

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060146.D
 Acq On : 19 Feb 2020 11:19
 Operator : JC/MD
 Sample : VN0219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:14:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	301794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	113663	48.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.40%	
35) Dibromofluoromethane	7.56	113	90286	48.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.34%	
50) Toluene-d8	10.08	98	354519	48.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.40	95	127079	47.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	37794	19.511	ug/l	98
3) Chloromethane	2.04	50	43943	19.063	ug/l	98
4) Vinyl Chloride	2.17	62	50712	19.300	ug/l	97
5) Bromomethane	2.55	94	31398	19.488	ug/l	97
6) Chloroethane	2.69	64	24613	18.520	ug/l	98
7) Trichlorofluoromethane	3.00	101	63658	18.791	ug/l	100
8) Diethyl Ether	3.38	74	22085	19.585	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36536	19.426	ug/l	98
10) Methyl Iodide	3.93	142	46581	20.001	ug/l	99
11) Tert butyl alcohol	4.73	59	33267	94.273	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35651	19.458	ug/l	98
13) Acrolein	3.58	56	24032	68.899	ug/l	100
14) Allyl chloride	4.30	41	49843	18.483	ug/l	99
15) Acrylonitrile	4.94	53	83174	96.514	ug/l	98
16) Acetone	3.78	43	88866	86.395	ug/l	100
17) Carbon Disulfide	4.03	76	99356	17.991	ug/l	99
18) Methyl Acetate	4.29	43	38780	20.070	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	116087	18.840	ug/l	99
20) Methylene Chloride	4.52	84	38904	18.958	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	37471	18.761	ug/l	98
22) Diisopropyl ether	5.91	45	114146	19.313	ug/l	99
23) Vinyl Acetate	5.86	43	474126	95.528	ug/l	99
24) 1,1-Dichloroethane	5.82	63	69464	19.402	ug/l	99
25) 2-Butanone	6.80	43	116679	90.194	ug/l	98
26) 2,2-Dichloropropane	6.80	77	65175	19.165	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44478	19.029	ug/l	99
28) Bromochloromethane	7.17	49	26544	18.858	ug/l	99
29) Tetrahydrofuran	7.18	42	74286	93.603	ug/l	99
30) Chloroform	7.35	83	72330	19.286	ug/l	97
31) Cyclohexane	7.63	56	64505	19.341	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	65580	19.135	ug/l	100
36) 1,1-Dichloropropene	7.77	75	53514	19.144	ug/l	99
37) Ethyl Acetate	6.90	43	49185	19.469	ug/l	98
38) Carbon Tetrachloride	7.75	117	57307	18.877	ug/l	99

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 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	65946	19.005	ug/l	98
40) Benzene	8.02	78	157393	18.981	ug/l	100
41) Methacrylonitrile	7.17	41	70925	66.943	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	56860	19.565	ug/l	100
43) Isopropyl Acetate	8.14	43	82175	19.028	ug/l	99
44) Trichloroethene	8.82	130	43635	19.005	ug/l	99
45) 1,2-Dichloropropane	9.10	63	40980	19.962	ug/l	99
46) Dibromomethane	9.19	93	28005	19.304	ug/l	97
47) Bromodichloromethane	9.39	83	56469	19.146	ug/l	99
48) Methyl methacrylate	9.18	41	35057	18.093	ug/l	98
49) 1,4-Dioxane	9.18	88	13386	404.340	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	239963	95.998	ug/l	100
52) Toluene	10.14	92	101683	19.123	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64073	19.246	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	67042	19.124	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	40023	19.293	ug/l	98
56) Ethyl methacrylate	10.42	69	55306	18.846	ug/l	97
57) 1,3-Dichloropropane	10.70	76	66626	19.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	133580	97.709	ug/l	99
59) 2-Hexanone	10.74	43	176932	91.631	ug/l	99
60) Dibromochloromethane	10.89	129	44523	18.703	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40915	18.815	ug/l	97
64) Tetrachloroethene	10.62	164	41557	19.225	ug/l	98
65) Chlorobenzene	11.43	112	108900	18.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41445	18.911	ug/l	99
67) Ethyl Benzene	11.50	91	197526	18.905	ug/l	100
68) m/p-Xylenes	11.62	106	147110	37.514	ug/l	99
69) o-Xylene	11.94	106	70630	18.706	ug/l	100
70) Styrene	11.96	104	112298	18.444	ug/l	99
71) Bromoform	12.12	173	32288	18.317	ug/l #	97
73) Isopropylbenzene	12.25	105	191744	18.893	ug/l	99
74) N-amyl acetate	12.07	43	67744	18.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55443	18.980	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	73865	28.408	ug/l #	100
77) Bromobenzene	12.52	156	48502	19.258	ug/l	99
78) n-propylbenzene	12.59	91	217766	18.833	ug/l	100
79) 2-Chlorotoluene	12.67	91	128166	18.858	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	160788	19.055	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19244	18.121	ug/l	96
82) 4-Chlorotoluene	12.77	91	131871	18.912	ug/l	99
83) tert-Butylbenzene	12.99	119	140332	18.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	160262	19.240	ug/l	100
85) sec-Butylbenzene	13.17	105	186245	18.840	ug/l	100
86) p-Isopropyltoluene	13.28	119	169615	18.937	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84000	18.842	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	84339	18.921	ug/l	99
89) n-Butylbenzene	13.61	91	147061	18.667	ug/l	99
90) Hexachloroethane	13.87	117	31134	18.606	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	83068	19.039	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11824	18.551	ug/l	92

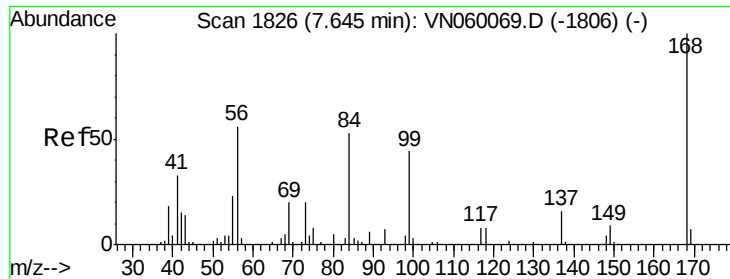
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46962	18.319	ug/l	98
94) Hexachlorobutadiene	15.01	225	27250	18.157	ug/l	99
95) Naphthalene	15.13	128	122136	17.637	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47107	18.452	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

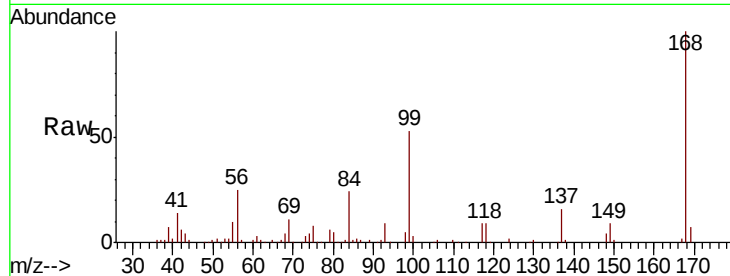
ClientSampleId :

