

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055420.D
 Acq On : 6 May 2019 17:04
 Operator : JC/SP
 Sample : VN0506MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Quant Time: May 07 01:10:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	374873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	241939	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	7.59	113	188703	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	10.09	98	672591	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	213120	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86106	18.747	ug/l	100
3) Chloromethane	2.06	50	93763	16.486	ug/l	97
4) Vinyl Chloride	2.19	62	83176	18.143	ug/l	99
5) Bromomethane	2.56	94	47016	19.361	ug/l	96
6) Chloroethane	2.71	64	46687	18.799	ug/l	99
7) Trichlorofluoromethane	3.02	101	125536	19.257	ug/l	99
8) Diethyl Ether	3.41	74	48590	21.305	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75281	19.393	ug/l	100
10) Methyl Iodide	3.96	142	98698	18.066	ug/l	99
11) Tert butyl alcohol	4.79	59	32602	116.113	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	70352	18.998	ug/l	99
13) Acrolein	3.61	56	14040	64.028	ug/l	97
14) Allyl chloride	4.33	41	152532	19.888	ug/l	99
15) Acrylonitrile	4.99	53	171430	108.622	ug/l	99
16) Acetone	3.82	43	135052	88.380	ug/l	98
17) Carbon Disulfide	4.06	76	153920	15.927	ug/l	99
18) Methyl Acetate	4.33	43	89803	23.577	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	229301	22.026	ug/l	100
20) Methylene Chloride	4.56	84	85825	18.401	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	72645	18.523	ug/l	98
22) Diisopropyl ether	5.96	45	326951	21.455	ug/l	95
23) Vinyl Acetate	5.90	43	1061315	106.266	ug/l	99
24) 1,1-Dichloroethane	5.85	63	164034	20.203	ug/l	99
25) 2-Butanone	6.84	43	205574	105.195	ug/l	99
26) 2,2-Dichloropropane	6.83	77	100146	17.862	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	90052	20.191	ug/l	99
28) Bromochloromethane	7.20	49	81107	19.818	ug/l	98
29) Tetrahydrofuran	7.22	42	146349	116.954	ug/l	97
30) Chloroform	7.37	83	156054	20.275	ug/l	100
31) Cyclohexane	7.65	56	148421	19.240	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	123885	19.832	ug/l	100
36) 1,1-Dichloropropene	7.80	75	109044	18.226	ug/l	98
37) Ethyl Acetate	6.93	43	90870	19.817	ug/l	99
38) Carbon Tetrachloride	7.77	117	103725	17.973	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120663	18.969	ug/l	98
40) Benzene	8.04	78	332986	18.880	ug/l	98
41) Methacrylonitrile	7.18	41	47429	19.569	ug/l	93
42) 1,2-Dichloroethane	8.13	62	119441	19.121	ug/l	99
43) Isopropyl Acetate	8.17	43	158966	21.572	ug/l #	88
44) Trichloroethene	8.84	130	84237	18.735	ug/l	99
45) 1,2-Dichloropropane	9.12	63	99076	19.477	ug/l	99
46) Dibromomethane	9.21	93	52095	18.736	ug/l	95
47) Bromodichloromethane	9.40	83	115767	19.408	ug/l	96
48) Methyl methacrylate	9.20	41	70940	19.583	ug/l	96
49) 1,4-Dioxane	9.21	88	15991	427.020	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	438158	105.610	ug/l	100
52) Toluene	10.16	92	193096	19.081	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96097	18.558	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	123030	19.056	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76096	20.250	ug/l	99
56) Ethyl methacrylate	10.43	69	92424	19.982	ug/l	96
57) 1,3-Dichloropropane	10.71	76	135053	20.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	100509	78.950	ug/l	99
59) 2-Hexanone	10.75	43	277139	106.762	ug/l	97
60) Dibromochloromethane	10.90	129	76837	20.006	ug/l	99
61) 1,2-Dibromoethane	11.01	107	67462	19.423	ug/l	98
64) Tetrachloroethene	10.63	164	83344	19.951	ug/l	98
65) Chlorobenzene	11.43	112	192475	19.272	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75691	19.355	ug/l	99
67) Ethyl Benzene	11.51	91	355809	19.729	ug/l	100
68) m/p-Xylenes	11.62	106	259415	40.297	ug/l	96
69) o-Xylene	11.95	106	130337	20.427	ug/l	96
70) Styrene	11.96	104	202803	20.701	ug/l	99
71) Bromoform	12.13	173	44826	20.657	ug/l #	98
73) Isopropylbenzene	12.25	105	348404	20.301	ug/l	100
74) N-amyl acetate	12.07	43	98477	19.436	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	90217	21.234	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	104743	27.406	ug/l #	100
77) Bromobenzene	12.53	156	79766	19.850	ug/l	98
78) n-propylbenzene	12.59	91	373673	18.426	ug/l	99
79) 2-Chlorotoluene	12.67	91	237325	20.616	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	290359	18.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18725	17.974	ug/l	89
82) 4-Chlorotoluene	12.77	91	218074	18.495	ug/l	98
83) tert-Butylbenzene	12.99	119	254369	21.564	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	267094	19.296	ug/l	100
85) sec-Butylbenzene	13.17	105	319531	18.994	ug/l	100
86) p-Isopropyltoluene	13.29	119	268583	19.425	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	124018	18.773	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118678	19.076	ug/l	98
89) n-Butylbenzene	13.61	91	190795	19.419	ug/l	98
90) Hexachloroethane	13.87	117	45849	19.997	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	127151	19.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12421	23.915	ug/l	90

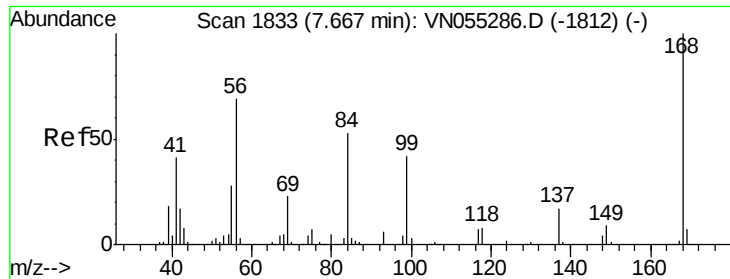
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40628	18.008	ug/l	95
94) Hexachlorobutadiene	15.01	225	46333	21.946	ug/l	97
95) Naphthalene	15.13	128	79657	16.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43060	18.666	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

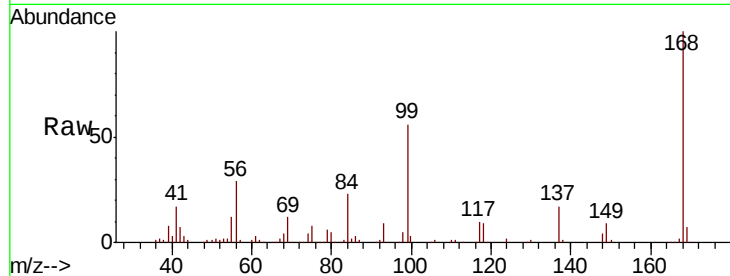
VN0506MBSD01

Tot Ion:168 Resp: 374873

Ion Ratio Lower Upper

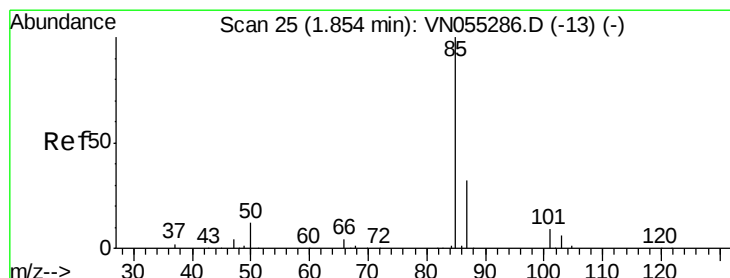
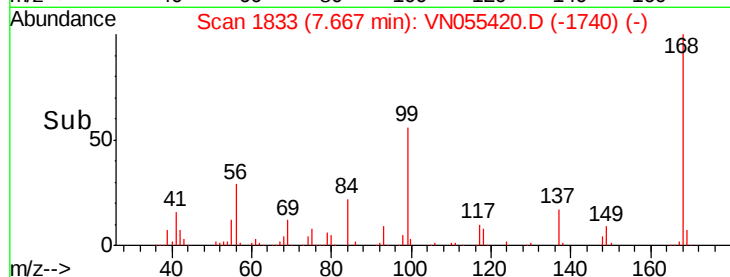
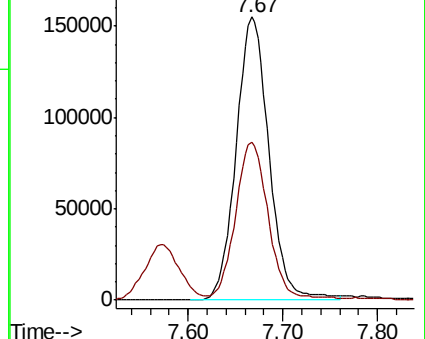
168 100

99 55.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.747 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055420.D

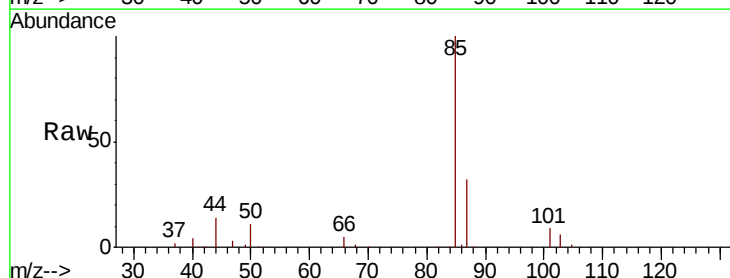
Acq: 6 May 2019 17:04

Tgt Ion: 85 Resp: 86106

Ion Ratio Lower Upper

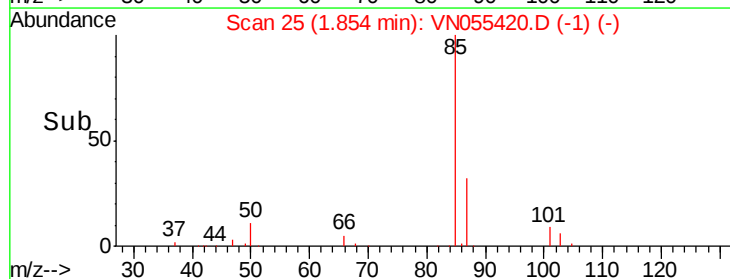
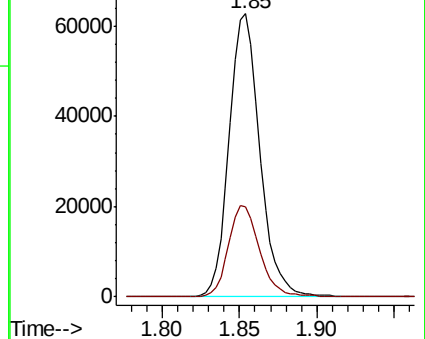
85 100

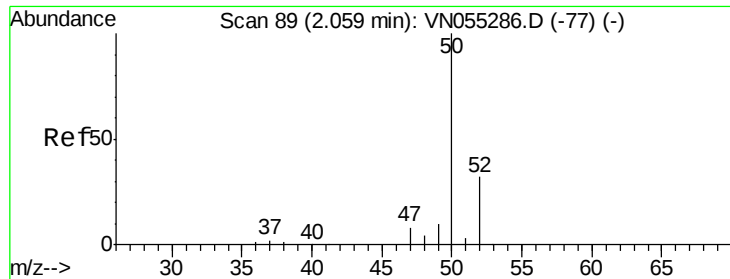
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.486 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

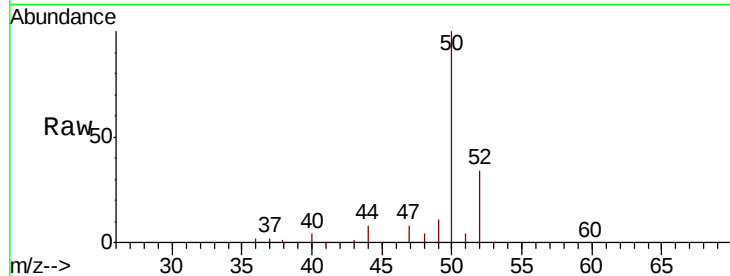
VN0506MBSD01

Tot Ion: 50 Resp: 93763

Ion Ratio Lower Upper

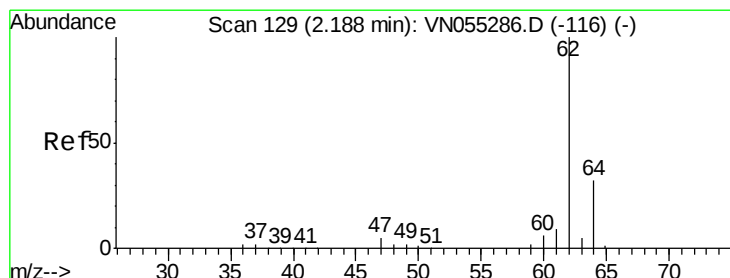
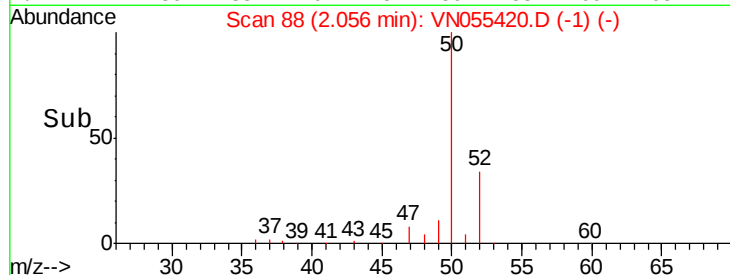
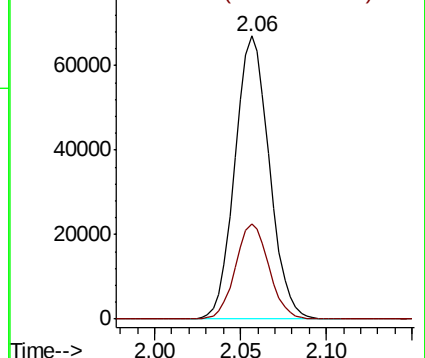
50 100

52 33.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.143 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055420.D

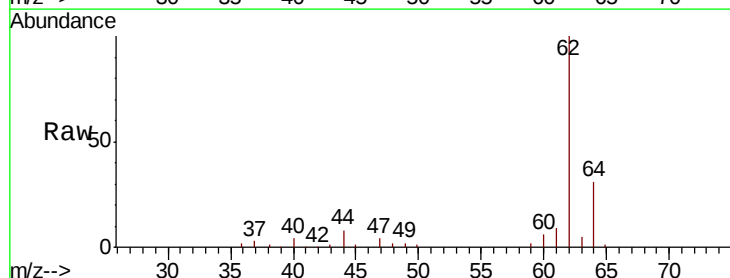
Acq: 6 May 2019 17:04

Tgt Ion: 62 Resp: 83176

Ion Ratio Lower Upper

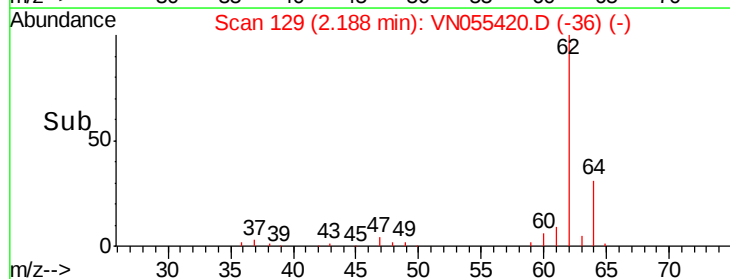
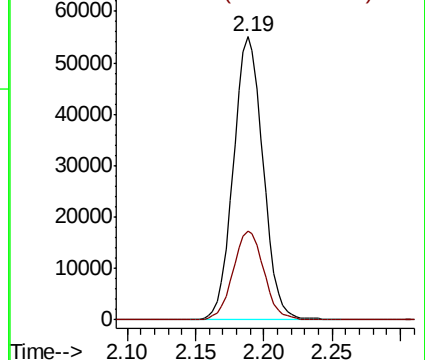
62 100

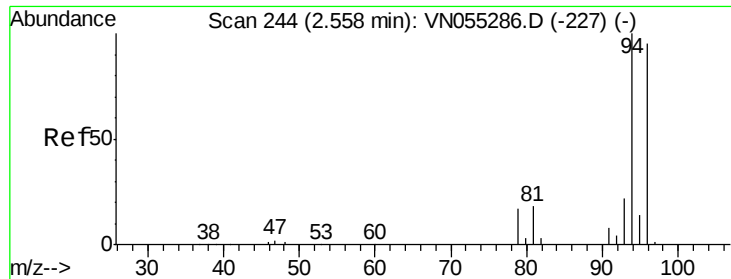
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

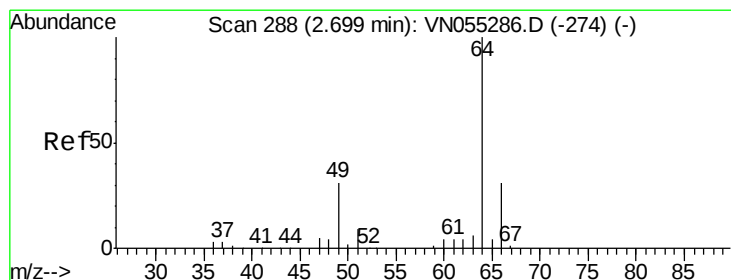
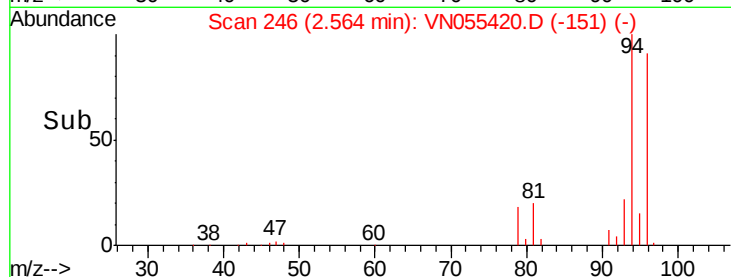
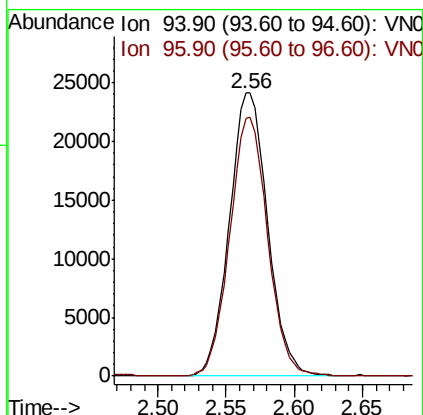
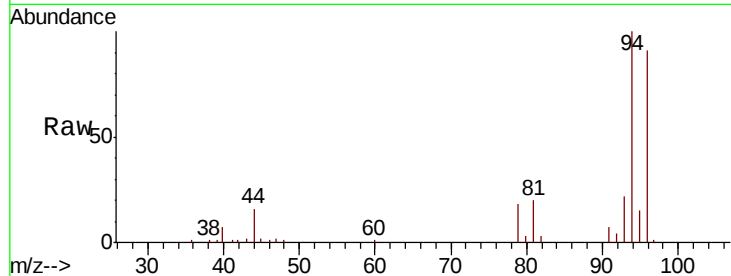




#5
Bromomethane
Concen: 19.361 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

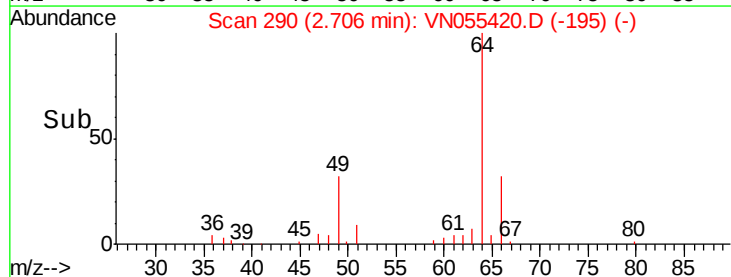
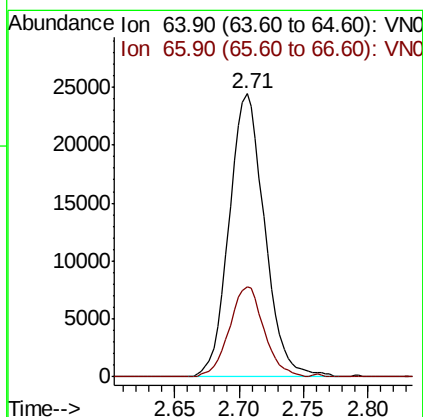
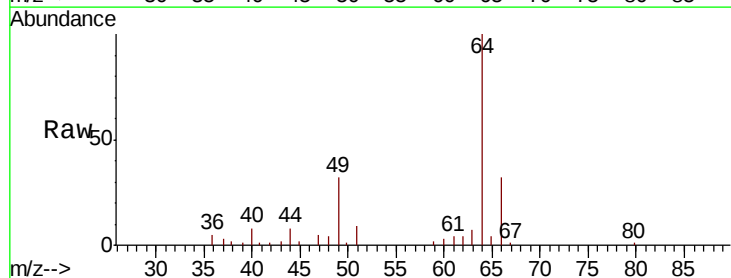
Instrument :
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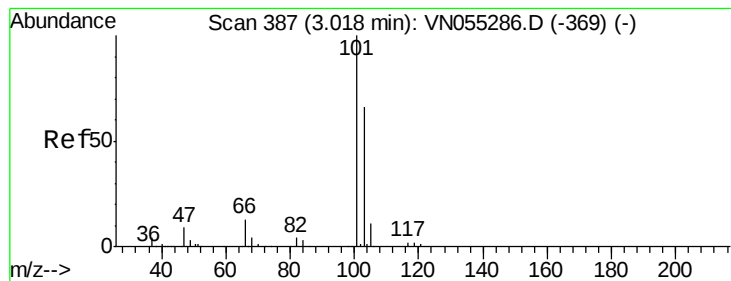
Tot Ion: 94 Resp: 47016
Ion Ratio Lower Upper
94 100
96 91.2 76.0 114.0



#6
Chloroethane
Concen: 18.799 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 64 Resp: 46687
Ion Ratio Lower Upper
64 100
66 31.7 25.0 37.4



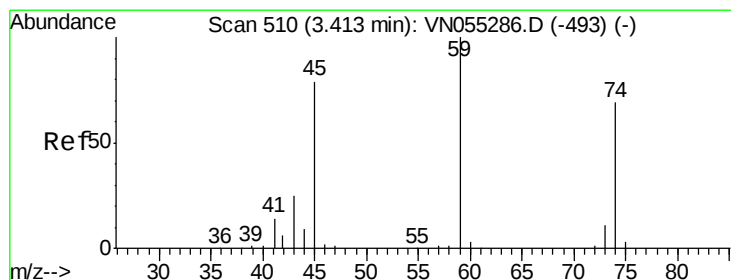
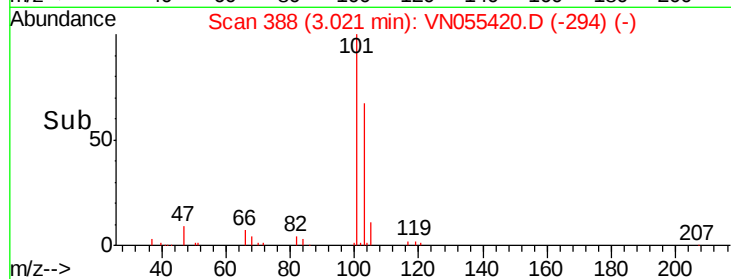
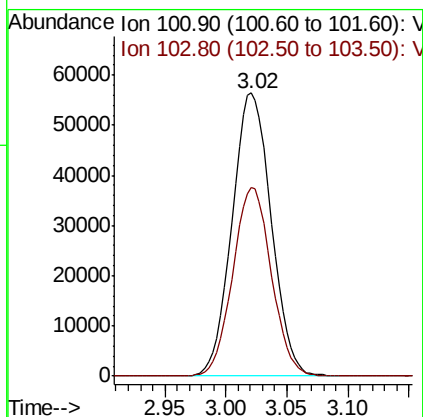
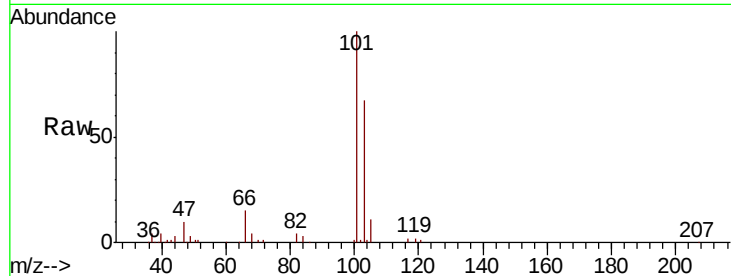


#7

Trichlorofluoromethane
 Concen: 19.257 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

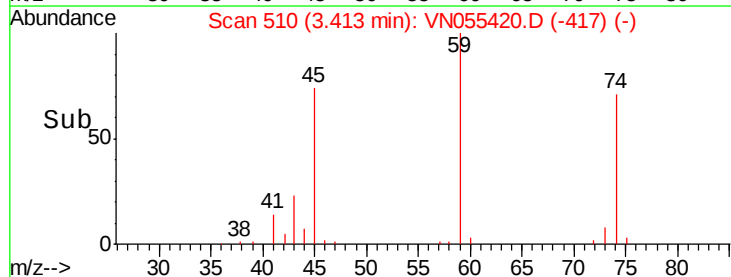
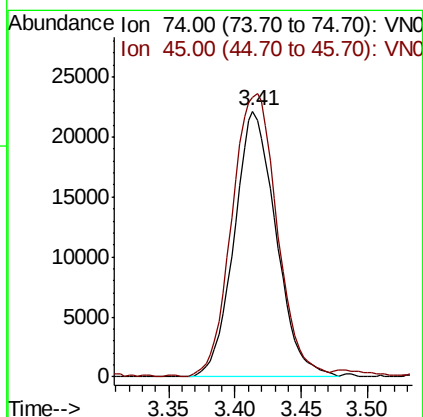
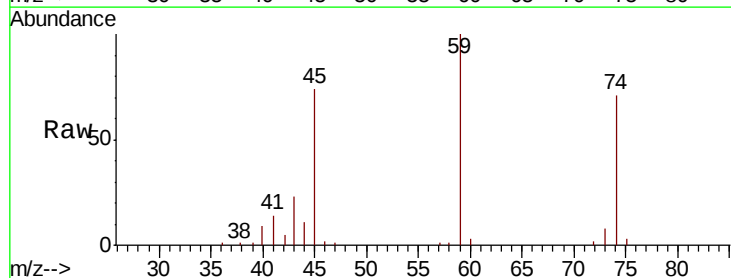
Tot Ion:101 Resp: 125536
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.6 79.0

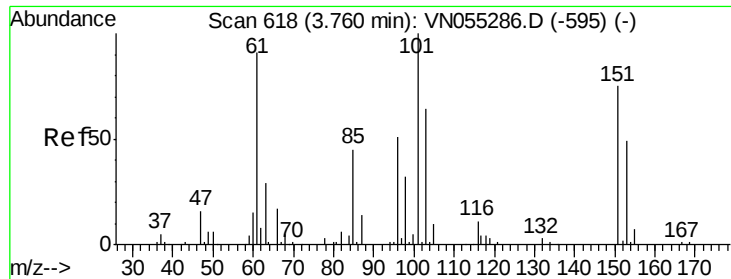


#8

Diethyl Ether
 Concen: 21.305 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 74 Resp: 48590
 Ion Ratio Lower Upper
 74 100
 45 115.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.393 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

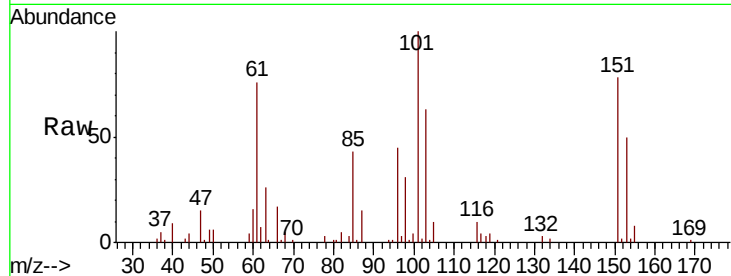
Tot Ion:101 Resp: 75281

Ion Ratio Lower Upper

101 100

85 45.2 35.7 53.5

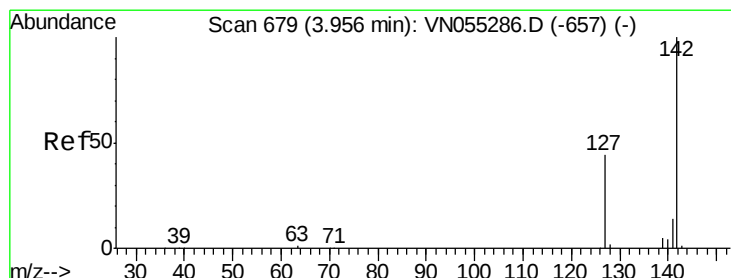
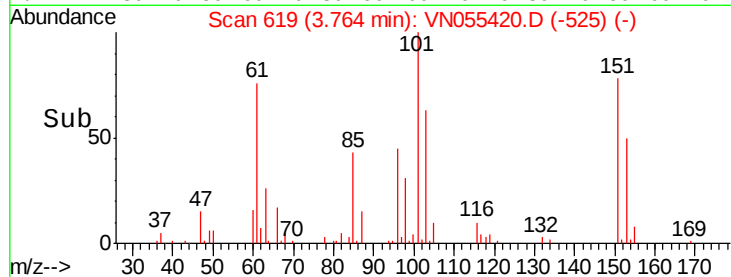
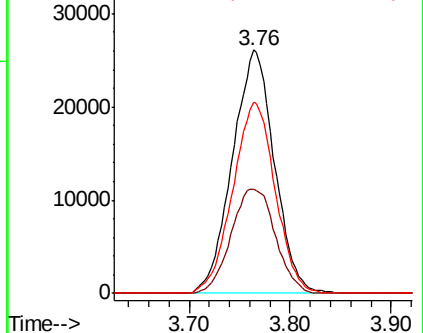
151 79.1 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.066 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

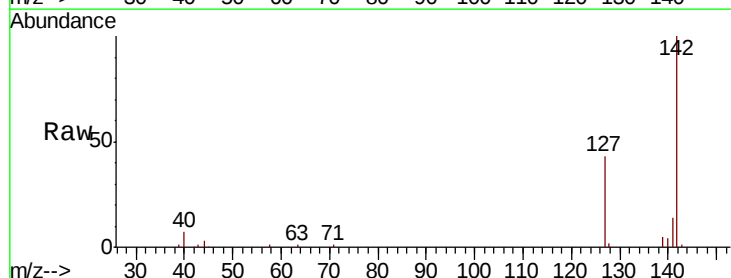
Tgt Ion:142 Resp: 98698

Ion Ratio Lower Upper

142 100

127 42.6 34.4 51.6

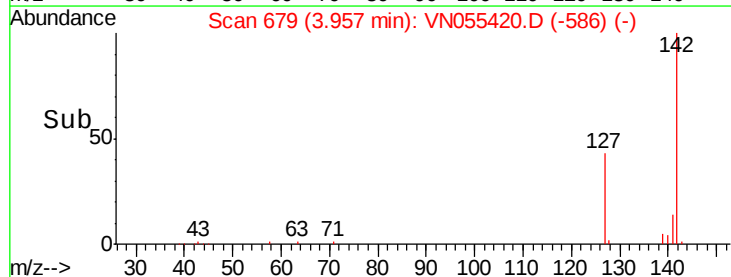
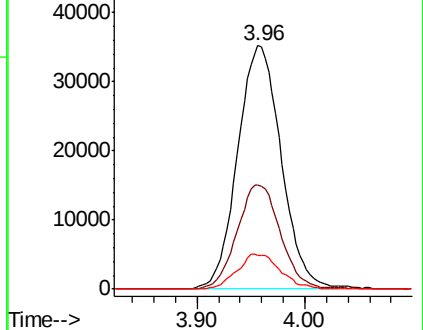
141 14.2 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

