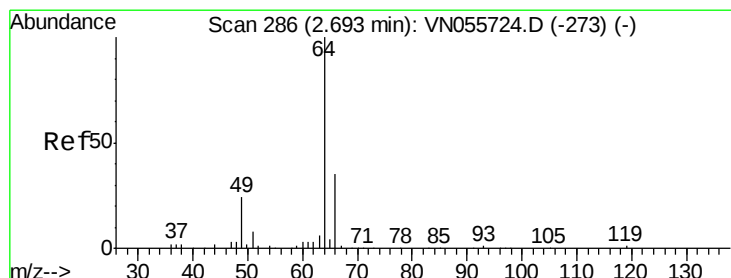
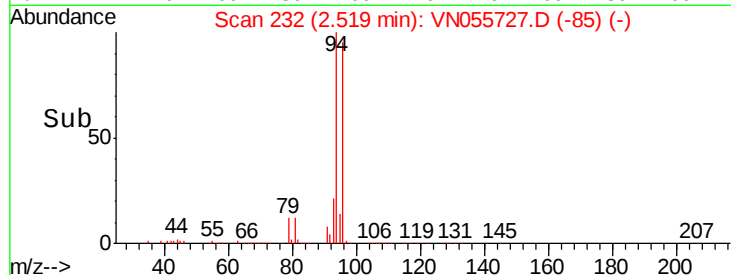
100000

50000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 150.318 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.02 min

Lab File: VN055727.D

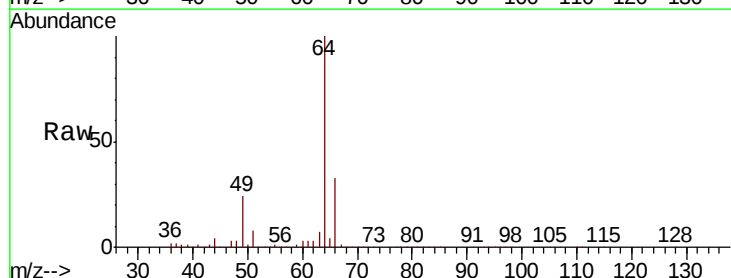
Acq: 22 May 2019 18:37

Tgt Ion: 64 Resp: 294562

Ion Ratio Lower Upper

64 100

66 32.4 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

150000

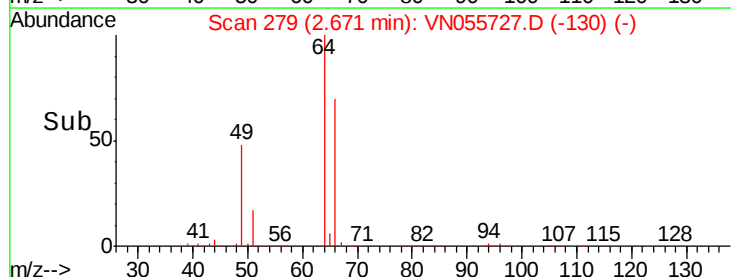
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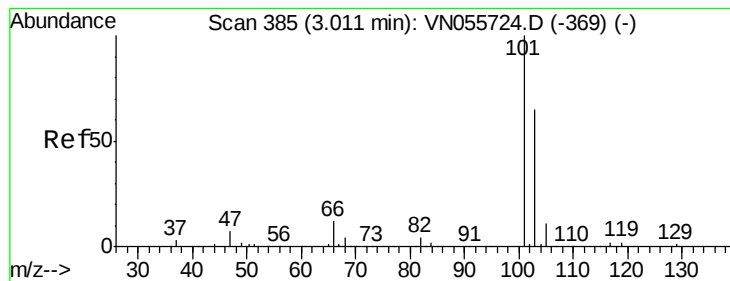
50000

0

2.60 2.65 2.70 2.75

Time-->



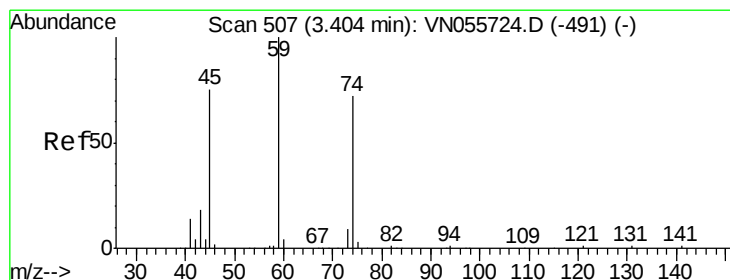
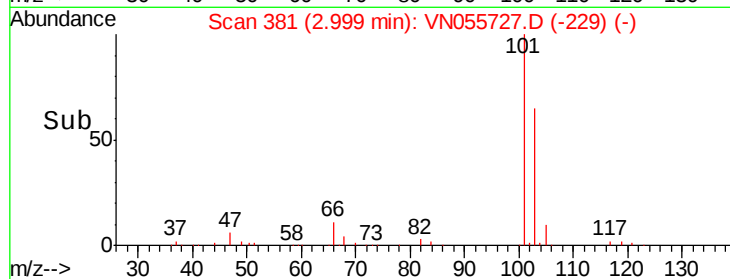
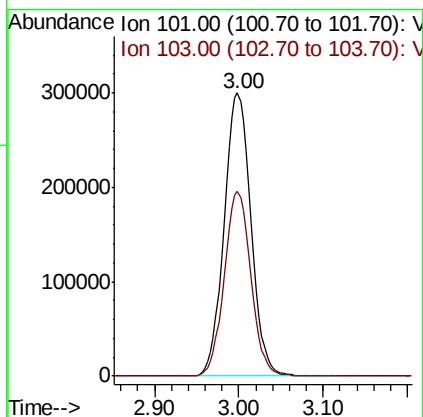
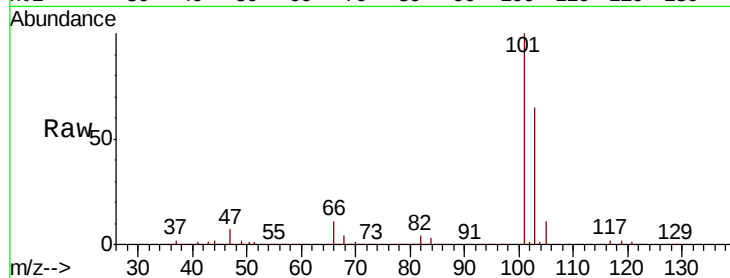


#7

Trichlorofluoromethane
 Concen: 134.571 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

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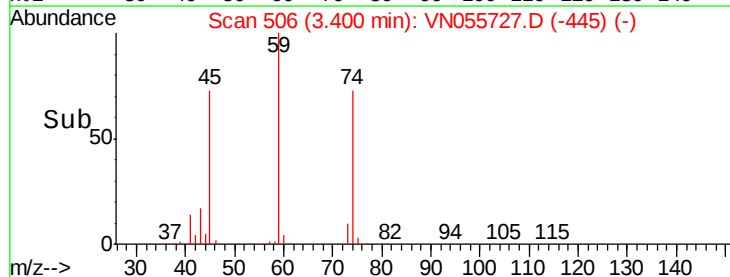
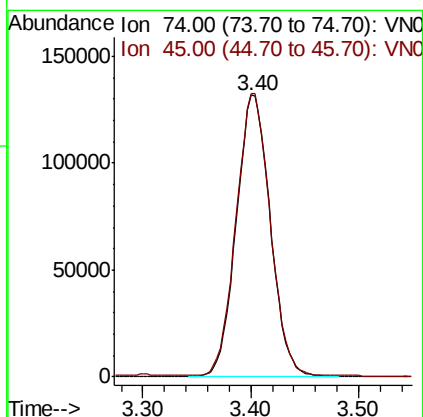
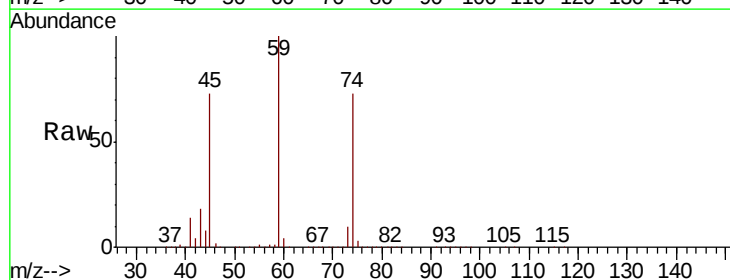
Tot Ion:101 Resp: 663604
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8

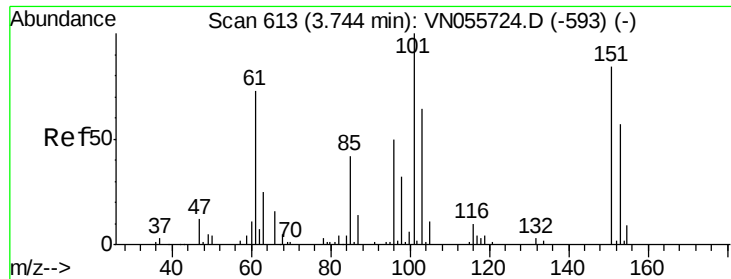


#8

Diethyl Ether
 Concen: 141.020 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion: 74 Resp: 288743
 Ion Ratio Lower Upper
 74 100
 45 99.9 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.008 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

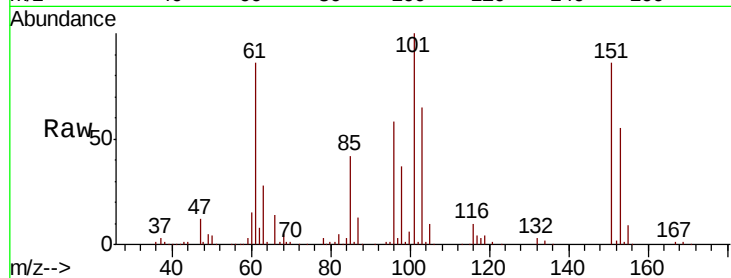
Tot Ion:101 Resp: 410853

Ion Ratio Lower Upper

101 100

85 42.0 0.0 86.6

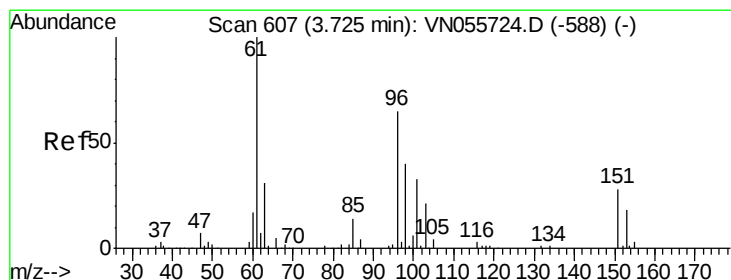
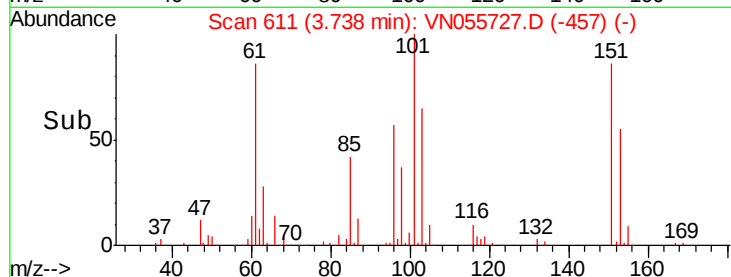
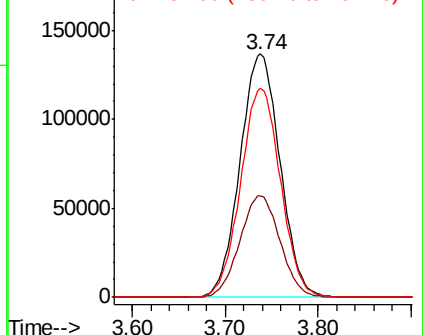
151 85.6 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 145.048 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.01 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

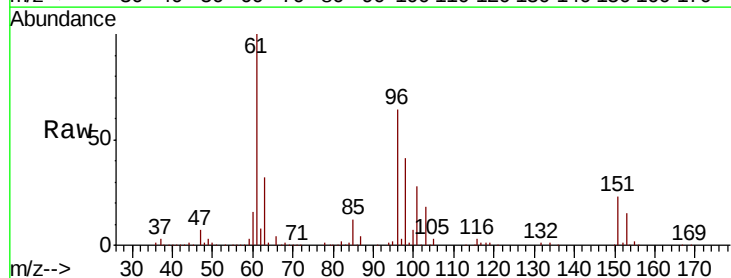
Tgt Ion: 96 Resp: 433599

Ion Ratio Lower Upper

96 100

61 155.5 123.7 185.5

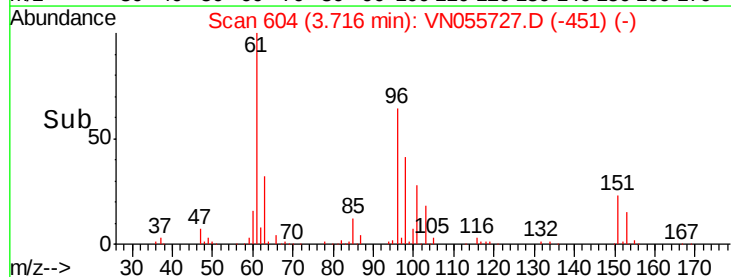
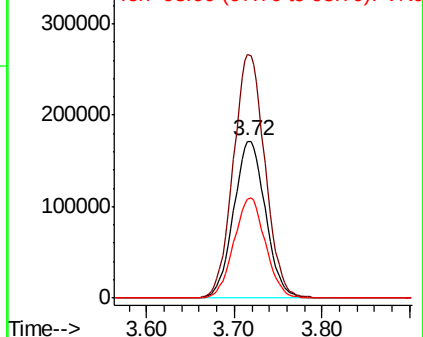
98 63.4 50.0 75.0

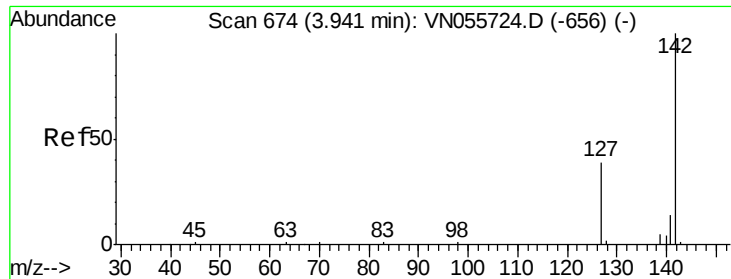


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

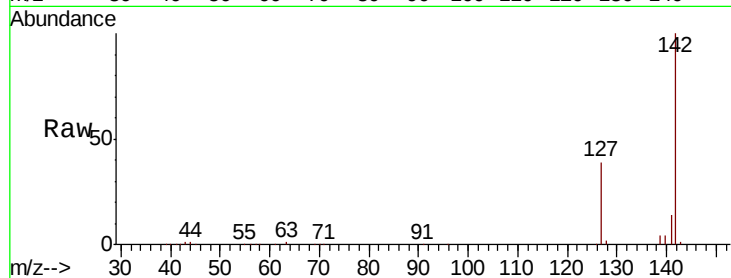




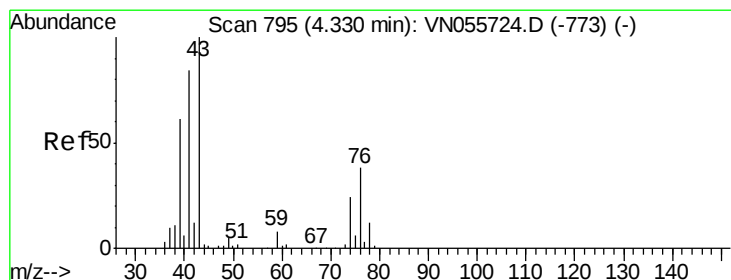
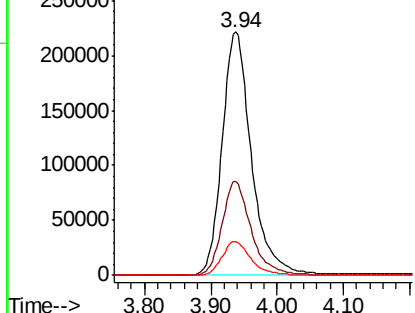
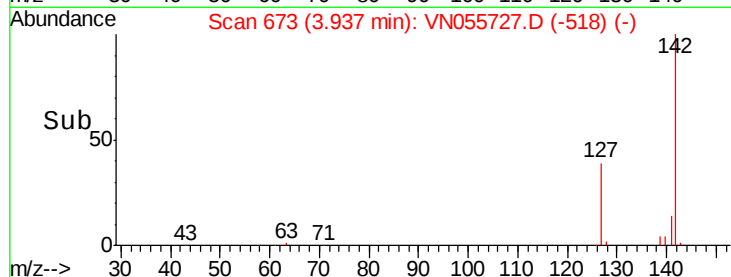
#11
Methyl Iodide
Concen: 147.651 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:142 Resp: 681731
Ion Ratio Lower Upper
142 100
127 38.7 19.6 58.7
141 13.9 6.9 20.6

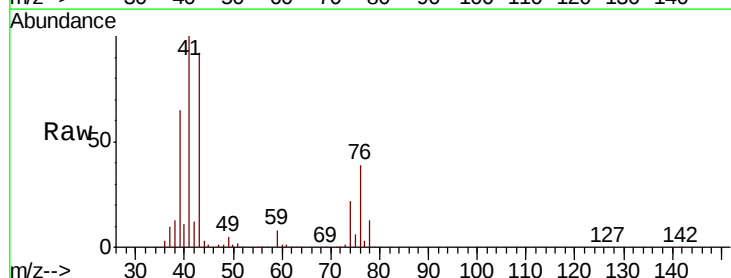


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

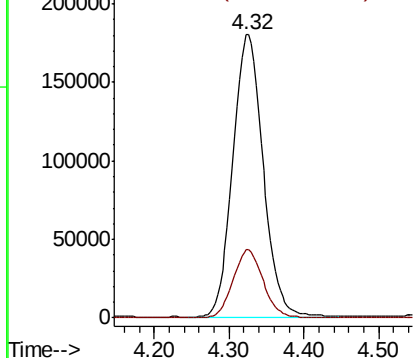
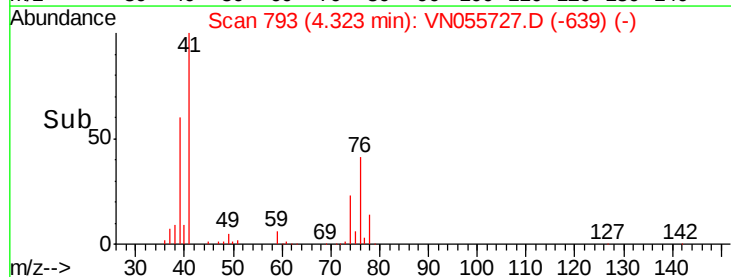


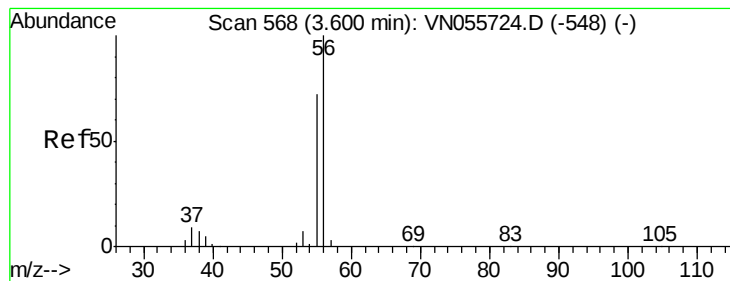
#12
Methyl Acetate
Concen: 121.446 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 43 Resp: 507234
Ion Ratio Lower Upper
43 100
74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 1443.978 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

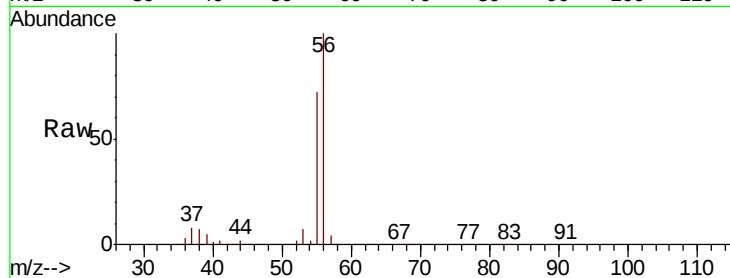
VSTDIC150

Tot Ion: 56 Resp: 365454

Ion Ratio Lower Upper

56 100

55 71.0 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

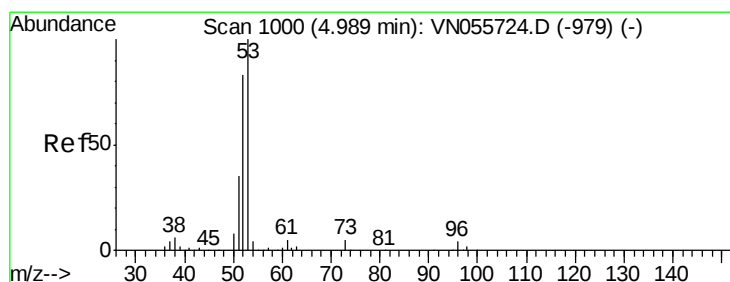
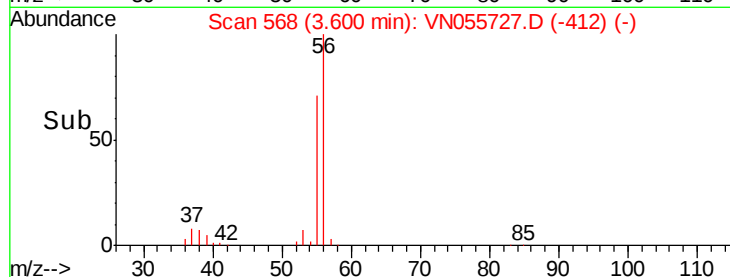
150000

100000

50000

0

Time-->



#14

Acrylonitrile

Concen: 796.641 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

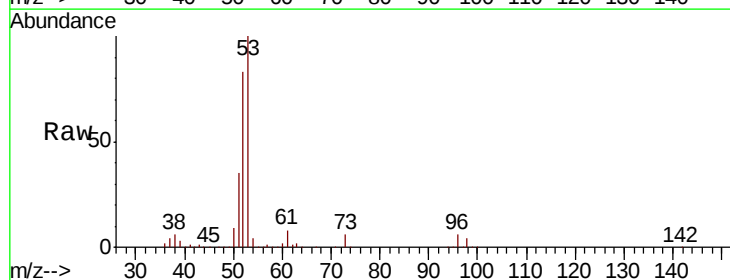
Tgt Ion: 53 Resp: 1242212

Ion Ratio Lower Upper

53 100

52 82.6 41.1 123.4

51 35.2 17.5 52.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

500000

400000

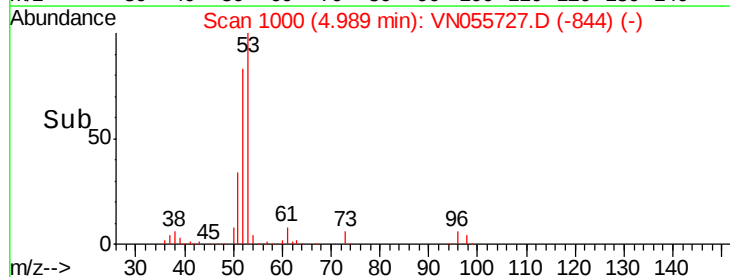
300000

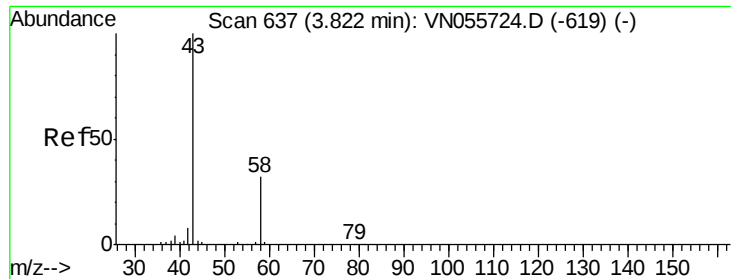
200000

100000

0

Time-->





#15

Acetone

Concen: 884.691 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

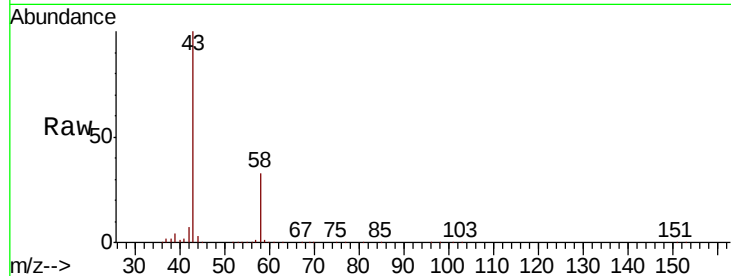
VSTDIC150

Tot Ion: 58 Resp: 354246

Ion Ratio Lower Upper

58 100

43 305.5 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN055727.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VN055727.D (-549) (-)

400000

300000

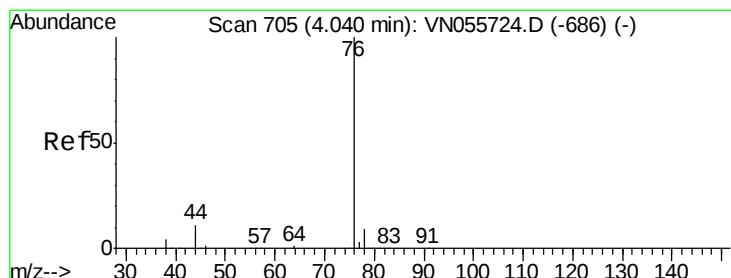
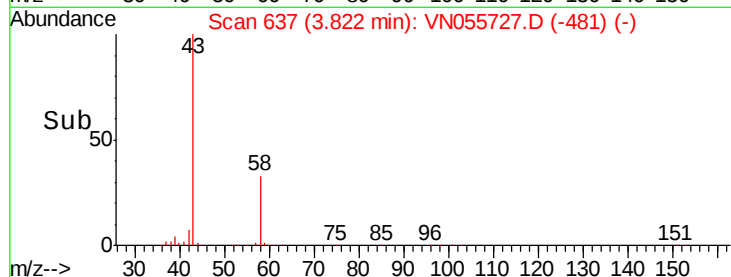
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 154.284 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055727.D

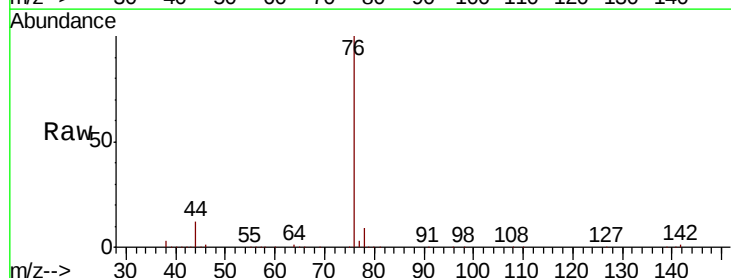
Acq: 22 May 2019 18:37

Tgt Ion: 76 Resp: 1277365

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN055727.D (-549) (-)

Ion 78.00 (77.70 to 78.70): VN055727.D (-549) (-)

