

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055458.D
 Acq On : 8 May 2019 00:44
 Operator : JC/SP
 Sample : VN0507MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Quant Time: May 08 05:55:26 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	333159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	564615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	241980	55.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	7.59	113	183524	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.09	98	641657	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.40	95	213358	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	77354	18.950	ug/l	100
3) Chloromethane	2.06	50	87481	17.308	ug/l	99
4) Vinyl Chloride	2.19	62	75155	18.446	ug/l	100
5) Bromomethane	2.57	94	42124	19.519	ug/l	96
6) Chloroethane	2.71	64	41869	18.970	ug/l	100
7) Trichlorofluoromethane	3.02	101	114905	19.833	ug/l	96
8) Diethyl Ether	3.42	74	46944	23.160	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68570	19.876	ug/l	99
10) Methyl Iodide	3.96	142	91934	18.935	ug/l	99
11) Tert butyl alcohol	4.80	59	36937	148.023	ug/l	98
12) 1,1-Dichloroethene	3.74	96	65593	19.931	ug/l	98
13) Acrolein	3.61	56	11033	56.615	ug/l	92
14) Allyl chloride	4.33	41	139683	20.493	ug/l	99
15) Acrylonitrile	5.00	53	180627	128.779	ug/l	99
16) Acetone	3.82	43	141171	103.952	ug/l	100
17) Carbon Disulfide	4.06	76	127637	14.861	ug/l	100
18) Methyl Acetate	4.33	43	97040	28.896	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	224963	24.315	ug/l	99
20) Methylene Chloride	4.55	84	82534	19.911	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	66654	19.123	ug/l	97
22) Diisopropyl ether	5.96	45	316499	23.370	ug/l	98
23) Vinyl Acetate	5.90	43	1051402	118.454	ug/l	99
24) 1,1-Dichloroethane	5.86	63	157997	21.896	ug/l	100
25) 2-Butanone	6.84	43	225930	130.087	ug/l	97
26) 2,2-Dichloropropane	6.83	77	78742	15.803	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	85840	21.657	ug/l	98
28) Bromochloromethane	7.20	49	80610	22.162	ug/l	97
29) Tetrahydrofuran	7.22	42	156870	141.058	ug/l	97
30) Chloroform	7.37	83	149351	21.834	ug/l	94
31) Cyclohexane	7.66	56	132767	19.366	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	117747	21.210	ug/l	99
36) 1,1-Dichloropropene	7.80	75	98646	18.240	ug/l	100
37) Ethyl Acetate	6.94	43	93524	22.564	ug/l	99
38) Carbon Tetrachloride	7.78	117	93534	17.929	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	105621	18.369	ug/l	97
40) Benzene	8.04	78	315692	19.802	ug/l	99
41) Methacrylonitrile	7.18	41	48182	21.901	ug/l	90
42) 1,2-Dichloroethane	8.13	62	119219	21.113	ug/l	99
43) Isopropyl Acetate	8.17	43	165969	24.916	ug/l #	87
44) Trichloroethene	8.84	130	77556	19.082	ug/l	100
45) 1,2-Dichloropropane	9.12	63	95493	20.768	ug/l	100
46) Dibromomethane	9.21	93	52653	20.949	ug/l	98
47) Bromodichloromethane	9.40	83	108163	20.060	ug/l	97
48) Methyl methacrylate	9.20	41	78488	23.969	ug/l	96
49) 1,4-Dioxane	9.21	88	17664	521.822	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	481899	128.497	ug/l	98
52) Toluene	10.16	92	179632	19.637	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	90942	19.429	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	112349	19.251	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	76521	22.527	ug/l	97
56) Ethyl methacrylate	10.43	69	97775	23.386	ug/l	98
57) 1,3-Dichloropropane	10.71	76	131294	22.033	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	86873	76.034	ug/l	98
59) 2-Hexanone	10.75	43	303871	129.500	ug/l	99
60) Dibromochloromethane	10.90	129	71623	20.630	ug/l	100
61) 1,2-Dibromoethane	11.01	107	67119	21.378	ug/l	100
64) Tetrachloroethene	10.63	164	81783	21.314	ug/l	98
65) Chlorobenzene	11.43	112	185389	20.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	70989	19.762	ug/l	98
67) Ethyl Benzene	11.51	91	338277	20.420	ug/l	98
68) m/p-Xylenes	11.62	106	246333	41.659	ug/l	98
69) o-Xylene	11.95	106	122815	20.955	ug/l	99
70) Styrene	11.97	104	194950	21.664	ug/l	98
71) Bromoform	12.13	173	43799	21.974	ug/l #	99
73) Isopropylbenzene	12.25	105	331606	21.840	ug/l	99
74) N-amyl acetate	12.07	43	104815	23.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93099	25.045	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	106601	31.578	ug/l #	100
77) Bromobenzene	12.53	156	76950	21.610	ug/l	96
78) n-propylbenzene	12.59	91	352878	19.471	ug/l	99
79) 2-Chlorotoluene	12.67	91	224101	21.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	278590	20.141	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18167	19.513	ug/l	89
82) 4-Chlorotoluene	12.77	91	210243	19.952	ug/l	99
83) tert-Butylbenzene	12.99	119	241797	23.134	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	256544	20.739	ug/l	99
85) sec-Butylbenzene	13.17	105	311176	20.698	ug/l	100
86) p-Isopropyltoluene	13.29	119	254427	20.591	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	118778	20.119	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	113702	20.450	ug/l	99
89) n-Butylbenzene	13.62	91	176718	20.127	ug/l	99
90) Hexachloroethane	13.87	117	42131	20.608	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	124888	21.343	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12687	27.333	ug/l	92

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

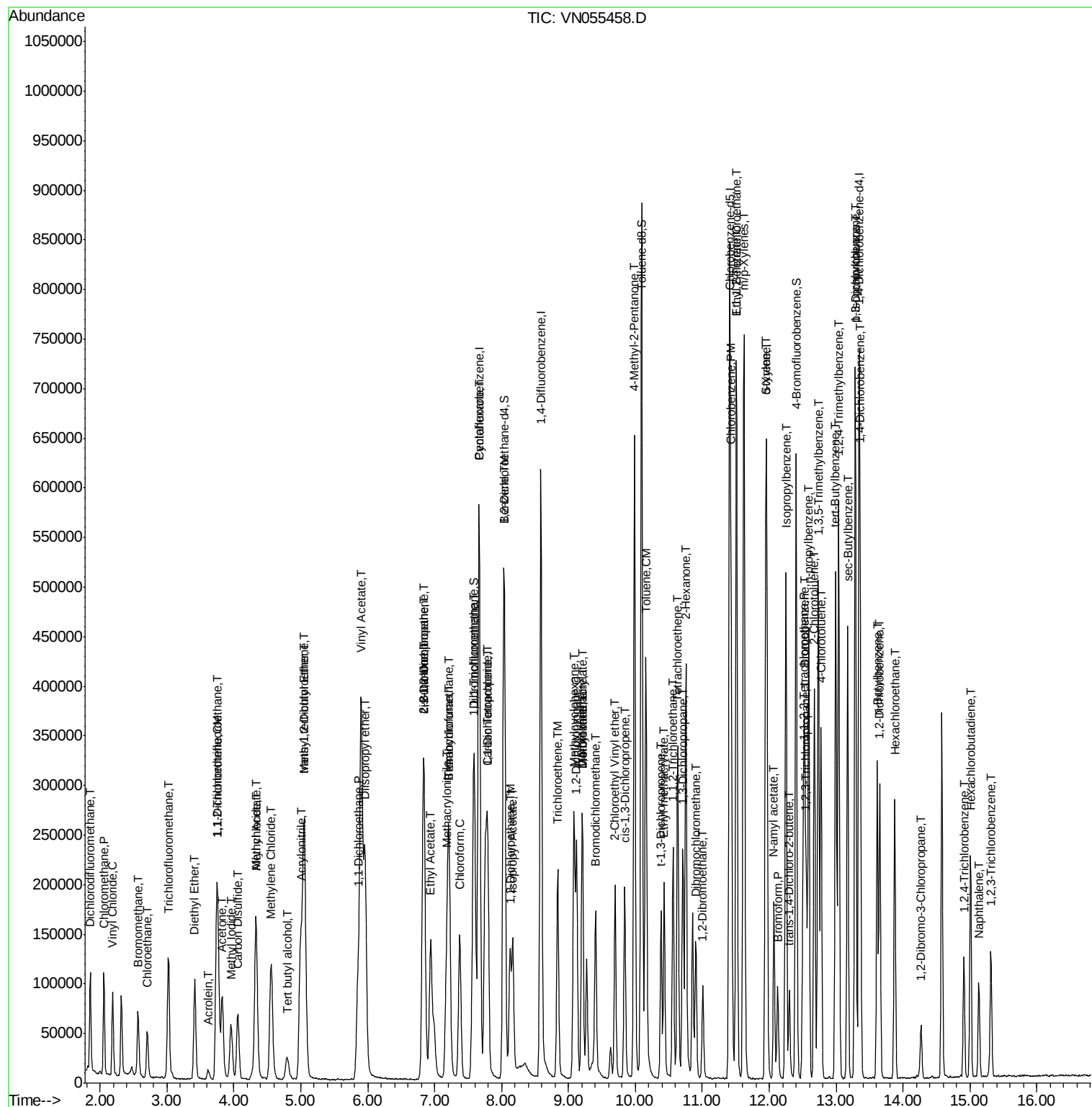
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37843	18.629	ug/l	99
94) Hexachlorobutadiene	15.01	225	42599	22.663	ug/l	96
95) Naphthalene	15.13	128	80741	18.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43598	20.801	ug/l	97

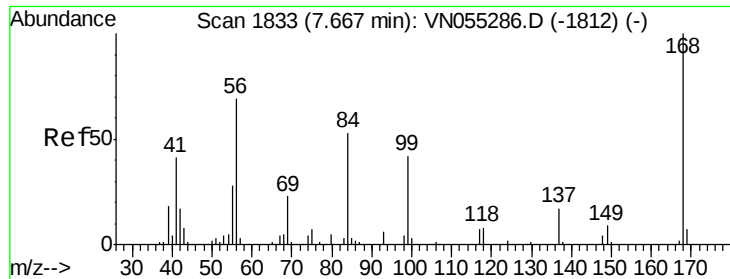
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050719\
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Instrument :
MSVOA_N
Client Sample ID :
VN0507MBSD01

Quant Time: May 08 01:04:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

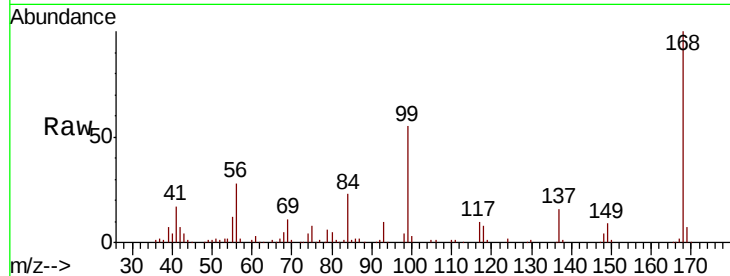
VN0507MBSD01

Tot Ion:168 Resp: 333159

Ion Ratio Lower Upper

168 100

99 54.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

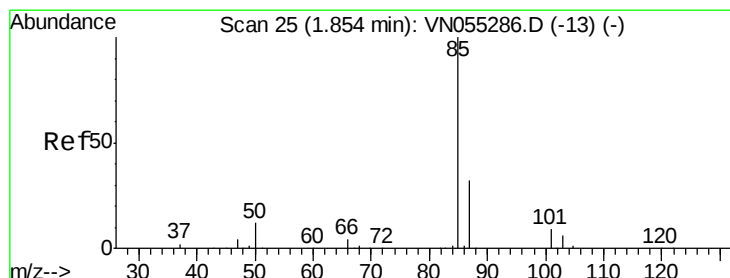
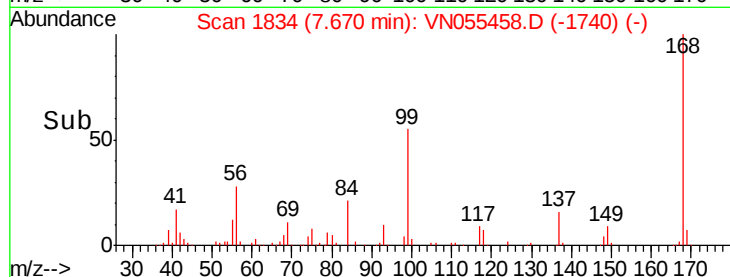
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.950 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055458.D

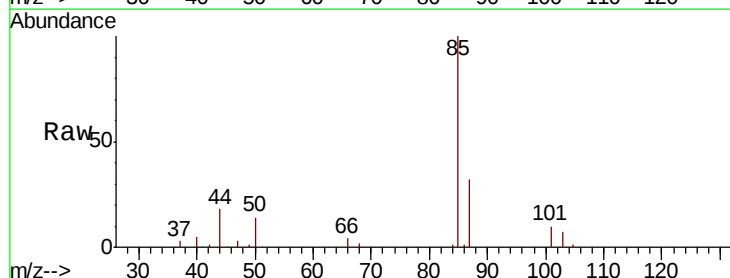
Acq: 8 May 2019 00:44

Tgt Ion: 85 Resp: 77354

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

50000

40000

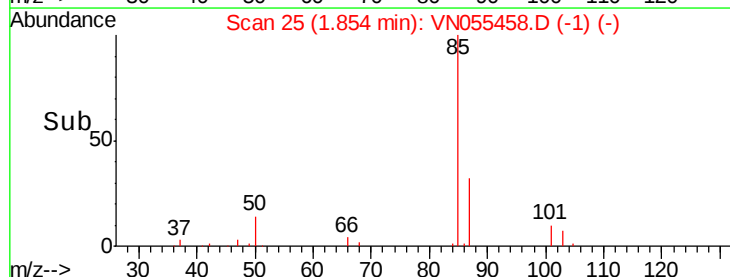
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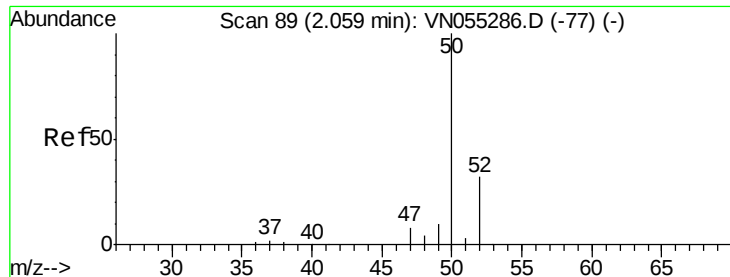
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.308 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

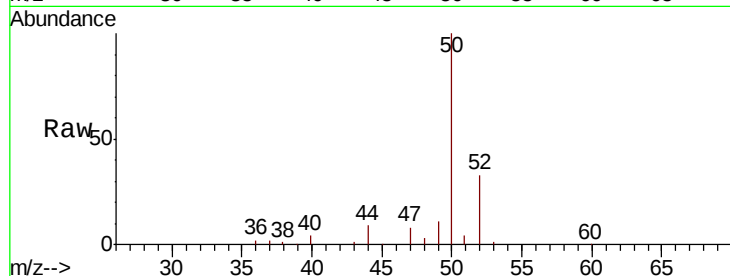
VN0507MBSD01

Tot Ion: 50 Resp: 87481

Ion Ratio Lower Upper

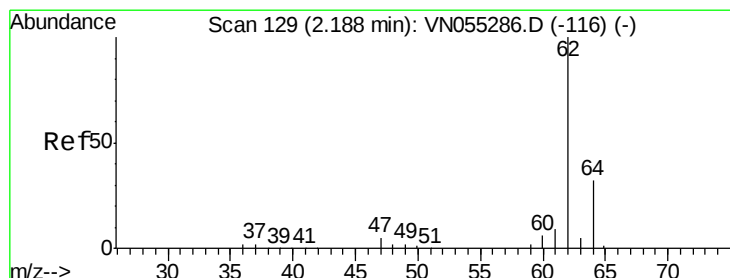
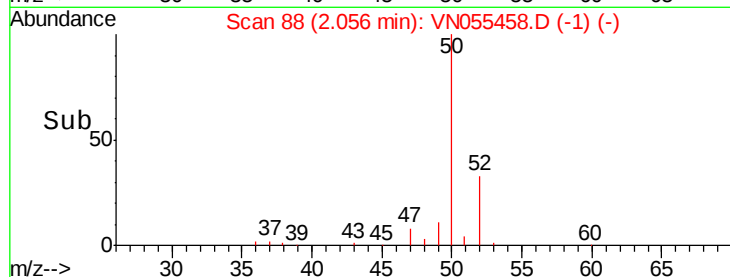
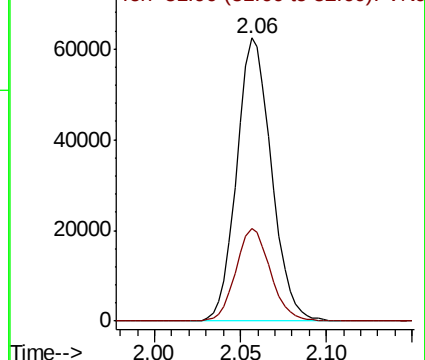
50 100

52 32.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.446 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055458.D

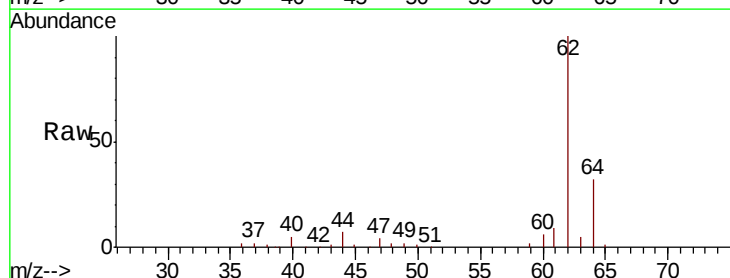
Acq: 8 May 2019 00:44

Tgt Ion: 62 Resp: 75155

Ion Ratio Lower Upper

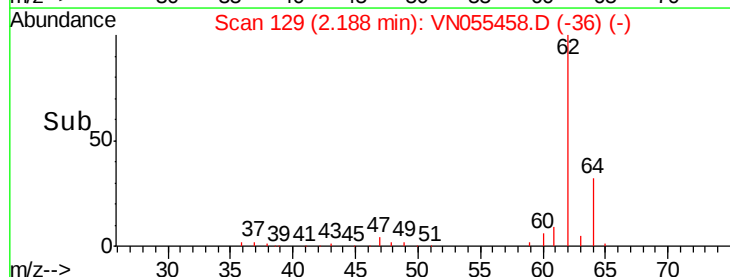
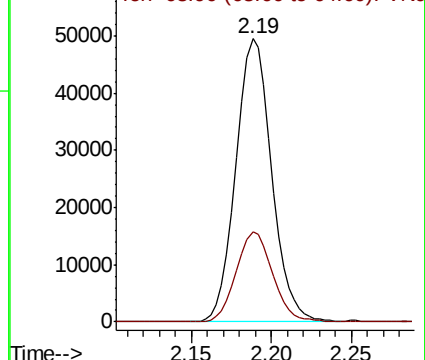
62 100

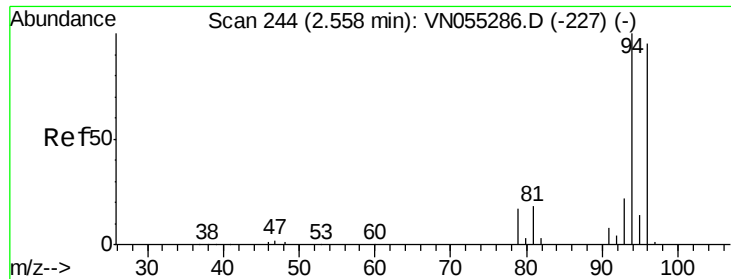
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.519 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

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ClientSampleId :

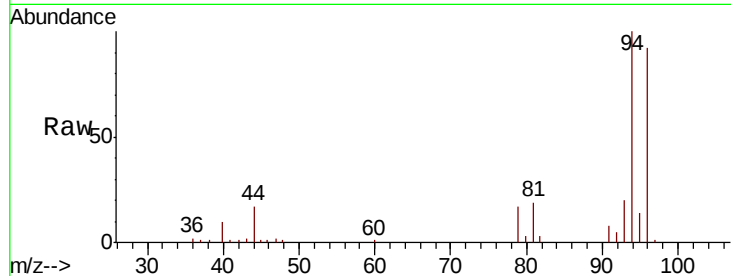
VN0507MBSD01

Tot Ion: 94 Resp: 42124

Ion Ratio Lower Upper

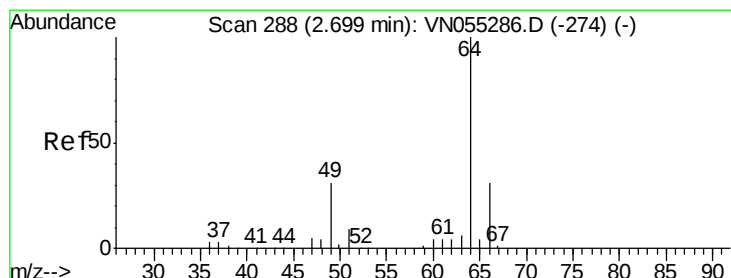
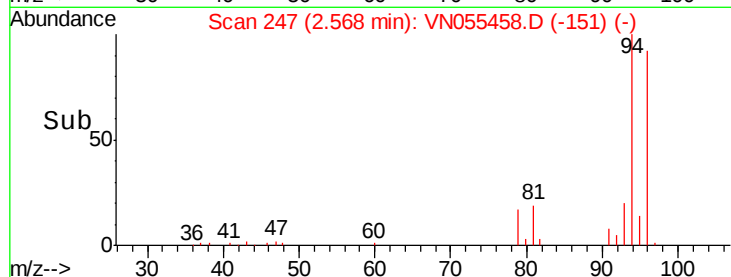
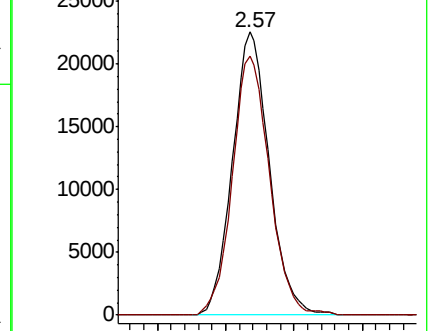
94 100

96 91.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.970 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055458.D

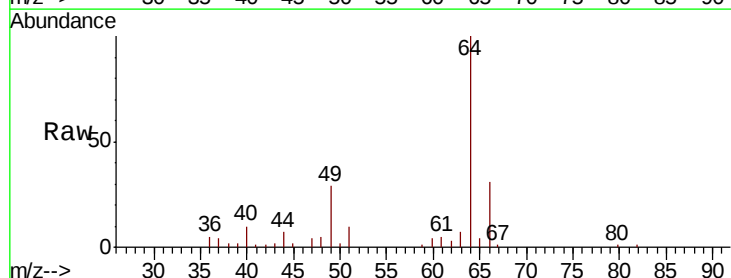
Acq: 8 May 2019 00:44

Tgt Ion: 64 Resp: 41869

Ion Ratio Lower Upper

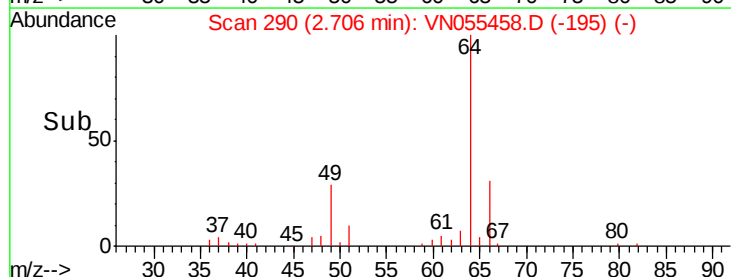
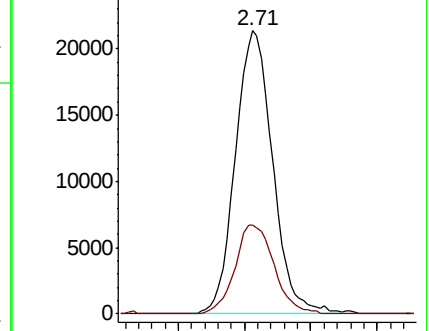
64 100

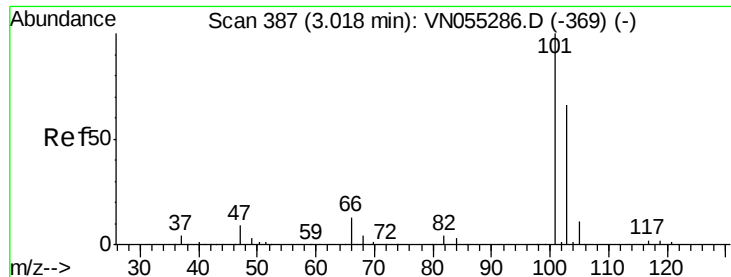
66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



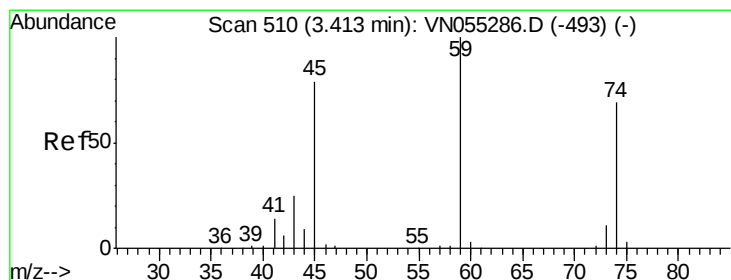
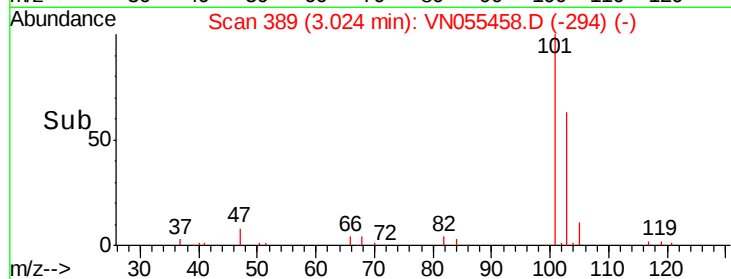
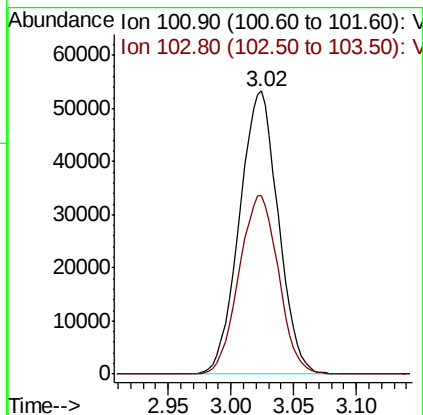
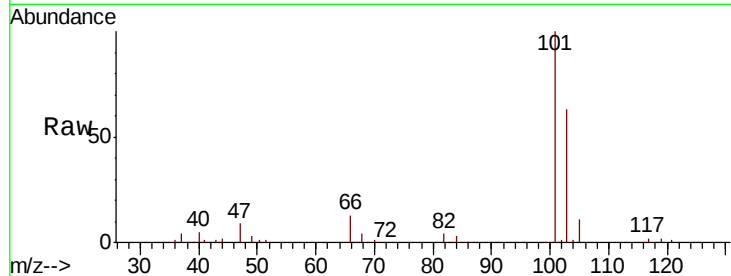


#7

Trichlorofluoromethane
 Concen: 19.833 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
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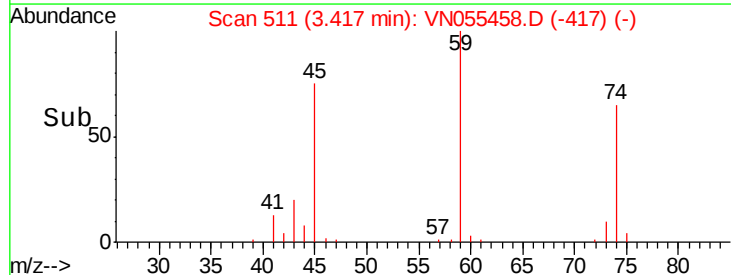
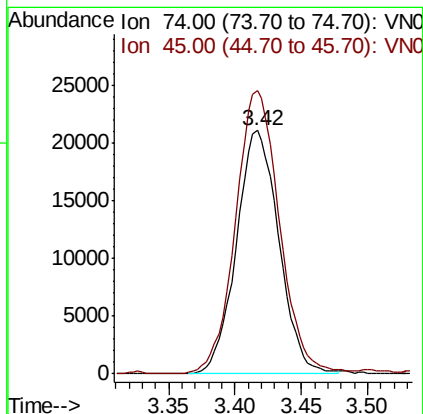
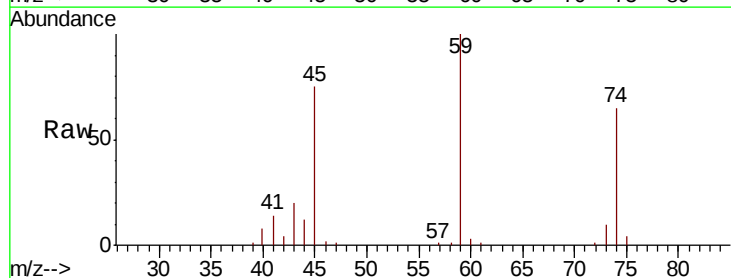
Tot Ion:101 Resp: 114905
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0

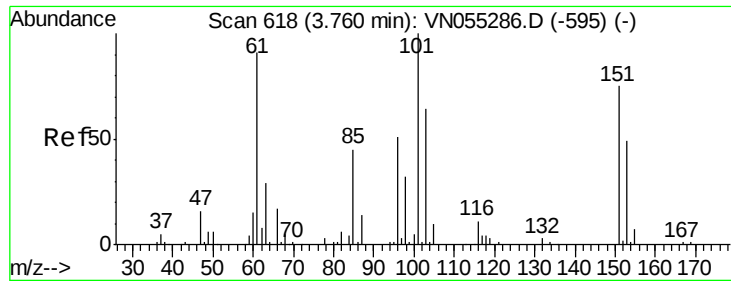


#8

Diethyl Ether
 Concen: 23.160 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion: 74 Resp: 46944
 Ion Ratio Lower Upper
 74 100
 45 120.9 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.876 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