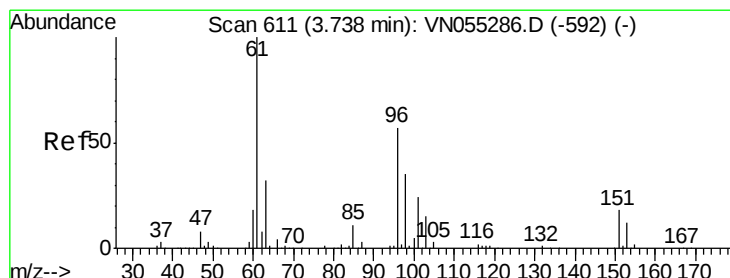
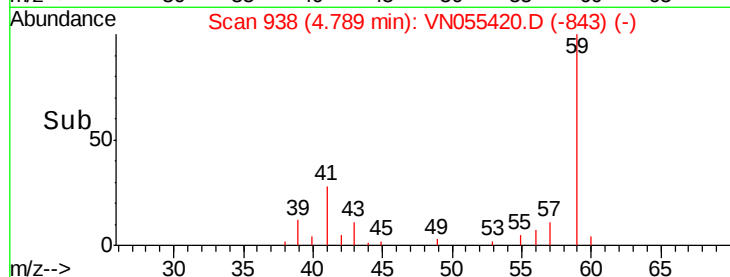
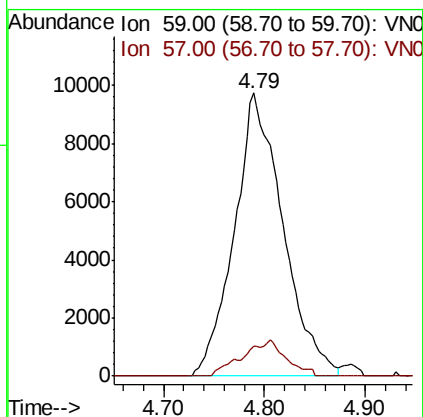
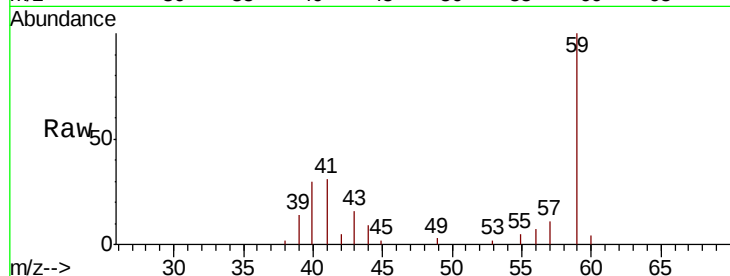




#11
Tert butyl alcohol
Concen: 116.113 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

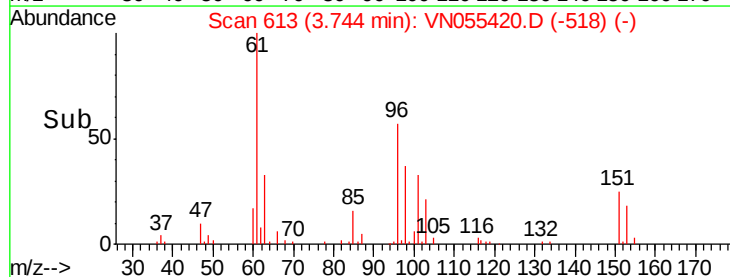
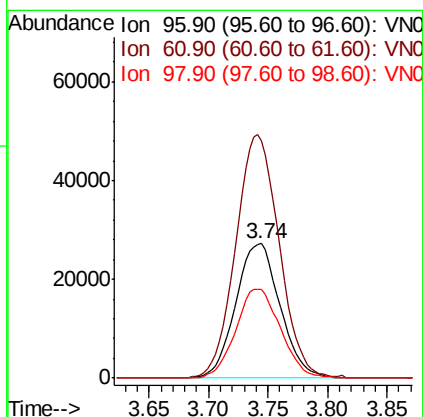
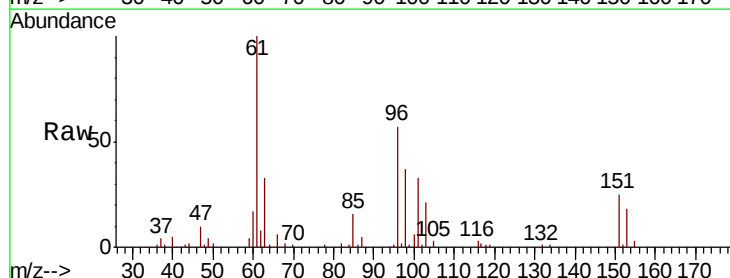
Instrument :
MSVOA_N
ClientSampled :
VN0506MBSD01

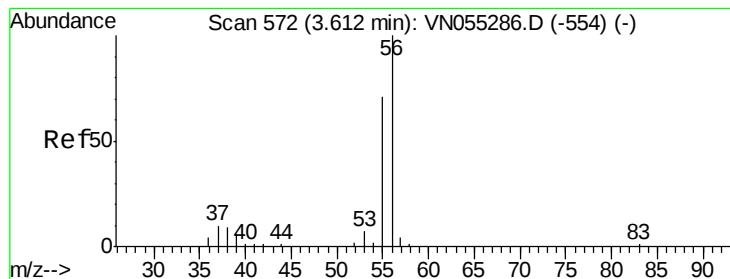
Tot Ion: 59 Resp: 32602
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 18.998 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 96 Resp: 70352
Ion Ratio Lower Upper
96 100
61 176.7 140.9 211.3
98 65.5 50.0 75.0





#13

Acrolein

Concen: 64.028 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

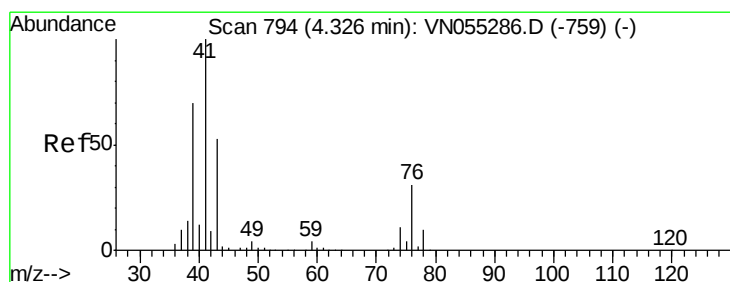
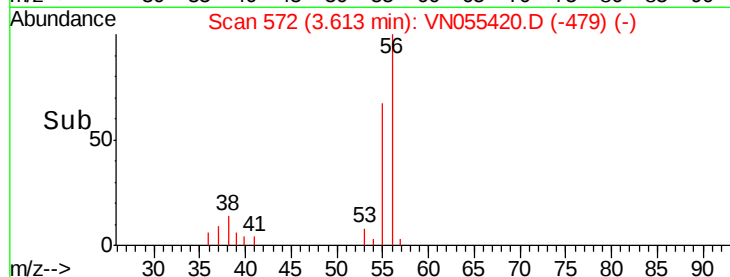
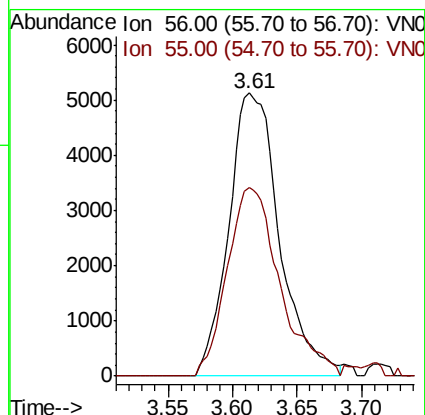
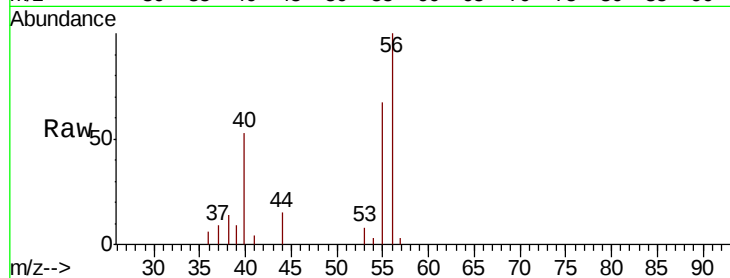
VN0506MBSD01

Tot Ion: 56 Resp: 14040

Ion Ratio Lower Upper

56 100

55 69.1 57.4 86.2



#14

Allyl chloride

Concen: 19.888 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

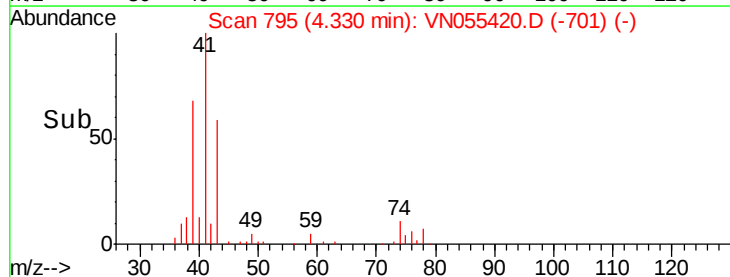
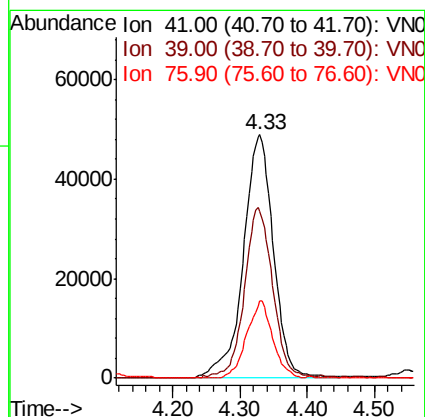
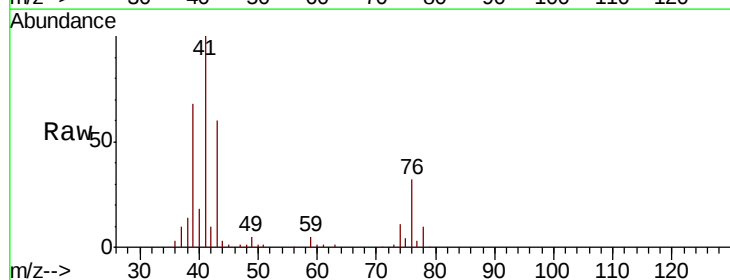
Tgt Ion: 41 Resp: 152532

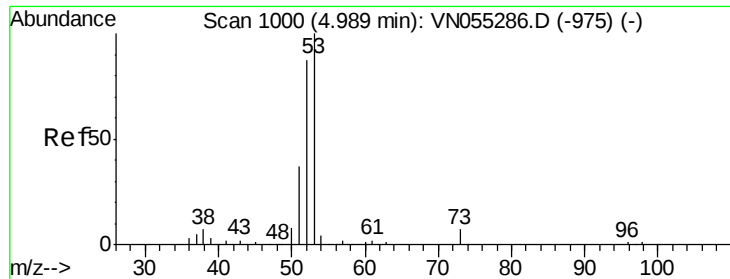
Ion Ratio Lower Upper

41 100

39 65.5 53.0 79.6

76 27.2 22.7 34.1

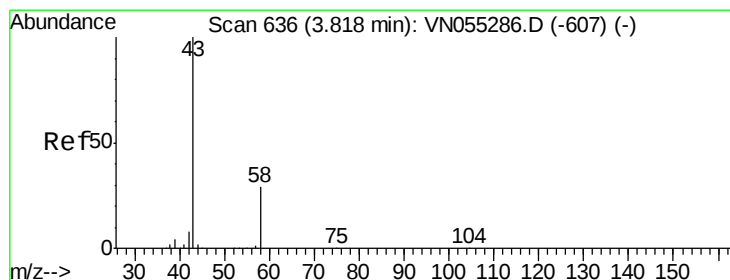
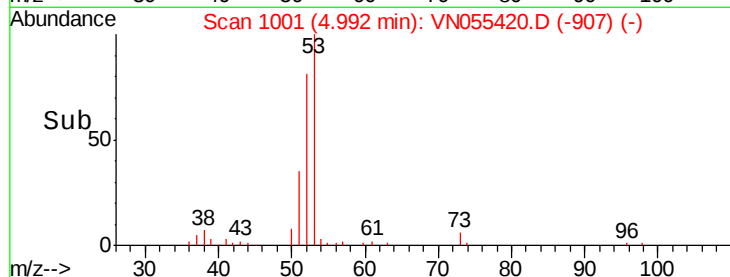
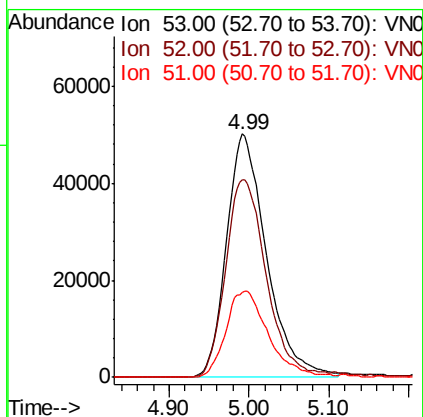
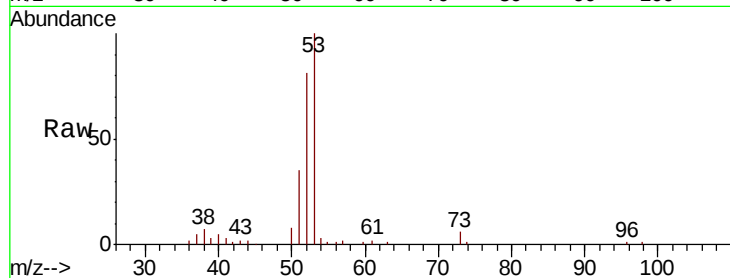




#15
 Acrylonitrile
 Concen: 108.622 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

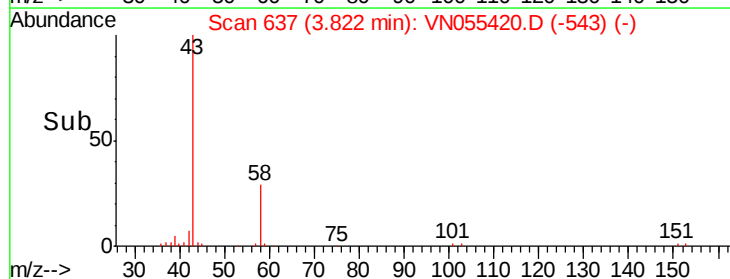
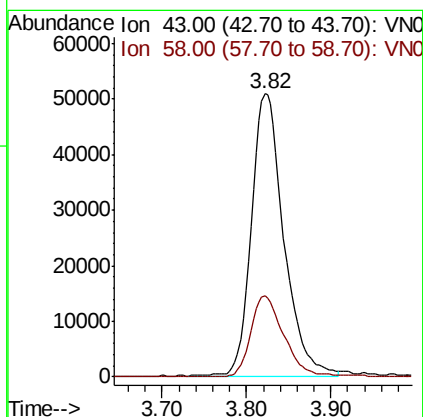
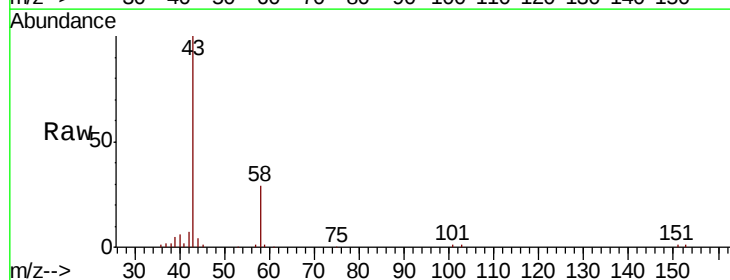
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

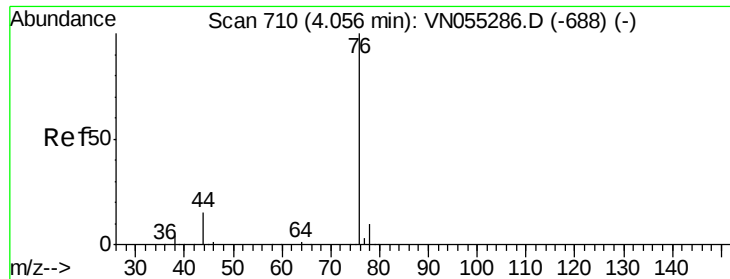
Tot Ion: 53 Resp: 171430
 Ion Ratio Lower Upper
 53 100
 52 82.6 66.5 99.7
 51 37.6 29.6 44.4



#16
 Acetone
 Concen: 88.380 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 43 Resp: 135052
 Ion Ratio Lower Upper
 43 100
 58 28.4 23.6 35.4

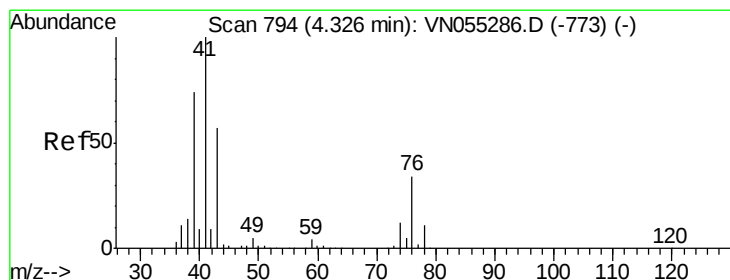
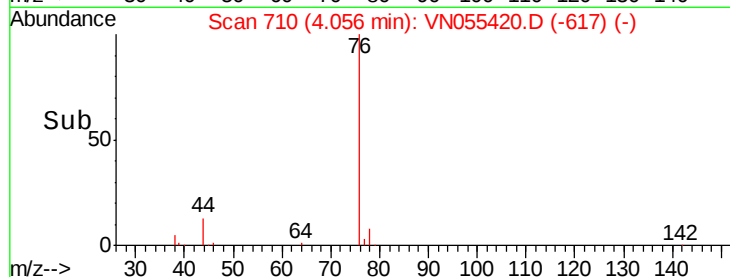
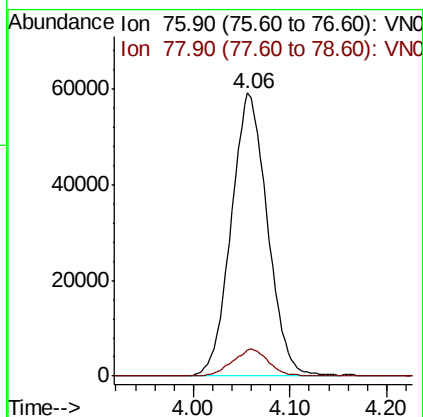
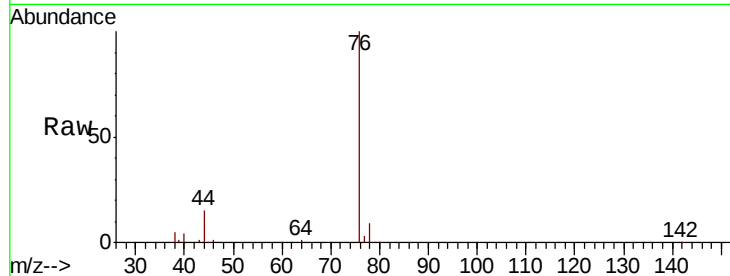




#17
Carbon Disulfide
Concen: 15.927 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

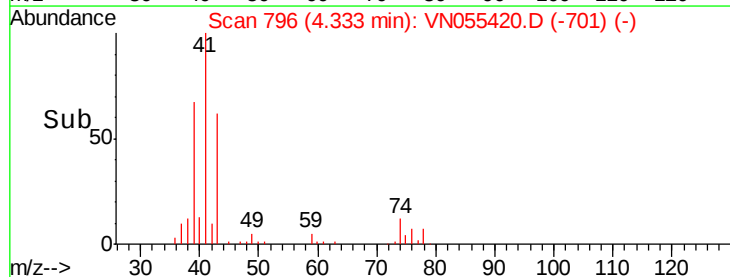
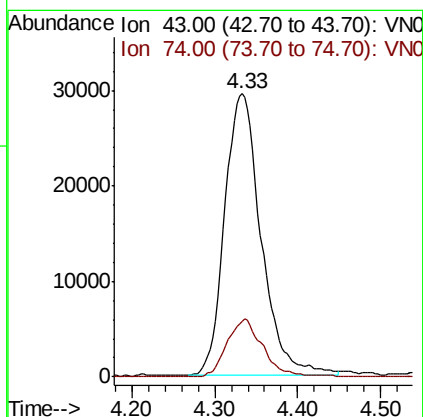
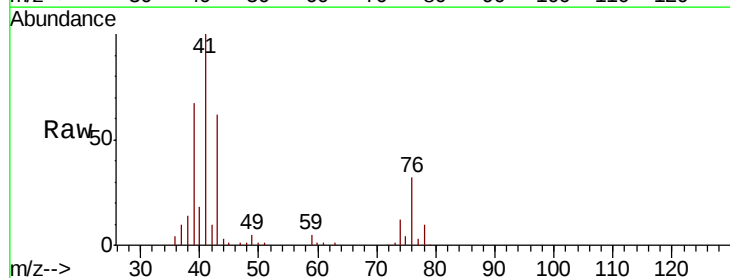
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

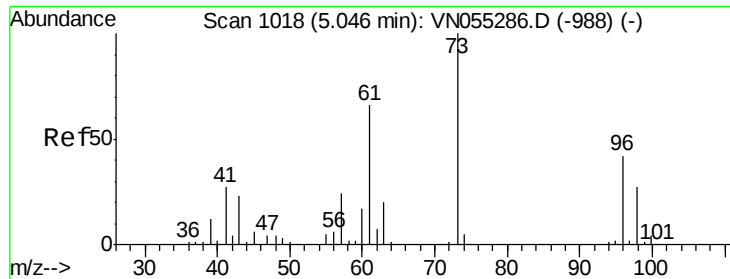
Tot Ion: 76 Resp: 153920
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4



#18
Methyl Acetate
Concen: 23.577 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 43 Resp: 89803
Ion Ratio Lower Upper
43 100
74 20.0 15.8 23.8

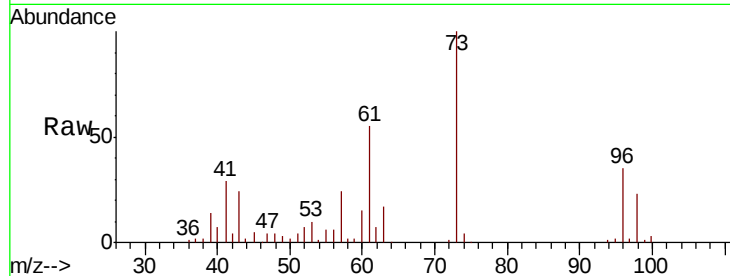




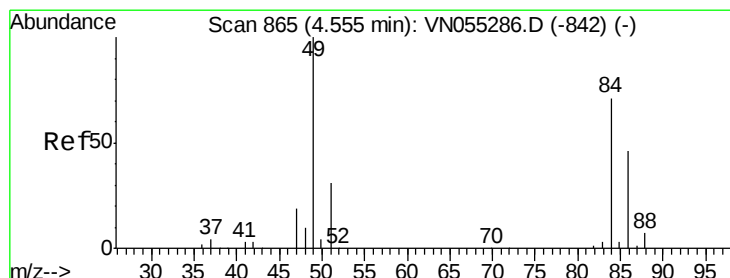
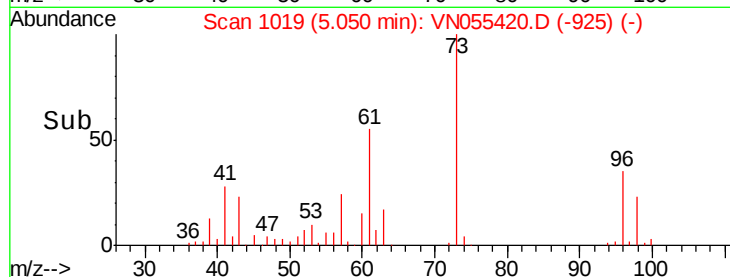
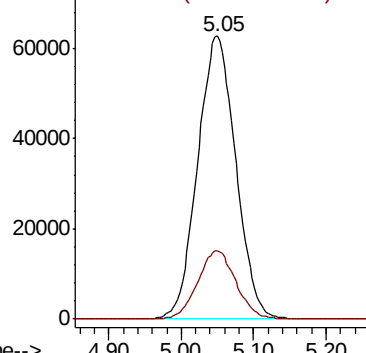
#19
Methvl tert-butvl Ether
Concen: 22.026 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion: 73 Resp: 229301
Ion Ratio Lower Upper
73 100
57 24.0 19.1 28.7

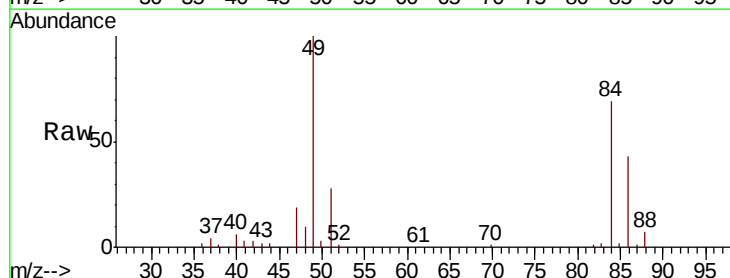


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

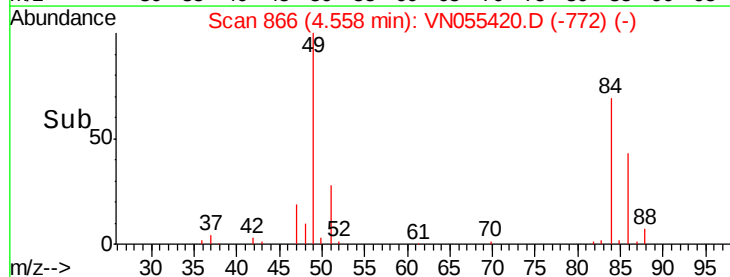
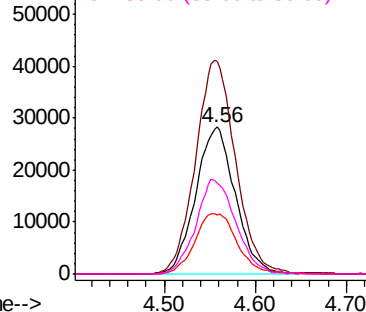


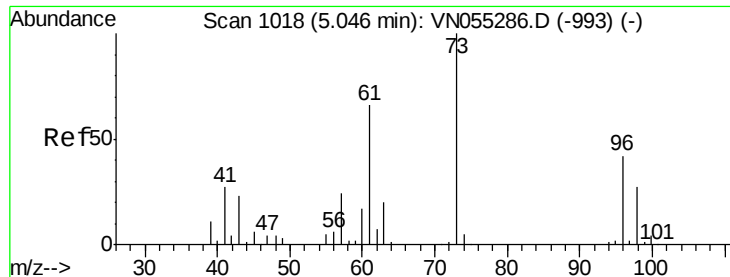
#20
Methylene Chloride
Concen: 18.401 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 84 Resp: 85825
Ion Ratio Lower Upper
84 100
49 144.3 112.4 168.6
51 40.5 34.6 51.8
86 61.6 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 18.523 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

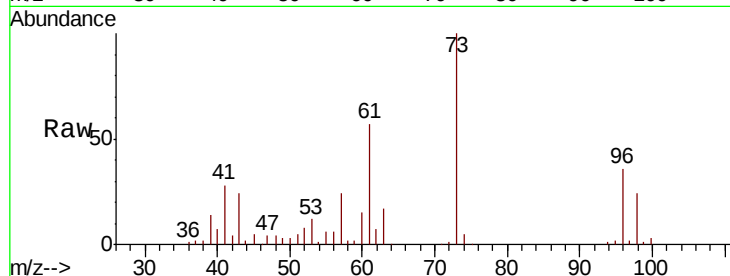
Tot Ion: 96 Resp: 72645

Ion Ratio Lower Upper

96 100

61 159.6 126.2 189.4

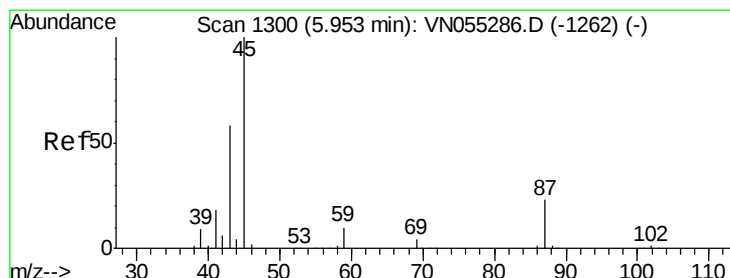
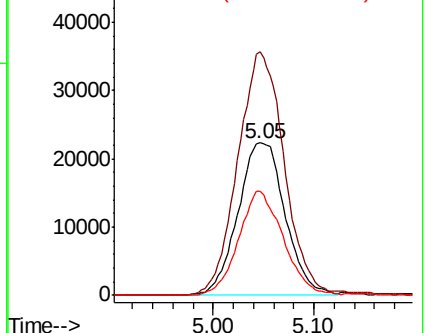
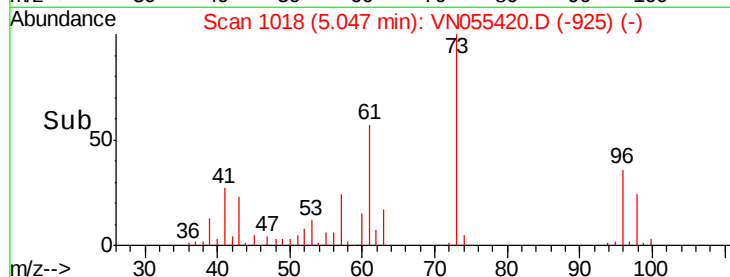
98 68.2 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VN055420.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN055420.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN055420.D (-925) (-)



#22

Diisopropyl ether

Concen: 21.455 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion: 45 Resp: 326951

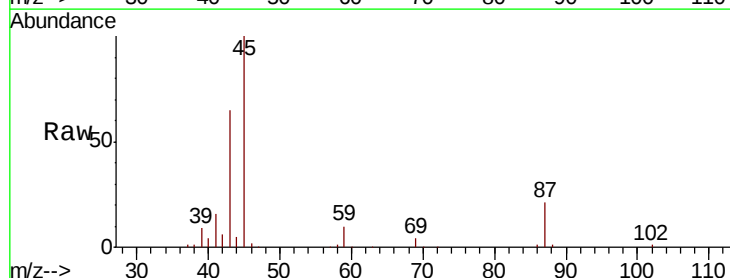
Ion Ratio Lower Upper

45 100

43 63.1 46.6 70.0

87 21.1 18.1 27.1

59 9.7 8.2 12.2

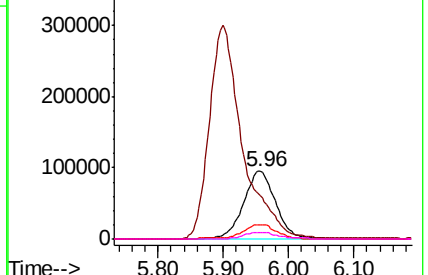
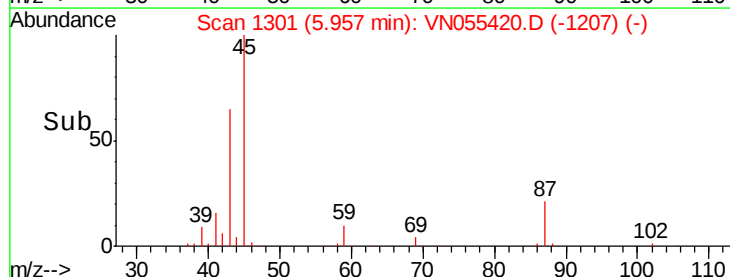