500000

400000

300000

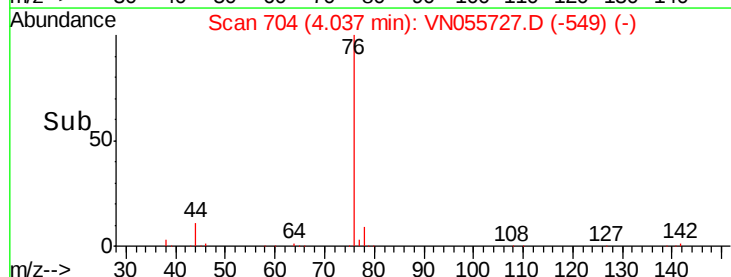
200000

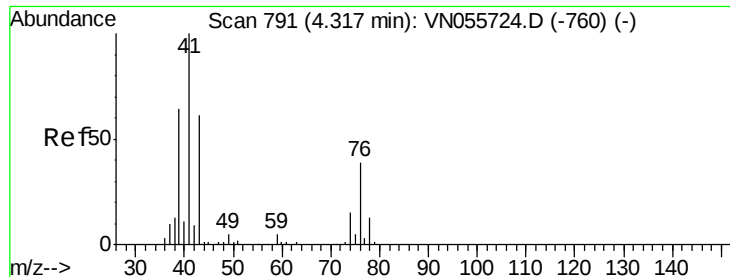
100000

0

4.00 4.20

Time-->





#17

Allvl chloride

Concen: 126.392 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

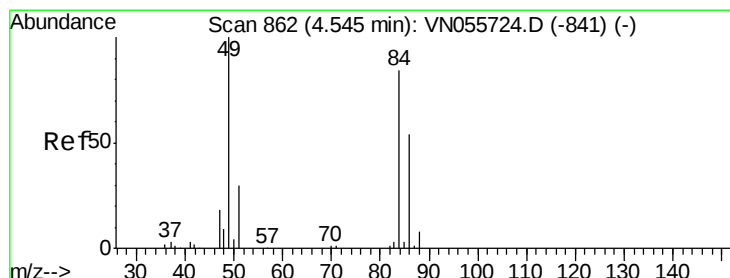
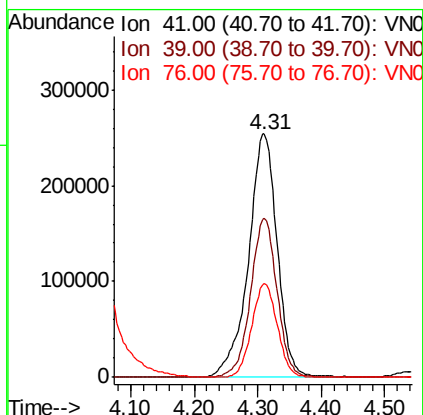
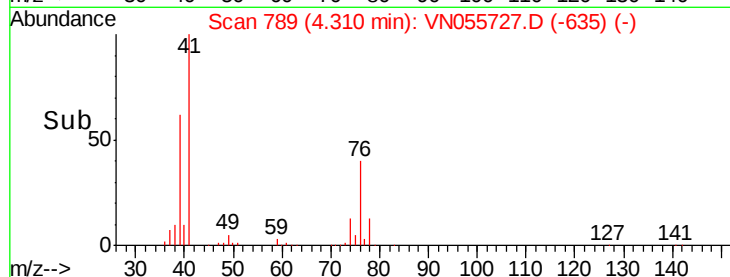
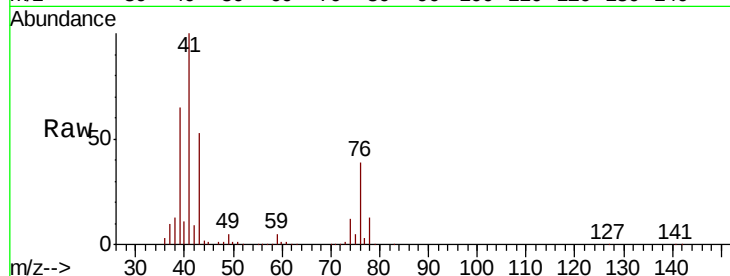
Tot Ion: 41 Resp: 793983

Ion Ratio Lower Upper

41 100

39 65.4 31.8 95.3

76 38.6 19.3 57.9



#18

Methylene Chloride

Concen: 137.822 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Tgt Ion: 84 Resp: 501632

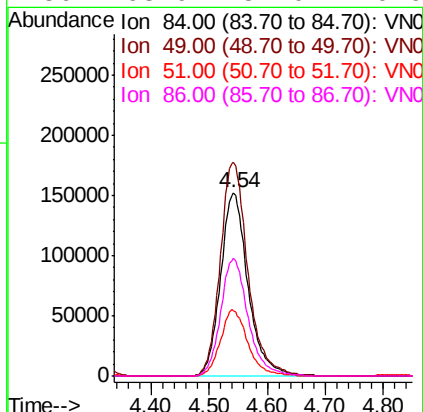
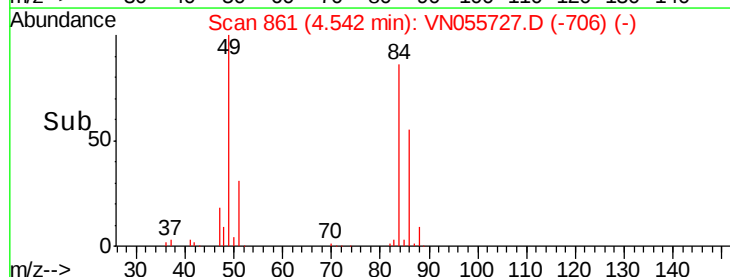
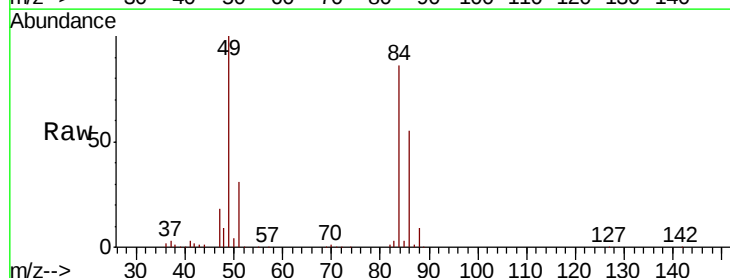
Ion Ratio Lower Upper

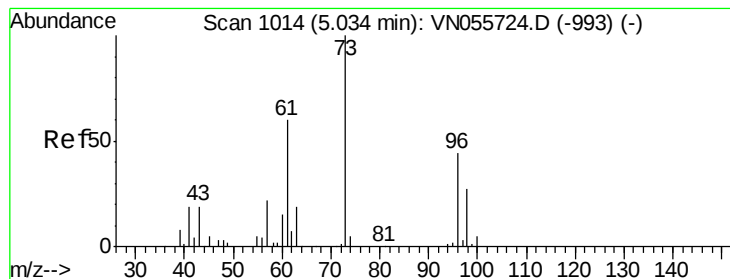
84 100

49 116.5 94.7 142.1

51 36.0 28.6 43.0

86 63.9 51.0 76.6





#19

trans-1,2-Dichloroethene

Concen: 145.732 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

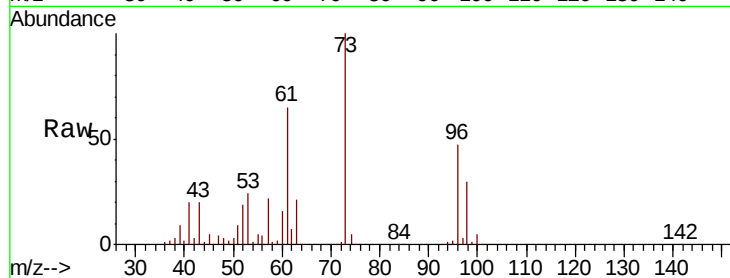
Tot Ion: 96 Resp: 473293

Ion Ratio Lower Upper

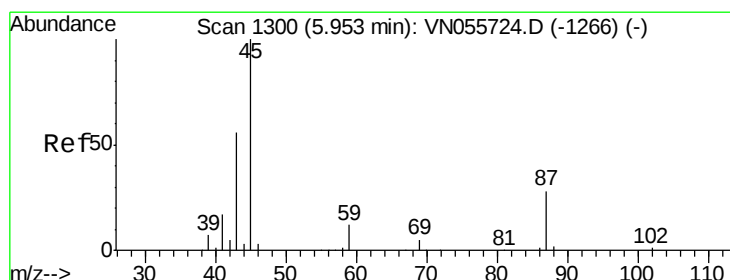
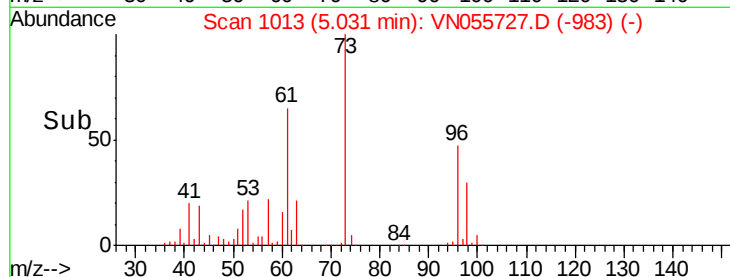
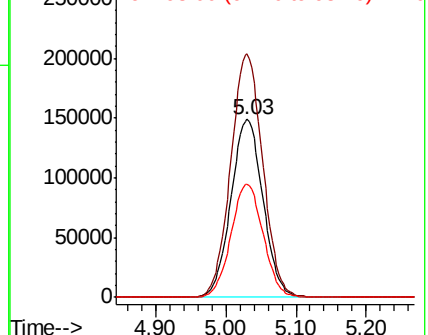
96 100

61 136.8 108.5 162.7

98 63.6 49.4 74.2



Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO



#20

Diisopropyl ether

Concen: 124.058 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Tgt Ion: 45 Resp: 1551825

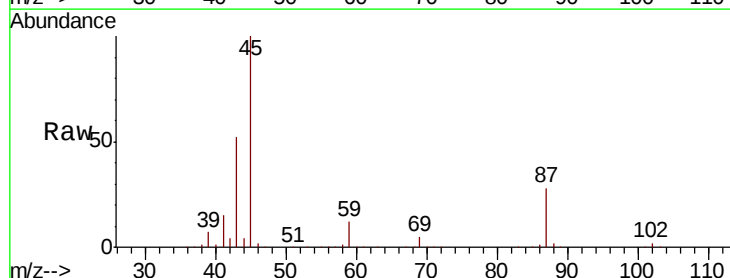
Ion Ratio Lower Upper

45 100

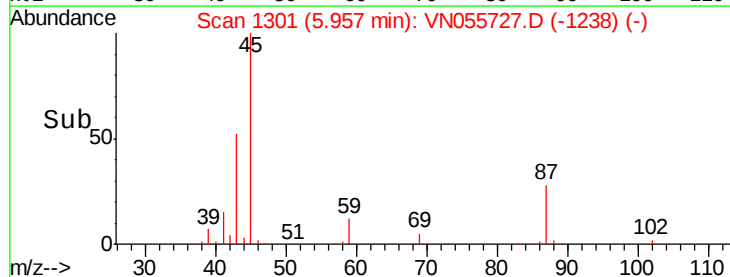
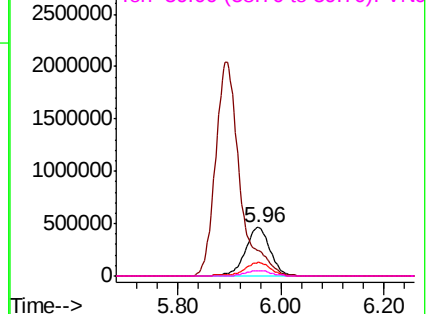
43 52.0 48.6 73.0

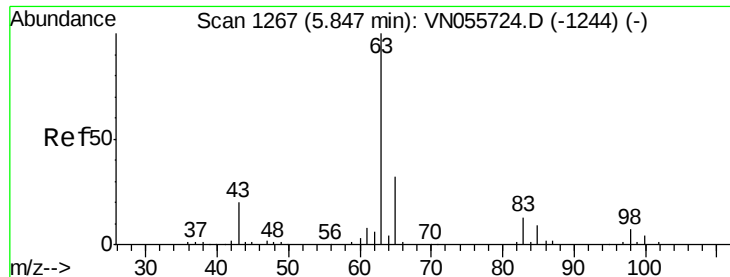
87 28.0 22.6 34.0

59 11.4 9.4 14.2



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

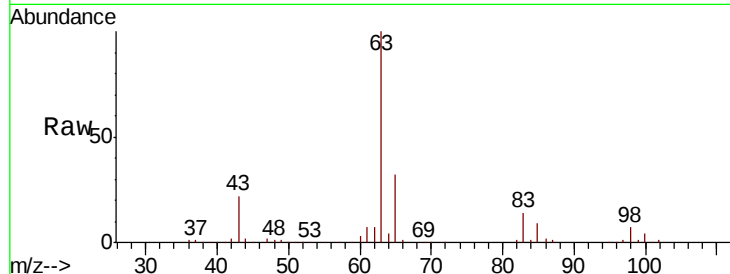




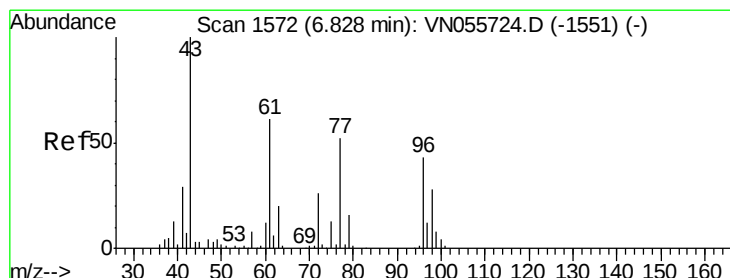
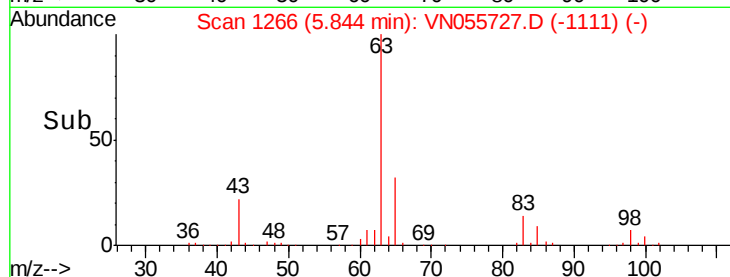
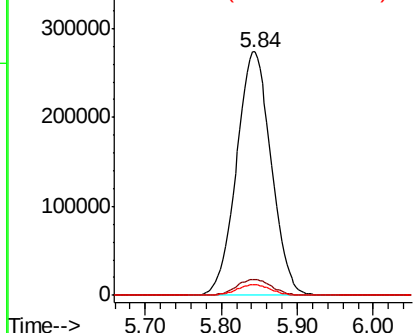
#21
 1,1-Dichloroethane
 Concen: 130.715 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 865493
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.3 2.2 6.6

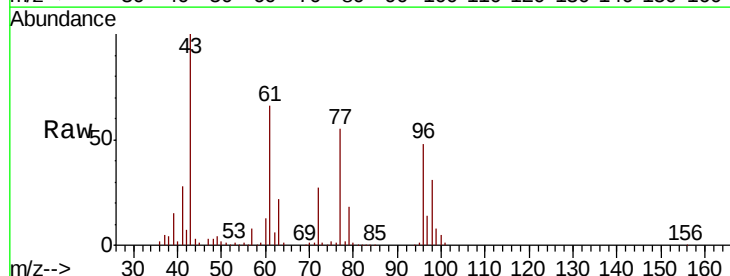


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

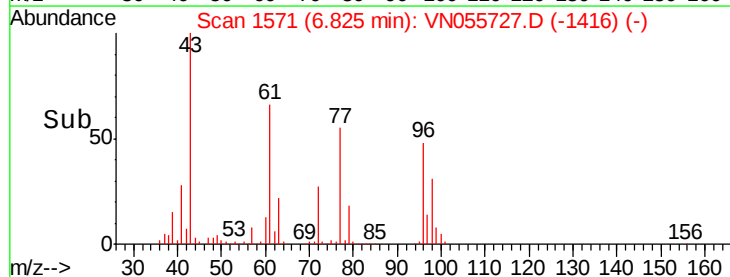
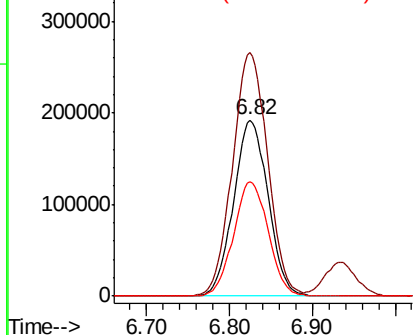


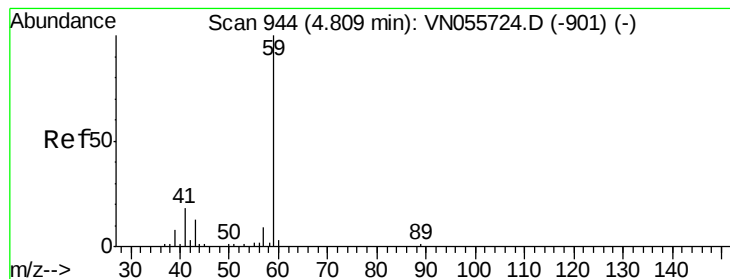
#22
 cis-1,2-Dichloroethene
 Concen: 147.309 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion: 96 Resp: 557689
 Ion Ratio Lower Upper
 96 100
 61 140.6 115.7 173.5
 98 64.9 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 1222.870 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

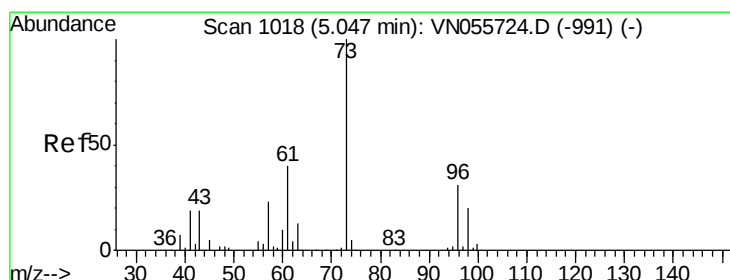
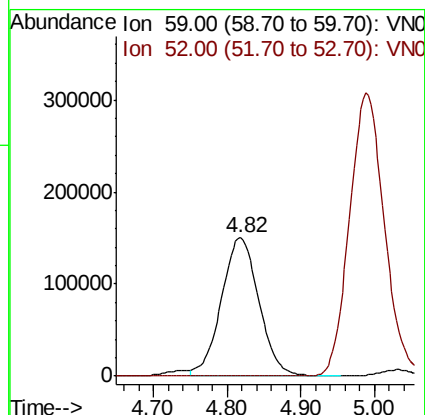
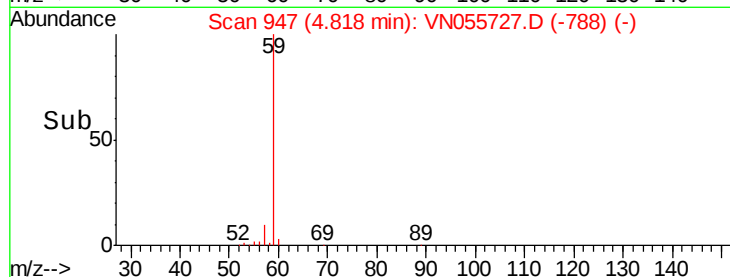
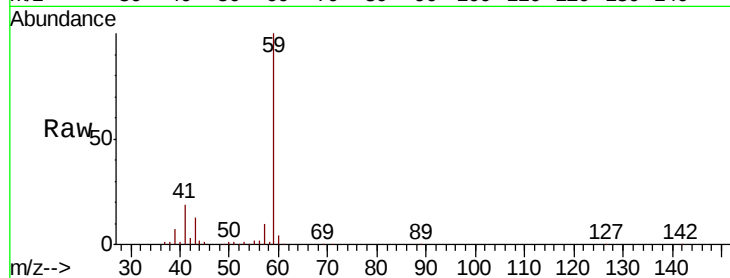
VSTDIC150

Tot Ion: 59 Resp: 530121

Ion Ratio Lower Upper

59 100

52 0.1 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 150.948 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055727.D

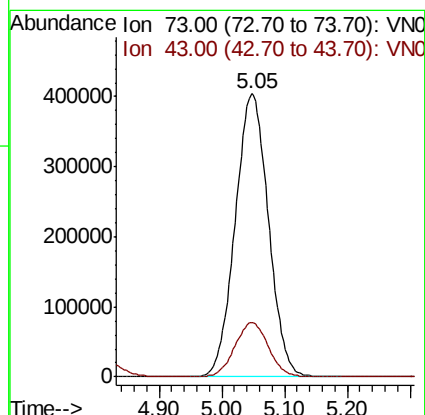
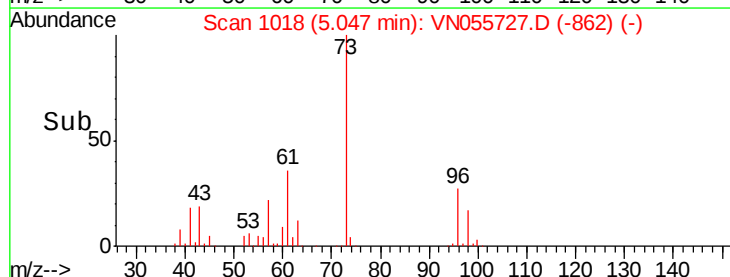
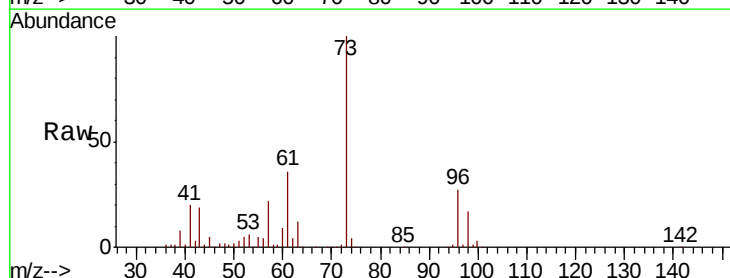
Acq: 22 May 2019 18:37

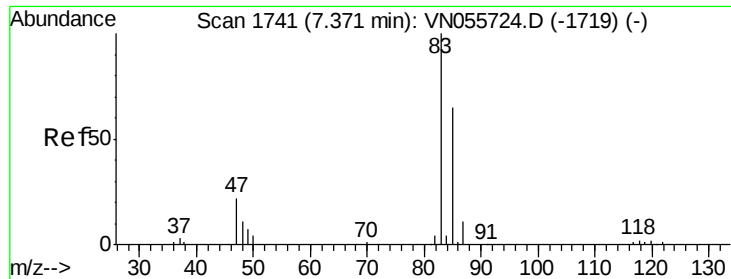
Tgt Ion: 73 Resp: 1485551

Ion Ratio Lower Upper

73 100

43 19.2 15.7 23.5

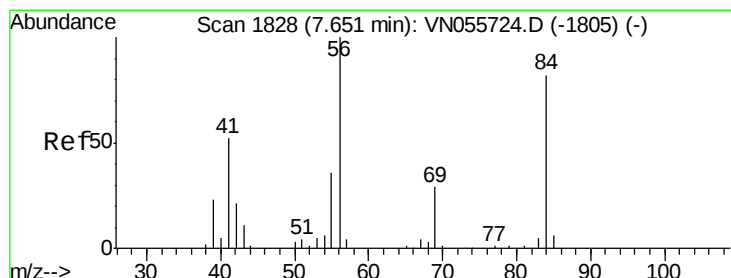
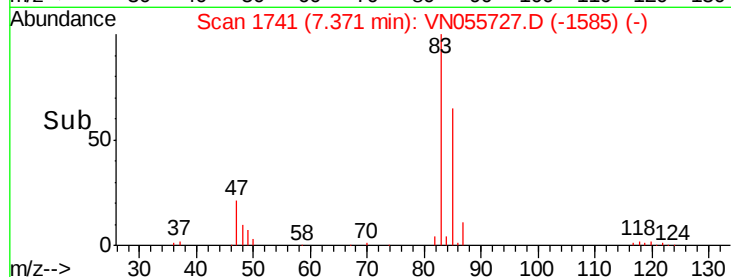
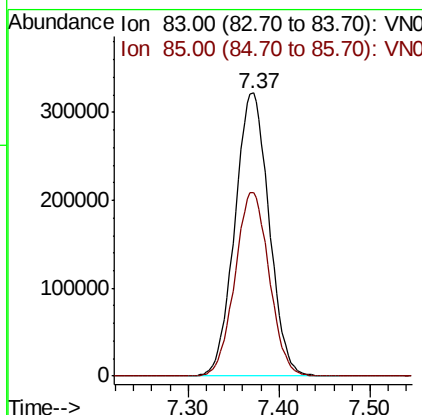
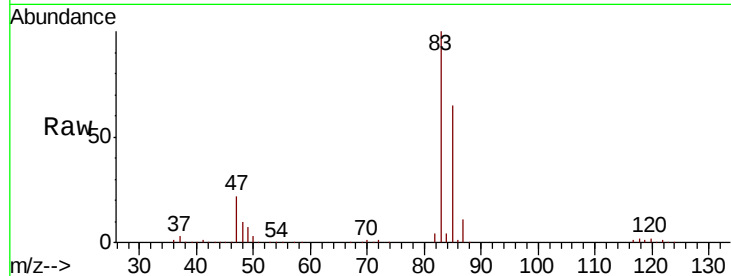




#25
Chloroform
Concen: 133.956 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

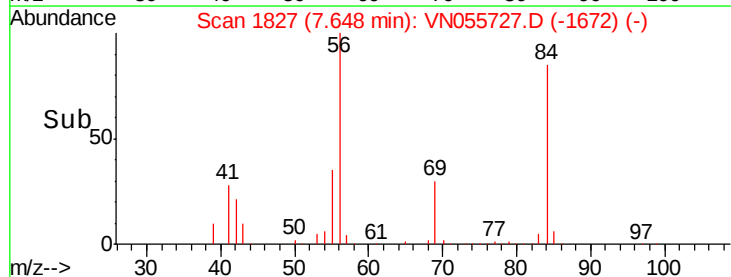
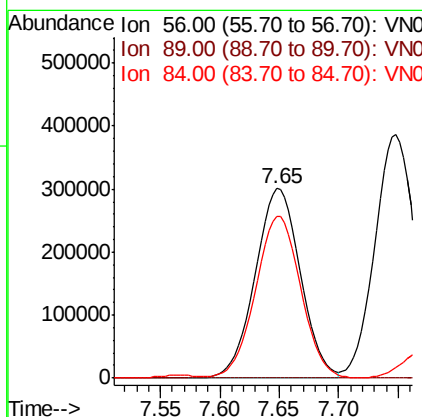
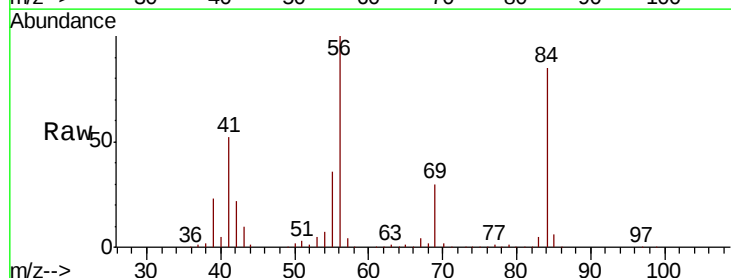
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

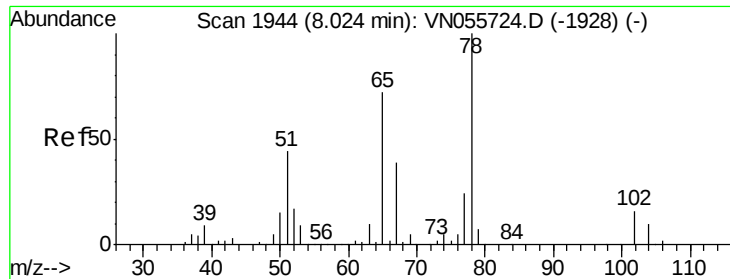
Tot Ion: 83 Resp: 840749
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5



#26
Cyclohexane
Concen: 135.075 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 56 Resp: 790252
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 85.7 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 26.278 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

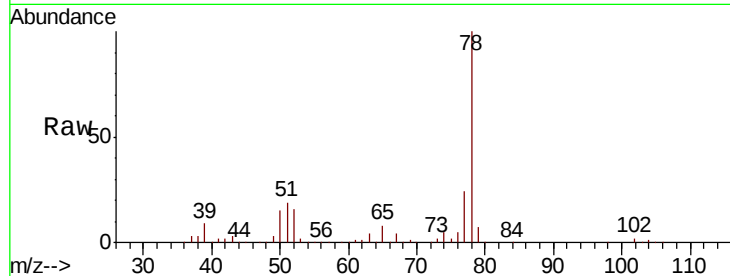
VSTDIC150

Tot Ion: 65 Resp: 110683

Ion Ratio Lower Upper

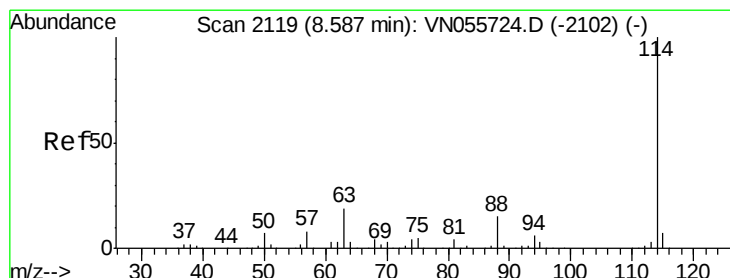
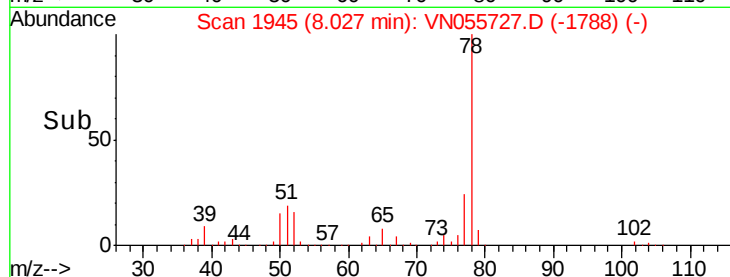
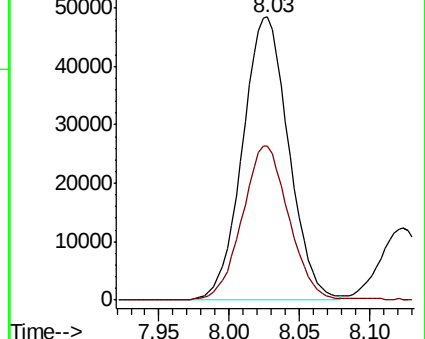
65 100