Tot Ion:168 Resp: 193792

Ion Ratio Lower Upper

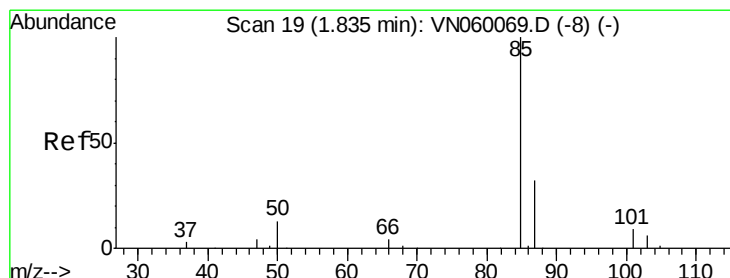
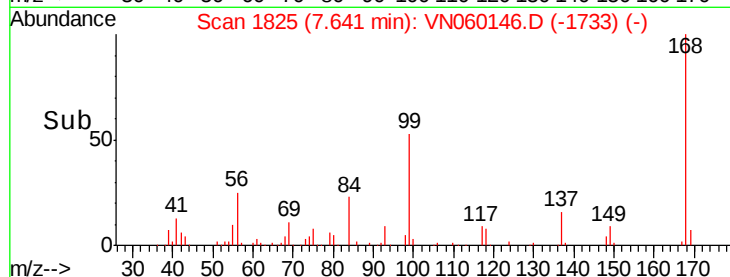
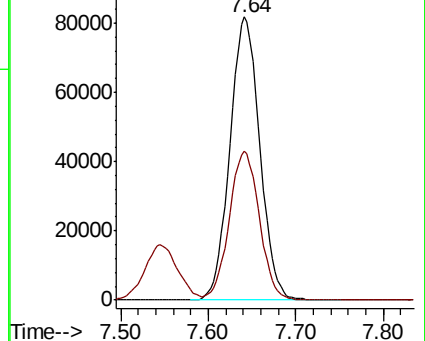
168 100

99 52.7 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.511 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060146.D

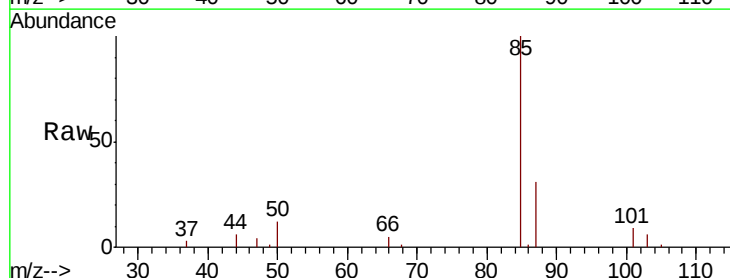
Acq: 19 Feb 2020 11:19

Tgt Ion: 85 Resp: 37794

Ion Ratio Lower Upper

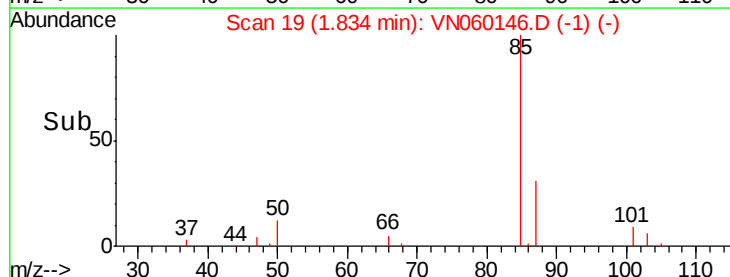
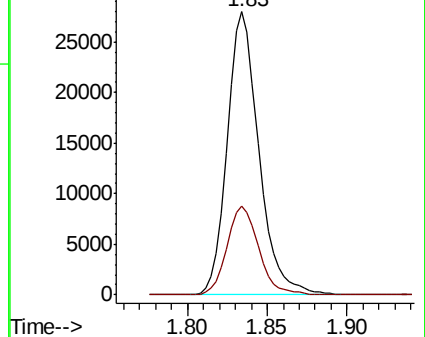
85 100

87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.063 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

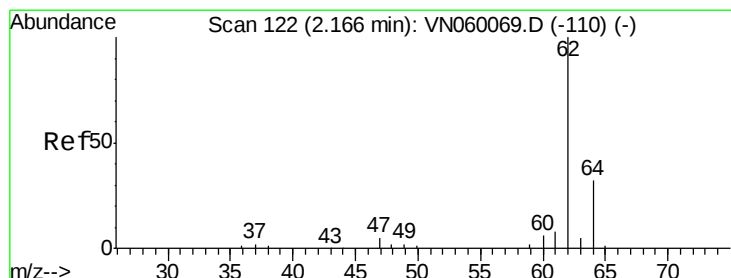
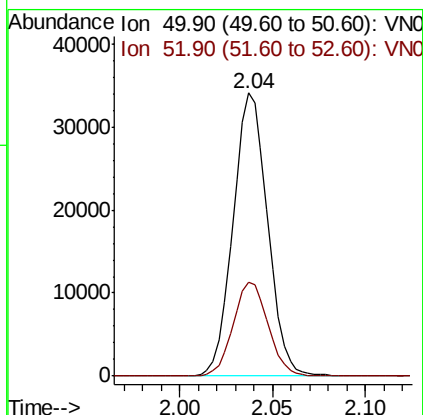
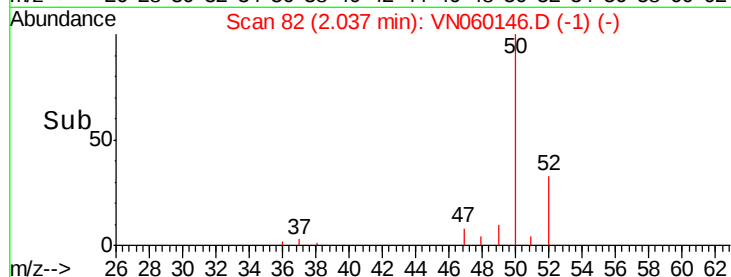
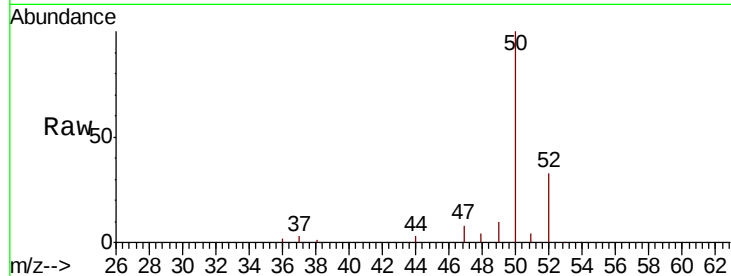
ClientSampleId :

Tot Ion: 50 Resp: 43943

Ion Ratio Lower Upper

50 100

52 33.4 25.6 38.4



#4

Vinyl Chloride

Concen: 19.300 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060146.D

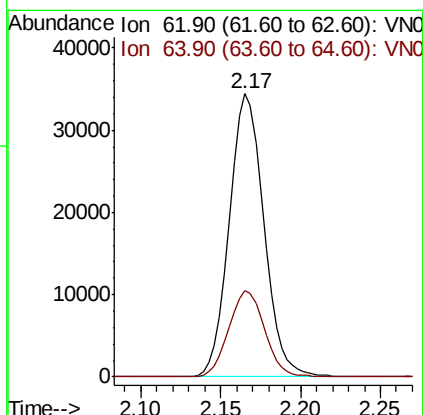
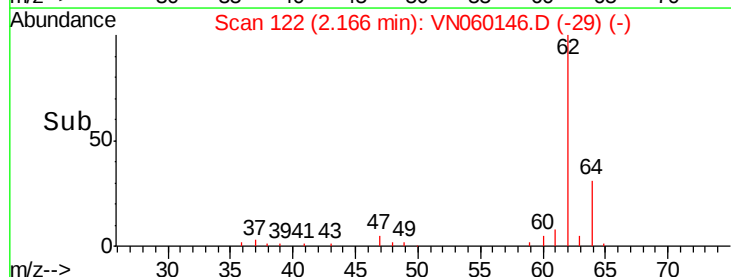
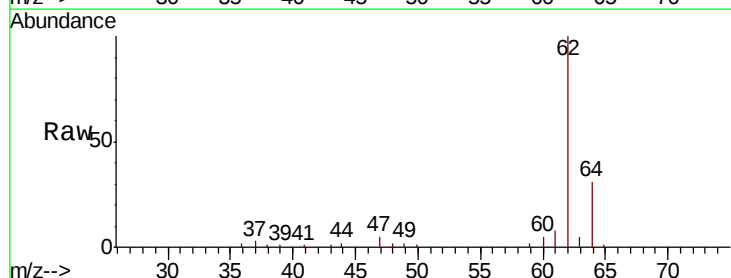
Acq: 19 Feb 2020 11:19