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MSVOA_N

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VN0507MBSD01

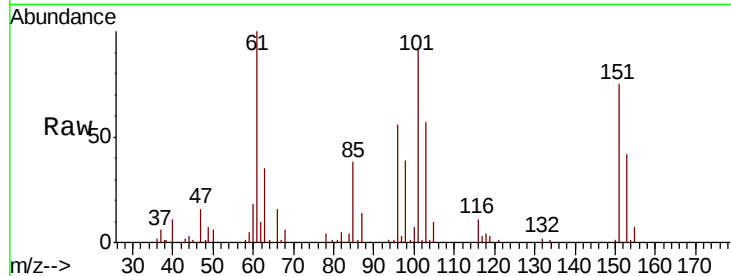
Tot Ion:101 Resp: 68570

Ion Ratio Lower Upper

101 100

85 44.0 35.7 53.5

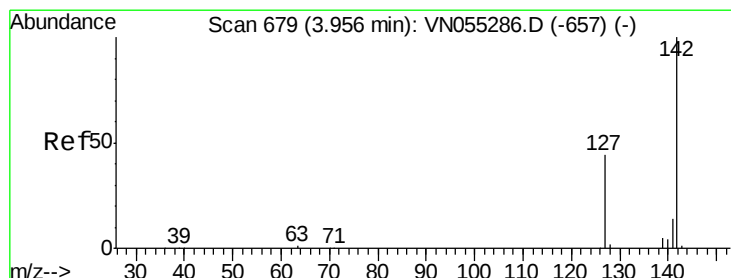
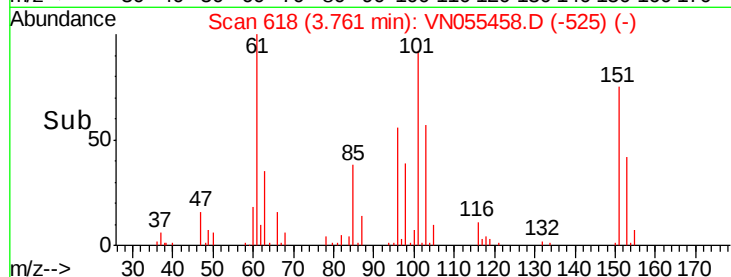
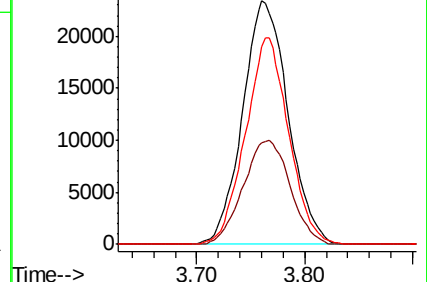
151 80.3 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.935 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

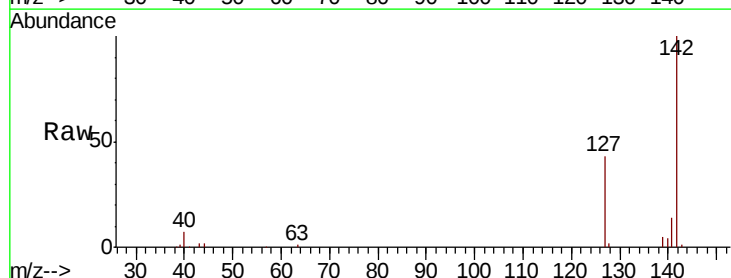
Tgt Ion:142 Resp: 91934

Ion Ratio Lower Upper

142 100

127 42.0 34.4 51.6

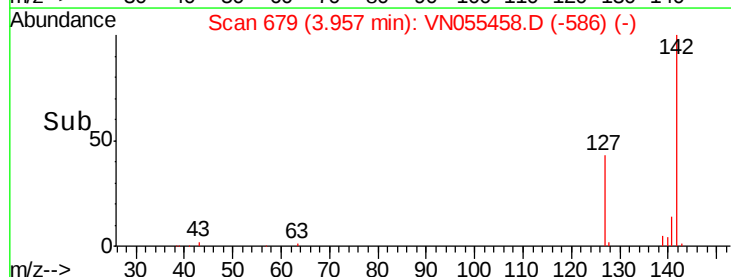
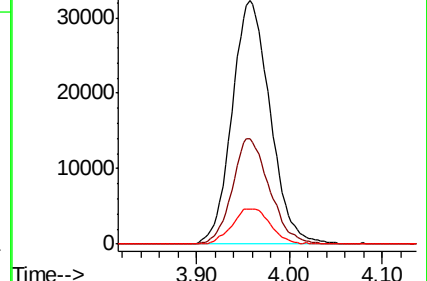
141 14.5 11.5 17.3



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

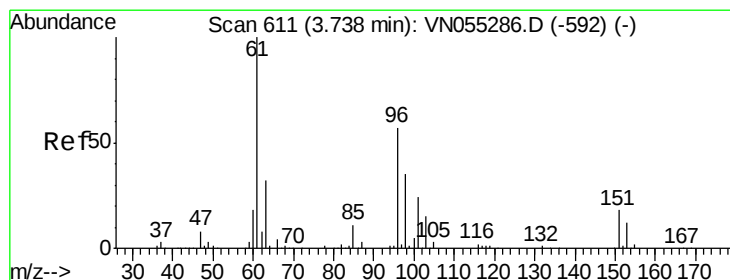
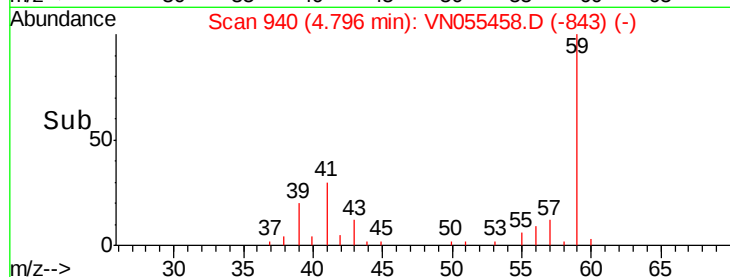
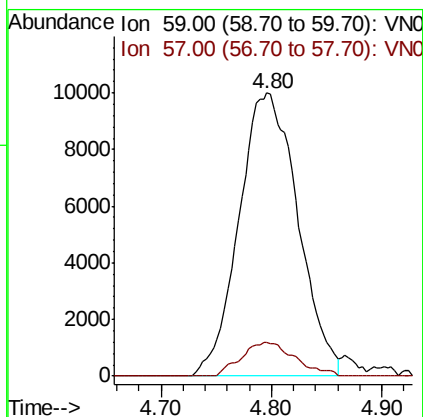
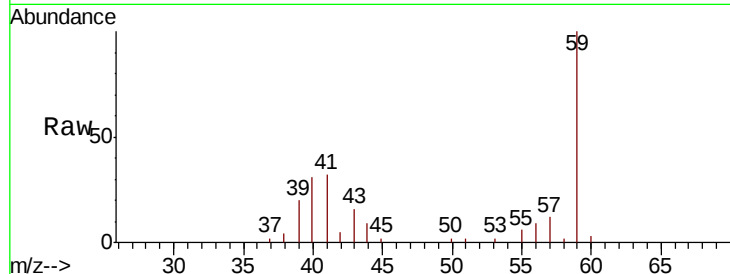




#11
Tert butyl alcohol
Concen: 148.023 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

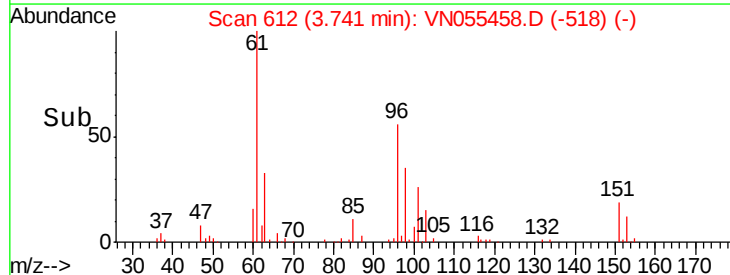
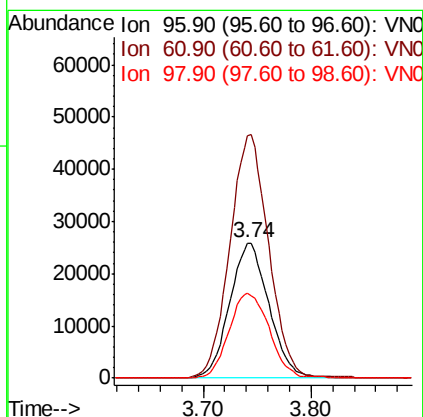
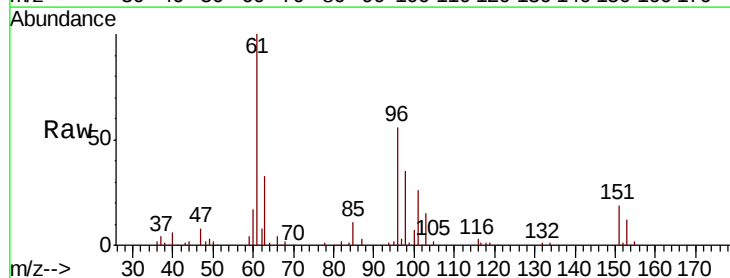
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

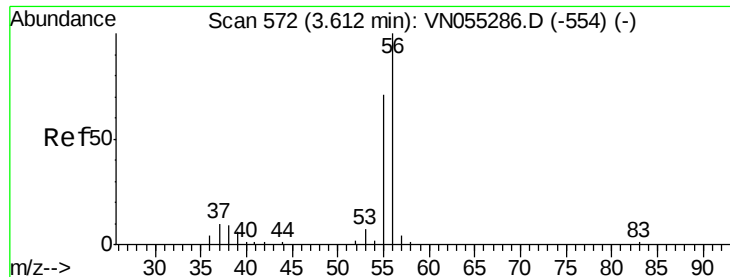
Tot Ion: 59 Resp: 36937
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.931 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 96 Resp: 65593
Ion Ratio Lower Upper
96 100
61 179.2 140.9 211.3
98 62.5 50.0 75.0





#13

Acrolein

Concen: 56.615 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

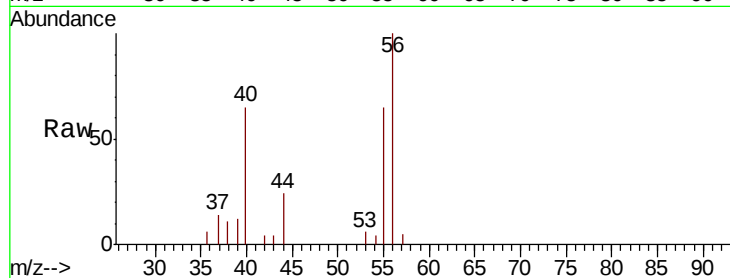
VN0507MBSD01

Tot Ion: 56 Resp: 11033

Ion Ratio Lower Upper

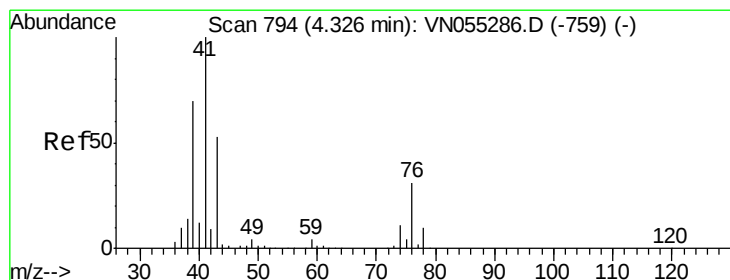
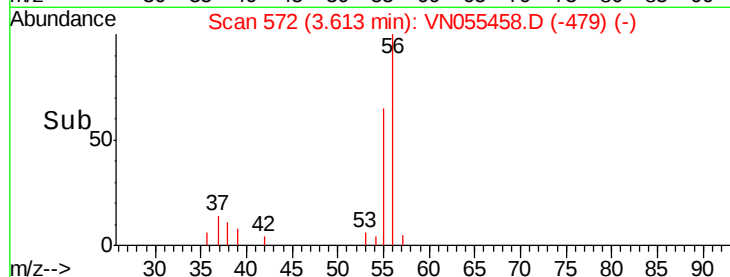
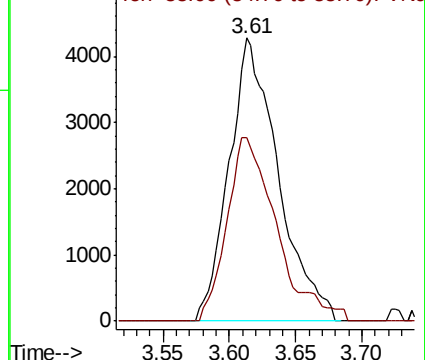
56 100

55 65.3 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.493 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

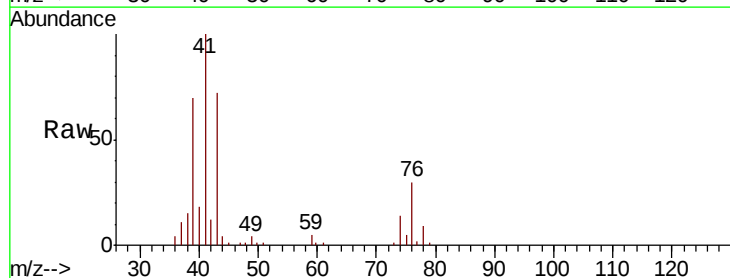
Tgt Ion: 41 Resp: 139683

Ion Ratio Lower Upper

41 100

39 66.4 53.0 79.6

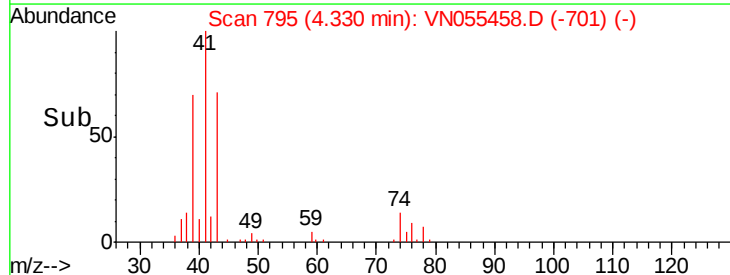
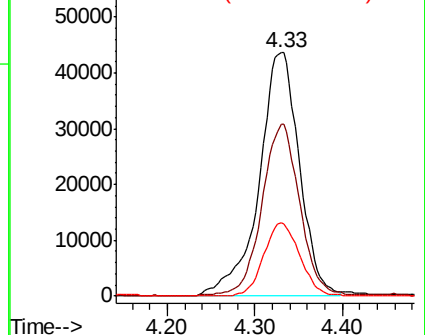
76 26.7 22.7 34.1

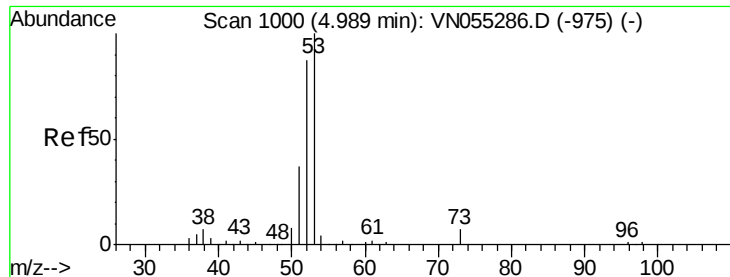


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 128.779 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

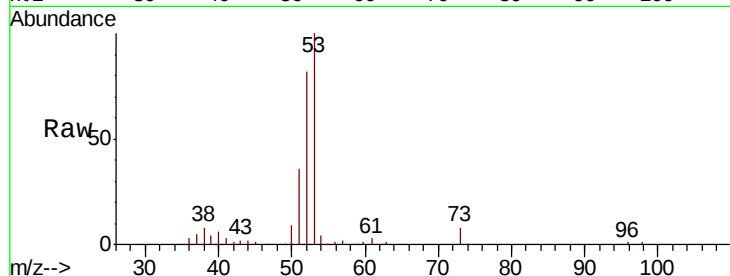
MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 53 Resp: 180627

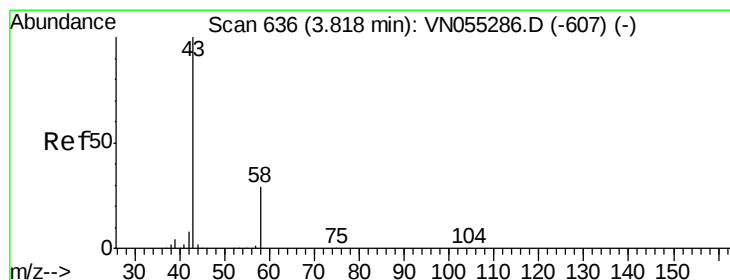
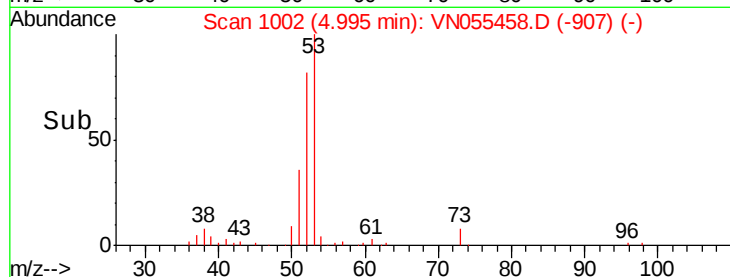
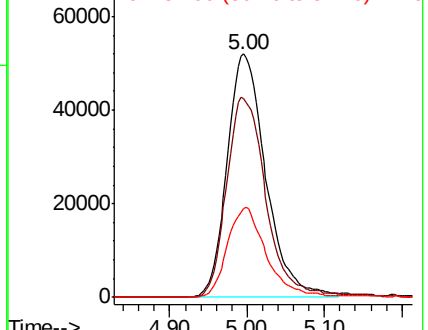
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.5	99.7
51	37.1	29.6	44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 103.952 ug/l

RT: 3.82 min Scan# 638

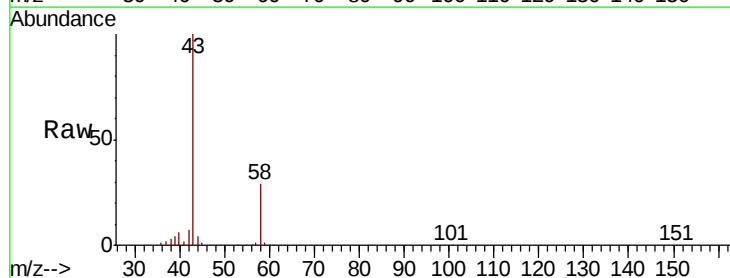
Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

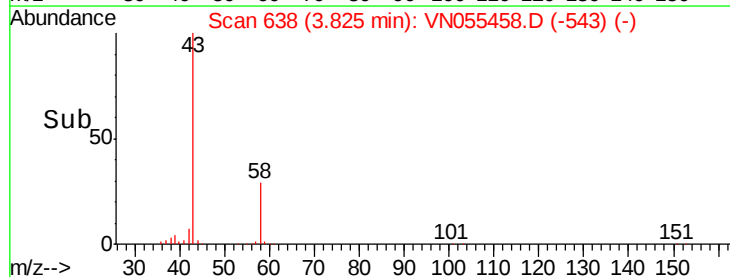
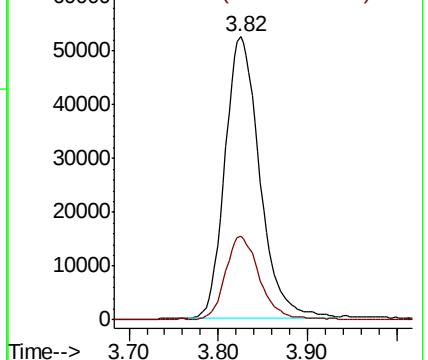
Tgt Ion: 43 Resp: 141171

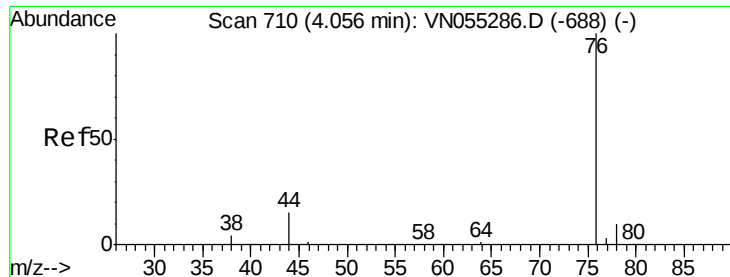
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

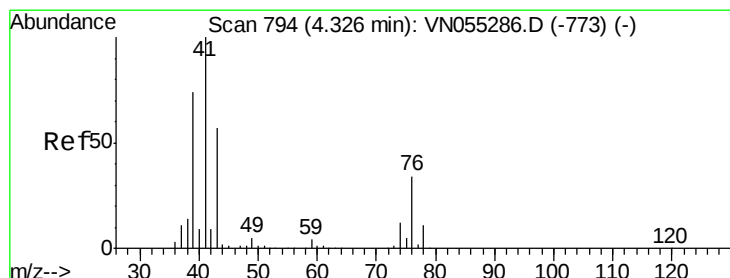
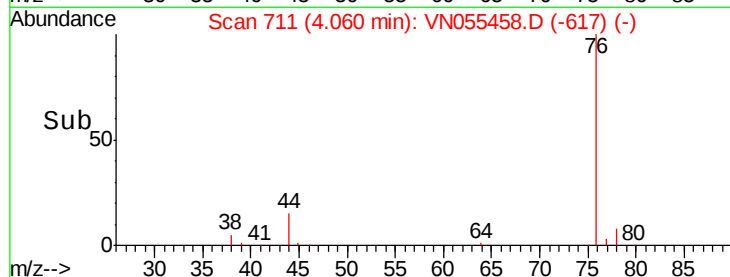
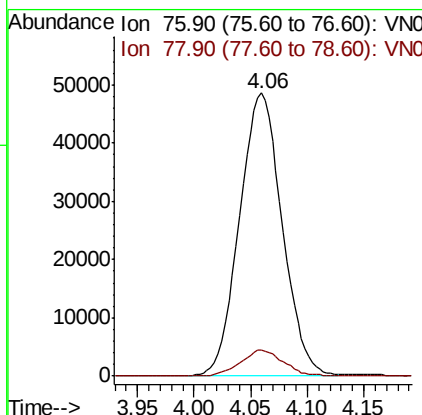
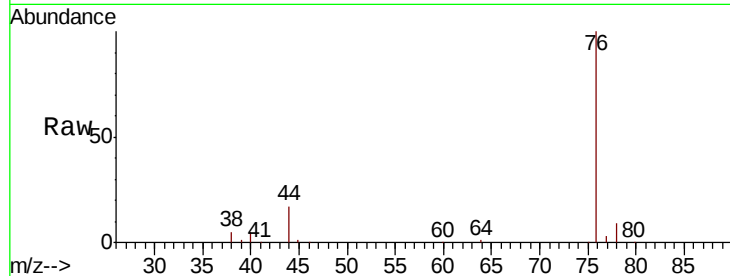




#17
Carbon Disulfide
Concen: 14.861 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

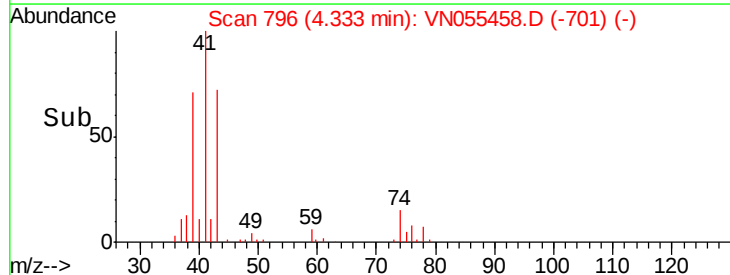
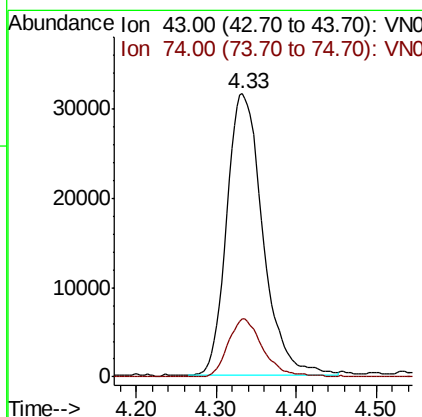
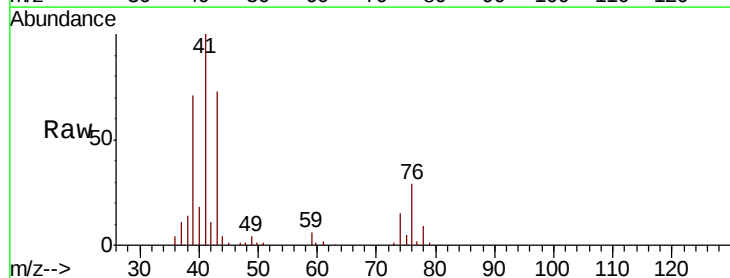
Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

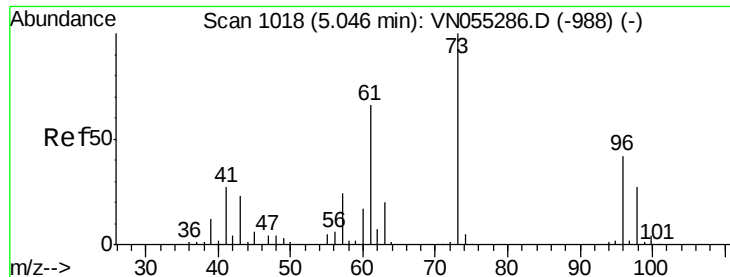
Tot Ion: 76 Resp: 127637
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 28.896 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 43 Resp: 97040
Ion Ratio Lower Upper
43 100
74 19.8 15.8 23.8

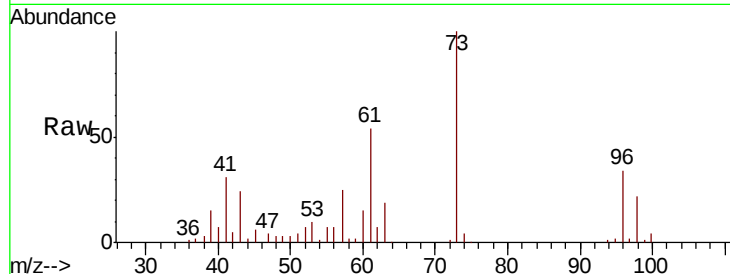




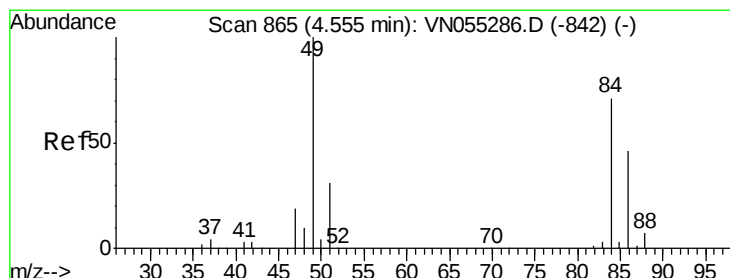
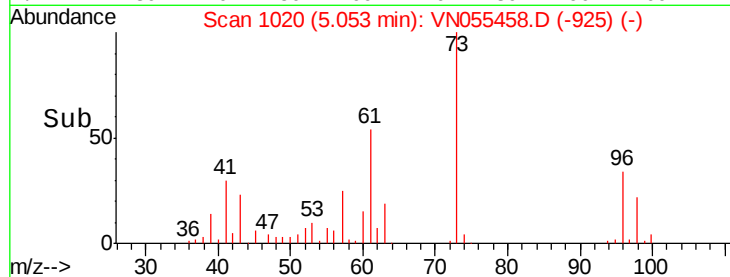
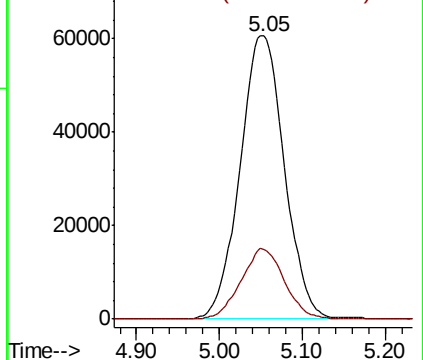
#19
Methvl tert-butvl Ether
Concen: 24.315 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 73 Resp: 224963
Ion Ratio Lower Upper
73 100
57 24.5 19.1 28.7

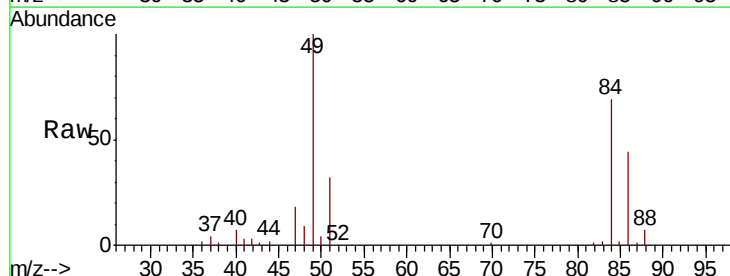


Abundance Ion 73.00 (72.70 to 73.70): VN055286.D (-988) (-)
Ion 57.00 (56.70 to 57.70): VN055286.D (-988) (-)

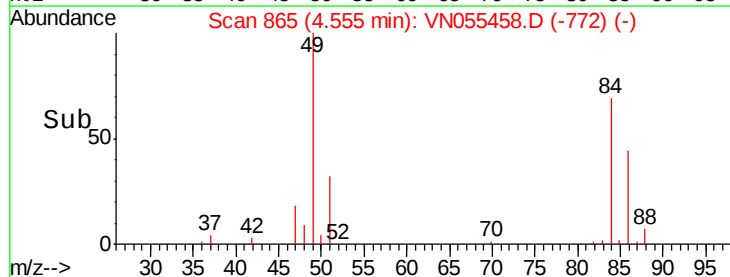
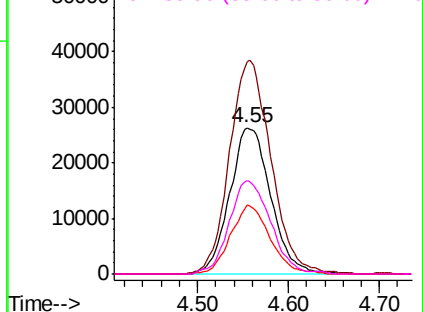


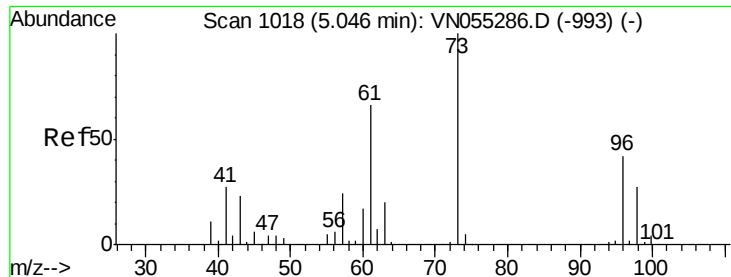
#20
Methylene Chloride
Concen: 19.911 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 84 Resp: 82534
Ion Ratio Lower Upper
84 100
49 145.0 112.4 168.6
51 47.0 34.6 51.8
86 63.8 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055286.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055286.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055286.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055286.D (-842) (-)

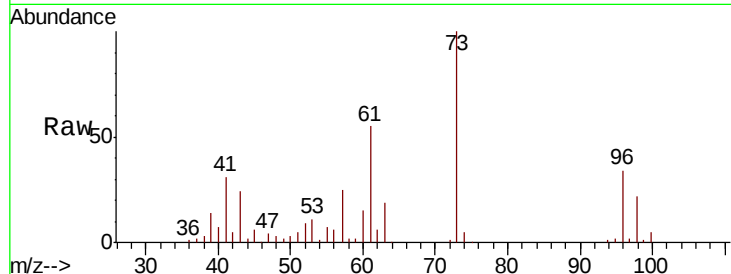




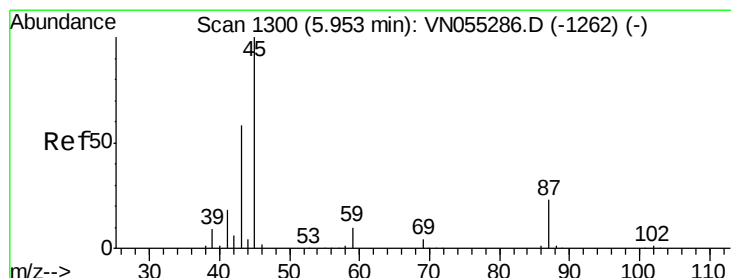
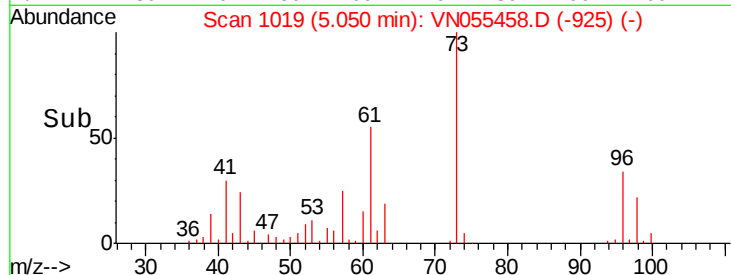
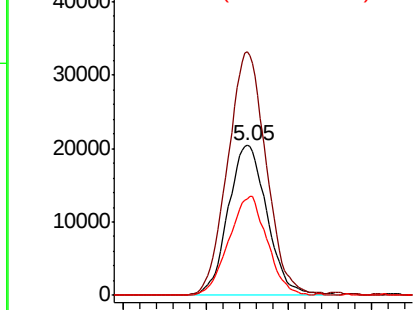
#21
trans-1,2-Dichloroethene
Concen: 19.123 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 96 Resp: 66654
Ion Ratio Lower Upper
96 100
61 162.5 126.2 189.4
98 64.5 52.2 78.2