Abundance Ion 45.00 (44.70 to 45.70): VN055420.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055420.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055420.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055420.D (-1207) (-)

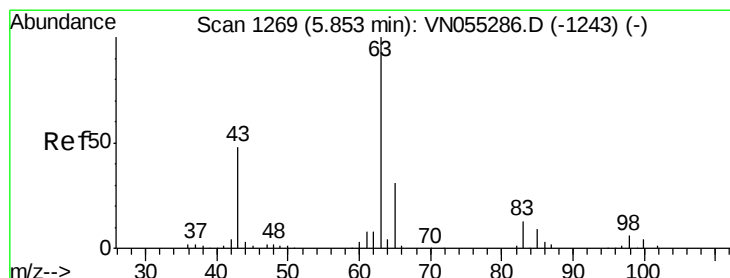
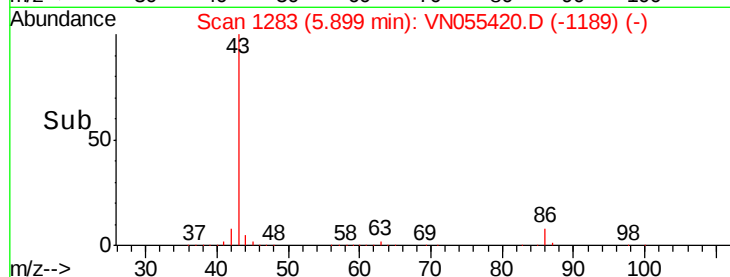
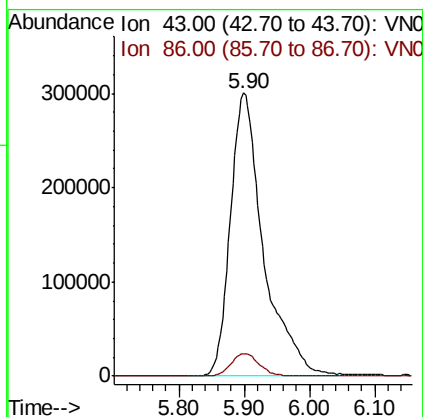
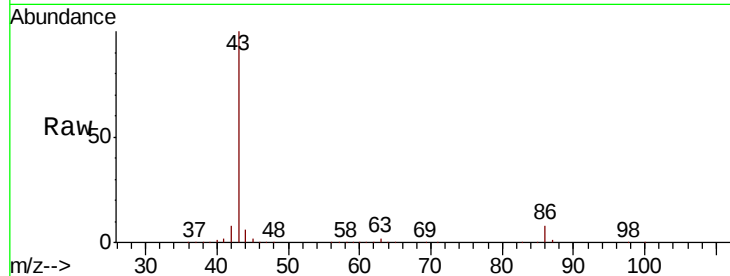




#23
 Vinyl Acetate
 Concen: 106.266 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

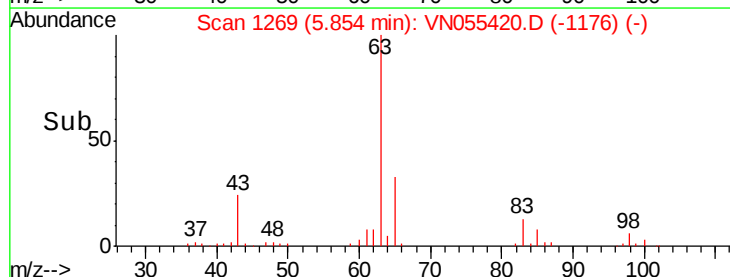
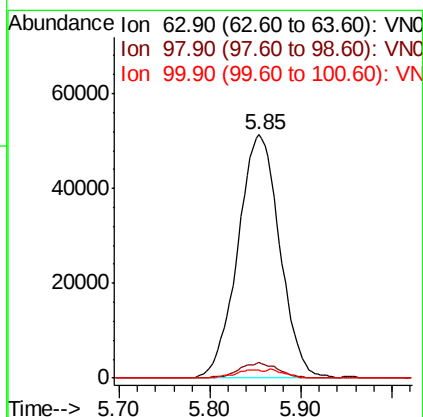
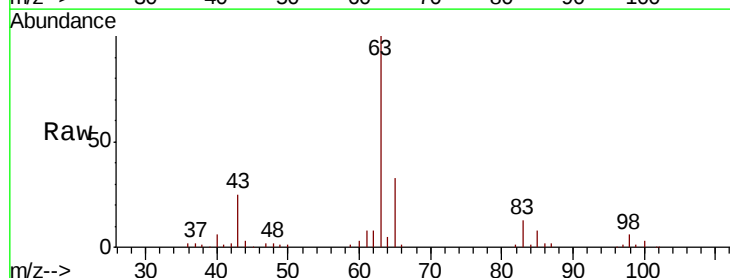
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

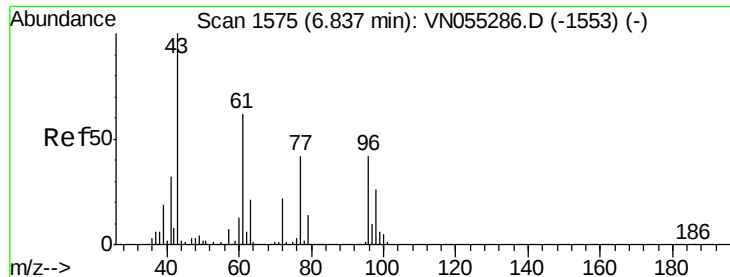
Tot Ion: 43 Resp: 1061315
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 20.203 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 63 Resp: 164034
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 3.2 1.8 5.4

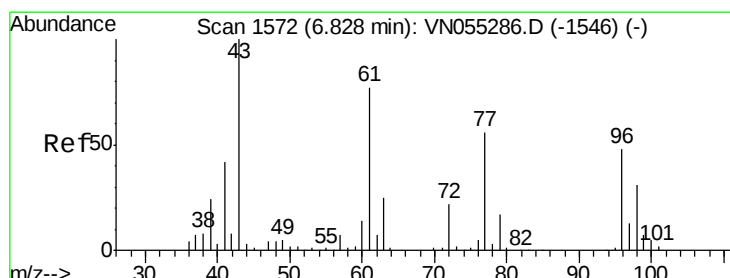
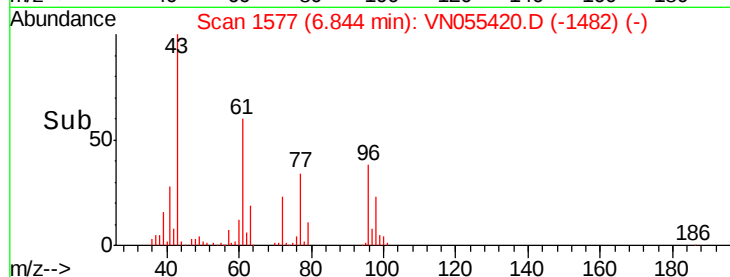
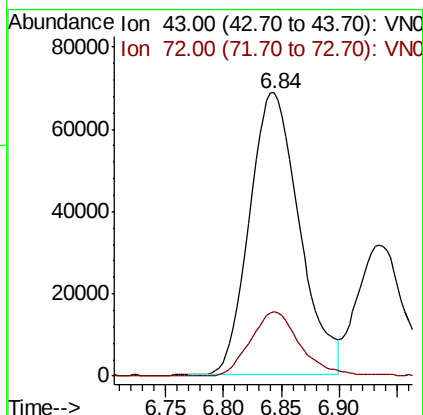
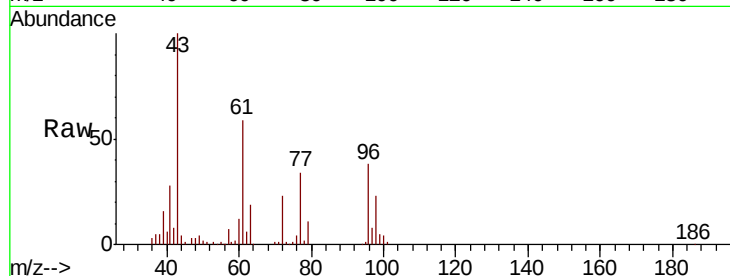




#25
2-Butanone
Concen: 105.195 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

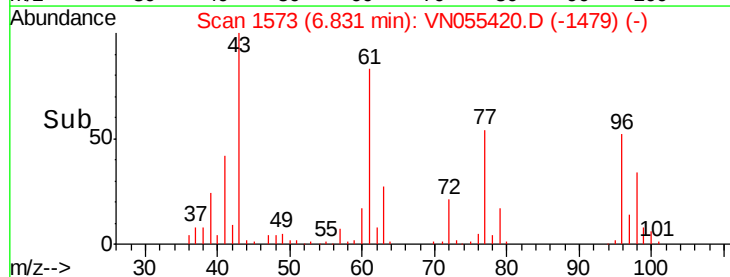
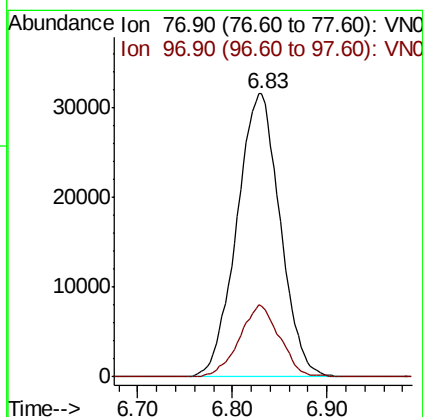
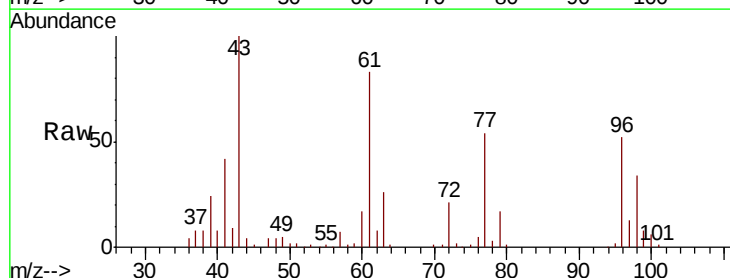
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion: 43 Resp: 205574
Ion Ratio Lower Upper
43 100
72 23.0 18.0 27.0



#26
2,2-Dichloropropane
Concen: 17.862 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 77 Resp: 100146
Ion Ratio Lower Upper
77 100
97 23.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.191 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

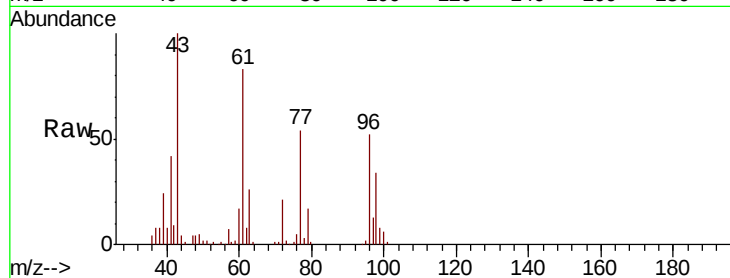
Tot Ion: 96 Resp: 90052

Ion Ratio Lower Upper

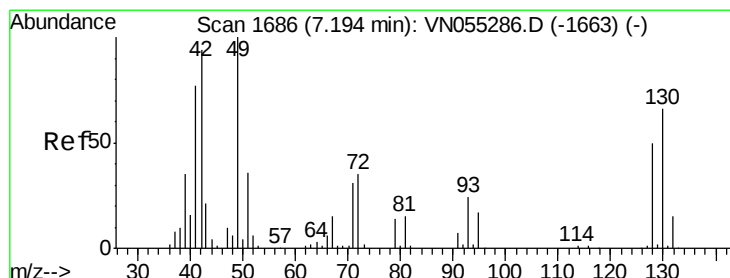
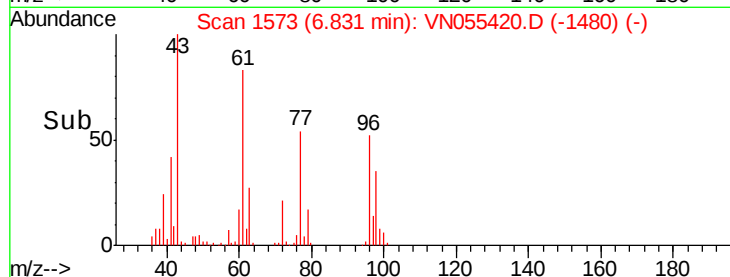
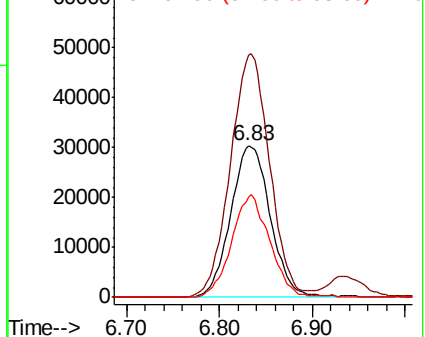
96 100

61 158.6 0.0 316.2

98 65.1 0.0 126.6



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



#28

Bromochloromethane

Concen: 19.818 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

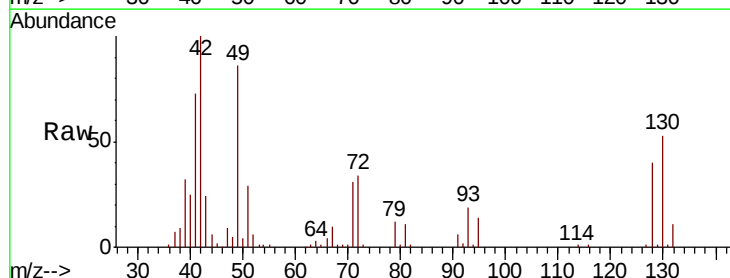
Tgt Ion: 49 Resp: 81107

Ion Ratio Lower Upper

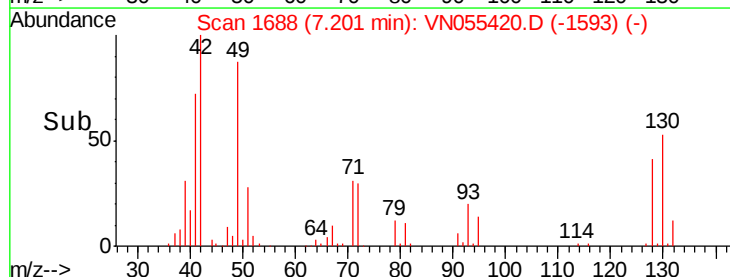
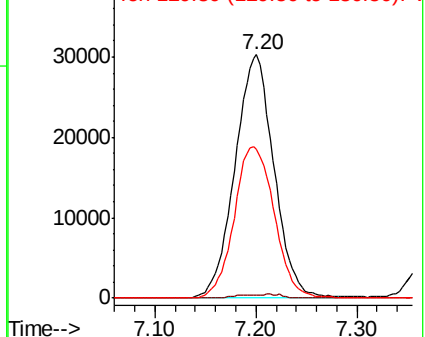
49 100

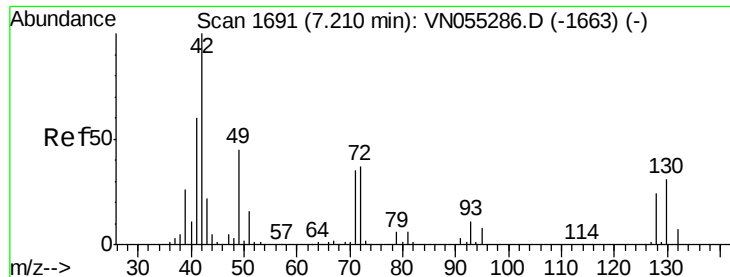
129 0.9 0.0 2.4

130 63.6 52.0 78.0



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

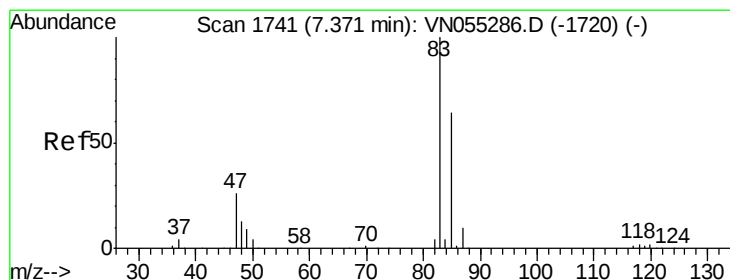
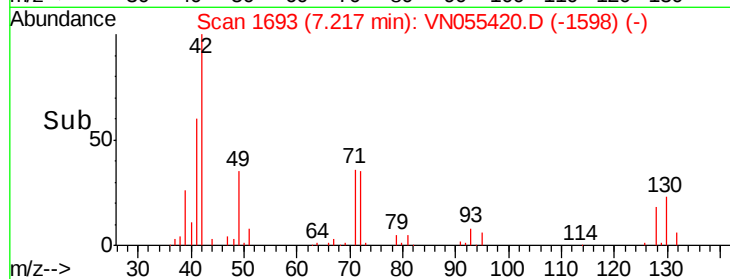
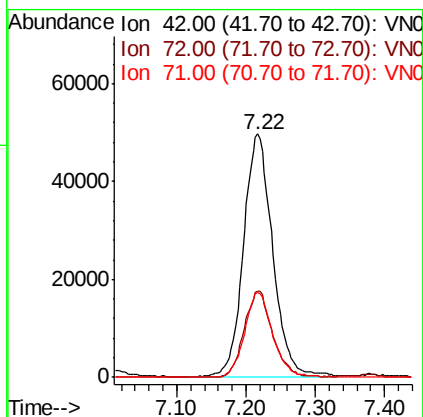
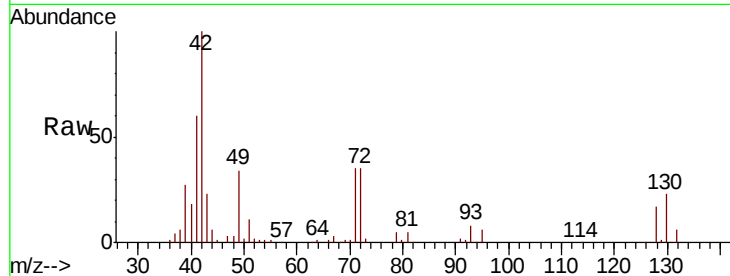




#29
Tetrahydrofuran
Concen: 116.954 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

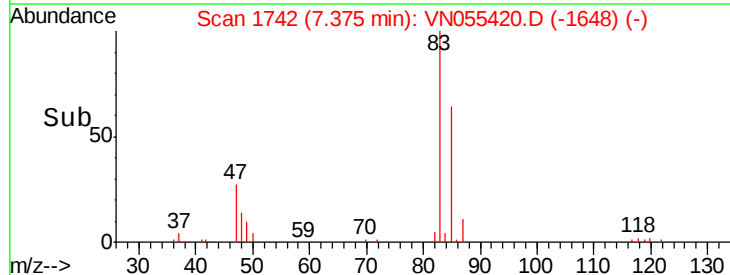
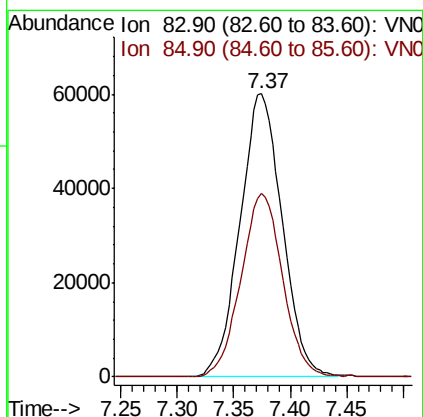
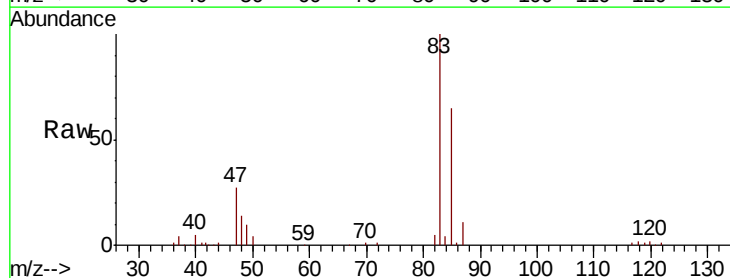
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

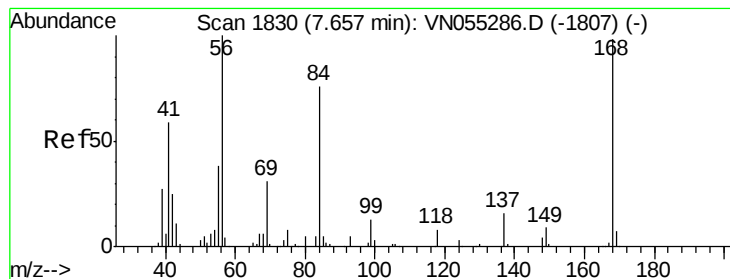
Tot Ion: 42 Resp: 146349
Ion Ratio Lower Upper
42 100
72 33.9 29.0 43.6
71 33.1 27.1 40.7



#30
Chloroform
Concen: 20.275 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 83 Resp: 156054
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2





#31

Cyclohexane

Concen: 19.240 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

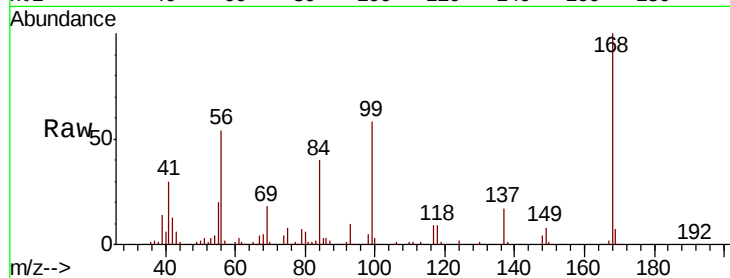
Tot Ion: 56 Resp: 148421

Ion Ratio Lower Upper

56 100

69 32.6 25.2 37.8

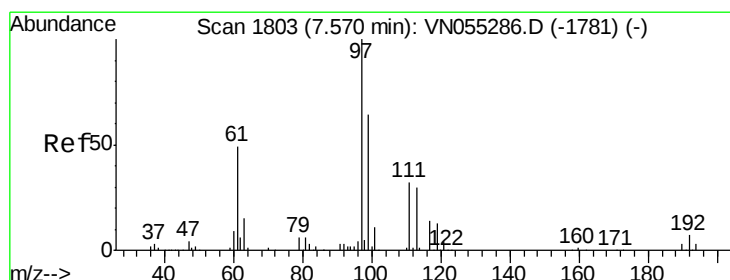
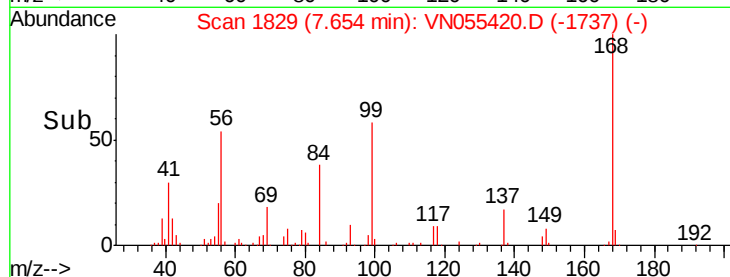
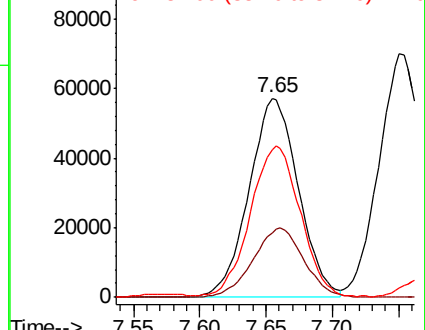
84 73.1 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN055420.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055420.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055420.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 19.832 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

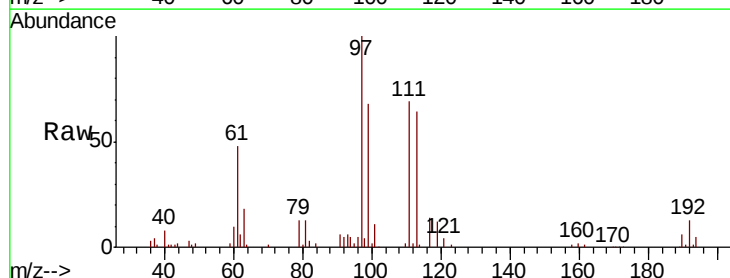
Tgt Ion: 97 Resp: 123885

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

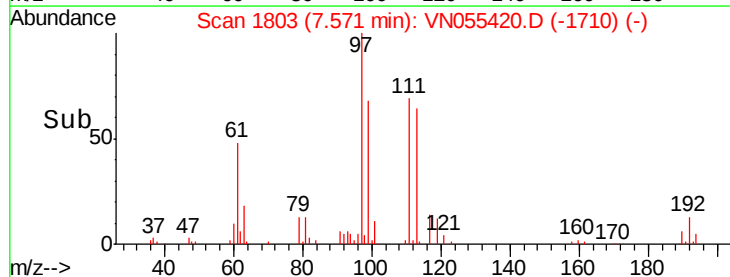
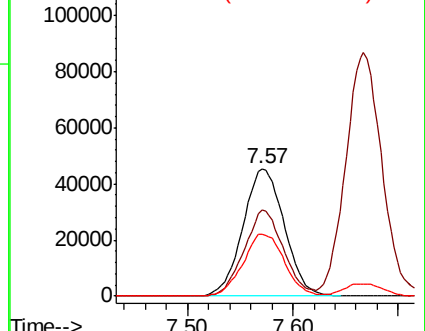
61 48.8 39.0 58.6

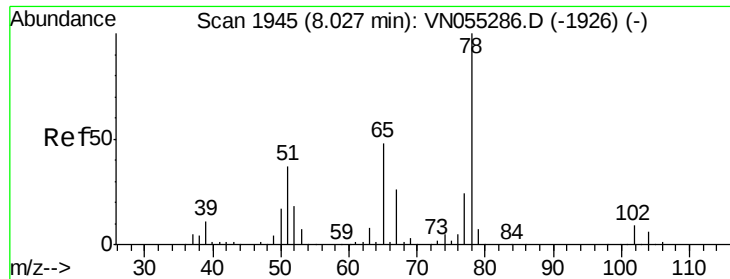


Abundance Ion 96.90 (96.60 to 97.60): VN055420.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055420.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055420.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.333 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

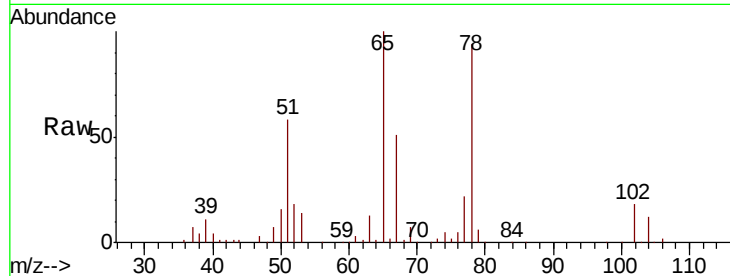
VN0506MBSD01

Tot Ion: 65 Resp: 241939

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN055420.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055420.D (-1852) (-)

8.03

120000

100000

80000

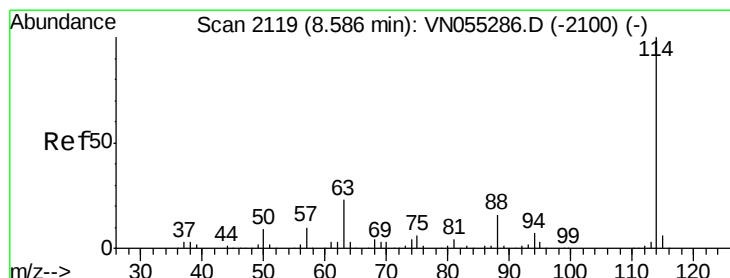
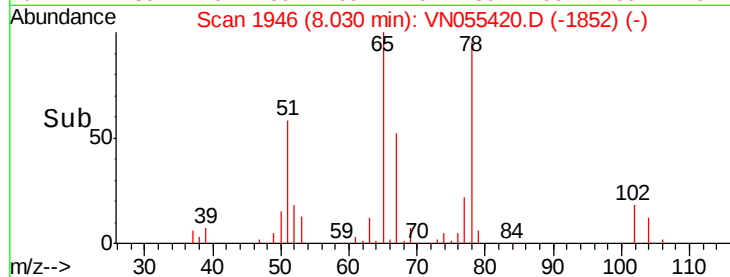
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

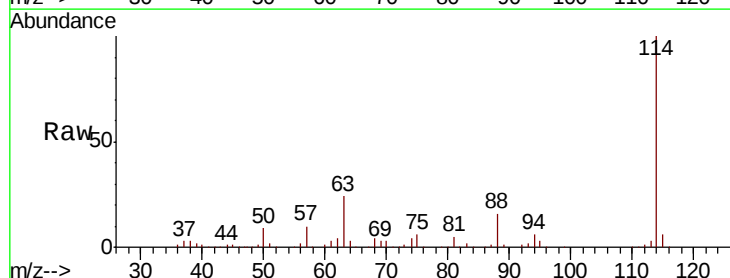
Tgt Ion: 114 Resp: 624616

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 15.7 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN055420.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055420.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055420.D (-2026) (-)

8.59

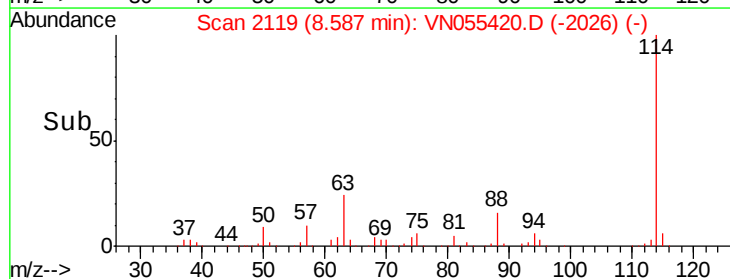
300000

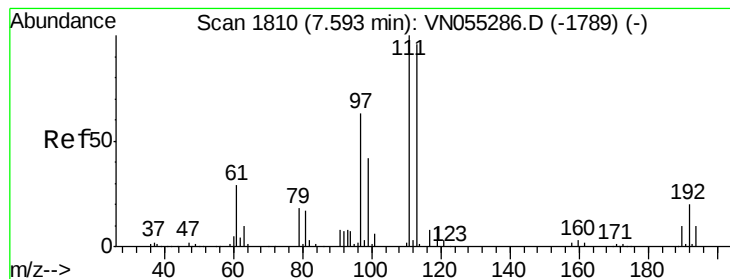
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.028 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

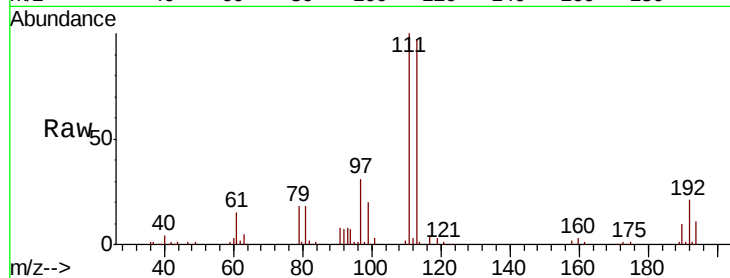
Tot Ion:113 Resp: 188703

Ion Ratio Lower Upper

113 100

111 103.8 82.3 123.5

192 20.9 17.0 25.6

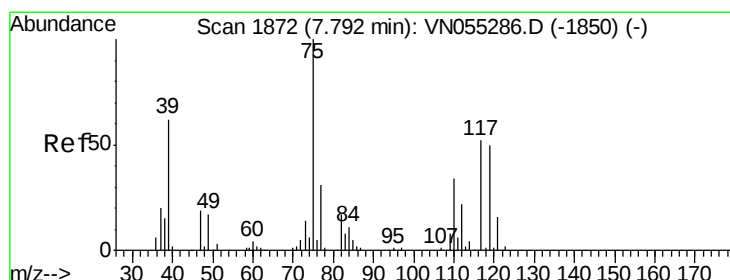
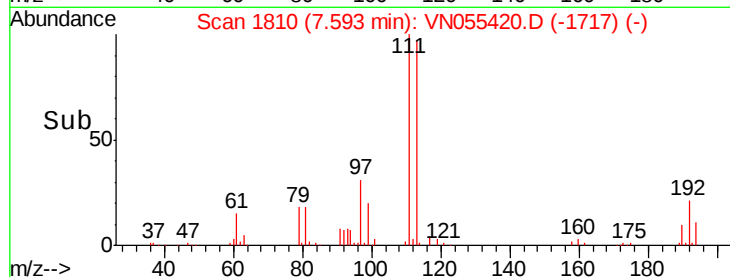
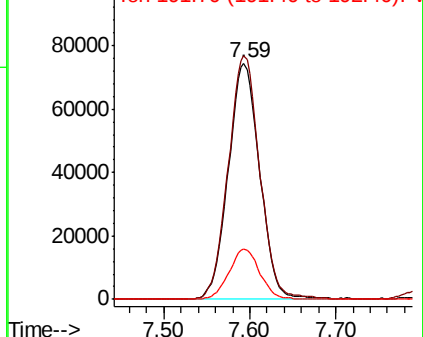