Tgt Ion: 62 Resp: 50712

Ion Ratio Lower Upper

62 100

64 30.6 25.9 38.9

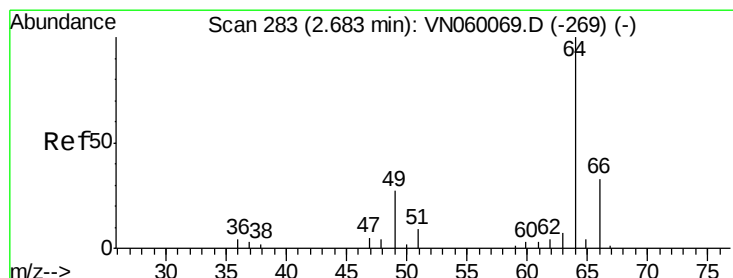
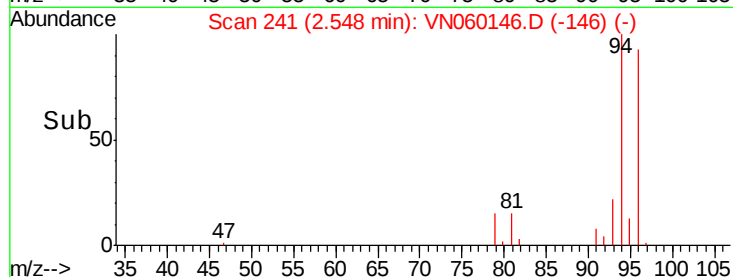
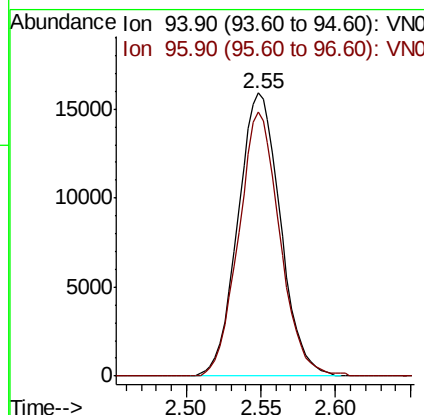
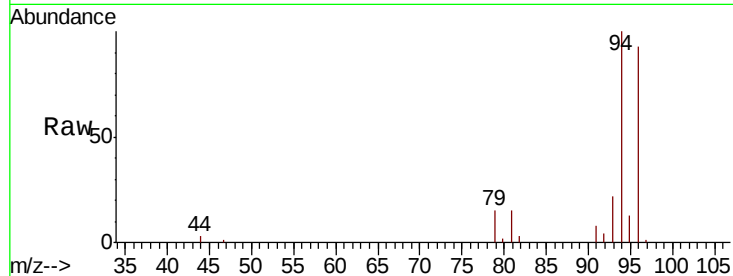




#5
Bromomethane
Concen: 19.488 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

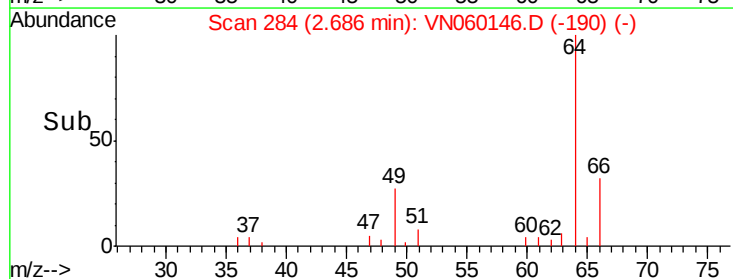
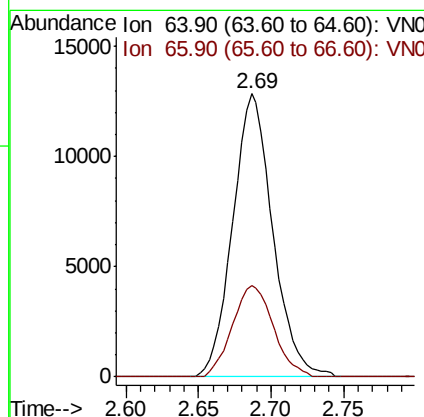
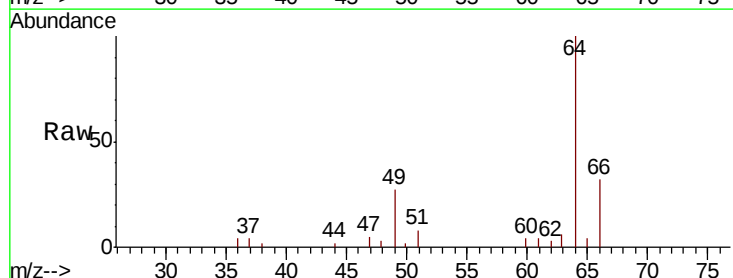
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 31398
Ion Ratio Lower Upper
94 100
96 93.3 76.7 115.1



#6
Chloroethane
Concen: 18.520 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 64 Resp: 24613
Ion Ratio Lower Upper
64 100
66 32.3 26.6 40.0



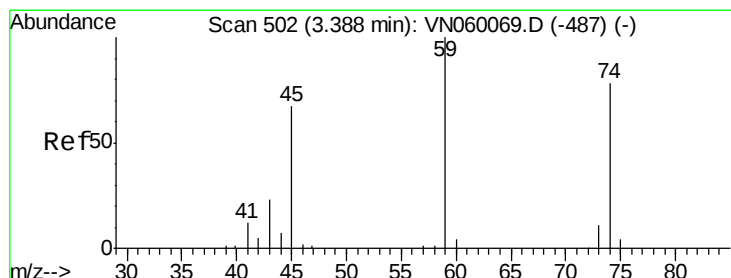
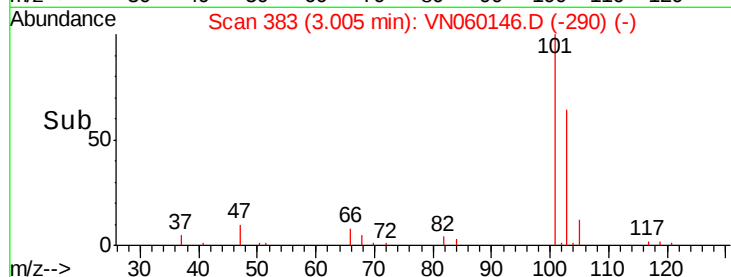
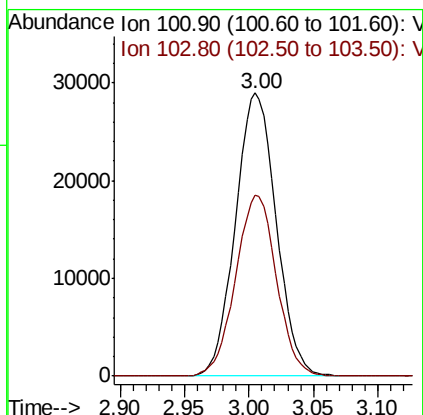
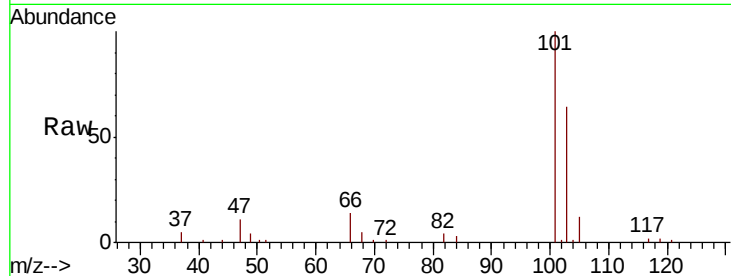


