

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012319\
 Data File : VN053529.D
 Acq On : 23 Jan 2019 11:23
 Operator : JC/SP
 Sample : VN0123WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Quant Time: Jan 24 01:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	726399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1091798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	482648	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	358299	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.59	113	325727	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.09	98	1272827	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	445279	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	107707	18.442	ug/l 99
3) Chloromethane	2.06	50	149181	17.866	ug/l 99
4) Vinyl Chloride	2.19	62	148337	18.429	ug/l 100
5) Bromomethane	2.57	94	104121	18.853	ug/l 97
6) Chloroethane	2.71	64	89509	18.393	ug/l 98
7) Trichlorofluoromethane	3.02	101	204999	19.471	ug/l 99
8) Diethyl Ether	3.41	74	78867	19.945	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130516	19.574	ug/l 97
10) Methyl Iodide	3.96	142	189628	18.611	ug/l 100
11) Tert butyl alcohol	4.77	59	48733	138.714	ug/l 99
12) 1,1-Dichloroethene	3.74	96	124034	19.179	ug/l 96
13) Acrolein	3.61	56	75270	122.549	ug/l 99
14) Allyl chloride	4.33	41	192921	18.365	ug/l 95
15) Acrylonitrile	4.99	53	257178	111.233	ug/l 99
16) Acetone	3.81	43	204926	121.654	ug/l 100
17) Carbon Disulfide	4.06	76	344729	17.627	ug/l 98
18) Methyl Acetate	4.33	43	126818	22.345	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	359838	20.941	ug/l 100
20) Methylene Chloride	4.55	84	148154	19.264	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	135905	19.656	ug/l 97
22) Diisopropyl ether	5.95	45	450308	20.534	ug/l 95
23) Vinyl Acetate	5.90	43	1420807	105.396	ug/l 99
24) 1,1-Dichloroethane	5.85	63	257767	19.883	ug/l 100
25) 2-Butanone	6.83	43	299153	115.244	ug/l 99
26) 2,2-Dichloropropane	6.83	77	194856	19.907	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	157863	19.966	ug/l 100
28) Bromochloromethane	7.19	49	112447	19.689	ug/l 100
29) Tetrahydrofuran	7.21	42	192426	113.869	ug/l 100
30) Chloroform	7.37	83	258419	20.459	ug/l 97
31) Cyclohexane	7.66	56	235161	18.498	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	214348	20.005	ug/l 99
36) 1,1-Dichloropropene	7.79	75	191889	19.299	ug/l 100
37) Ethyl Acetate	6.93	43	125073	21.864	ug/l 99
38) Carbon Tetrachloride	7.77	117	183093	19.450	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226595	18.438	ug/l	98
40) Benzene	8.04	78	599590	19.844	ug/l	100
41) Methacrylonitrile	7.18	41	78316	23.399	ug/l #	93
42) 1,2-Dichloroethane	8.13	62	180820	20.542	ug/l	100
43) Isopropyl Acetate	8.16	43	220824	21.468	ug/l	100
44) Trichloroethene	8.83	130	167938	20.042	ug/l	100
45) 1,2-Dichloropropane	9.12	63	161082	20.127	ug/l	100
46) Dibromomethane	9.21	93	94668	20.588	ug/l	98
47) Bromodichloromethane	9.40	83	195322	20.199	ug/l	98
48) Methyl methacrylate	9.20	41	111012	20.902	ug/l	99
49) 1,4-Dioxane	9.20	88	29069	560.431	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	635603	113.193	ug/l	99
52) Toluene	10.16	92	371303	19.794	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	198555	20.258	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	231313	20.132	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	137268	21.225	ug/l	99
56) Ethyl methacrylate	10.43	69	176156	20.461	ug/l	98
57) 1,3-Dichloropropane	10.71	76	232784	20.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	454497	100.455	ug/l	100
59) 2-Hexanone	10.75	43	446837	113.358	ug/l	98
60) Dibromochloromethane	10.90	129	151812	20.696	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137261	20.986	ug/l	98
64) Tetrachloroethene	10.63	164	184637	19.878	ug/l	99
65) Chlorobenzene	11.43	112	412233	19.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148993	20.529	ug/l	99
67) Ethyl Benzene	11.51	91	693460	19.504	ug/l	99
68) m/p-Xylenes	11.62	106	537150	40.015	ug/l	100
69) o-Xylene	11.95	106	262409	20.118	ug/l	100
70) Styrene	11.96	104	433641	20.484	ug/l	100
71) Bromoform	12.13	173	107231	21.461	ug/l #	98
73) Isopropylbenzene	12.25	105	697161	19.725	ug/l	100
74) N-amyl acetate	12.07	43	196392	20.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	159464	21.512	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	213078	33.501	ug/l #	100
77) Bromobenzene	12.53	156	184087	19.766	ug/l	99
78) n-propylbenzene	12.59	91	804911	19.839	ug/l	99
79) 2-Chlorotoluene	12.67	91	477693	19.864	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	576759	20.056	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47752	20.571	ug/l	97
82) 4-Chlorotoluene	12.77	91	484477	19.755	ug/l	100
83) tert-Butylbenzene	12.99	119	512319	20.171	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	590196	20.354	ug/l	100
85) sec-Butylbenzene	13.17	105	696151	19.985	ug/l	99
86) p-Isopropyltoluene	13.29	119	610095	20.171	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	325466	19.867	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	322828	19.645	ug/l	100
89) n-Butylbenzene	13.62	91	490006	19.006	ug/l	100
90) Hexachloroethane	13.88	117	93592	19.730	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	317236	21.048	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23644	25.156	ug/l	97

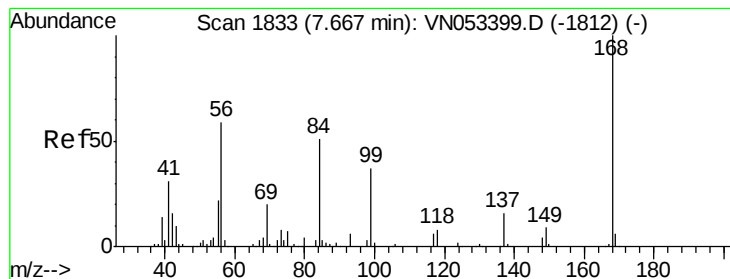
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144069	23.232	ug/l	100
94) Hexachlorobutadiene	15.01	225	107016	22.761	ug/l	99
95) Naphthalene	15.13	128	254878	24.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	110062	24.756	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

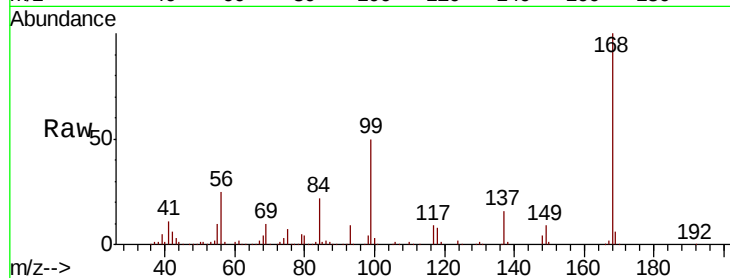
VN0123WBS01

Tgt Ion:168 Resp: 726399

Ion Ratio Lower Upper

168 100

99 49.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

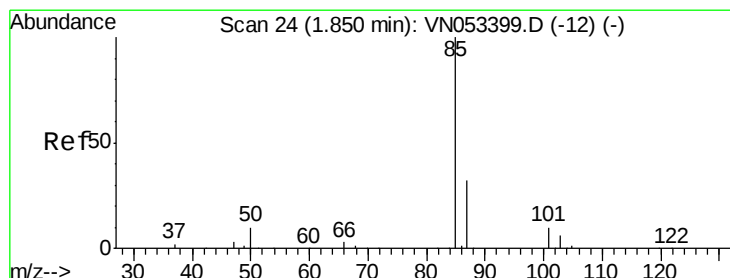
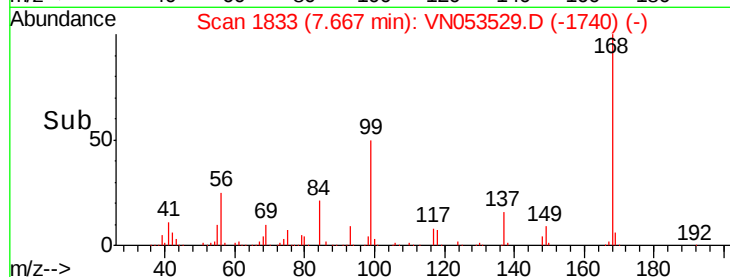
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.442 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053529.D

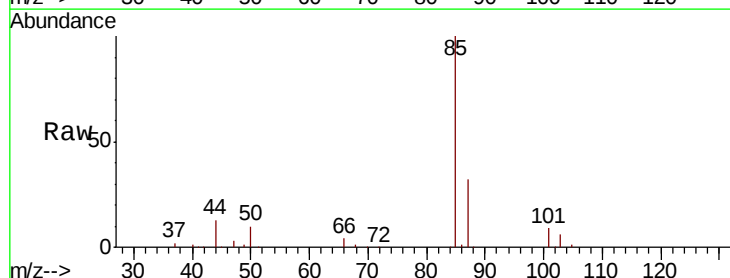
Acq: 23 Jan 2019 11:23

Tgt Ion: 85 Resp: 107707

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

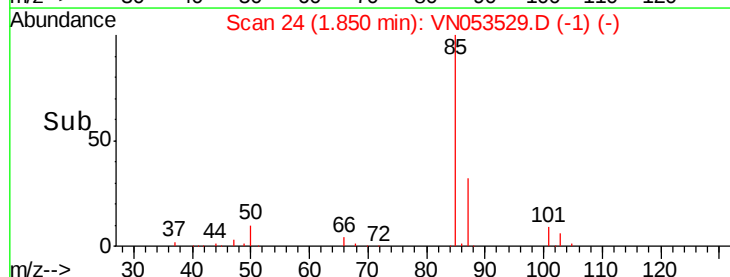
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.866 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

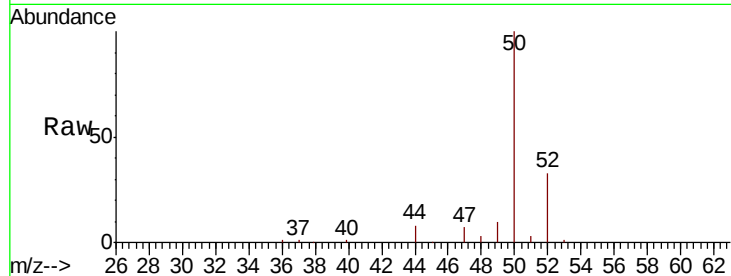
VN0123WBS01

Tgt Ion: 50 Resp: 149181

Ion Ratio Lower Upper

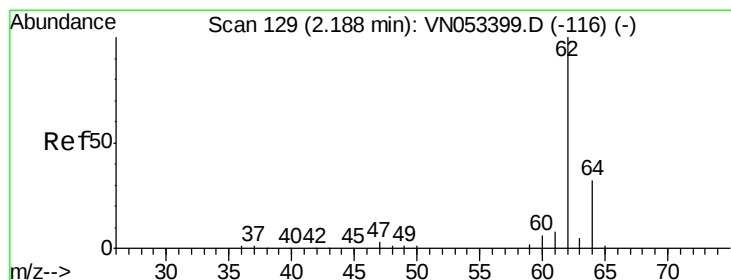
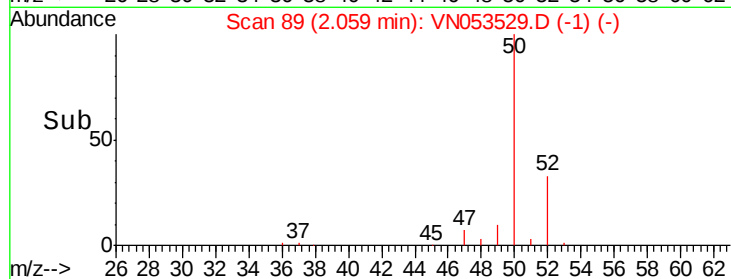
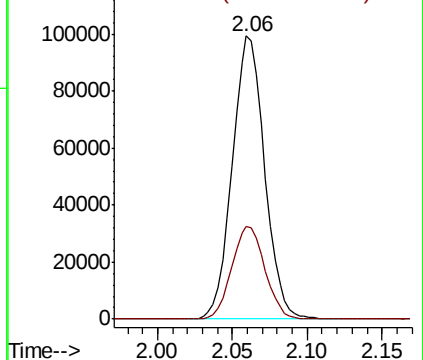
50 100

52 32.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.429 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053529.D

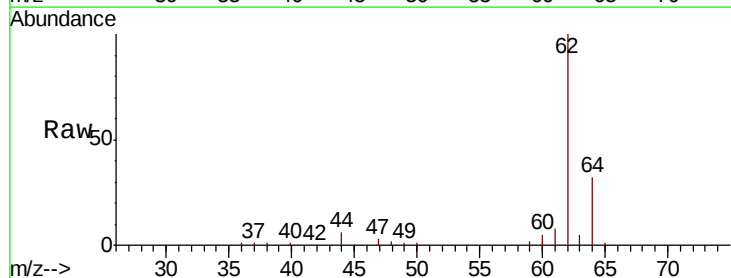
Acq: 23 Jan 2019 11:23

Tgt Ion: 62 Resp: 148337

Ion Ratio Lower Upper

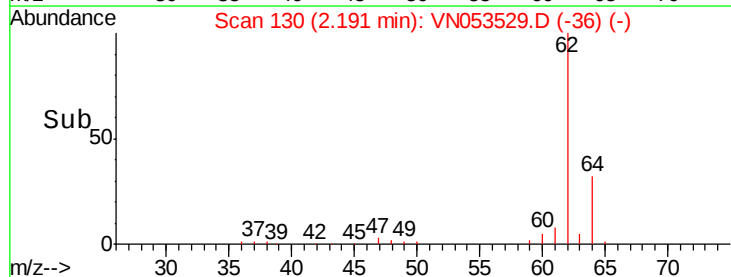
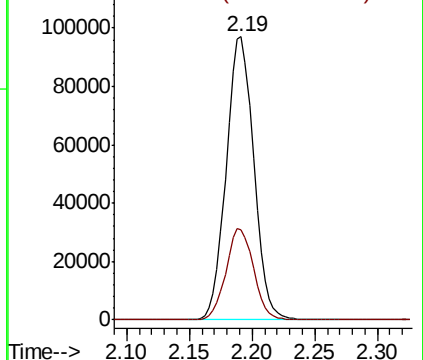
62 100

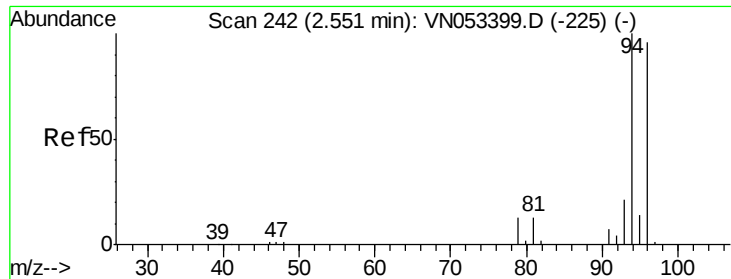
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

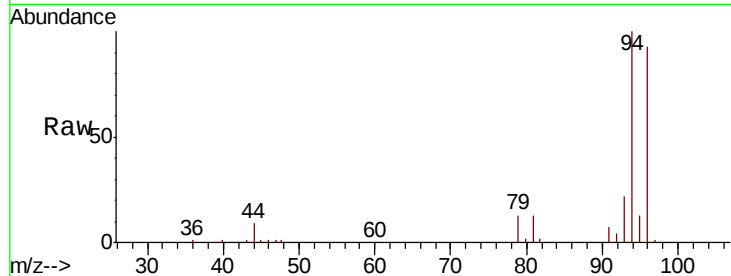




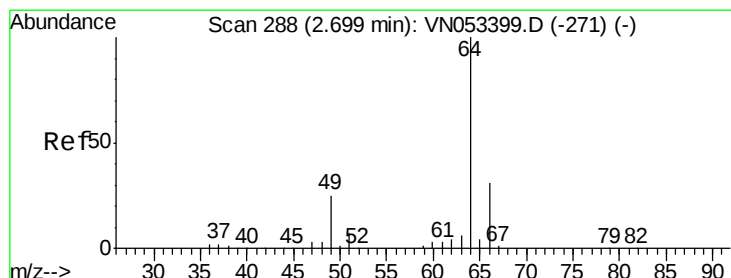
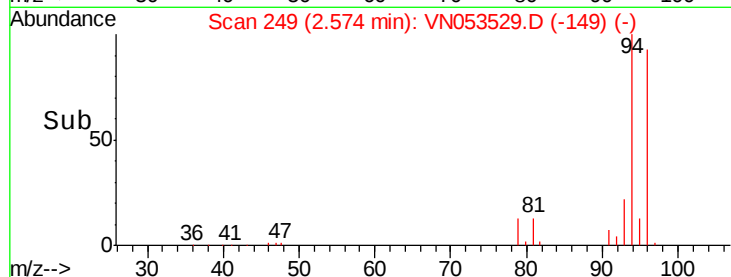
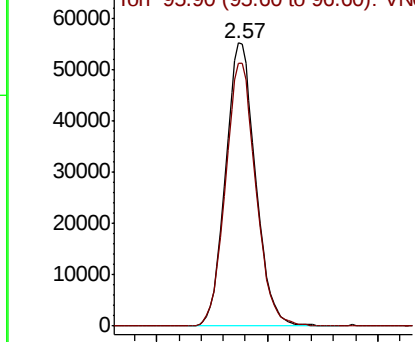
#5
Bromomethane
Concen: 18.853 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.02 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion: 94 Resp: 104121
Ion Ratio Lower Upper
94 100
96 92.7 76.8 115.2

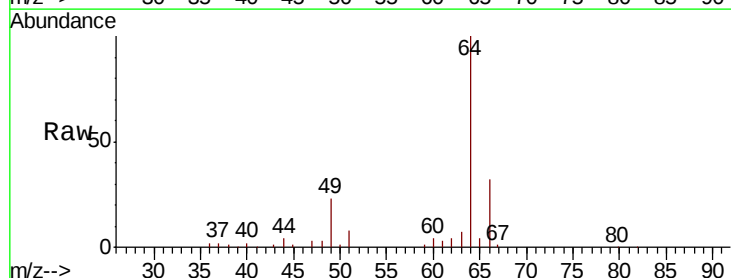


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

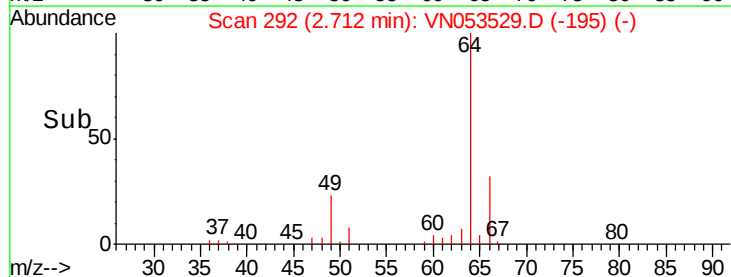
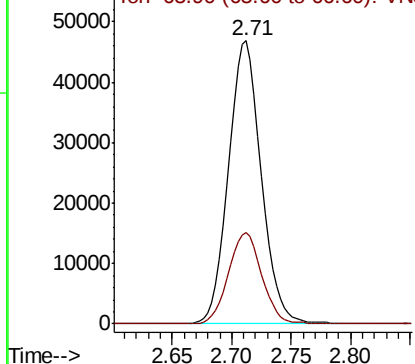


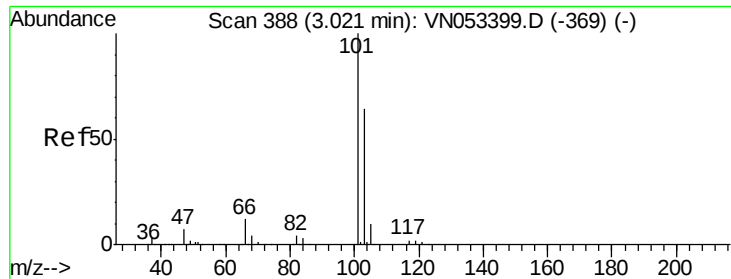
#6
Chloroethane
Concen: 18.393 ug/l
RT: 2.71 min Scan# 292
Delta R.T. 0.01 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 64 Resp: 89509
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



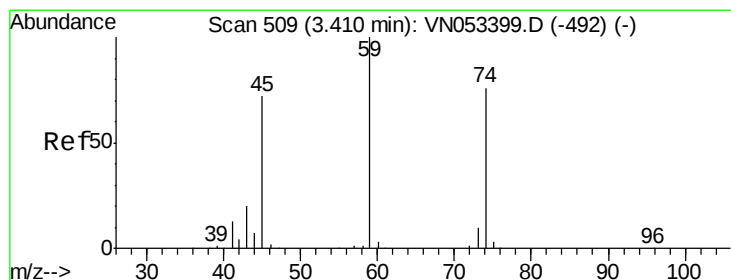
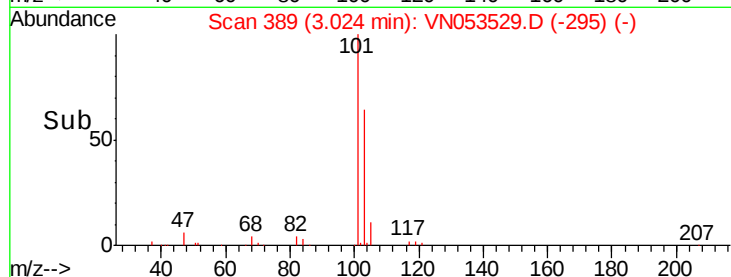
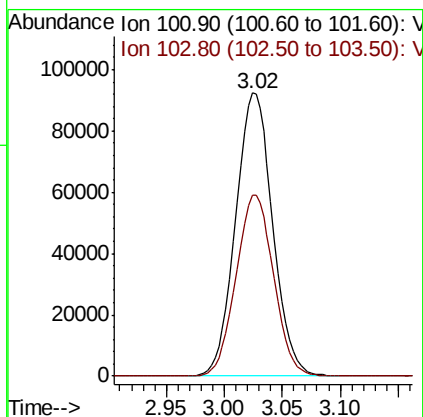
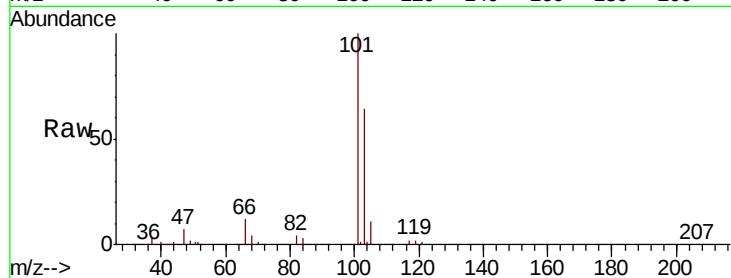


#7

Trichlorofluoromethane
 Concen: 19.471 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBS01

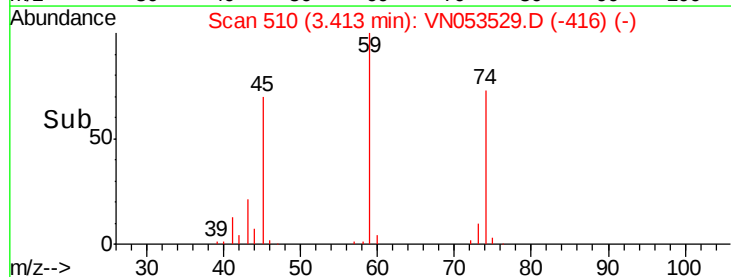
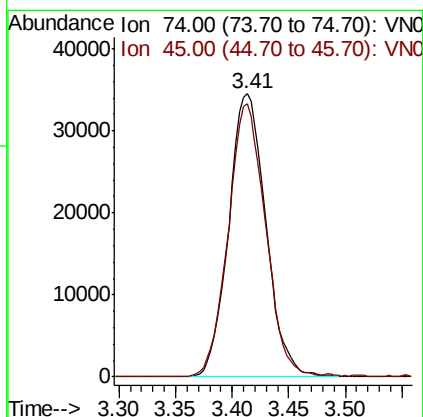
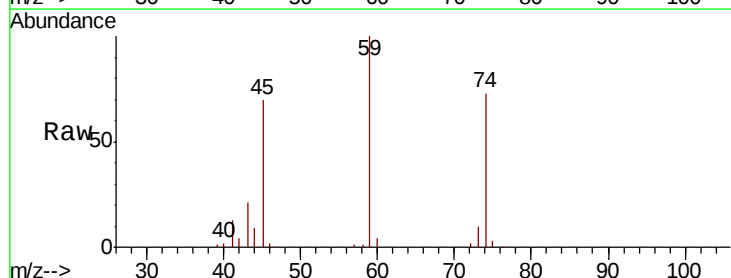
Tgt Ion:101 Resp: 204999
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.6 77.4

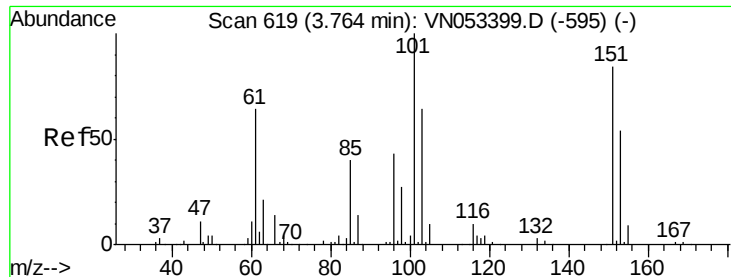


#8

Diethyl Ether
 Concen: 19.945 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion: 74 Resp: 78867
 Ion Ratio Lower Upper
 74 100
 45 97.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.574 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

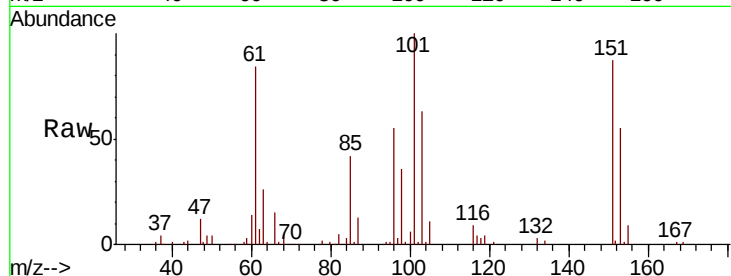
Tgt Ion:101 Resp: 130516

Ion Ratio Lower Upper

101 100

85 42.3 32.8 49.2

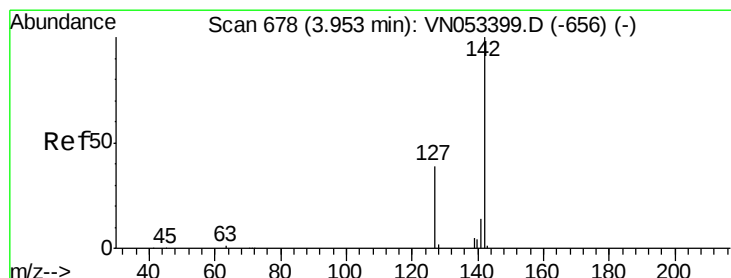
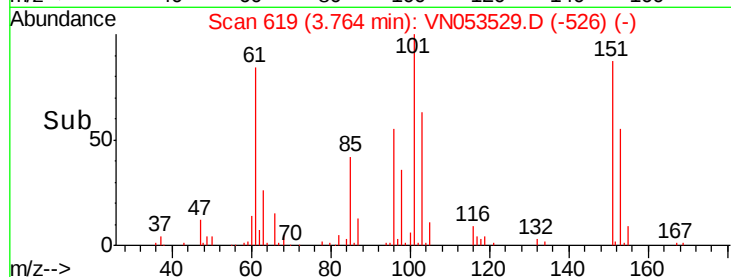
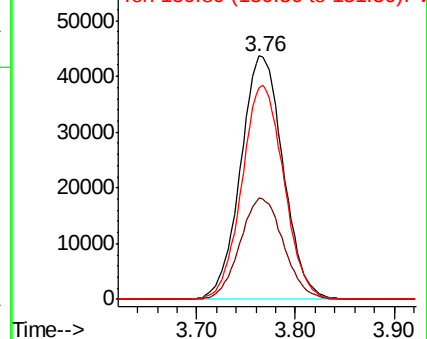
151 86.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.611 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

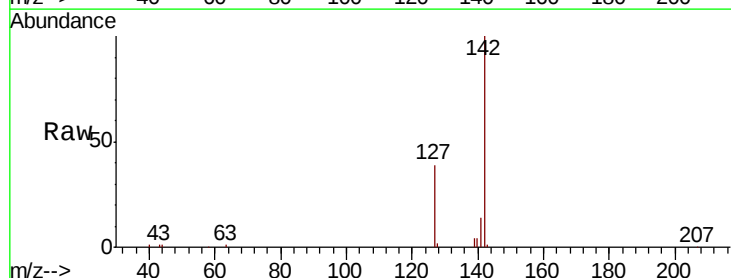
Tgt Ion:142 Resp: 189628

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

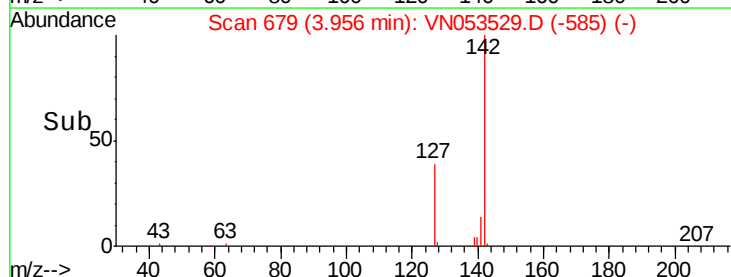
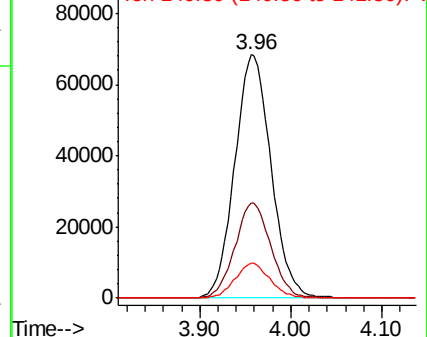
141 13.7 11.1 16.7