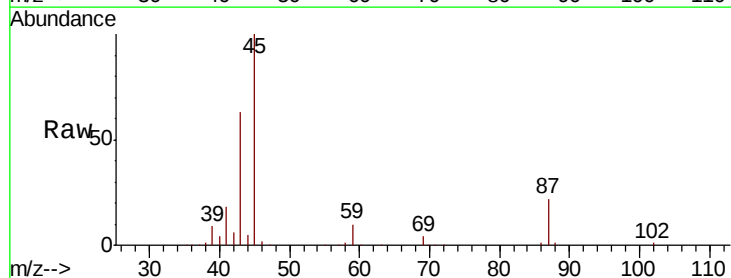


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

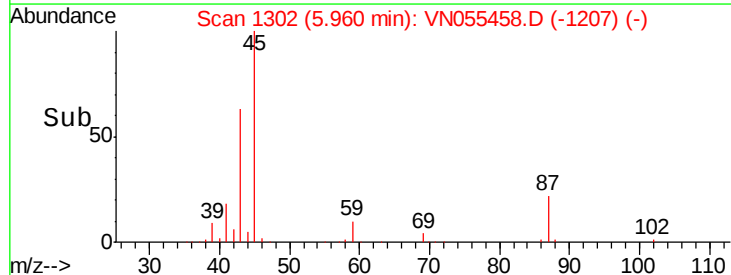
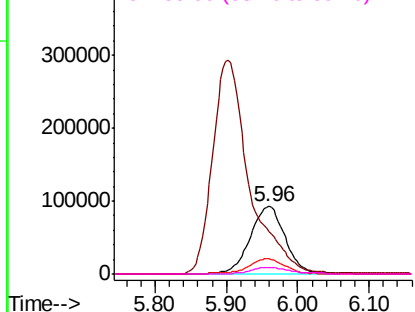


#22
Diisopropyl ether
Concen: 23.370 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 45 Resp: 316499
Ion Ratio Lower Upper
45 100
43 60.6 46.6 70.0
87 22.1 18.1 27.1
59 9.7 8.2 12.2



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





#23

Vinyl Acetate

Concen: 118.454 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleID :

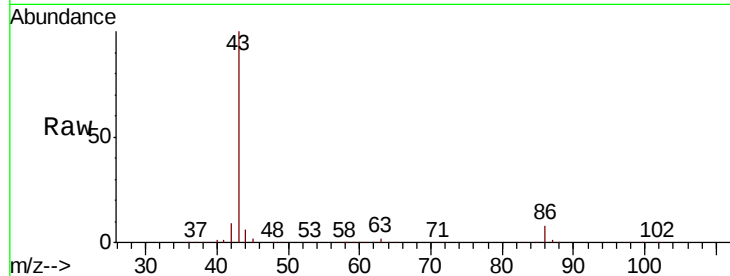
VN0507MBSD01

Tot Ion: 43 Resp: 1051402

Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN055286.D (-1256) (-)

5.90

300000

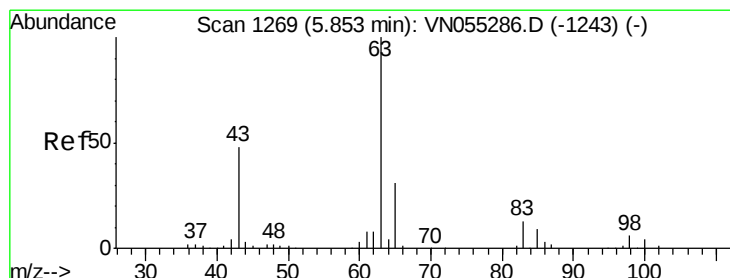
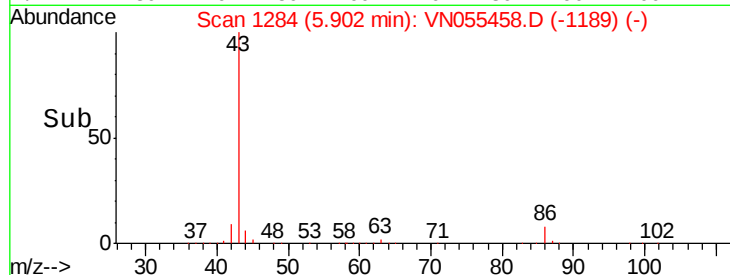
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.896 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

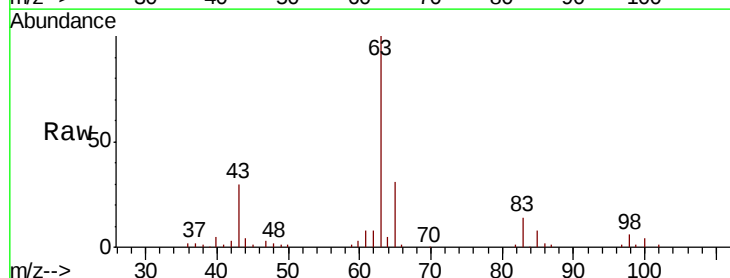
Tgt Ion: 63 Resp: 157997

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.9 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN055286.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN055286.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN055286.D (-1243) (-)

5.86

60000

50000

40000

30000

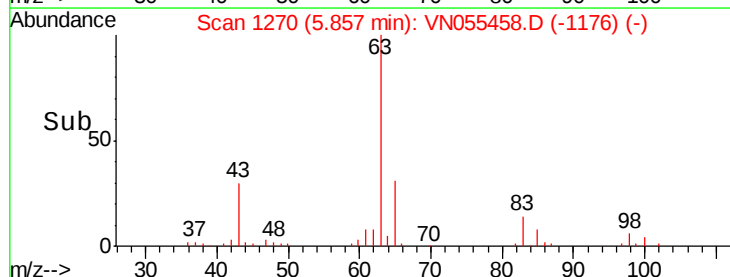
20000

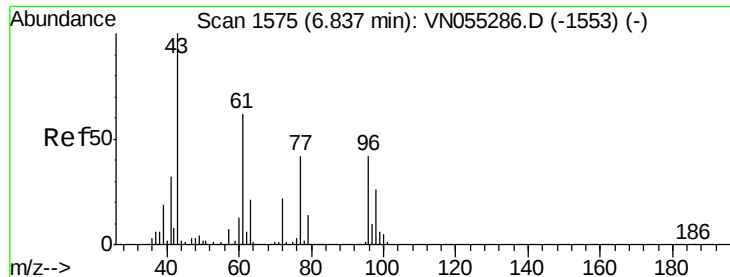
10000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 130.087 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

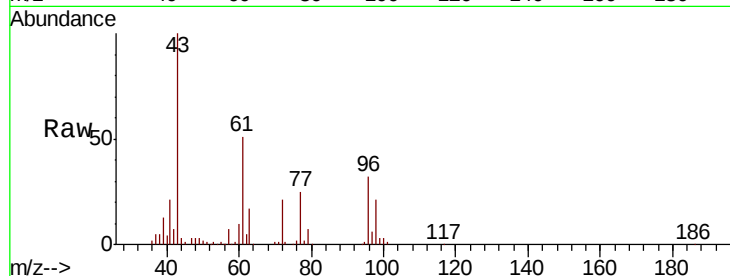
VN0507MBSD01

Tot Ion: 43 Resp: 225930

Ion Ratio Lower Upper

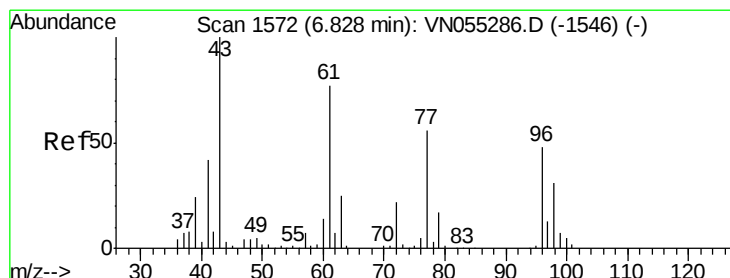
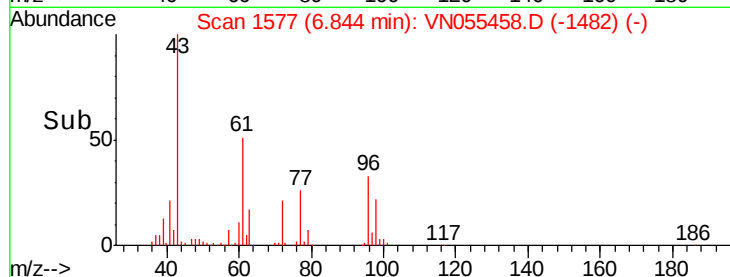
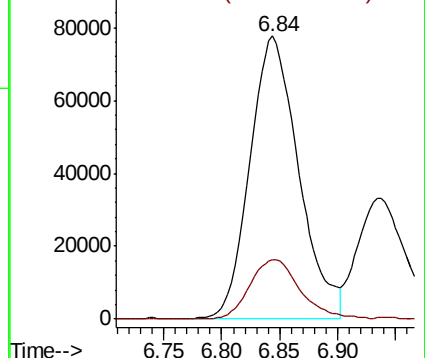
43 100

72 20.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 15.803 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055458.D

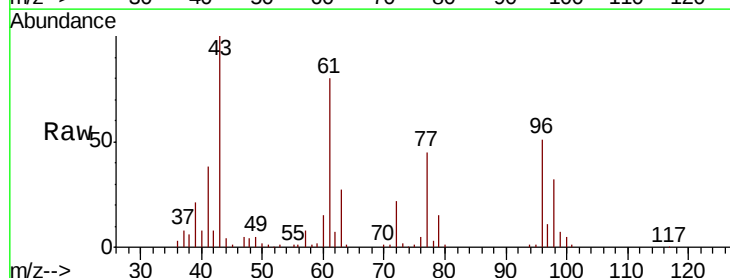
Acq: 8 May 2019 00:44

Tgt Ion: 77 Resp: 78742

Ion Ratio Lower Upper

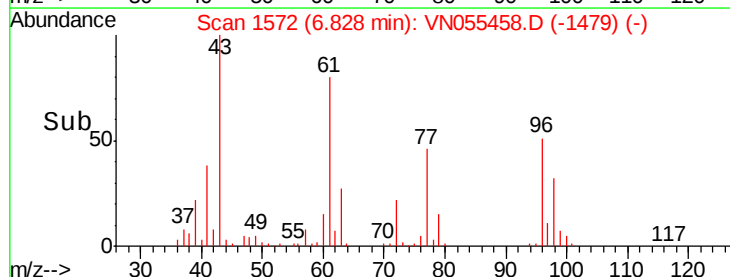
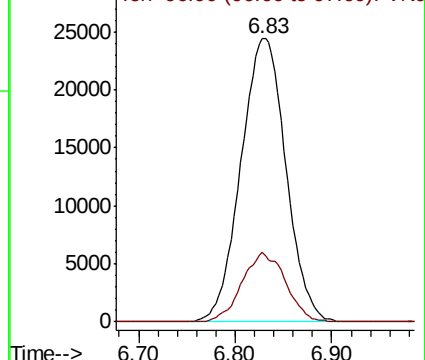
77 100

97 23.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.657 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

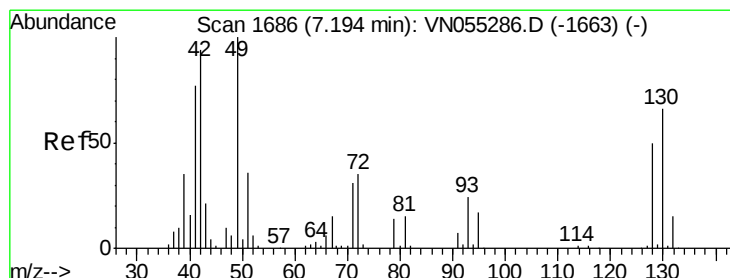
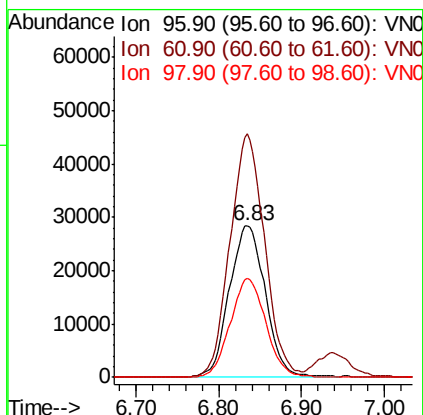
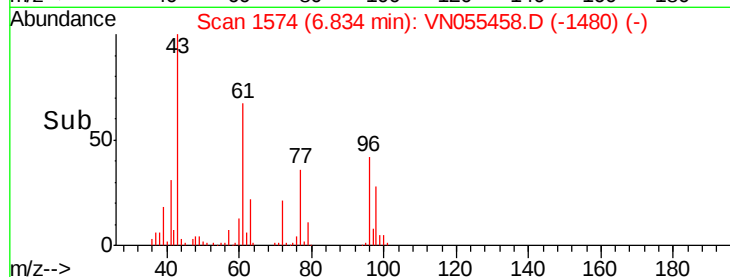
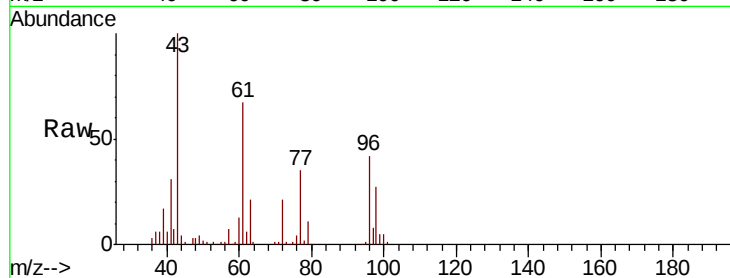
Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 96 Resp: 85840

Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	316.2
98	64.4	0.0	126.6



#28

Bromochloromethane

Concen: 22.162 ug/l

RT: 7.20 min Scan# 1687

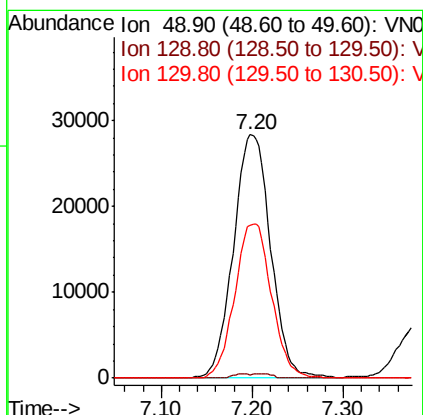
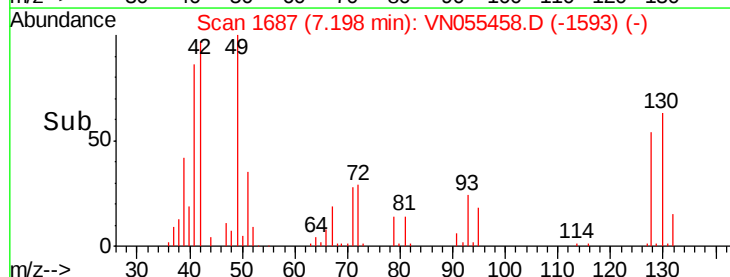
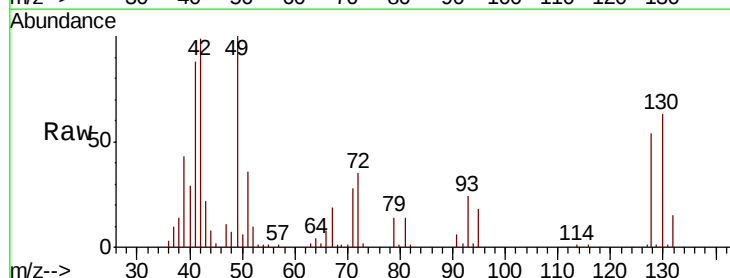
Delta R.T. 0.00 min

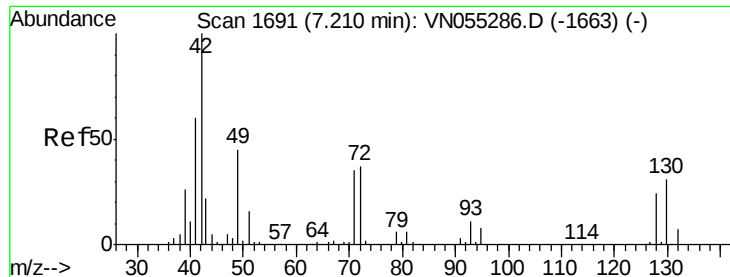
Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion: 49 Resp: 80610

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.4
130	62.3	52.0	78.0

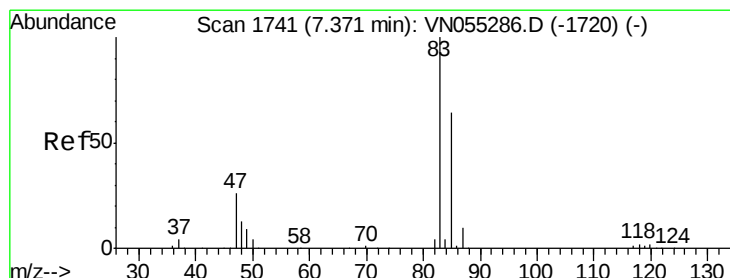
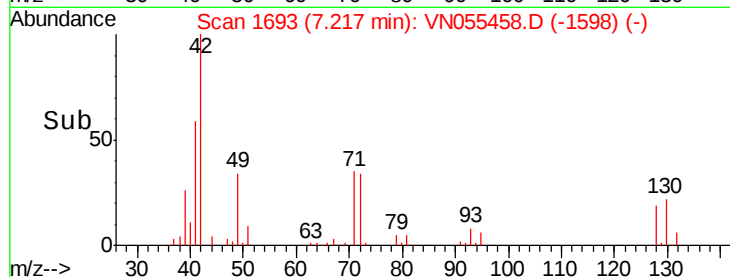
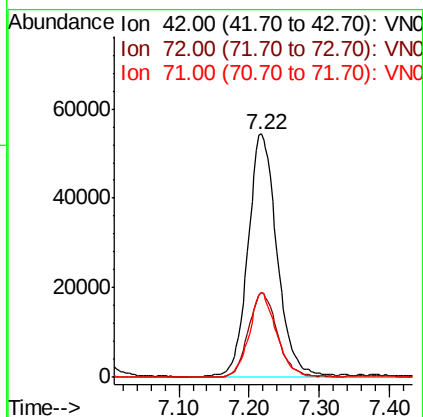
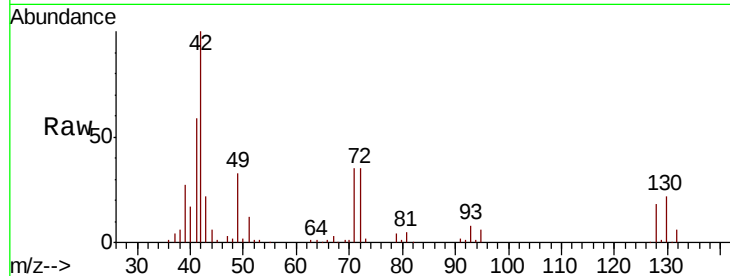




#29
Tetrahydrofuran
Concen: 141.058 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

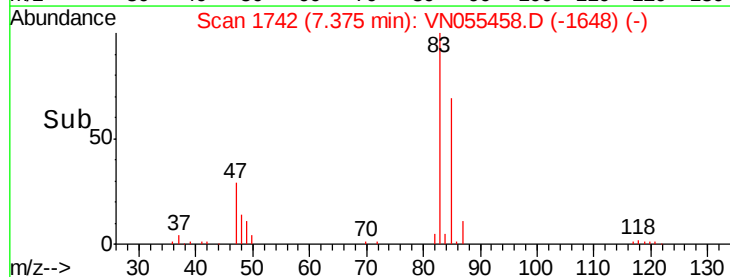
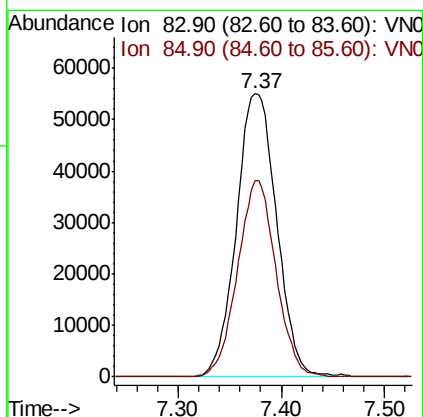
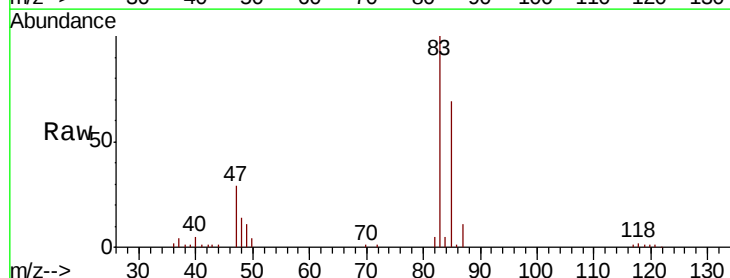
Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

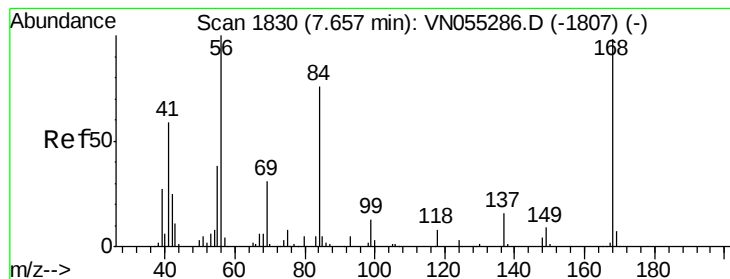
Tot Ion: 42 Resp: 156870
Ion Ratio Lower Upper
42 100
72 34.3 29.0 43.6
71 32.6 27.1 40.7



#30
Chloroform
Concen: 21.834 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 83 Resp: 149351
Ion Ratio Lower Upper
83 100
85 69.2 51.4 77.2





#31

Cyclohexane

Concen: 19.366 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

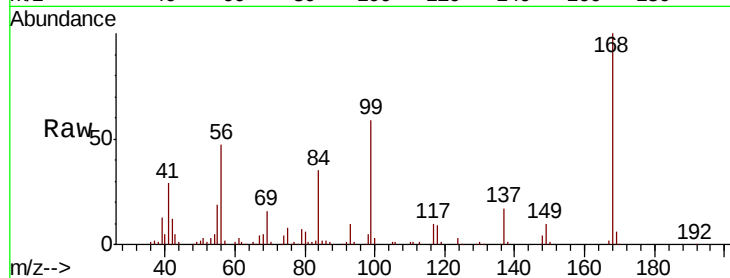
Tot Ion: 56 Resp: 132767

Ion Ratio Lower Upper

56 100

69 34.5 25.2 37.8

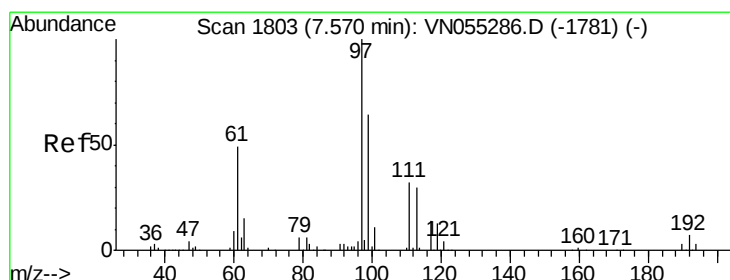
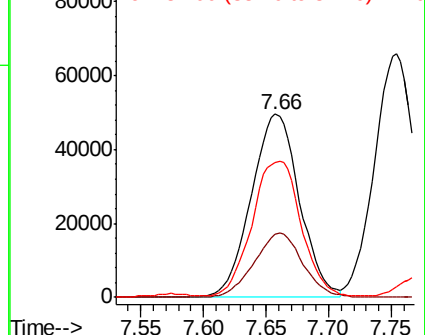
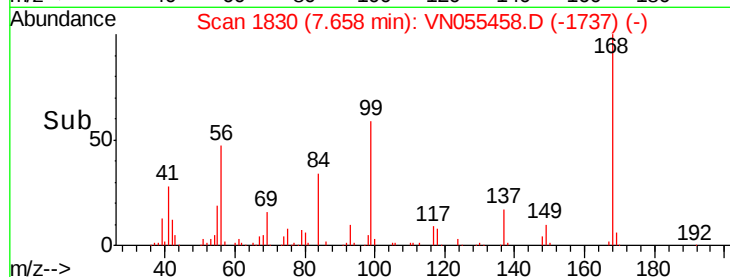
84 72.7 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN055286.D (-1807) (-)

Ion 69.00 (68.70 to 69.70): VN055286.D (-1807) (-)

Ion 84.00 (83.70 to 84.70): VN055286.D (-1807) (-)



#32

1,1,1-Trichloroethane

Concen: 21.210 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

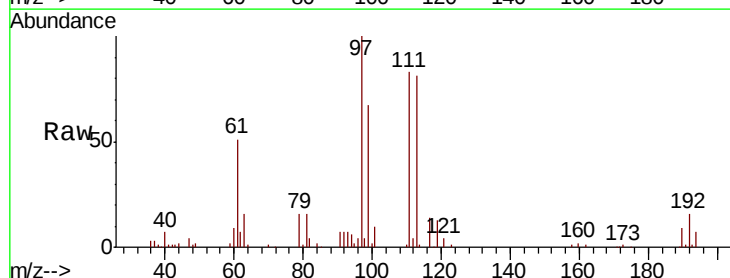
Tgt Ion: 97 Resp: 117747

Ion Ratio Lower Upper

97 100

99 65.3 51.8 77.8

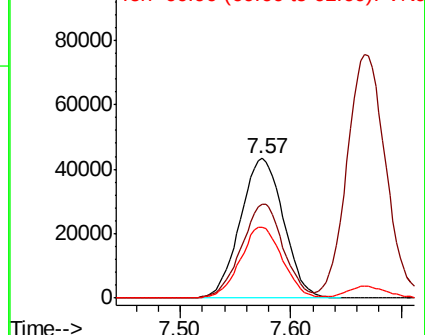
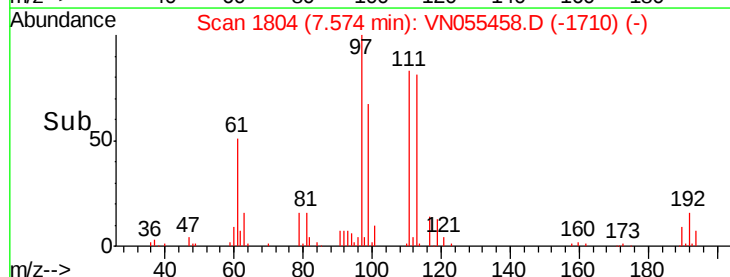
61 49.5 39.0 58.6

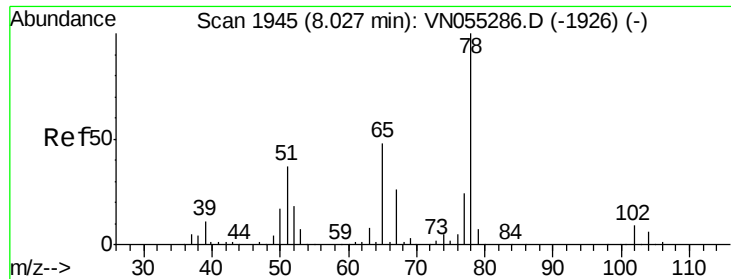


Abundance Ion 96.90 (96.60 to 97.60): VN055286.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055286.D (-1781) (-)

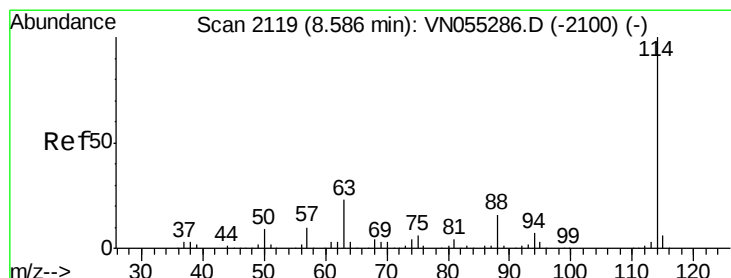
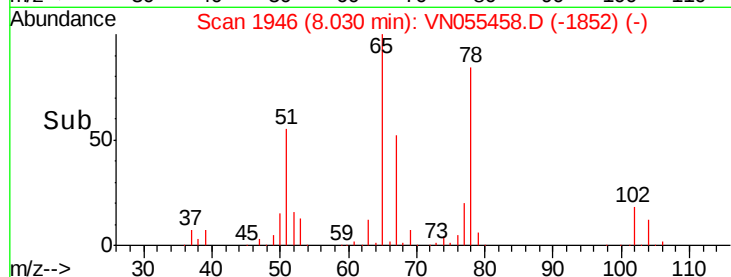
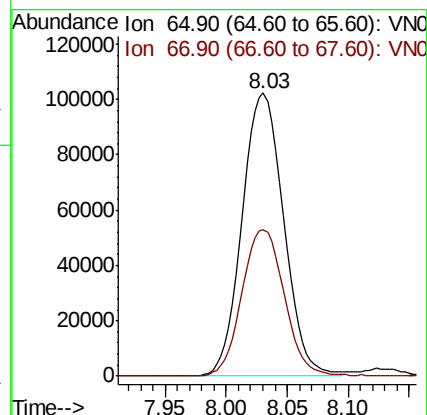
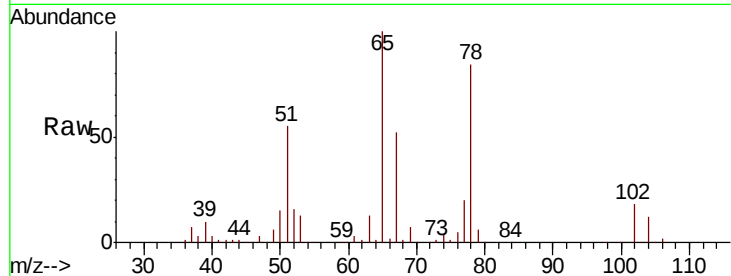




#33
 1,2-Dichloroethane-d4
 Concen: 55.519 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

