

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
 Data File : VN055781.D
 Acq On : 24 May 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 24 12:59:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	56392	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	311263	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	271638	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	108402	29.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.03%
60) 4-Bromofluorobenzene	12.40	95	124727	29.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.40%
63) Toluene-d8	10.09	98	370316	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	49028	19.829 ug/l	97
3) Chloromethane	2.06	50	65787	18.706 ug/l	95
4) Vinyl Chloride	2.19	62	71076	19.802 ug/l	99
5) Bromomethane	2.52	94	45474	21.638 ug/l	97
6) Chloroethane	2.68	64	43818	20.897 ug/l	96
7) Trichlorofluoromethane	3.00	101	97029	21.547 ug/l	97
8) Diethyl Ether	3.40	74	41920	21.176 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	62170	21.850 ug/l	98
10) 1,1-Dichloroethene	3.72	96	61835	20.774 ug/l	94
11) Methyl Iodide	3.94	142	86855	20.455 ug/l	99
12) Methyl Acetate	4.32	43	66341	18.224 ug/l	100
13) Acrolein	3.60	56	47147	93.208 ug/l	99
14) Acrylonitrile	4.99	53	154185	92.899 ug/l	99
15) Acetone	3.82	58	63791	123.758 ug/l	96
16) Carbon Disulfide	4.04	76	166828	19.548 ug/l	100
17) Allyl chloride	4.31	41	100849	18.812 ug/l	98
18) Methylene Chloride	4.54	84	69231	20.308 ug/l	95
19) trans-1,2-Dichloroethene	5.03	96	65010	20.303 ug/l	97
20) Diisopropyl ether	5.95	45	195978	18.845 ug/l	97
21) 1,1-Dichloroethane	5.84	63	114919	19.552 ug/l	100
22) cis-1,2-Dichloroethene	6.82	96	76326	20.439 ug/l	96
23) tert-Butyl Alcohol	4.81	59	64312	88.231 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	198727	19.676 ug/l	# 75
25) Chloroform	7.37	83	118678	20.444 ug/l	99
26) Cyclohexane	7.64	56	108936	20.091 ug/l	# 95
29) 1,1-Dichloropropene	7.79	75	87566	20.096 ug/l	97
30) 2-Butanone	6.84	43	232181	99.970 ug/l	98
31) 2,2-Dichloropropane	6.82	77	102232	20.161 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	104555	20.244 ug/l	99
33) Carbon Tetrachloride	7.77	117	91697	19.847 ug/l	97
34) Benzene	8.04	78	269120	20.005 ug/l	98
35) Methacrylonitrile	7.17	41	35141	16.393 ug/l	99
36) 1,2-Dichloroethane	8.12	62	88428	20.114 ug/l	100
37) Trichloroethene	8.83	130	78749	20.980 ug/l	100
38) Methylcyclohexane	9.08	83	113287	20.520 ug/l	97
39) 1,2-Dichloropropane	9.12	63	70050	19.370 ug/l	96
40) Dibromomethane	9.21	93	46545	19.931 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	91852	19.191	ug/l	98
42) Vinyl Acetate	5.89	43	835969	92.707	ug/l	98
43) Ethyl Acetate	6.93	43	84938	18.606	ug/l #	100
44) Isopropyl Acetate	8.17	43	134730	17.822	ug/l	90
45) 1,4-Dioxane	9.20	88	28957	407.164	ug/l	93
46) Methyl methacrylate	9.20	41	64161	18.191	ug/l	98
47) n-amyl Acetate	12.07	43	114143	18.255	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	98039	18.556	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	110752	19.152	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	67784	19.938	ug/l	99
51) Ethyl methacrylate	10.43	69	103112	18.817	ug/l	100
52) 1,3-Dichloropropane	10.71	76	109919	19.615	ug/l	100
53) Dibromochloromethane	10.90	129	77435	19.281	ug/l	98
54) 1,2-Dibromoethane	11.00	107	70764	20.115	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	195114	91.513	ug/l	99
56) Bromoform	12.13	173	59410	18.034	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	418093	92.975	ug/l	98
59) 2-Hexanone	10.75	43	305588	95.055	ug/l	99
61) Tetrachloroethene	10.63	164	80770	21.965	ug/l	96
62) Toluene	10.15	91	298332	20.423	ug/l	99
64) Chlorobenzene	11.43	112	184336	20.803	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	71202	19.943	ug/l	98
66) Ethyl Benzene	11.51	91	330586	20.713	ug/l	100
67) m/p-Xylenes	11.62	106	256600	42.322	ug/l	99
68) o-Xylene	11.95	106	123717	20.620	ug/l	99
69) Styrene	11.96	104	203079	20.516	ug/l	99
70) Isopropylbenzene	12.25	105	327544	20.865	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	94071	19.472	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	115574	27.796	ug/l	67
73) Bromobenzene	12.52	156	86682	20.872	ug/l	95
74) n-propylbenzene	12.59	91	353931	20.905	ug/l	99
75) 2-Chlorotoluene	12.67	91	217658	21.046	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	278015	21.426	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	28196	17.072	ug/l	95
78) 4-Chlorotoluene	12.77	91	203368	20.749	ug/l	99
79) tert-butylbenzene	12.99	119	246151	21.578	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	273544	21.236	ug/l	100
81) sec-Butylbenzene	13.17	105	311763	21.510	ug/l	100
82) p-Isopropyltoluene	13.29	119	286317	21.465	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	138912	21.338	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	129258	20.848	ug/l	100
85) n-Butylbenzene	13.61	91	215774	20.793	ug/l	99
86) Hexachloroethane	13.87	117	51084	19.471	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	138571	21.138	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16350	17.856	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	67295	19.018	ug/l	100
90) Hexachlorobutadiene	15.01	225	58030	21.979	ug/l	97
91) Naphthalene	15.13	128	179668	18.583	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	72035	19.478	ug/l	99

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QLast Update : Thu May 23 05:54:54 2019
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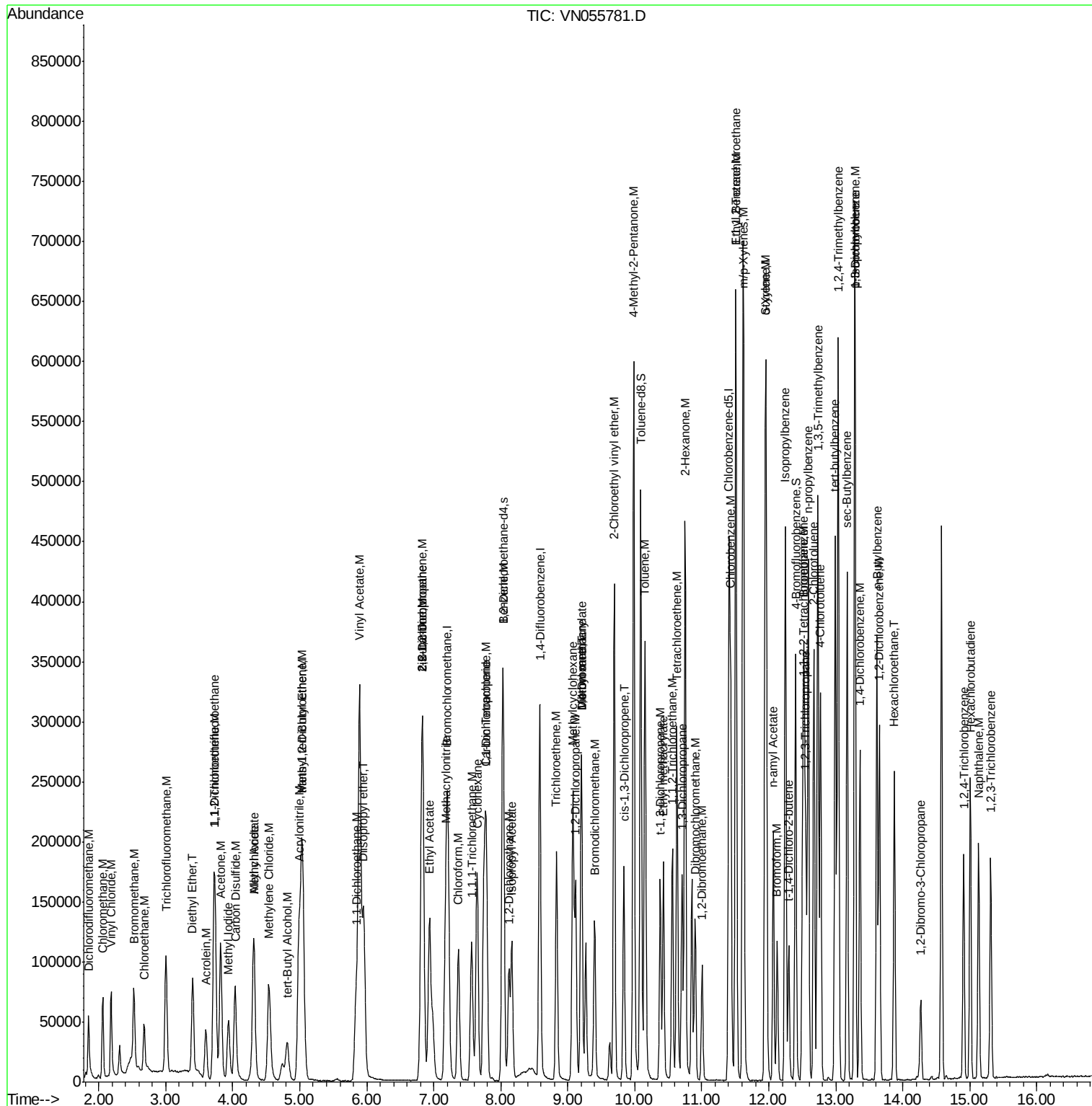
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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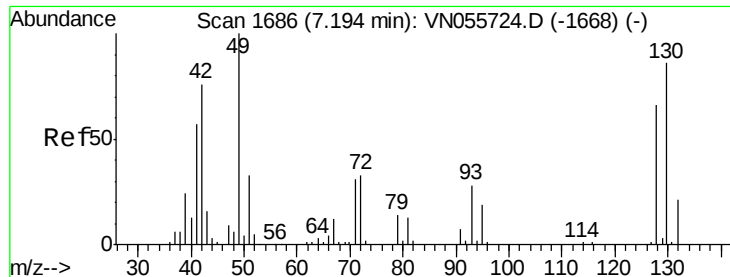
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
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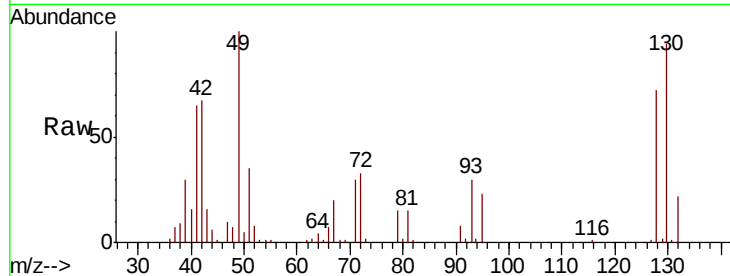




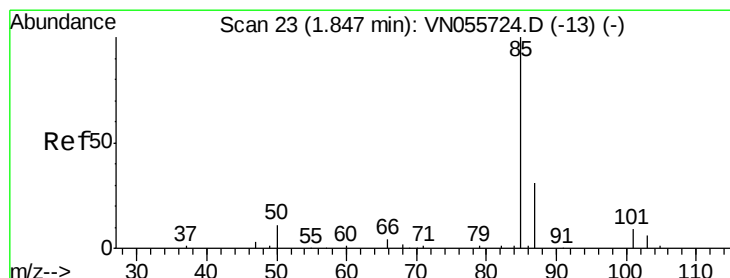
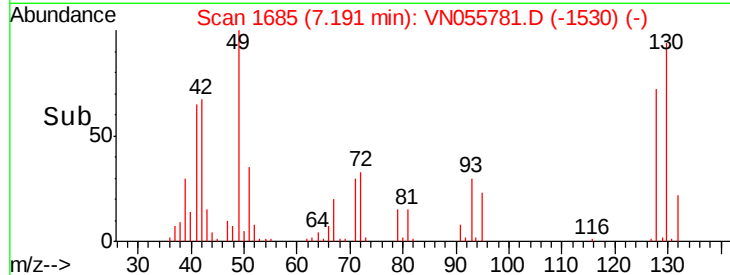
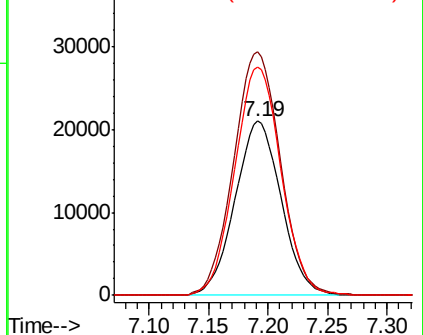
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 128 Resp: 56392
 Ion Ratio Lower Upper
 128 100
 49 141.9 0.0 383.2
 130 132.0 0.0 326.3

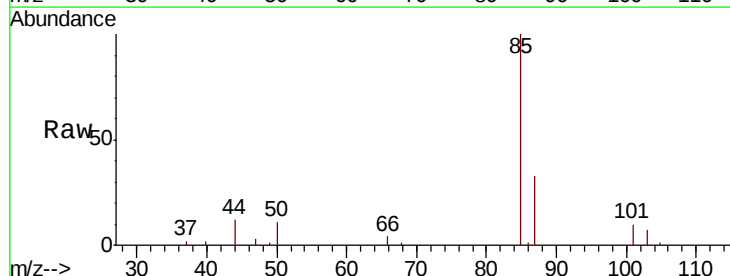


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

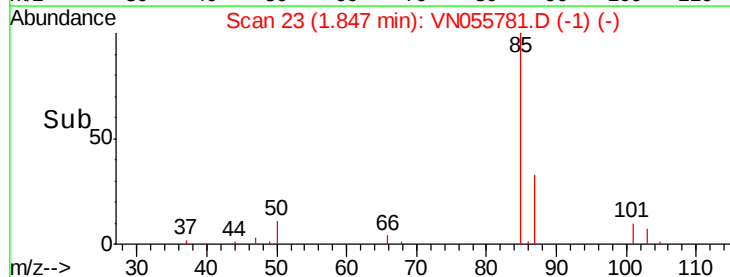
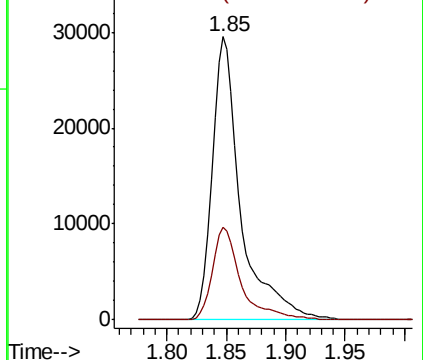


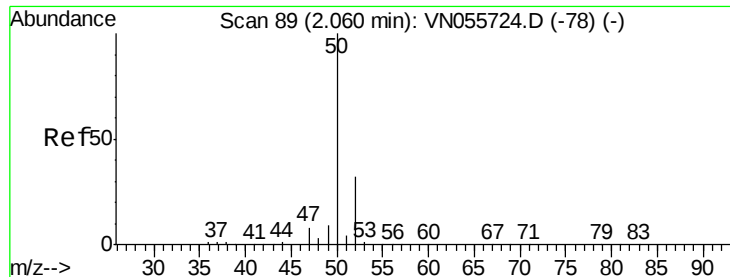
#2
 Dichlorodifluoromethane
 Concen: 19.829 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 85 Resp: 49028
 Ion Ratio Lower Upper
 85 100
 87 32.8 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: 18.706 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

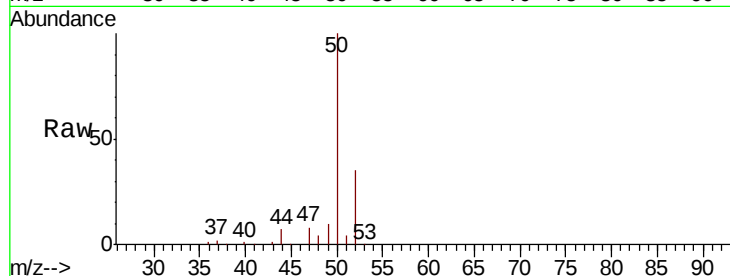
VSTDCCC020

Tgt Ion: 50 Resp: 65787

Ion Ratio Lower Upper

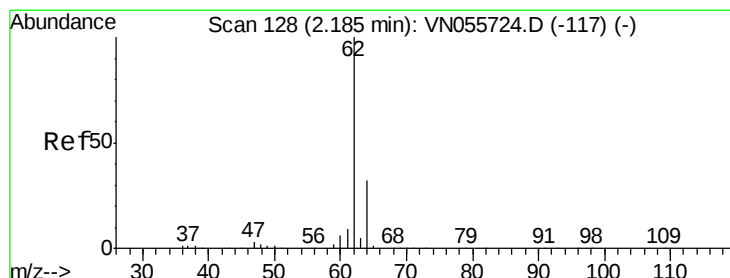
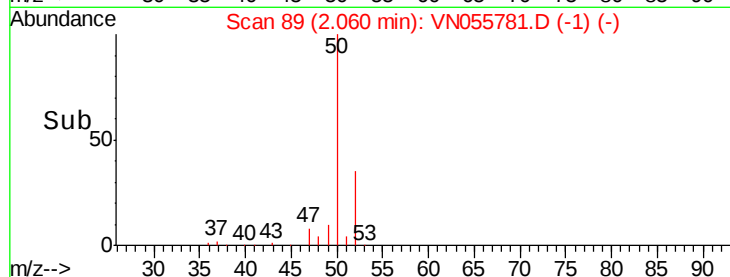
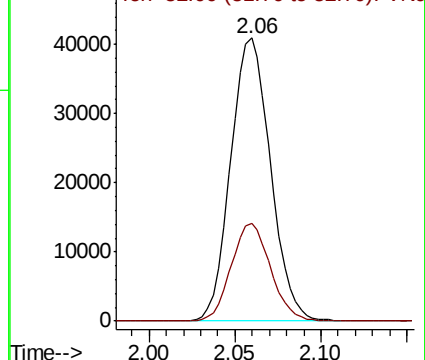
50 100

52 34.7 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.802 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055781.D

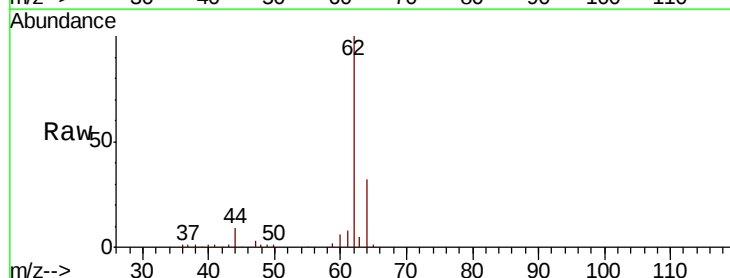
Acq: 24 May 2019 8:56

Tgt Ion: 62 Resp: 71076

Ion Ratio Lower Upper

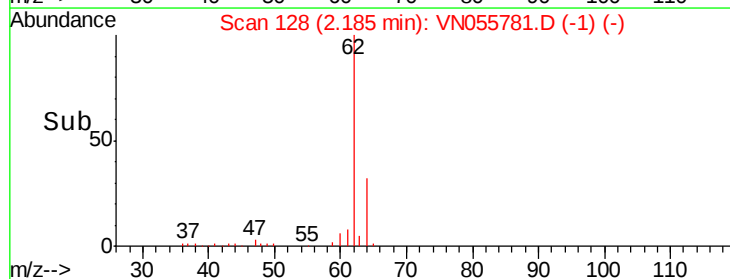
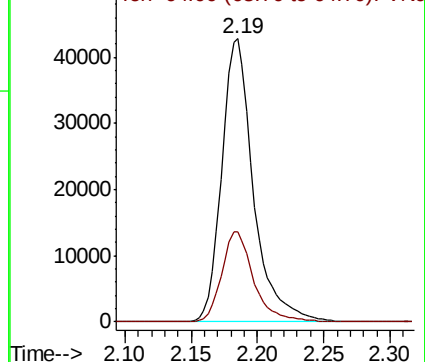
62 100

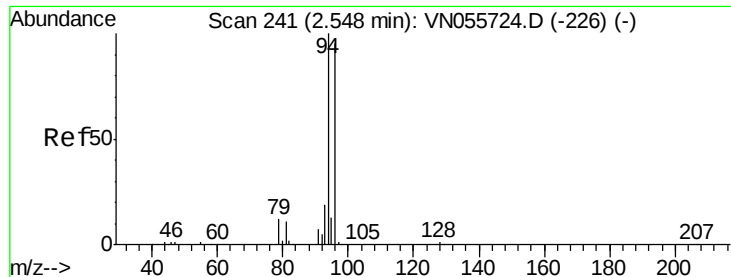
64 31.8 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.638 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.03 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampled :

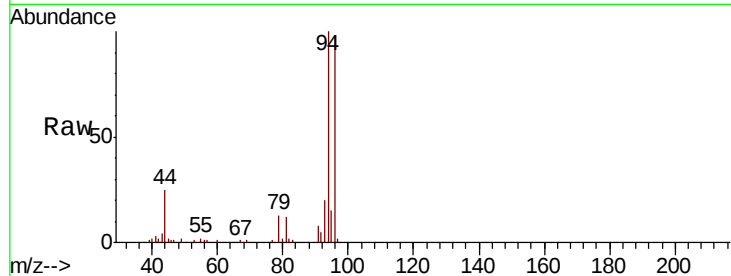
VSTDCCC020

Tgt Ion: 94 Resp: 45474

Ion Ratio Lower Upper

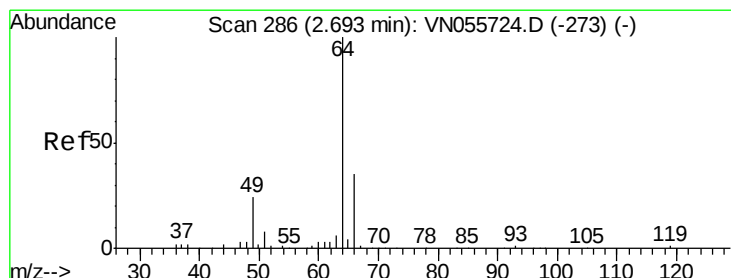
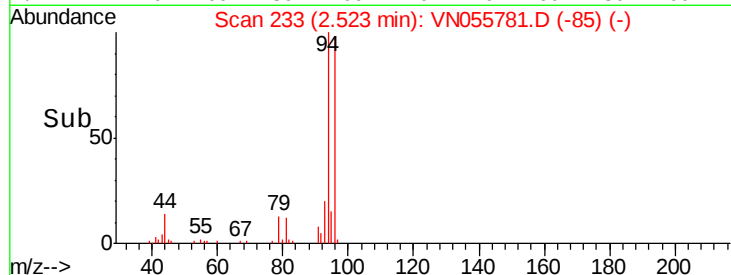
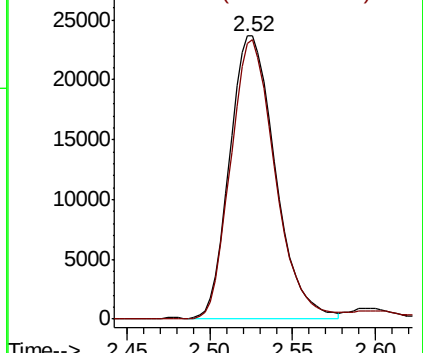
94 100

96 97.6 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.897 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.02 min

Lab File: VN055781.D

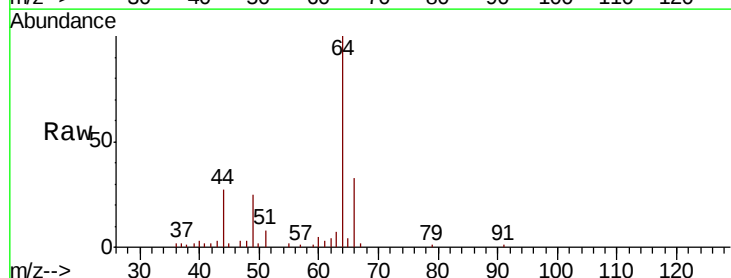
Acq: 24 May 2019 8:56

Tgt Ion: 64 Resp: 43818

Ion Ratio Lower Upper

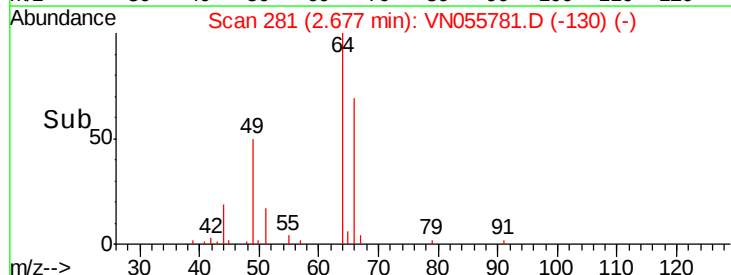
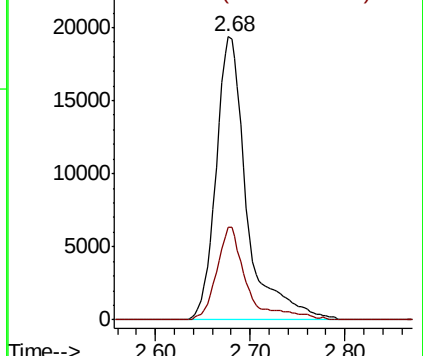
64 100

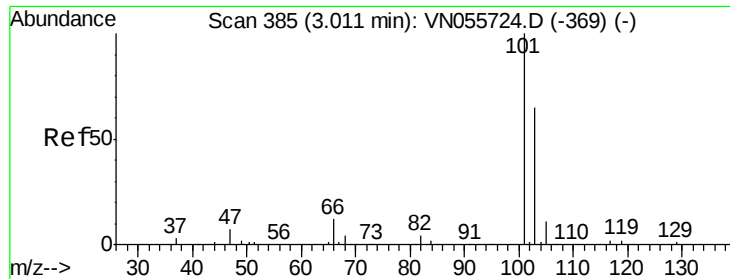
66 32.5 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



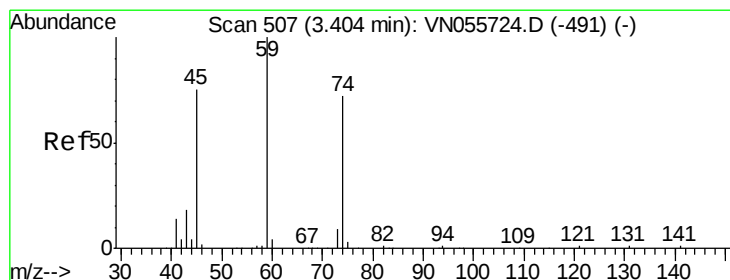
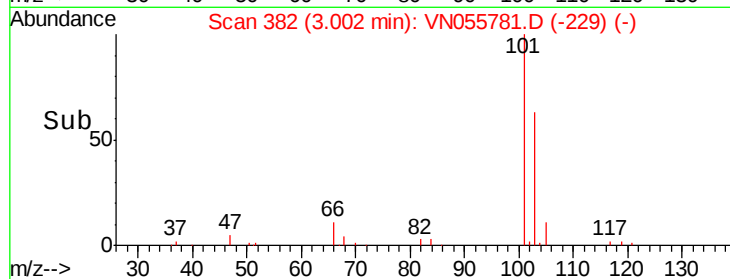
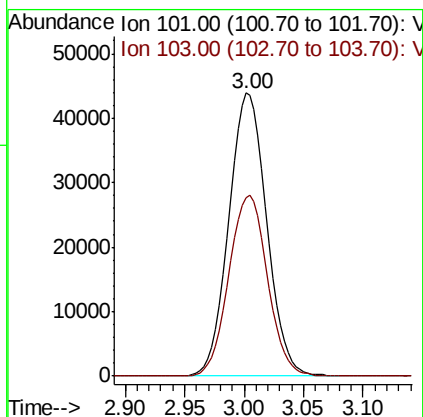
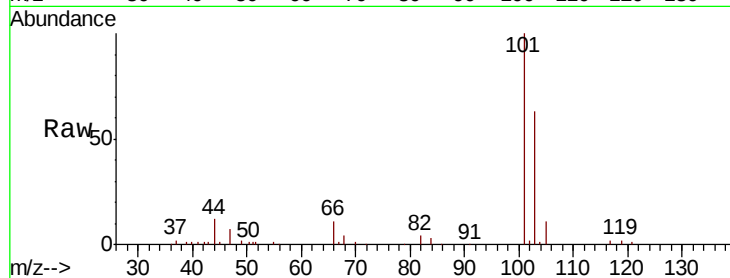


#7

Trichlorofluoromethane
 Concen: 21.547 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

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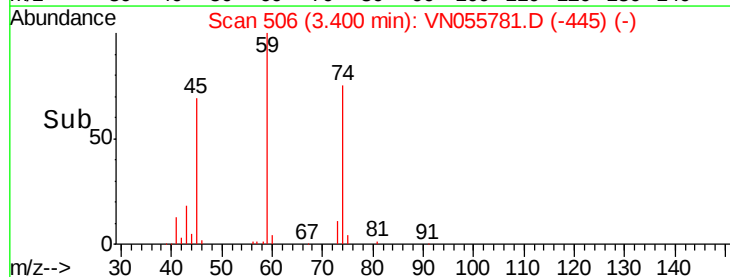
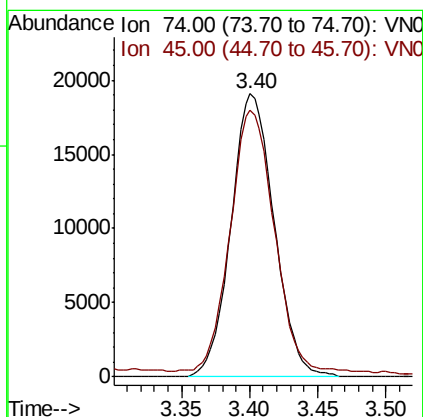
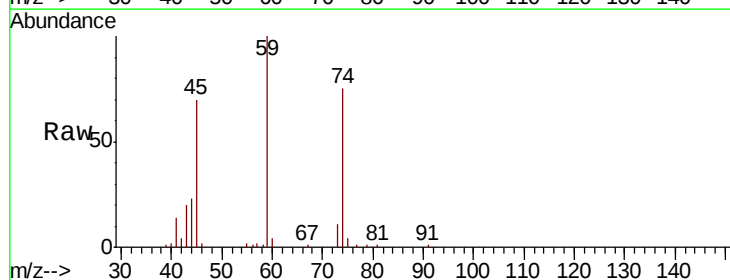
Tgt Ion: 101 Resp: 97029
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.6 78.8

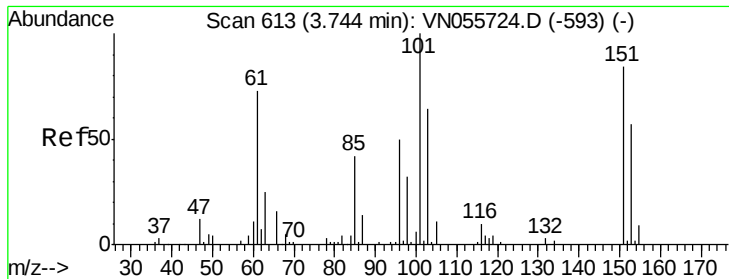


#8

Diethyl Ether
 Concen: 21.176 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 74 Resp: 41920
 Ion Ratio Lower Upper
 74 100
 45 94.5 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.850 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN055781.D