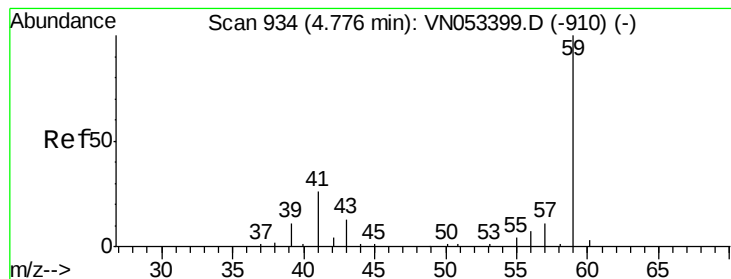


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



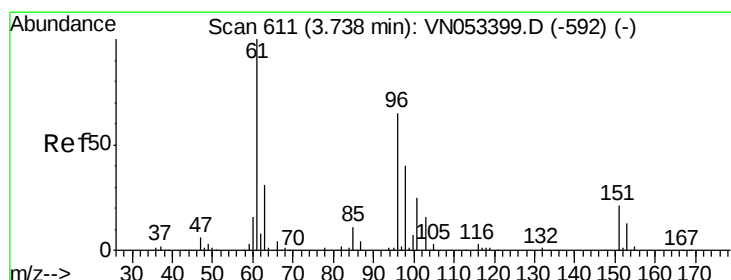
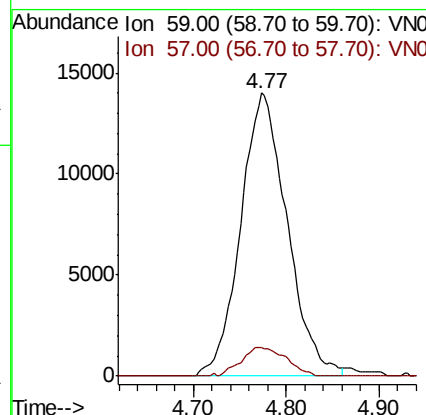
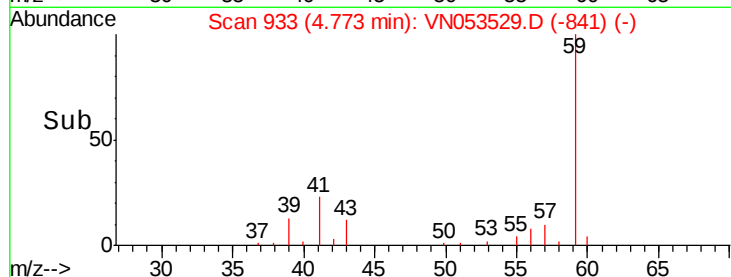
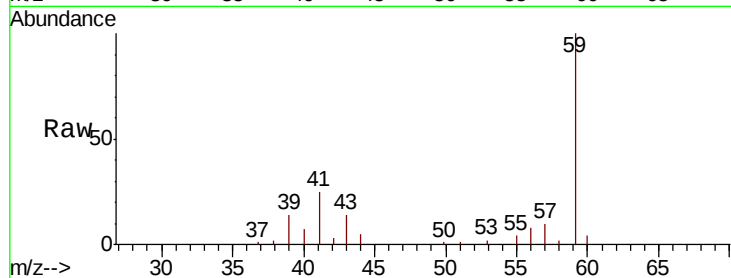


#11

Tert butyl alcohol
 Concen: 138.714 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

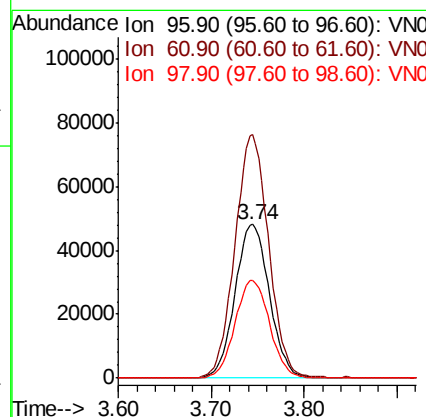
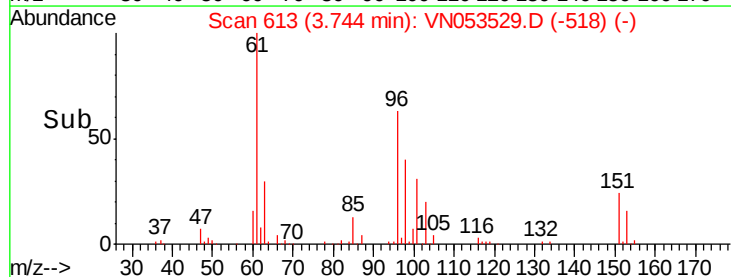
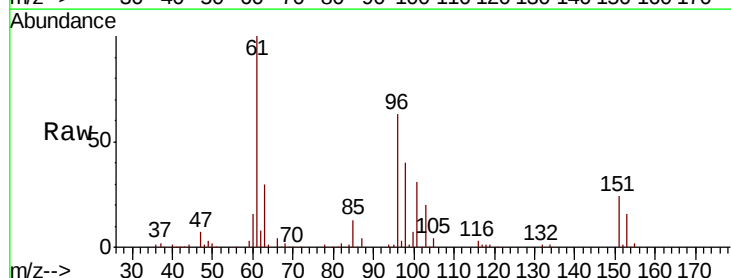
Tgt Ion: 59 Resp: 48733
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.4

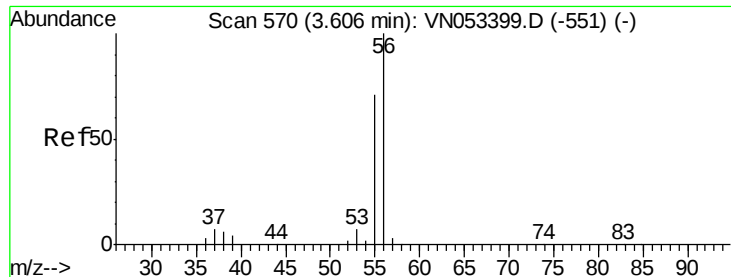


#12

1,1-Dichloroethene
 Concen: 19.179 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion: 96 Resp: 124034
 Ion Ratio Lower Upper
 96 100
 61 158.5 122.9 184.3
 98 63.9 49.4 74.0

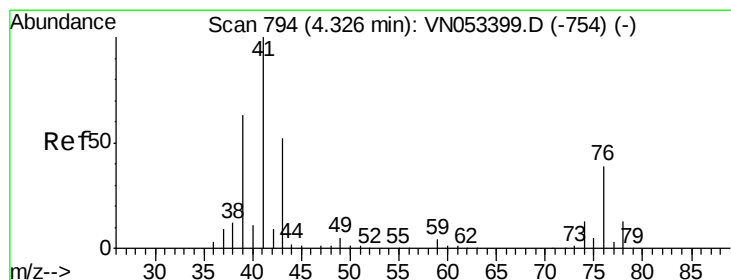
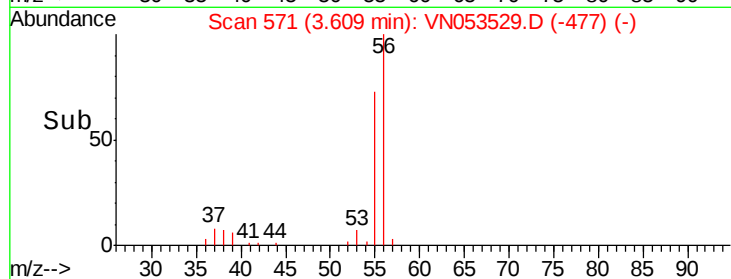
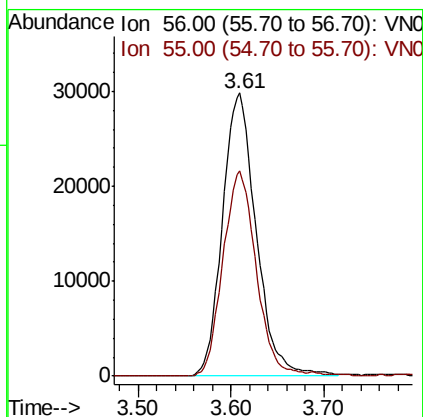
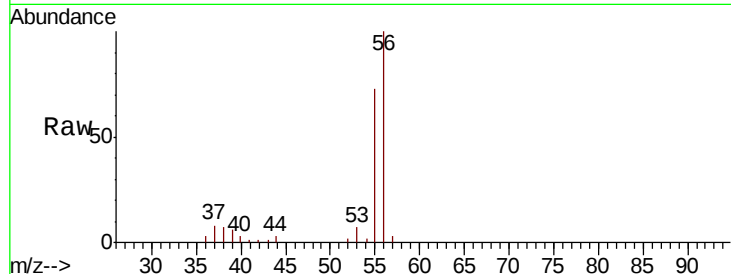




#13
Acrolein
Concen: 122.549 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

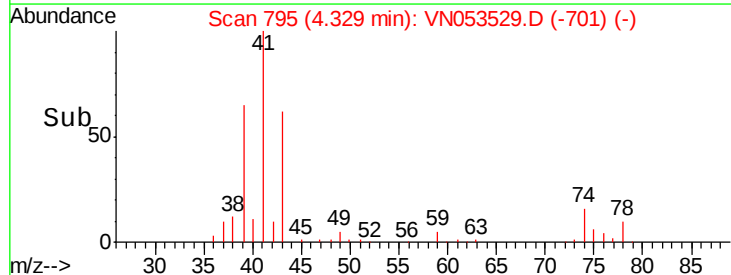
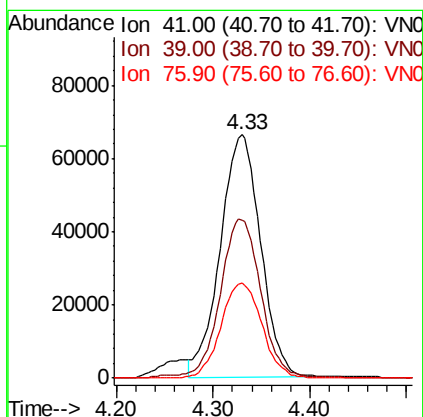
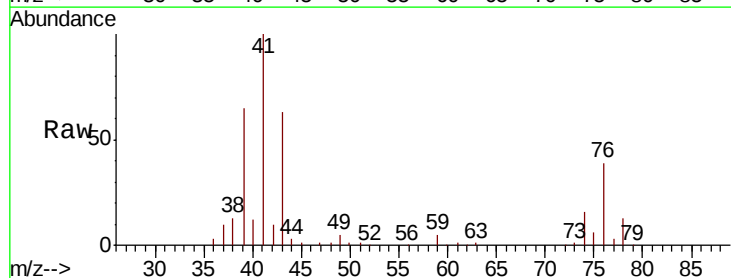
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion: 56 Resp: 75270
Ion Ratio Lower Upper
56 100
55 71.1 57.4 86.0



#14
Allyl chloride
Concen: 18.365 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 41 Resp: 192921
Ion Ratio Lower Upper
41 100
39 66.2 48.9 73.3
76 38.8 29.4 44.2





#15

Acrylonitrile

Concen: 111.233 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

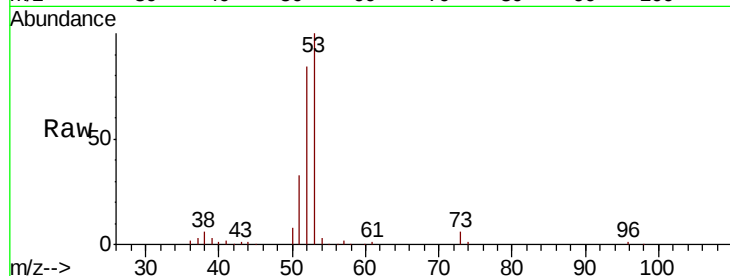
Tgt Ion: 53 Resp: 257178

Ion Ratio Lower Upper

53 100

52 81.2 66.0 99.0

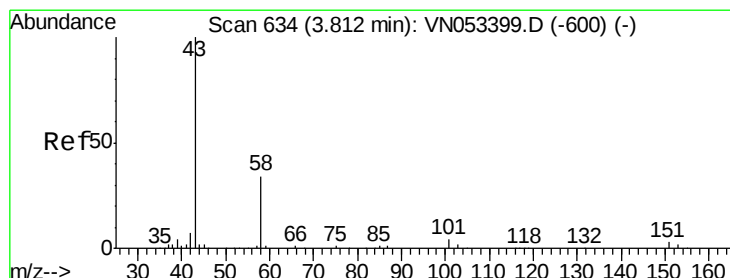
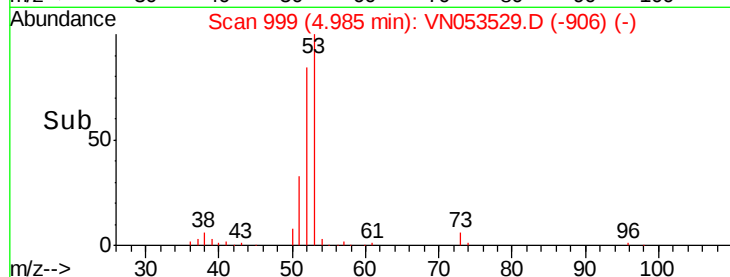
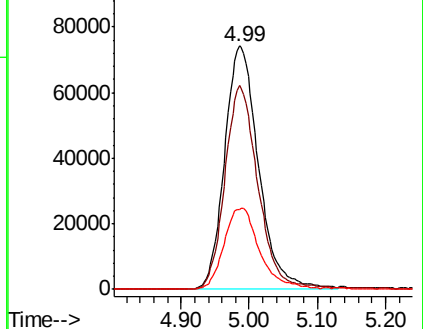
51 35.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 121.654 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053529.D

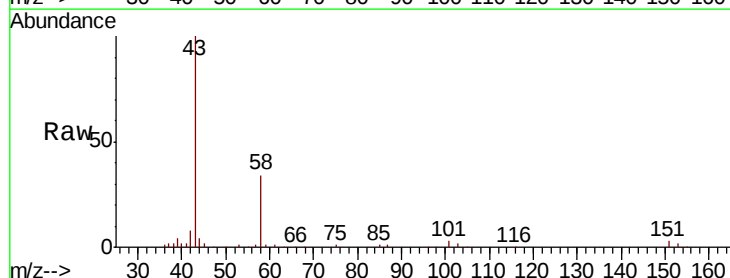
Acq: 23 Jan 2019 11:23

Tgt Ion: 43 Resp: 204926

Ion Ratio Lower Upper

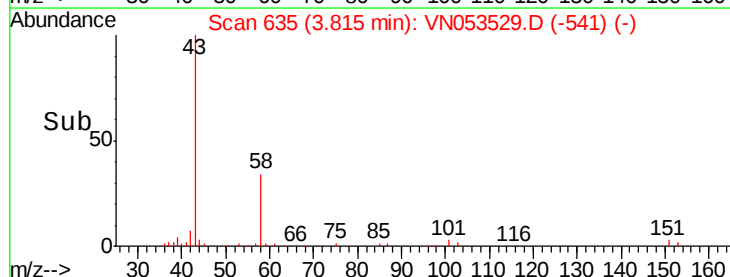
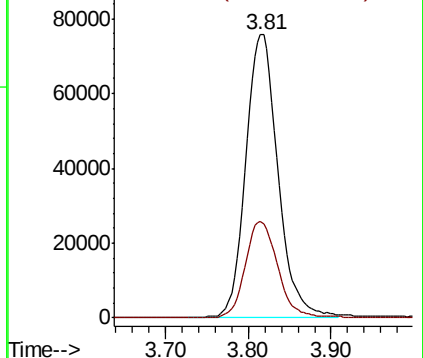
43 100

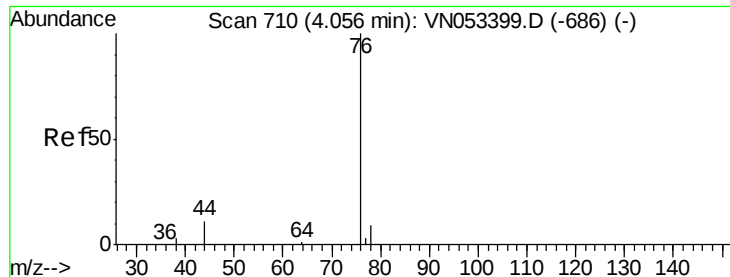
58 34.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

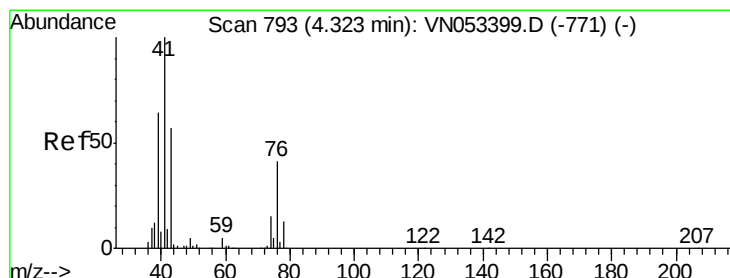
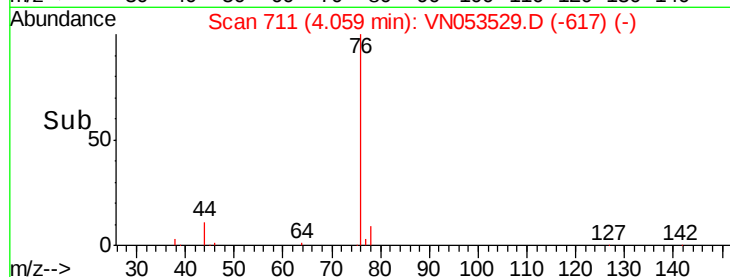
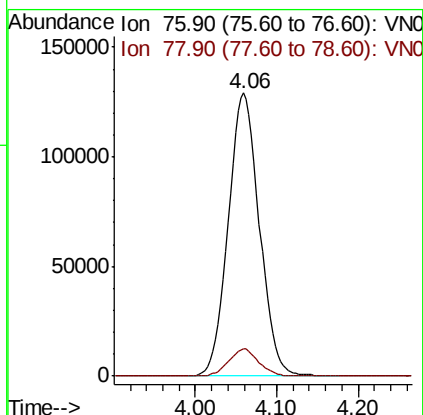
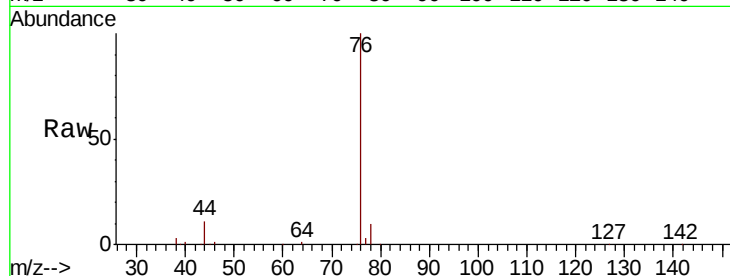




#17
Carbon Disulfide
Concen: 17.627 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

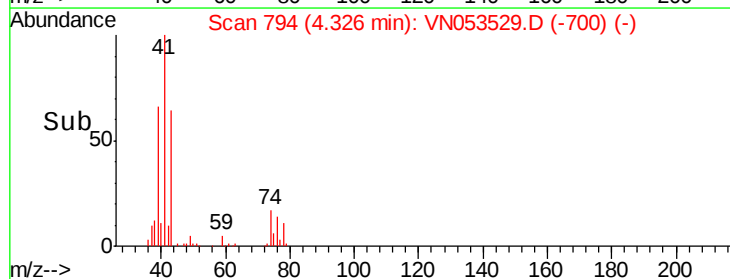
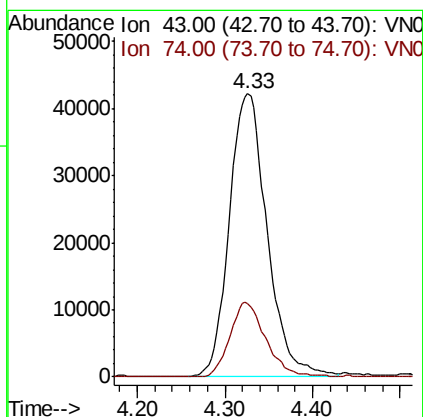
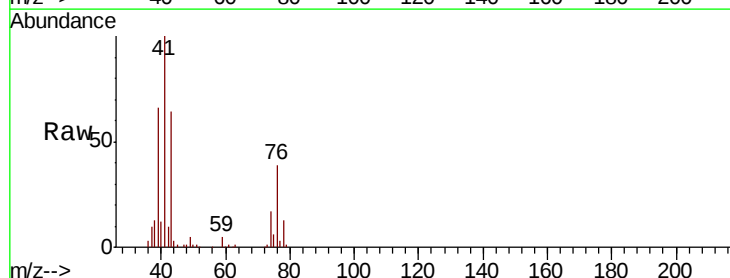
Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

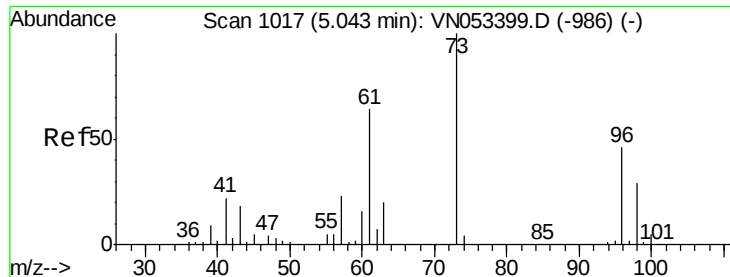
Tgt Ion: 76 Resp: 344729
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 22.345 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 43 Resp: 126818
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2

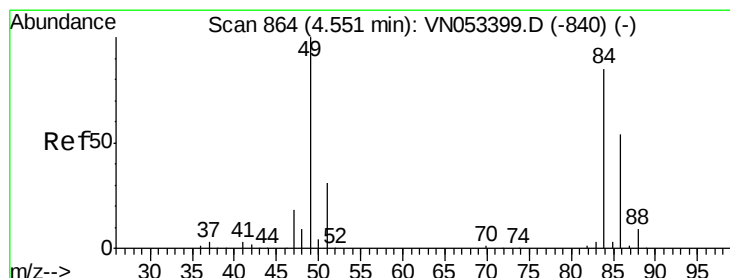
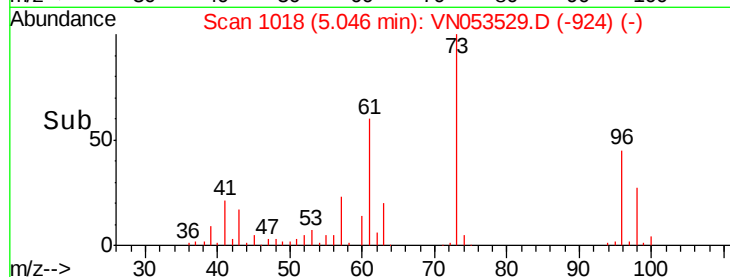
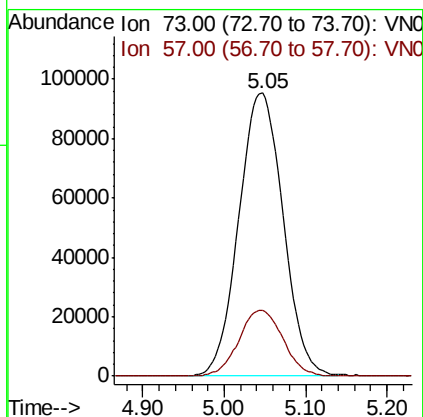
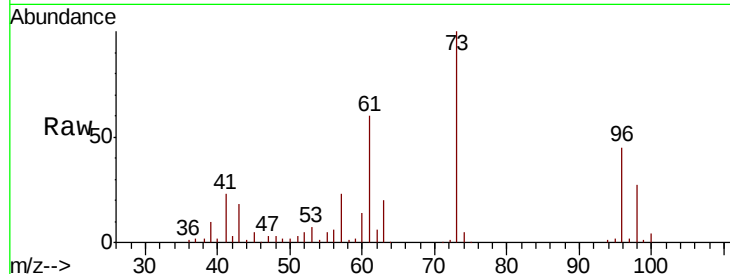




#19
Methyl tert-butyl Ether
Concen: 20.941 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

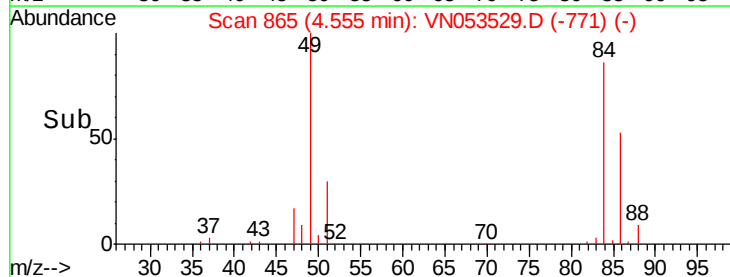
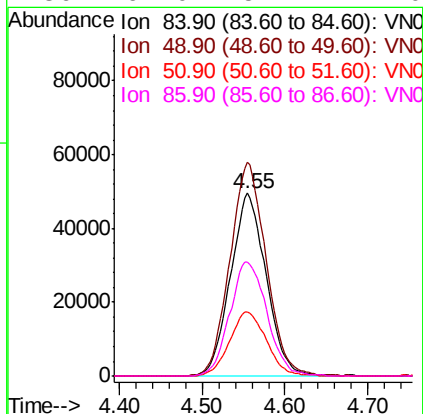
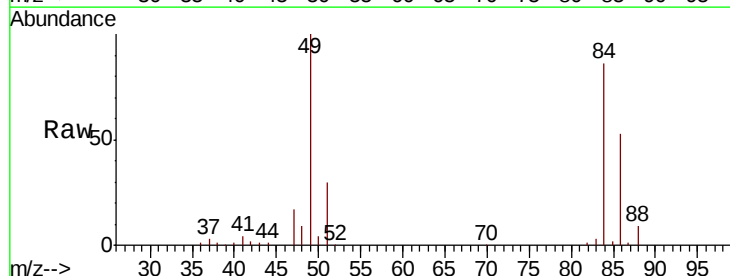
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

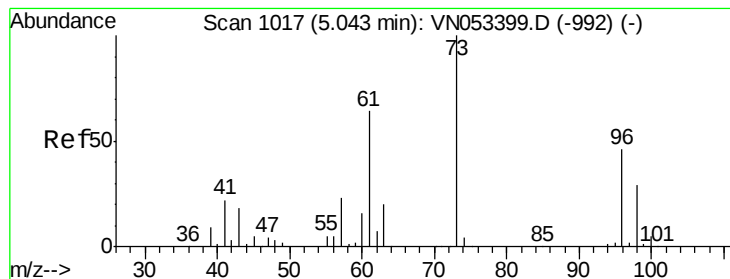
Tgt Ion: 73 Resp: 359838
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5



#20
Methylene Chloride
Concen: 19.264 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 84 Resp: 148154
Ion Ratio Lower Upper
84 100
49 116.6 94.3 141.5
51 35.2 29.4 44.2
86 62.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.656 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

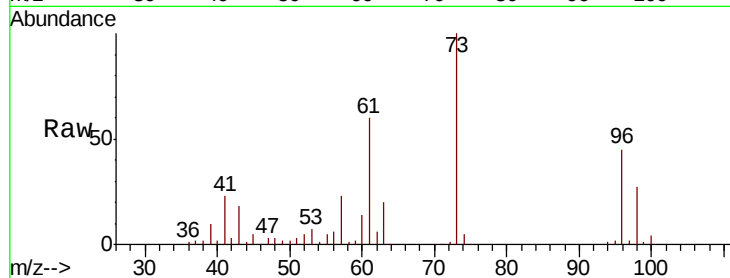
Tgt Ion: 96 Resp: 135905

Ion Ratio Lower Upper

96 100

61 134.1 110.1 165.1

98 59.5 50.0 75.0

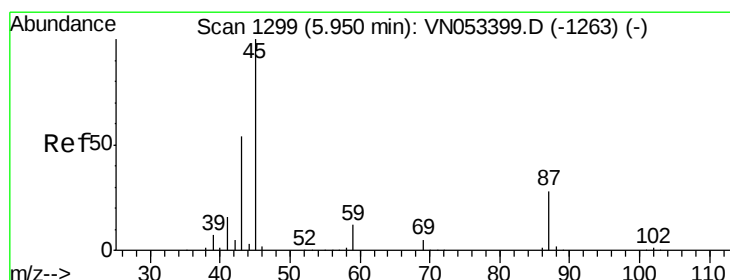
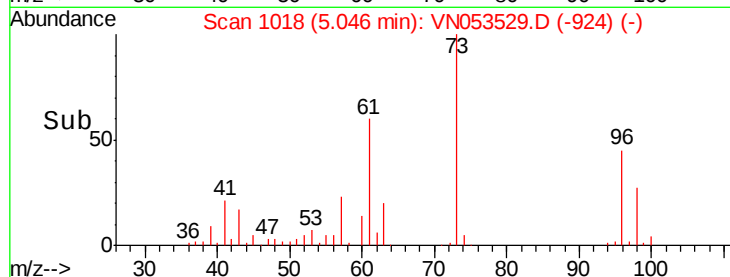
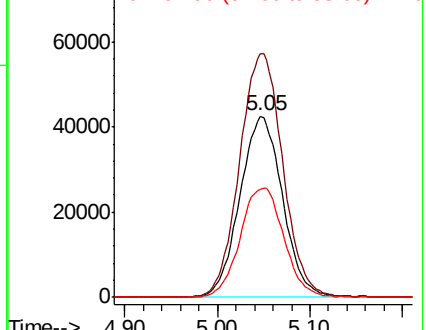


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.534 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion: 45 Resp: 450308

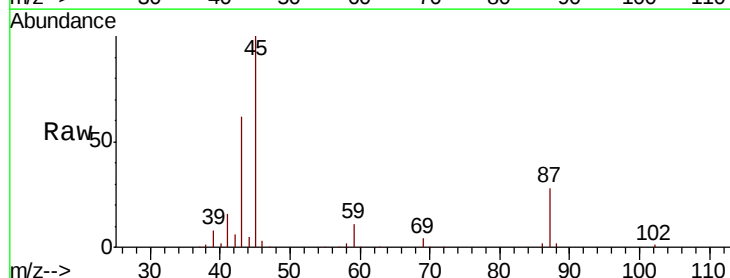
Ion Ratio Lower Upper

45 100

43 60.6 44.2 66.4

87 27.6 22.7 34.1

59 11.2 9.4 14.2



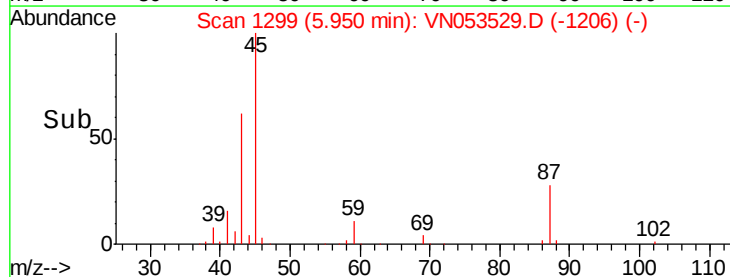
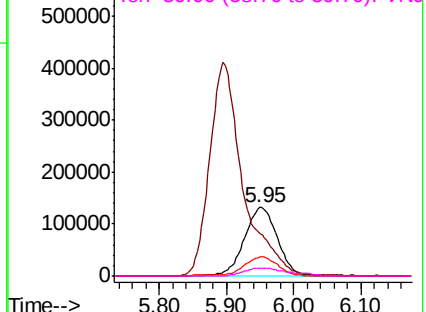
Abundance

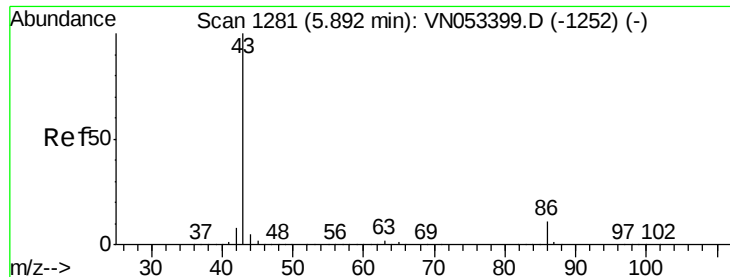
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC