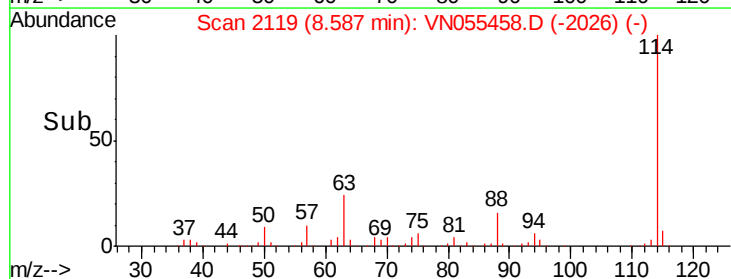
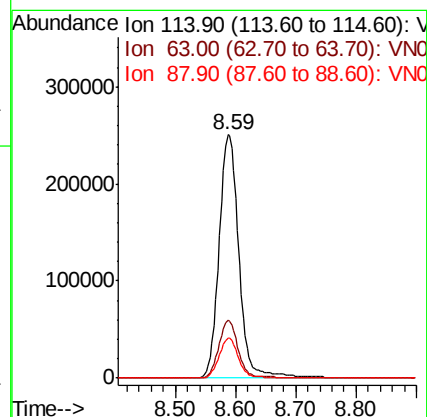
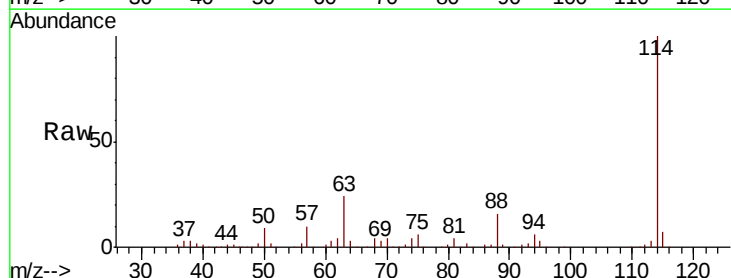
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

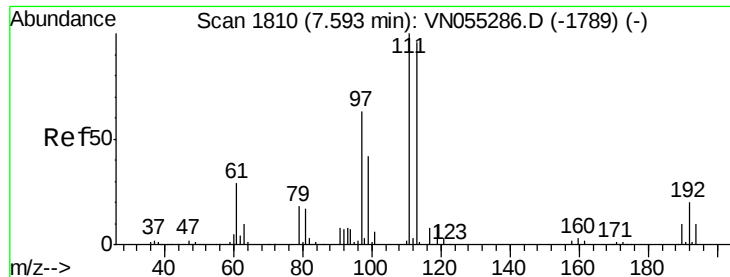
Tot Ion: 65 Resp: 241980
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion: 114 Resp: 564615
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.2
 88 16.4 0.0 31.6

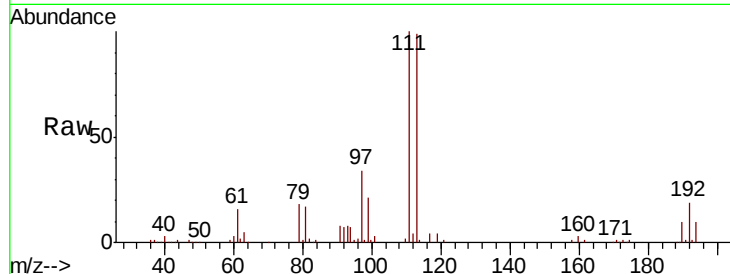




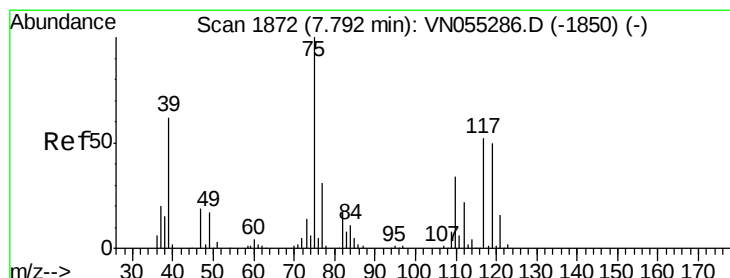
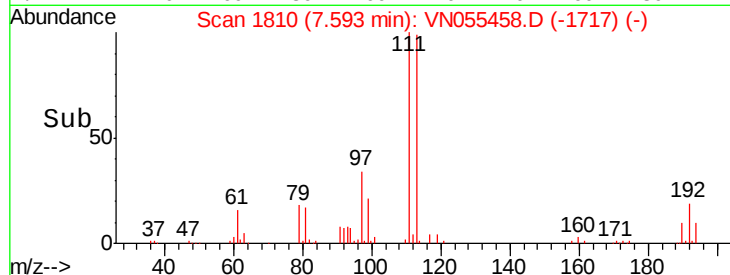
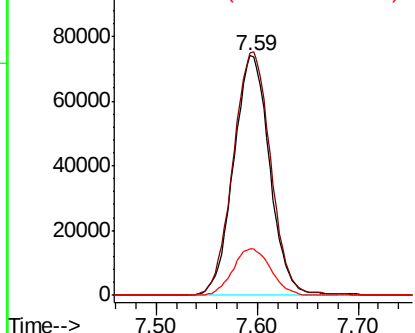
#35
 Dibromofluoromethane
 Concen: 49.522 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.3	123.5
192	20.6	17.0	25.6

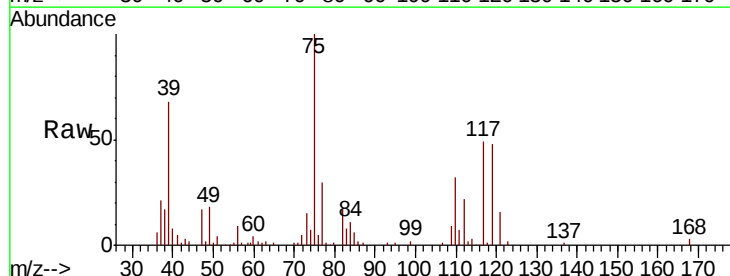


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

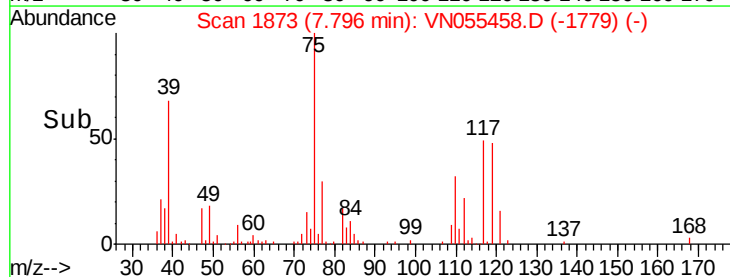
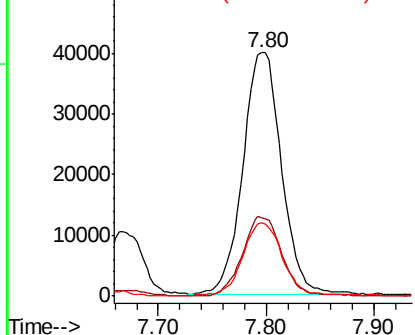


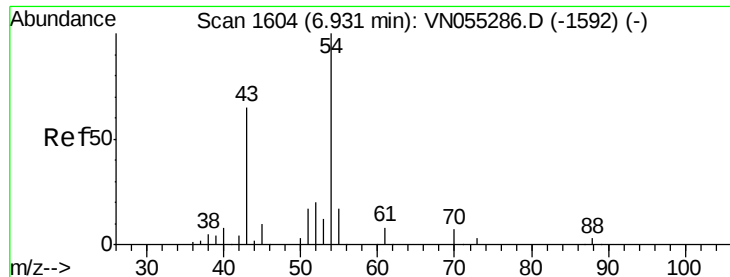
#36
 1,1-Dichloropropene
 Concen: 18.240 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.8	50.4
77	31.3	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

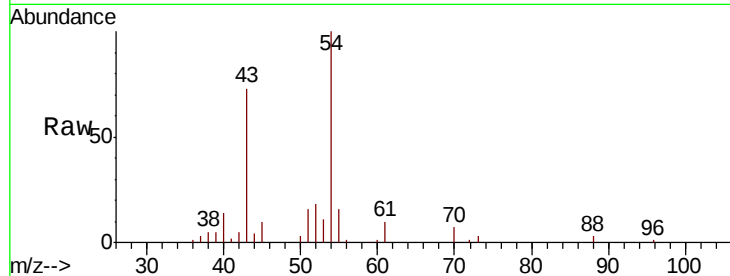




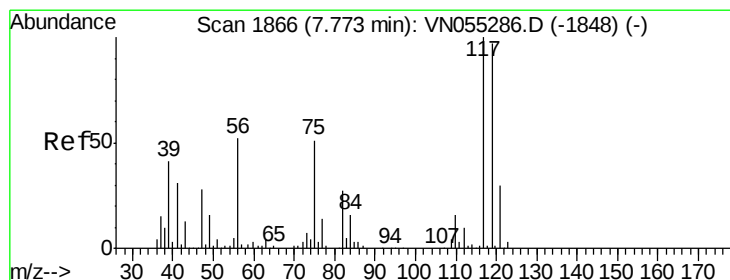
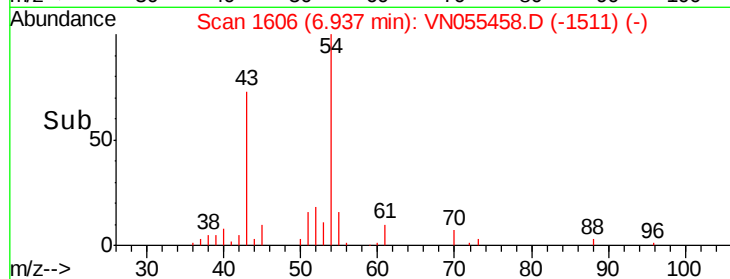
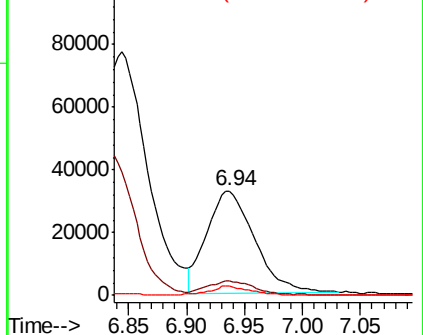
#37
Ethyl Acetate
Concen: 22.564 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 43 Resp: 93524
Ion Ratio Lower Upper
43 100
61 12.5 10.4 15.6
70 8.0 6.6 10.0

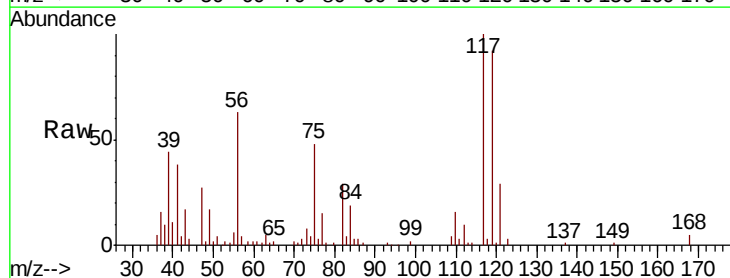


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

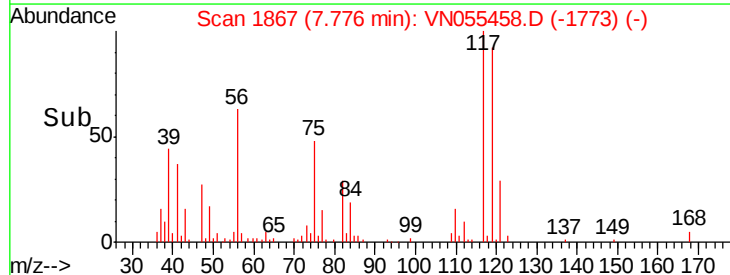
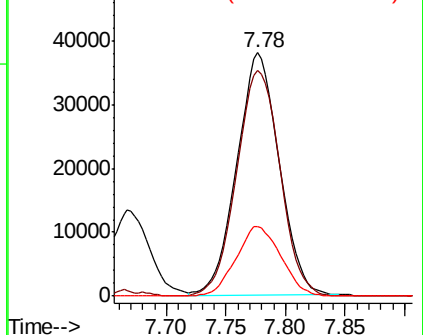


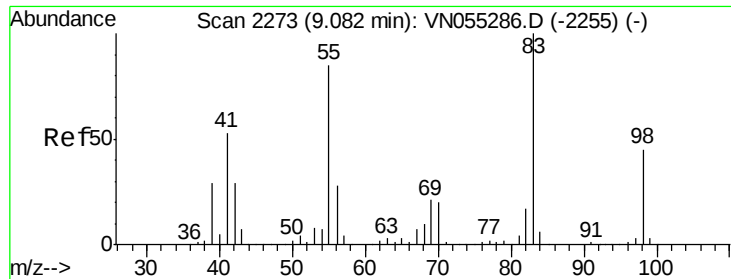
#38
Carbon Tetrachloride
Concen: 17.929 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 117 Resp: 93534
Ion Ratio Lower Upper
117 100
119 93.0 77.0 115.6
121 28.9 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

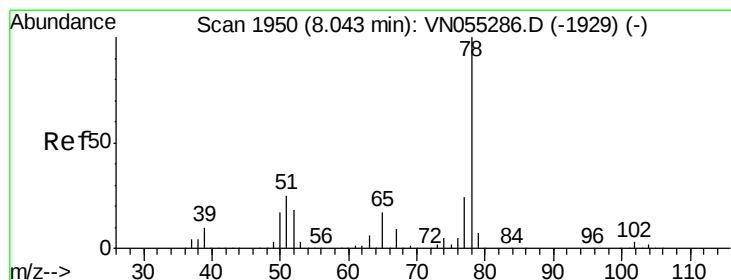
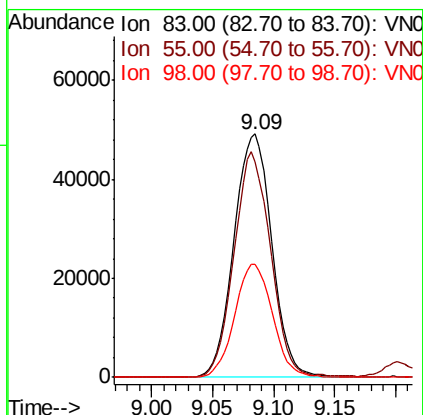
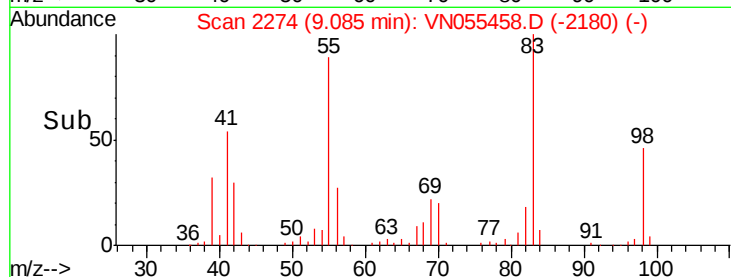
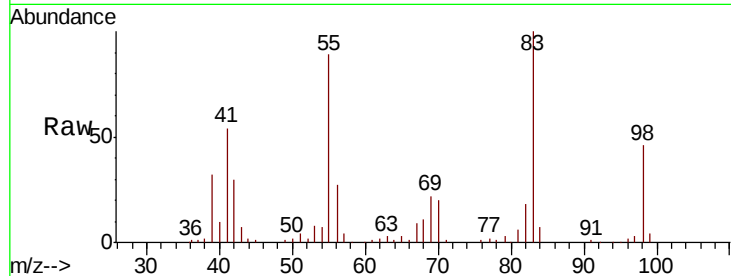




#39
Methvlcvclohexane
Concen: 18.369 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

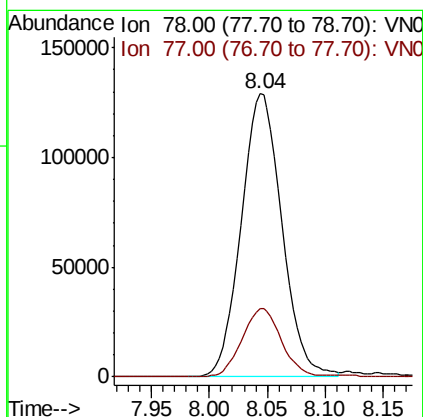
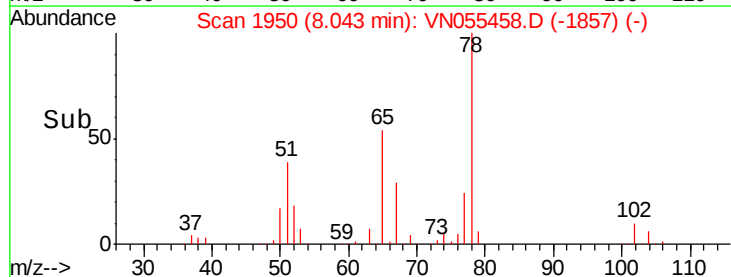
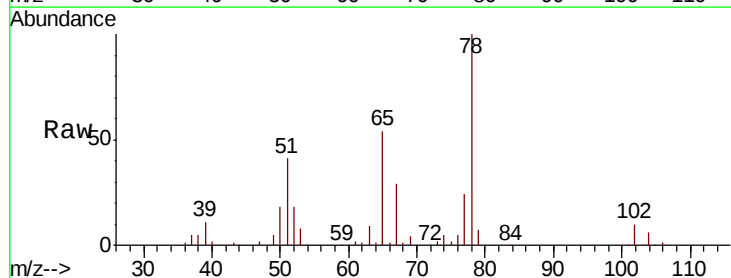
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

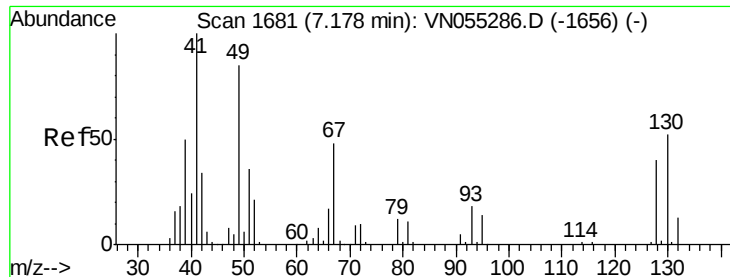
Tot Ion: 83 Resp: 105621
Ion Ratio Lower Upper
83 100
55 88.7 67.8 101.6
98 46.4 36.2 54.4



#40
Benzene
Concen: 19.802 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 78 Resp: 315692
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#41

Methacrylonitrile

Concen: 21.901 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion: 41 Resp: 48182

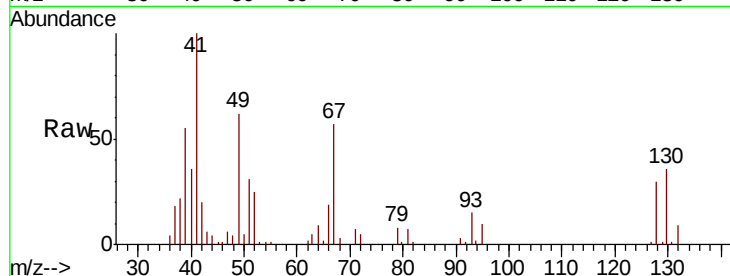
Ion Ratio Lower Upper

41 100

39 69.6 48.5 72.7

67 76.3 54.9 82.3

52 35.4 24.9 37.3

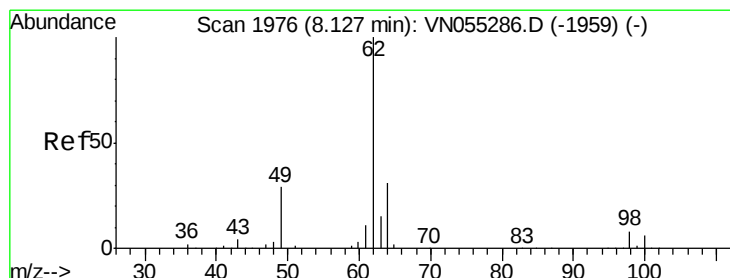
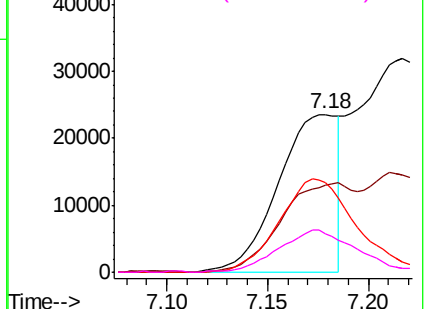
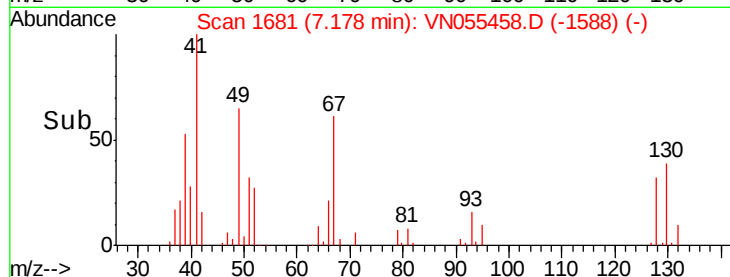


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.113 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055458.D

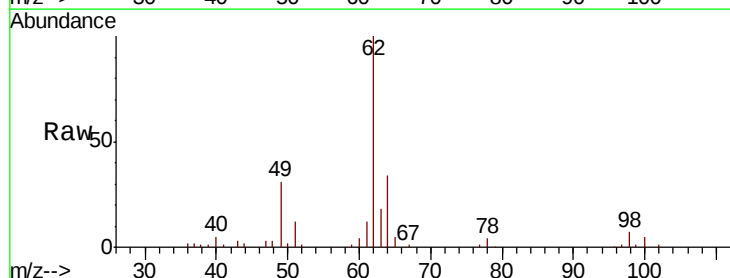
Acq: 8 May 2019 00:44

Tgt Ion: 62 Resp: 119219

Ion Ratio Lower Upper

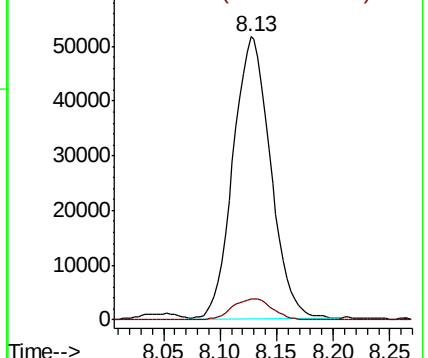
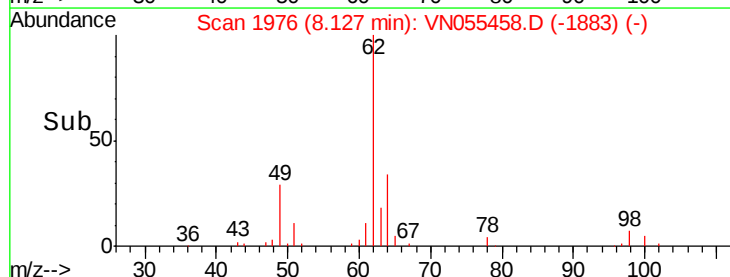
62 100

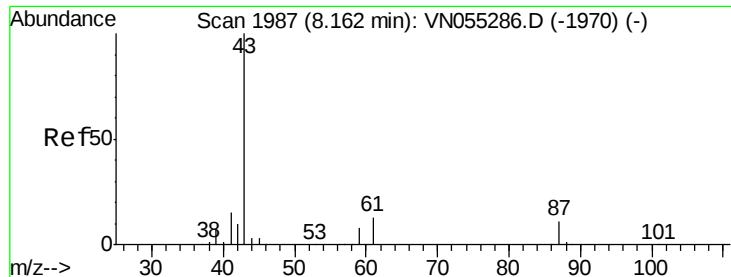
98 7.9 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 24.916 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

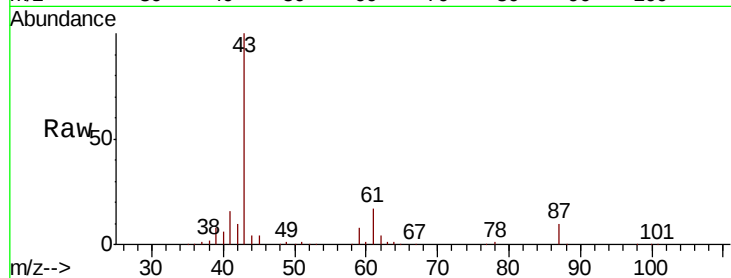
Tot Ion: 43 Resp: 165969

Ion Ratio Lower Upper

43 100

61 16.8 20.8 31.2#

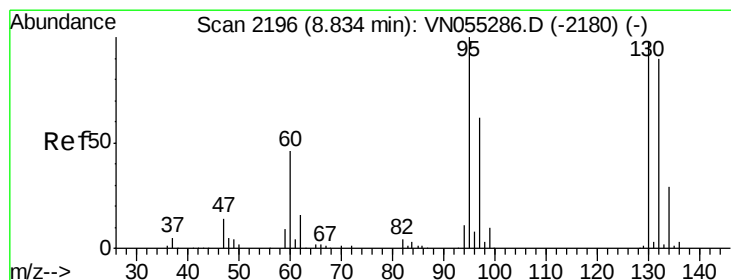
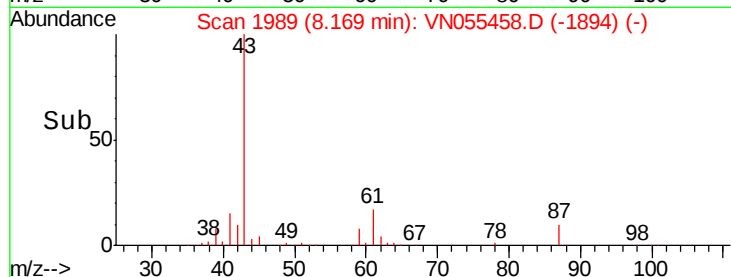
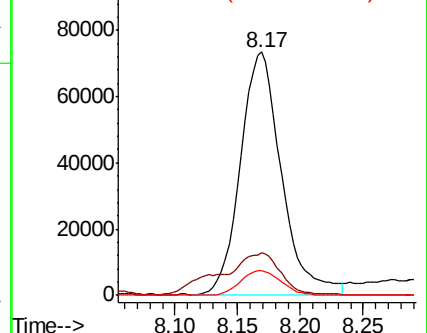
87 10.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN055458.D (-1989) (-)

Ion 61.00 (60.70 to 61.70): VN055458.D (-1989) (-)

Ion 87.00 (86.70 to 87.70): VN055458.D (-1989) (-)



#44

Trichloroethene

Concen: 19.082 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055458.D

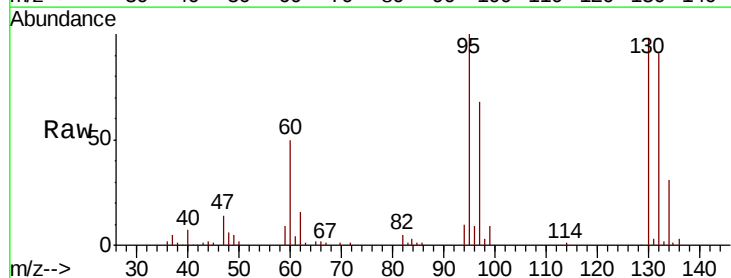
Acq: 8 May 2019 00:44

Tgt Ion: 130 Resp: 77556

Ion Ratio Lower Upper

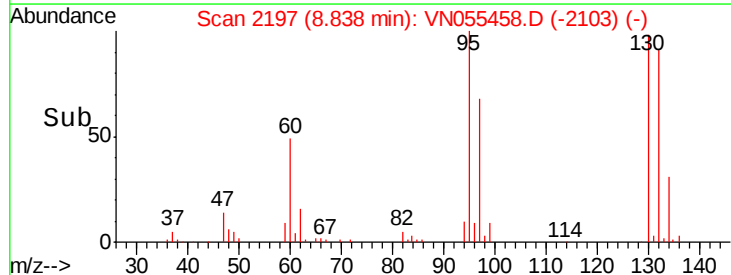
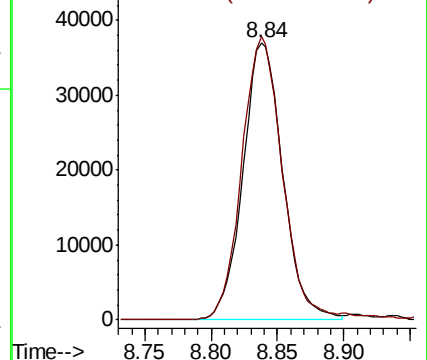
130 100

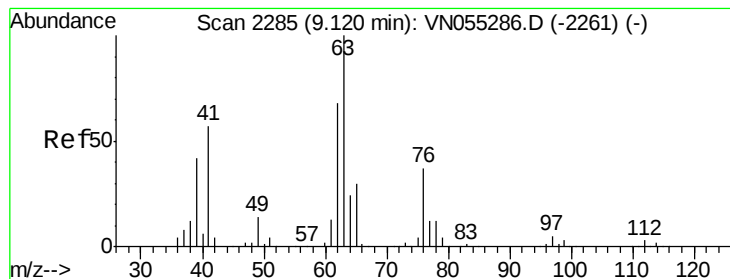
95 102.1 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055458.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN055458.D (-2197) (-)





#45

1,2-Dichloropropane

Concen: 20.768 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

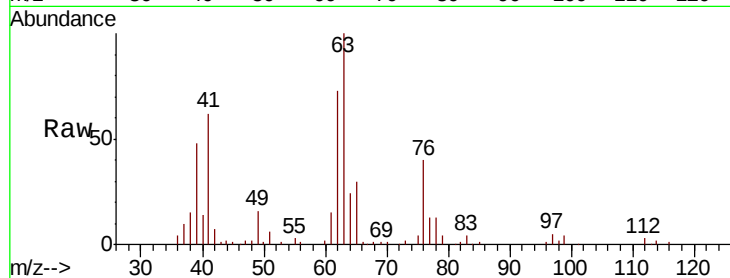
VN0507MBSD01

Tot Ion: 63 Resp: 95493

Ion Ratio Lower Upper

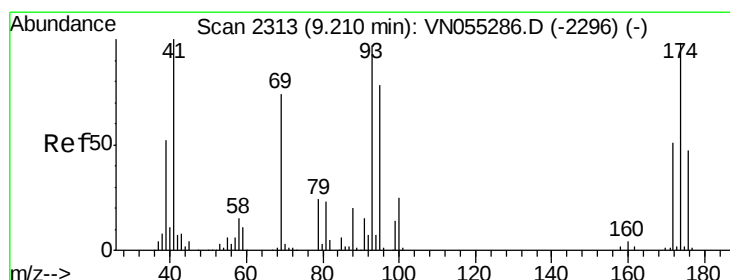
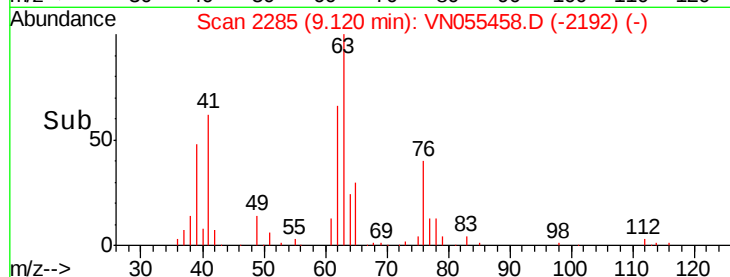
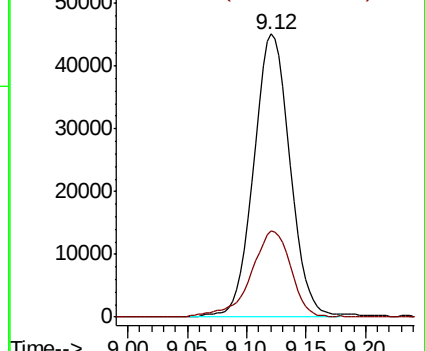
63 100

65 29.9 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: 20.949 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