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VSTDCCC020

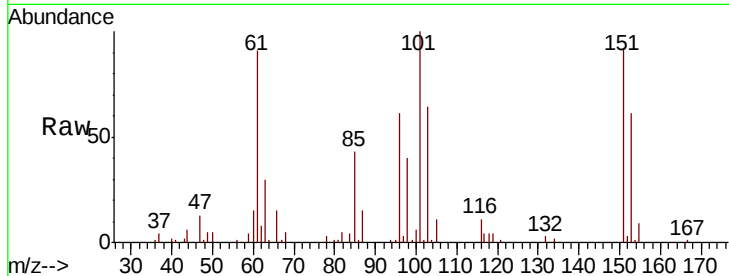
Tgt Ion:101 Resp: 62170

Ion Ratio Lower Upper

101 100

85 41.1 0.0 86.6

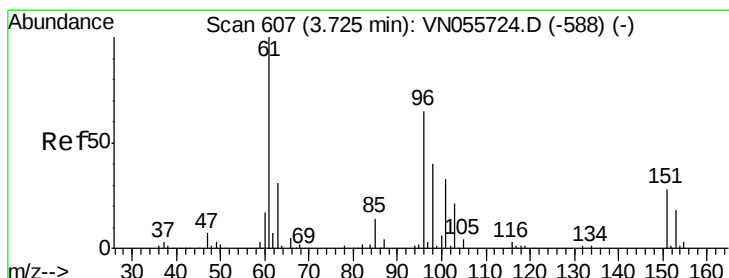
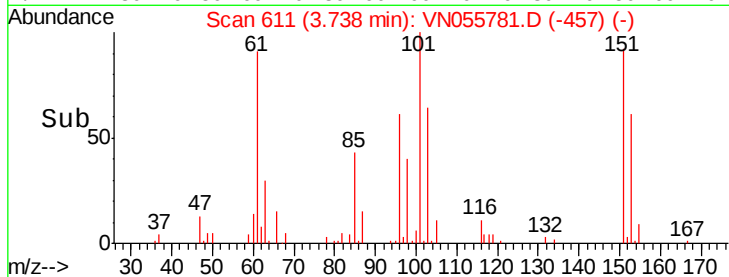
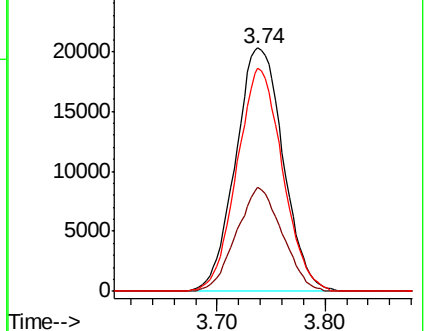
151 88.0 0.0 172.2



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: 20.774 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.01 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

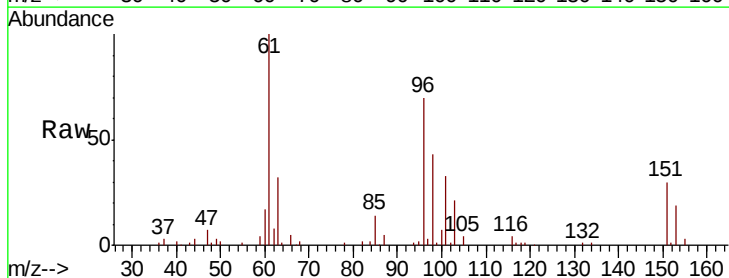
Tgt Ion: 96 Resp: 61835

Ion Ratio Lower Upper

96 100

61 143.9 123.7 185.5

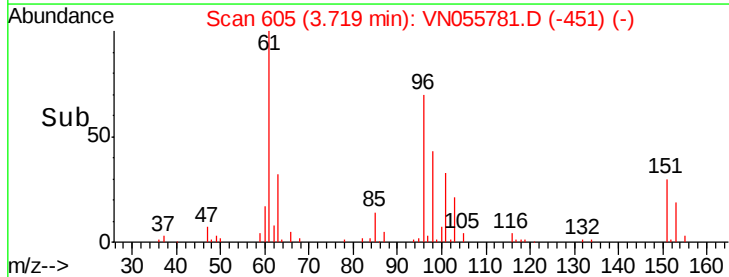
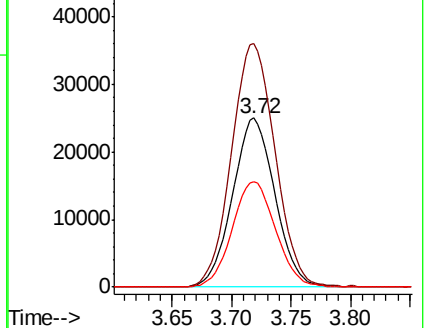
98 62.6 50.0 75.0

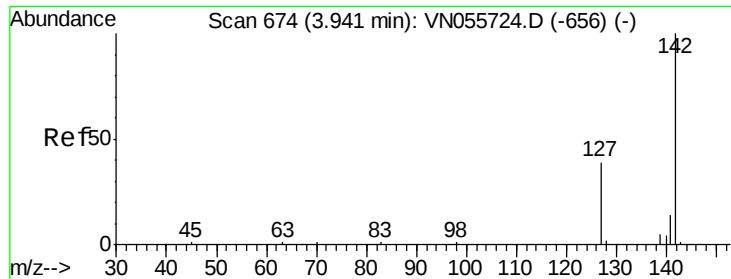


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

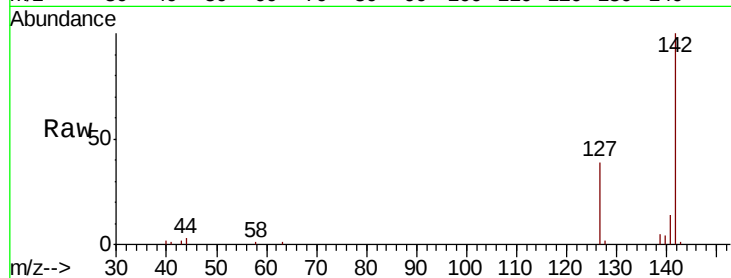




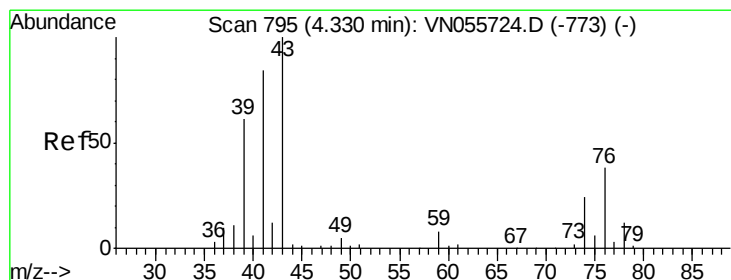
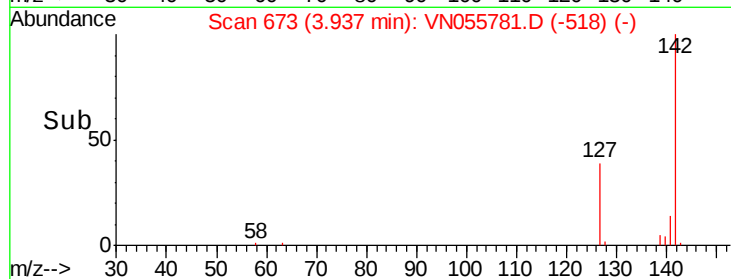
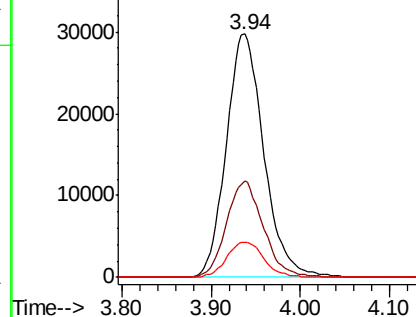
#11
Methyl Iodide
Concen: 20.455 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:142 Resp: 86855
Ion Ratio Lower Upper
142 100
127 39.4 19.6 58.7
141 14.4 6.9 20.6

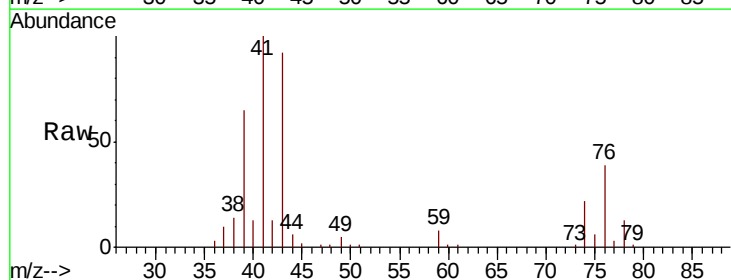


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

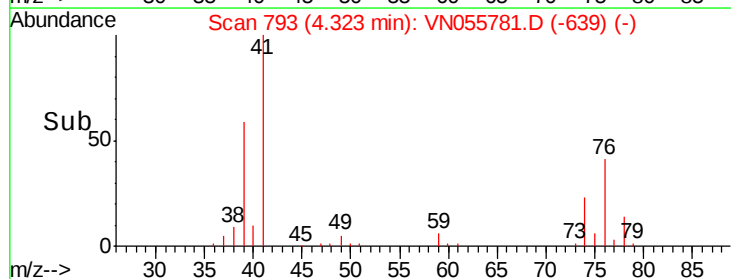
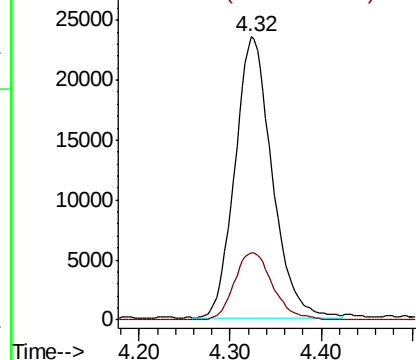


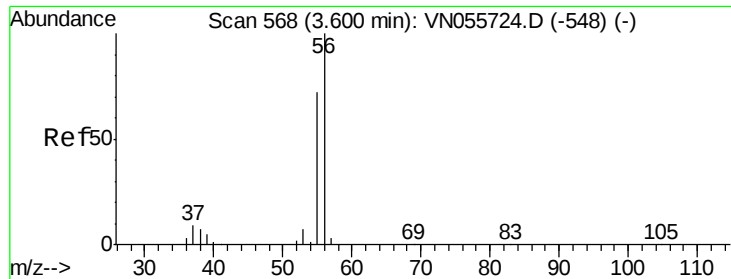
#12
Methyl Acetate
Concen: 18.224 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 43 Resp: 66341
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



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





#13

Acrolein

Concen: 93.208 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

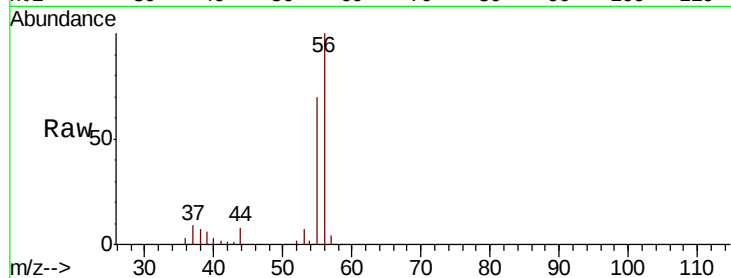
VSTDCCC020

Tgt Ion: 56 Resp: 47147

Ion Ratio Lower Upper

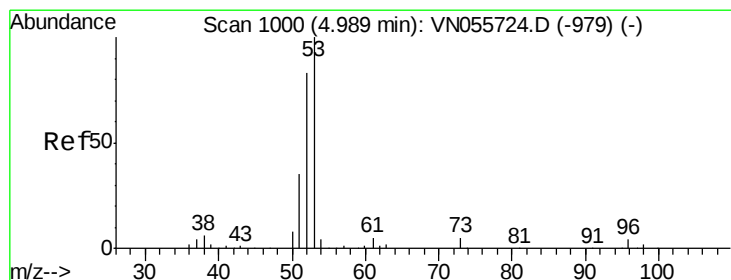
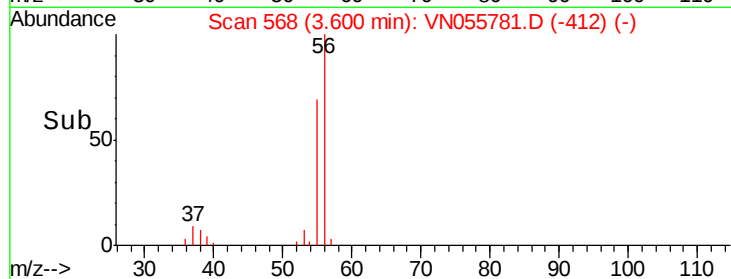
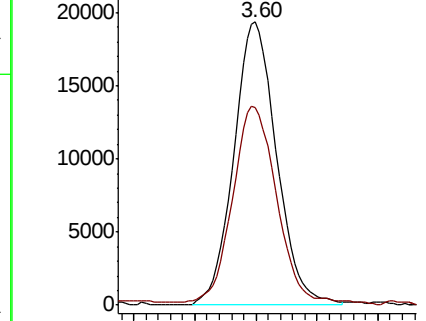
56 100

55 70.3 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.899 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

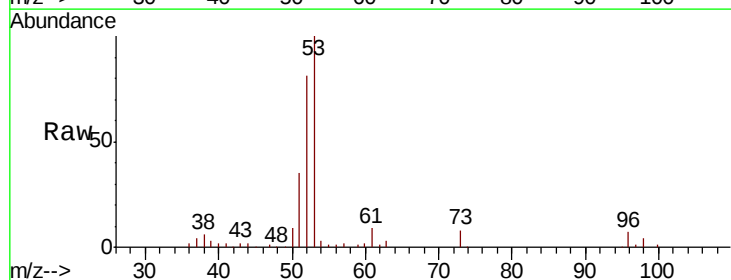
Tgt Ion: 53 Resp: 154185

Ion Ratio Lower Upper

53 100

52 83.1 41.1 123.4

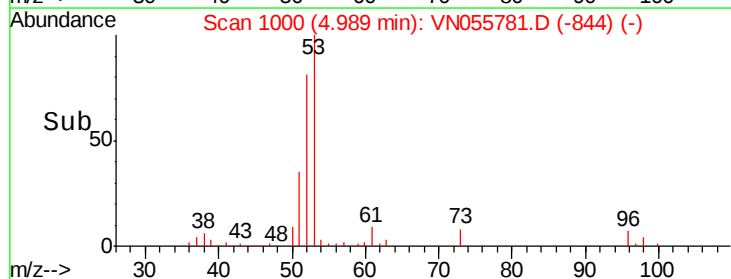
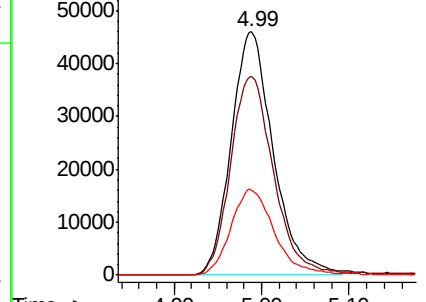
51 36.2 17.5 52.6

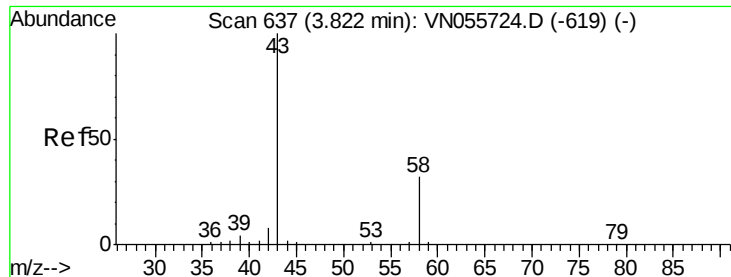


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 123.758 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

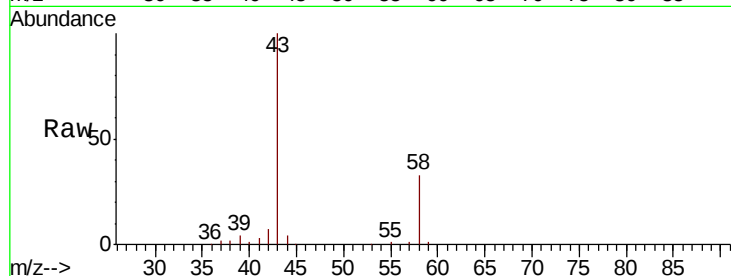
VSTDCCC020

Tgt Ion: 58 Resp: 63791

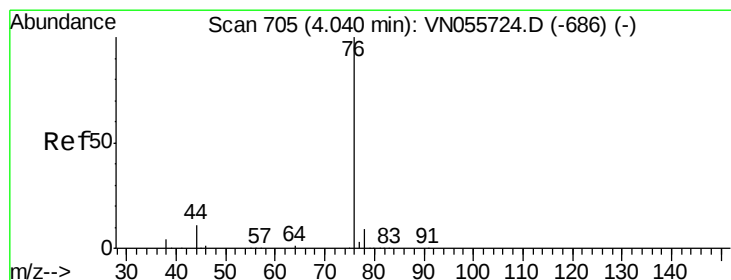
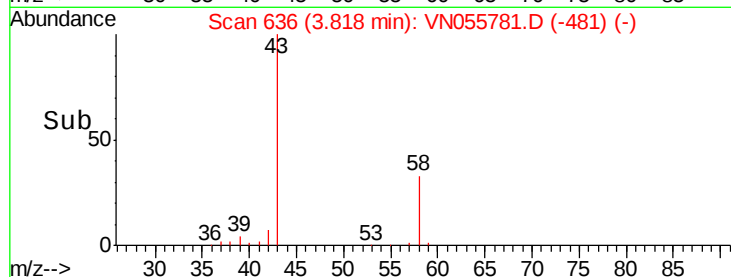
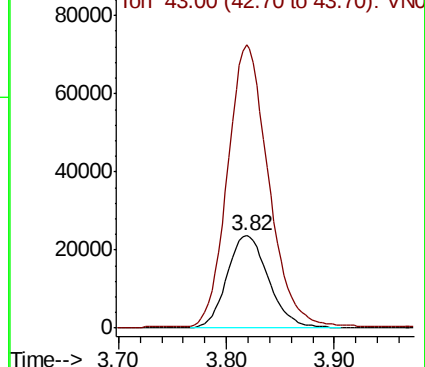
Ion Ratio Lower Upper

58 100

43 303.5 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN055724.D (-619) (-)



#16

Carbon Disulfide

Concen: 19.548 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055781.D

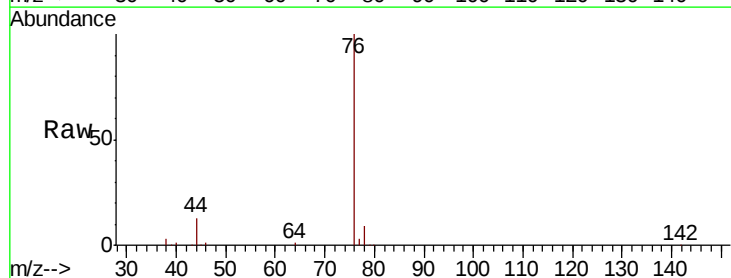
Acq: 24 May 2019 8:56

Tgt Ion: 76 Resp: 166828

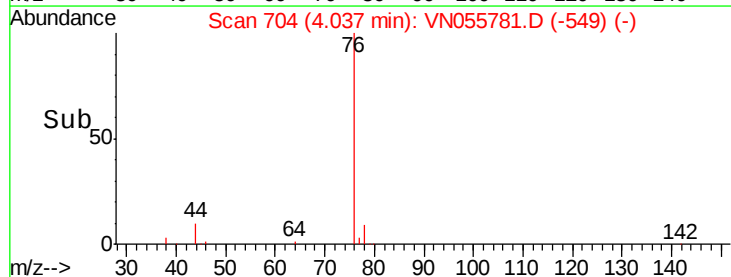
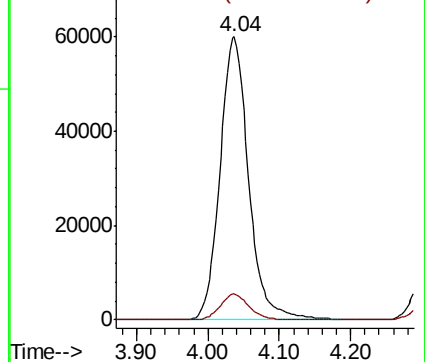
Ion Ratio Lower Upper

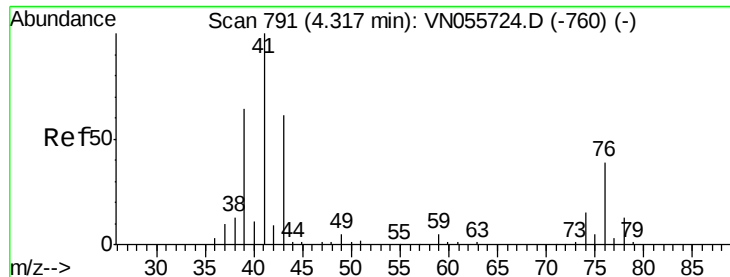
76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN055724.D (-686) (-)

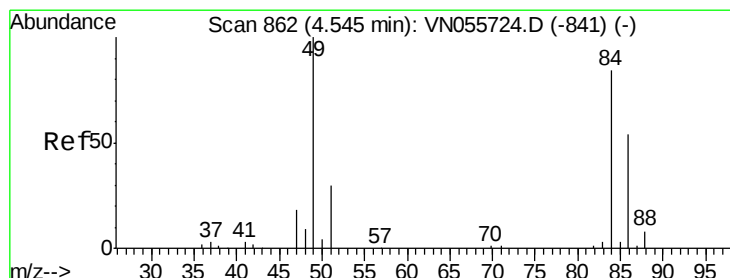
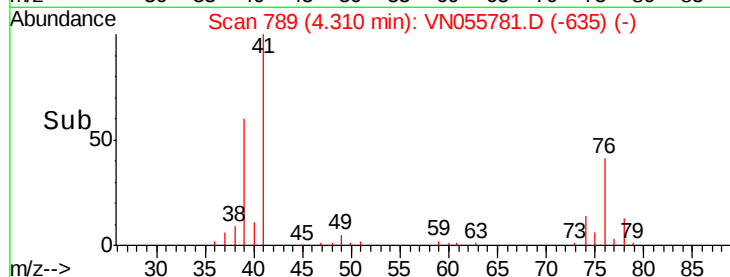
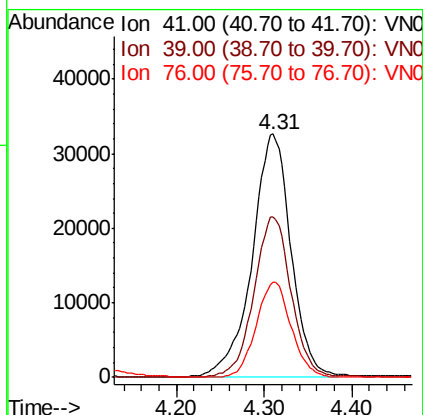
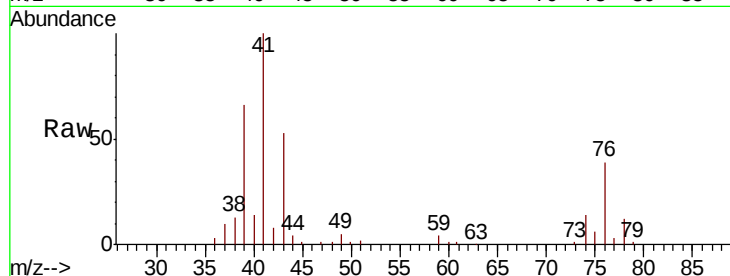




#17
 Allyl chloride
 Concen: 18.812 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

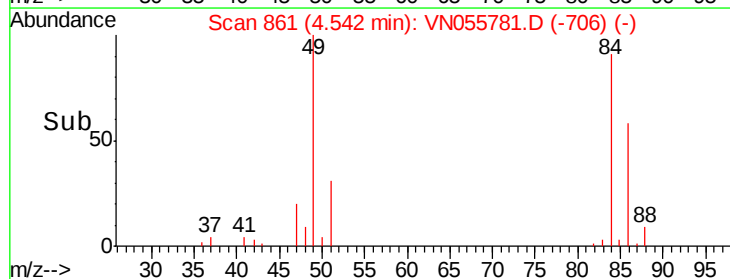
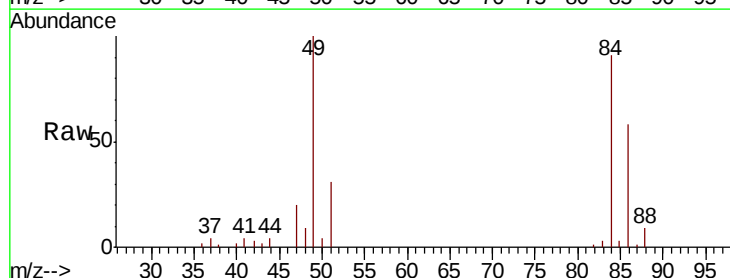
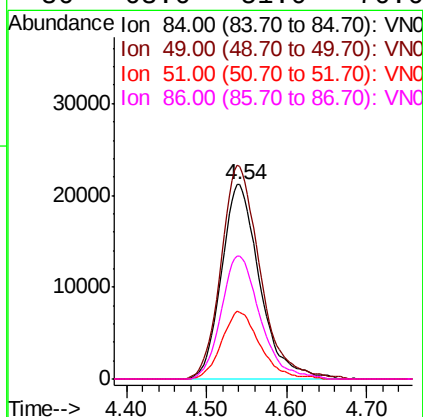
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

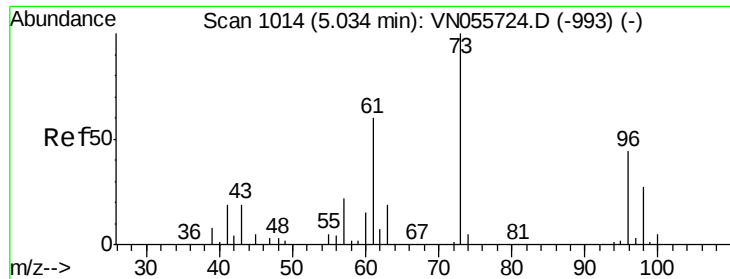
Tgt Ion: 41 Resp: 100849
 Ion Ratio Lower Upper
 41 100
 39 66.0 31.8 95.3
 76 38.9 19.3 57.9



#18
 Methylene Chloride
 Concen: 20.308 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 84 Resp: 69231
 Ion Ratio Lower Upper
 84 100
 49 108.6 94.7 142.1
 51 34.4 28.6 43.0
 86 63.6 51.0 76.6

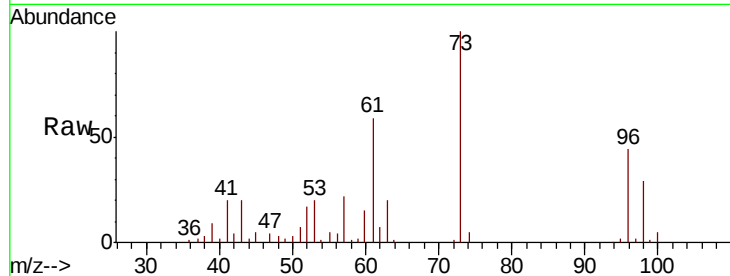




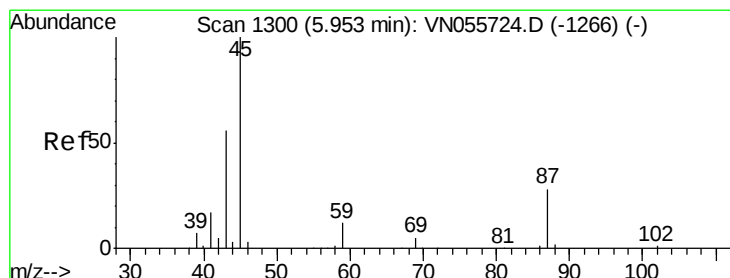
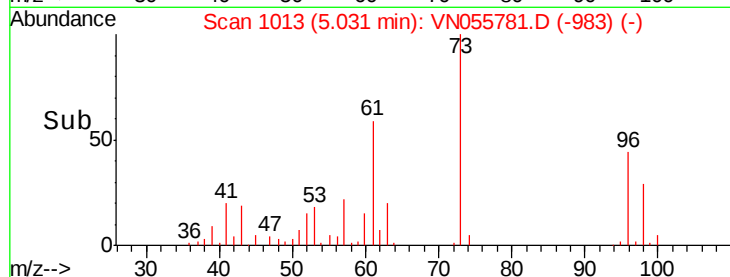
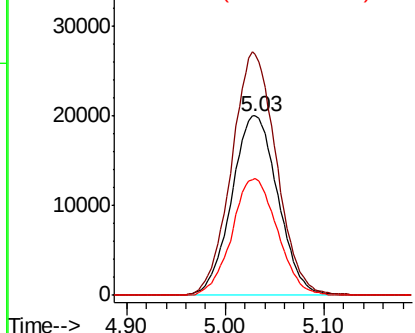
#19
trans-1,2-Dichloroethene
Concen: 20.303 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 96 Resp: 65010
Ion Ratio Lower Upper
96 100
61 133.4 108.5 162.7
98 65.0 49.4 74.2

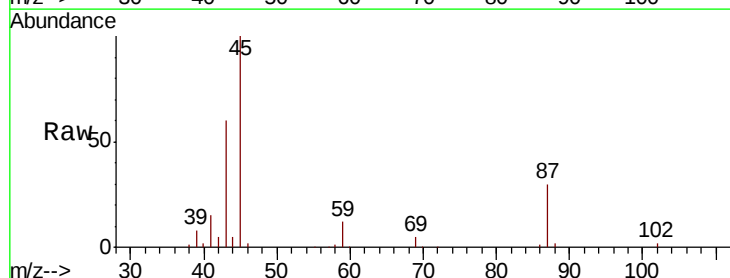


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

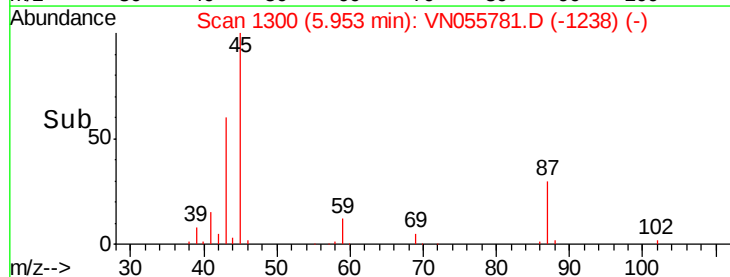
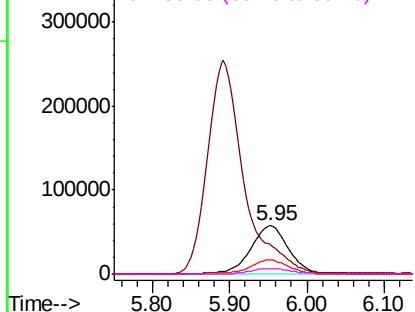


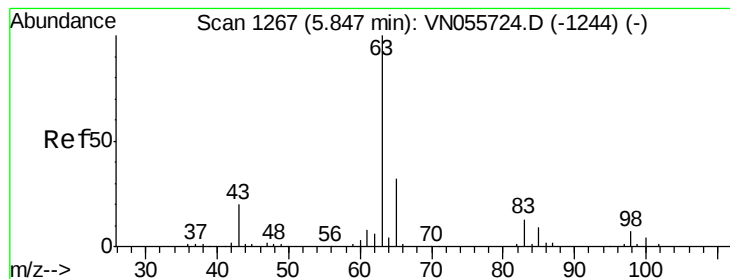
#20
Diisopropyl ether
Concen: 18.845 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 45 Resp: 195978
Ion Ratio Lower Upper
45 100
43 57.8 48.6 73.0
87 29.5 22.6 34.0
59 11.5 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: 19.552 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