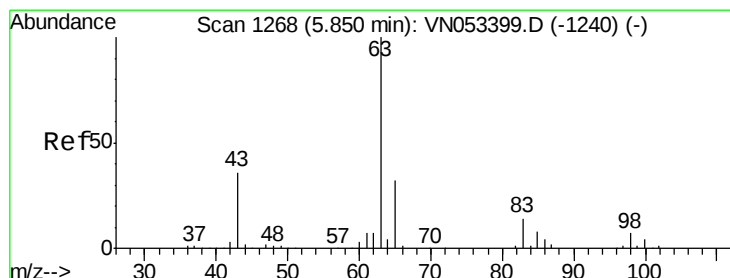
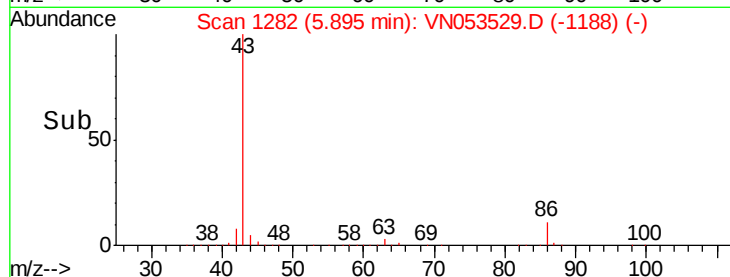
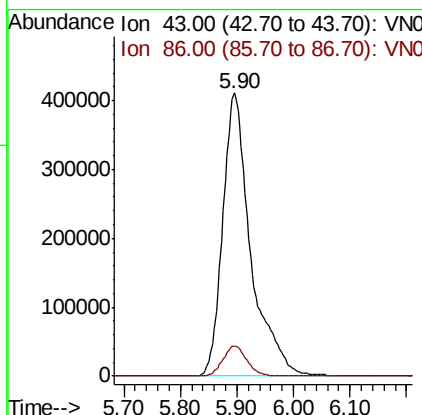
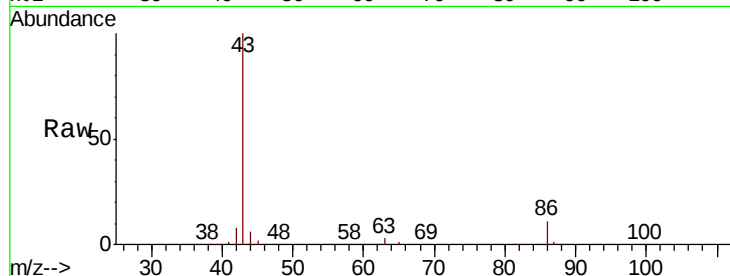




#23
 Vinyl Acetate
 Concen: 105.396 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

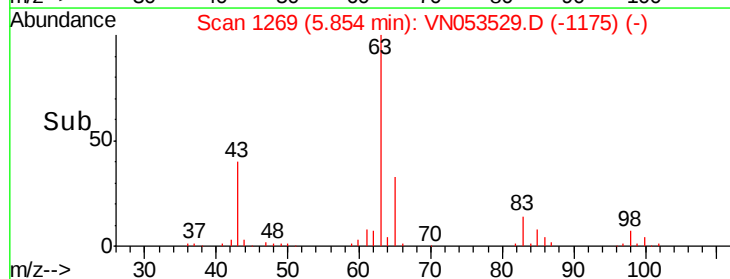
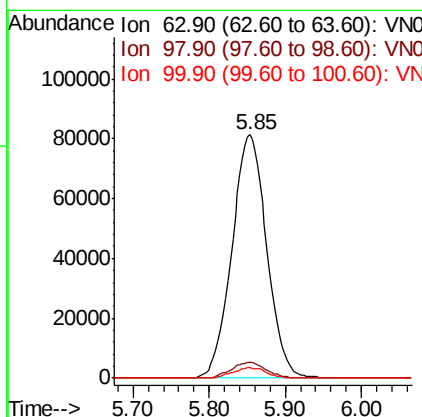
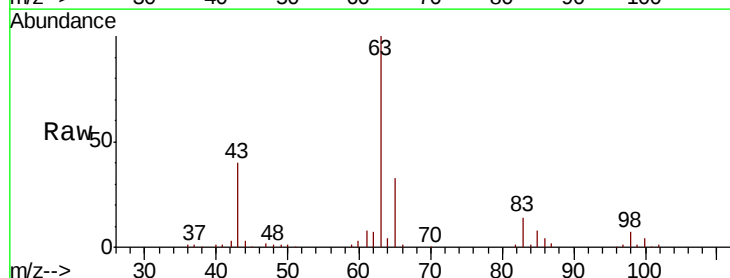
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

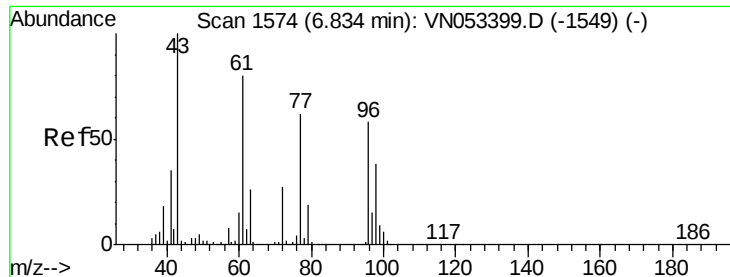
Tgt Ion: 43 Resp: 1420807
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.883 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion: 63 Resp: 257767
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 115.244 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

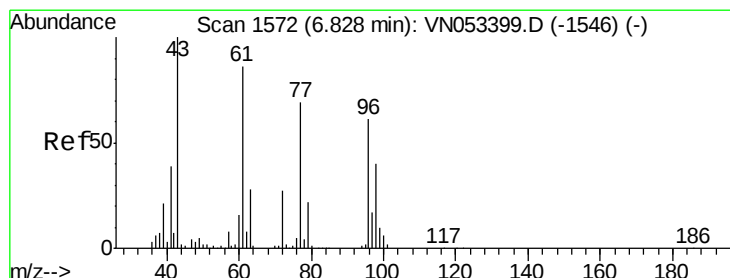
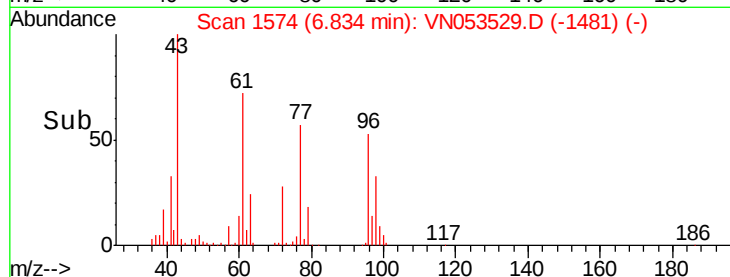
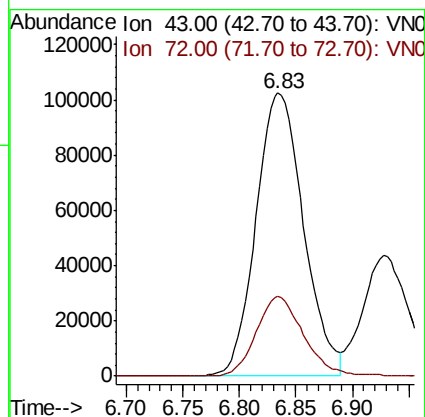
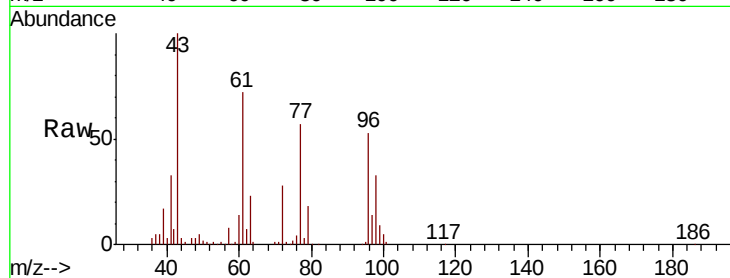
VN0123WBS01

Tgt Ion: 43 Resp: 299153

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.907 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053529.D

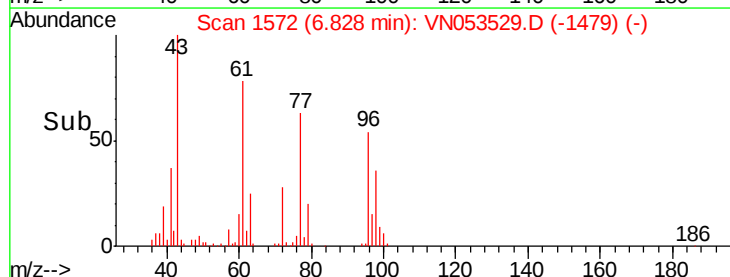
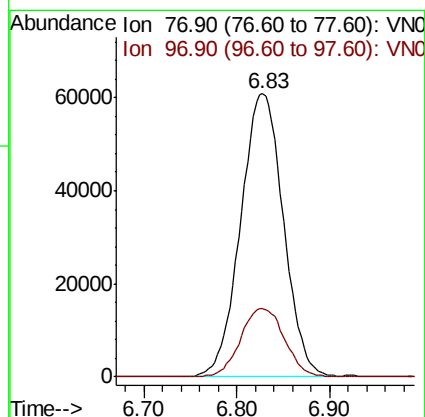
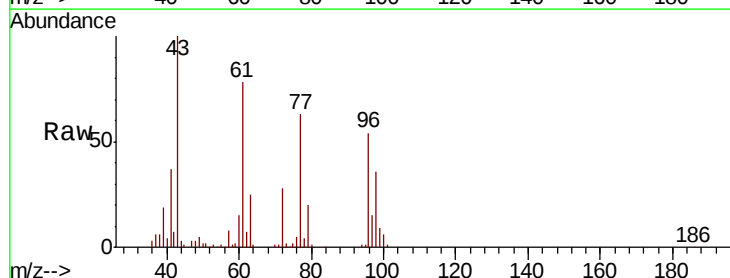
Acq: 23 Jan 2019 11:23

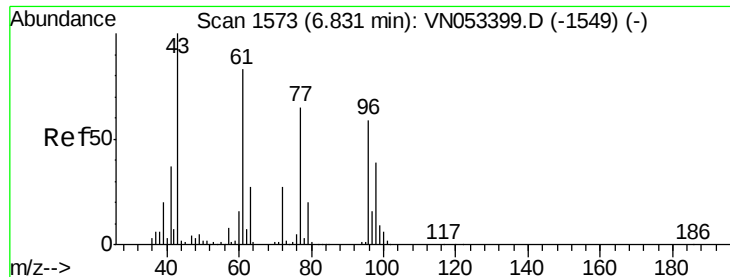
Tgt Ion: 77 Resp: 194856

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6



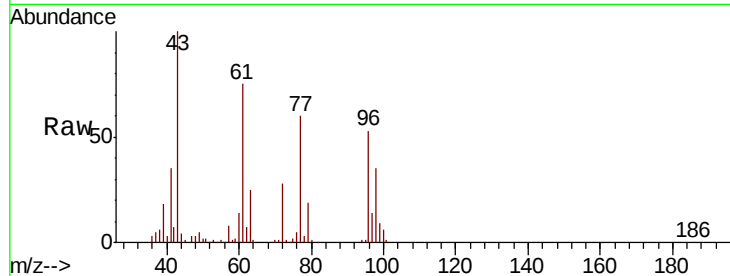


#27

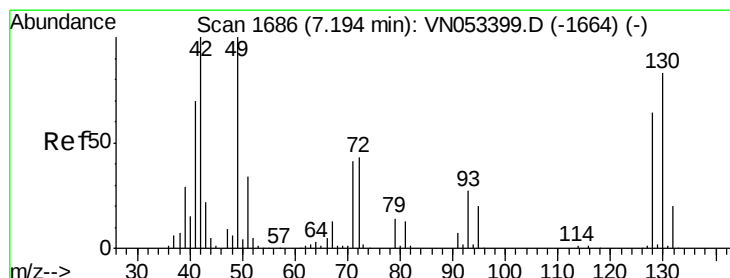
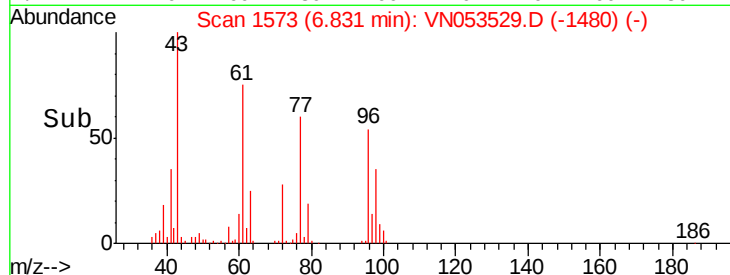
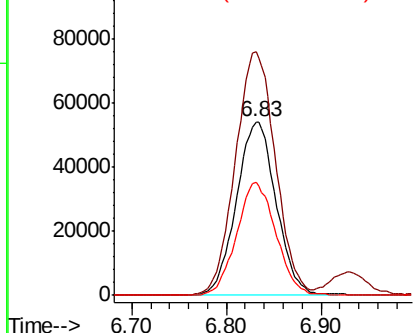
cis-1,2-Dichloroethene
Concen: 19.966 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion: 96 Resp: 157863
Ion Ratio Lower Upper
96 100
61 141.7 0.0 283.8
98 64.4 0.0 129.2



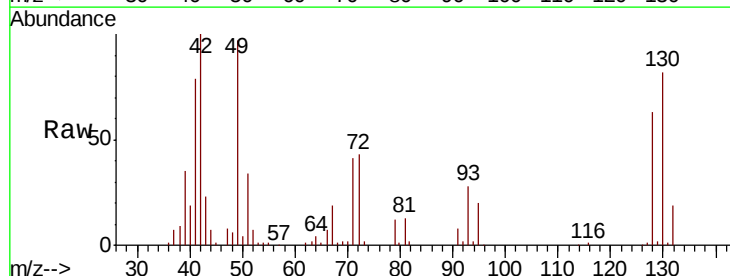
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



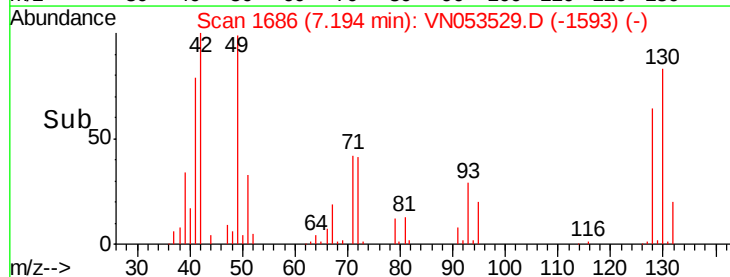
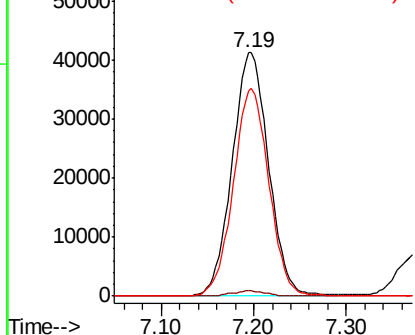
#28

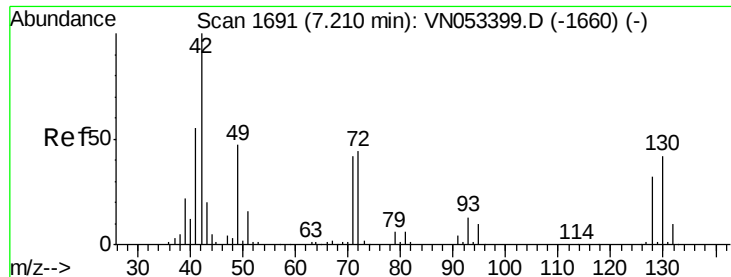
Bromochloromethane
Concen: 19.689 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 49 Resp: 112447
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.0
130 83.3 66.3 99.5



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

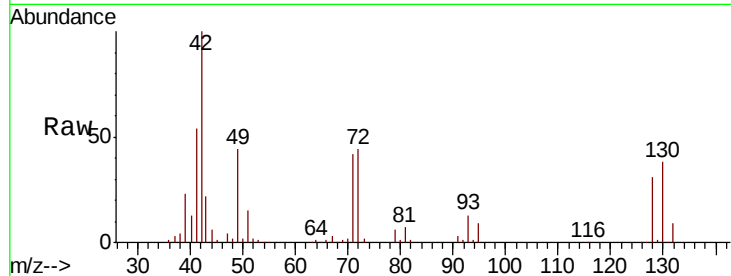




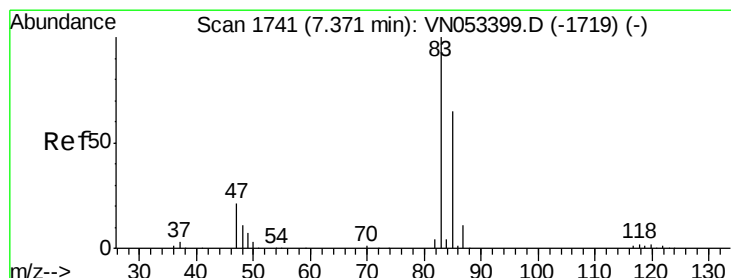
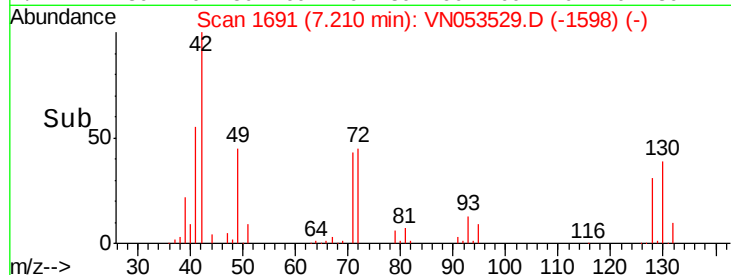
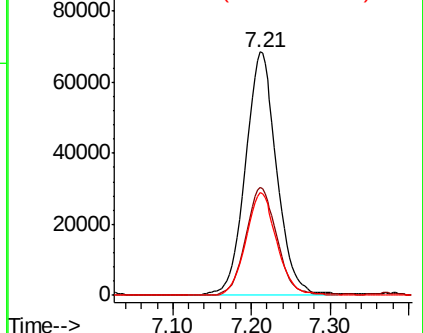
#29
Tetrahydrofuran
Concen: 113.869 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion: 42 Resp: 192426
Ion Ratio Lower Upper
42 100
72 44.0 35.2 52.8
71 41.6 33.0 49.4

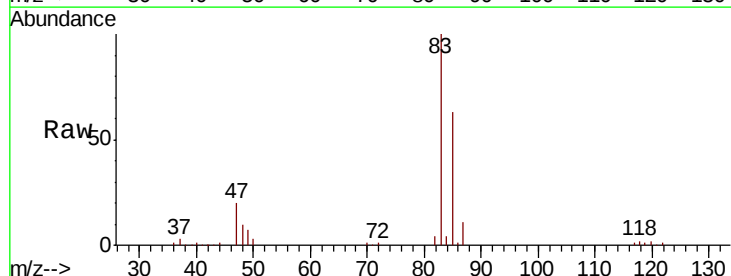


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

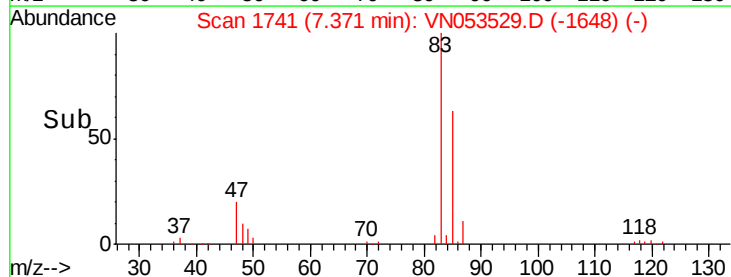
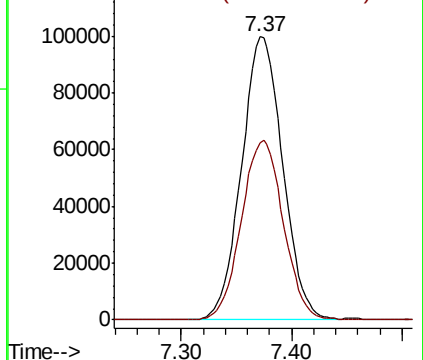


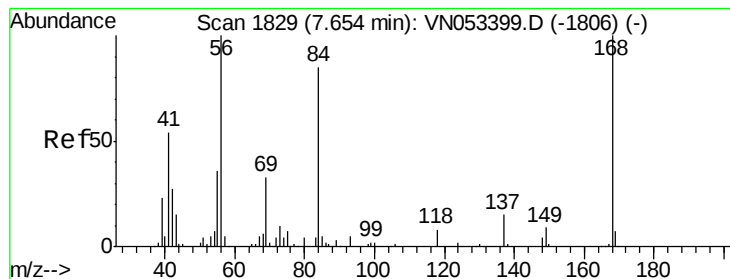
#30
Chloroform
Concen: 20.459 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 83 Resp: 258419
Ion Ratio Lower Upper
83 100
85 62.6 52.2 78.2



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





#31

Cyclohexane

Concen: 18.498 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0123WBS01

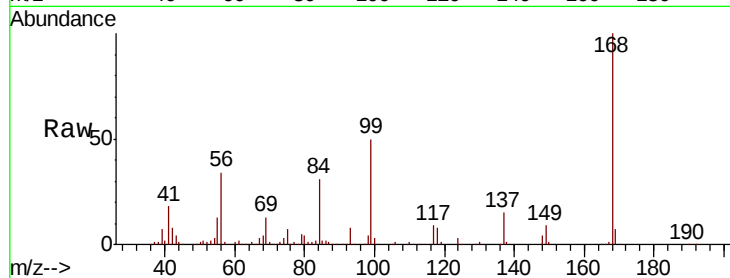
Tgt Ion: 56 Resp: 235161

Ion Ratio Lower Upper

56 100

69 36.9 26.4 39.6

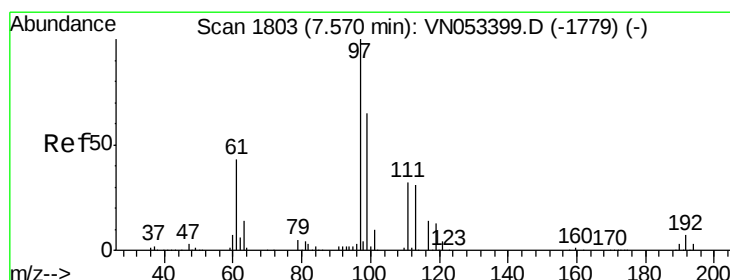
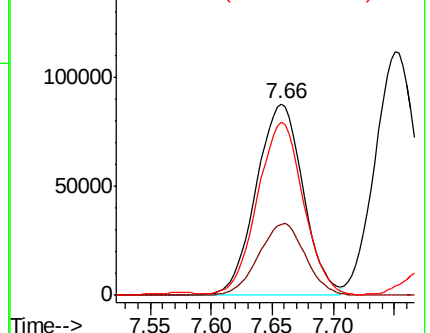
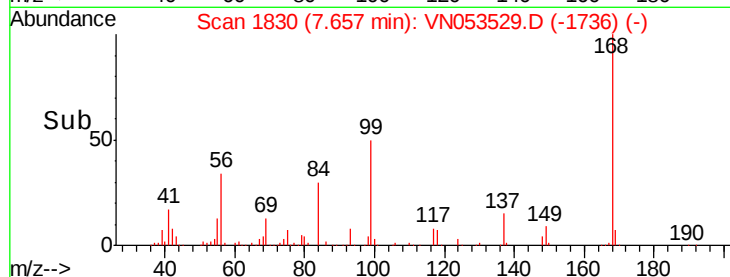
84 89.2 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.005 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

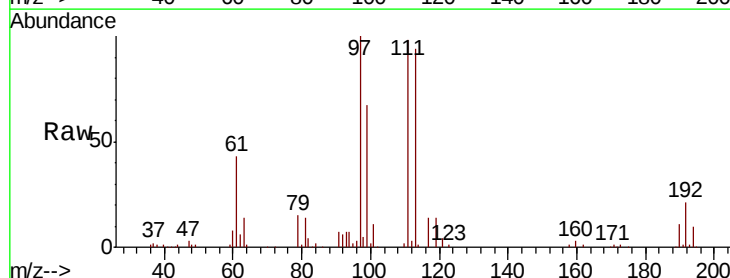
Tgt Ion: 97 Resp: 214348

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

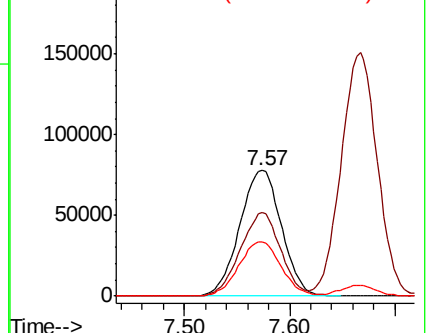
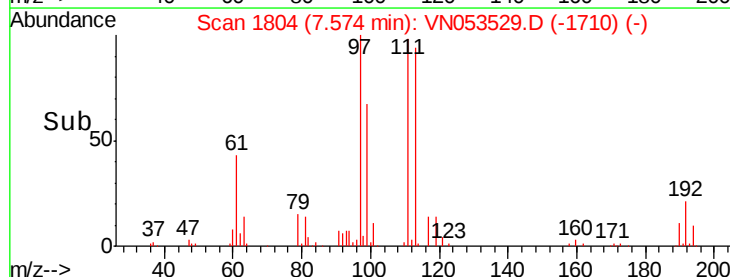
61 43.7 34.4 51.6

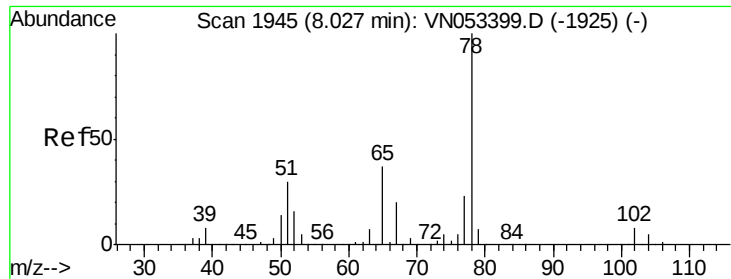


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

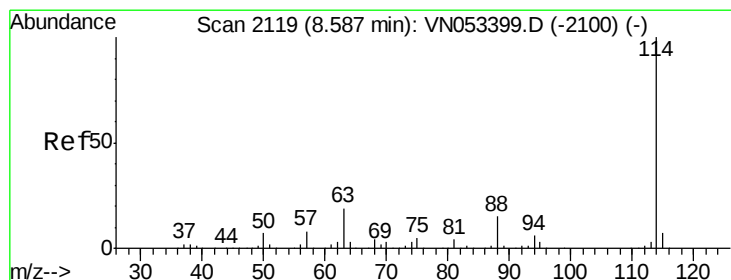
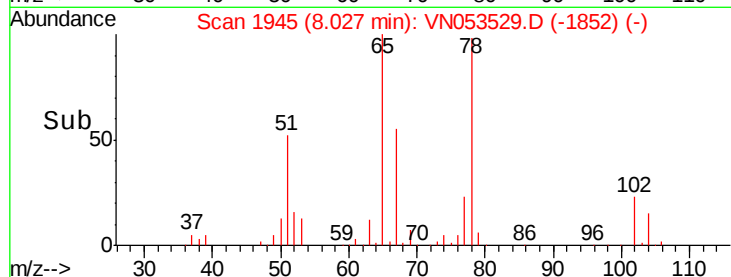
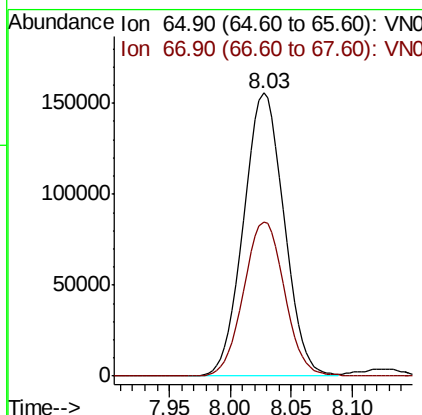
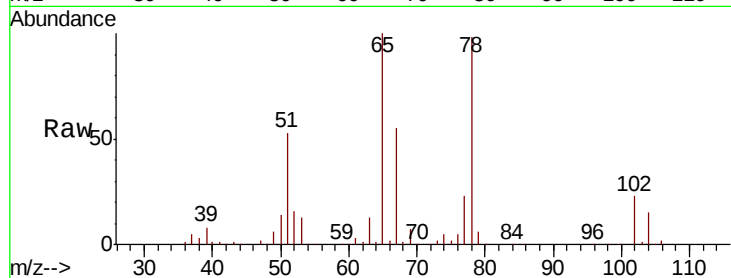




#33
 1,2-Dichloroethane-d4
 Concen: 20.005 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

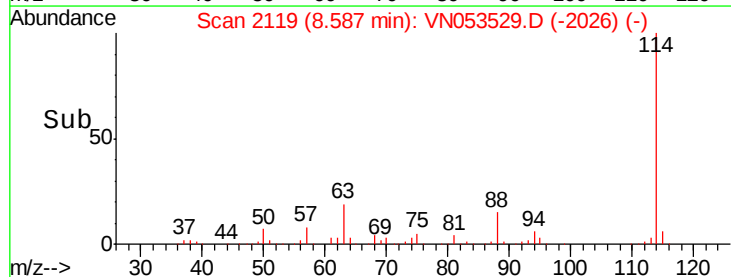
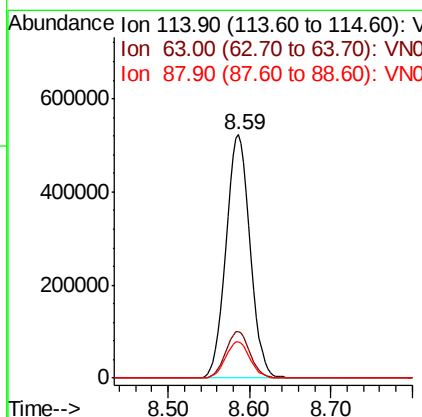
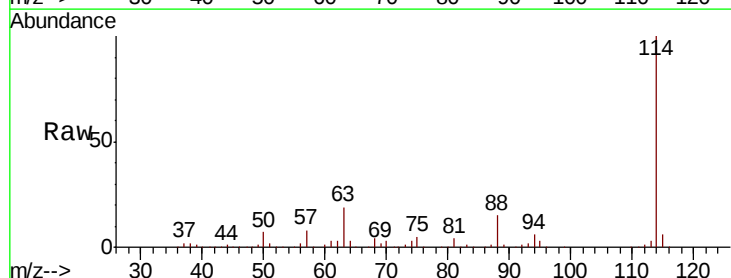
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

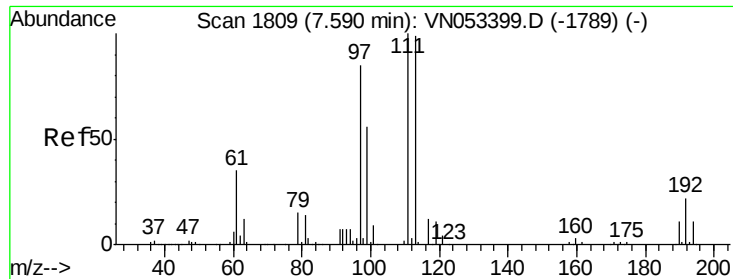
Tgt Ion: 65 Resp: 358299
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion: 114 Resp: 1091798
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.0 0.0 30.4