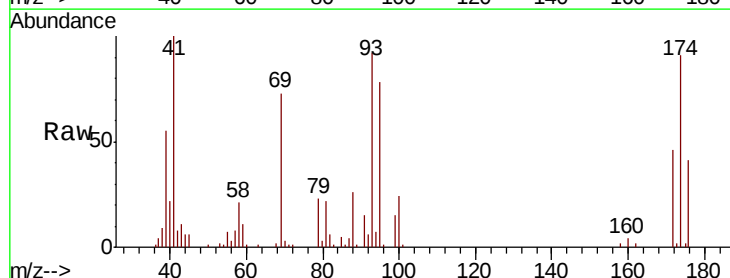
Tgt Ion: 93 Resp: 52653

Ion Ratio Lower Upper

93 100

95 85.2 65.7 98.5

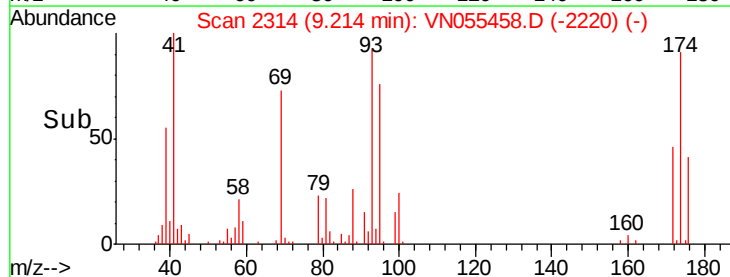
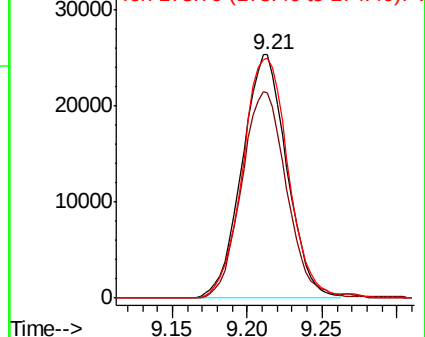
174 100.5 81.5 122.3



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: 20.060 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

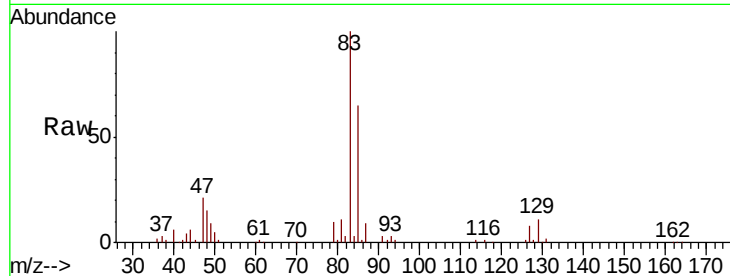
Tot Ion: 83 Resp: 108163

Ion Ratio Lower Upper

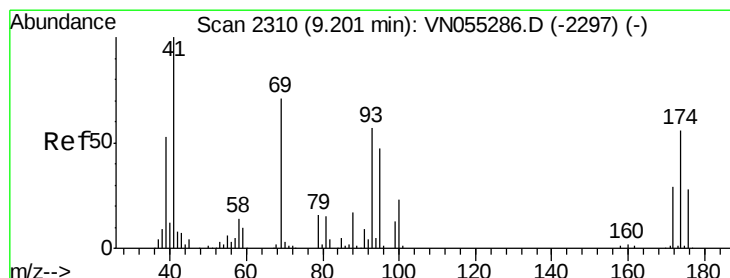
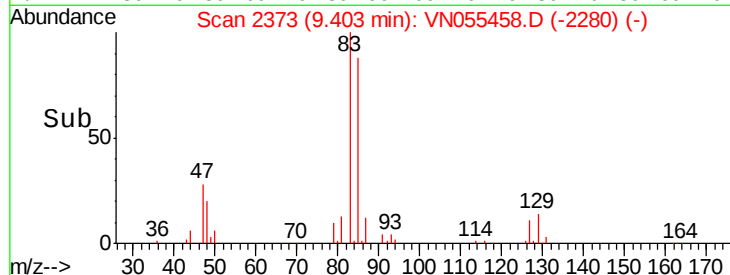
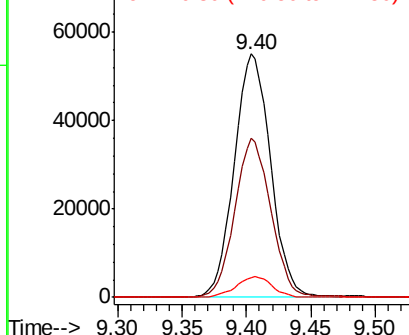
83 100

85 65.1 50.1 75.1

127 8.2 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 23.969 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

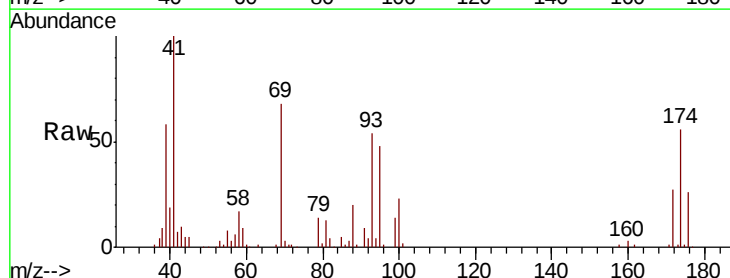
Tgt Ion: 41 Resp: 78488

Ion Ratio Lower Upper

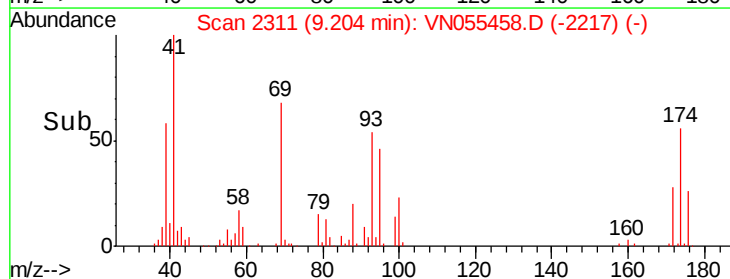
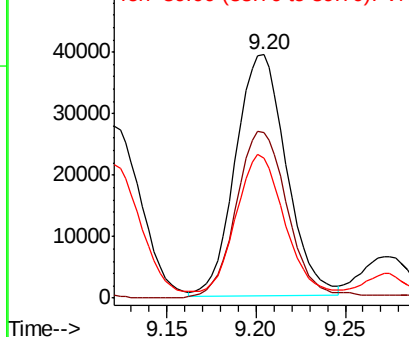
41 100

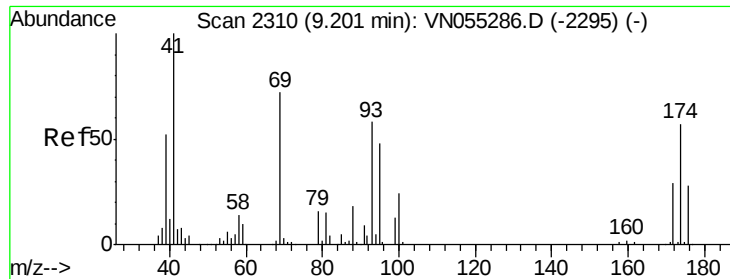
69 70.1 58.6 87.8

39 57.2 43.8 65.6



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





#49

1,4-Dioxane

Concen: 521.822 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

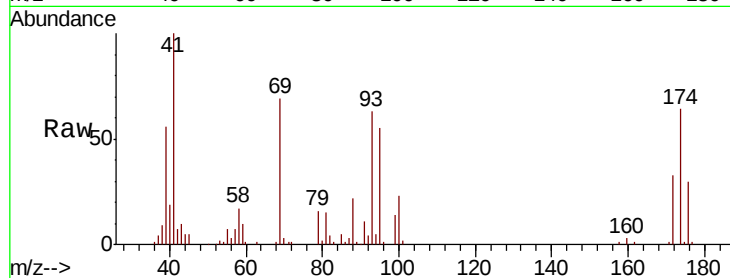
Tot Ion: 88 Resp: 17664

Ion Ratio Lower Upper

88 100

43 43.9 33.3 49.9

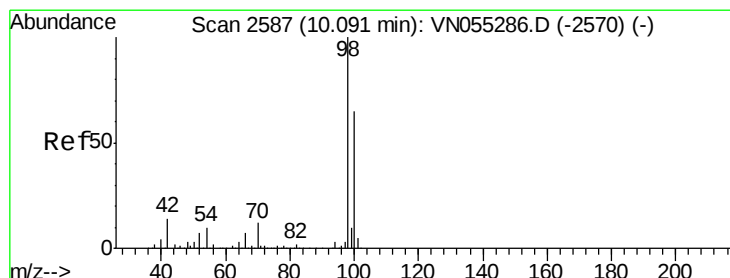
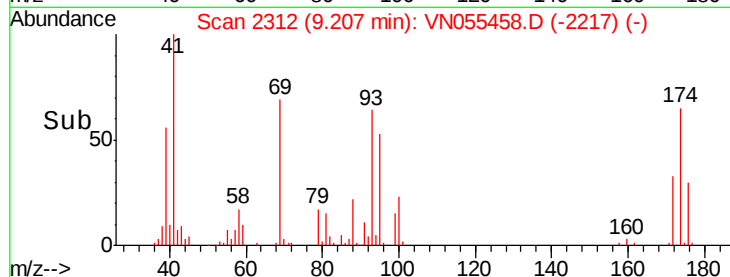
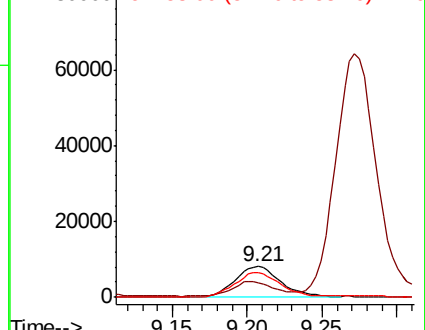
58 78.5 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055286.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055286.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2295) (-)



#50

Toluene-d8

Concen: 47.950 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055458.D

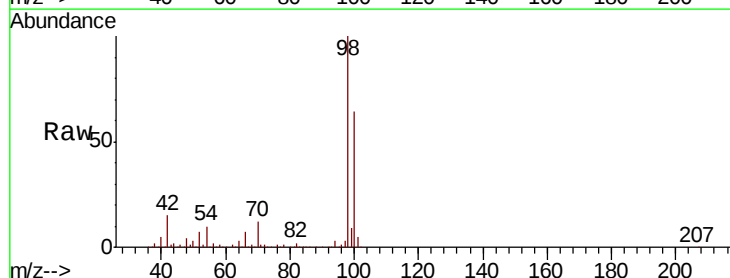
Acq: 8 May 2019 00:44

Tgt Ion: 98 Resp: 641657

Ion Ratio Lower Upper

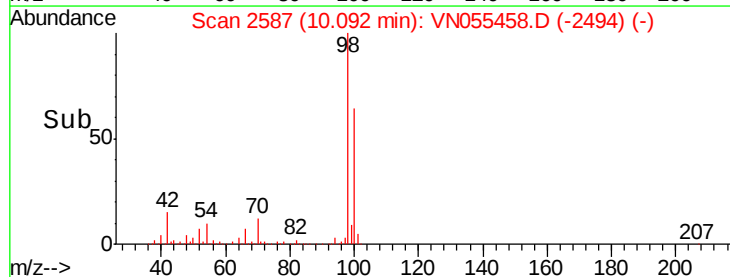
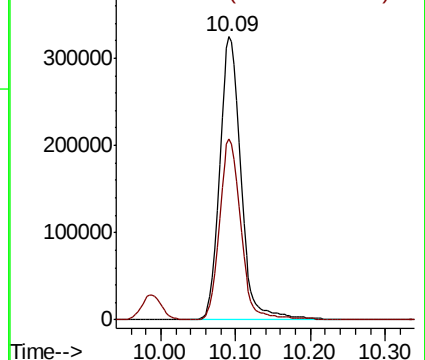
98 100

100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 128.497 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

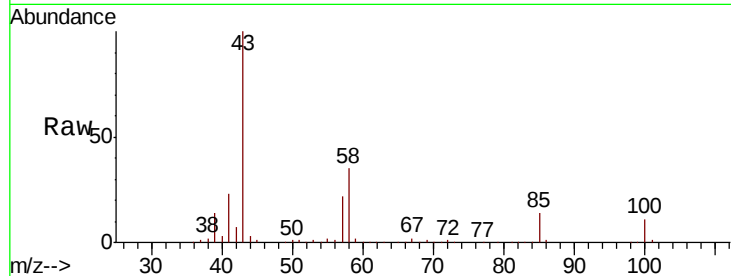
VN0507MBSD01

Tot Ion: 43 Resp: 481899

Ion Ratio Lower Upper

43 100

58 34.5 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-2537) (-)

9.99

250000

200000

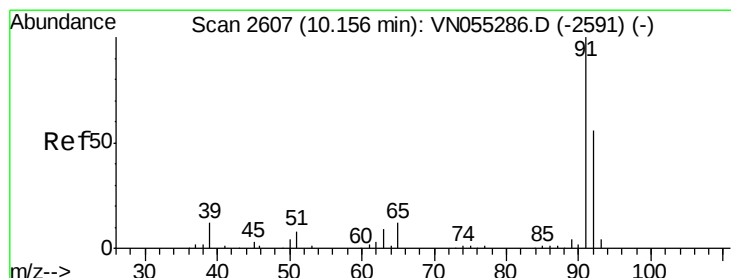
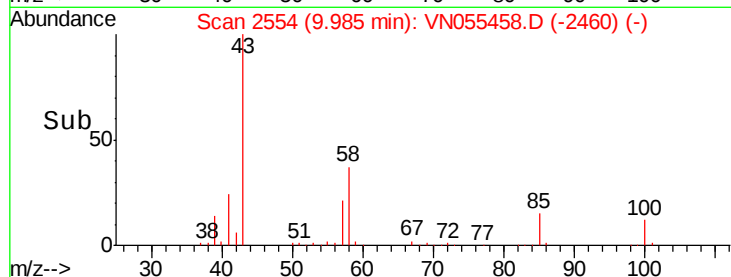
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.637 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055458.D

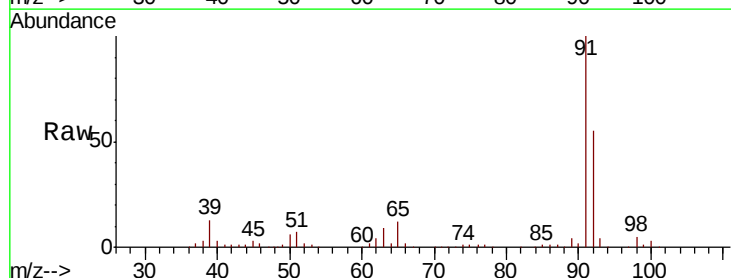
Acq: 8 May 2019 00:44

Tgt Ion: 92 Resp: 179632

Ion Ratio Lower Upper

92 100

91 178.5 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN055286.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055286.D (-2591) (-)

10.16

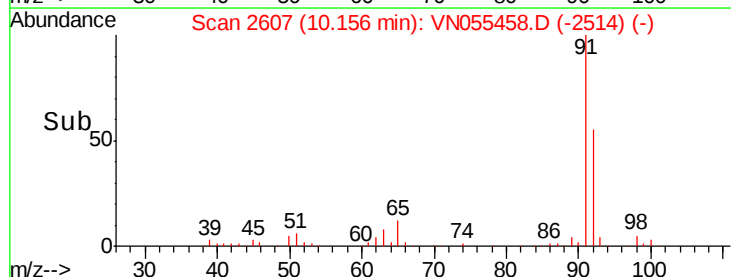
150000

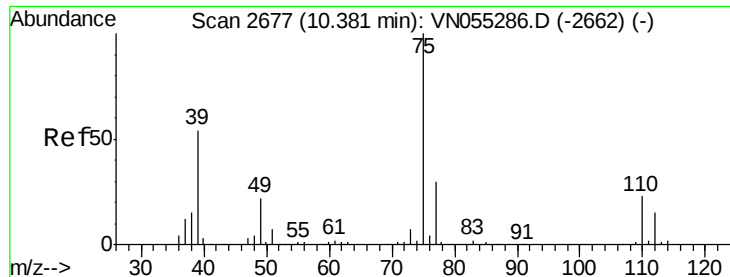
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.429 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

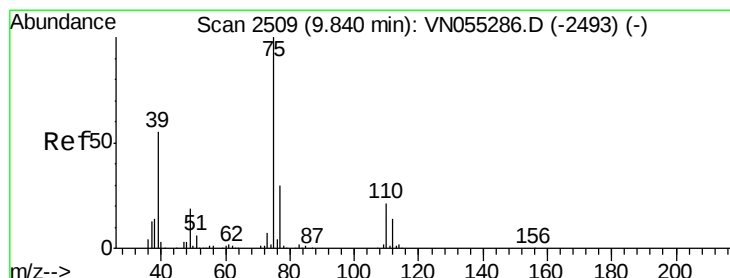
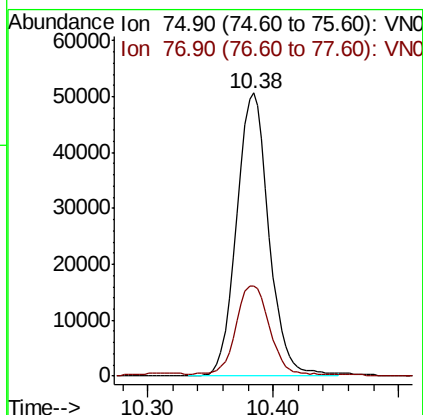
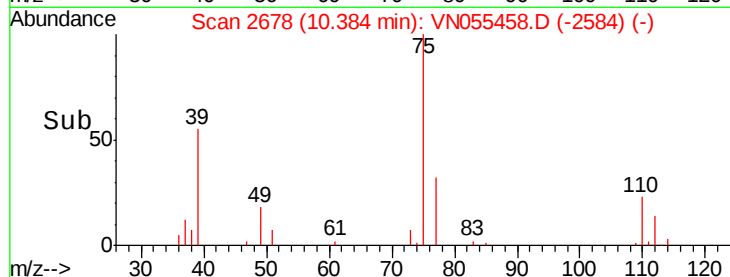
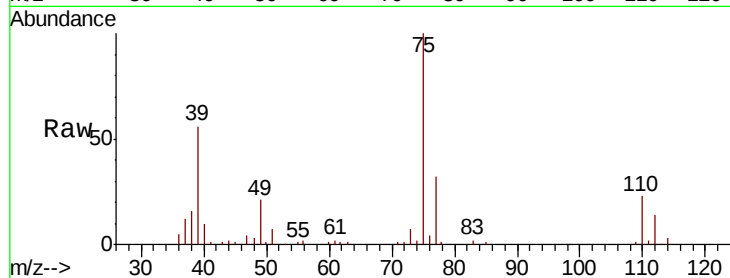
VN0507MBSD01

Tot Ion: 75 Resp: 90942

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.251 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

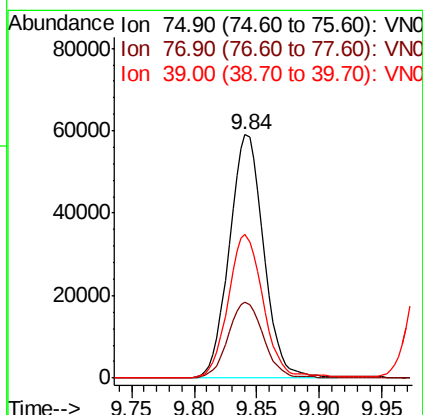
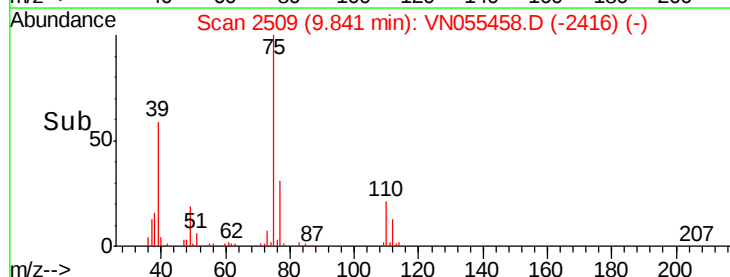
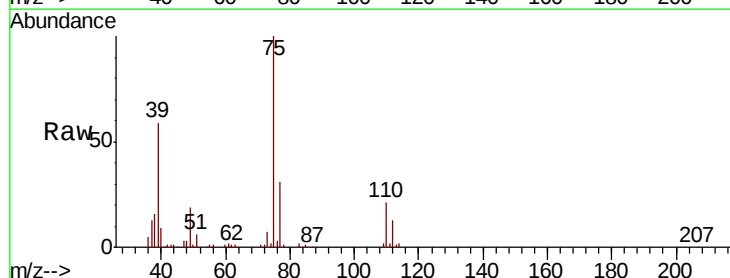
Tgt Ion: 75 Resp: 112349

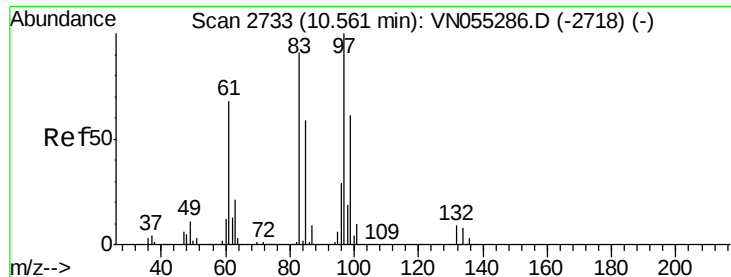
Ion Ratio Lower Upper

75 100

77 31.1 24.2 36.2

39 58.6 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 22.527 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion: 97 Resp: 76521

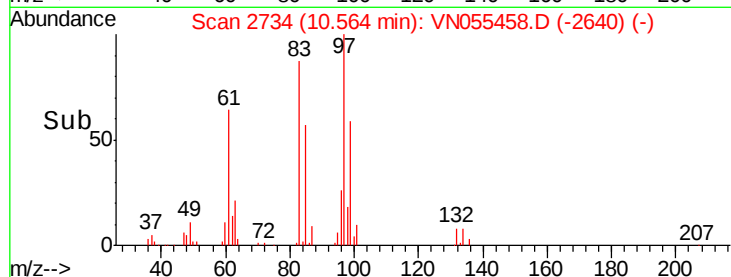
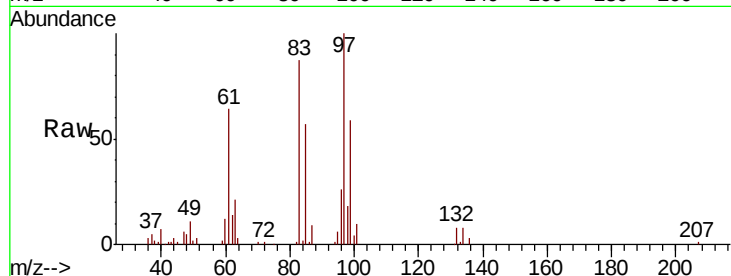
Ion	Ratio	Lower	Upper
97	100		
83	87.4	72.8	109.2
85	57.1	47.0	70.6
99	58.7	49.0	73.4

97 100

83 87.4 72.8 109.2

85 57.1 47.0 70.6

99 58.7 49.0 73.4



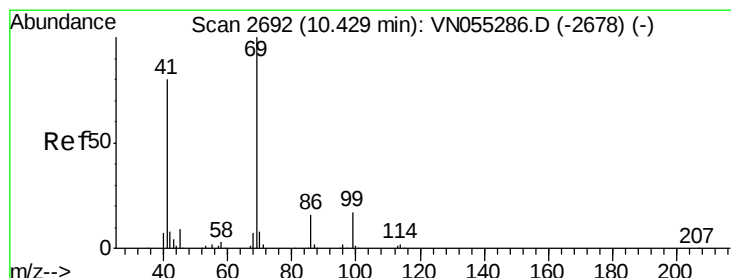
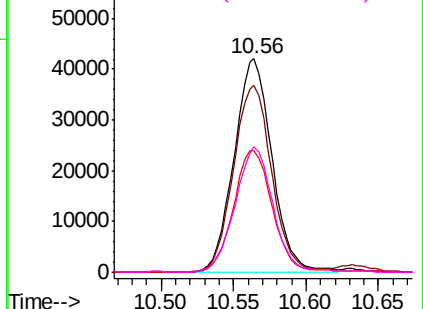
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 23.386 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

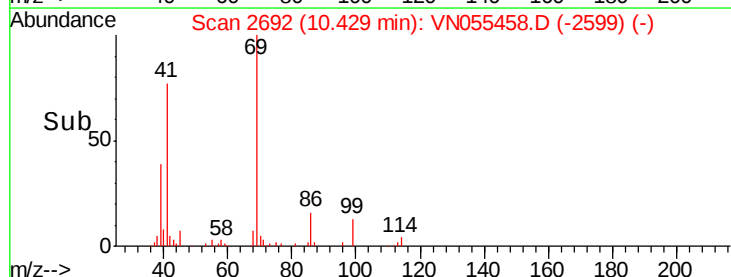
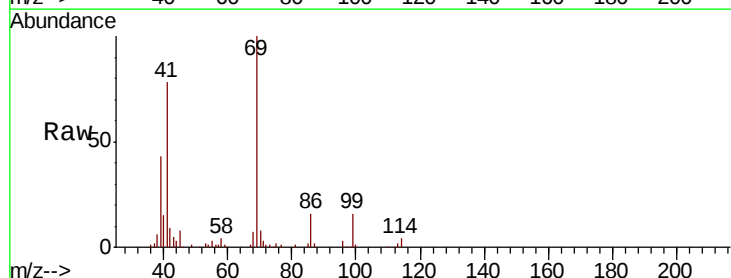
Tgt Ion: 69 Resp: 97775

Ion	Ratio	Lower	Upper
69	100		
41	79.2	62.7	94.1
39	42.0	32.0	48.0

69 100

41 79.2 62.7 94.1

39 42.0 32.0 48.0

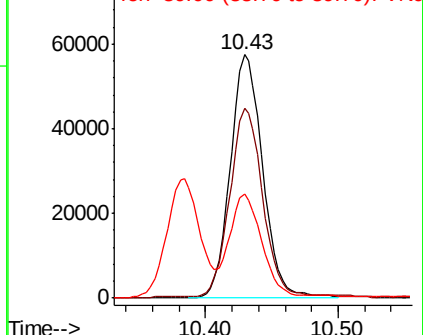


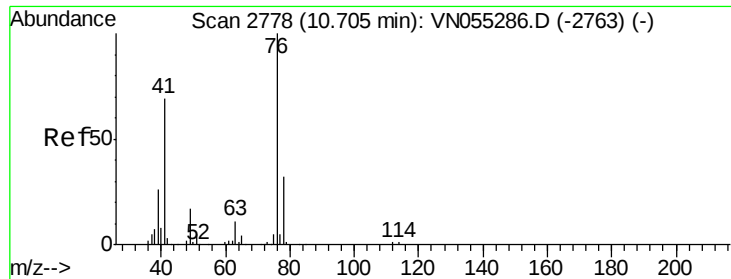
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 22.033 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

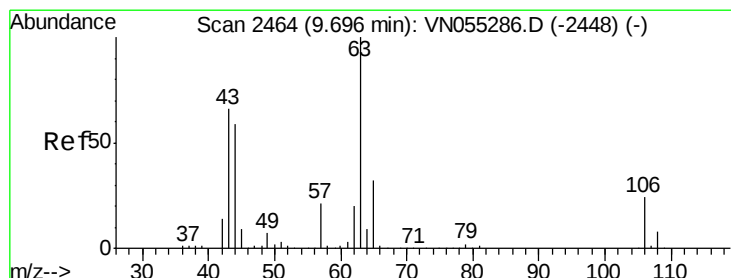
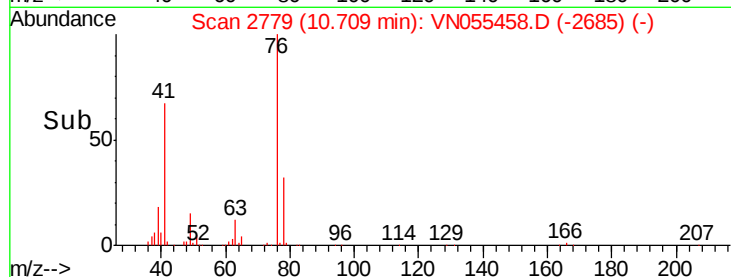
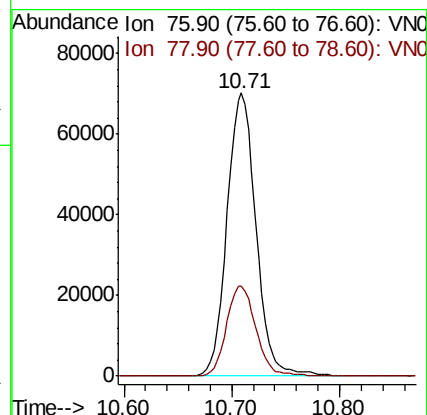
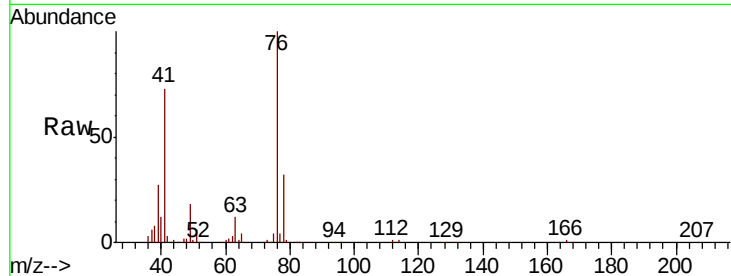
VN0507MBSD01

Tot Ion: 76 Resp: 131294

Ion Ratio Lower Upper

76 100

78 32.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 76.034 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055458.D

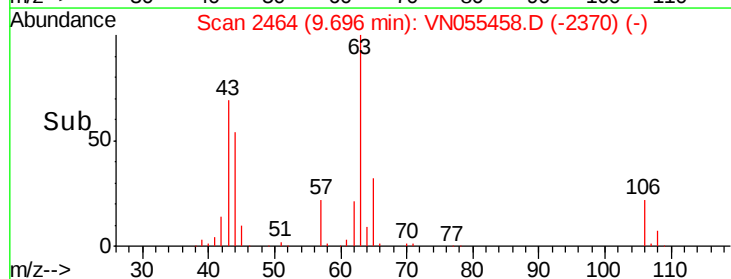
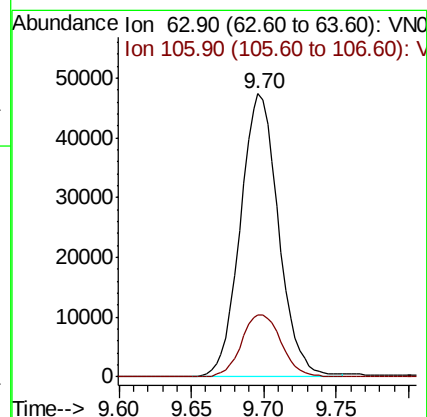
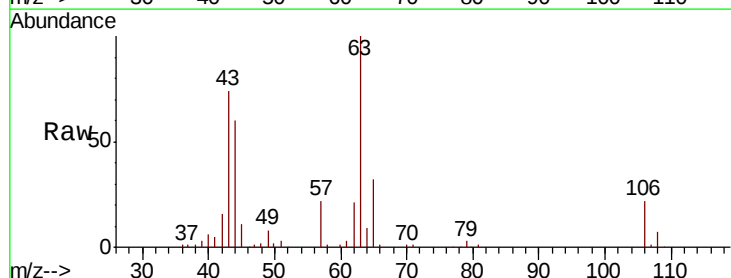
Acq: 8 May 2019 00:44

