

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055725.D
 Acq On : 22 May 2019 17:47
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: May 23 05:36:49 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	58537	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	320703	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	282227	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	114548	25.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.57%
60) 4-Bromofluorobenzene	12.40	95	131441	30.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.50%
63) Toluene-d8	10.09	98	385920	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	121490	39.562	ug/l 98
3) Chloromethane	2.06	50	173778	40.029	ug/l 98
4) Vinyl Chloride	2.19	62	182920	49.883	ug/l 99
5) Bromomethane	2.54	94	104594	50.054	ug/l 100
6) Chloroethane	2.69	64	109229	52.623	ug/l 96
7) Trichlorofluoromethane	3.01	101	227855	43.622	ug/l 99
8) Diethyl Ether	3.40	74	102716	47.360	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	145864	43.910	ug/l 99
10) 1,1-Dichloroethene	3.72	96	151762	47.928	ug/l 99
11) Methyl Iodide	3.94	142	220043	44.992	ug/l 98
12) Methyl Acetate	4.33	43	180176	40.726	ug/l 99
13) Acrolein	3.60	56	126254	470.952	ug/l 98
14) Acrylonitrile	4.99	53	429559	260.072	ug/l 100
15) Acetone	3.82	58	131360	309.709	ug/l 99
16) Carbon Disulfide	4.04	76	432947	49.368	ug/l 100
17) Allyl chloride	4.31	41	275730	41.438	ug/l 98
18) Methylene Chloride	4.54	84	172951	44.860	ug/l 99
19) trans-1,2-Dichloroethene	5.03	96	163277	47.463	ug/l 98
20) Diisopropyl ether	5.96	45	531123	40.085	ug/l 96
21) 1,1-Dichloroethane	5.84	63	302573	43.141	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	190781	47.575	ug/l 99
23) tert-Butyl Alcohol	4.81	59	187019	407.282	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	518975	49.784	ug/l 99
25) Chloroform	7.37	83	299254	45.013	ug/l 100
26) Cyclohexane	7.65	56	278459	44.934	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	226740	45.598	ug/l 98
30) 2-Butanone	6.84	43	601407	283.139	ug/l 100
31) 2,2-Dichloropropane	6.82	77	257777	52.389	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	264552	47.306	ug/l 100
33) Carbon Tetrachloride	7.77	117	235791	49.556	ug/l 99
34) Benzene	8.04	78	694264	46.438	ug/l # 94
35) Methacrylonitrile	7.17	41	112435	49.517	ug/l 99
36) 1,2-Dichloroethane	8.12	62	225275	42.982	ug/l 100
37) Trichloroethene	8.83	130	192695	50.051	ug/l 98
38) Methylcyclohexane	9.08	83	280439	51.049	ug/l 99
39) 1,2-Dichloropropane	9.12	63	187593	44.445	ug/l 97
40) Dibromomethane	9.21	93	120376	48.514	ug/l 97

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 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	245210	47.907	ug/l	99
42) Vinyl Acetate	5.90	43	2334131	237.735	ug/l	100
43) Ethyl Acetate	6.93	43	229520	52.385	ug/l #	100
44) Isopropyl Acetate	8.17	43	393270	50.414	ug/l #	87
45) 1,4-Dioxane	9.20	88	73260	1567.706	ug/l	96
46) Methyl methacrylate	9.20	41	182230	49.492	ug/l	99
47) n-amyl Acetate	12.07	43	321547	55.068	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	277375	53.639	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	300615	50.808	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	173315	50.323	ug/l	98
51) Ethyl methacrylate	10.43	69	283286	57.469	ug/l	98
52) 1,3-Dichloropropane	10.71	76	287551	47.562	ug/l	100
53) Dibromochloromethane	10.90	129	207287	56.262	ug/l	98
54) 1,2-Dibromoethane	11.00	107	181764	53.309	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	546708	345.779	ug/l	100
56) Bromoform	12.13	173	170693	66.732	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1159790	258.992	ug/l	100
59) 2-Hexanone	10.75	43	829259	282.698	ug/l	99
61) Tetrachloroethene	10.63	164	189742	51.538	ug/l	97
62) Toluene	10.16	91	761498	48.052	ug/l	99
64) Chlorobenzene	11.43	112	459654	48.712	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	183730	51.208	ug/l	98
66) Ethyl Benzene	11.51	91	827792	48.696	ug/l	99
67) m/p-Xylenes	11.62	106	629487	100.833	ug/l	100
68) o-Xylene	11.95	106	308541	49.741	ug/l	100
69) Styrene	11.96	104	520606	53.163	ug/l	99
70) Isopropylbenzene	12.25	105	808703	49.544	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	248702	53.634	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	312993	77.252	ug/l	66
73) Bromobenzene	12.53	156	215271	54.103	ug/l	99
74) n-propylbenzene	12.59	91	884919	48.880	ug/l	100
75) 2-Chlorotoluene	12.67	91	537051	48.331	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	673722	50.026	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	84890	71.233	ug/l	99
78) 4-Chlorotoluene	12.77	91	521367	49.492	ug/l	99
79) tert-butylbenzene	12.99	119	587037	50.393	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	667572	51.358	ug/l	99
81) sec-Butylbenzene	13.17	105	753609	49.416	ug/l	100
82) p-Isopropyltoluene	13.29	119	692791	53.504	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	345983	53.852	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	334384	55.178	ug/l	99
85) n-Butylbenzene	13.61	91	551950	55.372	ug/l	99
86) Hexachloroethane	13.87	117	136080	59.061	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	346056	53.788	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	46724	64.021	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	192109	70.384	ug/l	100
90) Hexachlorobutadiene	15.01	225	134297	59.617	ug/l	98
91) Naphthalene	15.13	128	527001	78.971	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	197937	68.919	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:31:08 2019
Response via : Initial Calibration

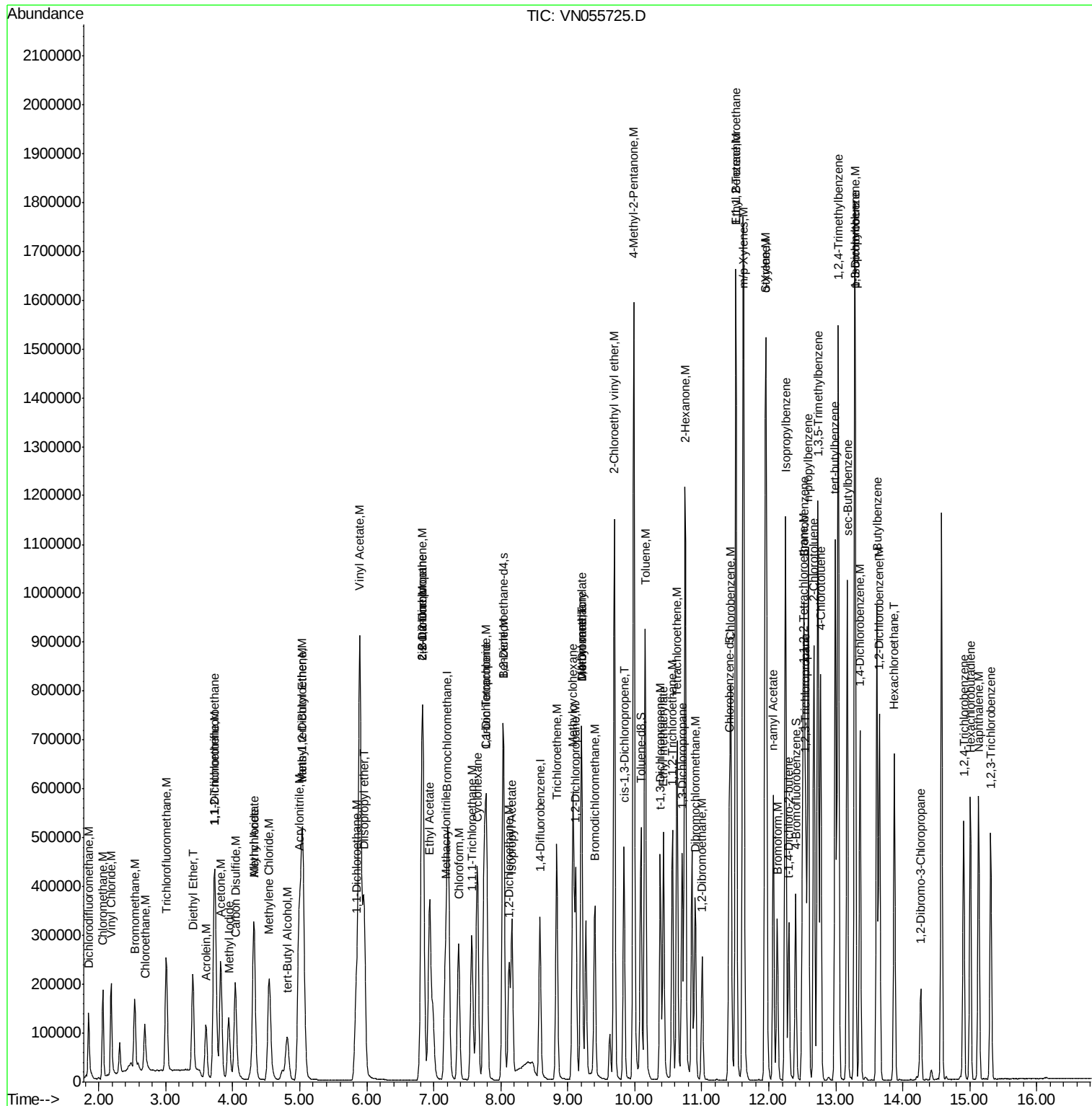
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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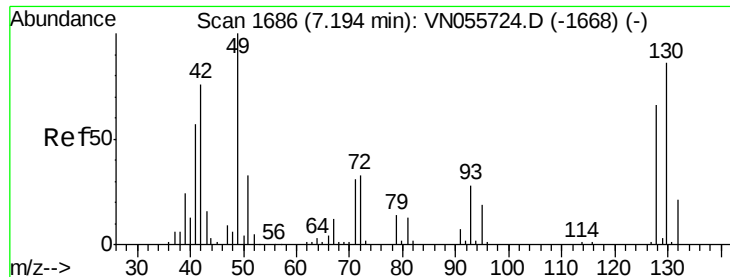
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055725.D
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Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Quant Time: May 23 05:36:49 2019
Quant Method : Z:\V0ASRV\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: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

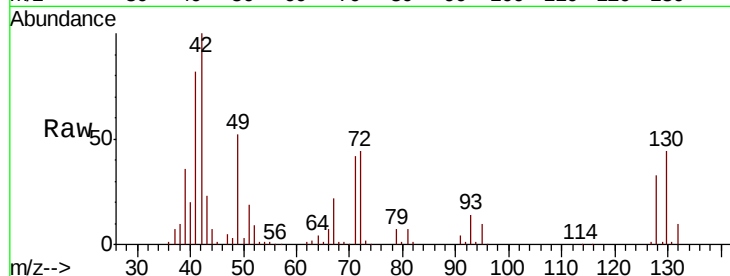
Tot Ion:128 Resp: 58537

Ion Ratio Lower Upper

128 100

49 156.3 0.0 383.2

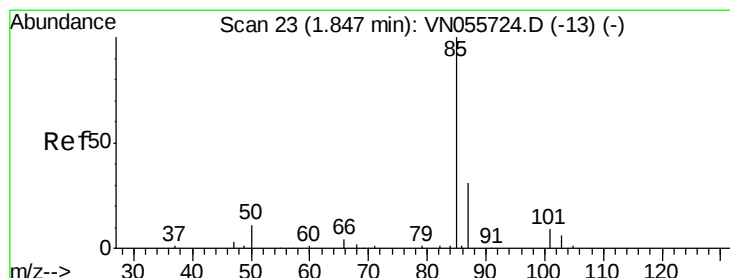
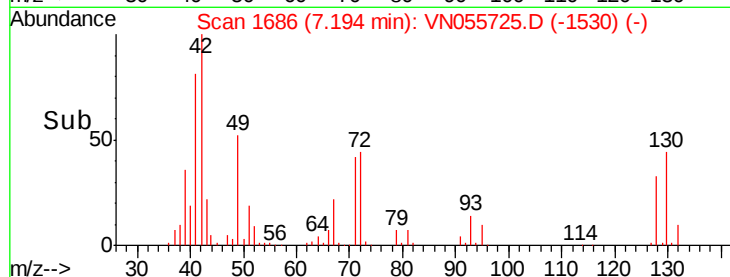
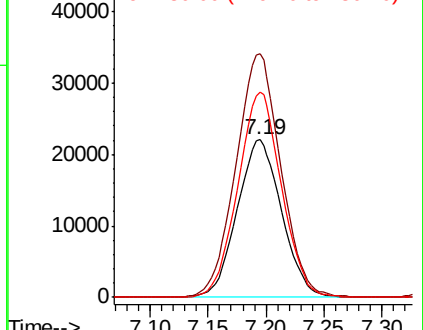
130 128.2 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 39.562 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055725.D

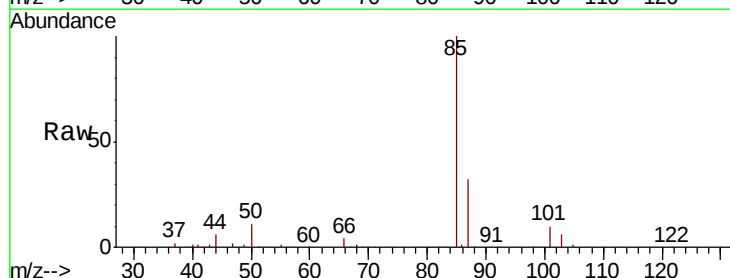
Acq: 22 May 2019 17:47

Tgt Ion: 85 Resp: 121490

Ion Ratio Lower Upper

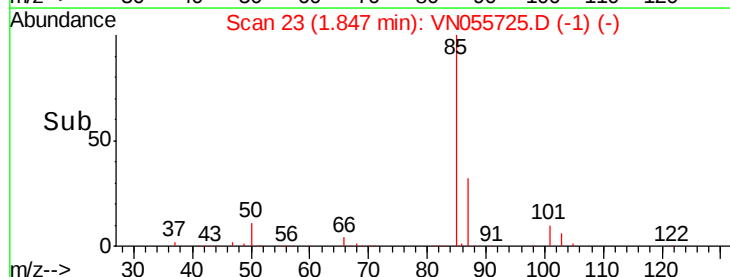
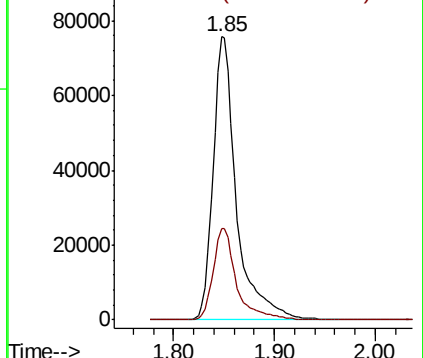
85 100

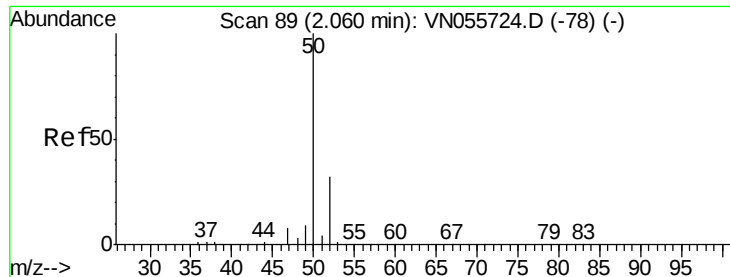
87 32.2 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 40.029 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

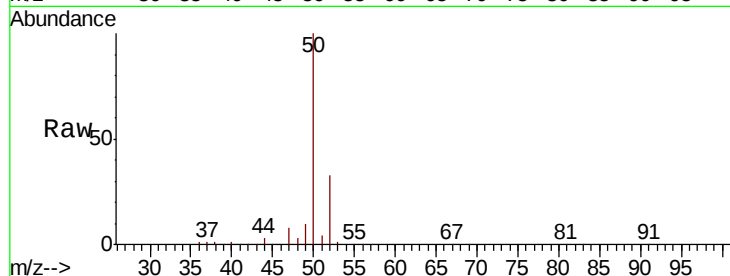
VSTDIC050

Tot Ion: 50 Resp: 173778

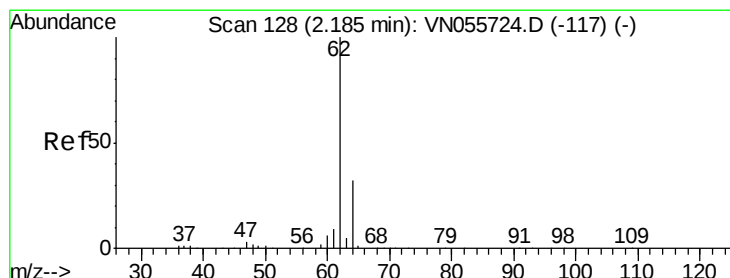
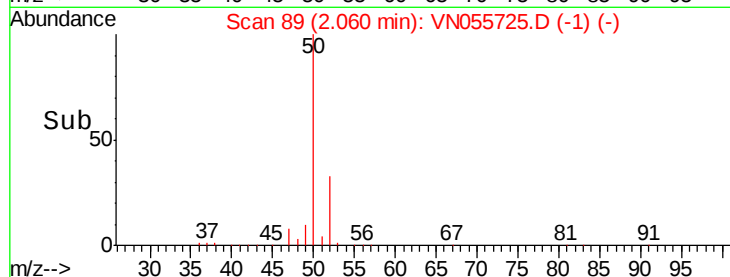
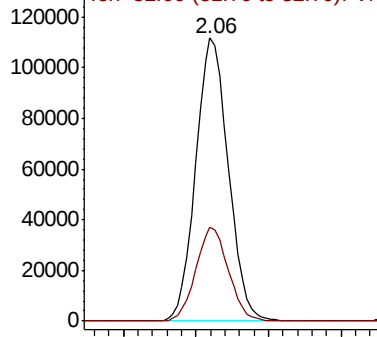
Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 49.883 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055725.D

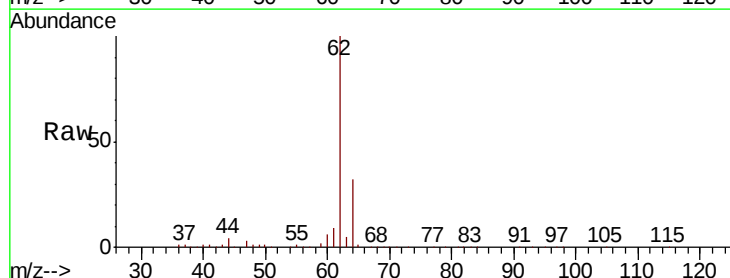
Acq: 22 May 2019 17:47

Tgt Ion: 62 Resp: 182920

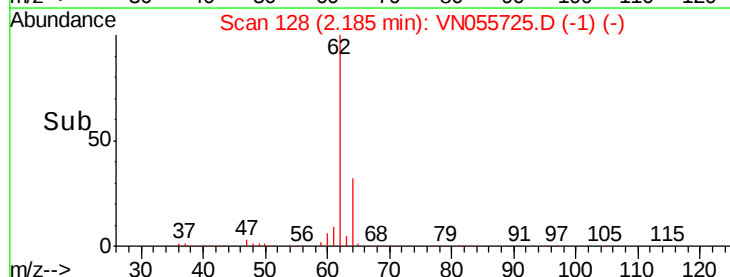
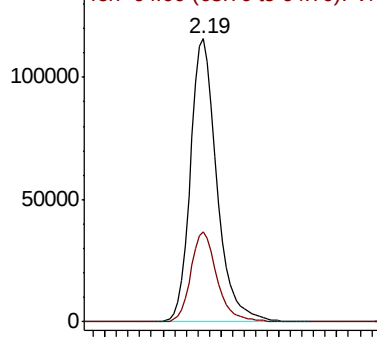
Ion Ratio Lower Upper

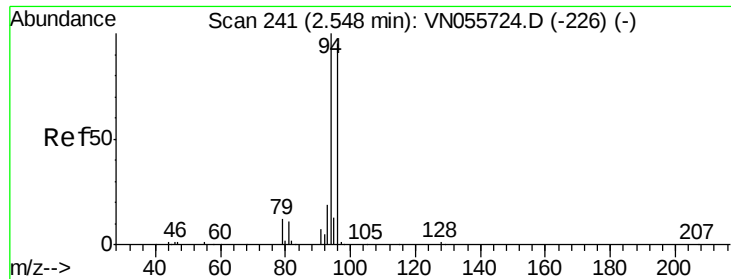
62 100

64 31.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 50.054 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

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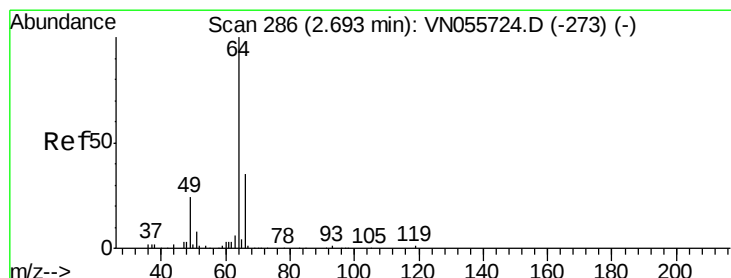
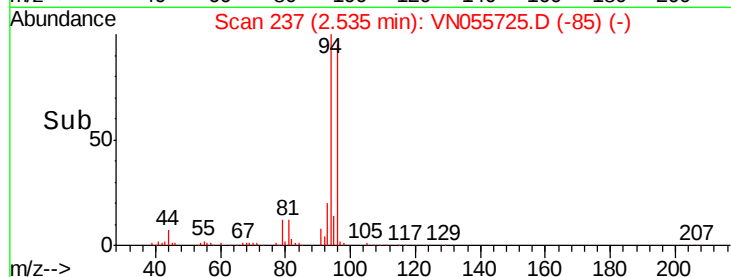
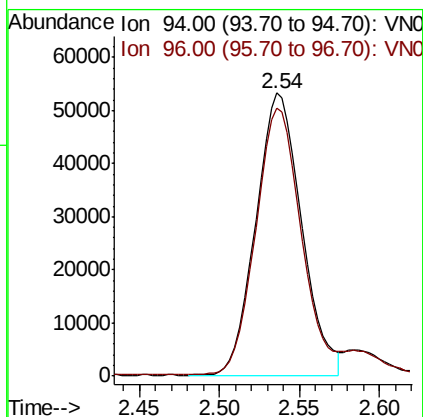
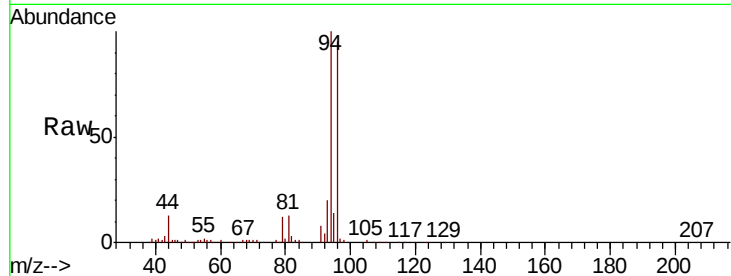
VSTDIC050

Tot Ion: 94 Resp: 104594

Ion Ratio Lower Upper

94 100

96 94.4 75.8 113.8



#6

Chloroethane

Concen: 52.623 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055725.D

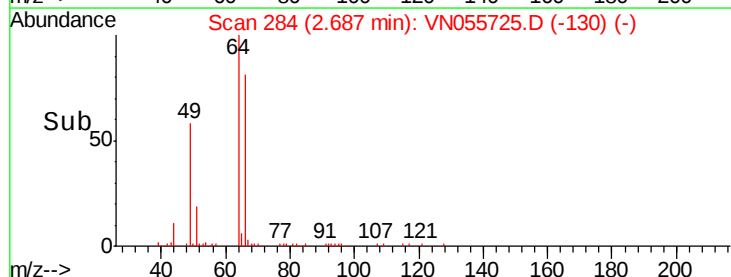
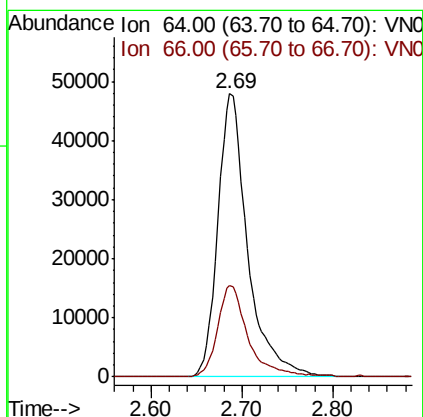
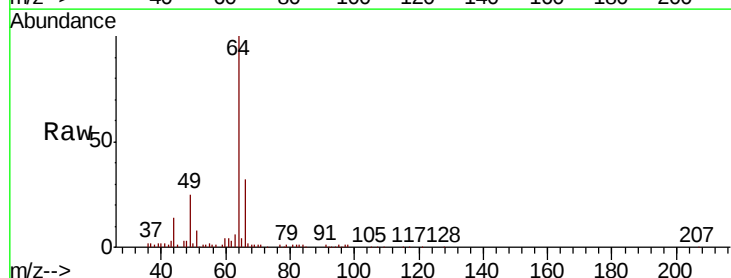
Acq: 22 May 2019 17:47

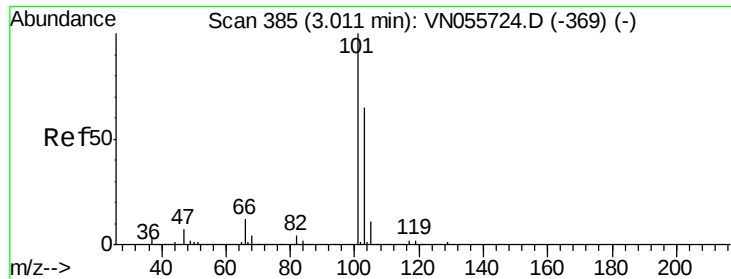
Tgt Ion: 64 Resp: 109229

Ion Ratio Lower Upper

64 100

66 32.5 27.9 41.9



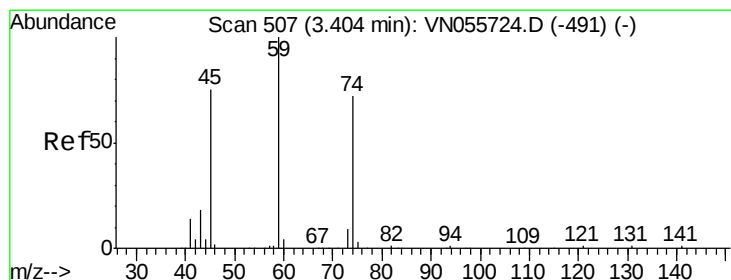
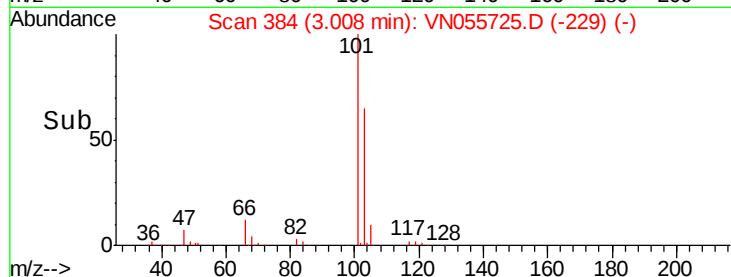
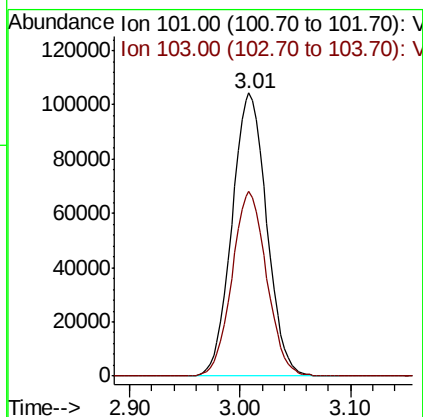
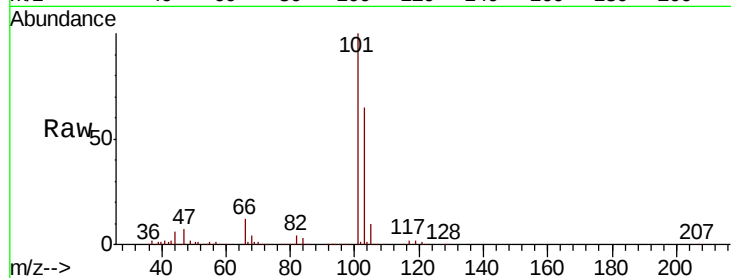


#7

Trichlorofluoromethane
 Concen: 43.622 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Instrument :
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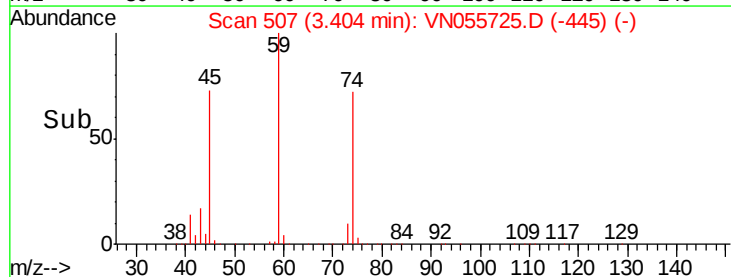
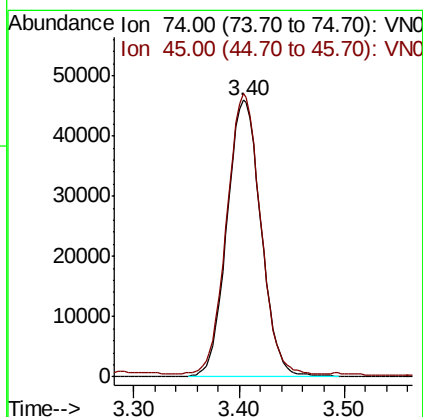
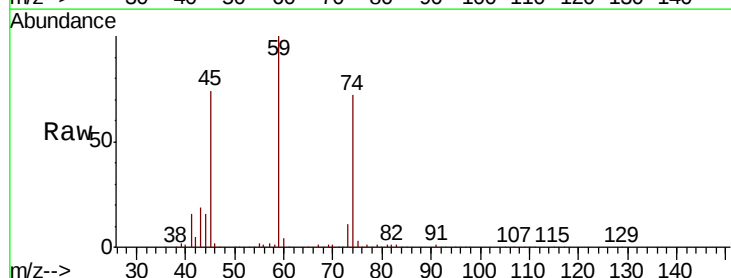
Tot Ion:101 Resp: 227855
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8

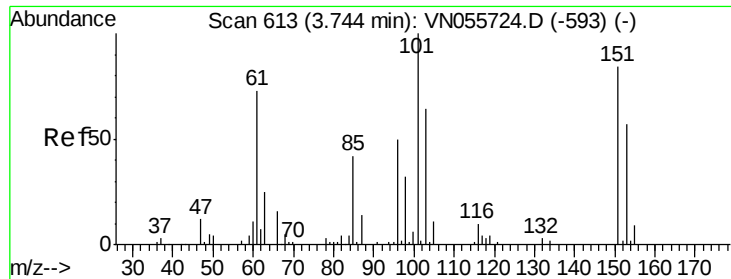


#8

Diethyl Ether
 Concen: 47.360 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion: 74 Resp: 102716
 Ion Ratio Lower Upper
 74 100
 45 100.5 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.910 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