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.226 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

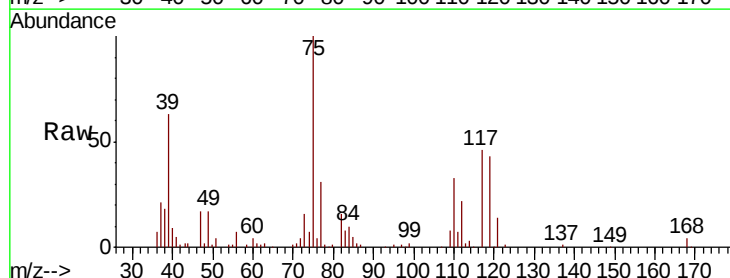
Tgt Ion: 75 Resp: 109044

Ion Ratio Lower Upper

75 100

110 32.4 16.8 50.4

77 30.8 25.0 37.6

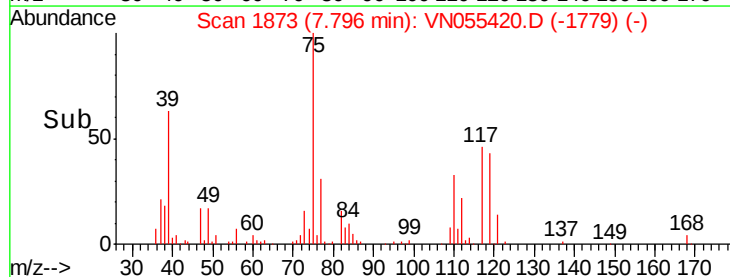
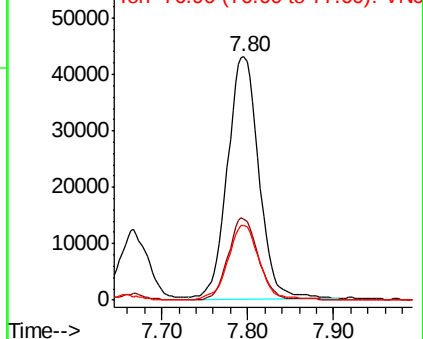


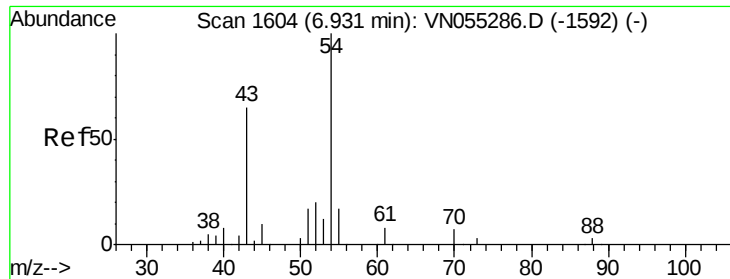
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

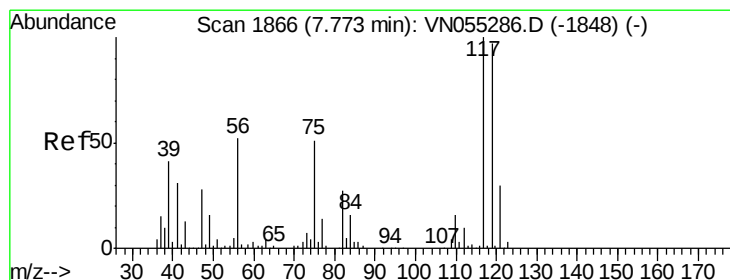
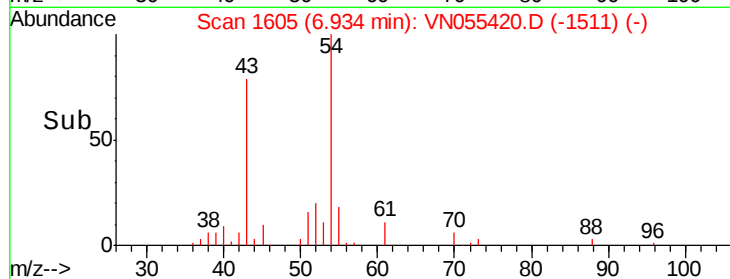
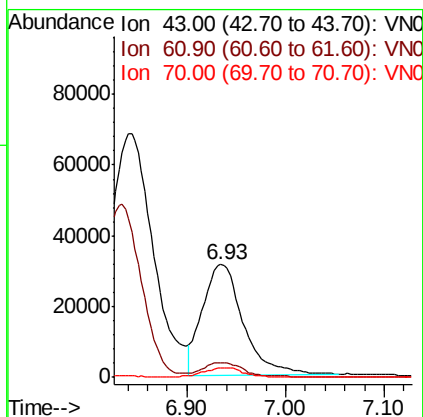
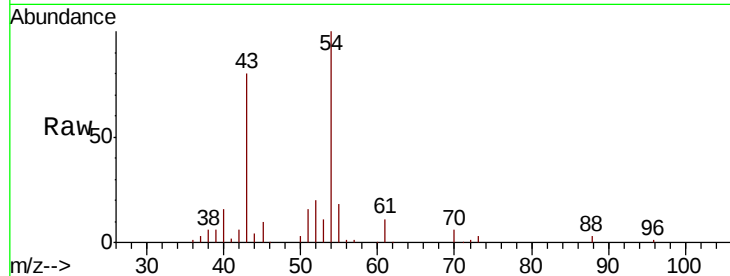




#37
Ethyl Acetate
Concen: 19.817 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

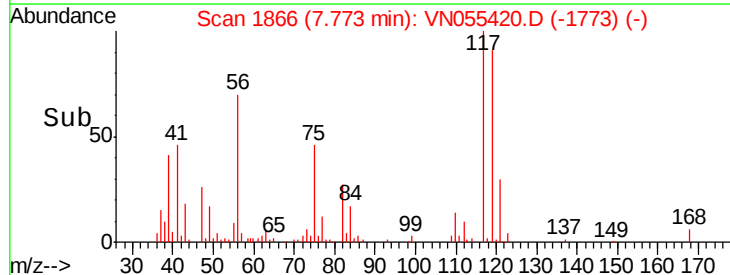
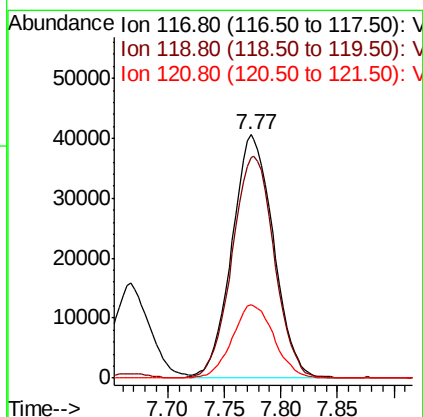
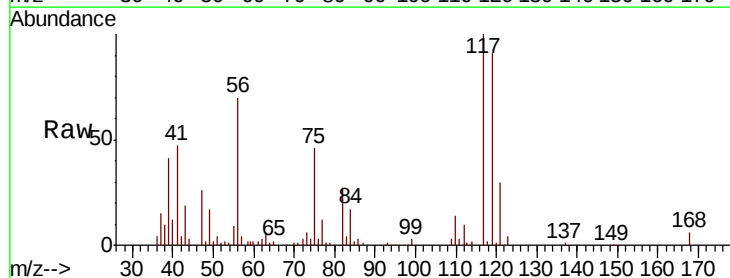
Instrument :
MSVOA_N
ClientSampleID :
VN0506MBSD01

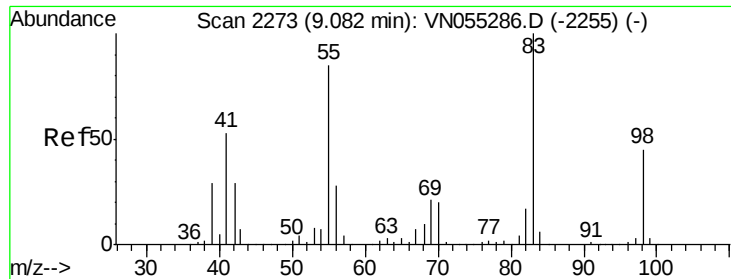
Tot Ion: 43 Resp: 90870
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 8.3 6.6 10.0



#38
Carbon Tetrachloride
Concen: 17.973 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 117 Resp: 103725
Ion Ratio Lower Upper
117 100
119 90.6 77.0 115.6
121 30.0 23.8 35.8

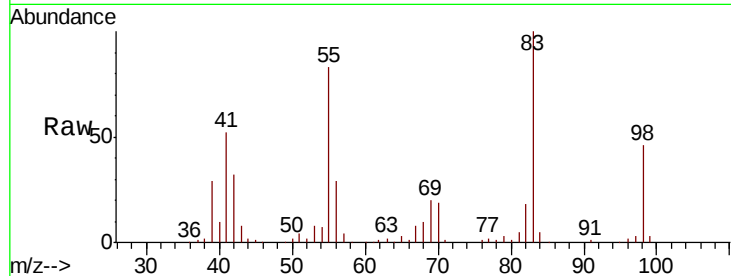




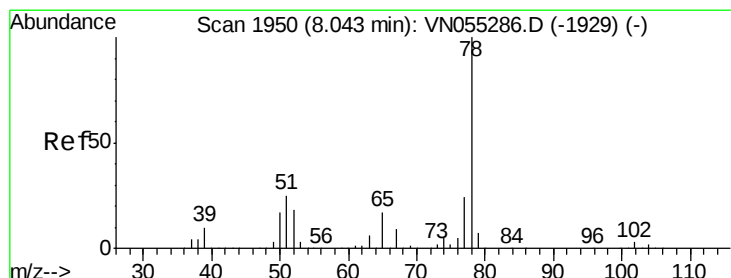
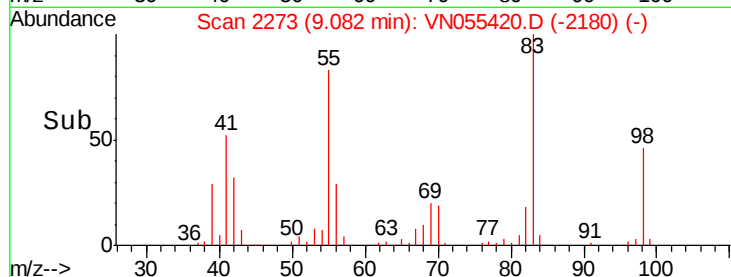
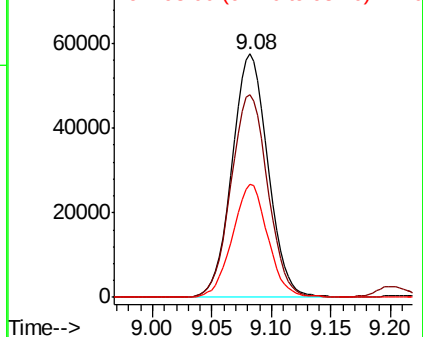
#39
Methvlcvclohexane
Concen: 18.969 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion: 83 Resp: 120663
Ion Ratio Lower Upper
83 100
55 82.7 67.8 101.6
98 46.4 36.2 54.4

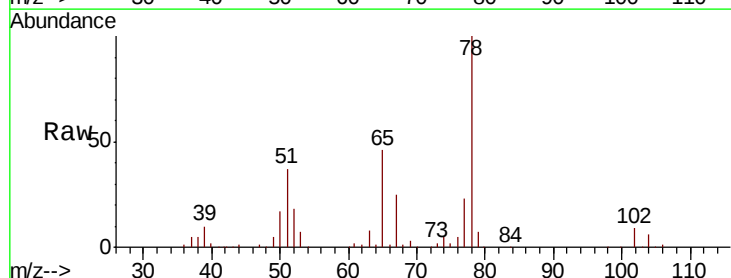


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

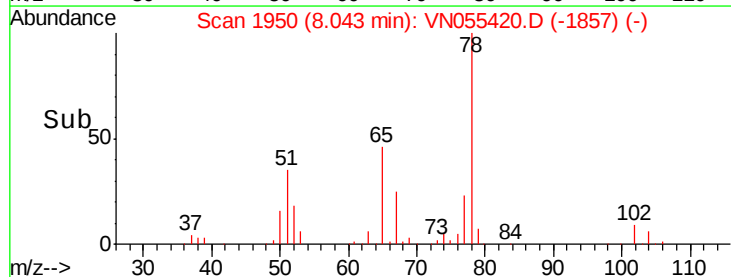
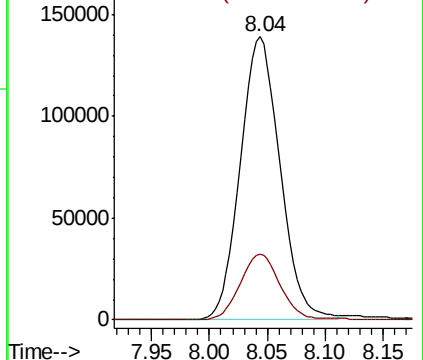


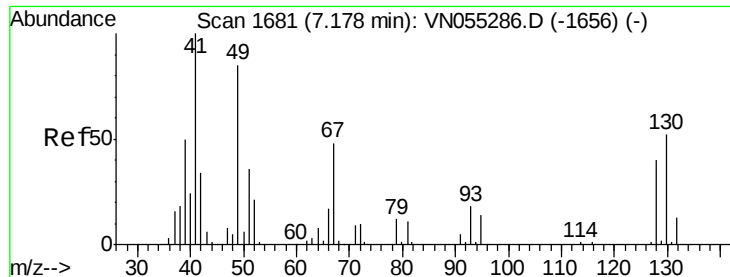
#40
Benzene
Concen: 18.880 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 78 Resp: 332986
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6



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





#41

Methacrylonitrile

Concen: 19.569 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion: 41 Resp: 47429

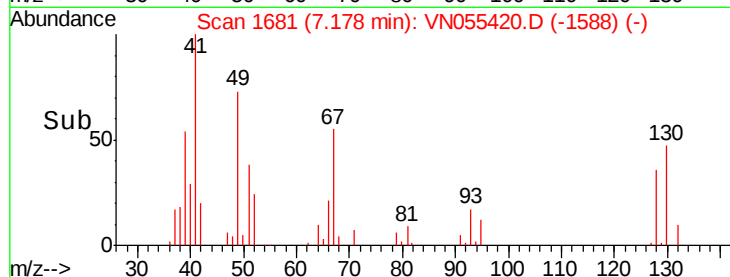
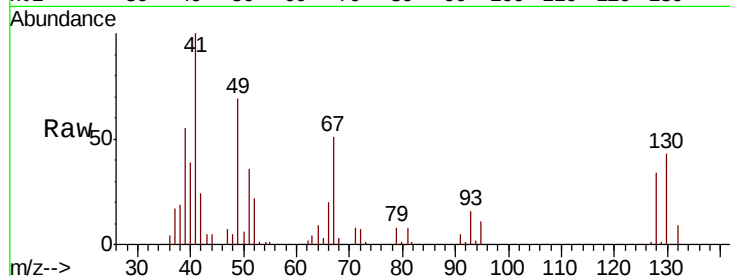
Ion Ratio Lower Upper

41 100

39 70.1 48.5 72.7

67 71.8 54.9 82.3

52 33.8 24.9 37.3

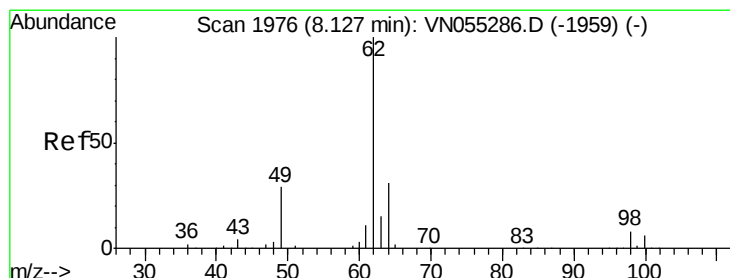
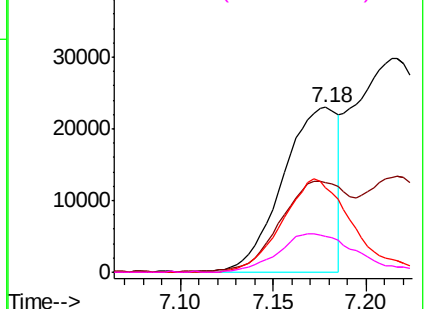


Abundance Ion 41.00 (40.70 to 41.70): VNC

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



#42

1,2-Dichloroethane

Concen: 19.121 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055420.D

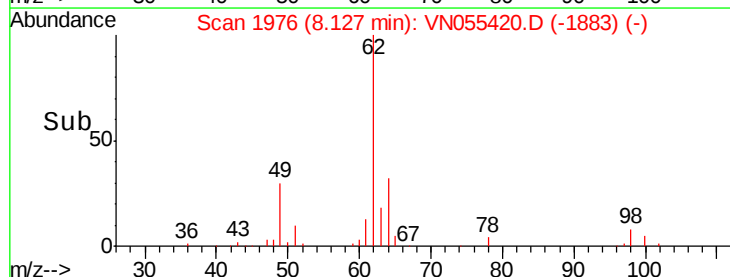
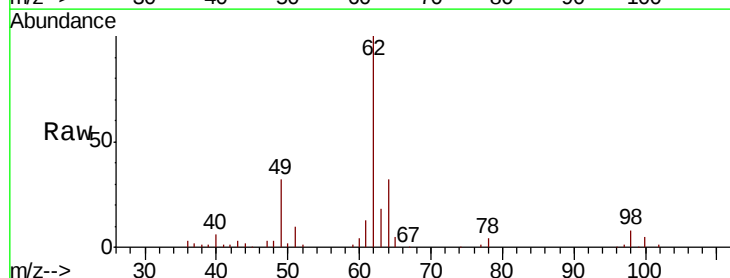
Acq: 6 May 2019 17:04

Tgt Ion: 62 Resp: 119441

Ion Ratio Lower Upper

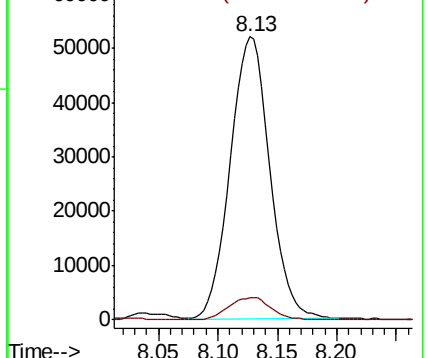
62 100

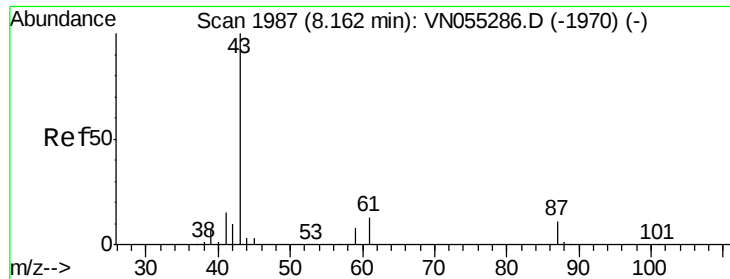
98 8.5 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.572 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

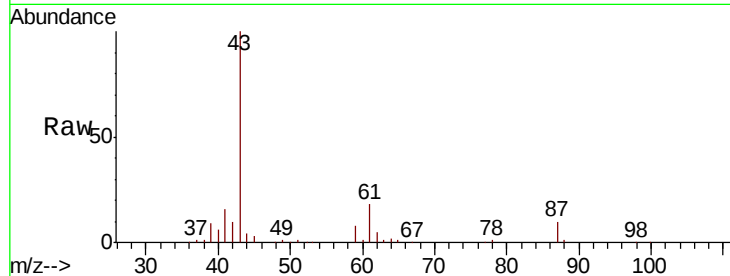
Tot Ion: 43 Resp: 158966

Ion Ratio Lower Upper

43 100

61 17.3 20.8 31.2#

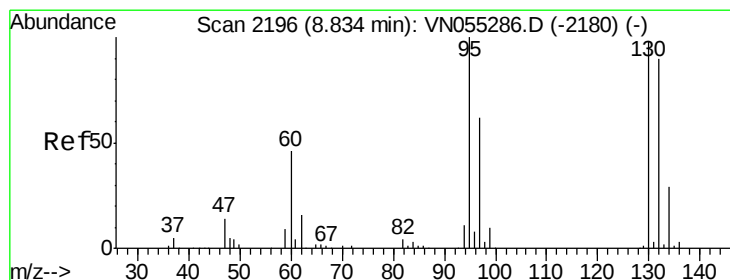
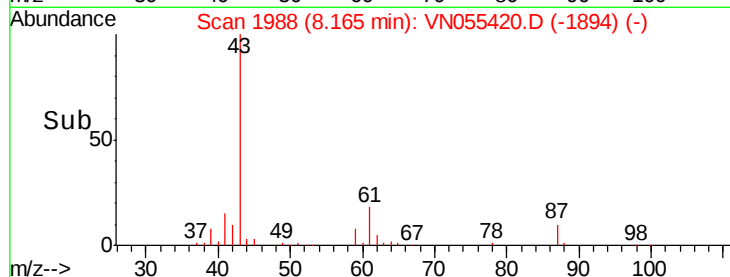
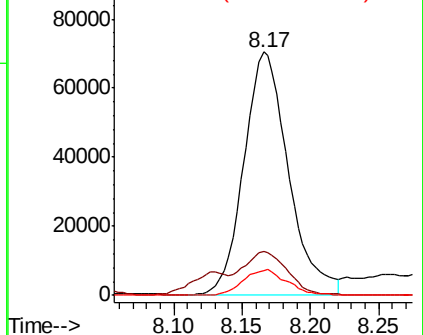
87 10.4 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)



#44

Trichloroethene

Concen: 18.735 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055420.D

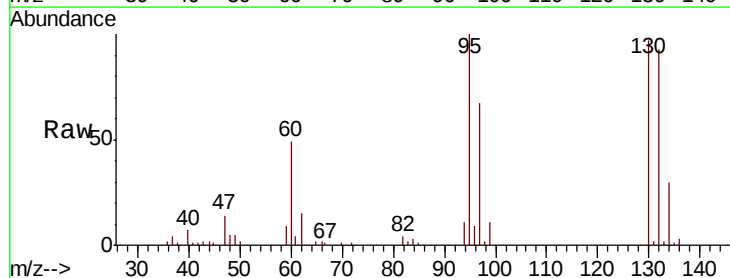
Acq: 6 May 2019 17:04

Tgt Ion:130 Resp: 84237

Ion Ratio Lower Upper

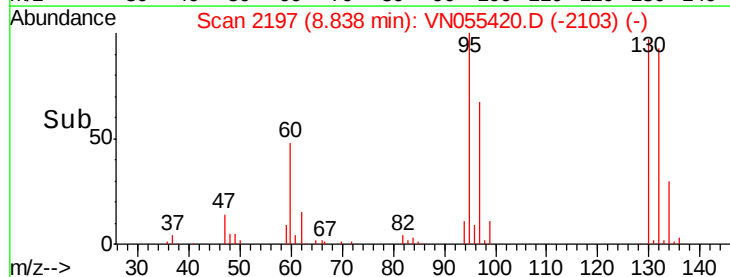
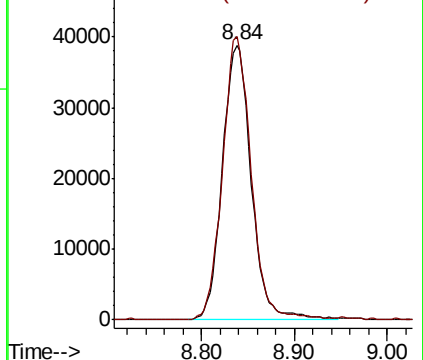
130 100

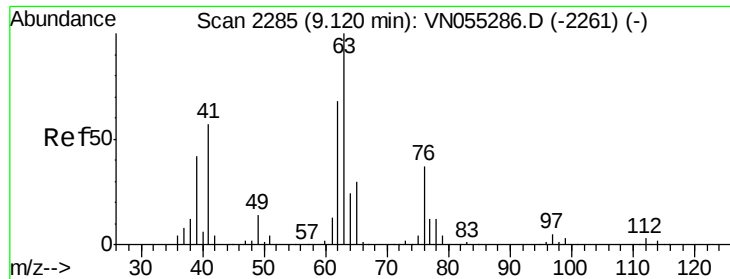
95 102.9 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055286.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.477 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

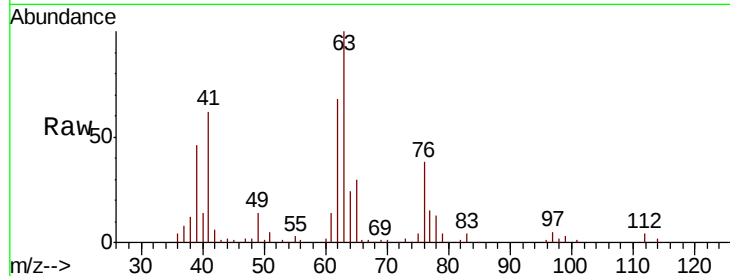
VN0506MBSD01

Tot Ion: 63 Resp: 99076

Ion Ratio Lower Upper

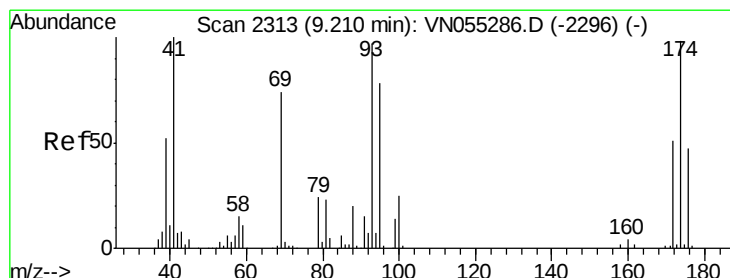
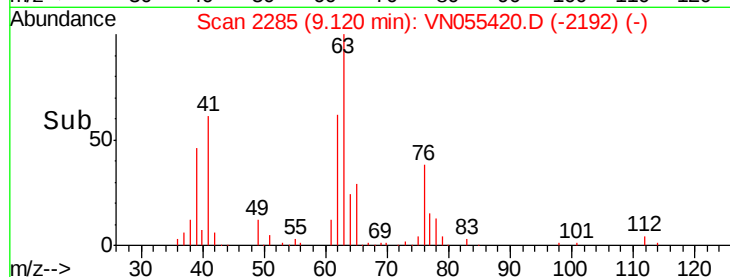
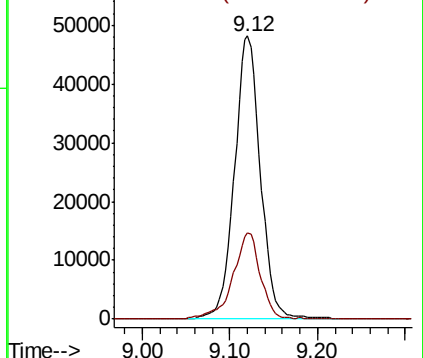
63 100

65 30.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.736 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

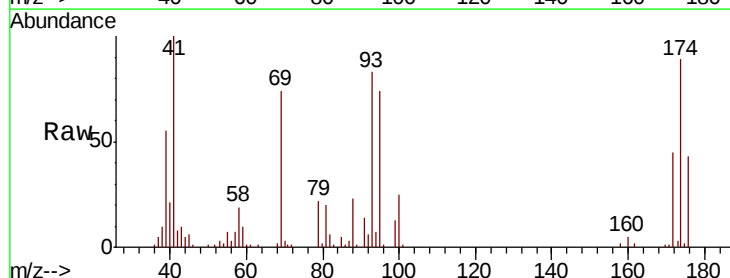
Tgt Ion: 93 Resp: 52095

Ion Ratio Lower Upper

93 100

95 86.9 65.7 98.5

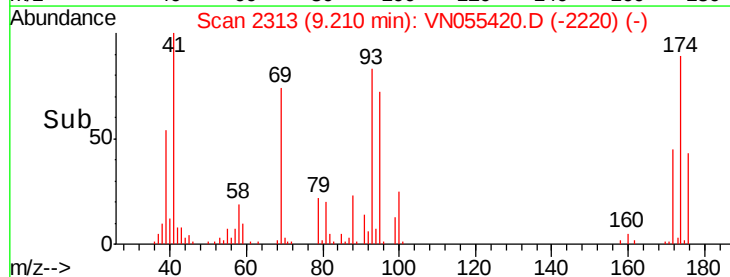
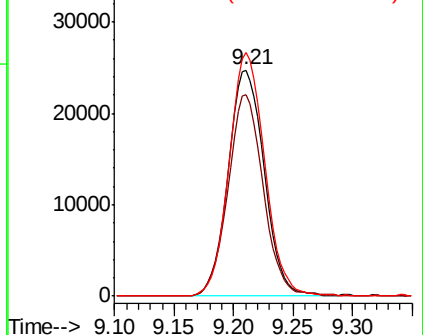
174 106.2 81.5 122.3



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.408 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

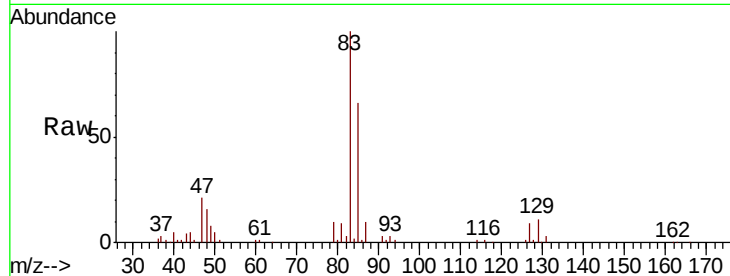
Tot Ion: 83 Resp: 115767

Ion Ratio Lower Upper

83 100

85 66.4 50.1 75.1

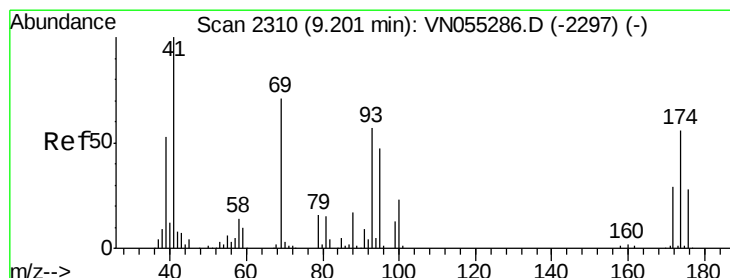
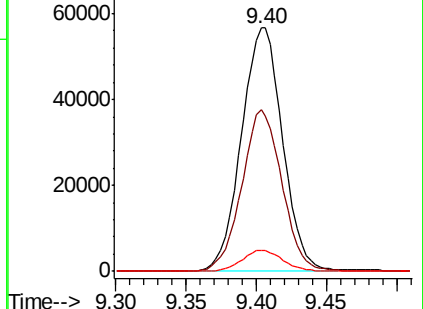
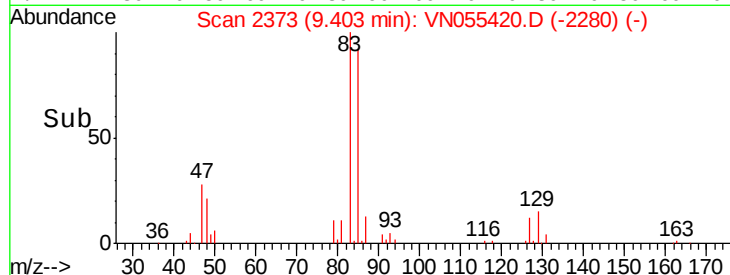
127 8.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055420.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055420.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055420.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.583 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