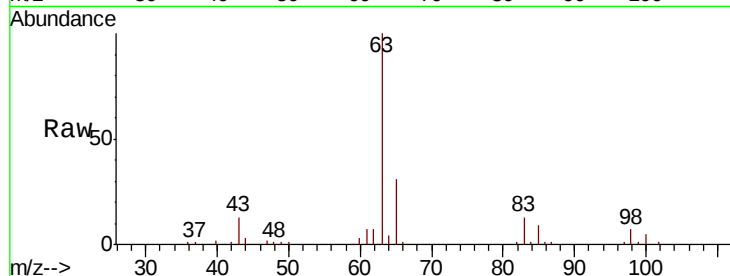
Tgt Ion: 63 Resp: 114919

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.8 2.2 6.6

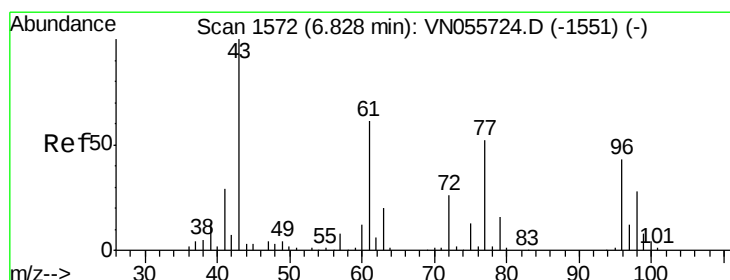
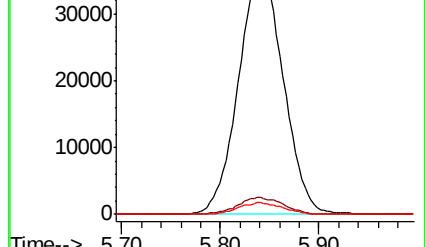
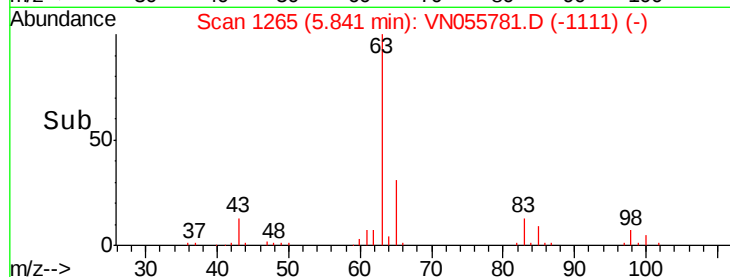


Abundance Ion 63.00 (62.70 to 63.70): VN055724.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-1244) (-)

Time--> 5.70 5.80 5.90



#22

cis-1,2-Dichloroethene

Concen: 20.439 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

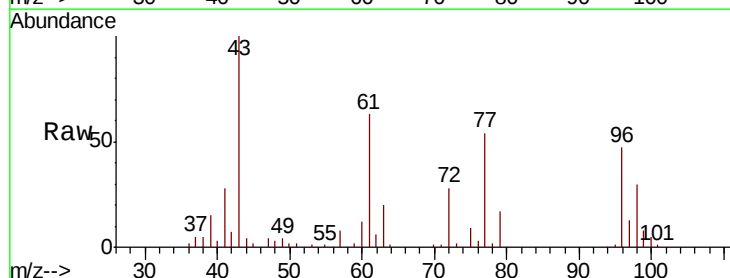
Tgt Ion: 96 Resp: 76326

Ion Ratio Lower Upper

96 100

61 137.2 115.7 173.5

98 65.0 51.5 77.3

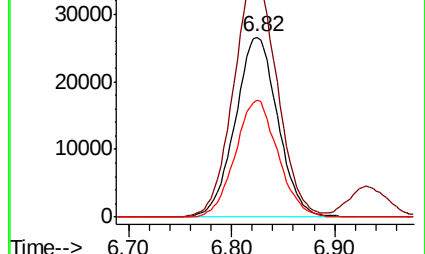
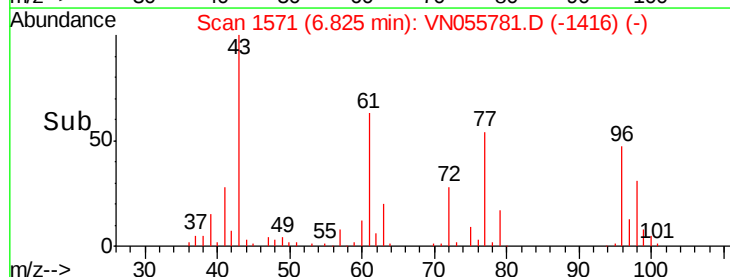


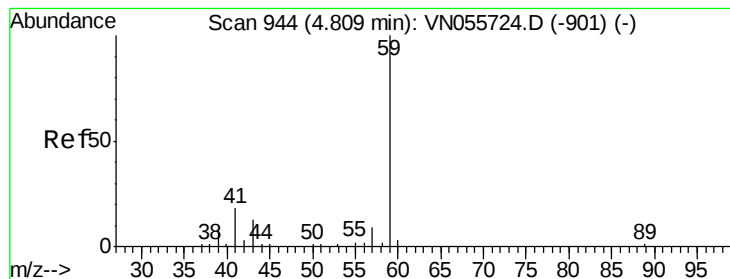
Abundance Ion 96.00 (95.70 to 96.70): VN055724.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN055724.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN055724.D (-1551) (-)

Time--> 6.70 6.80 6.90





#23

tert-Butyl Alcohol

Concen: 88.231 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

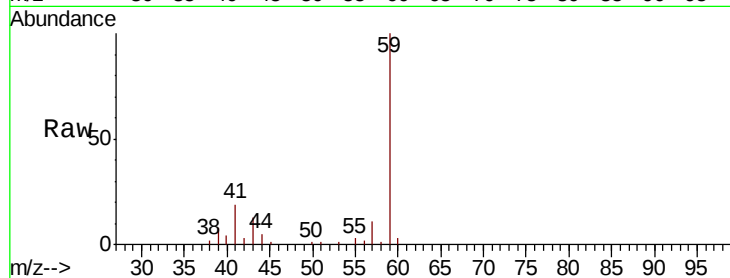
VSTDCCC020

Tgt Ion: 59 Resp: 64312

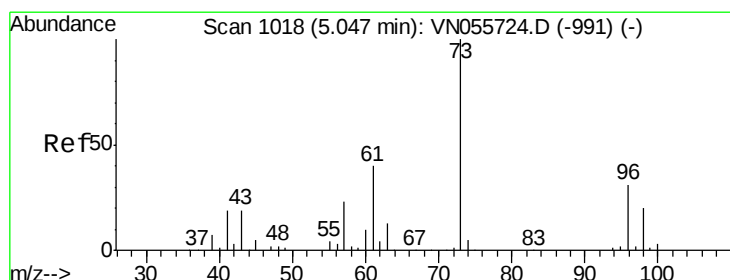
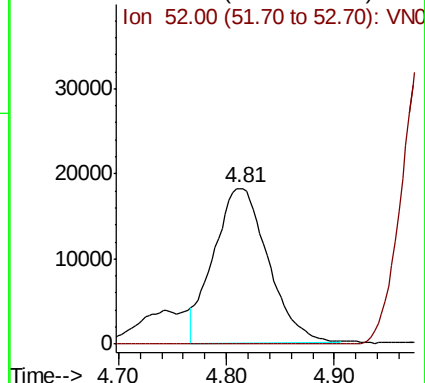
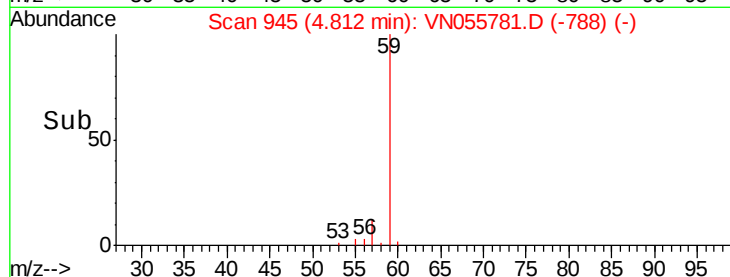
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN055724.D (-901) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.676 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055781.D

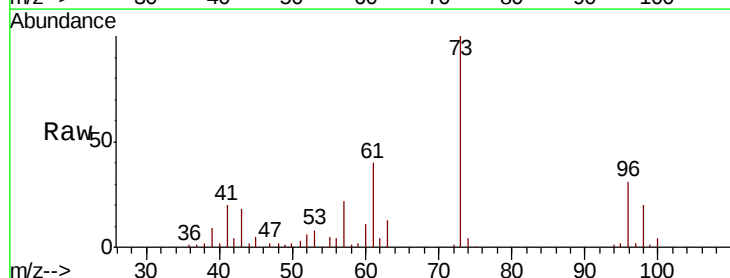
Acq: 24 May 2019 8:56

Tgt Ion: 73 Resp: 198727

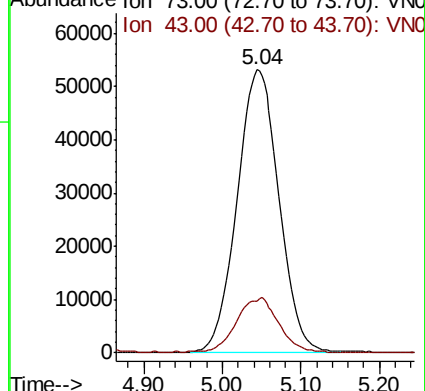
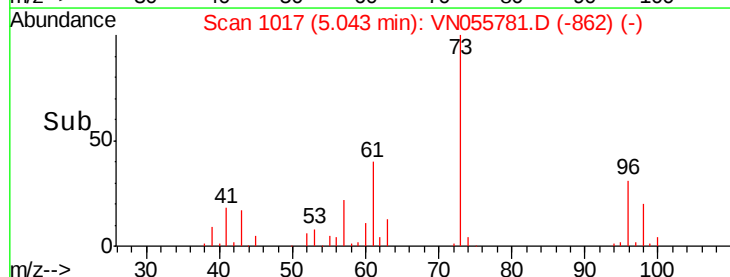
Ion Ratio Lower Upper

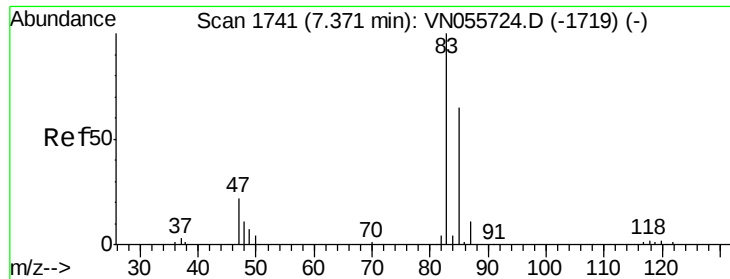
73 100

43 8.3 15.7 23.5#



Abundance Ion 73.00 (72.70 to 73.70): VN055724.D (-991) (-)

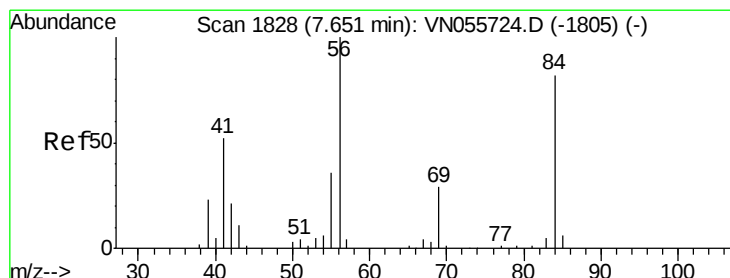
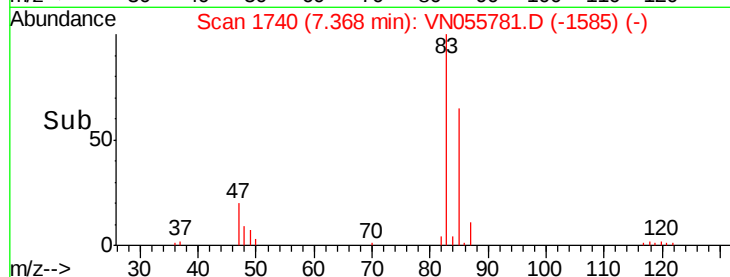
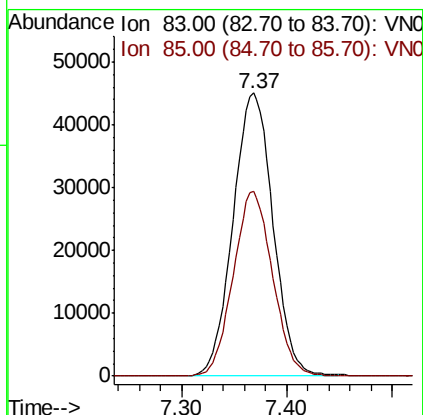
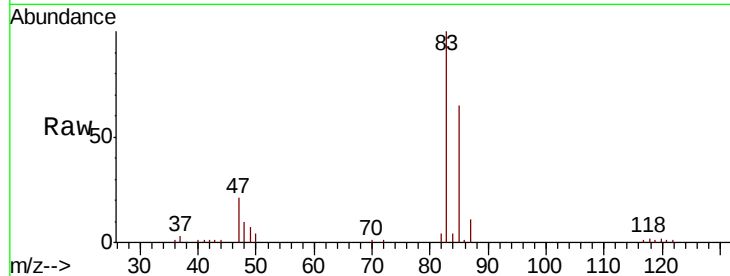




#25
Chloroform
Concen: 20.444 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

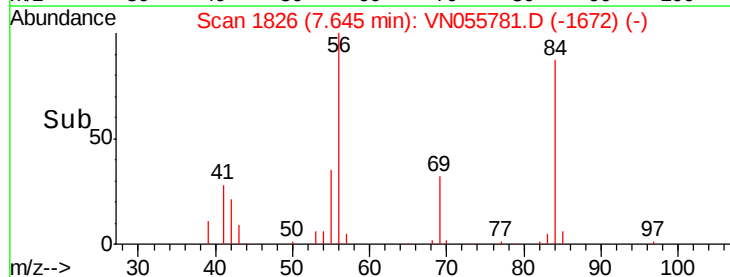
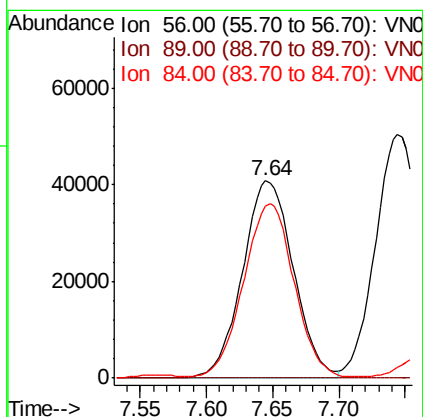
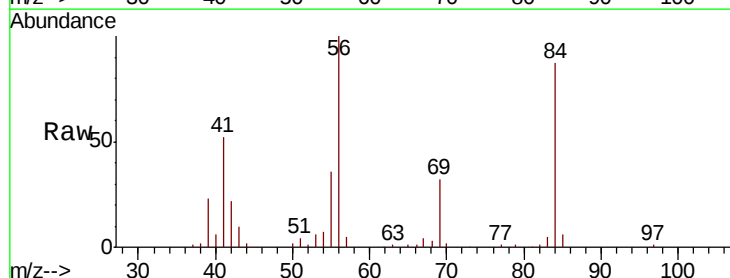
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

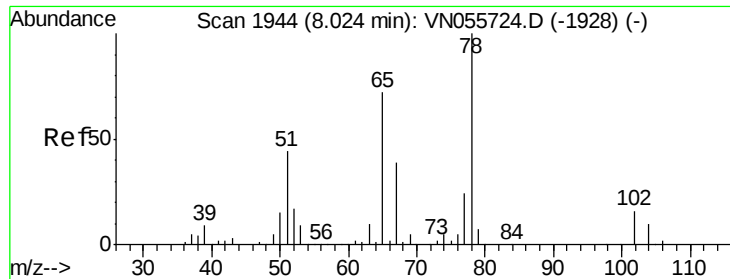
Tgt Ion: 83 Resp: 118678
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5



#26
Cyclohexane
Concen: 20.091 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 56 Resp: 108936
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.7 67.2 100.8

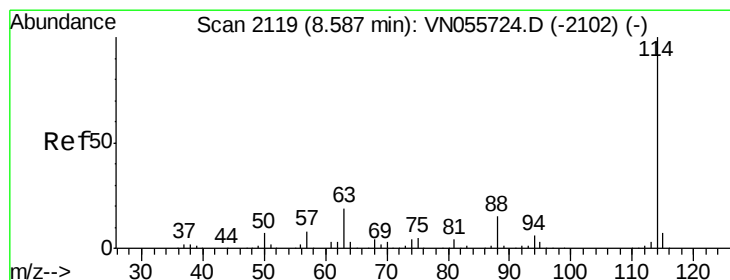
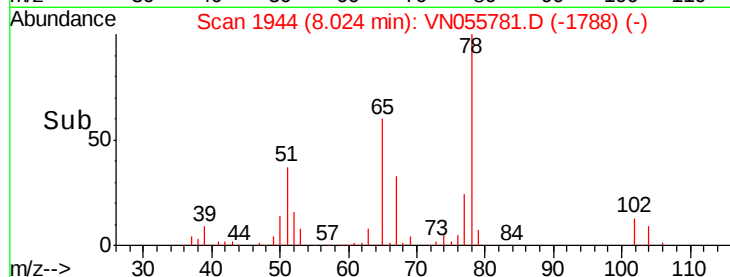
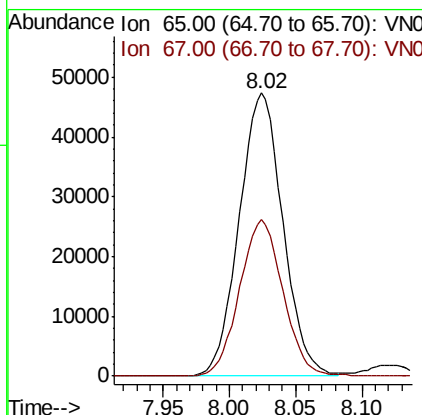
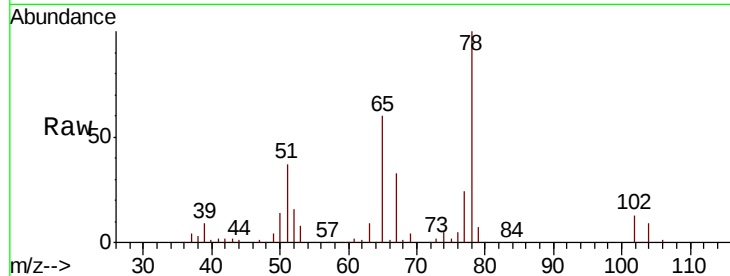




#27
 1,2-Dichloroethane-d4
 Concen: 29.409 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

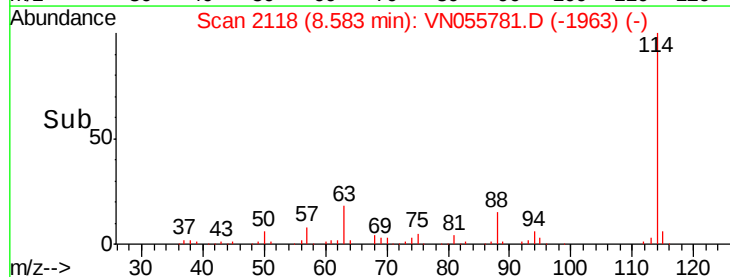
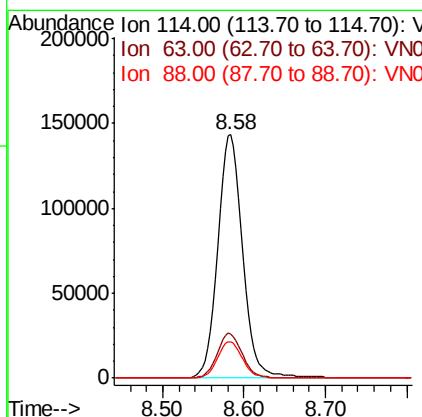
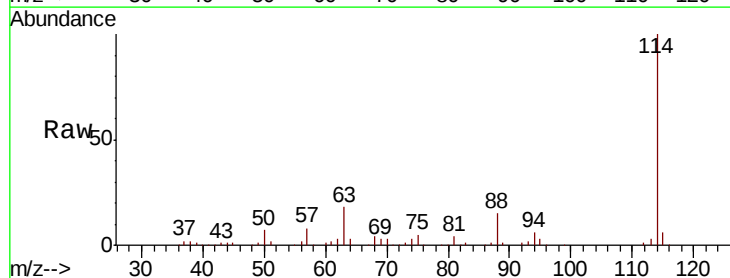
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

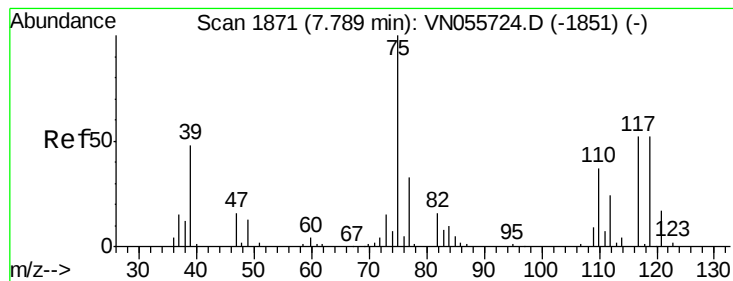
Tgt Ion: 65 Resp: 108402
 Ion Ratio Lower Upper
 65 100
 67 54.9 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 114 Resp: 311263
 Ion Ratio Lower Upper
 114 100
 63 18.3 15.6 23.4
 88 15.2 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.096 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

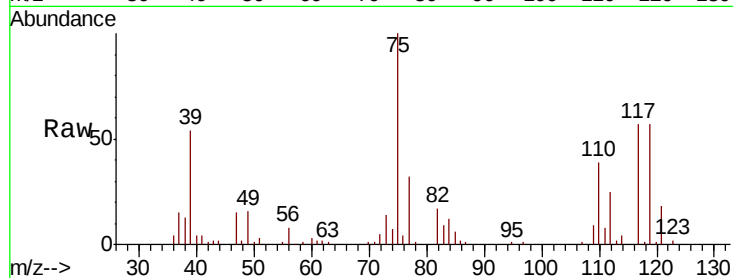
Tgt Ion: 75 Resp: 87566

Ion Ratio Lower Upper

75 100

110 39.5 0.0 74.8

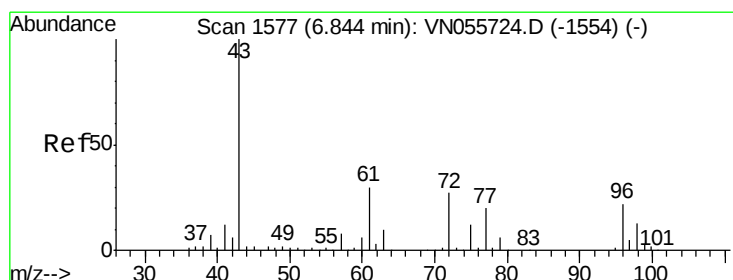
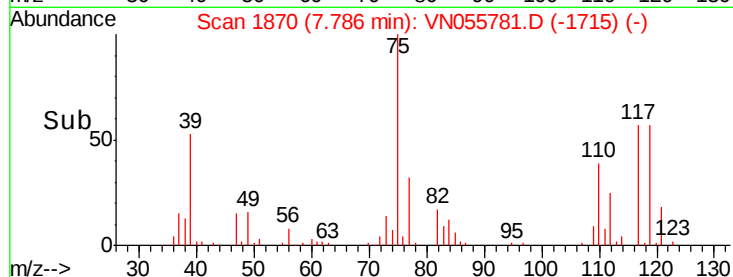
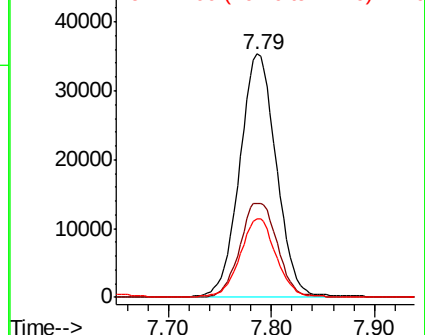
77 31.7 0.0 65.2



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

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

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



#30

2-Butanone

Concen: 99.970 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

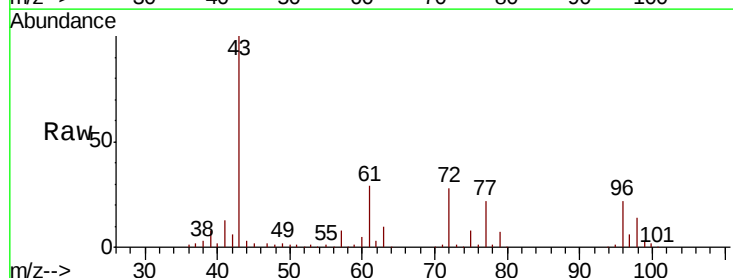
Tgt Ion: 43 Resp: 232181

Ion Ratio Lower Upper

43 100

57 8.6 6.6 10.0

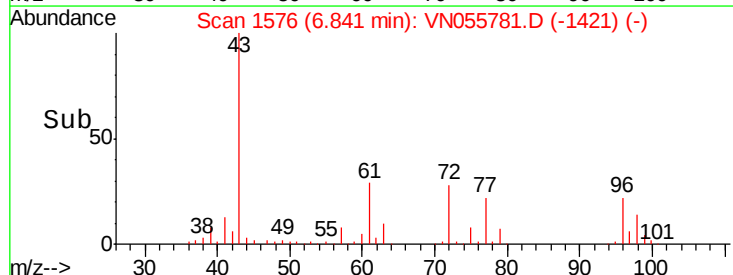
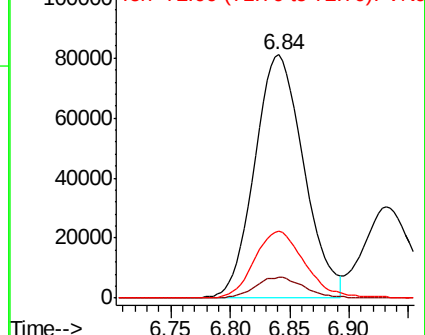
72 28.4 21.7 32.5

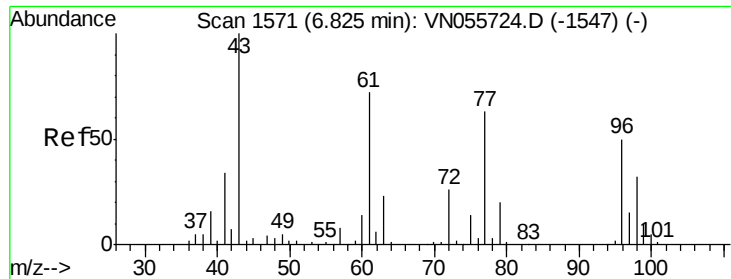


Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1554) (-)

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

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





#31

2,2-Dichloropropane

Concen: 20.161 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

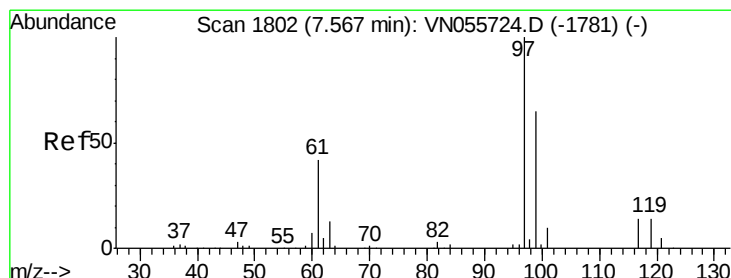
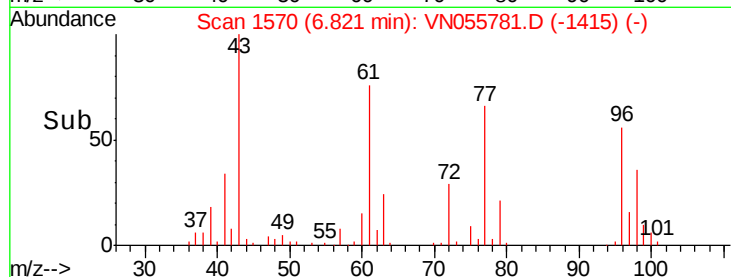
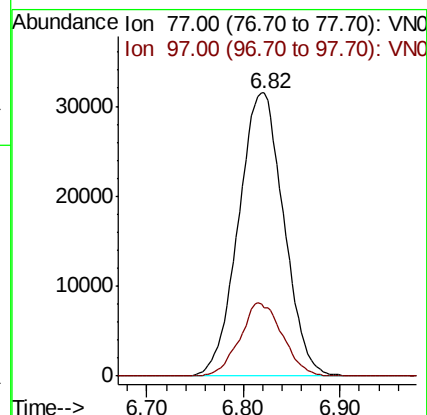
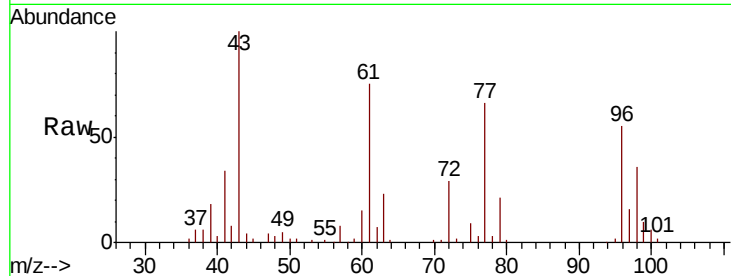
VSTDCCC020

Tgt Ion: 77 Resp: 102232

Ion Ratio Lower Upper

77 100

97 24.4 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 20.244 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

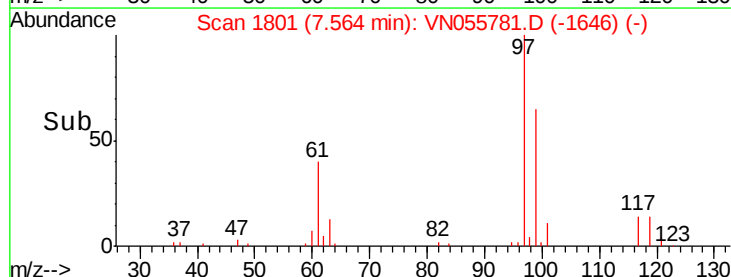
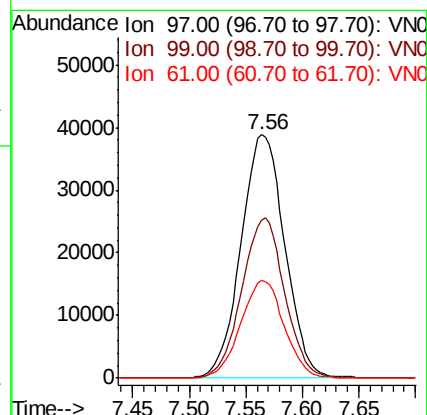
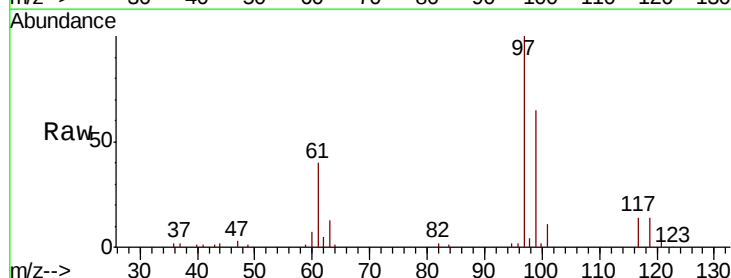
Tgt Ion: 97 Resp: 104555

