

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051485.D
 Acq On : 25 Sep 2018 15:16
 Operator : MD\SY
 Sample : VN0925WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Quant Time: Sep 26 02:10:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125296	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	670666	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	573894	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	256394	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.40	95	260629	30.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.10%
63) Toluene-d8	10.09	98	843452	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	97585	18.185	ug/l 99
3) Chloromethane	2.06	50	177129	19.198	ug/l 97
4) Vinyl Chloride	2.18	62	193426	19.647	ug/l 97
5) Bromomethane	2.57	94	126008	19.583	ug/l 85
6) Chloroethane	2.71	64	124825	20.570	ug/l 97
7) Trichlorofluoromethane	3.02	101	264292	20.682	ug/l 95
8) Diethyl Ether	3.41	74	79025	20.568	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137703	21.220	ug/l # 43
10) 1,1-Dichloroethene	3.74	96	124710	21.098	ug/l 96
11) Methyl Iodide	3.96	142	173326	19.885	ug/l 96
12) Methyl Acetate	4.33	43	112978	21.746	ug/l 91
13) Acrolein	3.61	56	77136	111.345	ug/l 91
14) Acrylonitrile	4.99	53	229190	108.600	ug/l # 59
15) Acetone	3.82	58	57270	110.184	ug/l 97
16) Carbon Disulfide	4.05	76	367601	19.607	ug/l 99
17) Allyl chloride	4.33	41	219425	21.029	ug/l 97
18) Methylene Chloride	4.55	84	148389	21.021	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	135939	21.245	ug/l 97
20) Diisopropyl ether	5.96	45	473157	22.837	ug/l # 84
21) 1,1-Dichloroethane	5.85	63	274754	22.015	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	154336	21.555	ug/l 96
23) tert-Butyl Alcohol	4.79	59	44327	111.537	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	350852	21.793	ug/l # 61
25) Chloroform	7.37	83	269890	21.682	ug/l 98
26) Cyclohexane	7.66	56	225818	21.253	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	199676	21.145	ug/l 99
30) 2-Butanone	6.84	43	266934	109.434	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	221551	21.995	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	231234	21.449	ug/l 98
33) Carbon Tetrachloride	7.78	117	210564	21.287	ug/l 94
34) Benzene	8.04	78	598189	21.337	ug/l # 70
35) Methacrylonitrile	7.21	41	169567	48.241	ug/l # 60
36) 1,2-Dichloroethane	8.13	62	202230	22.153	ug/l 99
37) Trichloroethene	8.84	130	155636	20.945	ug/l 99
38) Methylcyclohexane	9.08	83	223357	20.404	ug/l 95
39) 1,2-Dichloropropane	9.12	63	165184	21.659	ug/l 94
40) Dibromomethane	9.21	93	93240	21.480	ug/l 98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBSD01

Quant Time: Sep 26 02:10:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201739	21.138	ug/l	92
42) Vinyl Acetate	5.90	43	1470595	108.423	ug/l	99
43) Ethyl Acetate	6.93	43	116106	22.877	ug/l	97
44) Isopropyl Acetate	8.17	43	210804	21.596	ug/l	99
45) 1,4-Dioxane	9.20	88	24936	419.908	ug/l	93
46) Methyl methacrylate	9.20	41	100492	20.789	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	203180	21.440	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	234592	21.385	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	130839	21.081	ug/l	95
51) Ethyl methacrylate	10.43	69	154942	21.093	ug/l	100
52) 1,3-Dichloropropane	10.71	76	223544	21.349	ug/l	97
53) Dibromochloromethane	10.90	129	150098	21.024	ug/l	97
54) 1,2-Dibromoethane	11.01	107	123274	20.585	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	394546	108.775	ug/l	99
56) Bromoform	12.13	173	97507	20.258	ug/l	92
58) 4-Methyl-2-Pentanone	9.99	43	584247	115.841	ug/l	96
59) 2-Hexanone	10.75	43	375820	113.217	ug/l	96
61) Tetrachloroethene	10.63	164	145384	21.775	ug/l	96
62) Toluene	10.16	91	637265	21.691	ug/l	96
64) Chlorobenzene	11.43	112	390217	21.663	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	151858	21.806	ug/l	99
66) Ethyl Benzene	11.51	91	647652	21.368	ug/l	98
67) m/p-Xylenes	11.62	106	513477	44.007	ug/l	98
68) o-Xylene	11.95	106	248256	22.339	ug/l	92
69) Styrene	11.96	104	390904	22.268	ug/l	99
70) Isopropylbenzene	12.25	105	653673	21.978	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157177	22.450	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	189923	34.400	ug/l	73
73) Bromobenzene	12.53	156	158811	21.187	ug/l	98
74) n-propylbenzene	12.59	91	744706	21.538	ug/l	99
75) 2-Chlorotoluene	12.67	91	447392	21.925	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	547104	22.293	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	39513	20.753	ug/l	99
78) 4-Chlorotoluene	12.77	91	434193	21.454	ug/l	97
79) tert-butylbenzene	12.99	119	467877	21.897	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	556771	22.568	ug/l	99
81) sec-Butylbenzene	13.17	105	645541	21.963	ug/l	98
82) p-Isopropyltoluene	13.29	119	558941	22.029	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	278272	21.166	ug/l	95
84) 1,4-Dichlorobenzene	13.36	146	263594	21.347	ug/l	97
85) n-Butylbenzene	13.62	91	427919	20.541	ug/l	96
86) Hexachloroethane	13.88	117	108448	21.329	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	276287	22.168	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22928	22.189	ug/l #	93
89) 1,2,4-Trichlorobenzene	14.91	180	123350	19.869	ug/l	97
90) Hexachlorobutadiene	15.01	225	102818	21.370	ug/l	95
91) Naphthalene	15.13	128	209642	17.896	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	123198	19.658	ug/l	92

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Instrument :
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ClientSampleId :
VN0925WBSD01

Quant Time: Sep 26 02:10:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

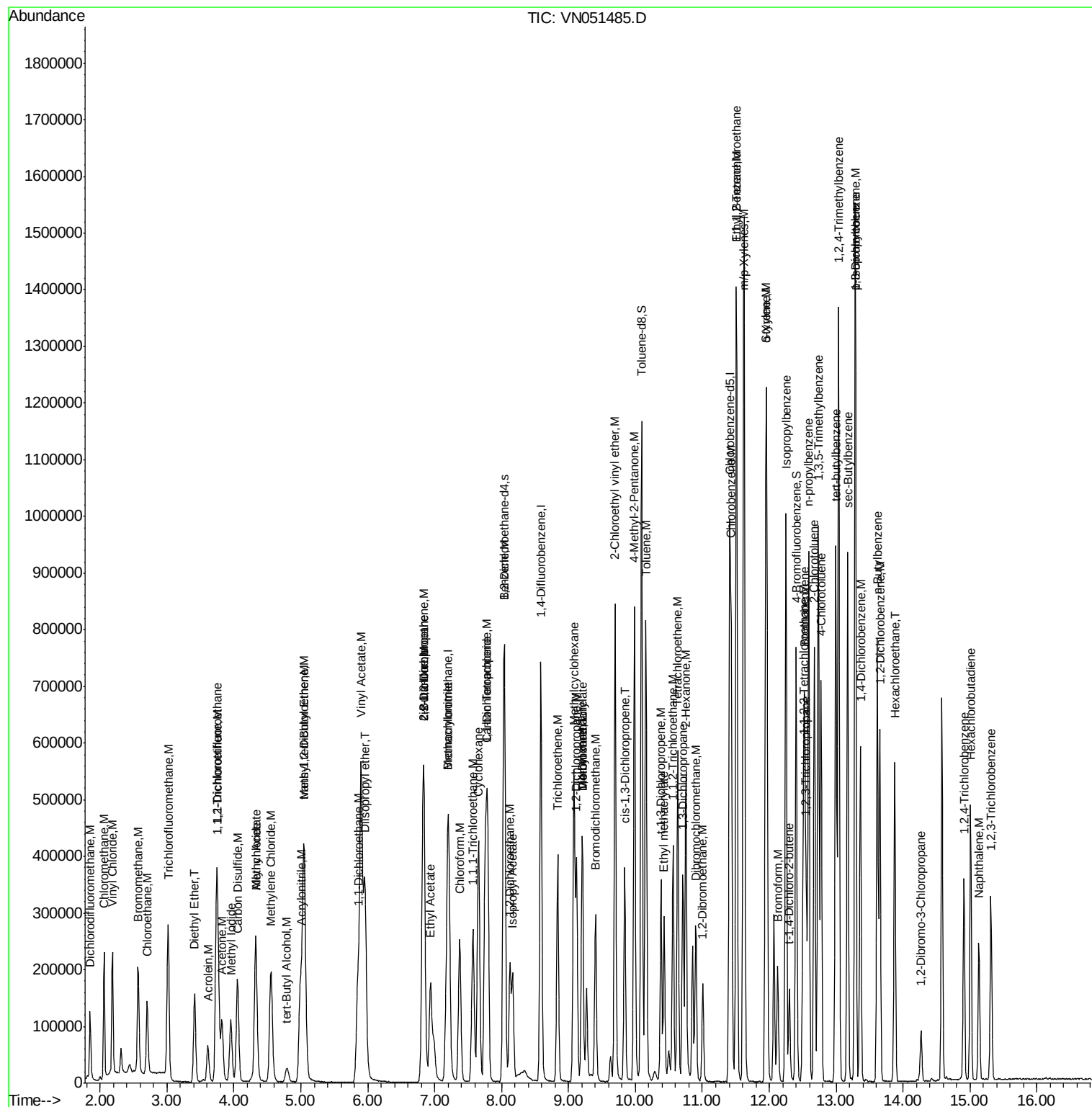
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

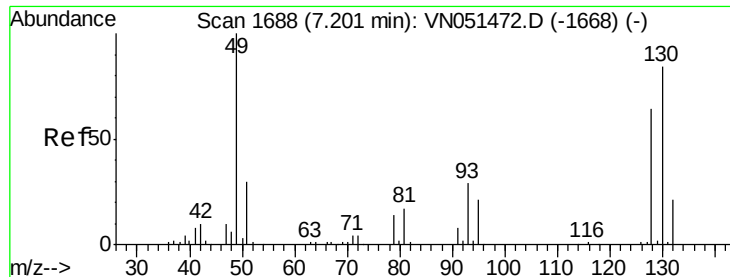
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051485.D
Acq On : 25 Sep 2018 15:16
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Sample : VN0925WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Client Sample Id :
VN0925WBSD01

Quant Time: Sep 26 02:10:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

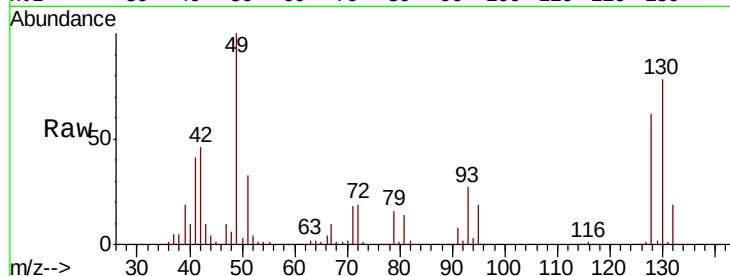
Tot Ion:128 Resp: 125296

Ion Ratio Lower Upper

128 100

49 159.2 0.0 403.3

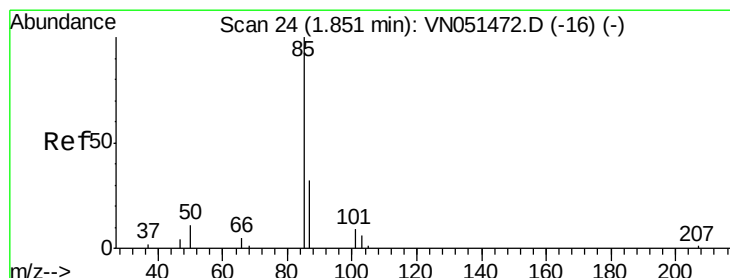
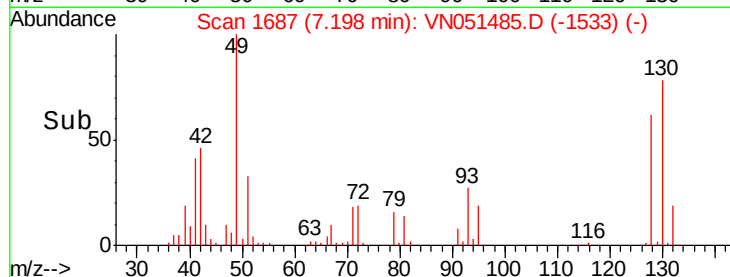
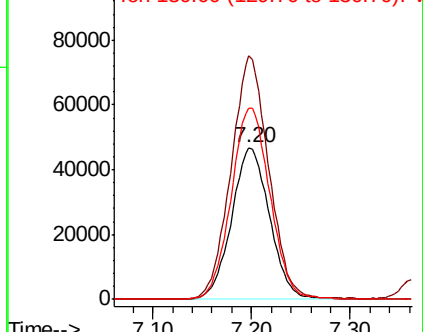
130 128.9 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.185 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051485.D

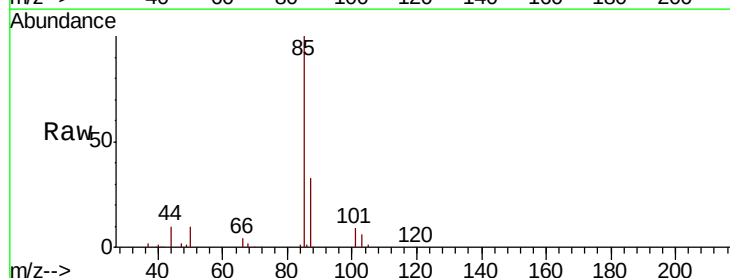
Acq: 25 Sep 2018 15:16

Tgt Ion: 85 Resp: 97585

Ion Ratio Lower Upper

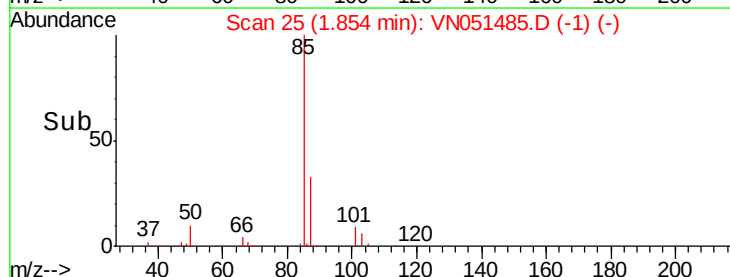
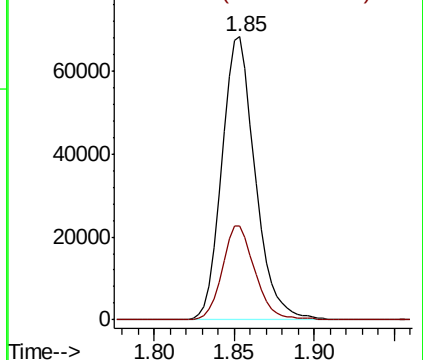
85 100

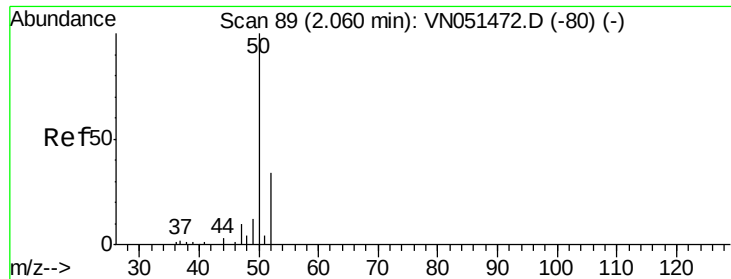
87 33.3 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.198 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

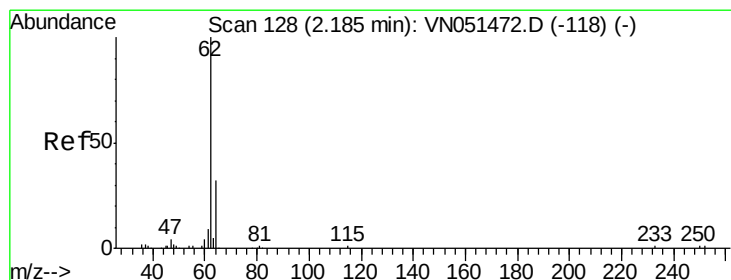
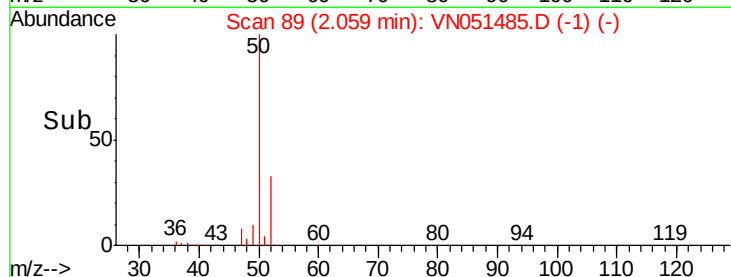
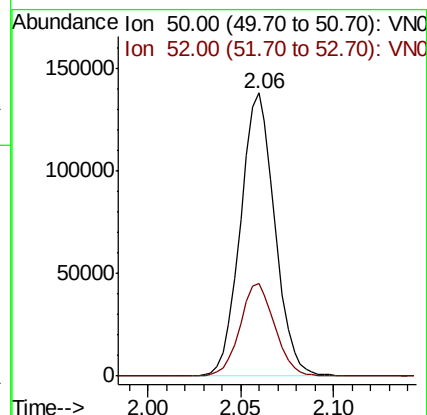
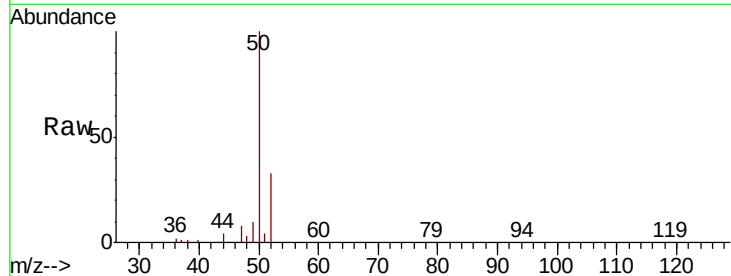
VN0925WBSD01

Tot Ion: 50 Resp: 177129

Ion Ratio Lower Upper

50 100

52 32.6 27.2 40.8



#4

Vinyl Chloride

Concen: 19.647 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051485.D

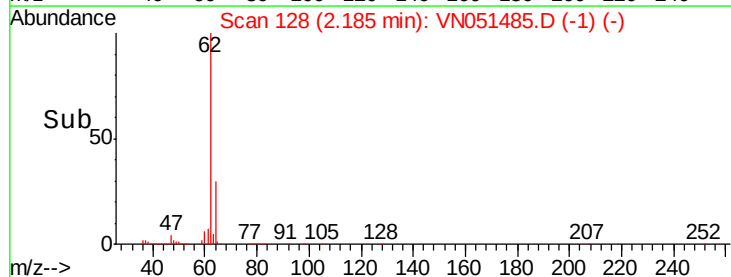
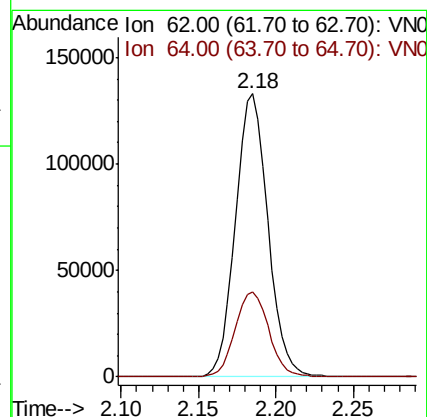
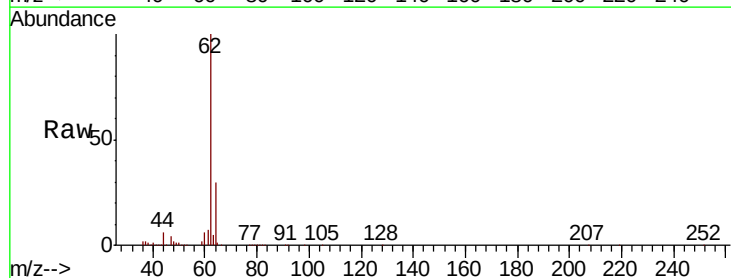
Acq: 25 Sep 2018 15:16

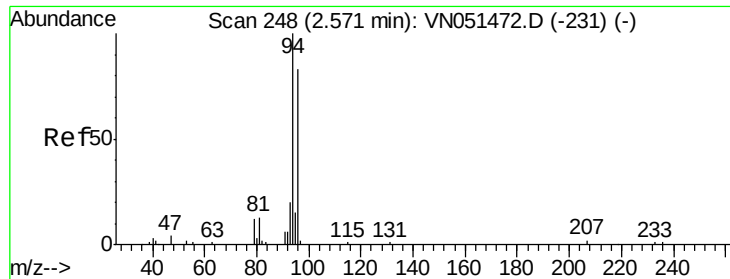
Tgt Ion: 62 Resp: 193426

Ion Ratio Lower Upper

62 100

64 29.9 25.4 38.2





#5

Bromomethane

Concen: 19.583 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

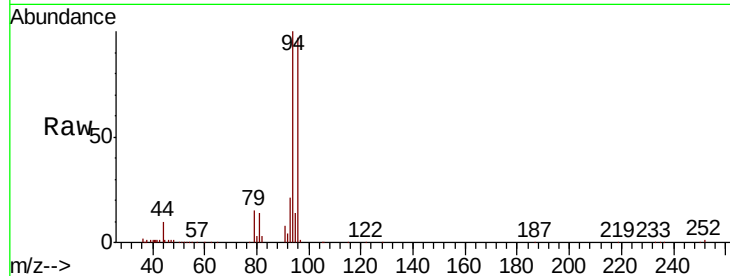
VN0925WBSD01

Tot Ion: 94 Resp: 126008

Ion Ratio Lower Upper

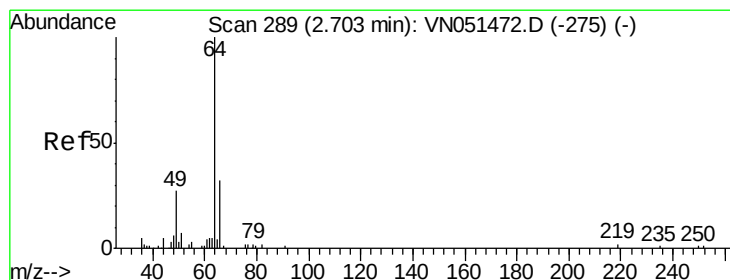
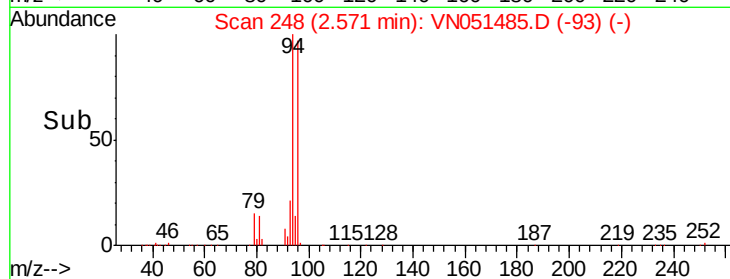
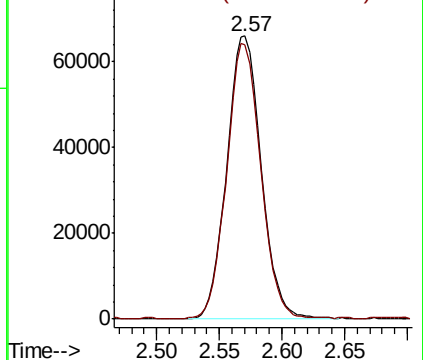
94 100

96 96.6 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.570 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051485.D

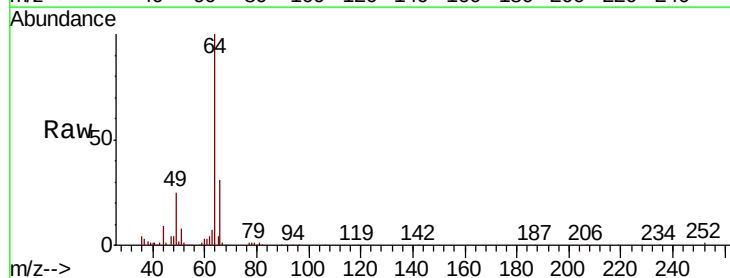
Acq: 25 Sep 2018 15:16

Tgt Ion: 64 Resp: 124825

Ion Ratio Lower Upper

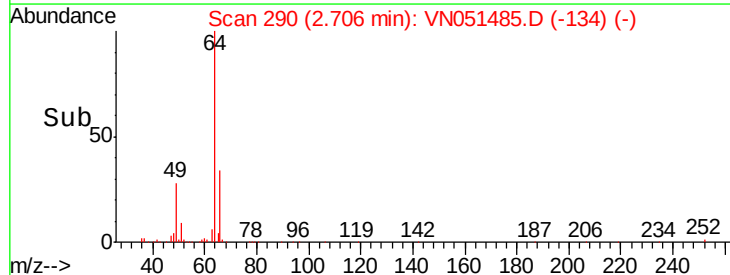
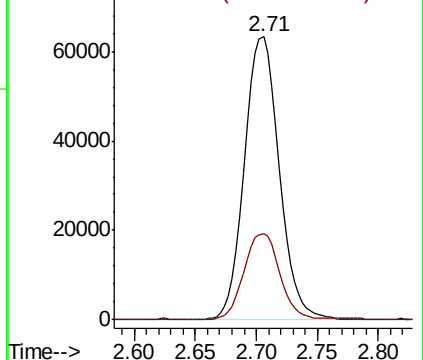
64 100

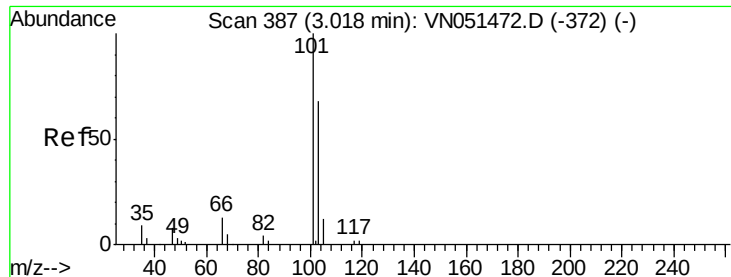
66 30.5 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



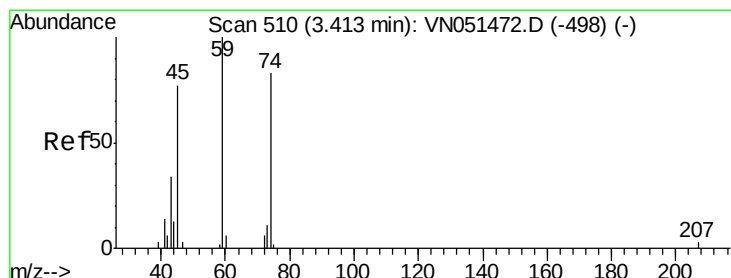
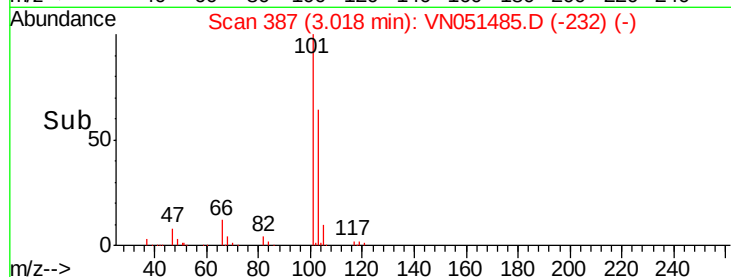
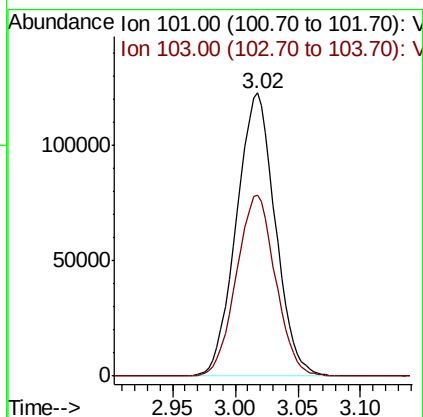
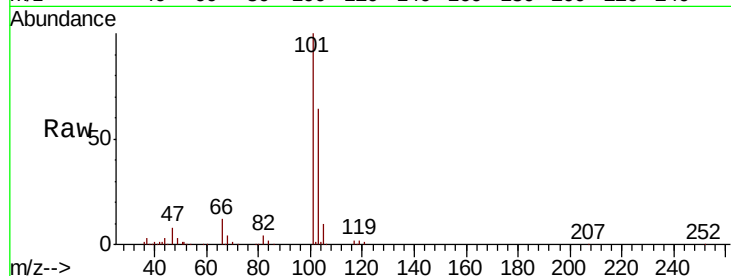


#7

Trichlorofluoromethane
 Concen: 20.682 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

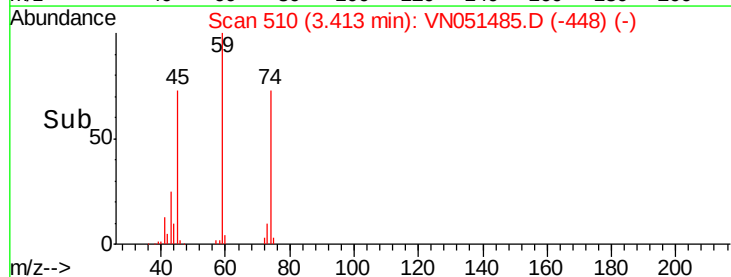
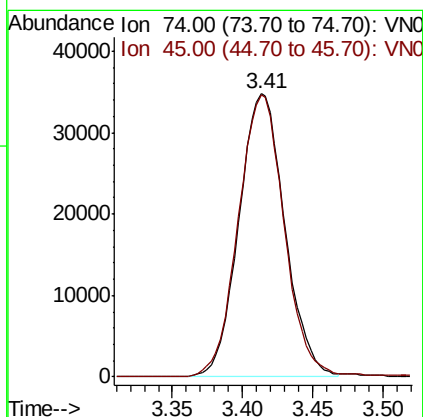
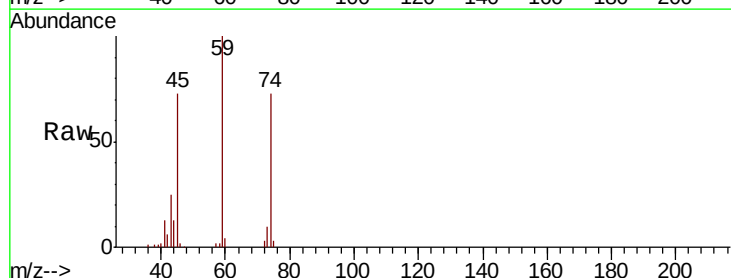
Tot Ion:101 Resp: 264292
 Ion Ratio Lower Upper
 101 100
 103 64.1 54.8 82.2

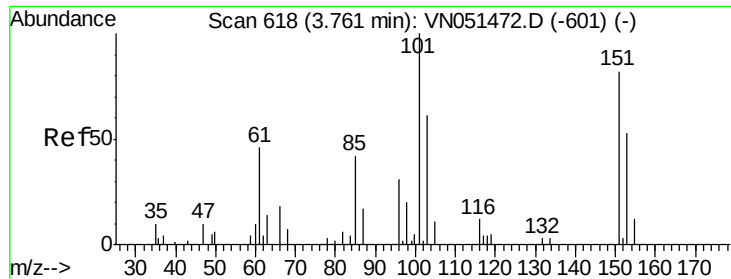


#8

Diethyl Ether
 Concen: 20.568 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 74 Resp: 79025
 Ion Ratio Lower Upper
 74 100
 45 99.8 20.7 186.5