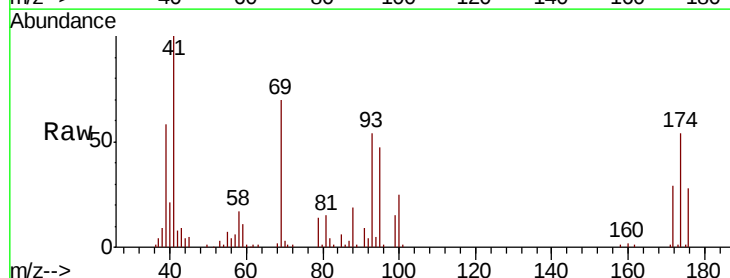
Tgt Ion: 41 Resp: 70940

Ion Ratio Lower Upper

41 100

69 75.9 58.6 87.8

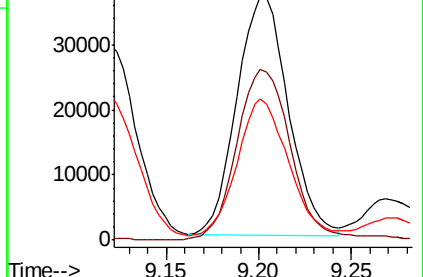
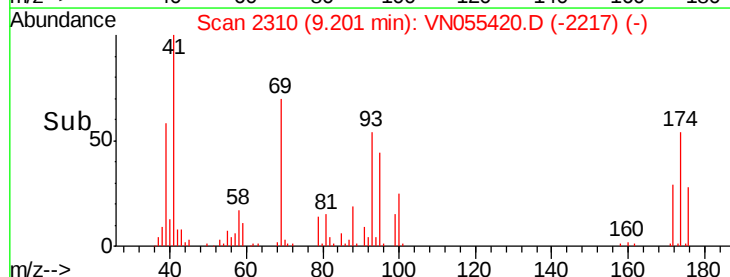
39 58.3 43.8 65.6

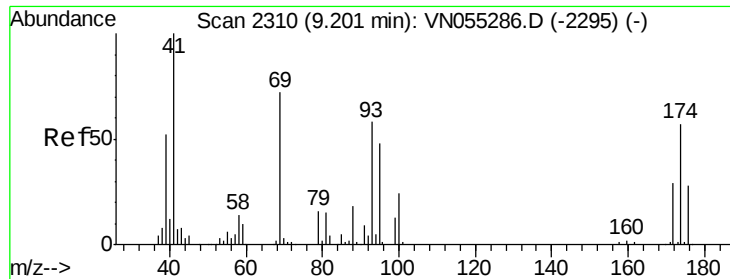


Abundance Ion 41.00 (40.70 to 41.70): VN055420.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055420.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055420.D (-2217) (-)





#49

1,4-Dioxane

Concen: 427.020 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

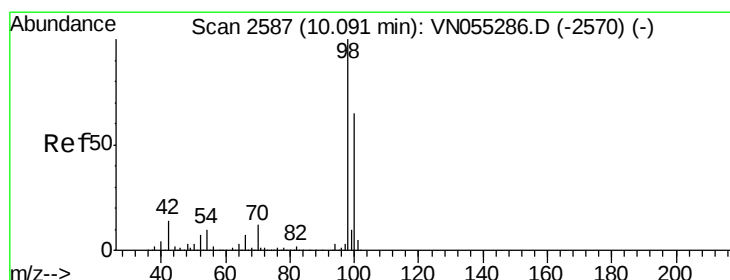
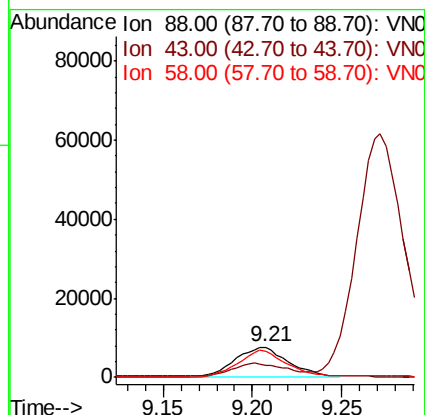
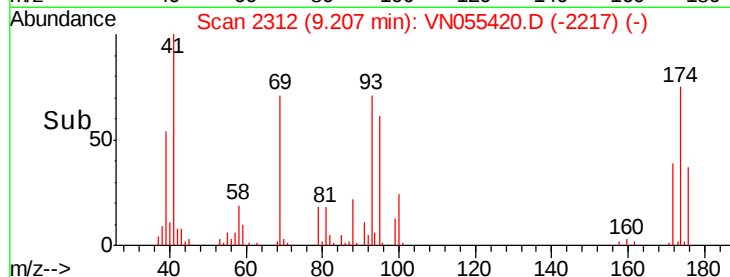
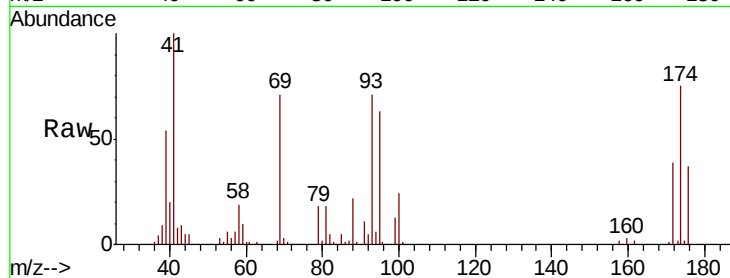
Tot Ion: 88 Resp: 15991

Ion Ratio Lower Upper

88 100

43 40.0 33.3 49.9

58 82.9 62.7 94.1



#50

Toluene-d8

Concen: 45.434 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055420.D

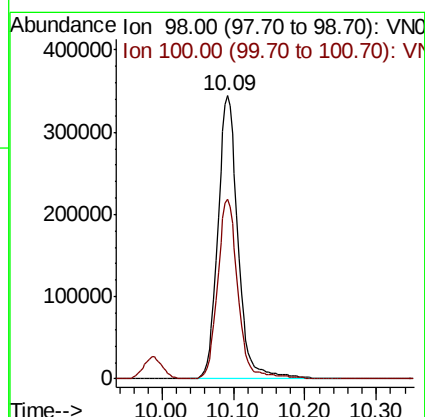
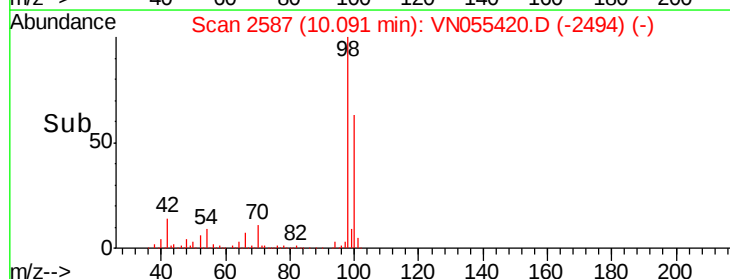
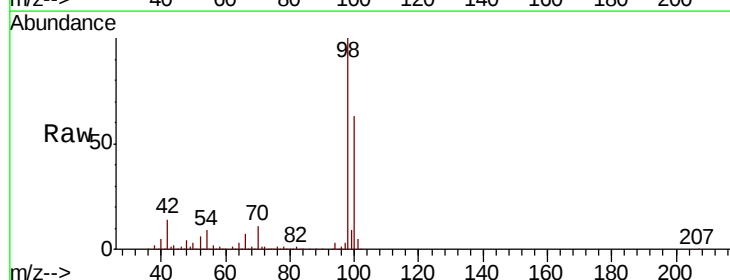
Acq: 6 May 2019 17:04

Tgt Ion: 98 Resp: 672591

Ion Ratio Lower Upper

98 100

100 64.1 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 105.610 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleID :

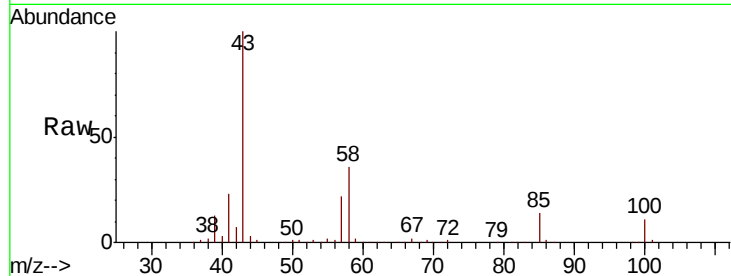
VN0506MBSD01

Tot Ion: 43 Resp: 438158

Ion Ratio Lower Upper

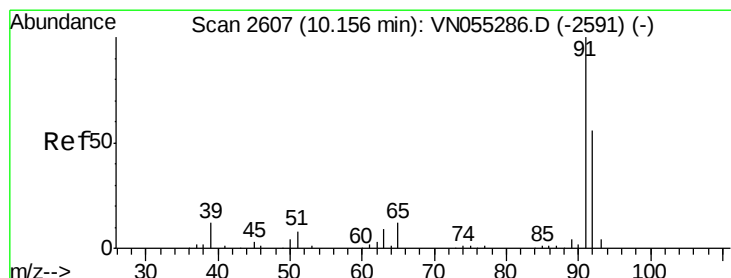
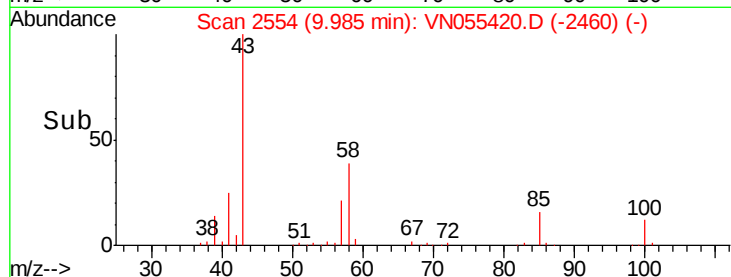
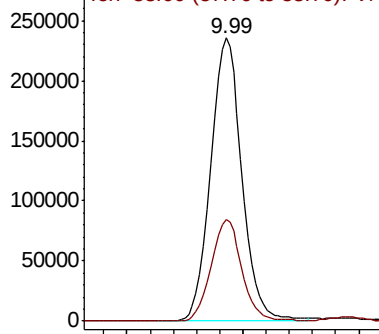
43 100

58 35.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.081 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055420.D

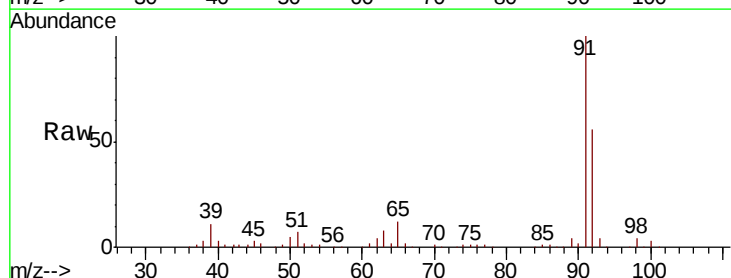
Acq: 6 May 2019 17:04

Tgt Ion: 92 Resp: 193096

Ion Ratio Lower Upper

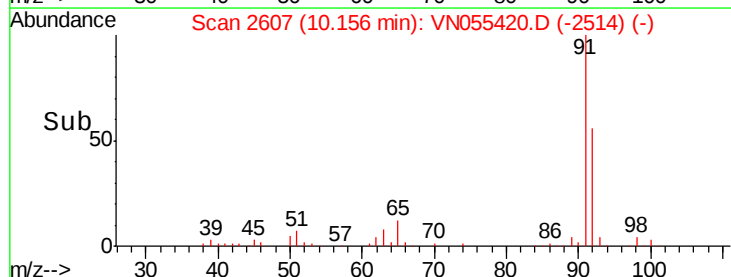
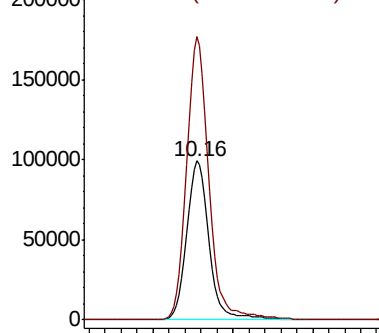
92 100

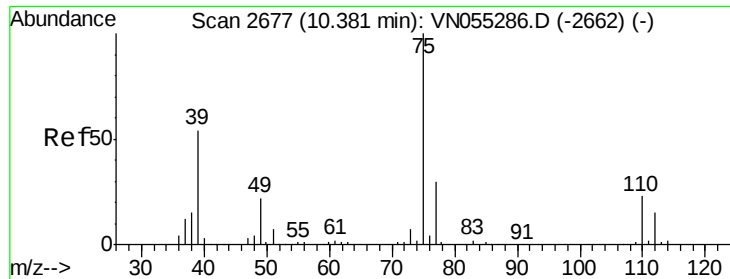
91 177.5 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.558 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

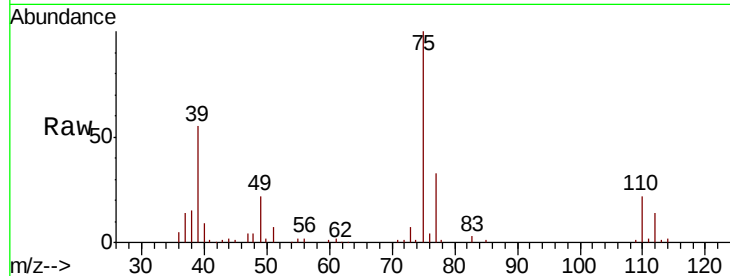
VN0506MBSD01

Tot Ion: 75 Resp: 96097

Ion Ratio Lower Upper

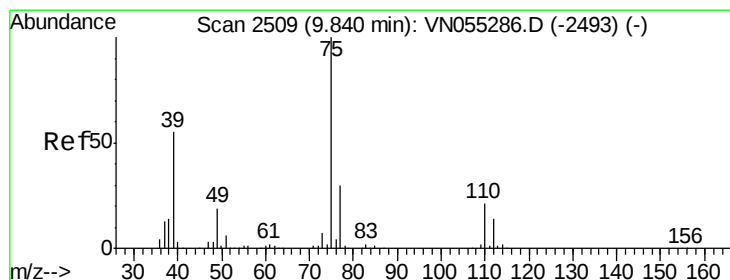
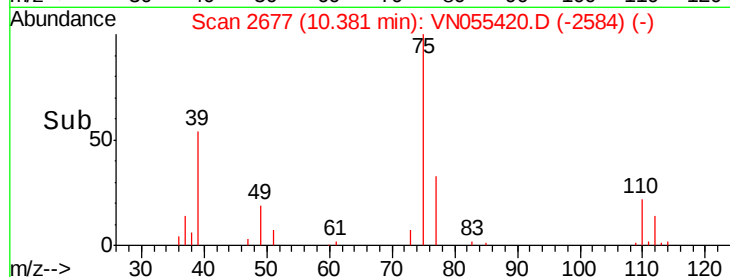
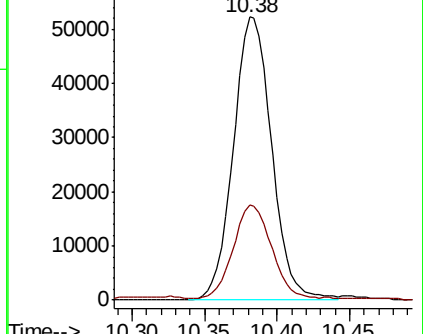
75 100

77 33.0 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.056 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

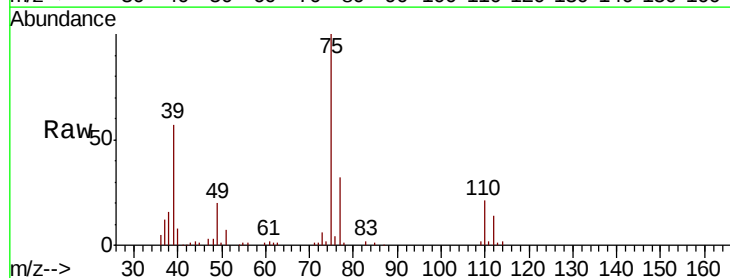
Tgt Ion: 75 Resp: 123030

Ion Ratio Lower Upper

75 100

77 32.4 24.2 36.2

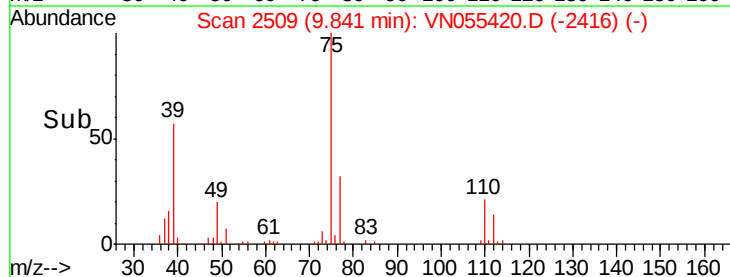
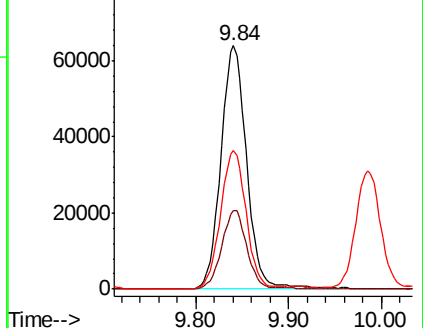
39 56.5 44.2 66.2

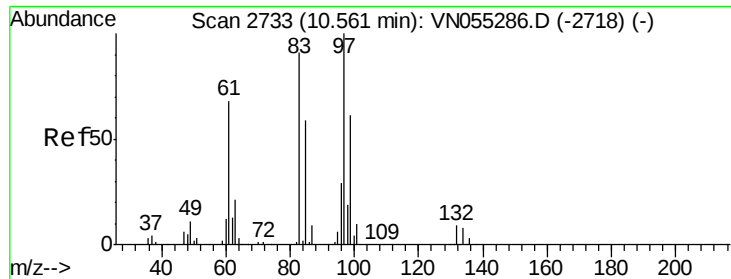


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



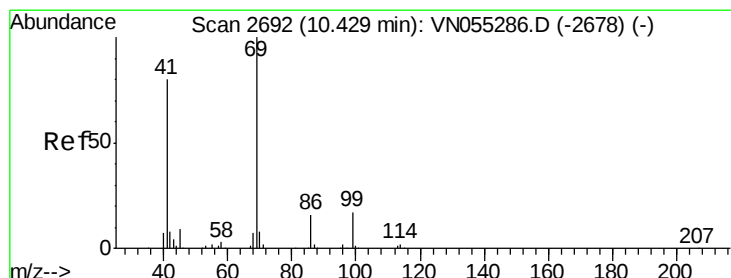
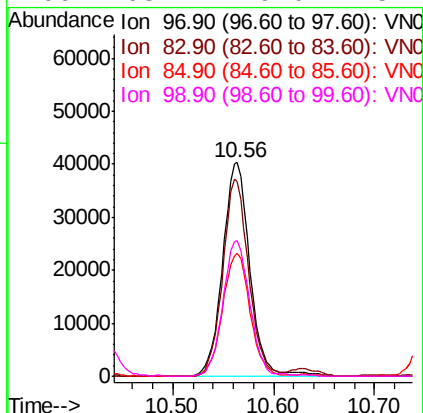
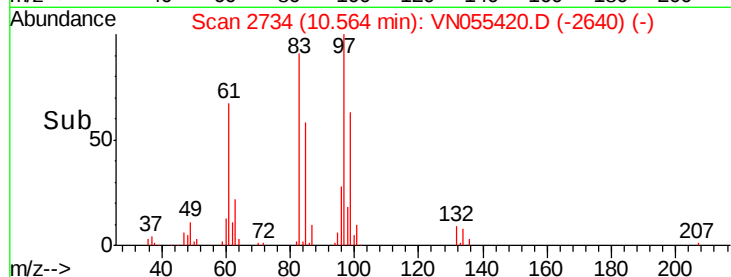
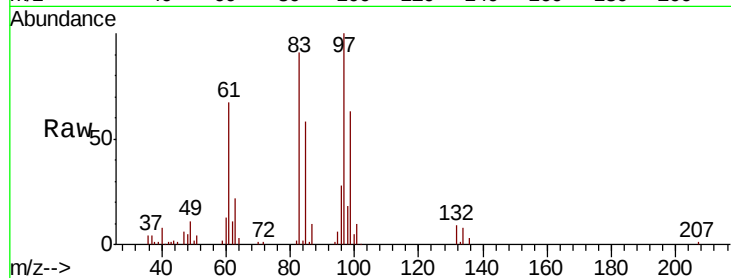


#55
 1,1,2-Trichloroethane
 Concen: 20.250 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion: 97 Resp: 76096

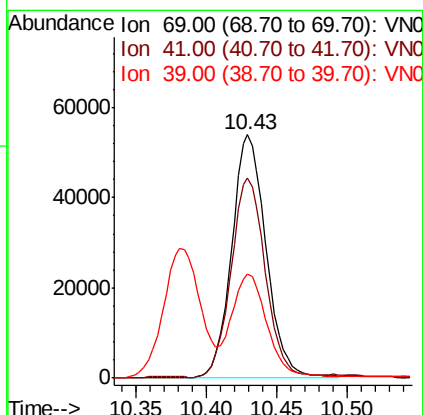
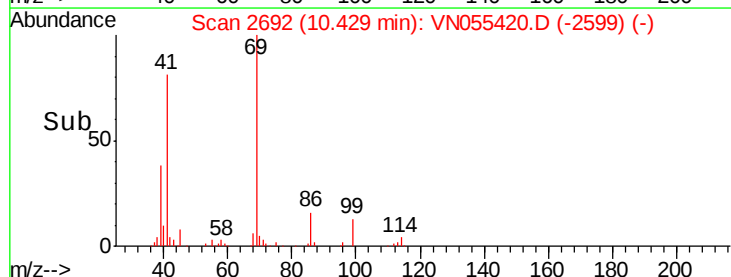
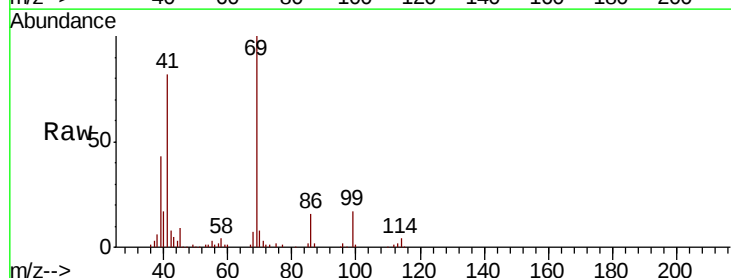
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.8	109.2
85	57.6	47.0	70.6
99	63.4	49.0	73.4

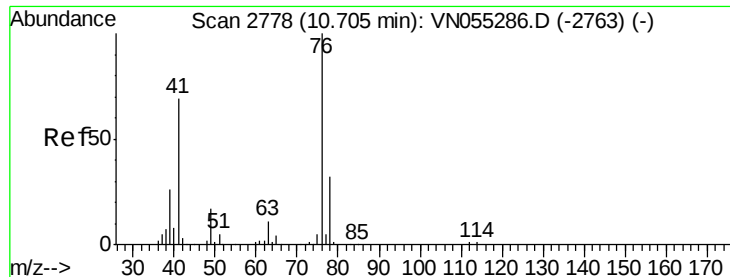


#56
 Ethyl methacrylate
 Concen: 19.982 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 69 Resp: 92424

Ion	Ratio	Lower	Upper
69	100		
41	81.1	62.7	94.1
39	43.9	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.487 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

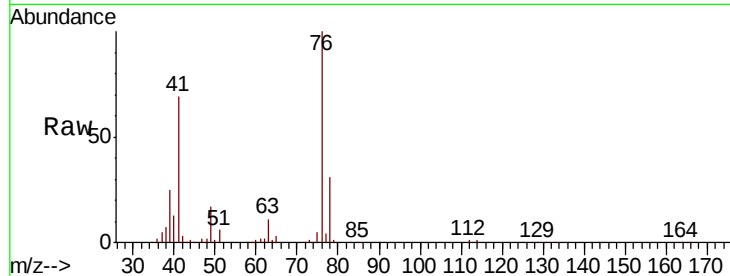
VN0506MBSD01

Tot Ion: 76 Resp: 135053

Ion Ratio Lower Upper

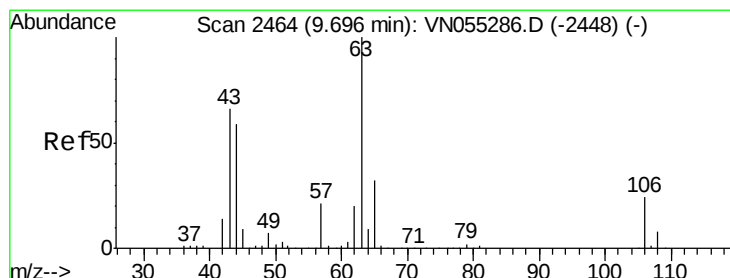
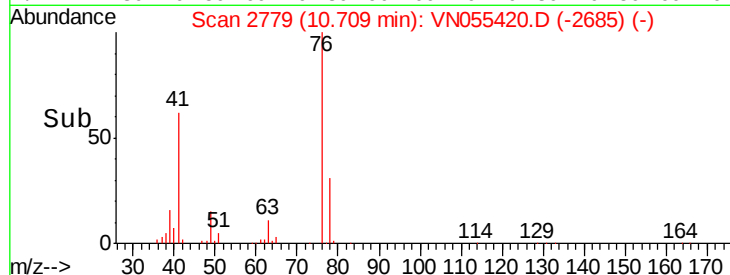
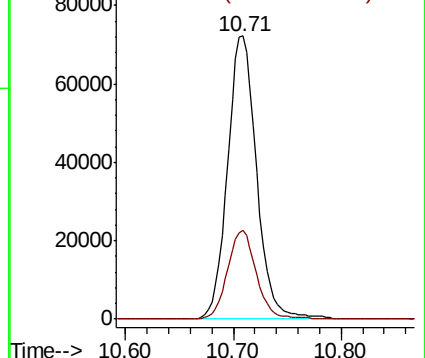
76 100

78 31.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 78.950 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055420.D

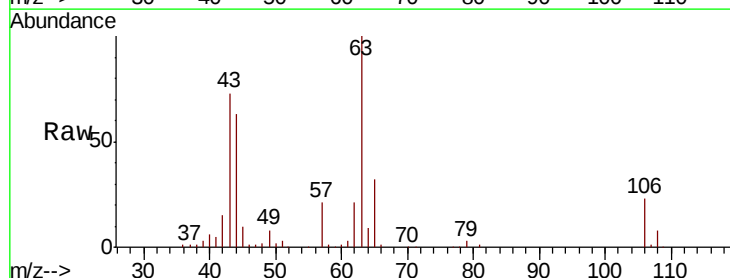
Acq: 6 May 2019 17:04

Tgt Ion: 63 Resp: 100509

Ion Ratio Lower Upper

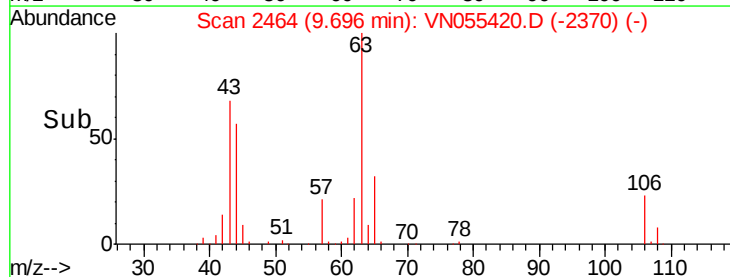
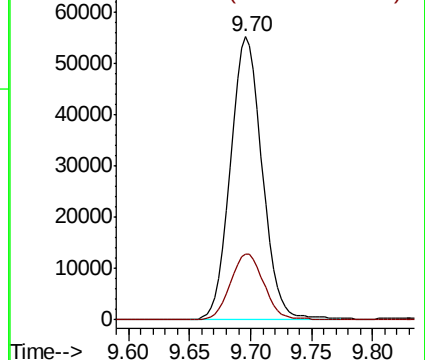
63 100

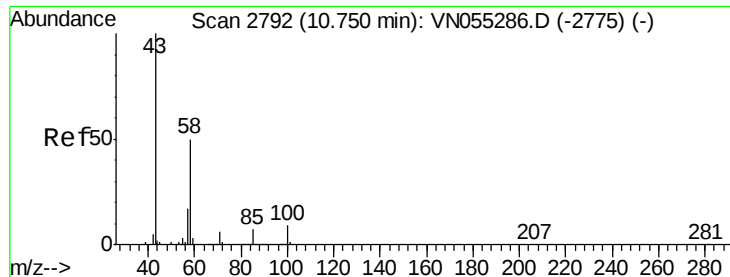
106 24.4 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

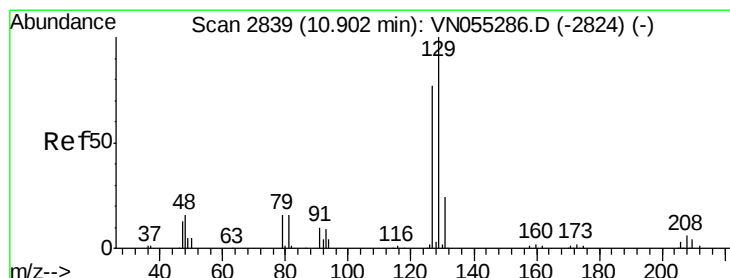
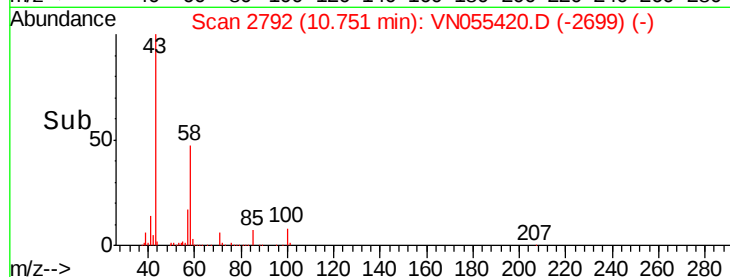
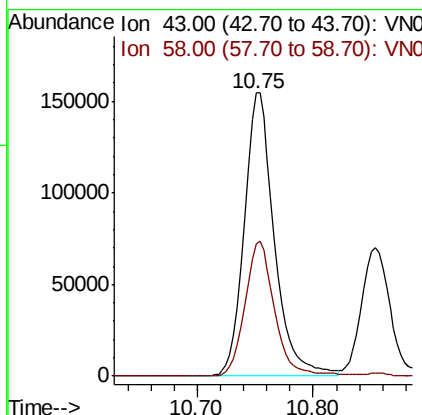
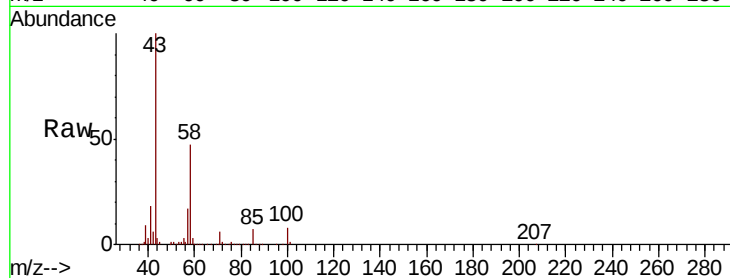




#59
2-Hexanone
Concen: 106.762 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