67 54.8 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

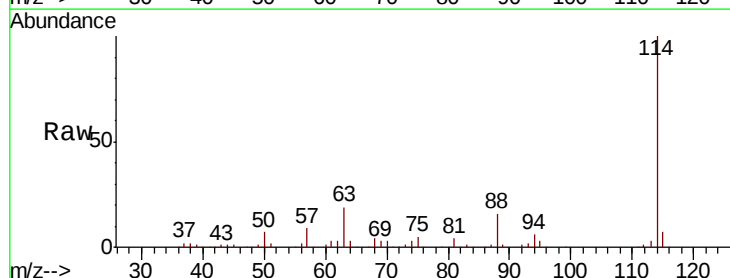
Tgt Ion: 114 Resp: 317119

Ion Ratio Lower Upper

114 100

63 19.2 15.6 23.4

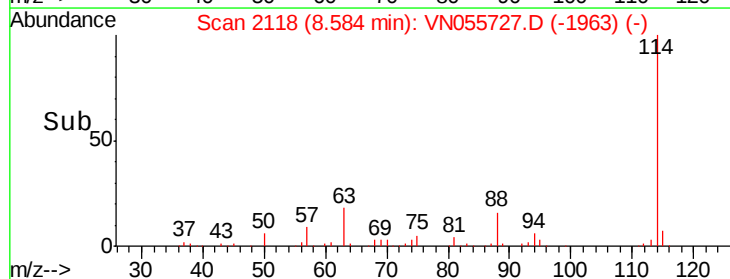
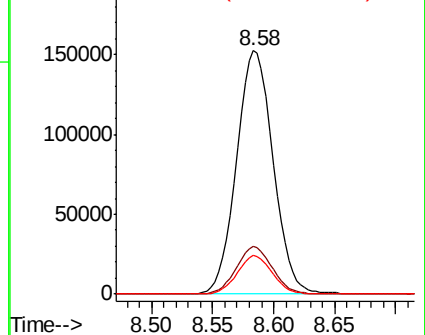
88 15.2 12.3 18.5

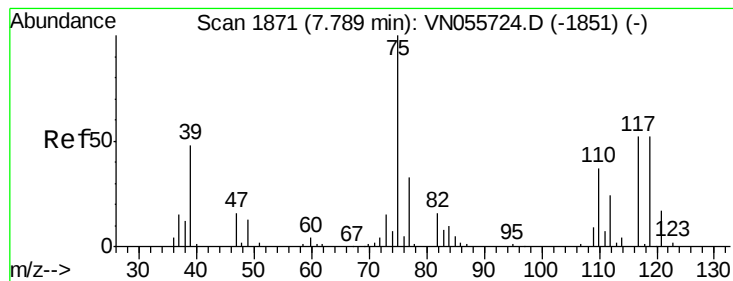


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#29

1,1-Dichloropropene

Concen: 132.251 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

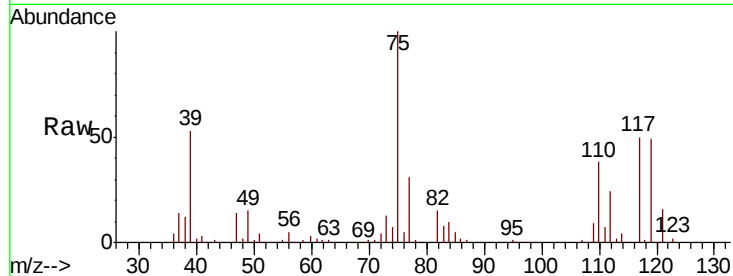
Tot Ion: 75 Resp: 650281

Ion Ratio Lower Upper

75 100

110 37.2 0.0 74.8

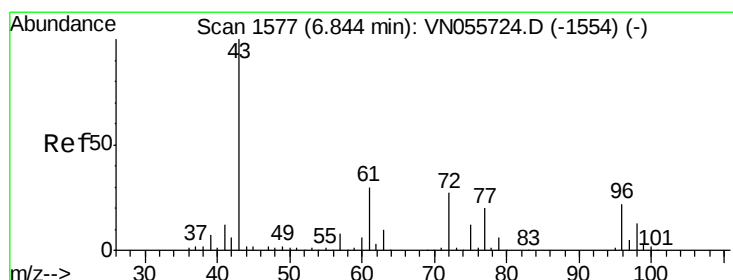
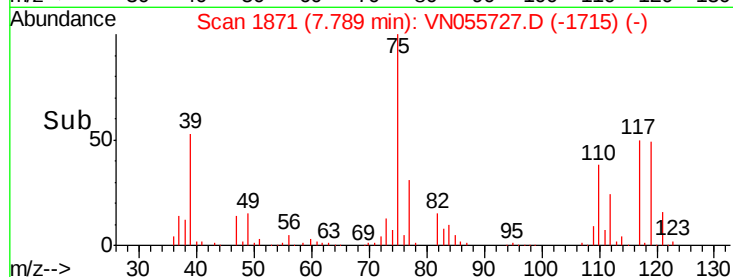
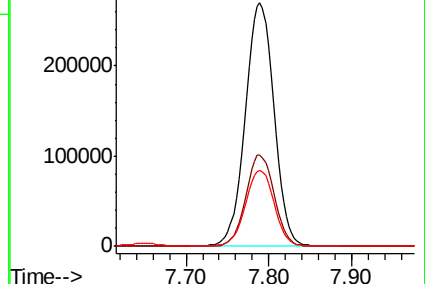
77 31.4 0.0 65.2



Abundance Ion 75.00 (74.70 to 75.70): VN055724.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN055724.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN055724.D (-1851) (-)



#30

2-Butanone

Concen: 816.675 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

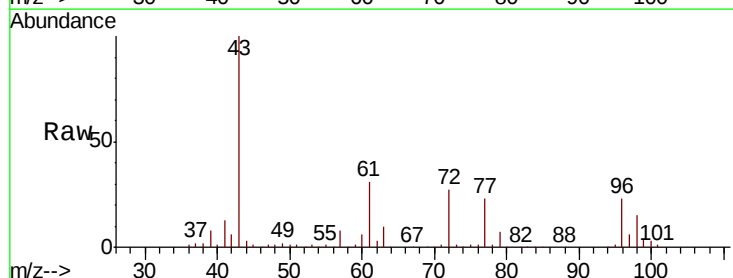
Tgt Ion: 43 Resp: 1715290

Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

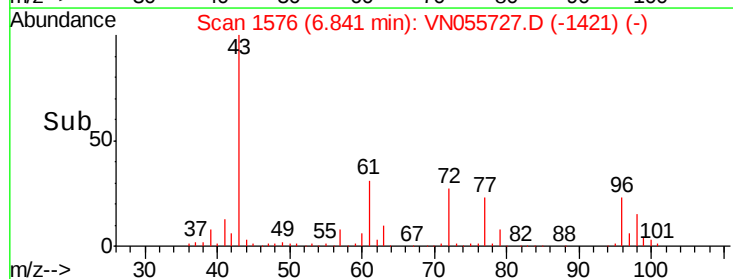
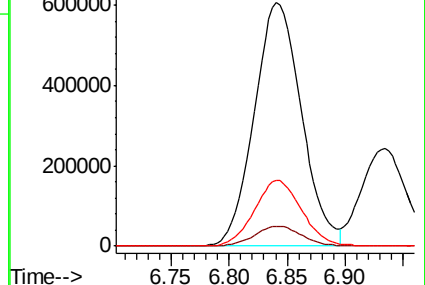
72 27.2 21.7 32.5

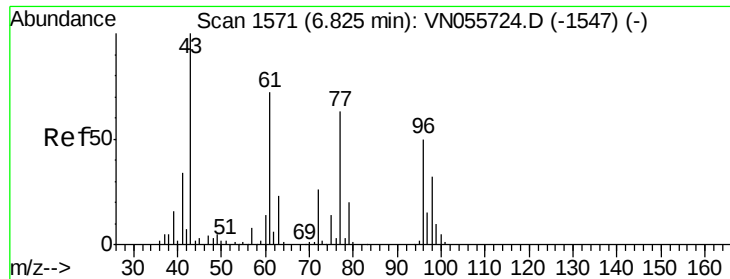


Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1554) (-)

Ion 57.00 (56.70 to 57.70): VN055724.D (-1554) (-)

Ion 72.00 (71.70 to 72.70): VN055724.D (-1554) (-)





#31

2,2-Dichloropropane

Concen: 147.577 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

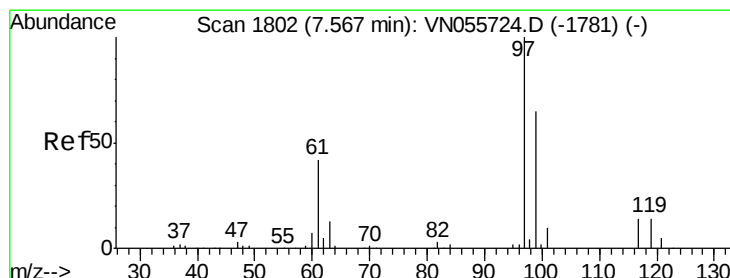
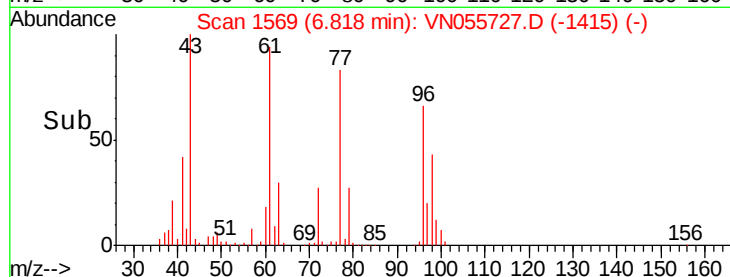
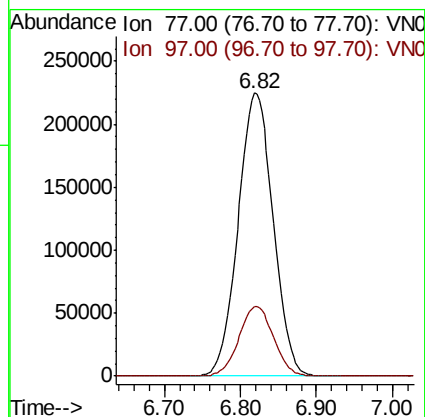
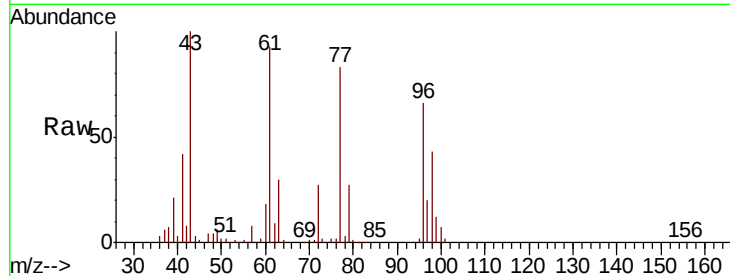
VSTDIC150

Tot Ion: 77 Resp: 718024

Ion Ratio Lower Upper

77 100

97 24.4 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 135.776 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

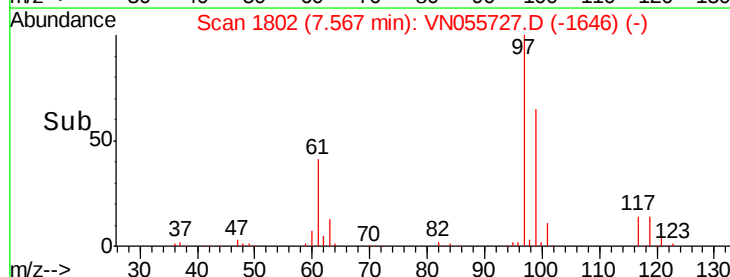
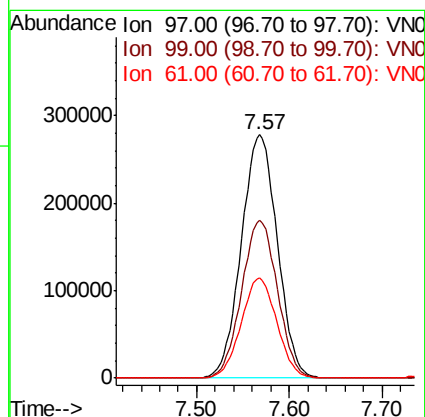
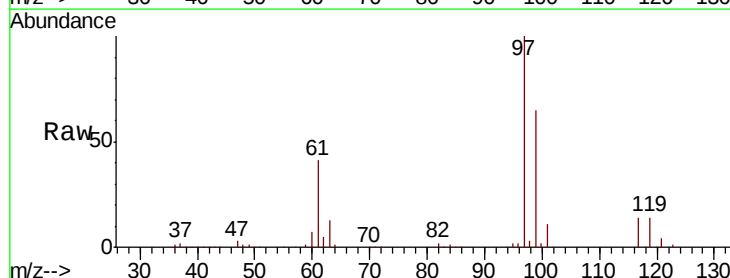
Tgt Ion: 97 Resp: 750824

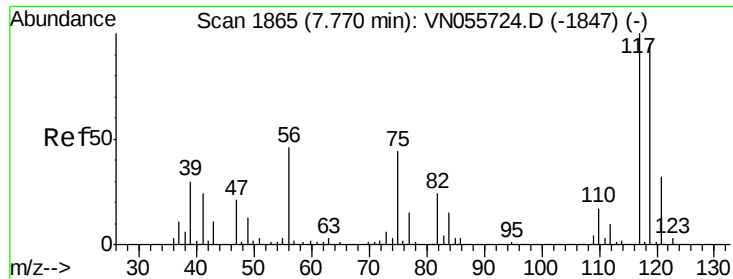
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 40.9 33.1 49.7

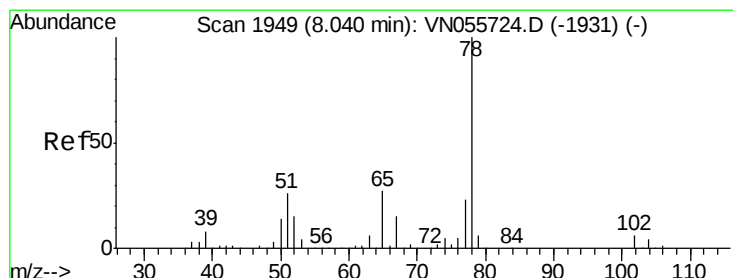
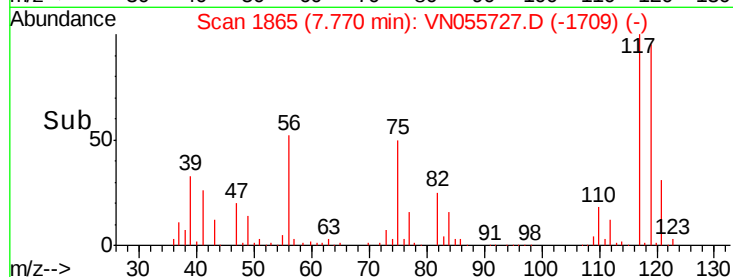
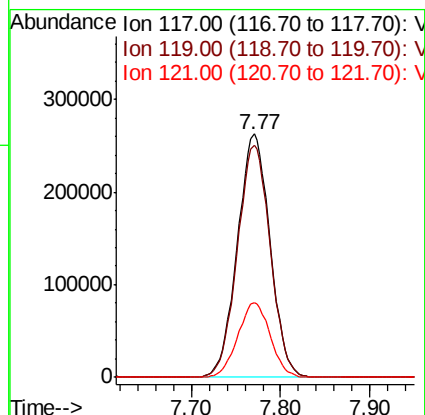
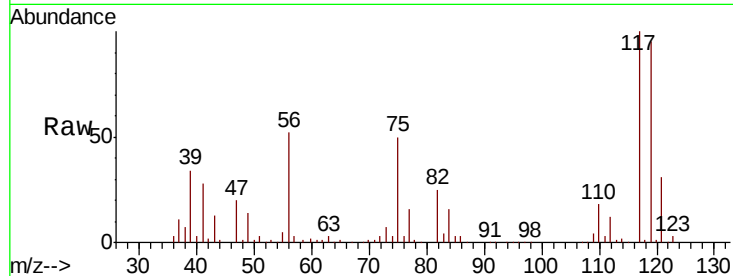




#33
Carbon Tetrachloride
Concen: 141.798 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

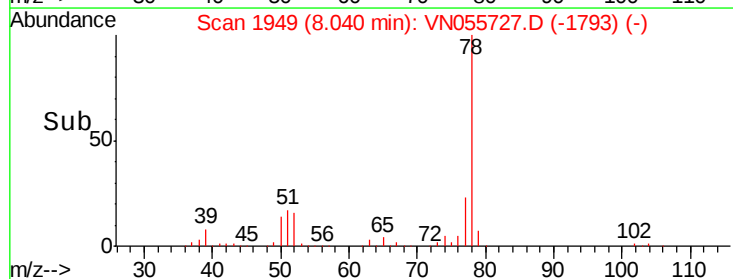
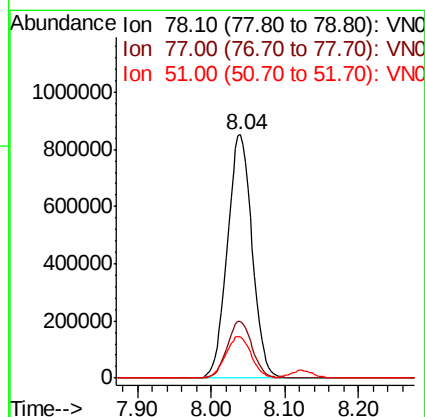
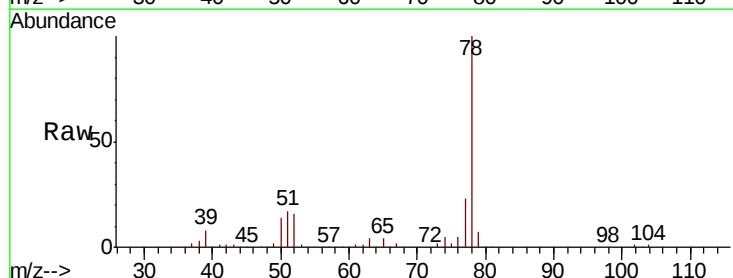
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

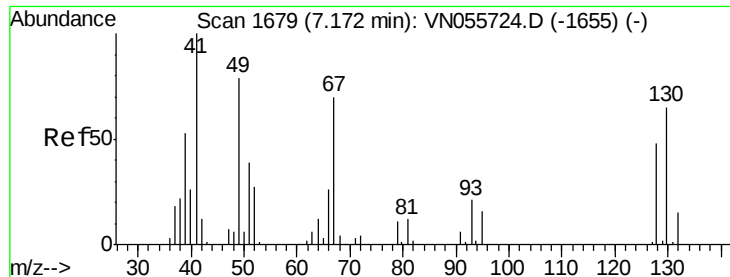
Tot Ion:117 Resp: 667141
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.8
121 30.6 25.4 38.0



#34
Benzene
Concen: 134.086 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 78 Resp: 1982246
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2
51 17.0 20.6 31.0#

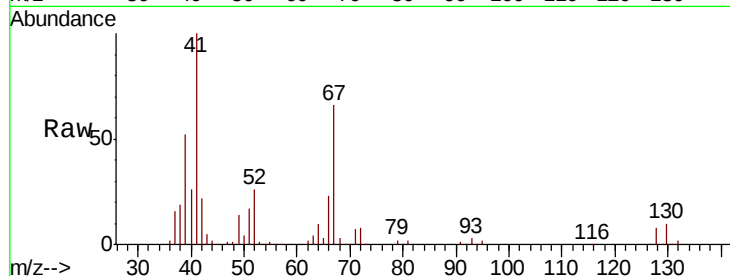




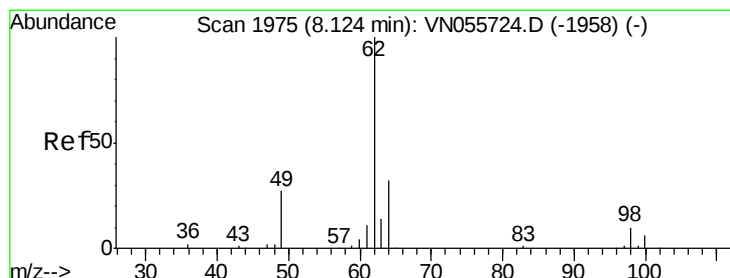
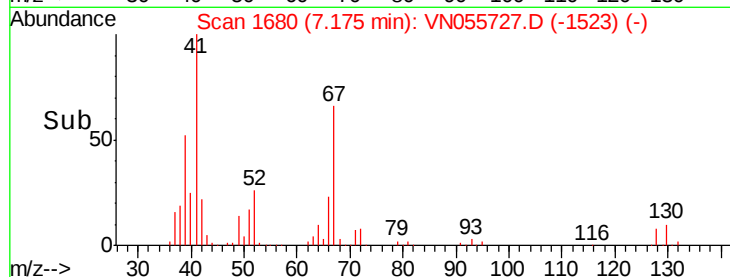
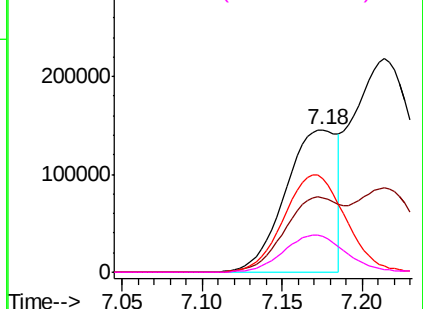
#35
Methacrylonitrile
Concen: 146.257 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:	41	Resp:	328383
Ion	Ratio	Lower	Upper
41	100		
39	52.3	26.7	80.1
67	65.9	34.9	104.7
52	25.4	13.6	40.8

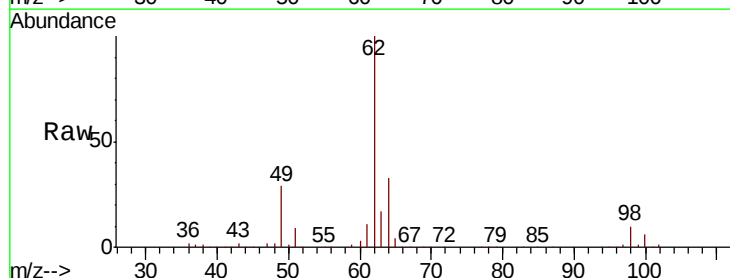


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

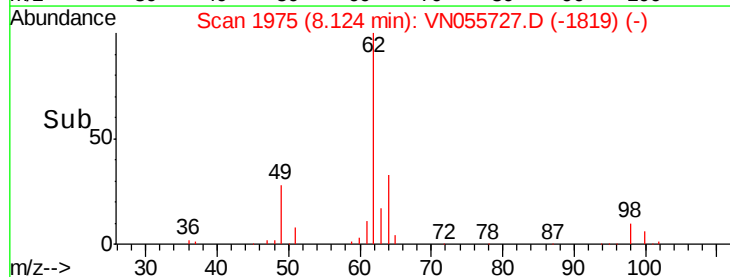
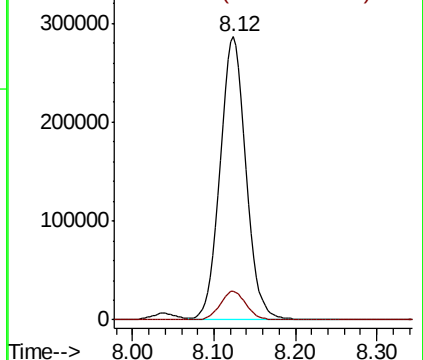


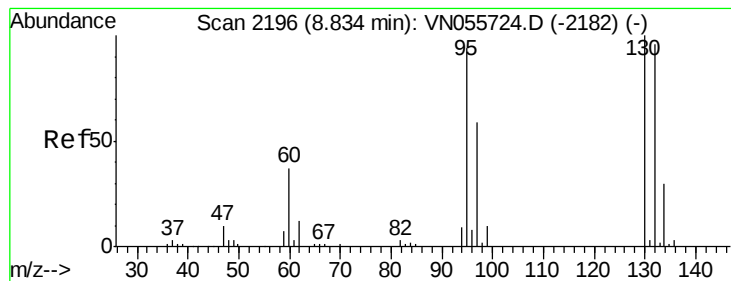
#36
1,2-Dichloroethane
Concen: 124.165 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion:	62	Resp:	643487
Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.2	12.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 146.233 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

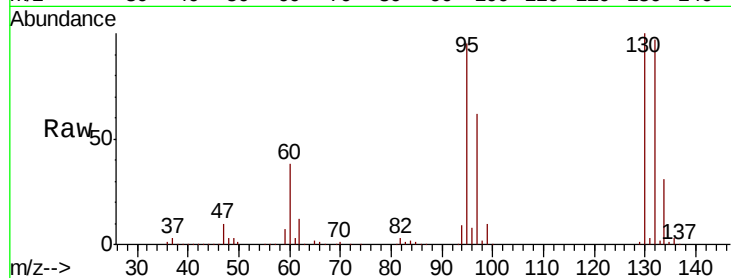
VSTDIC150

Tot Ion:130 Resp: 556706

Ion Ratio Lower Upper

130 100

95 95.5 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): VN055727.D (-2182) (-)

Ion 94.90 (94.60 to 95.60): VN055727.D (-2182) (-)

8.83

250000

200000

150000

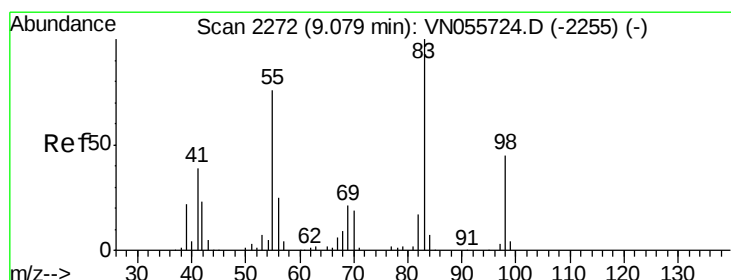
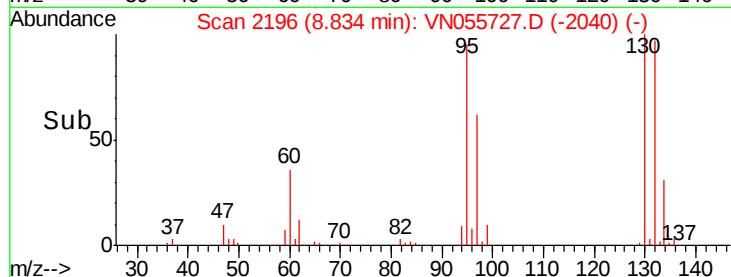
100000

50000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 150.007 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

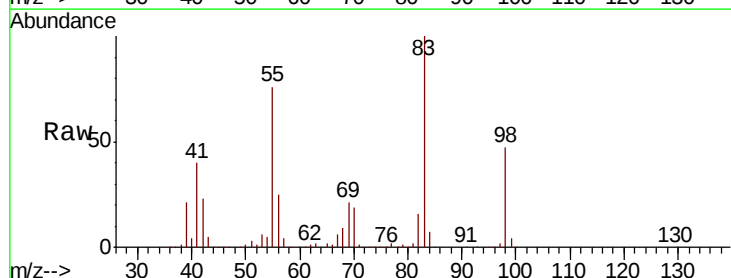
Tgt Ion: 83 Resp: 814866

Ion Ratio Lower Upper

83 100

55 74.9 37.8 113.4

98 46.5 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN055727.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN055727.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN055727.D (-2255) (-)