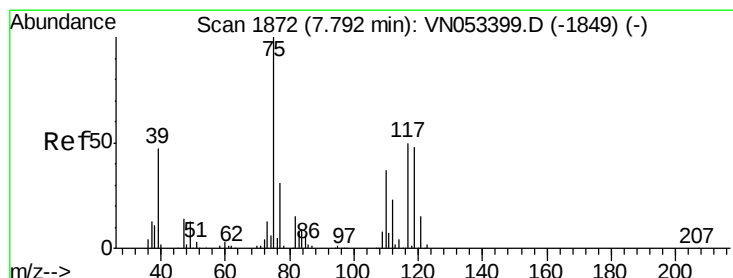
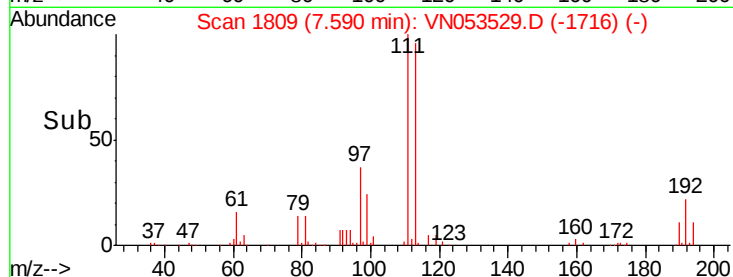
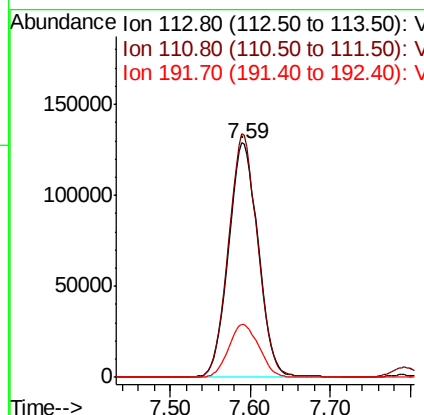
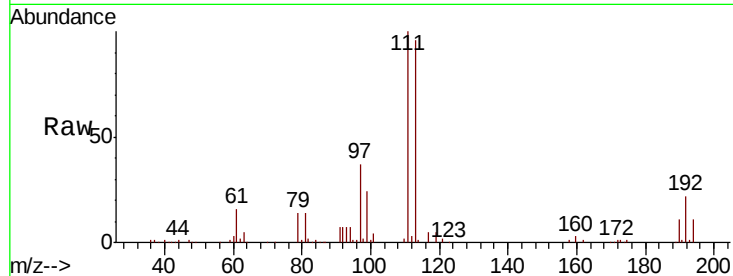




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

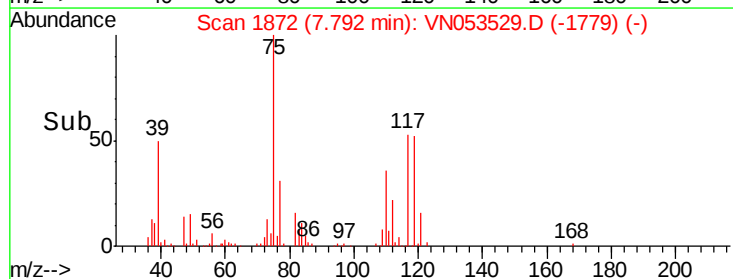
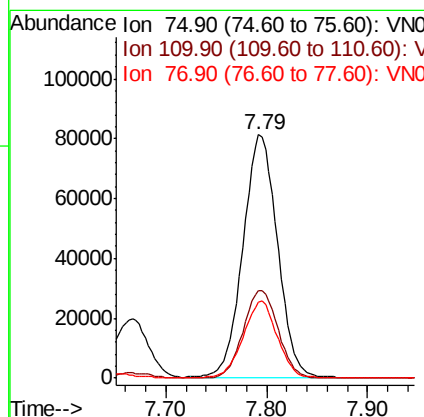
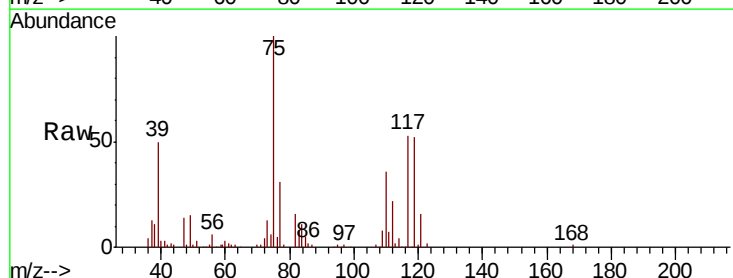
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

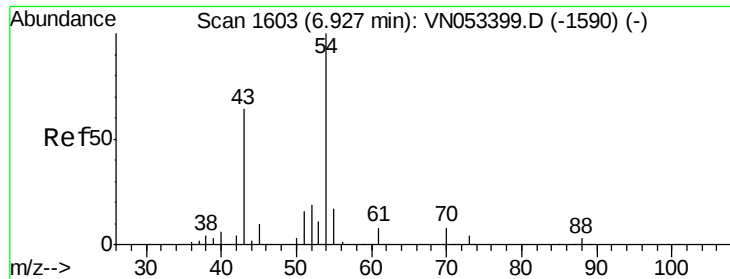
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	23.1	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 19.299 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.3
77	31.5	25.1	37.7

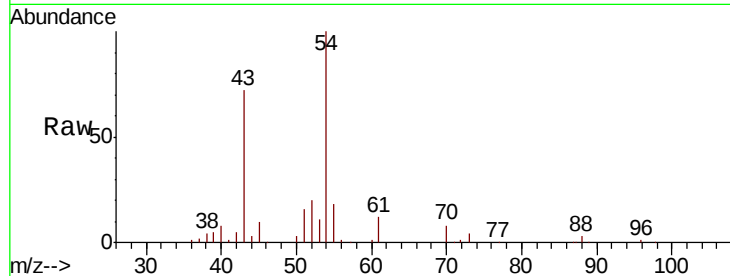




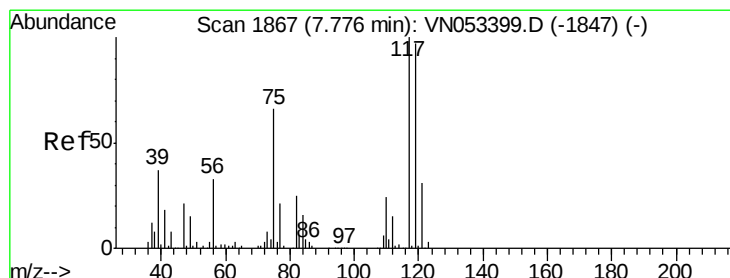
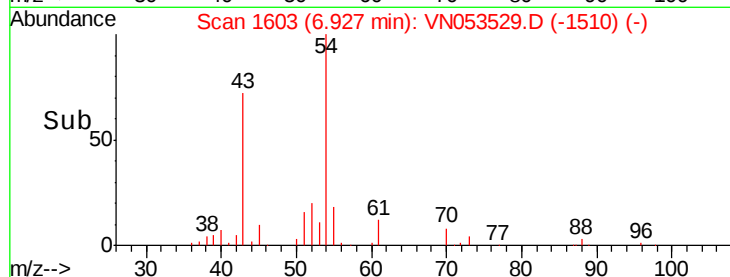
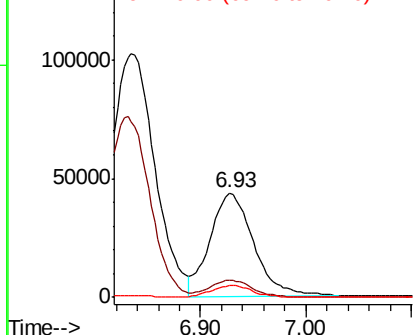
#37
Ethyl Acetate
Concen: 21.864 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion: 43 Resp: 125073
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 10.9 8.6 12.8

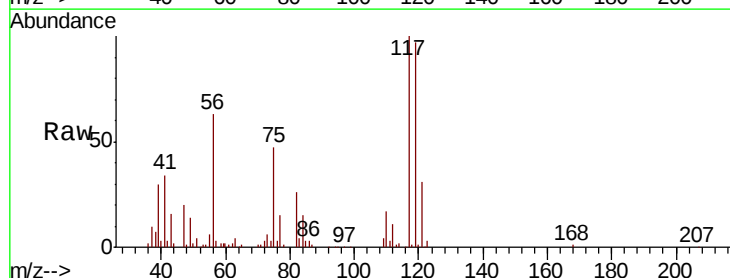


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

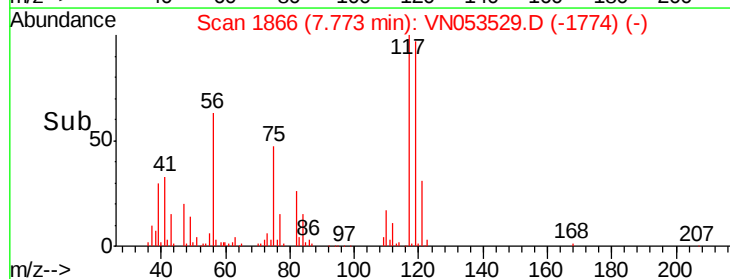
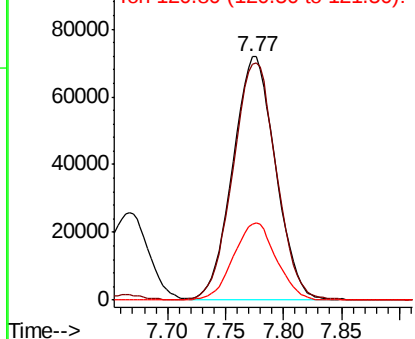


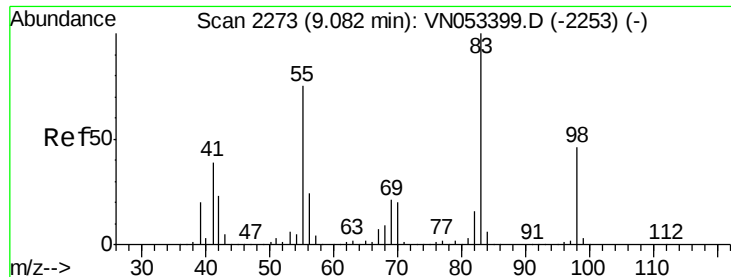
#38
Carbon Tetrachloride
Concen: 19.450 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 117 Resp: 183093
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 31.5 24.6 37.0



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

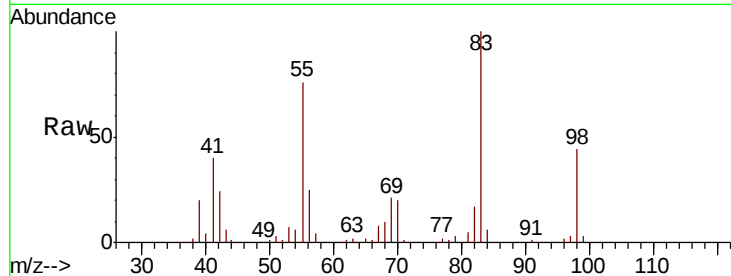




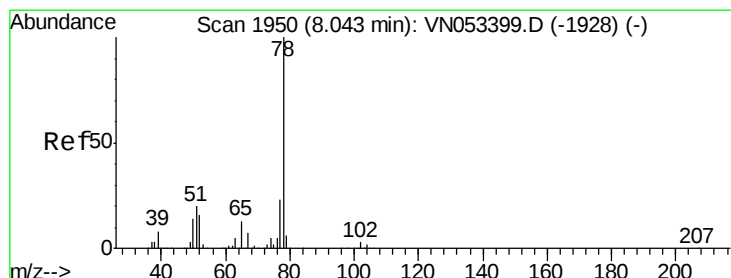
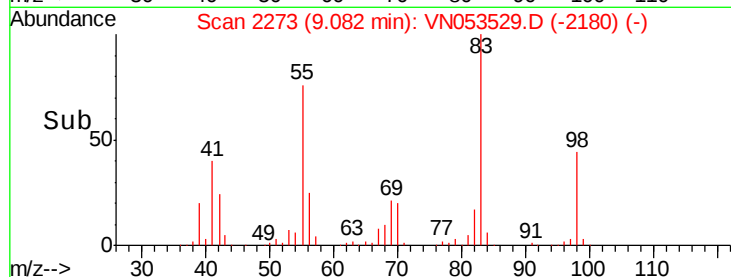
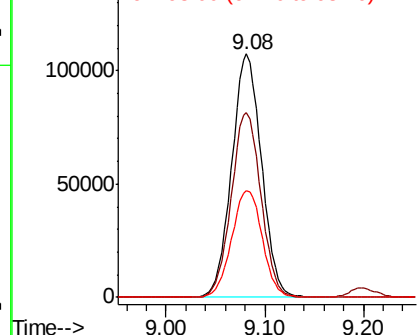
#39
Methylcyclohexane
Concen: 18.438 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion: 83 Resp: 226595
Ion Ratio Lower Upper
83 100
55 76.0 60.1 90.1
98 44.0 36.6 55.0

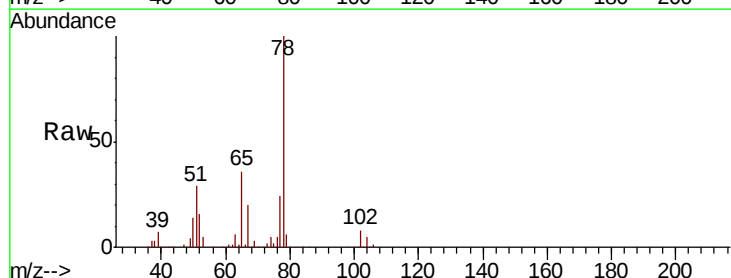


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

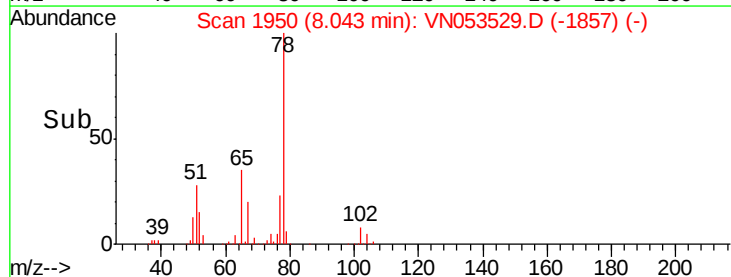
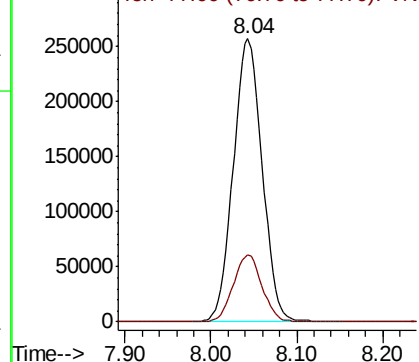


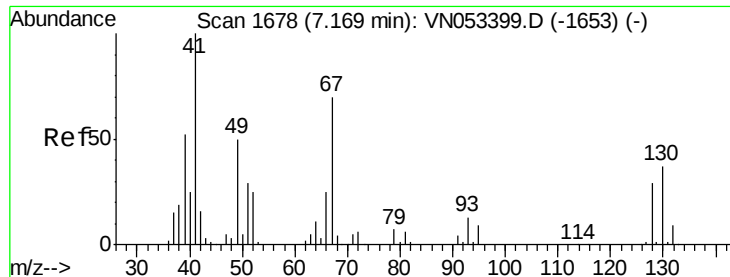
#40
Benzene
Concen: 19.844 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 78 Resp: 599590
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



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

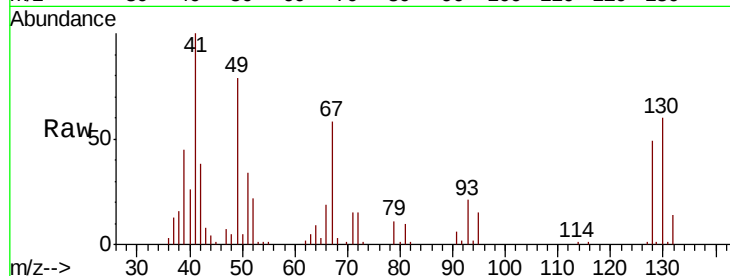




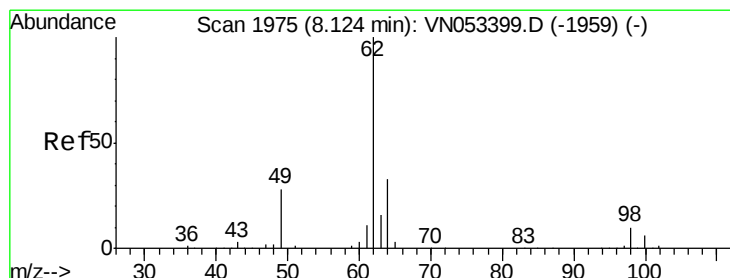
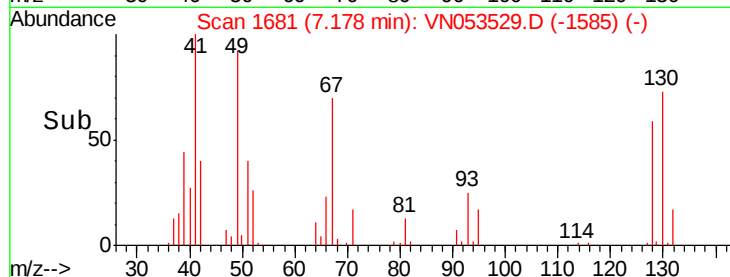
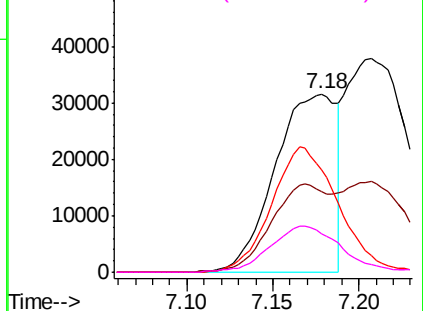
#41
Methacrylonitrile
Concen: 23.399 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion:	41	Resp:	78316
Ion	Ratio	Lower	Upper
41	100		
39	46.5	46.8	70.2#
67	76.4	63.0	94.6
52	30.1	23.8	35.8

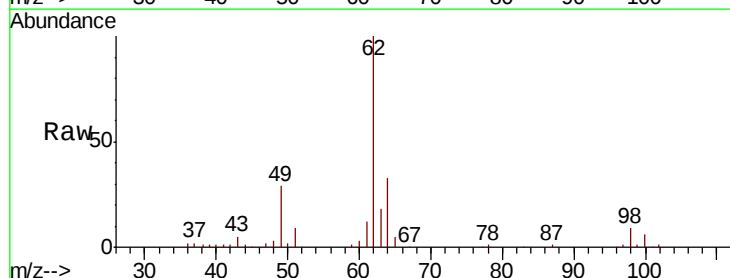


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

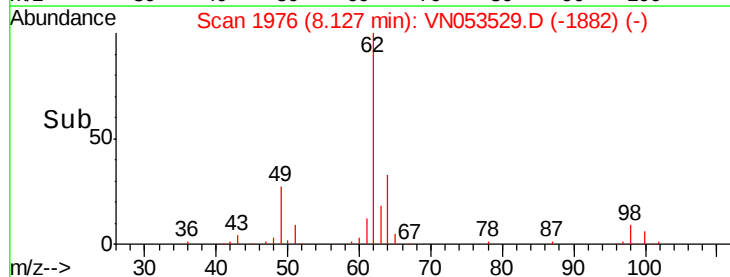
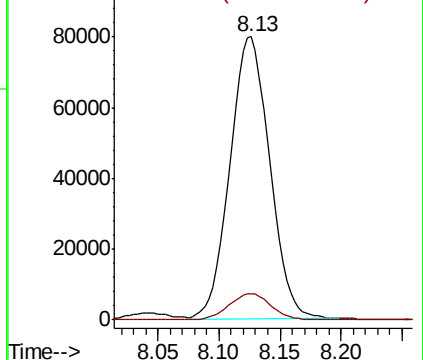


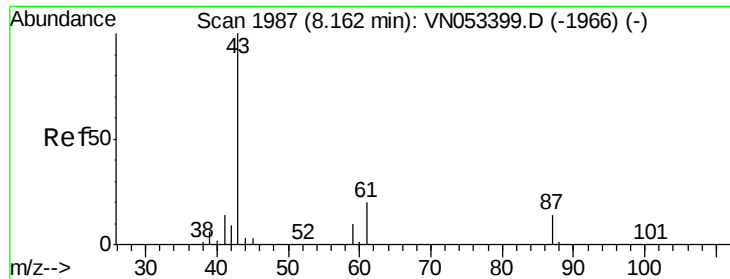
#42
1,2-Dichloroethane
Concen: 20.542 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion:	62	Resp:	180820
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.468 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

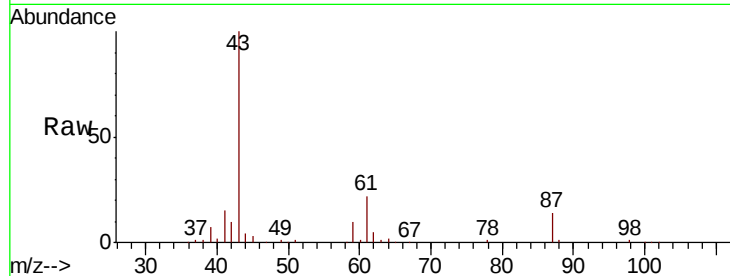
Tgt Ion: 43 Resp: 220824

Ion Ratio Lower Upper

43 100

61 30.0 23.9 35.9

87 13.9 11.0 16.6

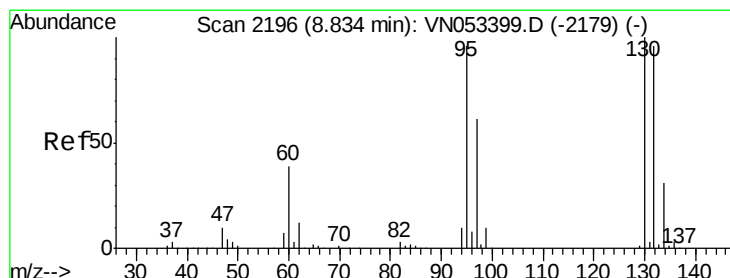
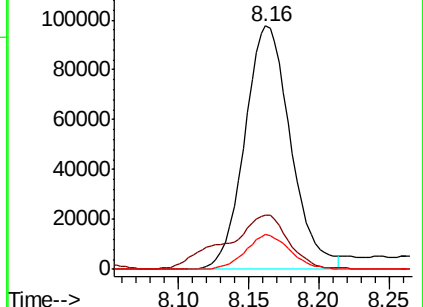
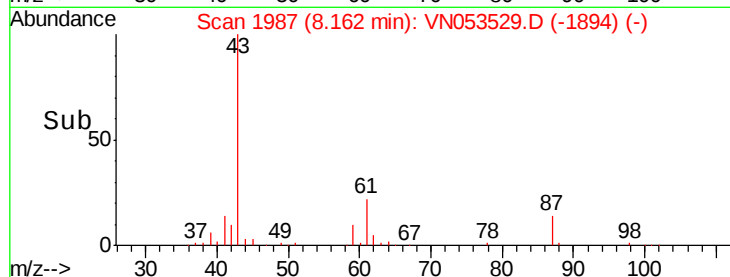


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 20.042 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053529.D

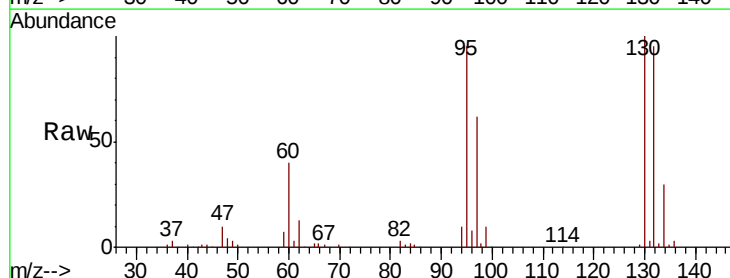
Acq: 23 Jan 2019 11:23

Tgt Ion: 130 Resp: 167938

Ion Ratio Lower Upper

130 100

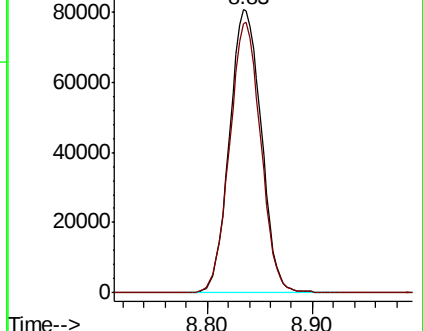
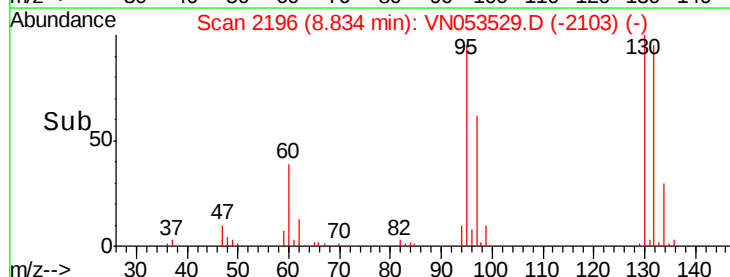
95 95.3 0.0 191.4

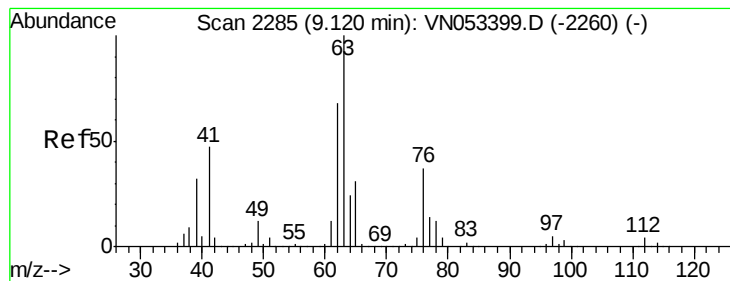


Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.127 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

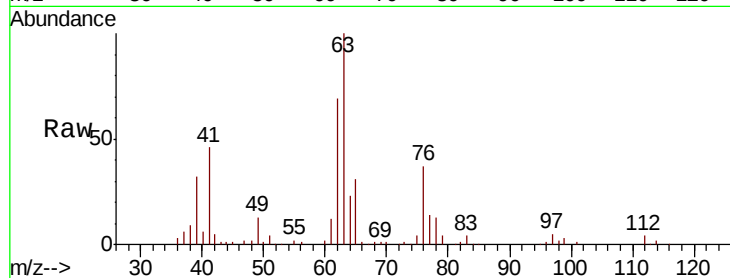
VN0123WBS01

Tgt Ion: 63 Resp: 161082

Ion Ratio Lower Upper

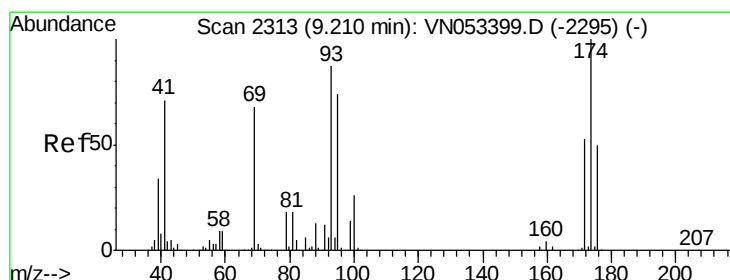
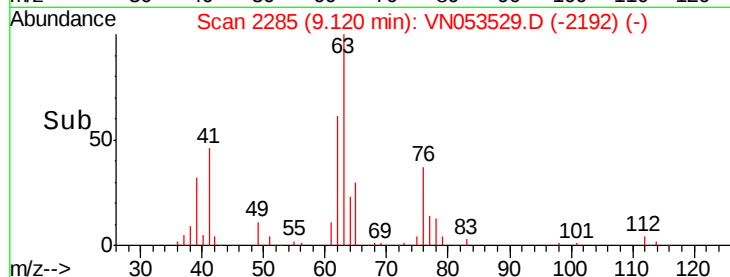
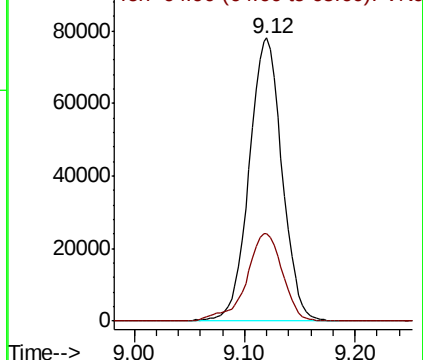
63 100

65 31.1 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.588 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

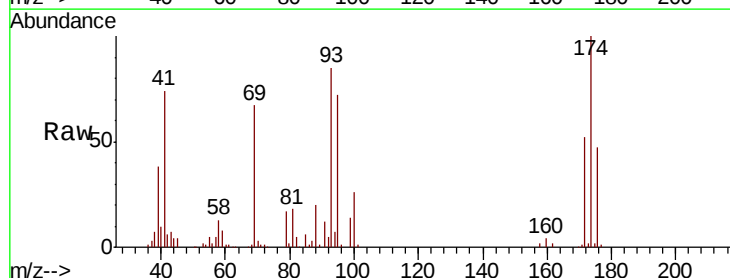
Tgt Ion: 93 Resp: 94668

Ion Ratio Lower Upper

93 100

95 83.2 67.3 100.9

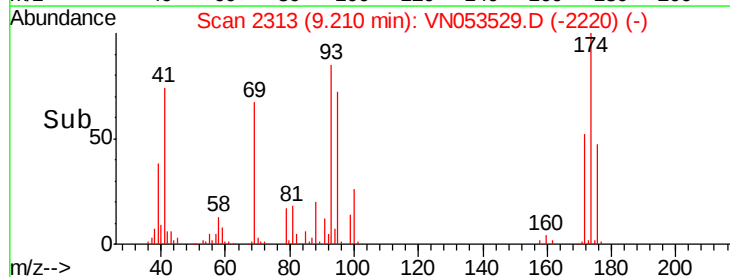
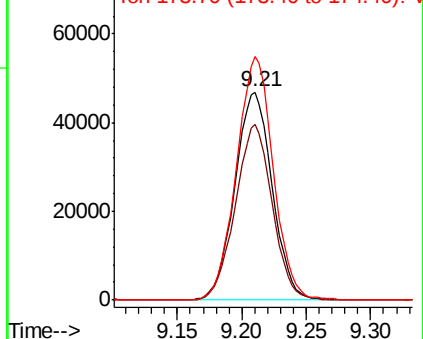
174 115.7 91.0 136.4

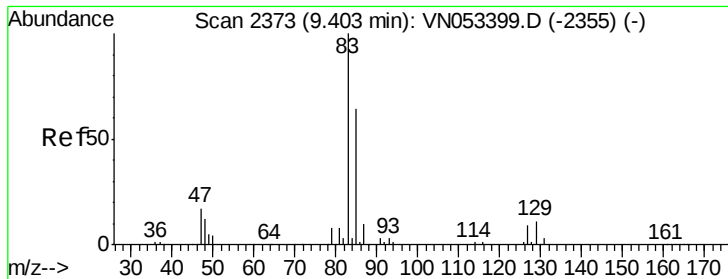


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.199 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