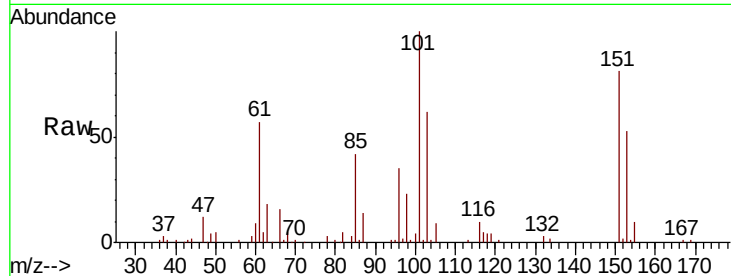




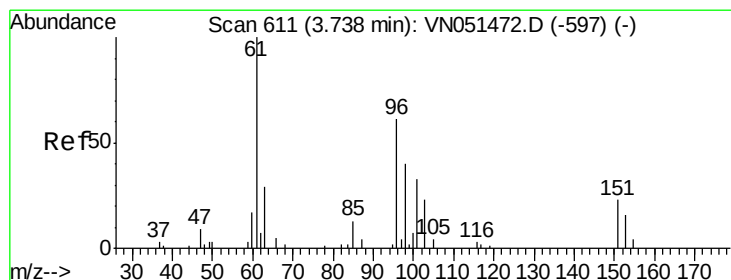
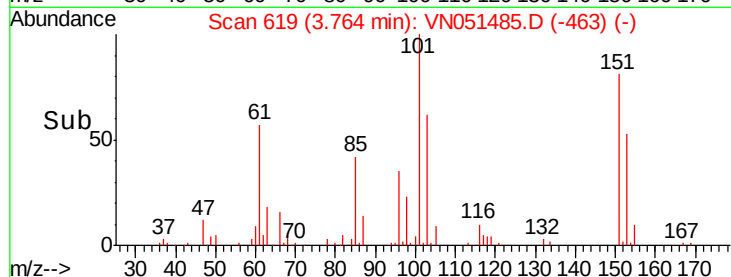
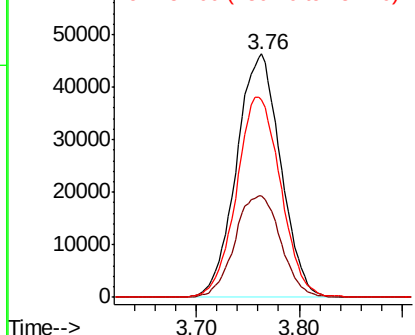
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.220 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion:101 Resp: 137703
 Ion Ratio Lower Upper
 101 100
 85 43.3 0.0 46.0
 151 82.3 0.0 82.2#

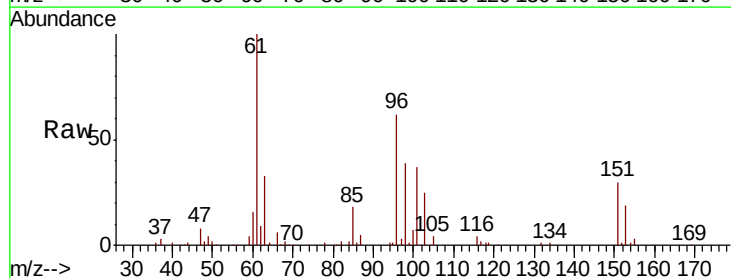


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

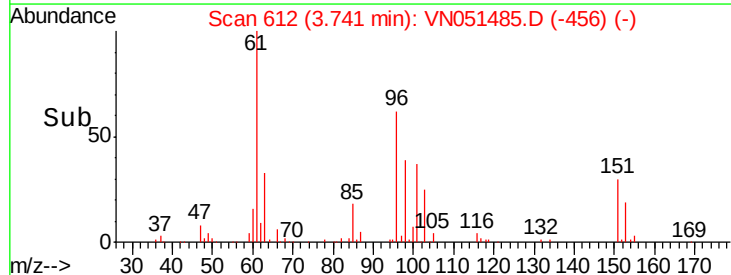
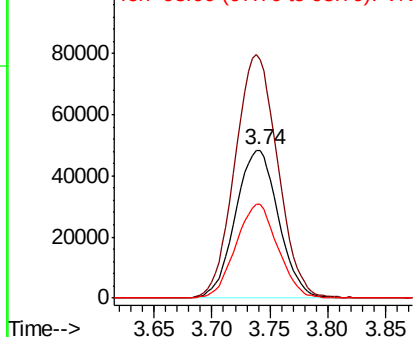


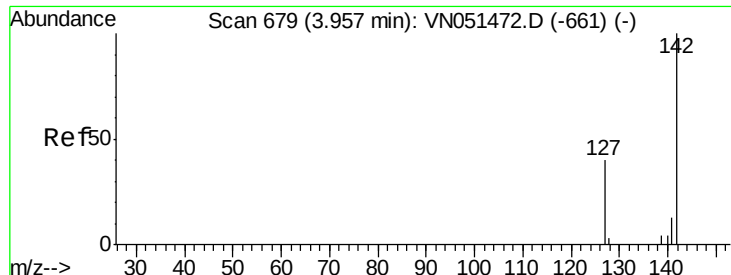
#10
 1,1-Dichloroethene
 Concen: 21.098 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 96 Resp: 124710
 Ion Ratio Lower Upper
 96 100
 61 161.1 133.0 199.6
 98 63.5 52.6 78.8



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

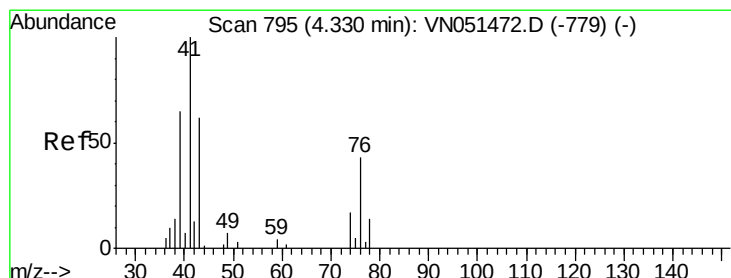
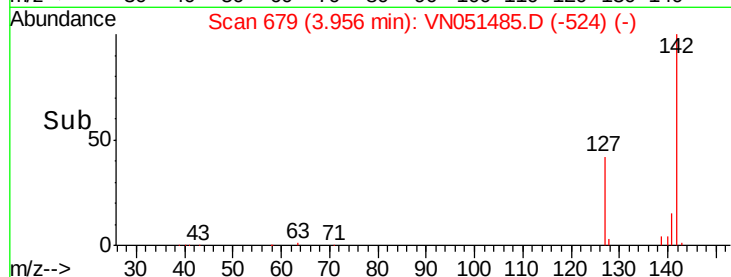
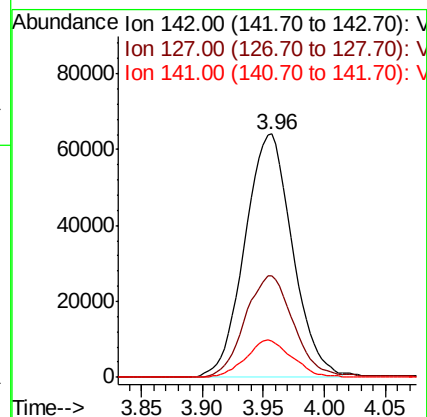
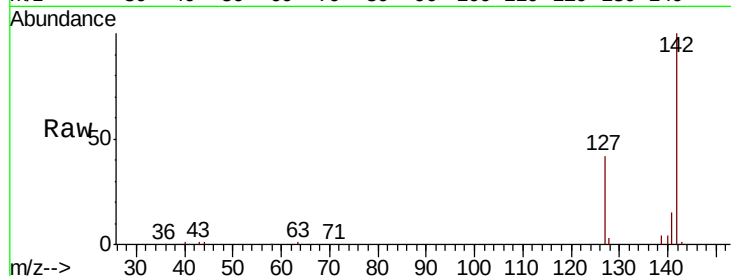




#11
Methvl Iodide
Concen: 19.885 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

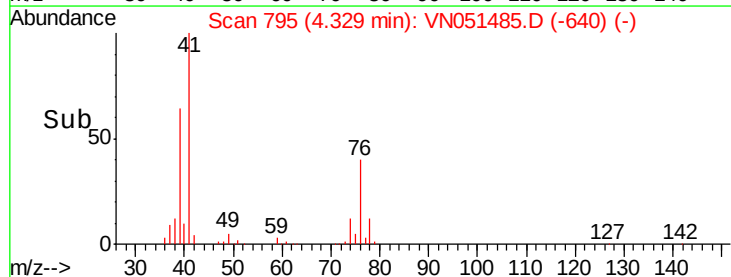
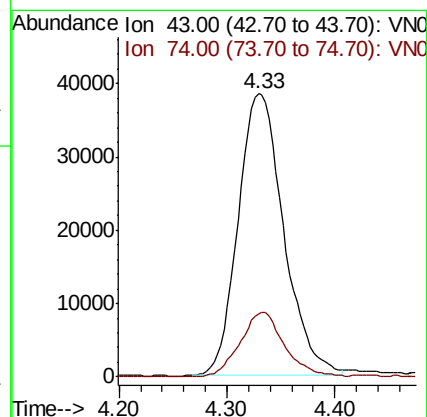
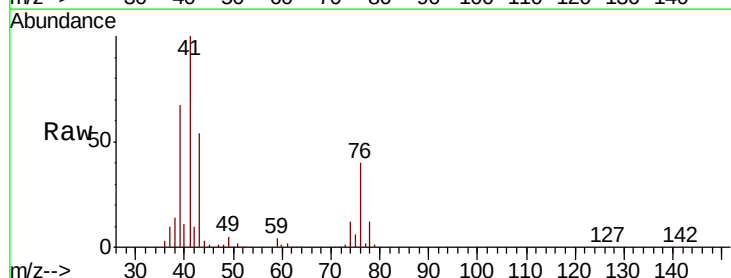
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

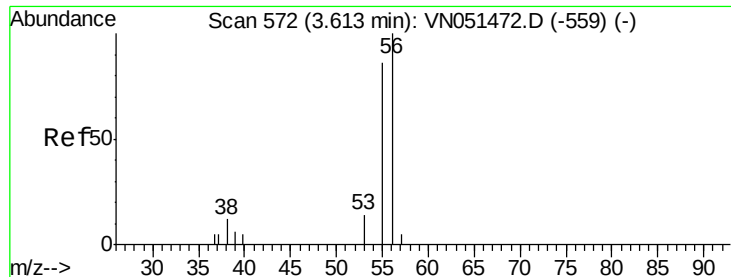
Tot Ion:142 Resp: 173326
Ion Ratio Lower Upper
142 100
127 41.5 19.7 59.0
141 14.9 6.3 18.9



#12
Methyl Acetate
Concen: 21.746 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 43 Resp: 112978
Ion Ratio Lower Upper
43 100
74 22.5 21.8 32.6





#13

Acrolein

Concen: 111.345 ug/l

RT: 3.61 min Scan# 572

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

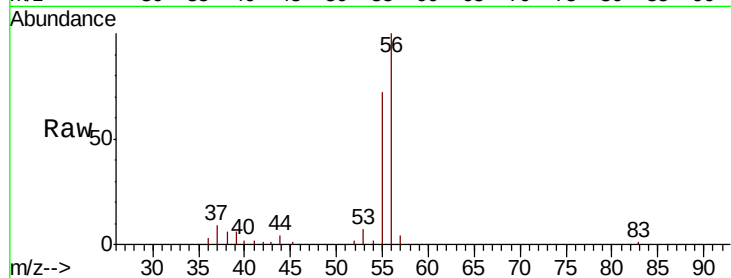
VN0925WBSD01

Tot Ion: 56 Resp: 77136

Ion Ratio Lower Upper

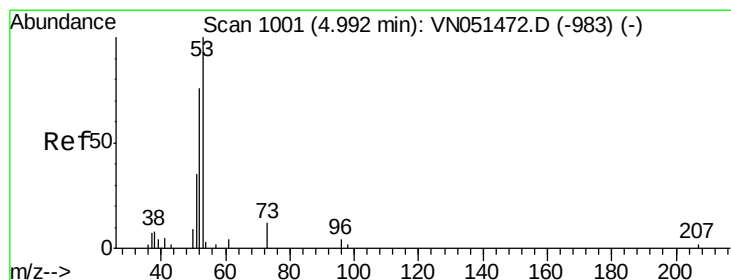
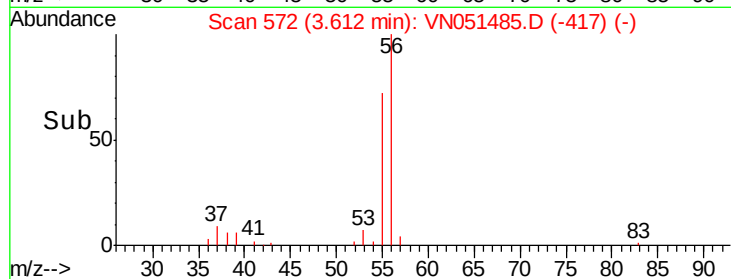
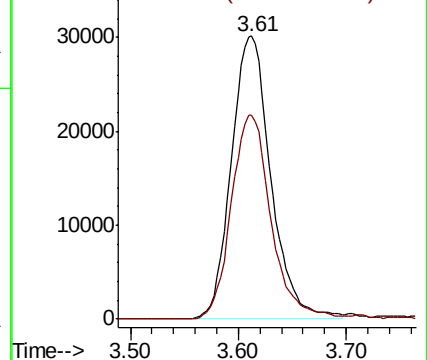
56 100

55 72.4 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 108.600 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

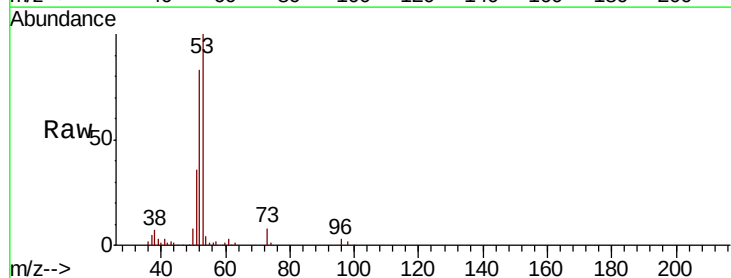
Tgt Ion: 53 Resp: 229190

Ion Ratio Lower Upper

53 100

52 82.1 18.3 54.8#

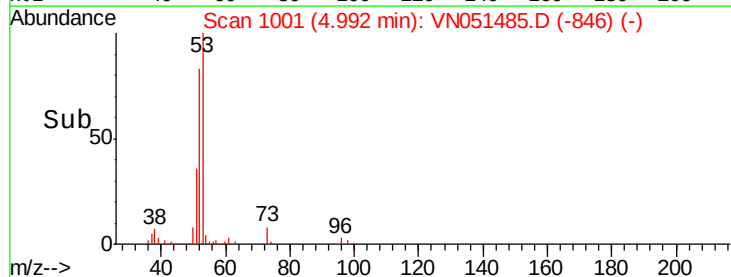
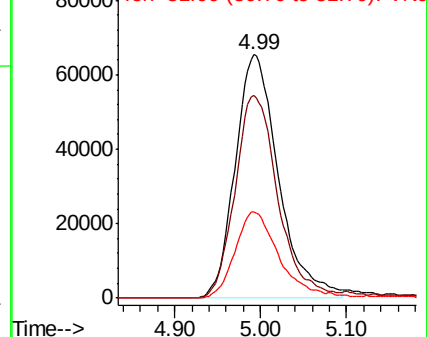
51 35.3 19.7 59.1

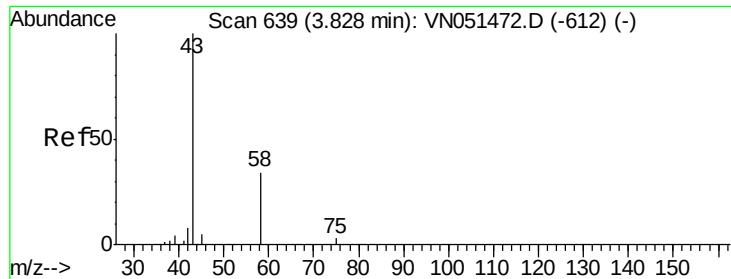


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 110.184 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

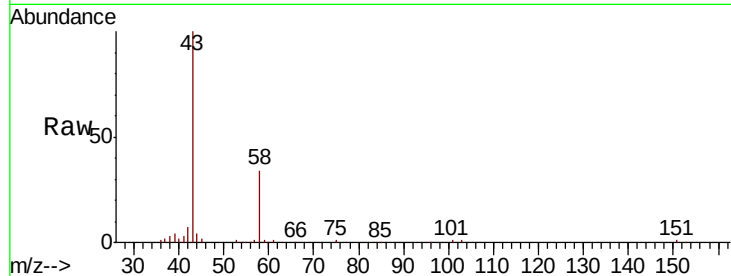
VN0925WBSD01

Tot Ion: 58 Resp: 57270

Ion Ratio Lower Upper

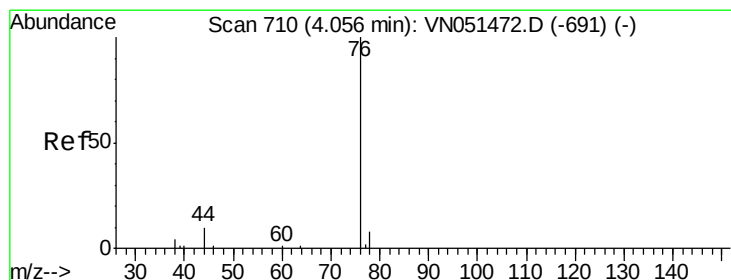
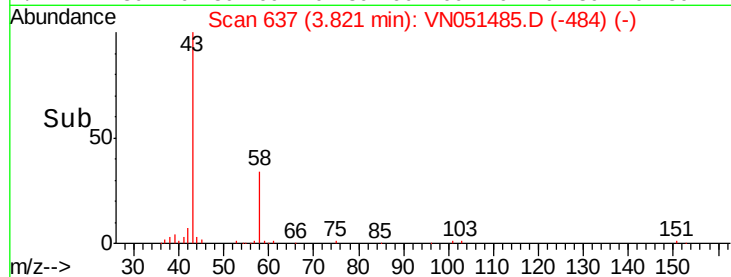
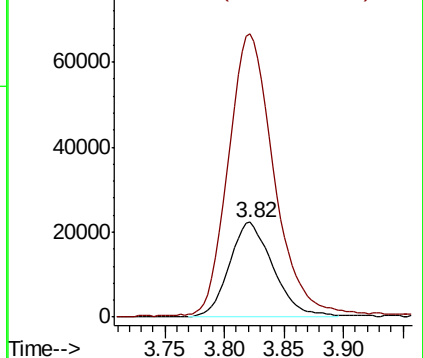
58 100

43 295.9 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.607 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051485.D

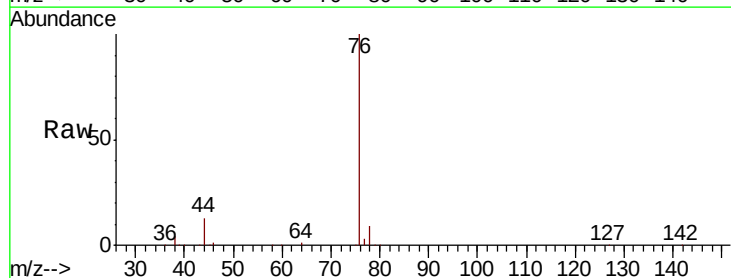
Acq: 25 Sep 2018 15:16

Tgt Ion: 76 Resp: 367601

Ion Ratio Lower Upper

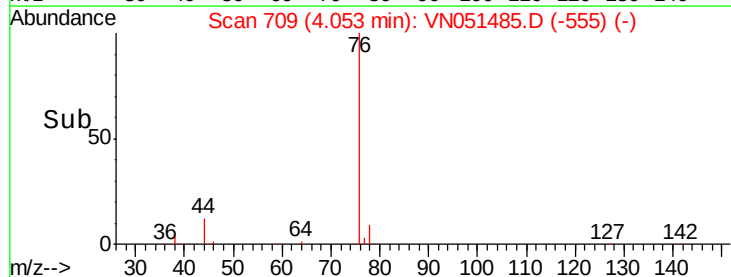
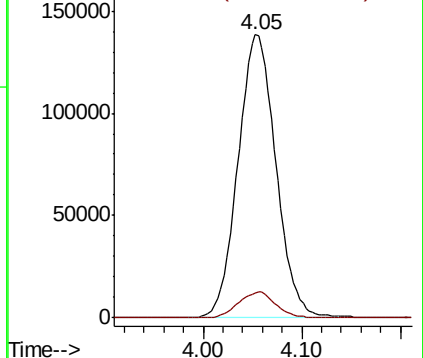
76 100

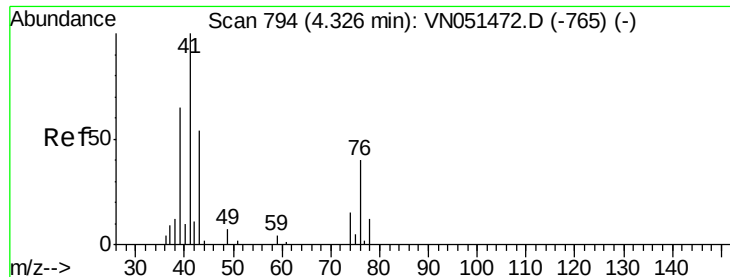
78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

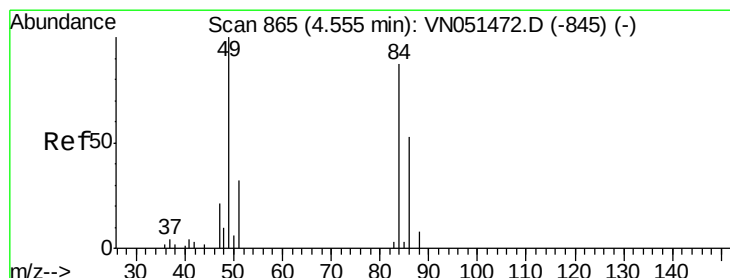
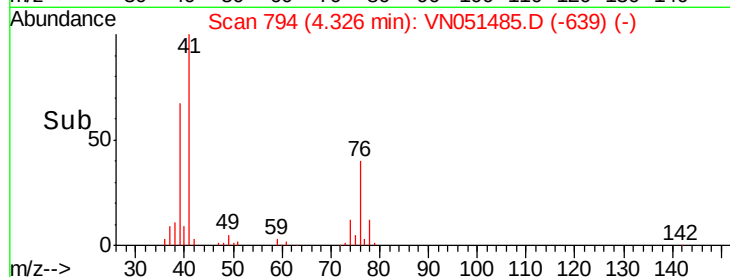
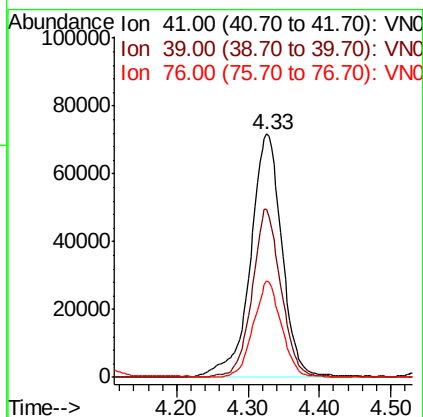
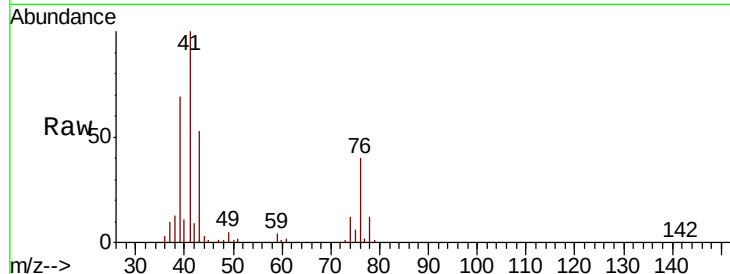




#17
Allvl chloride
Concen: 21.029 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

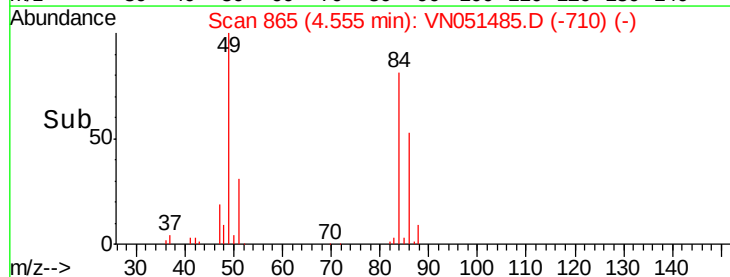
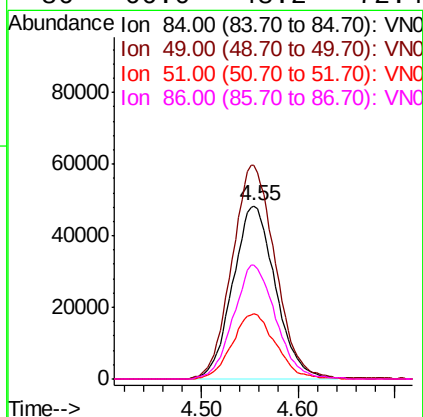
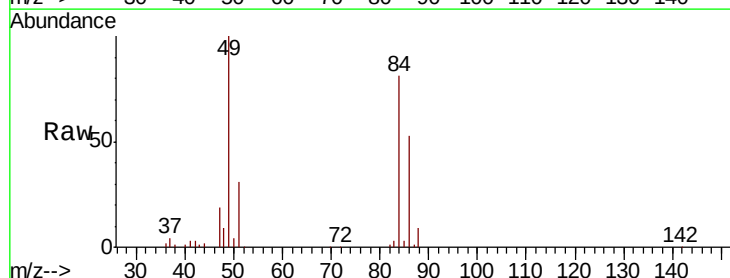
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

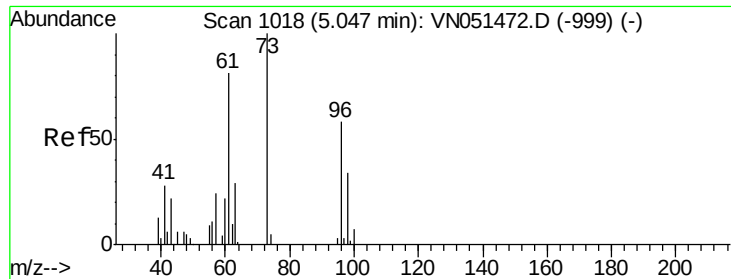
Tot Ion: 41 Resp: 219425
Ion Ratio Lower Upper
41 100
39 69.1 32.6 97.8
76 39.5 20.2 60.5



#18
Methylene Chloride
Concen: 21.021 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 84 Resp: 148389
Ion Ratio Lower Upper
84 100
49 123.0 91.6 137.4
51 37.9 29.8 44.6
86 66.0 48.2 72.4

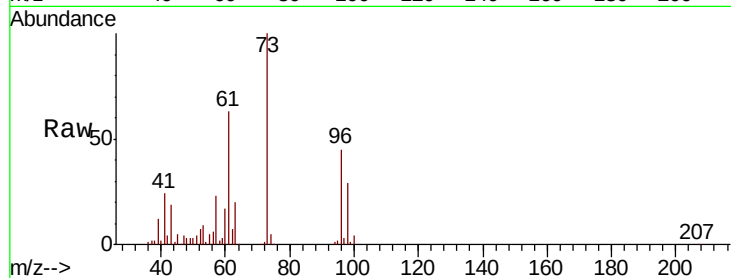




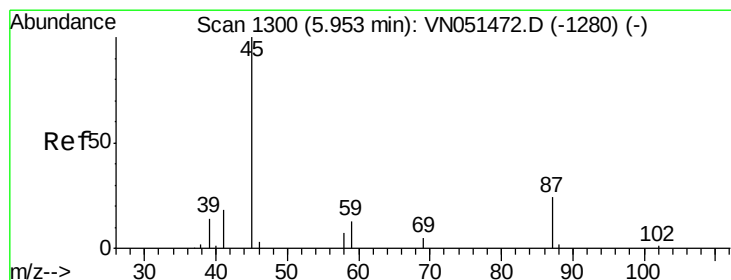
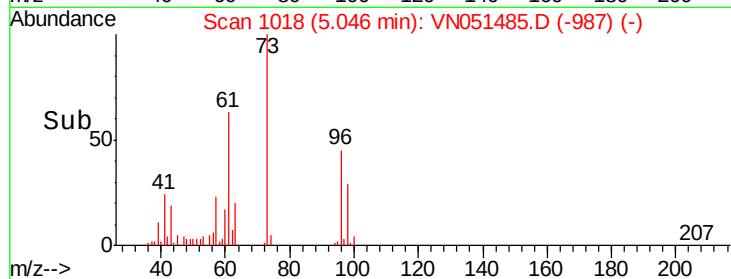
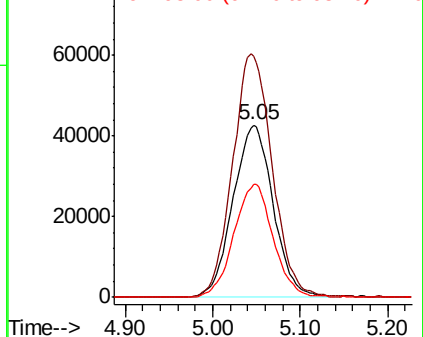
#19
trans-1,2-Dichloroethene
Concen: 21.245 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion: 96 Resp: 135939
Ion Ratio Lower Upper
96 100
61 139.8 112.3 168.5
98 64.9 47.1 70.7

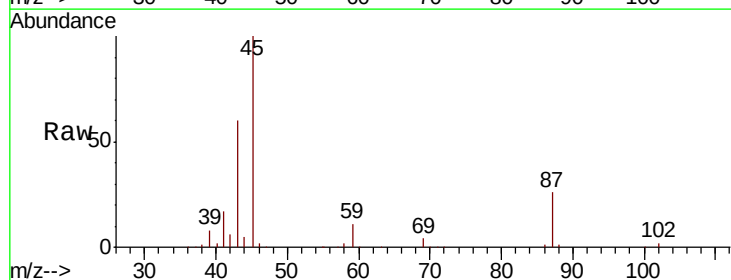


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

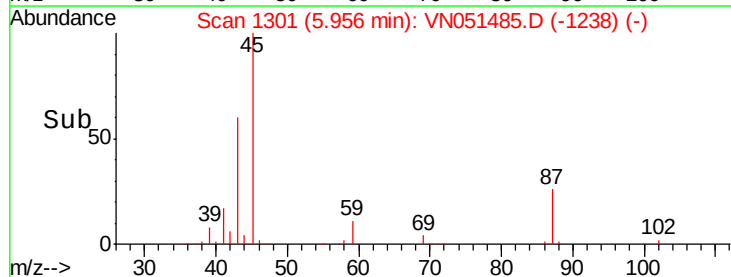
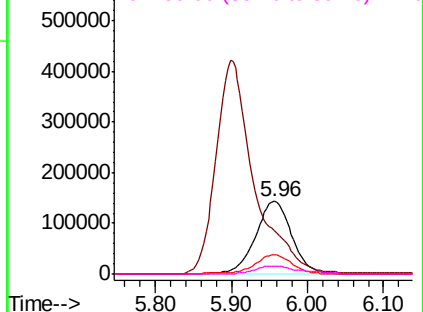