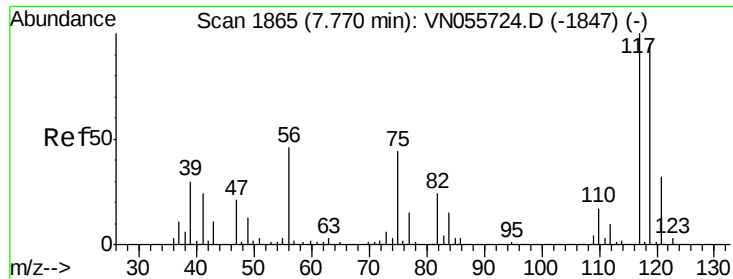
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 39.8 33.1 49.7

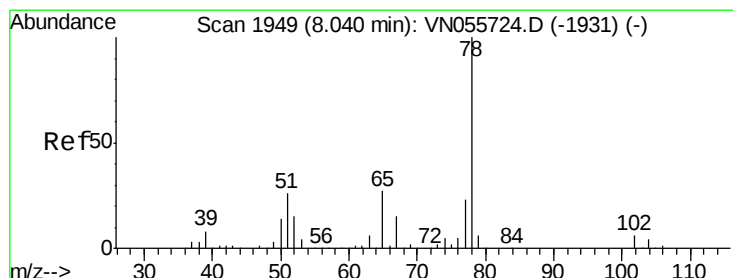
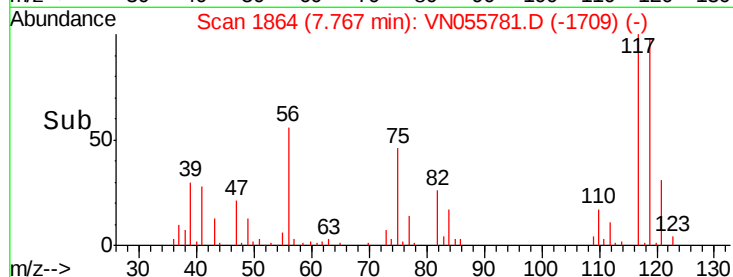
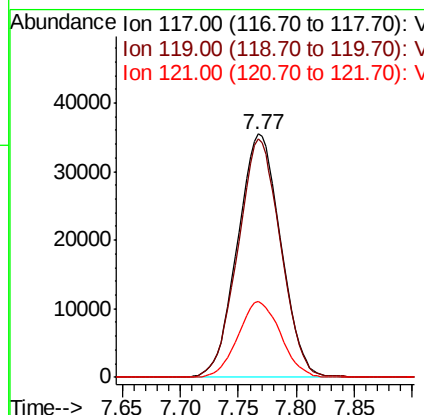
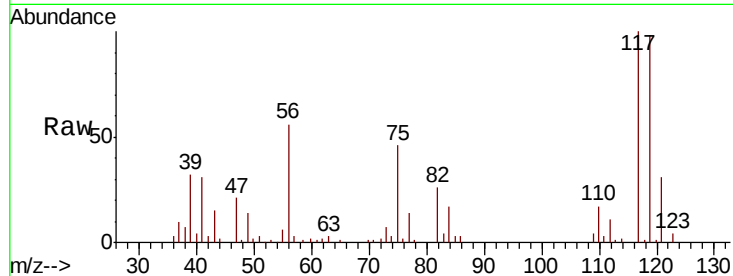




#33
Carbon Tetrachloride
Concen: 19.847 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

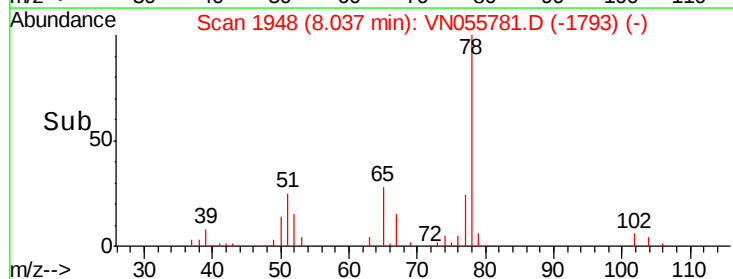
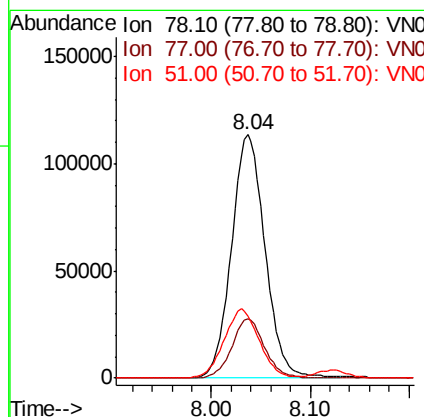
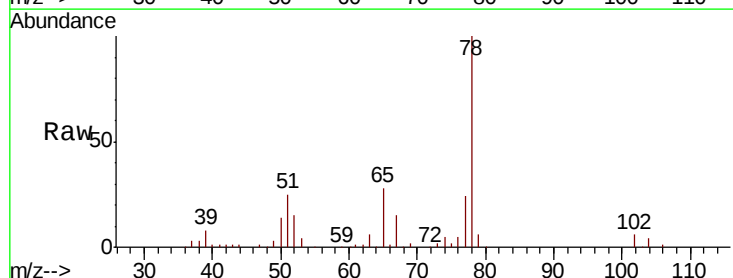
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

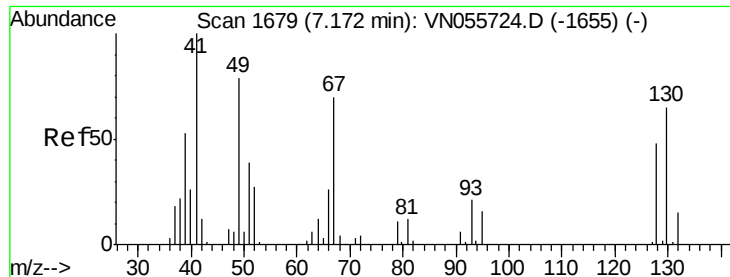
Tgt Ion:117 Resp: 91697
Ion Ratio Lower Upper
117 100
119 98.2 75.8 113.8
121 31.0 25.4 38.0



#34
Benzene
Concen: 20.005 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 78 Resp: 269120
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2
51 25.2 20.6 31.0

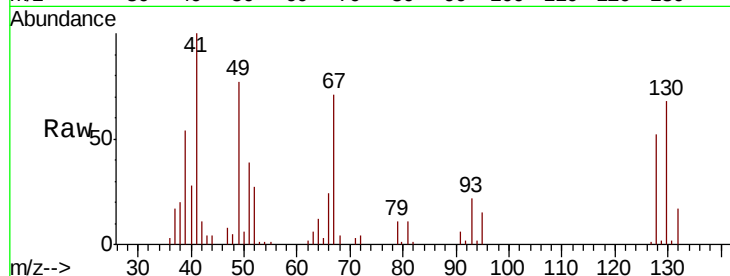




#35
Methacrylonitrile
Concen: 16.393 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	35141
Ion	Ratio	Lower	Upper
41	100		
39	53.7	26.7	80.1
67	71.0	34.9	104.7
52	26.8	13.6	40.8



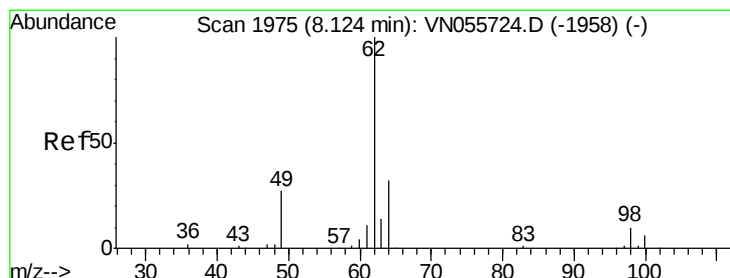
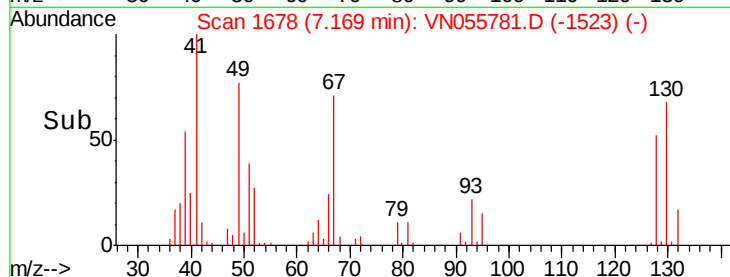
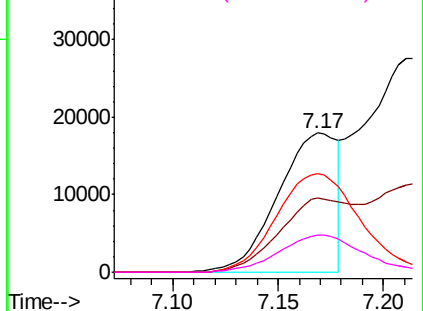
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

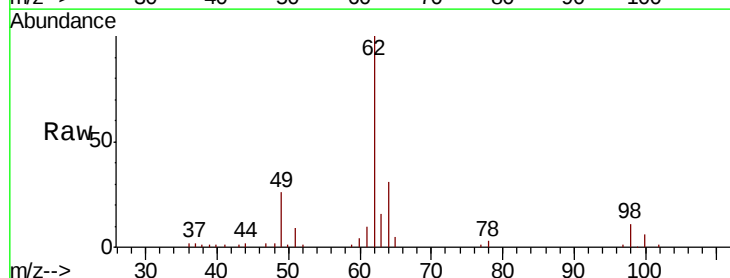
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#36
1,2-Dichloroethane
Concen: 20.114 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

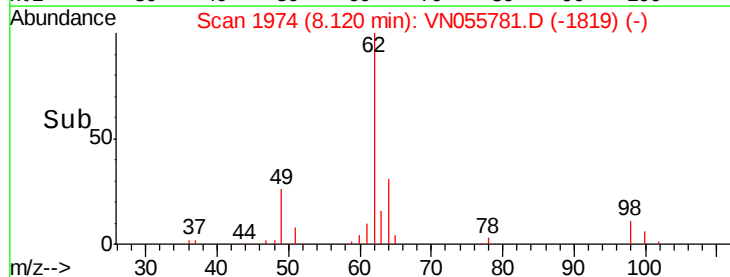
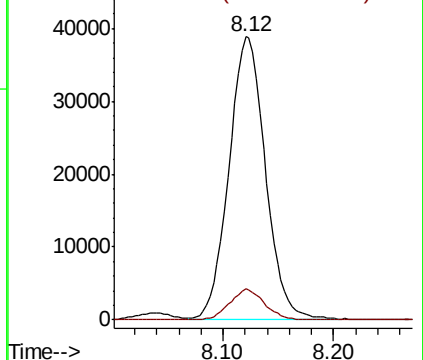
Tgt Ion:	62	Resp:	88428
Ion	Ratio	Lower	Upper
62	100		
98	10.4	8.2	12.2

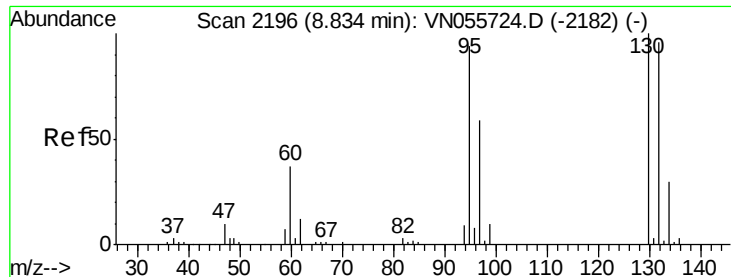


Abundance

Ion 62.00 (61.70 to 62.70): VNC

Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 20.980 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

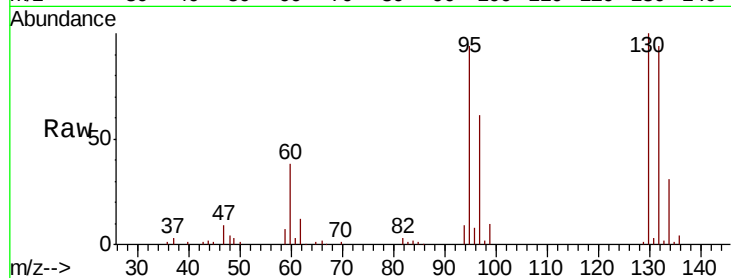
VSTDCCC020

Tgt Ion:130 Resp: 78749

Ion Ratio Lower Upper

130 100

95 94.3 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

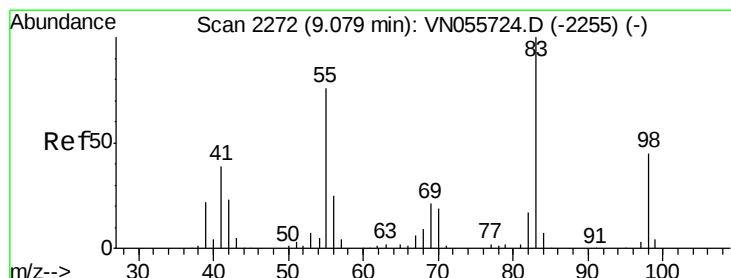
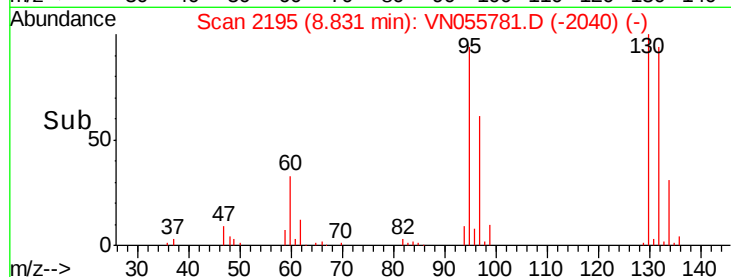
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 20.520 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

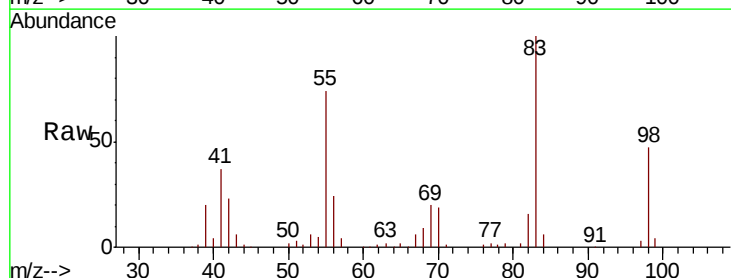
Tgt Ion: 83 Resp: 113287

Ion Ratio Lower Upper

83 100

55 74.3 37.8 113.4

98 48.0 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

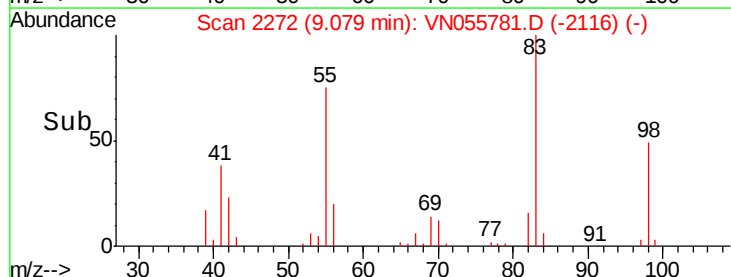
40000

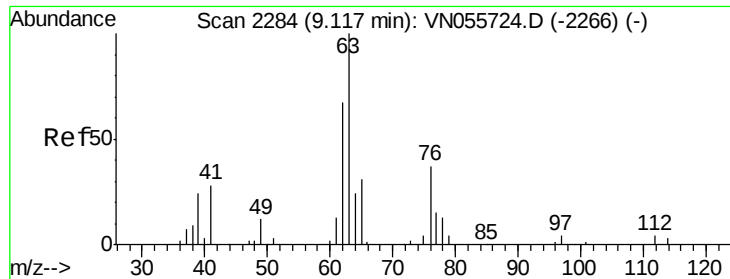
20000

0

9.00 9.05 9.10 9.15

Time-->

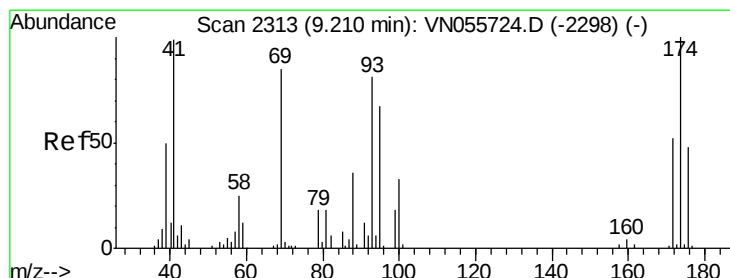
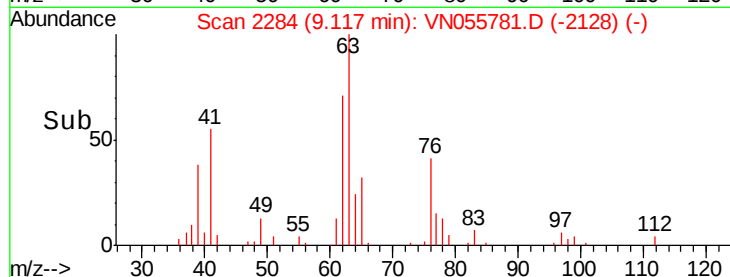
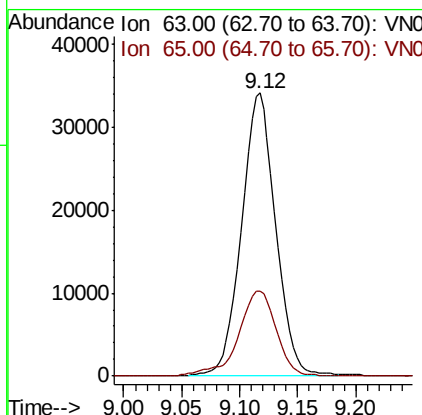
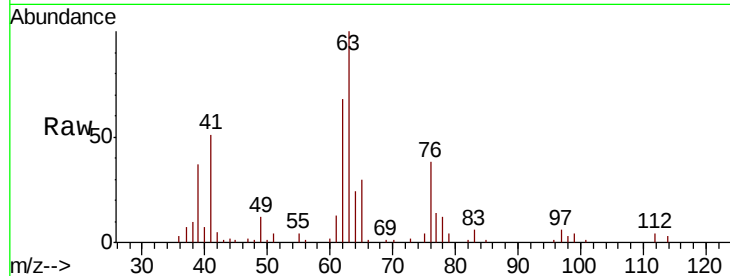




#39
 1,2-Dichloropropane
 Concen: 19.370 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

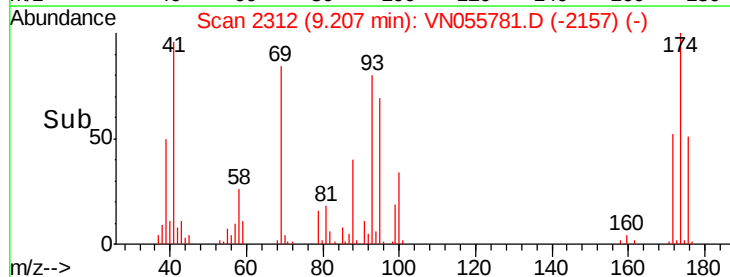
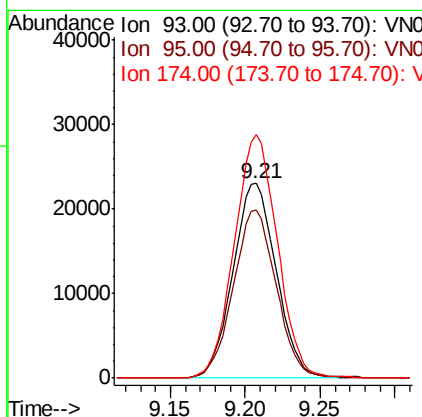
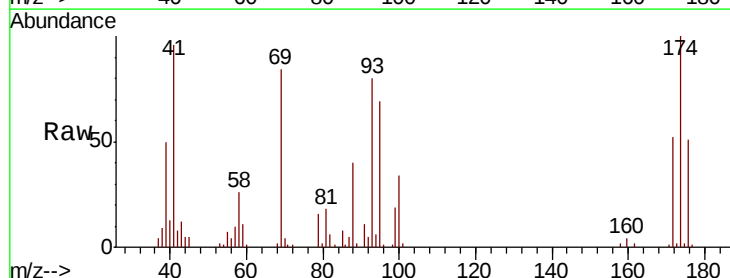
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

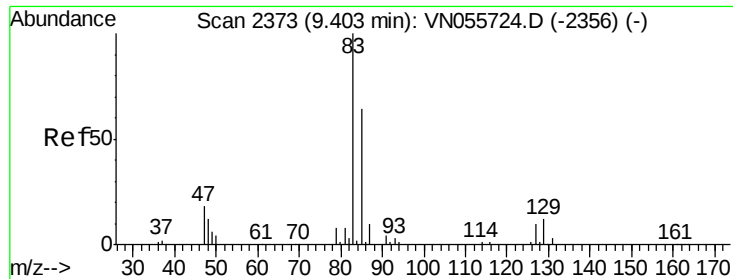
Tgt Ion: 63 Resp: 70050
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.8 38.8



#40
 Dibromomethane
 Concen: 19.931 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 93 Resp: 46545
 Ion Ratio Lower Upper
 93 100
 95 85.3 0.0 170.6
 174 124.1 0.0 248.4





#41

Bromodichloromethane

Concen: 19.191 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

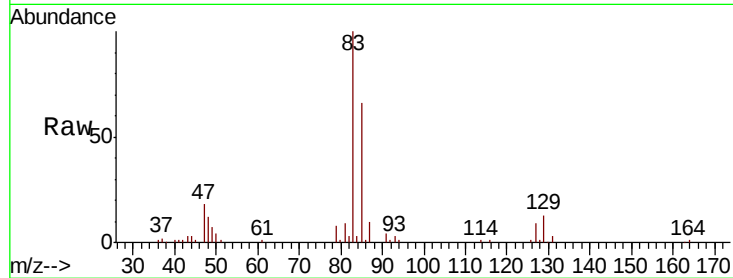
Tgt Ion: 83 Resp: 91852

Ion Ratio Lower Upper

83 100

85 66.3 51.4 77.0

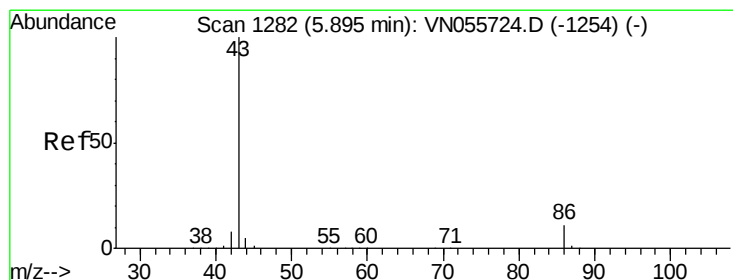
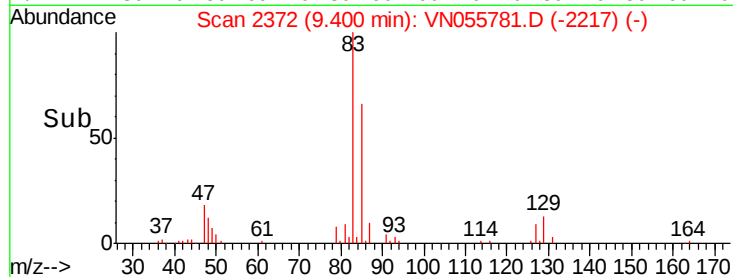
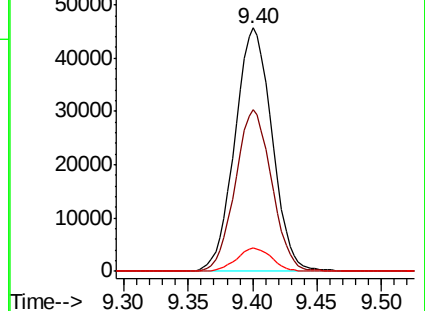
127 9.4 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN055724.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN055724.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN055724.D (-2356) (-)



#42

Vinyl Acetate

Concen: 92.707 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055781.D

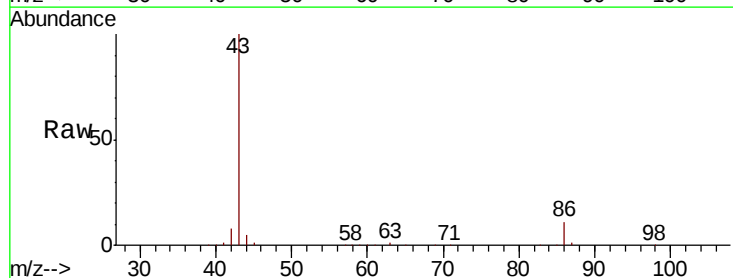
Acq: 24 May 2019 8:56

Tgt Ion: 43 Resp: 835969

Ion Ratio Lower Upper

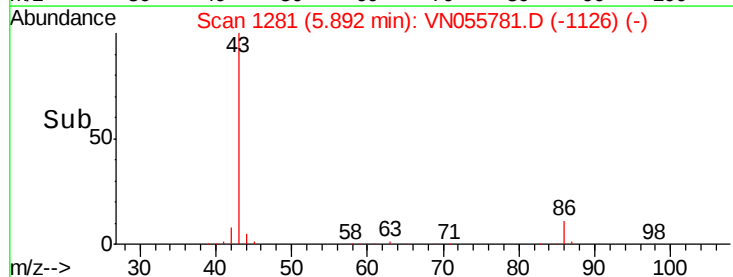
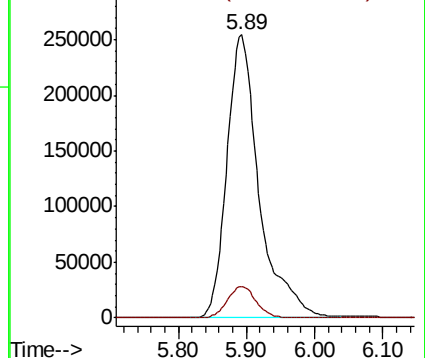
43 100

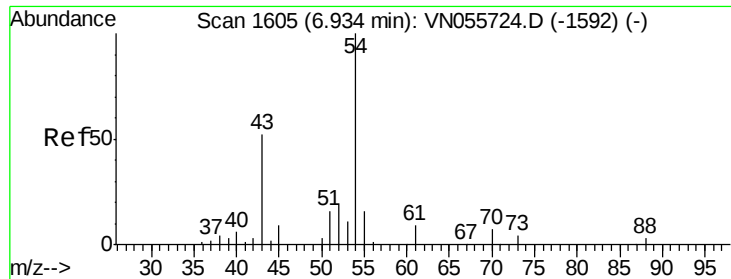
86 9.9 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055724.D (-1254) (-)





#43

Ethyl Acetate

Concen: 18.606 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

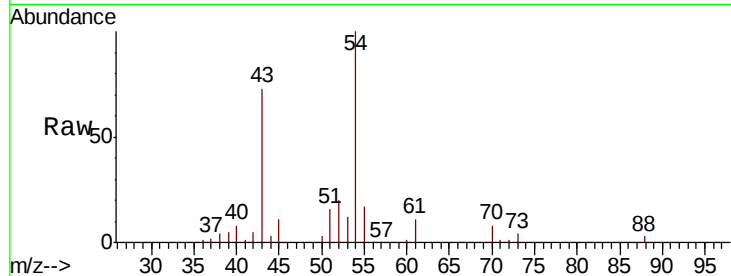
VSTDCCC020

Tgt Ion: 43 Resp: 84938

Ion Ratio Lower Upper

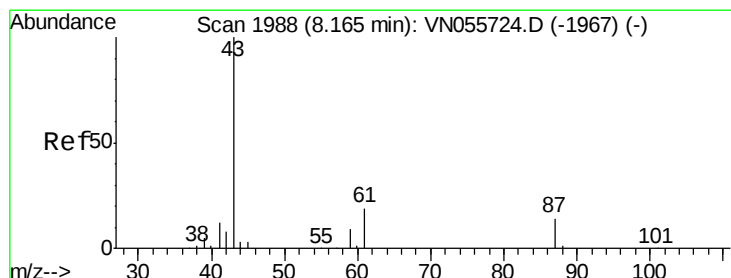
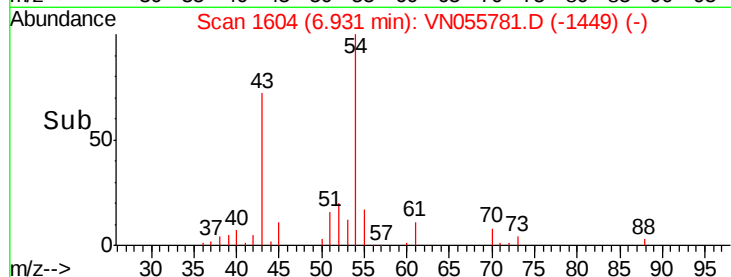
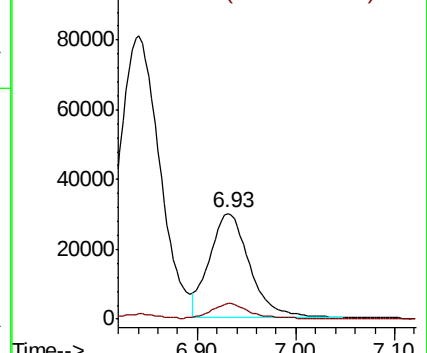
43 100

45 15.0 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 17.822 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055781.D

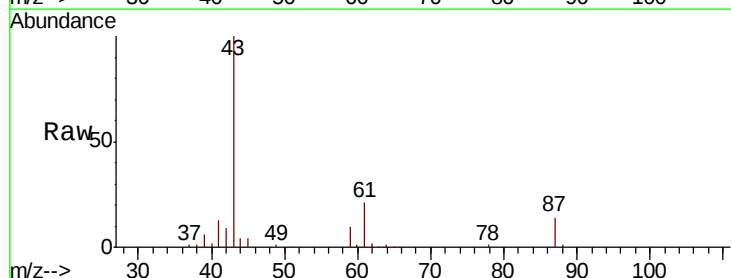
Acq: 24 May 2019 8:56

Tgt Ion: 43 Resp: 134730

Ion Ratio Lower Upper

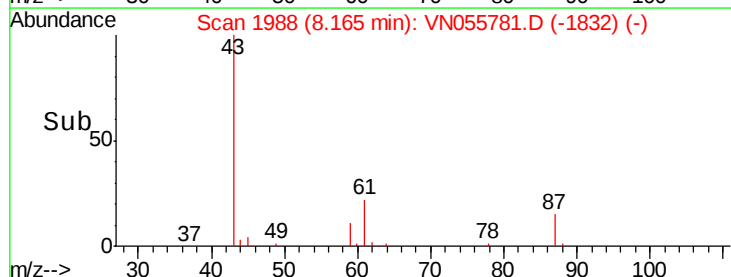
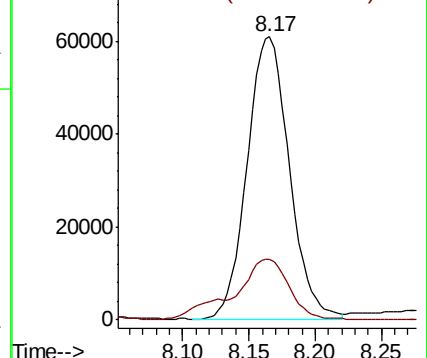
43 100