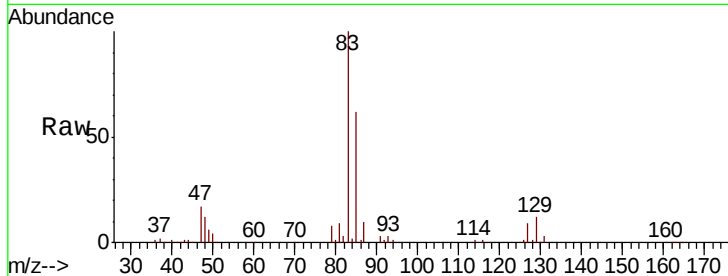
Tgt Ion: 83 Resp: 195322

Ion Ratio Lower Upper

83 100

85 62.4 51.0 76.6

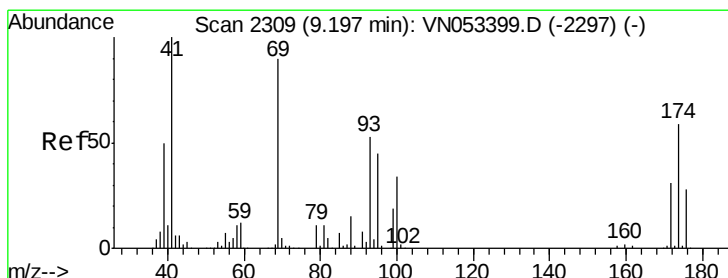
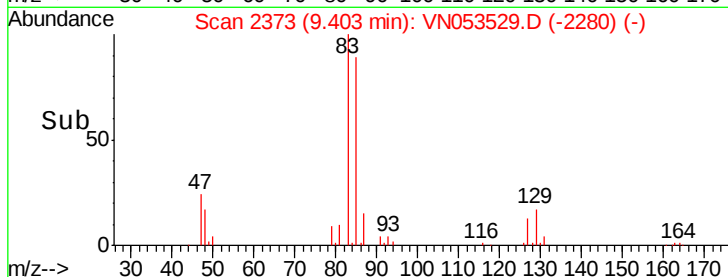
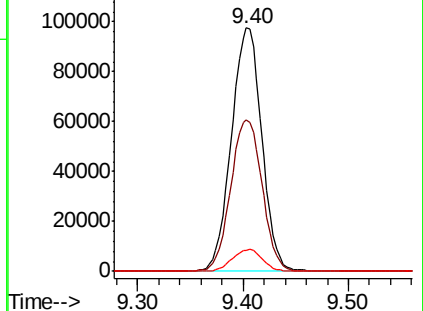
127 8.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.902 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

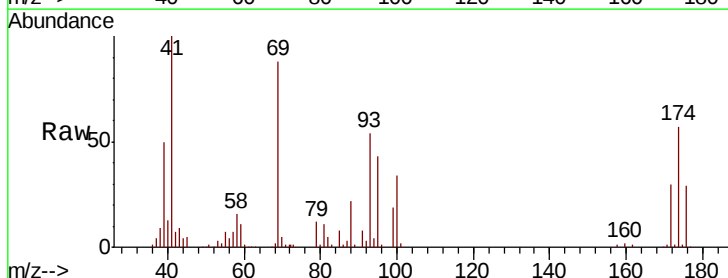
Tgt Ion: 41 Resp: 111012

Ion Ratio Lower Upper

41 100

69 92.5 73.8 110.6

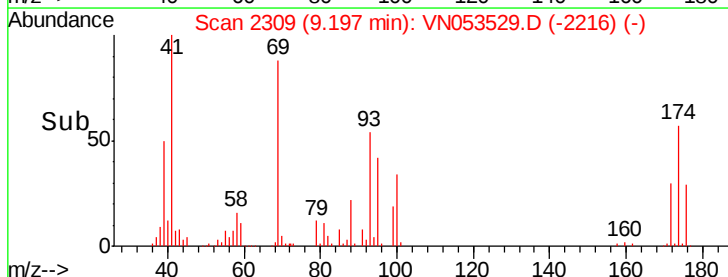
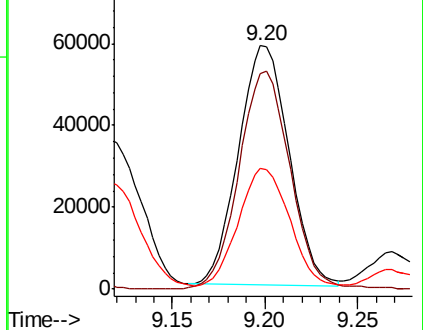
39 51.6 40.0 60.0

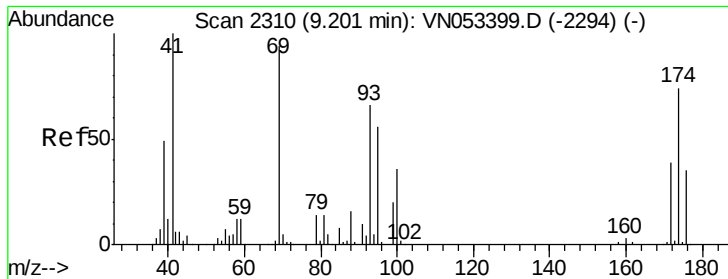


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 560.431 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

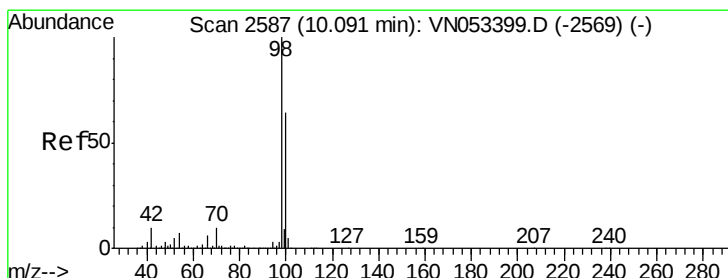
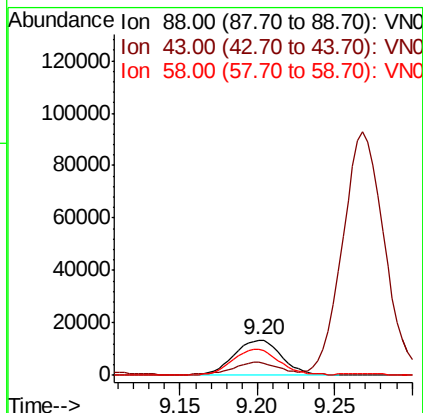
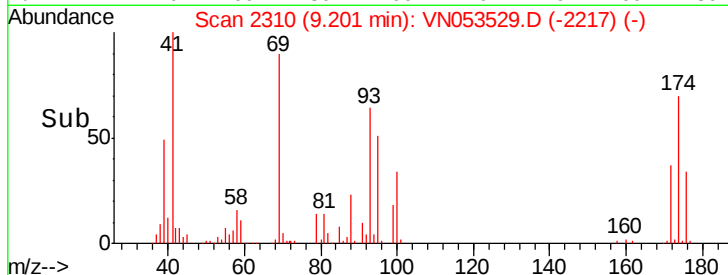
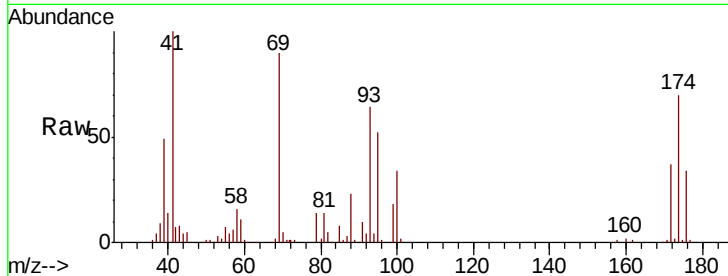
Tgt Ion: 88 Resp: 29069

Ion Ratio Lower Upper

88 100

43 32.5 27.8 41.6

58 72.1 56.5 84.7



#50

Toluene-d8

Concen: 560.431 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053529.D

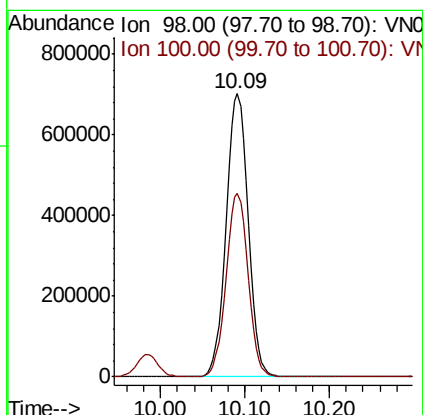
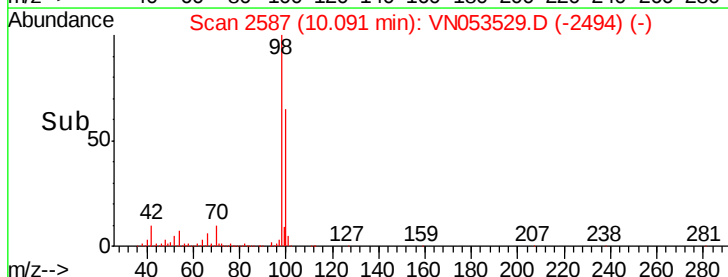
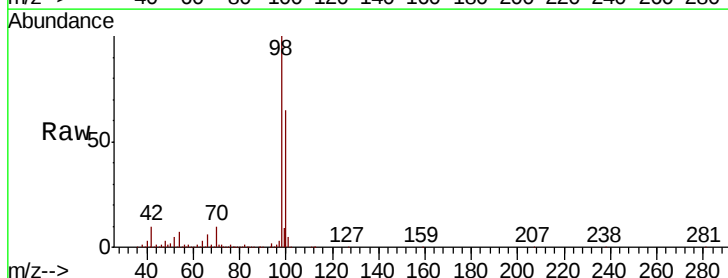
Acq: 23 Jan 2019 11:23

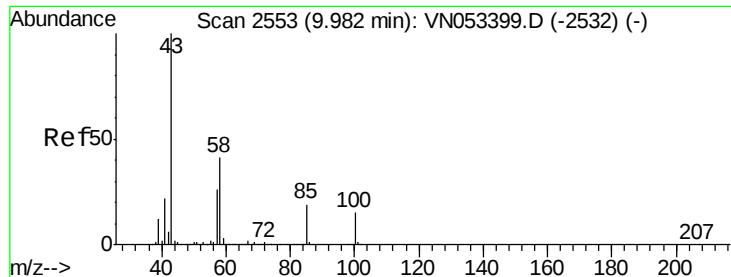
Tgt Ion: 98 Resp: 1272827

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

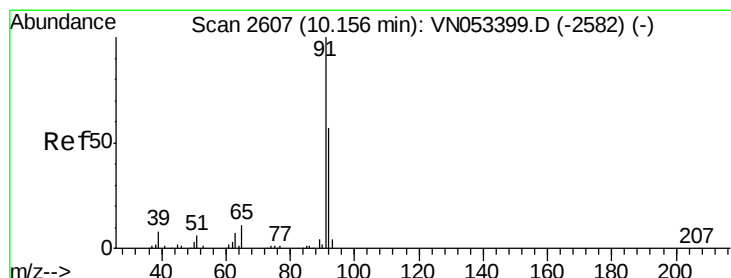
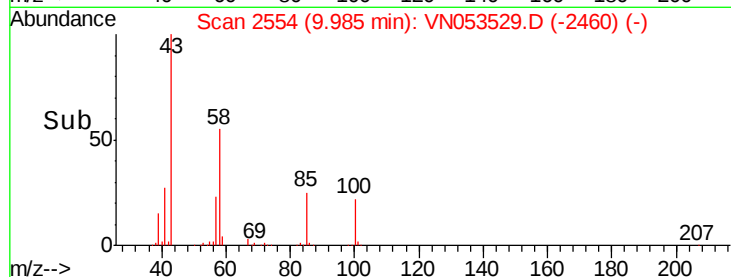
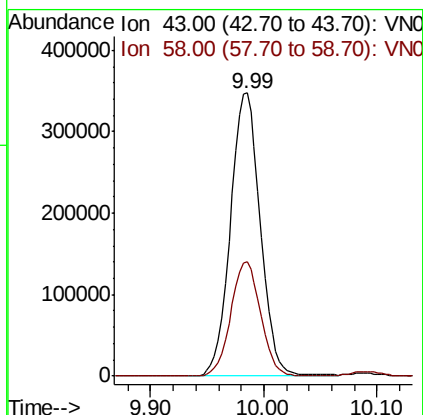
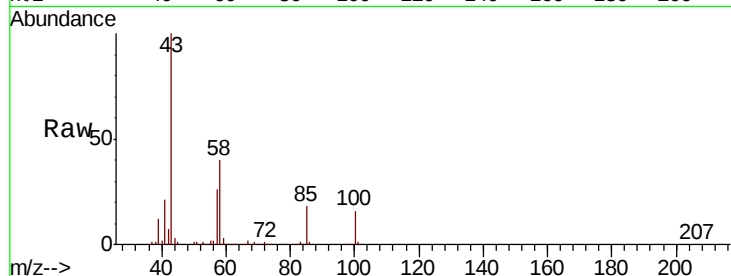




#51
4-Methyl-2-Pentanone
Concen: 113.193 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

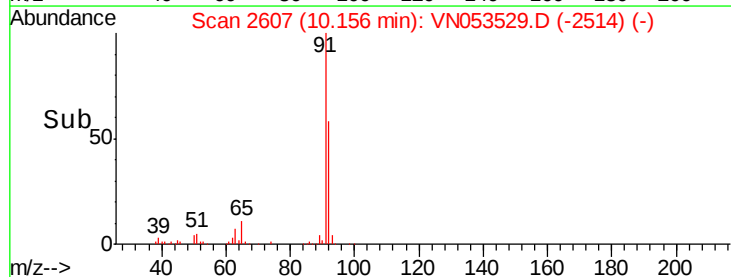
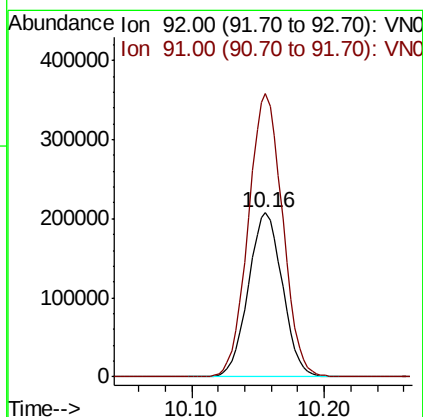
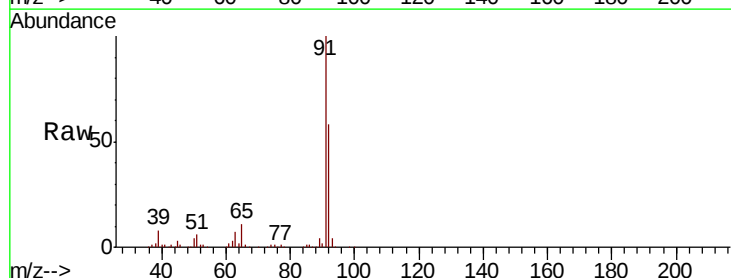
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

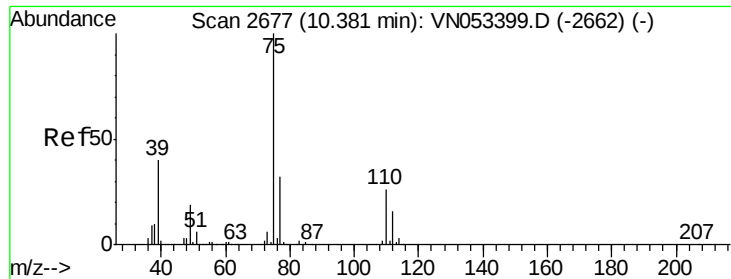
Tgt Ion: 43 Resp: 635603
Ion Ratio Lower Upper
43 100
58 40.6 32.8 49.2



#52
Toluene
Concen: 19.794 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 92 Resp: 371303
Ion Ratio Lower Upper
92 100
91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.258 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

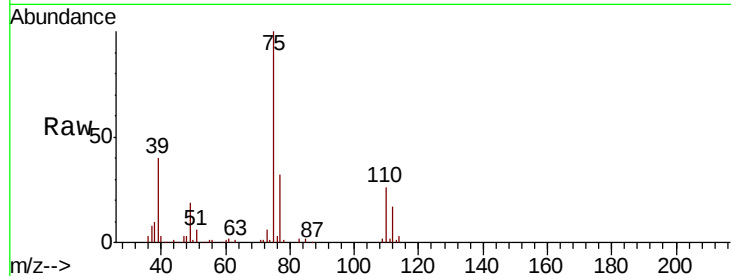
VN0123WBS01

Tgt Ion: 75 Resp: 198555

Ion Ratio Lower Upper

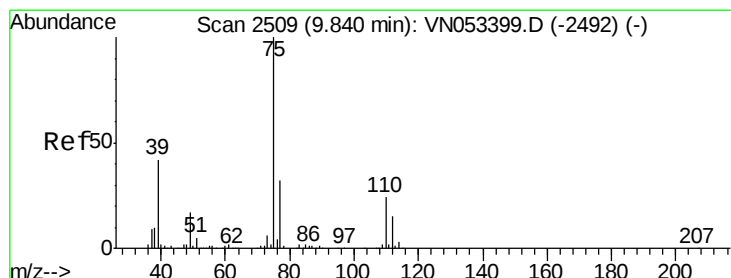
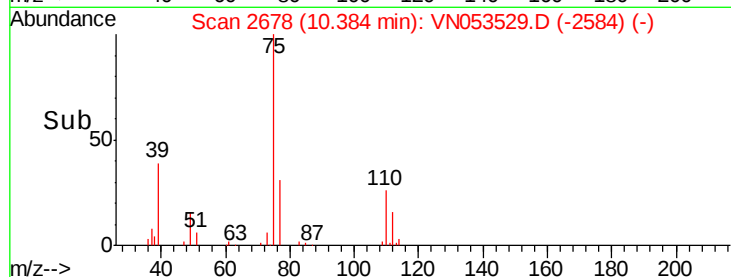
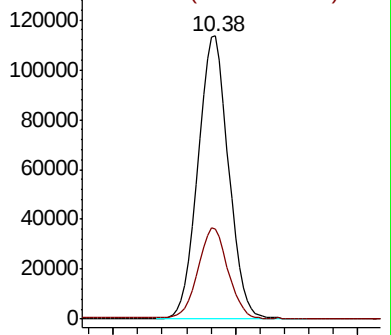
75 100

77 31.7 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.132 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

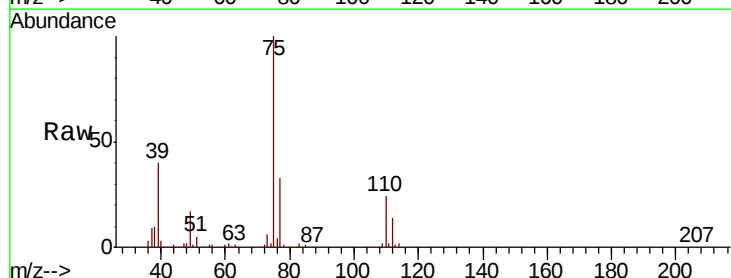
Tgt Ion: 75 Resp: 231313

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.6

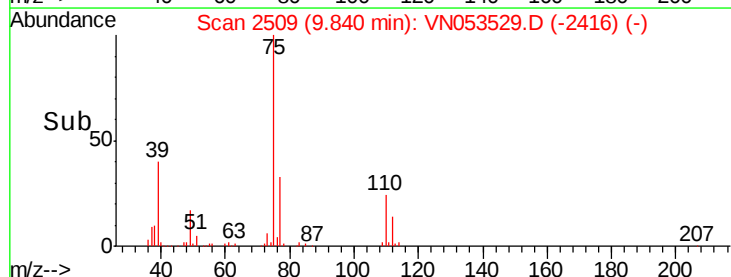
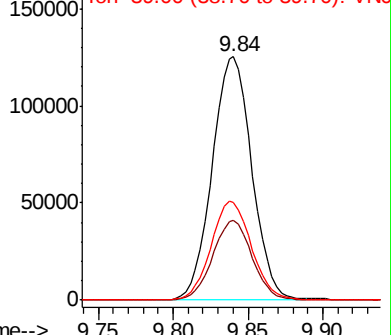
39 40.1 33.4 50.0

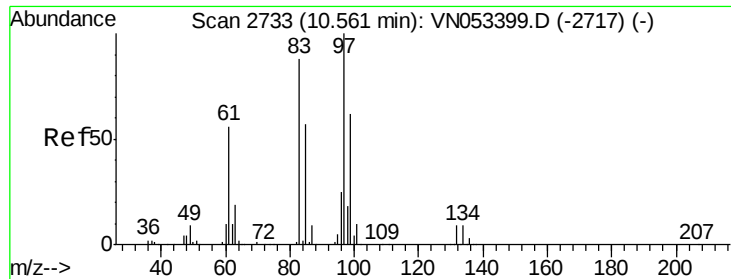


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

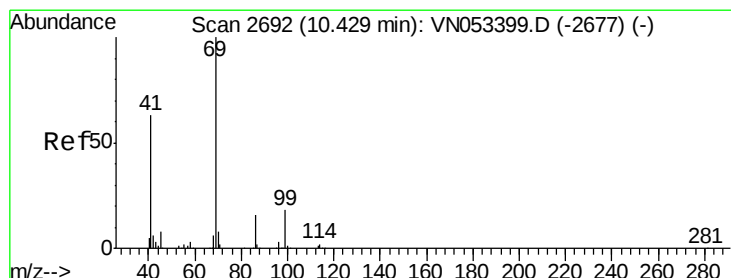
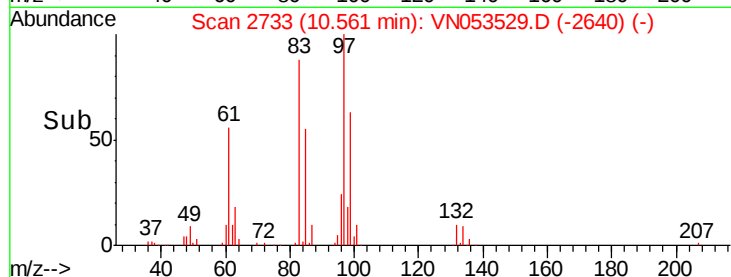
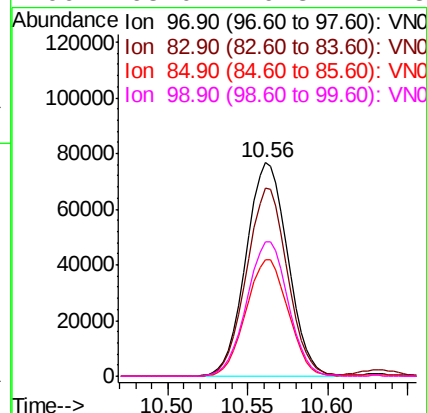
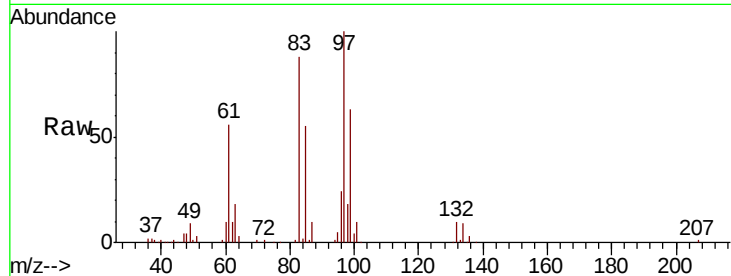




#55
 1,1,2-Trichloroethane
 Concen: 21.225 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

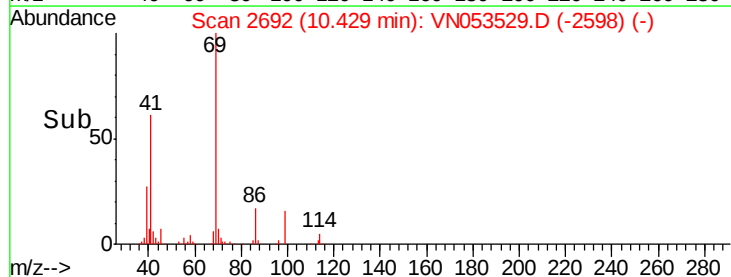
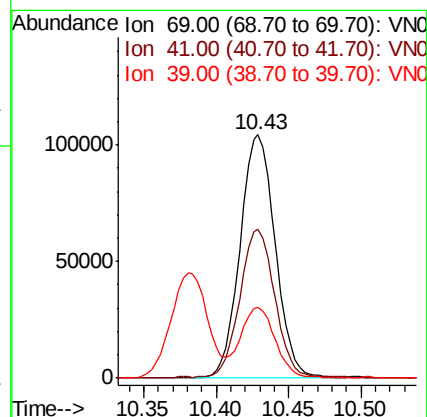
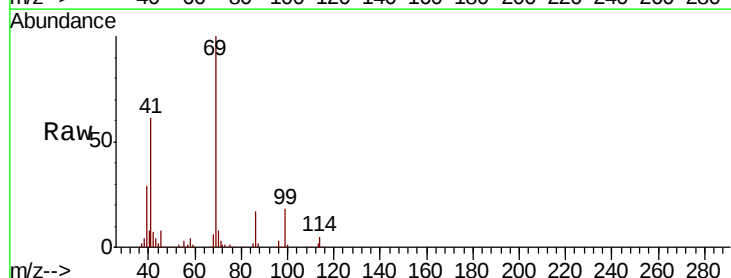
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

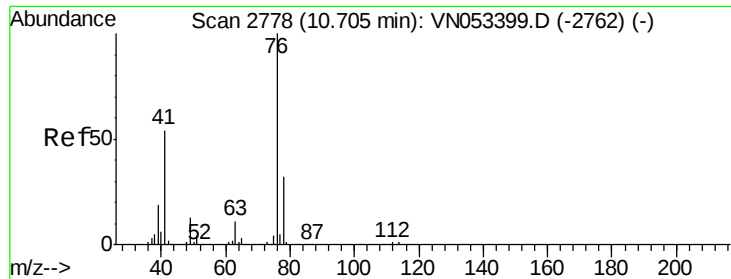
Tgt Ion:	97	Resp:	137268
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.1	105.1
85	54.7	45.4	68.0
99	63.0	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 20.461 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion:	69	Resp:	176156
Ion	Ratio	Lower	Upper
69	100		
41	60.2	49.4	74.0
39	28.2	23.3	34.9





#57

1,3-Dichloropropane

Concen: 20.807 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

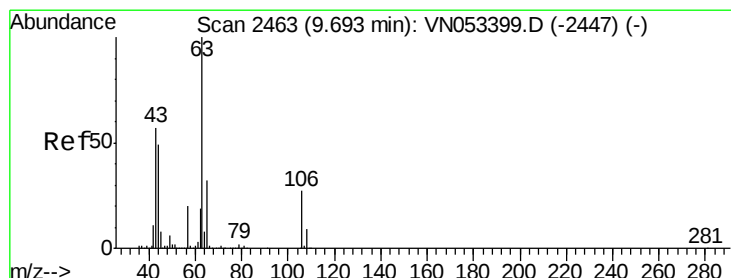
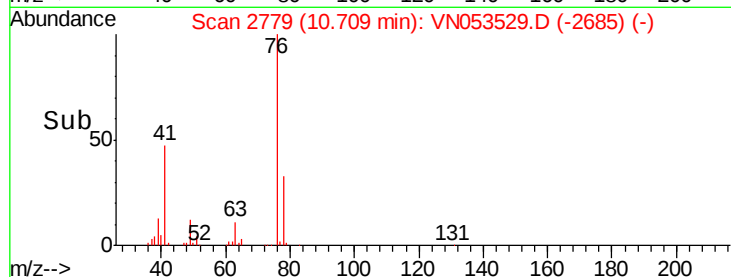
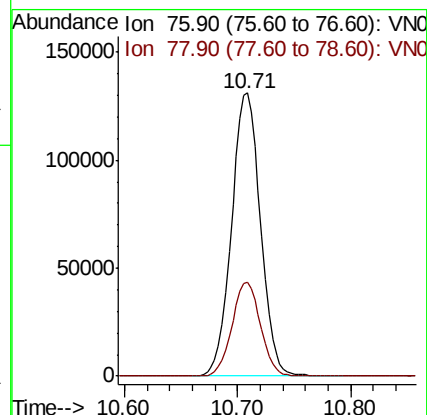
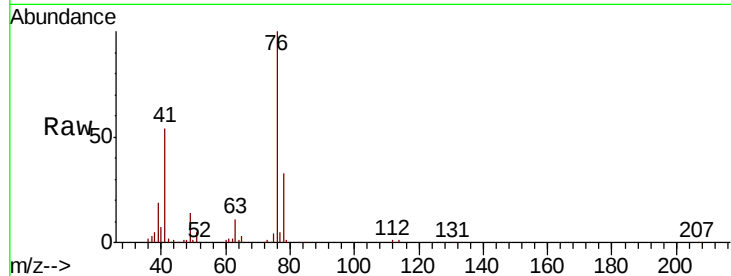
VN0123WBS01

Tgt Ion: 76 Resp: 232784

Ion Ratio Lower Upper

76 100

78 32.7 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 100.455 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053529.D

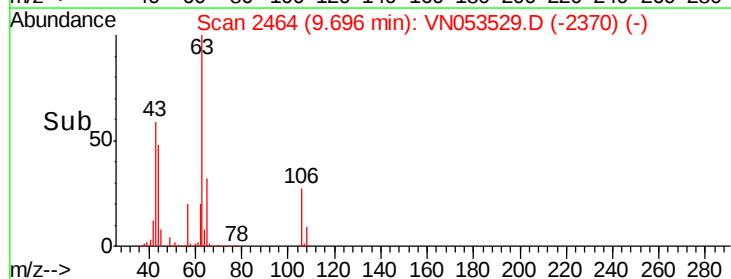
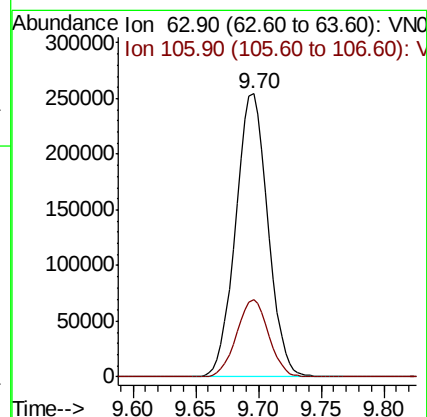
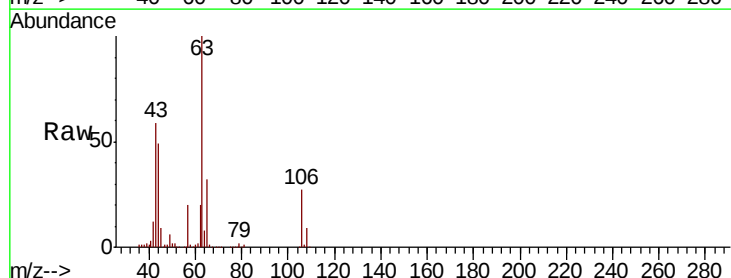
Acq: 23 Jan 2019 11:23