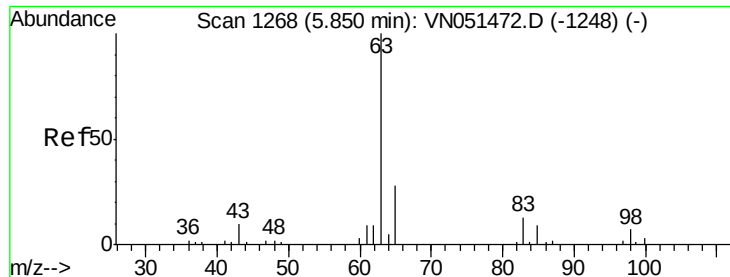
#20
Diisopropyl ether
Concen: 22.837 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 45 Resp: 473157
Ion Ratio Lower Upper
45 100
43 57.9 62.1 93.1#
87 26.2 19.9 29.9
59 10.9 9.8 14.6



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

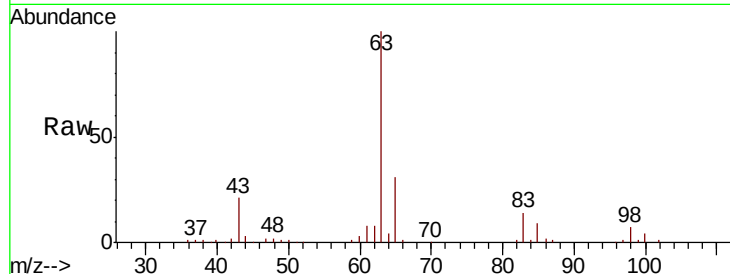




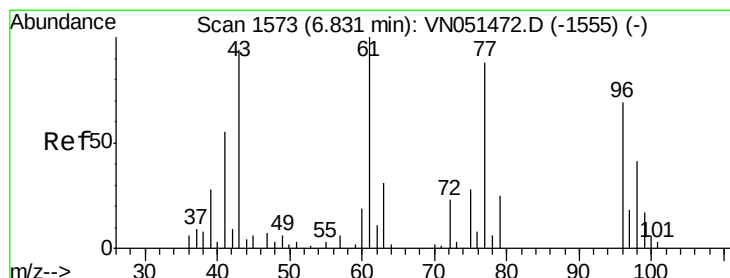
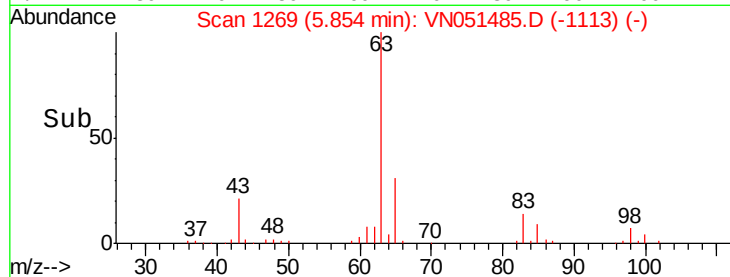
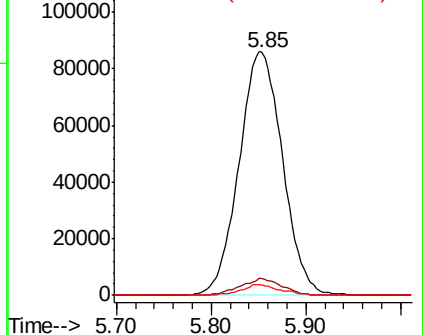
#21
 1,1-Dichloroethane
 Concen: 22.015 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion: 63 Resp: 274754
 Ion Ratio Lower Upper
 63 100
 98 6.9 4.1 12.3
 100 4.3 1.6 4.7

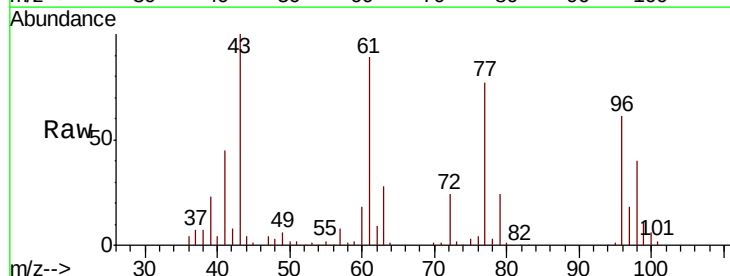


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

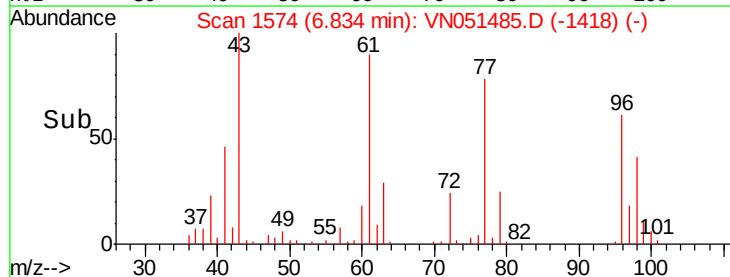
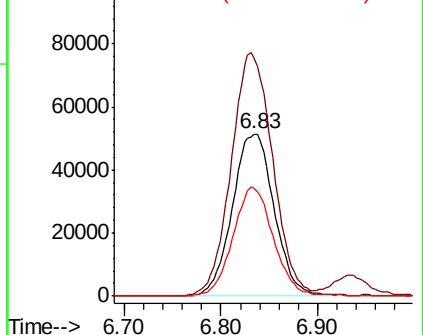


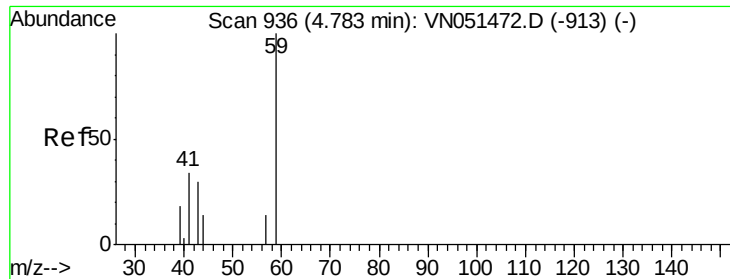
#22
 cis-1,2-Dichloroethene
 Concen: 21.555 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 96 Resp: 154336
 Ion Ratio Lower Upper
 96 100
 61 148.9 124.5 186.7
 98 65.1 51.9 77.9



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





#23

tert-Butyl Alcohol

Concen: 111.537 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

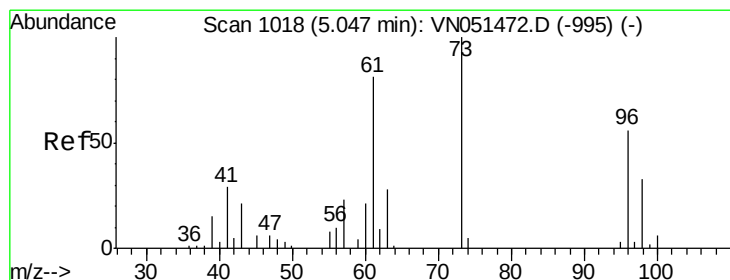
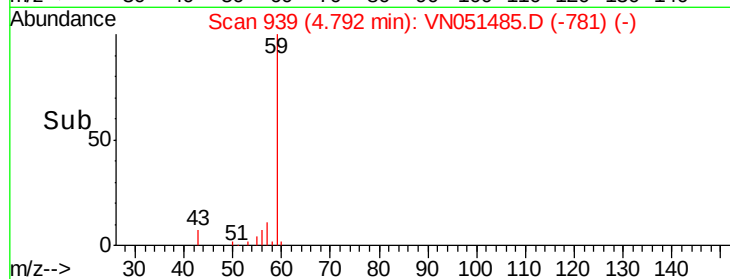
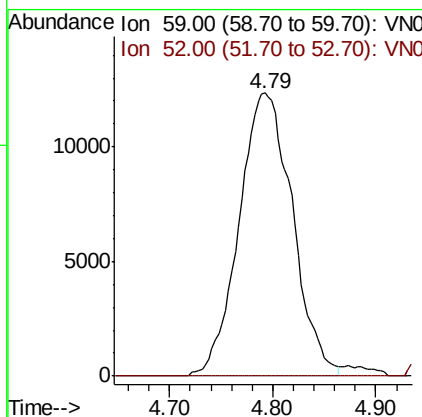
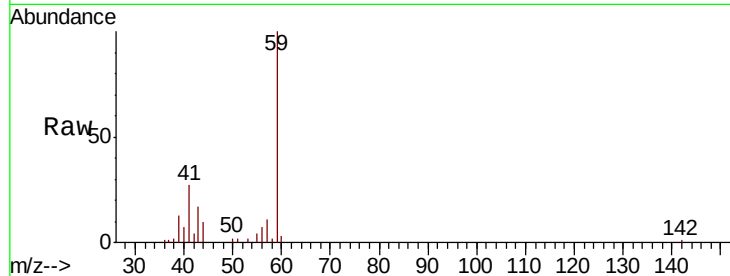
Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

Tot Ion: 59 Resp: 44327

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



#24

Methyl tert-Butyl Ether

Concen: 21.793 ug/l

RT: 5.05 min Scan# 1019

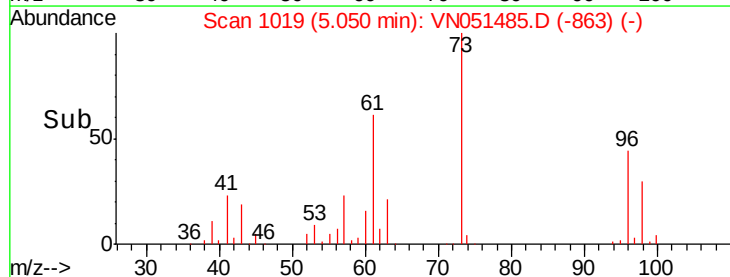
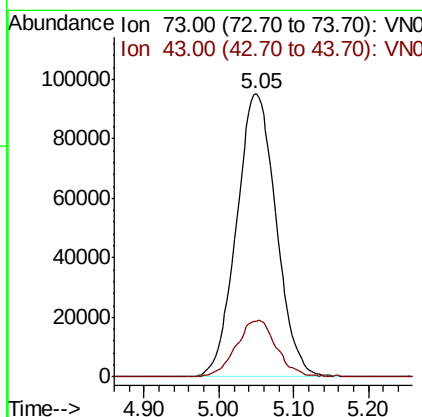
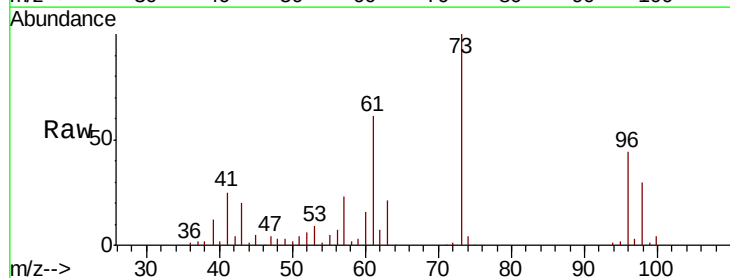
Delta R.T. 0.00 min

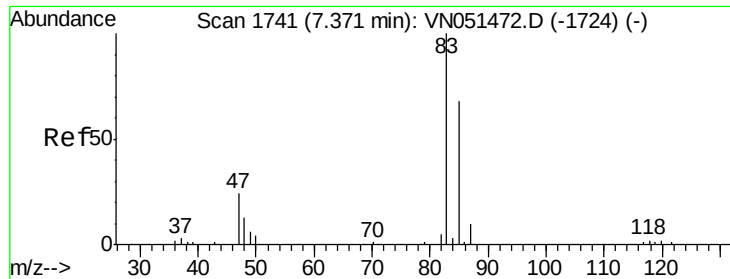
Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Tgt Ion: 73 Resp: 350852

Ion	Ratio	Lower	Upper
73	100		
43	20.1	5.4	8.0#

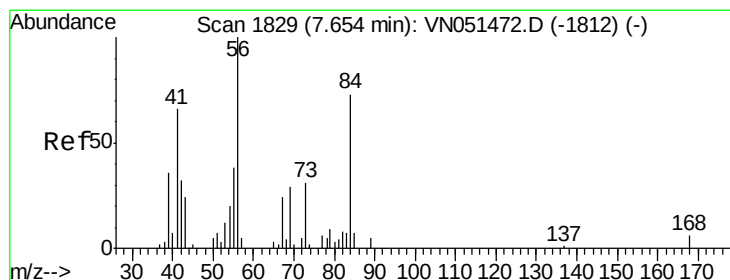
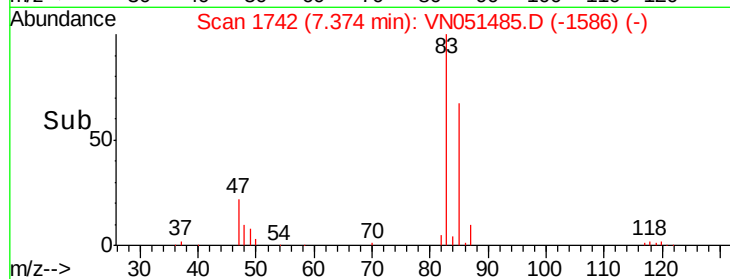
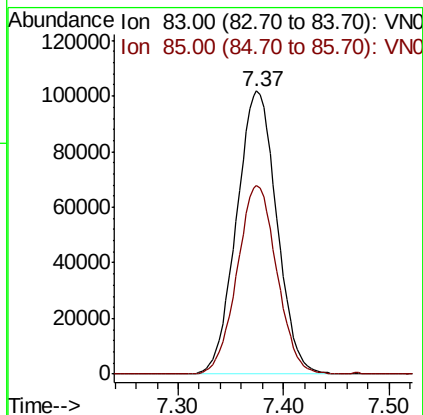
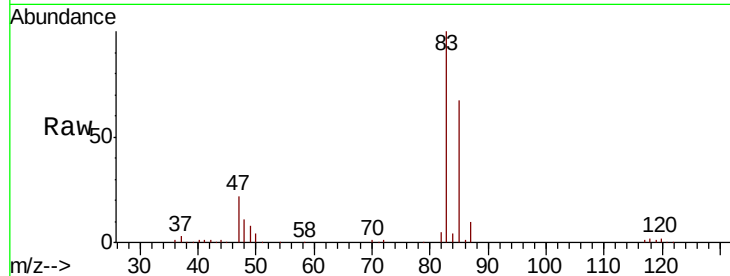




#25
Chloroform
Concen: 21.682 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

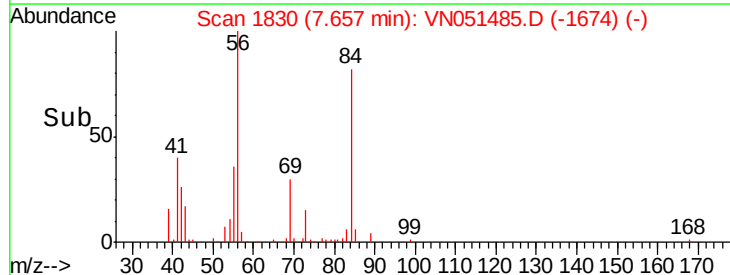
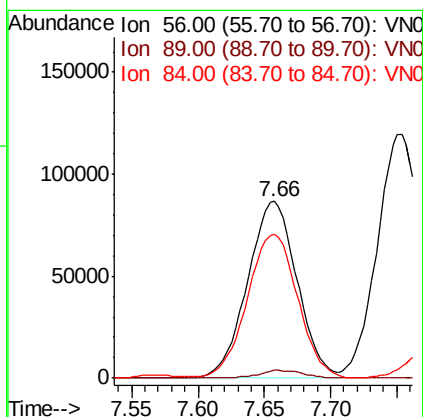
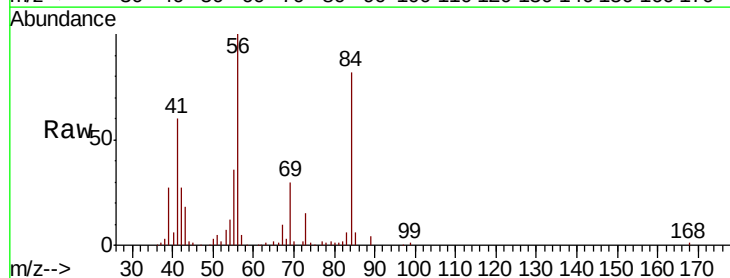
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

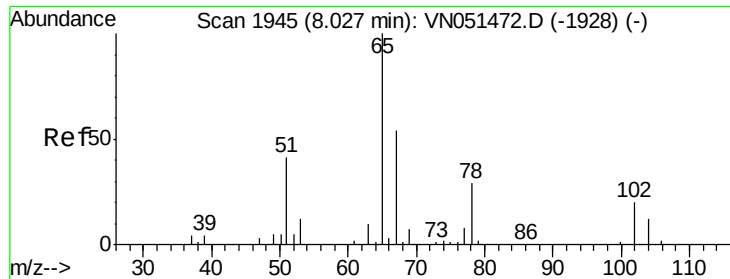
Tot Ion: 83 Resp: 269890
Ion Ratio Lower Upper
83 100
85 66.7 54.6 82.0



#26
Cyclohexane
Concen: 21.253 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 56 Resp: 225818
Ion Ratio Lower Upper
56 100
89 4.0 1.5 2.3#
84 83.1 64.2 96.4

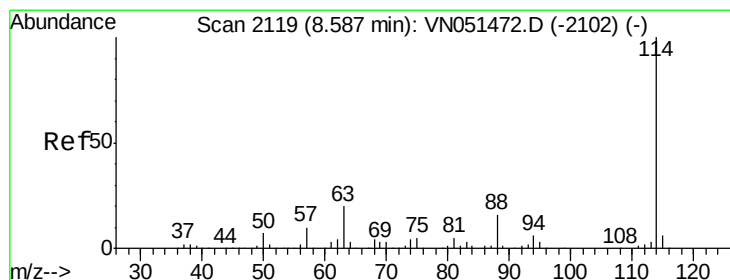
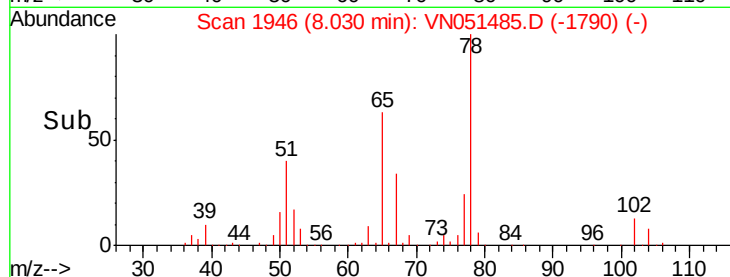
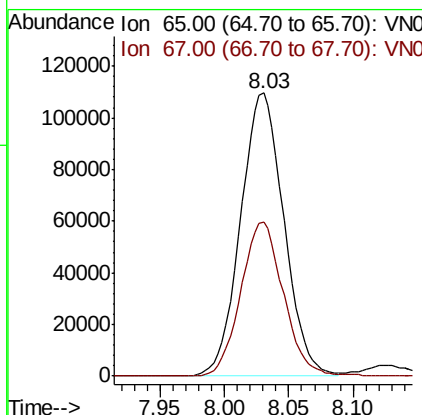
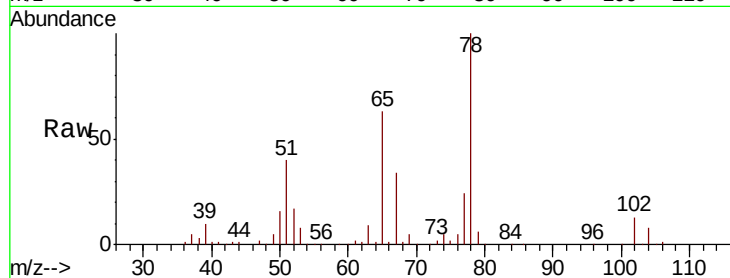




#27
 1,2-Dichloroethane-d4
 Concen: 29.732 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

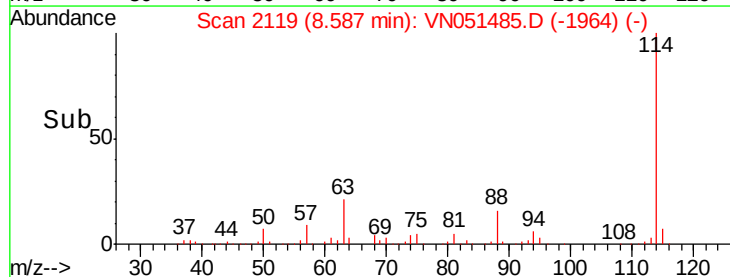
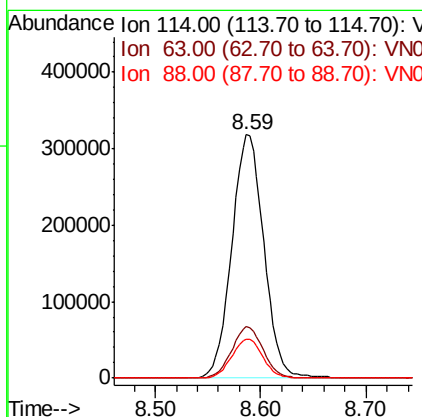
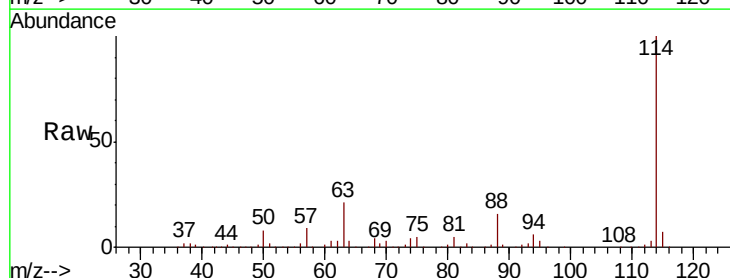
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

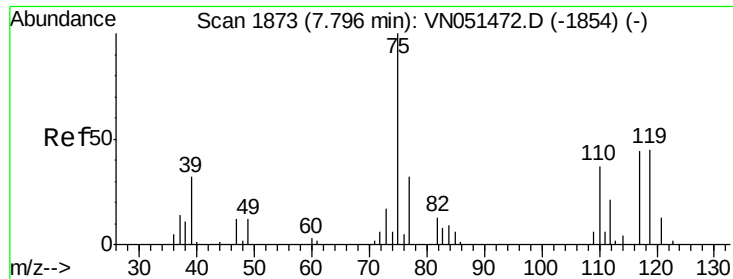
Tot Ion: 65 Resp: 256394
 Ion Ratio Lower Upper
 65 100
 67 53.4 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 114 Resp: 670666
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.2 24.2
 88 15.6 12.2 18.4

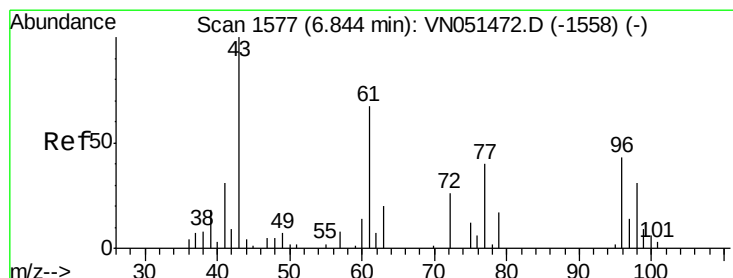
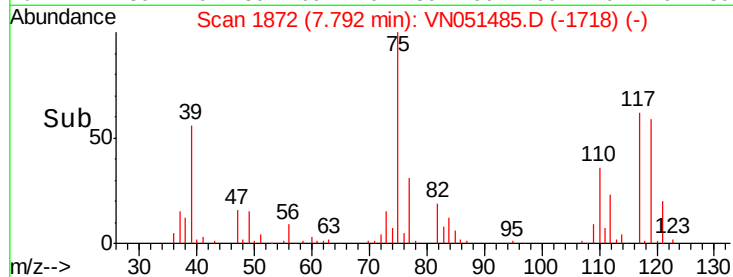
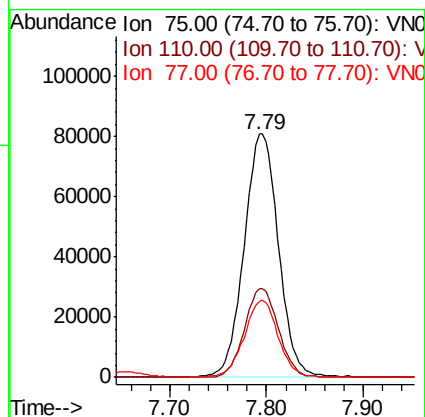
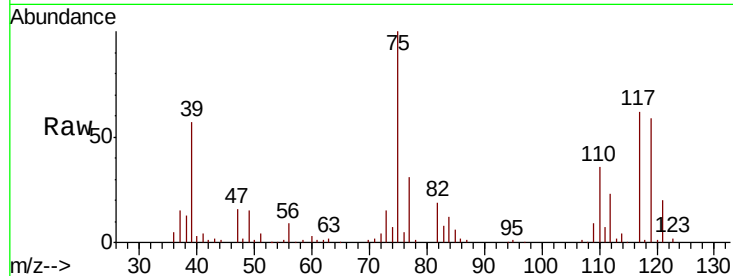




#29
 1,1-Dichloropropene
 Concen: 21.145 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

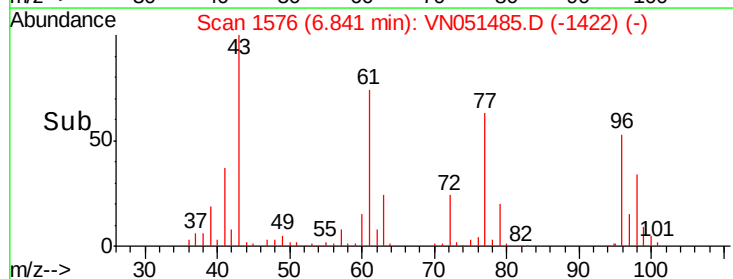
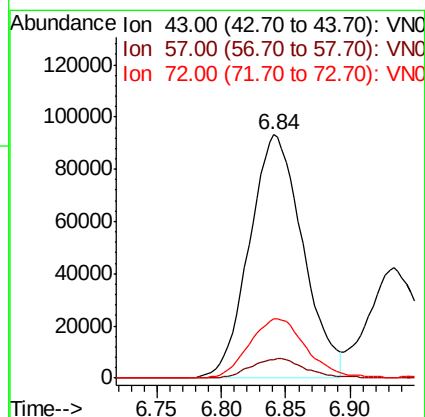
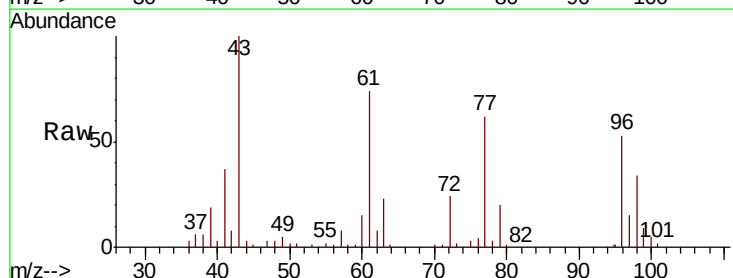
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0925WBSD01

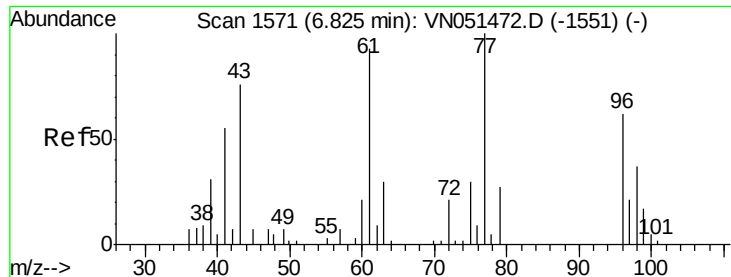
Tot Ion	75	Resp	199676
Ion Ratio	Lower	Upper	
75	100		
110	36.0	0.0	70.8
77	31.2	0.0	61.6



#30
 2-Butanone
 Concen: 109.434 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	43	Resp	266934
Ion Ratio	Lower	Upper	
43	100		
57	8.3	4.5	6.7#
72	26.3	21.5	32.3

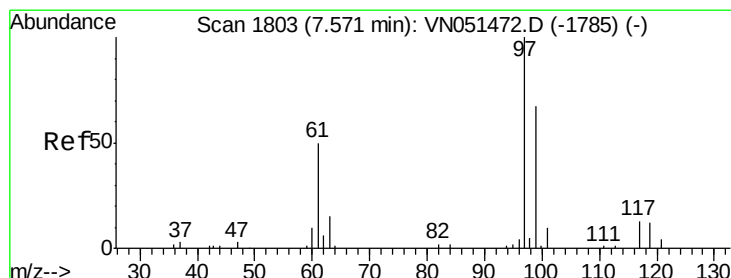
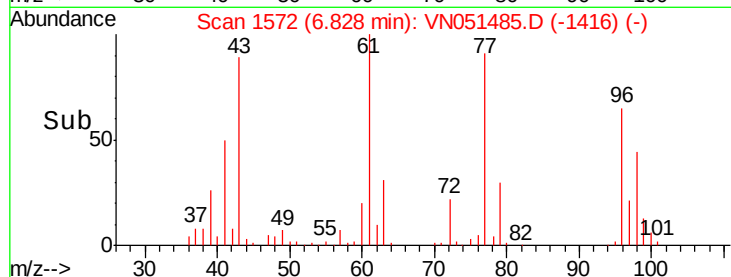
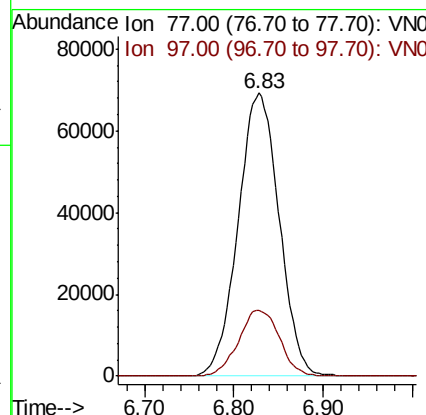
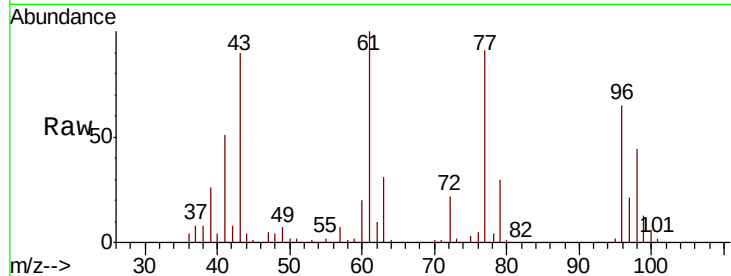




#31
 2,2-Dichloropropane
 Concen: 21.995 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