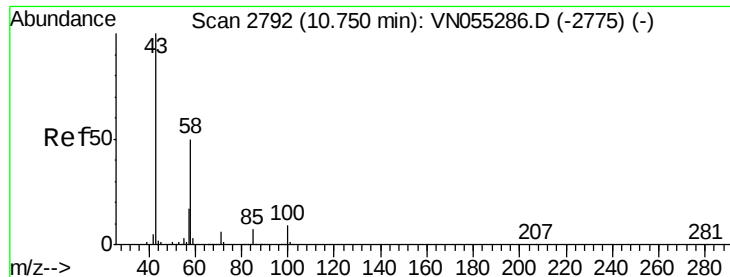
Tgt Ion: 63 Resp: 86873

Ion Ratio Lower Upper

63 100

106 22.8 19.0 28.4

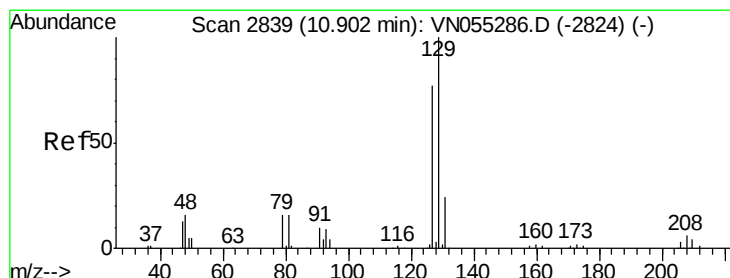
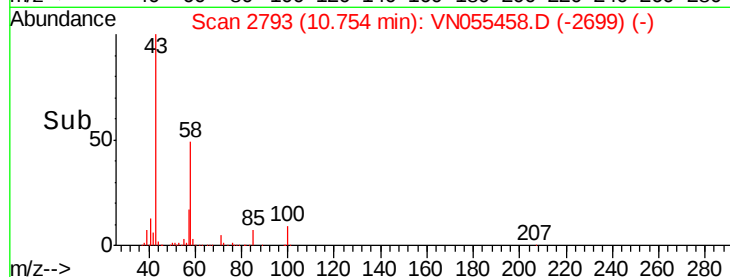
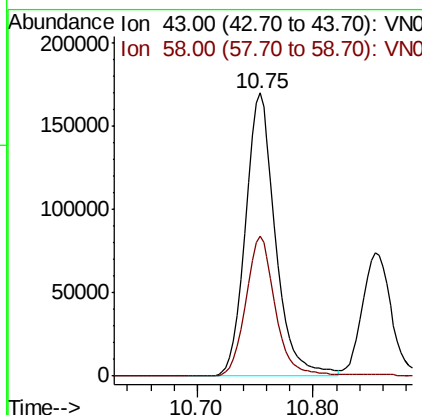
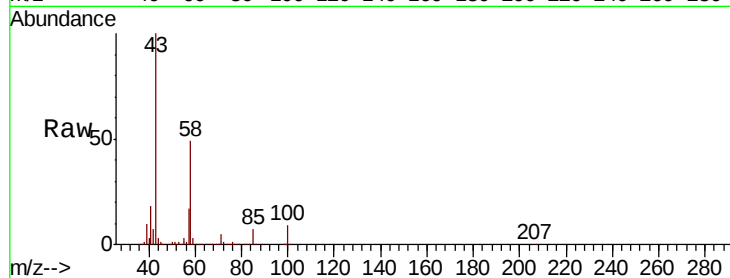




#59
2-Hexanone
Concen: 129.500 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

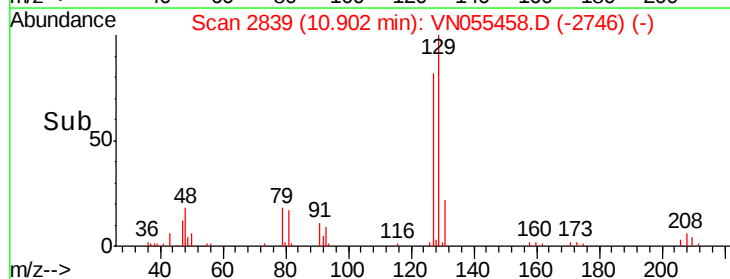
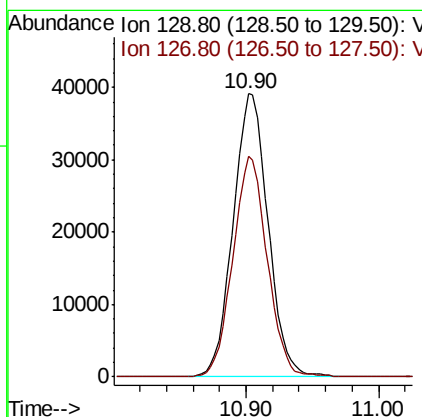
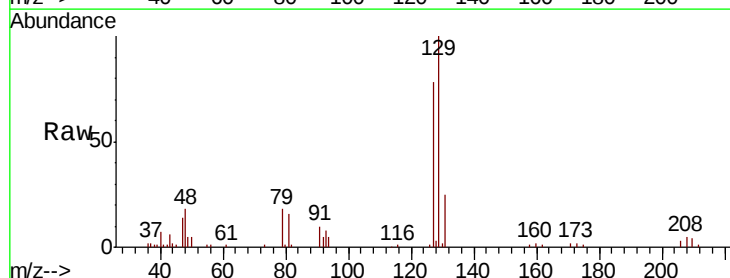
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

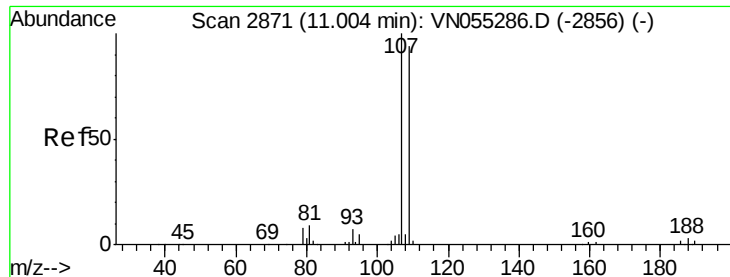
Tot Ion: 43 Resp: 303871
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6



#60
Dibromochloromethane
Concen: 20.630 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 129 Resp: 71623
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.378 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

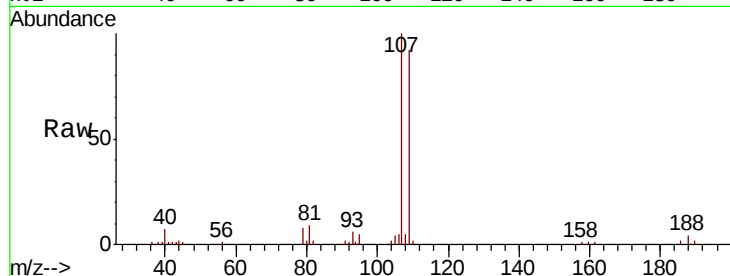
VN0507MBSD01

Tot Ion:107 Resp: 67119

Ion Ratio Lower Upper

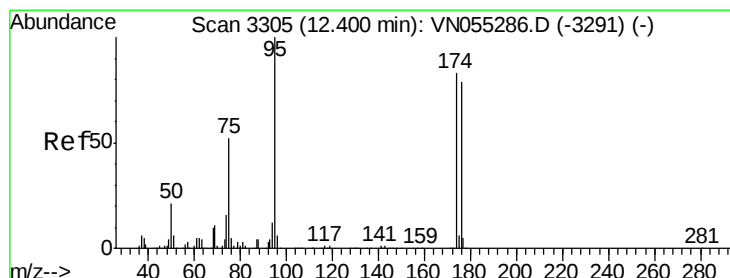
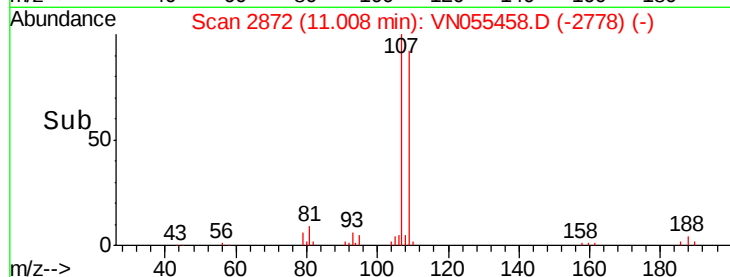
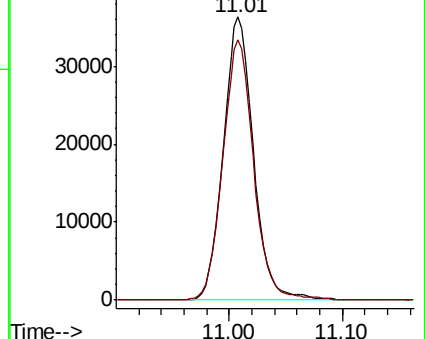
107 100

109 94.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.015 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

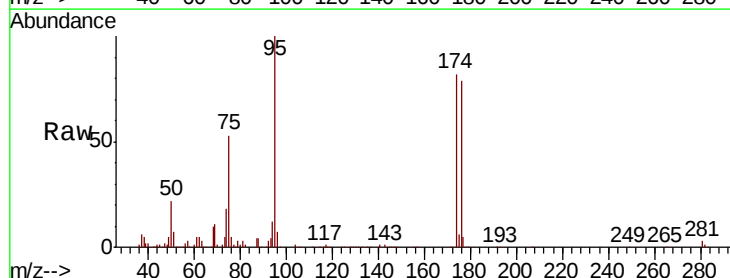
Tgt Ion: 95 Resp: 213358

Ion Ratio Lower Upper

95 100

174 81.6 0.0 166.6

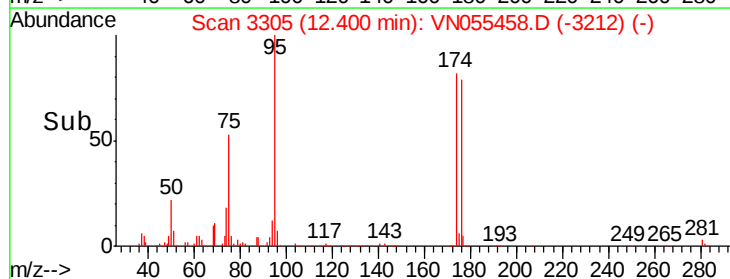
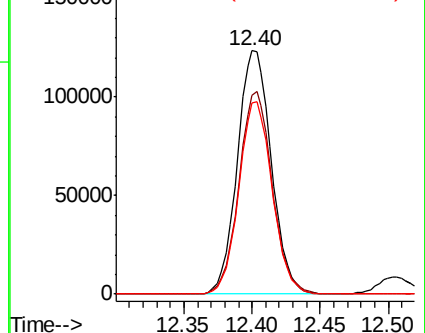
176 77.8 0.0 157.8

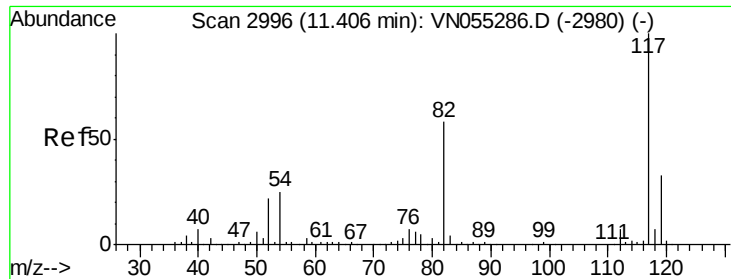


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

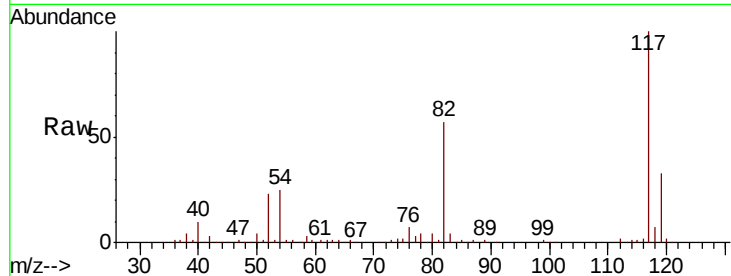




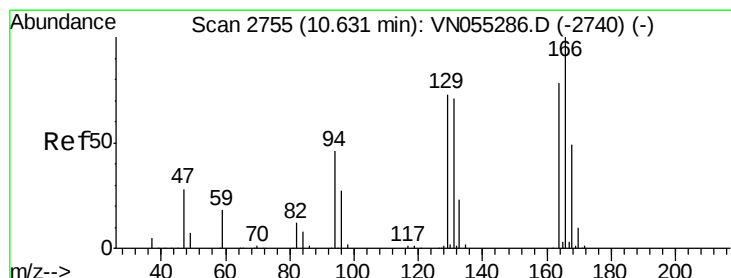
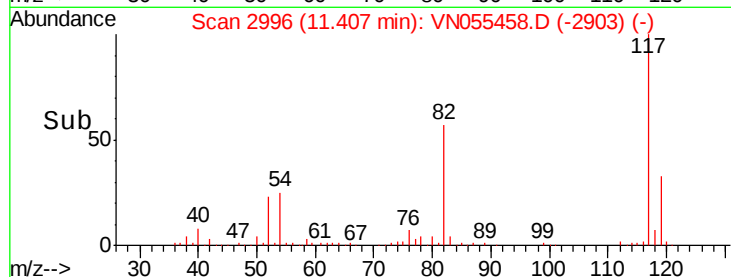
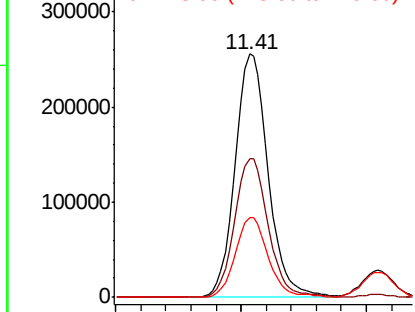
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion:117 Resp: 469211
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.4
119 33.0 26.6 40.0

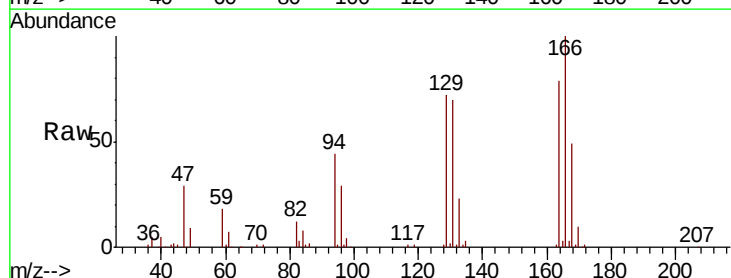


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

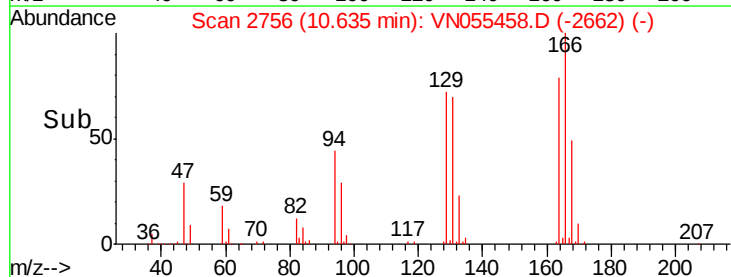
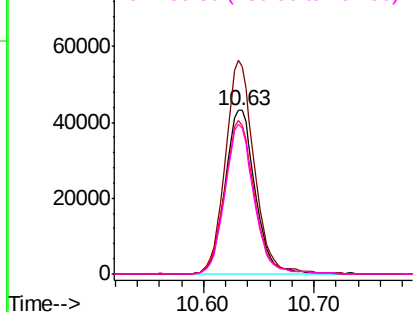


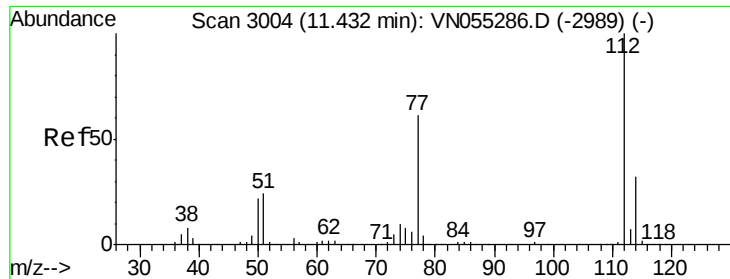
#64
Tetrachloroethene
Concen: 21.314 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion:164 Resp: 81783
Ion Ratio Lower Upper
164 100
166 126.9 102.3 153.5
129 91.0 75.0 112.6
131 88.9 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

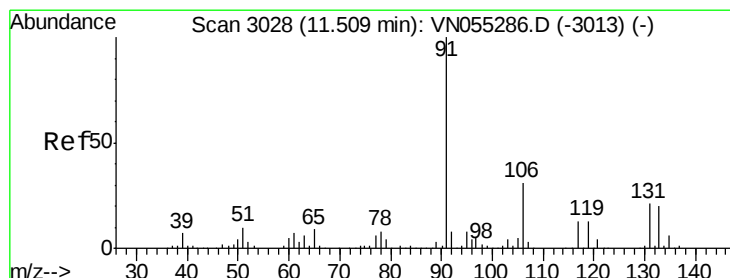
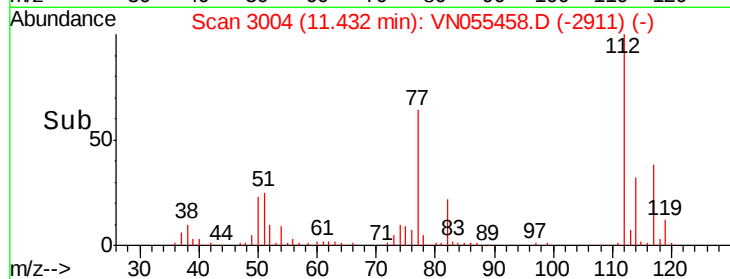
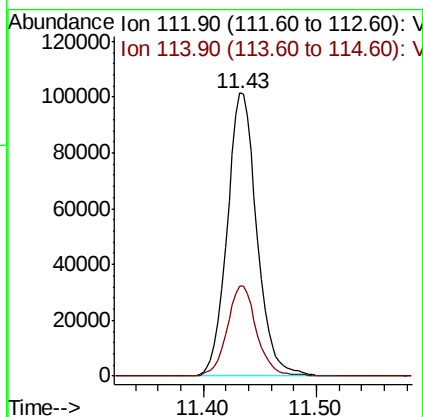
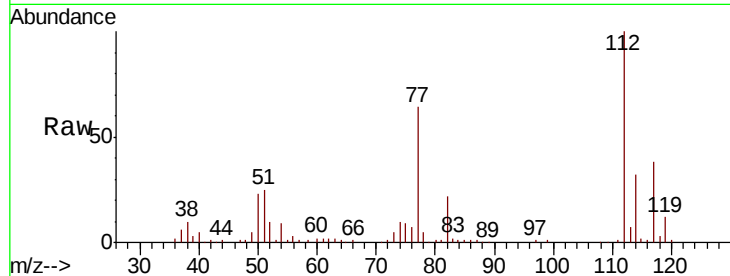




#65
Chlorobenzene
Concen: 20.209 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

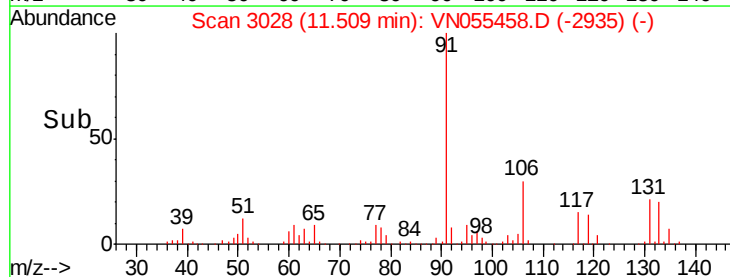
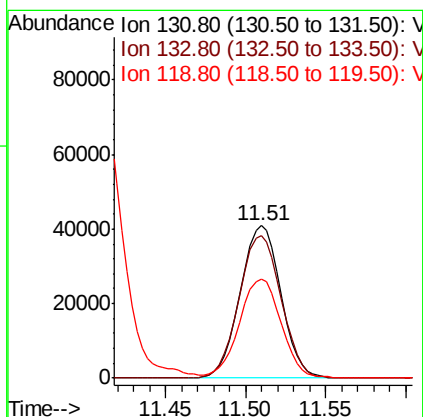
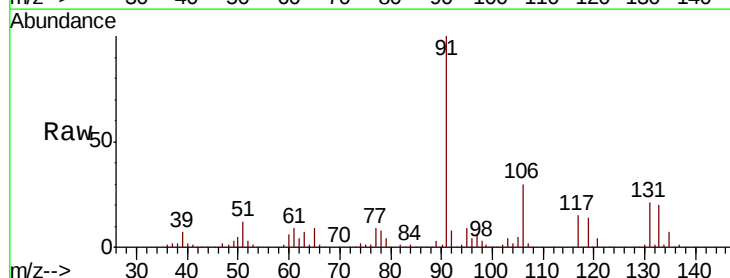
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion:112 Resp: 185389
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.762 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion:131 Resp: 70989
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.6
119 66.7 32.7 98.1

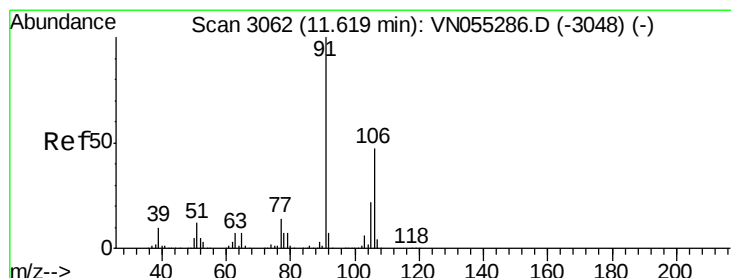
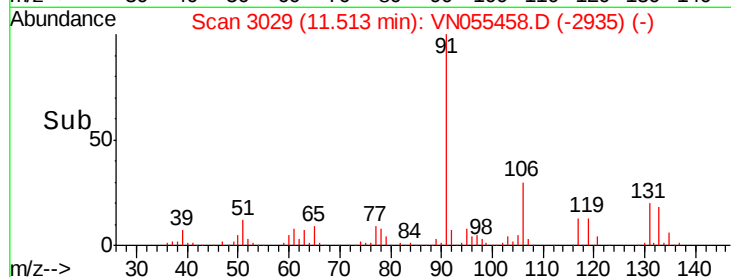
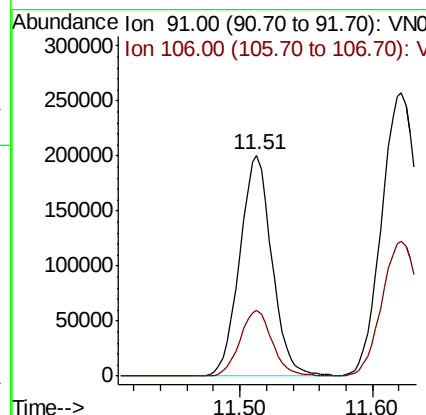
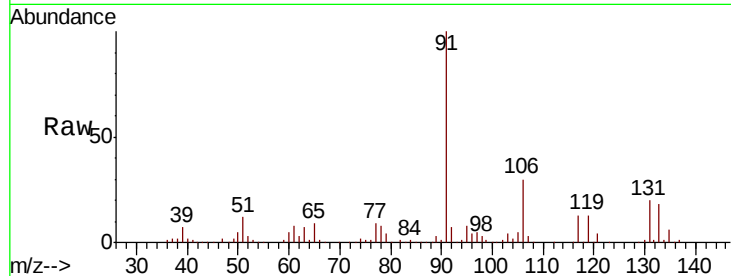




#67
Ethvl Benzene
Concen: 20.420 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

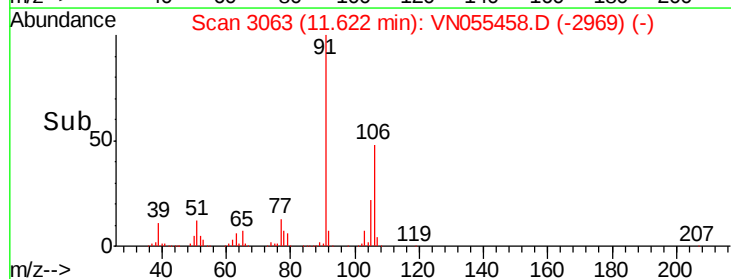
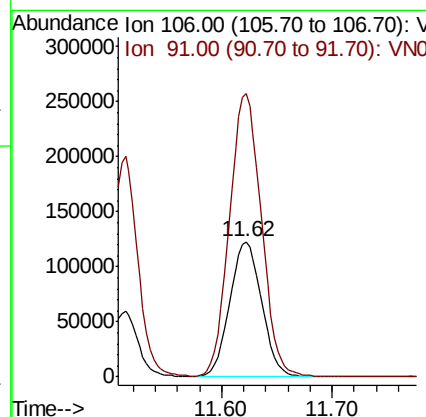
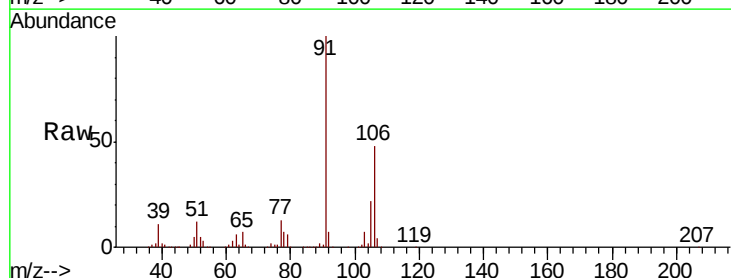
Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

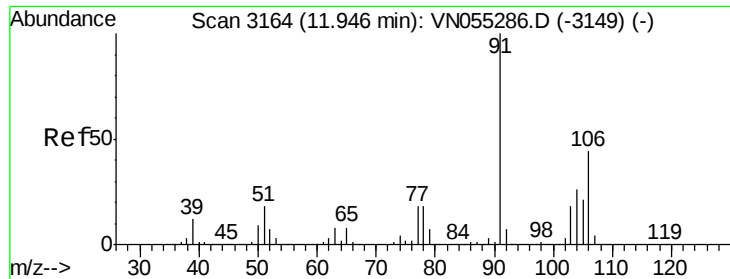
Tot Ion: 91 Resp: 338277
Ion Ratio Lower Upper
91 100
106 29.6 24.6 36.8



#68
m/p-Xylenes
Concen: 41.659 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 106 Resp: 246333
Ion Ratio Lower Upper
106 100
91 209.0 169.5 254.3

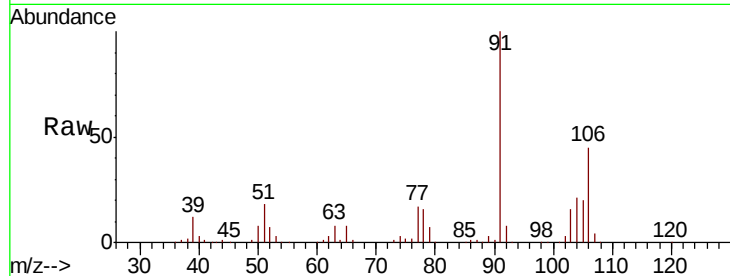




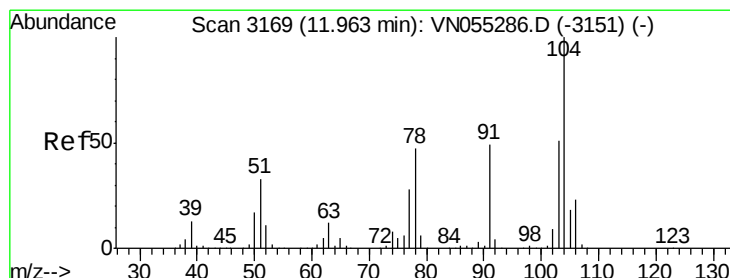
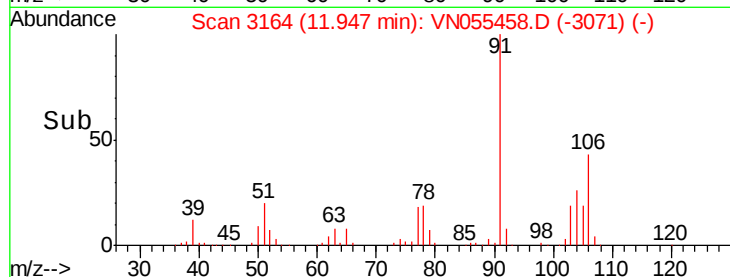
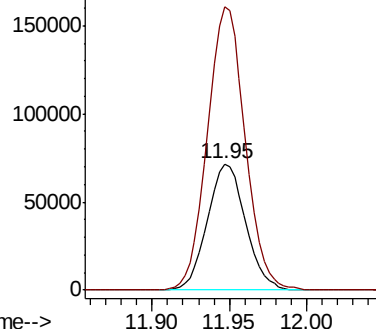
#69
o-Xylene
Concen: 20.955 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion:106 Resp: 122815
Ion Ratio Lower Upper
106 100
91 221.7 111.5 334.5

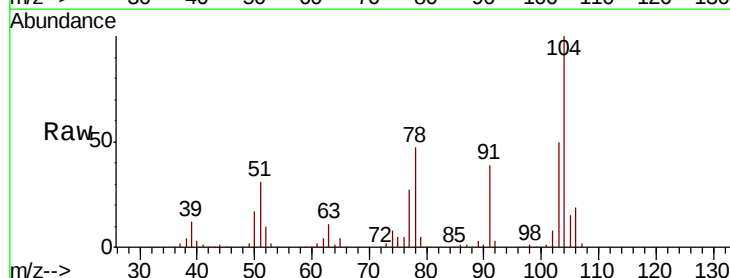


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

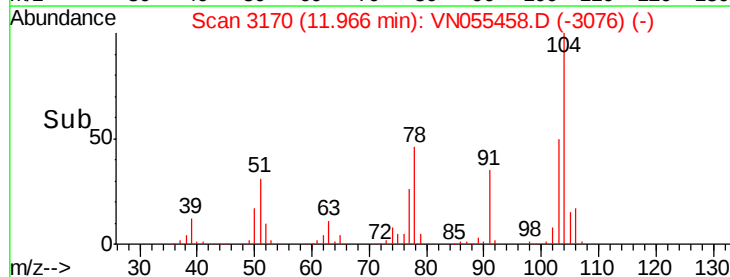
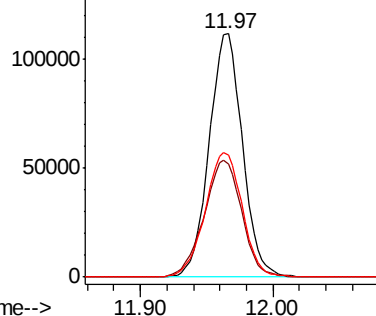


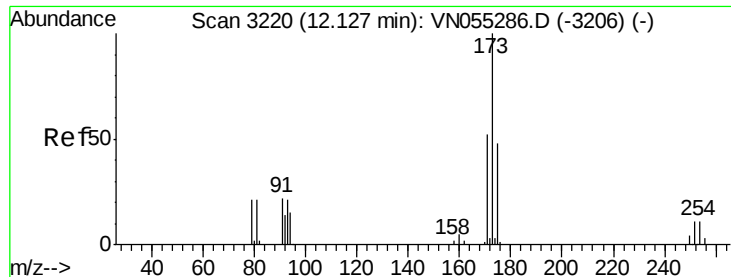
#70
Styrene
Concen: 21.664 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion:104 Resp: 194950
Ion Ratio Lower Upper
104 100
78 54.2 42.2 63.2
103 57.0 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