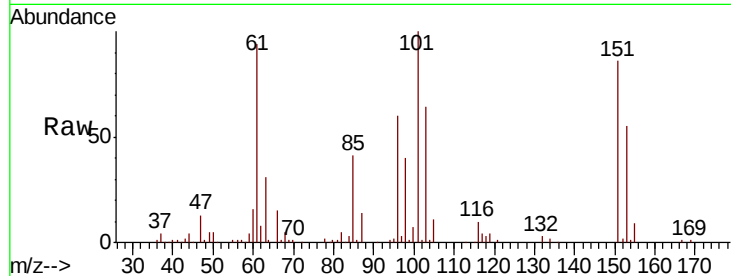
Tot Ion:101 Resp: 145864

Ion Ratio Lower Upper

101 100

85 41.8 0.0 86.6

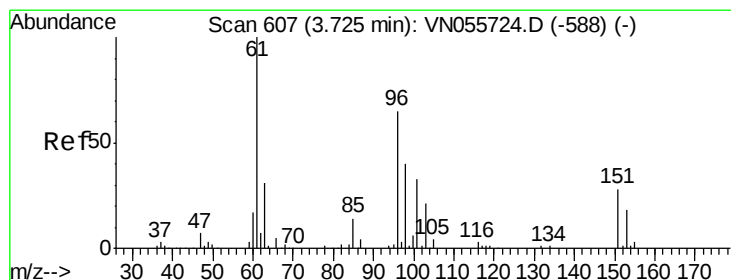
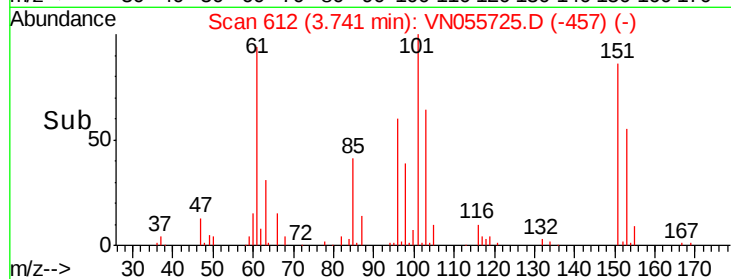
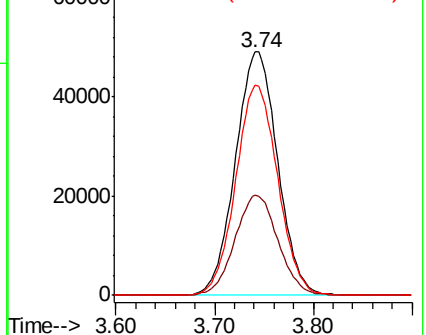
151 85.8 0.0 172.2



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: 47.928 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

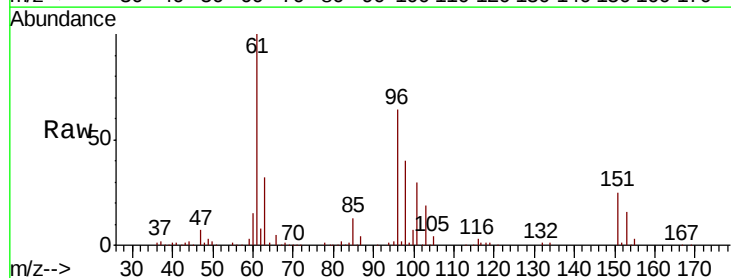
Tgt Ion: 96 Resp: 151762

Ion Ratio Lower Upper

96 100

61 156.8 123.7 185.5

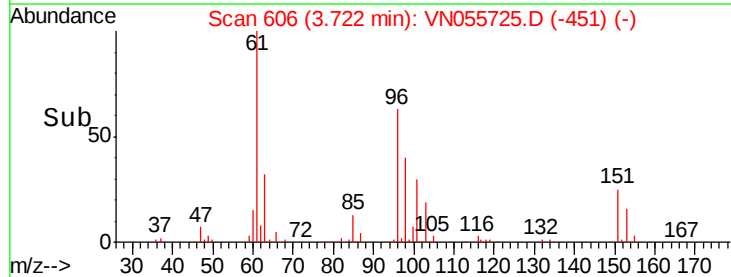
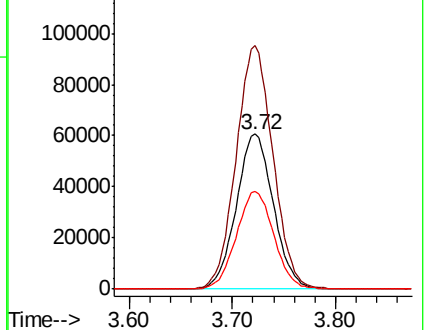
98 62.8 50.0 75.0

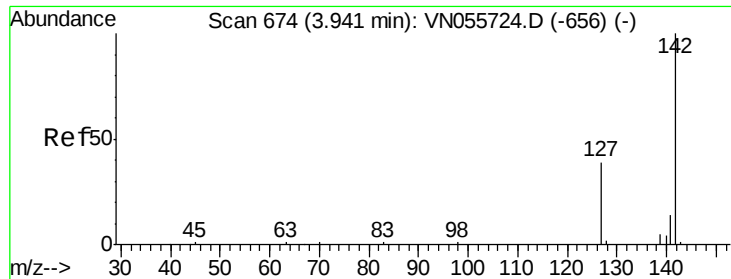


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

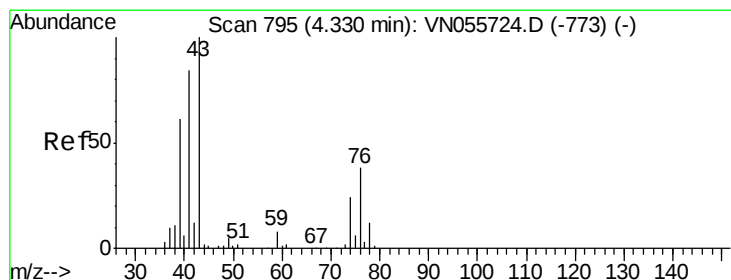
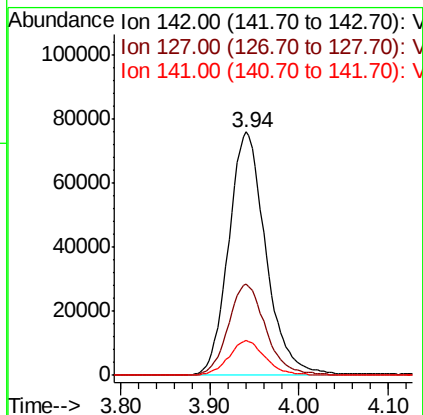
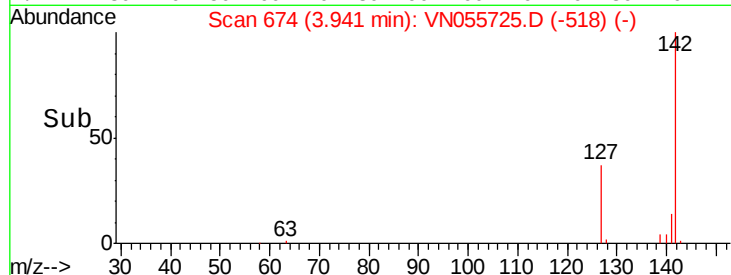
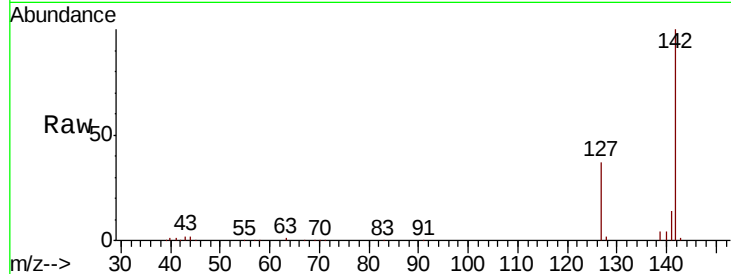




#11
Methvl Iodide
Concen: 44.992 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

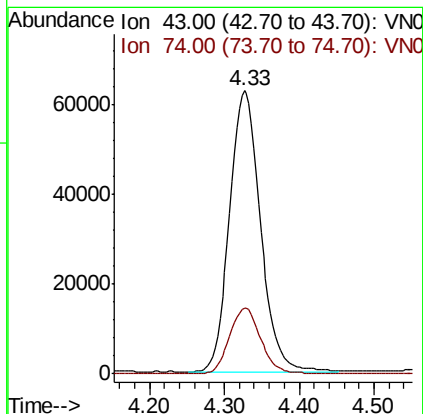
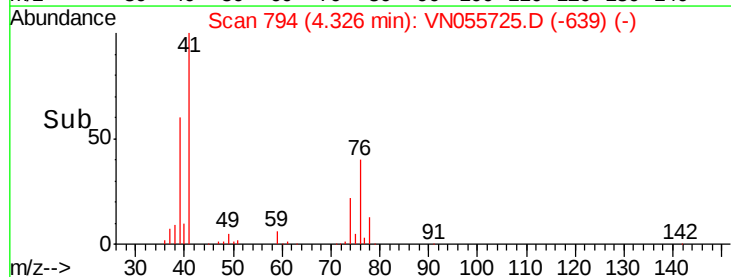
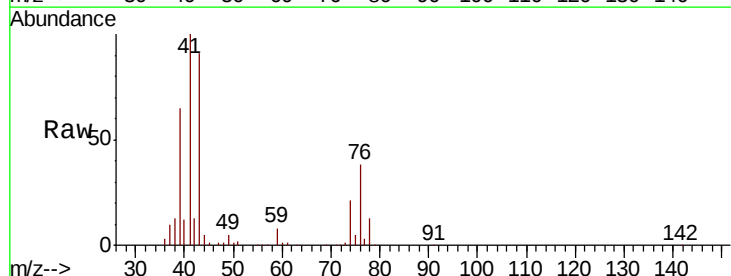
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

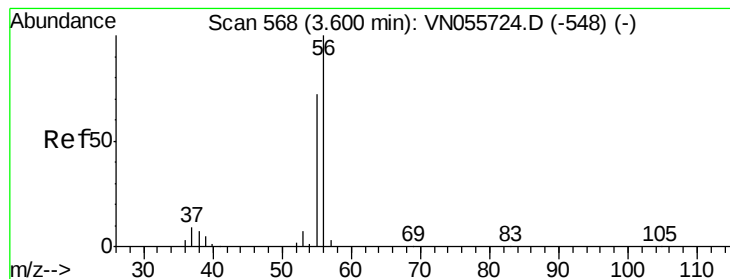
Tot Ion:142 Resp: 220043
Ion Ratio Lower Upper
142 100
127 37.4 19.6 58.7
141 14.3 6.9 20.6



#12
Methyl Acetate
Concen: 40.726 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 43 Resp: 180176
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8





#13

Acrolein

Concen: 470.952 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

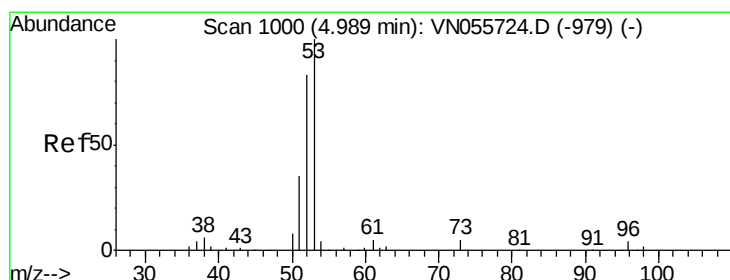
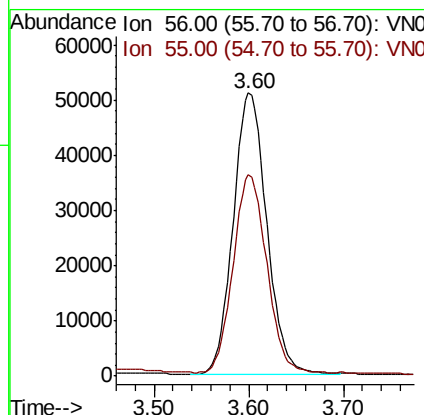
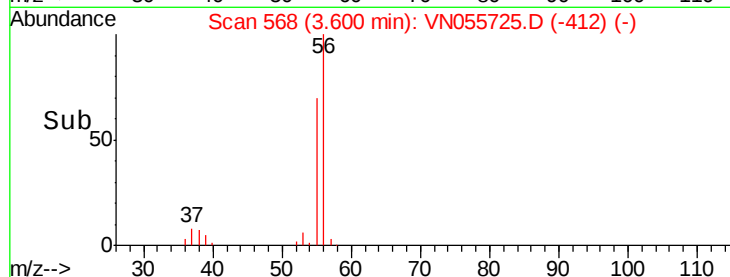
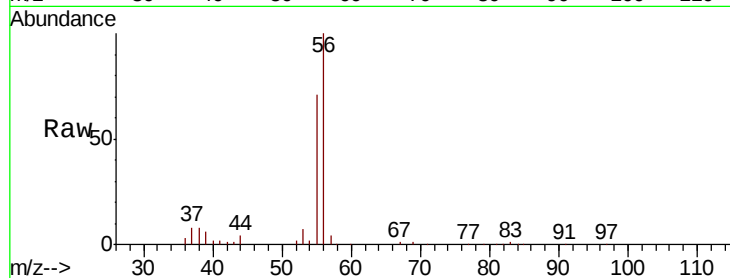
VSTDIC050

Tot Ion: 56 Resp: 126254

Ion Ratio Lower Upper

56 100

55 69.7 57.0 85.6



#14

Acrylonitrile

Concen: 260.072 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

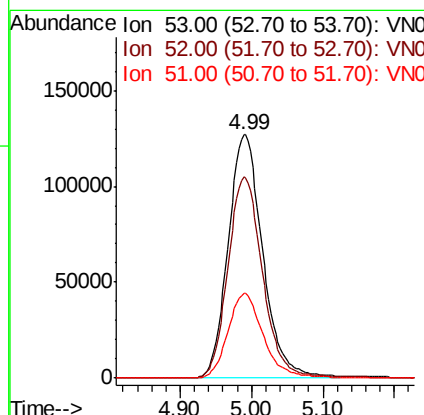
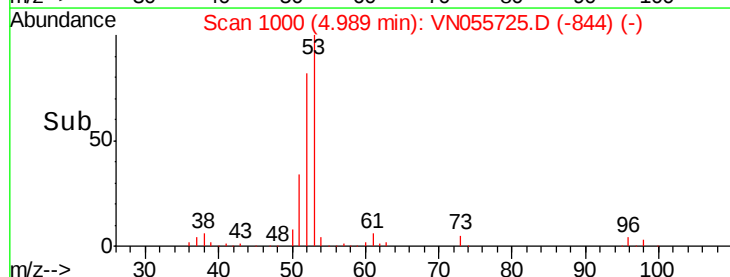
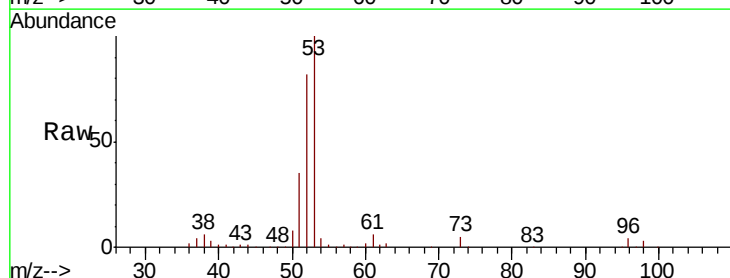
Tgt Ion: 53 Resp: 429559

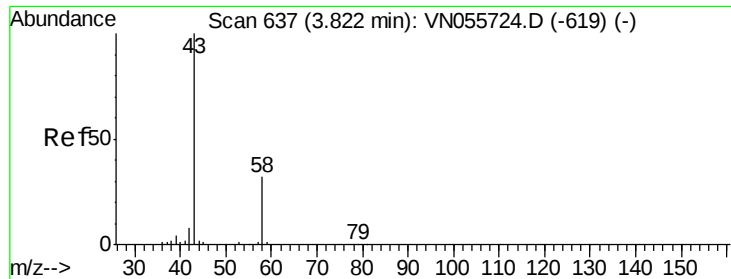
Ion Ratio Lower Upper

53 100

52 82.8 41.1 123.4

51 35.2 17.5 52.6





#15

Acetone

Concen: 309.709 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

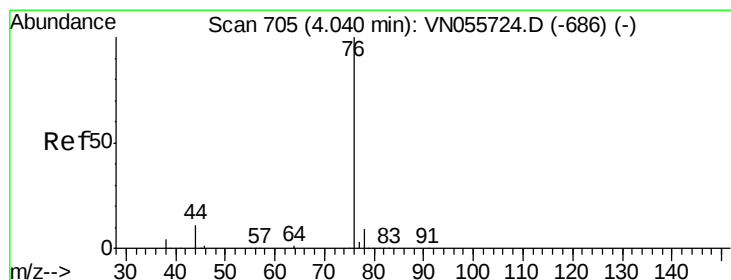
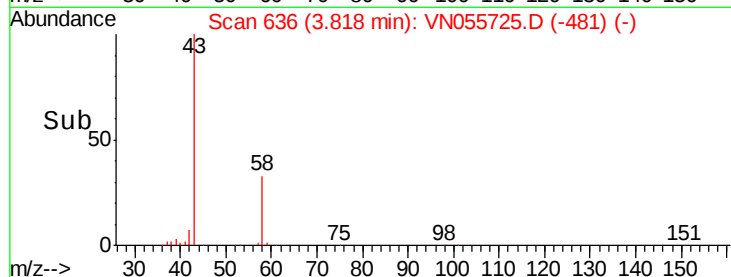
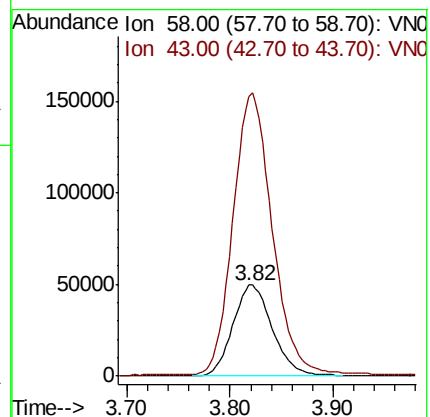
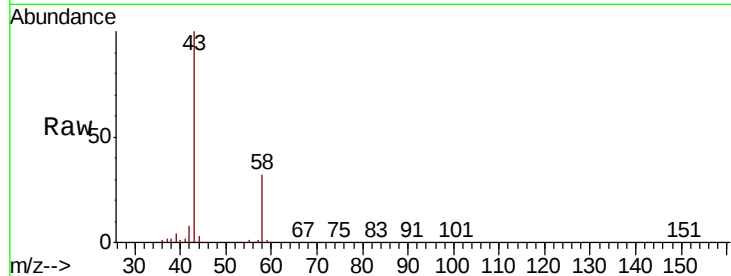
VSTDIC050

Tot Ion: 58 Resp: 131360

Ion Ratio Lower Upper

58 100

43 308.0 248.8 373.2



#16

Carbon Disulfide

Concen: 49.368 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055725.D

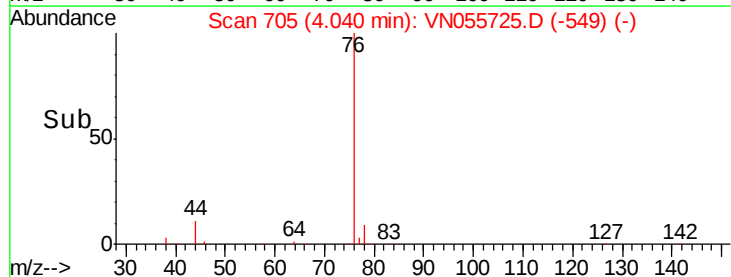
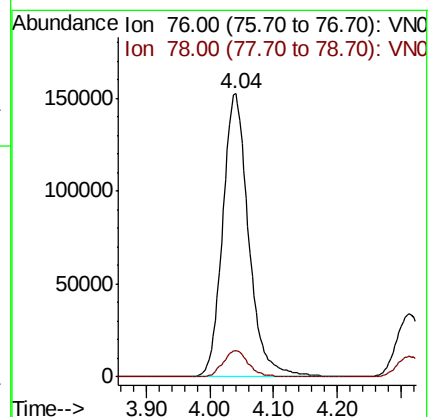
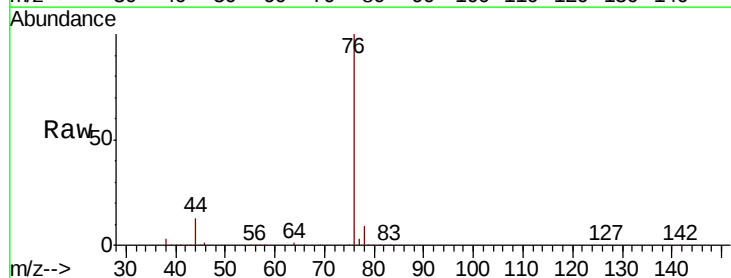
Acq: 22 May 2019 17:47

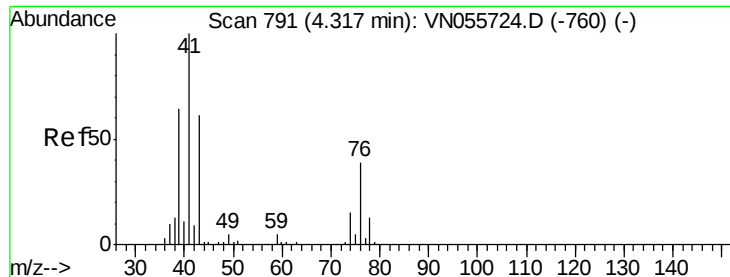
Tgt Ion: 76 Resp: 432947

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

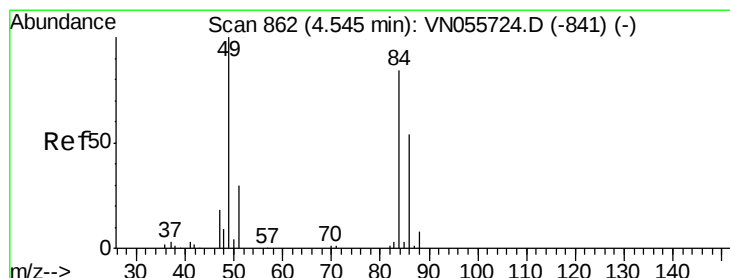
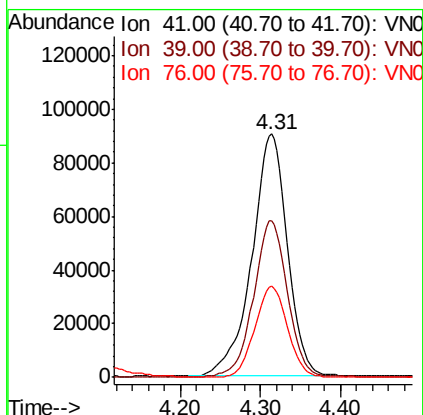
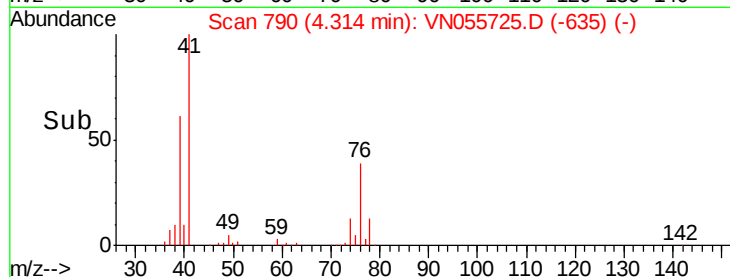
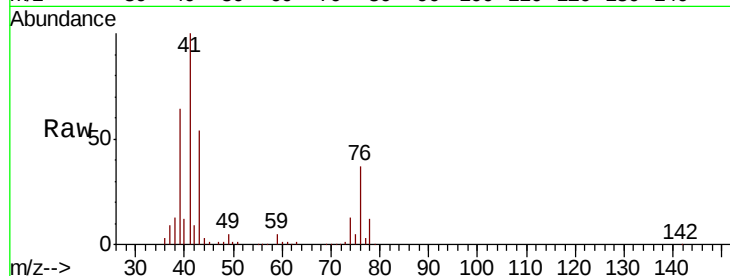




#17
Allvl chloride
Concen: 41.438 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

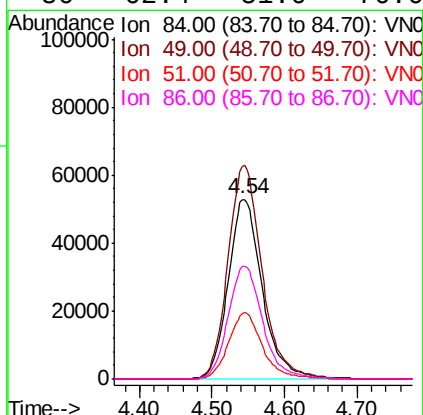
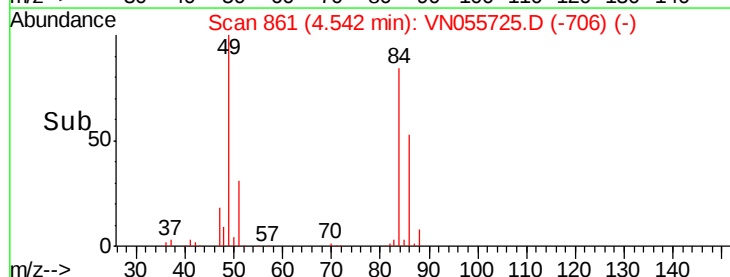
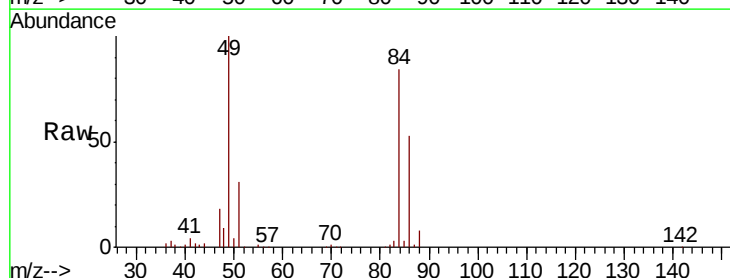
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

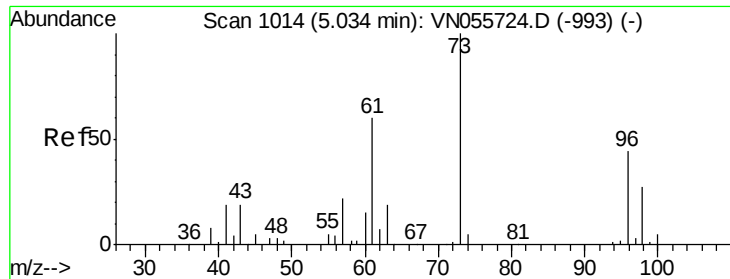
Tot Ion: 41 Resp: 275730
Ion Ratio Lower Upper
41 100
39 64.4 31.8 95.3
76 37.3 19.3 57.9



#18
Methylene Chloride
Concen: 44.860 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 84 Resp: 172951
Ion Ratio Lower Upper
84 100
49 118.3 94.7 142.1
51 36.5 28.6 43.0
86 62.4 51.0 76.6

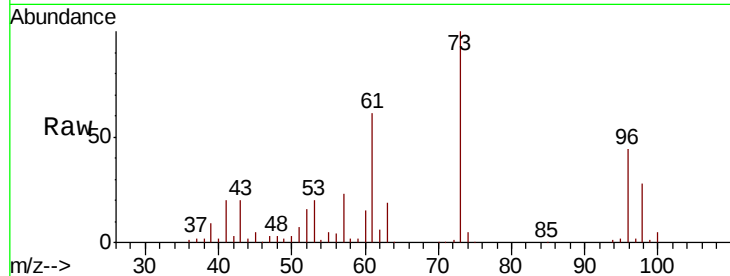




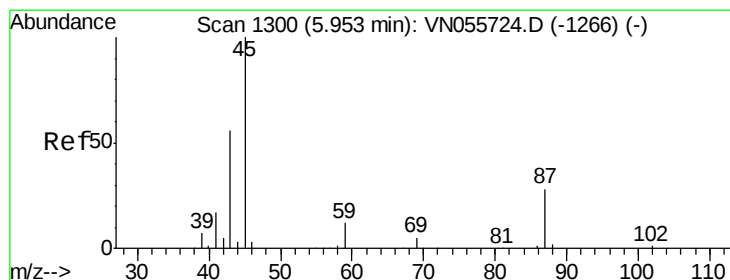
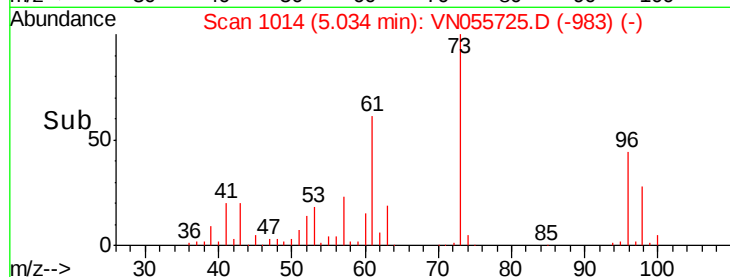
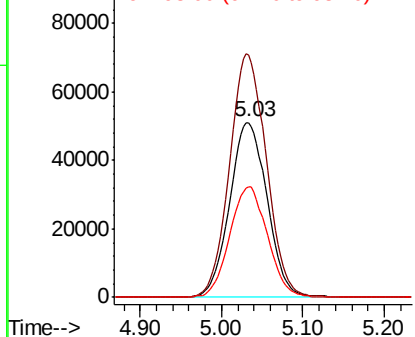
#19
trans-1,2-Dichloroethene
Concen: 47.463 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 163277
Ion Ratio Lower Upper
96 100
61 138.6 108.5 162.7
98 63.5 49.4 74.2

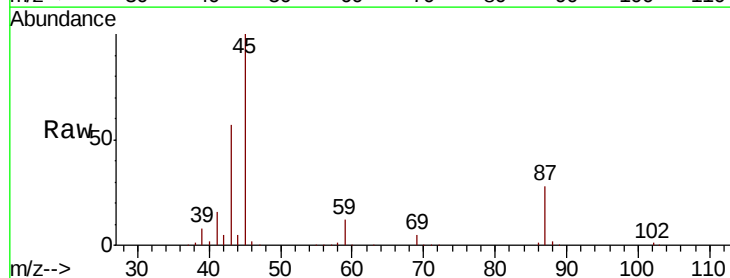


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

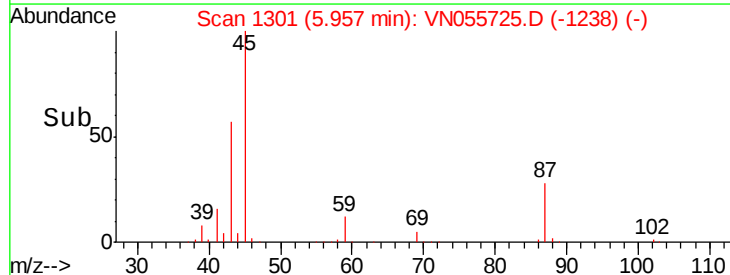
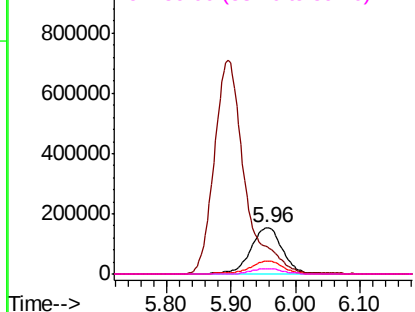


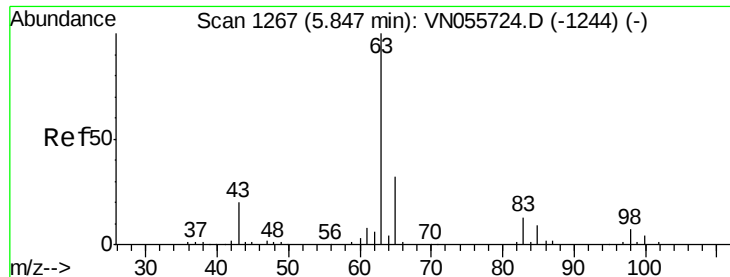
#20
Diisopropyl ether
Concen: 40.085 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 45 Resp: 531123
Ion Ratio Lower Upper
45 100
43 55.6 48.6 73.0
87 27.8 22.6 34.0
59 11.7 9.4 14.2