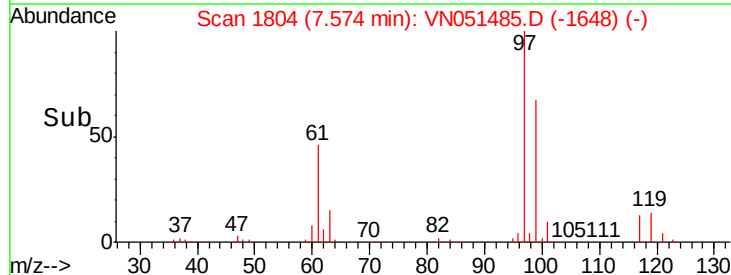
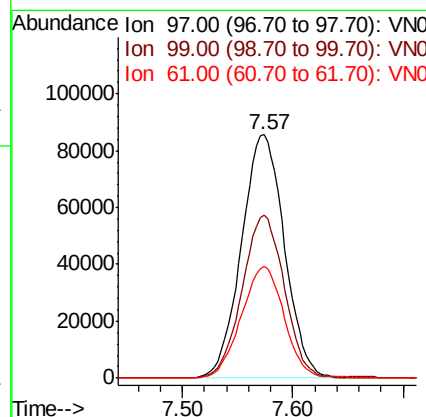
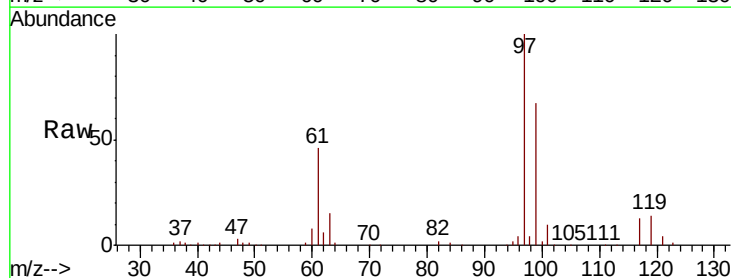
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

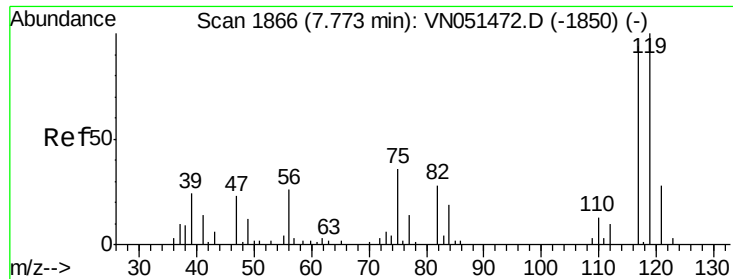
Tot Ion: 77 Resp: 221551
 Ion Ratio Lower Upper
 77 100
 97 23.3 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 21.449 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 97 Resp: 231234
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.6 77.4
 61 45.4 37.4 56.0

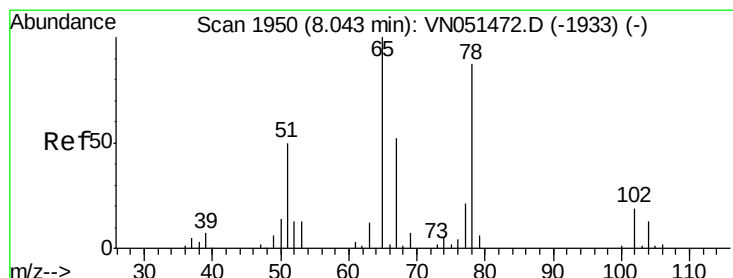
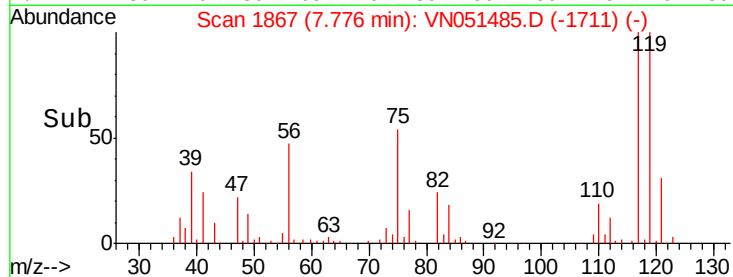
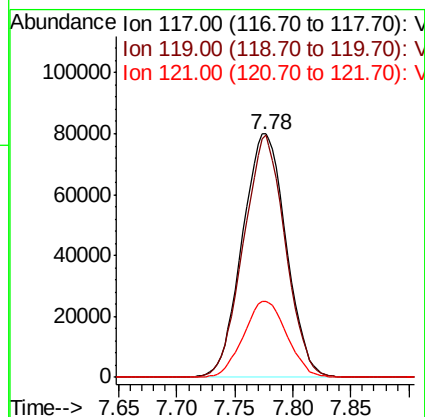
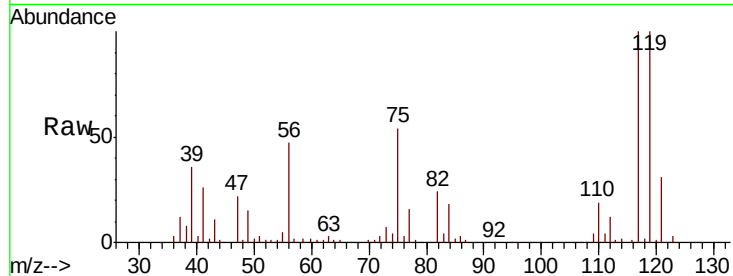




#33
Carbon Tetrachloride
Concen: 21.287 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

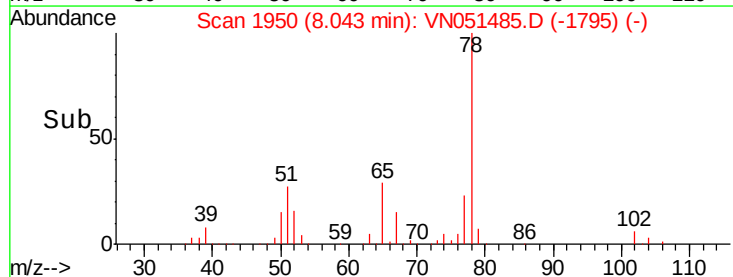
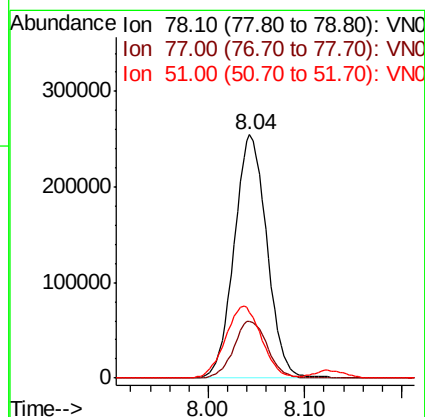
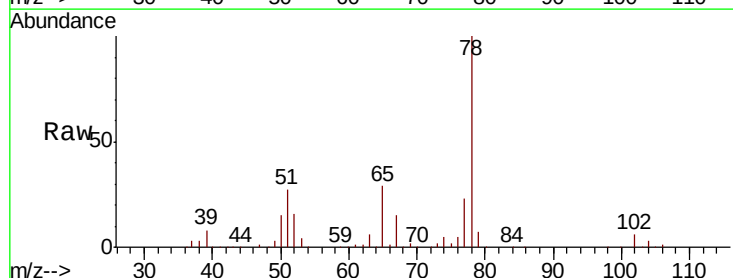
Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

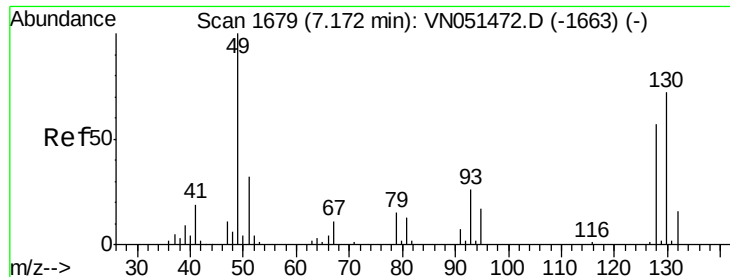
Tot Ion:117 Resp: 210564
Ion Ratio Lower Upper
117 100
119 99.5 85.1 127.7
121 31.0 24.2 36.2



#34
Benzene
Concen: 21.337 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 78 Resp: 598189
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2
51 26.9 46.2 69.4#

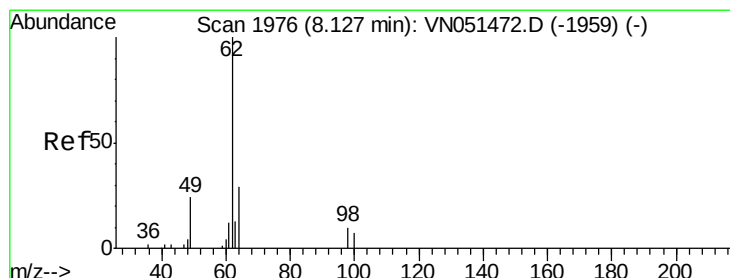
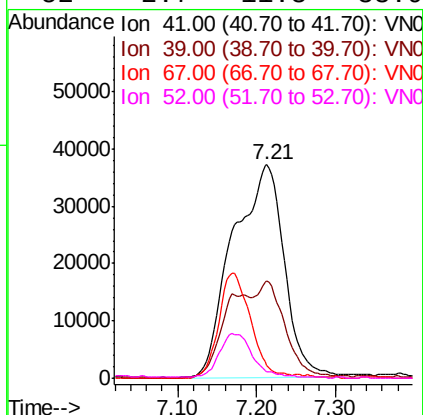
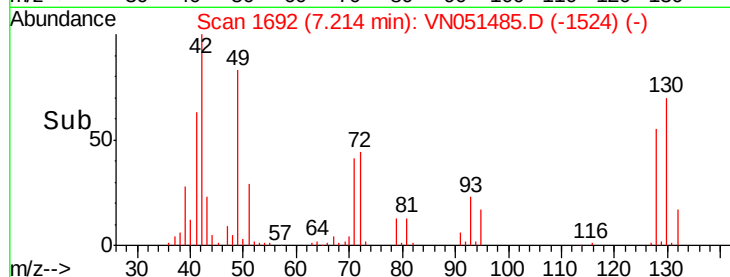
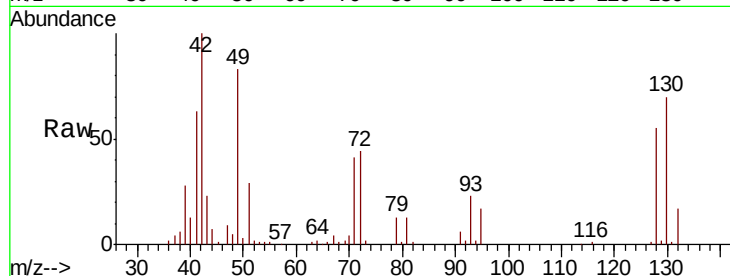




#35
Methacrylonitrile
Concen: 48.241 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

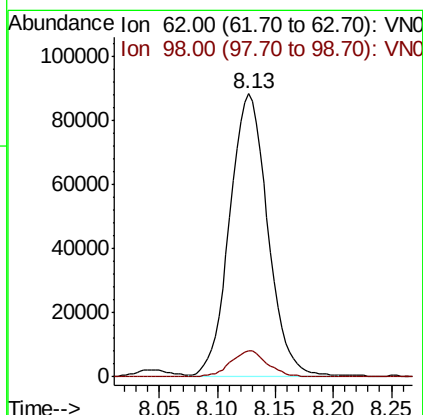
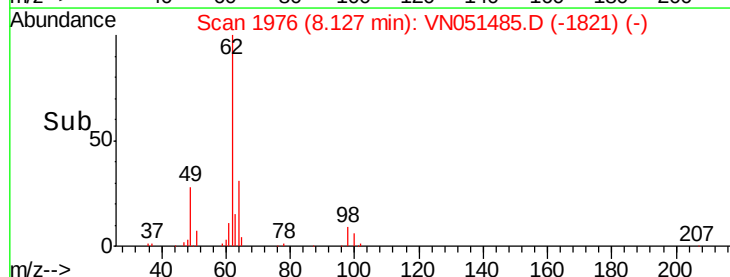
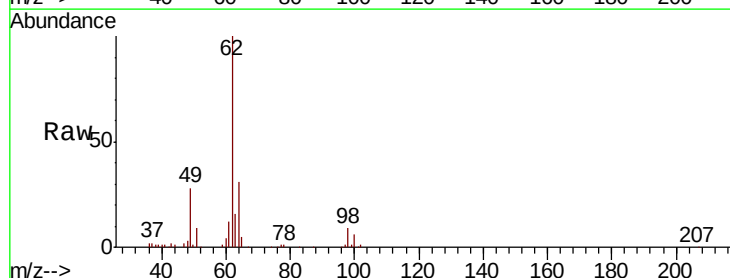
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

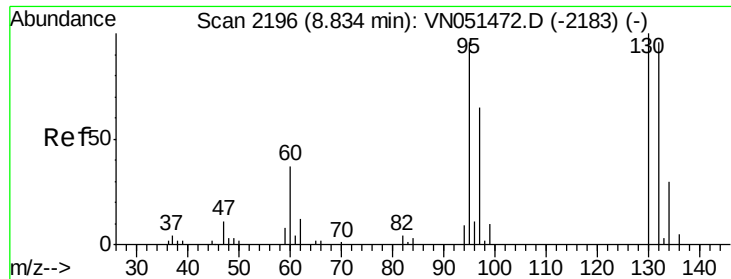
Tot Ion: 41 Resp: 169567
Ion Ratio Lower Upper
41 100
39 45.1 22.6 67.7
67 6.1 28.9 86.8#
52 2.7 11.3 33.9#



#36
1,2-Dichloroethane
Concen: 22.153 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 62 Resp: 202230
Ion Ratio Lower Upper
62 100
98 8.9 6.9 10.3





#37

Trichloroethene

Concen: 20.945 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

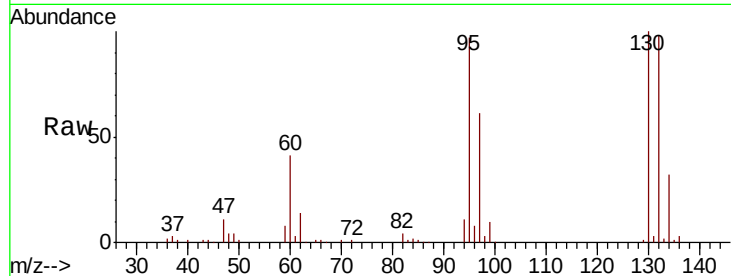
VN0925WBSD01

Tot Ion:130 Resp: 155636

Ion Ratio Lower Upper

130 100

95 96.8 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

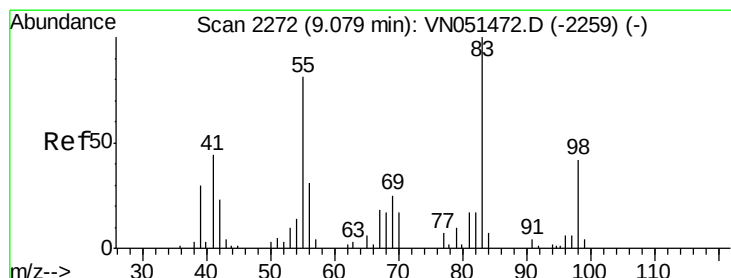
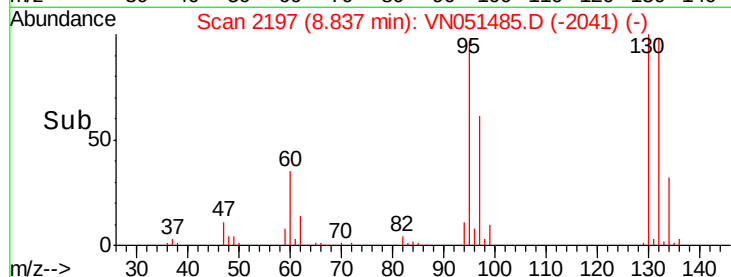
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 20.404 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

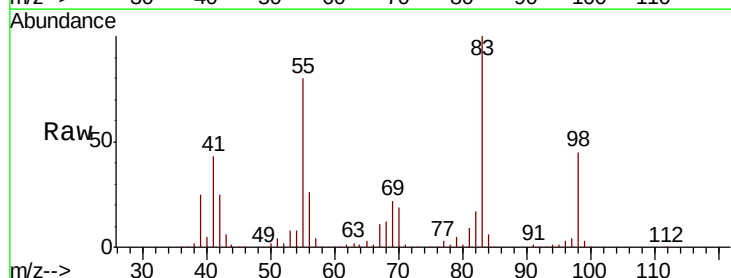
Tgt Ion: 83 Resp: 223357

Ion Ratio Lower Upper

83 100

55 80.7 43.0 129.2

98 44.9 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

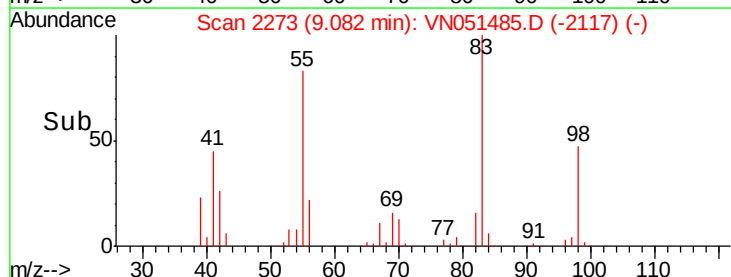
100000

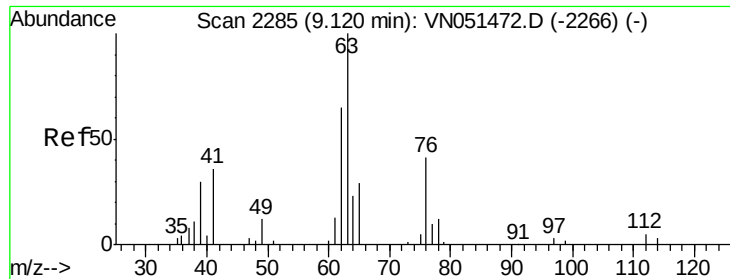
50000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 21.659 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampled :

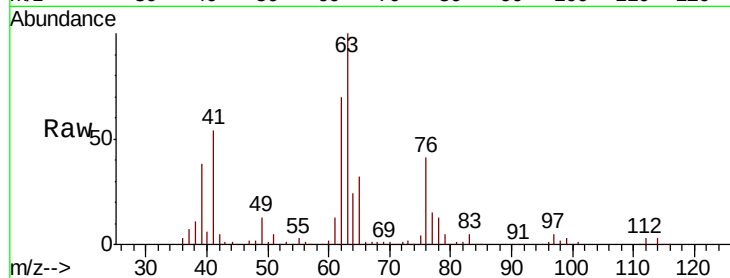
VN0925WBSD01

Tot Ion: 63 Resp: 165184

Ion Ratio Lower Upper

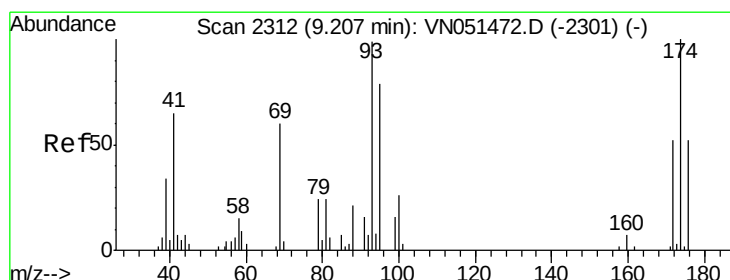
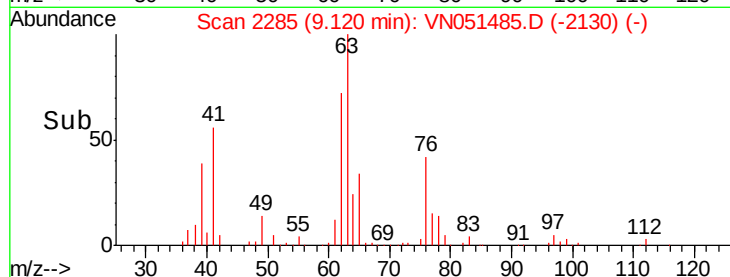
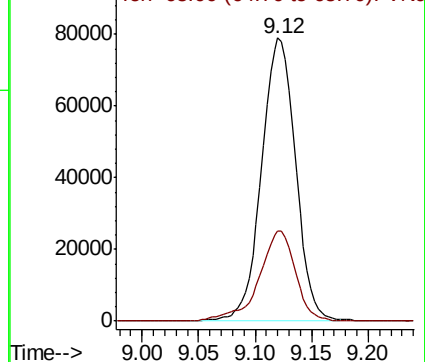
63 100

65 32.0 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.480 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

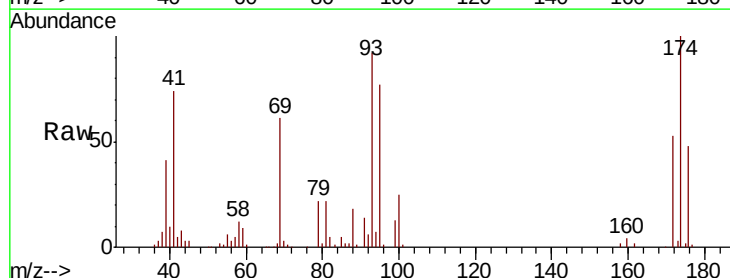
Tgt Ion: 93 Resp: 93240

Ion Ratio Lower Upper

93 100

95 83.2 0.0 162.0

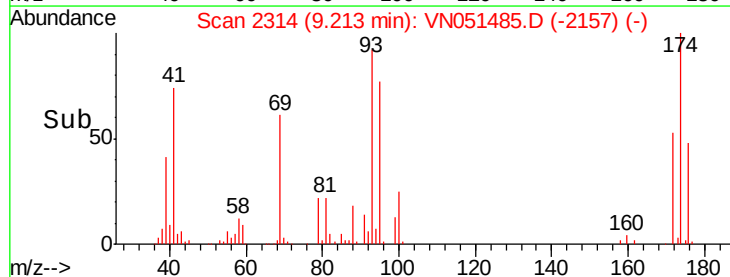
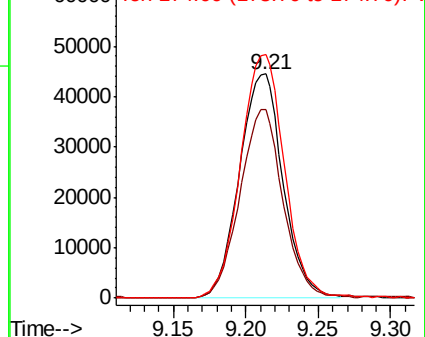
174 109.4 0.0 214.0

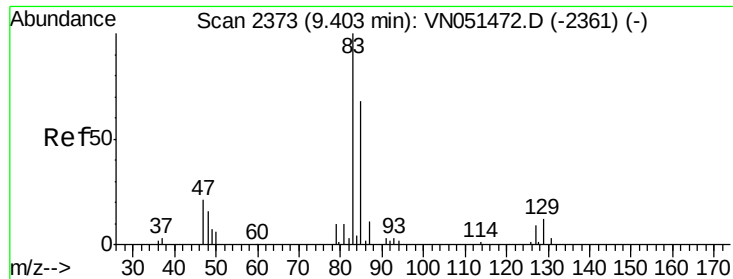


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 21.138 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

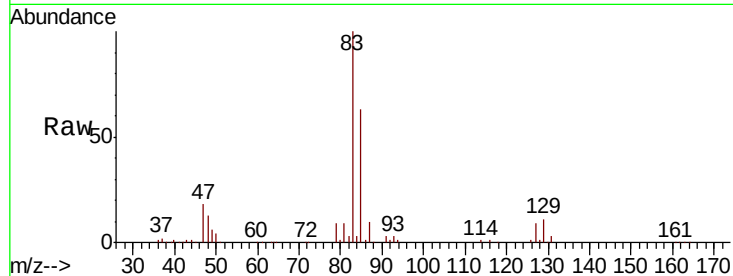
Tot Ion: 83 Resp: 201739

Ion Ratio Lower Upper

83 100

85 62.8 55.7 83.5

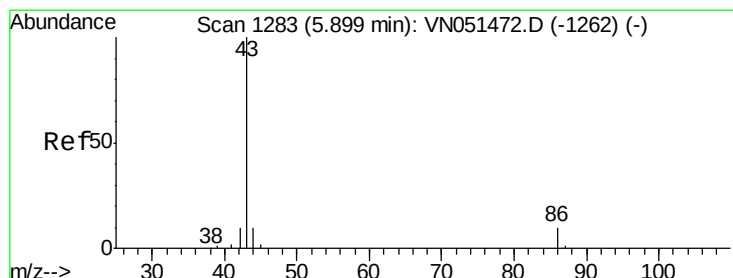
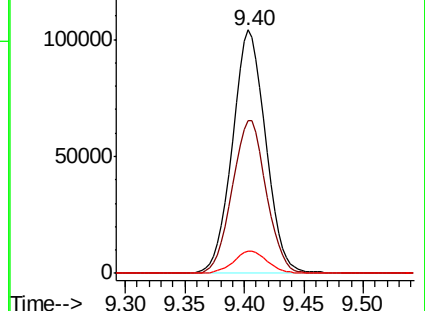
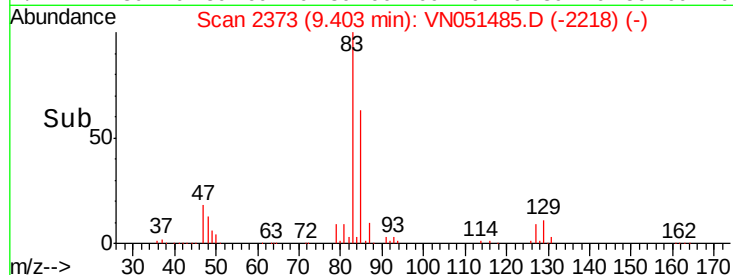
127 9.1 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 108.423 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051485.D

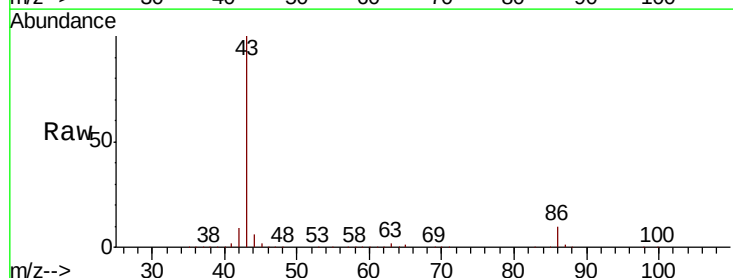
Acq: 25 Sep 2018 15:16

Tgt Ion: 43 Resp: 1470595

Ion Ratio Lower Upper

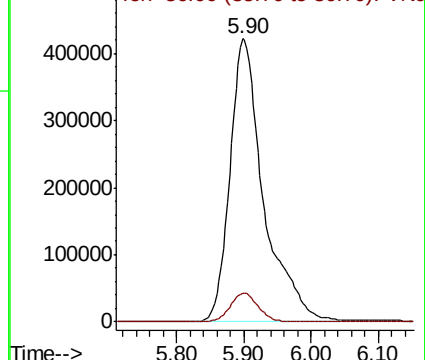
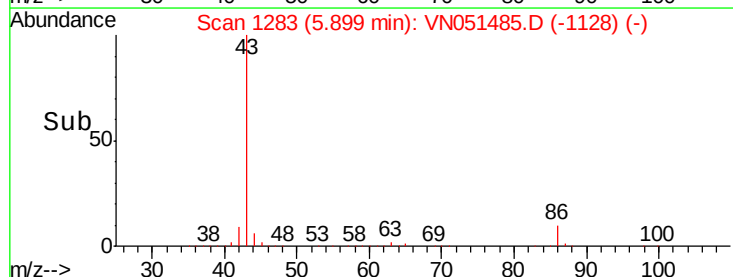
43 100

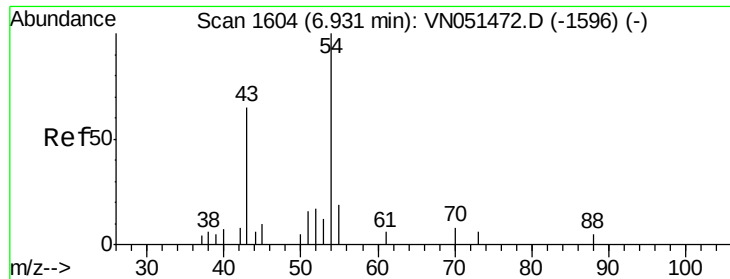
86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

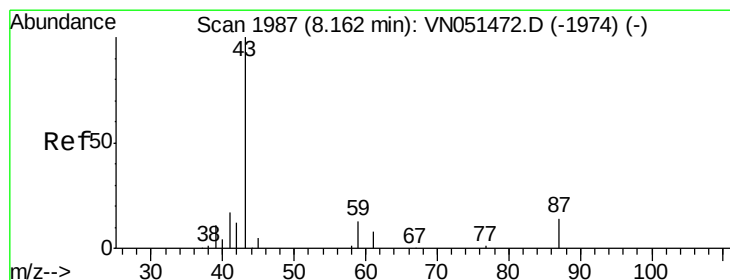
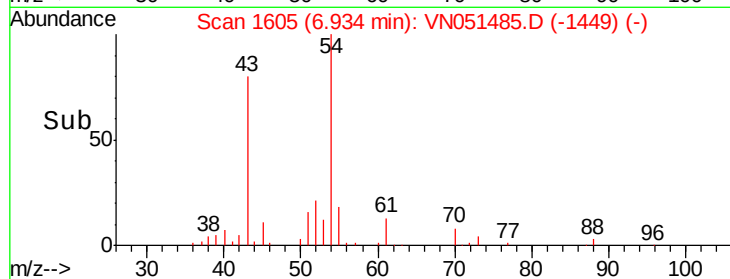
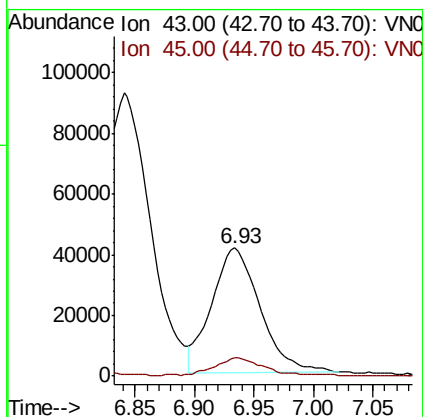
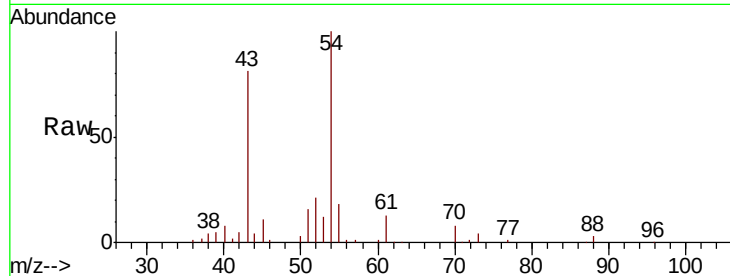




#43
Ethyl Acetate
Concen: 22.877 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