9.08

500000

400000

300000

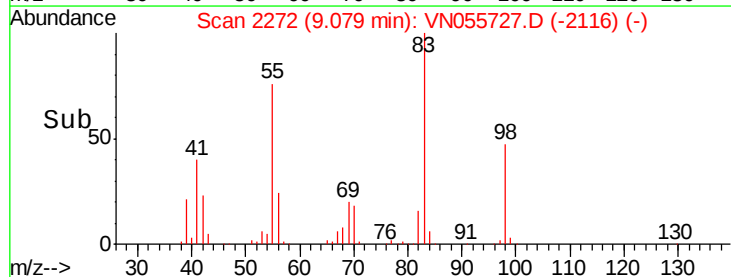
200000

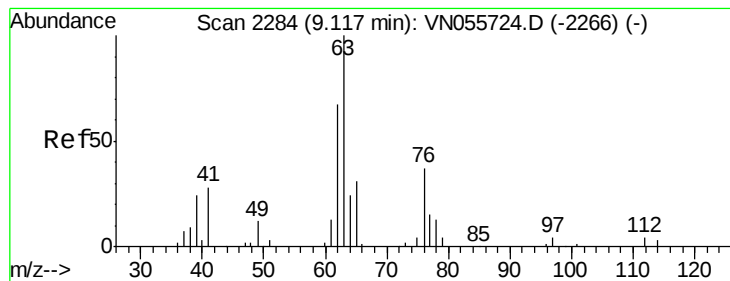
100000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 127.405 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

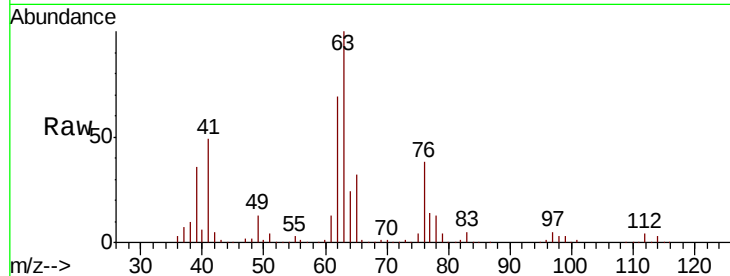
VSTDIC150

Tot Ion: 63 Resp: 531740

Ion Ratio Lower Upper

63 100

65 31.5 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VN055727.D (-2128) (-)

Ion 65.00 (64.70 to 65.70): VN055727.D (-2128) (-)

9.12

250000

200000

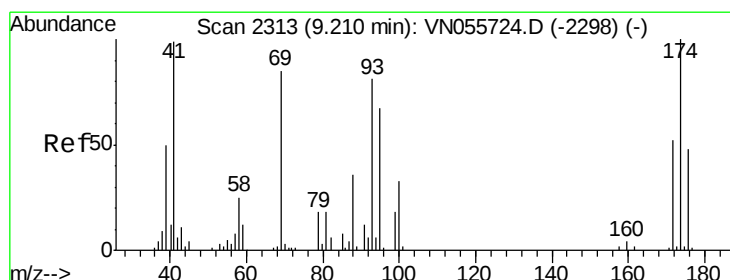
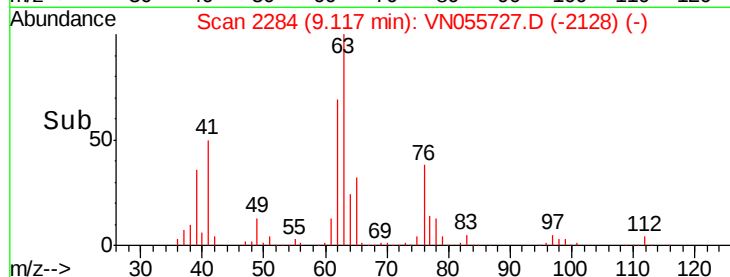
150000

100000

50000

0

Time-->



#40

Dibromomethane

Concen: 140.136 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

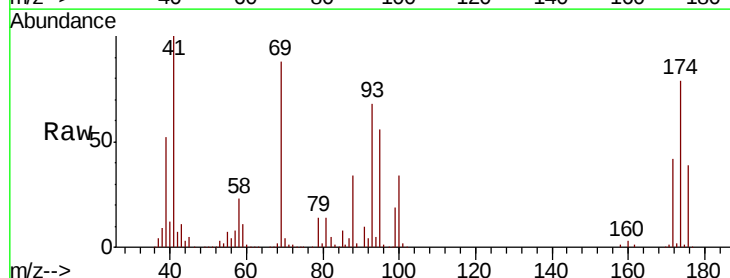
Tgt Ion: 93 Resp: 343828

Ion Ratio Lower Upper

93 100

95 82.9 0.0 170.6

174 119.2 0.0 248.4



Abundance Ion 93.00 (92.70 to 93.70): VN055727.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN055727.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN055727.D (-2157) (-)

250000

200000

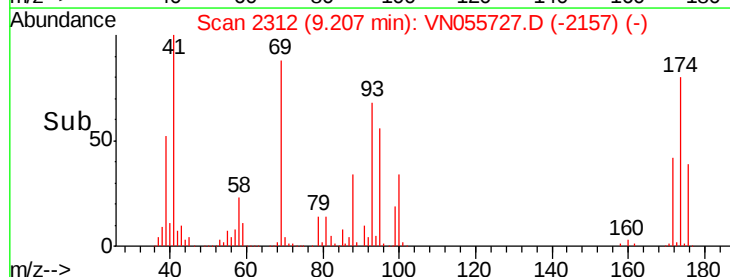
150000

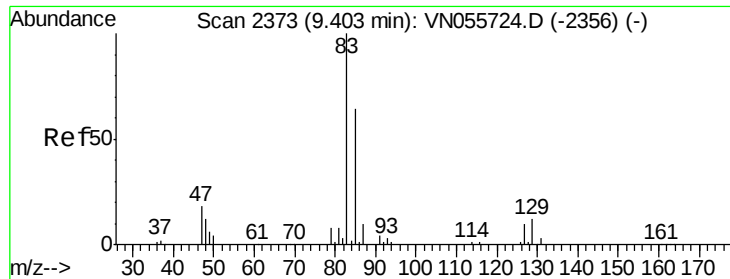
100000

50000

0

Time-->





#41

Bromodichloromethane

Concen: 137.428 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

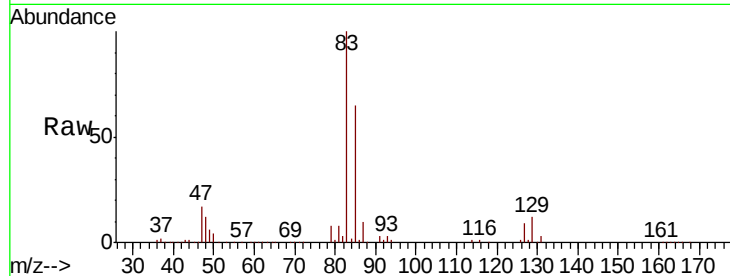
Tot Ion: 83 Resp: 695556

Ion Ratio Lower Upper

83 100

85 64.8 51.4 77.0

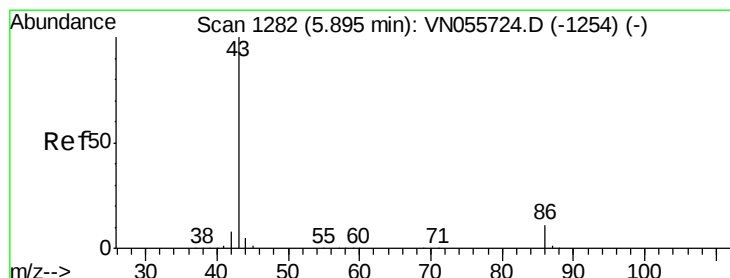
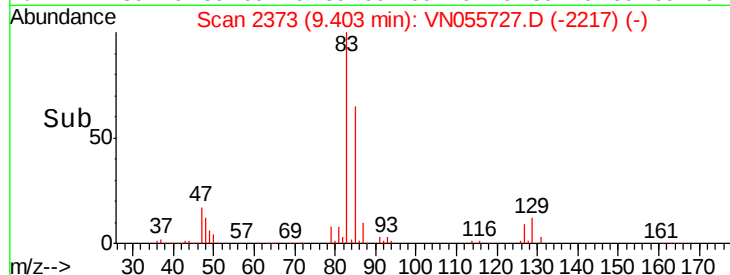
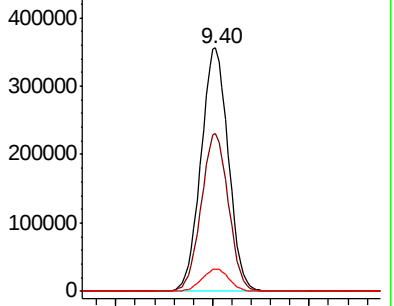
127 9.3 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN055727.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN055727.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN055727.D (-2217) (-)



#42

Vinyl Acetate

Concen: 688.959 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055727.D

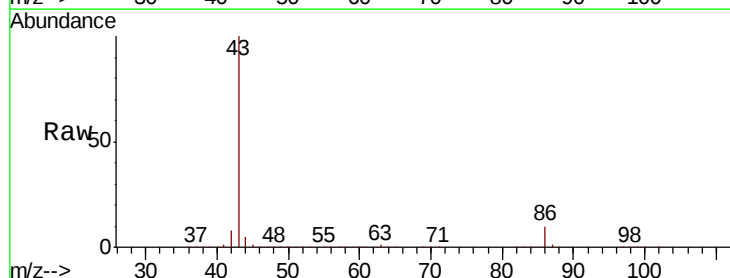
Acq: 22 May 2019 18:37

Tgt Ion: 43 Resp: 6688735

Ion Ratio Lower Upper

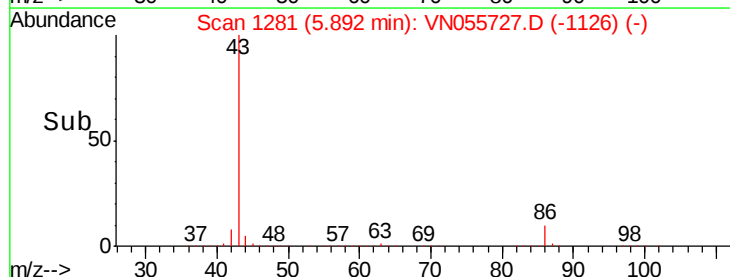
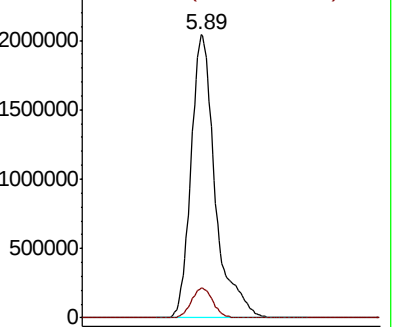
43 100

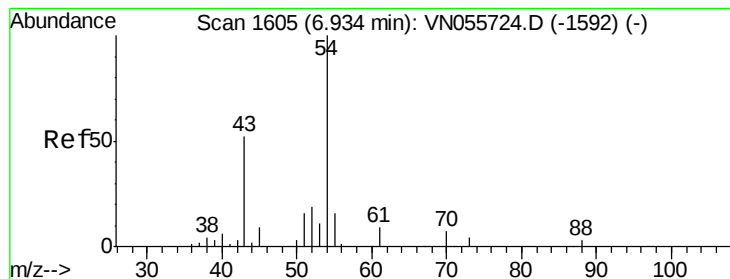
86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055727.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN055727.D (-1126) (-)





#43

Ethyl Acetate

Concen: 154.687 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

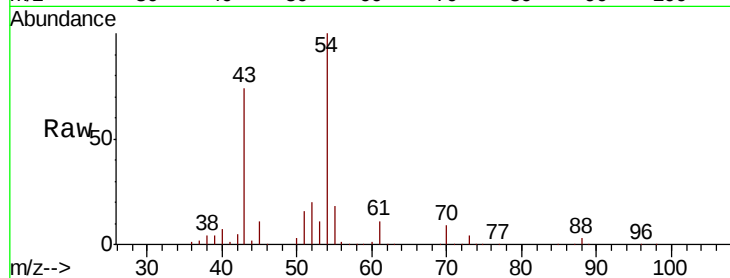
VSTDIC150

Tot Ion: 43 Resp: 670177

Ion Ratio Lower Upper

43 100

45 15.1 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

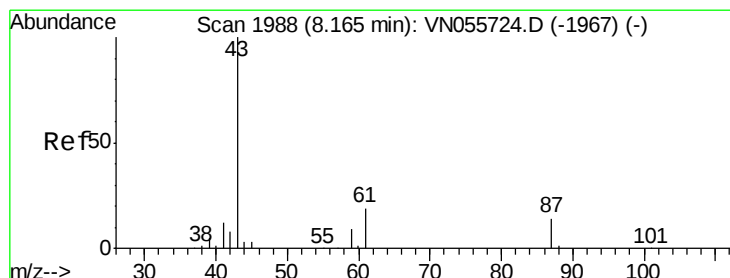
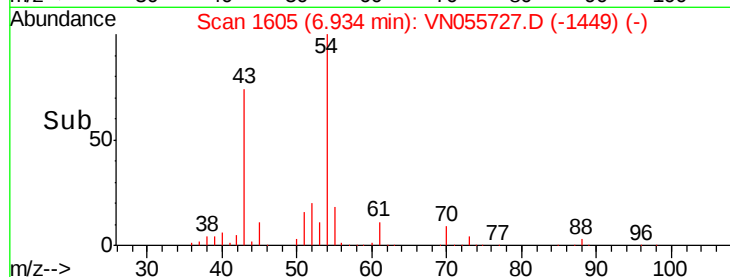
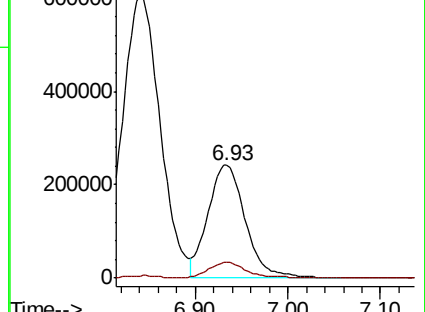
600000

400000

200000

0

6.90 6.93 7.00 7.10



#44

Isopropyl Acetate

Concen: 147.763 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055727.D

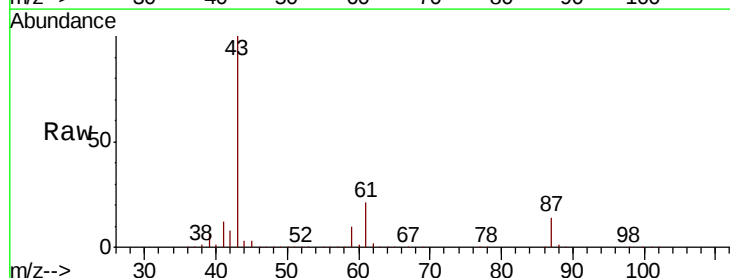
Acq: 22 May 2019 18:37

Tgt Ion: 43 Resp: 1139783

Ion Ratio Lower Upper

43 100

61 21.4 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

600000

500000

400000

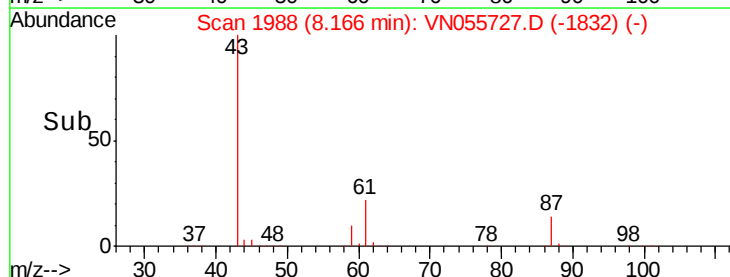
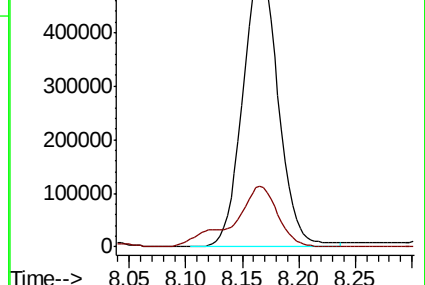
300000

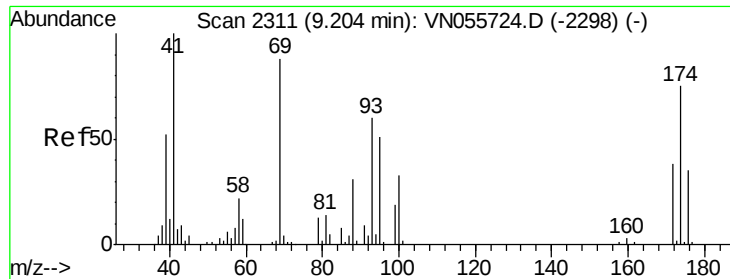
200000

100000

0

8.05 8.10 8.15 8.20 8.25

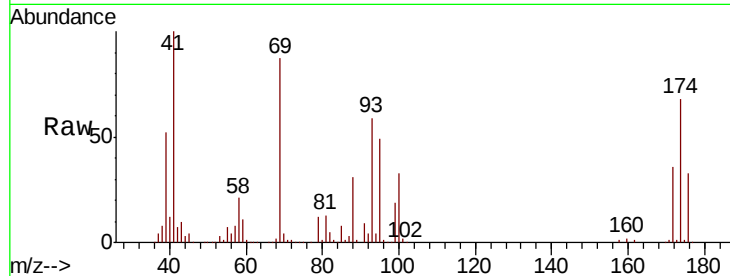




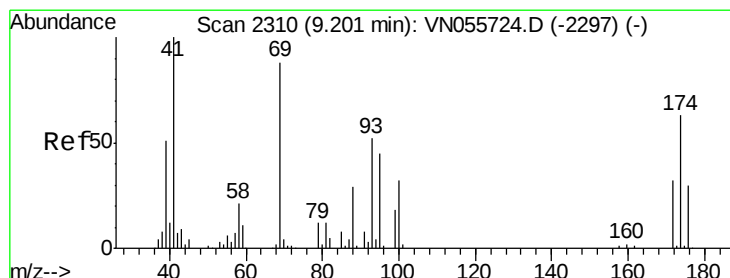
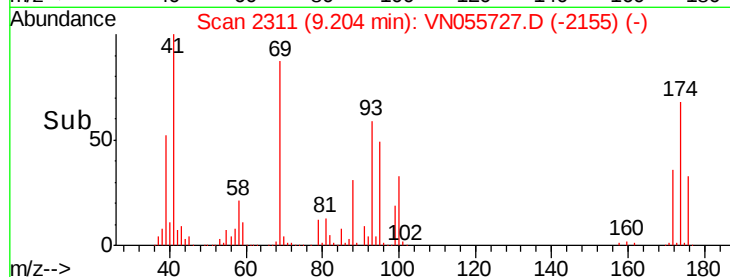
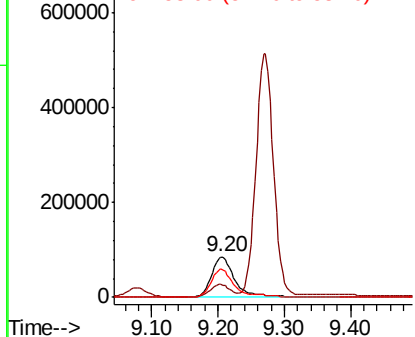
#45
 1,4-Dioxane
 Concen: 4590.760 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 88 Resp: 212132
 Ion Ratio Lower Upper
 88 100
 43 26.1 20.5 30.7
 58 70.0 56.1 84.1

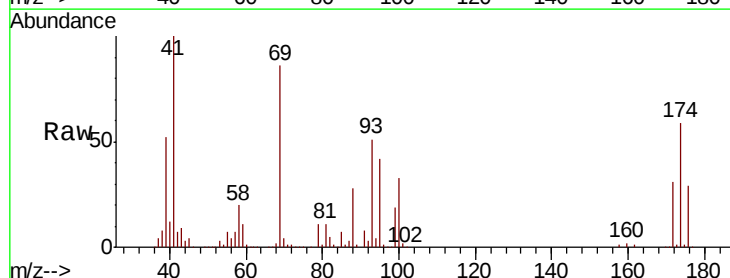


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

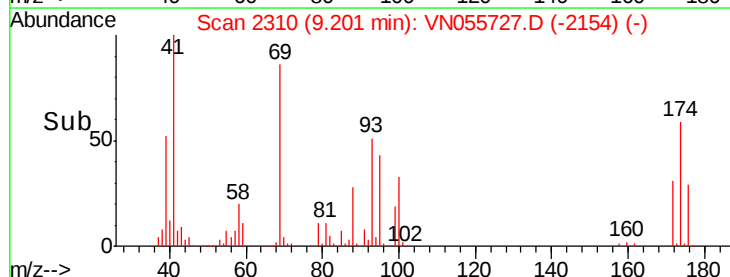
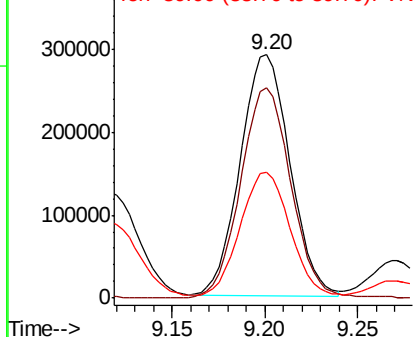


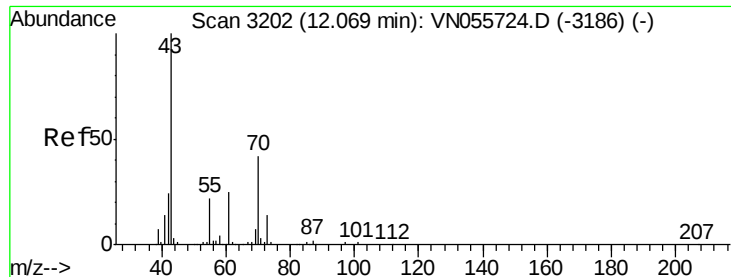
#46
 Methyl methacrylate
 Concen: 148.991 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion: 41 Resp: 542455
 Ion Ratio Lower Upper
 41 100
 69 87.1 43.8 131.4
 39 51.3 25.6 76.6



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

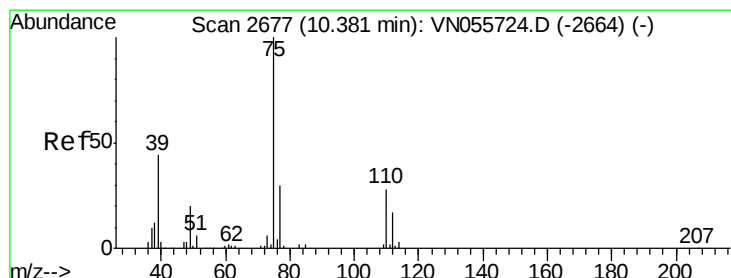
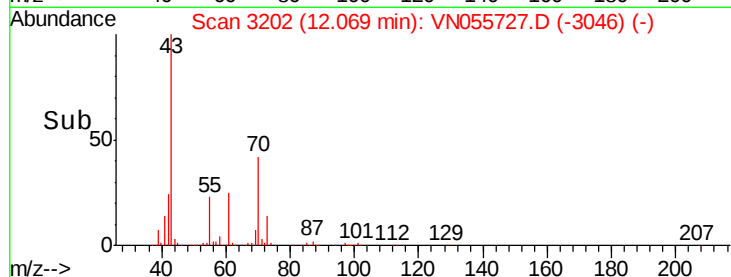
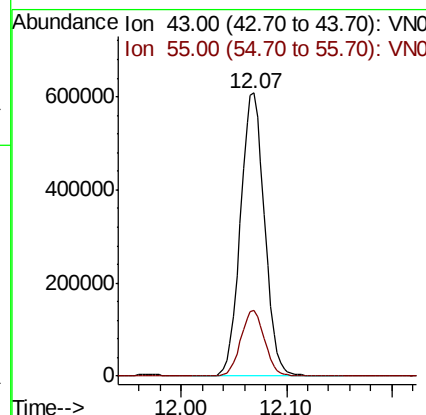
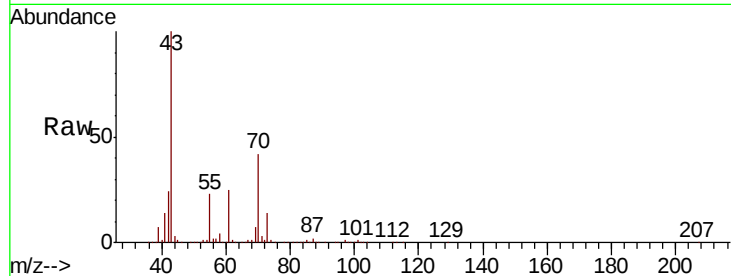




#47
n-amyl Acetate
Concen: 165.873 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

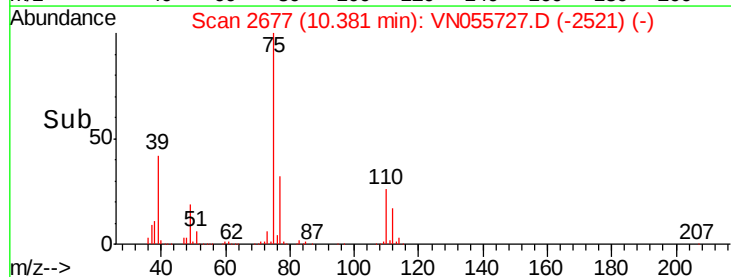
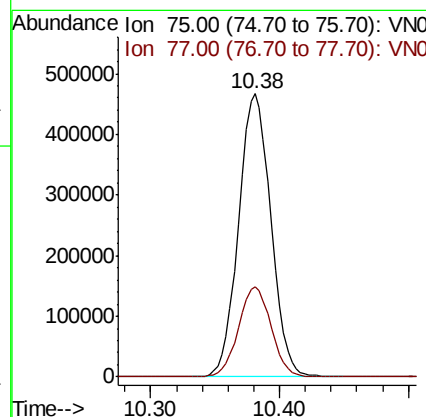
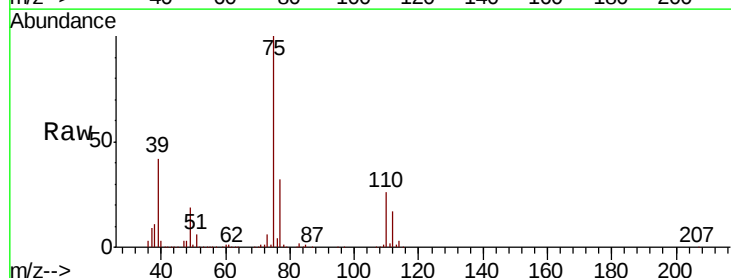
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

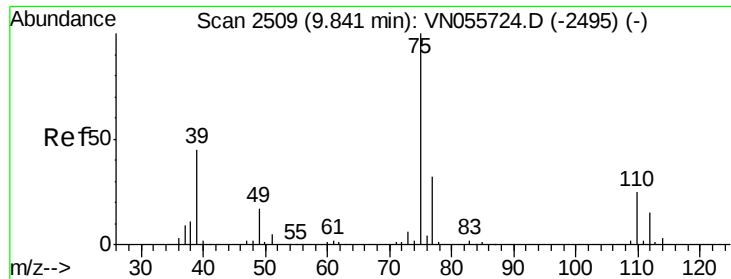
Tot Ion: 43 Resp: 957719
Ion Ratio Lower Upper
43 100
55 23.0 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 158.857 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 75 Resp: 812294
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8



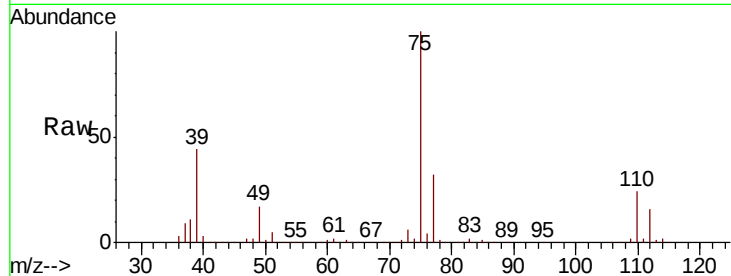


#49

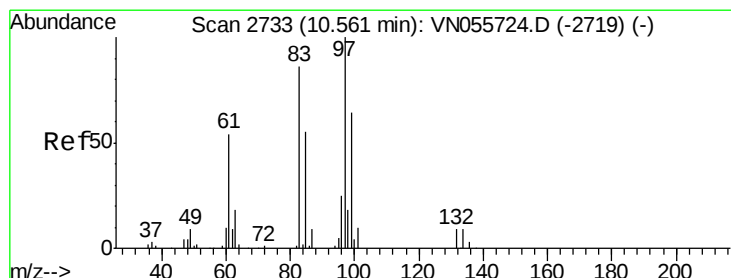
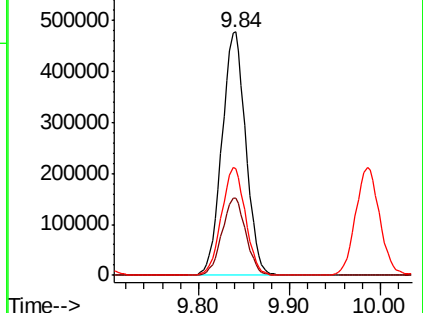
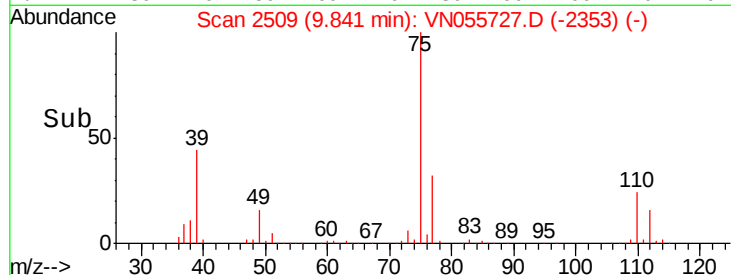
cis-1,3-Dichloropropene
 Concen: 148.777 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 870428
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.0 39.0
 39 43.8 36.2 54.4