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





#21

1,1-Dichloroethane

Concen: 43.141 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

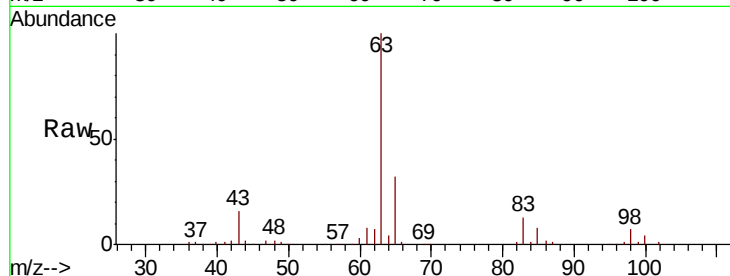
Tot Ion: 63 Resp: 302573

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

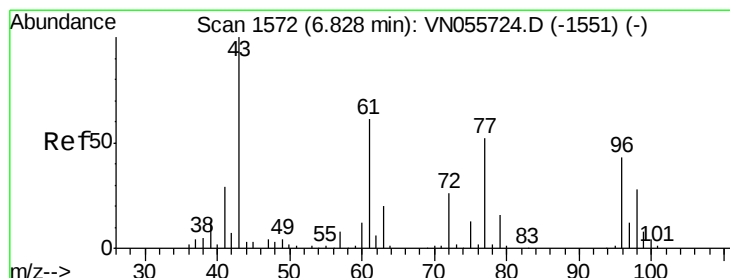
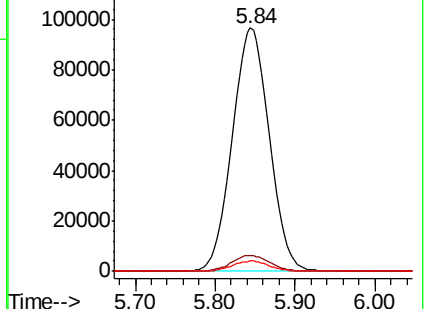
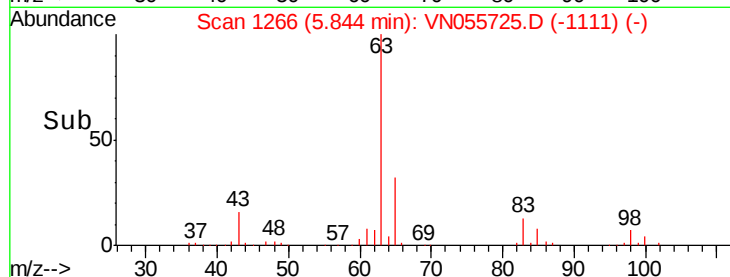
100 4.2 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VN055725.D (-1111) (-)

Ion 98.00 (97.70 to 98.70): VN055725.D (-1111) (-)

Ion 100.00 (99.70 to 100.70): VN055725.D (-1111) (-)



#22

cis-1,2-Dichloroethene

Concen: 47.575 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

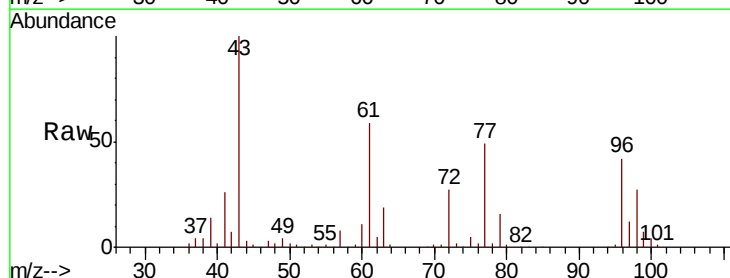
Tgt Ion: 96 Resp: 190781

Ion Ratio Lower Upper

96 100

61 143.2 115.7 173.5

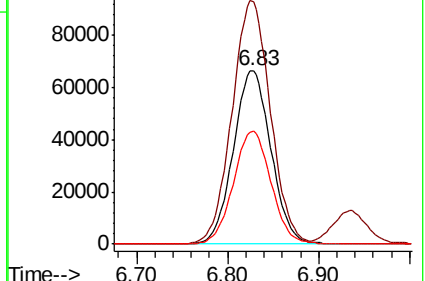
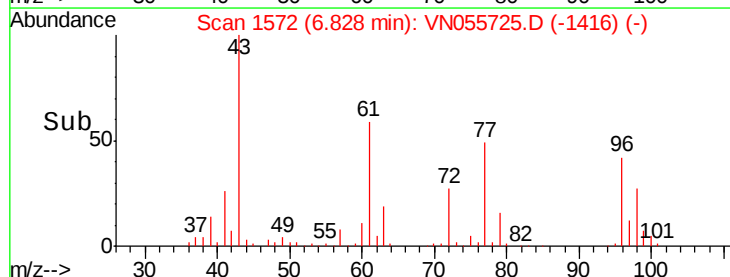
98 65.0 51.5 77.3

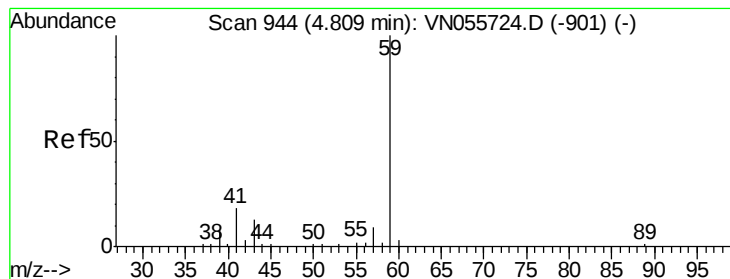


Abundance Ion 96.00 (95.70 to 96.70): VN055725.D (-1416) (-)

Ion 61.00 (60.70 to 61.70): VN055725.D (-1416) (-)

Ion 98.00 (97.70 to 98.70): VN055725.D (-1416) (-)



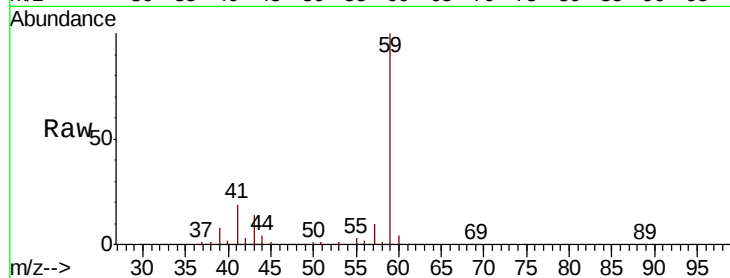


#23

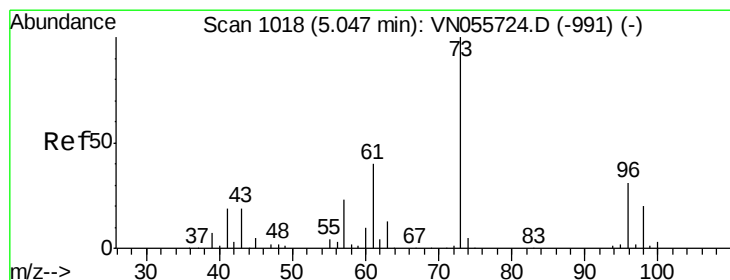
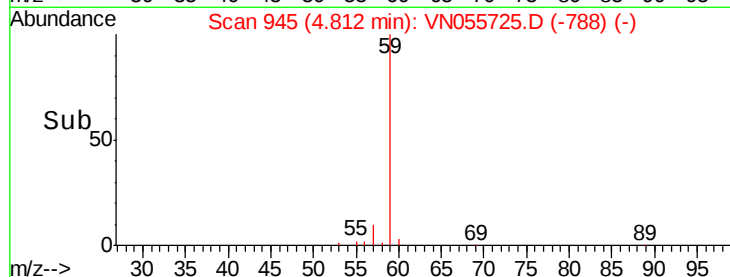
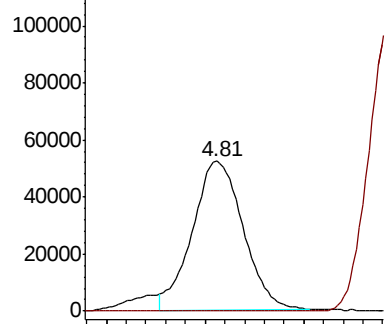
tert-Butyl Alcohol
Concen: 407.282 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 59 Resp: 187019
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



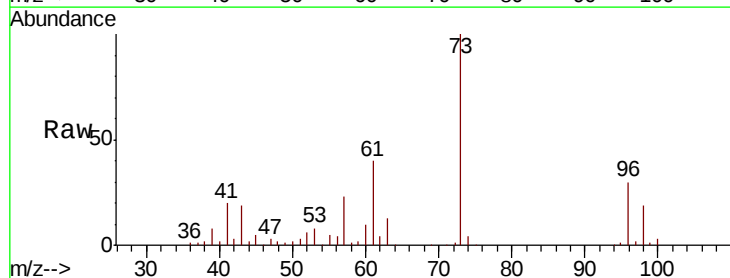
Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



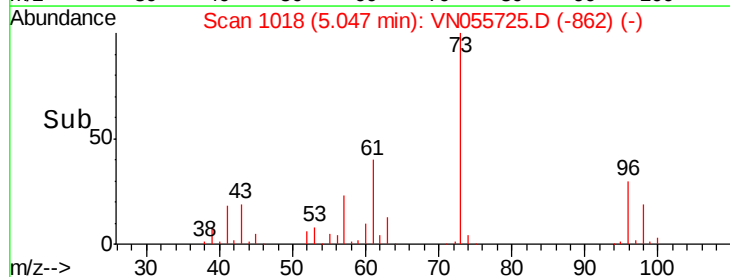
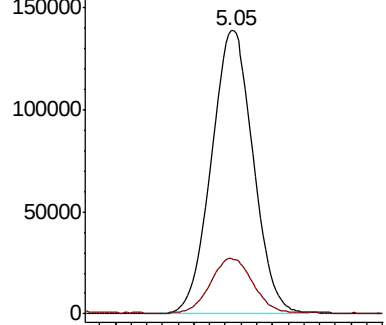
#24

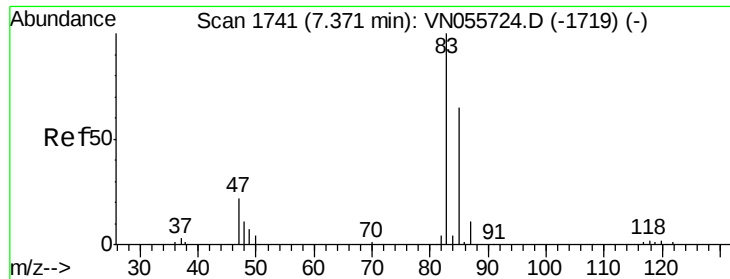
Methyl tert-Butyl Ether
Concen: 49.784 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 73 Resp: 518975
Ion Ratio Lower Upper
73 100
43 19.3 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 43.00 (42.70 to 43.70): VN0

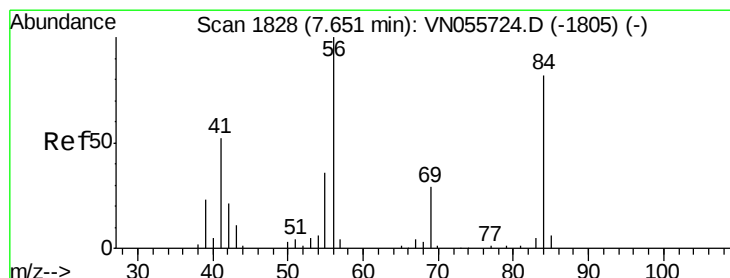
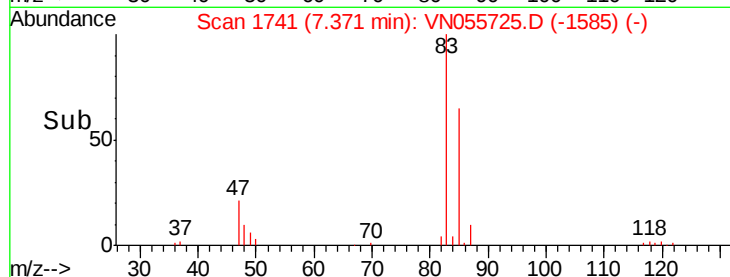
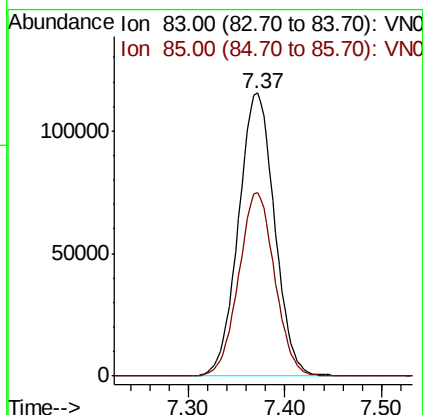
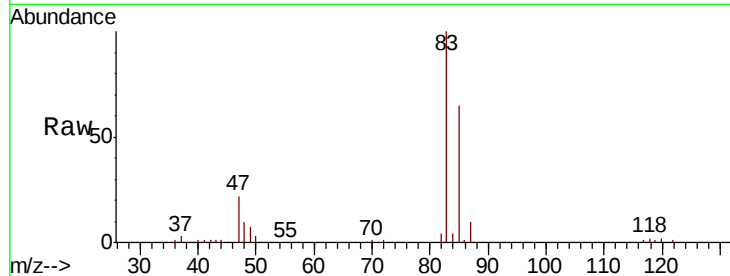




#25
Chloroform
Concen: 45.013 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

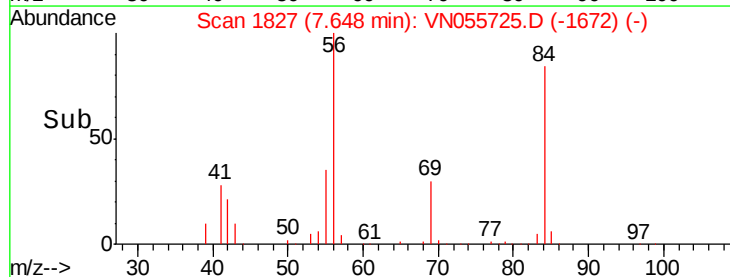
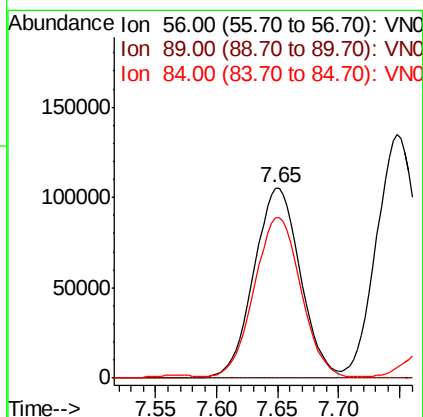
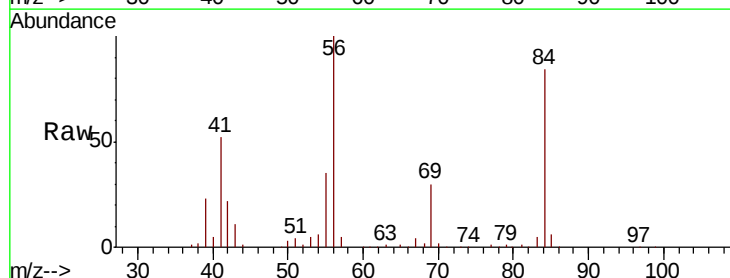
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

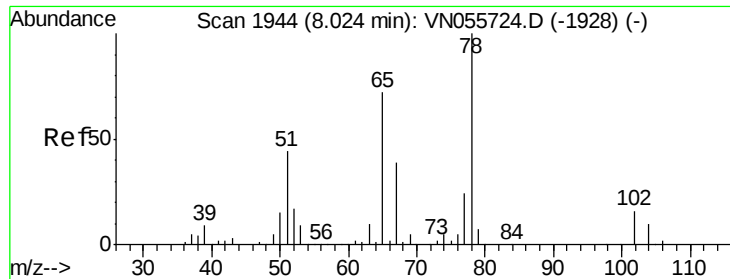
Tot Ion: 83 Resp: 299254
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5



#26
Cyclohexane
Concen: 44.934 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 56 Resp: 278459
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.6 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 25.674 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

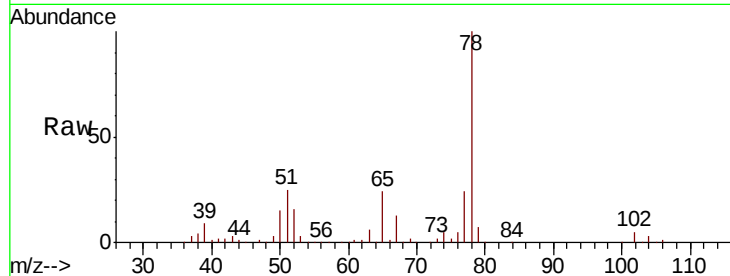
VSTDIC050

Tot Ion: 65 Resp: 114548

Ion Ratio Lower Upper

65 100

67 55.3 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN055724.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN055724.D (-1928) (-)

8.03

50000

40000

30000

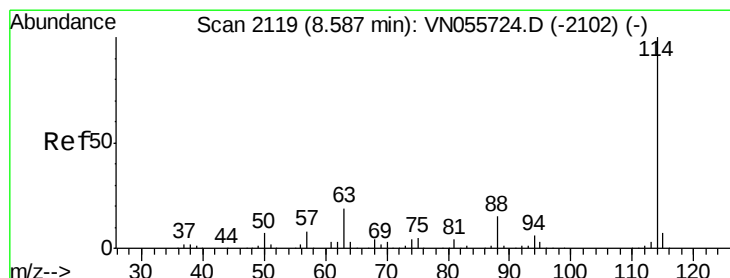
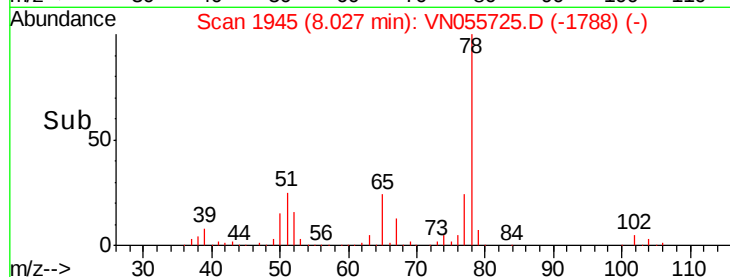
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

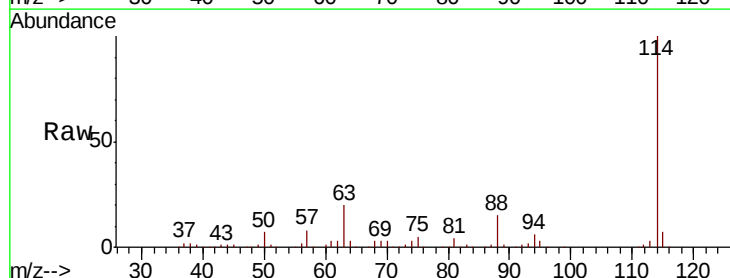
Tgt Ion: 114 Resp: 320703

Ion Ratio Lower Upper

114 100

63 19.8 15.6 23.4

88 15.3 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN055724.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN055724.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055724.D (-2102) (-)

8.58

200000

150000

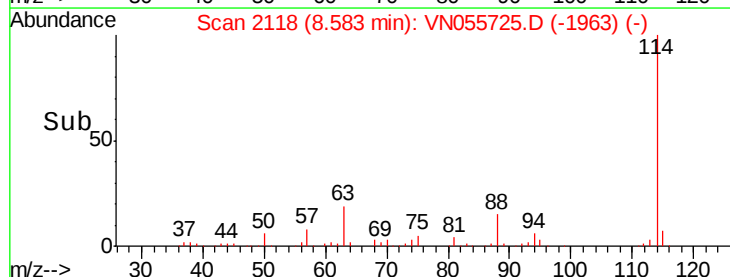
100000

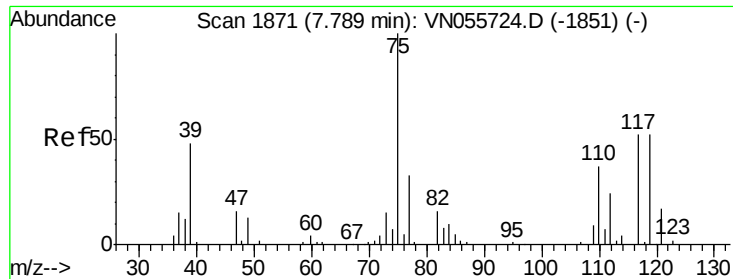
50000

0

8.50 8.60 8.70

Time-->

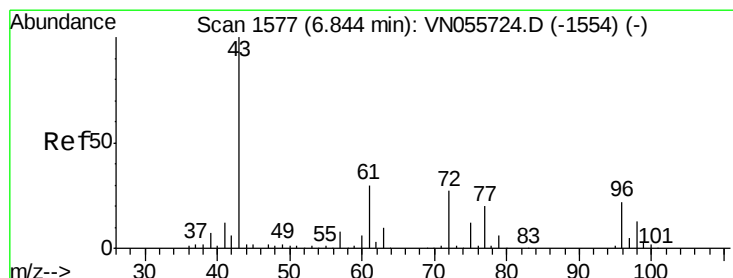
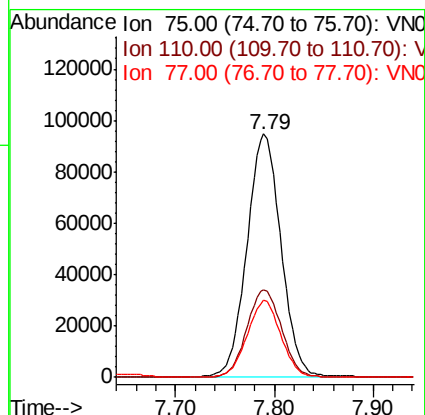
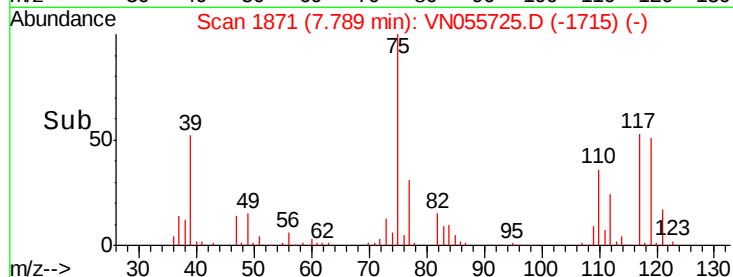
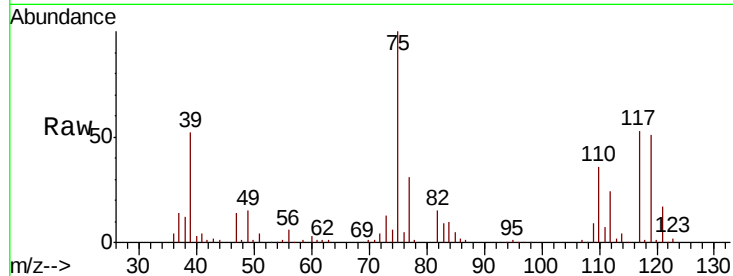




#29
 1,1-Dichloropropene
 Concen: 45.598 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

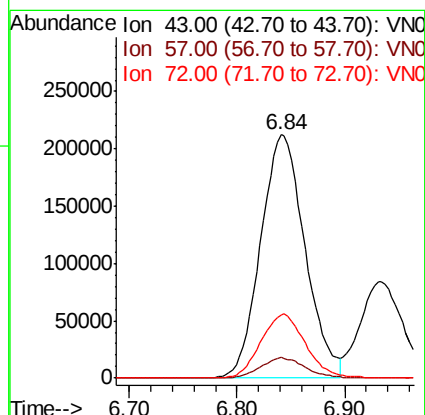
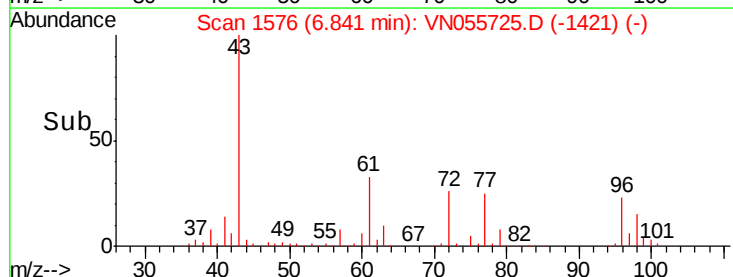
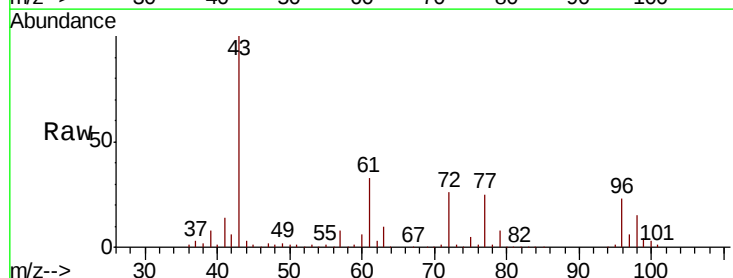
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

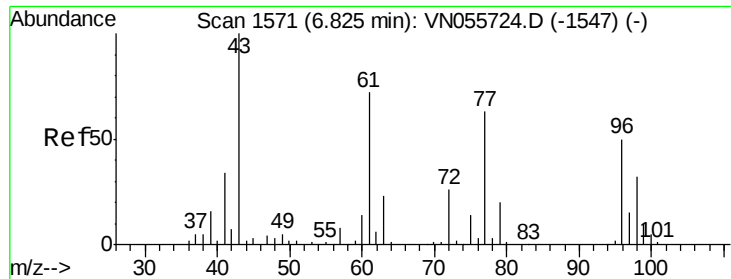
Tot Ion: 75 Resp: 226740
 Ion Ratio Lower Upper
 75 100
 110 36.6 0.0 74.8
 77 31.6 0.0 65.2



#30
 2-Butanone
 Concen: 283.139 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion: 43 Resp: 601407
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.6 10.0
 72 26.9 21.7 32.5





#31

2,2-Dichloropropane

Concen: 52.389 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

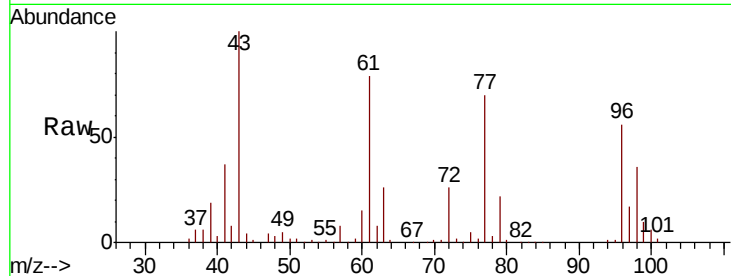
VSTDIC050

Tot Ion: 77 Resp: 257777

Ion Ratio Lower Upper

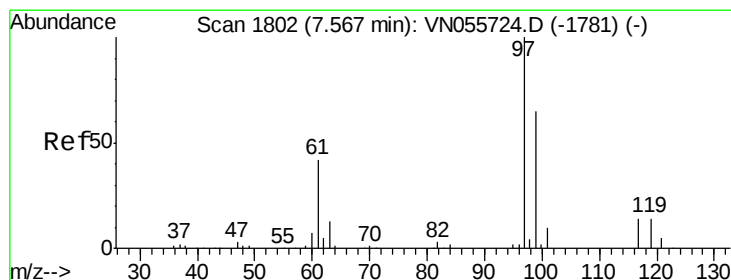
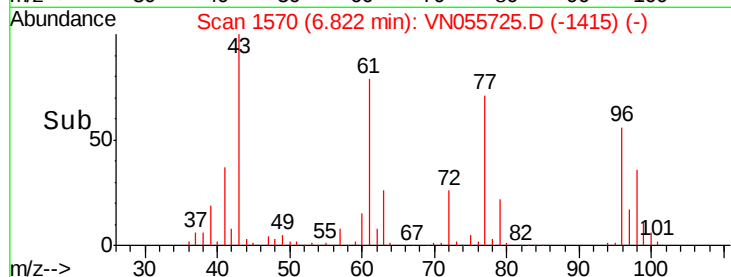
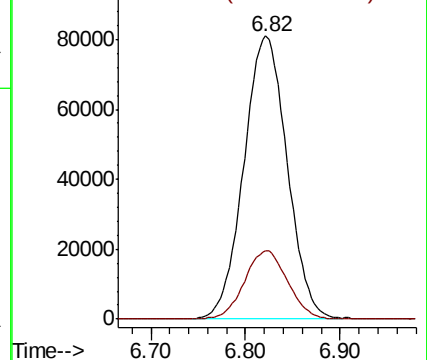
77 100

97 24.2 19.2 28.8



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.306 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

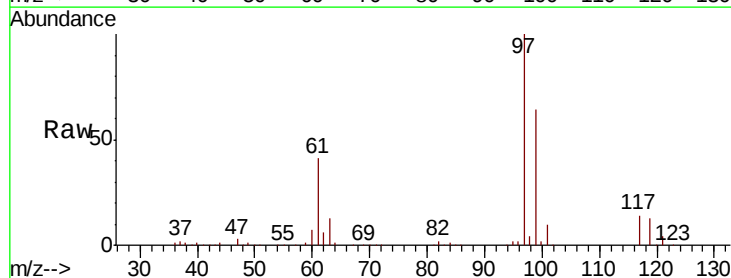
Tgt Ion: 97 Resp: 264552

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

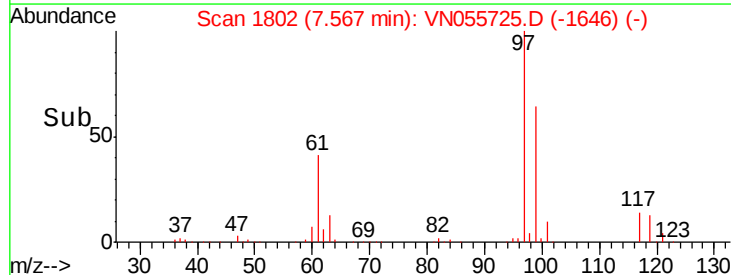
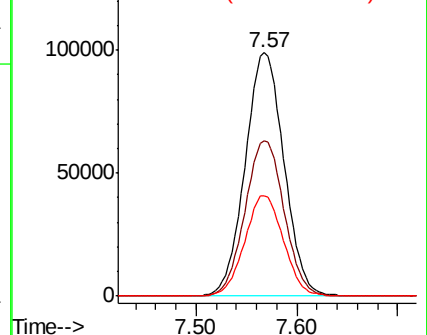
61 41.1 33.1 49.7

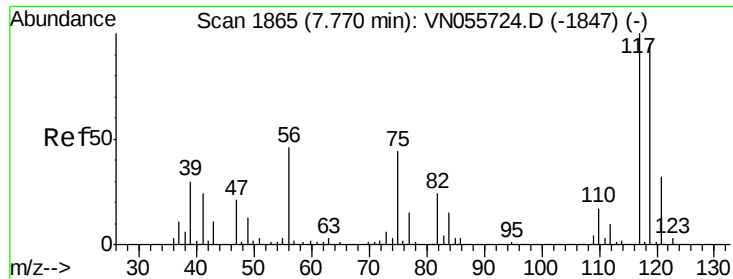


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 49.556 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