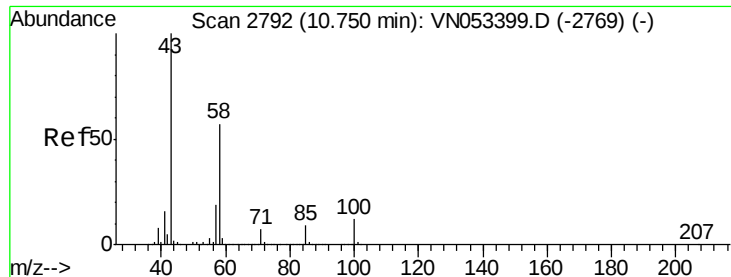
Tgt Ion: 63 Resp: 454497

Ion Ratio Lower Upper

63 100

106 27.1 21.5 32.3

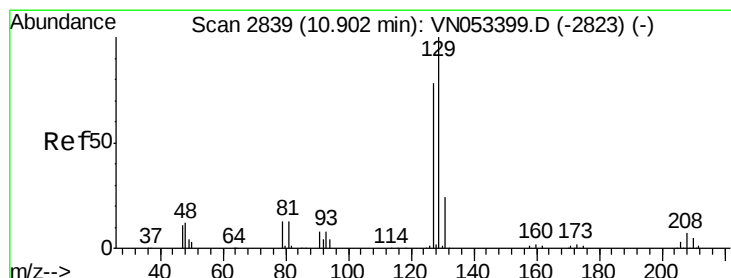
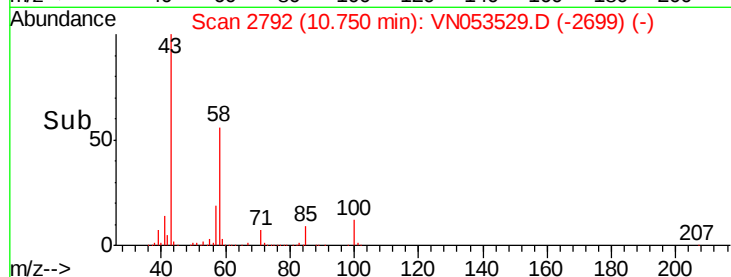
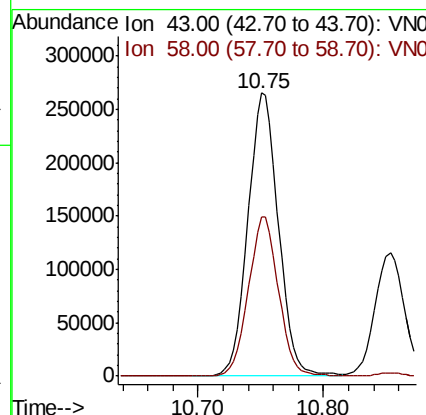
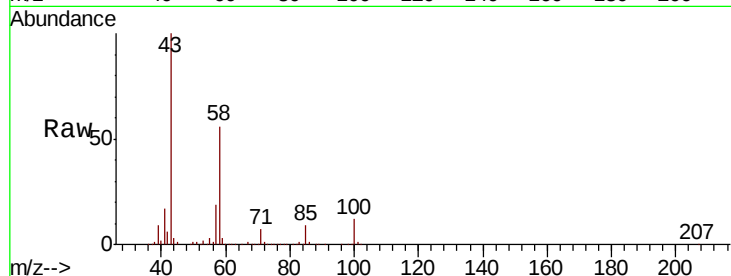




#59
2-Hexanone
Concen: 113.358 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

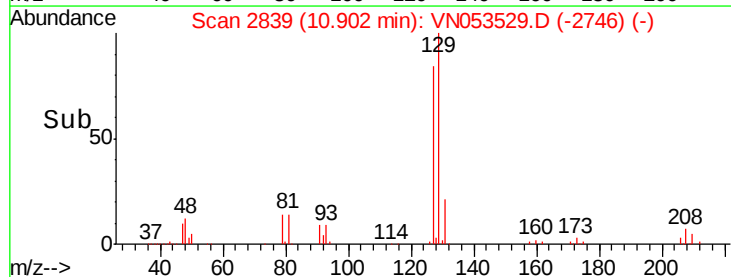
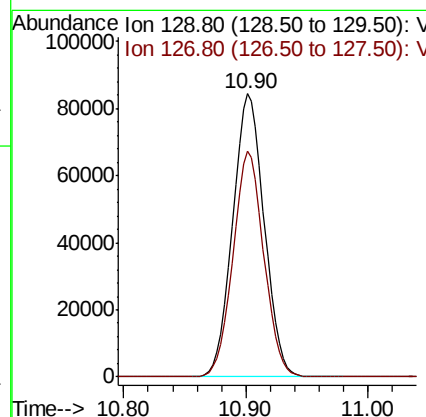
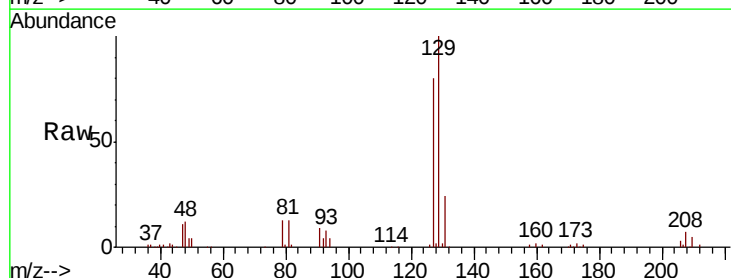
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

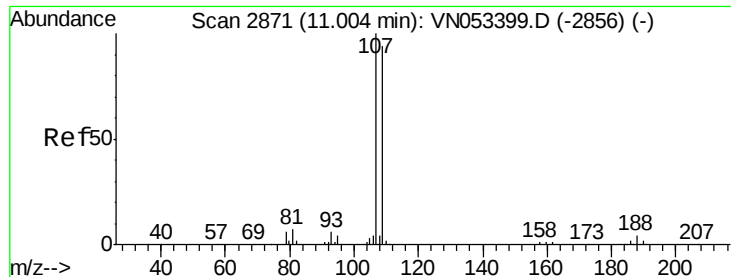
Tgt Ion: 43 Resp: 446837
Ion Ratio Lower Upper
43 100
58 55.9 28.6 85.8



#60
Dibromochloromethane
Concen: 20.696 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 129 Resp: 151812
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8

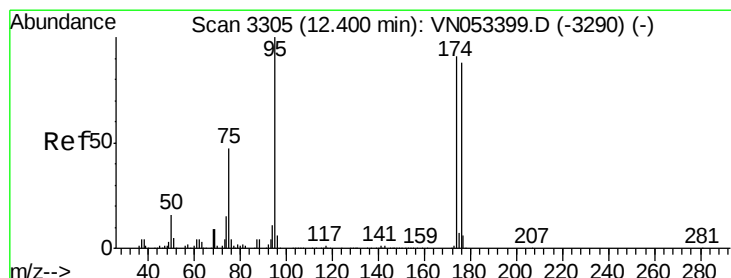
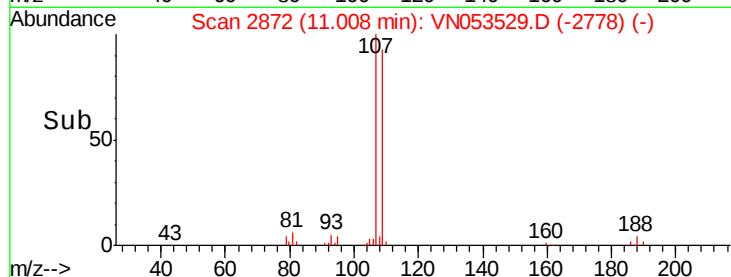
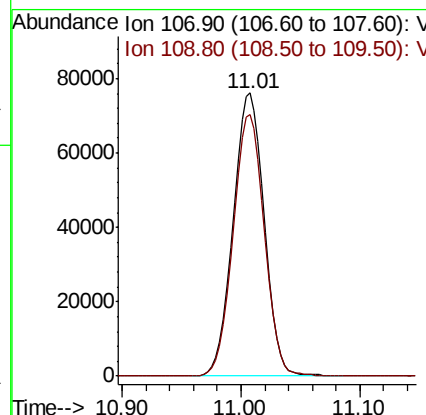
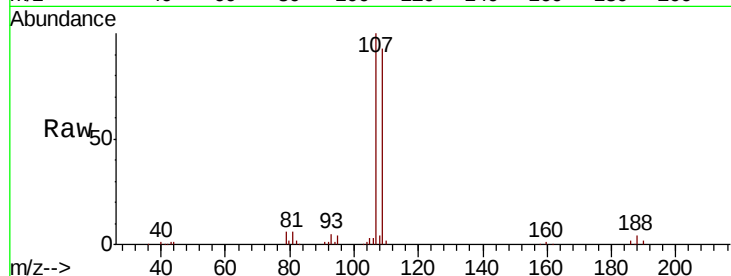




#61
 1,2-Dibromoethane
 Concen: 20.986 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

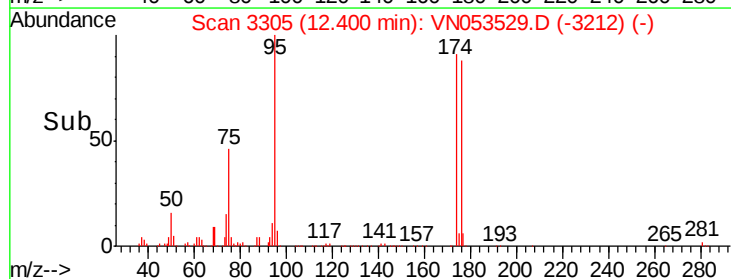
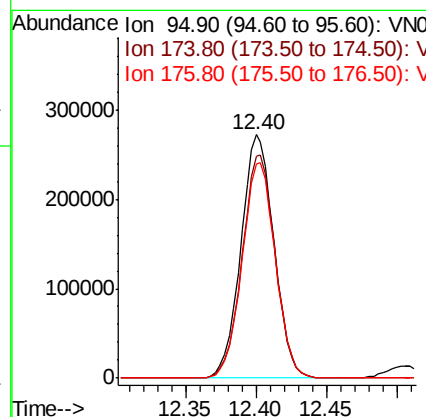
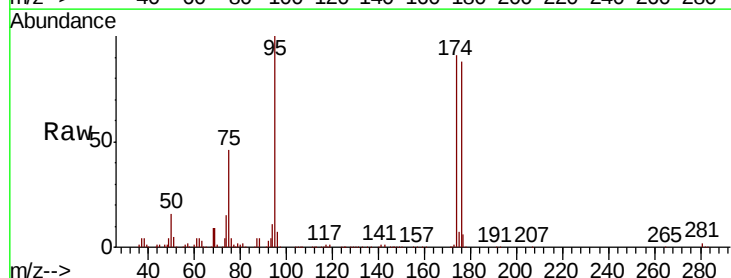
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

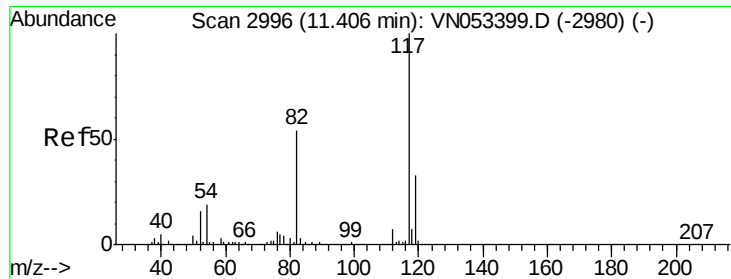
Tgt Ion: 107 Resp: 137261
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 20.986 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion: 95 Resp: 445279
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 183.2
 176 89.3 0.0 177.4

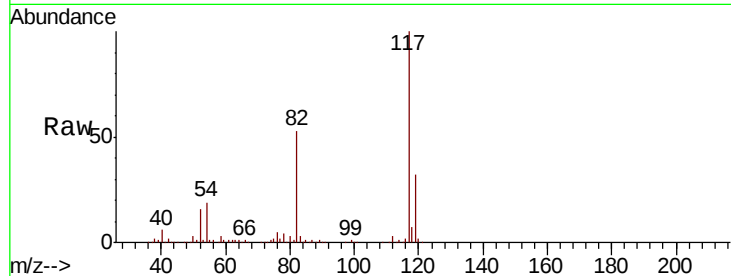




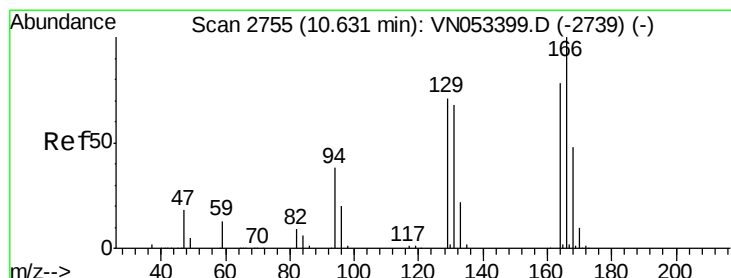
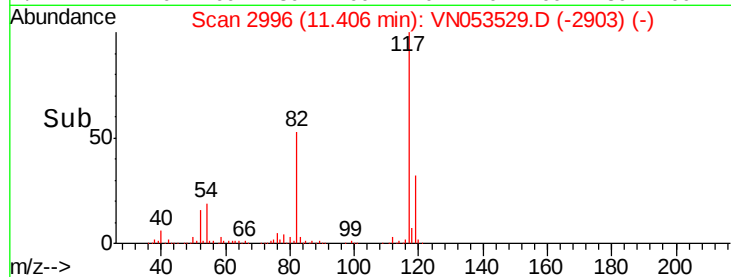
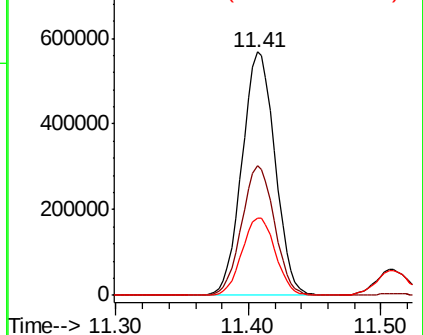
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.9	64.3
119	31.9	26.0	39.0



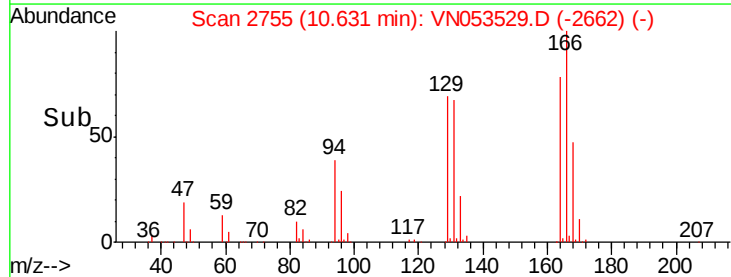
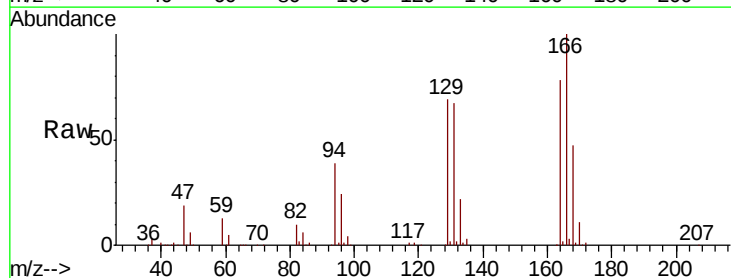
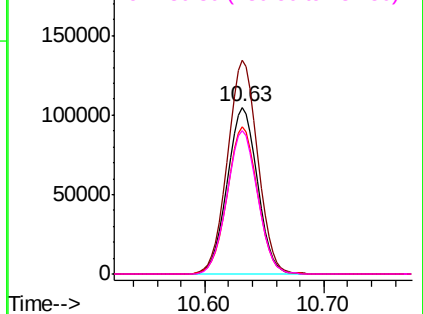
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

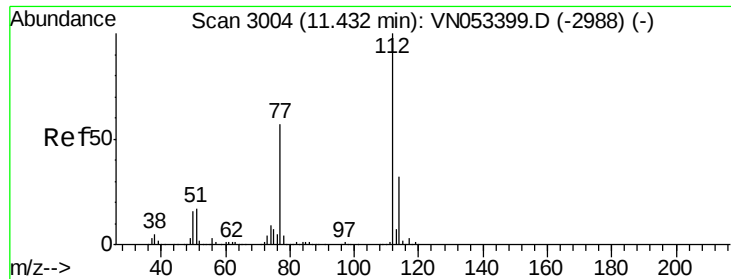


#64
Tetrachloroethene
Concen: 19.878 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.2	153.4
129	88.2	72.6	109.0
131	86.4	69.5	104.3

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

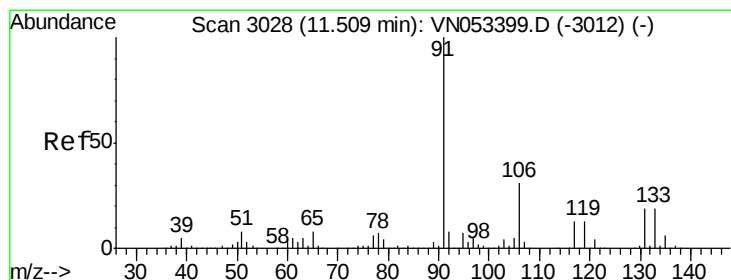
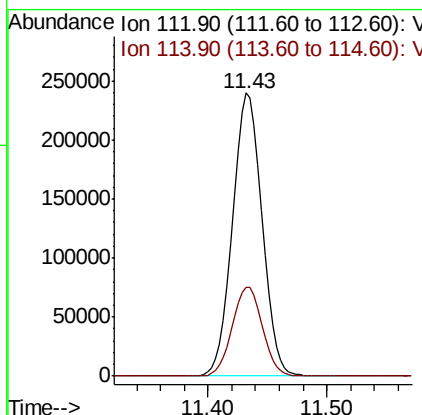
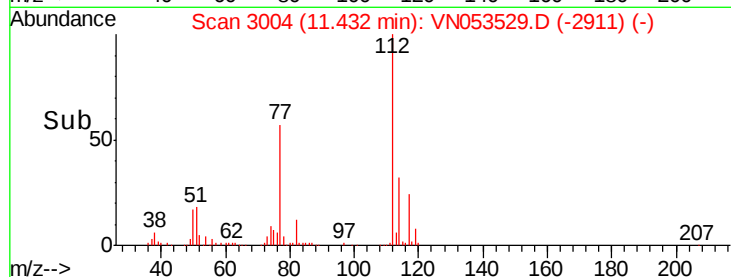
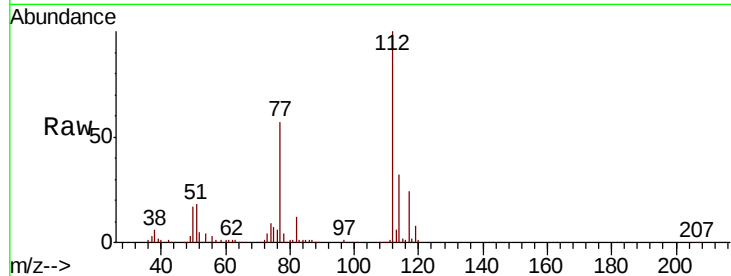




#65
Chlorobenzene
Concen: 19.760 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

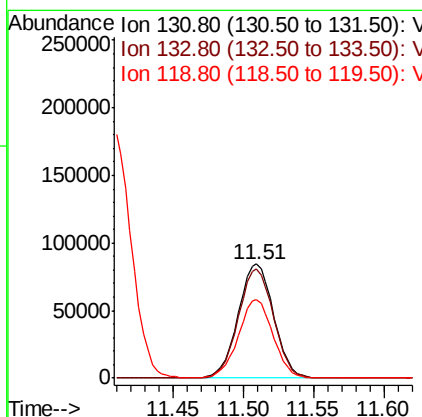
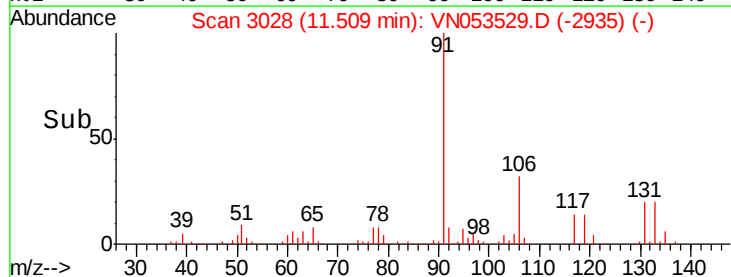
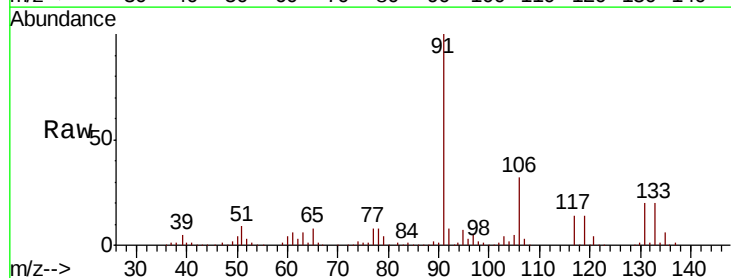
Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

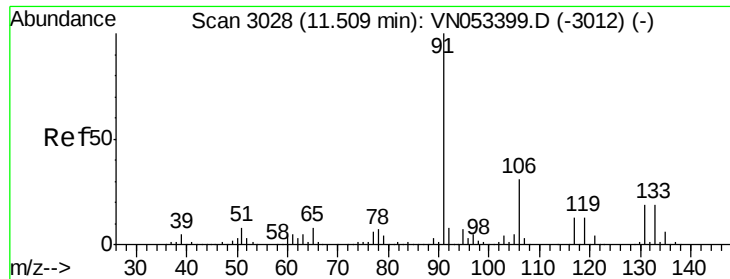
Tgt Ion:112 Resp: 412233
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.529 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion:131 Resp: 148993
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 67.2 33.5 100.5

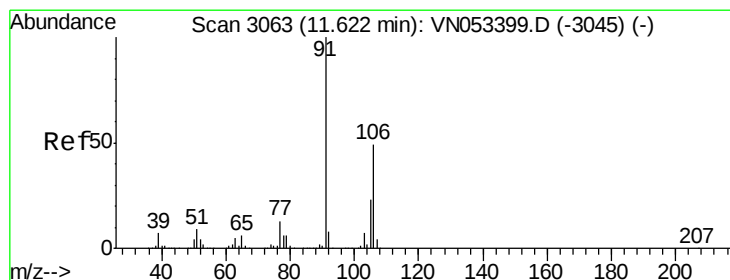
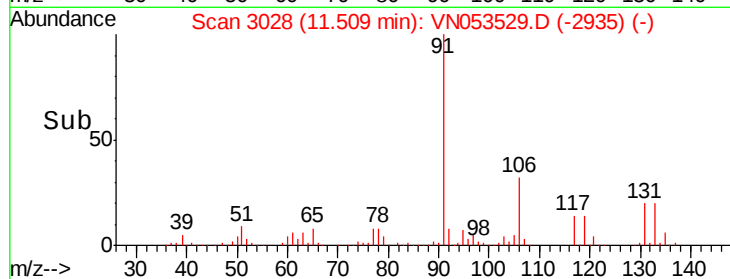
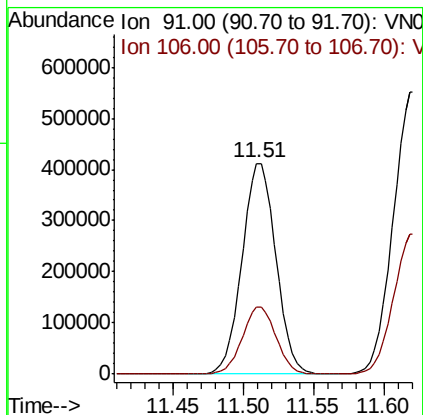
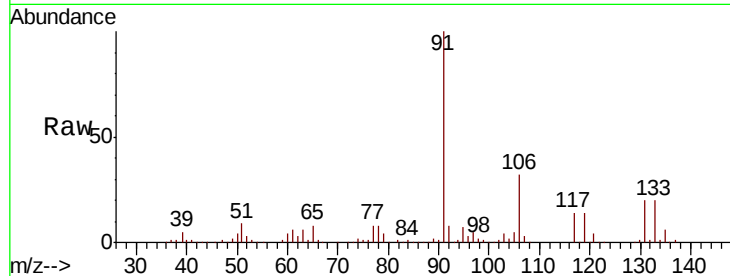




#67
Ethyl Benzene
Concen: 19.504 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

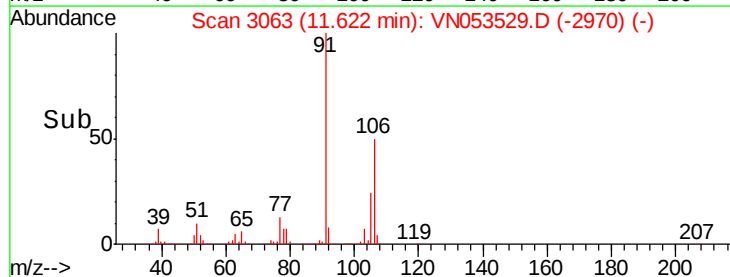
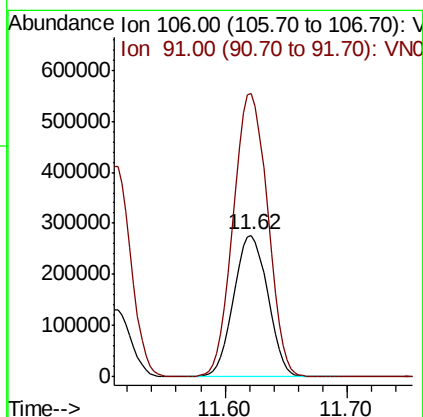
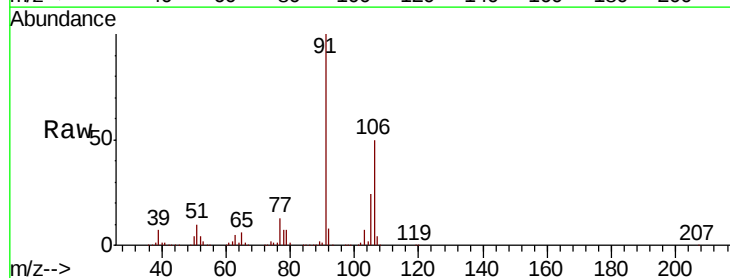
Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

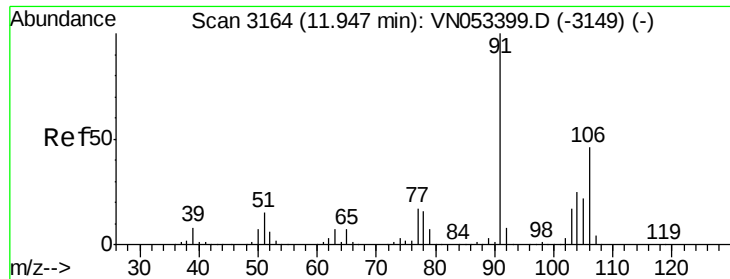
Tgt Ion: 91 Resp: 693460
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.6



#68
m/p-Xylenes
Concen: 40.015 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 106 Resp: 537150
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.2

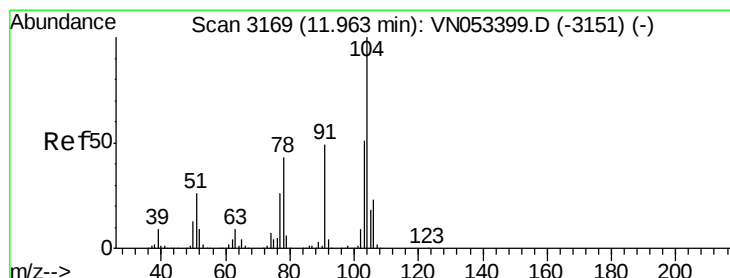
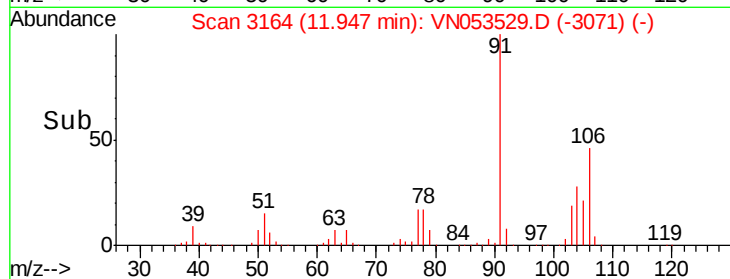
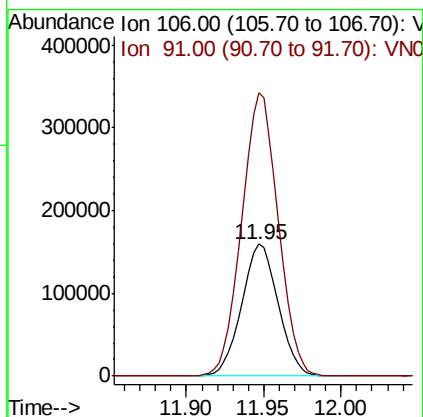
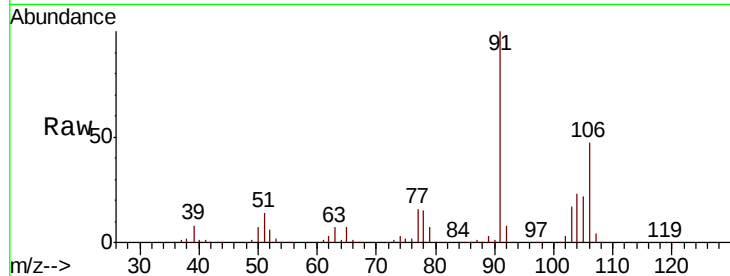




#69
o-Xylene
Concen: 20.118 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

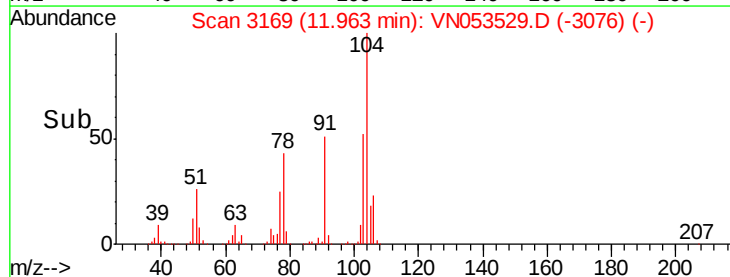
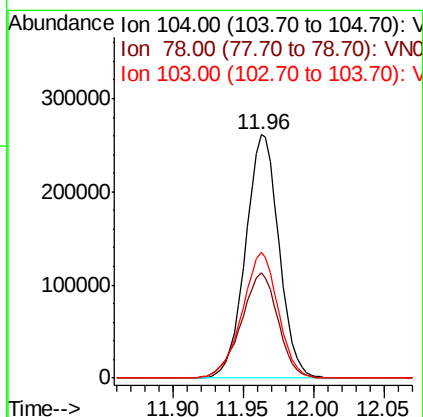
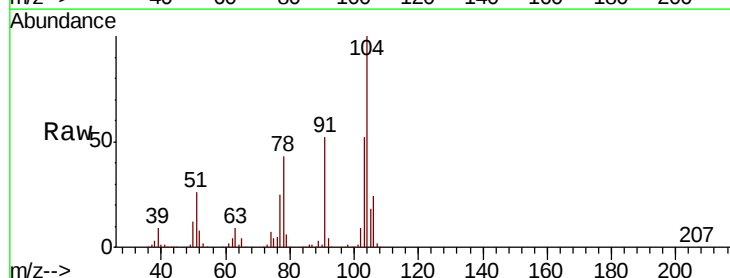
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

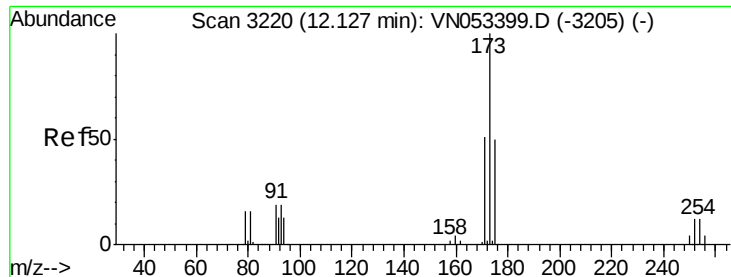
Tgt Ion:106 Resp: 262409
Ion Ratio Lower Upper
106 100
91 214.5 106.9 320.8



#70
Styrene
Concen: 20.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion:104 Resp: 433641
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.7 44.4 66.6