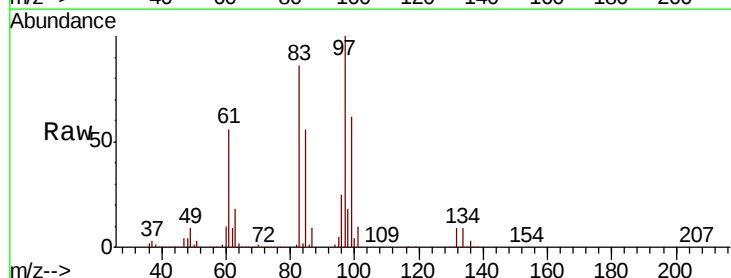
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



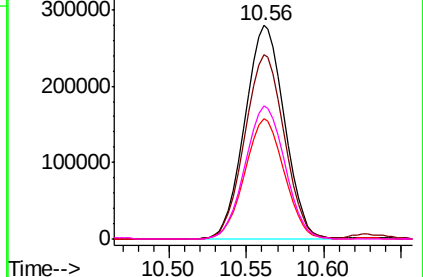
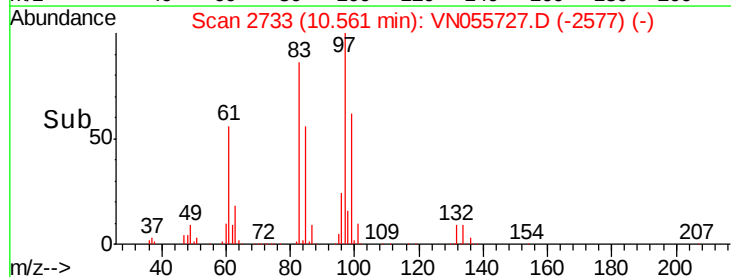
#50

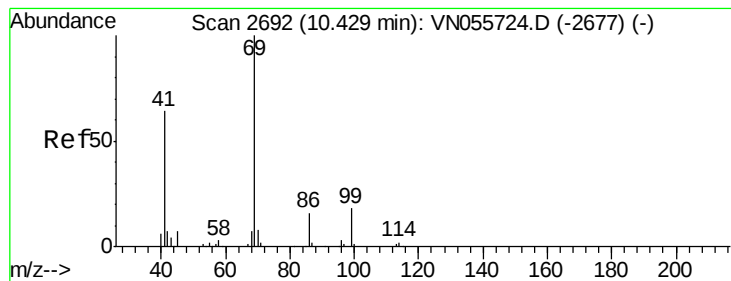
1,1,2-Trichloroethane
 Concen: 146.541 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion: 97 Resp: 499056
 Ion Ratio Lower Upper
 97 100
 83 86.3 68.9 103.3
 85 56.3 44.3 66.5
 99 62.1 51.4 77.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 170.105 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

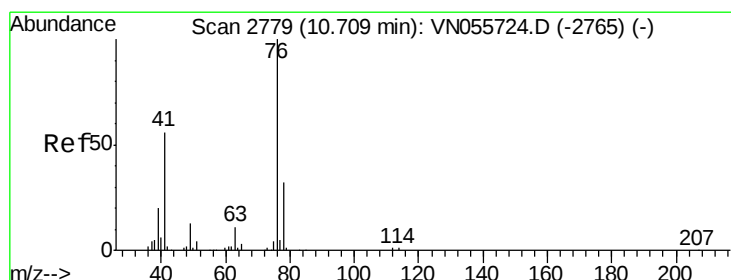
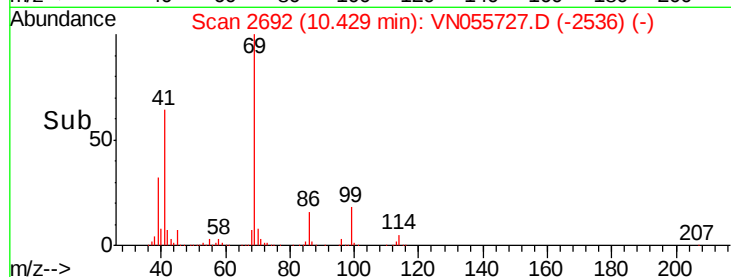
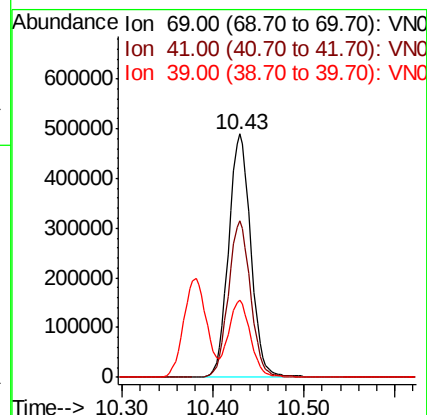
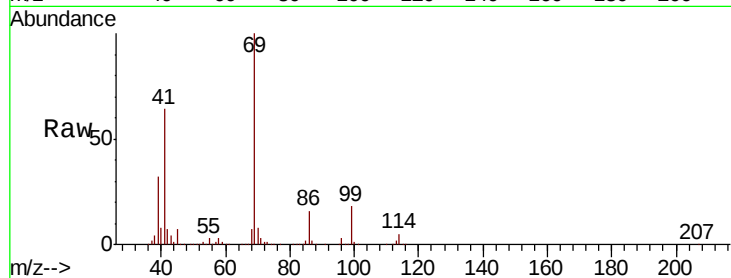
Tot Ion: 69 Resp: 829136

Ion Ratio Lower Upper

69 100

41 63.9 31.9 95.7

39 31.5 15.7 47.0



#52

1,3-Dichloropropane

Concen: 139.636 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055727.D

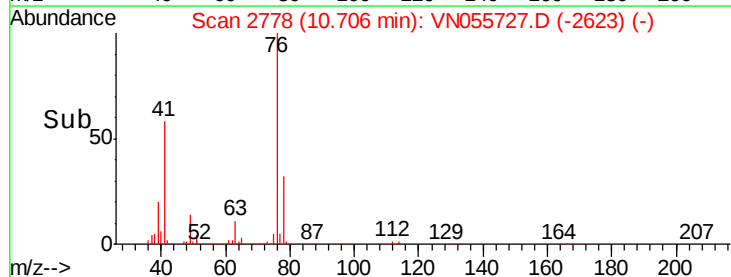
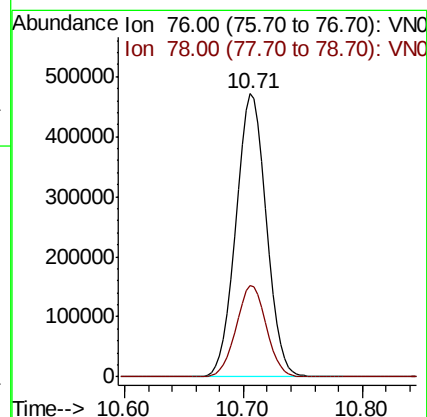
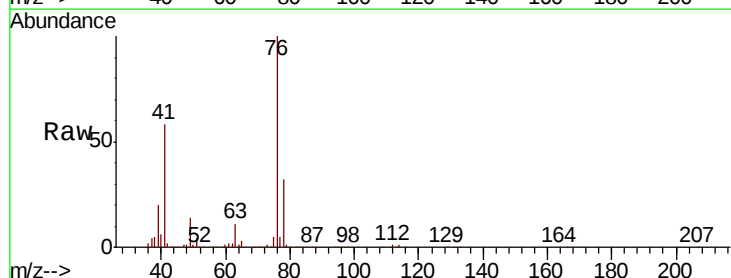
Acq: 22 May 2019 18:37

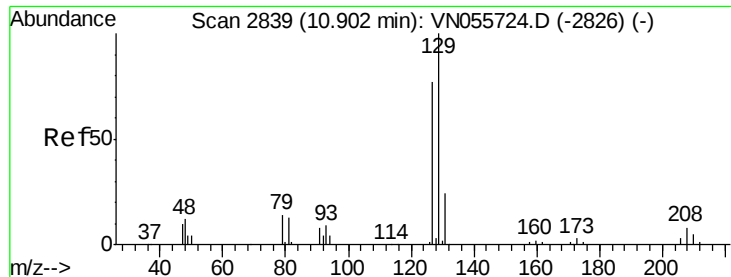
Tgt Ion: 76 Resp: 834778

Ion Ratio Lower Upper

76 100

78 32.2 0.0 65.0





#53

Dibromochloromethane

Concen: 165.927 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

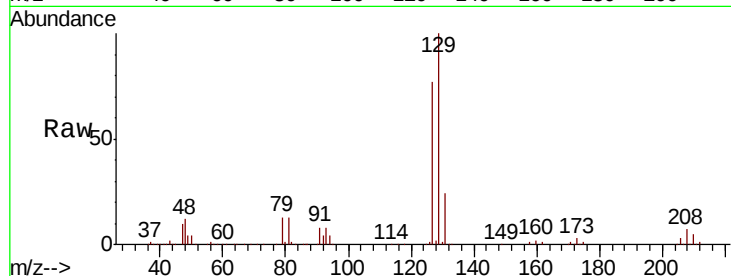
VSTDIC150

Tot Ion:129 Resp: 604494

Ion Ratio Lower Upper

129 100

127 76.7 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

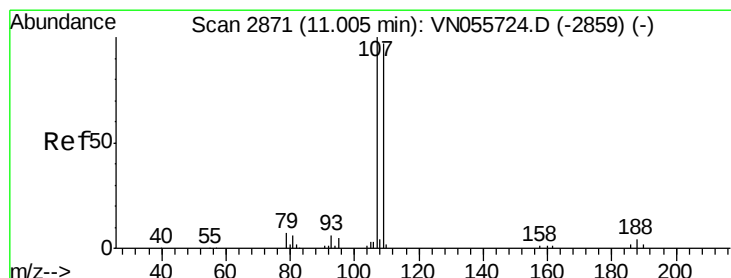
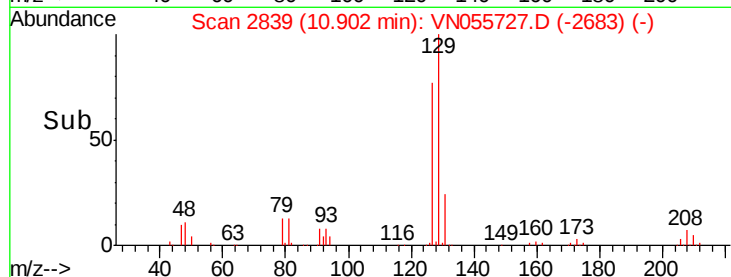
300000

200000

100000

0

Time-->



#54

1,2-Dibromoethane

Concen: 156.256 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055727.D

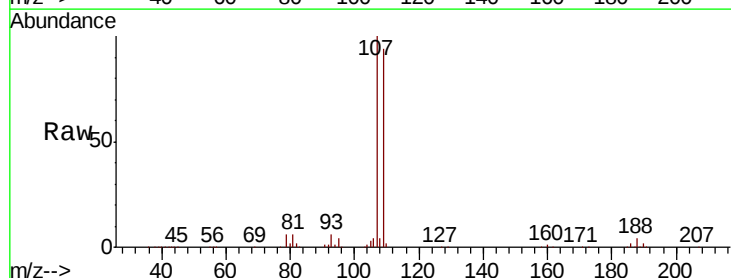
Acq: 22 May 2019 18:37

Tgt Ion:107 Resp: 526824

Ion Ratio Lower Upper

107 100

109 94.8 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

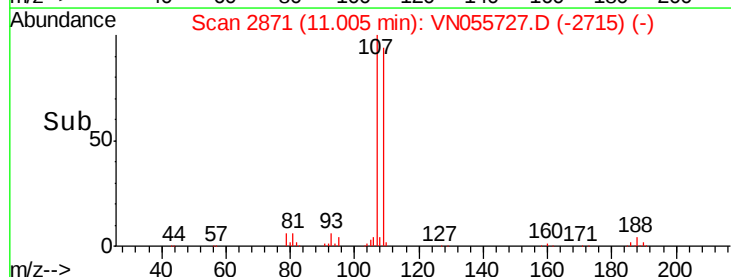
300000

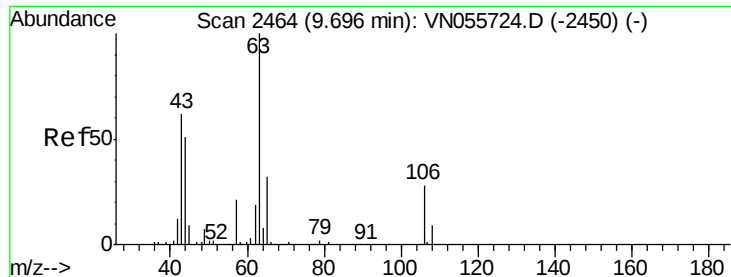
200000

100000

0

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 1092.679 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

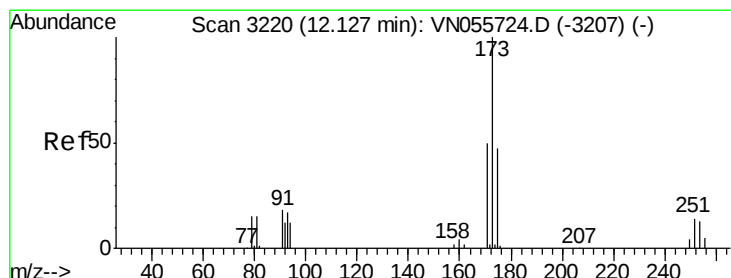
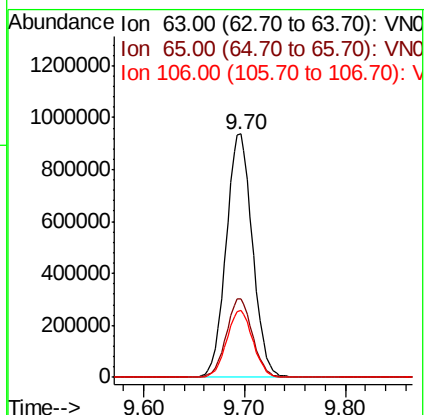
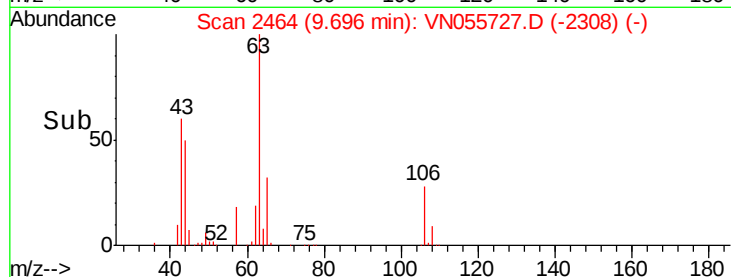
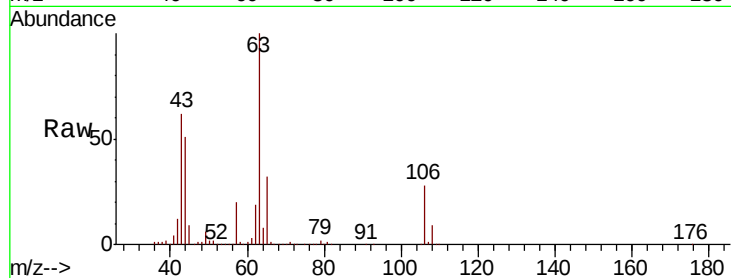
Tot Ion: 63 Resp: 1708315

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.0

106 27.4 22.1 33.1



#56

Bromoform

Concen: 196.566 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

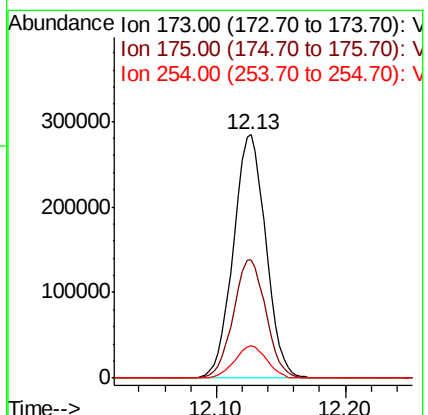
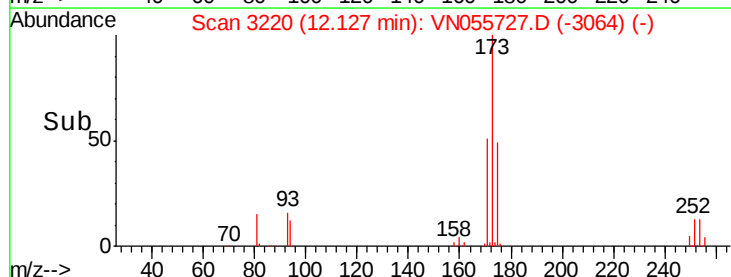
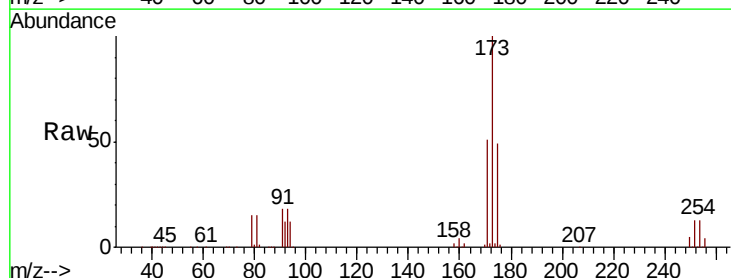
Tgt Ion: 173 Resp: 497176

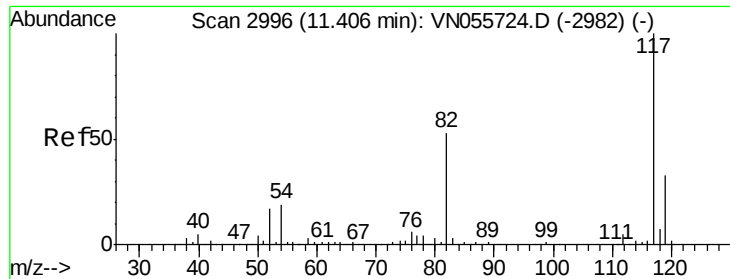
Ion Ratio Lower Upper

173 100

175 48.8 38.5 57.7

254 13.0 9.4 14.0

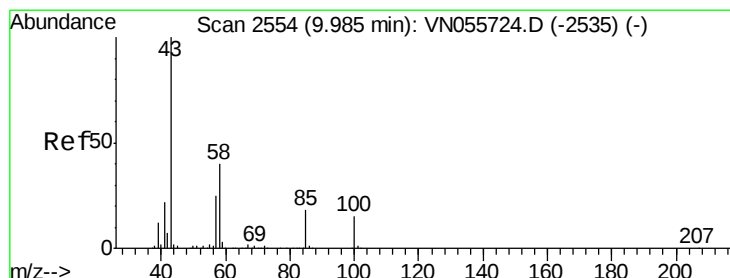
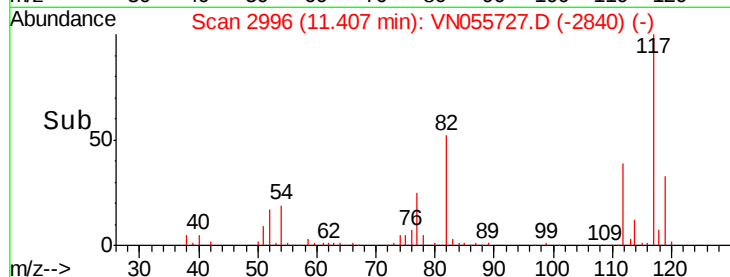
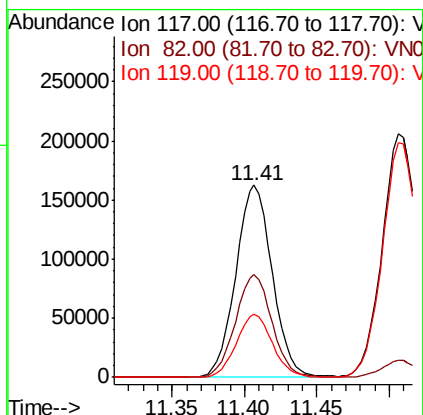
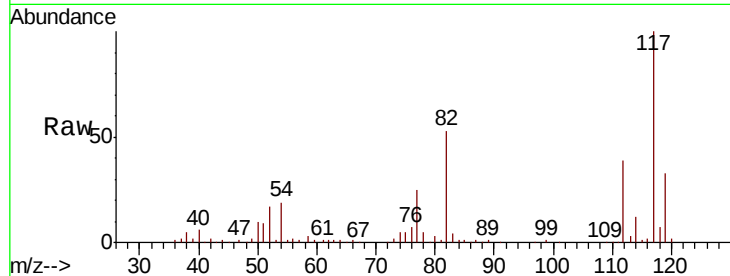




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

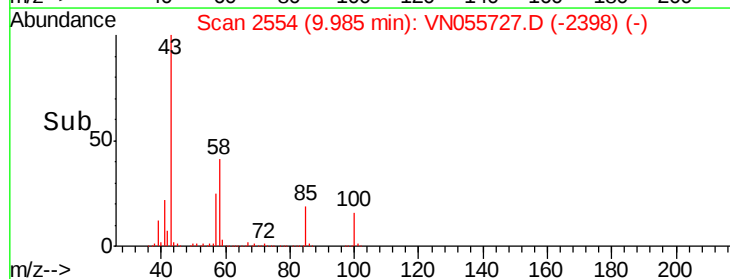
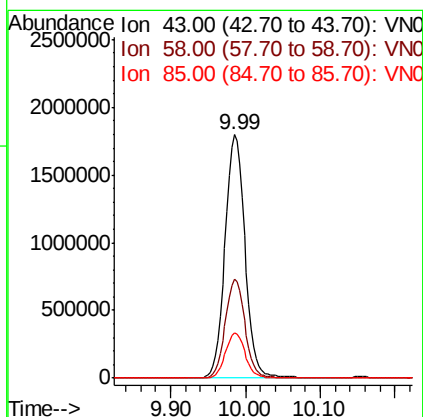
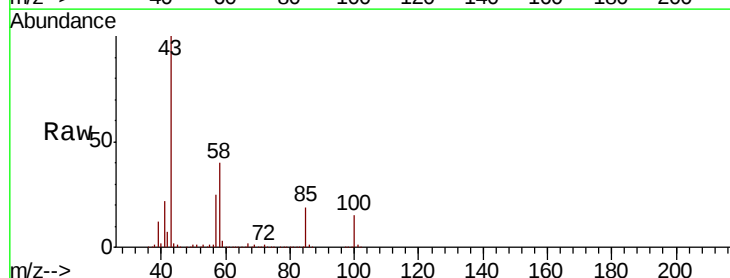
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

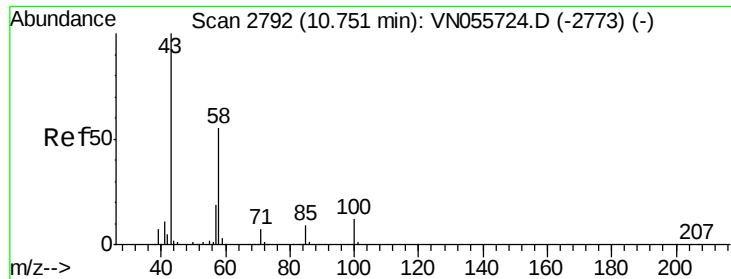
Tot Ion:117 Resp: 283902
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 32.4 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 736.719 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 43 Resp: 3318678
Ion Ratio Lower Upper
43 100
58 40.2 31.7 47.5
85 18.5 14.5 21.7

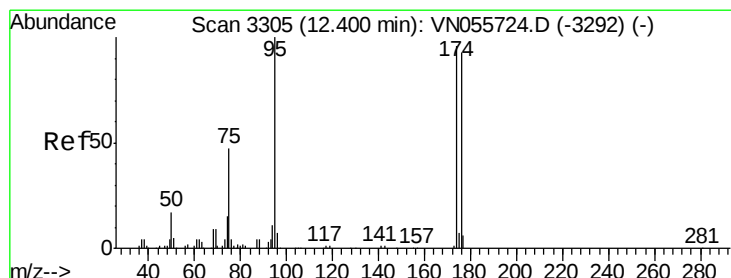
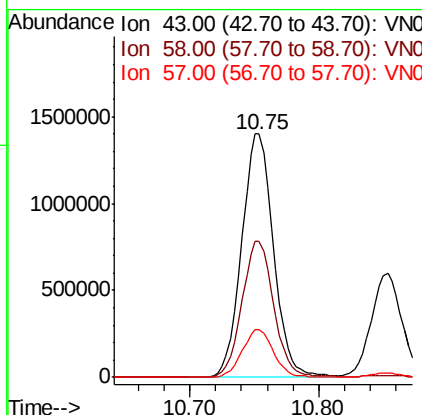
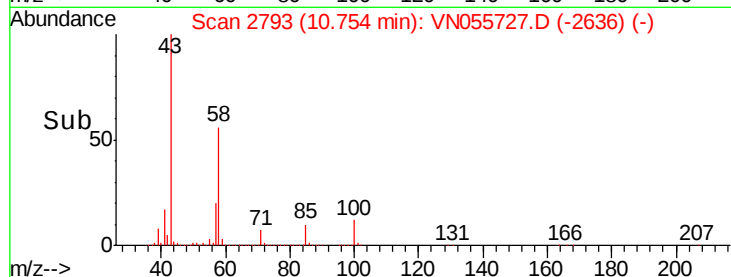
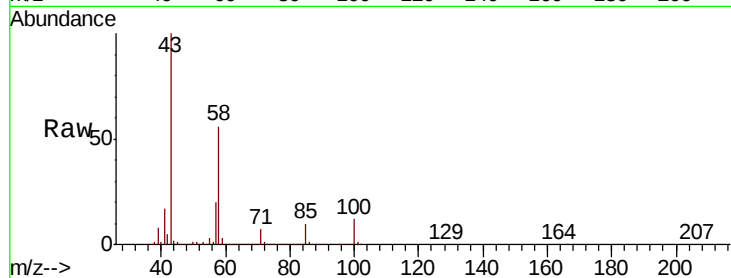




#59
2-Hexanone
Concen: 815.163 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

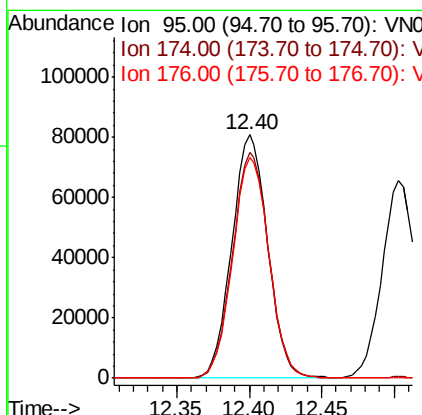
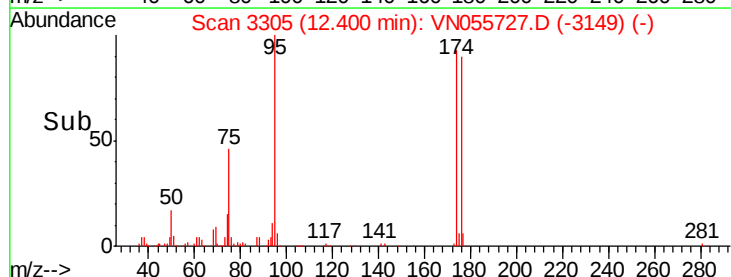
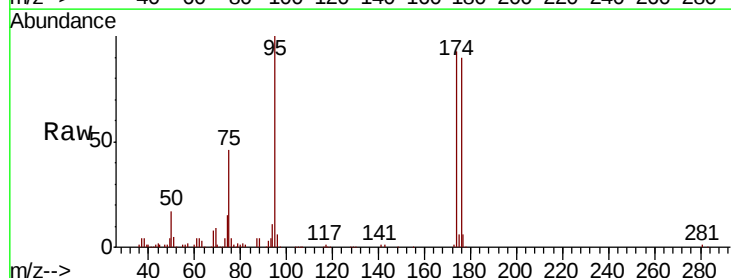
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