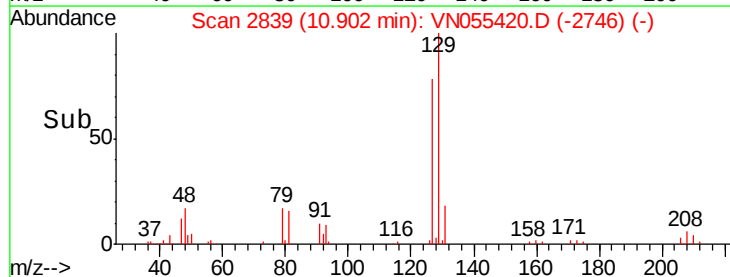
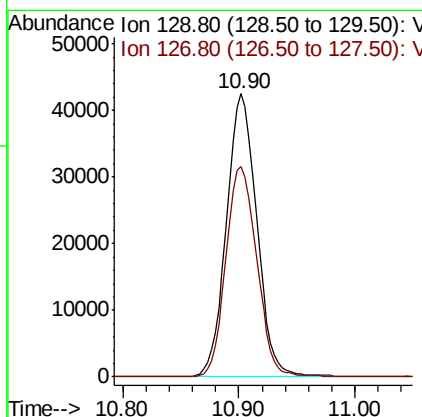
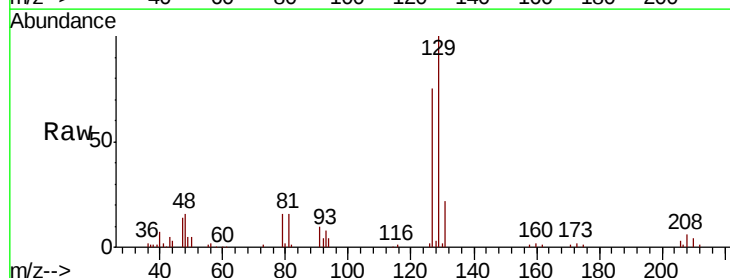
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

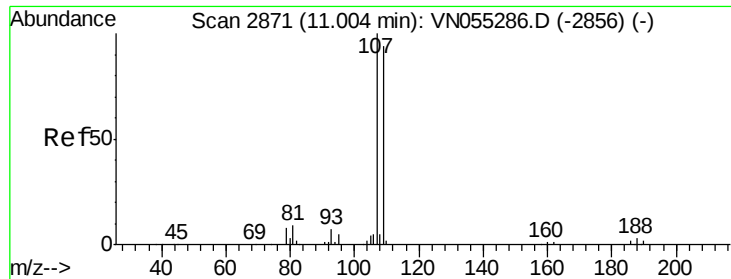
Tot Ion: 43 Resp: 277139
Ion Ratio Lower Upper
43 100
58 47.3 24.9 74.6



#60
Dibromochloromethane
Concen: 20.006 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 129 Resp: 76837
Ion Ratio Lower Upper
129 100
127 75.7 38.1 114.5

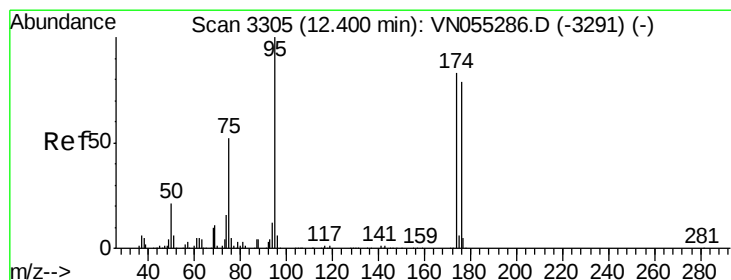
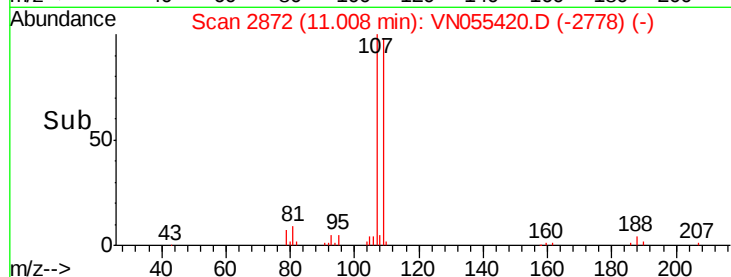
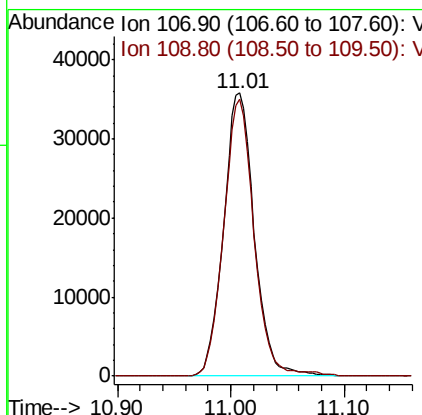
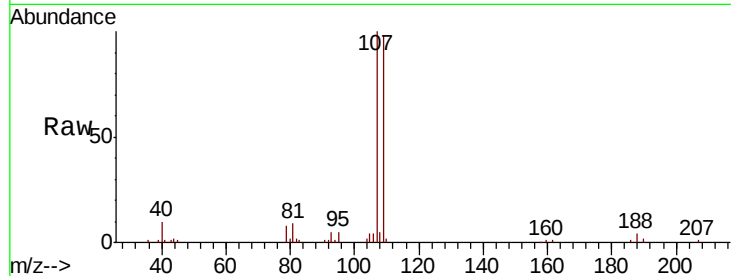




#61
 1,2-Dibromoethane
 Concen: 19.423 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

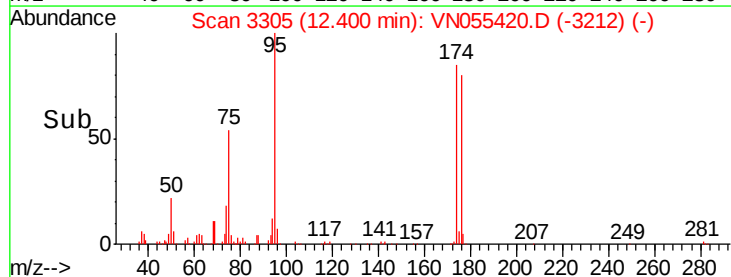
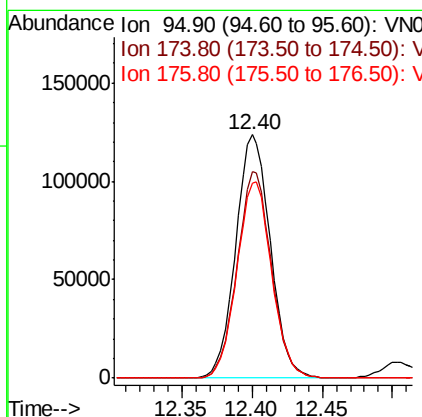
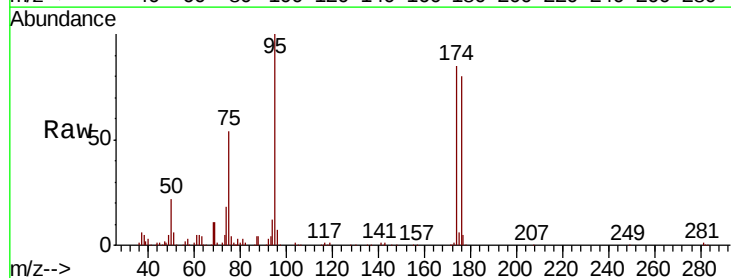
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

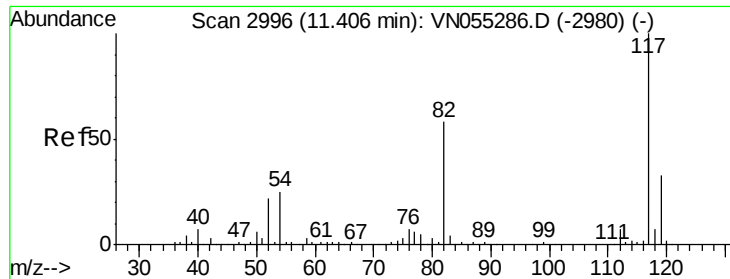
Tot Ion:107 Resp: 67462
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.063 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 95 Resp: 213120
 Ion Ratio Lower Upper
 95 100
 174 83.9 0.0 166.6
 176 81.0 0.0 157.8

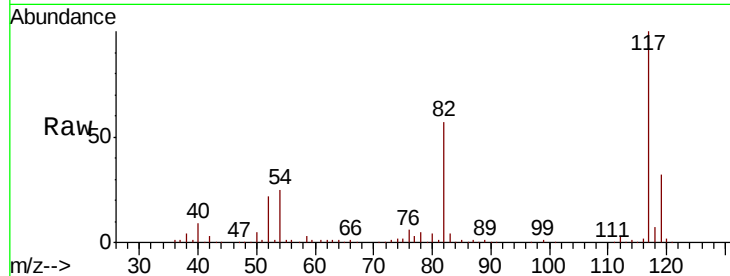




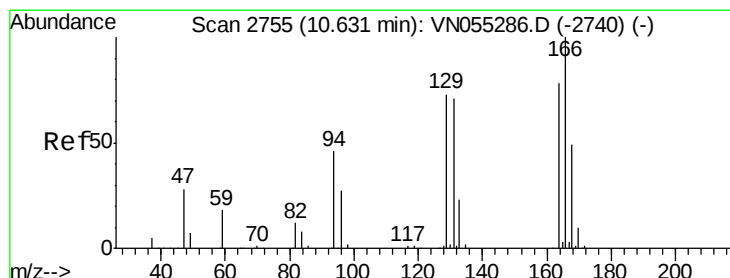
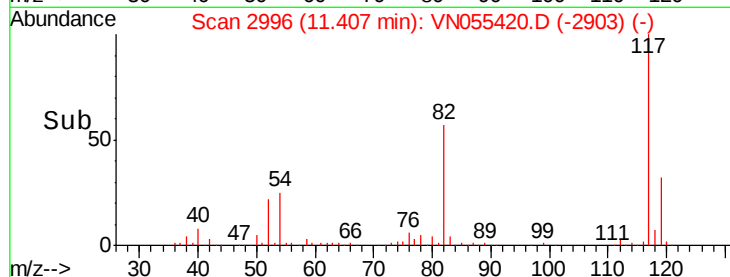
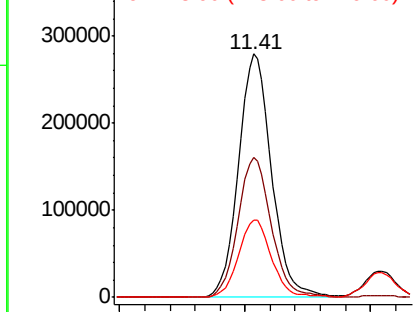
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion:117 Resp: 510827
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 32.0 26.6 40.0

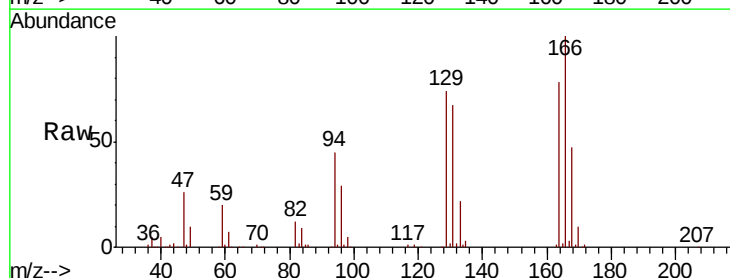


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

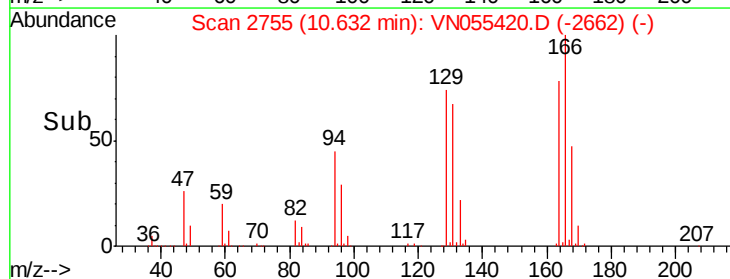
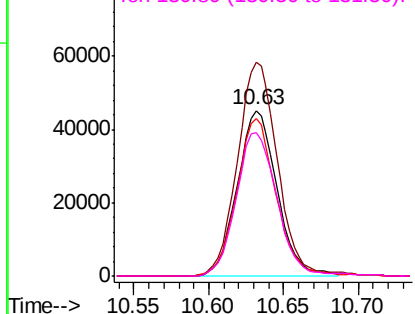


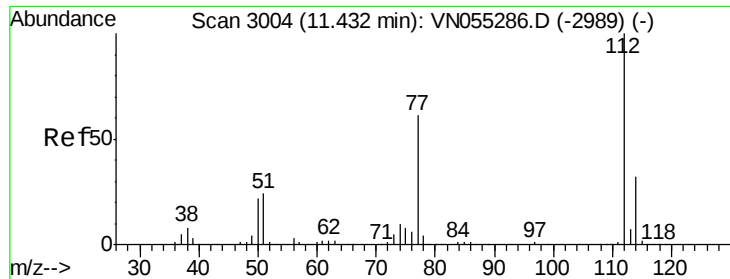
#64
Tetrachloroethene
Concen: 19.951 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion:164 Resp: 83344
Ion Ratio Lower Upper
164 100
166 128.9 102.3 153.5
129 95.2 75.0 112.6
131 86.7 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

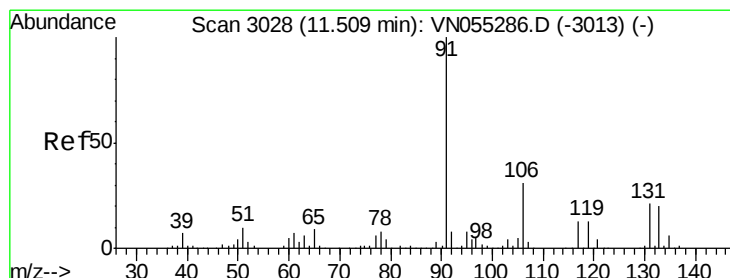
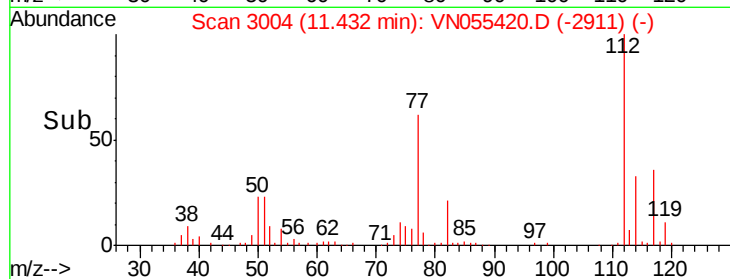
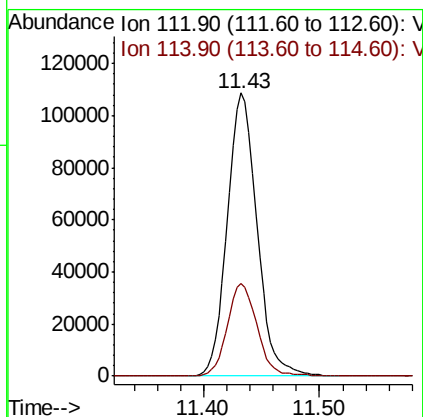
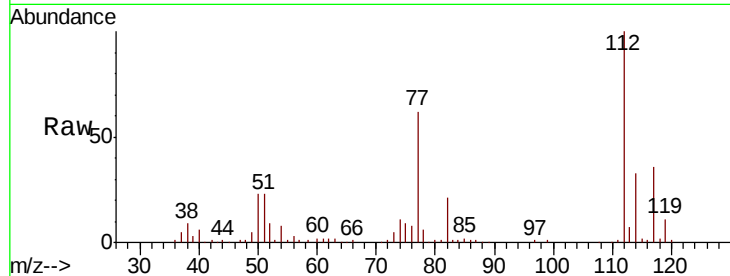




#65
Chlorobenzene
Concen: 19.272 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

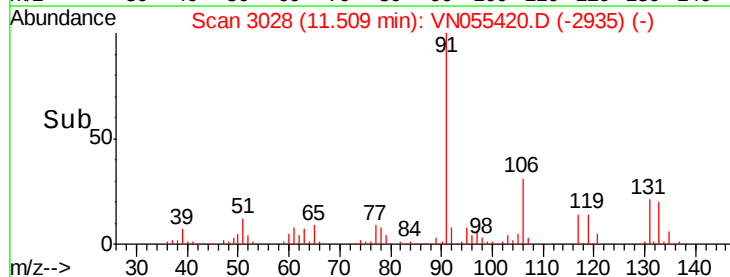
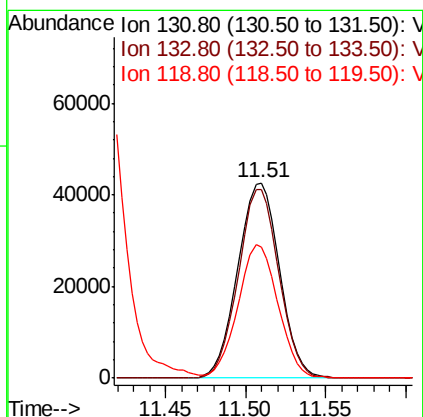
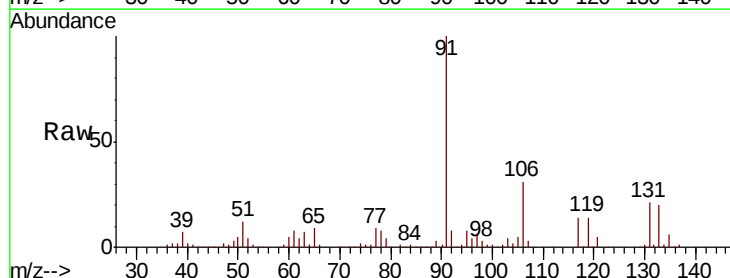
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion:112 Resp: 192475
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.355 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion:131 Resp: 75691
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 65.8 32.7 98.1

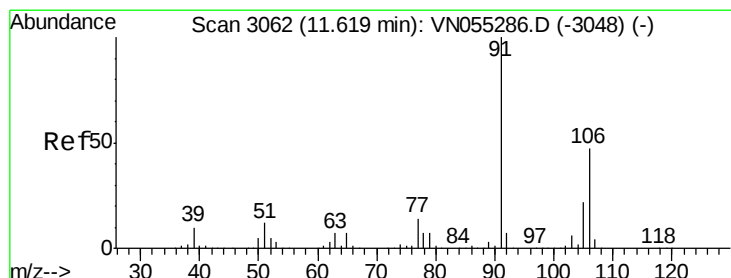
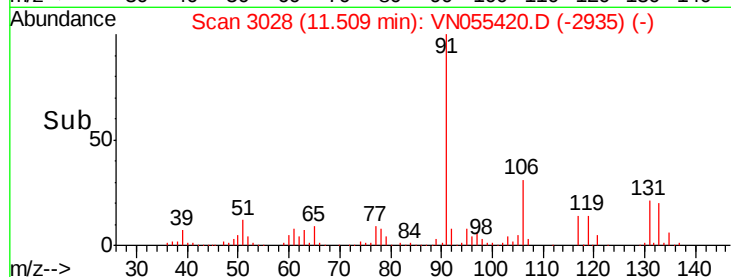
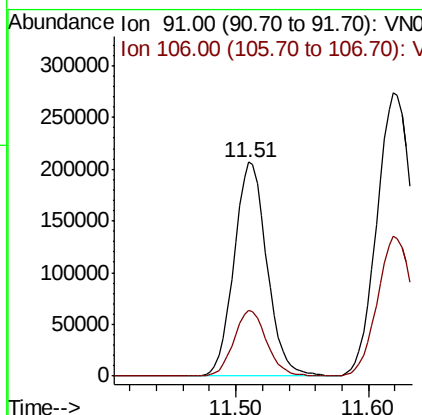
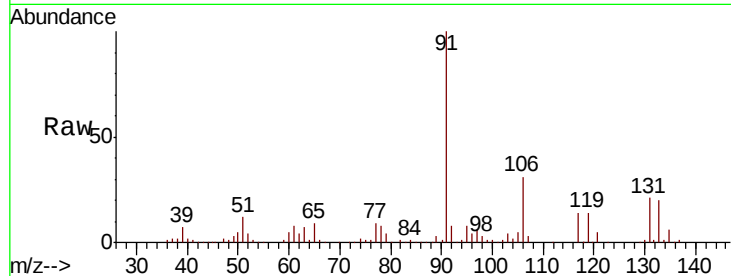




#67
Ethyl Benzene
Concen: 19.729 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

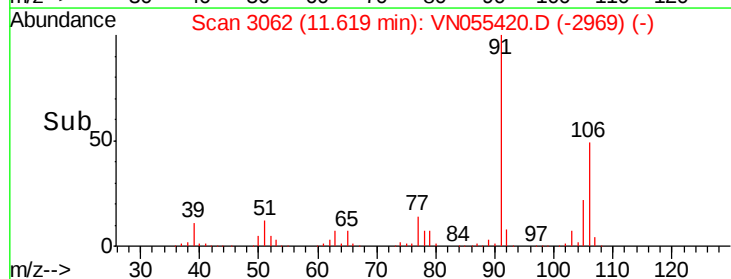
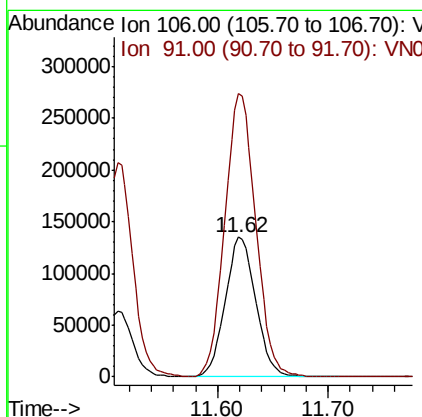
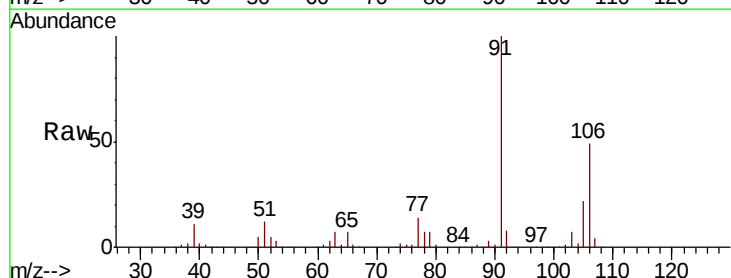
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

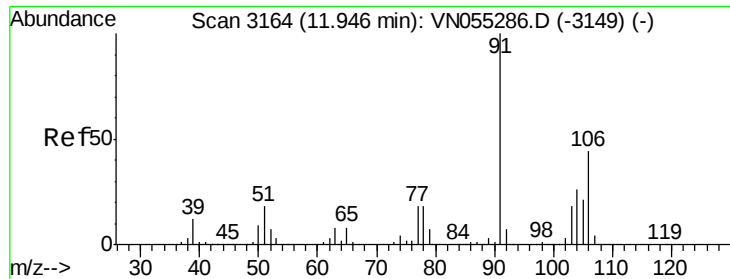
Tot Ion: 91 Resp: 355809
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8



#68
m/p-Xylenes
Concen: 40.297 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 106 Resp: 259415
Ion Ratio Lower Upper
106 100
91 204.9 169.5 254.3

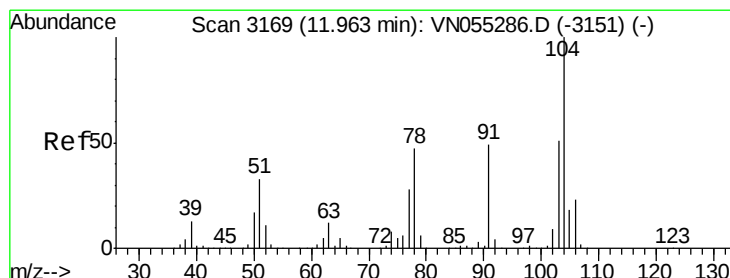
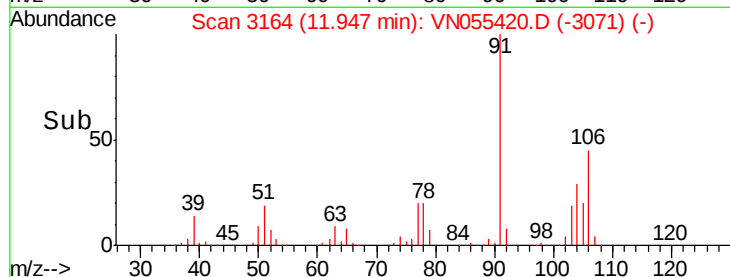
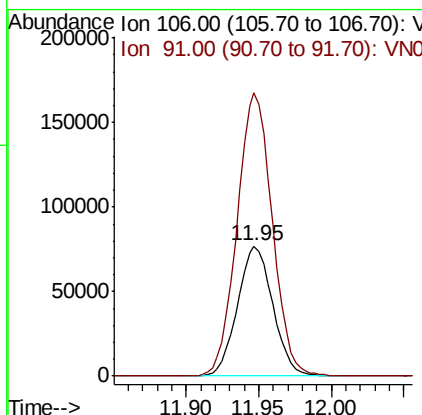
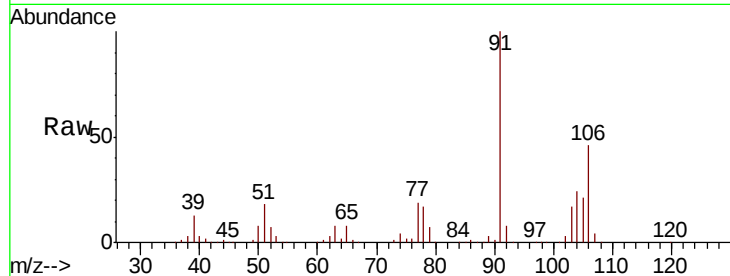




#69
o-Xylene
Concen: 20.427 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

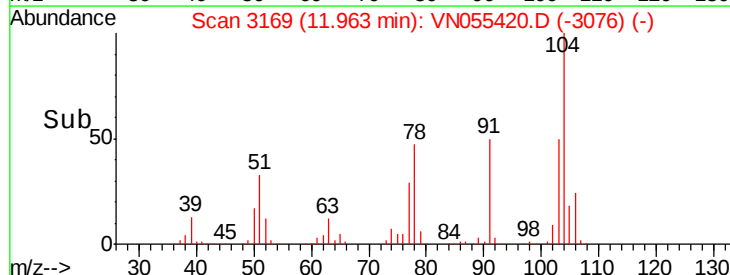
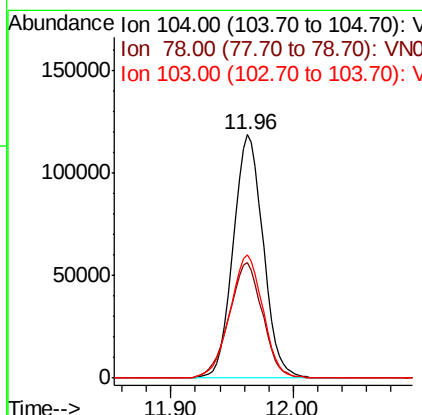
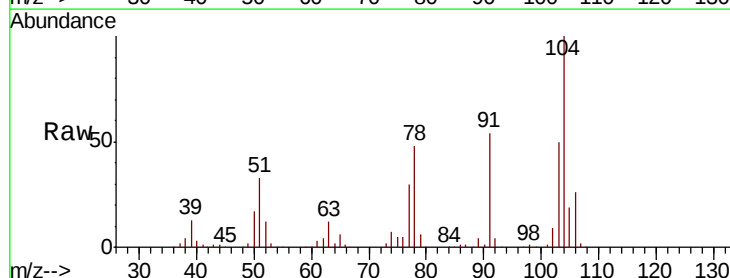
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

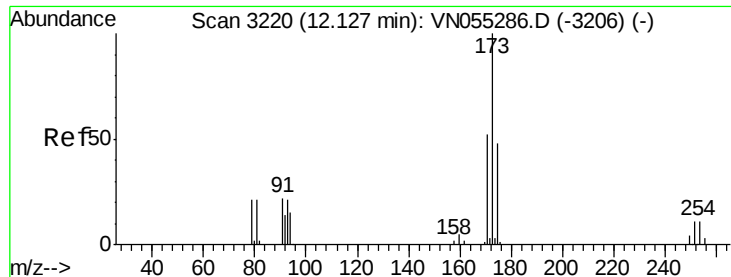
Tot Ion:106 Resp: 130337
Ion Ratio Lower Upper
106 100
91 217.0 111.5 334.5



#70
Styrene
Concen: 20.701 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion:104 Resp: 202803
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.2
103 55.9 44.6 67.0

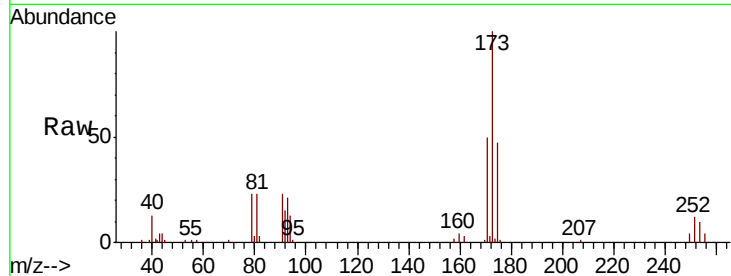




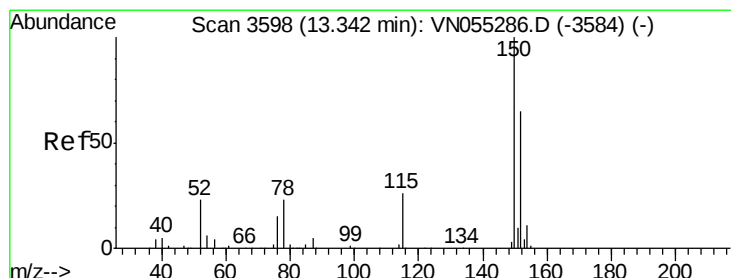
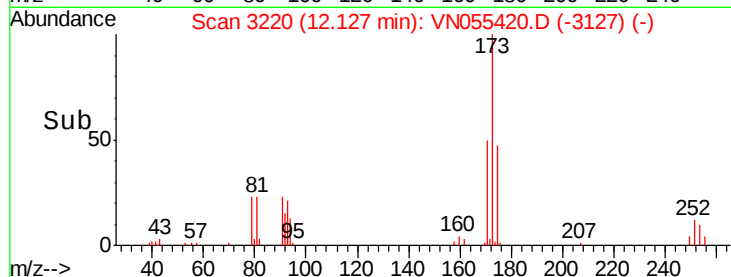
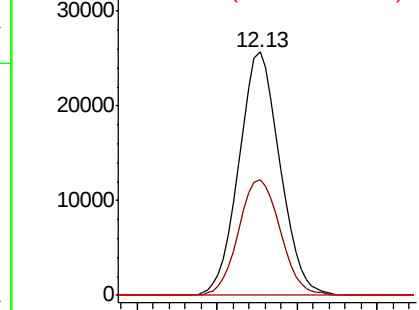
#71
Bromoform
Concen: 20.657 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion:173 Resp: 44826
Ion Ratio Lower Upper
173 100
175 48.4 23.6 71.0
254 0.0 0.0 0.0