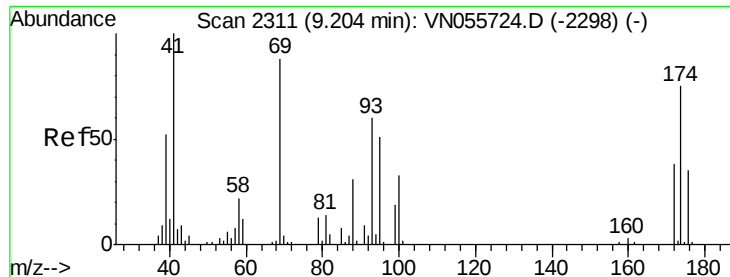
61 22.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 407.164 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

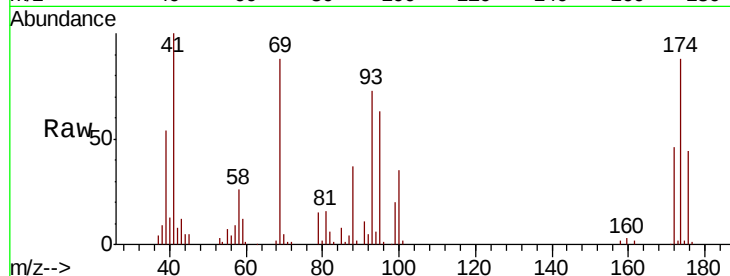
Tgt Ion: 88 Resp: 28957

Ion Ratio Lower Upper

88 100

43 23.7 20.5 30.7

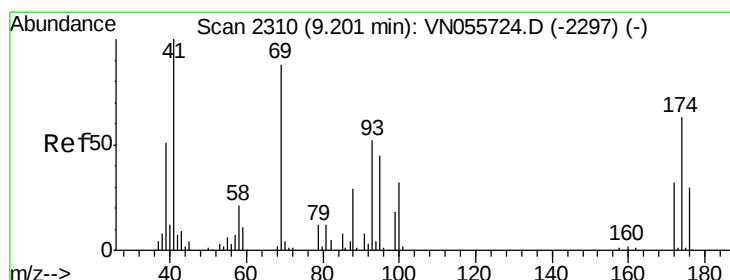
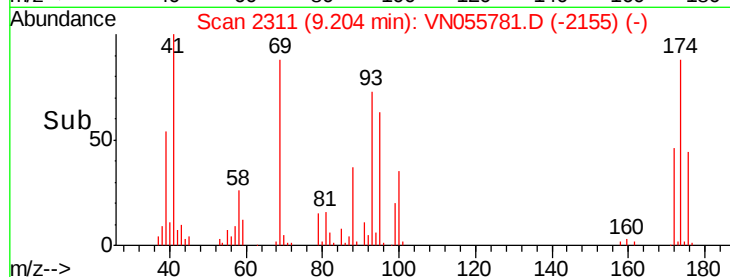
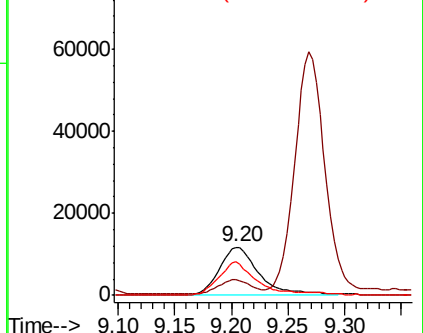
58 63.9 56.1 84.1



Abundance Ion 88.00 (87.70 to 88.70): VN055781.D (-2155) (-)

Ion 43.00 (42.70 to 43.70): VN055781.D (-2155) (-)

Ion 58.00 (57.70 to 58.70): VN055781.D (-2155) (-)



#46

Methyl methacrylate

Concen: 18.191 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

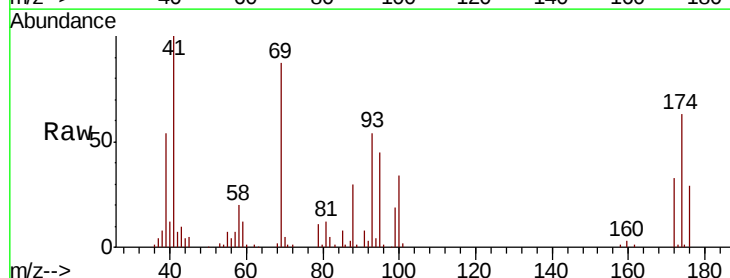
Tgt Ion: 41 Resp: 64161

Ion Ratio Lower Upper

41 100

69 88.3 43.8 131.4

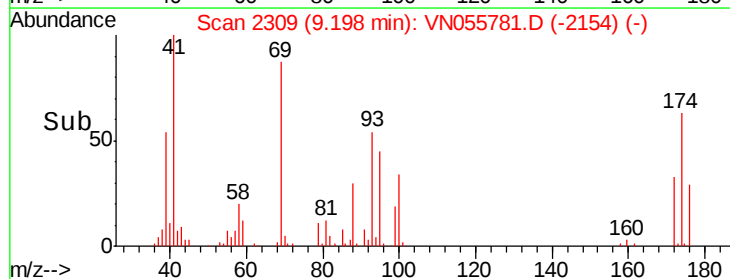
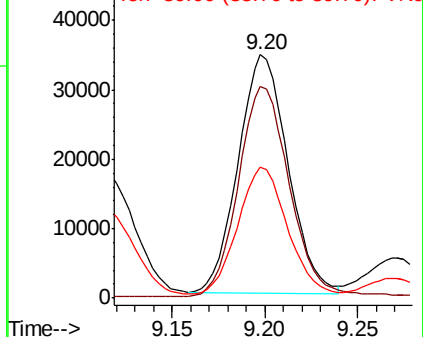
39 53.2 25.6 76.6

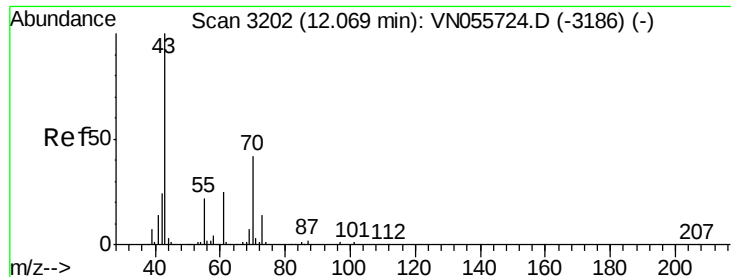


Abundance Ion 41.00 (40.70 to 41.70): VN055781.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN055781.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN055781.D (-2154) (-)

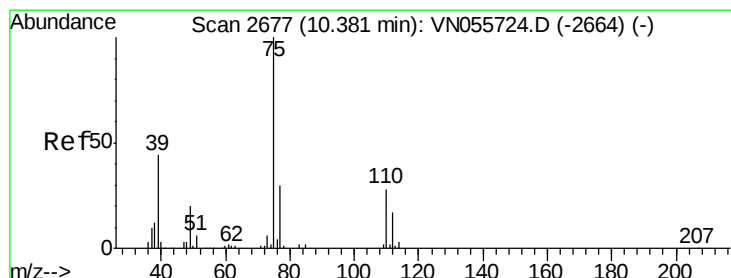
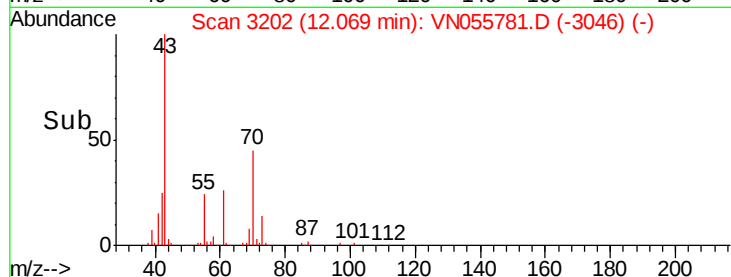
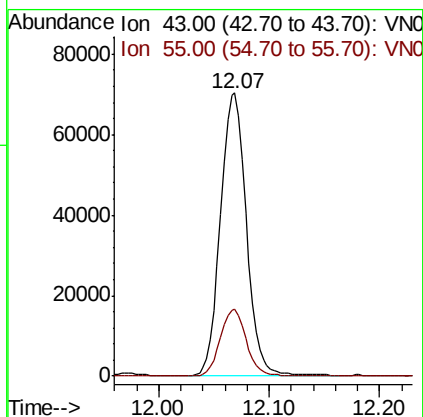
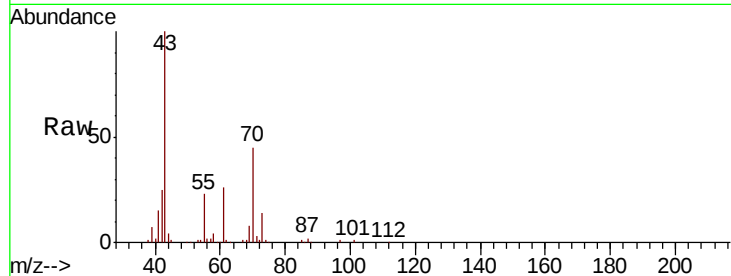




#47
n-amyl Acetate
Concen: 18.255 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

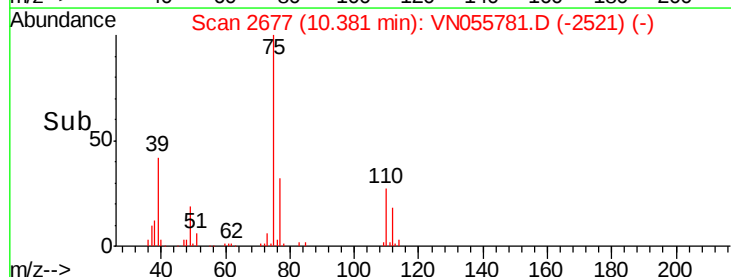
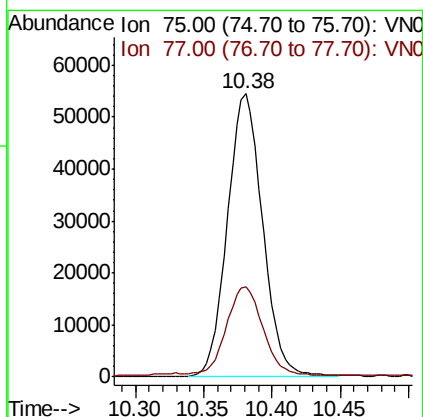
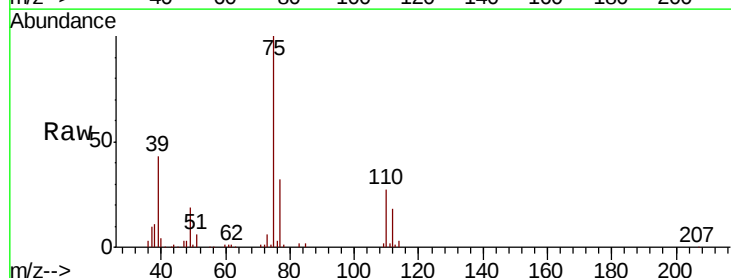
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

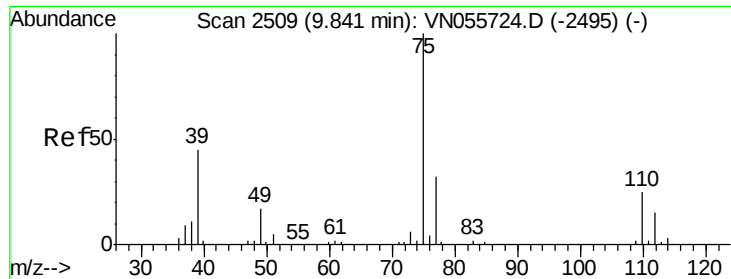
Tgt Ion: 43 Resp: 114143
Ion Ratio Lower Upper
43 100
55 23.8 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 18.556 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 75 Resp: 98039
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8

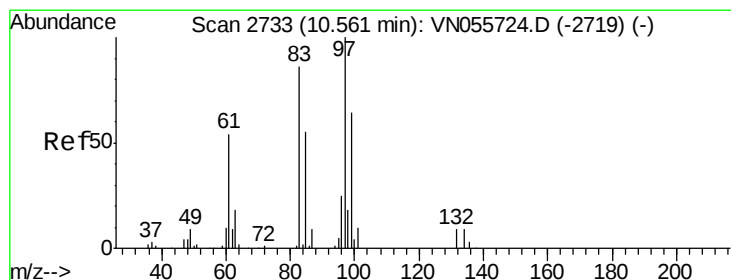
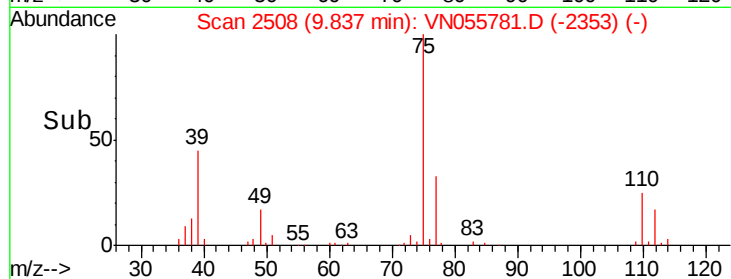
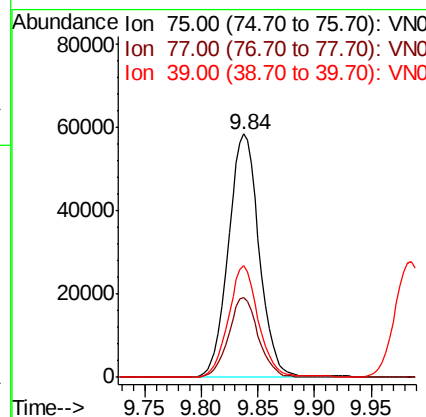
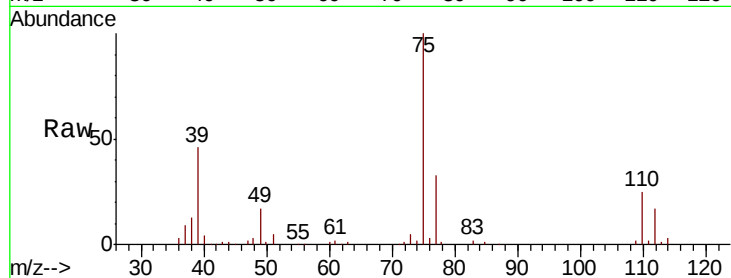




#49
 cis-1,3-Dichloropropene
 Concen: 19.152 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

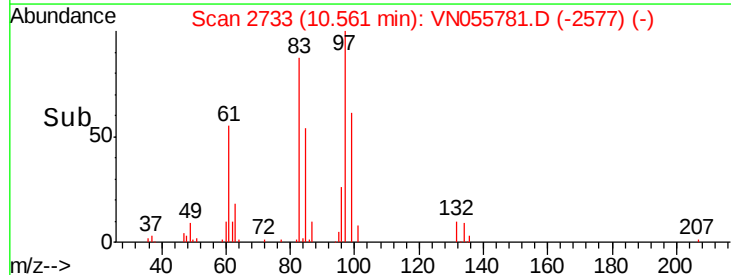
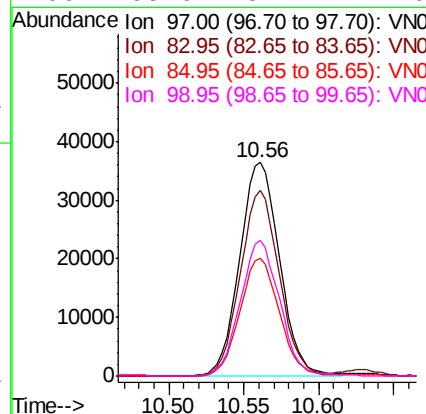
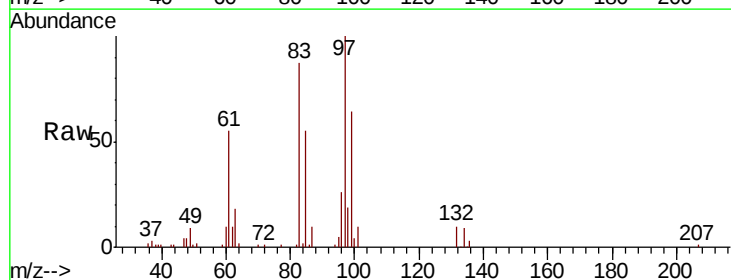
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

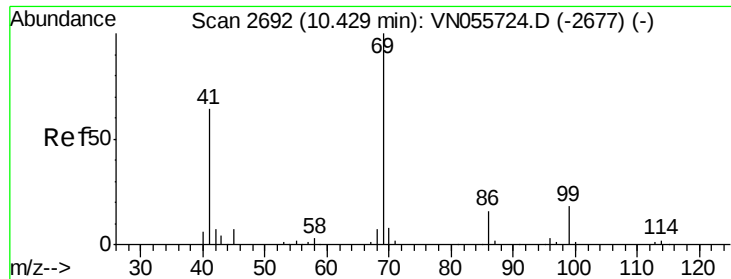
Tgt Ion: 75 Resp: 110752
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.0 39.0
 39 45.7 36.2 54.4



#50
 1,1,2-Trichloroethane
 Concen: 19.938 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 97 Resp: 67784
 Ion Ratio Lower Upper
 97 100
 83 86.9 68.9 103.3
 85 54.8 44.3 66.5
 99 63.6 51.4 77.0

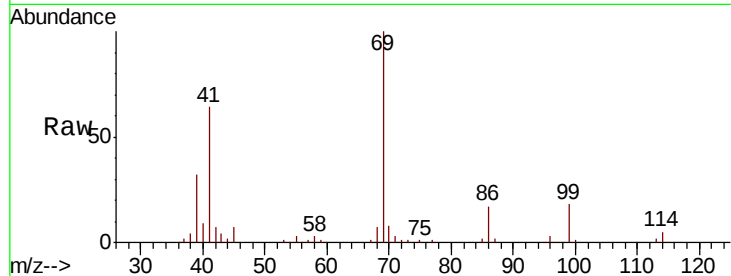




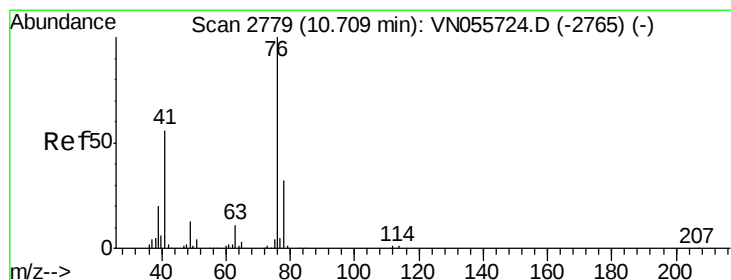
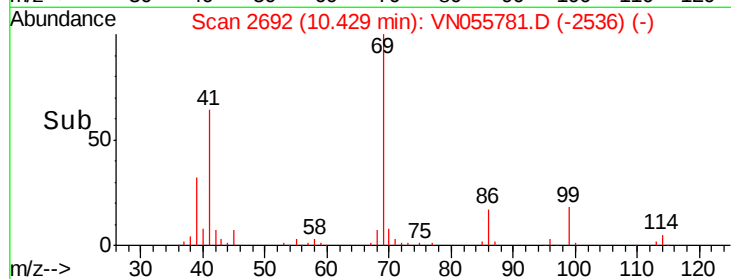
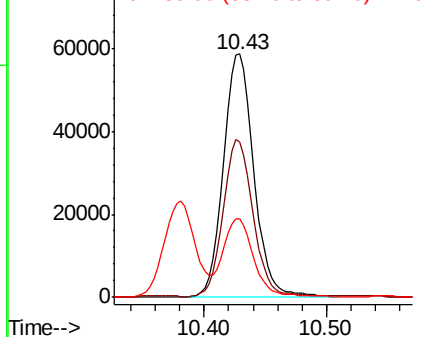
#51
Ethyl methacrylate
Concen: 18.817 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 103112
Ion Ratio Lower Upper
69 100
41 63.5 31.9 95.7
39 31.7 15.7 47.0

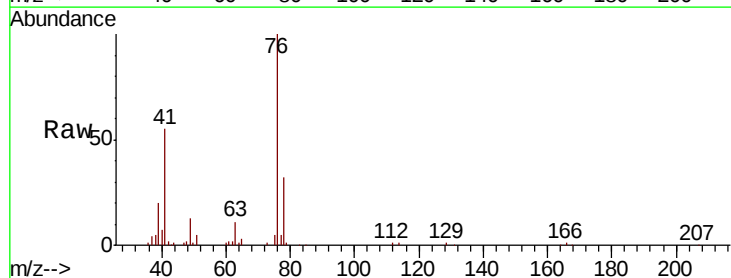


Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

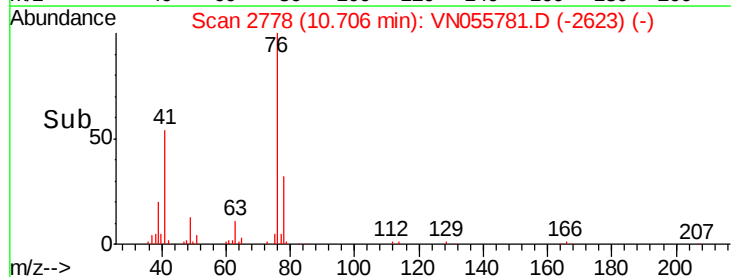
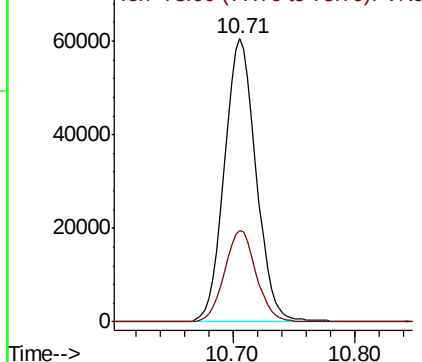


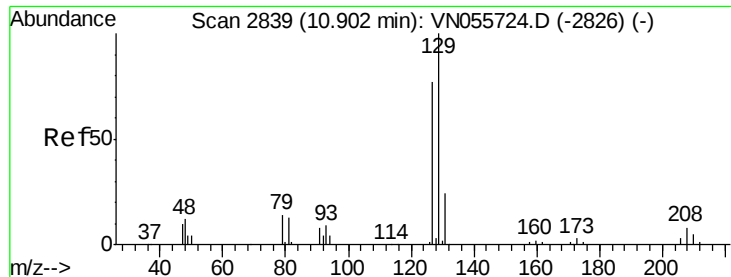
#52
1,3-Dichloropropane
Concen: 19.615 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 76 Resp: 109919
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: 19.281 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

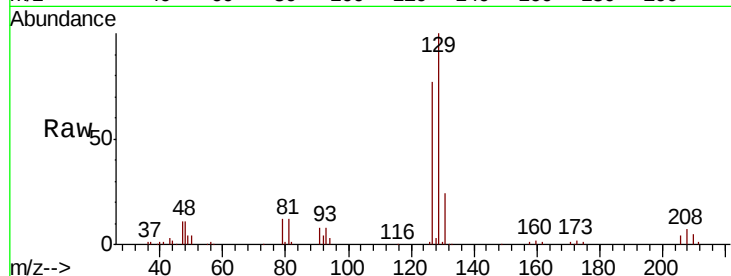
VSTDCCC020

Tgt Ion:129 Resp: 77435

Ion Ratio Lower Upper

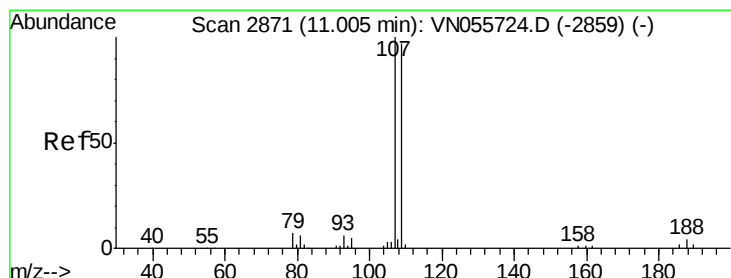
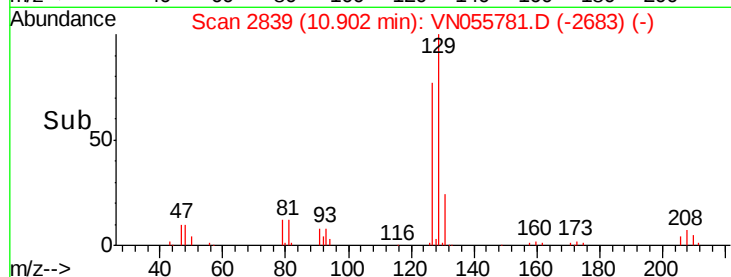
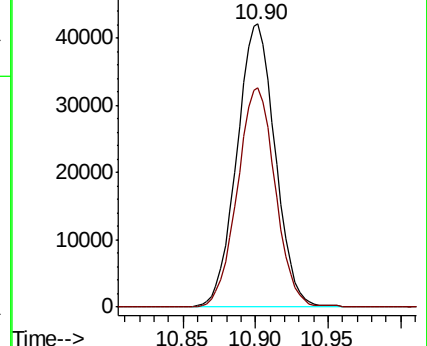
129 100

127 76.4 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: 20.115 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055781.D

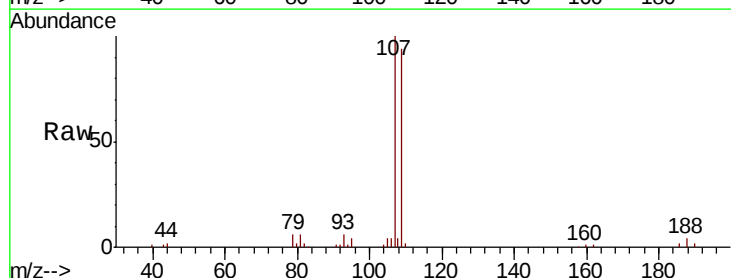
Acq: 24 May 2019 8:56

Tgt Ion:107 Resp: 70764

Ion Ratio Lower Upper

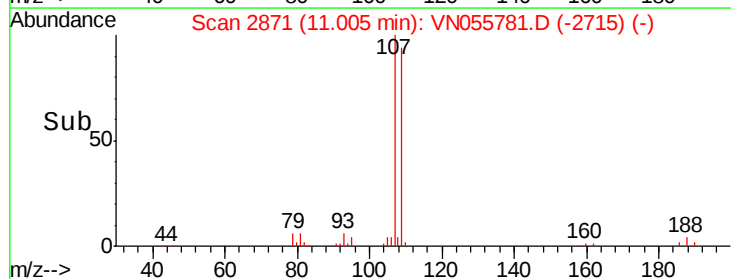
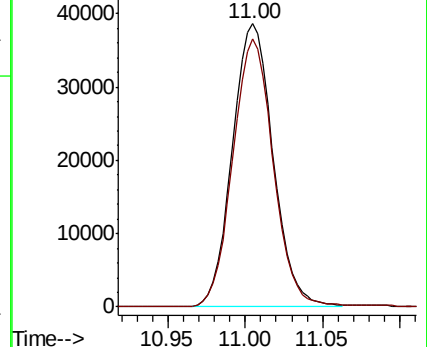
107 100

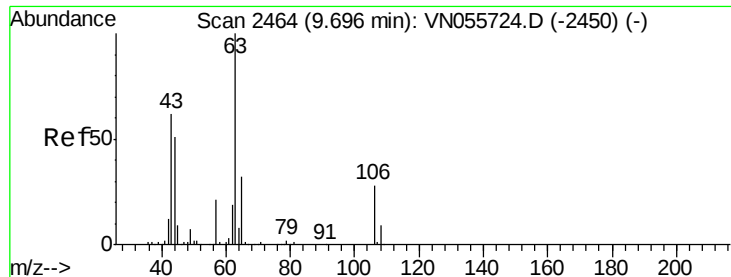
109 93.9 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

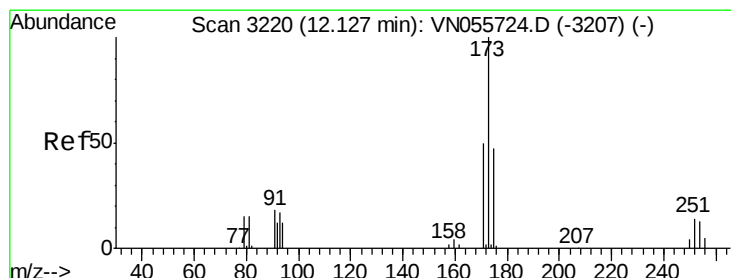
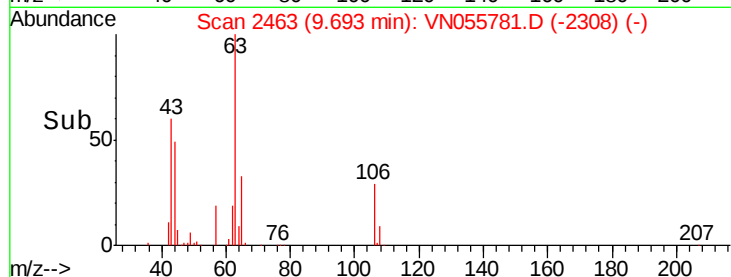
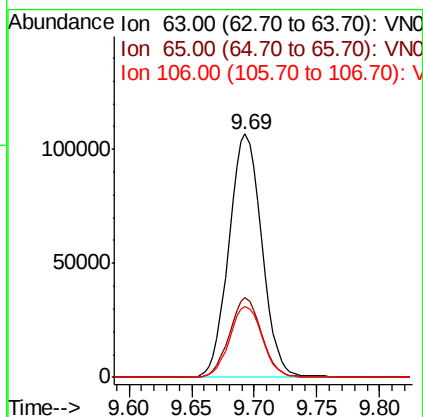
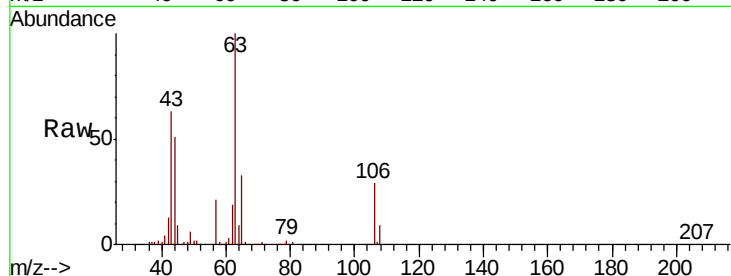




#55
 2-Chloroethyl vinyl ether
 Concen: 91.513 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

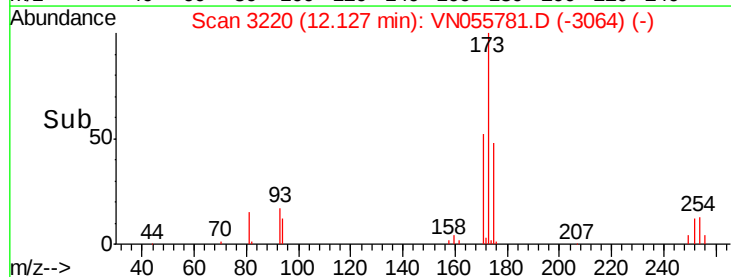
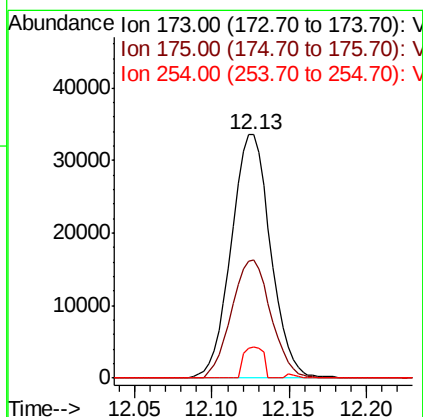
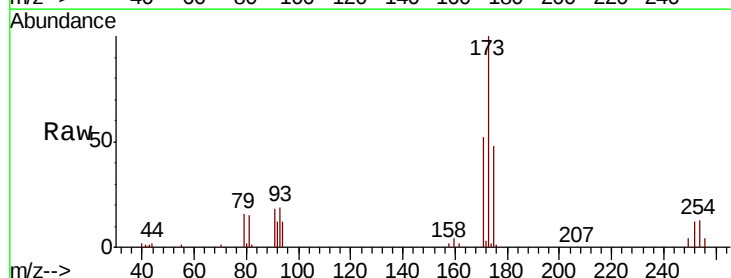
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