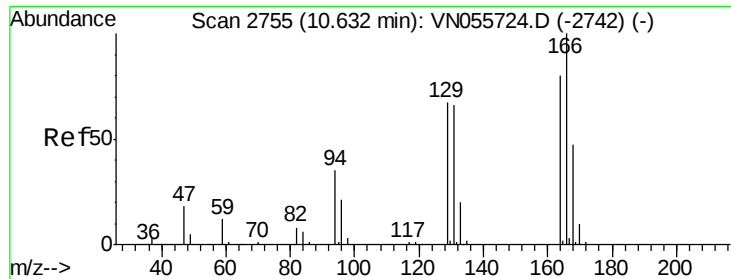
Tot Ion: 43 Resp: 2405367
Ion Ratio Lower Upper
43 100
58 56.0 44.8 67.2
57 19.5 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 31.679 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 95 Resp: 138920
Ion Ratio Lower Upper
95 100
174 93.5 75.7 113.5
176 91.8 74.1 111.1





#61

Tetrachloroethene

Concen: 146.952 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 544226

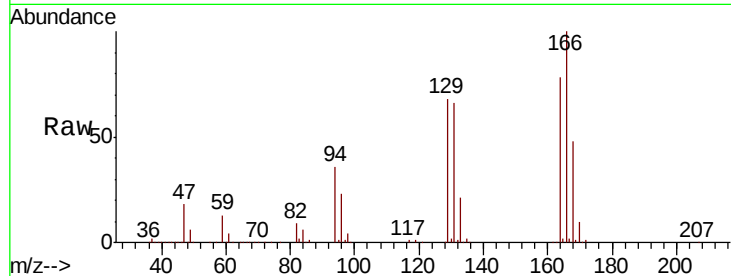
Ion Ratio Lower Upper

164 100

166 128.7 100.6 150.8

129 87.3 67.4 101.2

131 84.3 66.6 99.8

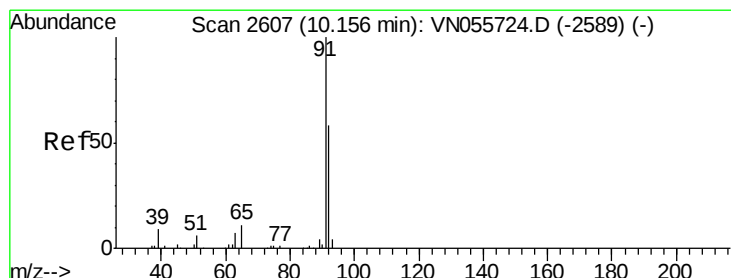
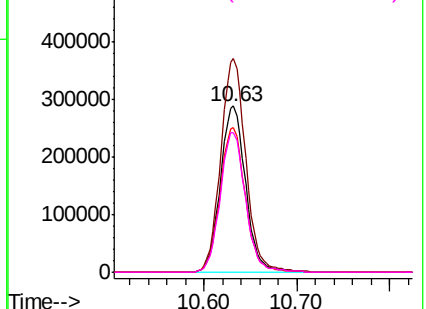
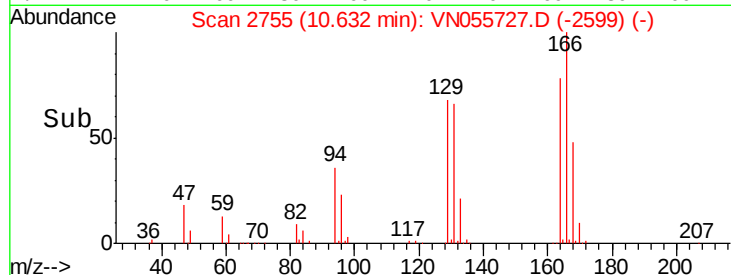


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 136.942 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055727.D

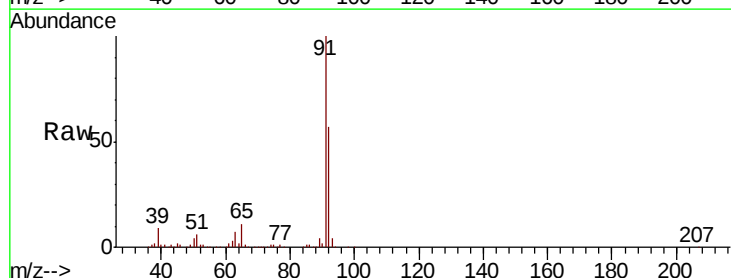
Acq: 22 May 2019 18:37

Tgt Ion: 91 Resp: 2183046

Ion Ratio Lower Upper

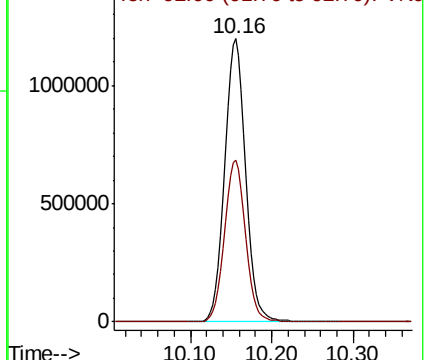
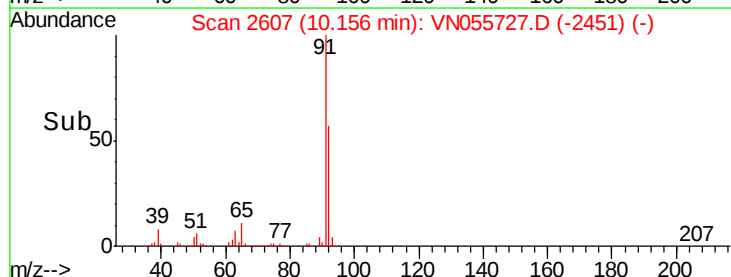
91 100

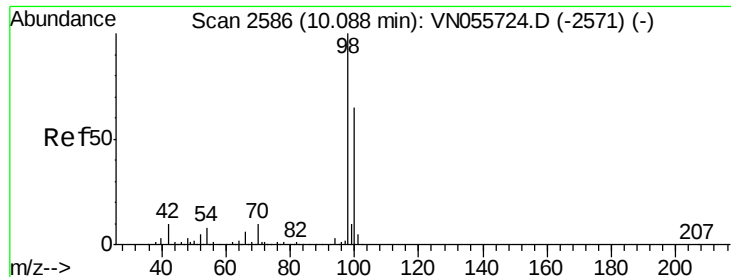
92 57.5 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 28.257 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

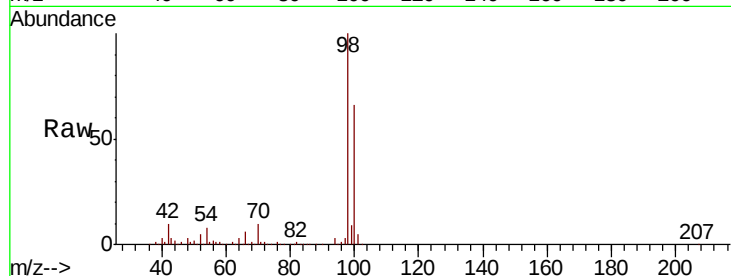
VSTDIC150

Tot Ion: 98 Resp: 378689

Ion Ratio Lower Upper

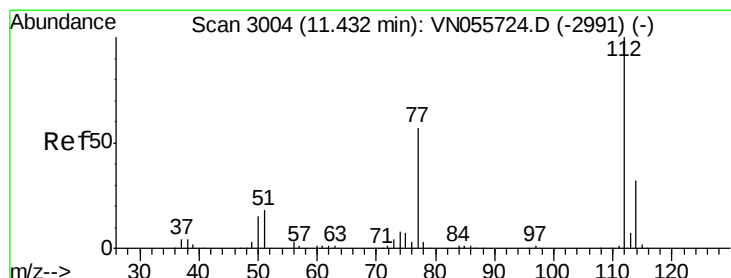
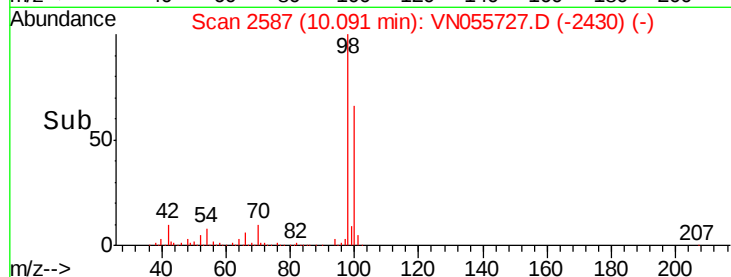
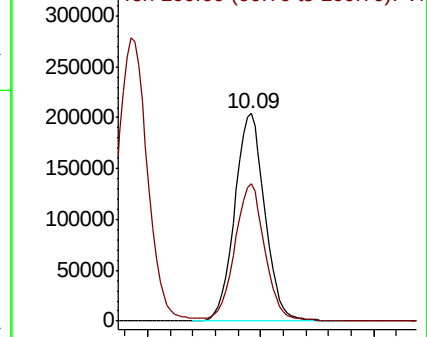
98 100

100 66.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 142.509 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055727.D

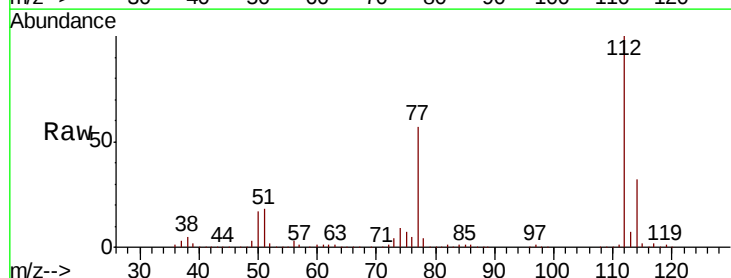
Acq: 22 May 2019 18:37

Tgt Ion: 112 Resp: 1352700

Ion Ratio Lower Upper

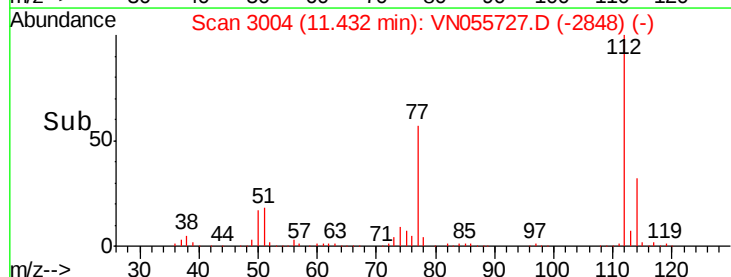
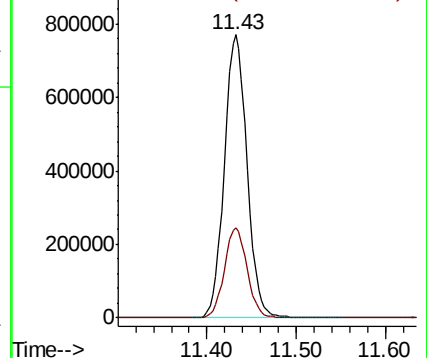
112 100

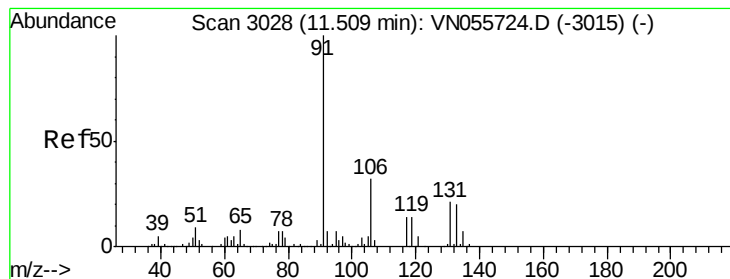
114 32.0 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 146.148 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

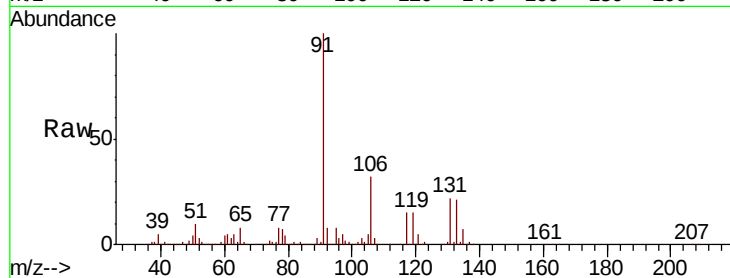
Tot Ion:131 Resp: 527480

Ion Ratio Lower Upper

131 100

133 95.2 0.0 188.8

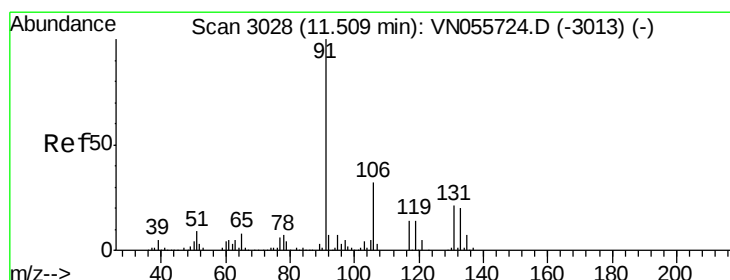
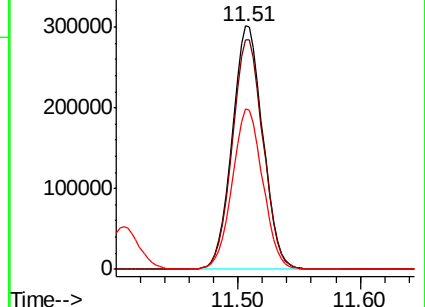
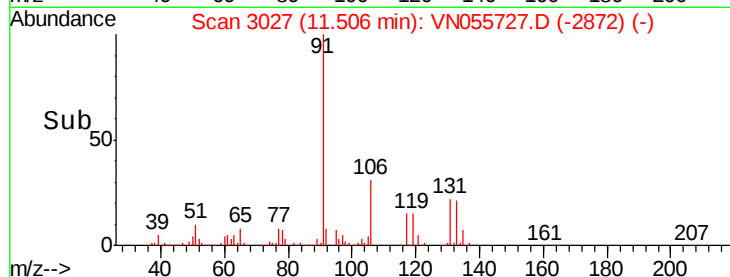
119 65.6 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 140.408 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055727.D

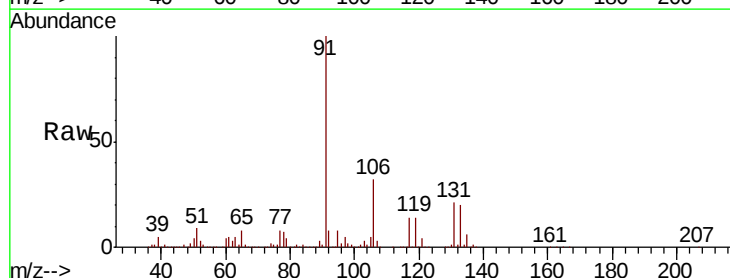
Acq: 22 May 2019 18:37

Tgt Ion: 91 Resp: 2400987

Ion Ratio Lower Upper

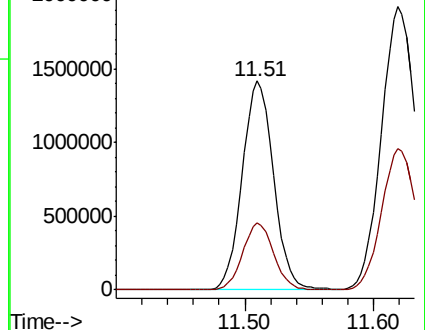
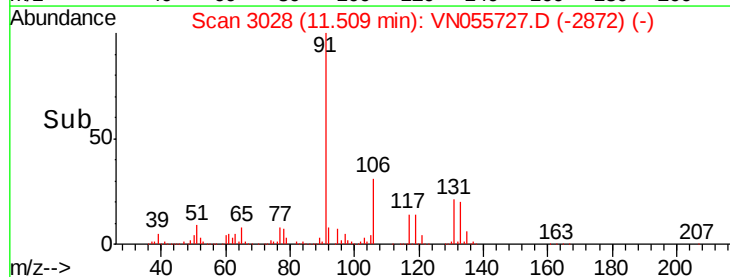
91 100

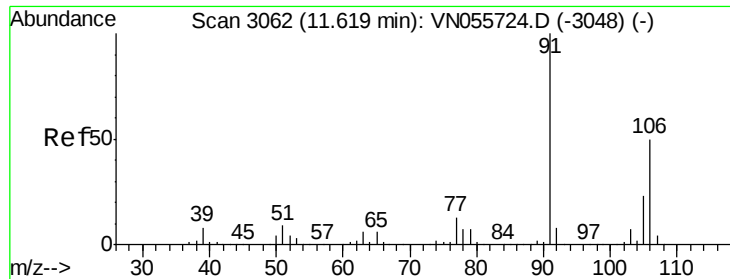
106 31.9 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

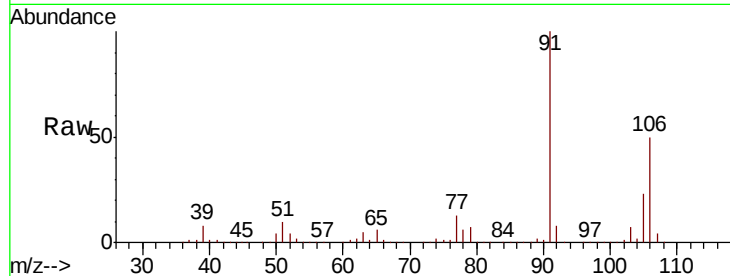




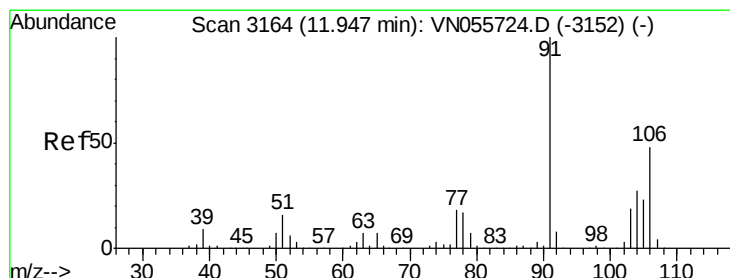
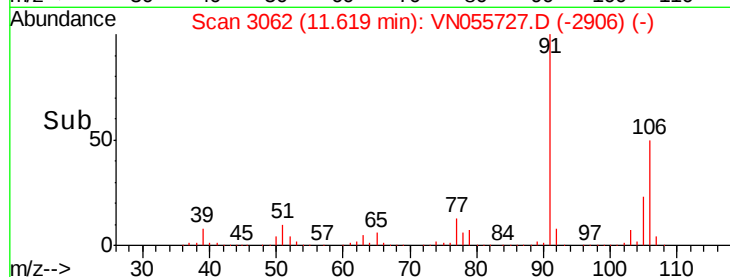
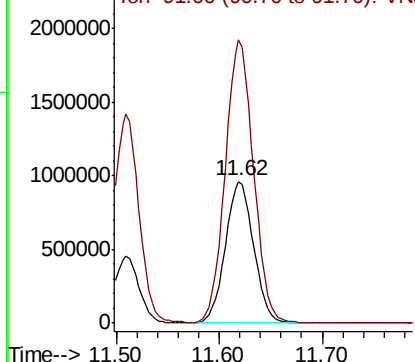
#67
m/p-Xvlenes
Concen: 291.932 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1833313
Ion Ratio Lower Upper
106 100
91 200.1 159.5 239.3

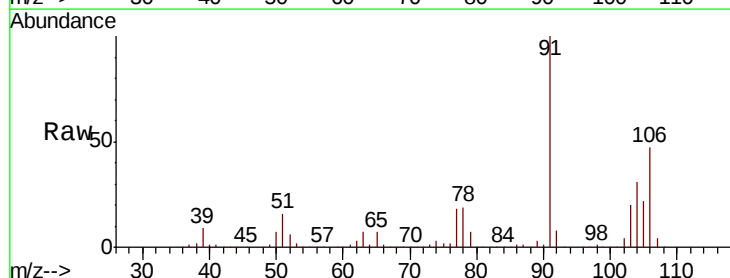


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

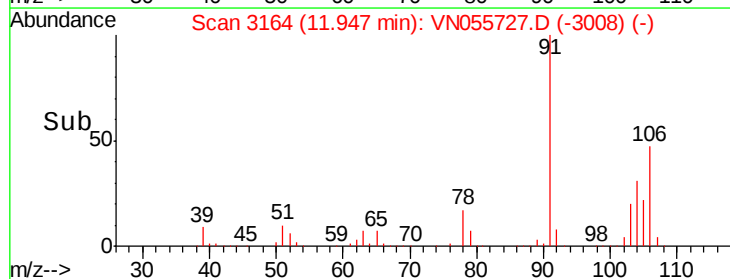
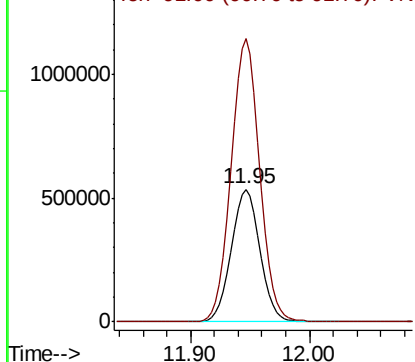


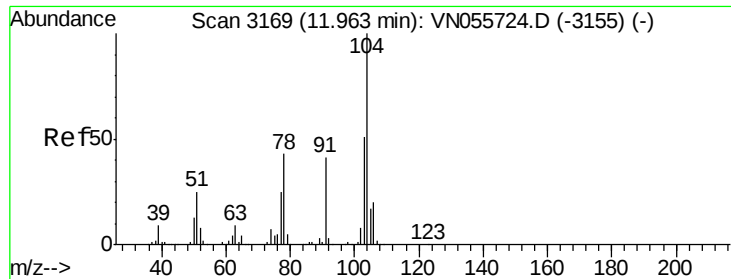
#68
o-Xylene
Concen: 143.330 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion:106 Resp: 894347
Ion Ratio Lower Upper
106 100
91 212.1 105.4 316.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

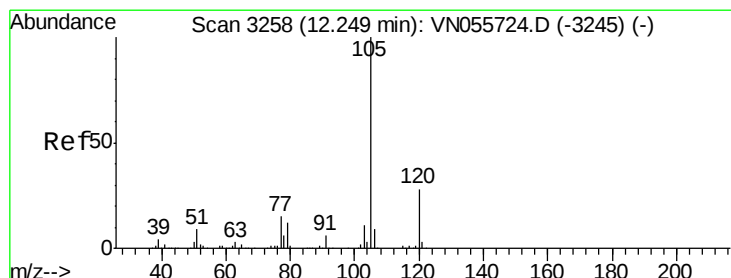
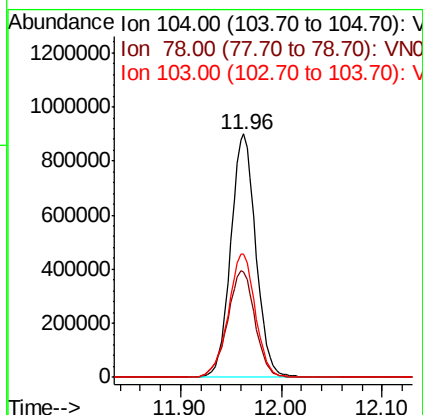
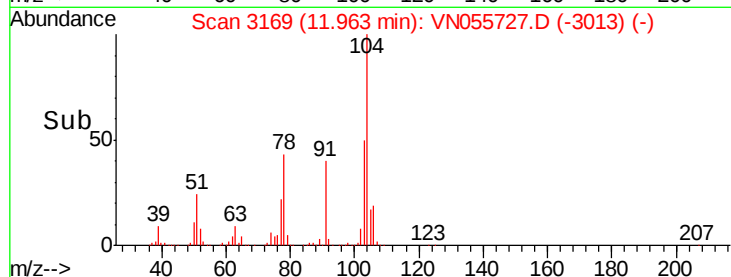
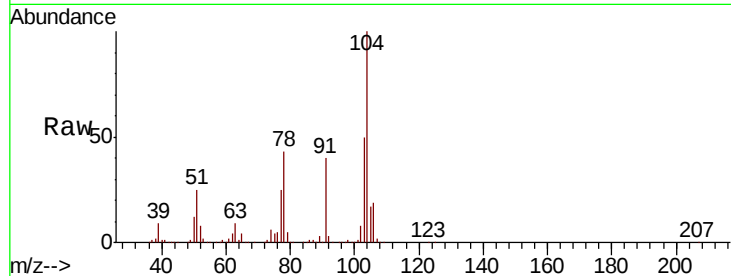




#69
Stvrene
Concen: 157.944 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

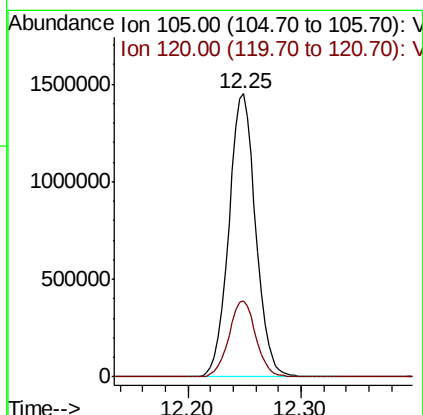
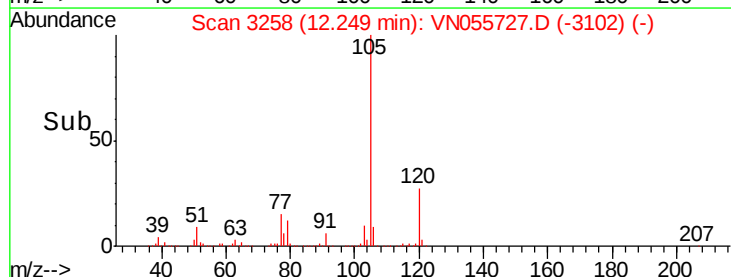
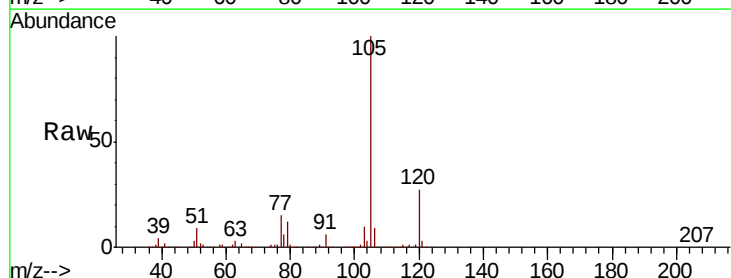
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

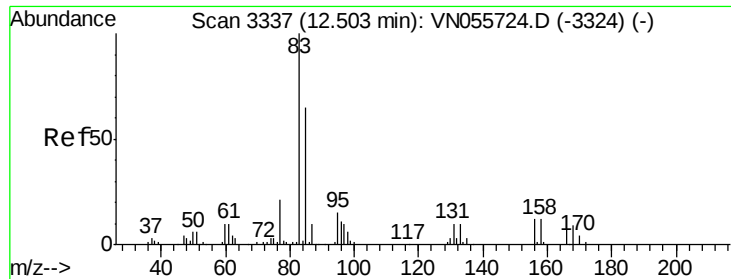
Tot Ion:104 Resp: 1555867
Ion Ratio Lower Upper
104 100
78 48.0 38.7 58.1
103 54.9 45.0 67.6



#70
Isopropylbenzene
Concen: 145.192 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion:105 Resp: 2384042
Ion Ratio Lower Upper
105 100
120 27.0 19.2 35.6