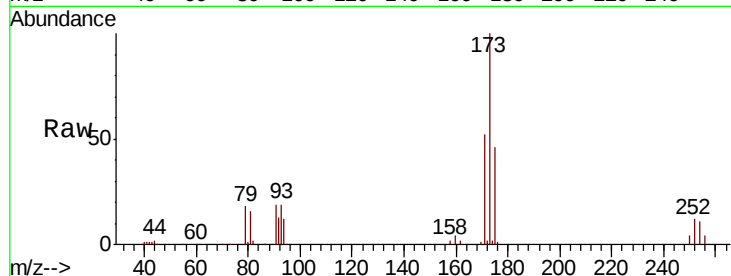




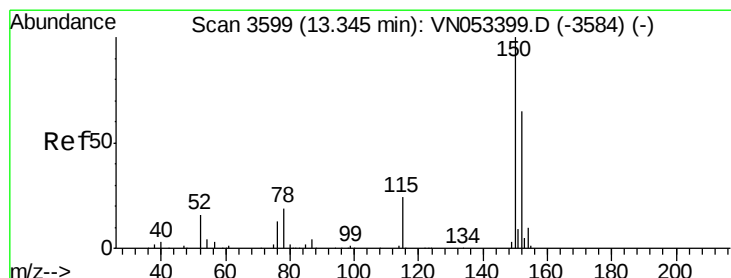
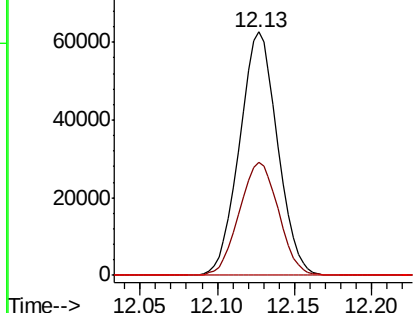
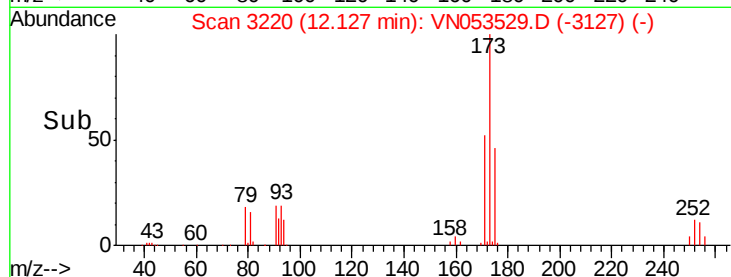
#71
 Bromoform
 Concen: 21.461 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tgt Ion:173 Resp: 107231
 Ion Ratio Lower Upper
 173 100
 175 47.9 24.6 74.0
 254 0.1 0.2 0.2#

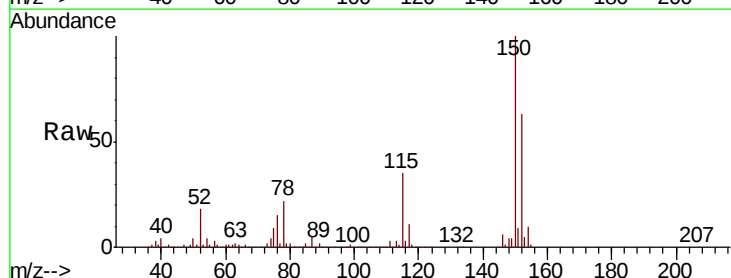


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

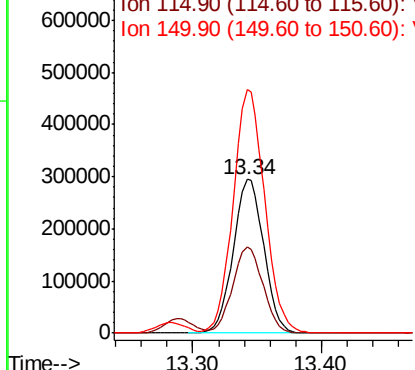
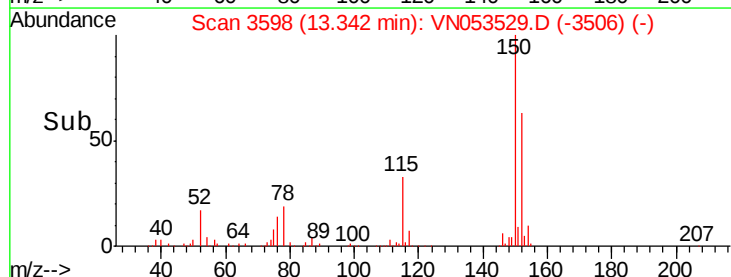


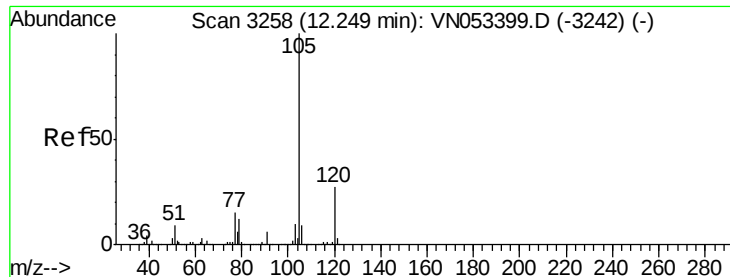
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion:152 Resp: 482648
 Ion Ratio Lower Upper
 152 100
 115 56.2 27.8 83.4
 150 163.9 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.725 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

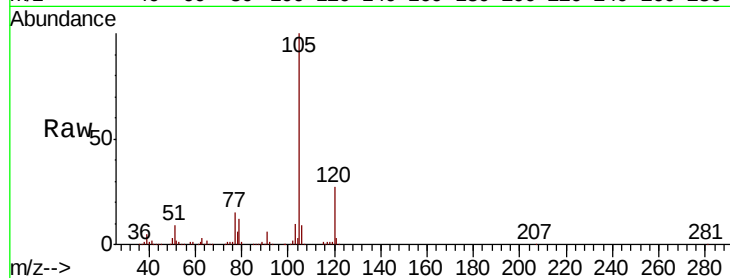
VN0123WBS01

Tgt Ion: 105 Resp: 697161

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

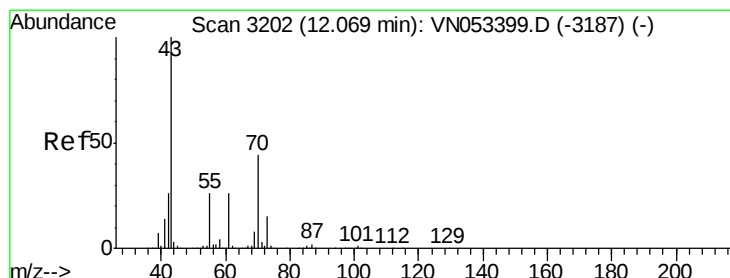
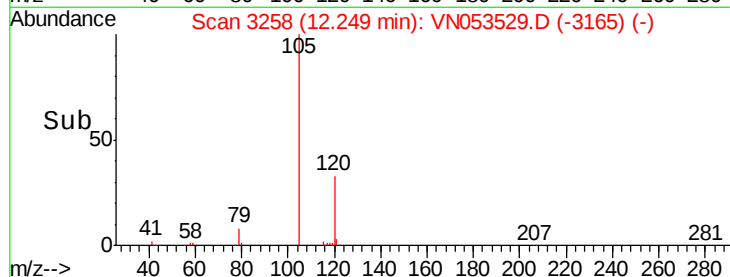
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 20.844 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion: 43 Resp: 196392

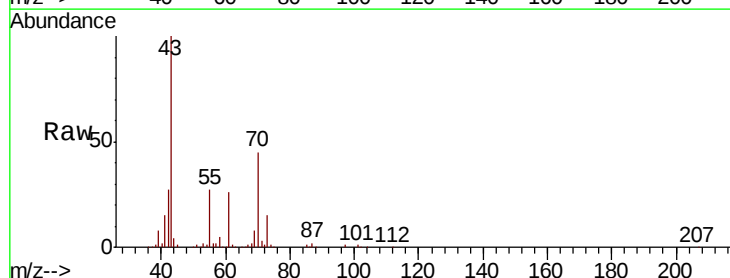
Ion Ratio Lower Upper

43 100

70 44.7 35.4 53.2

55 26.9 20.9 31.3

61 26.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

100000

50000

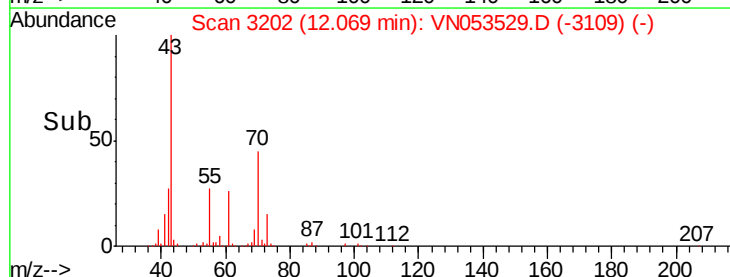
0

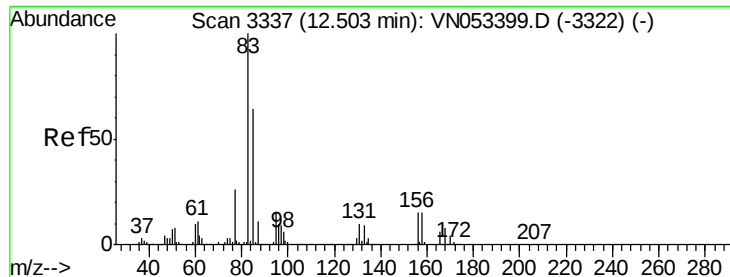
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.512 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

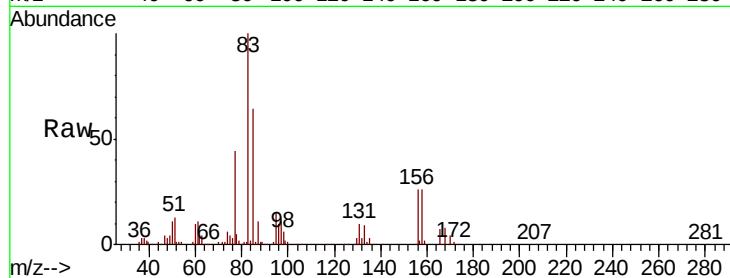
Tgt Ion: 83 Resp: 159464

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

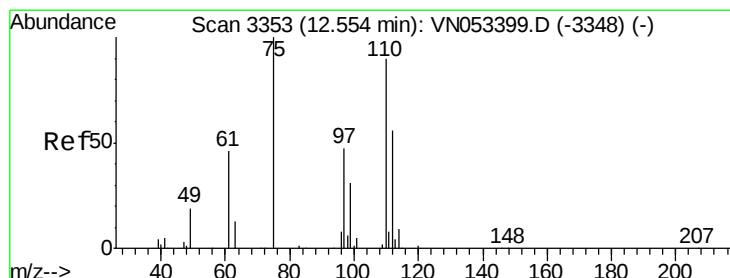
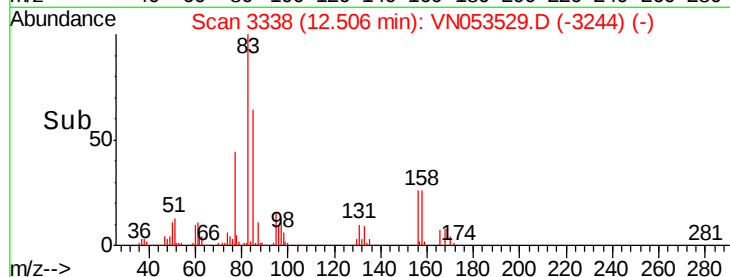
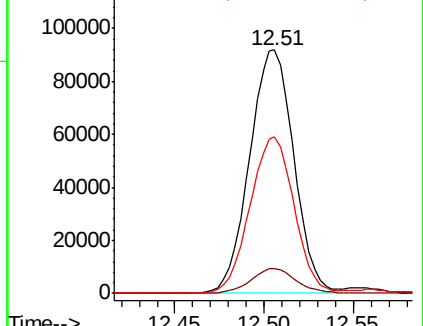
85 64.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 33.501 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053529.D

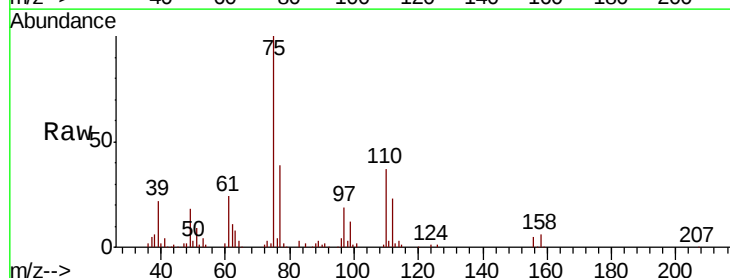
Acq: 23 Jan 2019 11:23

Tgt Ion: 75 Resp: 213078

Ion Ratio Lower Upper

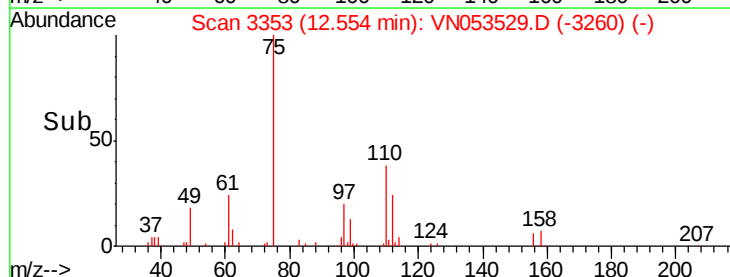
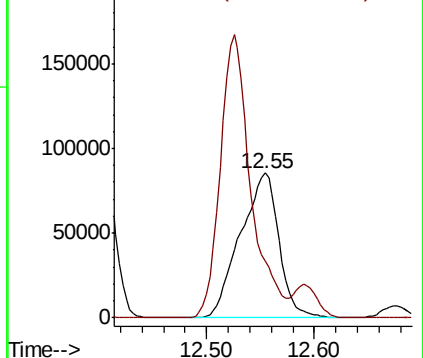
75 100

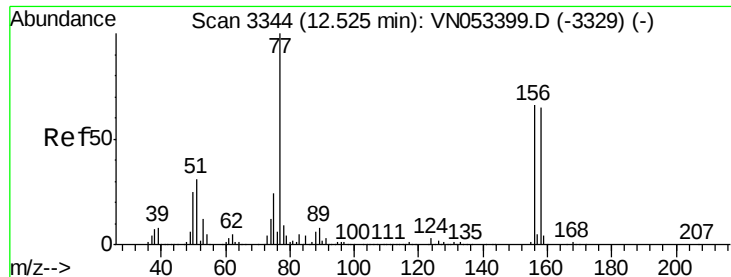
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 19.766 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

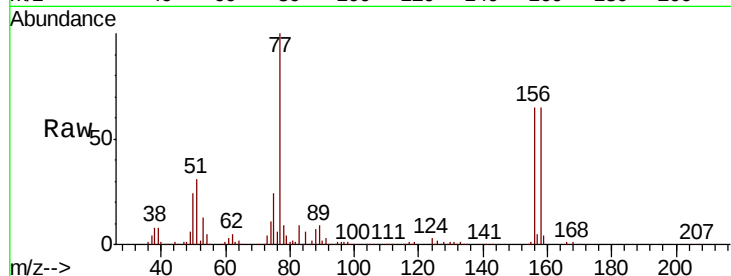
Tgt Ion:156 Resp: 184087

Ion Ratio Lower Upper

156 100

77 177.6 87.9 263.8

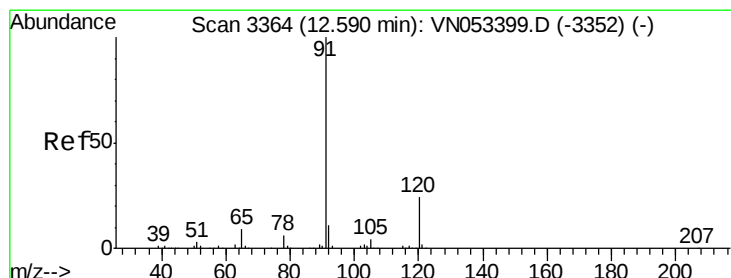
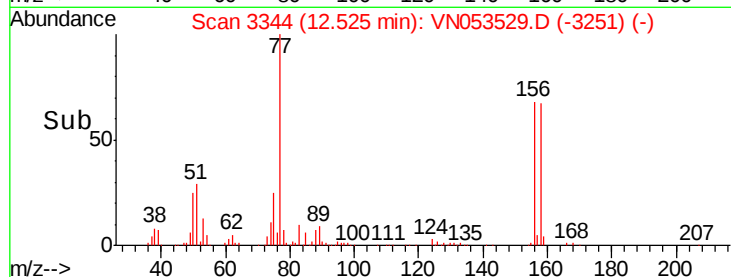
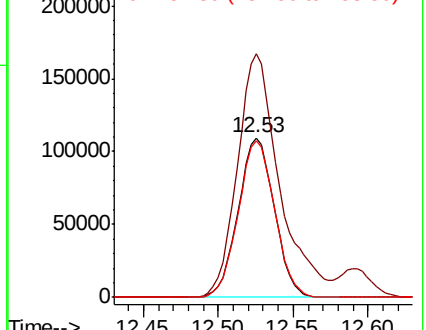
158 98.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.839 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053529.D

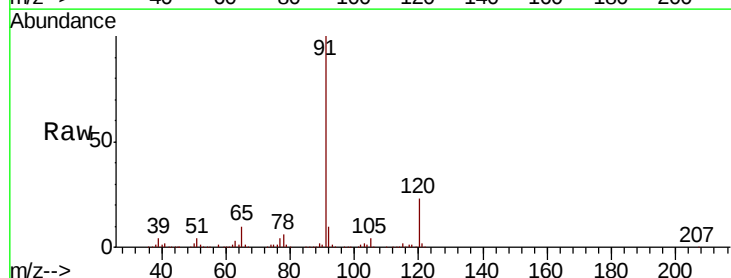
Acq: 23 Jan 2019 11:23

Tgt Ion: 91 Resp: 804911

Ion Ratio Lower Upper

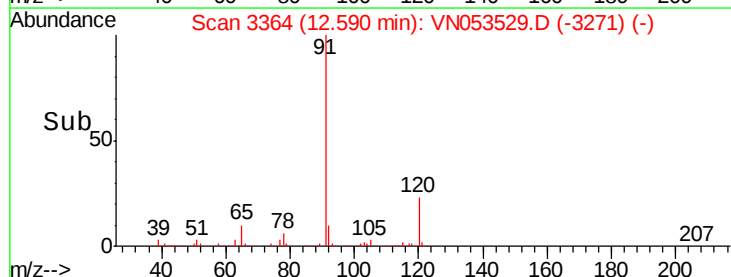
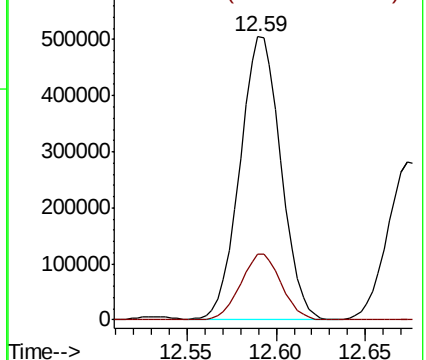
91 100

120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

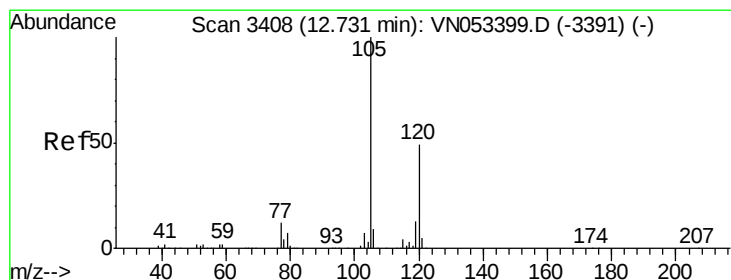
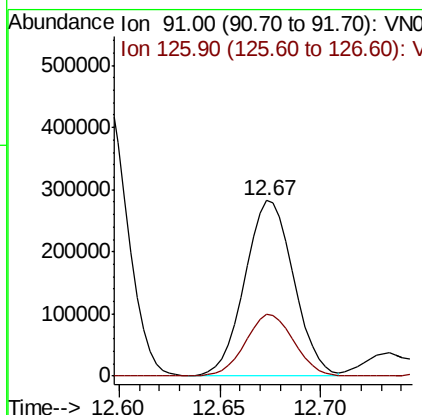
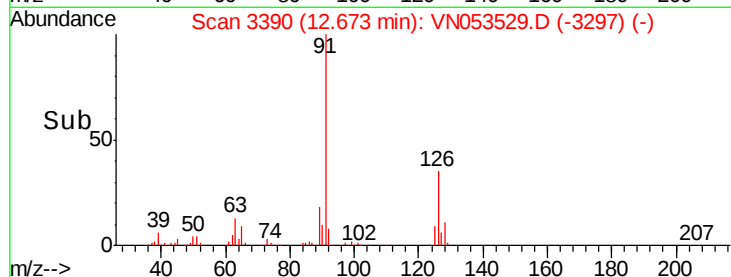
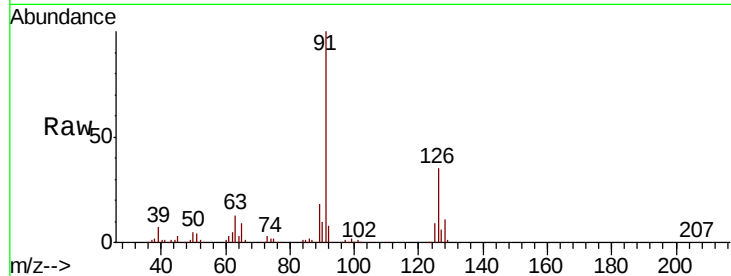




#79
 2-Chlorotoluene
 Concen: 19.864 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

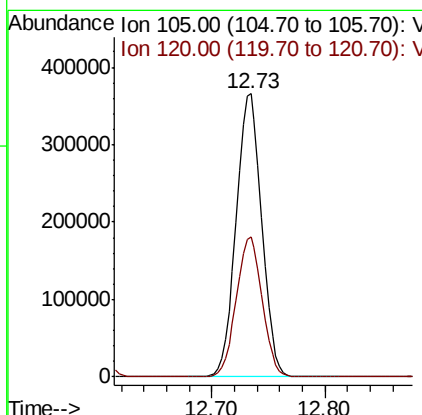
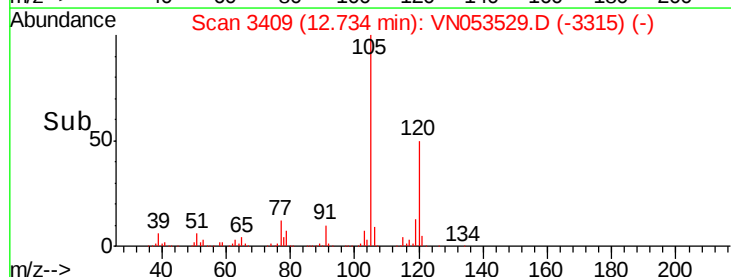
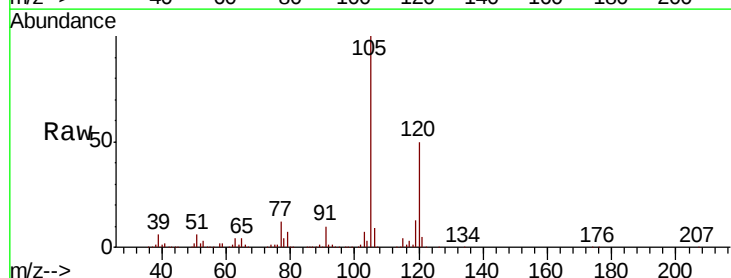
Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBS01

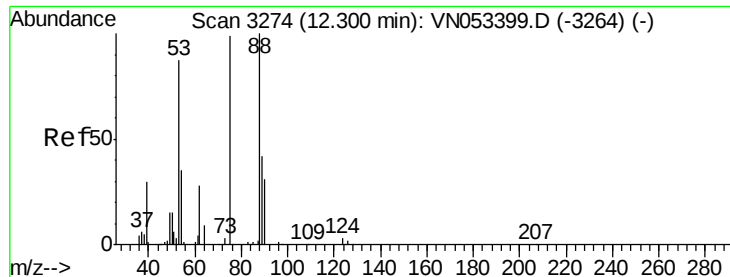
Tgt Ion: 91 Resp: 477693
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.056 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion: 105 Resp: 576759
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.571 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

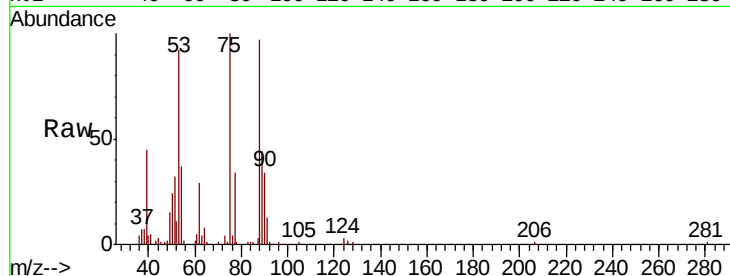
Tgt Ion: 75 Resp: 47752

Ion Ratio Lower Upper

75 100

53 90.7 69.8 104.6

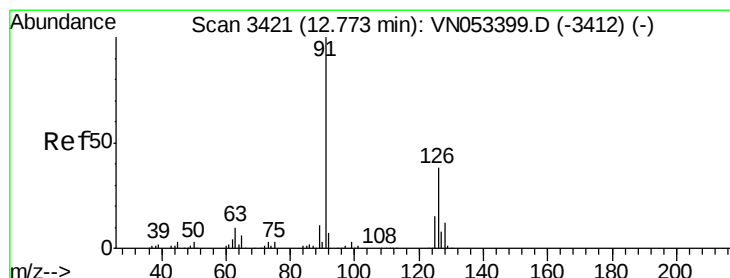
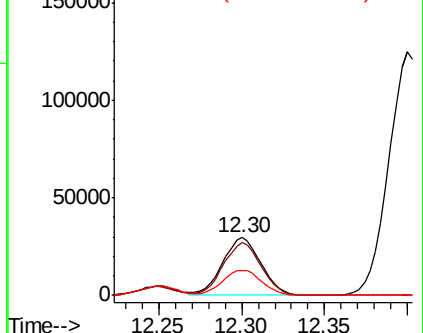
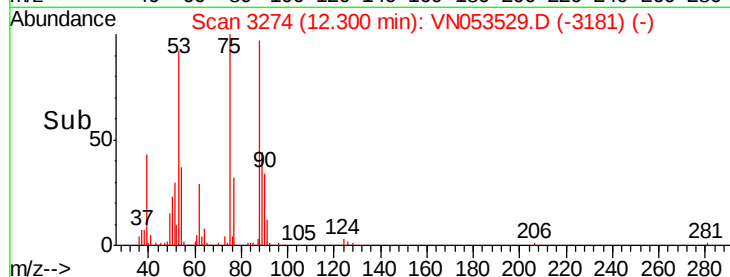
89 44.8 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.755 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053529.D

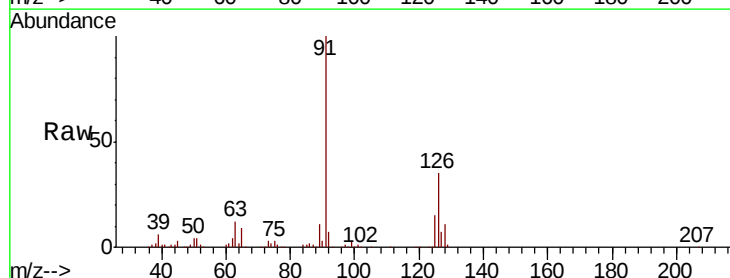
Acq: 23 Jan 2019 11:23

Tgt Ion: 91 Resp: 484477

Ion Ratio Lower Upper

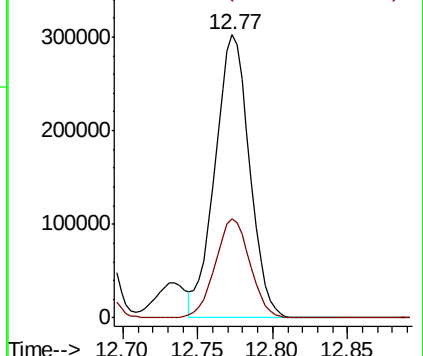
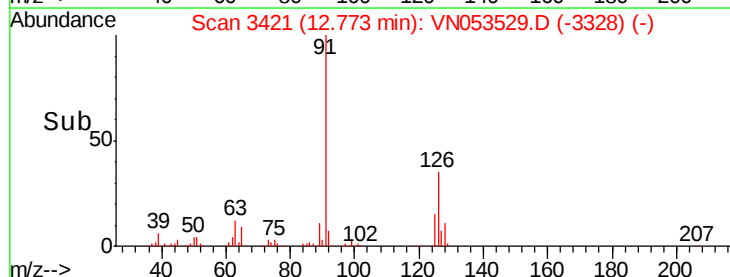
91 100

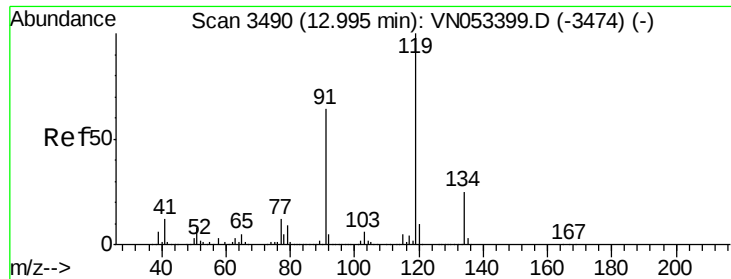
126 35.3 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

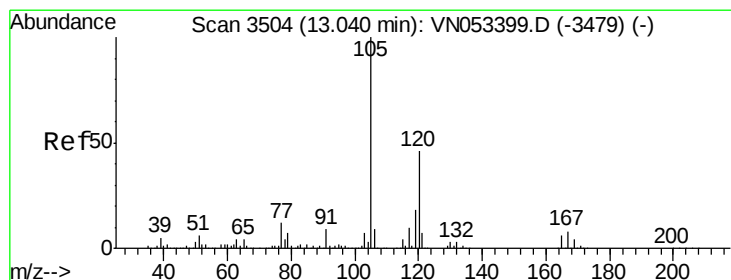
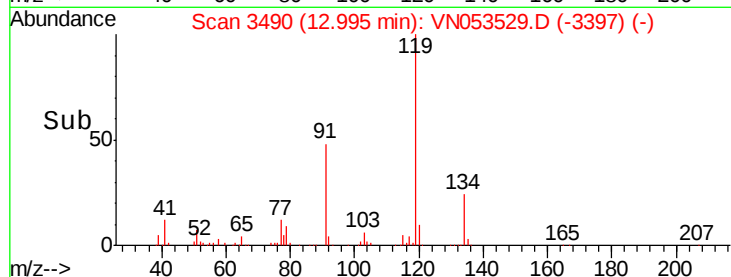
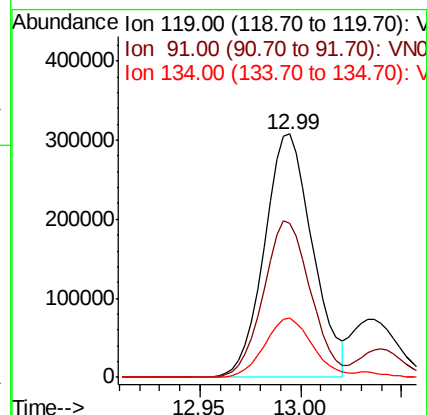
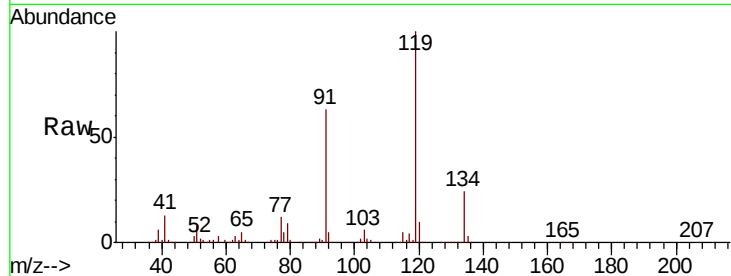