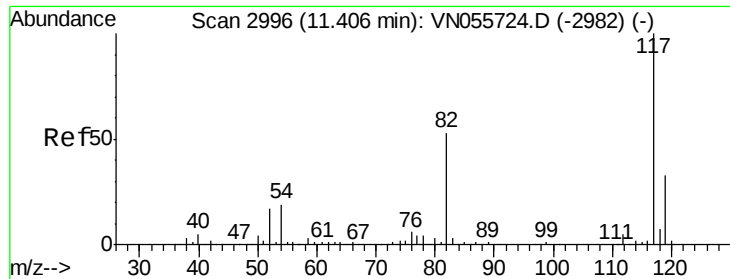
Tgt Ion: 63 Resp: 195114
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.0
 106 28.9 22.1 33.1



#56
 Bromoform
 Concen: 18.034 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 173 Resp: 59410
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.5 57.7
 254 6.3 9.4 14.0#

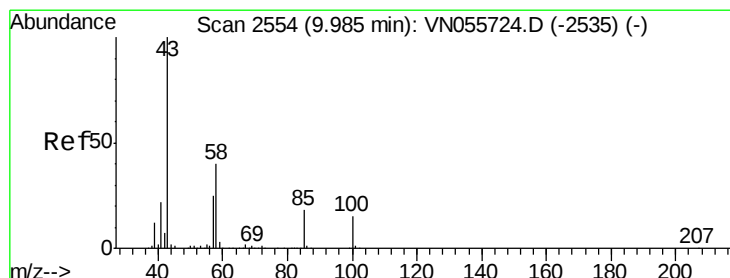
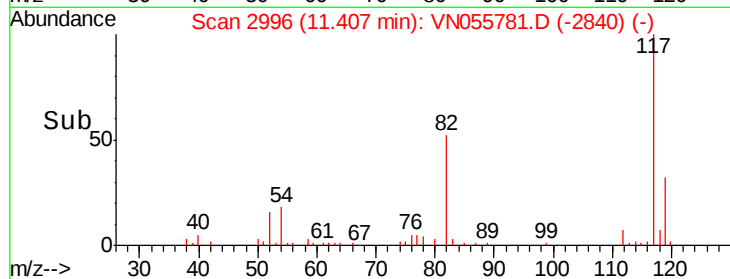
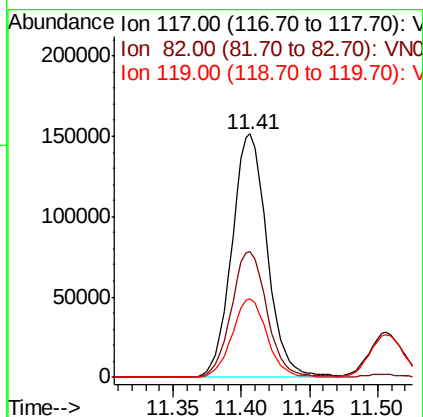
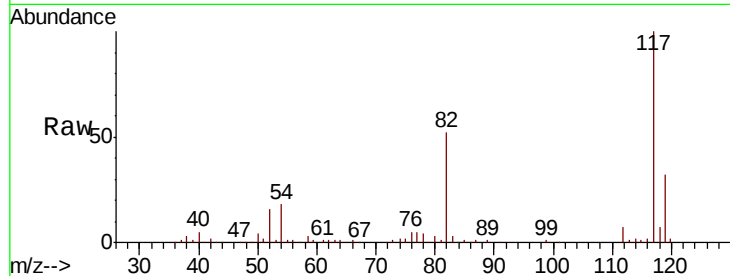




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

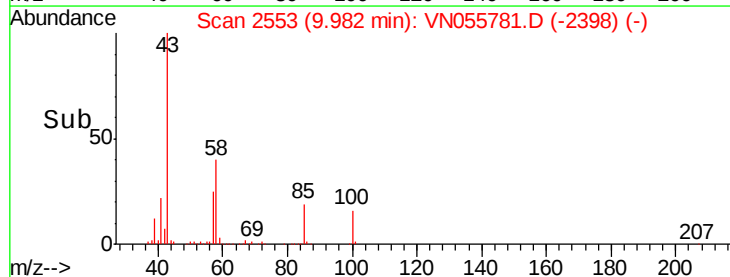
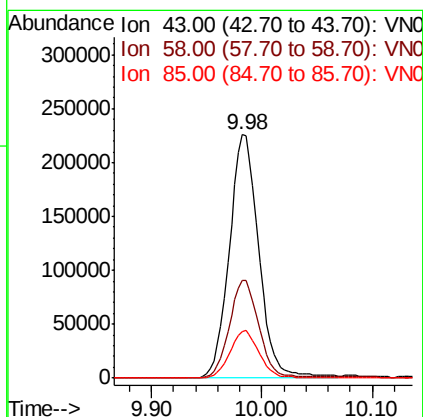
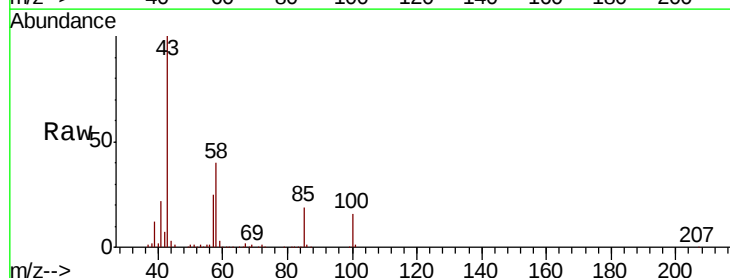
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

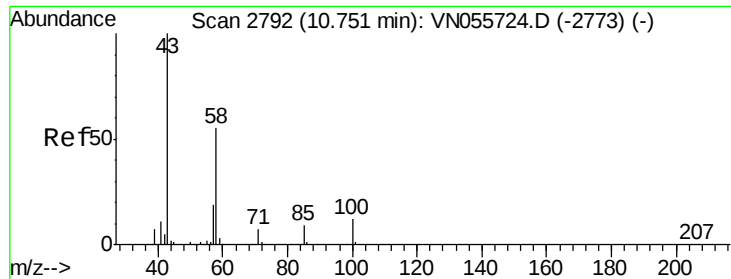
Tgt Ion: 117 Resp: 271638
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 32.1 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 92.975 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 43 Resp: 418093
Ion Ratio Lower Upper
43 100
58 40.4 31.7 47.5
85 19.4 14.5 21.7

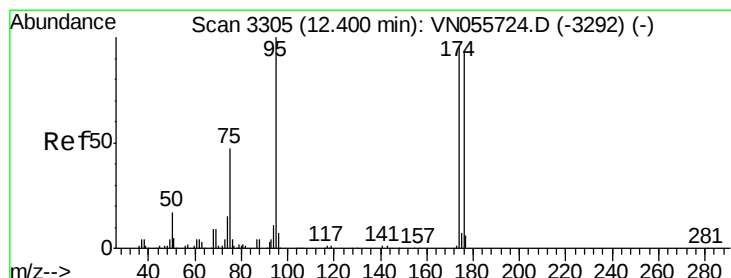
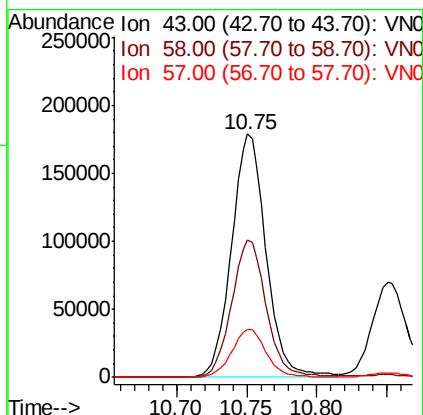
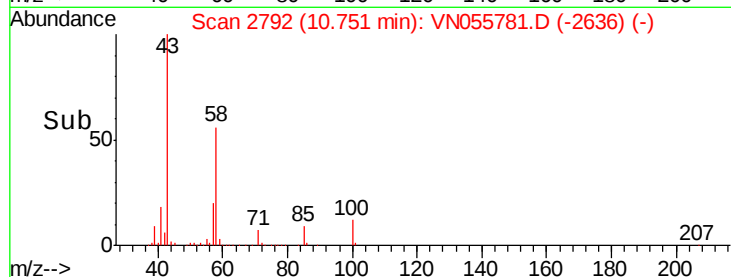
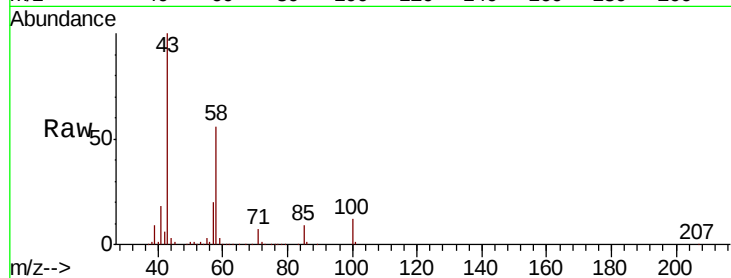




#59
2-Hexanone
Concen: 95.055 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

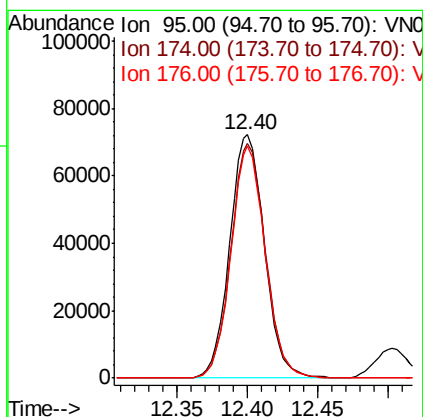
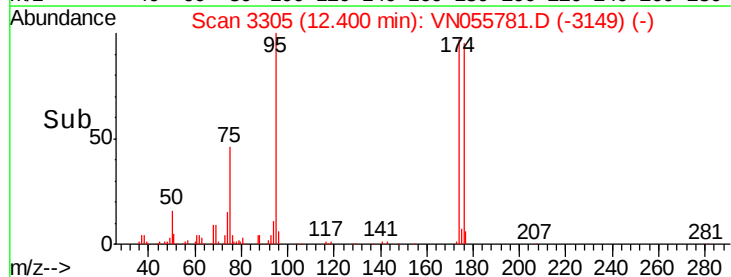
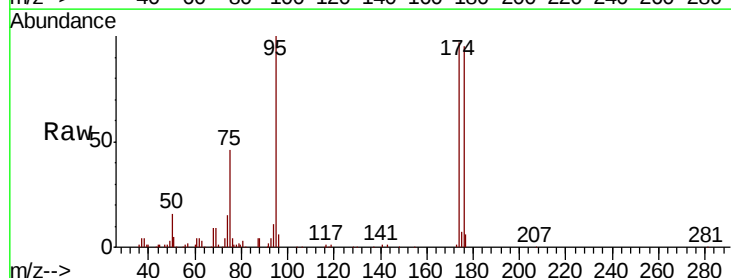
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

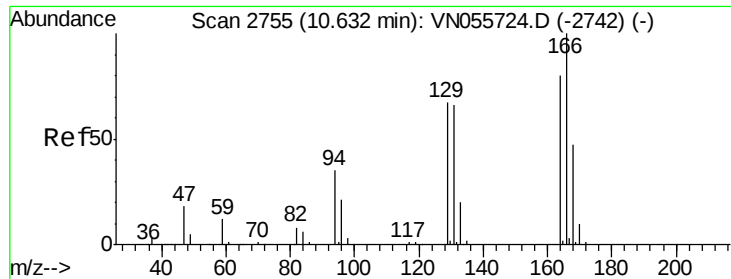
Tgt Ion: 43 Resp: 305588
Ion Ratio Lower Upper
43 100
58 57.1 44.8 67.2
57 19.8 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 29.517 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 95 Resp: 124727
Ion Ratio Lower Upper
95 100
174 95.7 75.7 113.5
176 93.6 74.1 111.1

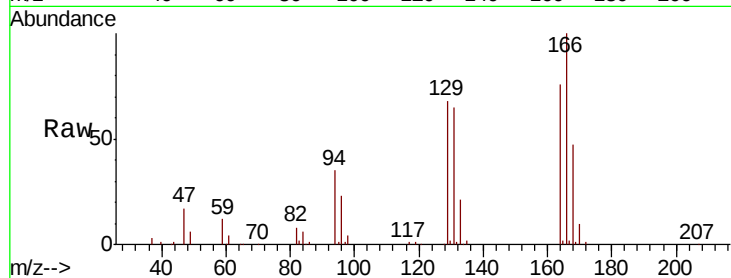




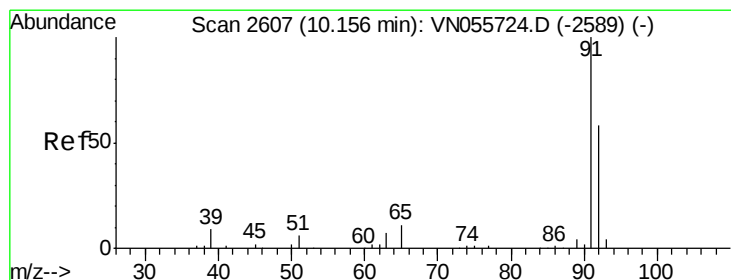
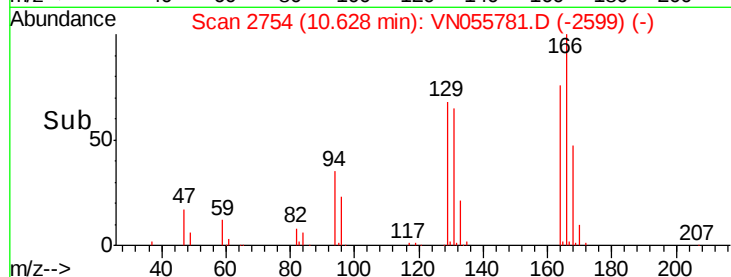
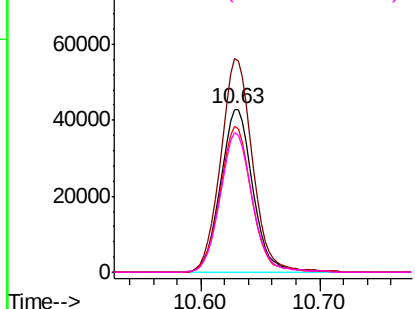
#61
Tetrachloroethene
Concen: 21.965 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:164 Resp: 80770
Ion Ratio Lower Upper
164 100
166 130.5 100.6 150.8
129 89.2 67.4 101.2
131 85.5 66.6 99.8

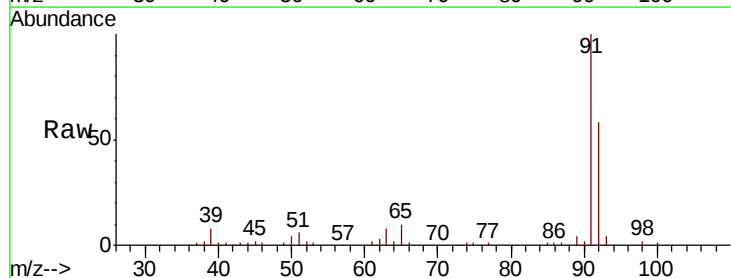


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

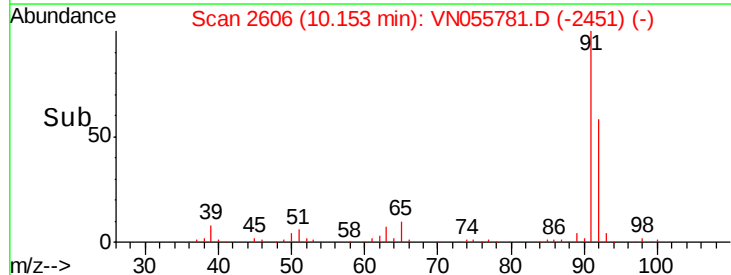
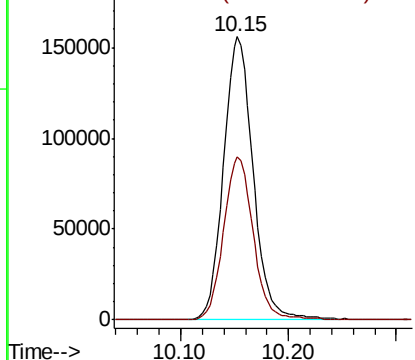


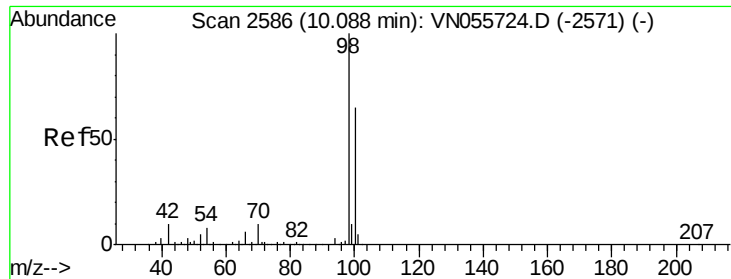
#62
Toluene
Concen: 20.423 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion: 91 Resp: 298332
Ion Ratio Lower Upper
91 100
92 57.7 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: 29.831 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

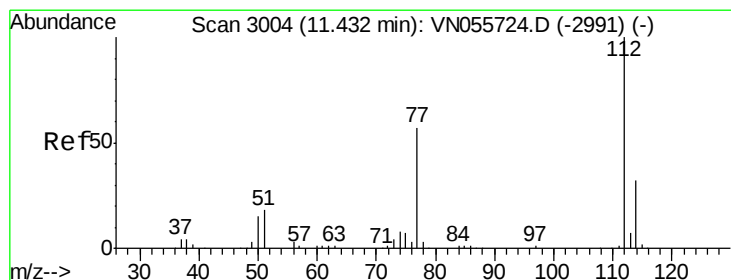
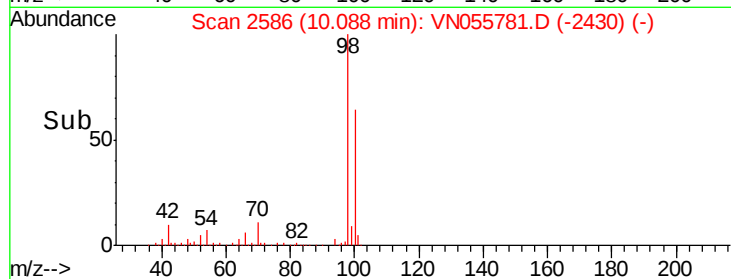
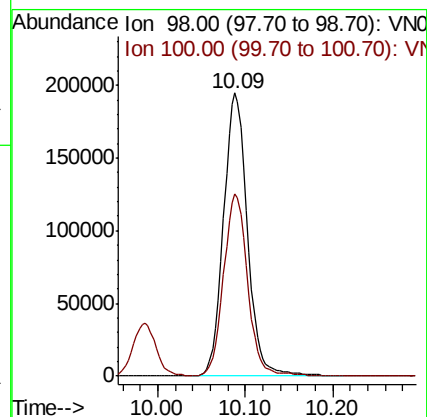
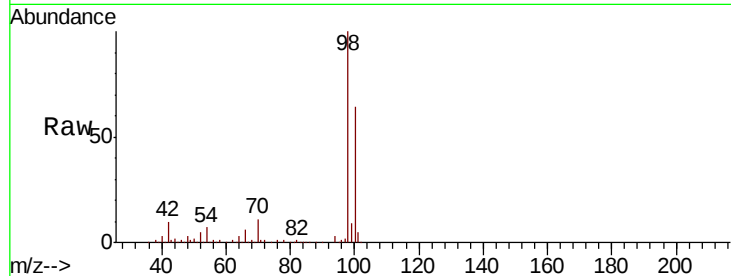
VSTDCCC020

Tgt Ion: 98 Resp: 370316

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#64

Chlorobenzene

Concen: 20.803 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055781.D

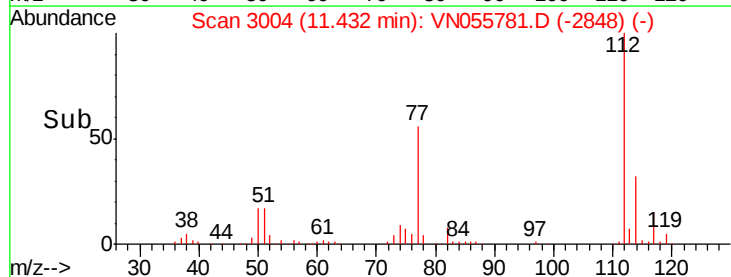
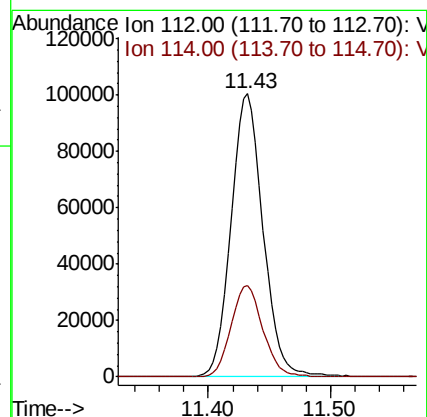
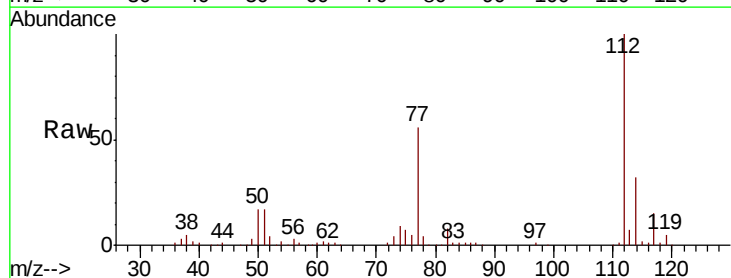
Acq: 24 May 2019 8:56

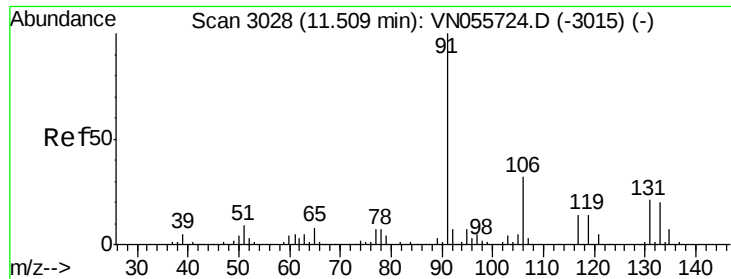
Tgt Ion: 112 Resp: 184336

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0

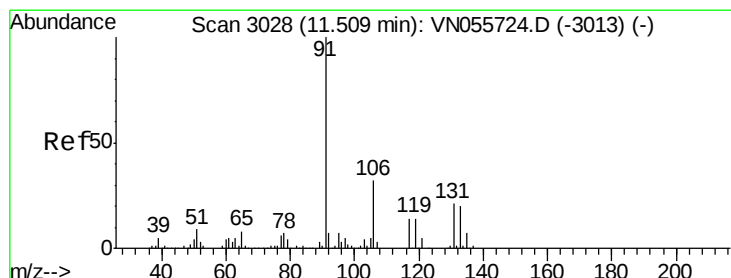
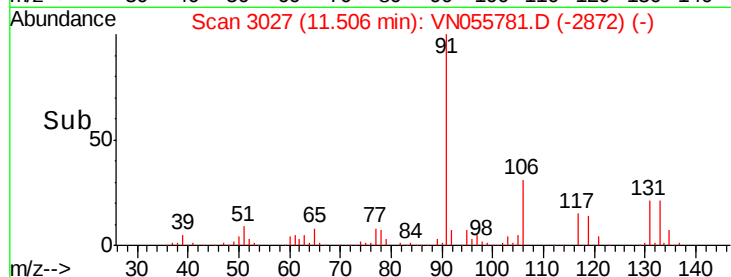
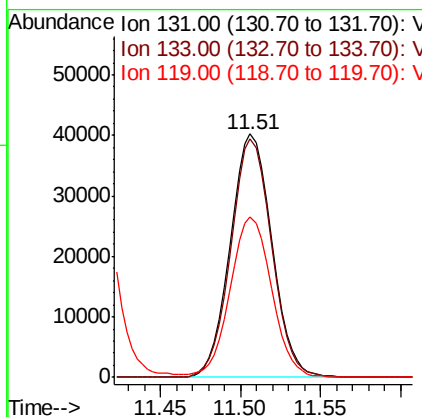
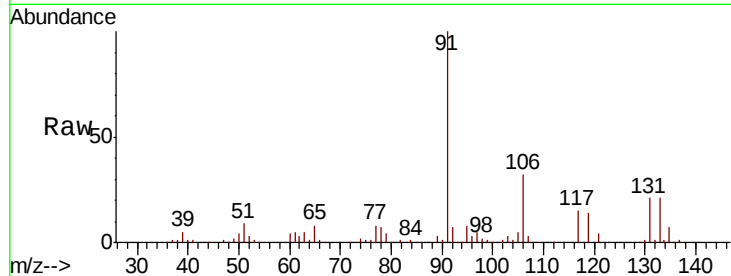




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.943 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

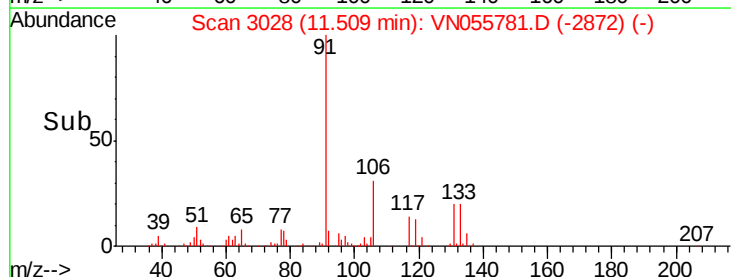
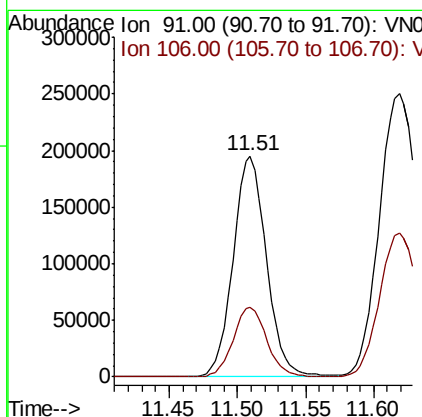
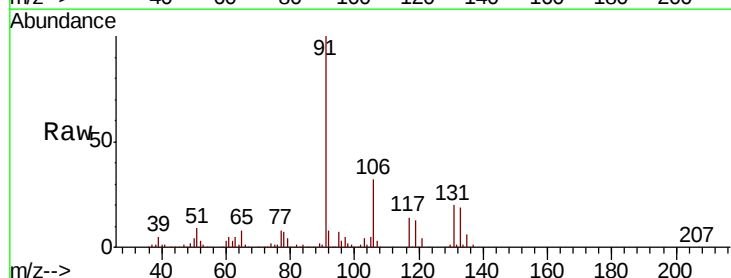
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

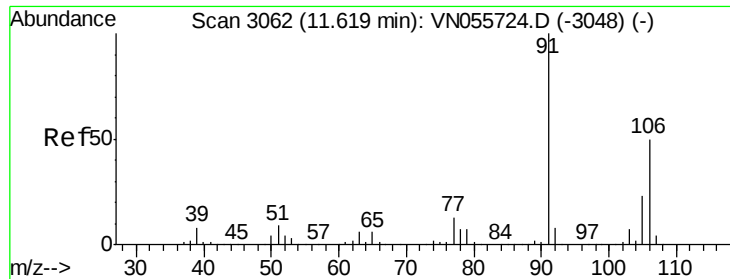
Tgt Ion: 131 Resp: 71202
 Ion Ratio Lower Upper
 131 100
 133 96.3 0.0 188.8
 119 65.6 0.0 133.6



#66
 Ethyl Benzene
 Concen: 20.713 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 91 Resp: 330586
 Ion Ratio Lower Upper
 91 100
 106 31.8 25.6 38.4

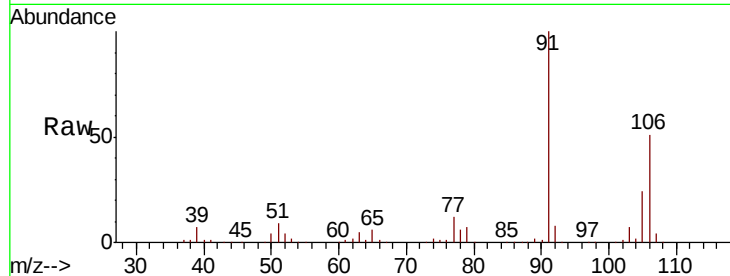




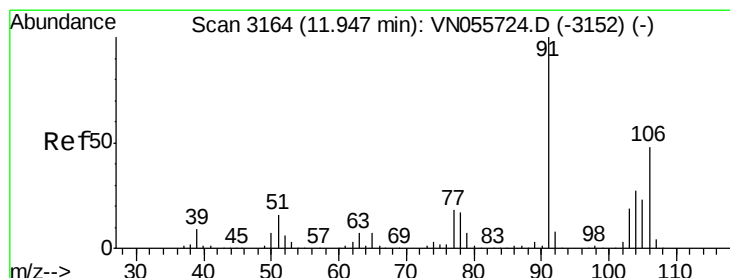
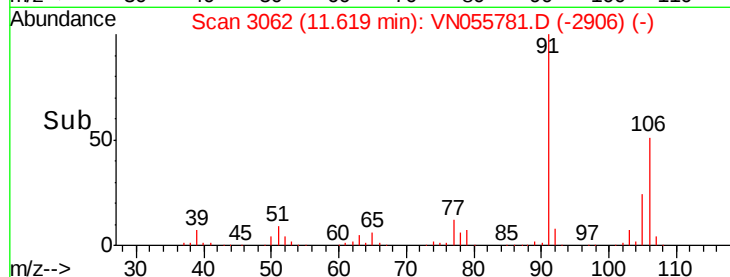
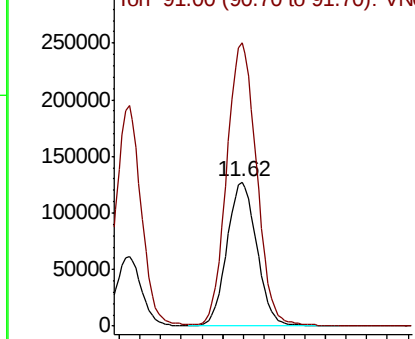
#67
m/p-Xylenes
Concen: 42.322 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion:106 Resp: 256600
Ion Ratio Lower Upper
106 100
91 197.7 159.5 239.3