#7

Trichlorofluoromethane
Concen: 18.791 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

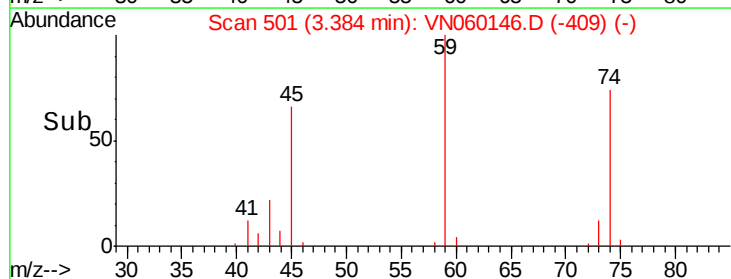
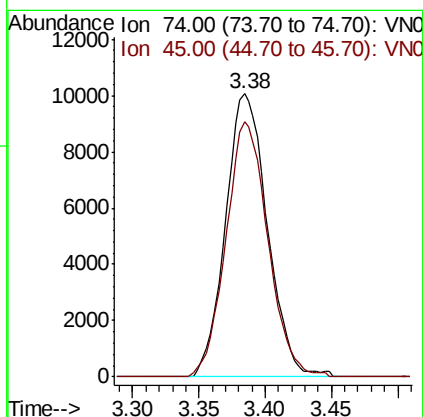
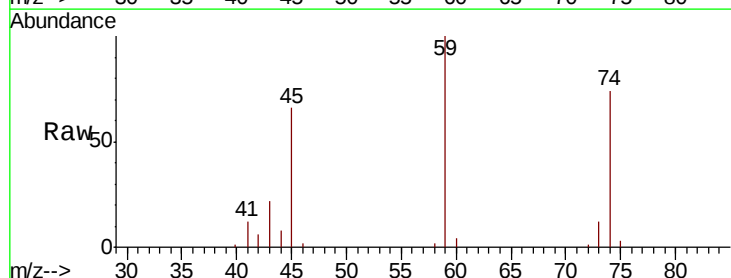
Tot Ion:101 Resp: 63658
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6



#8

Diethyl Ether
Concen: 19.585 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 74 Resp: 22085
Ion Ratio Lower Upper
74 100
45 90.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.426 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

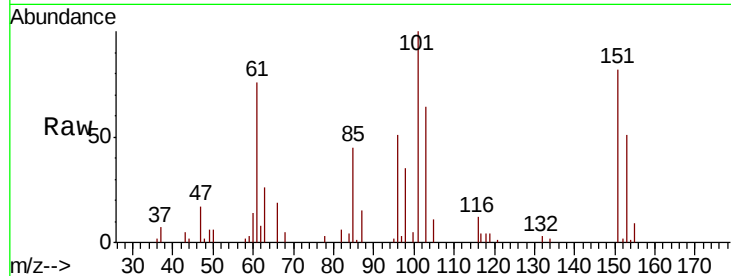
Tot Ion:101 Resp: 36536

Ion Ratio Lower Upper

101 100

85 45.0 35.1 52.7

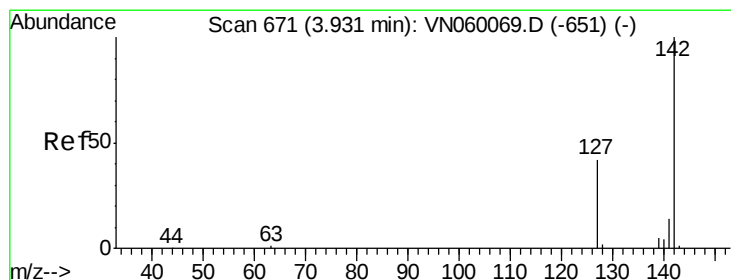
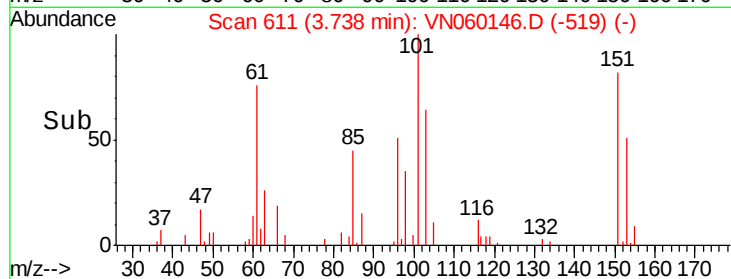
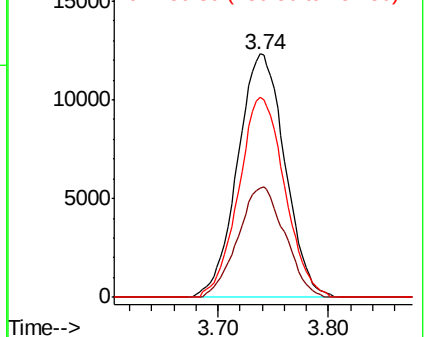
151 80.3 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.001 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

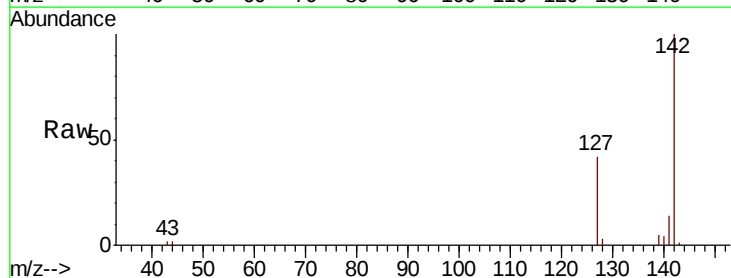
Tgt Ion:142 Resp: 46581

Ion Ratio Lower Upper

142 100

127 42.3 33.6 50.4

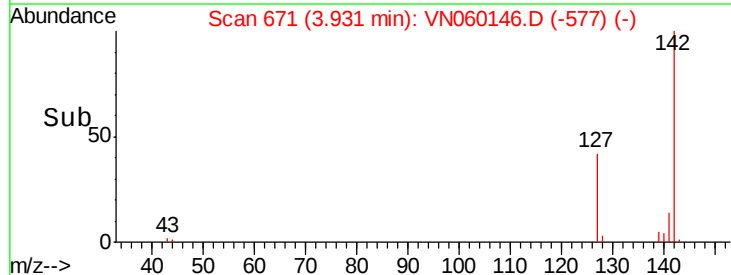
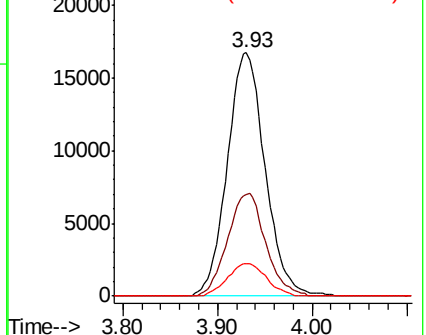
141 13.8 11.4 17.2