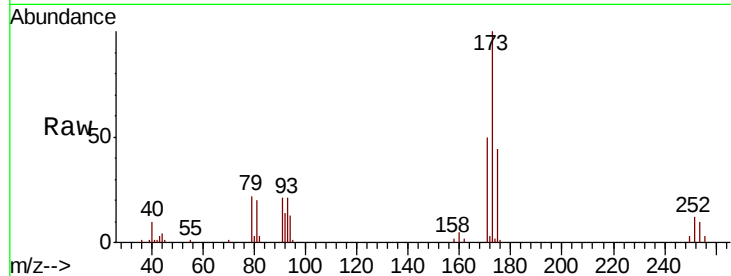




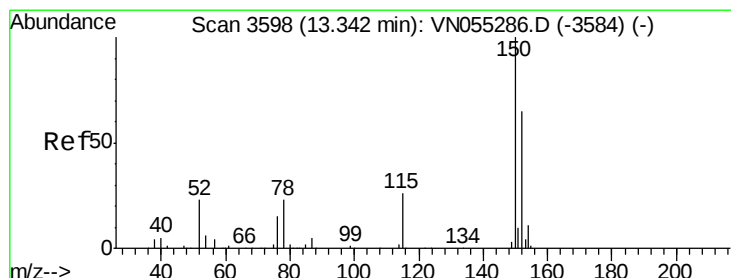
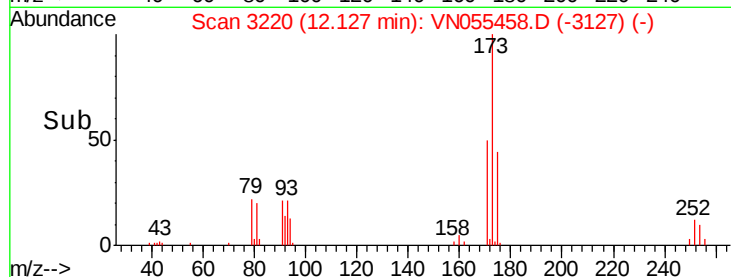
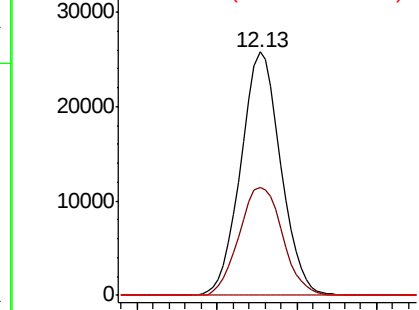
#71
 Bromoform
 Concen: 21.974 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion:173 Resp: 43799
 Ion Ratio Lower Upper
 173 100
 175 48.3 23.6 71.0
 254 0.0 0.0 0.0

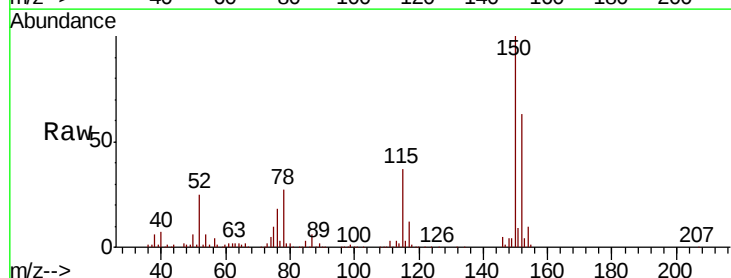


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

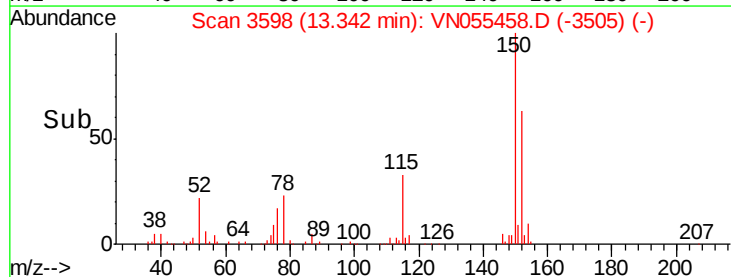
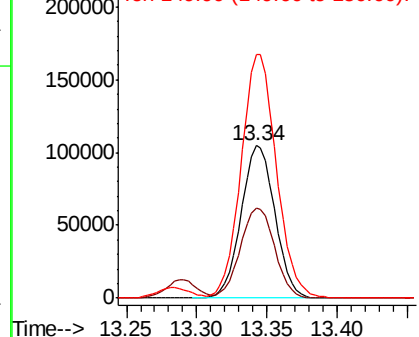


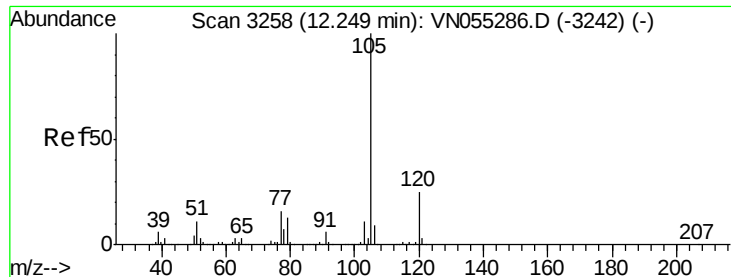
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion:152 Resp: 176433
 Ion Ratio Lower Upper
 152 100
 115 60.3 29.0 87.0
 150 165.9 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: 21.840 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

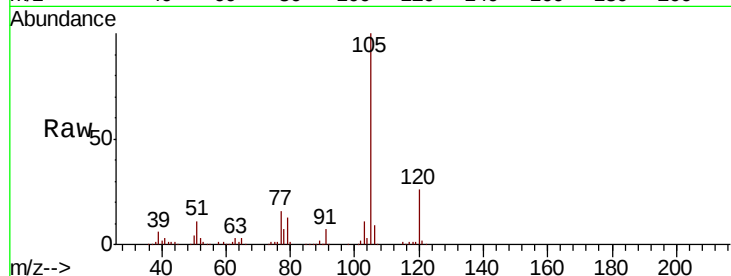
VN0507MBSD01

Tot Ion:105 Resp: 331606

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

150000

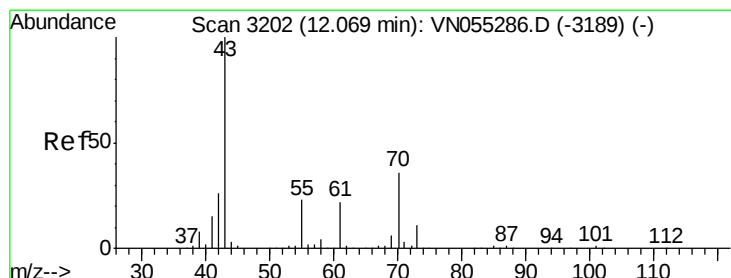
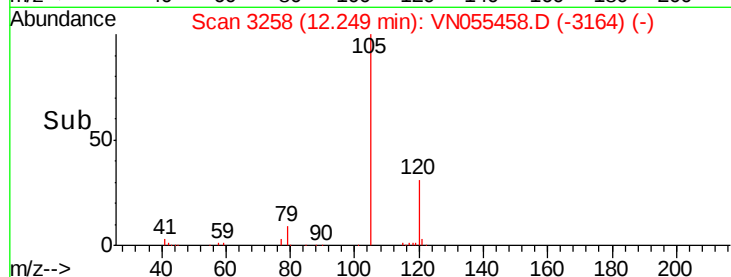
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 23.148 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion: 43 Resp: 104815

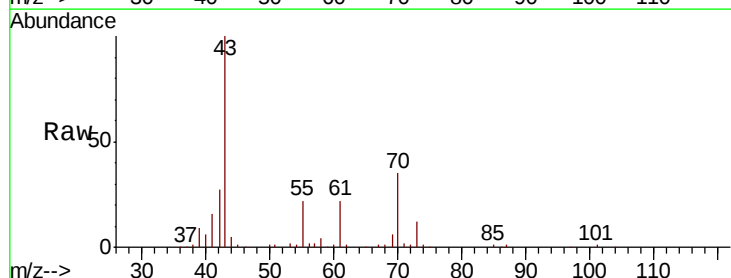
Ion Ratio Lower Upper

43 100

70 35.1 27.9 41.9

55 23.4 18.2 27.2

61 21.9 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

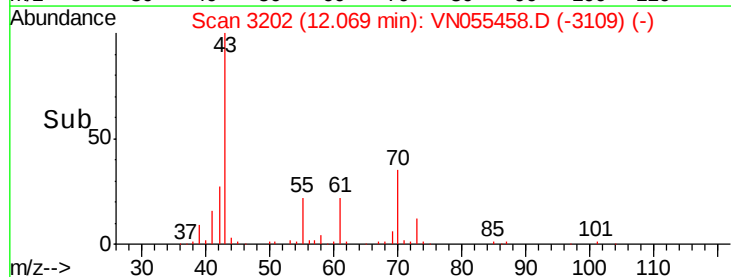
40000

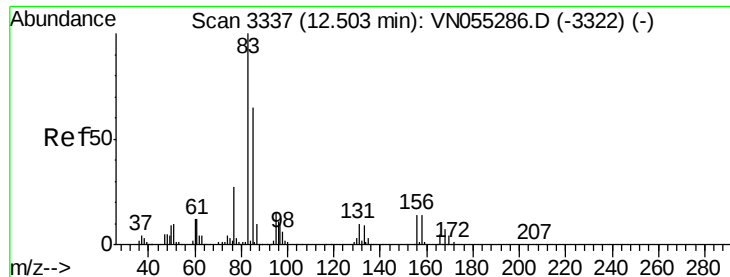
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 25.045 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

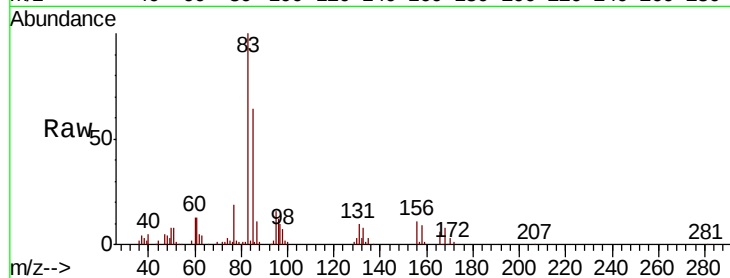
Tot Ion: 83 Resp: 93099

Ion Ratio Lower Upper

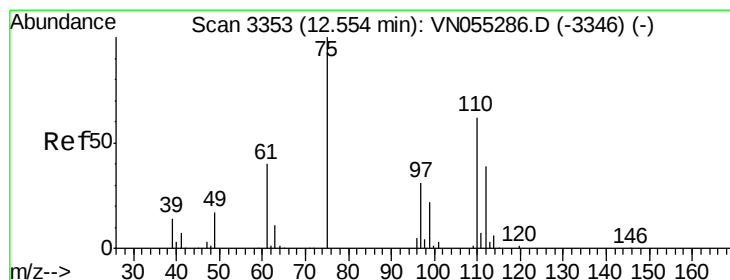
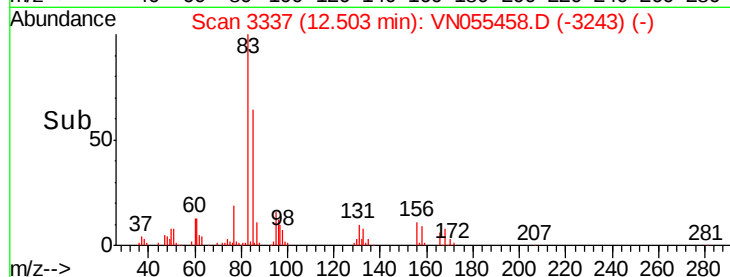
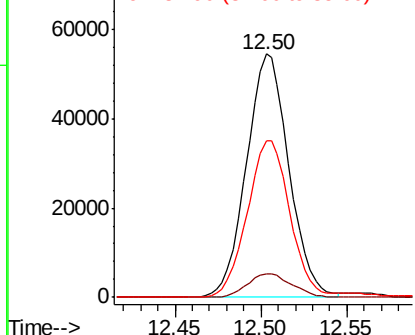
83 100

131 10.1 5.1 15.2

85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 31.578 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055458.D

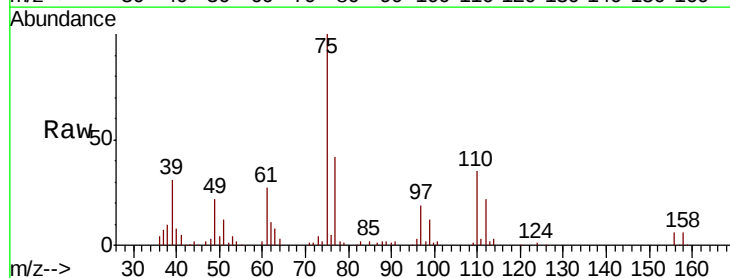
Acq: 8 May 2019 00:44

Tgt Ion: 75 Resp: 106601

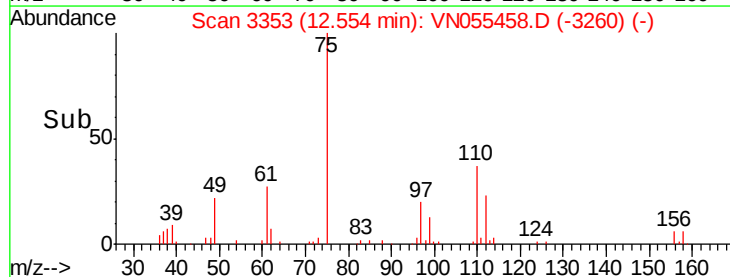
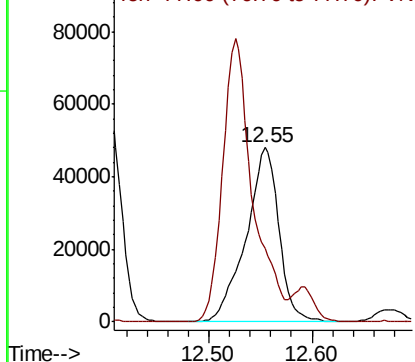
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

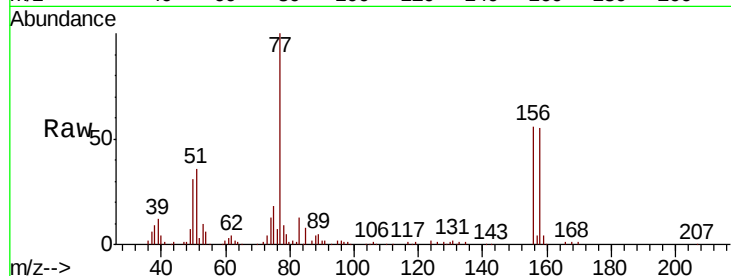
Tot Ion:156 Resp: 76950

Ion Ratio Lower Upper

156 100

77 205.7 99.6 298.8

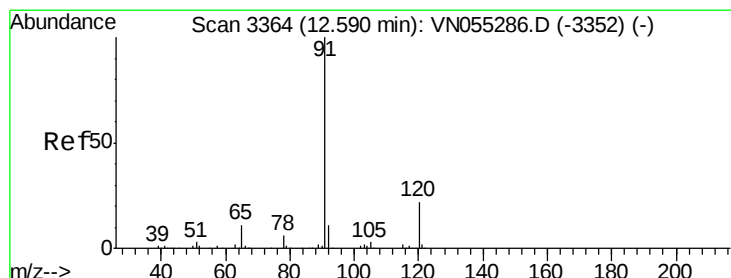
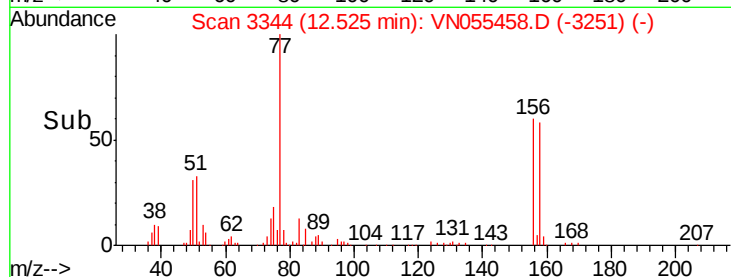
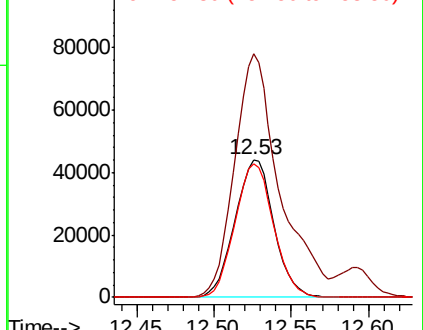
158 96.7 49.3 147.8



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: 19.471 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055458.D

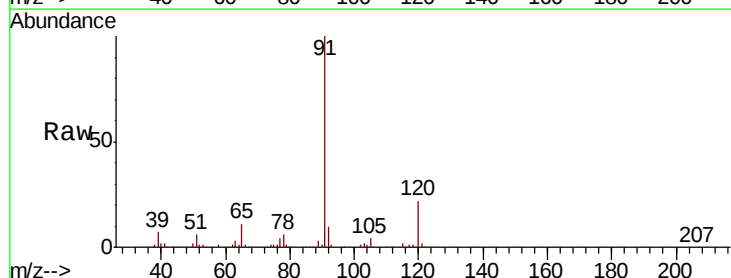
Acq: 8 May 2019 00:44

Tgt Ion: 91 Resp: 352878

Ion Ratio Lower Upper

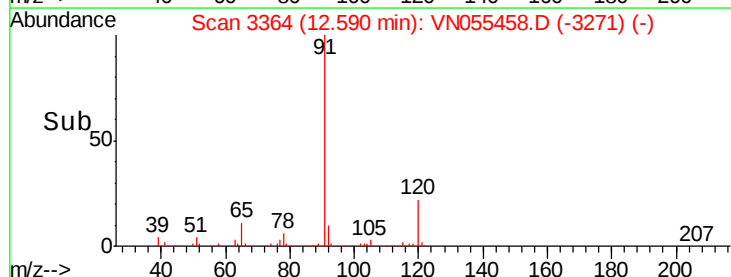
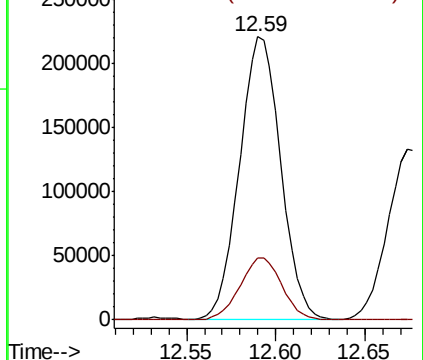
91 100

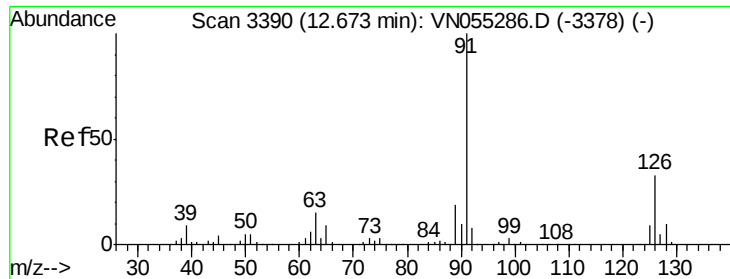
120 22.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

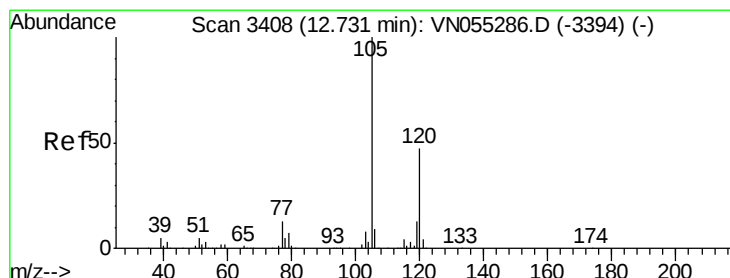
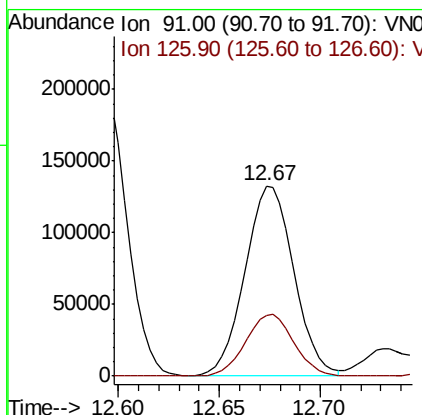
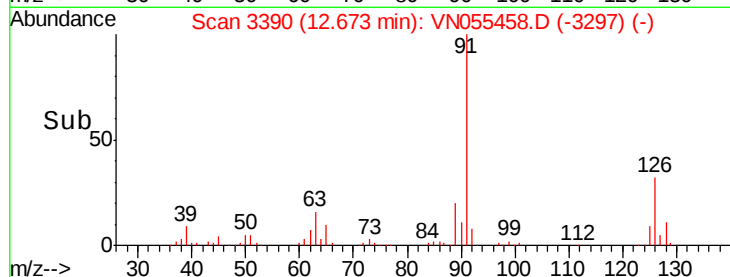
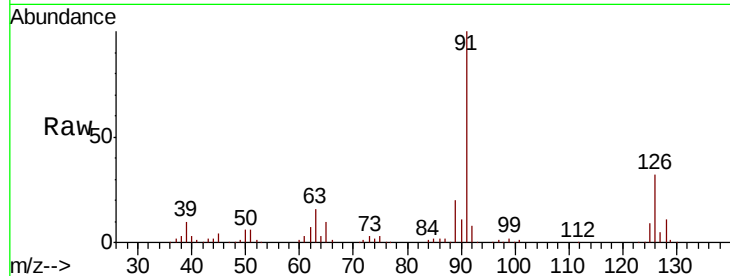




#79
 2-Chlorotoluene
 Concen: 21.943 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

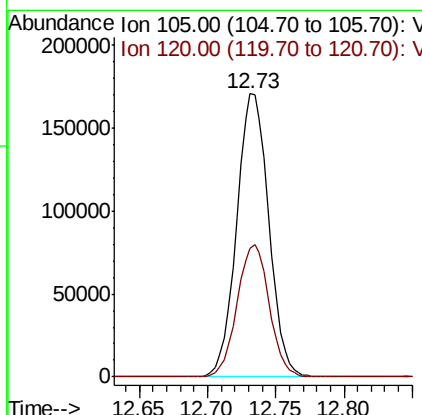
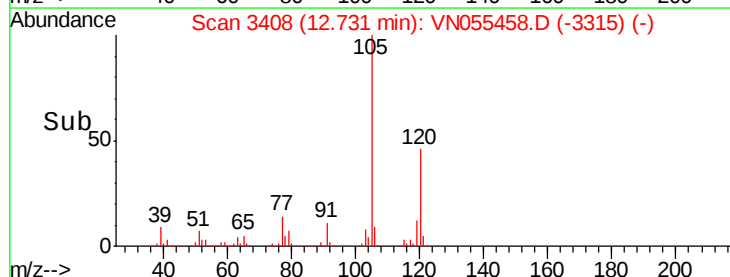
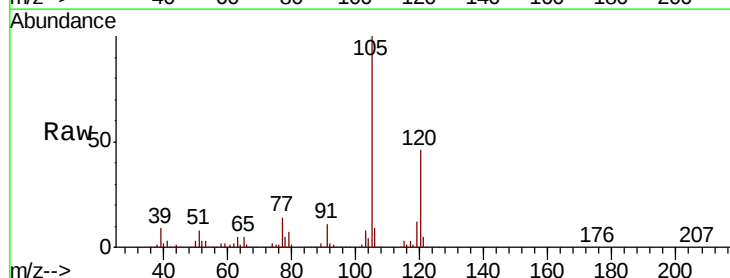
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

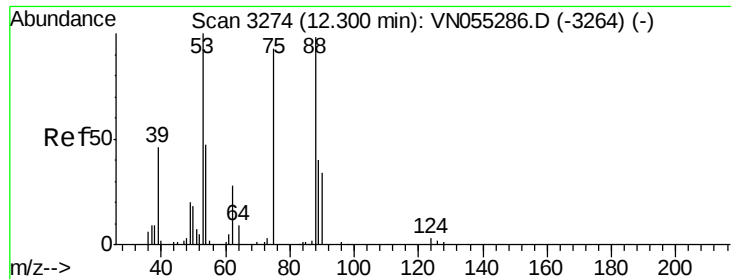
Tot Ion: 91 Resp: 224101
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.141 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion: 105 Resp: 278590
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.513 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

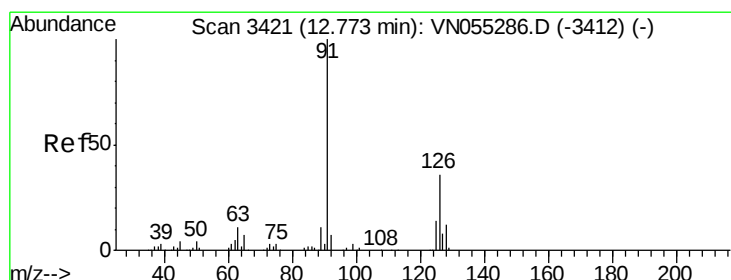
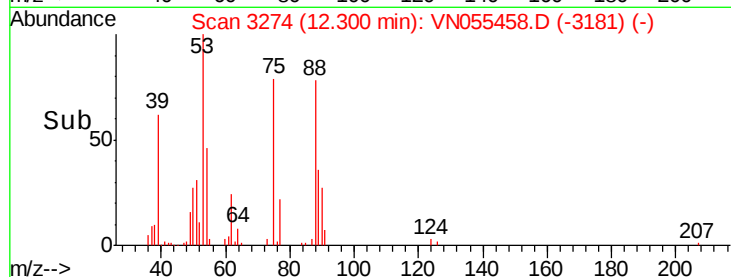
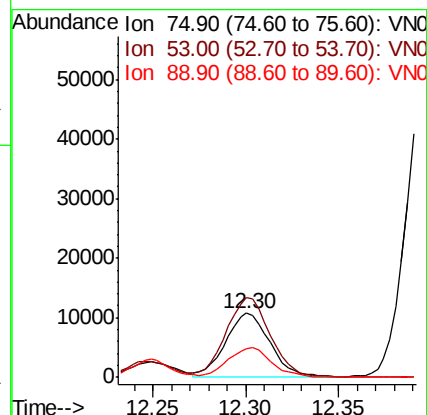
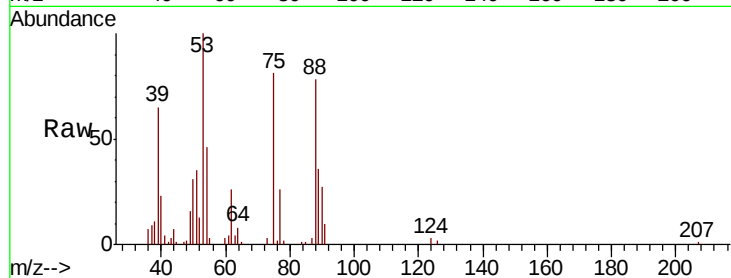
Tot Ion: 75 Resp: 18167

Ion Ratio Lower Upper

75 100

53 122.8 86.3 129.5

89 44.3 34.6 51.8



#82

4-Chlorotoluene

Concen: 19.952 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055458.D

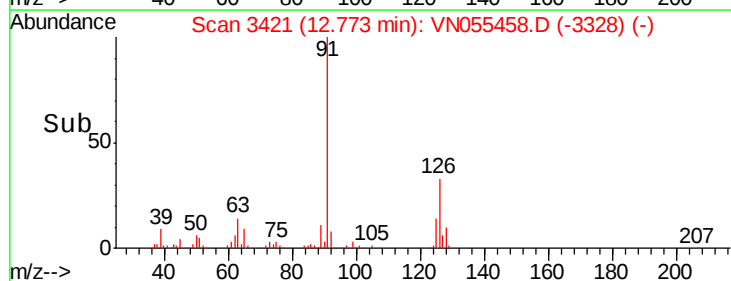
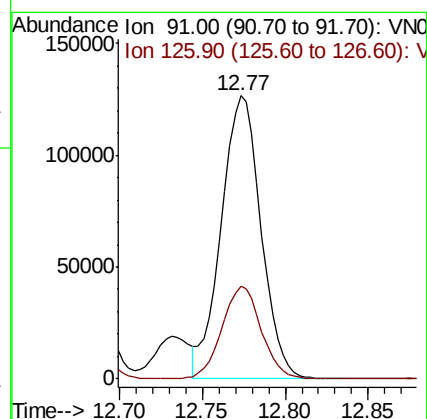
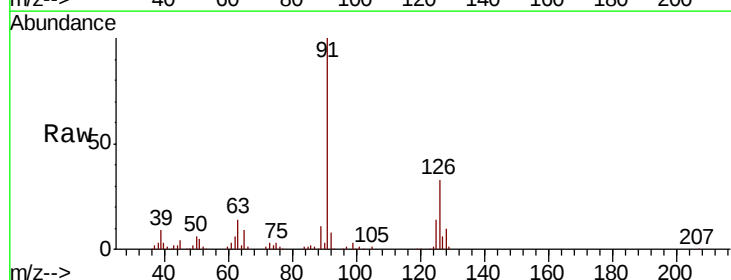
Acq: 8 May 2019 00:44

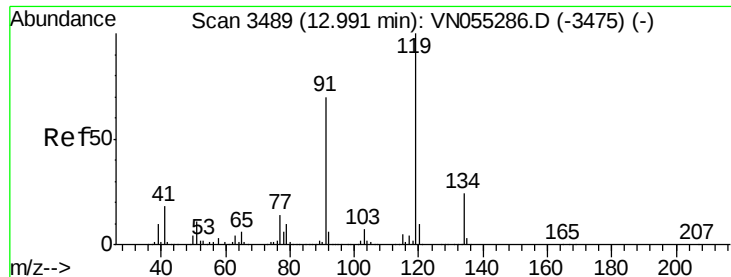
Tgt Ion: 91 Resp: 210243

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.7

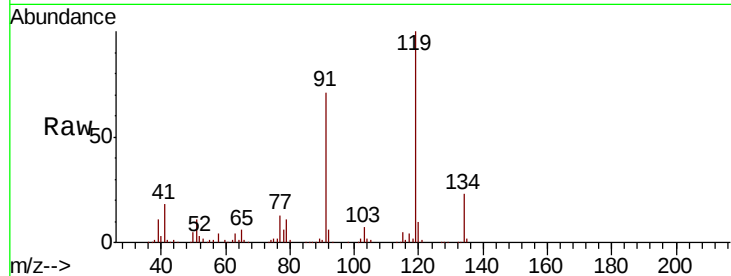




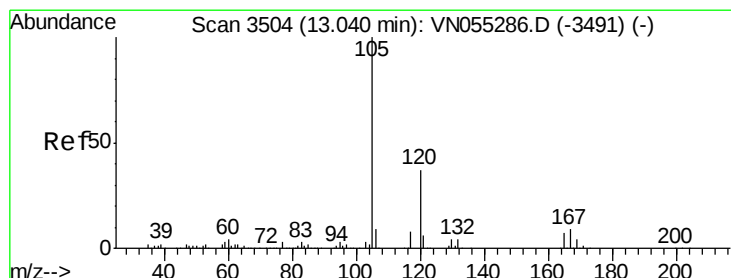
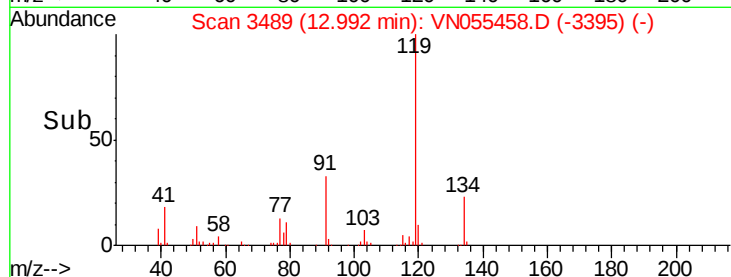
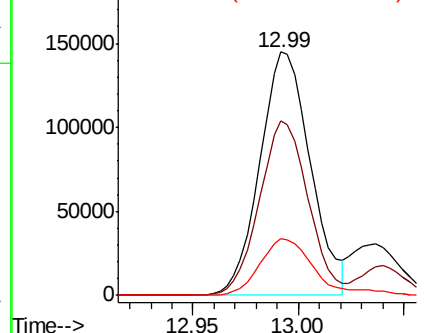
#83
tert-Butylbenzene
Concen: 23.134 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion:119 Resp: 241797
Ion Ratio Lower Upper
119 100
91 68.9 34.3 102.9
134 25.0 13.1 39.3