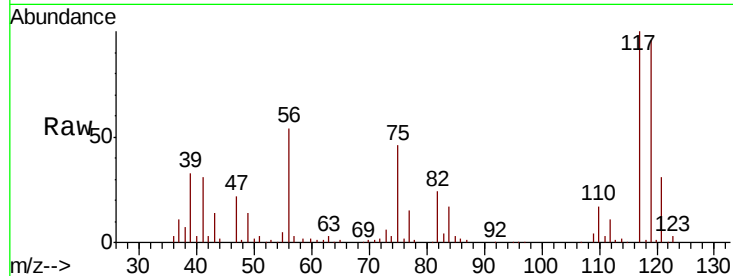
Tot Ion:117 Resp: 235791

Ion Ratio Lower Upper

117 100

119 95.5 75.8 113.8

121 31.0 25.4 38.0

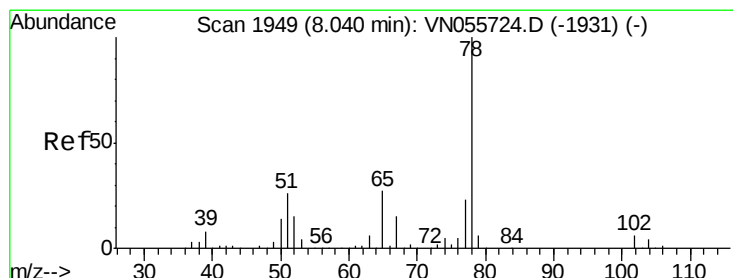
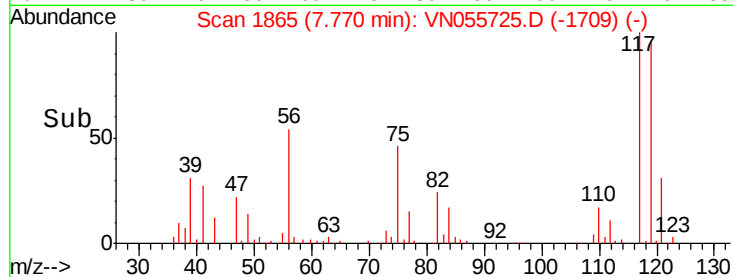
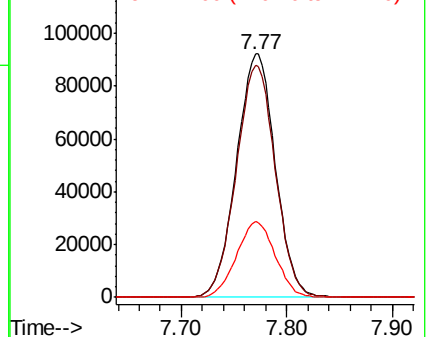


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 46.438 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

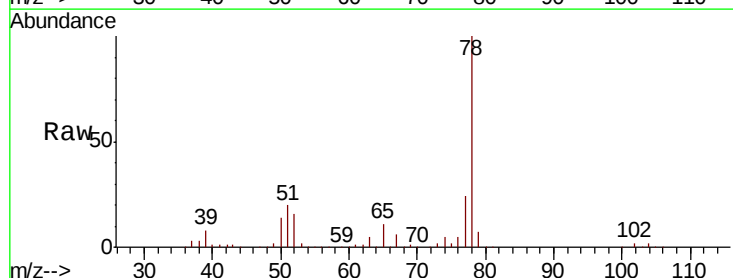
Tgt Ion: 78 Resp: 694264

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2

51 19.7 20.6 31.0#

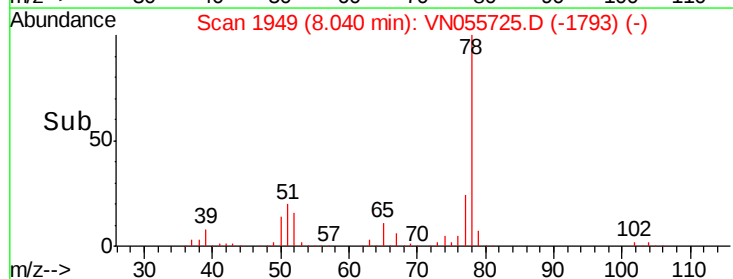
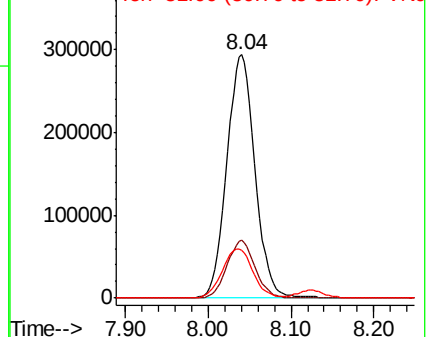


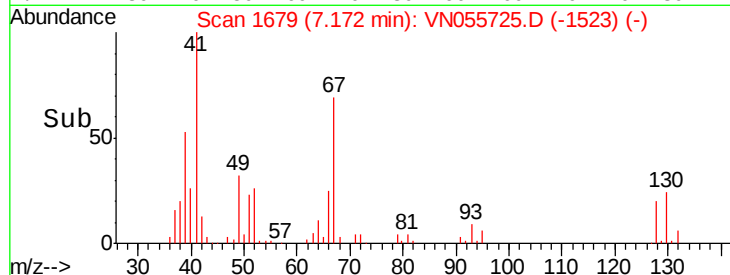
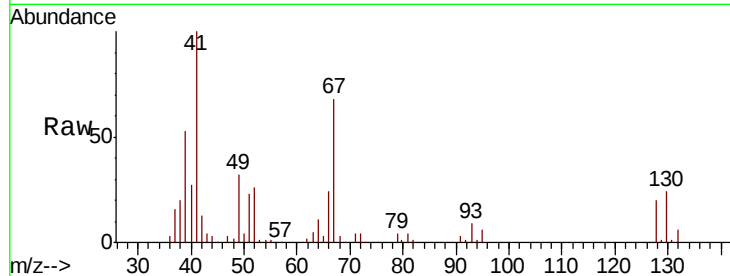
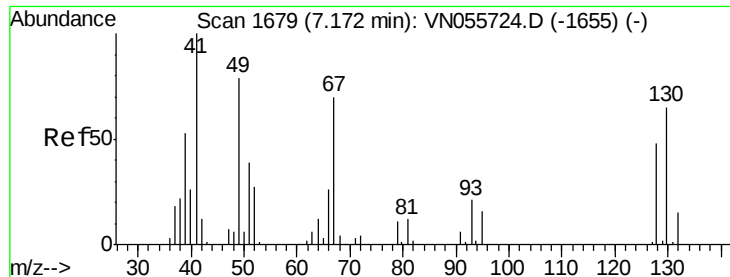
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

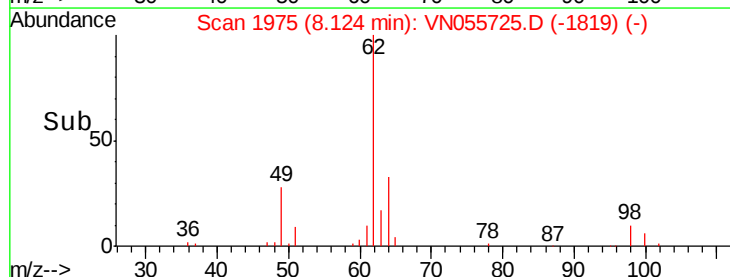
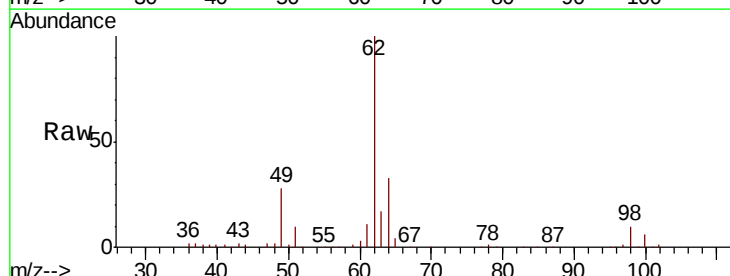
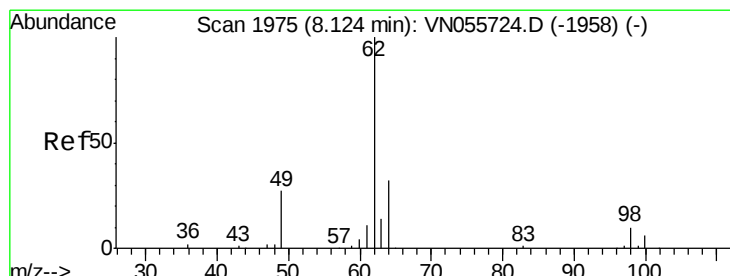
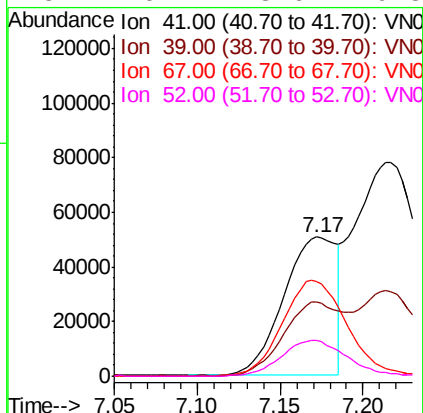




#35
Methacrylonitrile
Concen: 49.517 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

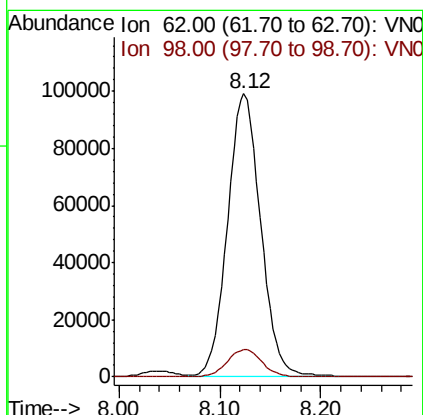
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

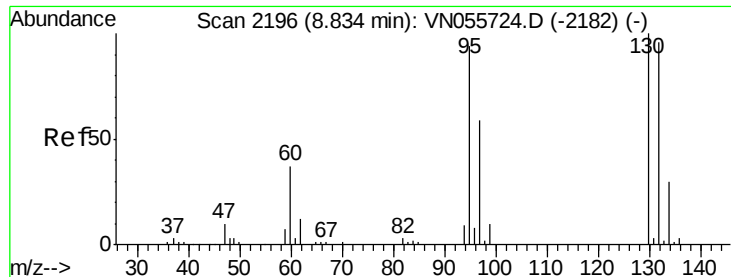
Tot Ion:	41	Resp:	112435
Ion	Ratio	Lower	Upper
41	100		
39	53.3	26.7	80.1
67	68.8	34.9	104.7
52	26.2	13.6	40.8



#36
1,2-Dichloroethane
Concen: 42.982 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion:	62	Resp:	225275
Ion	Ratio	Lower	Upper
62	100		
98	10.3	8.2	12.2

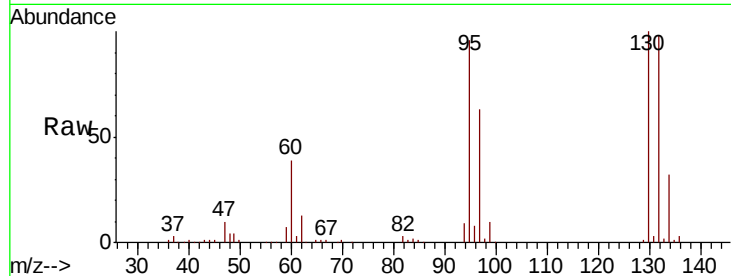




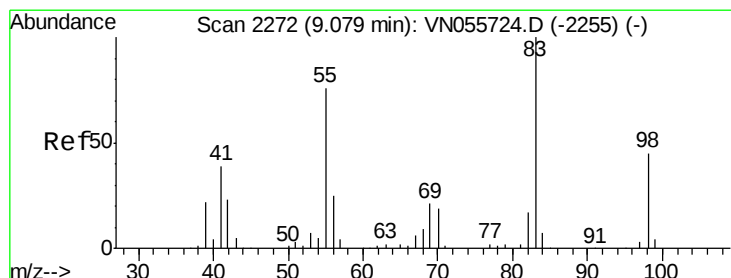
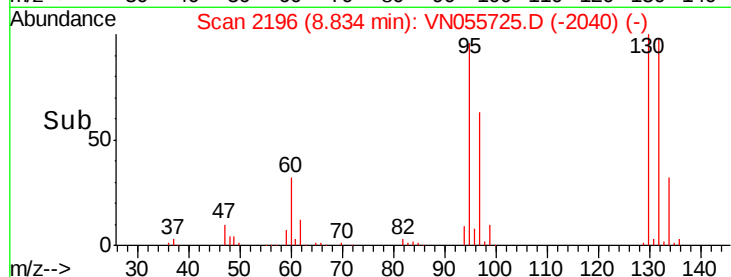
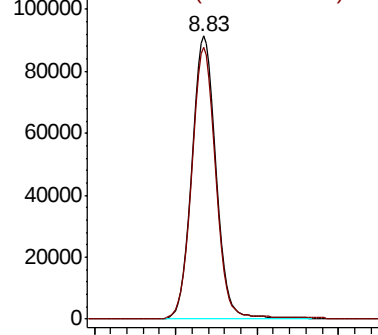
#37
 Trichloroethene
 Concen: 50.051 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 192695
 Ion Ratio Lower Upper
 130 100
 95 96.3 75.6 113.4

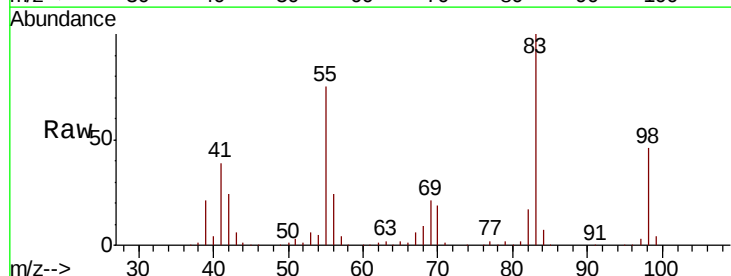


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

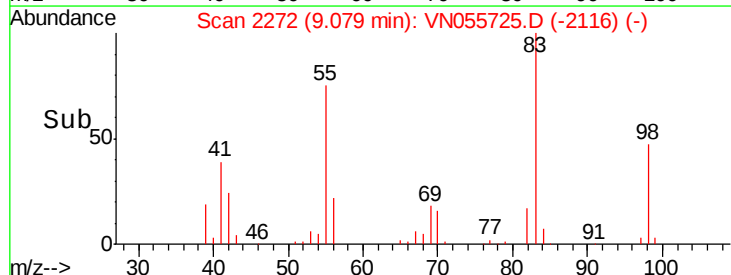
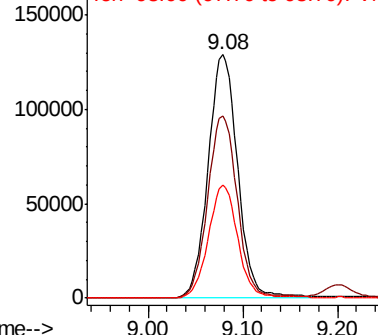


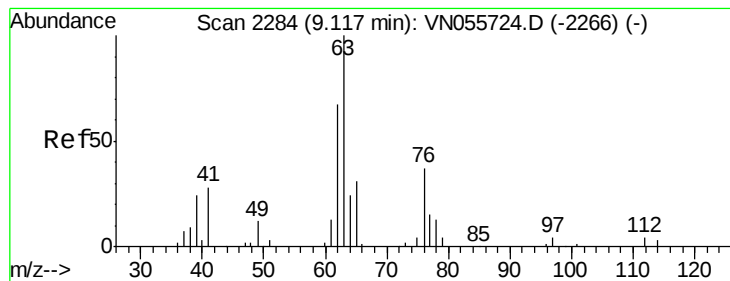
#38
 Methylcyclohexane
 Concen: 51.049 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion: 83 Resp: 280439
 Ion Ratio Lower Upper
 83 100
 55 74.4 37.8 113.4
 98 46.1 22.6 67.8



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





#39

1,2-Dichloropropane

Concen: 44.445 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

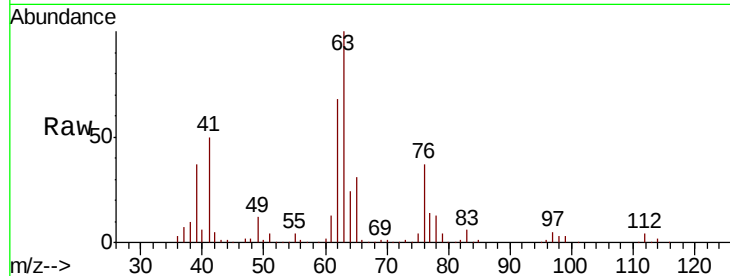
VSTDIC050

Tot Ion: 63 Resp: 187593

Ion Ratio Lower Upper

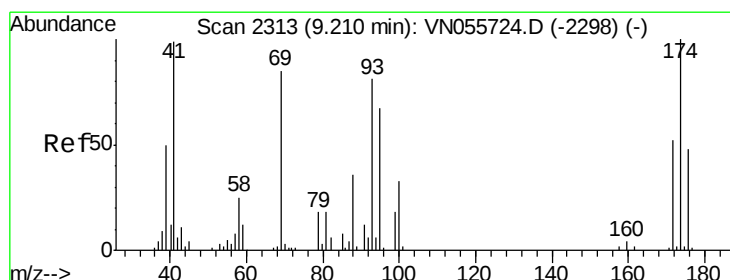
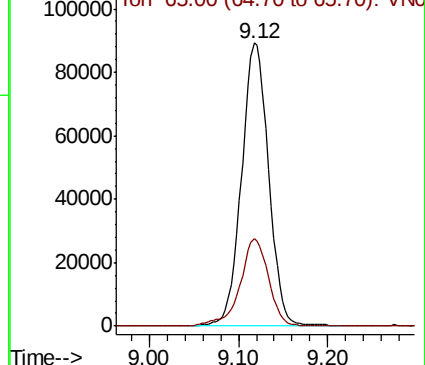
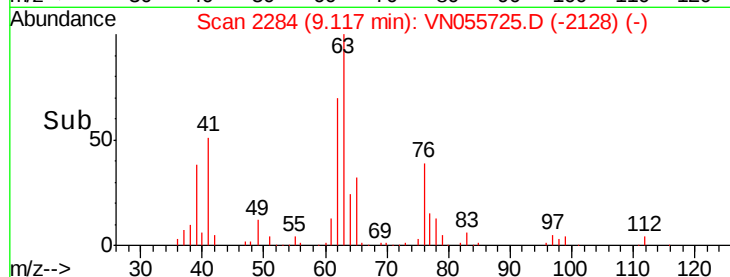
63 100

65 30.7 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VN055725.D (-2128) (-)

Ion 65.00 (64.70 to 65.70): VN055725.D (-2128) (-)



#40

Dibromomethane

Concen: 48.514 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

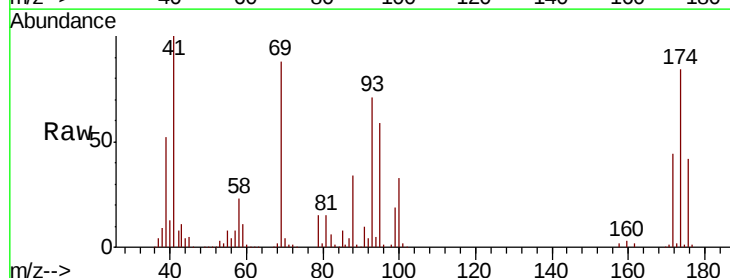
Tgt Ion: 93 Resp: 120376

Ion Ratio Lower Upper

93 100

95 83.9 0.0 170.6

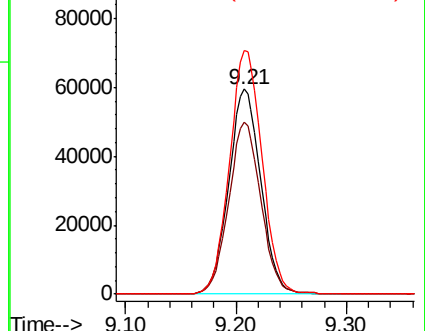
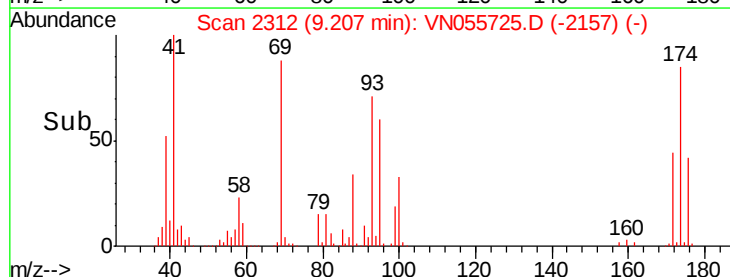
174 120.5 0.0 248.4

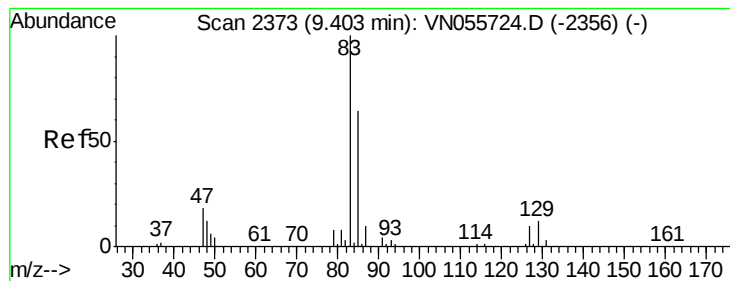


Abundance Ion 93.00 (92.70 to 93.70): VN055725.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN055725.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN055725.D (-2157) (-)





#41

Bromodichloromethane

Concen: 47.907 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

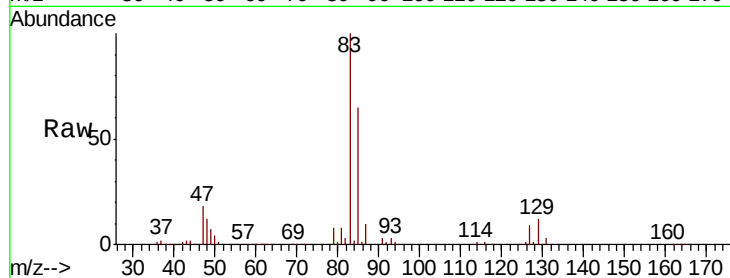
Tot Ion: 83 Resp: 245210

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.0

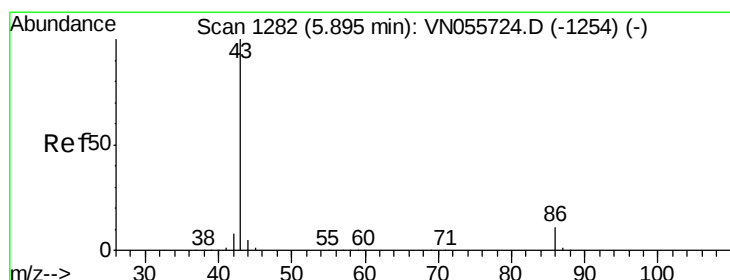
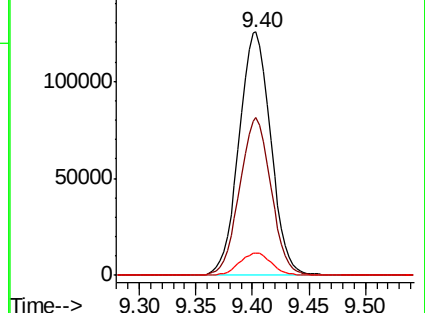
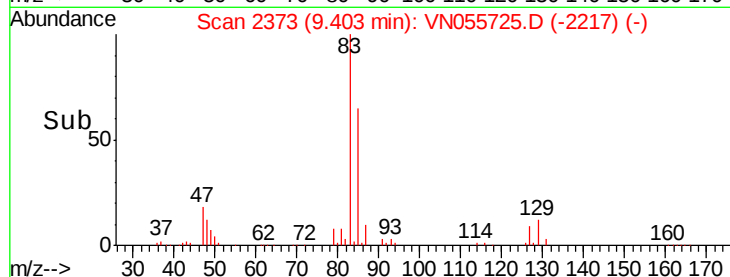
127 9.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 237.735 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055725.D

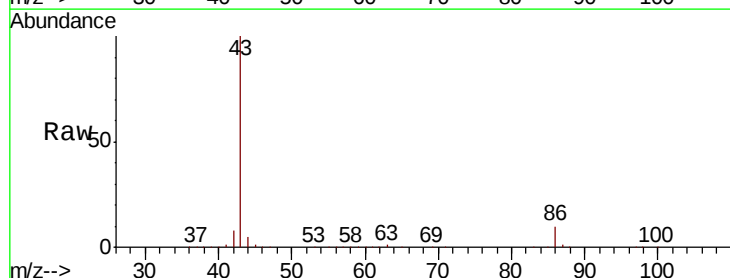
Acq: 22 May 2019 17:47

Tgt Ion: 43 Resp: 2334131

Ion Ratio Lower Upper

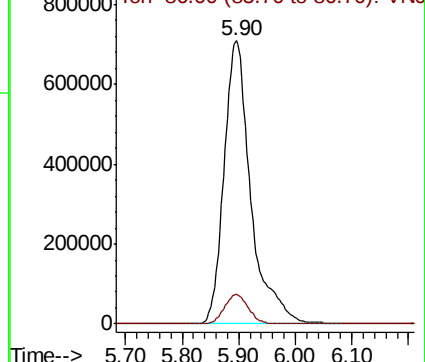
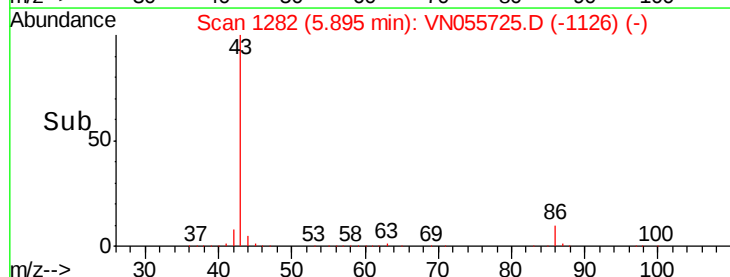
43 100

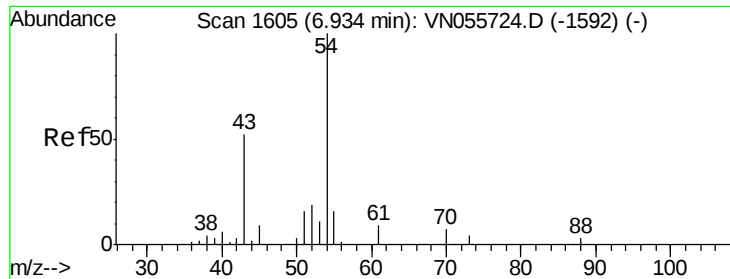
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

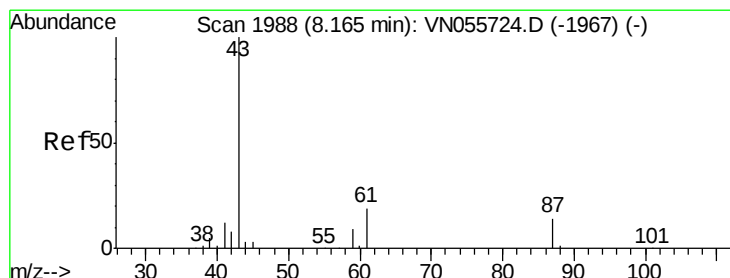
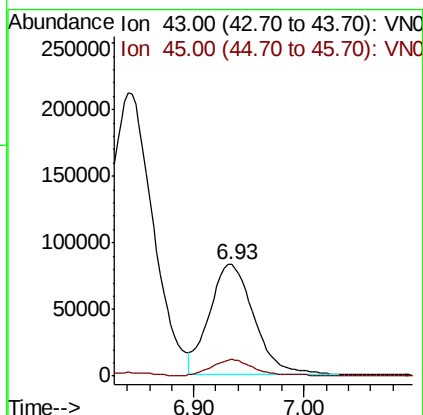
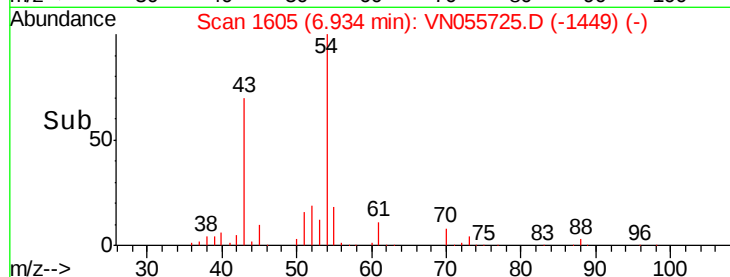
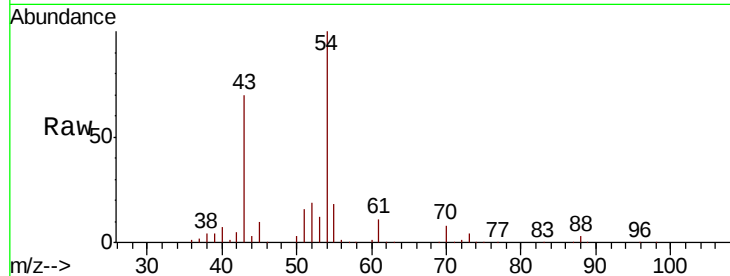




#43
Ethyl Acetate
Concen: 52.385 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

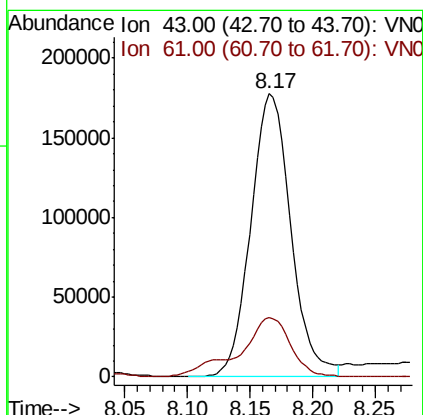
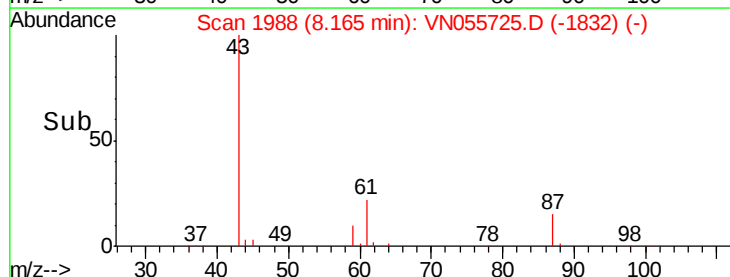
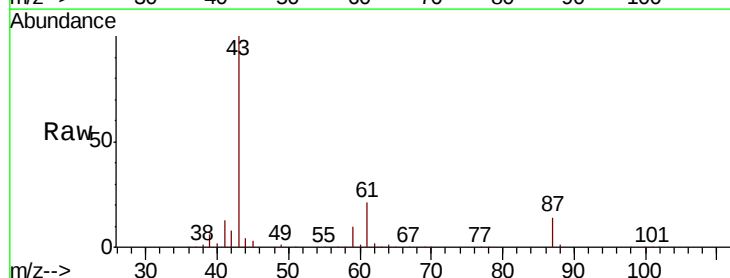
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

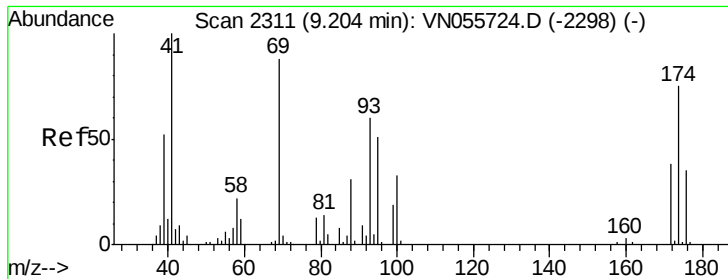
Tot Ion: 43 Resp: 229520
Ion Ratio Lower Upper
43 100
45 15.6 0.0 0.0#