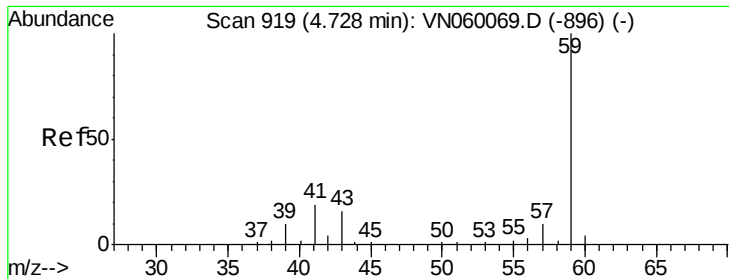


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



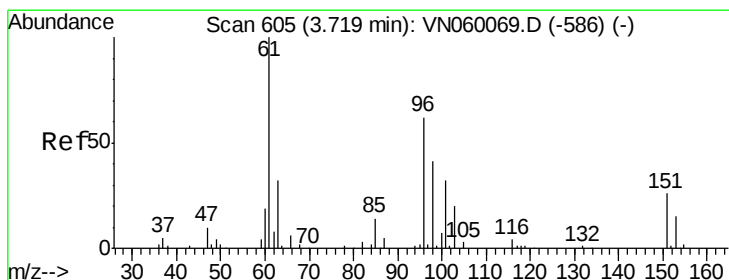
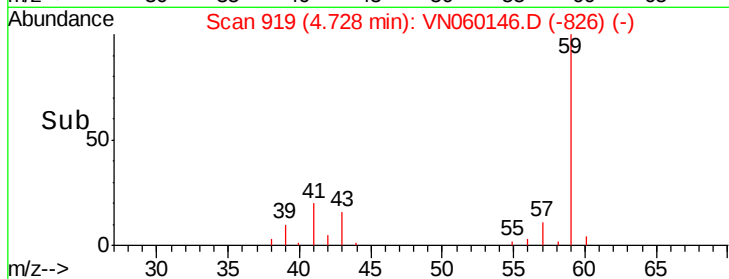
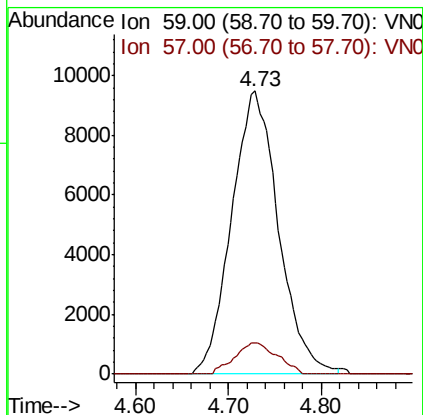
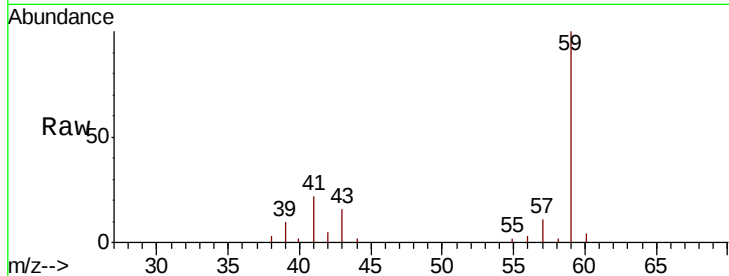


#11

Tert butyl alcohol
 Concen: 94.273 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

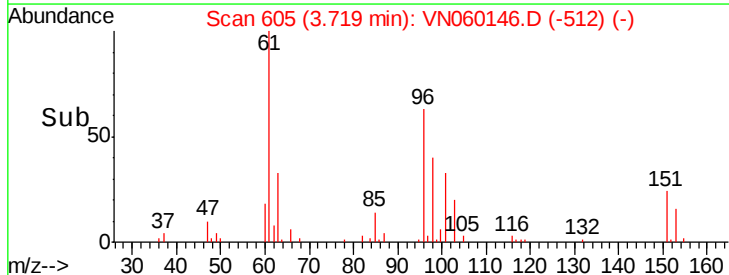
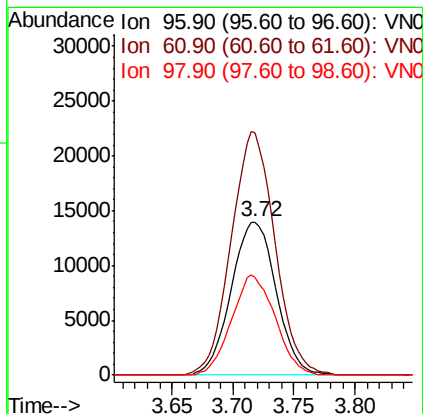
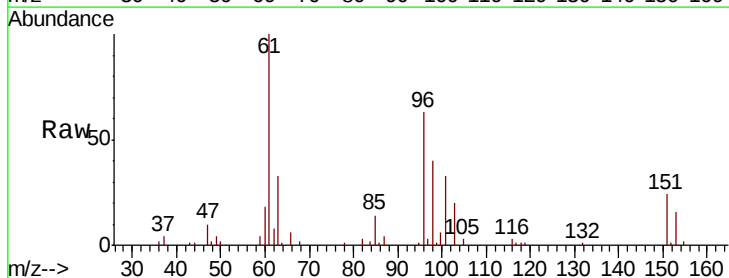
Tot Ion: 59 Resp: 33267
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

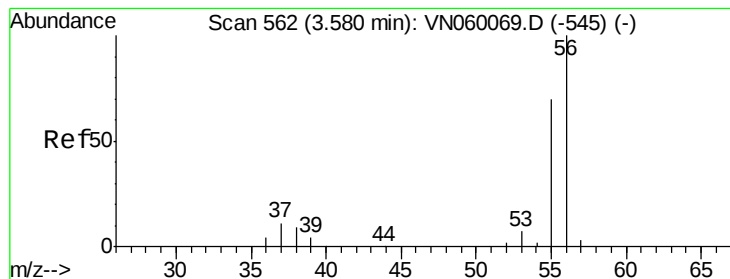


#12

1,1-Dichloroethene
 Concen: 19.458 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 96 Resp: 35651
 Ion Ratio Lower Upper
 96 100
 61 158.5 128.3 192.5
 98 63.9 52.2 78.4





#13

Acrolein

Concen: 68.899 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

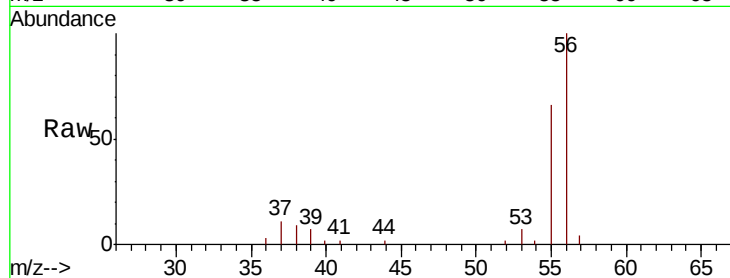
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 24032