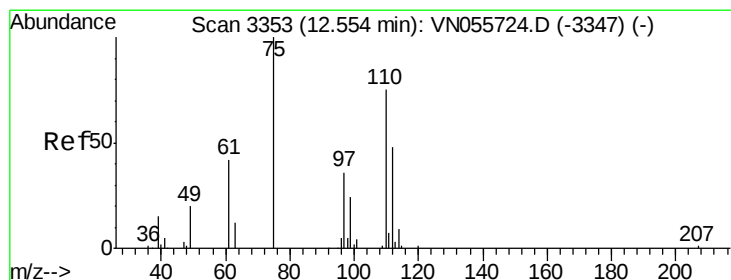
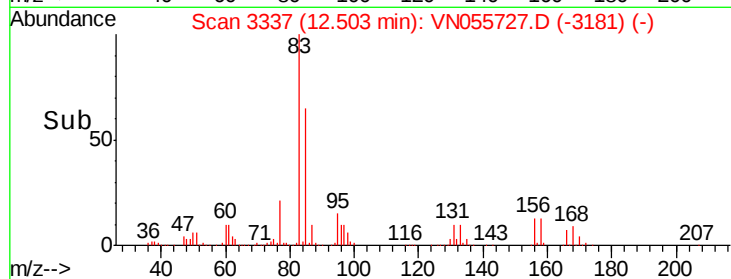
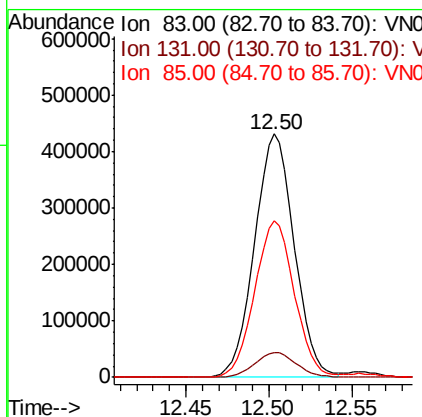
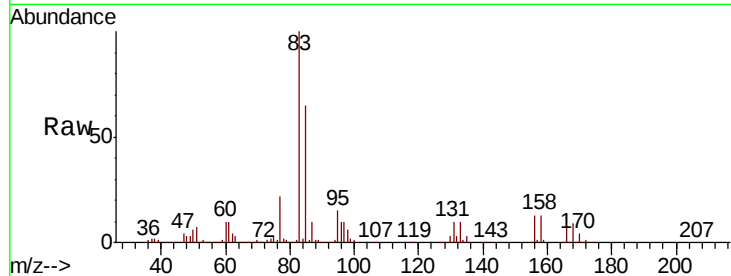




#71
 1,1,2,2-Tetrachloroethane
 Concen: 154.319 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

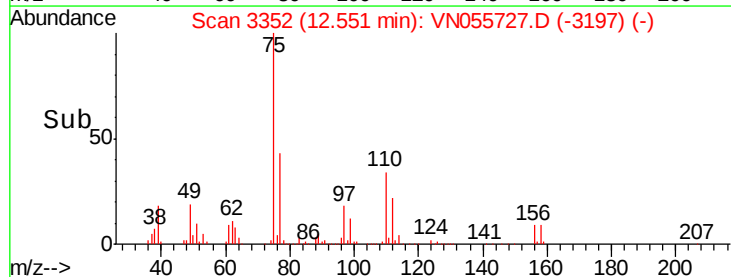
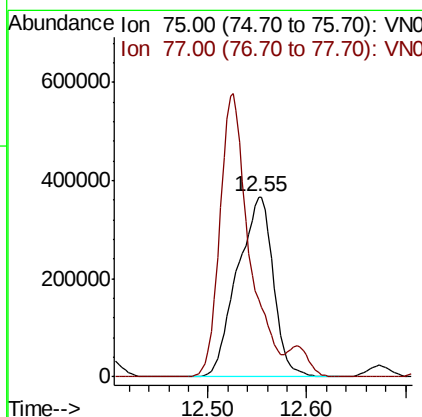
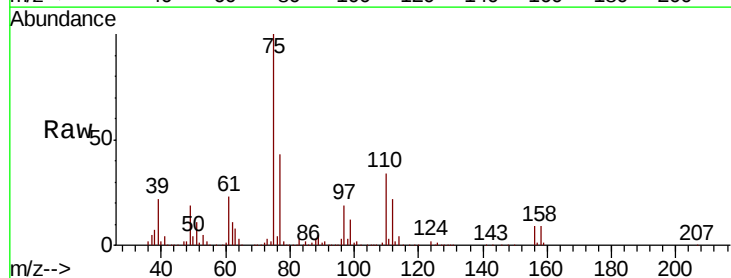
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

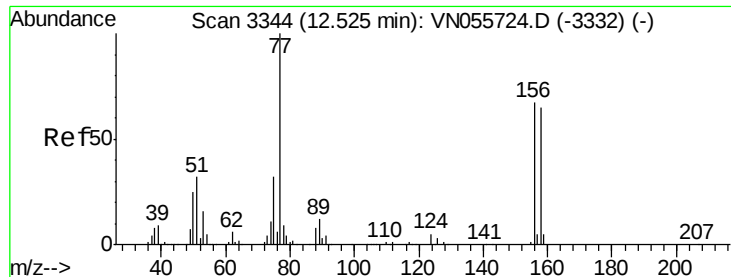
Tot Ion	83	Resp	719823
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.4	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 228.016 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion	75	Resp	929309
Ion Ratio	Lower	Upper	
75	100		
77	129.9	0.0	349.8





#73

Bromobenzene

Concen: 164.664 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

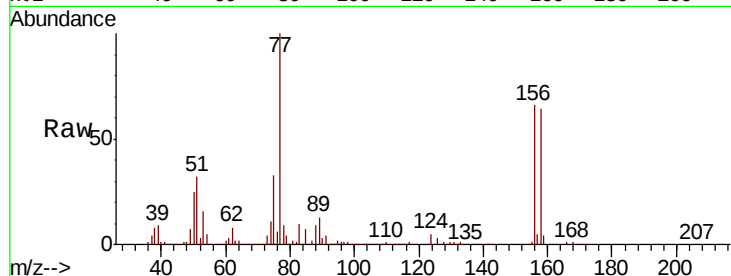
Tot Ion:156 Resp: 659076

Ion Ratio Lower Upper

156 100

77 183.1 0.0 368.0

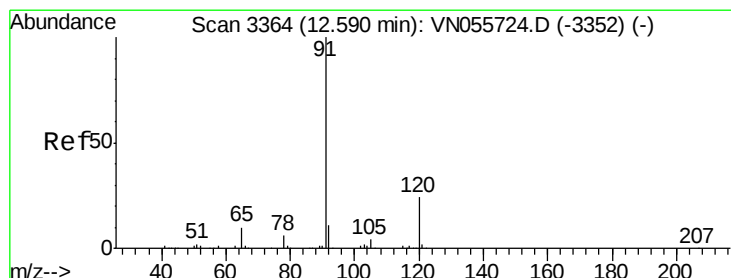
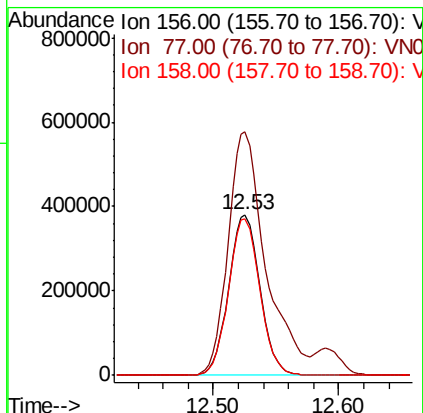
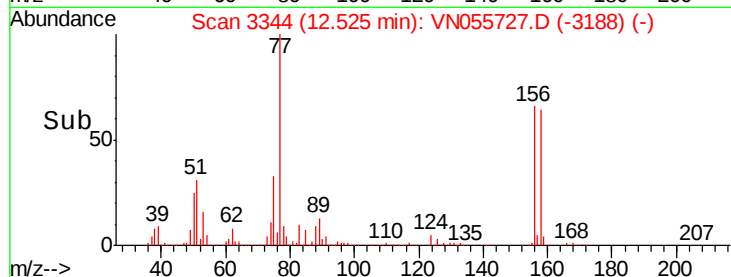
158 97.6 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 149.124 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055727.D

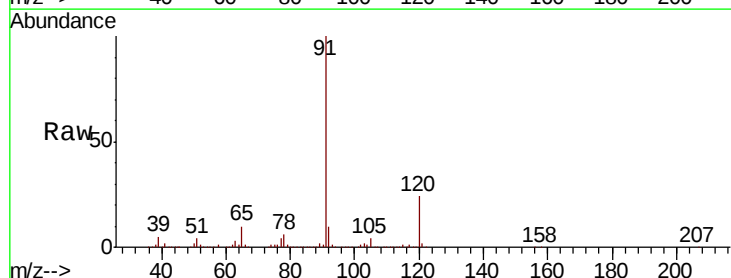
Acq: 22 May 2019 18:37

Tgt Ion: 91 Resp: 2715751

Ion Ratio Lower Upper

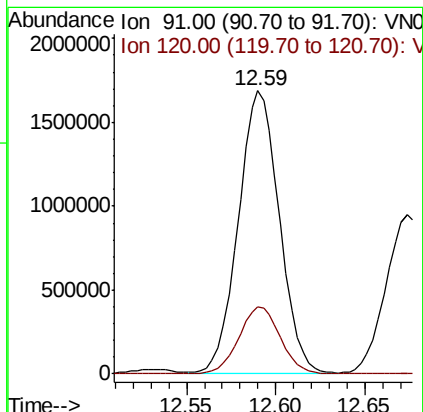
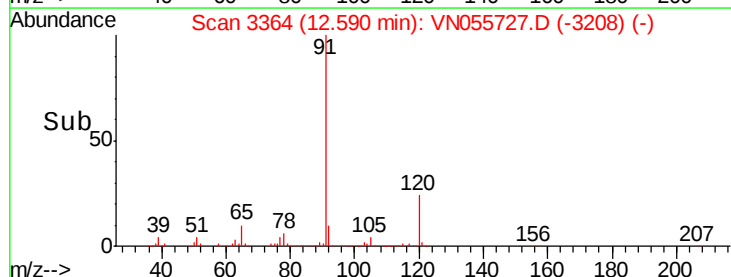
91 100

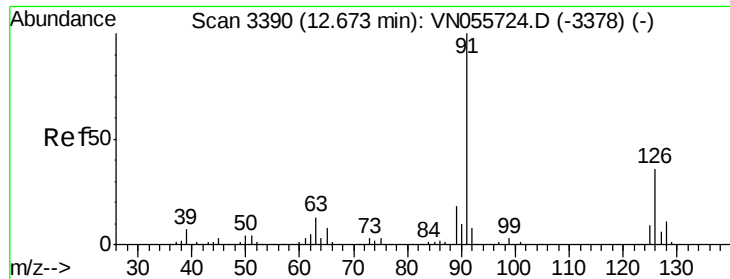
120 23.7 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 143.365 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

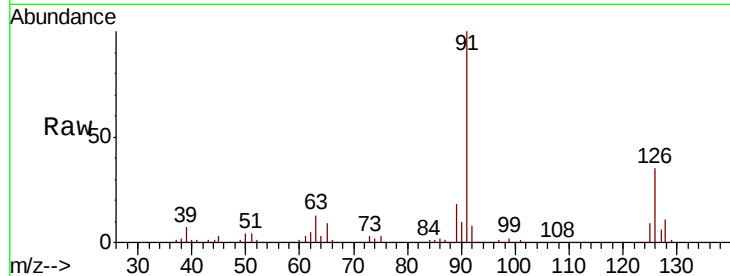
VSTDIC150

Tot Ion: 91 Resp: 1602532

Ion Ratio Lower Upper

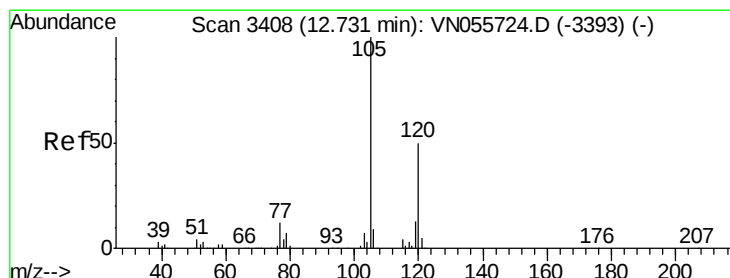
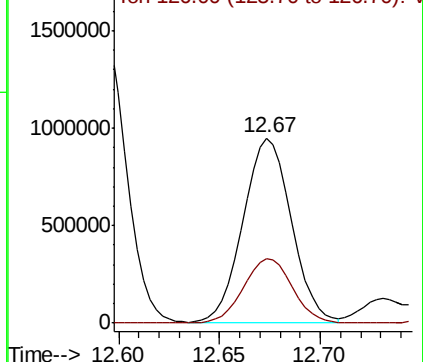
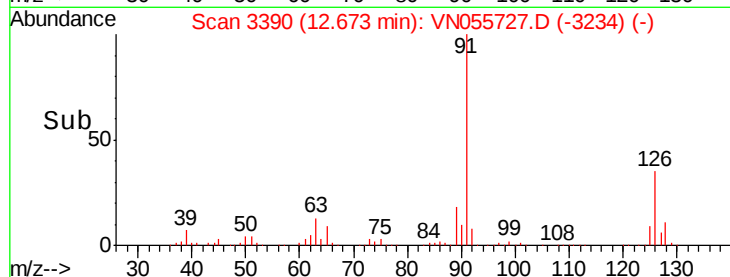
91 100

126 35.2 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055727.D (-3234) (-)

Ion 126.00 (125.70 to 126.70): VN055727.D (-3234) (-)



#76

1,3,5-Trimethylbenzene

Concen: 145.316 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055727.D

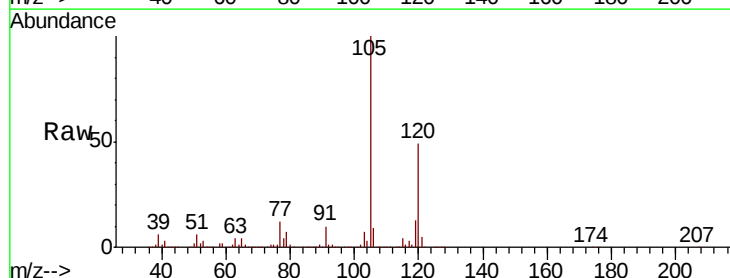
Acq: 22 May 2019 18:37

Tgt Ion:105 Resp: 1968640

Ion Ratio Lower Upper

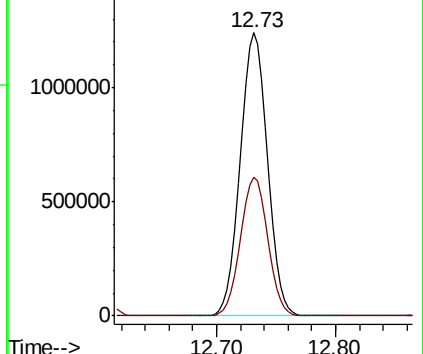
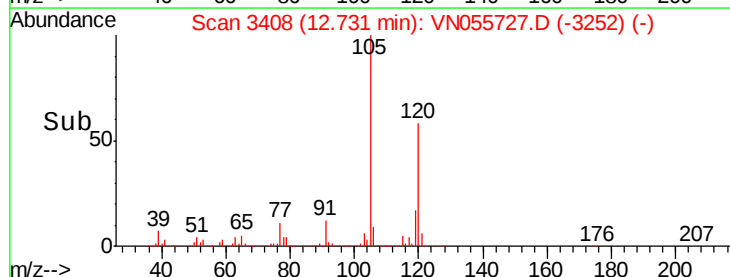
105 100

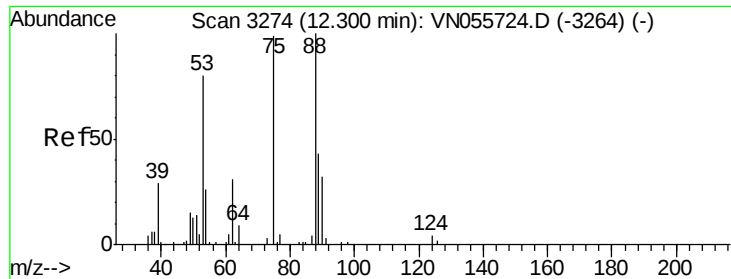
120 49.2 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055727.D (-3252) (-)

Ion 120.00 (119.70 to 120.70): VN055727.D (-3252) (-)

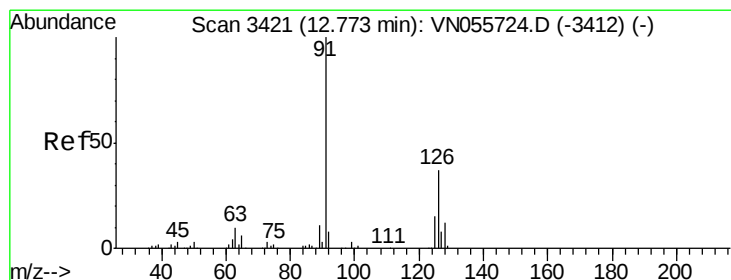
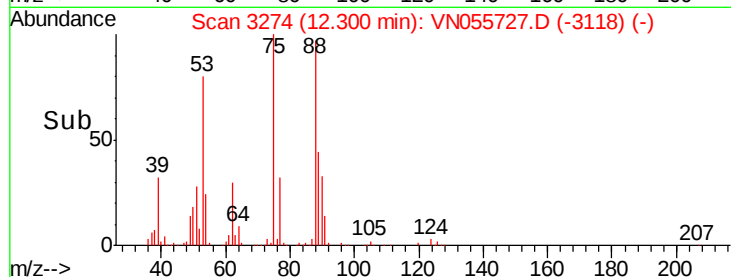
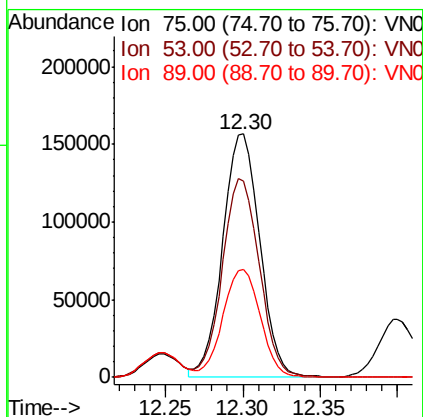
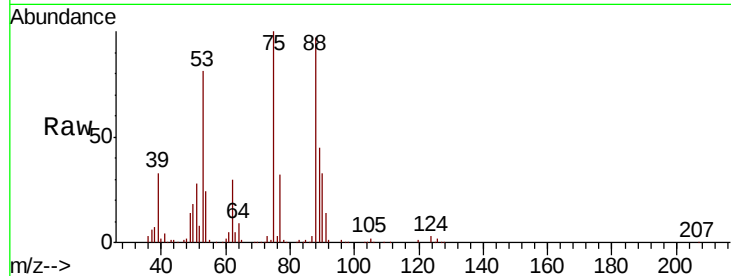




#77
t-1,4-Dichloro-2-butene
Concen: 218.026 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

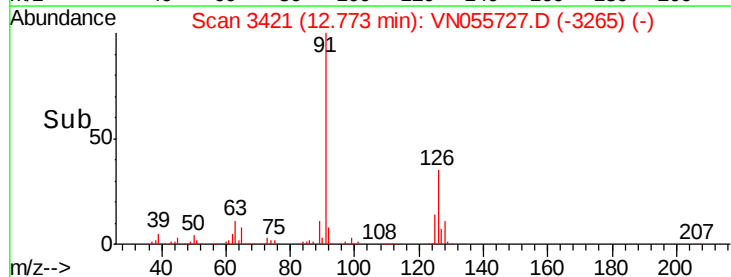
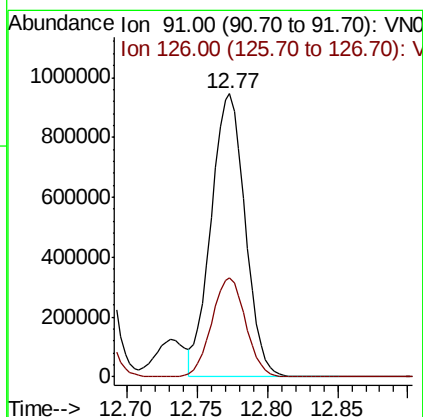
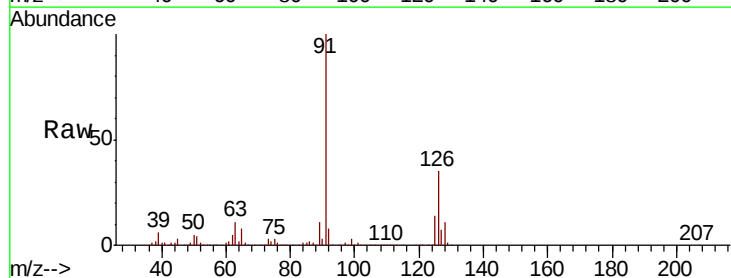
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

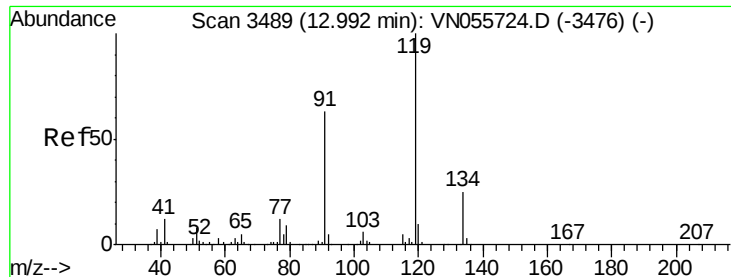
Tot Ion: 75 Resp: 261370
Ion Ratio Lower Upper
75 100
53 80.5 40.1 120.3
89 44.6 22.6 67.8



#78
4-Chlorotoluene
Concen: 149.196 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 91 Resp: 1581029
Ion Ratio Lower Upper
91 100
126 34.9 0.0 69.0

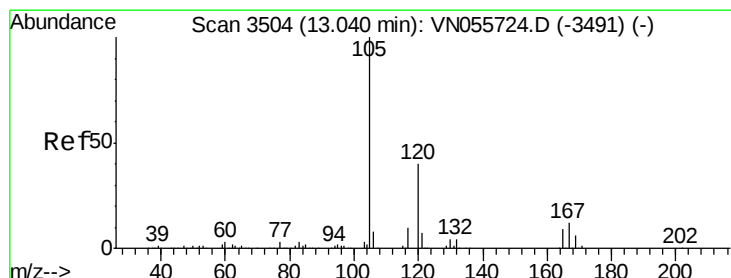
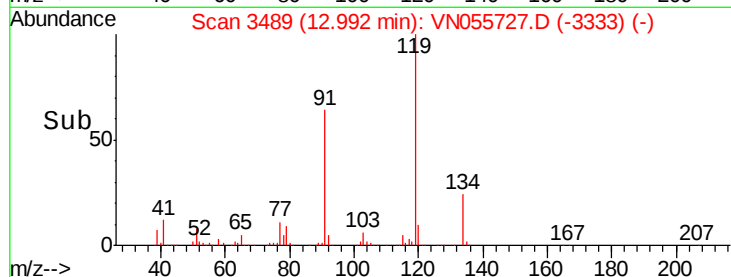
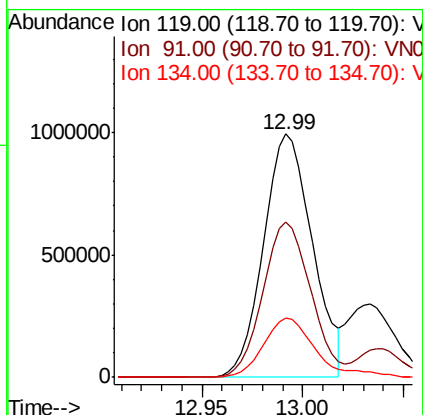
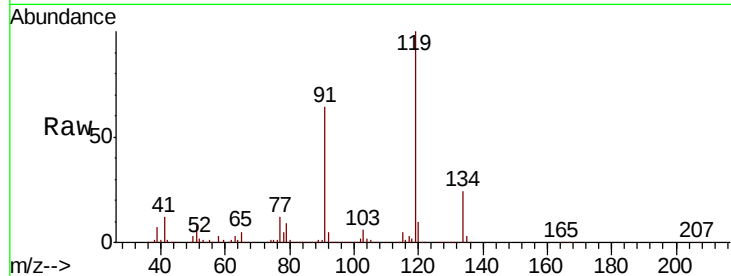




#79
tert-butylbenzene
Concen: 142.787 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

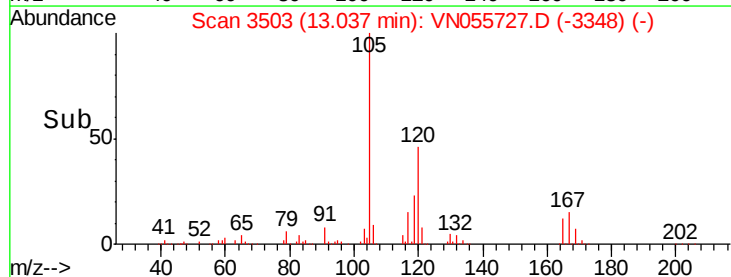
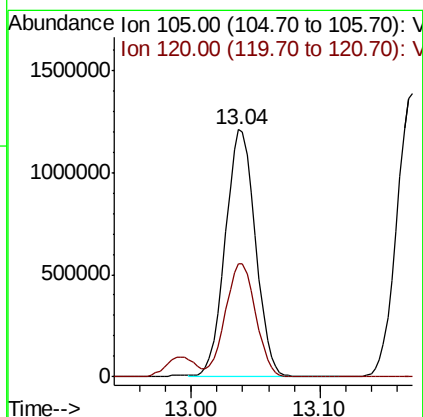
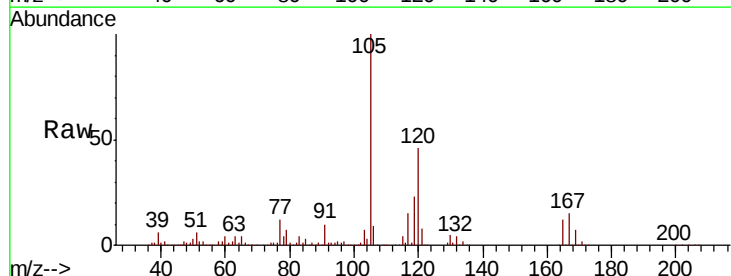
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

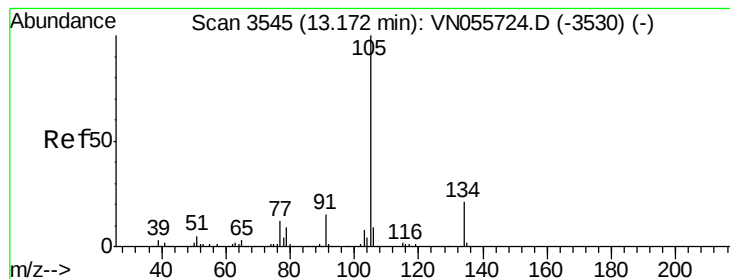
Tot Ion:119 Resp: 1673215
Ion Ratio Lower Upper
119 100
91 62.5 0.0 123.8
134 26.1 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 149.693 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion:105 Resp: 1957315
Ion Ratio Lower Upper
105 100
120 46.1 0.0 93.6





#81

sec-Butylbenzene

Concen: 144.111 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

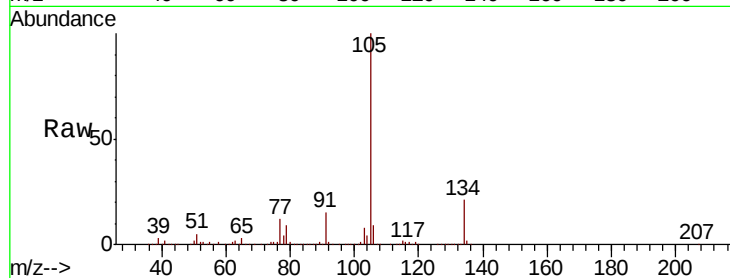
VSTDIC150

Tot Ion:105 Resp: 2210792

Ion Ratio Lower Upper

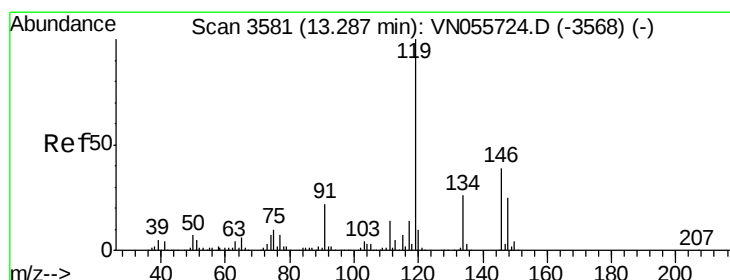
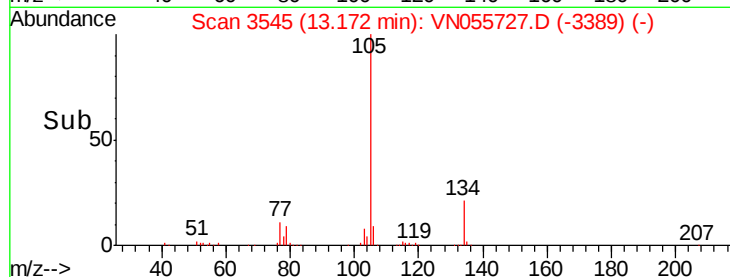
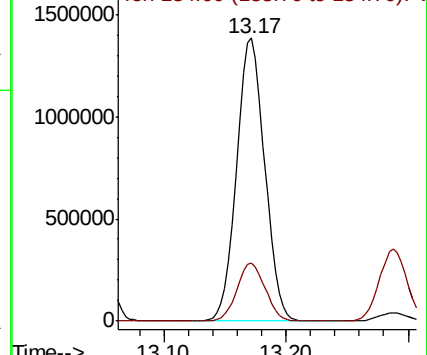
105 100