#44
Isopropyl Acetate
Concen: 50.414 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 43 Resp: 393270
Ion Ratio Lower Upper
43 100
61 20.8 22.1 33.1#

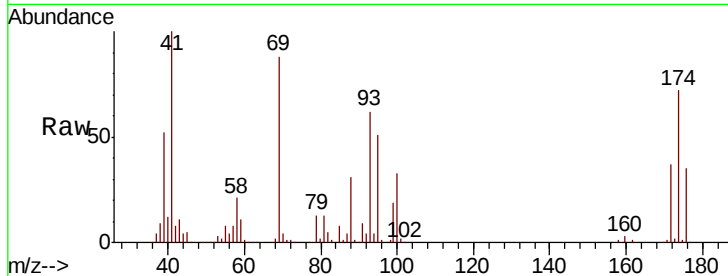




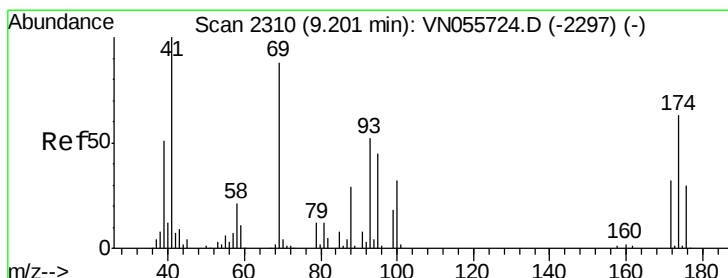
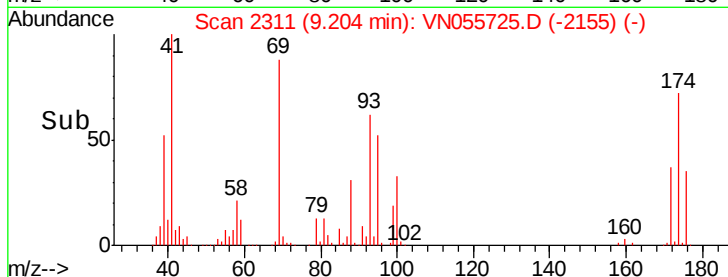
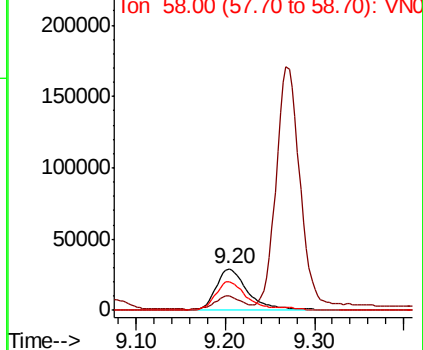
#45
 1,4-Dioxane
 Concen: 1567.706 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 88 Resp: 73260
 Ion Ratio Lower Upper
 88 100
 43 26.5 20.5 30.7
 58 66.7 56.1 84.1

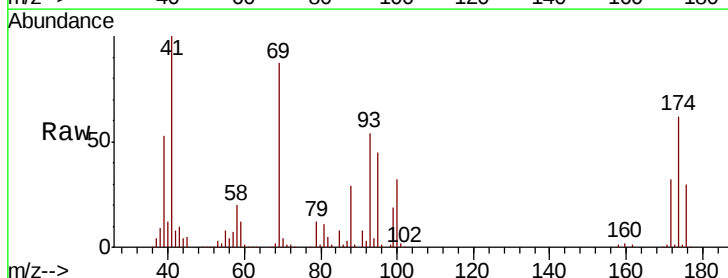


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

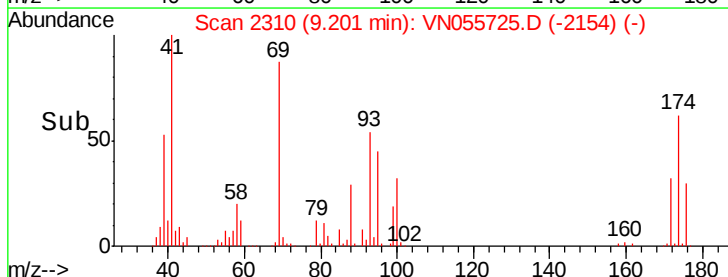
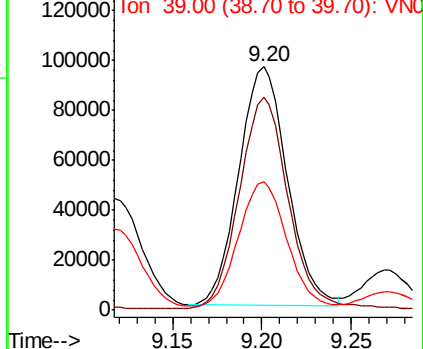


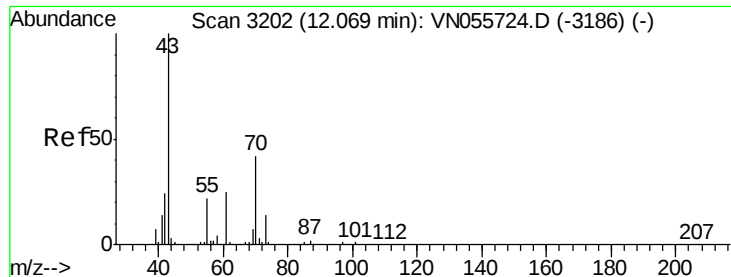
#46
 Methyl methacrylate
 Concen: 49.492 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion: 41 Resp: 182230
 Ion Ratio Lower Upper
 41 100
 69 88.5 43.8 131.4
 39 52.1 25.6 76.6



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

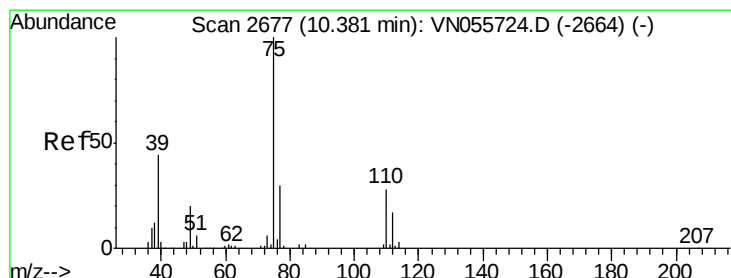
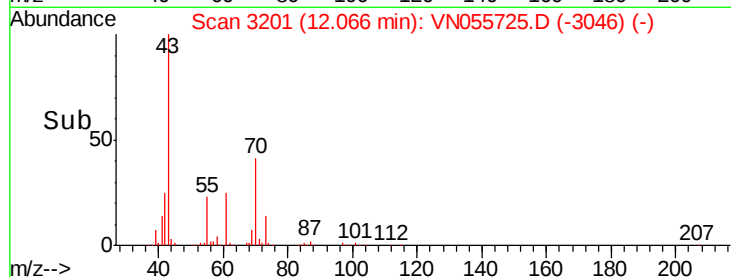
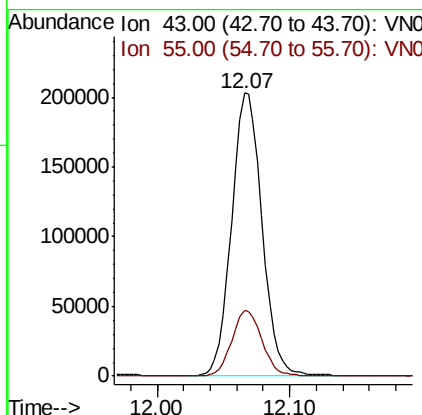
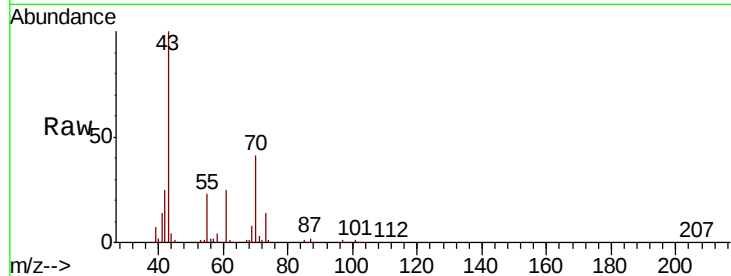




#47
 n-amvl Acetate
 Concen: 55.068 ug/l
 RT: 12.07 min Scan# 3201
 Delta R.T. -0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

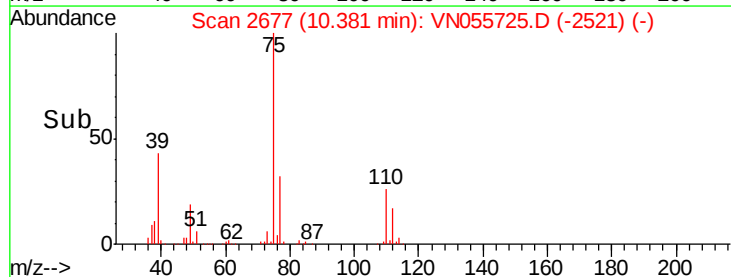
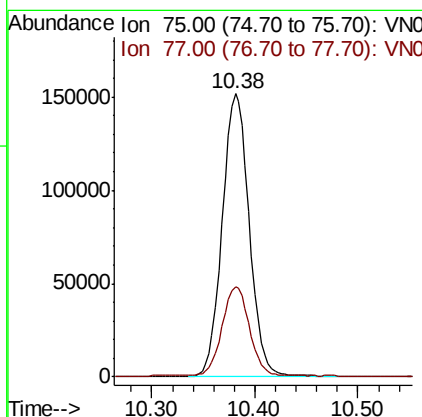
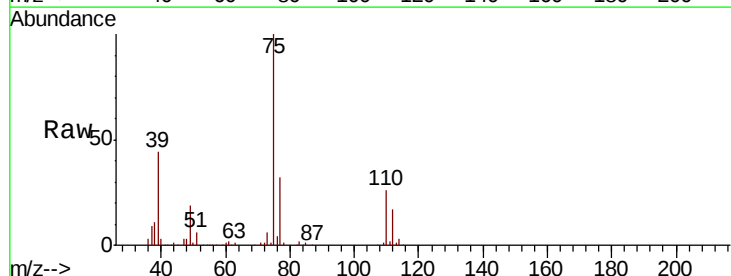
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

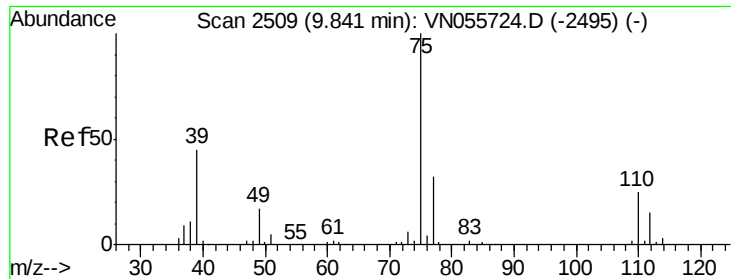
Tot Ion: 43 Resp: 321547
 Ion Ratio Lower Upper
 43 100
 55 23.0 17.8 26.6



#48
 t-1,3-Dichloropropene
 Concen: 53.639 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion: 75 Resp: 277375
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8

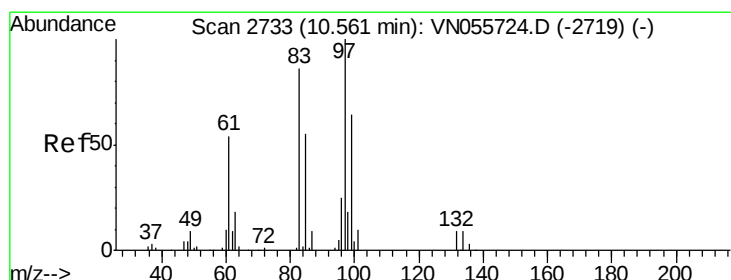
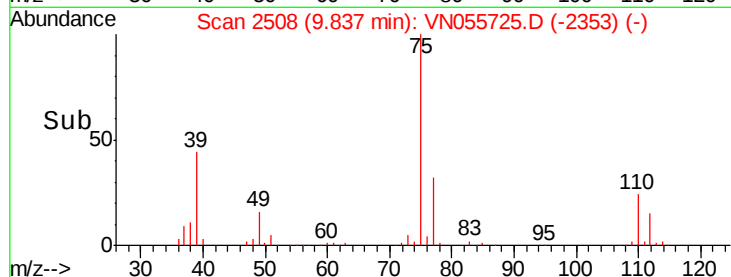
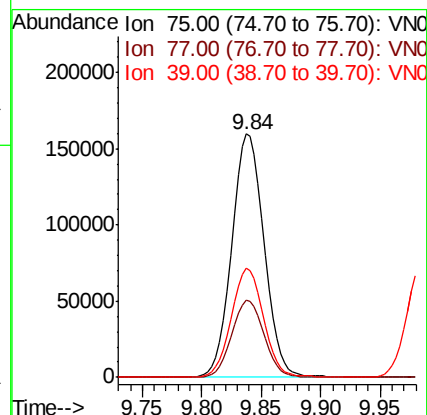
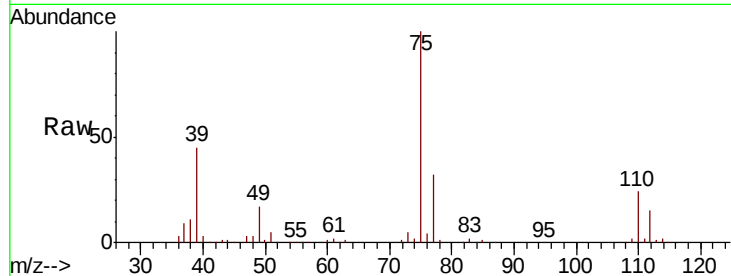




#49
 cis-1,3-Dichloropropene
 Concen: 50.808 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

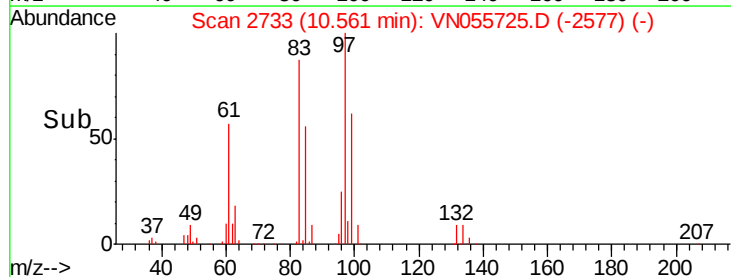
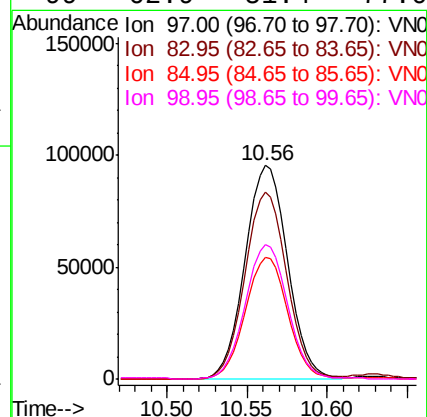
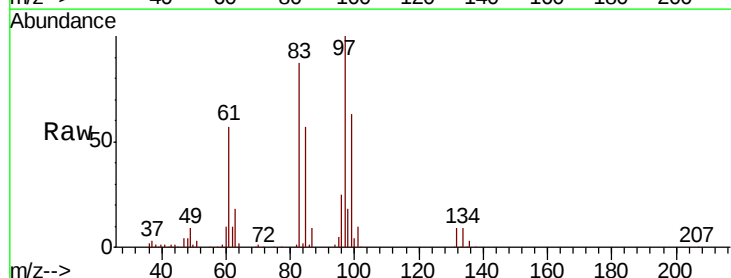
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

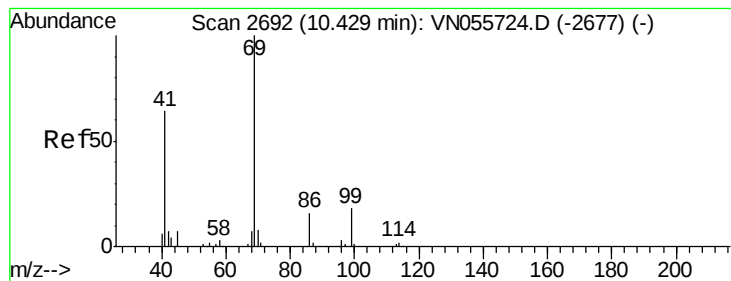
Tot Ion: 75 Resp: 300615
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.0 39.0
 39 44.5 36.2 54.4



#50
 1,1,2-Trichloroethane
 Concen: 50.323 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion: 97 Resp: 173315
 Ion Ratio Lower Upper
 97 100
 83 87.2 68.9 103.3
 85 57.0 44.3 66.5
 99 62.9 51.4 77.0





#51

Ethyl methacrylate

Concen: 57.469 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

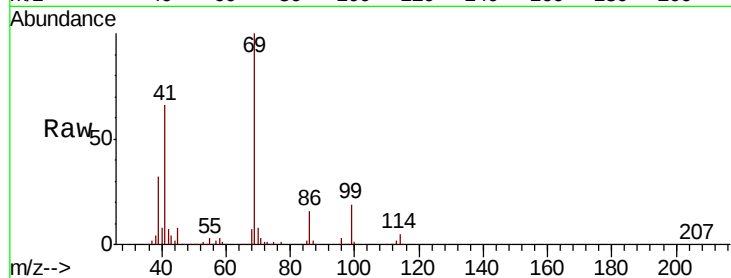
Tot Ion: 69 Resp: 283286

Ion Ratio Lower Upper

69 100

41 65.2 31.9 95.7

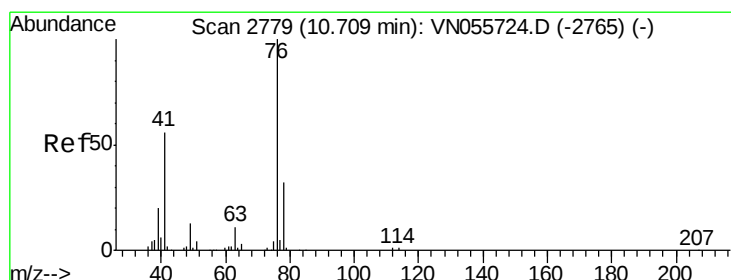
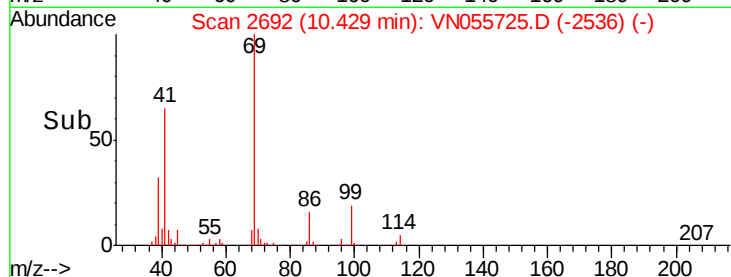
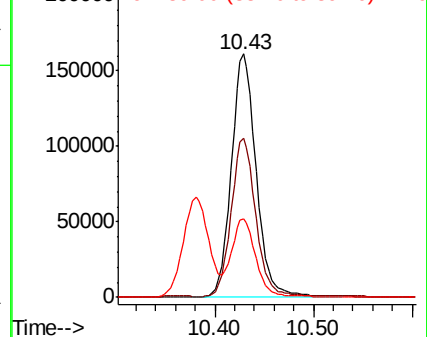
39 32.0 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 47.562 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055725.D

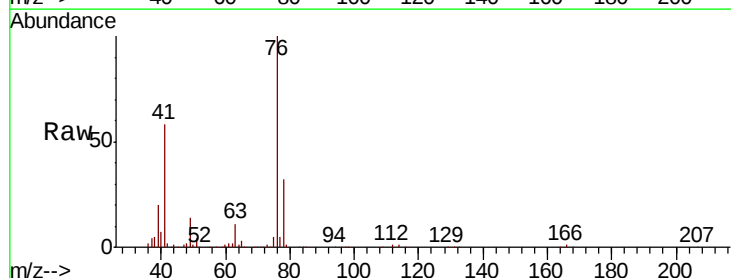
Acq: 22 May 2019 17:47

Tgt Ion: 76 Resp: 287551

Ion Ratio Lower Upper

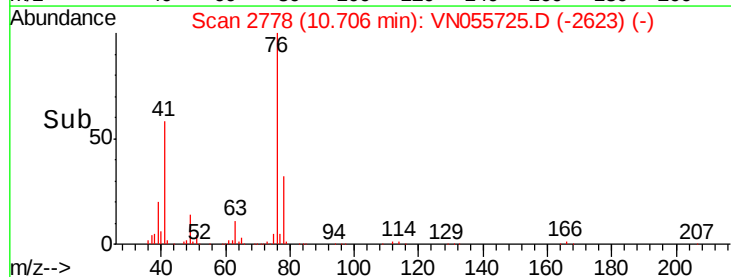
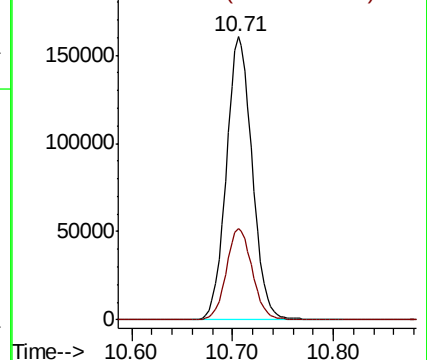
76 100

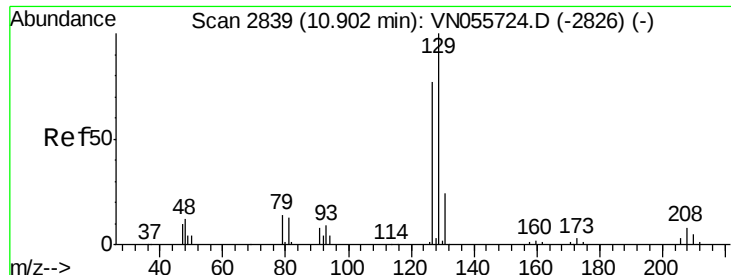
78 32.4 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 56.262 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

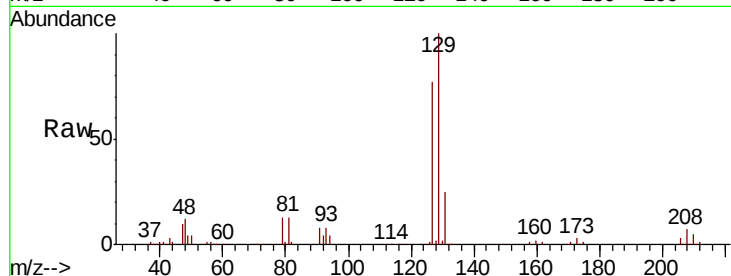
VSTDIC050

Tot Ion:129 Resp: 207287

Ion Ratio Lower Upper

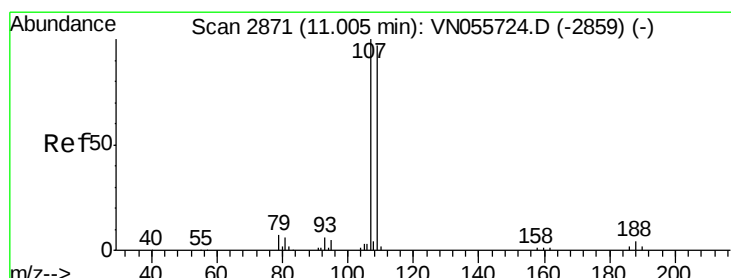
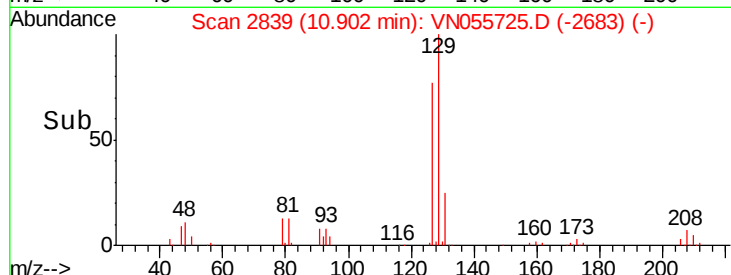
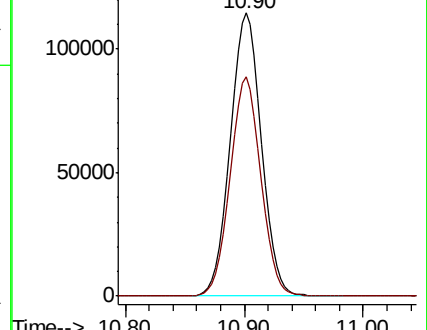
129 100

127 76.5 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 53.309 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055725.D

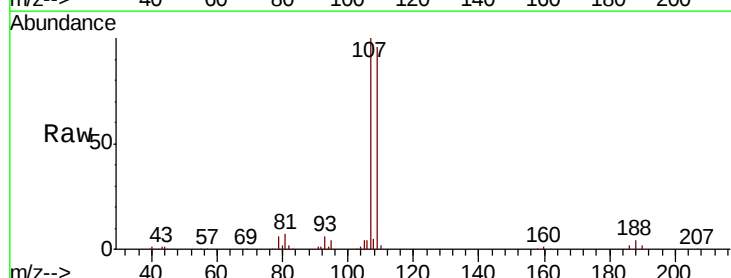
Acq: 22 May 2019 17:47

Tgt Ion:107 Resp: 181764

Ion Ratio Lower Upper

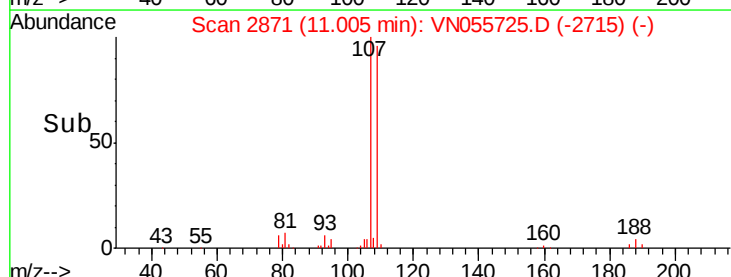
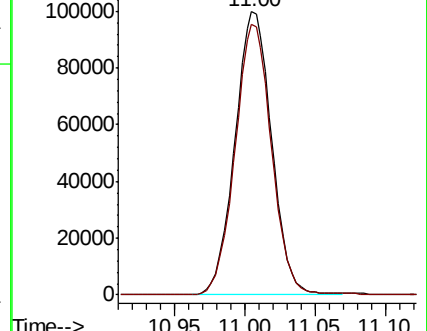
107 100

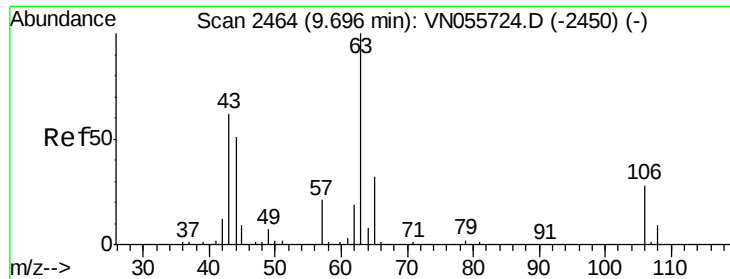
109 95.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

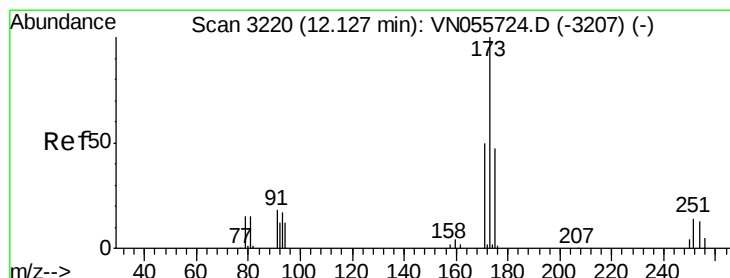
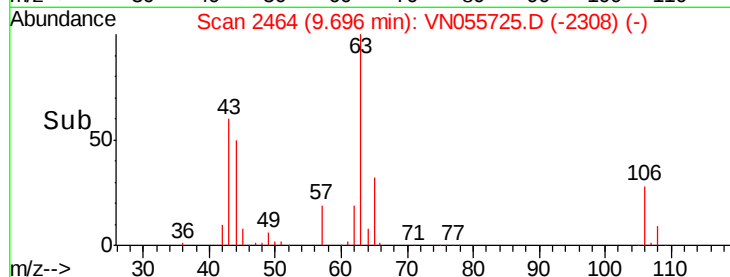
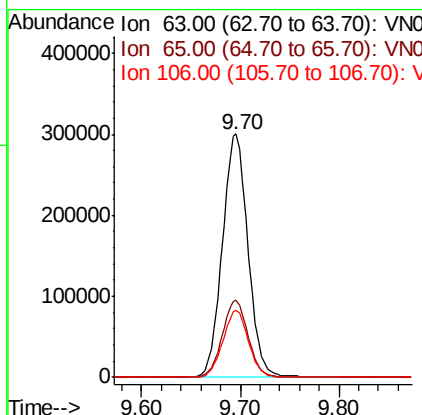
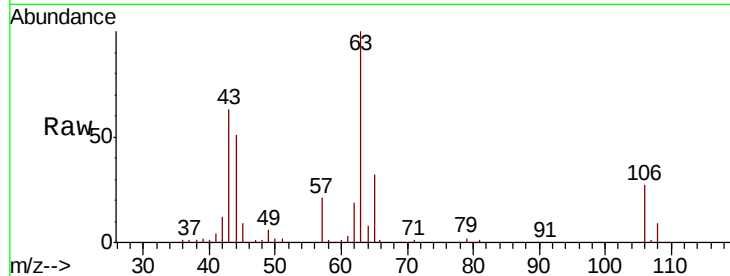




#55
2-Chloroethyl vinyl ether
Concen: 345.779 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

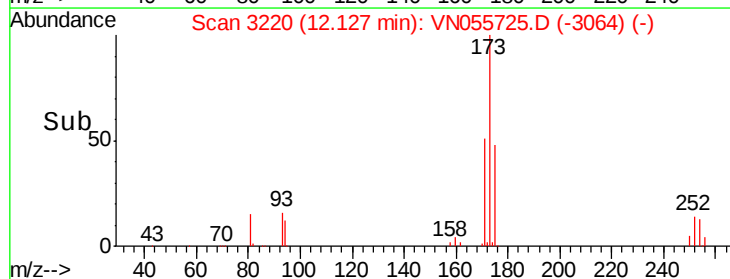
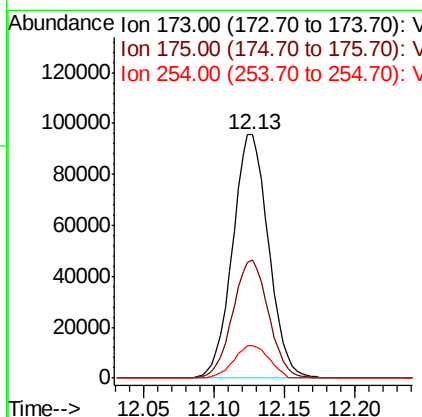
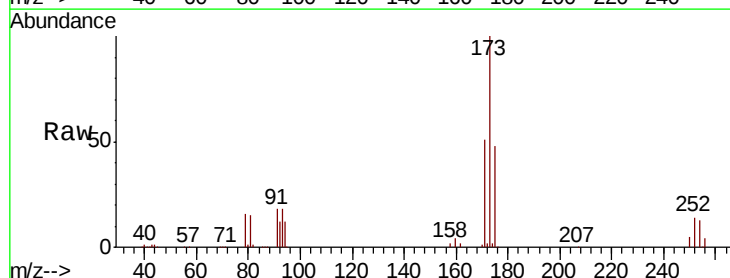
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