Ion Ratio Lower Upper

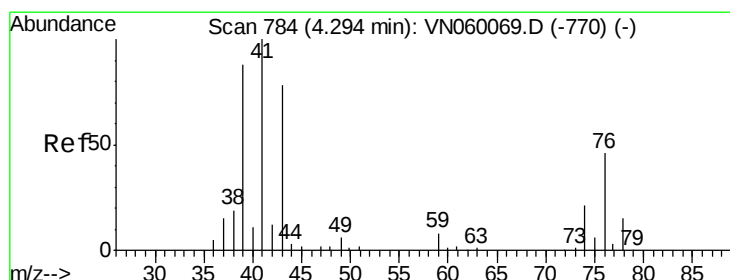
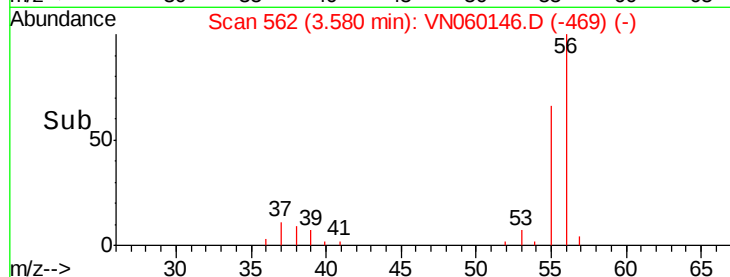
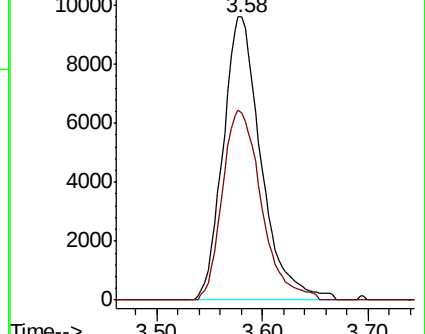
56 100

55 68.6 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.483 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

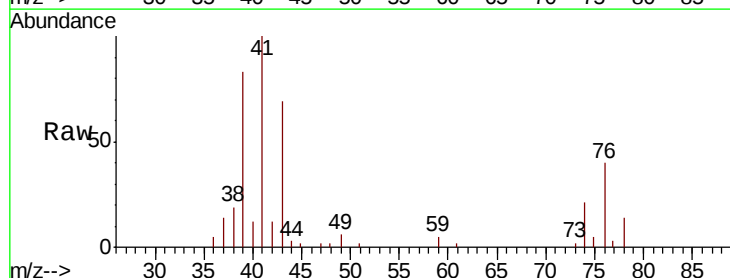
Tgt Ion: 41 Resp: 49843

Ion Ratio Lower Upper

41 100

39 84.6 67.8 101.8

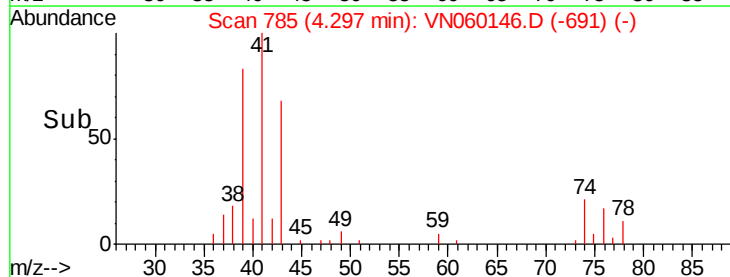
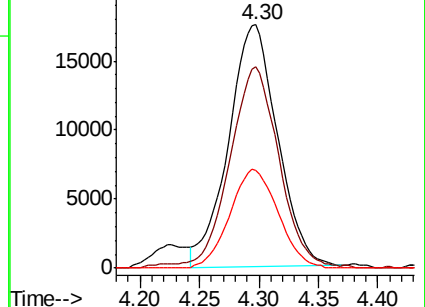
76 40.1 33.9 50.9

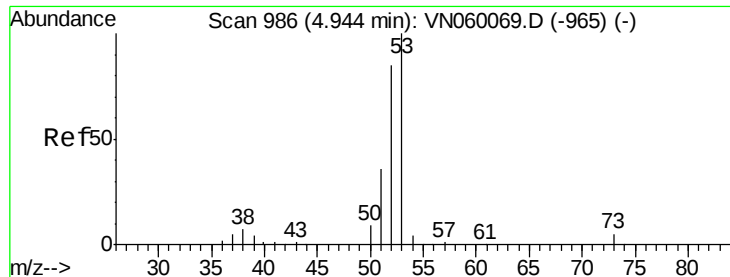


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.514 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

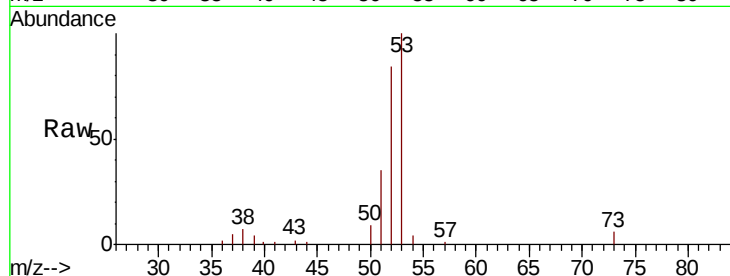
Tot Ion: 53 Resp: 83174

Ion Ratio Lower Upper

53 100

52 85.4 66.8 100.2

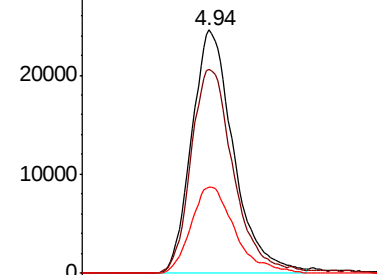
51 37.2 29.4 44.0



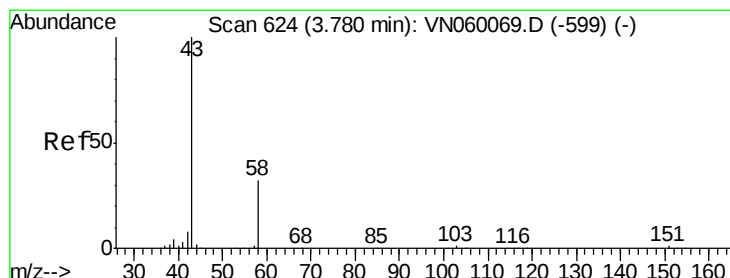
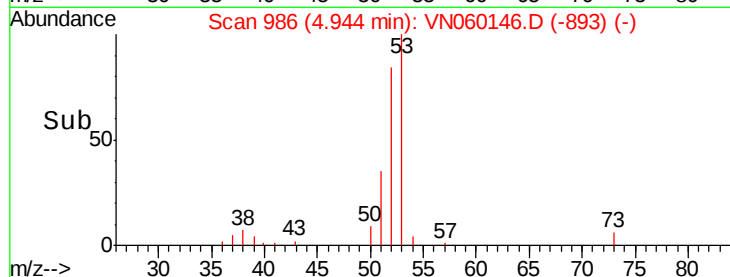
Abundance Ion 53.00 (52.70 to 53.70): VN060069.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060069.D (-965) (-)