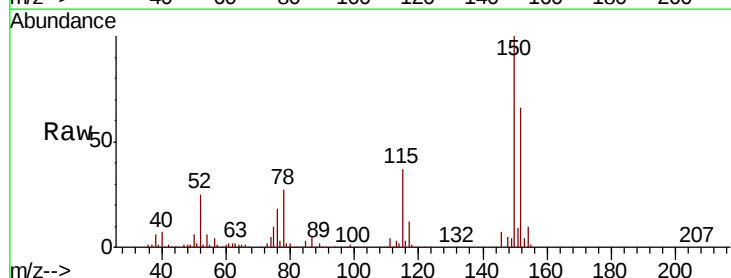


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

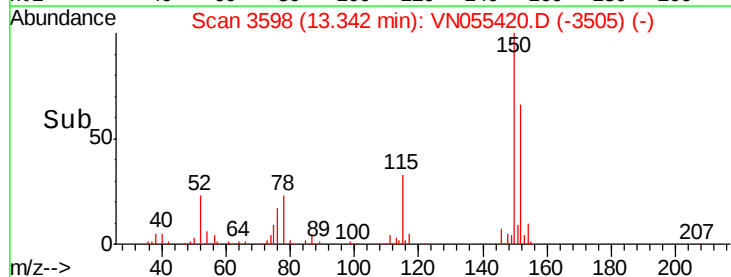
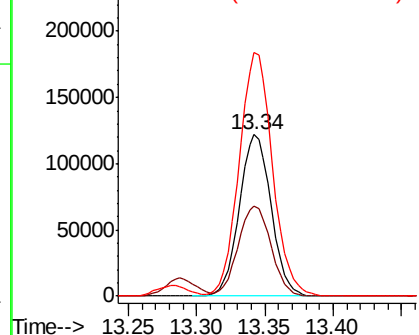


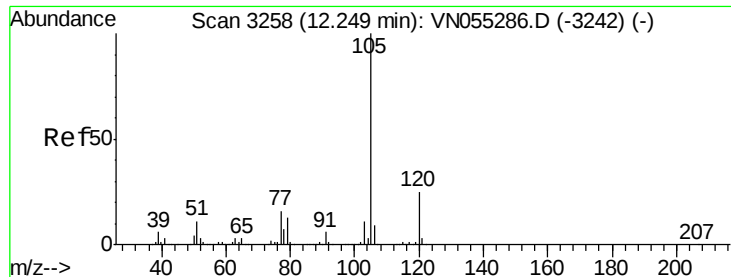
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion:152 Resp: 197424
Ion Ratio Lower Upper
152 100
115 57.7 29.0 87.0
150 158.1 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.301 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

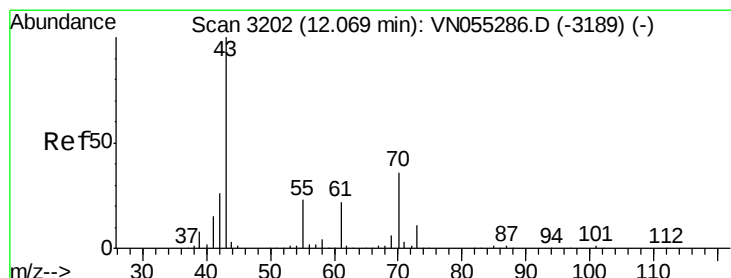
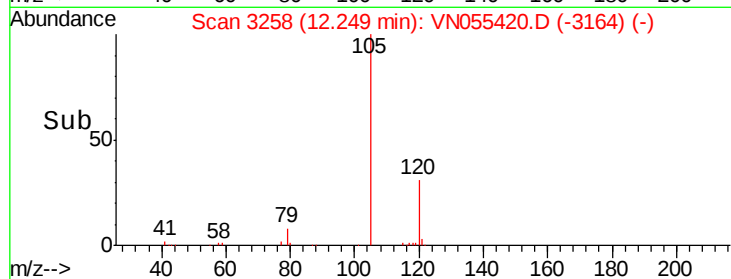
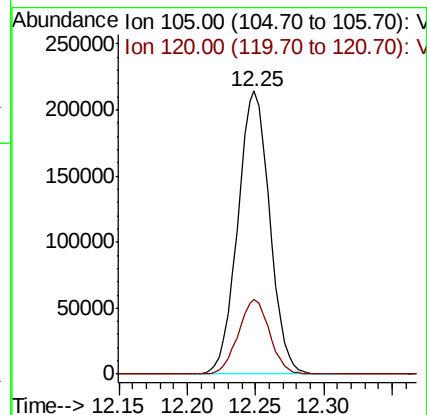
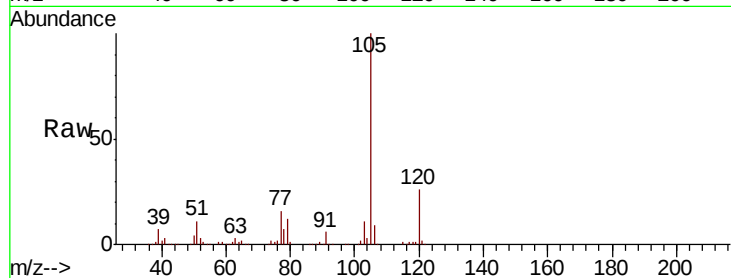
VN0506MBSD01

Tot Ion:105 Resp: 348404

Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7



#74

N-ethyl acetate

Concen: 19.436 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion: 43 Resp: 98477

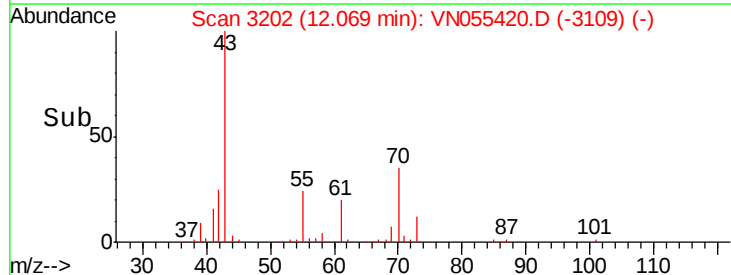
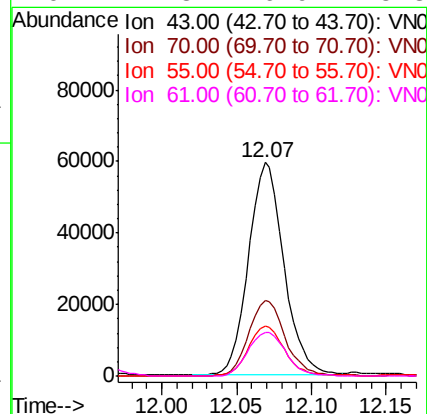
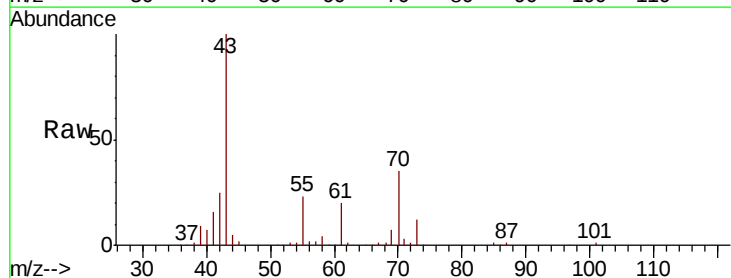
Ion Ratio Lower Upper

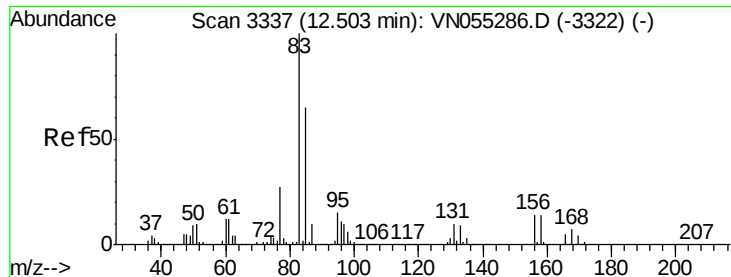
43 100

70 36.2 27.9 41.9

55 24.4 18.2 27.2

61 21.8 16.9 25.3

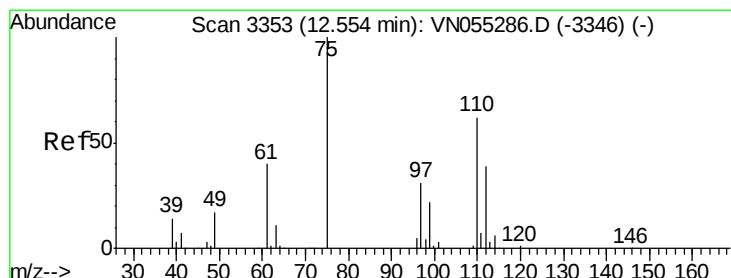
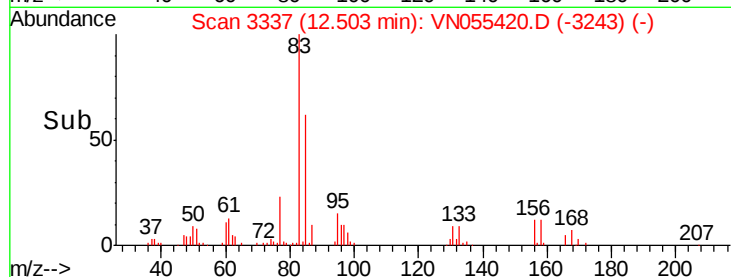
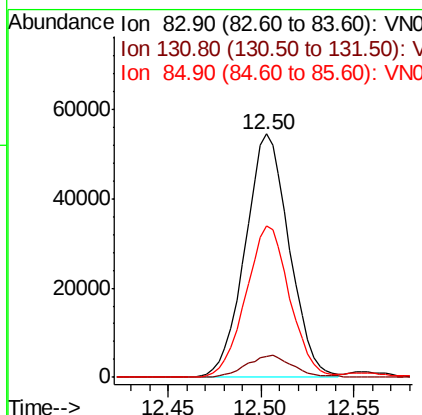
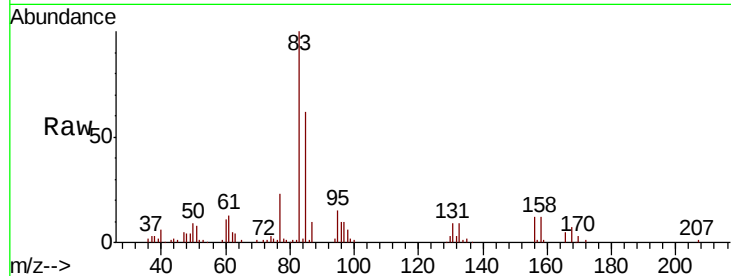




#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.234 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

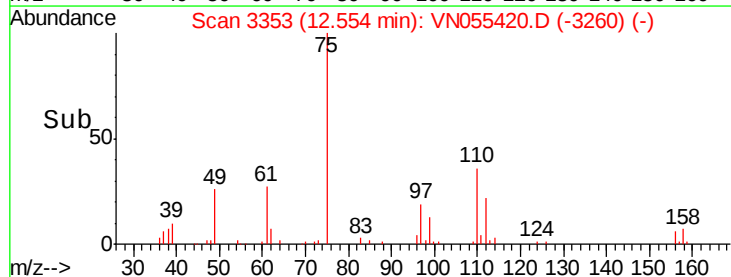
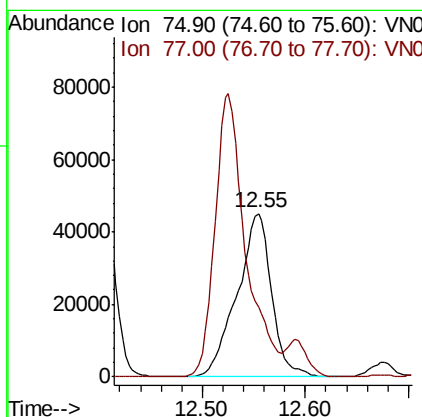
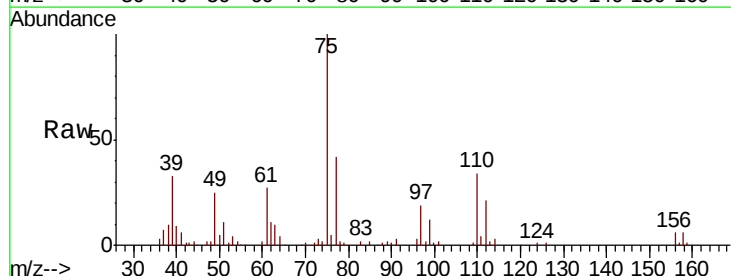
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

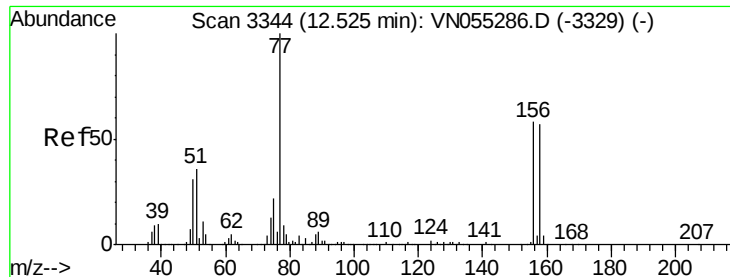
Tot Ion	83	Resp	90217
Ion Ratio	100		
Lower	5.1		
Upper	15.2		
85	62.1	32.3	96.8



#76
 1,2,3-Trichloropropane
 Concen: 27.406 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion	75	Resp	104743
Ion Ratio	100		
Lower	0.0		
Upper	0.0		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.850 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

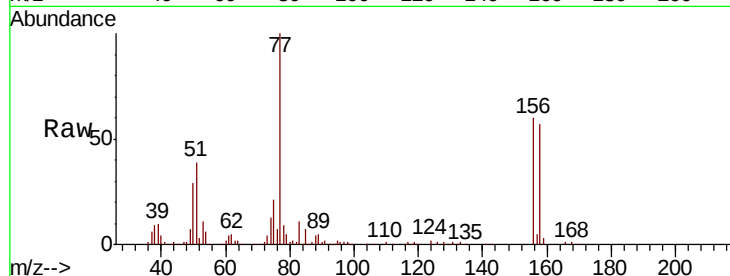
Tot Ion:156 Resp: 79766

Ion Ratio Lower Upper

156 100

77 202.7 99.6 298.8

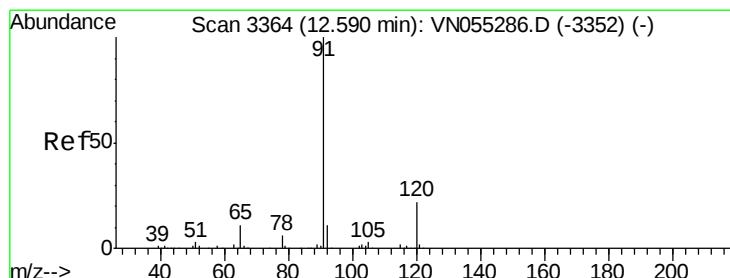
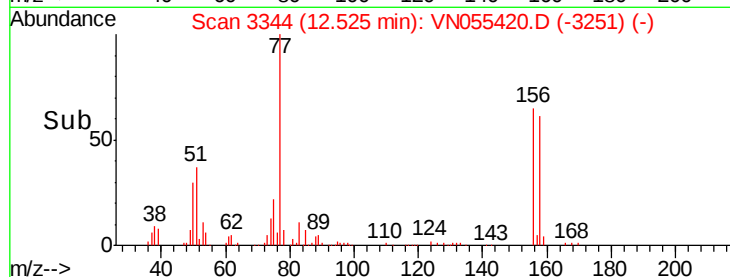
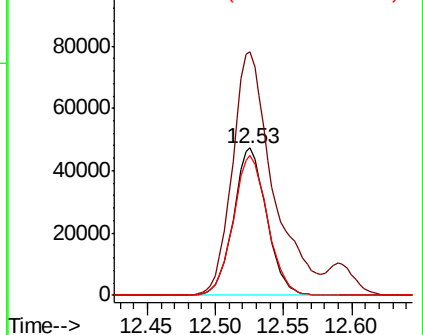
158 97.8 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.426 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055420.D

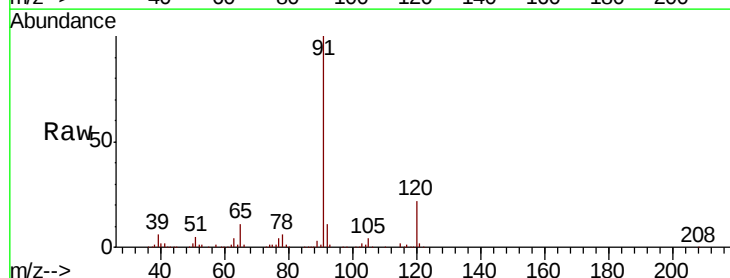
Acq: 6 May 2019 17:04

Tgt Ion: 91 Resp: 373673

Ion Ratio Lower Upper

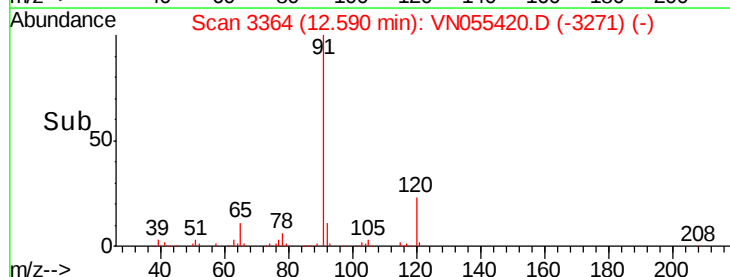
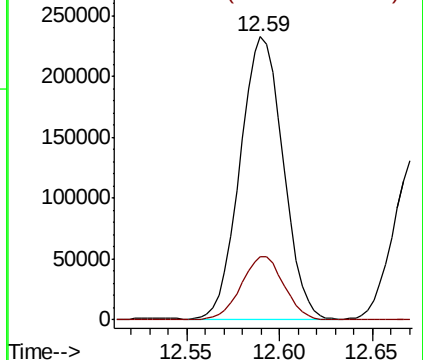
91 100

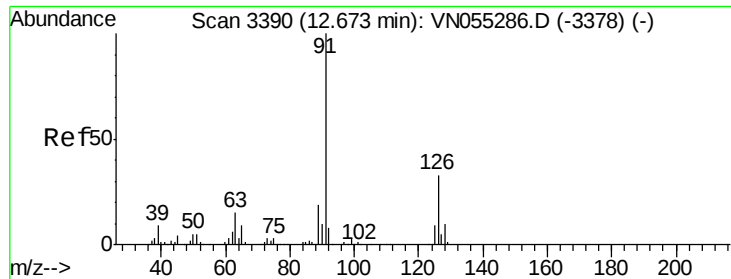
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

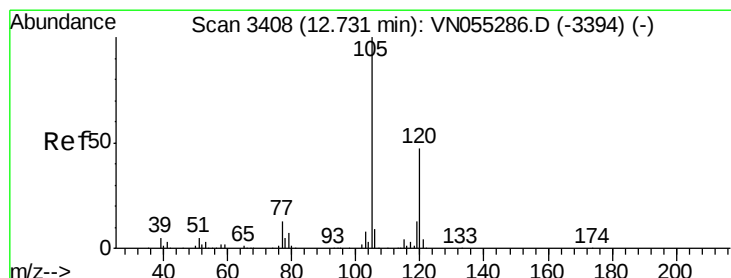
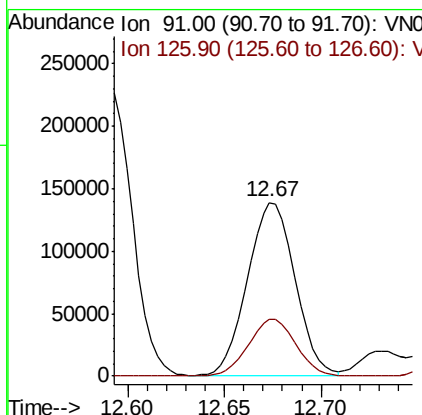
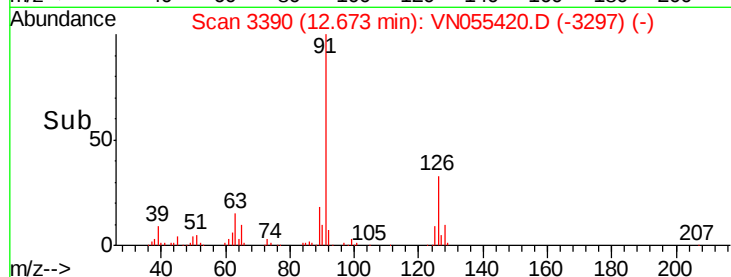
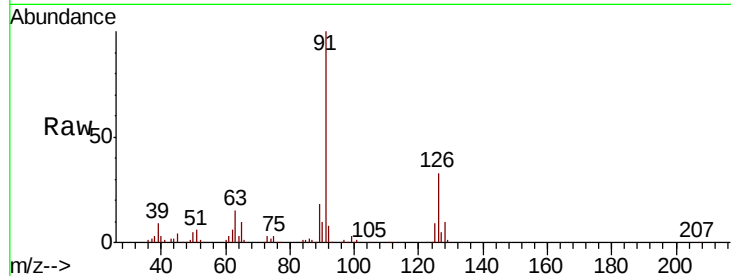




#79
 2-Chlorotoluene
 Concen: 20.616 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

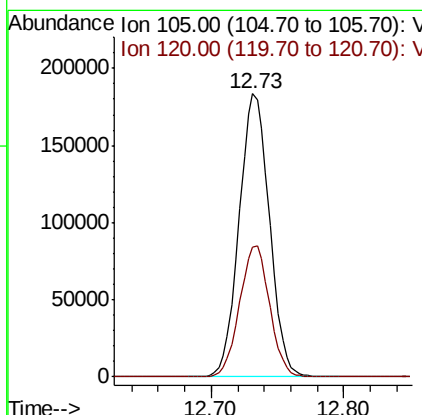
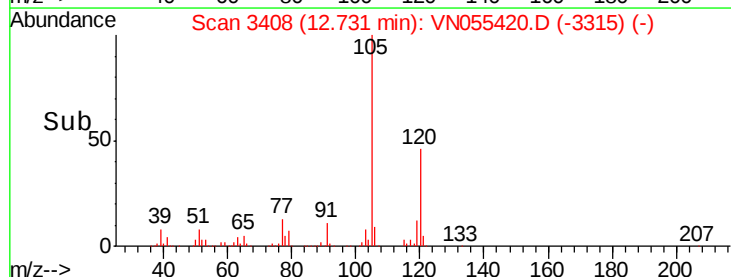
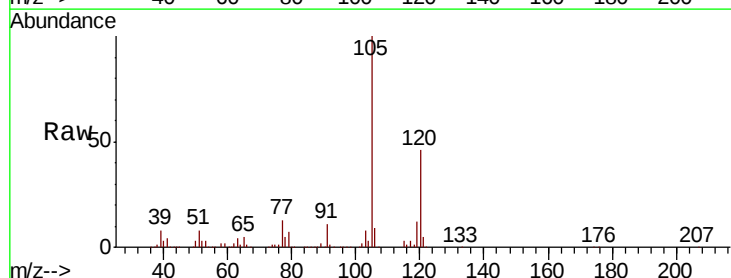
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

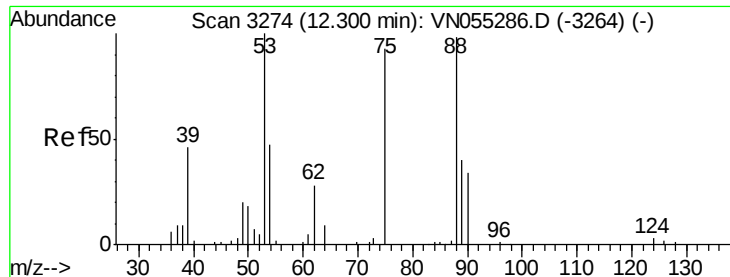
Tot Ion: 91 Resp: 237325
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 18.760 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 105 Resp: 290359
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.974 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

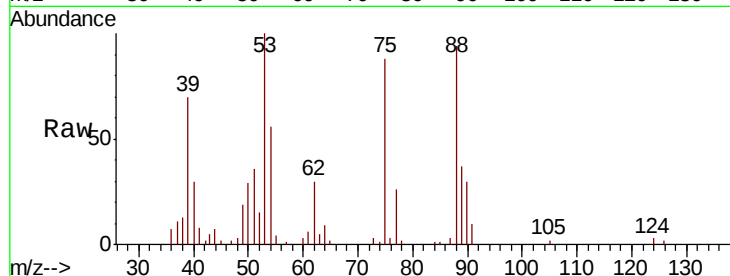
Tot Ion: 75 Resp: 18725

Ion Ratio Lower Upper

75 100

53 122.6 86.3 129.5

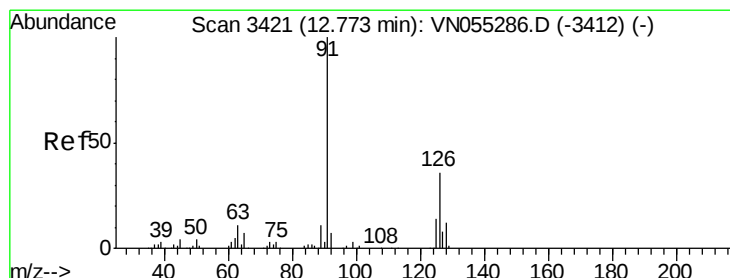
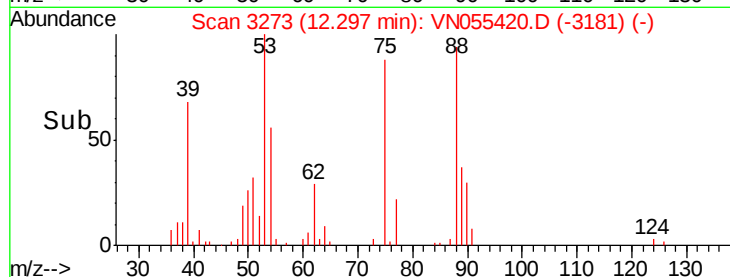
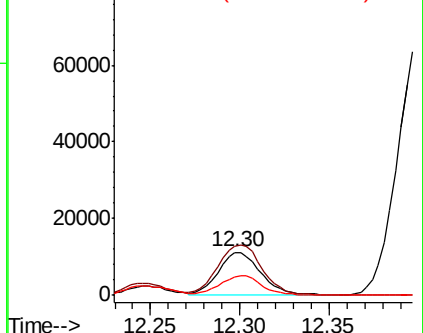
89 44.6 34.6 51.8



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055286.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055286.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 18.495 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055420.D

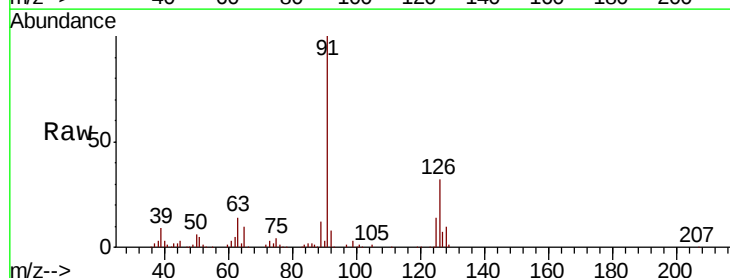
Acq: 6 May 2019 17:04

Tgt Ion: 91 Resp: 218074

Ion Ratio Lower Upper

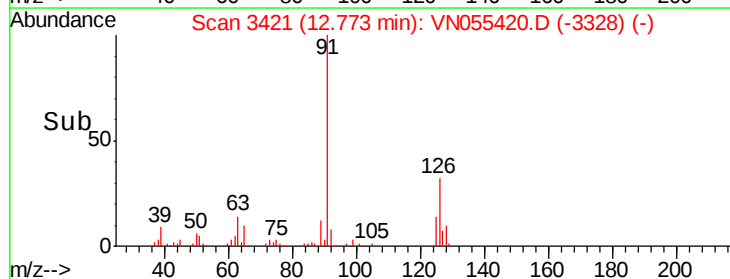
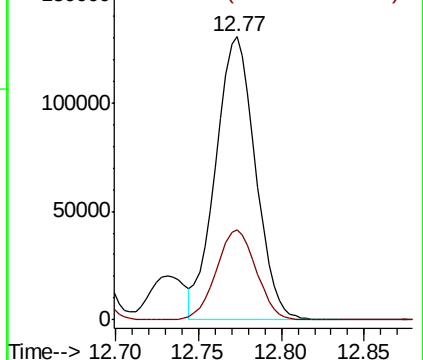
91 100

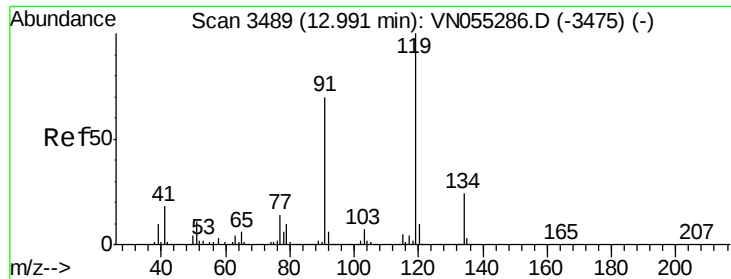
126 31.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3412) (-)

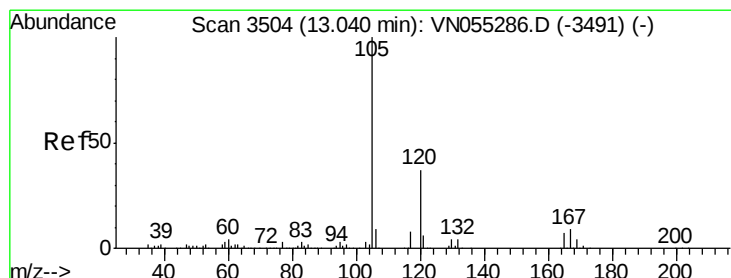
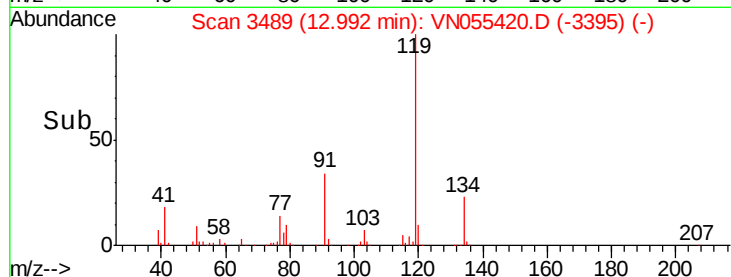
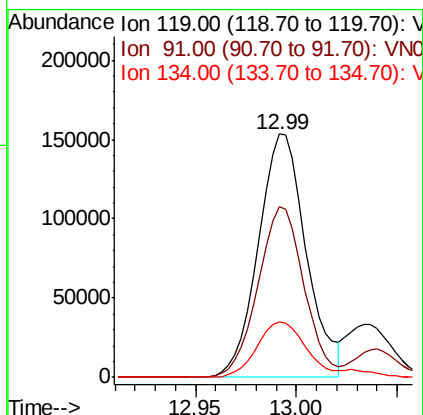
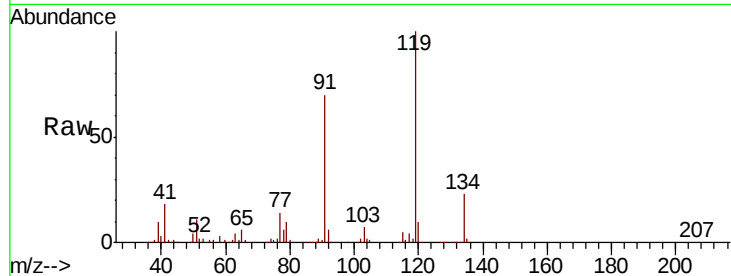




#83
tert-Butylbenzene
Concen: 21.564 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