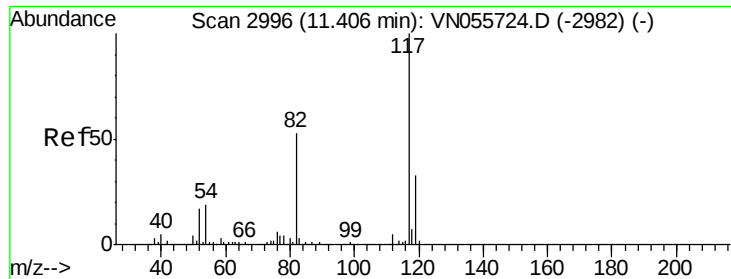
Tot Ion: 63 Resp: 546708
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.0
106 27.6 22.1 33.1



#56
Bromoform
Concen: 66.732 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 173 Resp: 170693
Ion Ratio Lower Upper
173 100
175 48.3 38.5 57.7
254 13.1 9.4 14.0

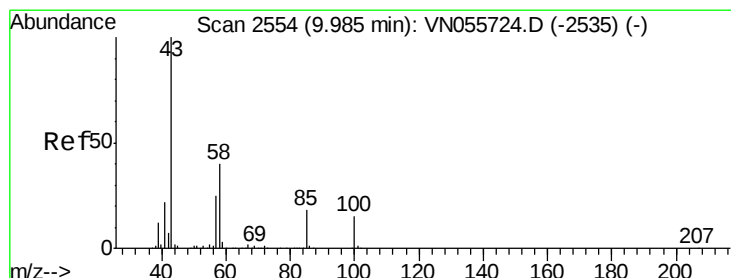
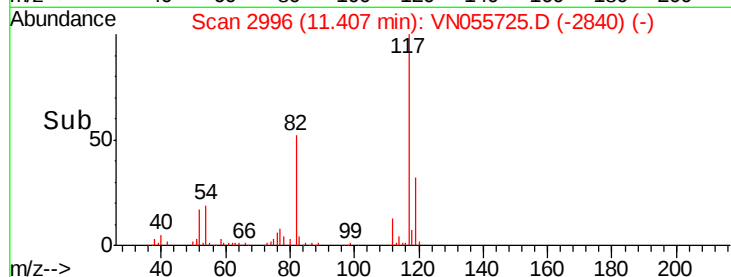
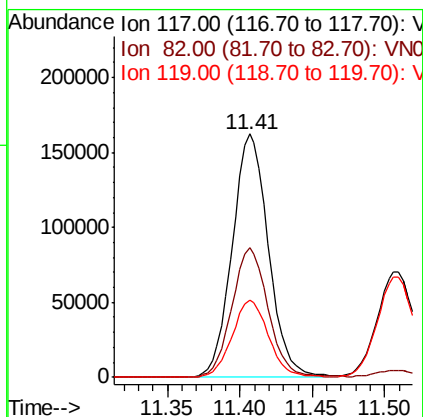
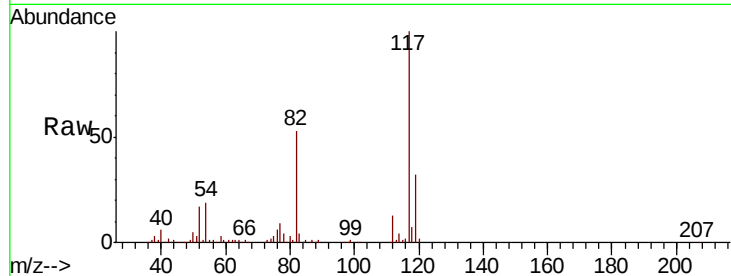




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

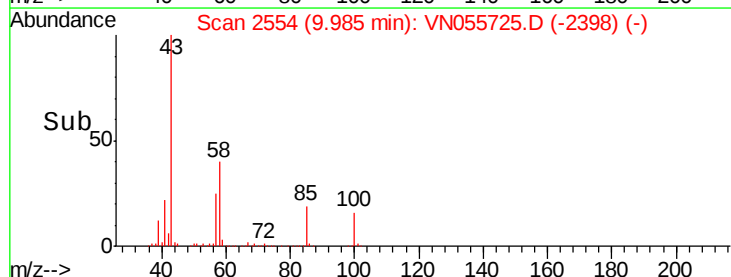
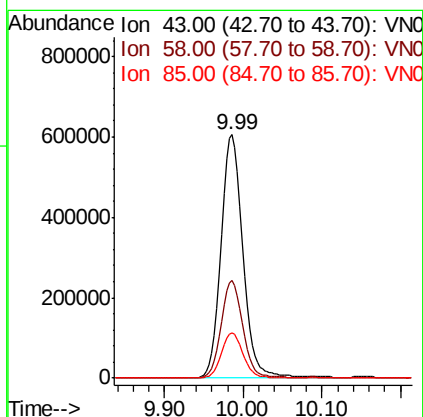
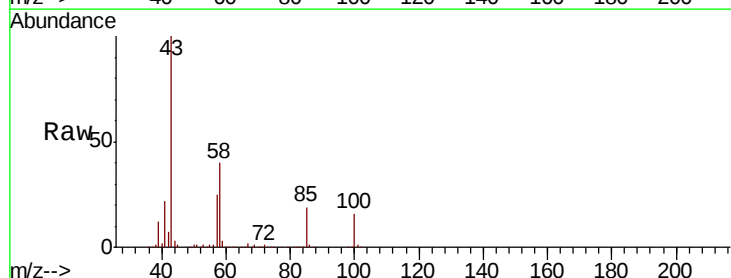
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

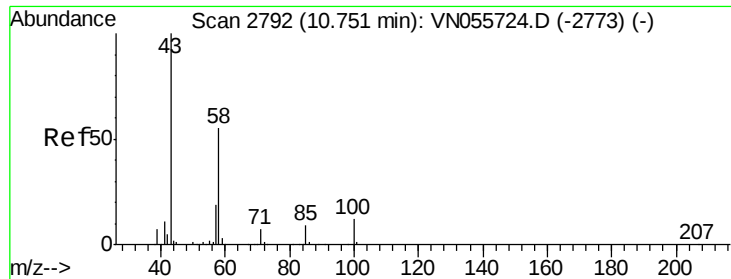
Tot Ion:117 Resp: 282227
 Ion Ratio Lower Upper
 117 100
 82 53.5 42.6 64.0
 119 32.0 25.9 38.9



#58
 4-Methyl-2-Pentanone
 Concen: 258.992 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion: 43 Resp: 1159790
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.7 47.5
 85 18.4 14.5 21.7

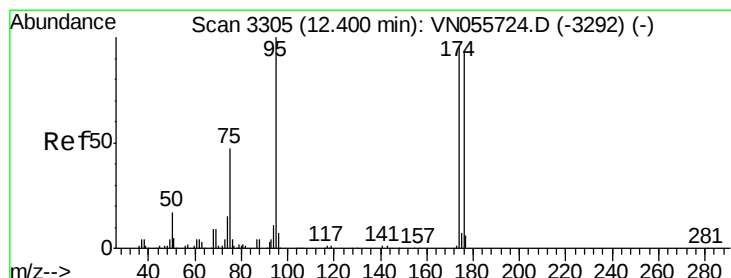
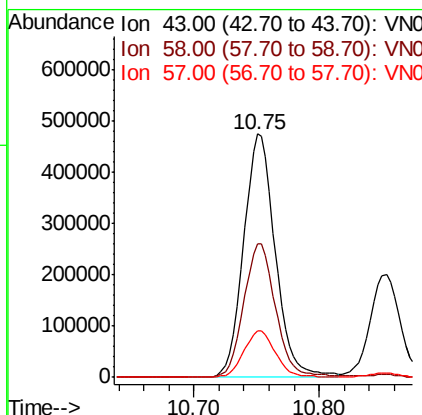
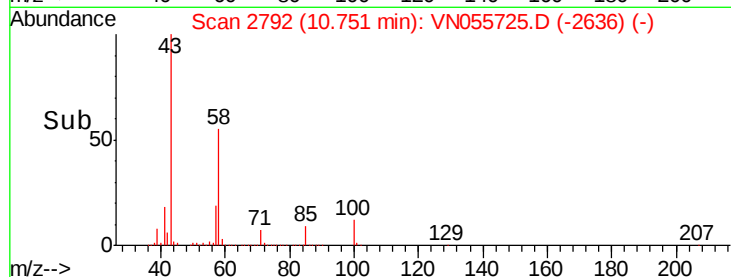
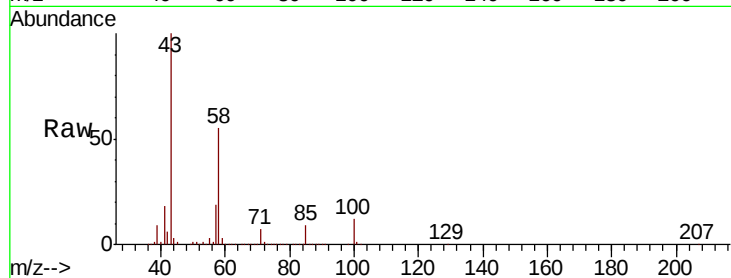




#59
2-Hexanone
Concen: 282.698 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

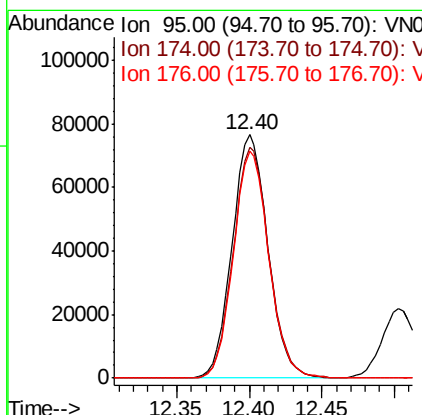
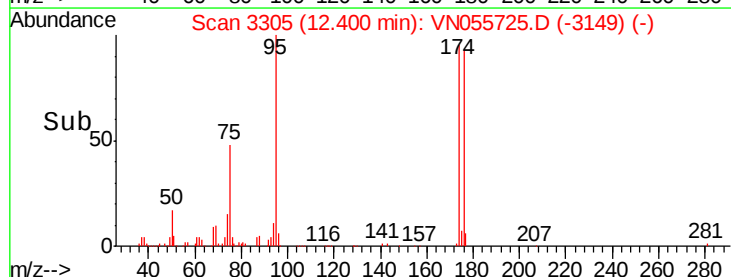
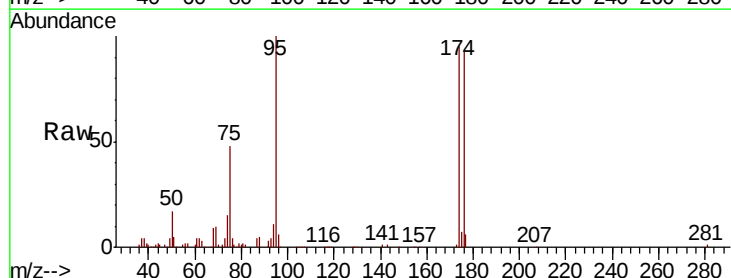
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

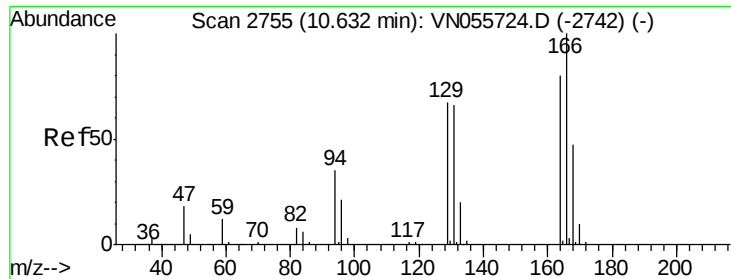
Tot Ion: 43 Resp: 829259
Ion Ratio Lower Upper
43 100
58 55.7 44.8 67.2
57 19.5 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 30.151 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 95 Resp: 131441
Ion Ratio Lower Upper
95 100
174 94.5 75.7 113.5
176 92.2 74.1 111.1





#61

Tetrachloroethene

Concen: 51.538 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 189742

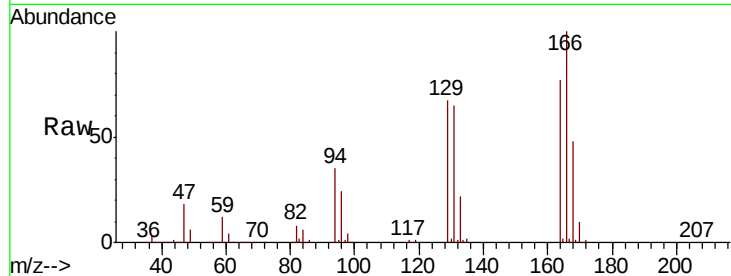
Ion Ratio Lower Upper

164 100

166 130.1 100.6 150.8

129 86.6 67.4 101.2

131 84.7 66.6 99.8

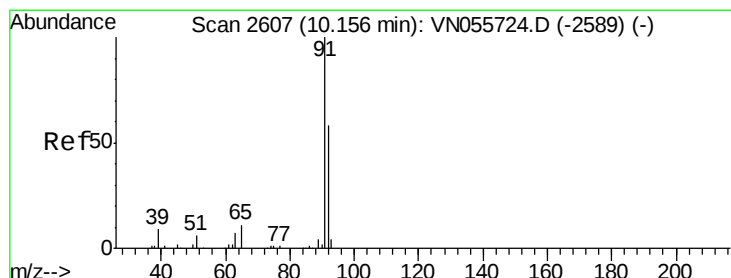
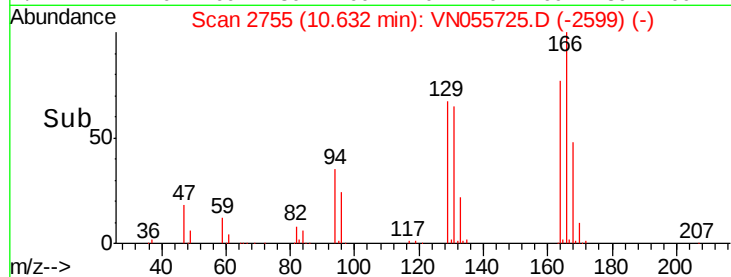
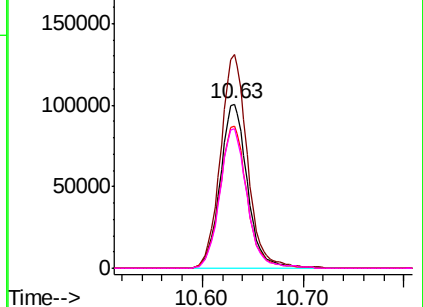


Abundance Ion 163.85 (163.55 to 164.55): V

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: 48.052 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055725.D

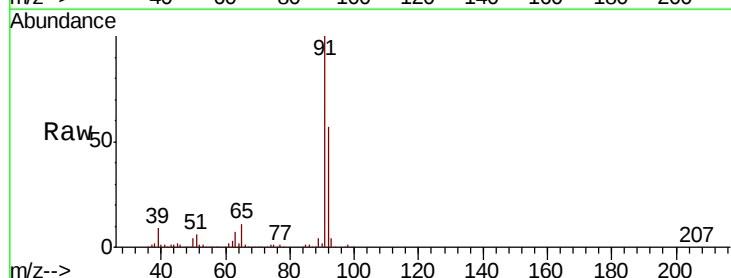
Acq: 22 May 2019 17:47

Tgt Ion: 91 Resp: 761498

Ion Ratio Lower Upper

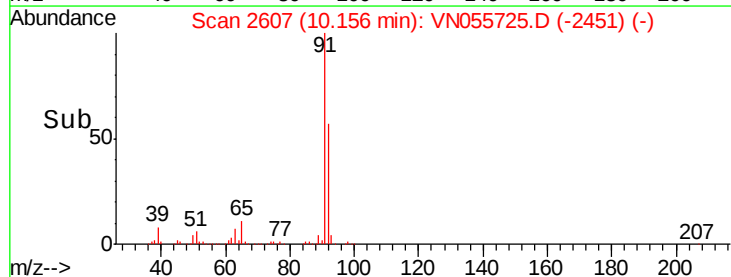
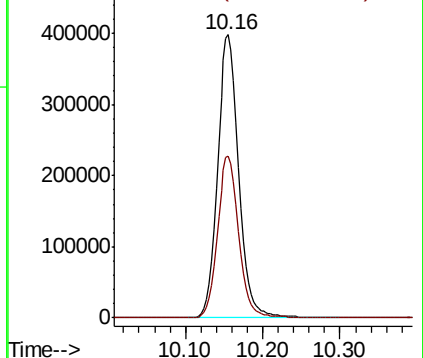
91 100

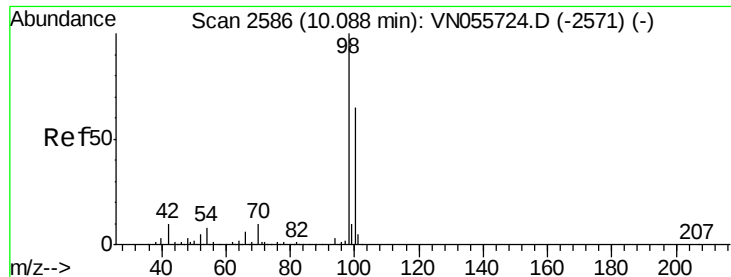
92 57.5 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 28.967 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

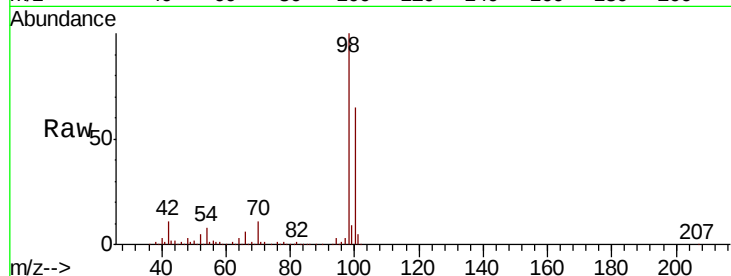
VSTDIC050

Tot Ion: 98 Resp: 385920

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055724.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-2571) (-)

10.09

200000

150000

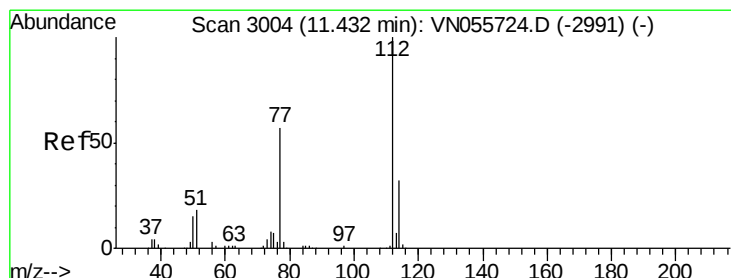
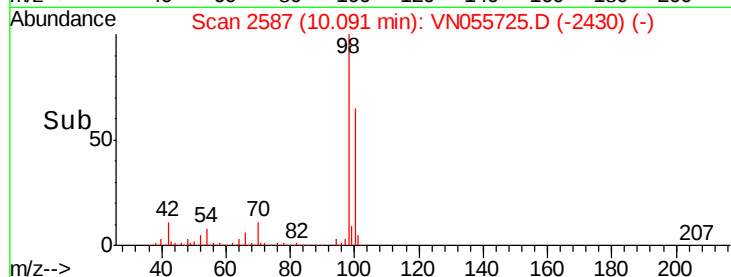
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 48.712 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055725.D

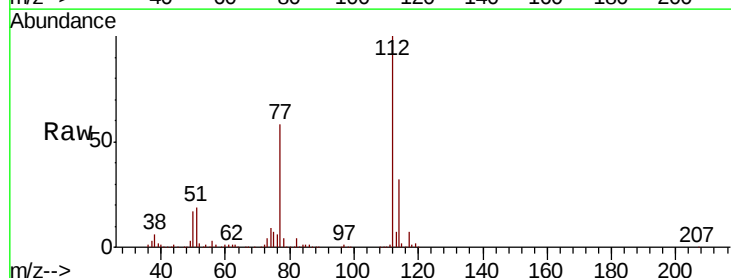
Acq: 22 May 2019 17:47

Tgt Ion: 112 Resp: 459654

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055724.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN055724.D (-2991) (-)

11.43

300000

250000

200000

150000

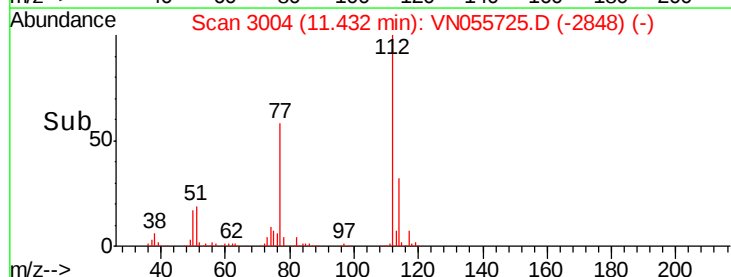
100000

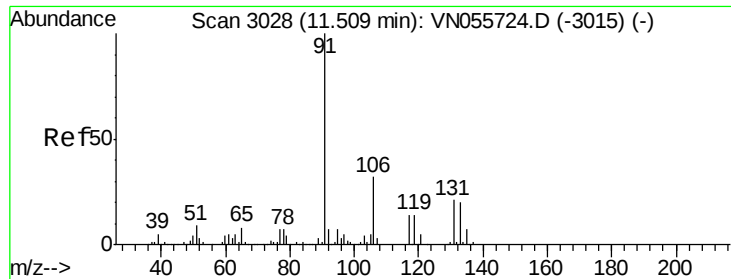
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 51.208 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

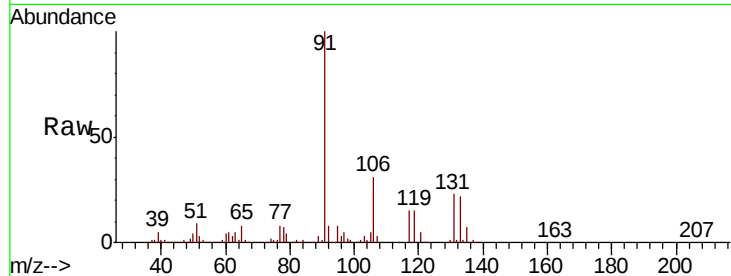
Tot Ion:131 Resp: 183730

Ion Ratio Lower Upper

131 100

133 96.8 0.0 188.8

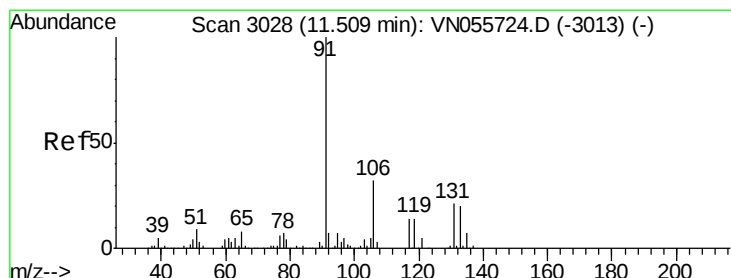
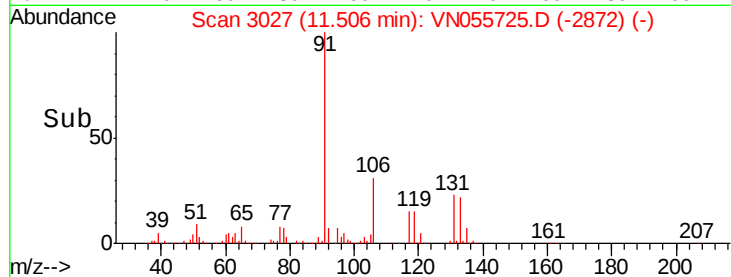
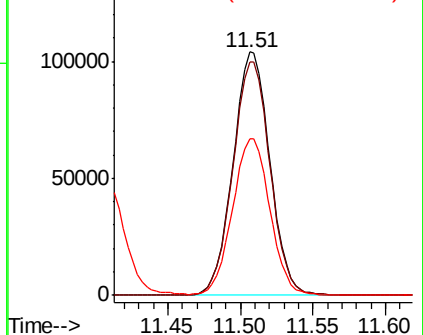
119 65.4 0.0 133.6



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: 48.696 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055725.D

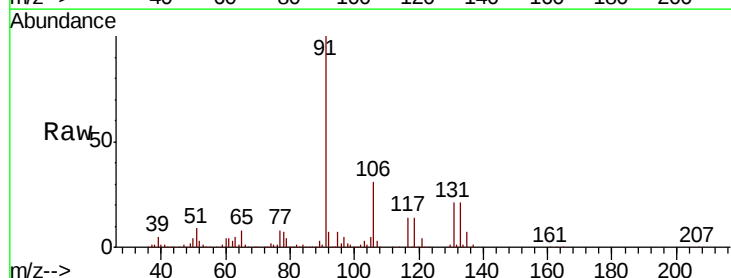
Acq: 22 May 2019 17:47

Tgt Ion: 91 Resp: 827792

Ion Ratio Lower Upper

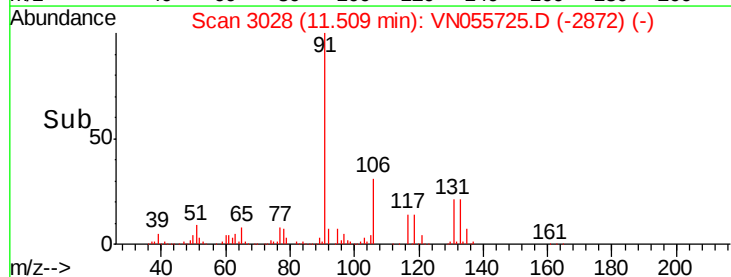
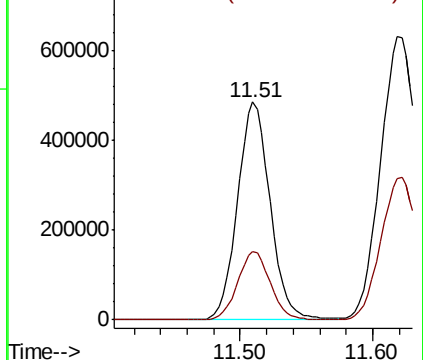
91 100

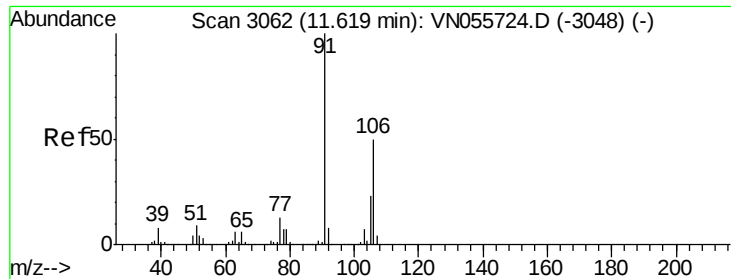
106 31.3 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 100.833 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

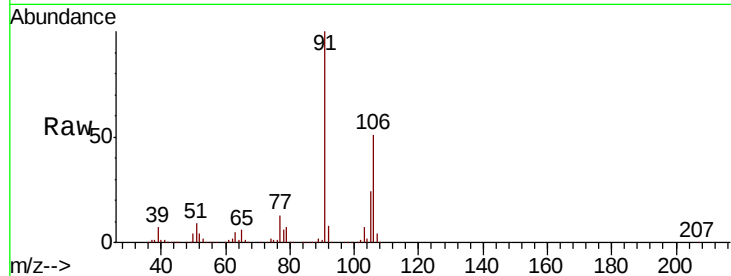
VSTDIC050

Tot Ion:106 Resp: 629487

Ion Ratio Lower Upper

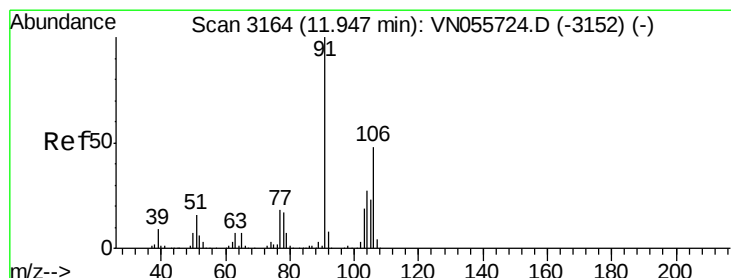
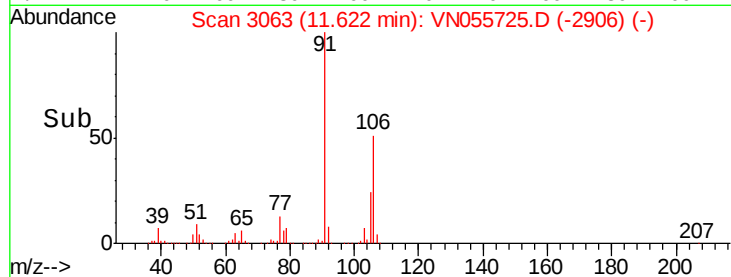
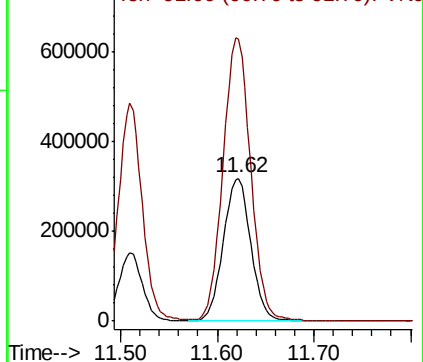
106 100

91 199.2 159.5 239.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 49.741 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055725.D

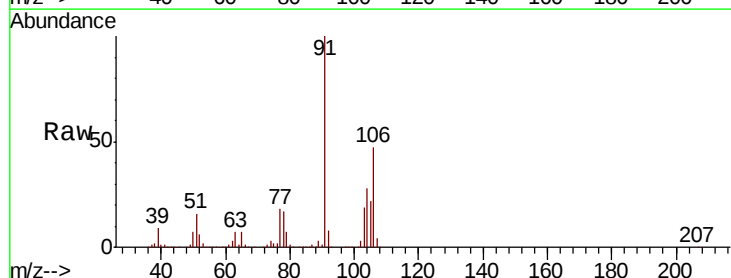
Acq: 22 May 2019 17:47

Tgt Ion:106 Resp: 308541

Ion Ratio Lower Upper

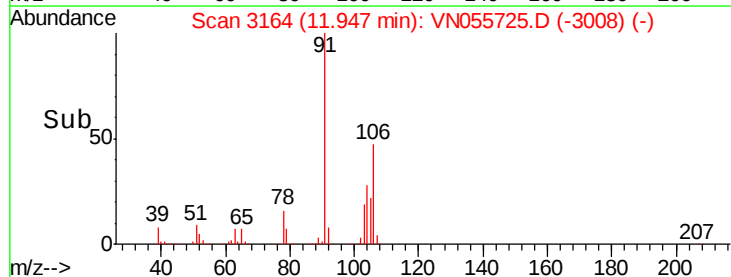
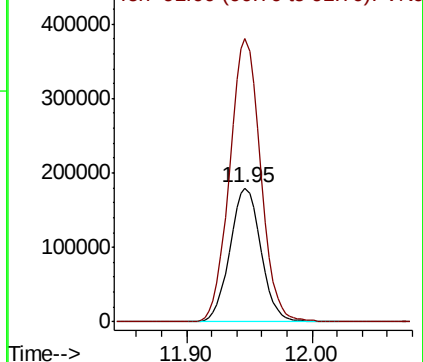
106 100