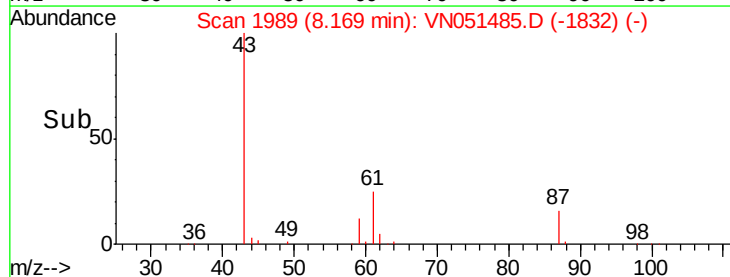
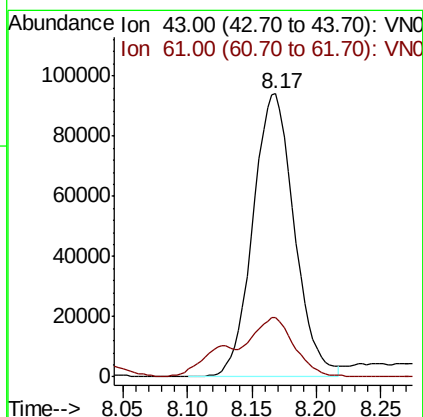
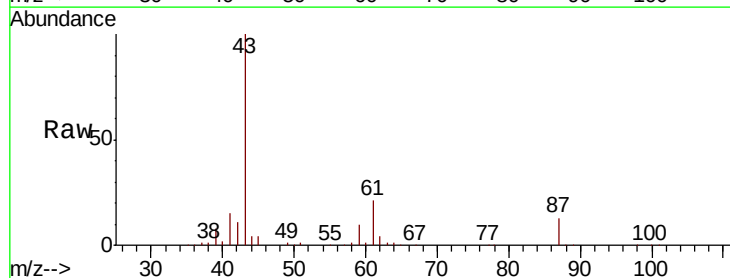
Instrument :
MSVOA_N
ClientSampleID :
VN0925WBSD01

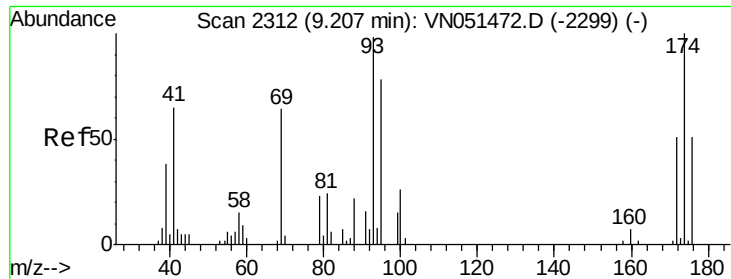
Tot Ion: 43 Resp: 116106
Ion Ratio Lower Upper
43 100
45 12.6 11.0 16.6



#44
Isopropyl Acetate
Concen: 21.596 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 43 Resp: 210804
Ion Ratio Lower Upper
43 100
61 20.2 15.9 23.9

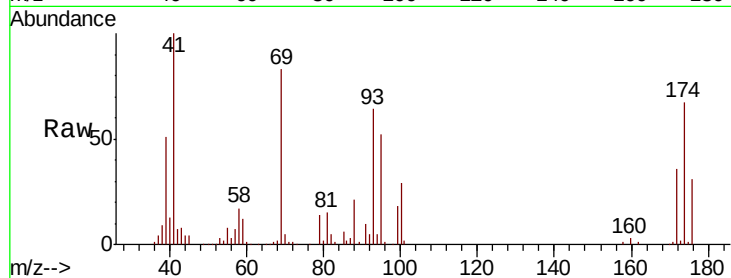




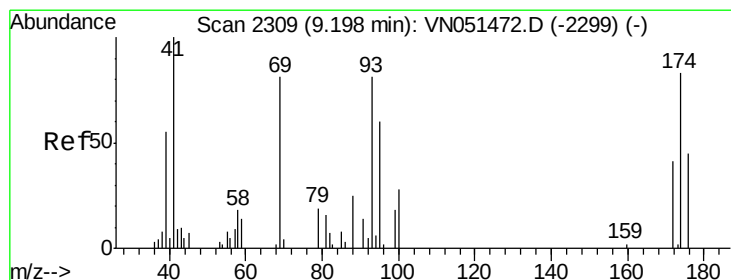
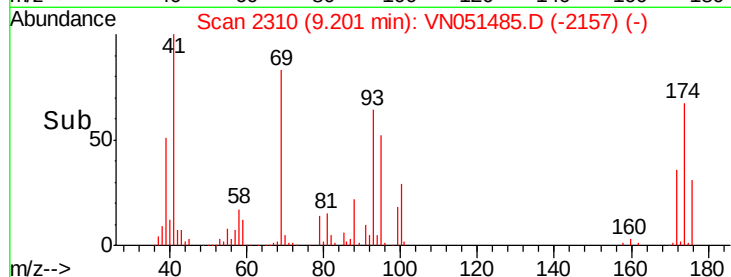
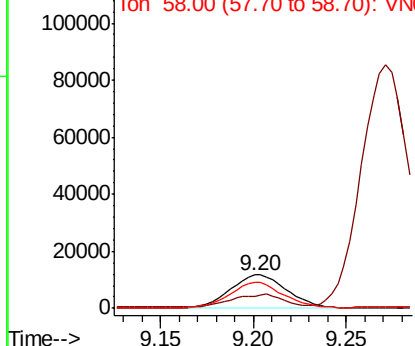
#45
 1,4-Dioxane
 Concen: 419.908 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion: 88 Resp: 24936
 Ion Ratio Lower Upper
 88 100
 43 34.8 26.2 39.2
 58 74.4 65.6 98.4

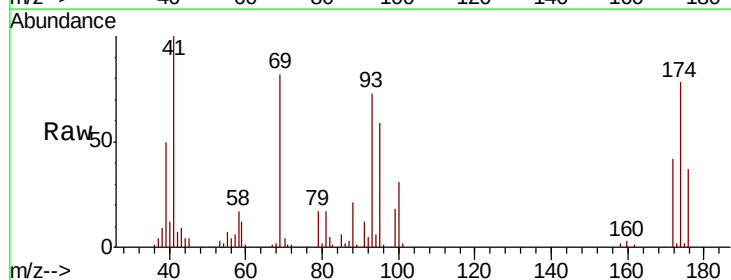


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

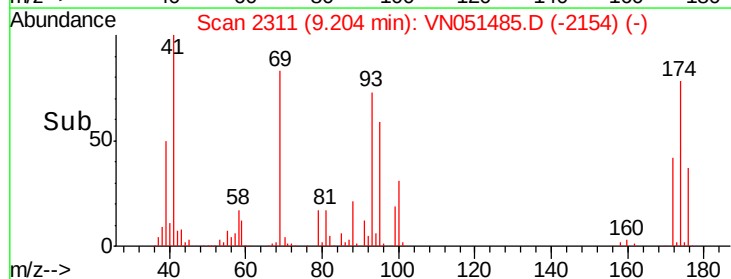
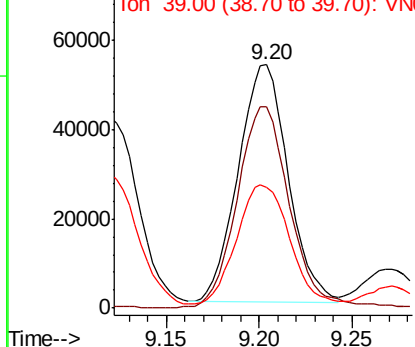


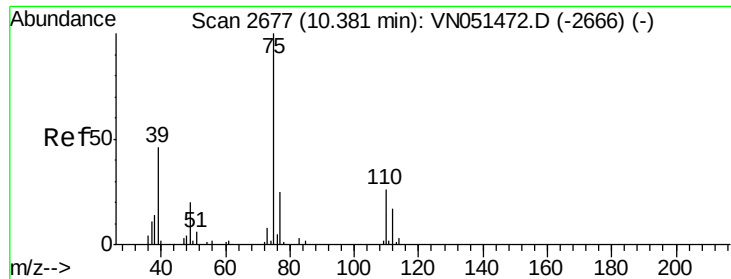
#46
 Methyl methacrylate
 Concen: 20.789 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 41 Resp: 100492
 Ion Ratio Lower Upper
 41 100
 69 84.0 40.7 122.1
 39 49.4 27.3 81.9



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





#48

t-1,3-Dichloropropene

Concen: 21.440 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

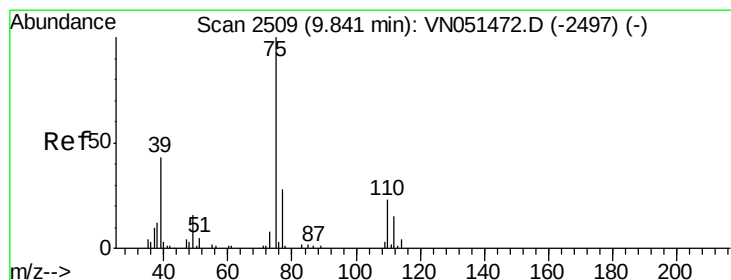
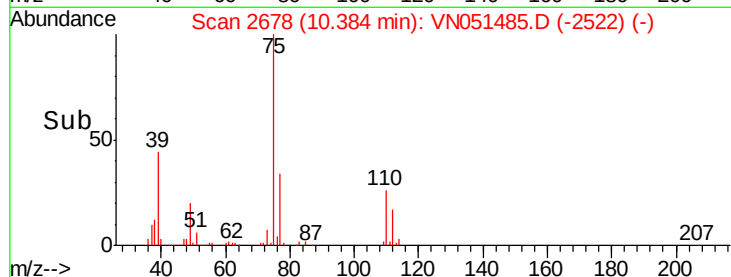
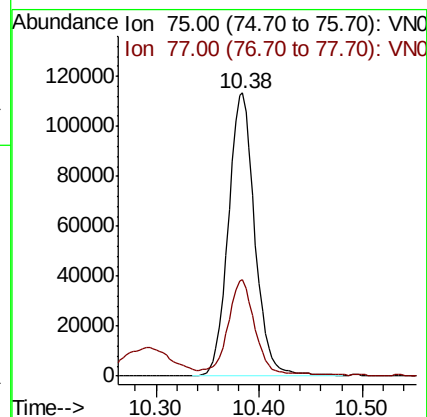
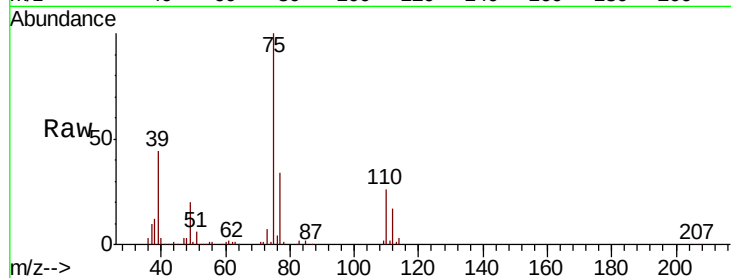
VN0925WBSD01

Tot Ion: 75 Resp: 203180

Ion Ratio Lower Upper

75 100

77 33.3 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 21.385 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

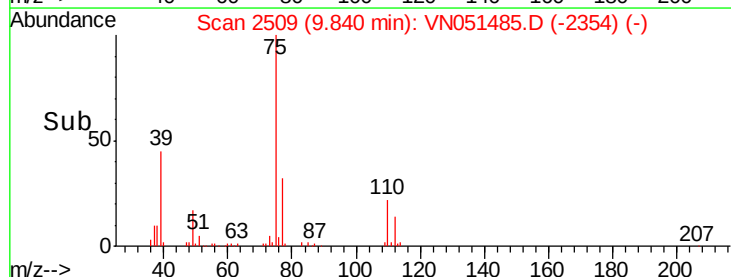
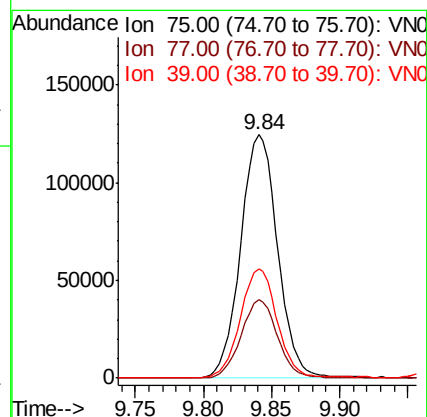
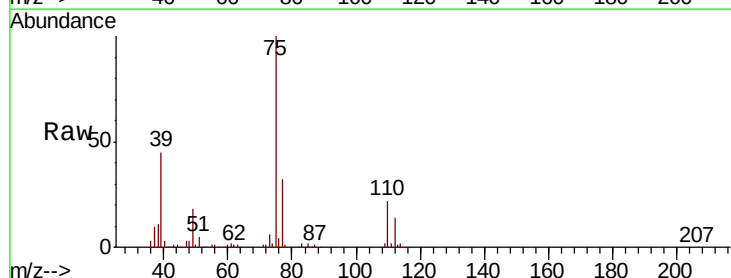
Tgt Ion: 75 Resp: 234592

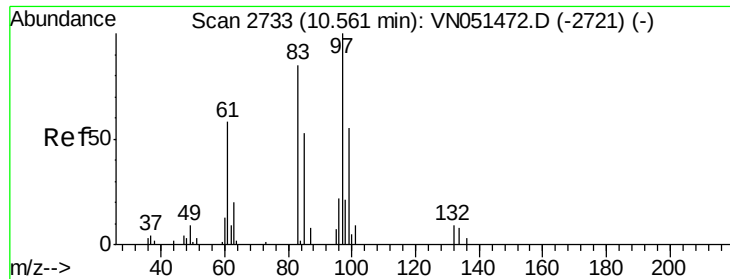
Ion Ratio Lower Upper

75 100

77 32.0 23.2 34.8

39 44.8 34.6 52.0

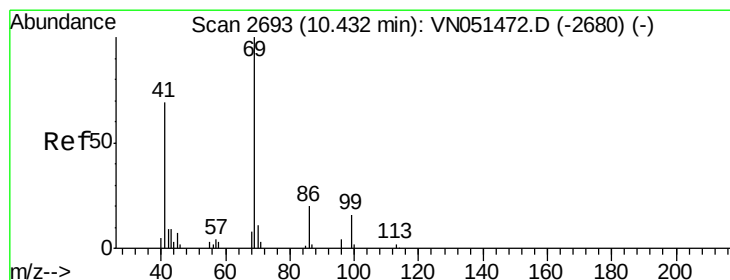
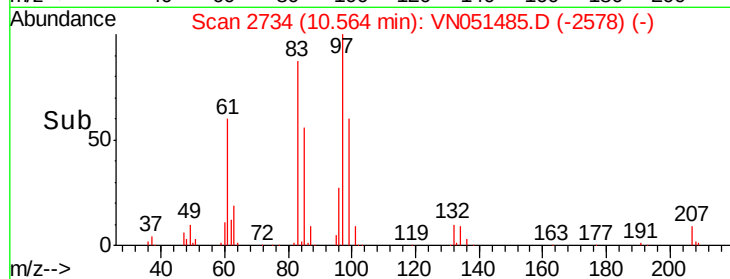
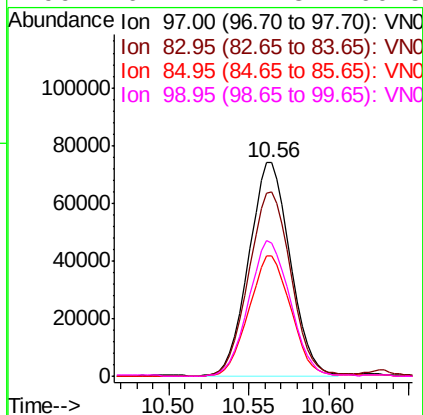
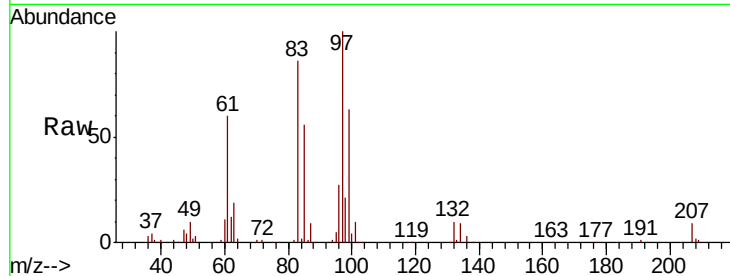




#50
 1,1,2-Trichloroethane
 Concen: 21.081 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

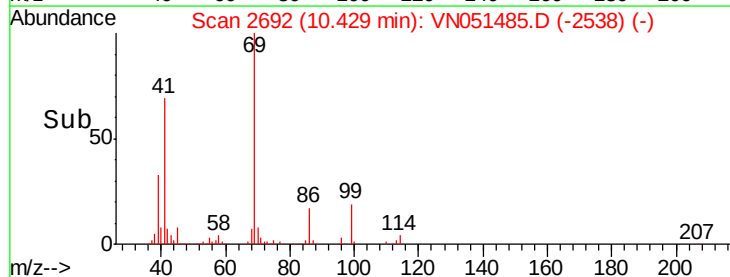
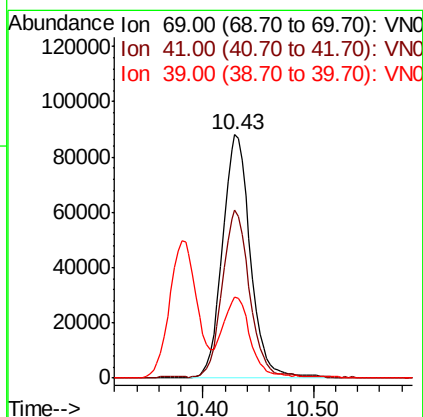
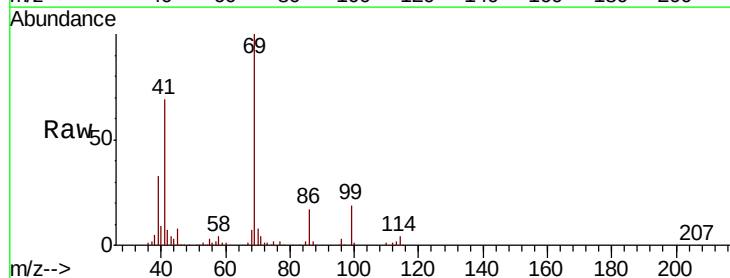
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

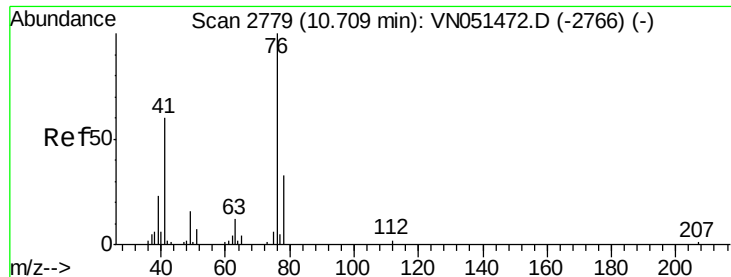
Tot Ion:	97	Resp:	130839
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.2	102.4
85	56.6	42.5	63.7
99	62.7	44.3	66.5



#51
 Ethyl methacrylate
 Concen: 21.093 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion:	69	Resp:	154942
Ion	Ratio	Lower	Upper
69	100		
41	68.8	34.4	103.1
39	32.6	16.3	48.8





#52

1,3-Dichloropropane

Concen: 21.349 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

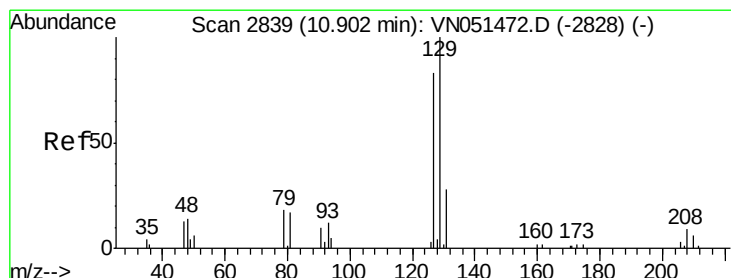
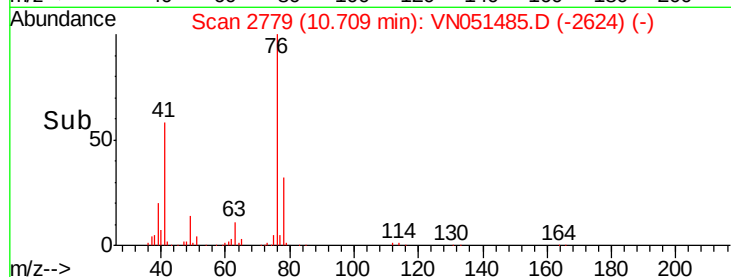
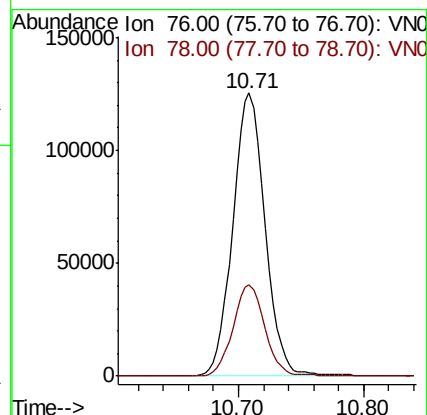
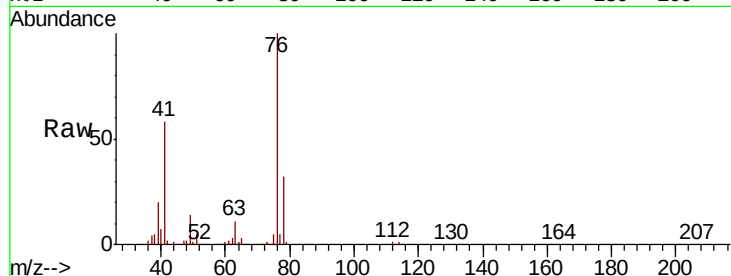
VN0925WBSD01

Tot Ion: 76 Resp: 223544

Ion Ratio Lower Upper

76 100

78 31.9 0.0 67.6



#53

Dibromochloromethane

Concen: 21.024 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051485.D

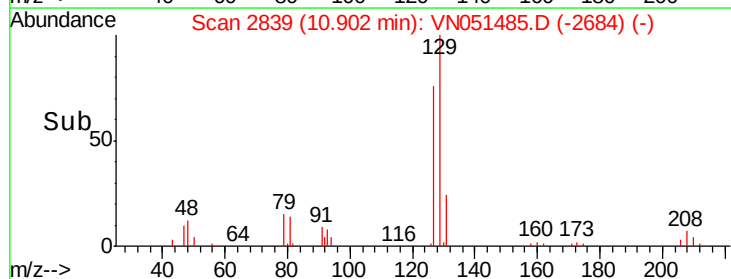
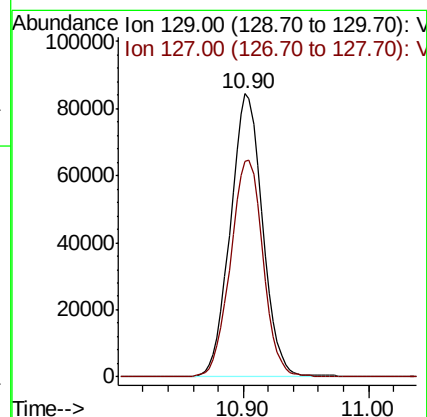
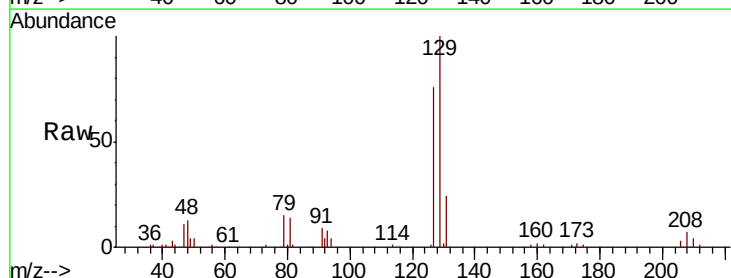
Acq: 25 Sep 2018 15:16

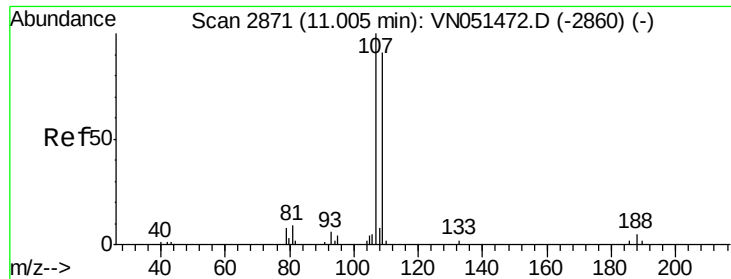
Tgt Ion: 129 Resp: 150098

Ion Ratio Lower Upper

129 100

127 77.6 40.2 120.5

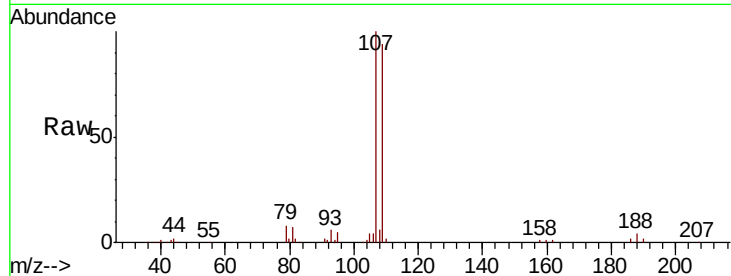




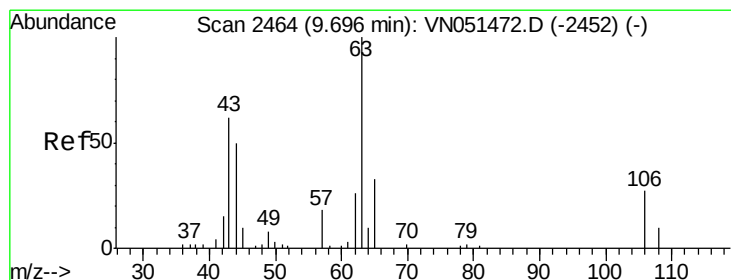
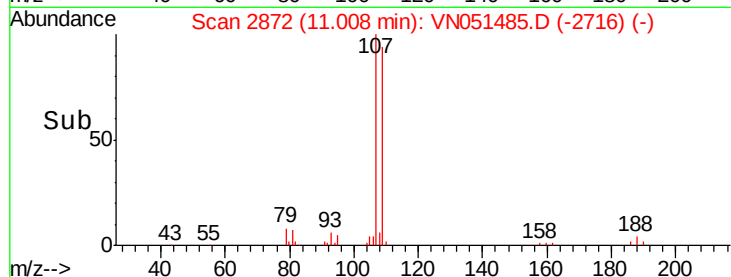
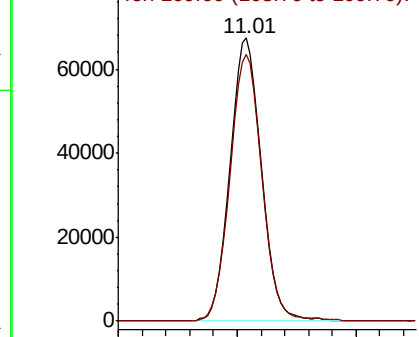
#54
 1,2-Dibromoethane
 Concen: 20.585 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion:107 Resp: 123274
 Ion Ratio Lower Upper
 107 100
 109 95.2 77.4 116.0

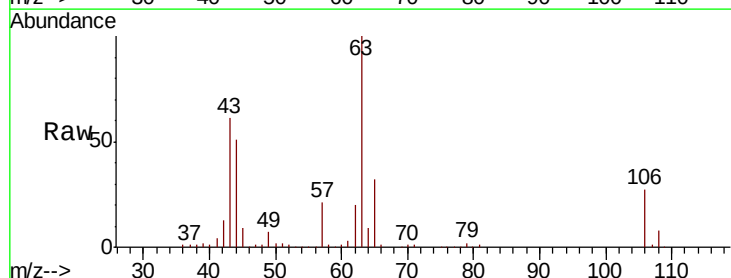


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

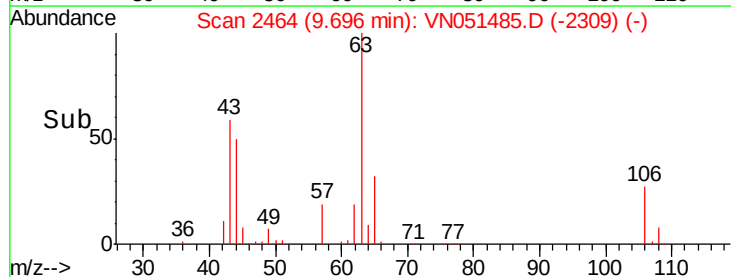
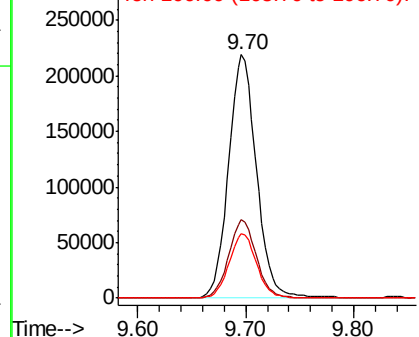


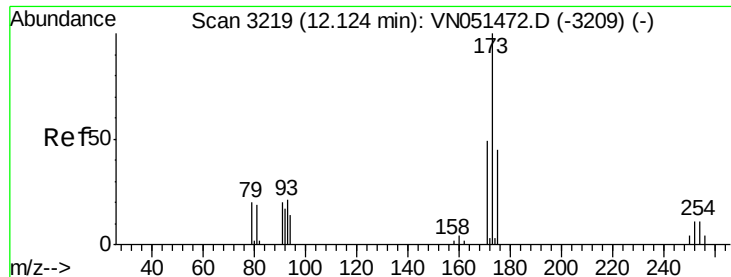
#55
 2-Chloroethyl vinyl ether
 Concen: 108.775 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 63 Resp: 394546
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.0
 106 26.0 21.2 31.8



Abundance Ion 63.00 (62.70 to 63.70): VNO
 Ion 65.00 (64.70 to 65.70): VNO
 Ion 106.00 (105.70 to 106.70): V





#56

Bromoform

Concen: 20.258 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

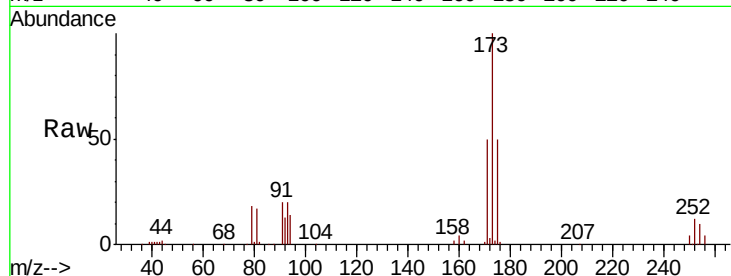
Tot Ion:173 Resp: 97507

Ion Ratio Lower Upper

173 100

175 51.5 35.8 53.8

254 11.2 8.6 13.0

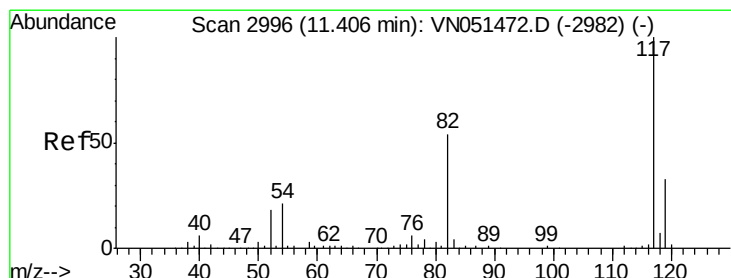
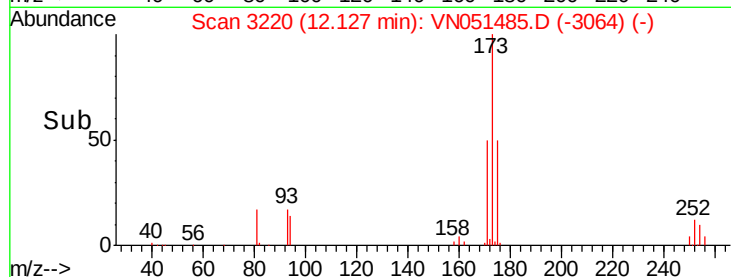
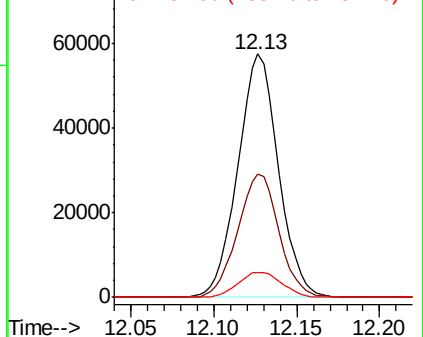