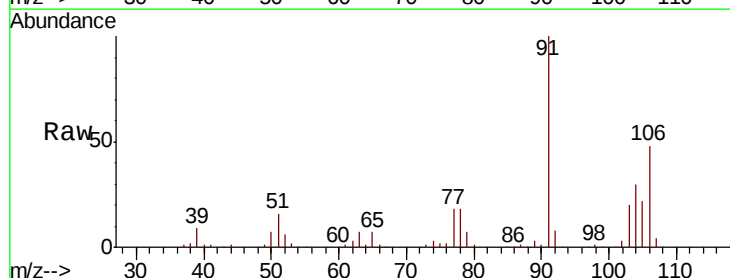


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VNO

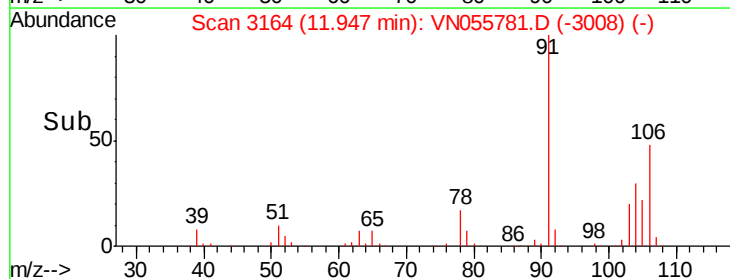
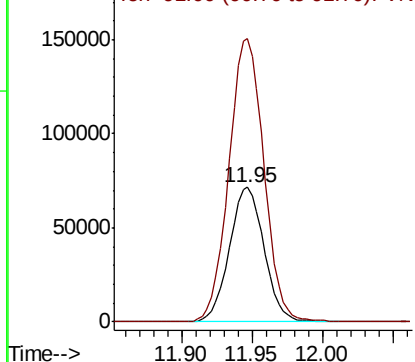


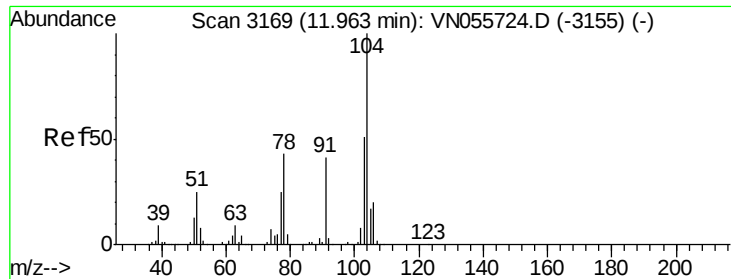
#68
o-Xylene
Concen: 20.620 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion:106 Resp: 123717
Ion Ratio Lower Upper
106 100
91 211.8 105.4 316.1



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

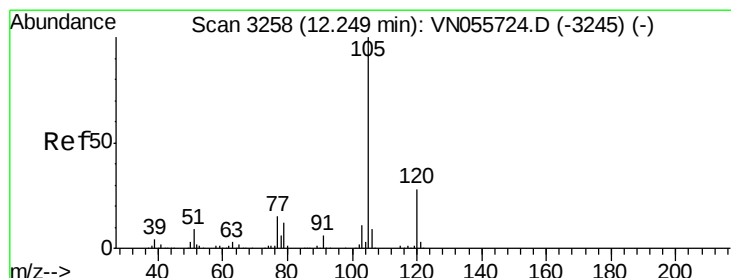
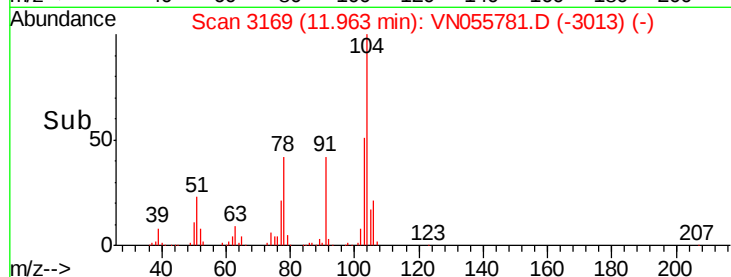
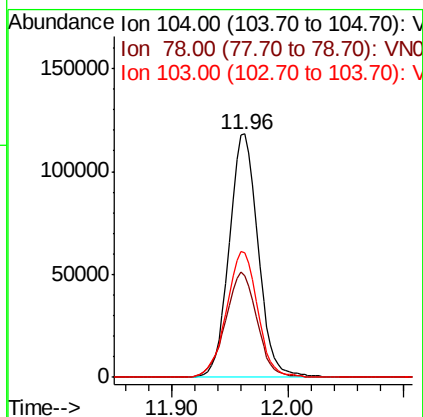
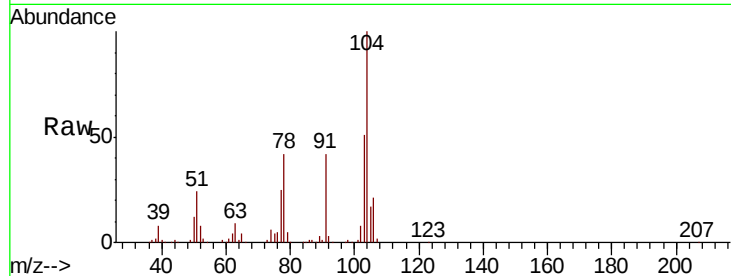




#69
Styrene
Concen: 20.516 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

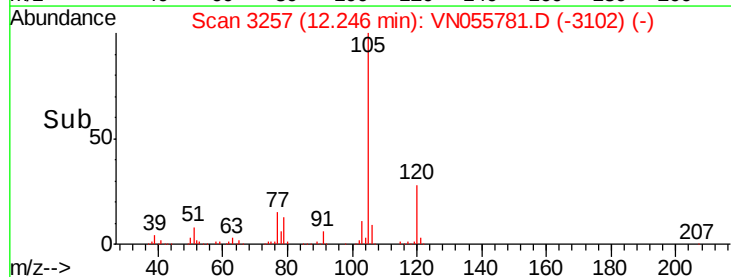
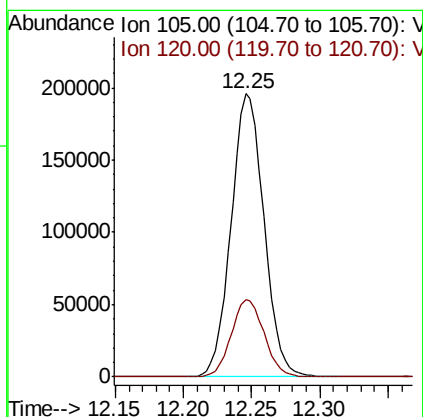
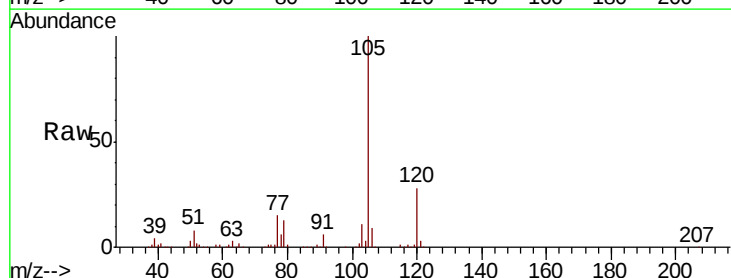
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

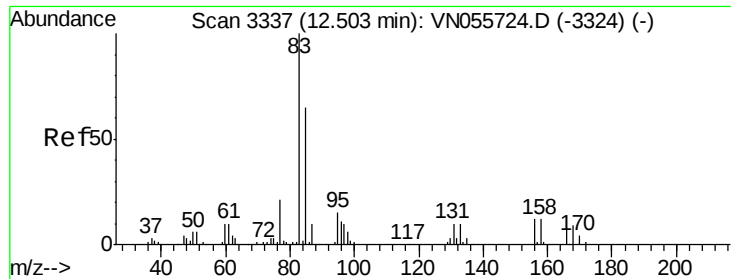
Tgt Ion:104 Resp: 203079
Ion Ratio Lower Upper
104 100
78 47.2 38.7 58.1
103 56.0 45.0 67.6



#70
Isopropylbenzene
Concen: 20.865 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion:105 Resp: 327544
Ion Ratio Lower Upper
105 100
120 27.4 19.2 35.6

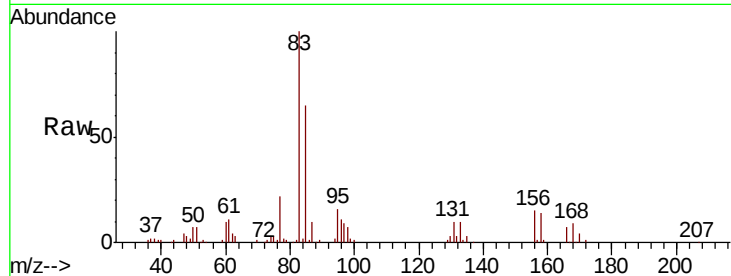




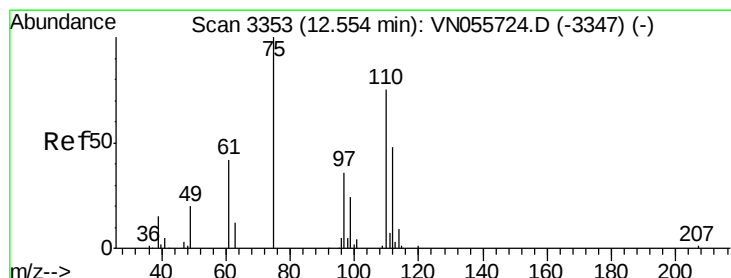
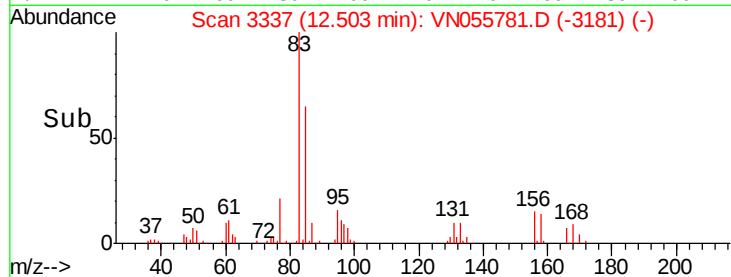
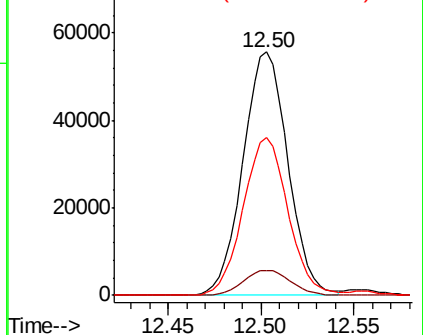
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.472 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 83 Resp: 94071
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.3 15.8
 85 64.8 32.3 96.9

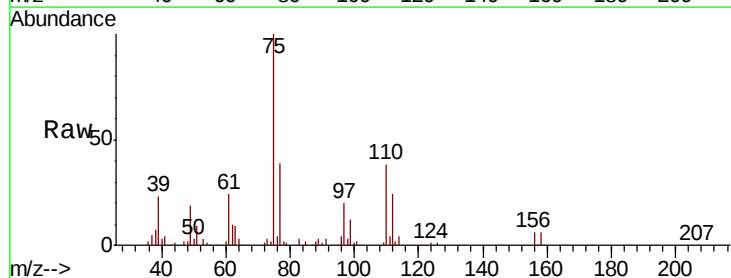


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

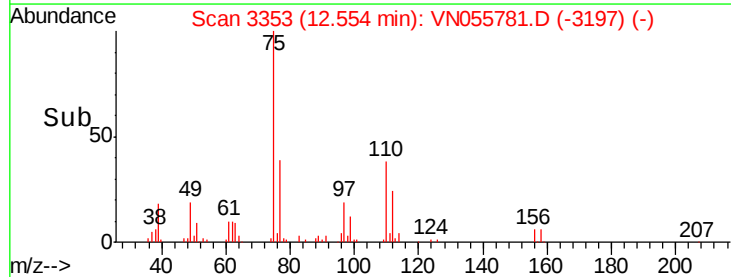
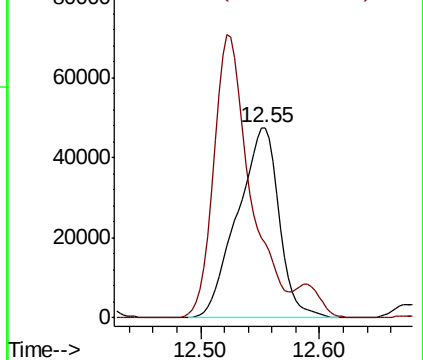


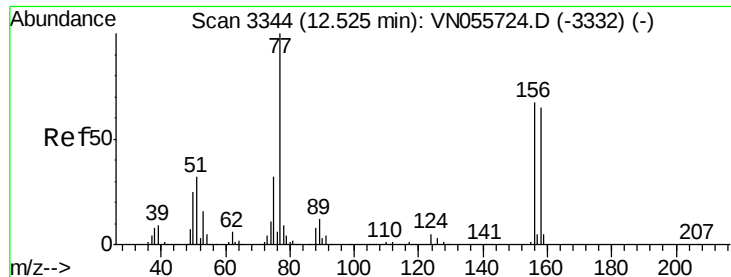
#72
 1,2,3-Trichloropropane
 Concen: 27.796 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion: 75 Resp: 115574
 Ion Ratio Lower Upper
 75 100
 77 129.3 0.0 349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.872 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

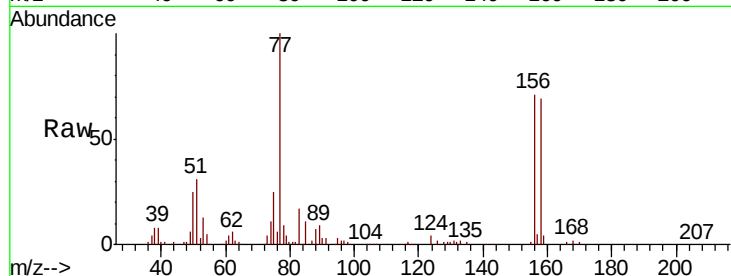
Tgt Ion:156 Resp: 86682

Ion Ratio Lower Upper

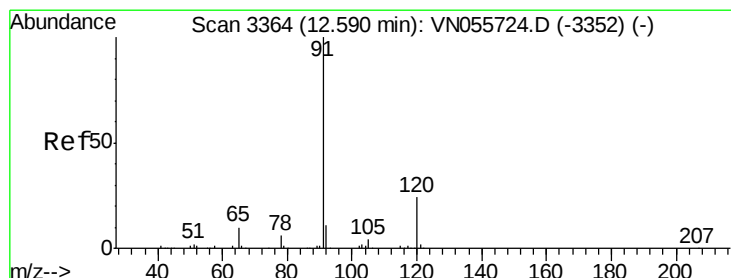
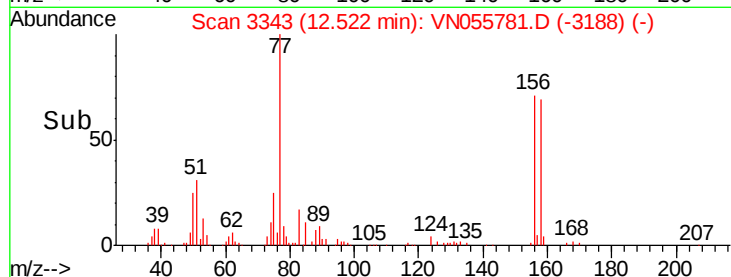
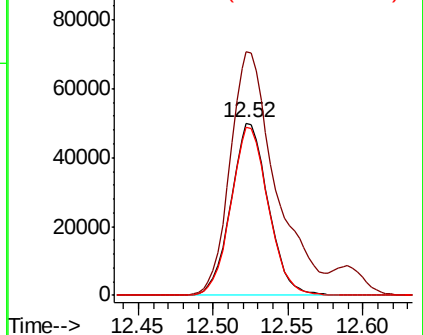
156 100

77 172.4 0.0 368.0

158 97.7 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: 20.905 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055781.D

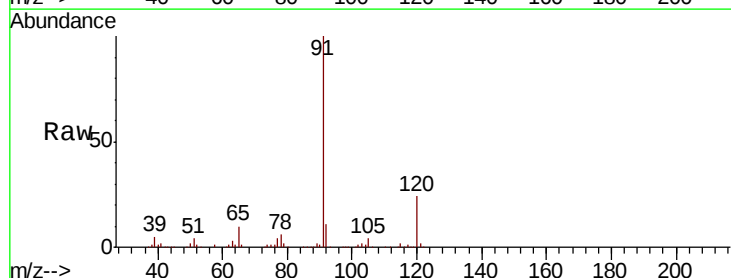
Acq: 24 May 2019 8:56

Tgt Ion: 91 Resp: 353931

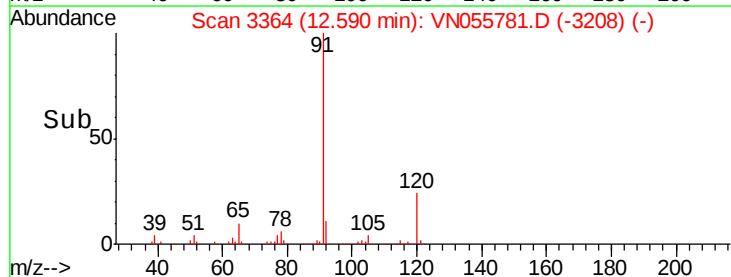
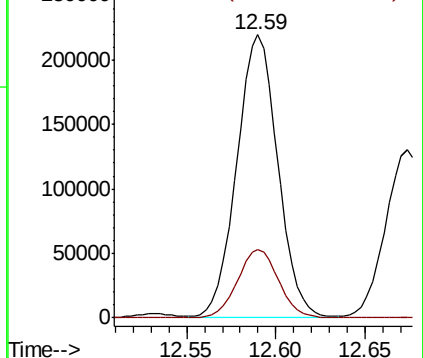
Ion Ratio Lower Upper

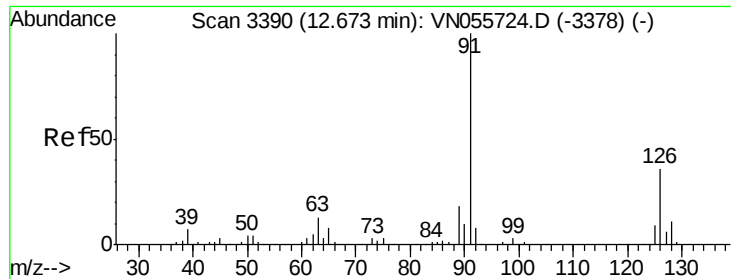
91 100

120 24.2 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: 21.046 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

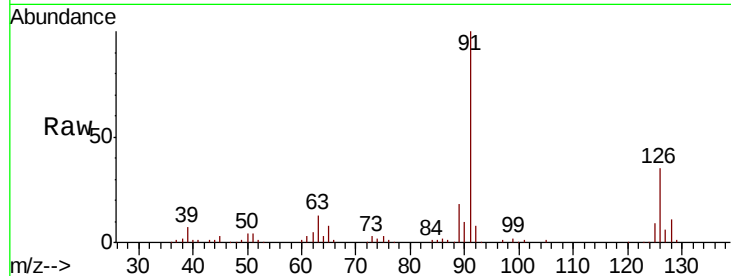
VSTDCCC020

Tgt Ion: 91 Resp: 217658

Ion Ratio Lower Upper

91 100

126 34.9 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

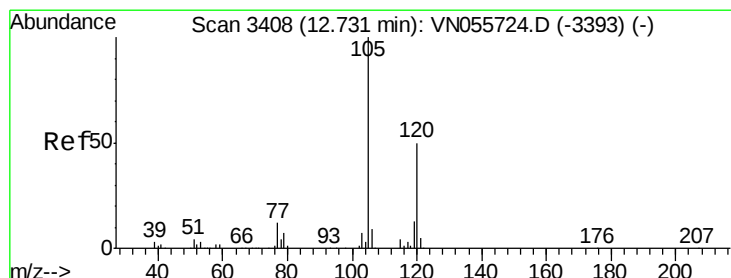
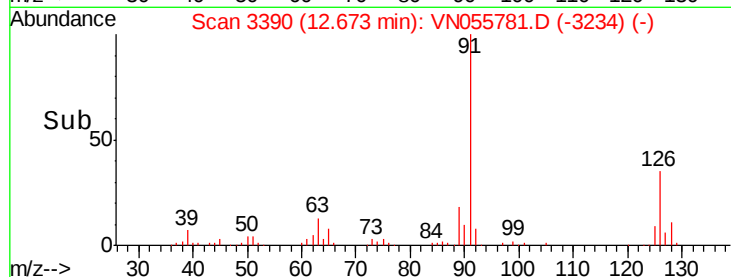
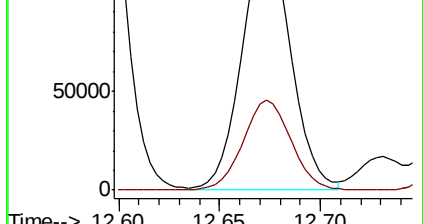
150000

100000

50000

0

12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 21.426 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055781.D

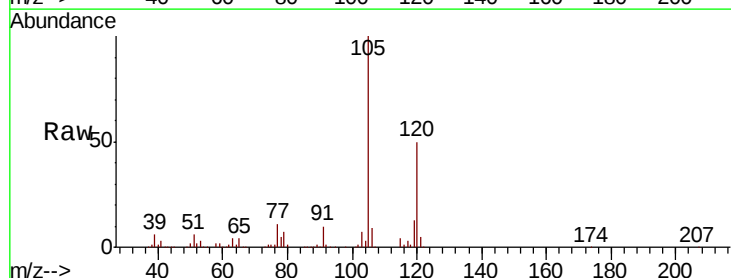
Acq: 24 May 2019 8:56

Tgt Ion: 105 Resp: 278015

Ion Ratio Lower Upper

105 100

120 50.0 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

200000

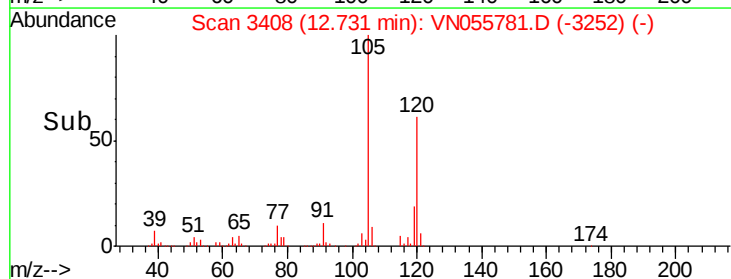
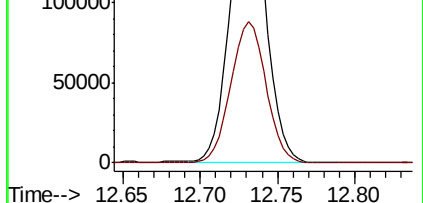
150000

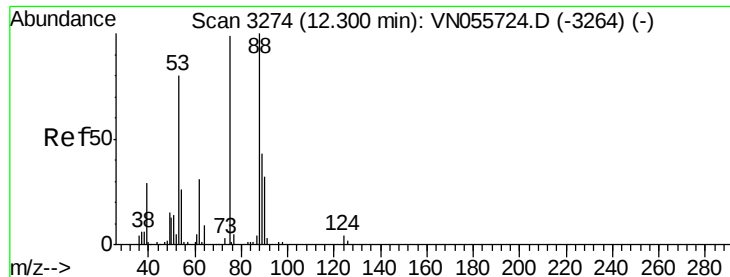
100000

50000

0

12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 17.072 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

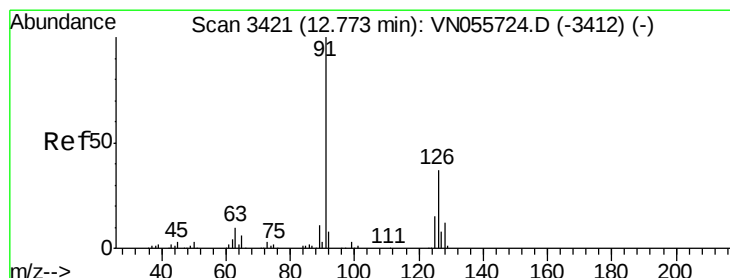
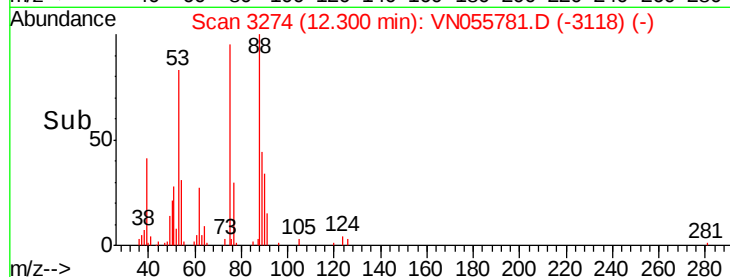
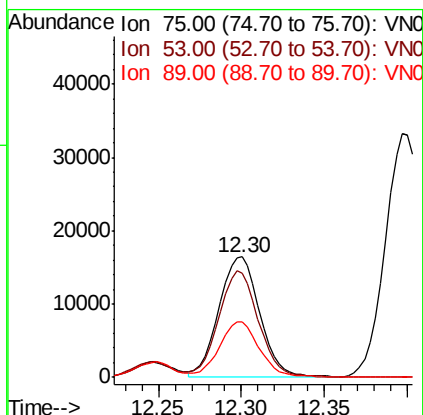
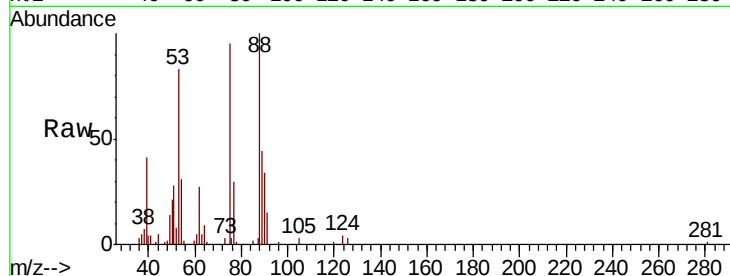
Tgt Ion: 75 Resp: 28196

Ion Ratio Lower Upper

75 100

53 87.0 40.1 120.3

89 46.2 22.6 67.8



#78

4-Chlorotoluene

Concen: 20.749 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055781.D

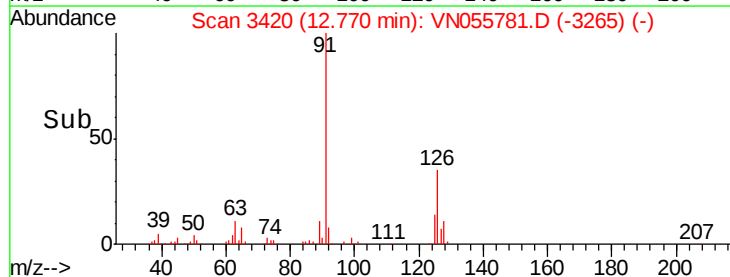
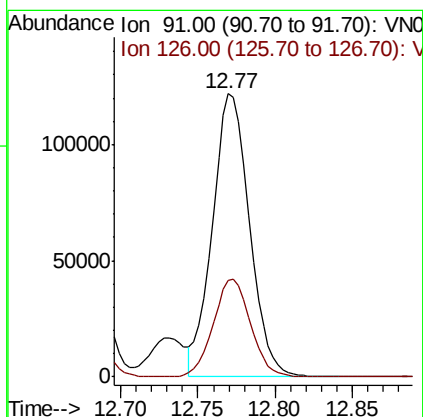
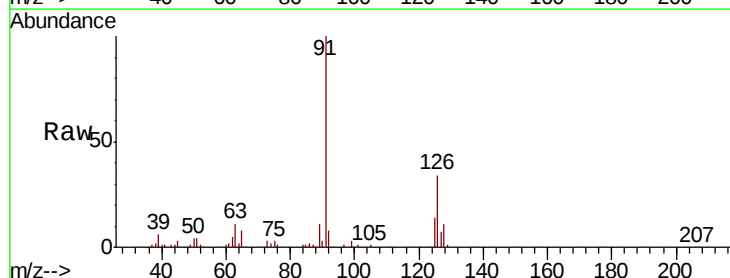
Acq: 24 May 2019 8:56

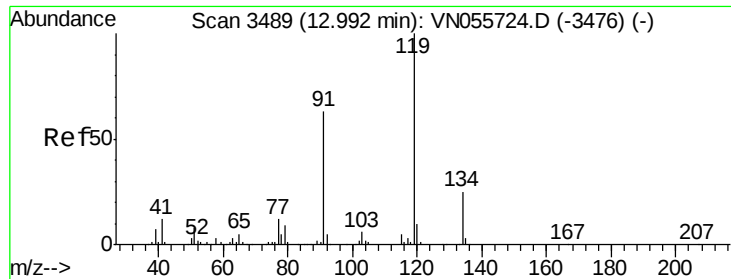
Tgt Ion: 91 Resp: 203368

Ion Ratio Lower Upper

91 100

126 34.8 0.0 69.0

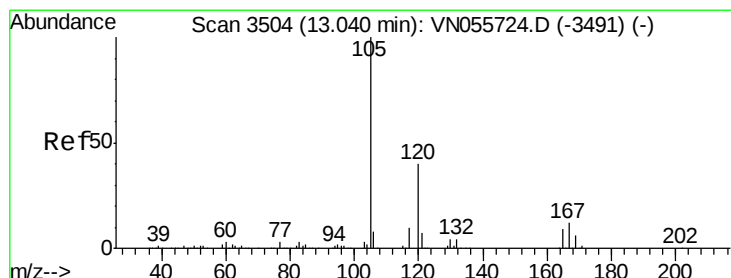
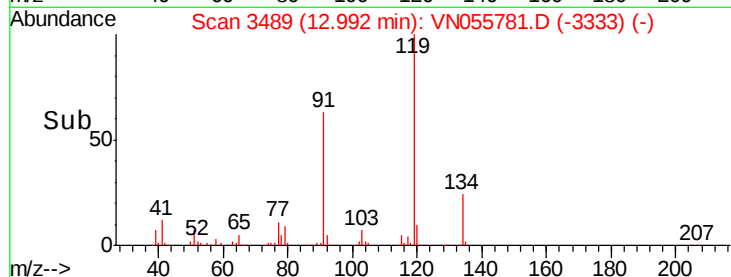
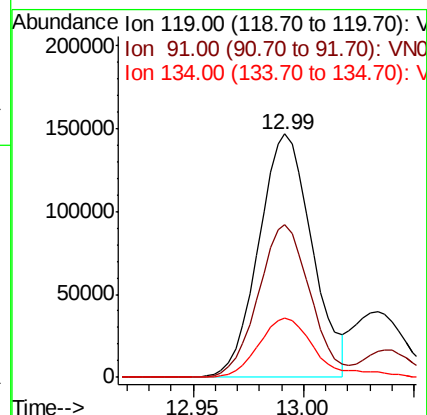
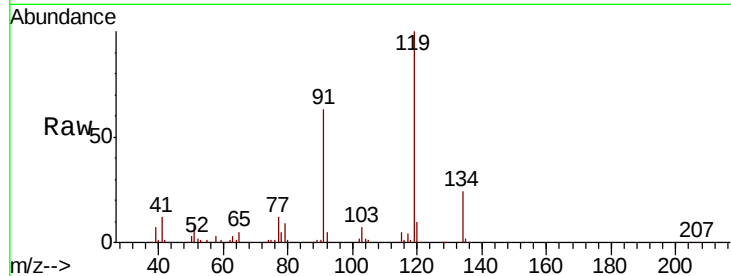




#79
tert-butylbenzene
Concen: 21.578 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