134 20.6 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 159.344 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

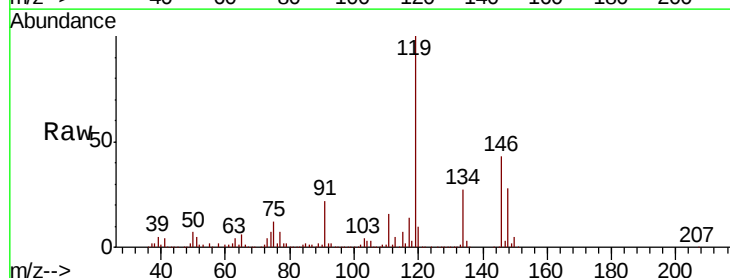
Tgt Ion:119 Resp: 2075494

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.0

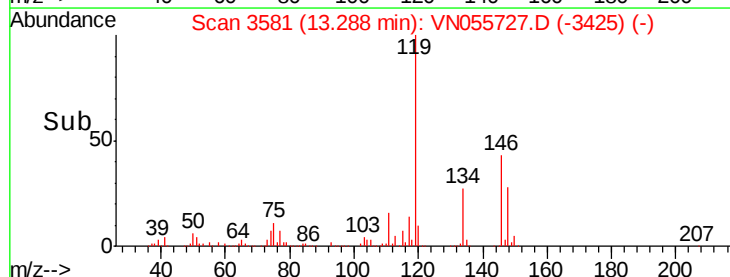
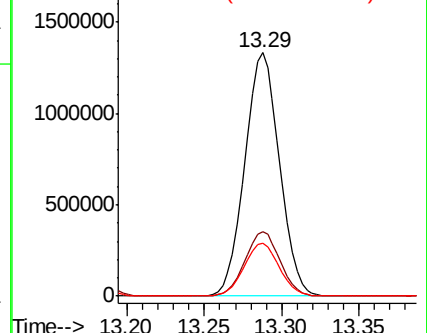
91 22.0 0.0 44.4

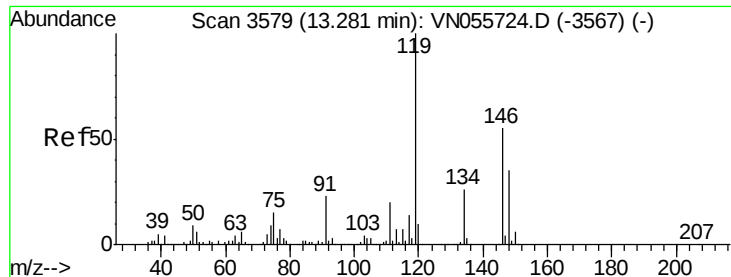


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

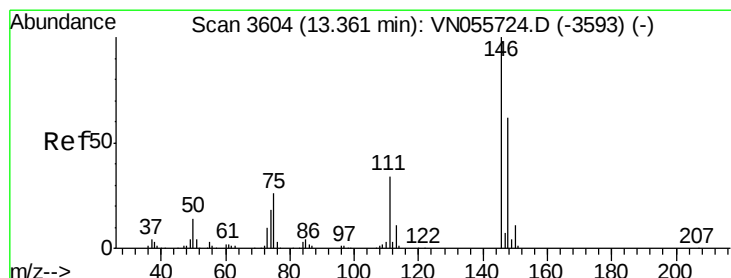
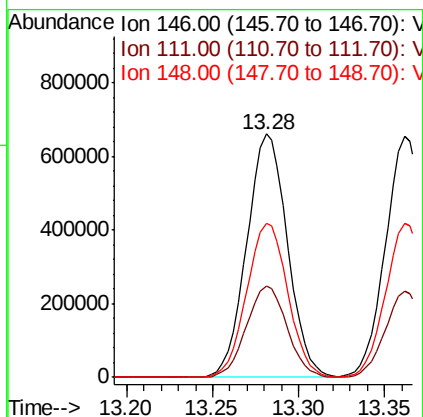
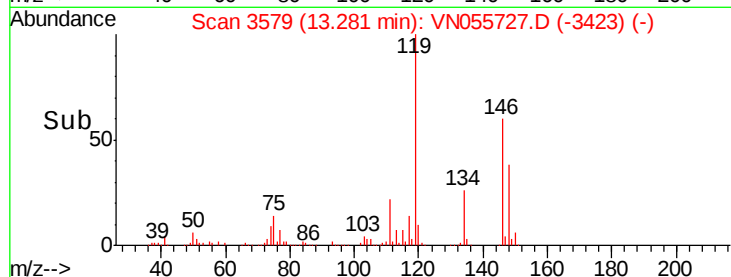
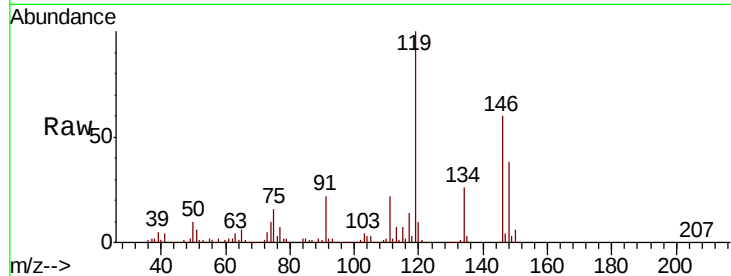




#83
 1,3-Dichlorobenzene
 Concen: 167.938 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

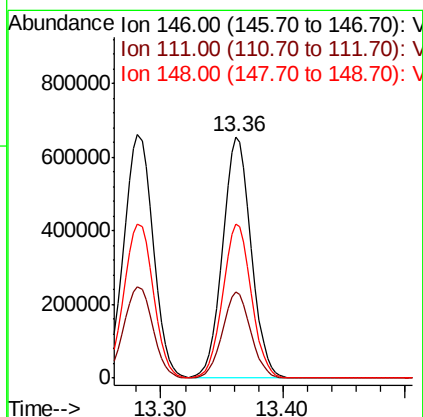
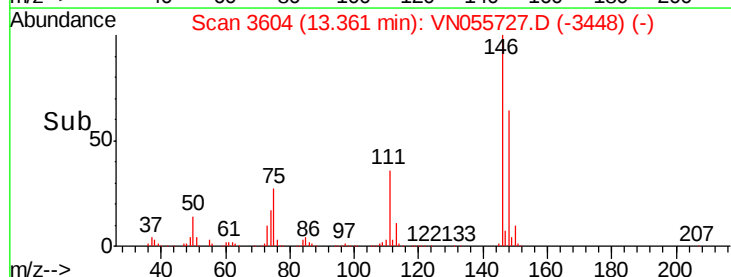
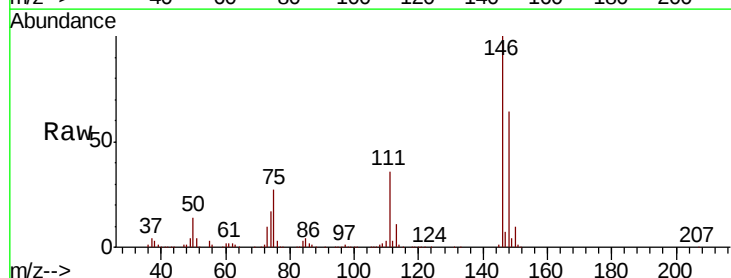
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

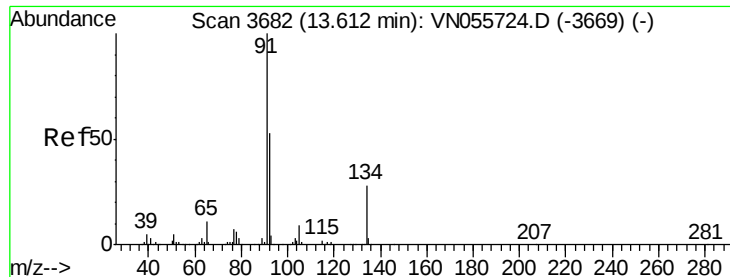
Tot Ion:146 Resp: 1085356
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.6
 148 63.9 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 175.869 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion:146 Resp: 1072113
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.5 52.6
 148 64.2 31.8 95.4

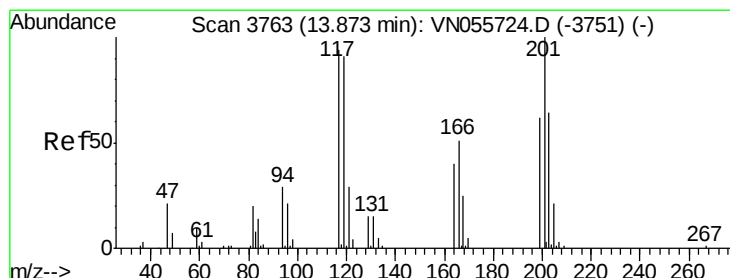
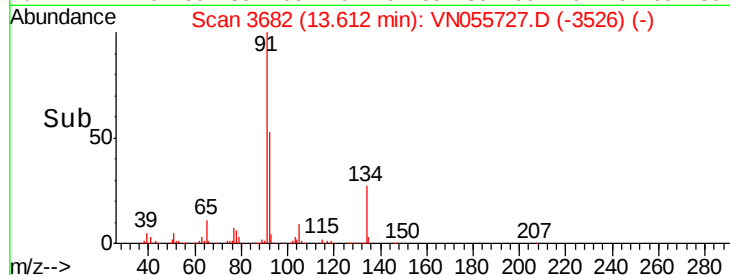
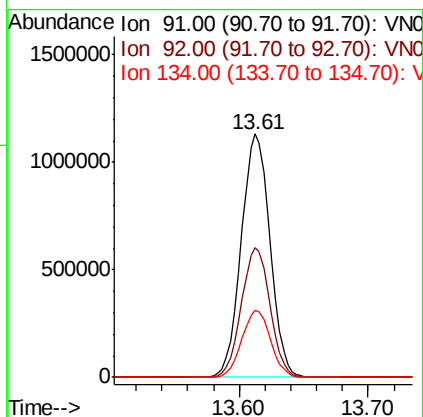
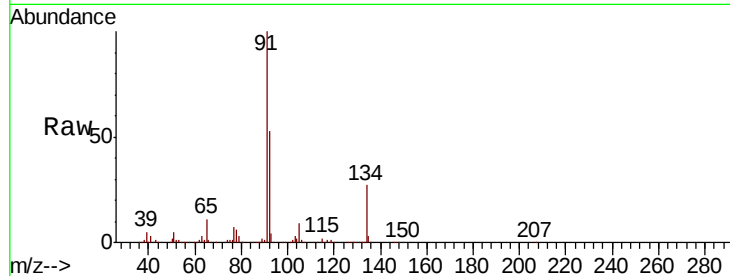




#85
n-Butylbenzene
Concen: 174.617 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

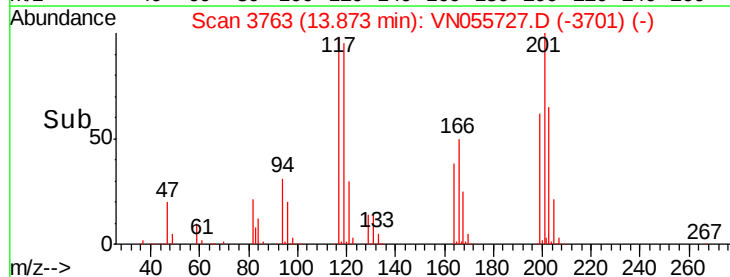
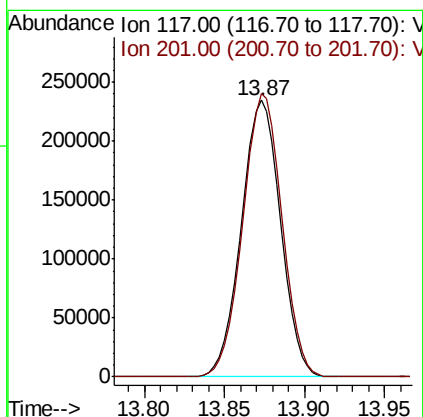
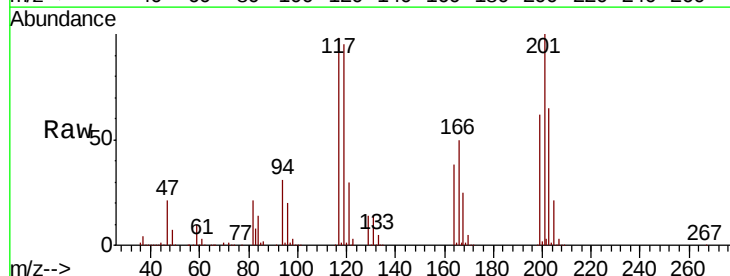
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

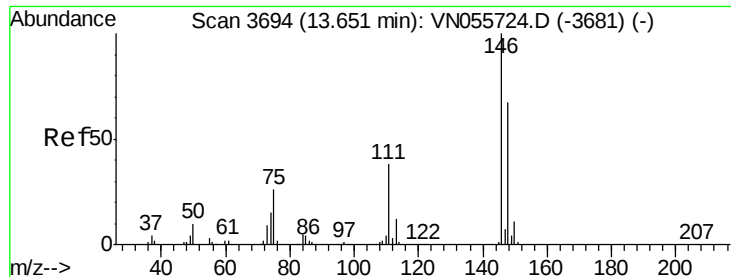
Tot Ion: 91 Resp: 1750910
Ion Ratio Lower Upper
91 100
92 53.2 0.0 106.8
134 27.5 0.0 55.2



#86
Hexachloroethane
Concen: 169.264 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055727.D
Acq: 22 May 2019 18:37

Tgt Ion: 117 Resp: 392311
Ion Ratio Lower Upper
117 100
201 102.2 52.5 157.6

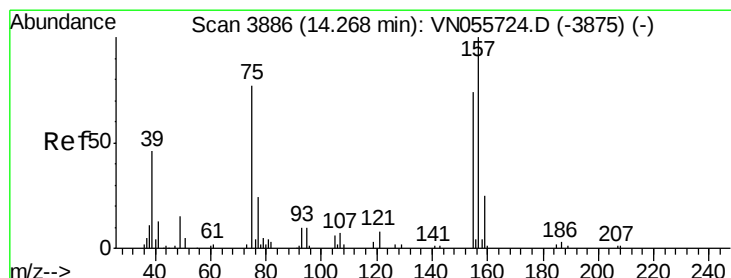
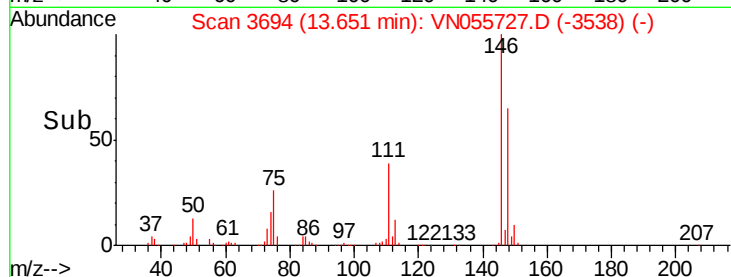
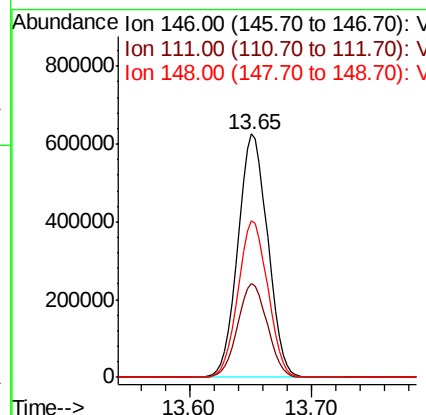
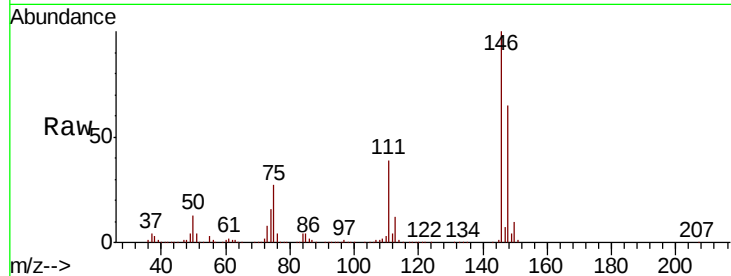




#87
 1,2-Dichlorobenzene
 Concen: 163.294 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

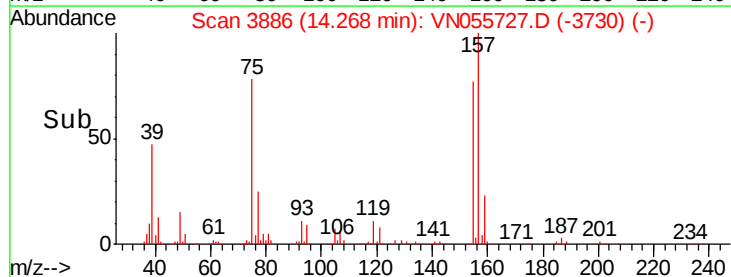
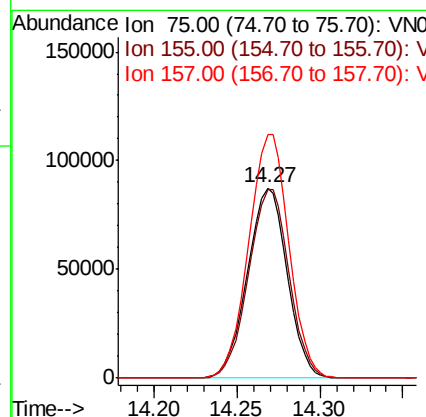
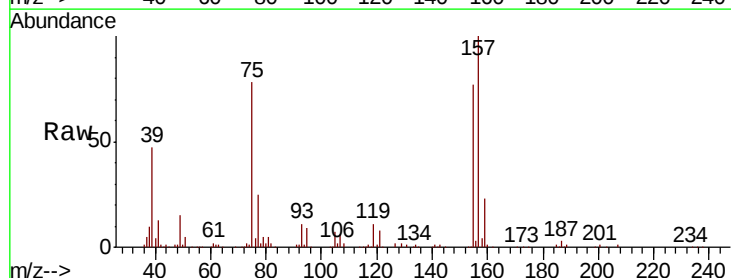
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

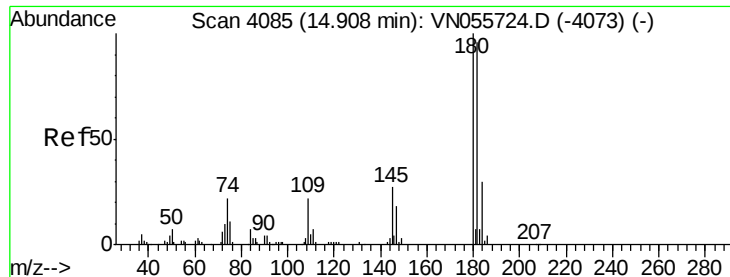
Tot Ion:146 Resp: 1056820
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.2 57.6
 148 64.3 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 199.101 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion: 75 Resp: 146170
 Ion Ratio Lower Upper
 75 100
 155 100.8 78.4 117.6
 157 129.3 105.0 157.4

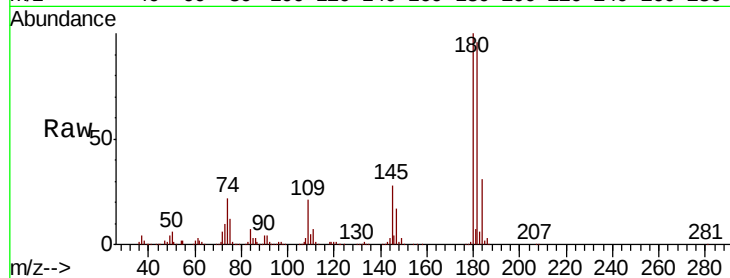




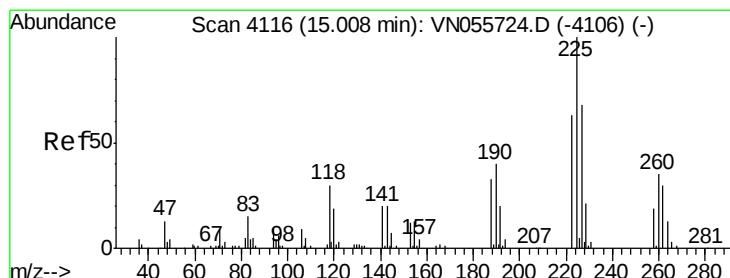
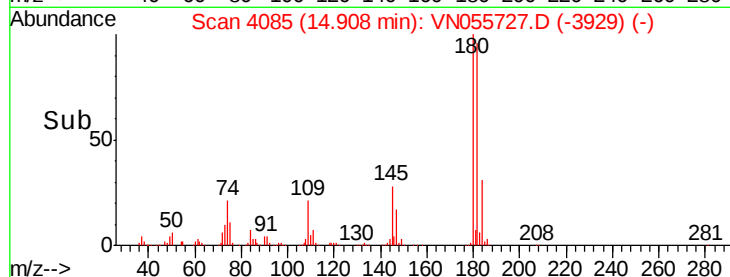
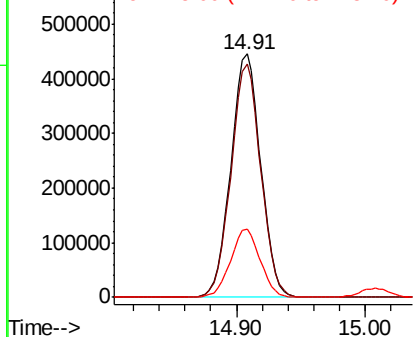
#89
 1,2,4-Trichlorobenzene
 Concen: 260.253 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	27.8	21.8	32.8

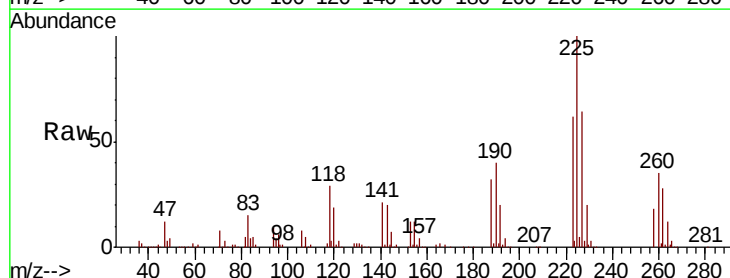


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

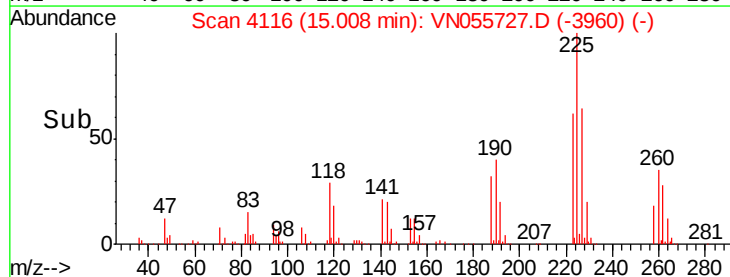
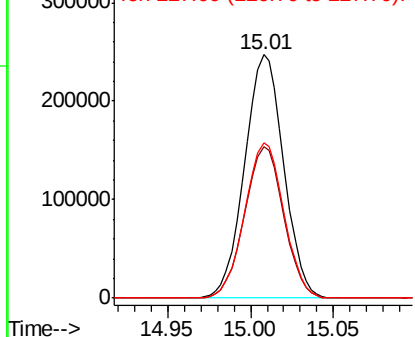


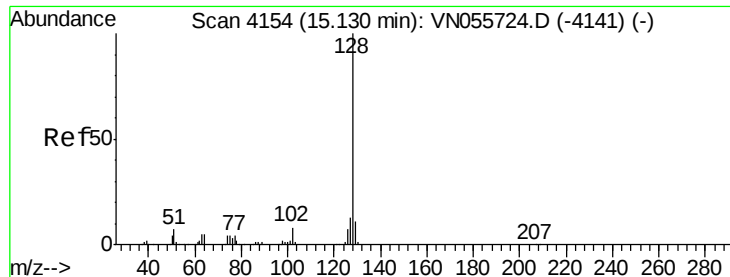
#90
 Hexachlorobutadiene
 Concen: 178.324 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055727.D
 Acq: 22 May 2019 18:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	126.0
227	64.0	0.0	133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 281.016 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Instrument :

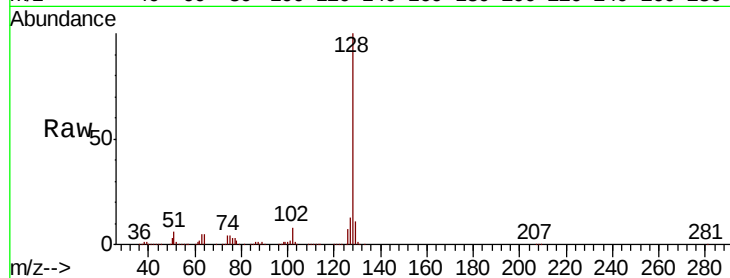
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1886437

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	10.9	8.7	13.1

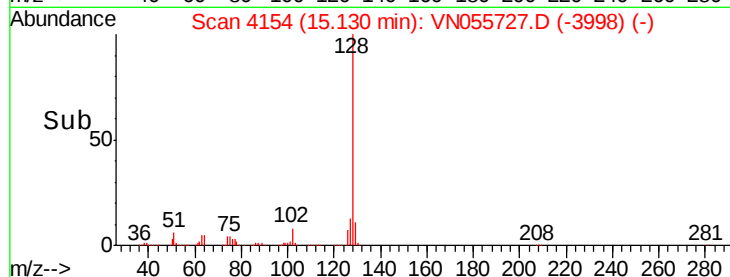


Abundance

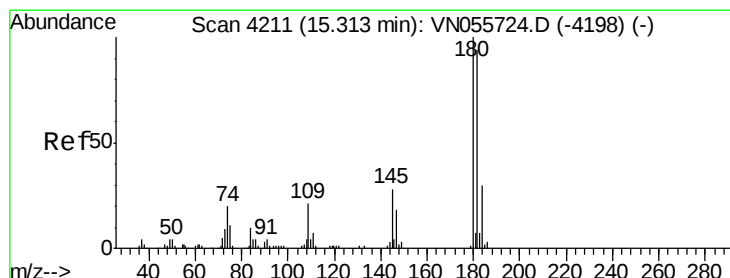
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#92

1,2,3-Trichlorobenzene

Concen: 243.455 ug/l

RT: 15.31 min Scan# 4211

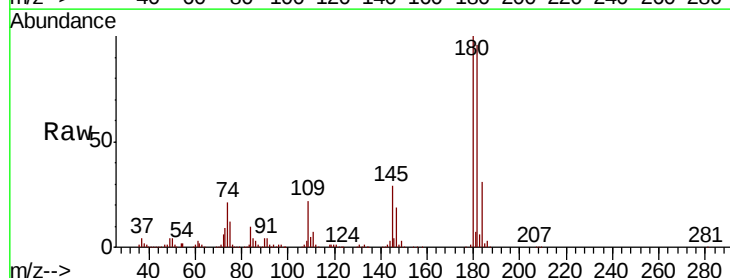
Delta R.T. 0.00 min

Lab File: VN055727.D

Acq: 22 May 2019 18:37

Tgt Ion:180 Resp: 703359

Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	188.6
145	29.4	0.0	56.8

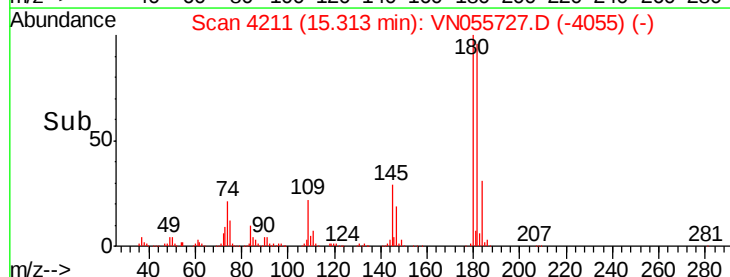


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->