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

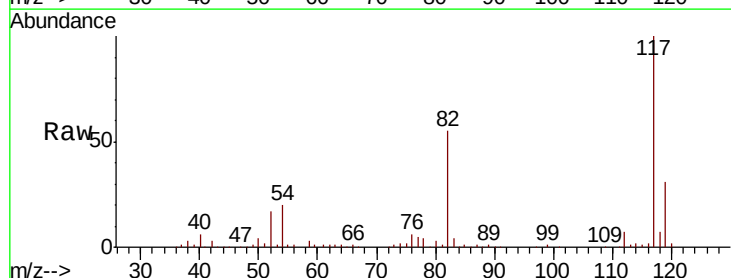
Tgt Ion:117 Resp: 573894

Ion Ratio Lower Upper

117 100

82 55.8 44.1 66.1

119 31.6 25.8 38.8

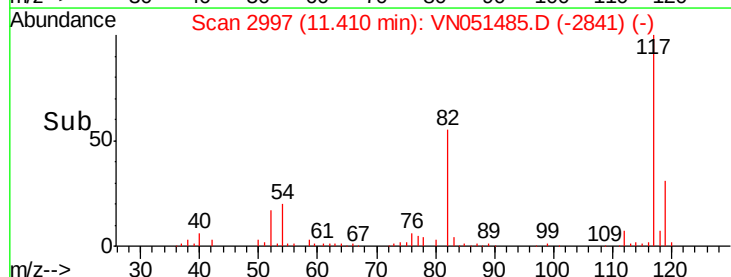
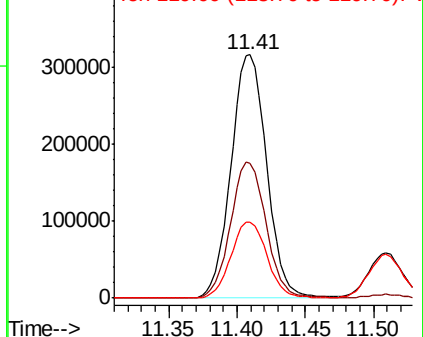


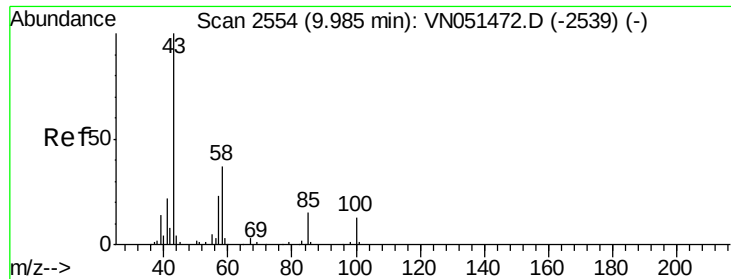
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

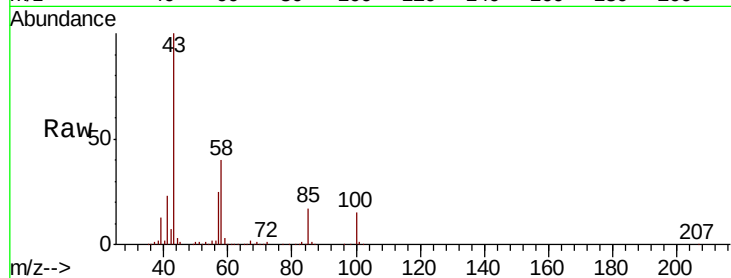




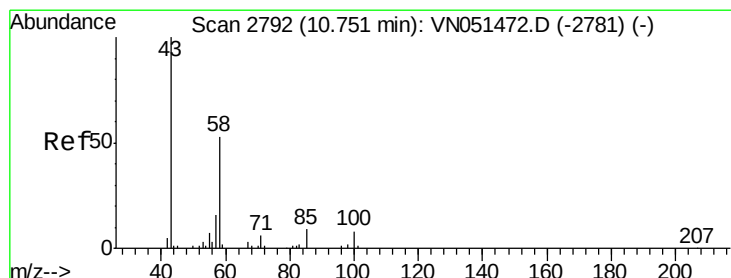
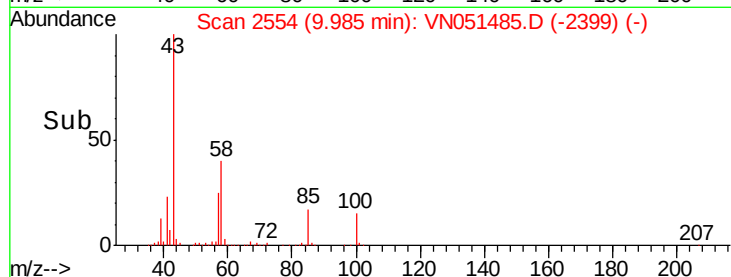
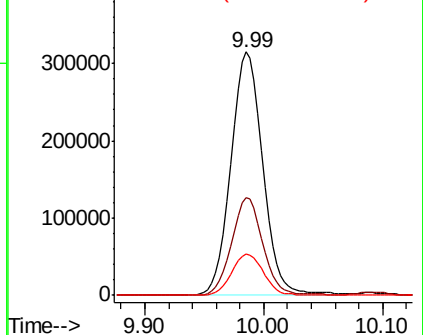
#58
 4-Methyl-2-Pentanone
 Concen: 115.841 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	29.3	43.9
85	17.2	12.6	18.8

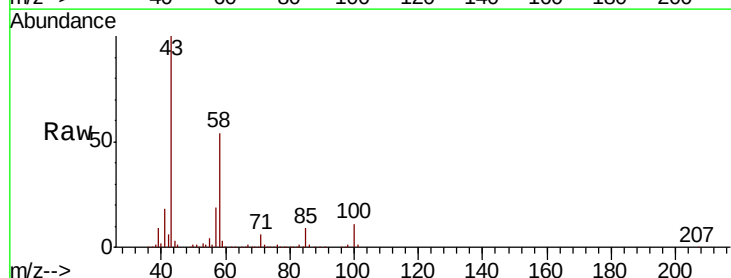


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

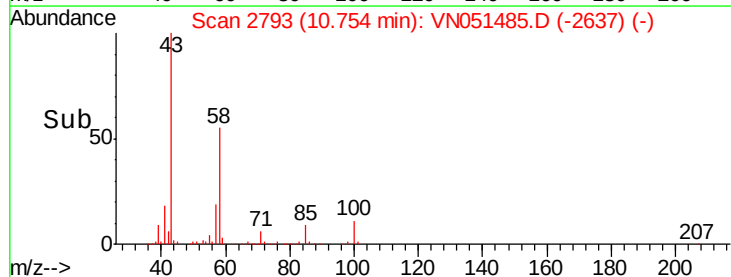
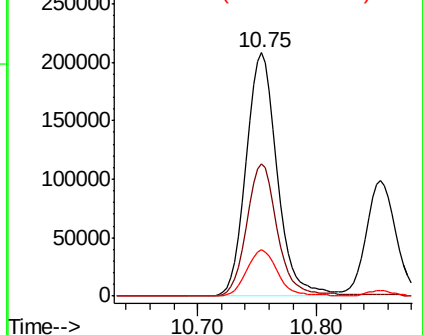


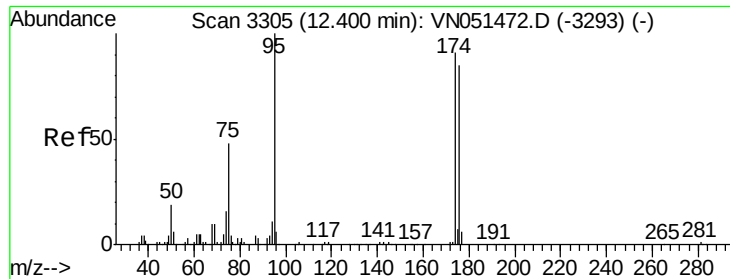
#59
 2-Hexanone
 Concen: 113.217 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.1	41.3	61.9
57	19.1	13.4	20.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0

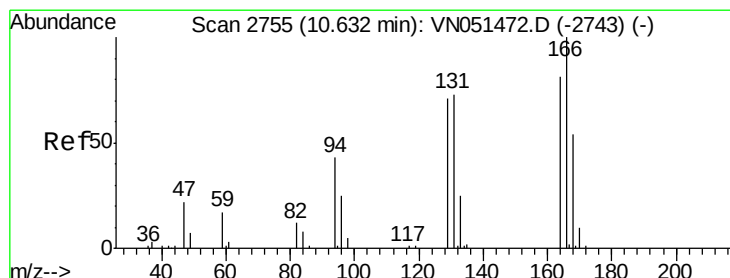
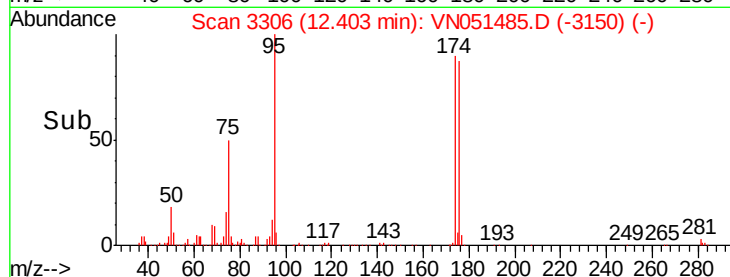
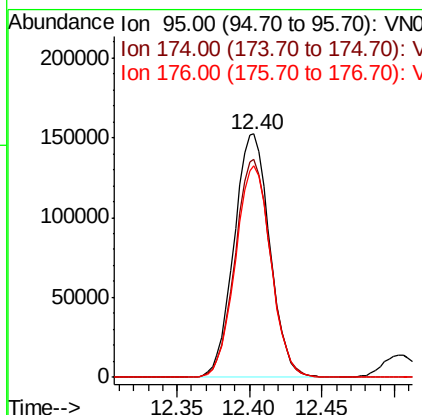
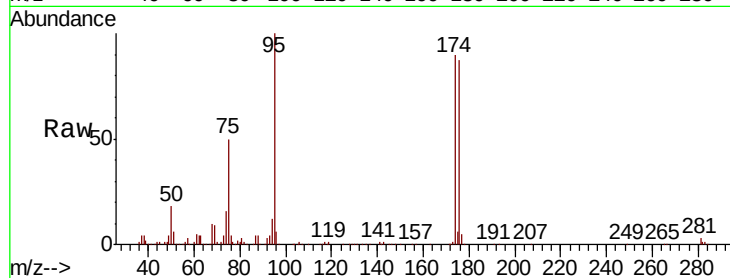




#60
4-Bromofluorobenzene
Concen: 30.933 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

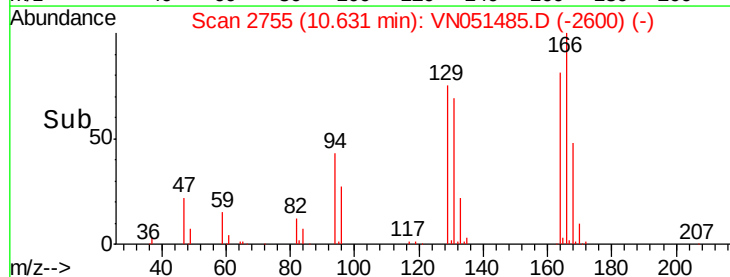
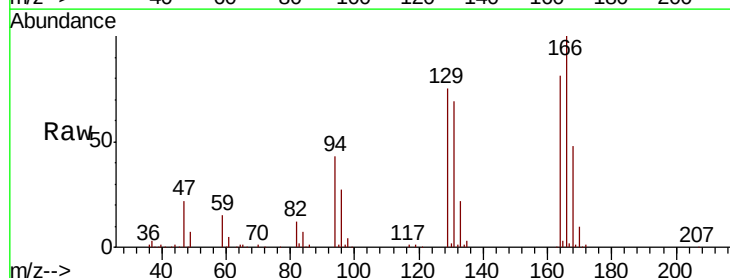
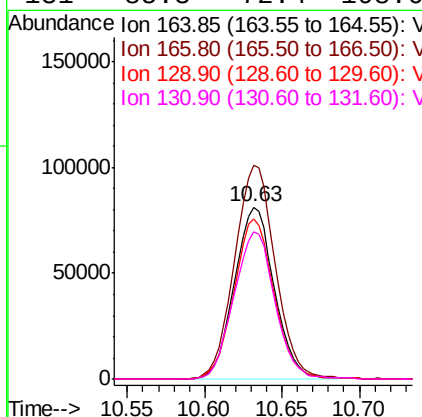
Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

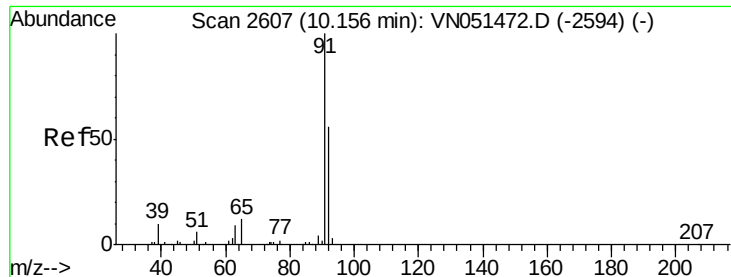
Tot Ion: 95 Resp: 260629
Ion Ratio Lower Upper
95 100
174 89.5 73.5 110.3
176 86.6 70.2 105.2



#61
Tetrachloroethene
Concen: 21.775 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion: 164 Resp: 145384
Ion Ratio Lower Upper
164 100
166 124.2 98.7 148.1
129 93.2 69.6 104.4
131 85.3 72.4 108.6





#62

Toluene

Concen: 21.691 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

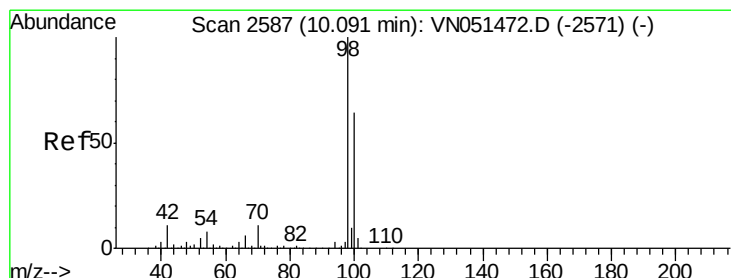
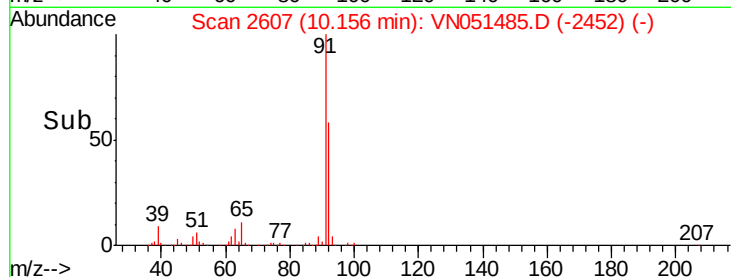
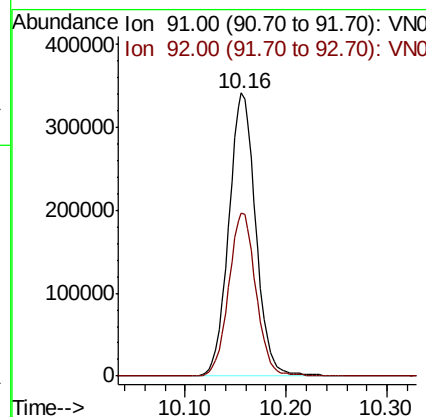
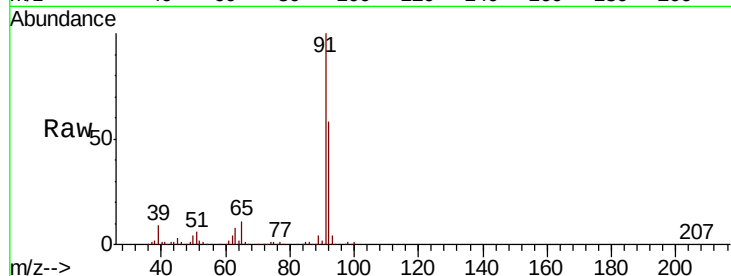
VN0925WBSD01

Tot Ion: 91 Resp: 637265

Ion Ratio Lower Upper

91 100

92 58.3 44.6 66.8



#63

Toluene-d8

Concen: 30.653 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051485.D

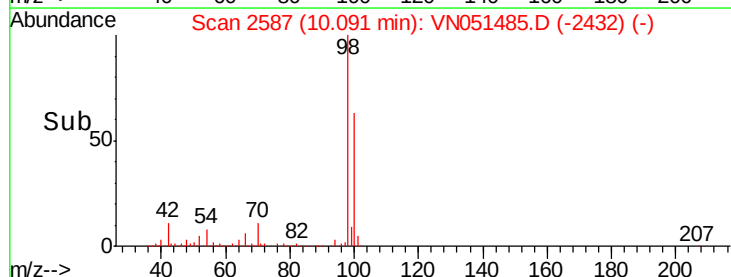
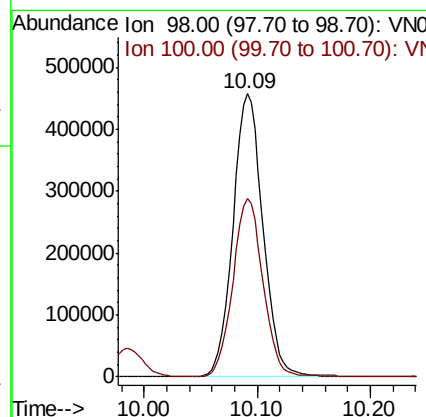
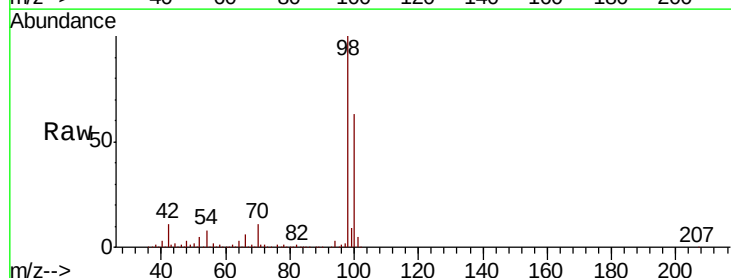
Acq: 25 Sep 2018 15:16

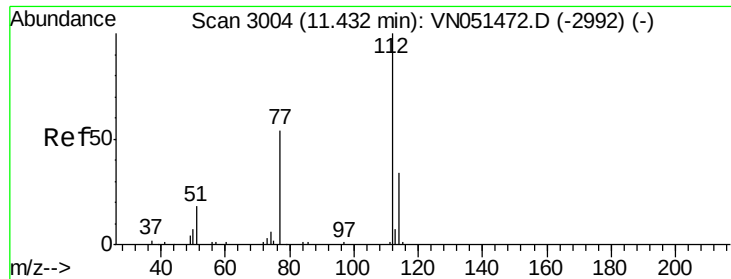
Tgt Ion: 98 Resp: 843452

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2





#64

Chlorobenzene

Concen: 21.663 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

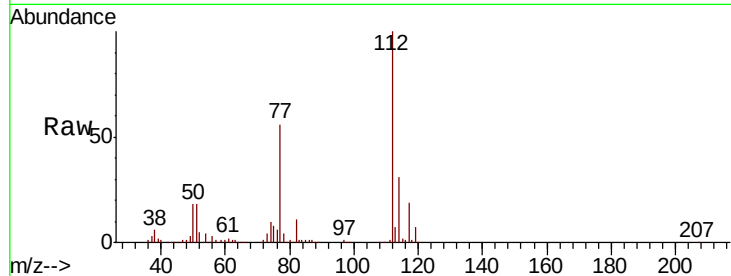
VN0925WBSD01

Tot Ion:112 Resp: 390217

Ion Ratio Lower Upper

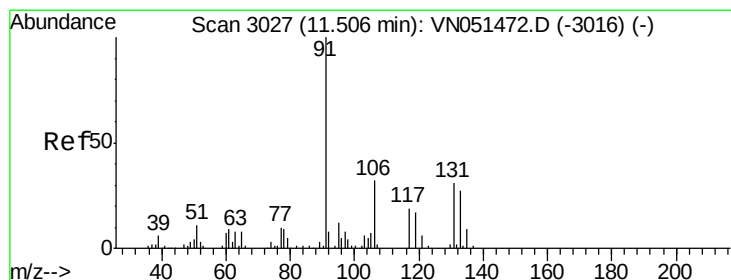
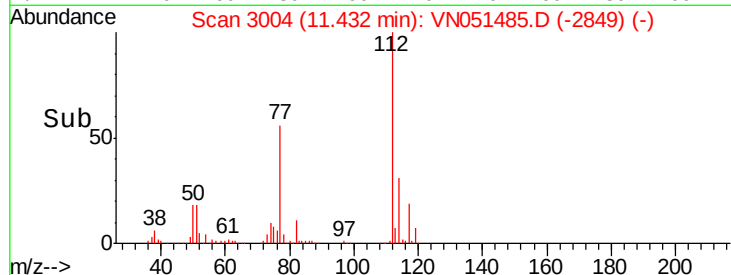
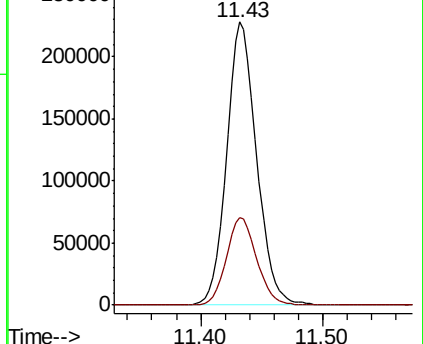
112 100

114 31.0 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#65

1,1,1,2-Tetrachloroethane

Concen: 21.806 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

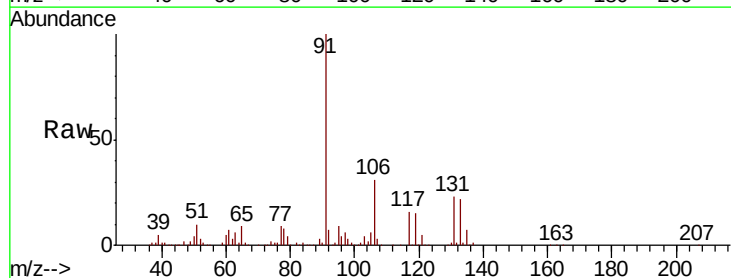
Tgt Ion:131 Resp: 151858

Ion Ratio Lower Upper

131 100

133 95.3 0.0 190.4

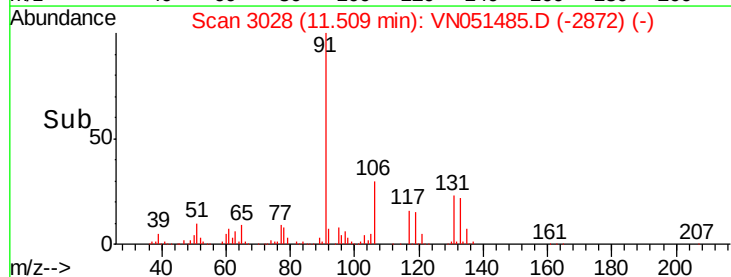
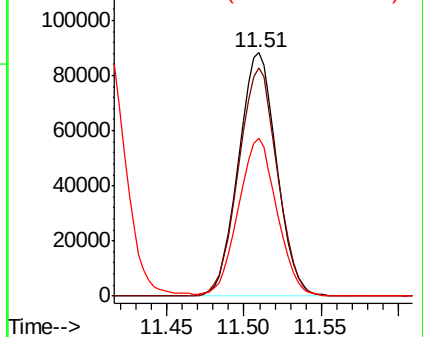
119 65.2 0.0 128.0

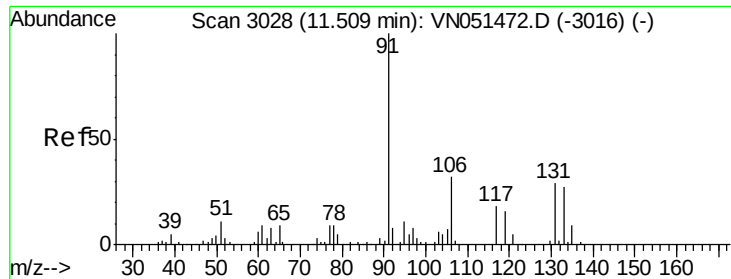


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#66

Ethyl Benzene

Concen: 21.368 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

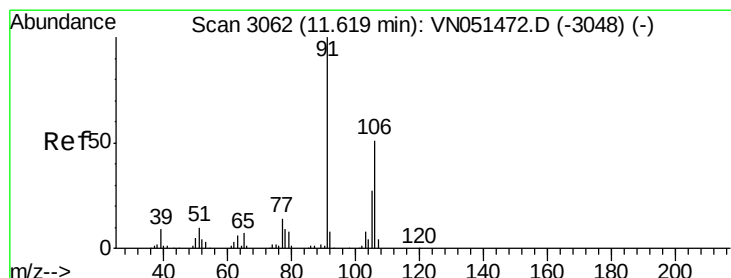
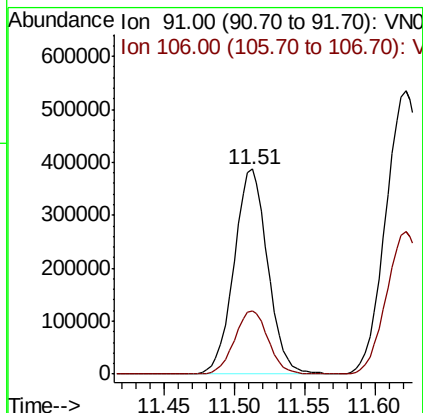
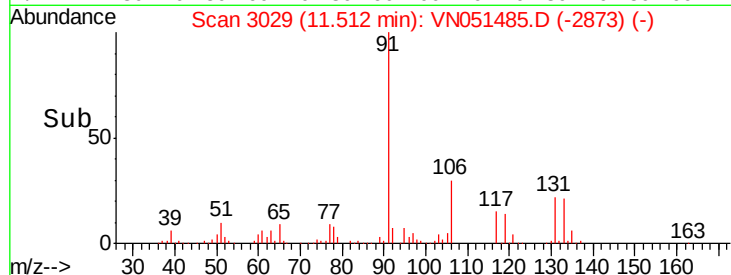
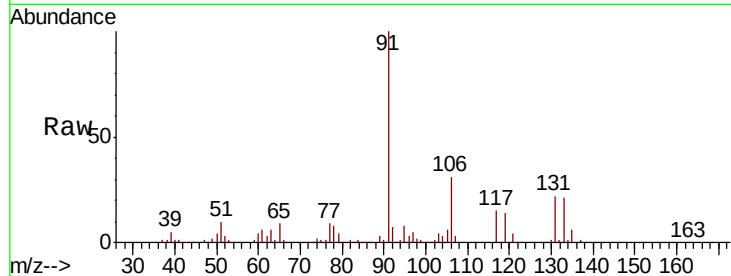
VN0925WBSD01

Tot Ion: 91 Resp: 647652

Ion Ratio Lower Upper

91 100

106 31.0 25.9 38.9



#67

m/p-Xylenes

Concen: 44.007 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051485.D

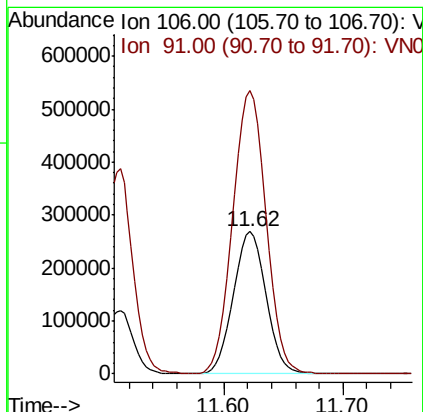
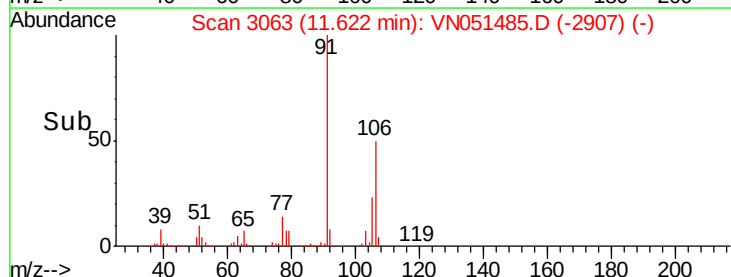
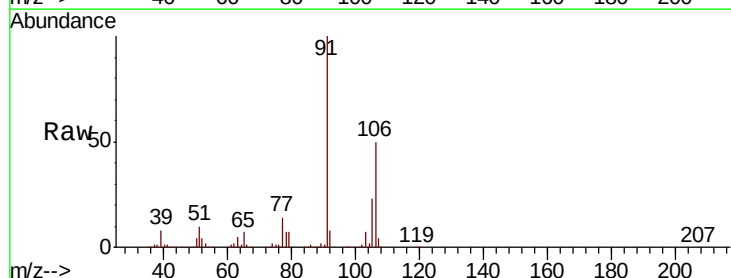
Acq: 25 Sep 2018 15:16

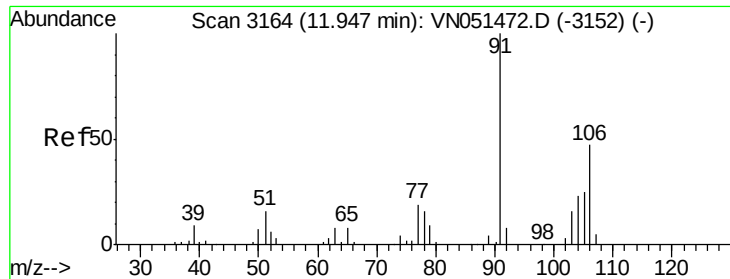
Tgt Ion: 106 Resp: 513477

Ion Ratio Lower Upper

106 100

91 202.0 158.8 238.2

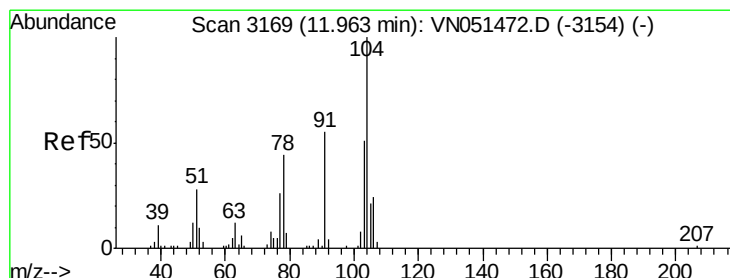
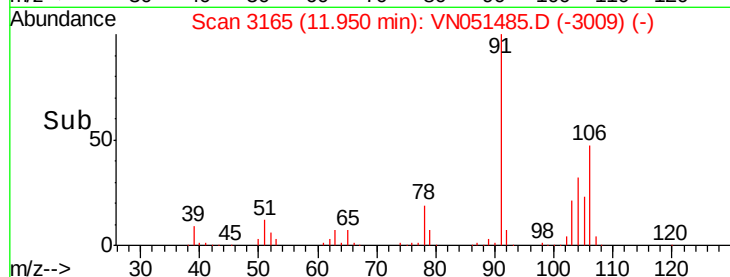
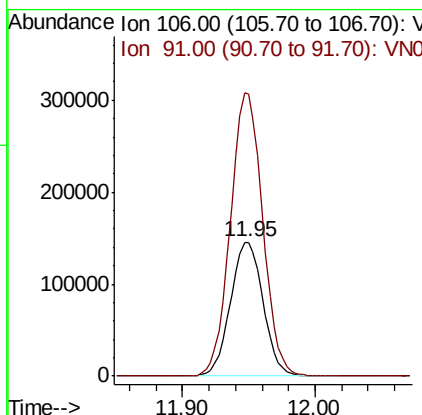
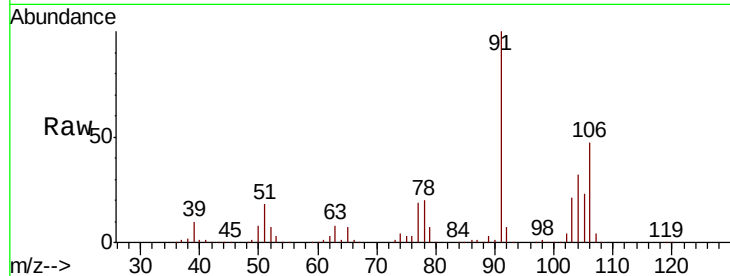