Time-->



#16

Acetone

Concen: 86.395 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060146.D

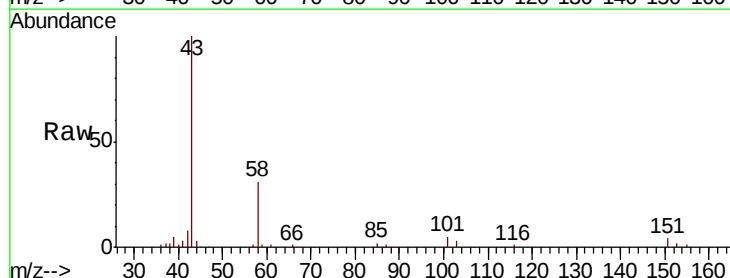
Acq: 19 Feb 2020 11:19

Tgt Ion: 43 Resp: 88866

Ion Ratio Lower Upper

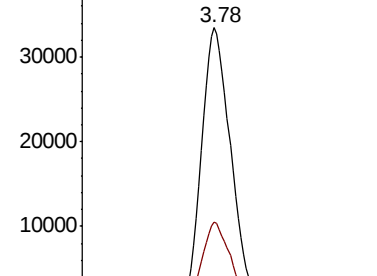
43 100

58 31.3 25.2 37.8

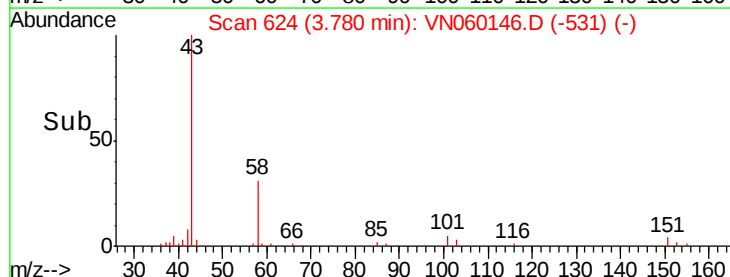


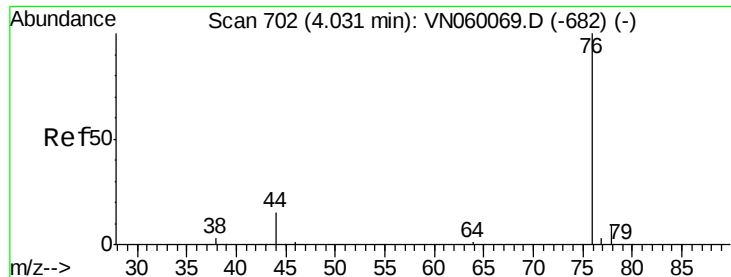
Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)



Time-->





#17

Carbon Disulfide

Concen: 17.991 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

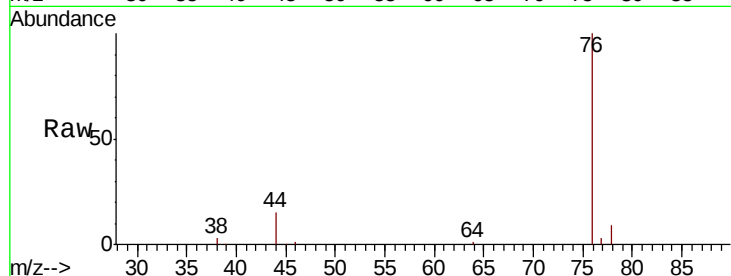
ClientSampleId :

Tot Ion: 76 Resp: 99356

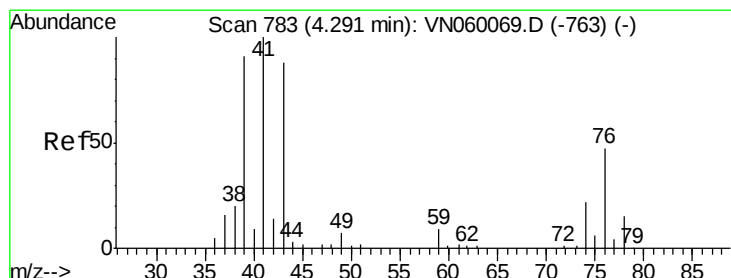
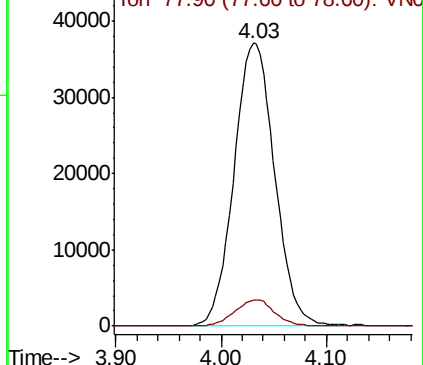
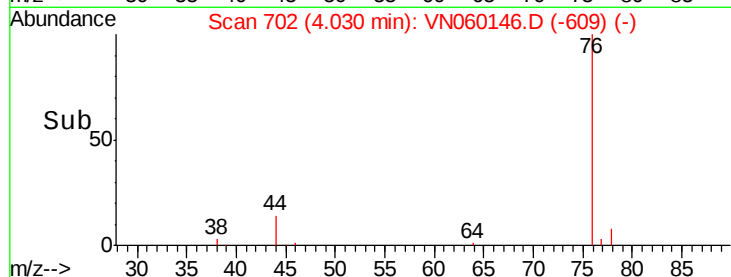
Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN060146.D (-609) (-)



#18

Methyl Acetate

Concen: 20.070 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060146.D

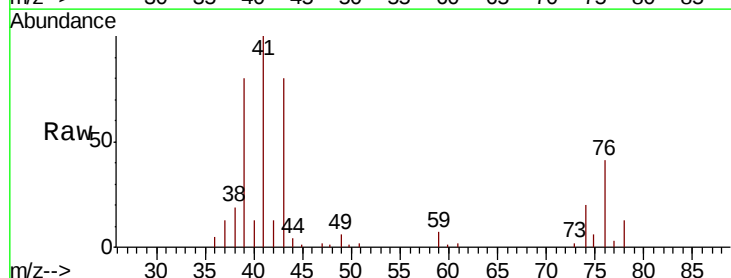
Acq: 19 Feb 2020 11:19

Tgt Ion: 43 Resp: 38780

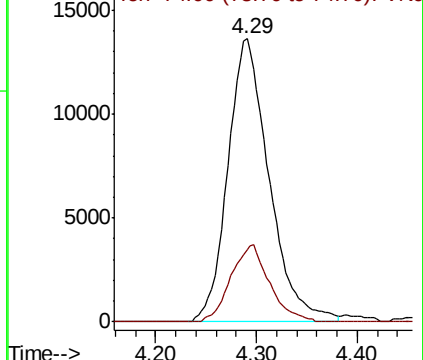
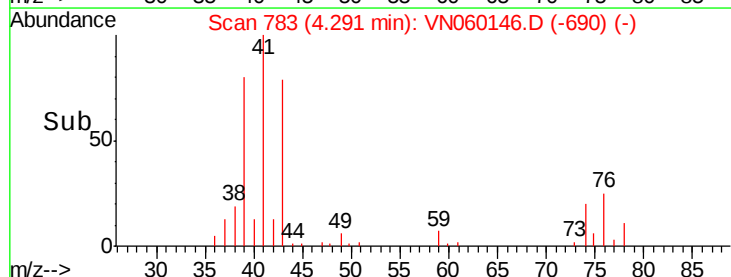
Ion Ratio Lower Upper

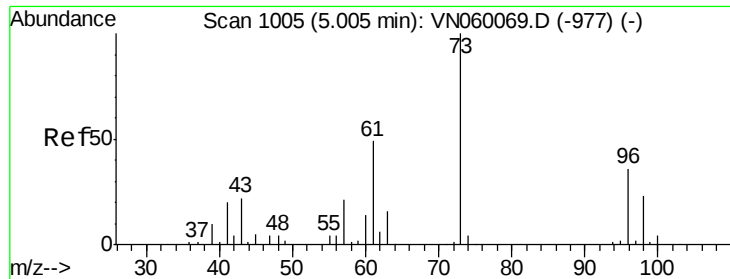
43 100

74 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060146.D (-690) (-)