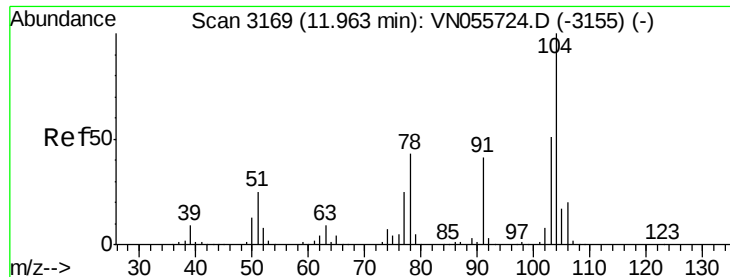
91 211.1 105.4 316.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Stvrene

Concen: 53.163 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

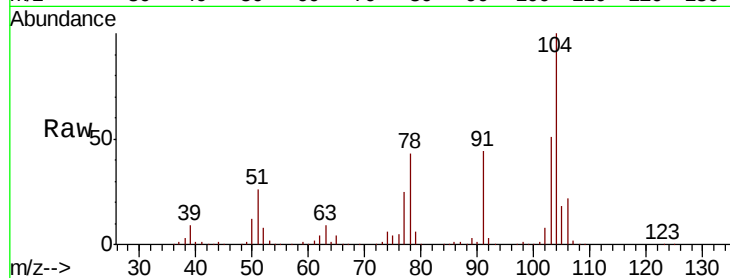
Tot Ion:104 Resp: 520606

Ion Ratio Lower Upper

104 100

78 47.8 38.7 58.1

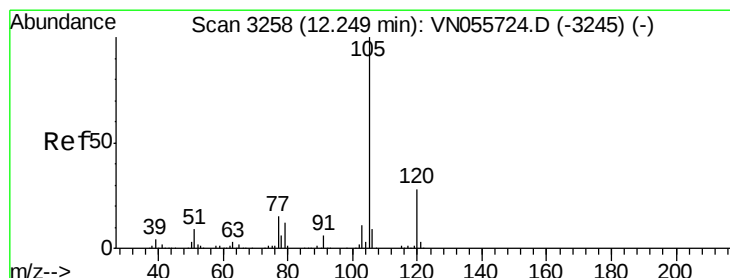
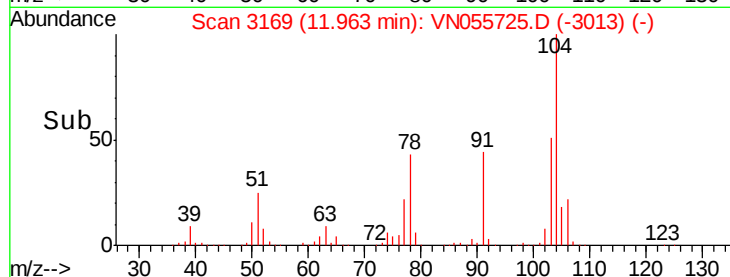
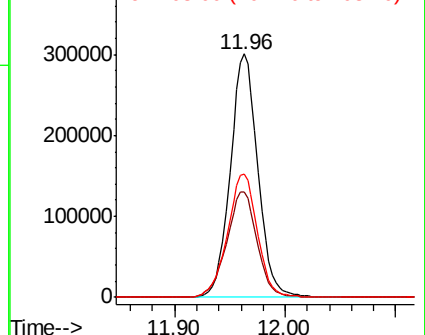
103 55.0 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 49.544 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055725.D

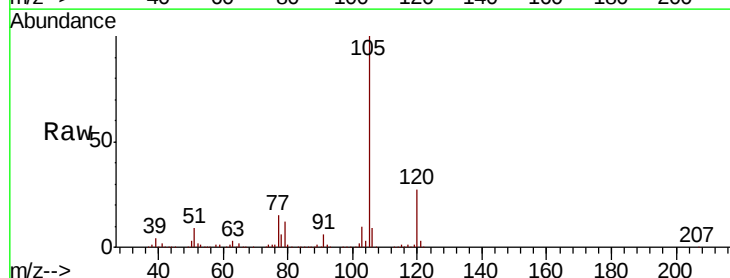
Acq: 22 May 2019 17:47

Tgt Ion:105 Resp: 808703

Ion Ratio Lower Upper

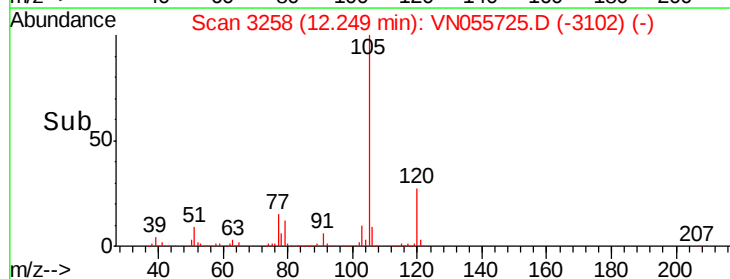
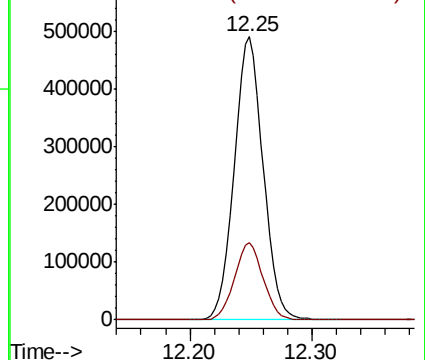
105 100

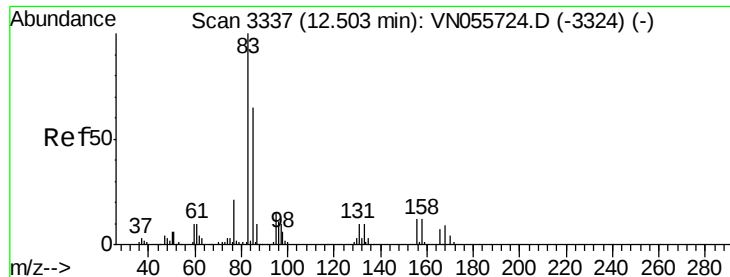
120 27.0 19.2 35.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

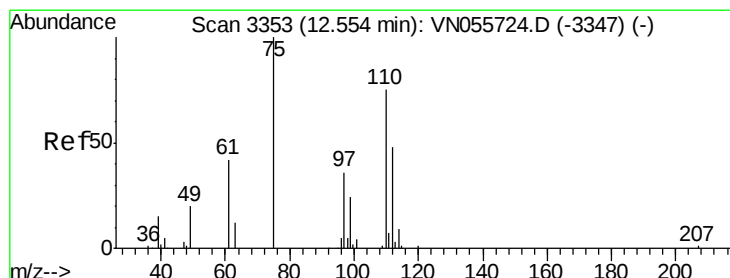
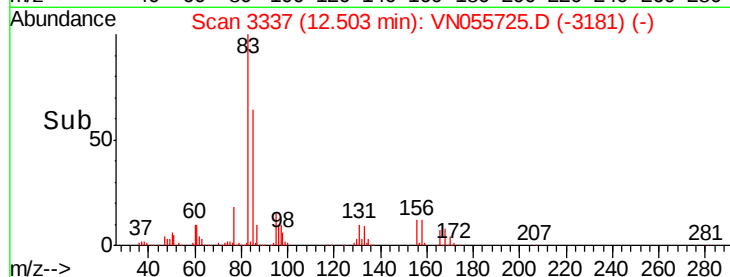
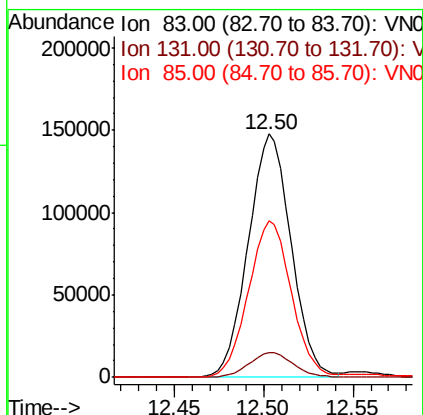
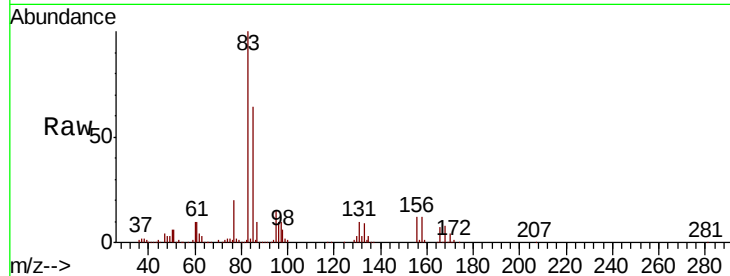




#71
 1,1,2,2-Tetrachloroethane
 Concen: 53.634 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

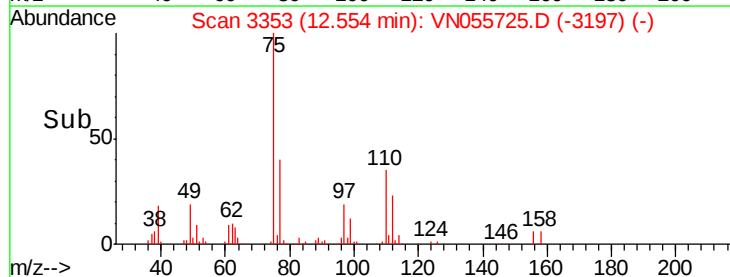
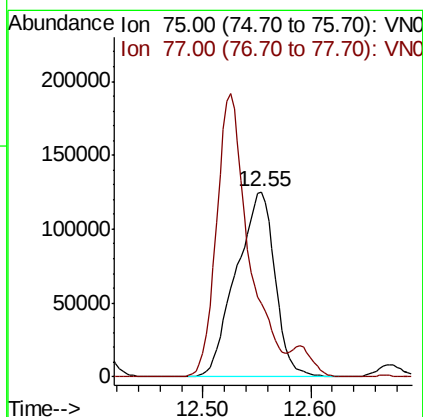
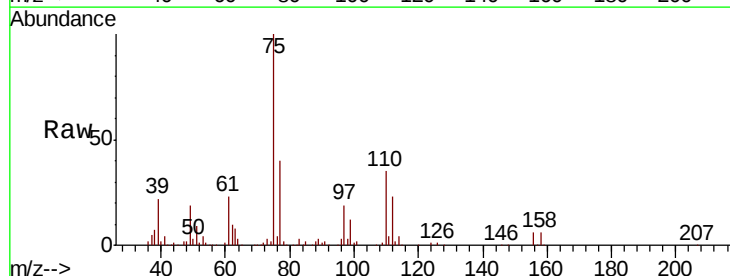
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

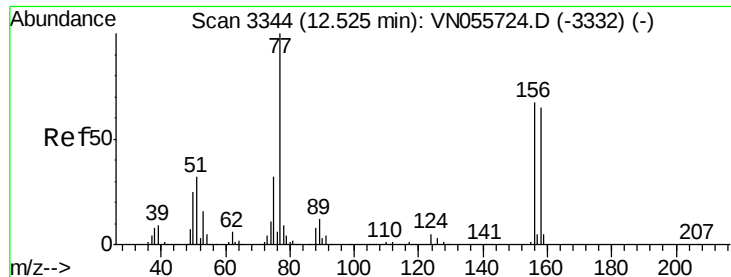
Tot Ion	83	Resp	248702
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.2	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 77.252 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion	75	Resp	312993
Ion Ratio	Lower	Upper	
75	100		
77	127.1	0.0	349.8





#73

Bromobenzene

Concen: 54.103 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

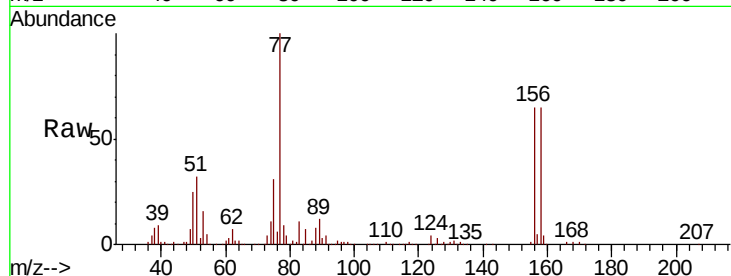
Tot Ion:156 Resp: 215271

Ion Ratio Lower Upper

156 100

77 184.8 0.0 368.0

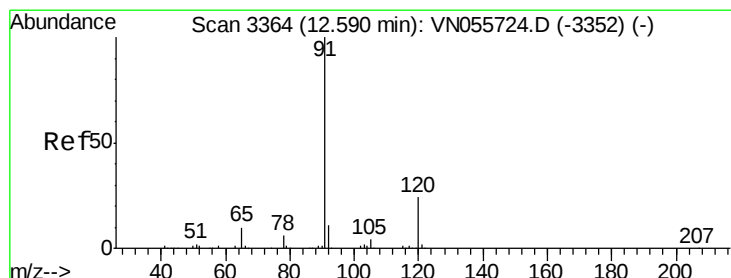
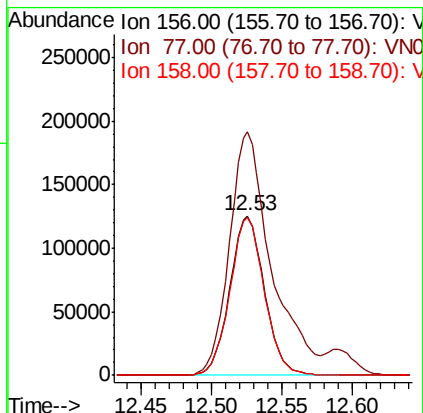
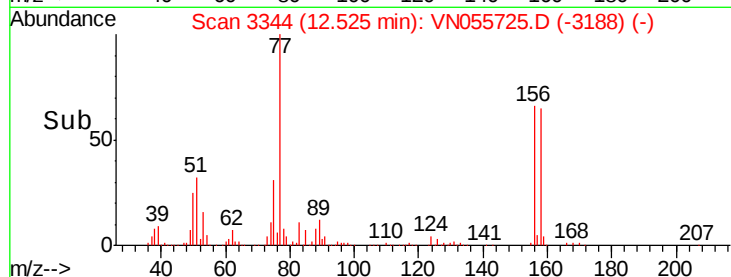
158 98.7 0.0 195.0



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: 48.880 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055725.D

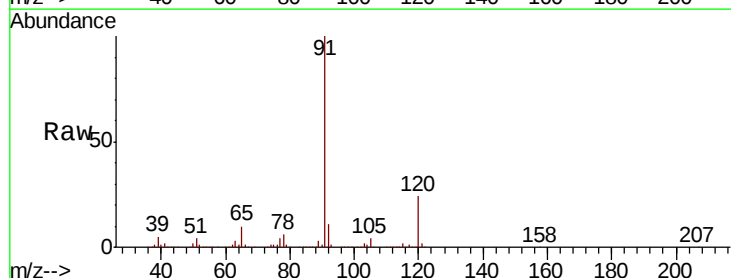
Acq: 22 May 2019 17:47

Tgt Ion: 91 Resp: 884919

Ion Ratio Lower Upper

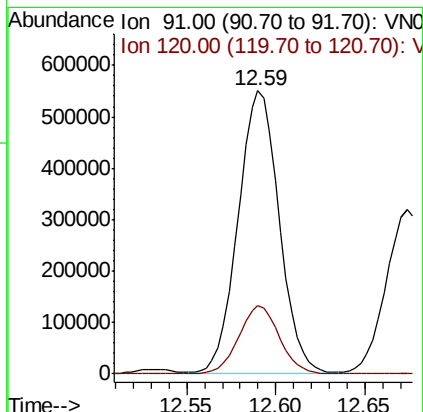
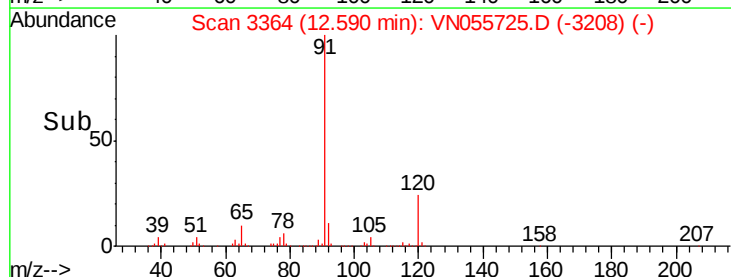
91 100

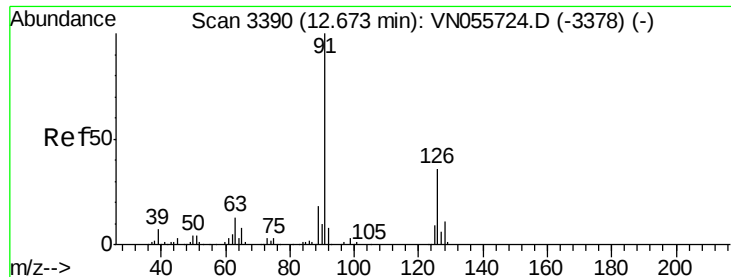
120 23.8 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 48.331 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

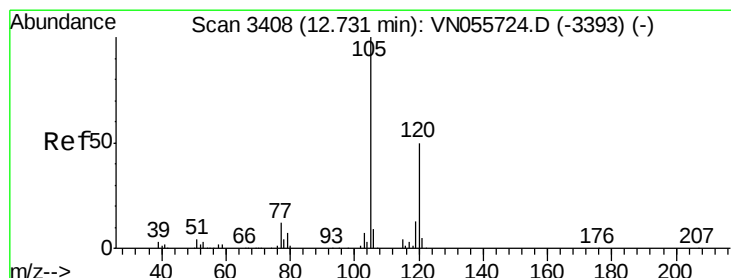
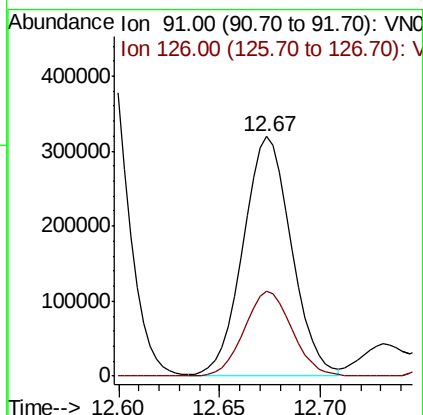
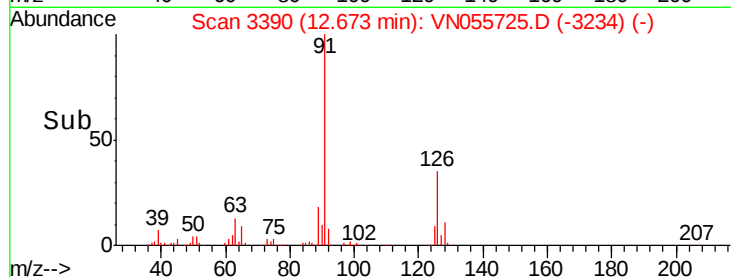
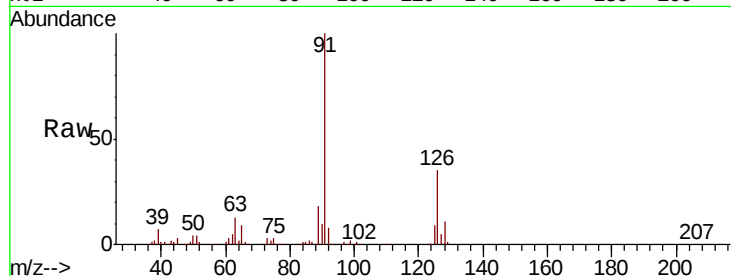
VSTDIC050

Tot Ion: 91 Resp: 537051

Ion Ratio Lower Upper

91 100

126 35.1 0.0 71.0



#76

1,3,5-Trimethylbenzene

Concen: 50.026 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055725.D

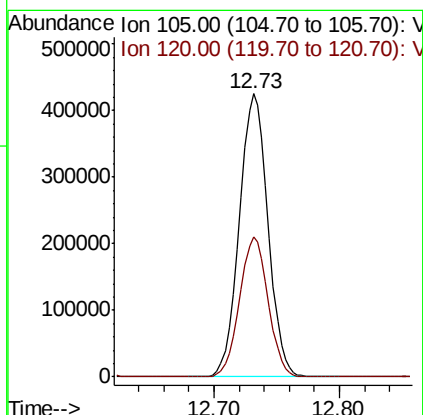
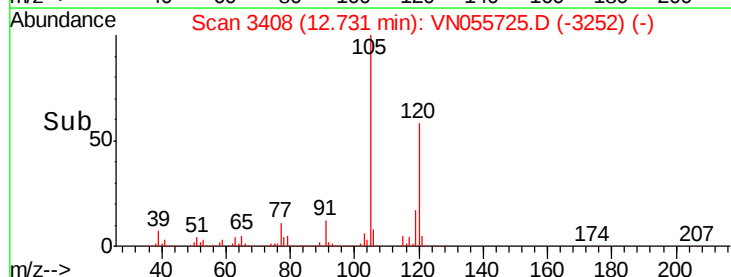
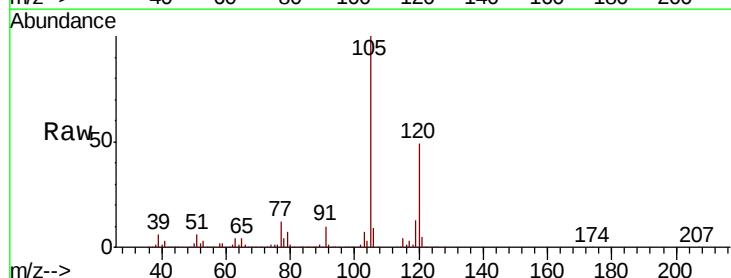
Acq: 22 May 2019 17:47

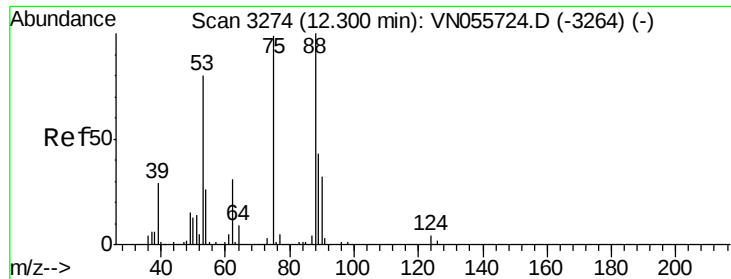
Tgt Ion:105 Resp: 673722

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.2





#77

t-1,4-Dichloro-2-butene

Concen: 71.233 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

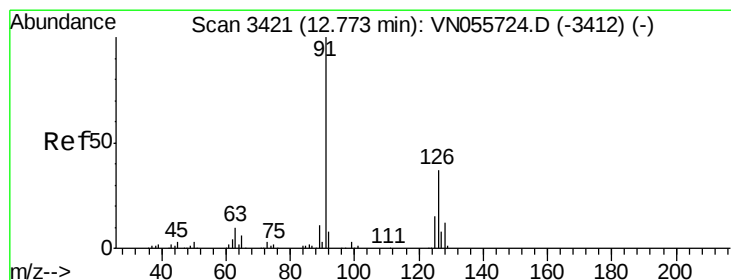
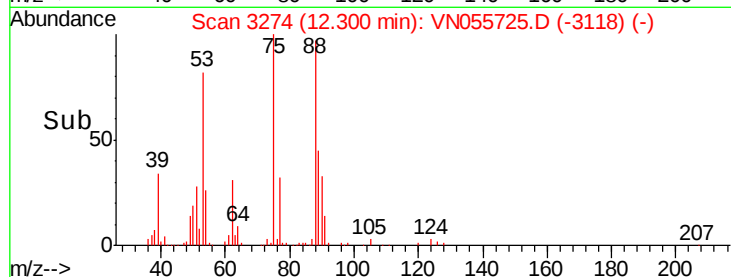
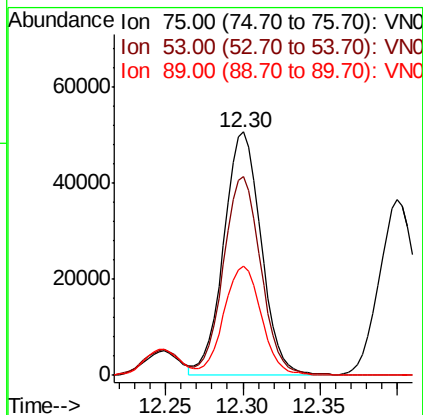
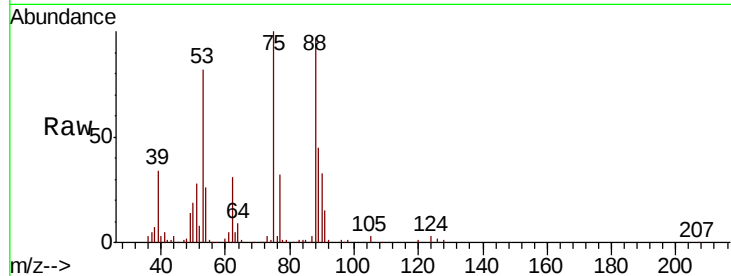
Tot Ion: 75 Resp: 84890

Ion Ratio Lower Upper

75 100

53 81.7 40.1 120.3

89 45.0 22.6 67.8



#78

4-Chlorotoluene

Concen: 49.492 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055725.D

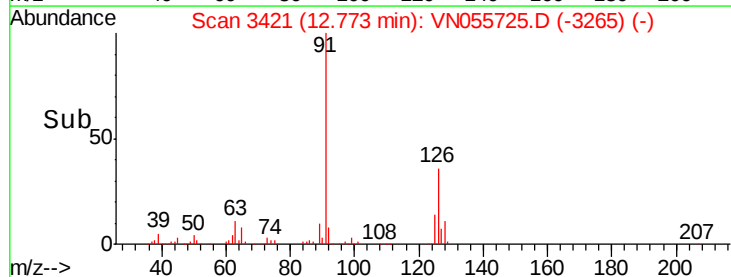
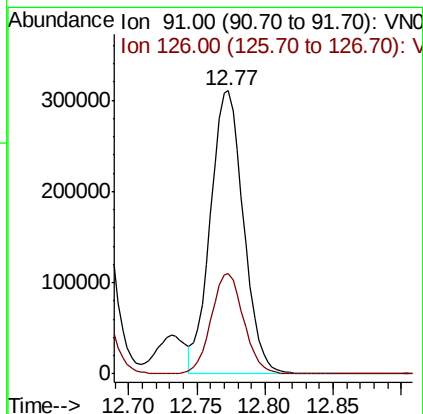
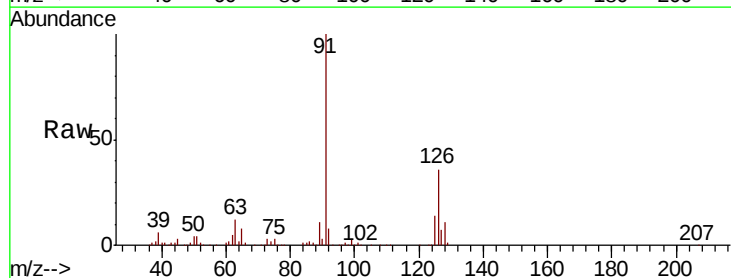
Acq: 22 May 2019 17:47

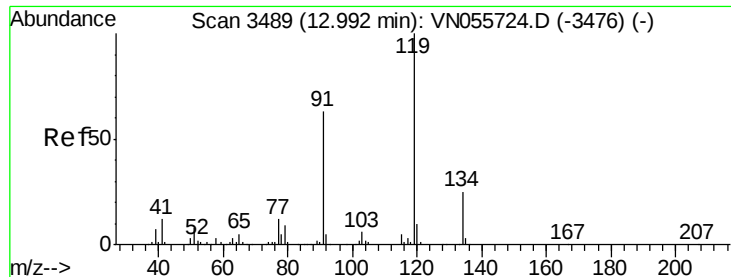
Tgt Ion: 91 Resp: 521367

Ion Ratio Lower Upper

91 100

126 34.9 0.0 69.0

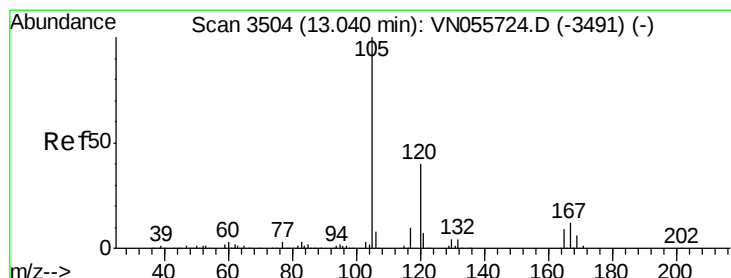
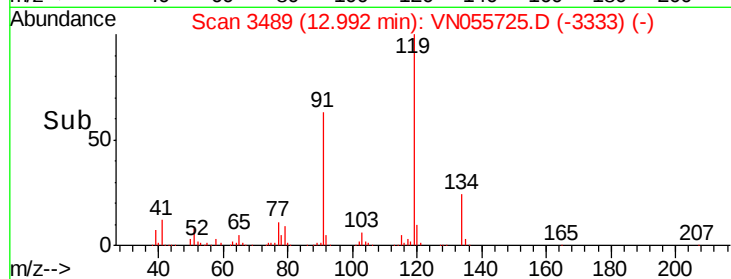
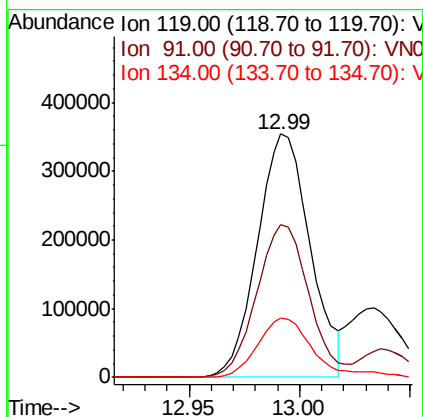
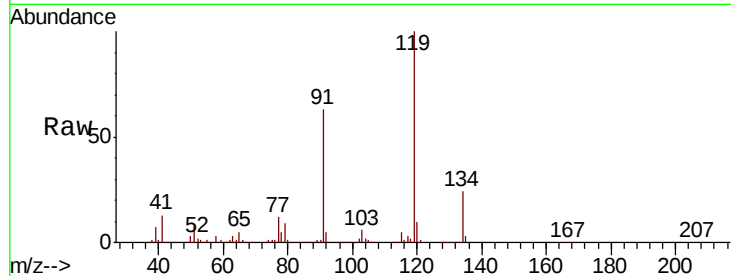




#79
tert-butylbenzene
Concen: 50.393 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

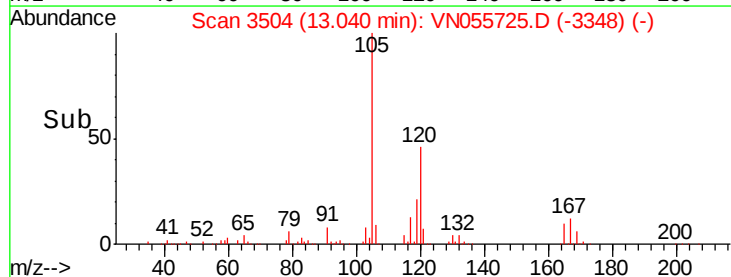
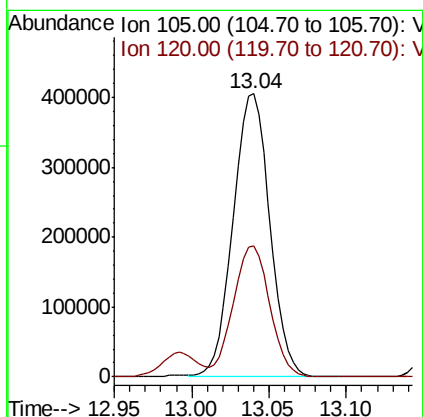
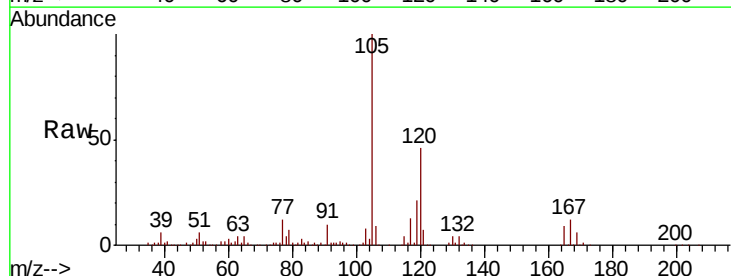
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