#68
o-Xylene
Concen: 22.339 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

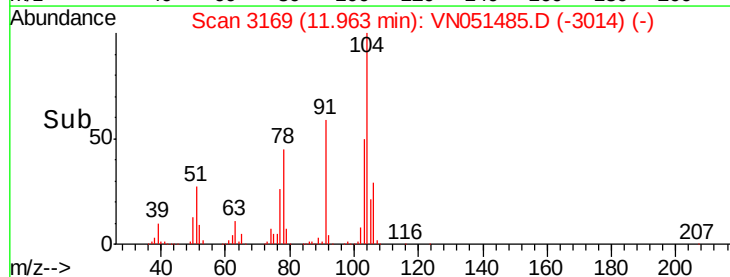
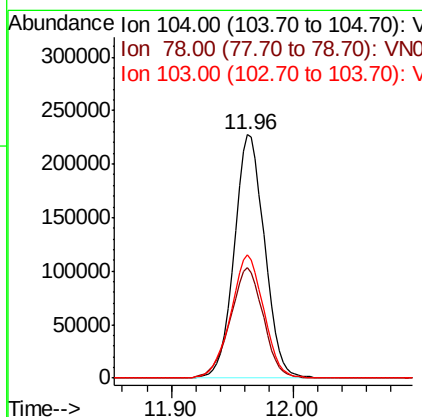
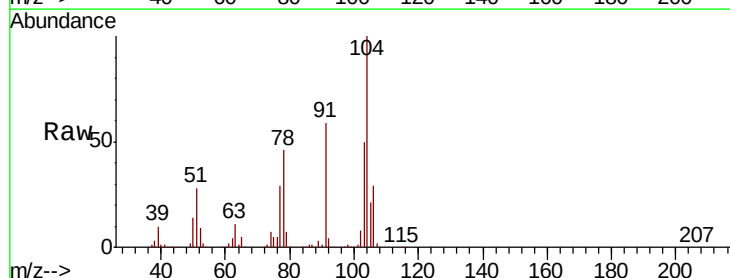
Instrument :
MSVOA_N
ClientSampled :
VN0925WBSD01

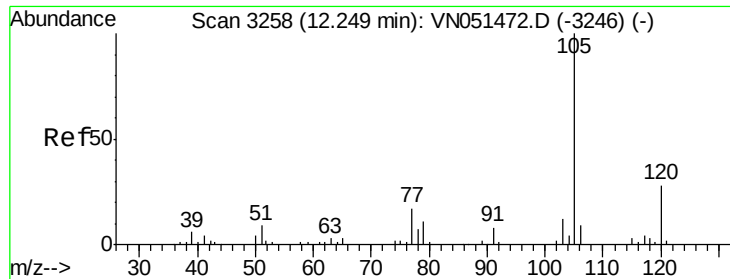
Tot Ion:106 Resp: 248256
Ion Ratio Lower Upper
106 100
91 209.9 111.1 333.3



#69
Styrene
Concen: 22.268 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051485.D
Acq: 25 Sep 2018 15:16

Tgt Ion:104 Resp: 390904
Ion Ratio Lower Upper
104 100
78 49.7 40.6 60.8
103 55.0 44.0 66.0





#70

Isopropylbenzene

Concen: 21.978 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

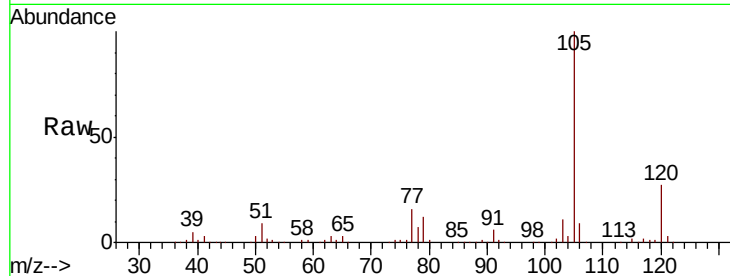
VN0925WBSD01

Tot Ion:105 Resp: 653673

Ion Ratio Lower Upper

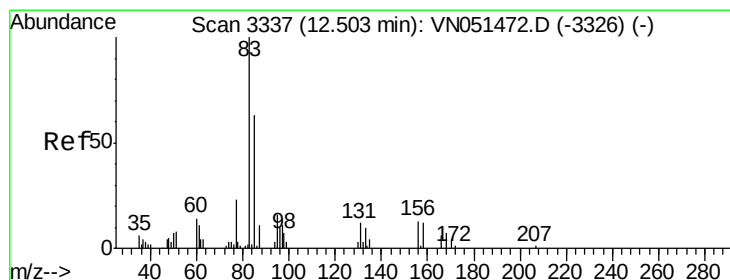
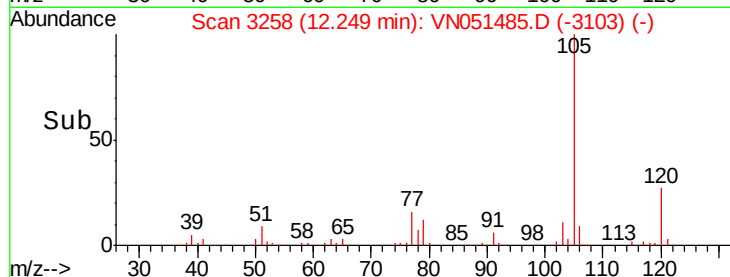
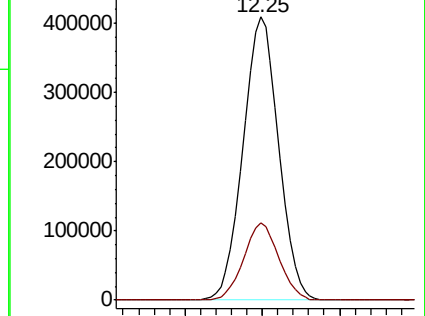
105 100

120 27.0 19.0 35.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 22.450 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

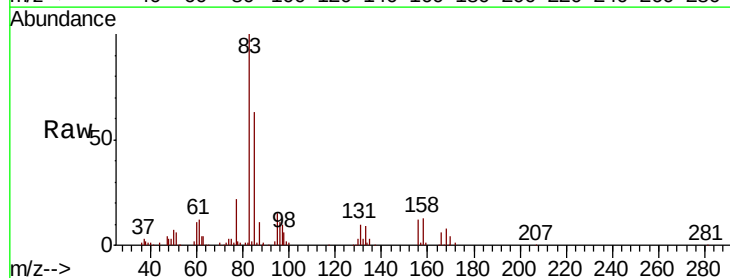
Tgt Ion: 83 Resp: 157177

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

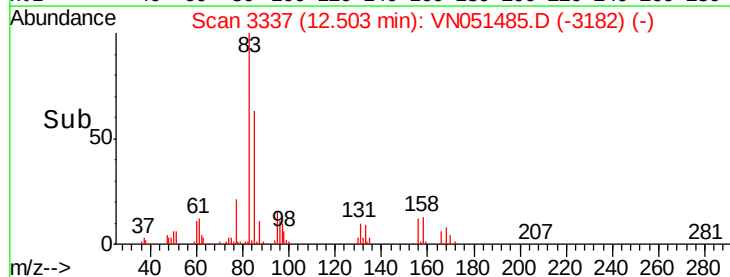
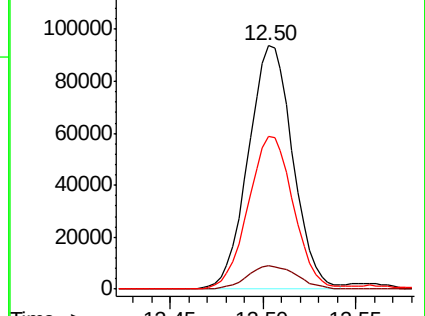
85 63.8 30.6 91.8

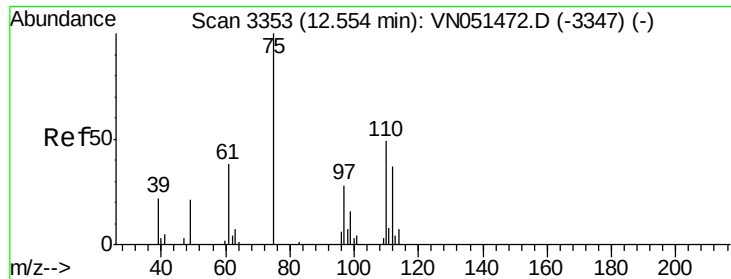


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0





#72

1,2,3-Trichloropropane

Concen: 34.400 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

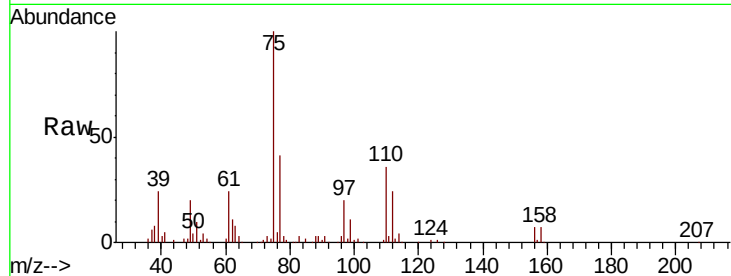
VN0925WBSD01

Tot Ion: 75 Resp: 189923

Ion Ratio Lower Upper

75 100

77 159.4 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051472.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051472.D (-3347) (-)

150000

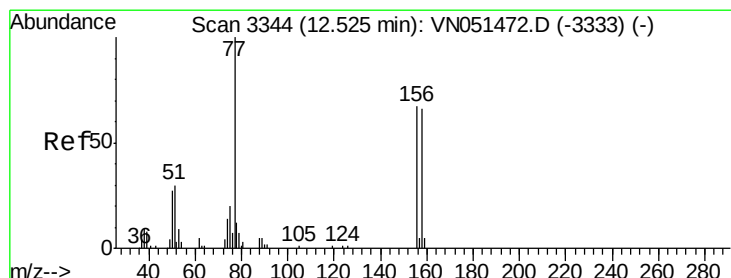
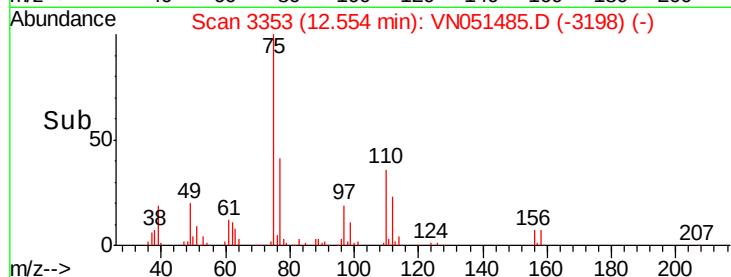
100000

50000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 21.187 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

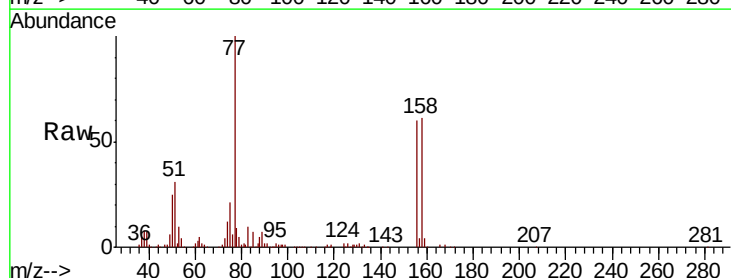
Tgt Ion: 156 Resp: 158811

Ion Ratio Lower Upper

156 100

77 190.6 0.0 377.4

158 99.2 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): VN051472.D (-3333) (-)

Ion 77.00 (76.70 to 77.70): VN051472.D (-3333) (-)

Ion 158.00 (157.70 to 158.70): VN051472.D (-3333) (-)

200000

150000

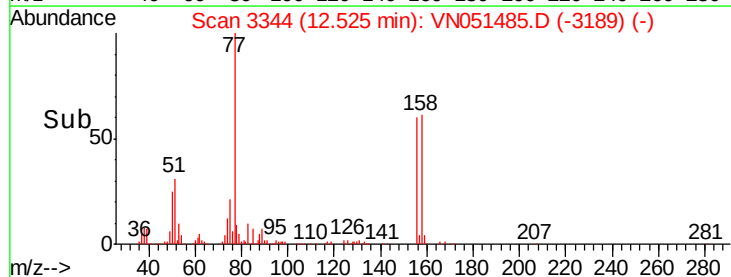
100000

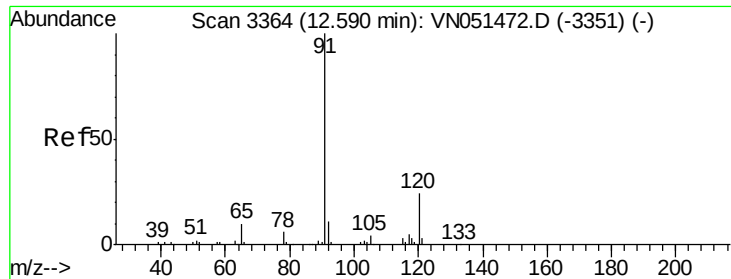
50000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 21.538 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

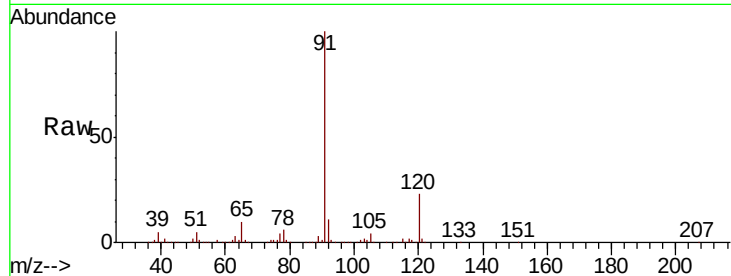
VN0925WBSD01

Tot Ion: 91 Resp: 744706

Ion Ratio Lower Upper

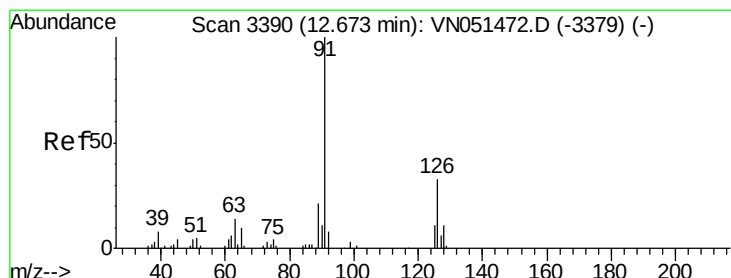
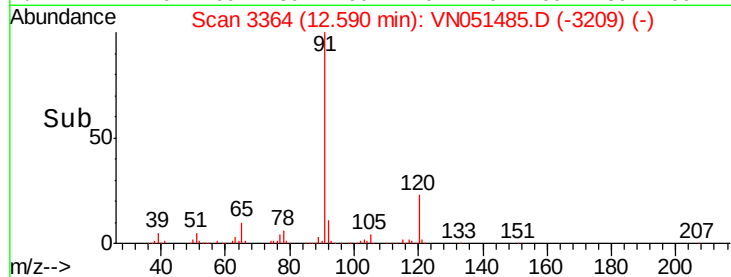
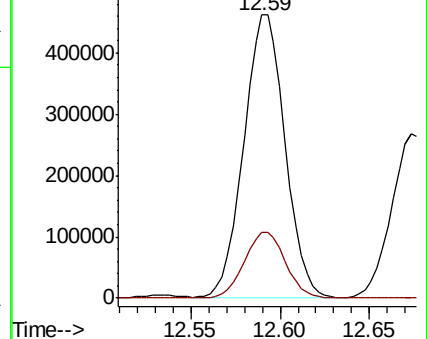
91 100

120 23.2 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 21.925 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051485.D

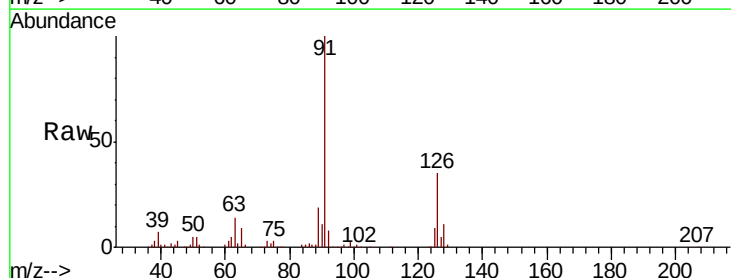
Acq: 25 Sep 2018 15:16

Tgt Ion: 91 Resp: 447392

Ion Ratio Lower Upper

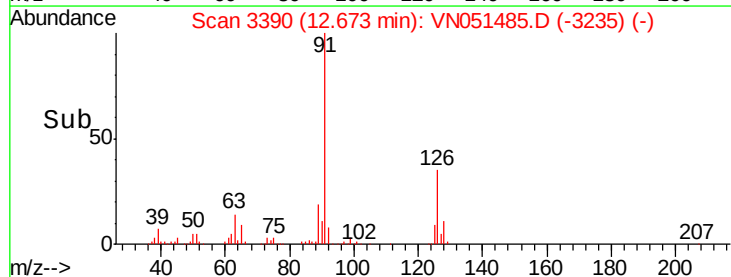
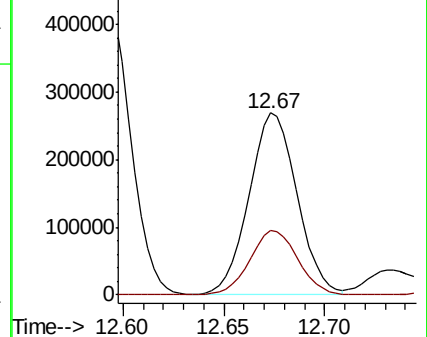
91 100

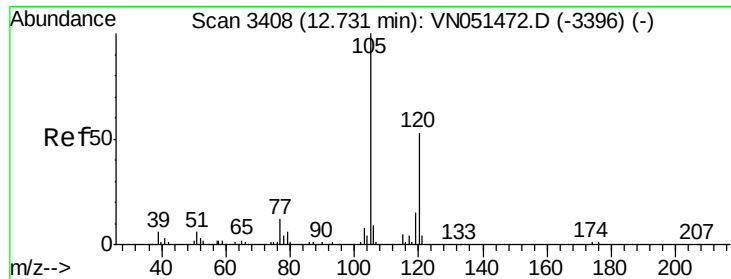
126 35.6 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

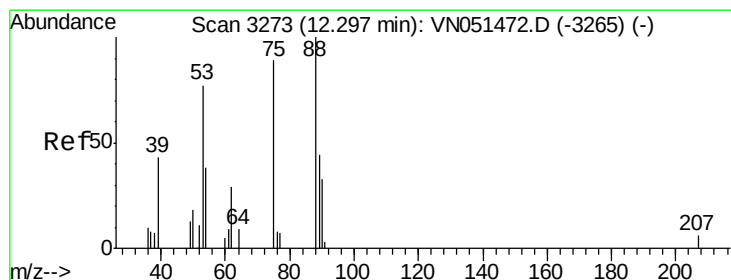
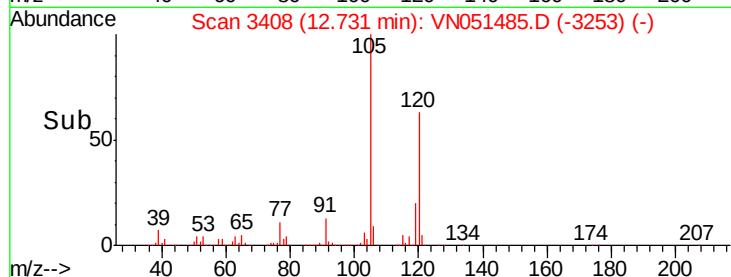
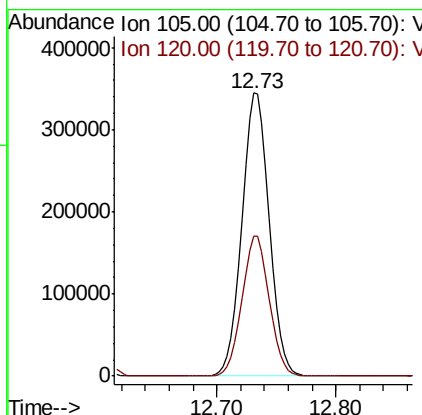
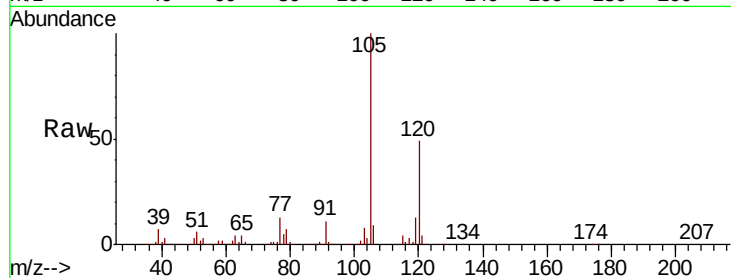




#76
 1,3,5-Trimethylbenzene
 Concen: 22.293 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

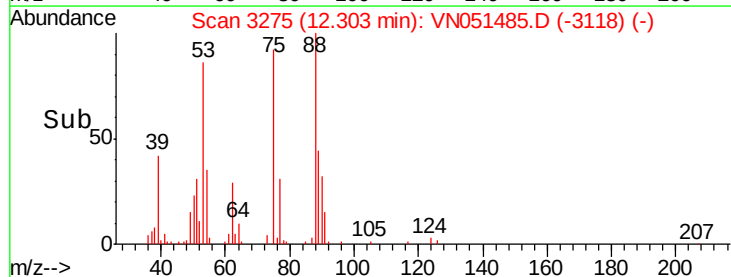
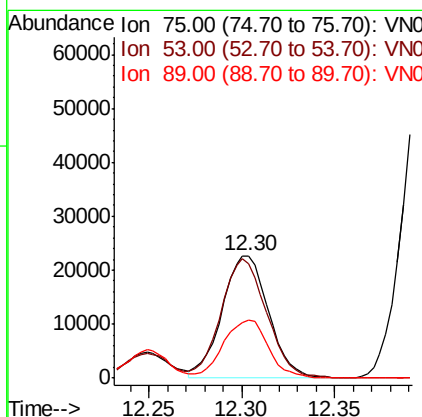
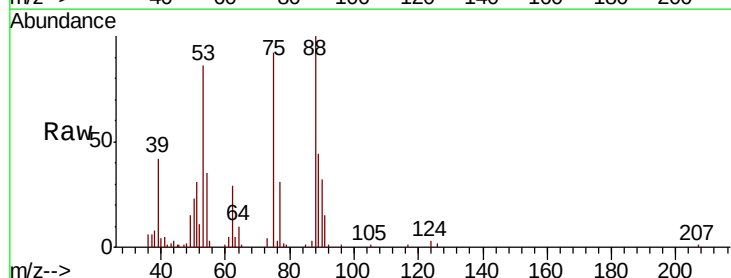
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

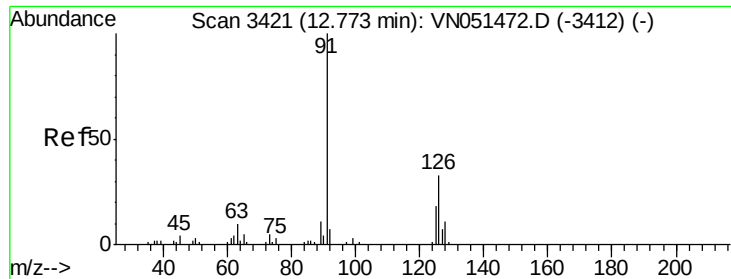
Tot Ion:105 Resp: 547104
 Ion Ratio Lower Upper
 105 100
 120 49.4 0.0 98.2



#77
 t-1,4-Dichloro-2-butene
 Concen: 20.753 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.01 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion: 75 Resp: 39513
 Ion Ratio Lower Upper
 75 100
 53 93.2 46.3 138.9
 89 48.0 24.6 73.8





#78

4-Chlorotoluene

Concen: 21.454 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampled :

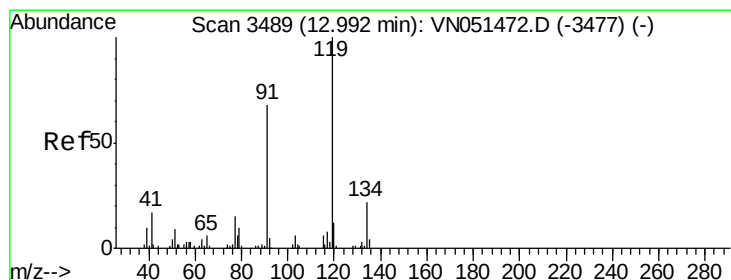
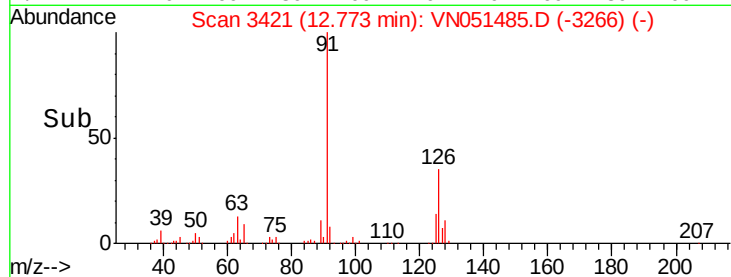
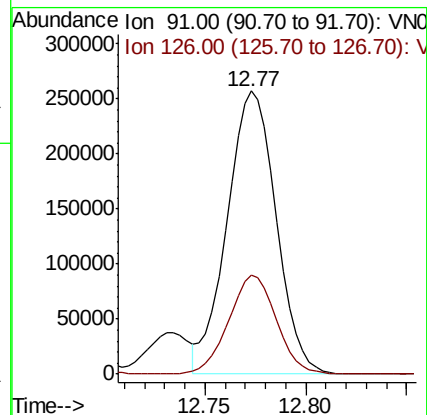
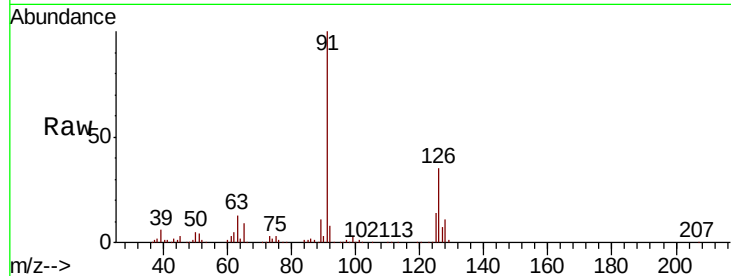
VN0925WBSD01

Tot Ion: 91 Resp: 434193

Ion Ratio Lower Upper

91 100

126 34.4 0.0 65.2



#79

tert-butylbenzene

Concen: 21.897 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

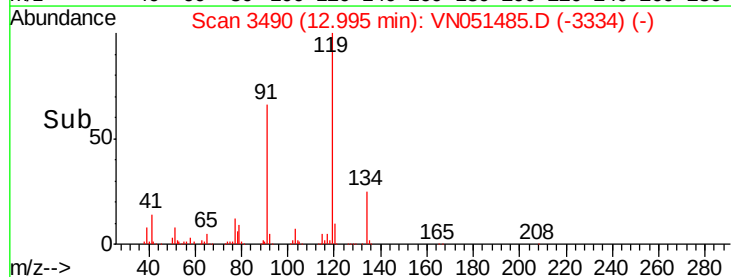
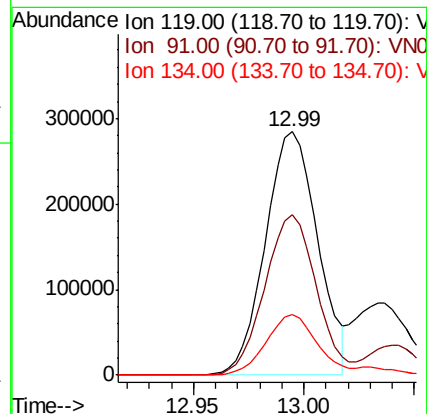
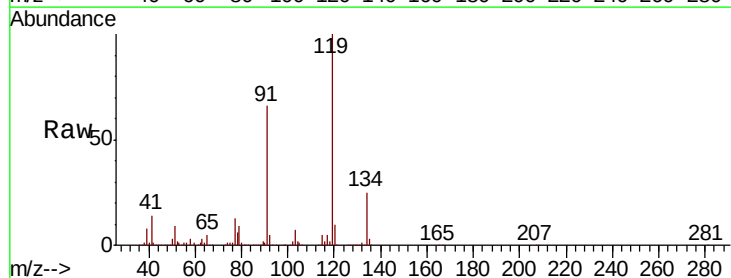
Tgt Ion: 119 Resp: 467877