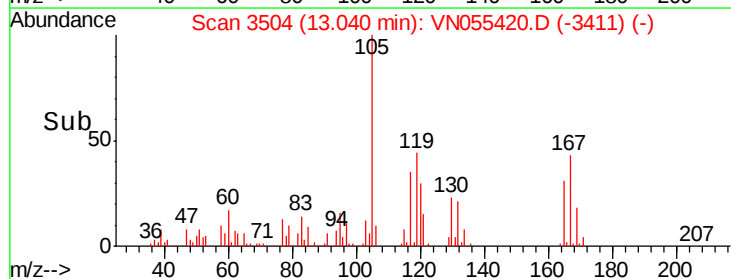
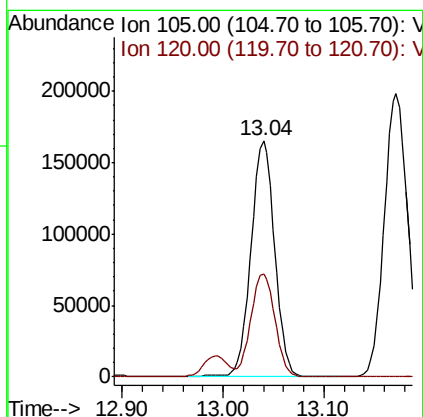
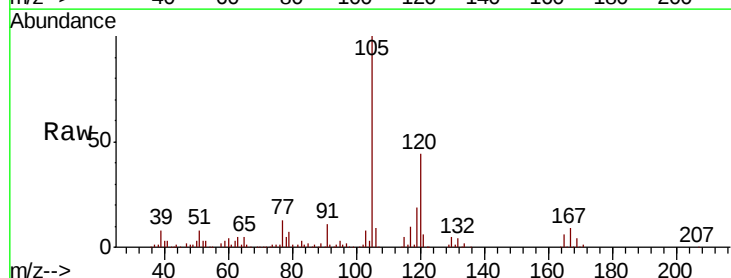
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

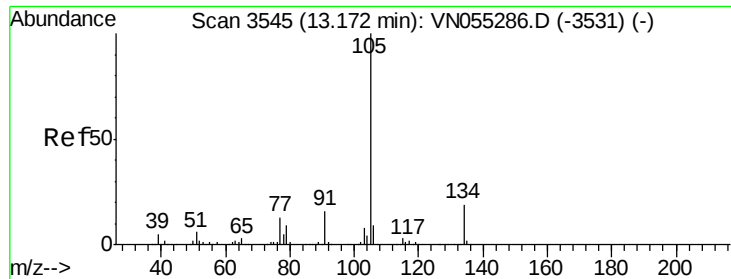
Tot Ion:119 Resp: 254369
Ion Ratio Lower Upper
119 100
91 67.3 34.3 102.9
134 23.2 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 19.296 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion:105 Resp: 267094
Ion Ratio Lower Upper
105 100
120 44.5 22.1 66.5





#85

sec-Butylbenzene

Concen: 18.994 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

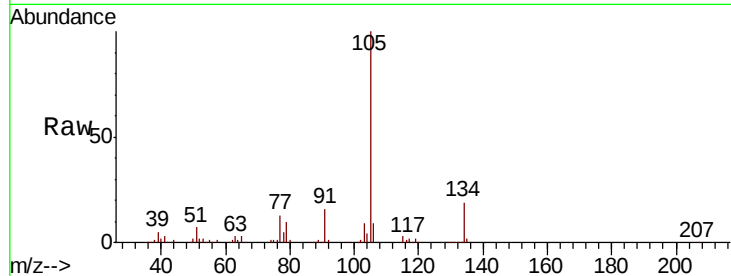
VN0506MBSD01

Tot Ion:105 Resp: 319531

Ion Ratio Lower Upper

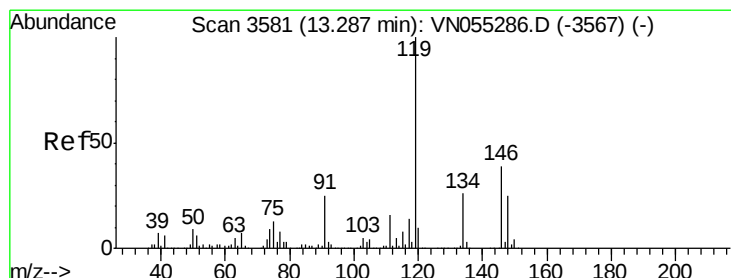
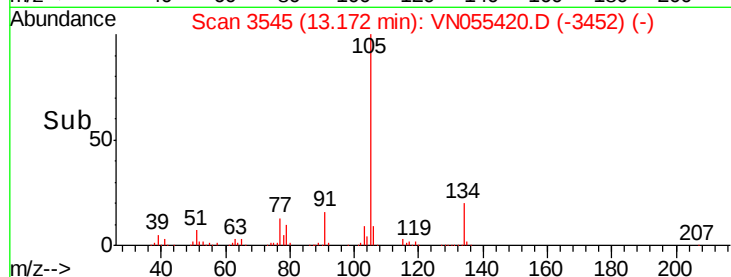
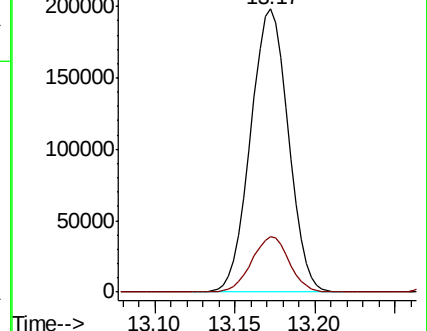
105 100

134 19.4 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.425 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

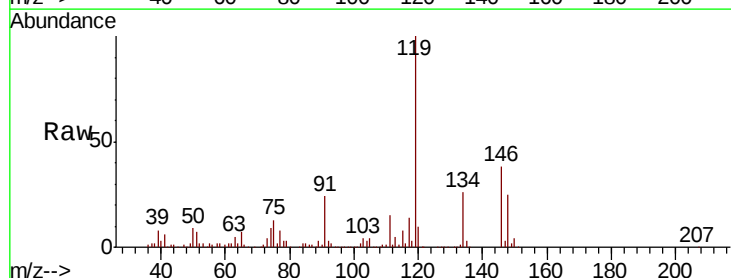
Tgt Ion:119 Resp: 268583

Ion Ratio Lower Upper

119 100

134 26.7 13.0 38.9

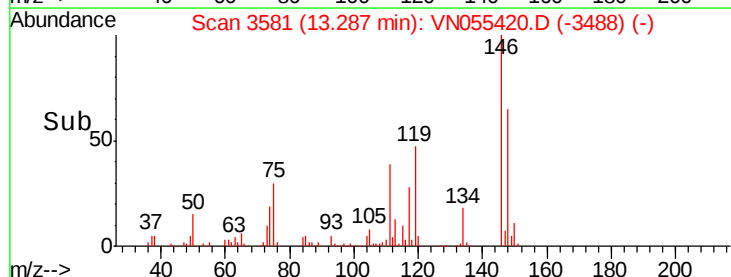
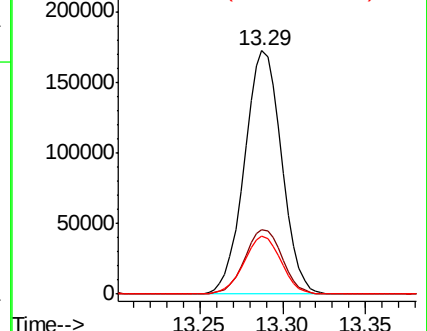
91 23.9 12.2 36.6

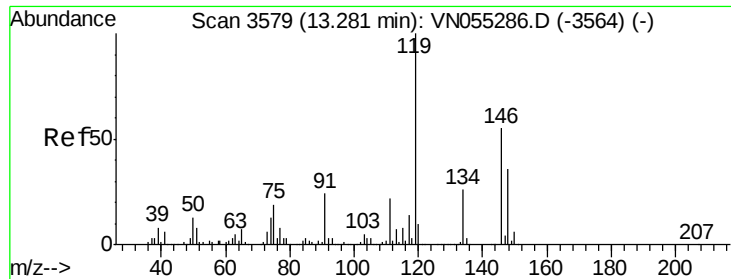


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

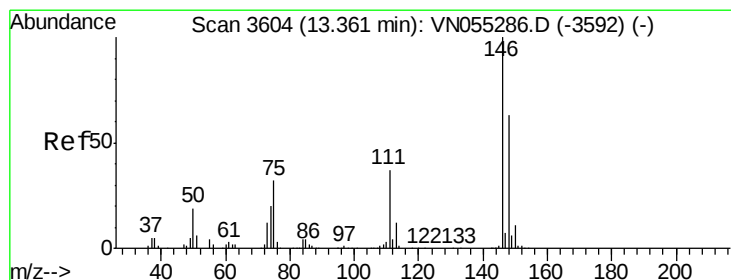
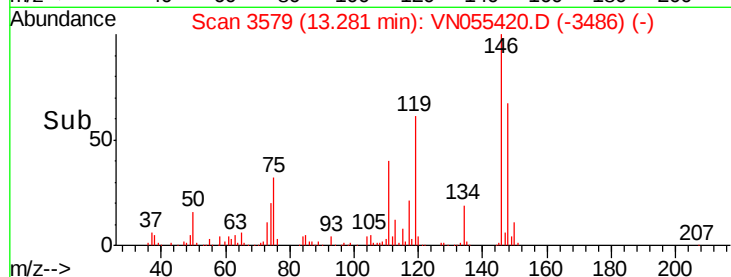
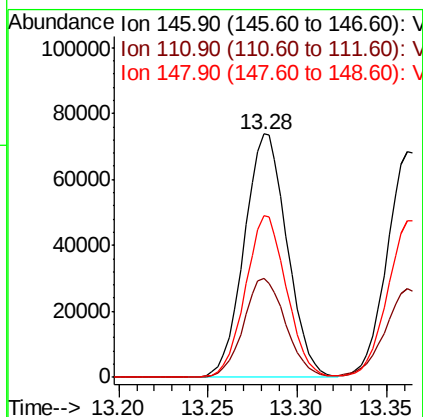
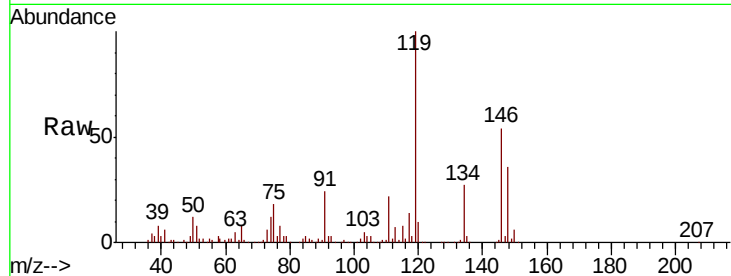




#87
 1,3-Dichlorobenzene
 Concen: 18.773 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

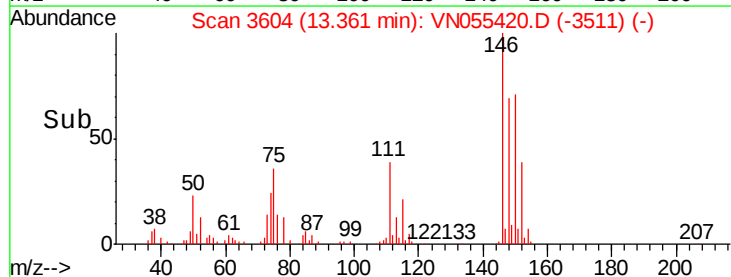
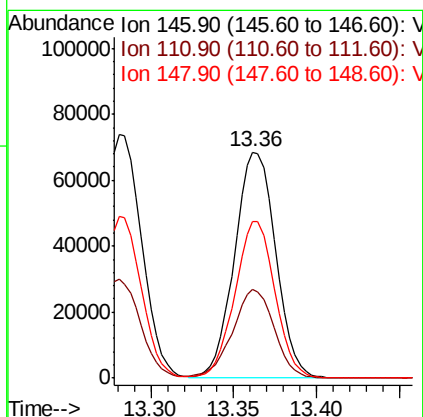
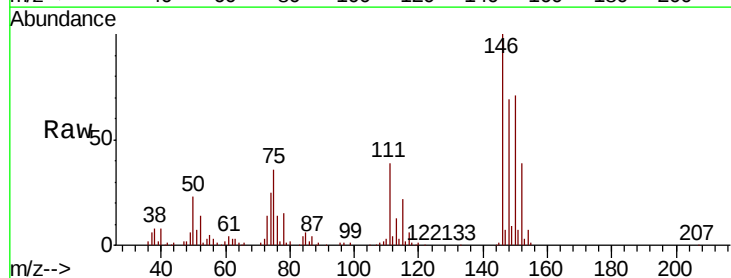
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

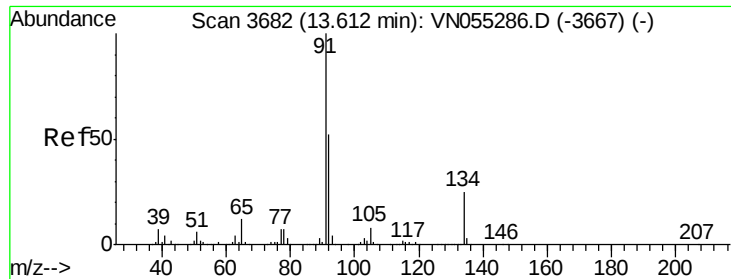
Tot Ion:146 Resp: 124018
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.3 60.8
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.076 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion:146 Resp: 118678
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.5 58.5
 148 67.2 32.5 97.4

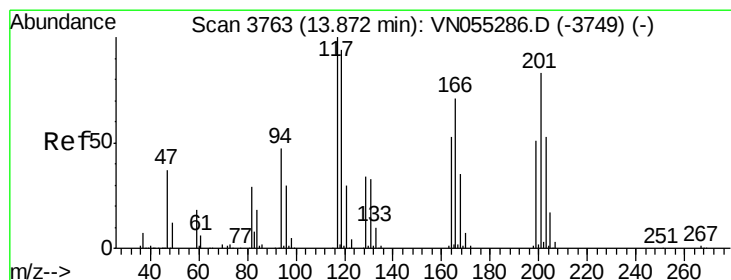
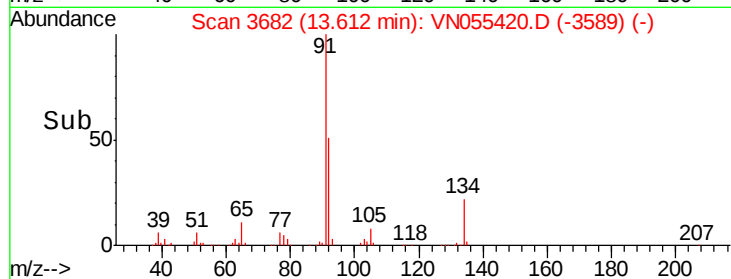
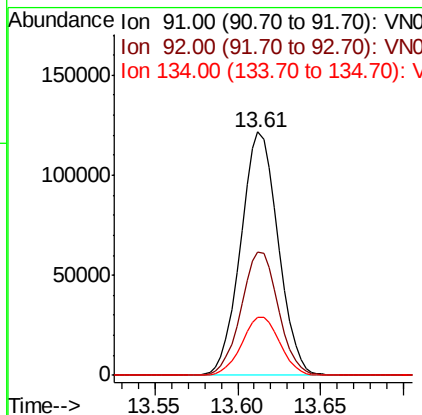
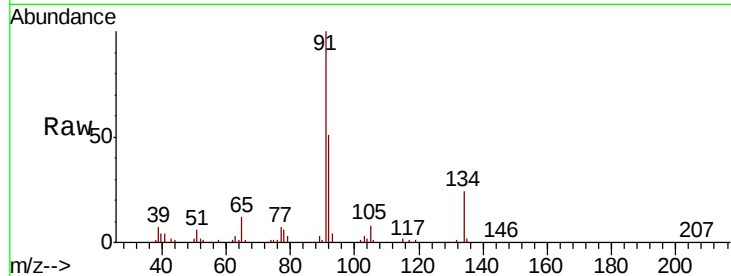




#89
n-Butylbenzene
Concen: 19.419 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

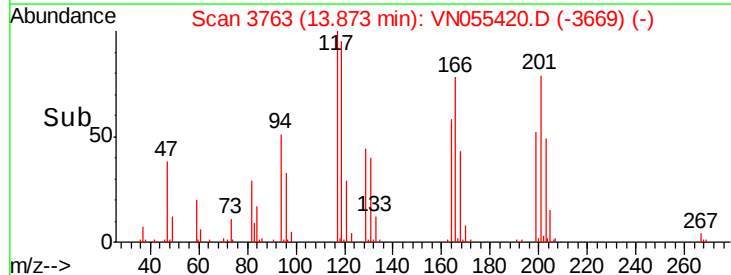
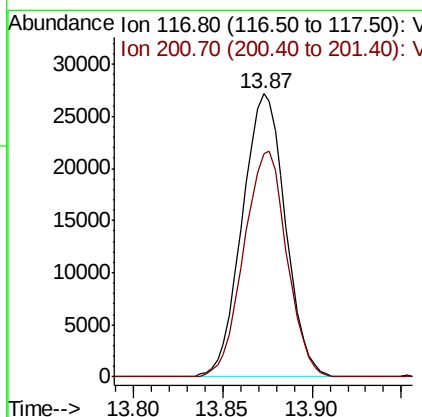
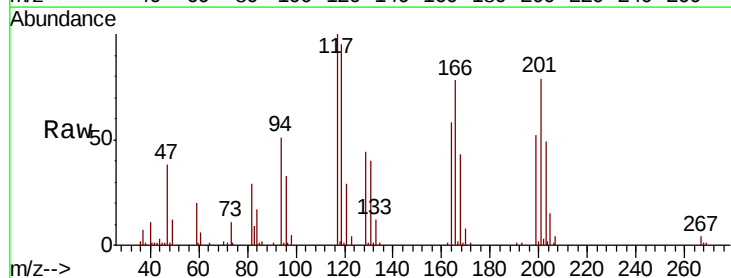
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

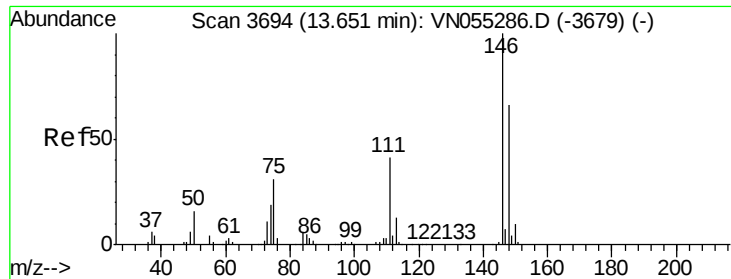
Tot Ion: 91 Resp: 190795
Ion Ratio Lower Upper
91 100
92 50.4 26.1 78.3
134 24.4 12.4 37.4



#90
Hexachloroethane
Concen: 19.997 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 117 Resp: 45849
Ion Ratio Lower Upper
117 100
201 79.5 41.9 125.8

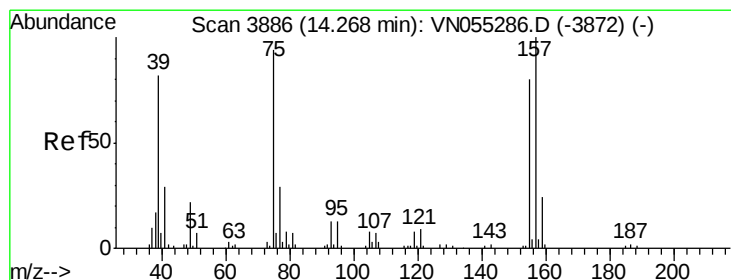
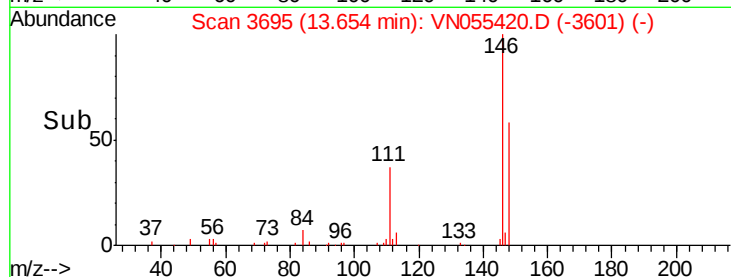
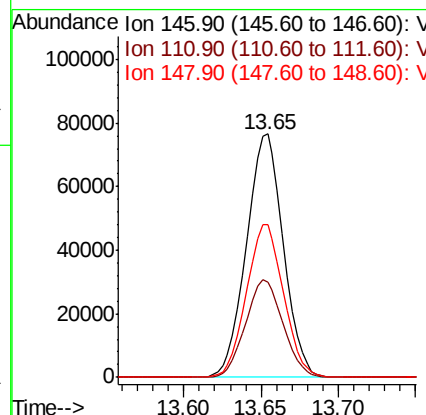
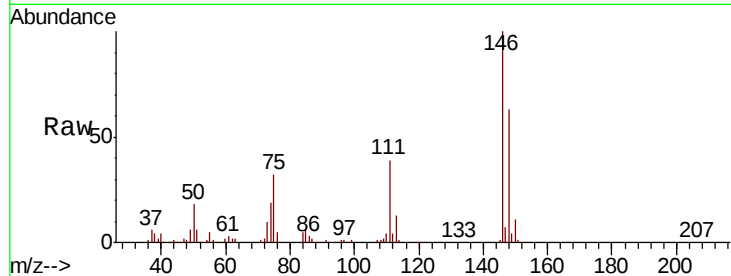




#91
 1,2-Dichlorobenzene
 Concen: 19.419 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

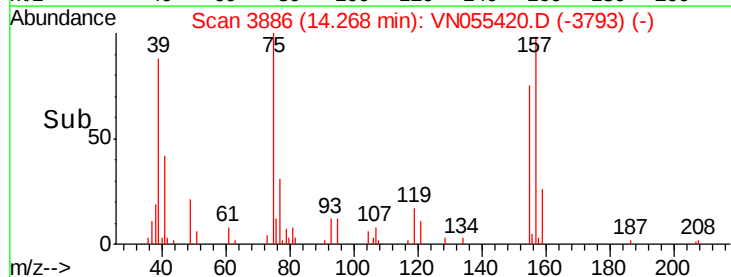
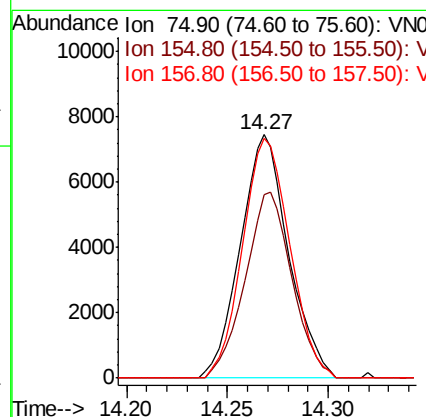
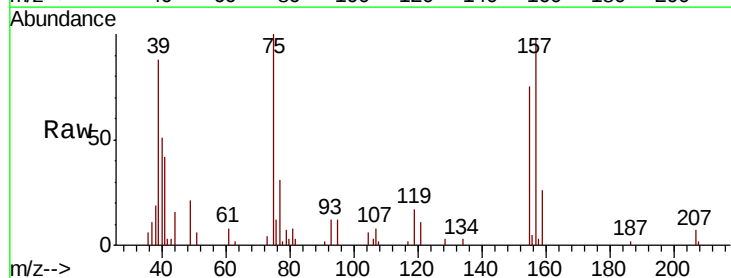
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

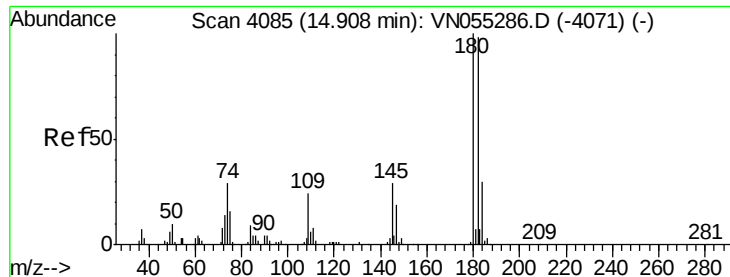
Tot Ion:146 Resp: 127151
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.3 61.0
 148 63.1 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.915 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 75 Resp: 12421
 Ion Ratio Lower Upper
 75 100
 155 74.4 41.5 124.6
 157 96.7 54.0 162.2

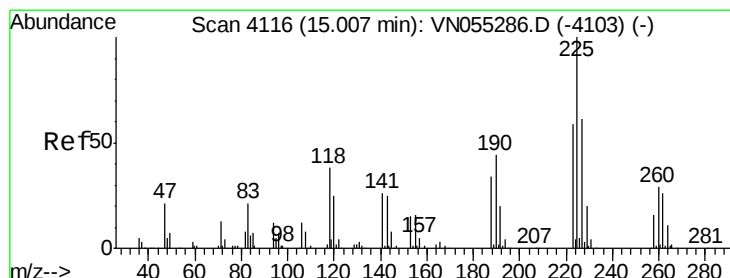
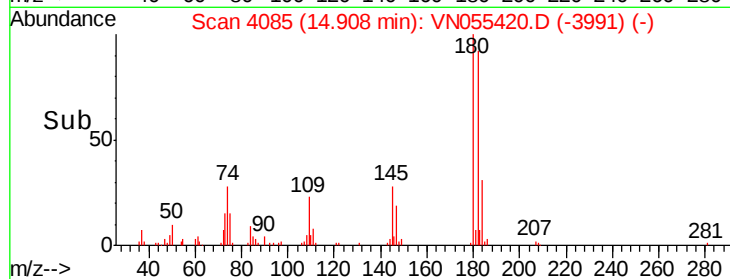
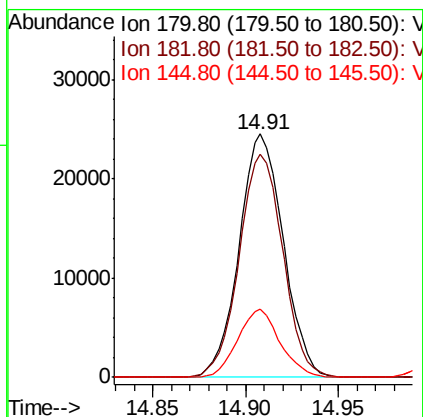
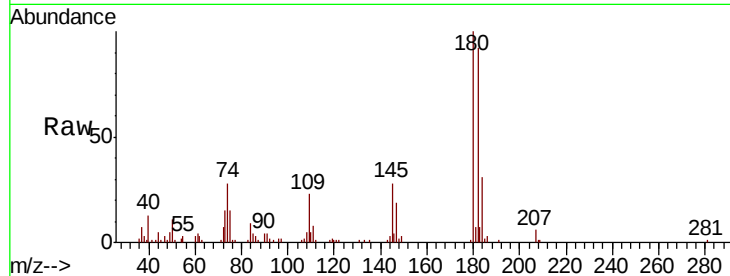




#93
 1,2,4-Trichlorobenzene
 Concen: 18.008 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

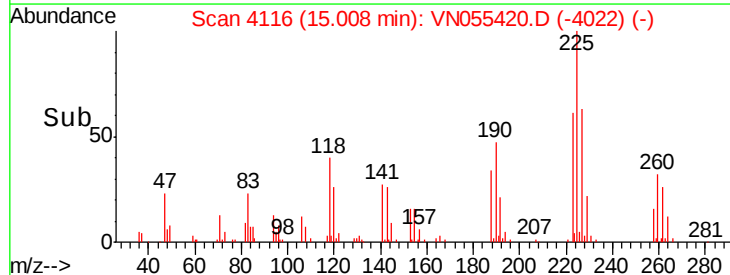
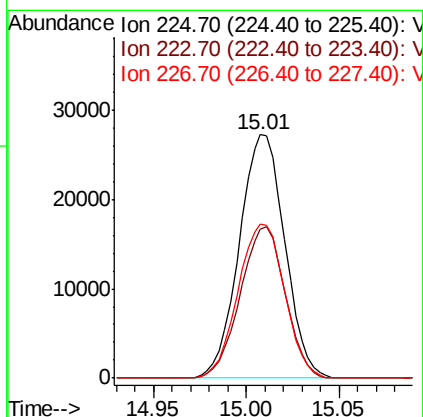
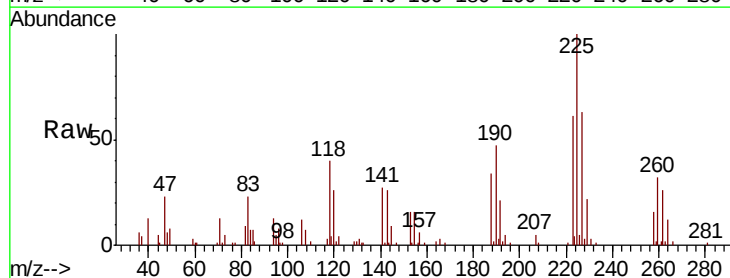
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion:180 Resp: 40628
 Ion Ratio Lower Upper
 180 100
 182 90.9 48.3 144.9
 145 26.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.946 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion:225 Resp: 46333
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.3 90.8
 227 64.8 30.9 92.7





#95

Naphthalene

Concen: 16.878 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

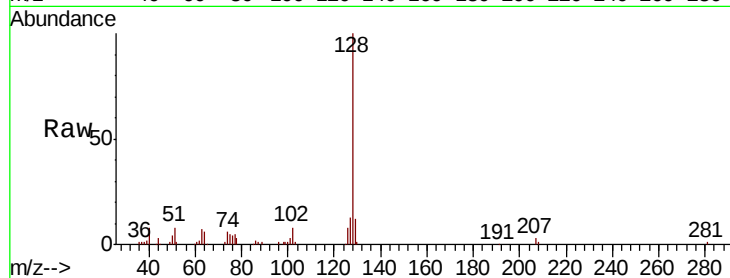
Tot Ion:128 Resp: 79657

Ion Ratio Lower Upper

128 100

127 12.6 10.7 16.1

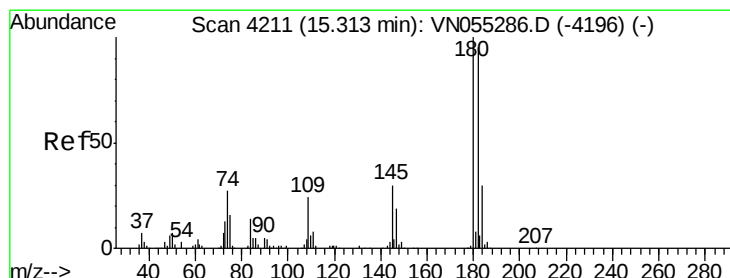
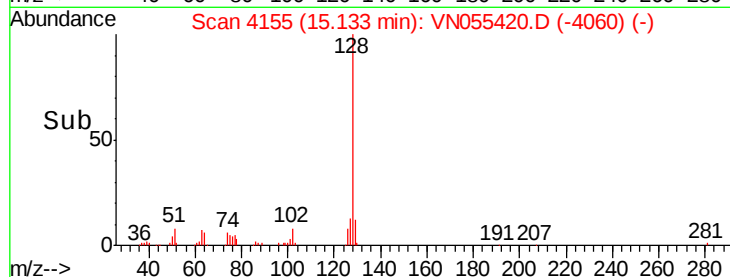
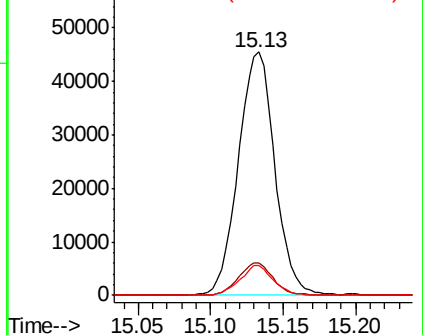
129 11.1 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 18.666 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

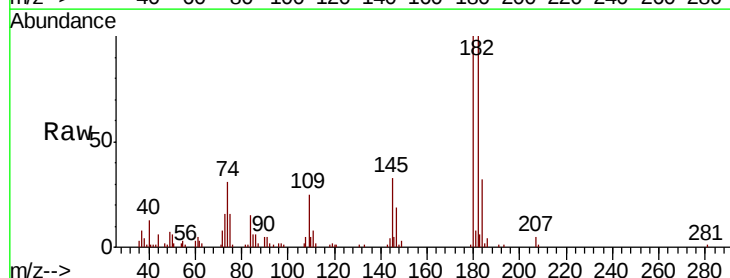
Tgt Ion:180 Resp: 43060

Ion Ratio Lower Upper

180 100

182 93.0 48.3 144.9

145 31.5 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