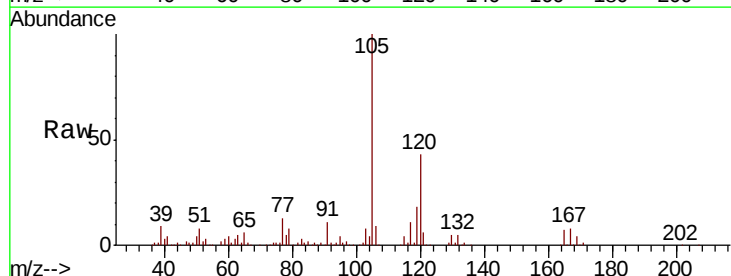


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

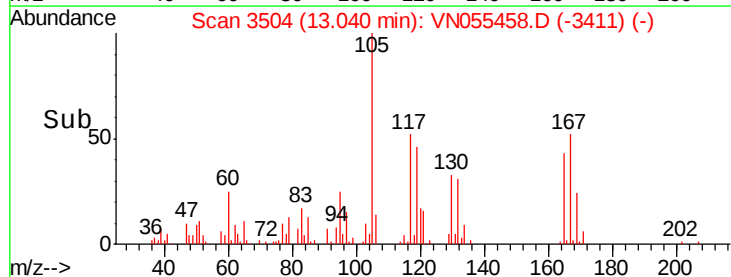
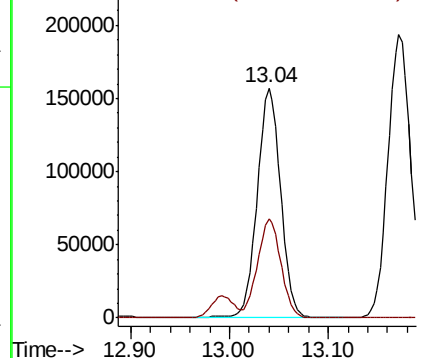


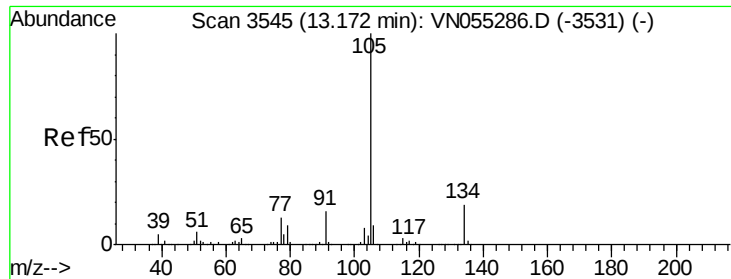
#84
1,2,4-Trimethylbenzene
Concen: 20.739 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion:105 Resp: 256544
Ion Ratio Lower Upper
105 100
120 43.4 22.1 66.5



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

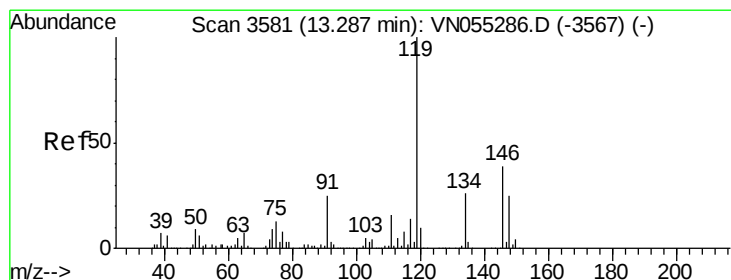
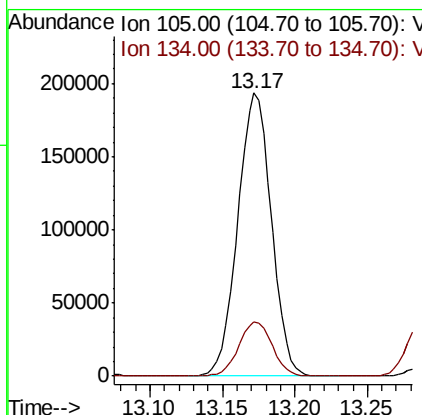
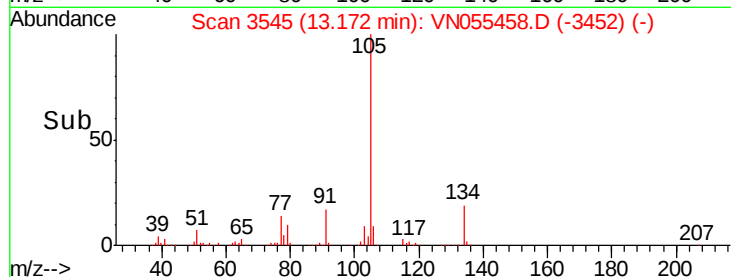
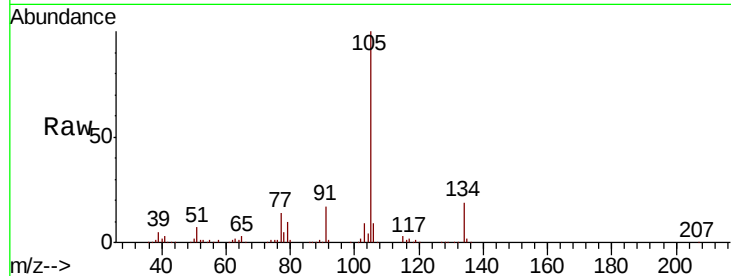




#85
 sec-Butylbenzene
 Concen: 20.698 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

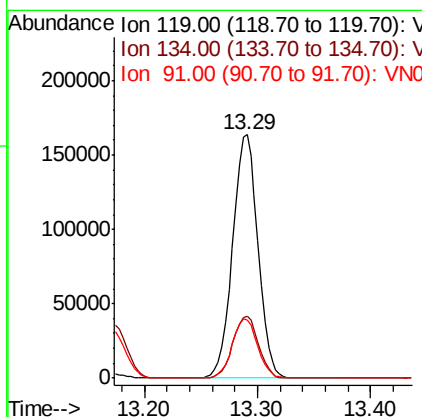
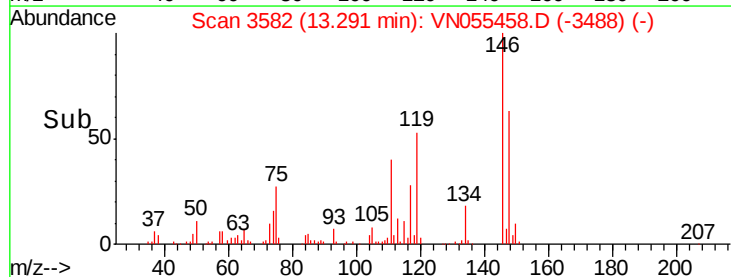
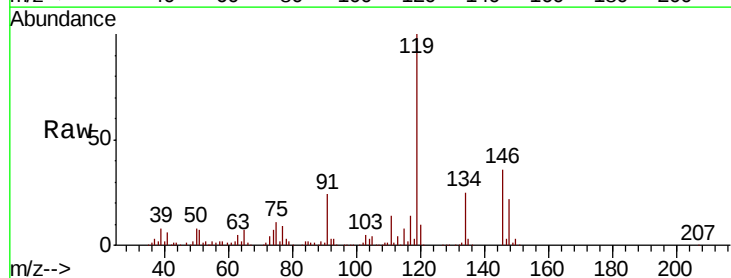
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

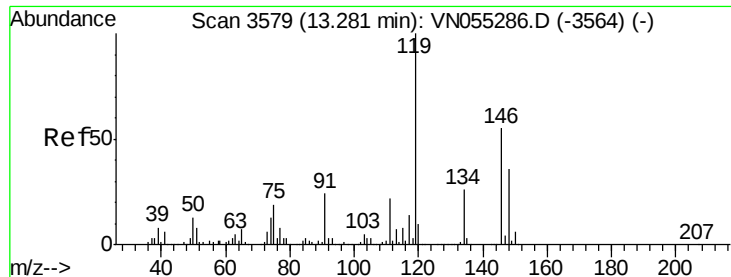
Tot Ion:105 Resp: 311176
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 20.591 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion:119 Resp: 254427
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 24.6 12.2 36.6

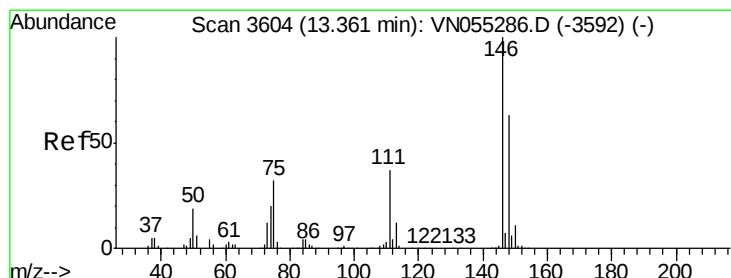
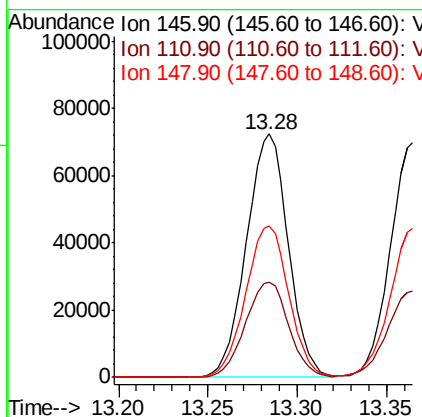
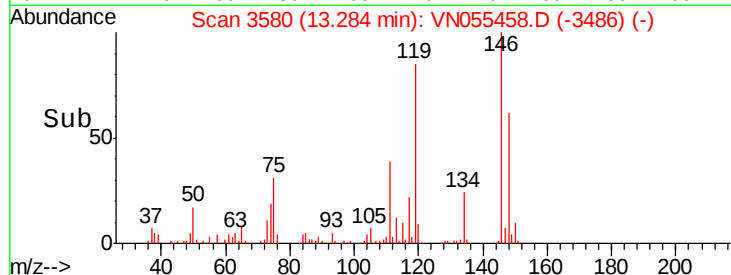
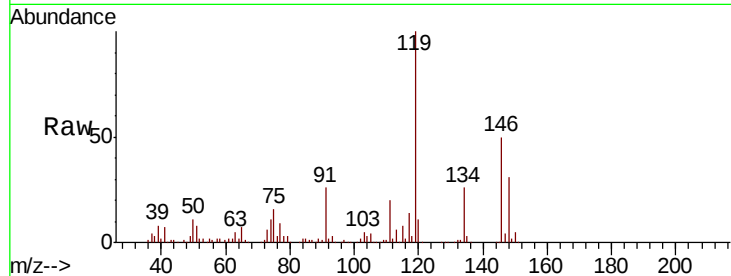




#87
 1,3-Dichlorobenzene
 Concen: 20.119 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

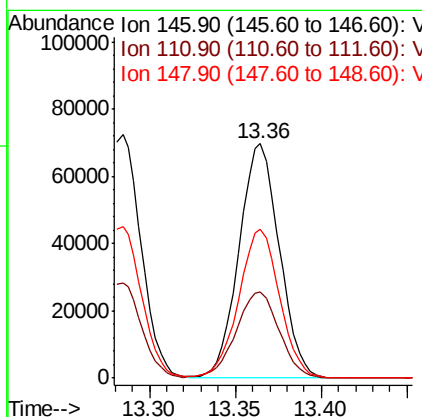
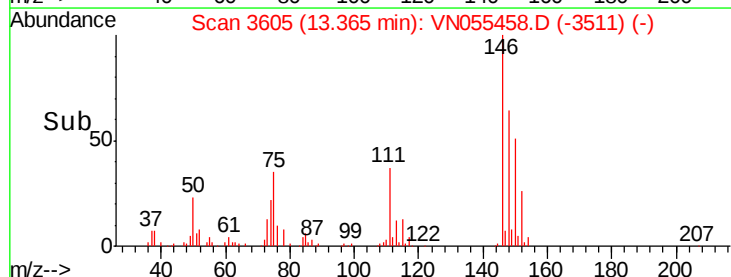
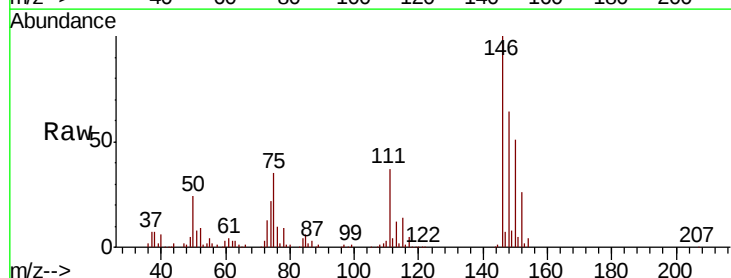
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

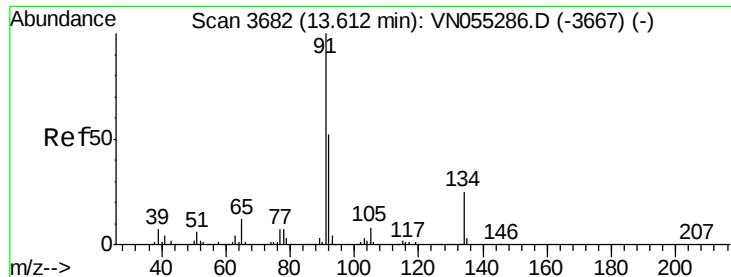
Tot Ion:146 Resp: 118778
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 63.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.450 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion:146 Resp: 113702
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.5 58.5
 148 64.6 32.5 97.4





#89

n-Butylbenzene

Concen: 20.127 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleID :

VN0507MBSD01

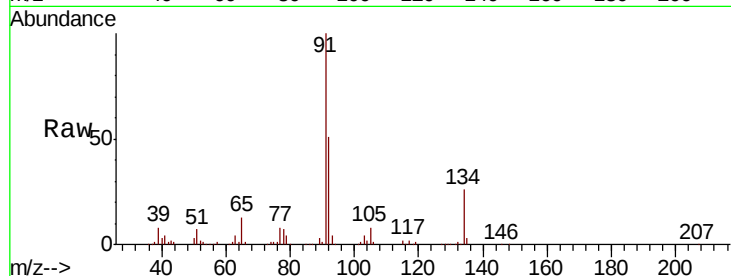
Tot Ion: 91 Resp: 176718

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.3

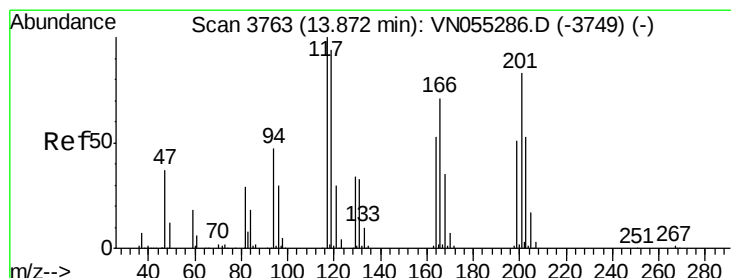
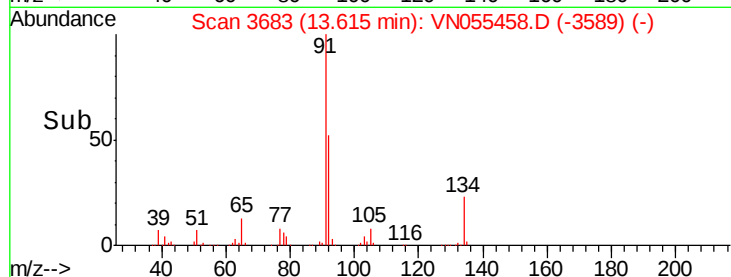
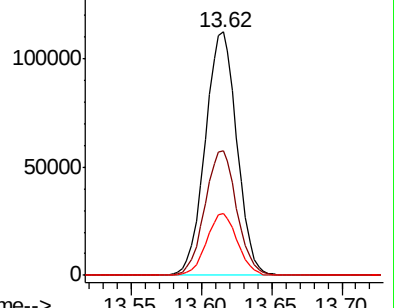
134 24.8 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.608 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055458.D

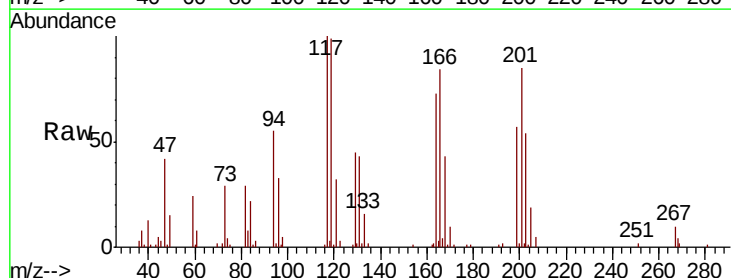
Acq: 8 May 2019 00:44

Tgt Ion: 117 Resp: 42131

Ion Ratio Lower Upper

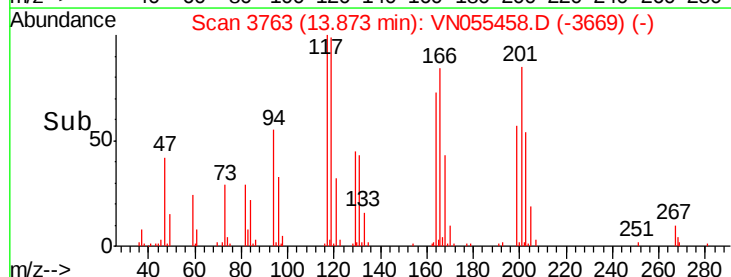
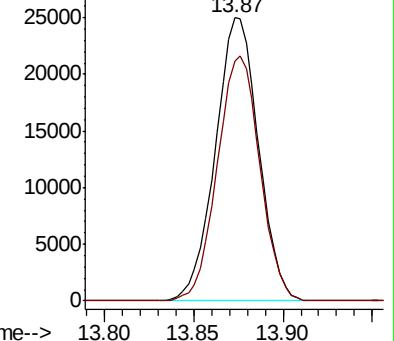
117 100

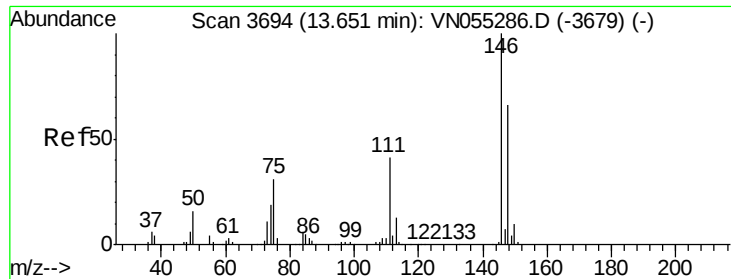
201 85.5 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 21.343 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

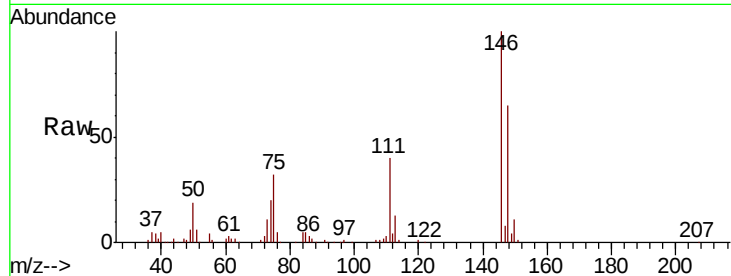
Tot Ion:146 Resp: 124888

Ion Ratio Lower Upper

146 100

111 40.2 20.3 61.0

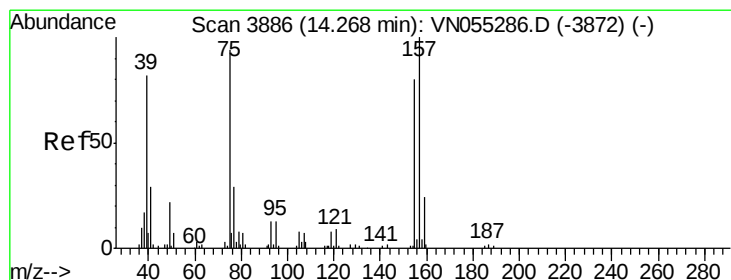
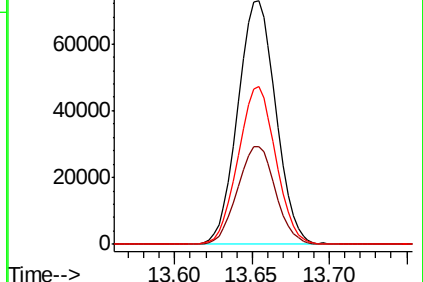
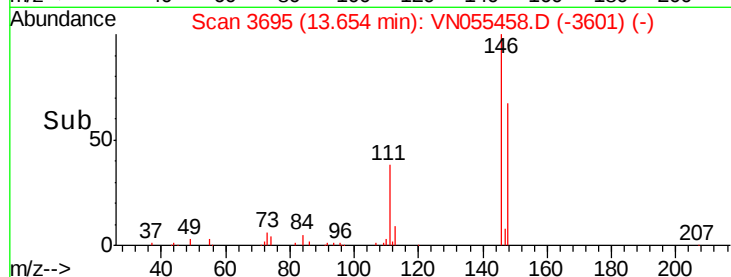
148 63.9 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.333 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

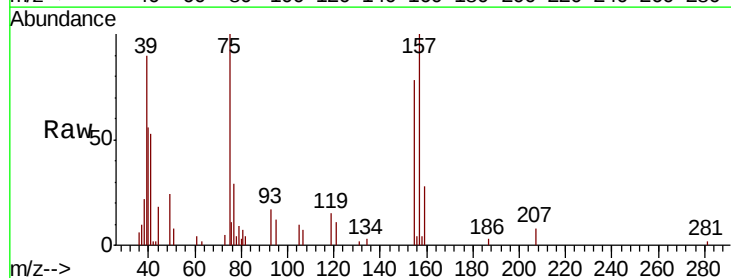
Tgt Ion: 75 Resp: 12687

Ion Ratio Lower Upper

75 100

155 79.3 41.5 124.6

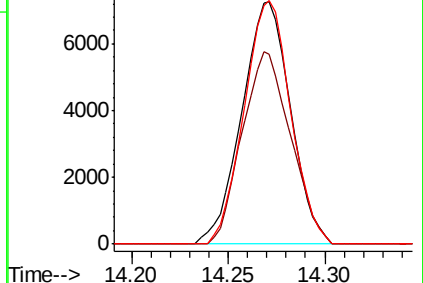
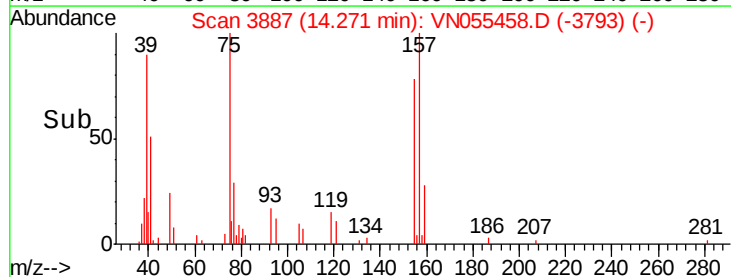
157 96.2 54.0 162.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

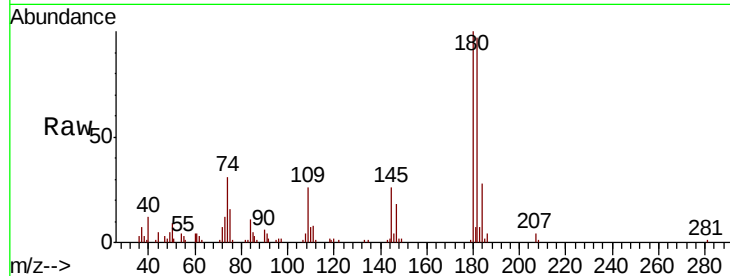




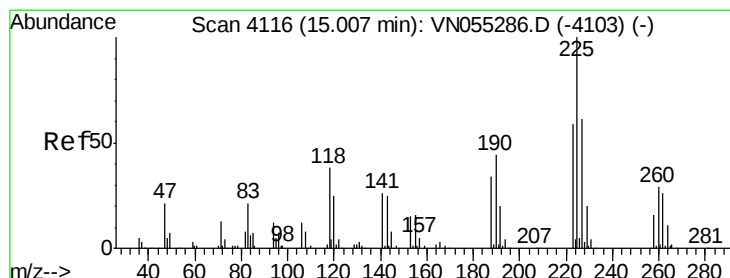
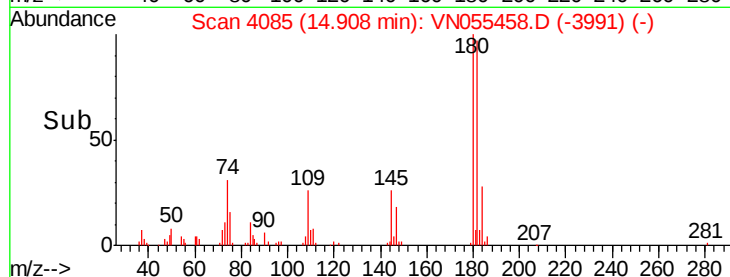
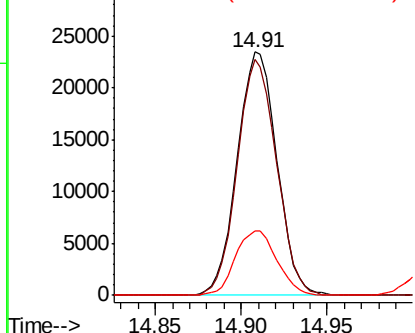
#93
 1,2,4-Trichlorobenzene
 Concen: 18.629 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion:180 Resp: 37843
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.3 144.9
 145 27.6 14.2 42.6

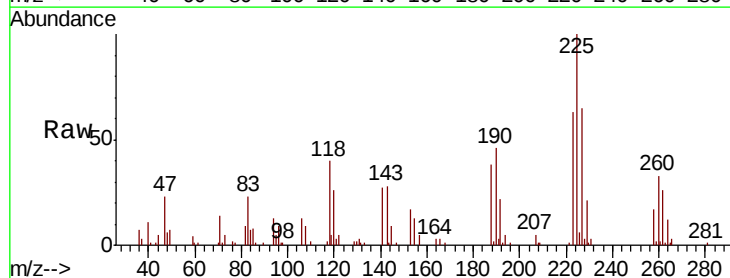


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

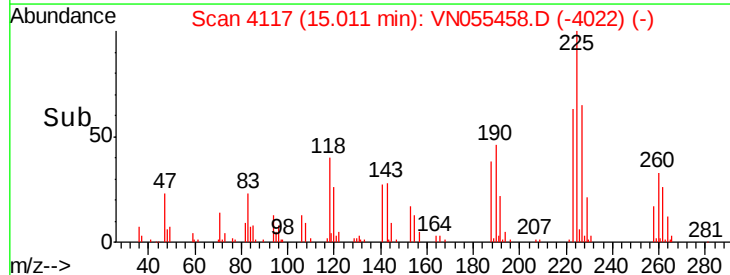
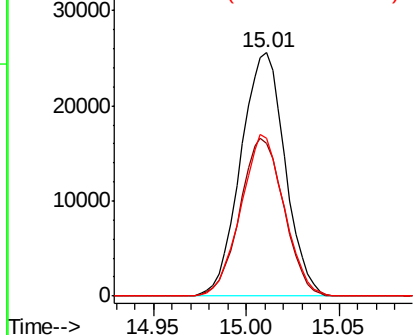


#94
 Hexachlorobutadiene
 Concen: 22.663 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion:225 Resp: 42599
 Ion Ratio Lower Upper
 225 100
 223 64.2 30.3 90.8
 227 64.7 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.696 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

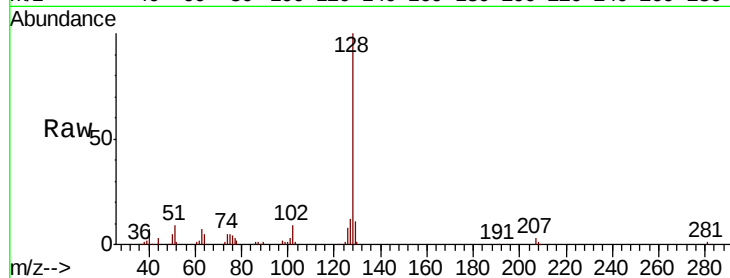
Tot Ion:128 Resp: 80741

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

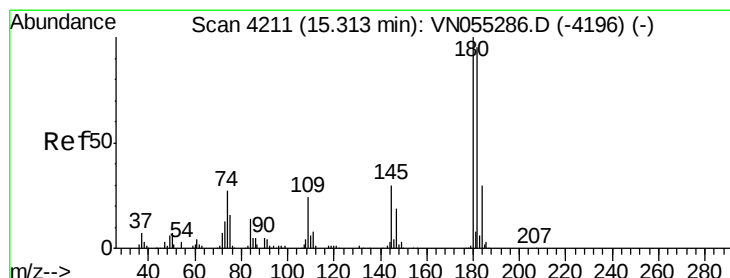
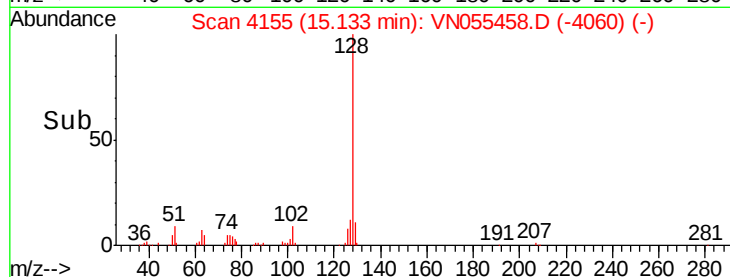
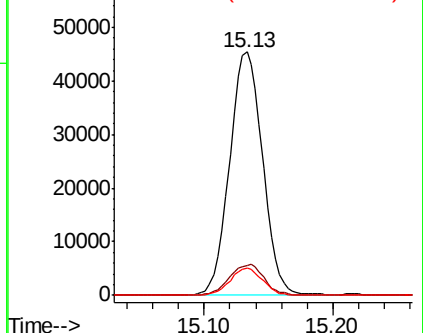
129 10.8 8.6 13.0



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: 20.801 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

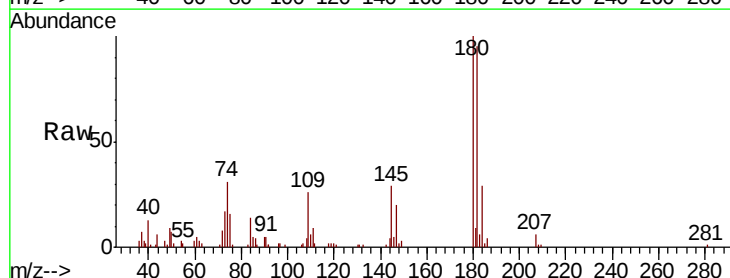
Tgt Ion:180 Resp: 43598

Ion Ratio Lower Upper

180 100

182 93.3 48.3 144.9

145 30.9 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