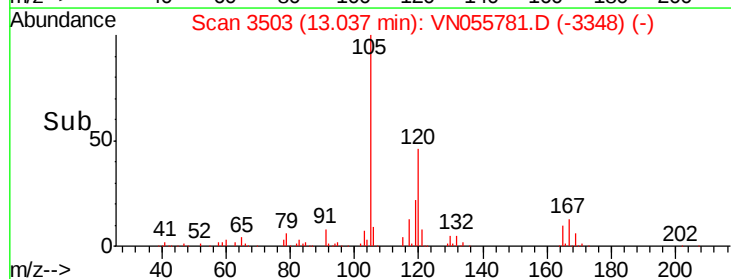
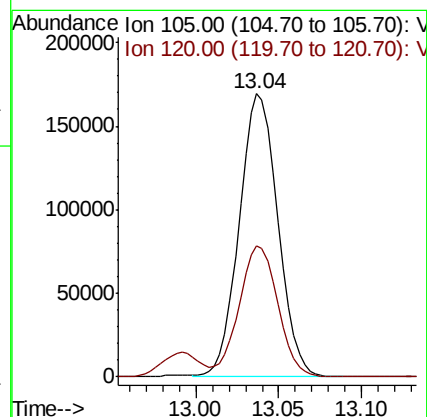
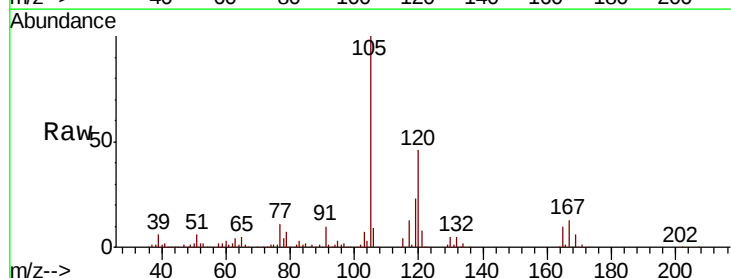
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

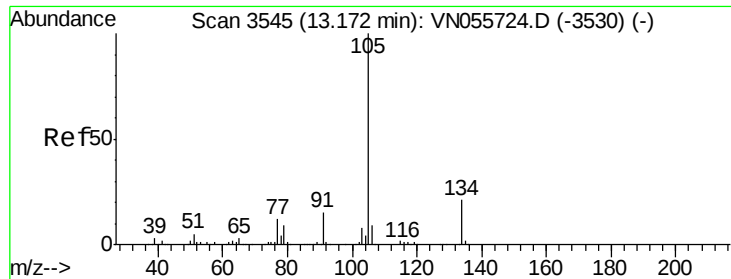
Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.2	0.0	123.8
134	26.1	0.0	52.6



#80
1,2,4-Trimethylbenzene
Concen: 21.236 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055781.D
Acq: 24 May 2019 8:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	0.0	93.6





#81

sec-Butylbenzene

Concen: 21.510 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

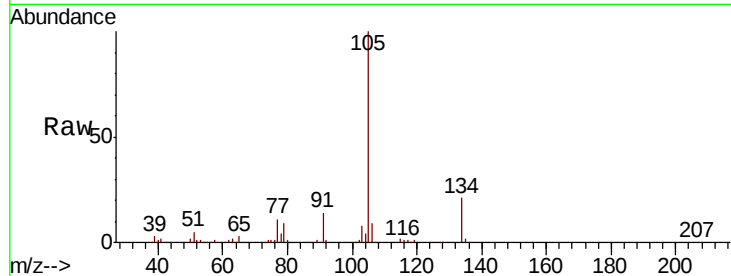
VSTDCCC020

Tgt Ion:105 Resp: 311763

Ion Ratio Lower Upper

105 100

134 20.9 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

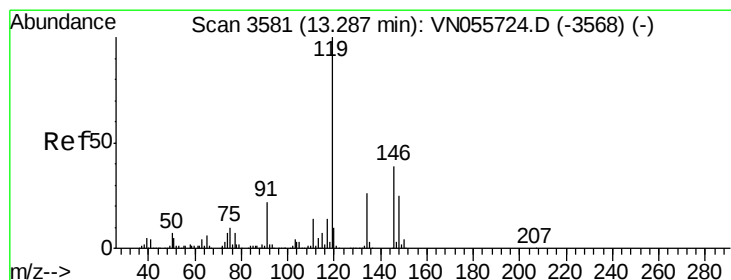
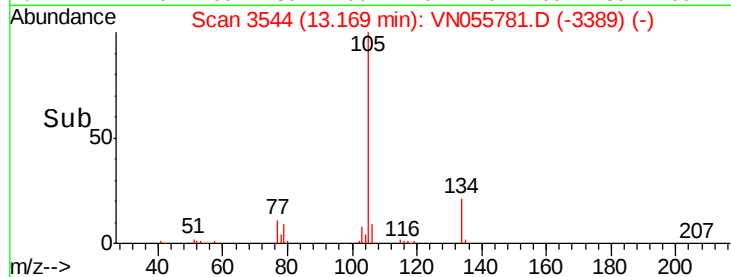
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 21.465 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

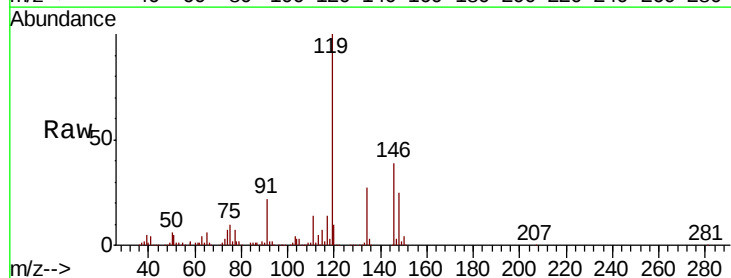
Tgt Ion:119 Resp: 286317

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.0

91 21.7 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

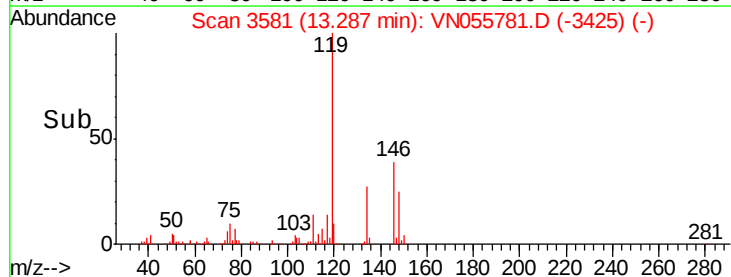
150000

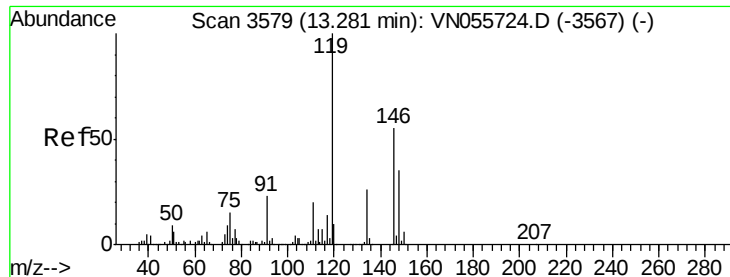
100000

50000

0

Time-->

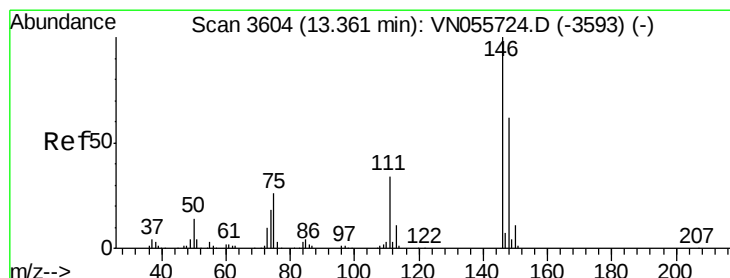
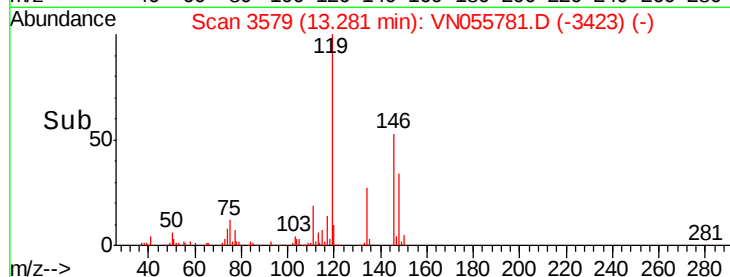
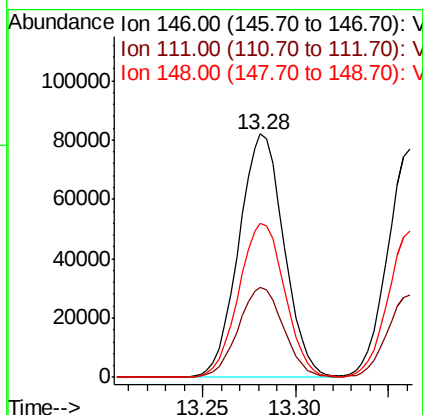
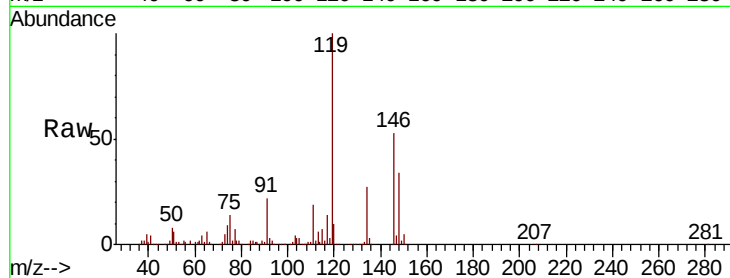




#83
 1,3-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

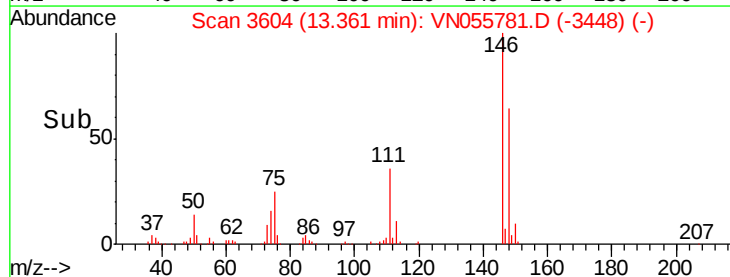
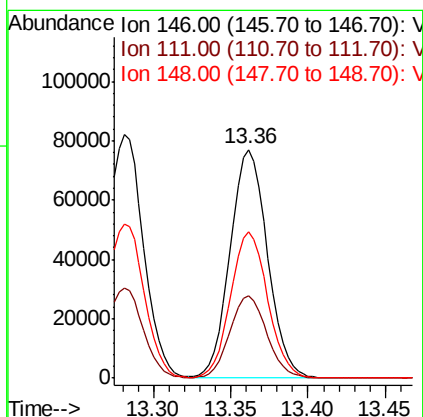
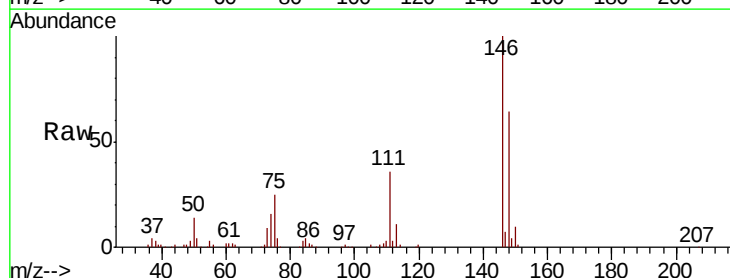
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

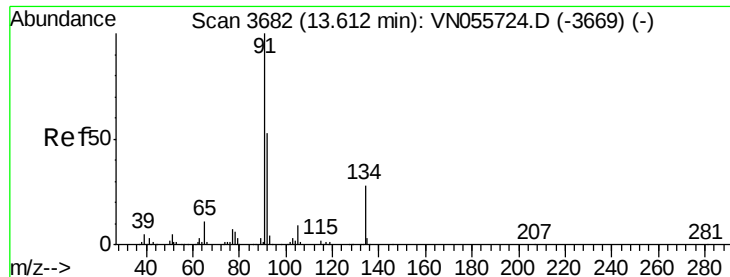
Tgt Ion:146 Resp: 138912
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.6
 148 64.4 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 20.848 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion:146 Resp: 129258
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.5 52.6
 148 63.4 31.8 95.4





#85

n-Butylbenzene

Concen: 20.793 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

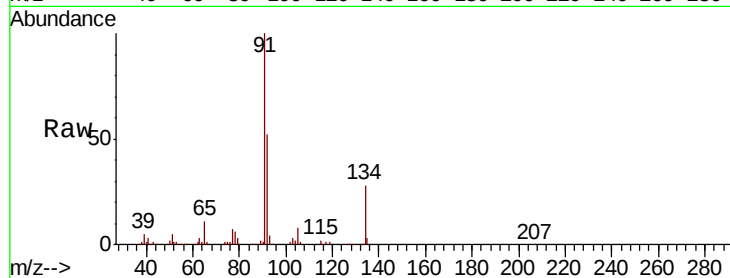
Tgt Ion: 91 Resp: 215774

Ion Ratio Lower Upper

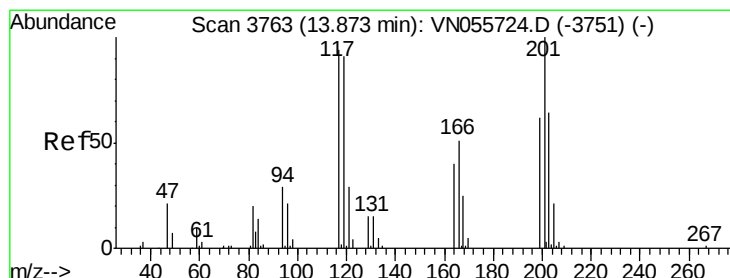
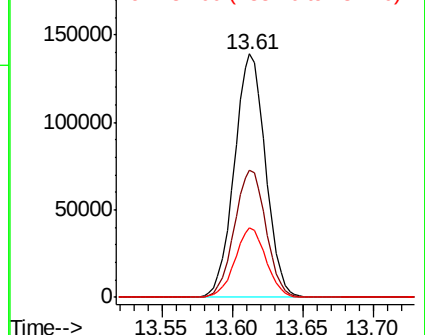
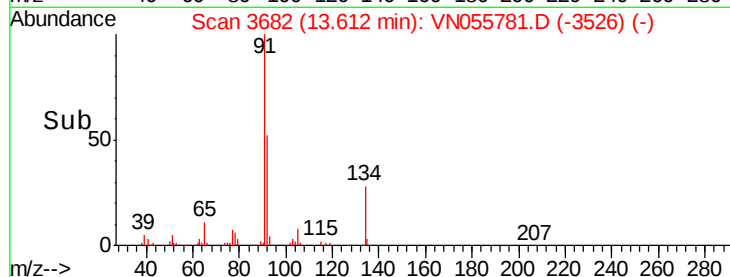
91 100

92 52.9 0.0 106.8

134 28.2 0.0 55.2



Abundance Ion 91.00 (90.70 to 91.70): VN055781.D (-3526) (-)



#86

Hexachloroethane

Concen: 19.471 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055781.D

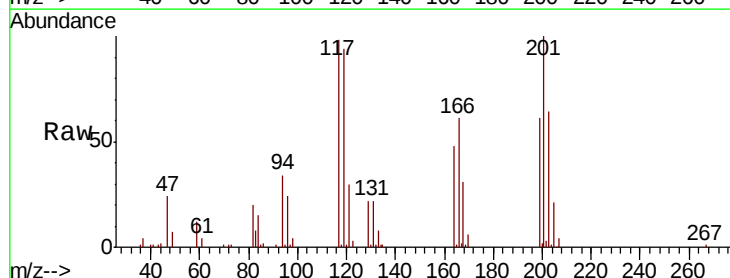
Acq: 24 May 2019 8:56

Tgt Ion: 117 Resp: 51084

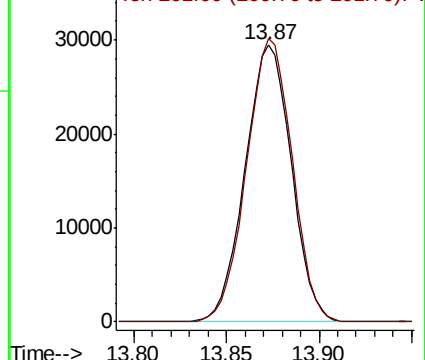
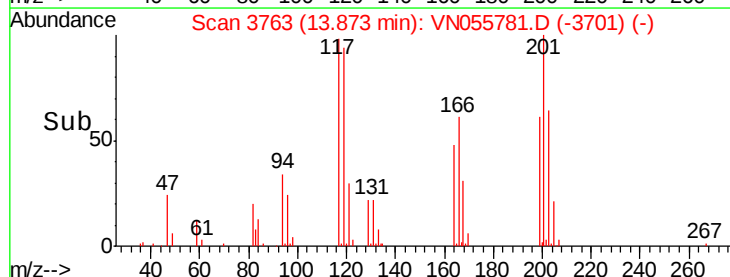
Ion Ratio Lower Upper

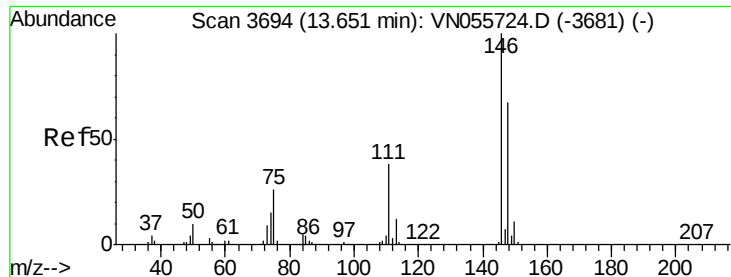
117 100

201 100.8 52.5 157.6



Abundance Ion 117.00 (116.70 to 117.70): VN055781.D (-3701) (-)





#87

1,2-Dichlorobenzene

Concen: 21.138 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

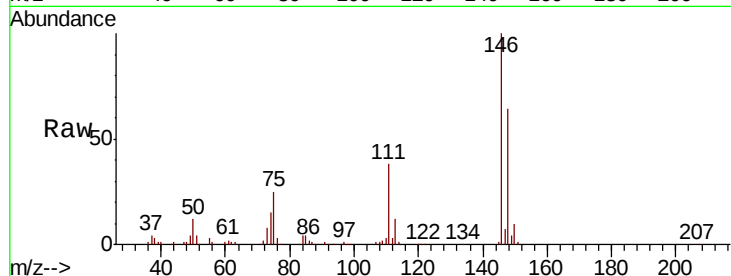
Tgt Ion:146 Resp: 138571

Ion Ratio Lower Upper

146 100

111 37.5 19.2 57.6

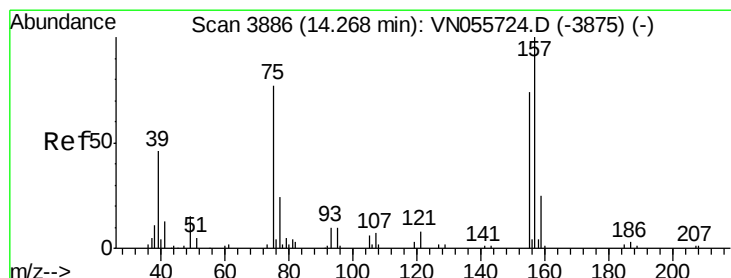
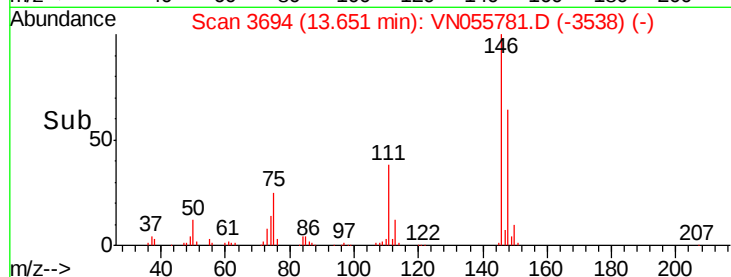
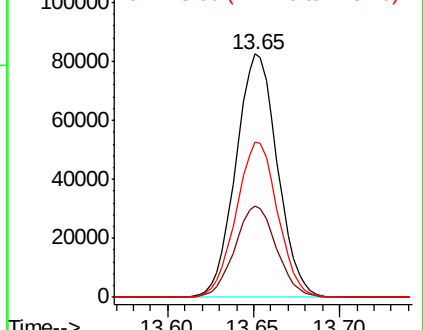
148 63.8 32.7 98.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.856 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

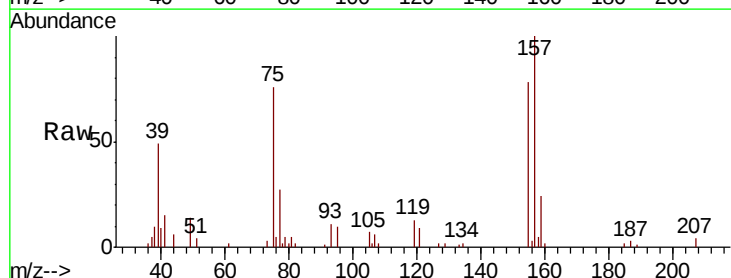
Tgt Ion: 75 Resp: 16350

Ion Ratio Lower Upper

75 100

155 103.6 78.4 117.6

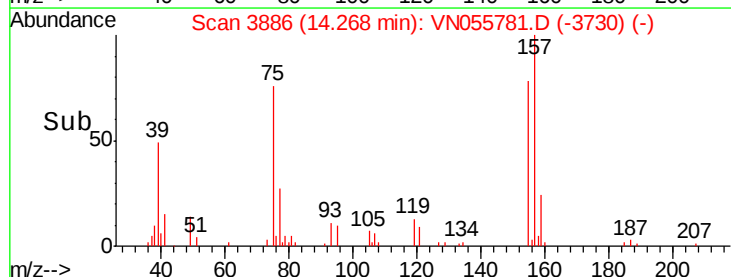
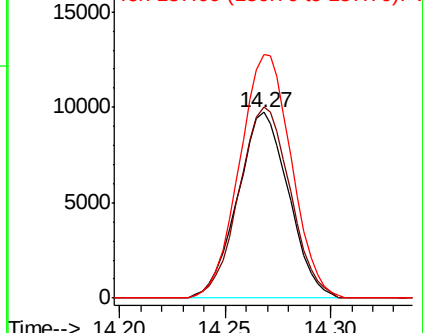
157 133.6 105.0 157.4

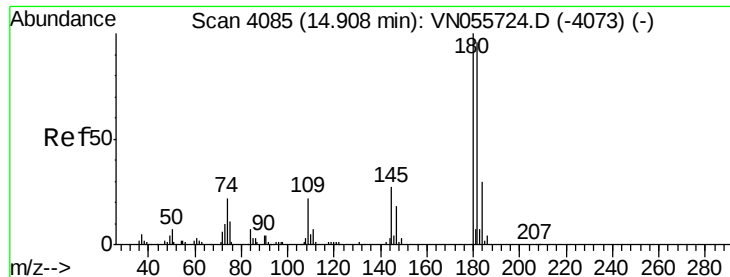


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

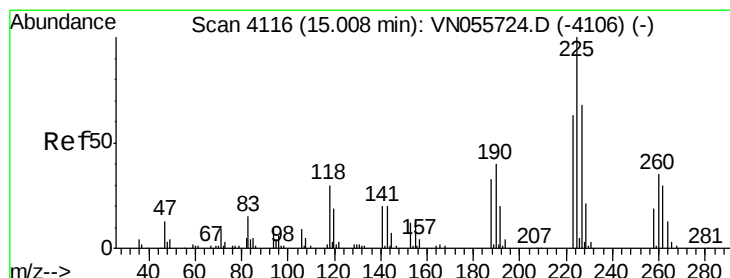
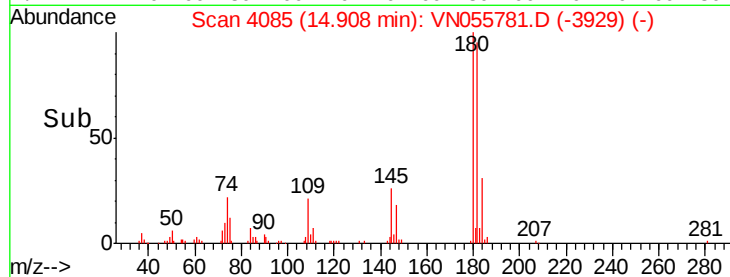
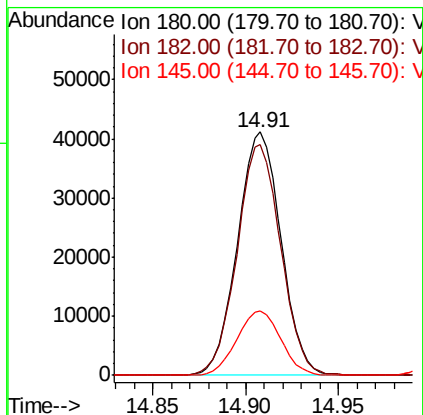
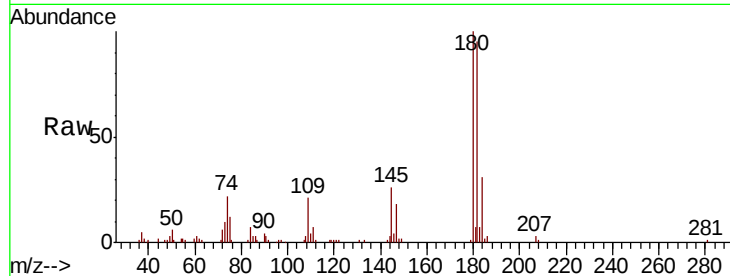




#89
 1,2,4-Trichlorobenzene
 Concen: 19.018 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

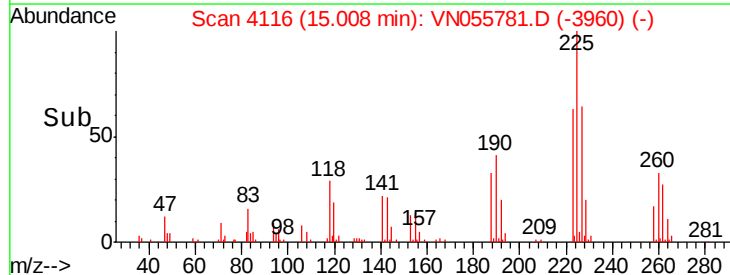
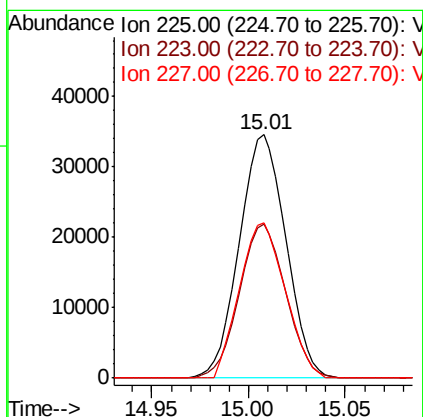
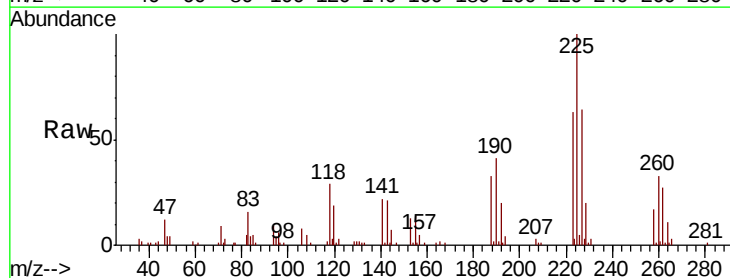
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

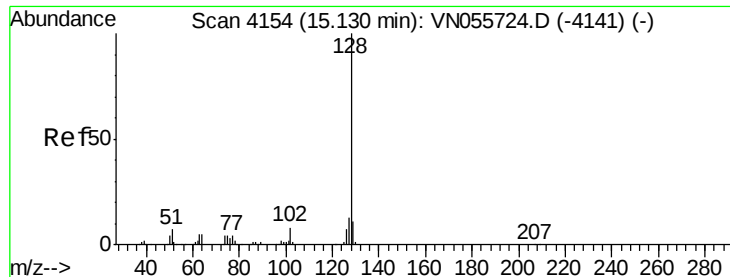
Tgt Ion:180 Resp: 67295
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.1 114.1
 145 26.5 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 21.979 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055781.D
 Acq: 24 May 2019 8:56

Tgt Ion:225 Resp: 58030
 Ion Ratio Lower Upper
 225 100
 223 62.6 0.0 126.0
 227 62.6 0.0 133.0





#91

Naphthalene

Concen: 18.583 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

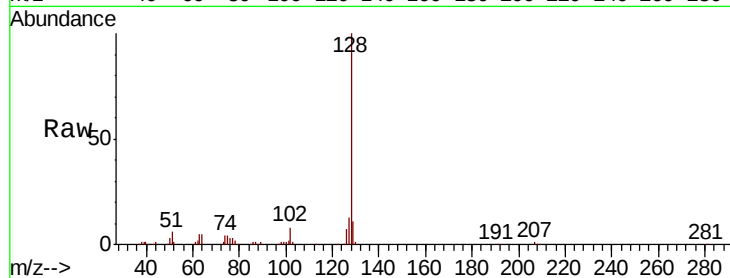
Tgt Ion:128 Resp: 179668

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

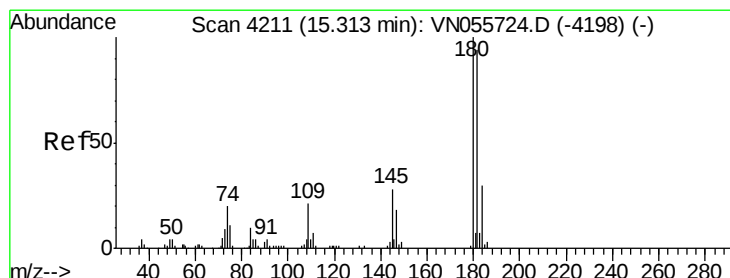
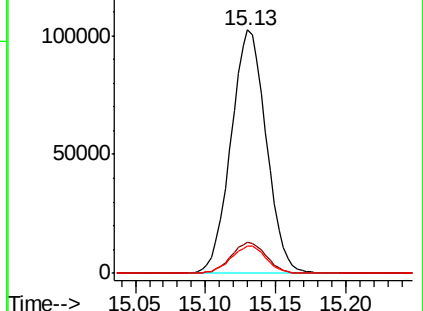
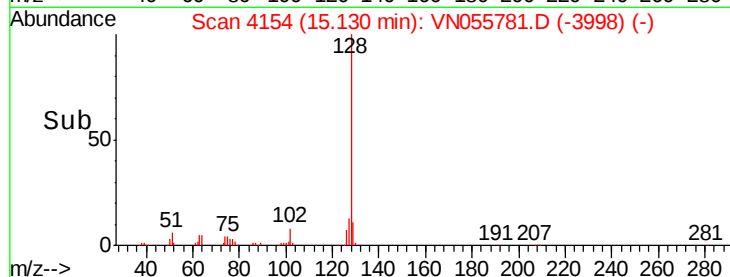
129 11.1 8.7 13.1



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: 19.478 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055781.D

Acq: 24 May 2019 8:56

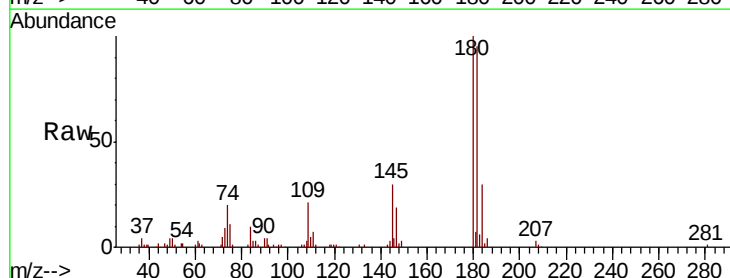
Tgt Ion:180 Resp: 72035

Ion Ratio Lower Upper

180 100

182 94.1 0.0 188.6

145 29.3 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