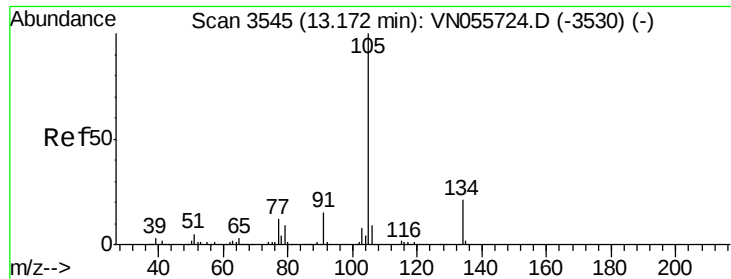
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	0.0	123.8
134	26.0	0.0	52.6



#80
1,2,4-Trimethylbenzene
Concen: 51.358 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	0.0	93.6

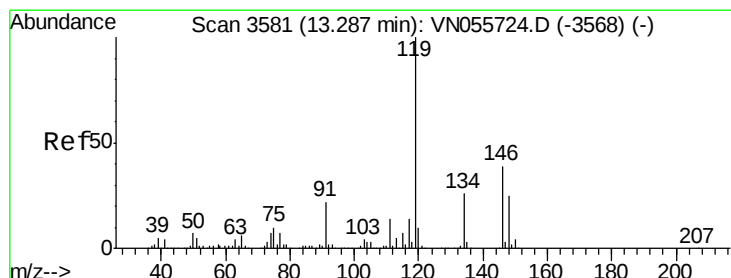
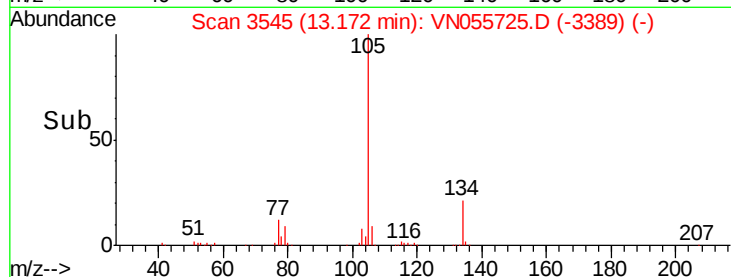
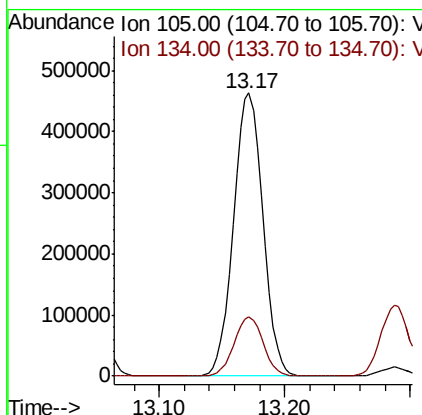
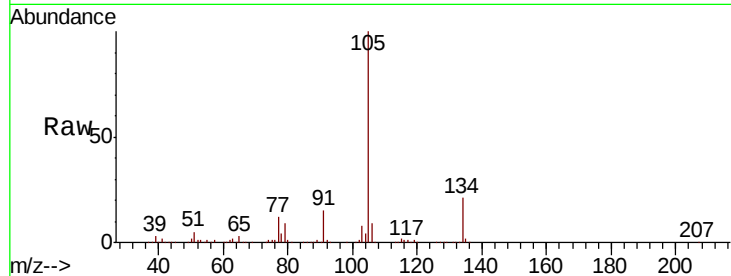




#81
 sec-Butylbenzene
 Concen: 49.416 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

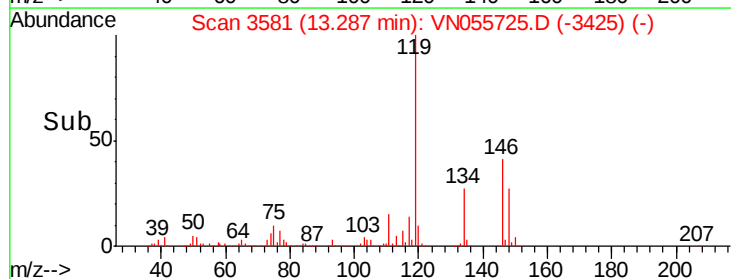
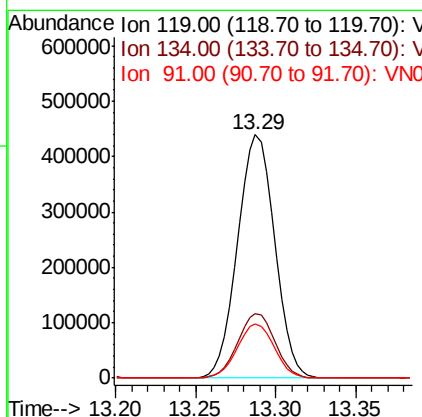
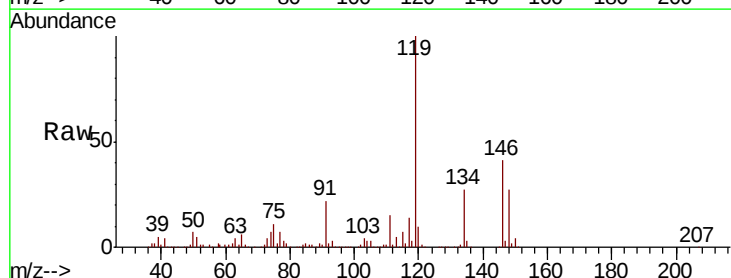
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

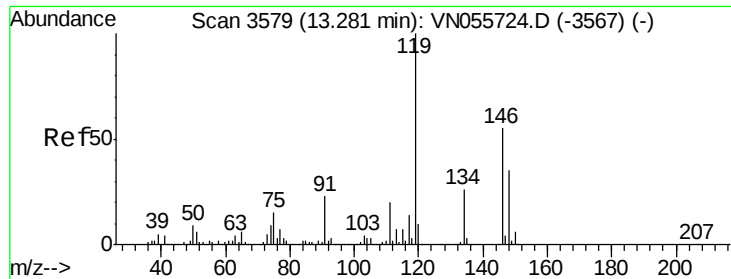
Tot Ion:105 Resp: 753609
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 41.4



#82
 p-Isopropyltoluene
 Concen: 53.504 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion:119 Resp: 692791
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.0
 91 22.2 0.0 44.4

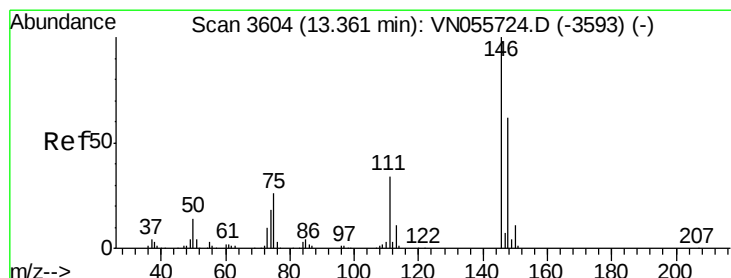
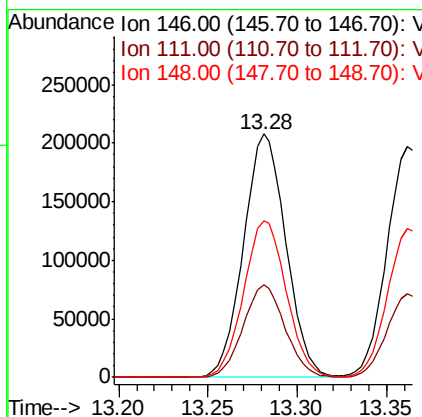
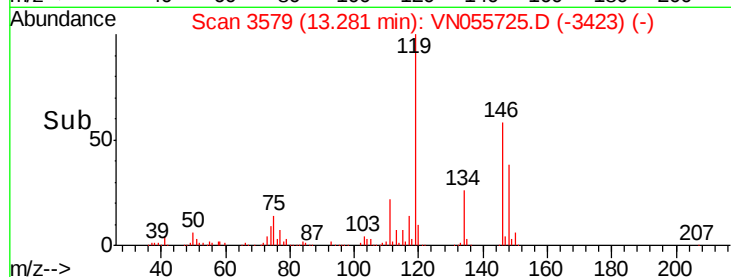
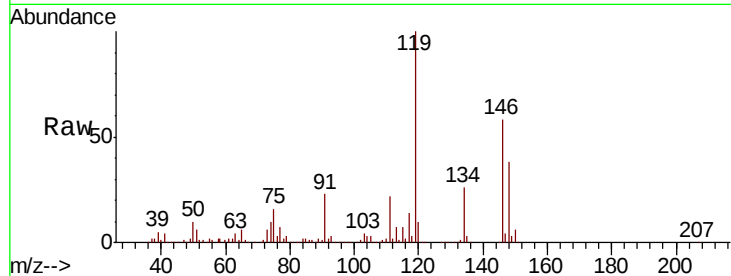




#83
 1,3-Dichlorobenzene
 Concen: 53.852 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

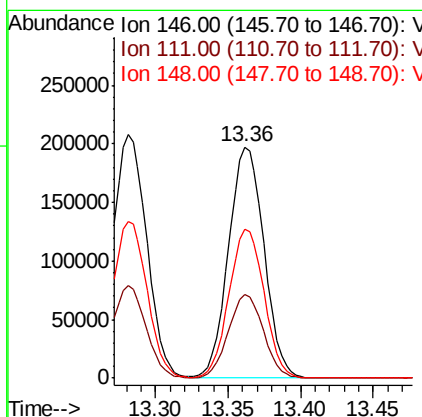
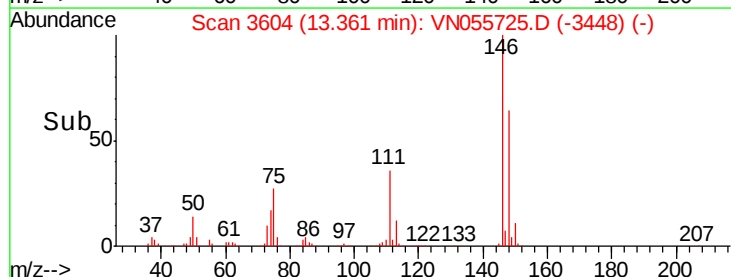
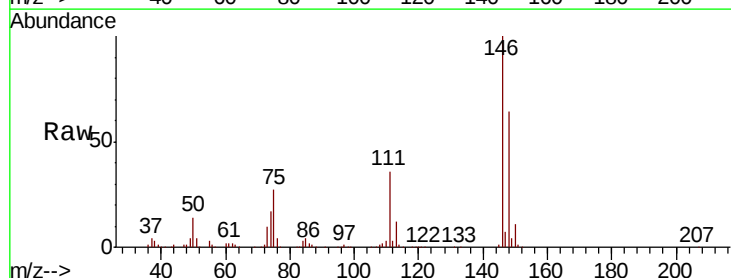
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

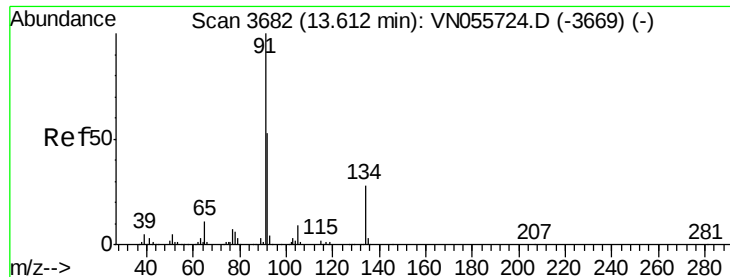
Tot Ion:146 Resp: 345983
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.6
 148 64.7 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 55.178 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion:146 Resp: 334384
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.5 52.6
 148 64.0 31.8 95.4

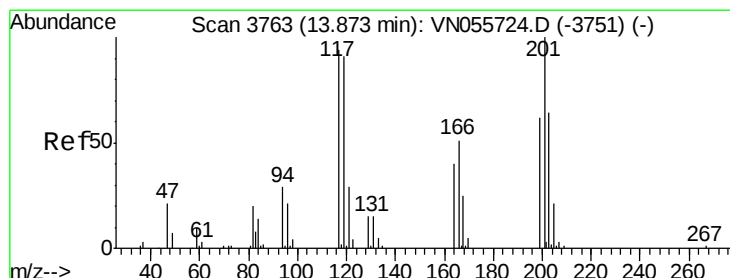
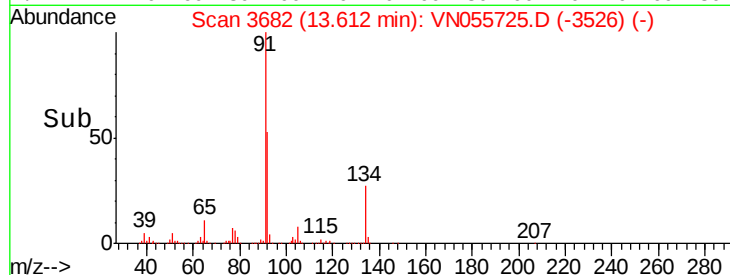
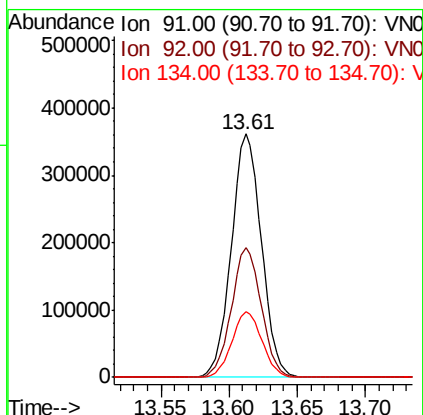
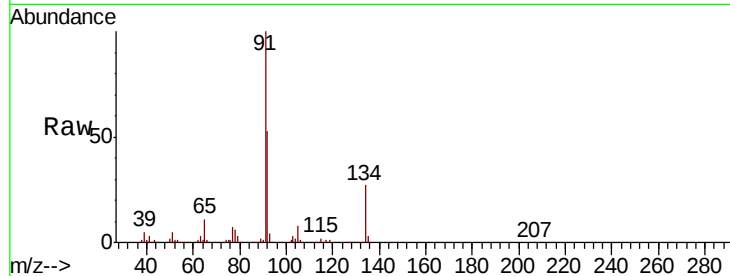




#85
n-Butylbenzene
Concen: 55.372 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

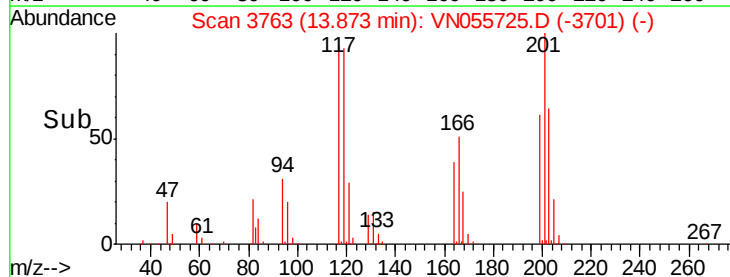
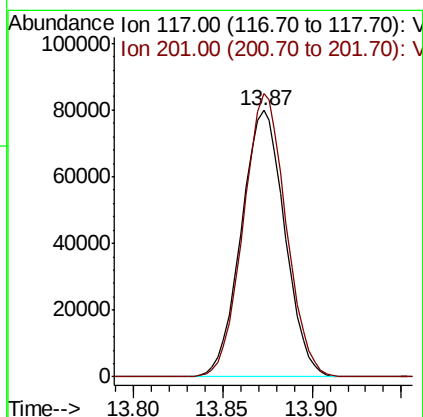
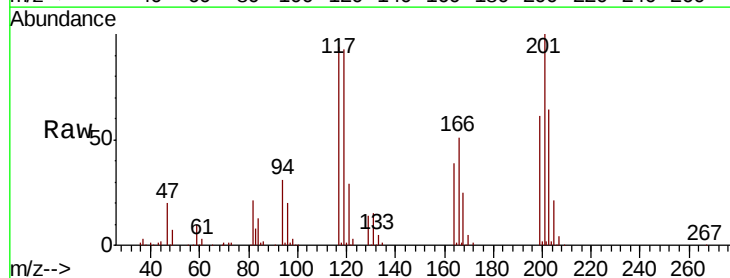
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

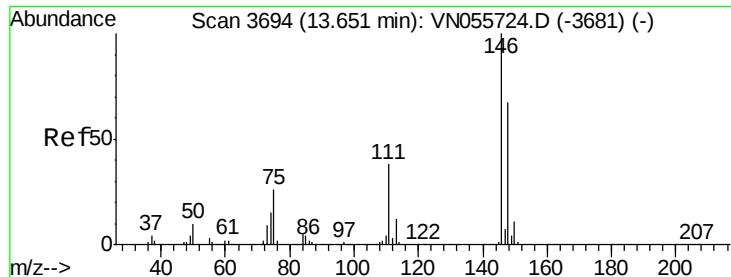
Tot Ion: 91 Resp: 551950
Ion Ratio Lower Upper
91 100
92 52.9 0.0 106.8
134 27.2 0.0 55.2



#86
Hexachloroethane
Concen: 59.061 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055725.D
Acq: 22 May 2019 17:47

Tgt Ion: 117 Resp: 136080
Ion Ratio Lower Upper
117 100
201 104.2 52.5 157.6

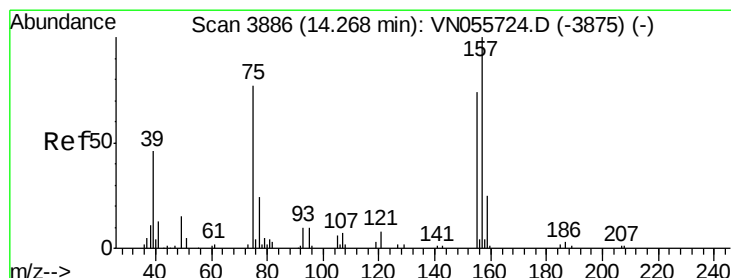
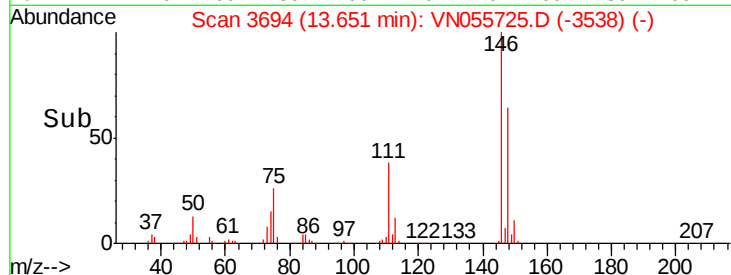
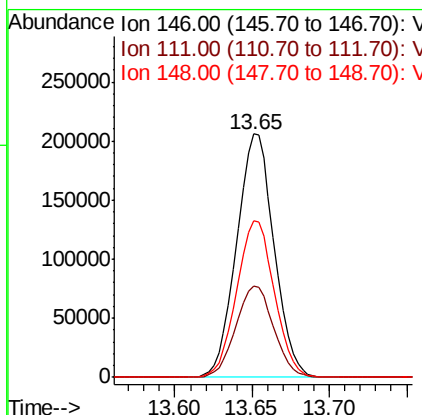
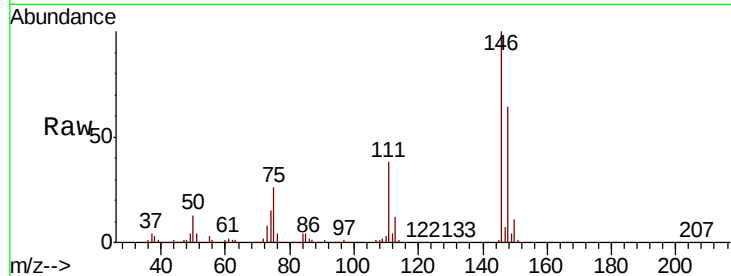




#87
 1,2-Dichlorobenzene
 Concen: 53.788 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

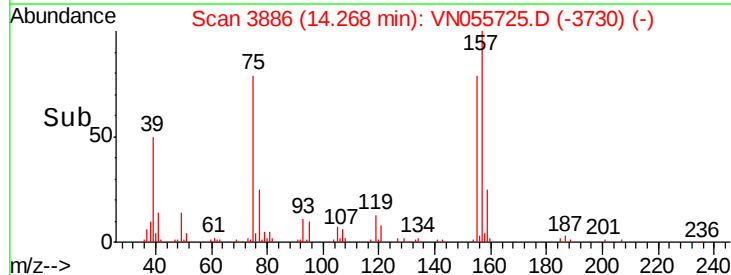
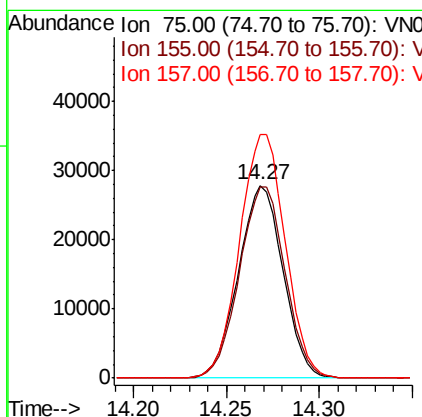
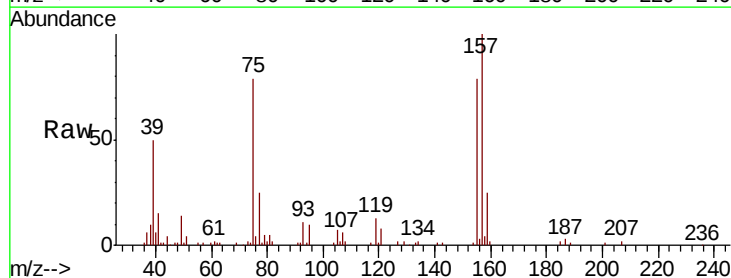
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

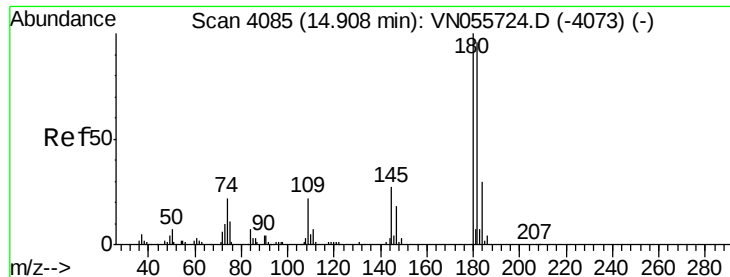
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	64.6	32.7	98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 64.021 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	78.4	117.6
157	128.8	105.0	157.4

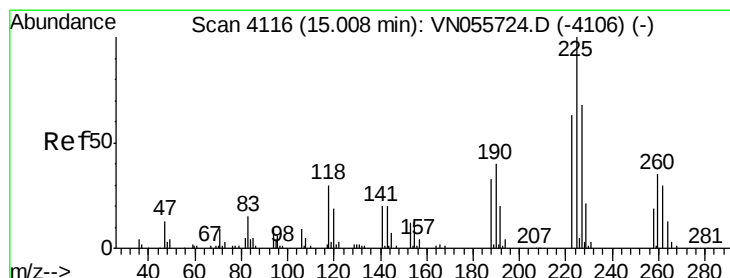
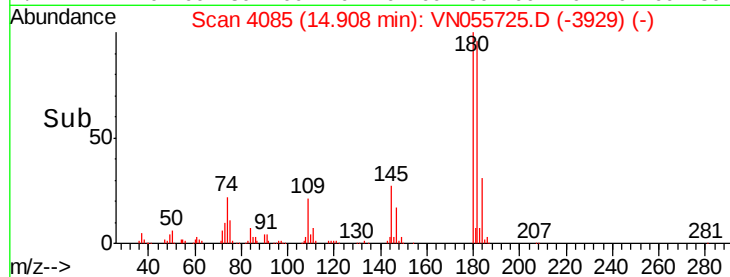
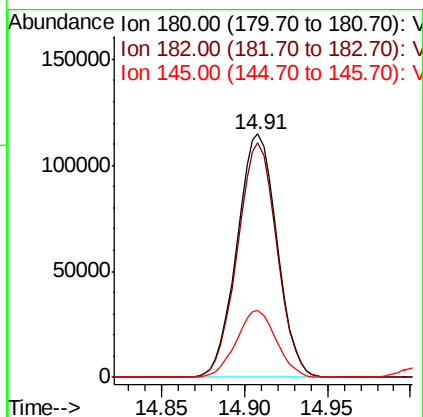
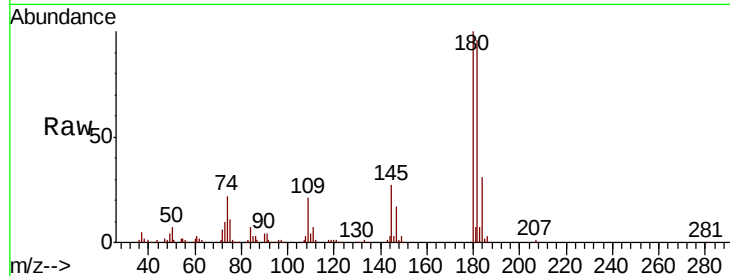




#89
 1,2,4-Trichlorobenzene
 Concen: 70.384 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

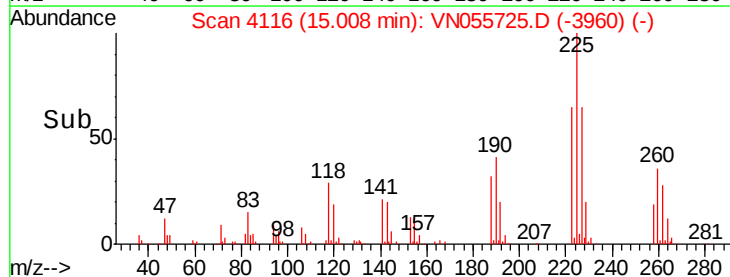
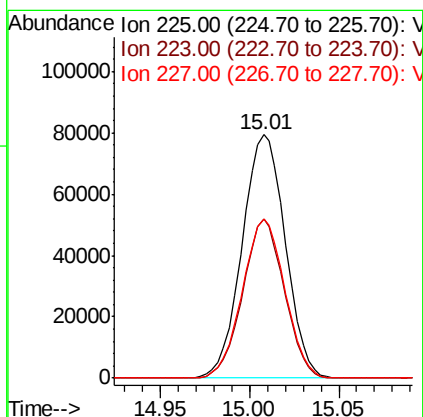
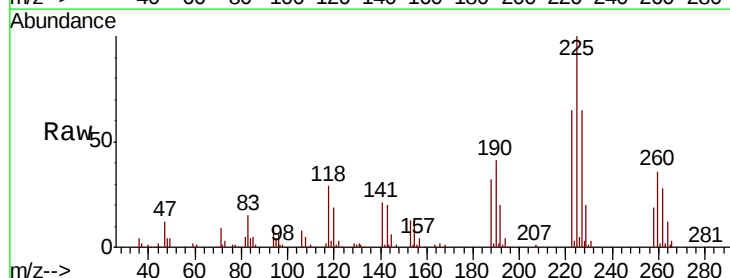
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

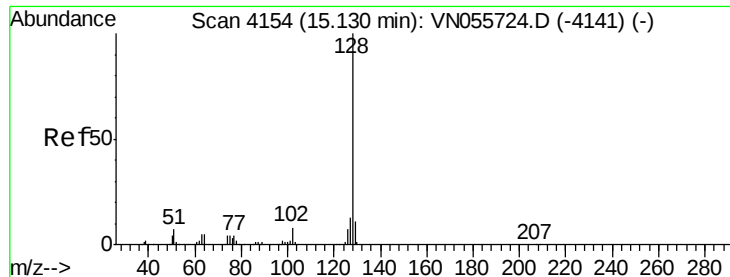
Tot Ion:180 Resp: 192109
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.1 114.1
 145 27.6 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 59.617 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055725.D
 Acq: 22 May 2019 17:47

Tgt Ion:225 Resp: 134297
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 126.0
 227 64.4 0.0 133.0





#91

Naphthalene

Concen: 78.971 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

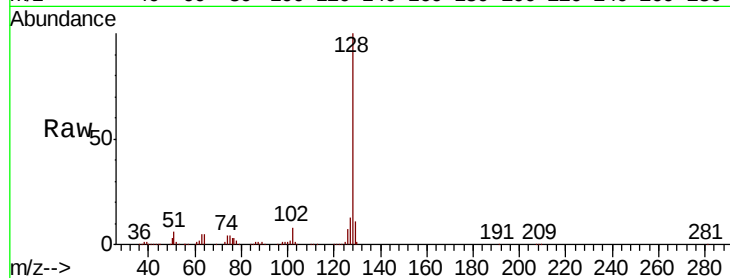
Tot Ion:128 Resp: 527001

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

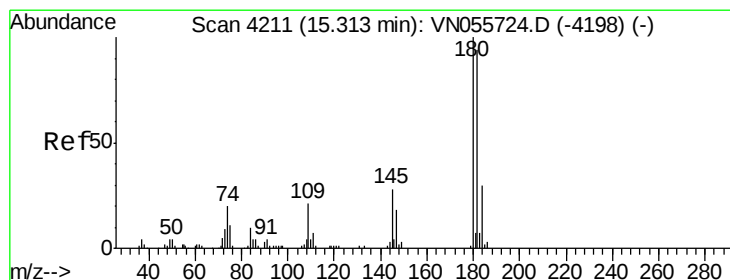
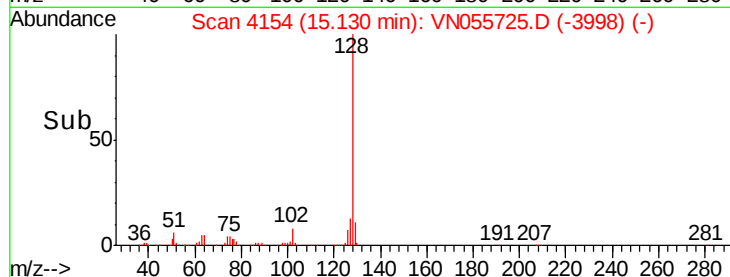
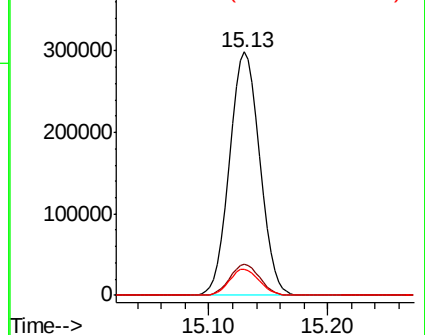
129 10.7 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 68.919 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055725.D

Acq: 22 May 2019 17:47

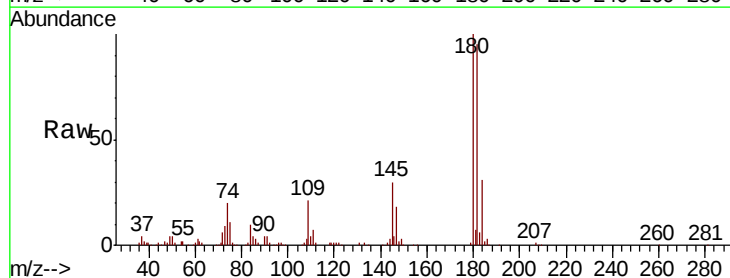
Tgt Ion:180 Resp: 197937

Ion Ratio Lower Upper

180 100

182 95.5 0.0 188.6

145 29.7 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