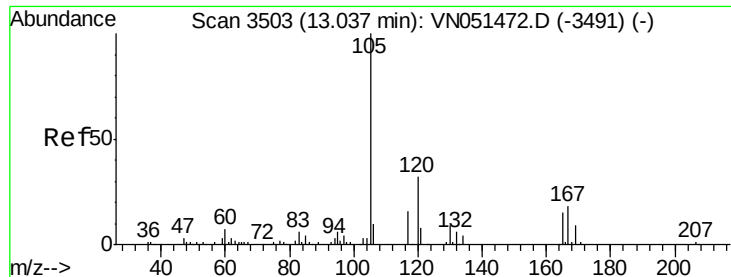
Ion Ratio Lower Upper

119 100

91 65.2 0.0 131.6

134 24.5 0.0 46.2

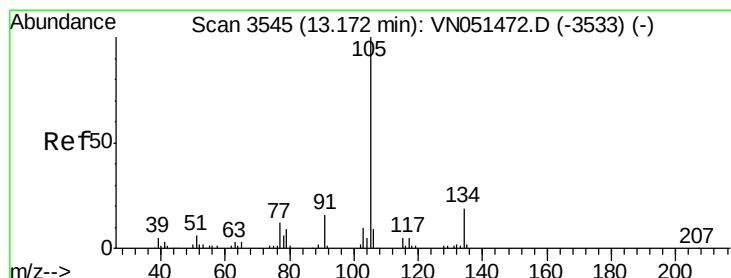
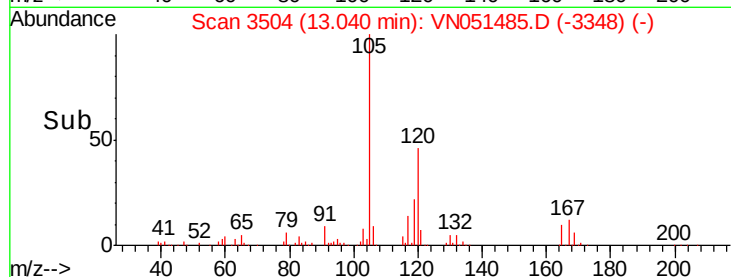
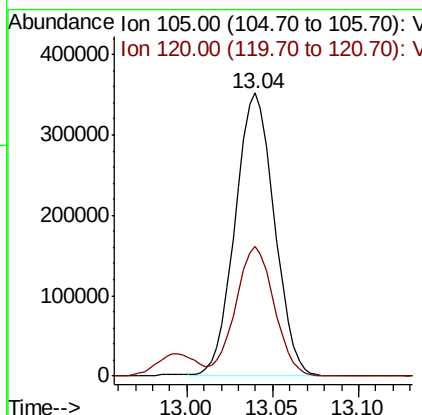
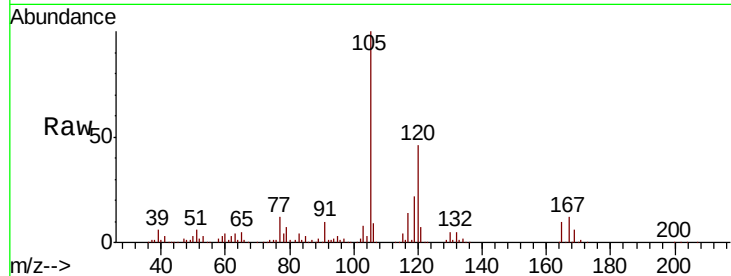




#80
 1,2,4-Trimethylbenzene
 Concen: 22.568 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

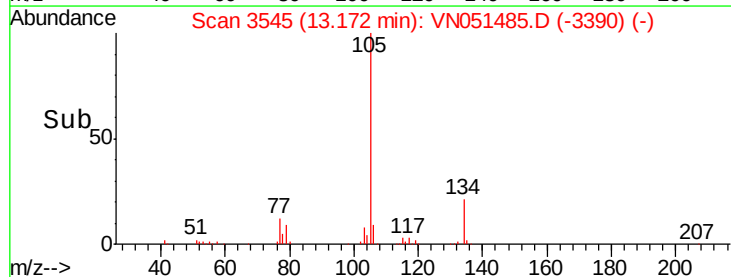
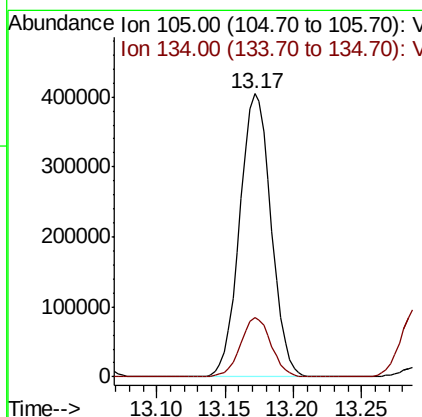
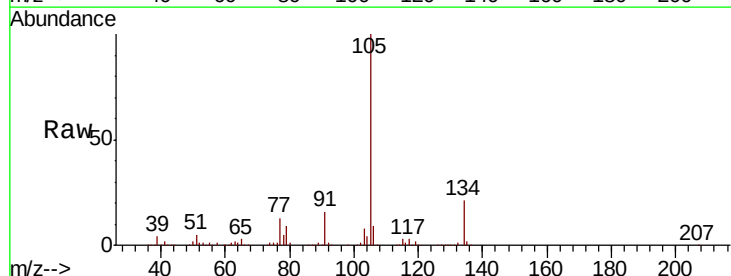
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

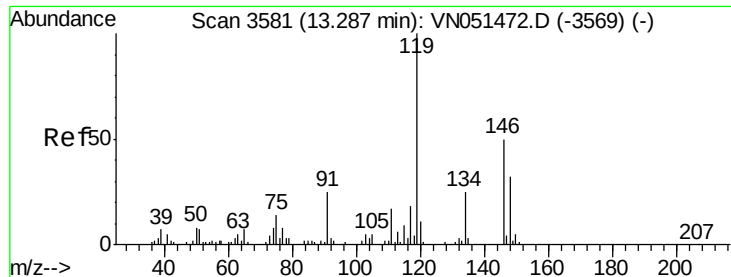
Tot Ion:105 Resp: 556771
 Ion Ratio Lower Upper
 105 100
 120 45.3 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 21.963 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion:105 Resp: 645541
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 39.4

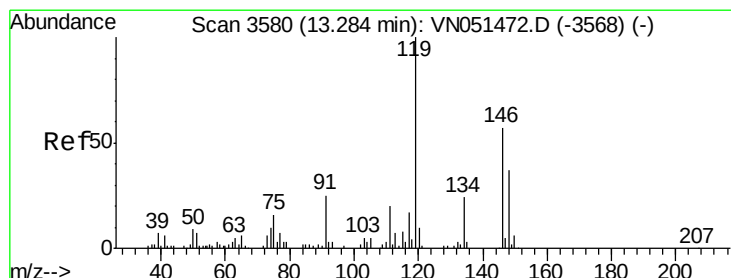
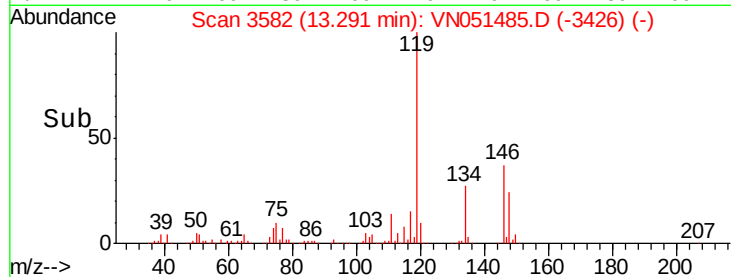
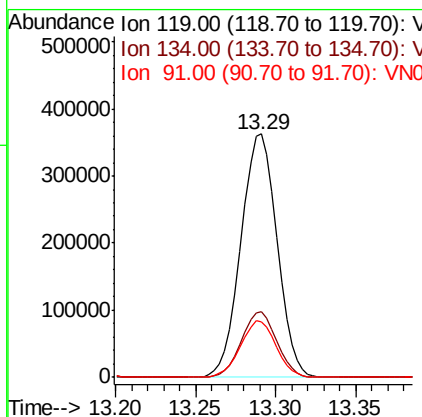
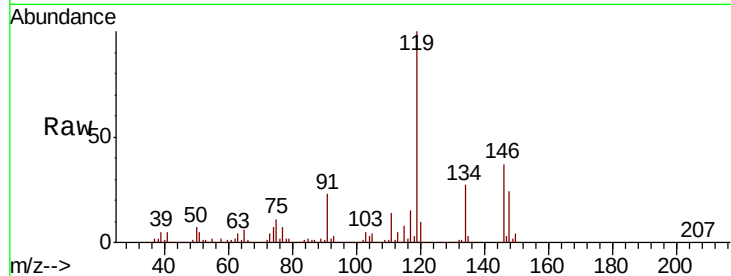




#82
 p-Isopropyltoluene
 Concen: 22.029 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

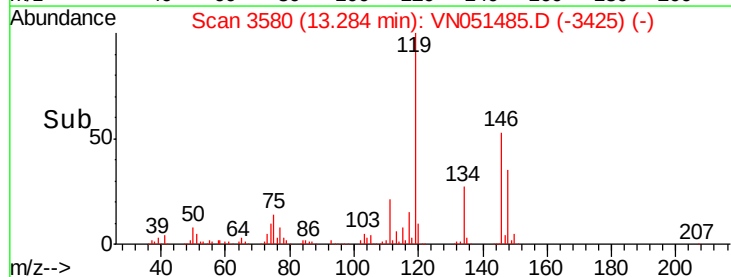
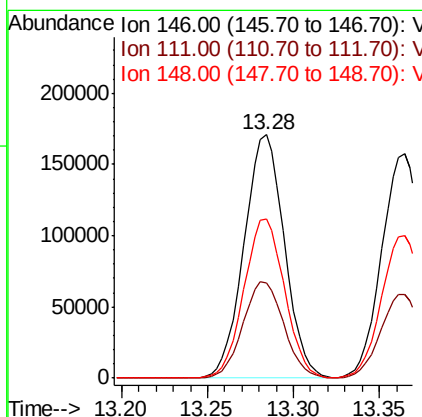
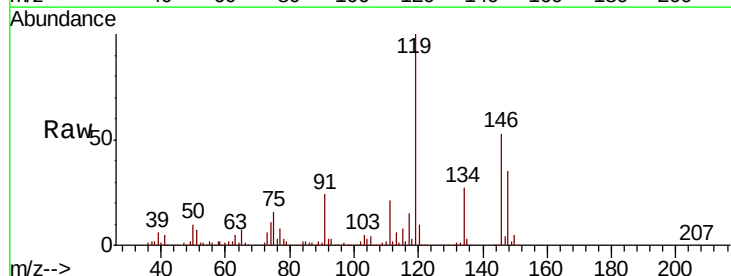
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

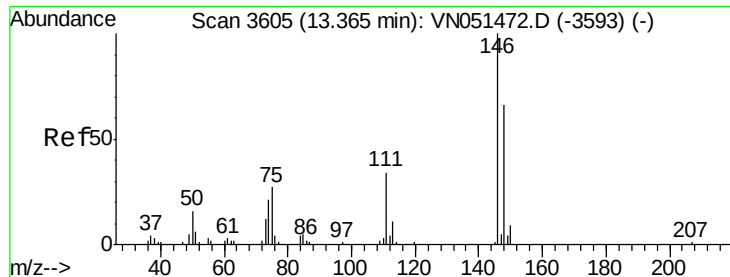
Tot Ion:119 Resp: 558941
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.6
 91 23.0 0.0 52.0



#83
 1,3-Dichlorobenzene
 Concen: 21.166 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Tgt Ion:146 Resp: 278272
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.1 54.3
 148 65.8 31.3 93.8





#84

1,4-Dichlorobenzene

Concen: 21.347 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

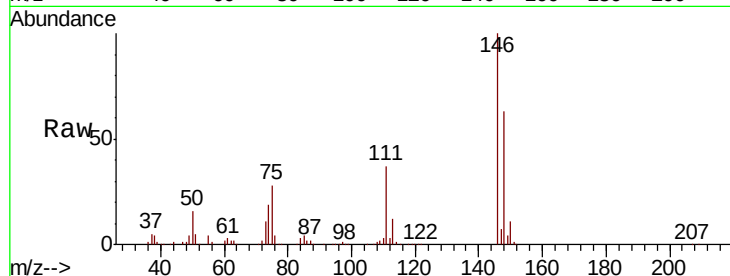
Tot Ion:146 Resp: 263594

Ion Ratio Lower Upper

146 100

111 37.8 17.4 52.2

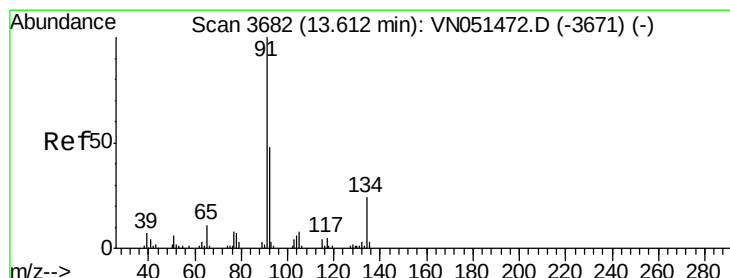
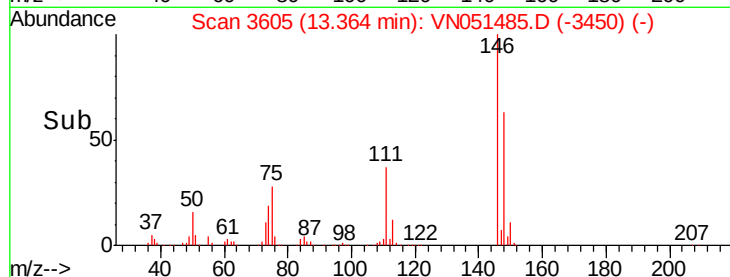
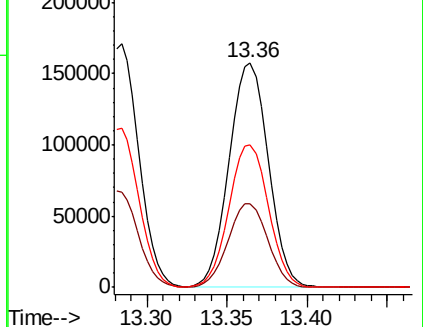
148 64.2 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 20.541 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

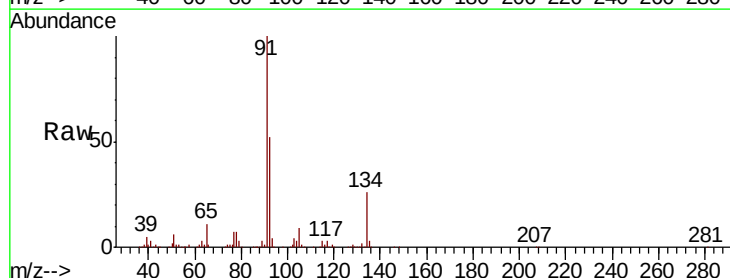
Tgt Ion: 91 Resp: 427919

Ion Ratio Lower Upper

91 100

92 51.7 0.0 97.4

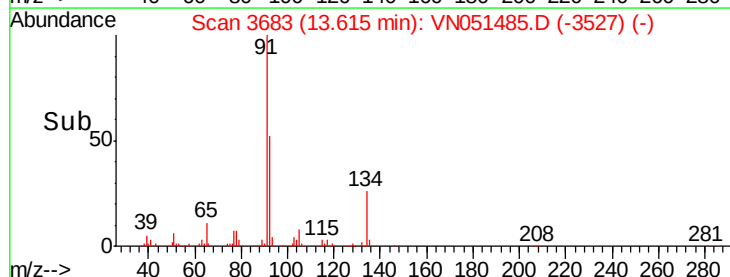
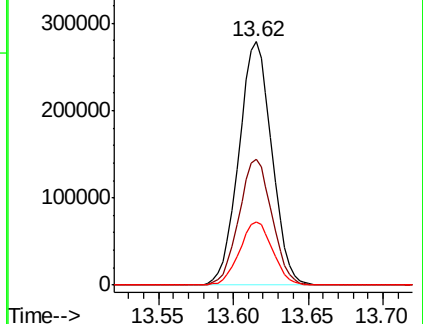
134 25.9 0.0 49.6

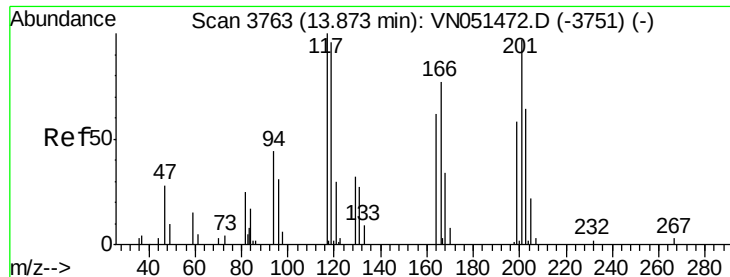


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 21.329 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

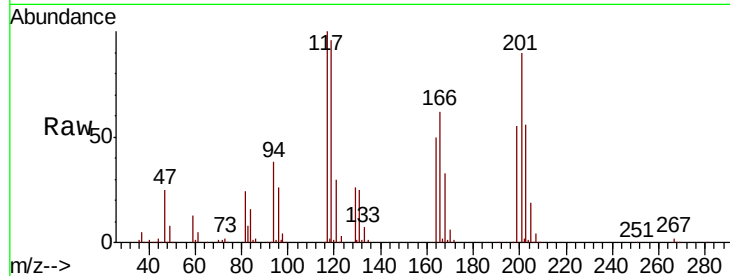
VN0925WBSD01

Tot Ion:117 Resp: 108448

Ion Ratio Lower Upper

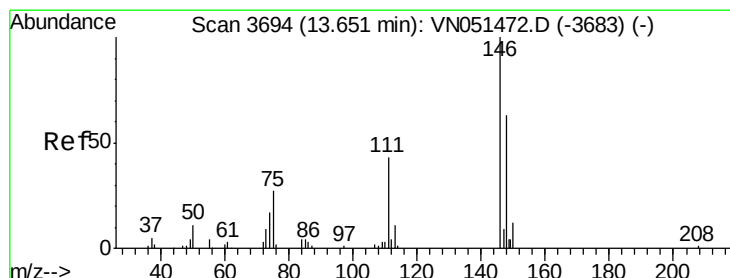
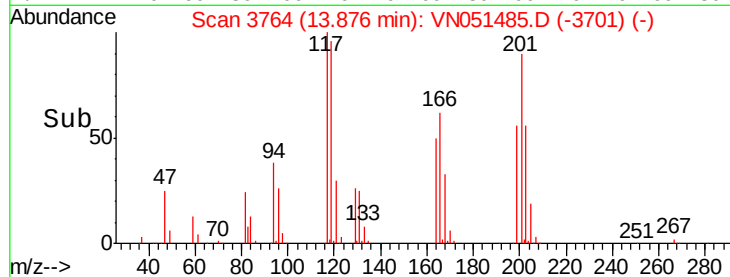
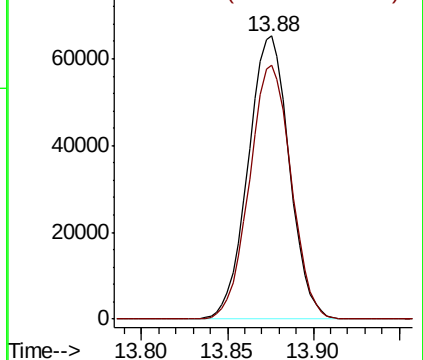
117 100

201 90.7 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 22.168 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

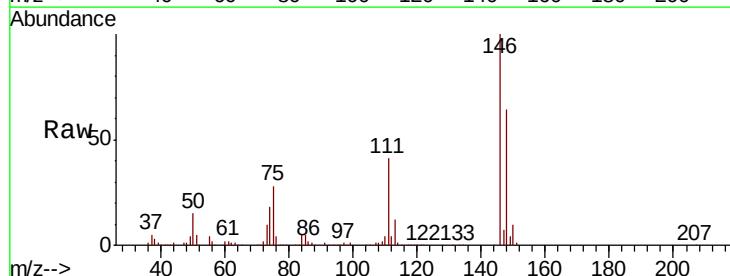
Tgt Ion:146 Resp: 276287

Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.2

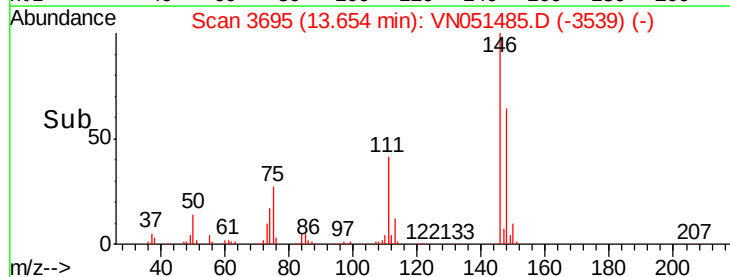
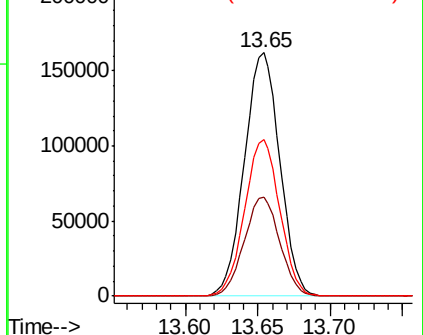
148 63.6 33.2 99.6

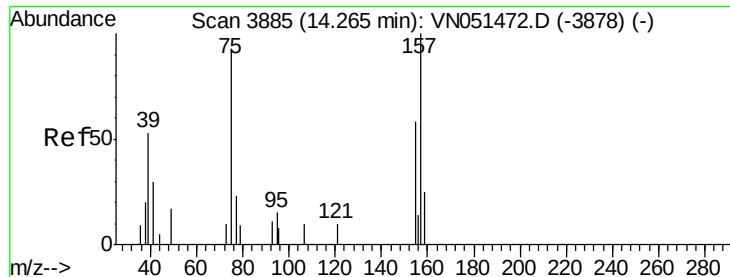


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 22.189 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

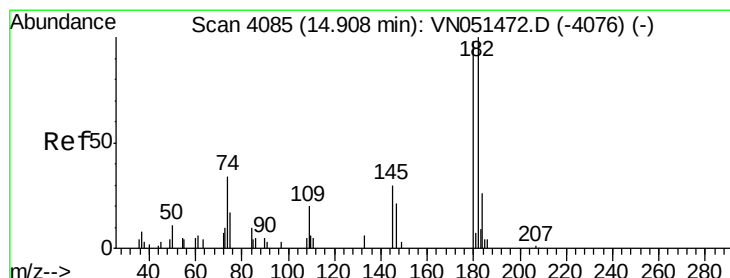
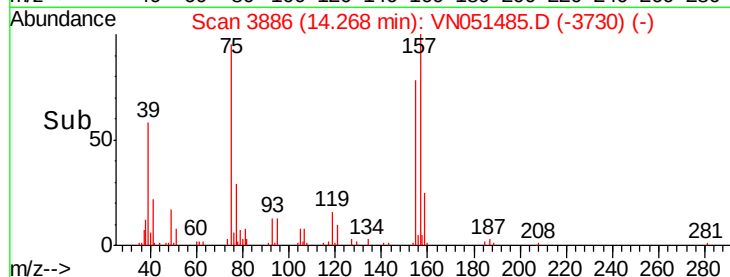
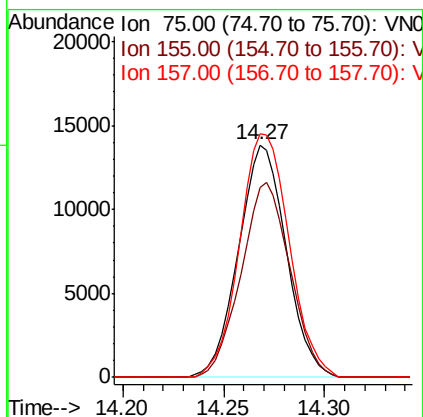
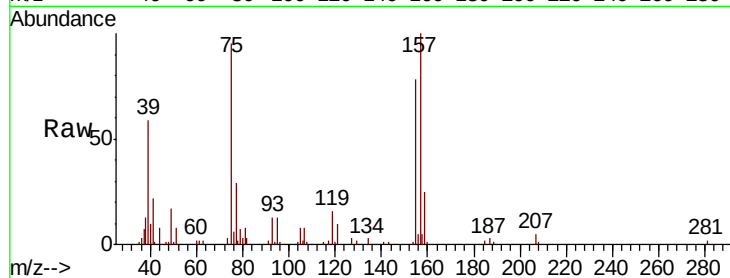
Tot Ion: 75 Resp: 22928

Ion Ratio Lower Upper

75 100

155 86.1 57.0 85.6#

157 109.0 87.4 131.0



#89

1,2,4-Trichlorobenzene

Concen: 19.869 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

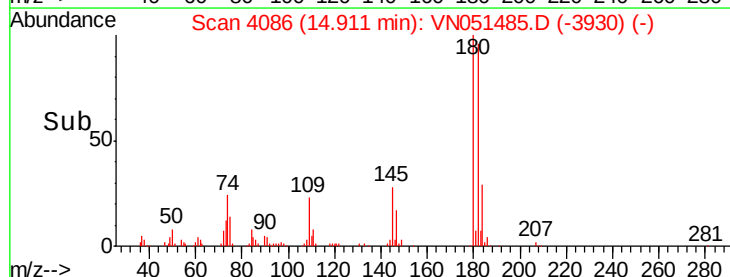
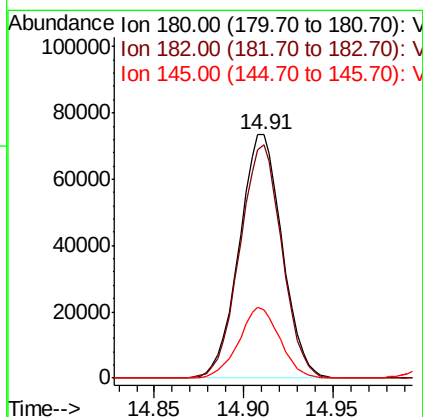
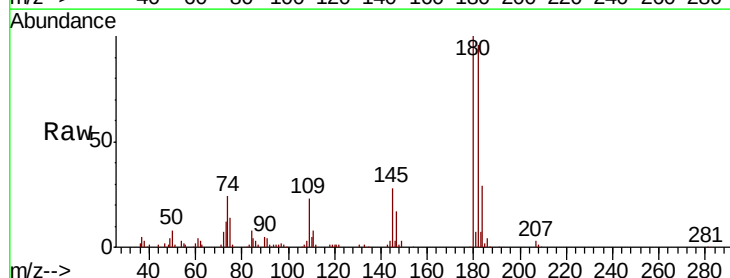
Tgt Ion: 180 Resp: 123350

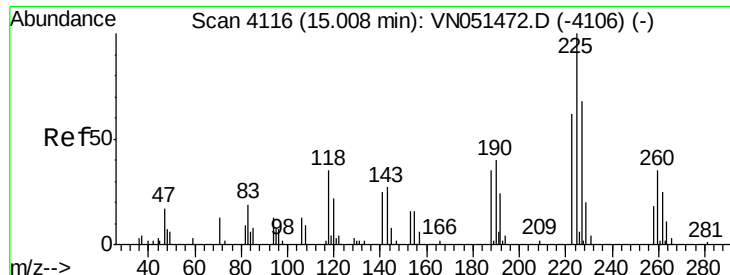
Ion Ratio Lower Upper

180 100

182 94.3 77.7 116.5

145 27.8 23.4 35.2





#90

Hexachlorobutadiene

Concen: 21.370 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

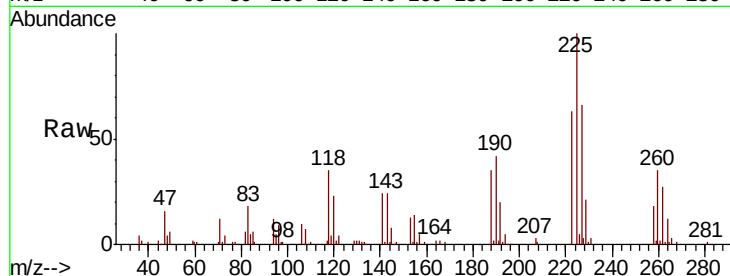
Tot Ion:225 Resp: 102818

Ion Ratio Lower Upper

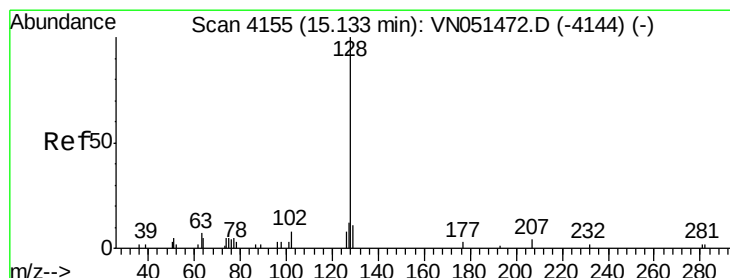
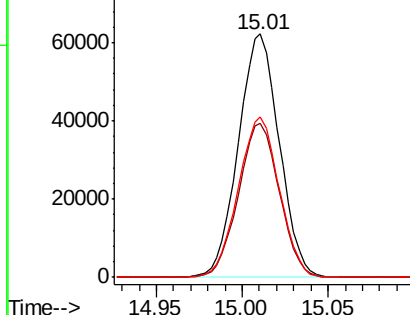
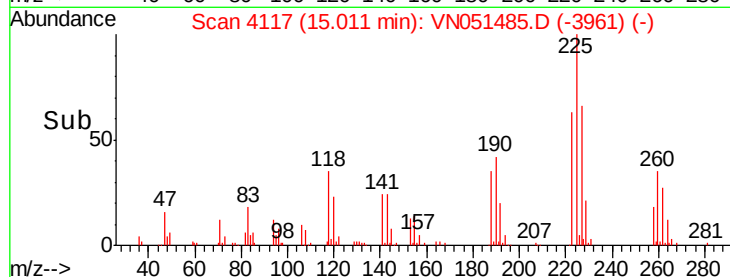
225 100

223 63.1 0.0 117.0

227 65.8 0.0 127.0



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



#91

Naphthalene

Concen: 17.896 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051485.D

Acq: 25 Sep 2018 15:16

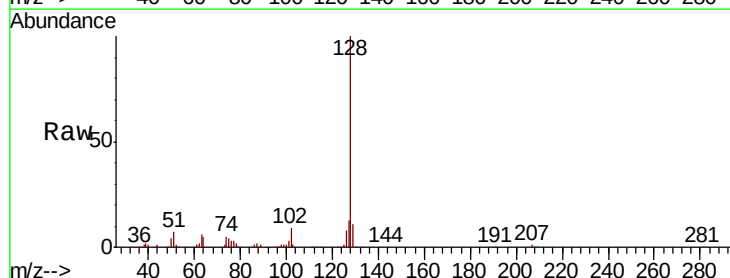
Tgt Ion:128 Resp: 209642

Ion Ratio Lower Upper

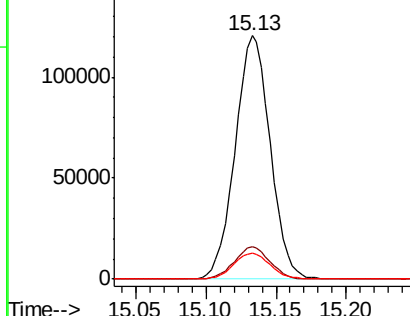
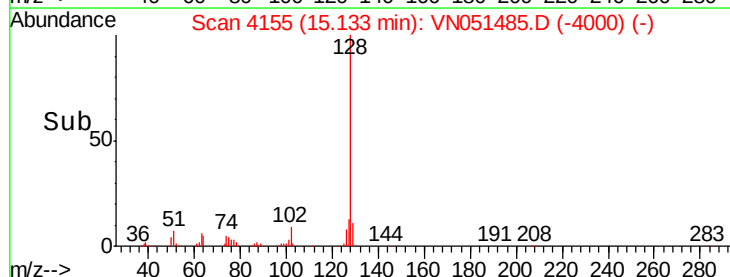
128 100

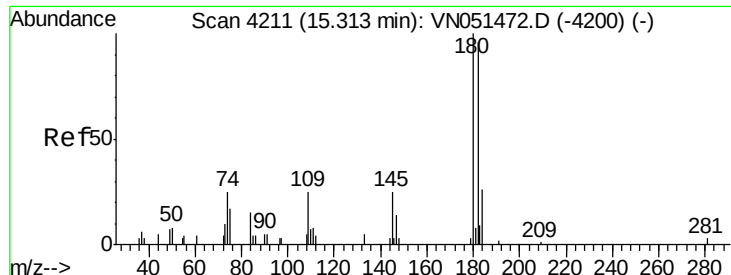
127 13.3 10.1 15.1

129 11.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 19.658 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051485.D
 Acq: 25 Sep 2018 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion:	180	Resp:	123198
Ion Ratio	Lower	Upper	
180	100		
182	94.4	0.0	198.0
145	29.5	0.0	36.8