#83
tert-Butylbenzene
Concen: 20.171 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

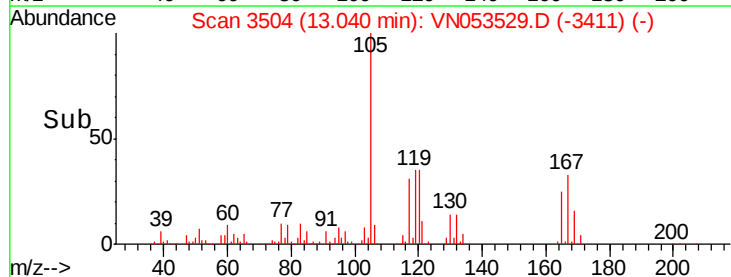
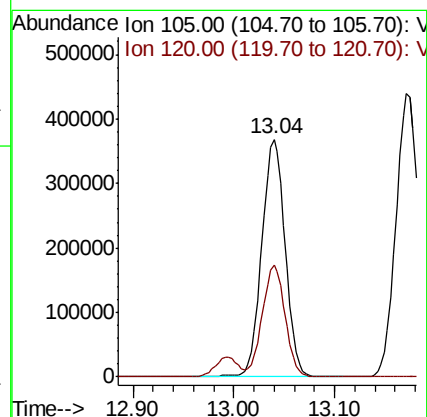
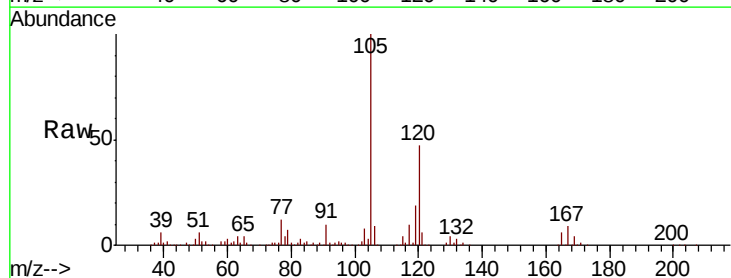
Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

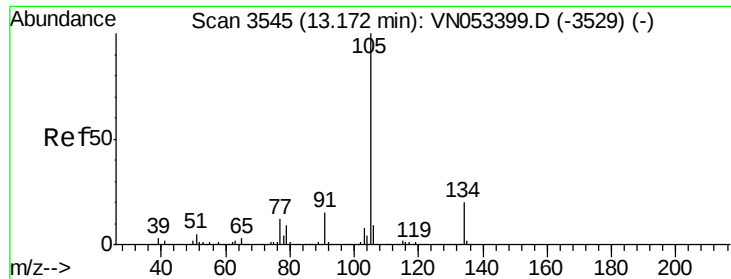
Tgt Ion:119 Resp: 512319
Ion Ratio Lower Upper
119 100
91 62.7 31.3 93.8
134 25.5 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 20.354 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion:105 Resp: 590196
Ion Ratio Lower Upper
105 100
120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 19.985 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

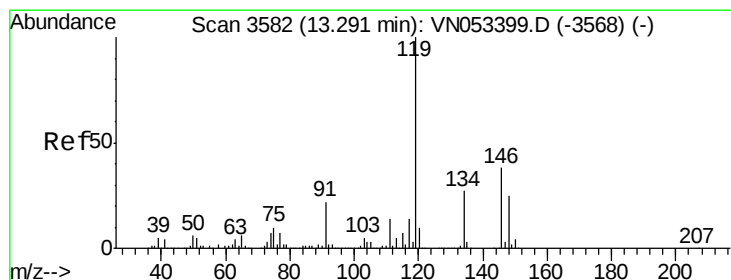
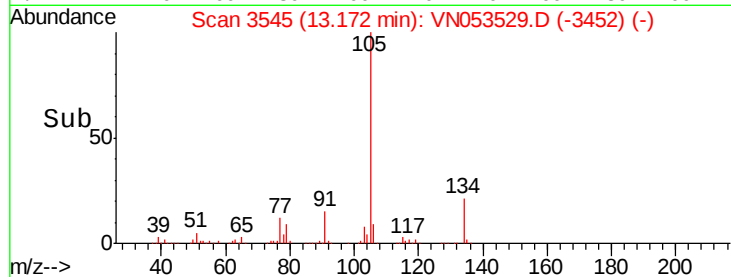
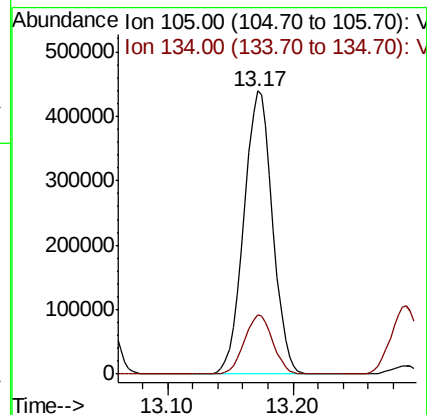
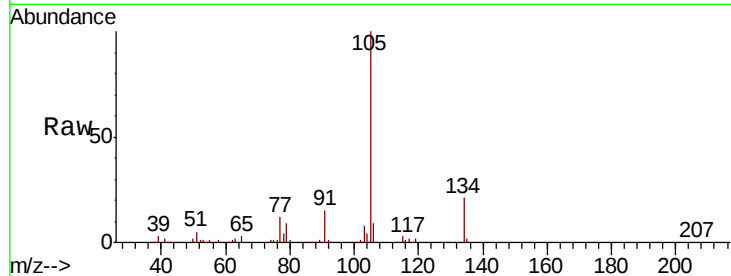
VN0123WBS01

Tgt Ion:105 Resp: 696151

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.171 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

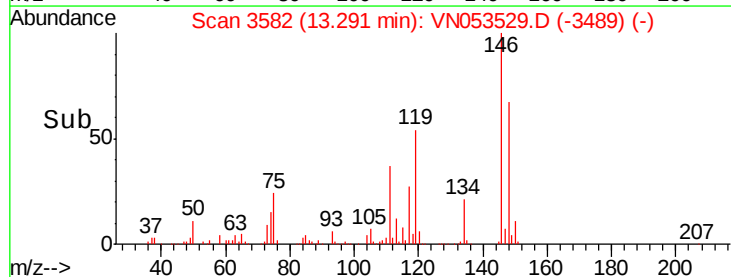
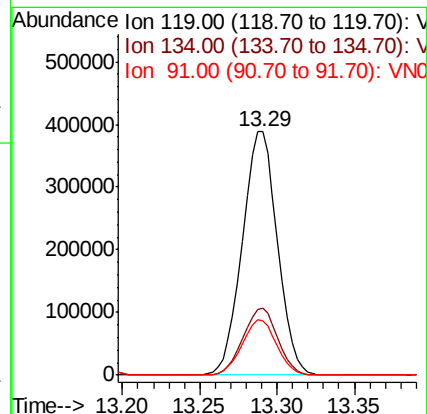
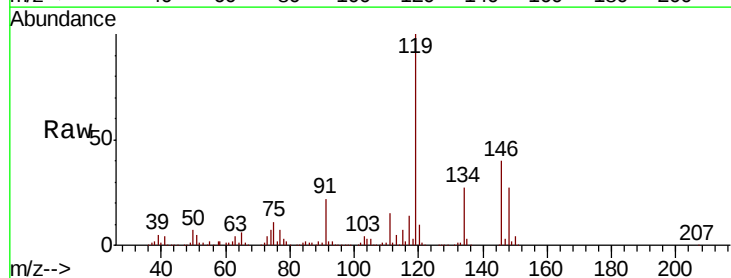
Tgt Ion:119 Resp: 610095

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.4 11.0 33.0

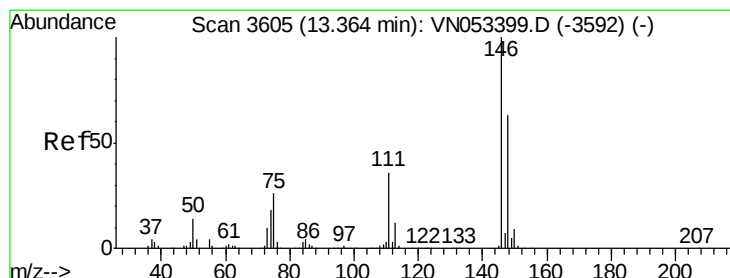
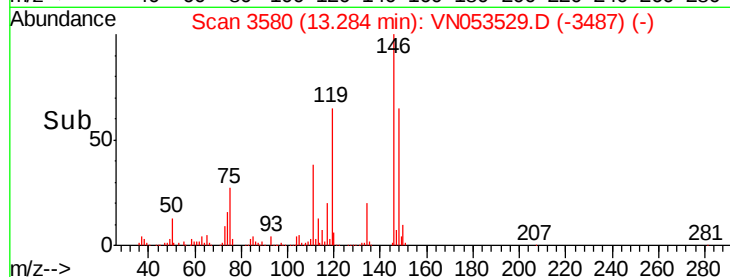
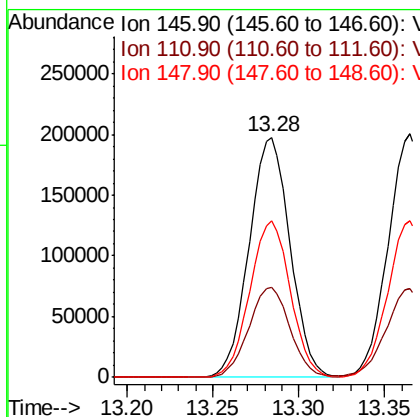
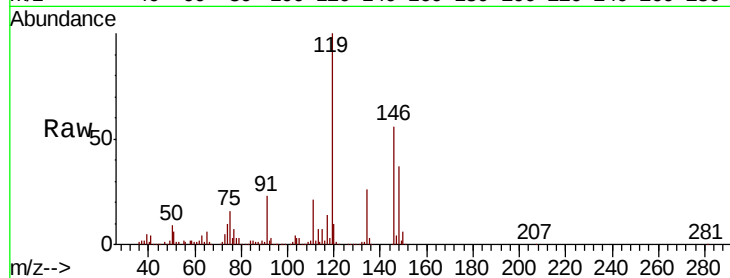




#87
 1,3-Dichlorobenzene
 Concen: 19.867 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

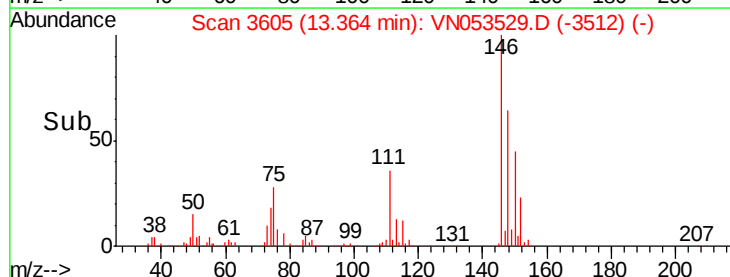
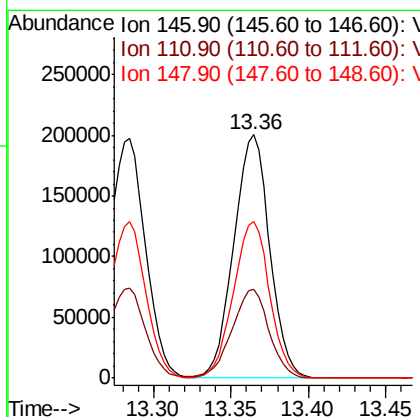
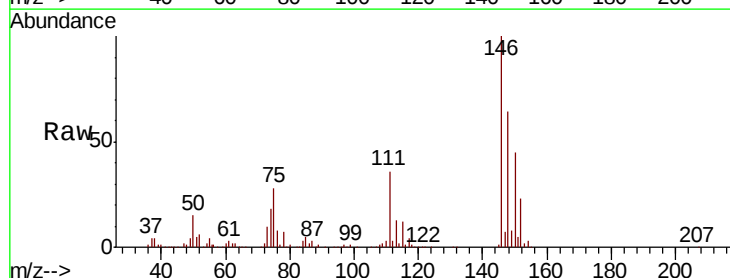
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

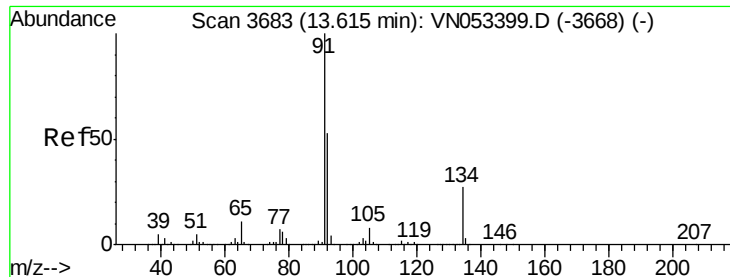
Tgt Ion:146 Resp: 325466
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion:146 Resp: 322828
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 64.9 32.4 97.0





#89

n-Butylbenzene

Concen: 19.006 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

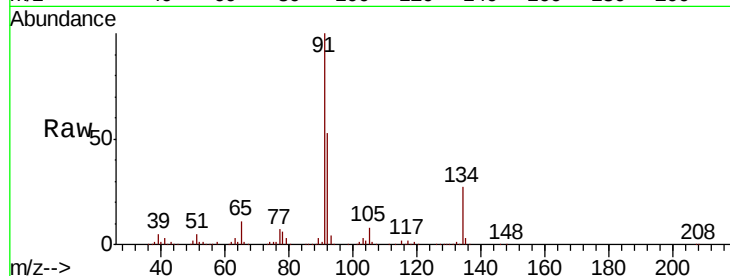
Tgt Ion: 91 Resp: 490006

Ion Ratio Lower Upper

91 100

92 52.8 26.3 78.8

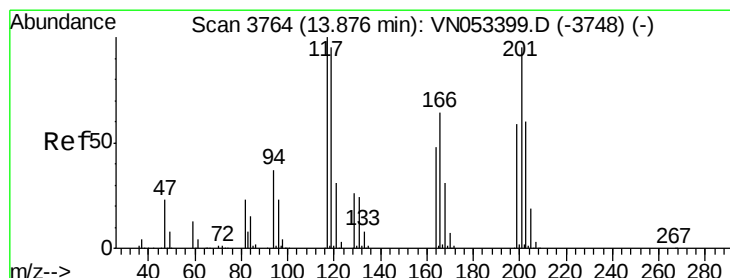
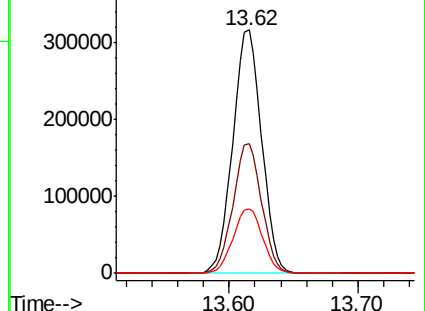
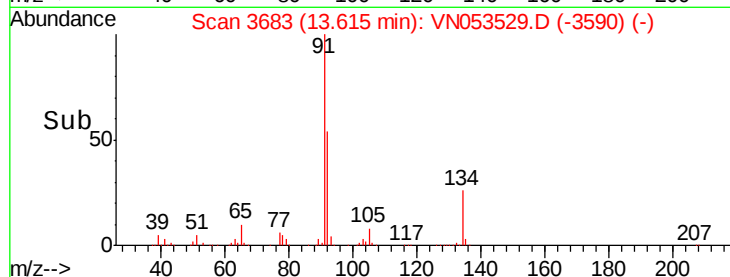
134 27.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)



#90

Hexachloroethane

Concen: 19.730 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053529.D

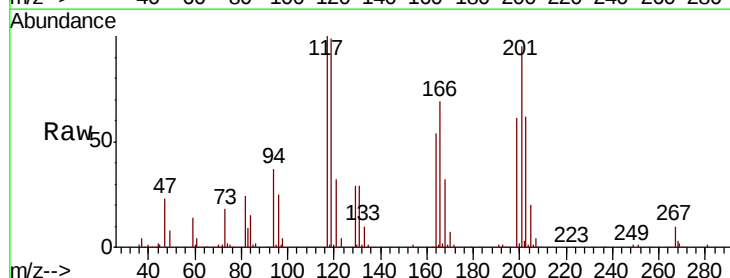
Acq: 23 Jan 2019 11:23

Tgt Ion: 117 Resp: 93592

Ion Ratio Lower Upper

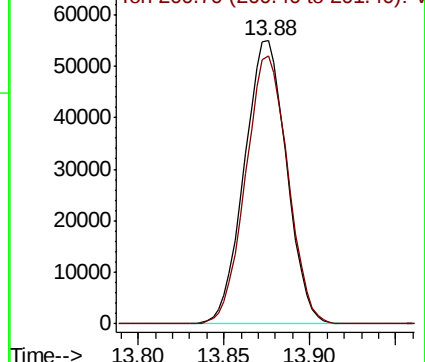
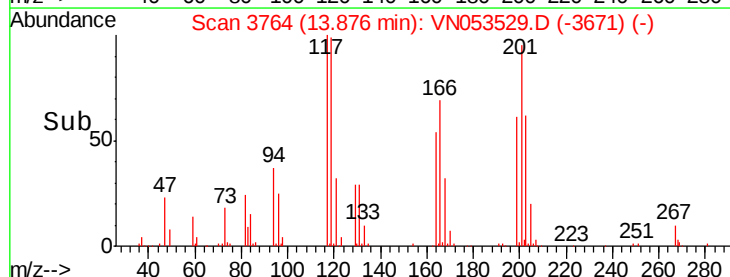
117 100

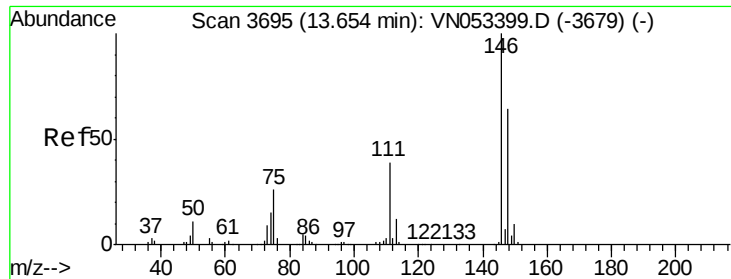
201 94.5 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)

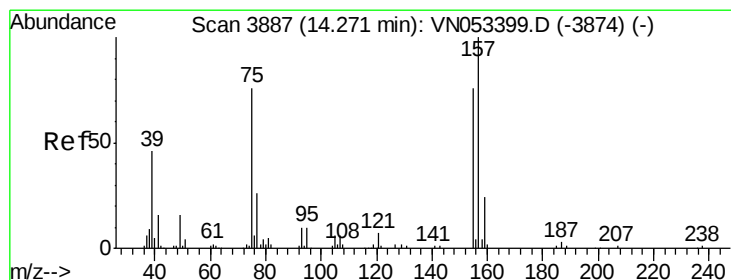
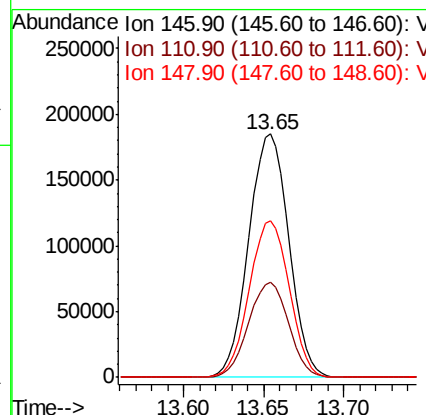
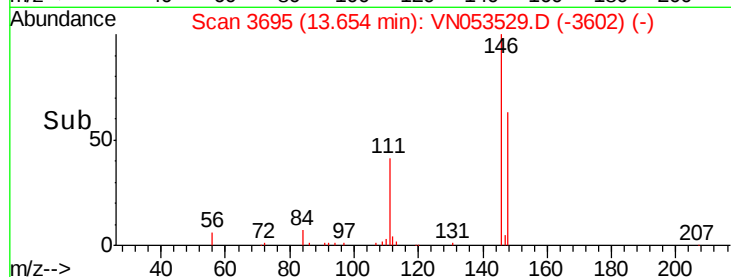
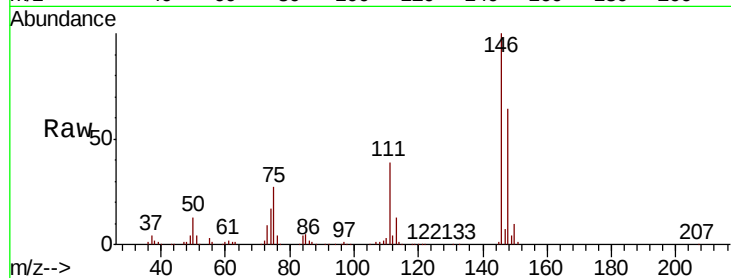




#91
 1,2-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

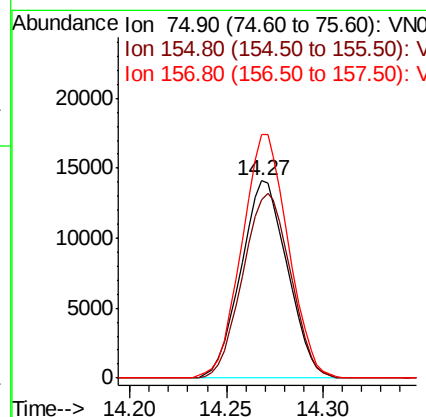
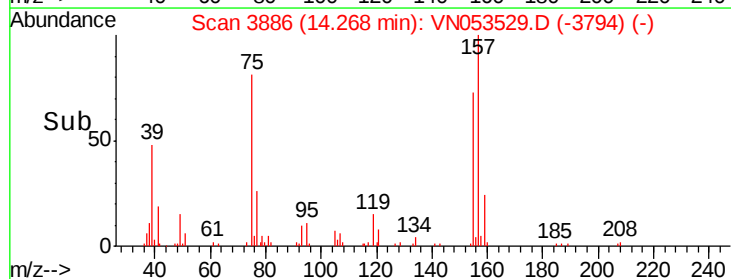
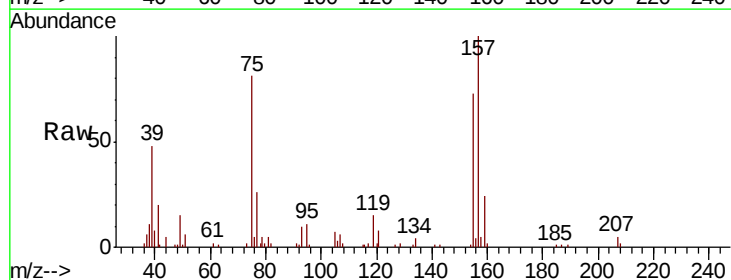
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

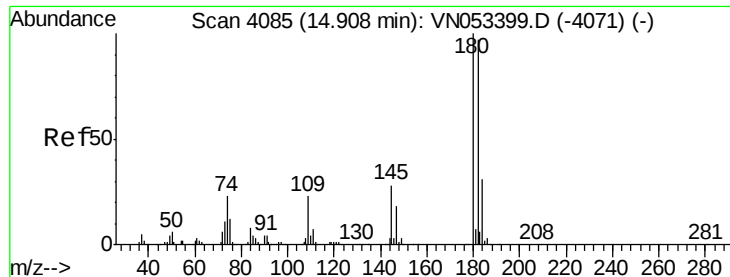
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.2	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.156 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.9	146.7
157	122.9	63.7	191.3

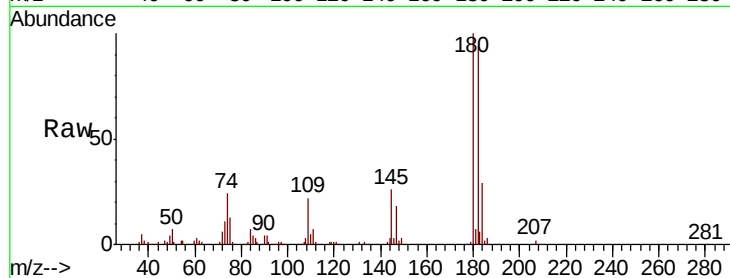




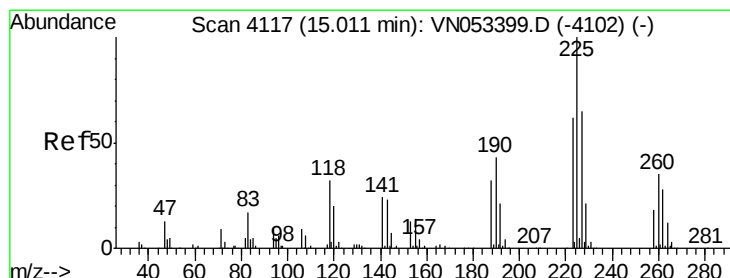
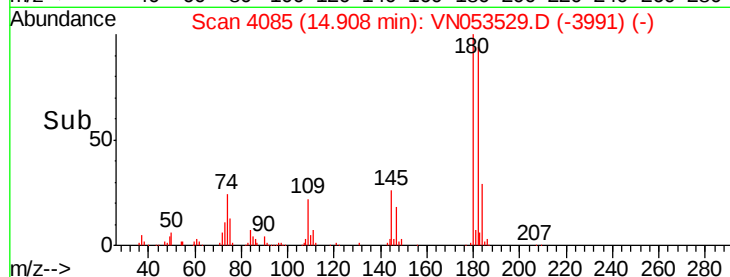
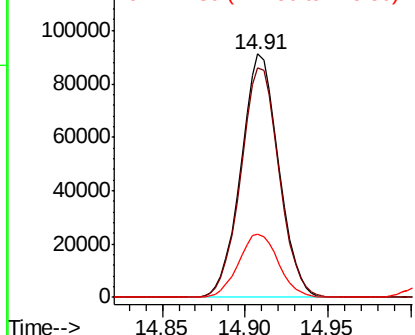
#93
 1,2,4-Trichlorobenzene
 Concen: 23.232 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tgt Ion:180 Resp: 144069
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.1 144.3
 145 27.4 13.9 41.6

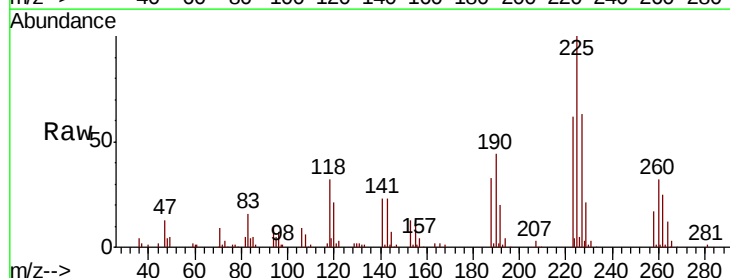


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

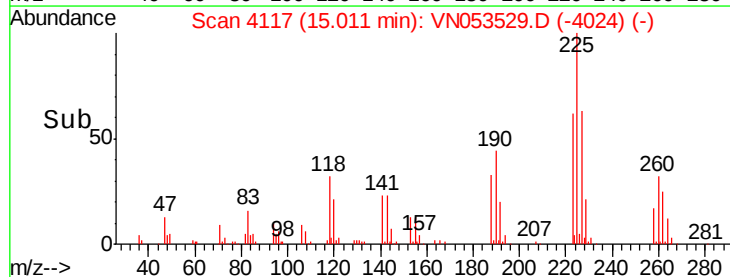
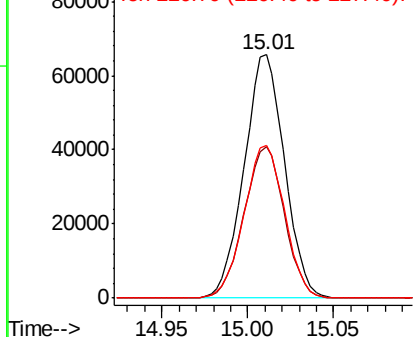


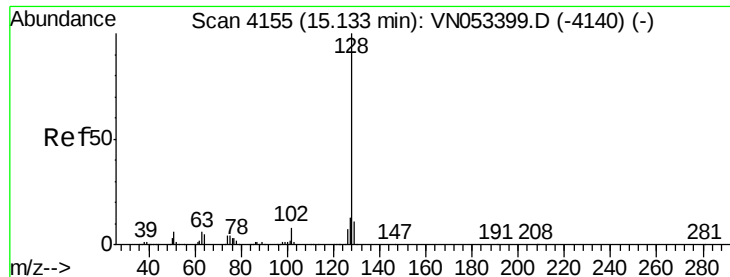
#94
 Hexachlorobutadiene
 Concen: 22.761 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion:225 Resp: 107016
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.2
 227 63.1 32.0 96.2



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

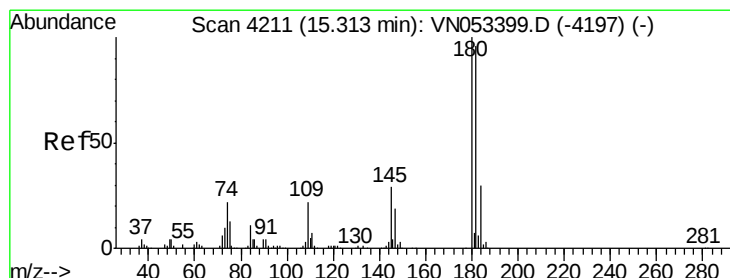
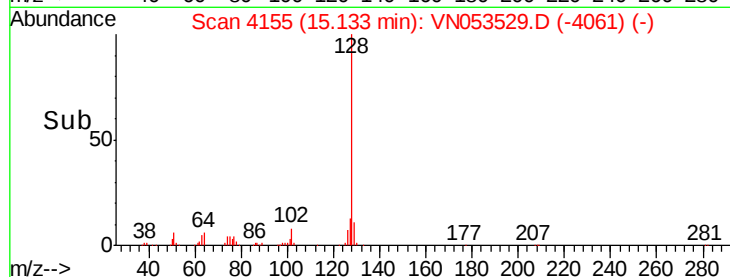
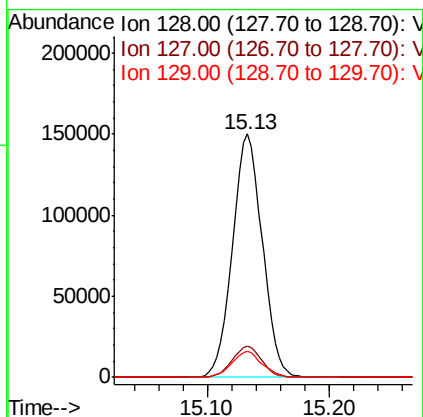
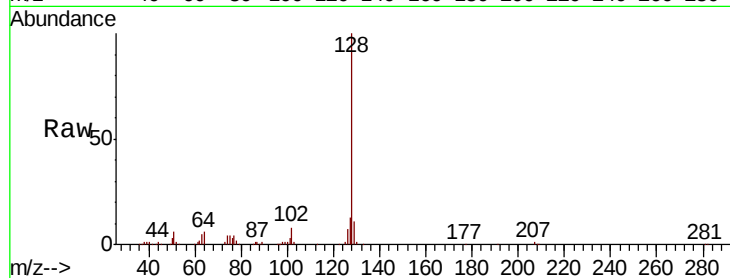




#95
Naphthalene
Concen: 24.063 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tgt Ion:128 Resp: 254878
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 24.756 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion:180 Resp: 110062
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.8
145 30.3 14.7 44.1