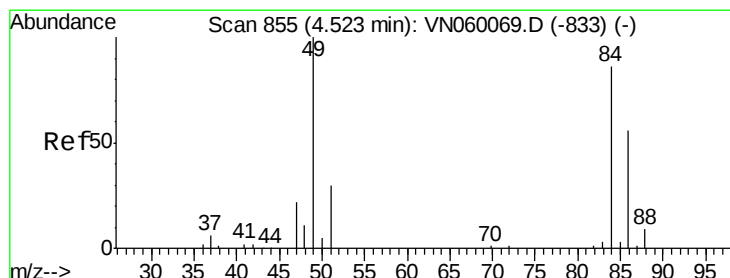
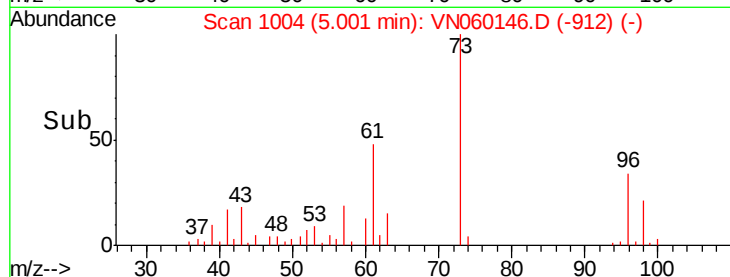
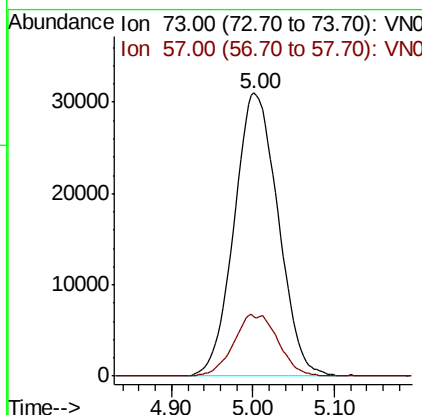
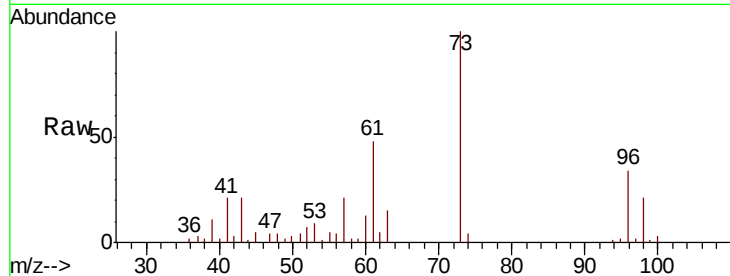




#19
Methvl tert-butvl Ether
Concen: 18.840 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

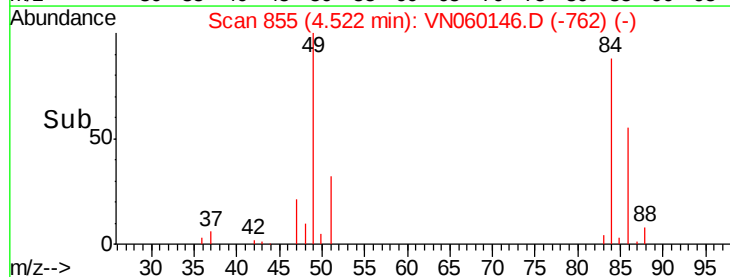
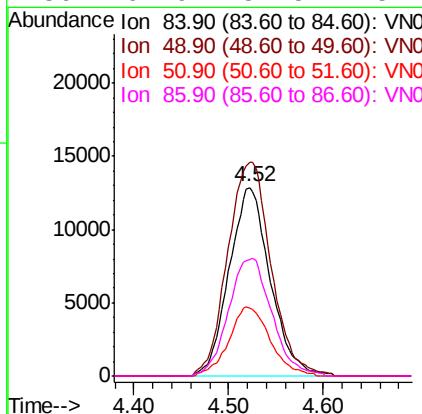
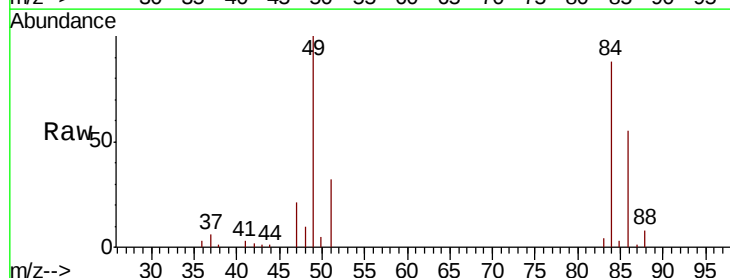
Instrument :
MSVOA_N
ClientSampleId :

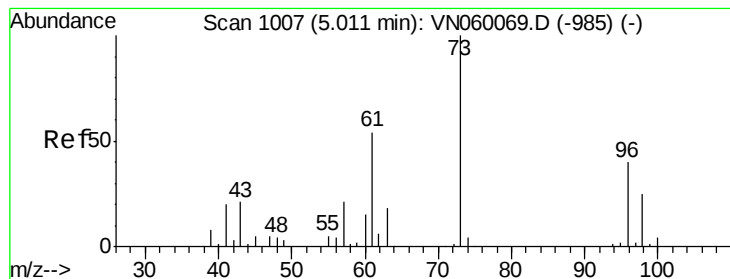
Tot Ion: 73 Resp: 116087
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8



#20
Methylene Chloride
Concen: 18.958 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 84 Resp: 38904
Ion Ratio Lower Upper
84 100
49 113.1 93.4 140.0
51 36.1 28.4 42.6
86 61.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.761 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

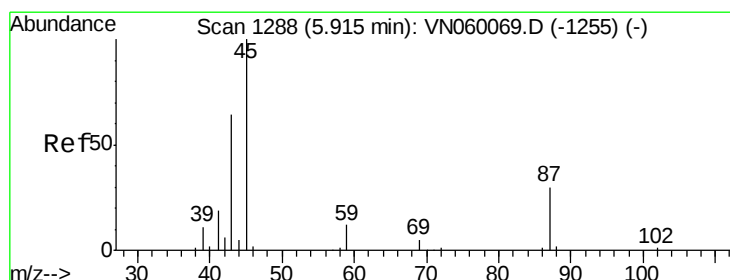
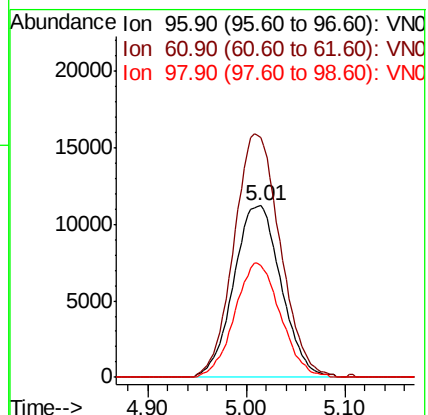
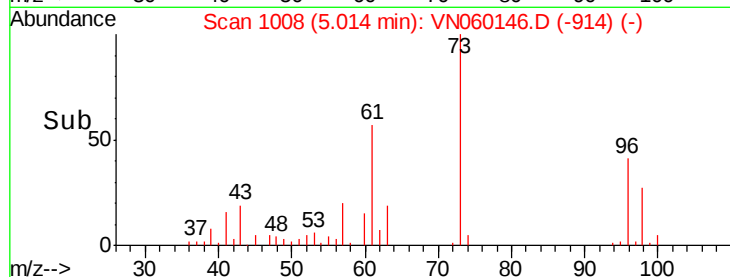
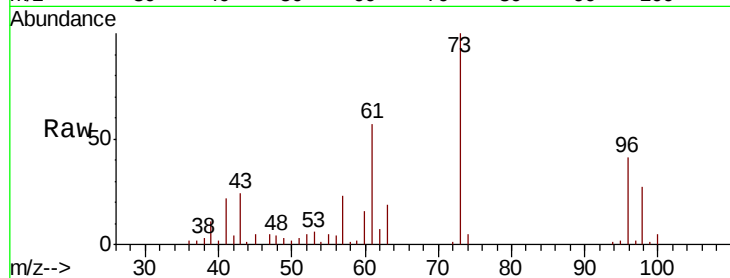
Tot Ion: 96 Resp: 37471

Ion Ratio Lower Upper

96 100

61 139.2 109.3 163.9

98 65.3 51.0 76.6



#22

Diisopropyl ether

Concen: 19.313 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion: 45 Resp: 114146

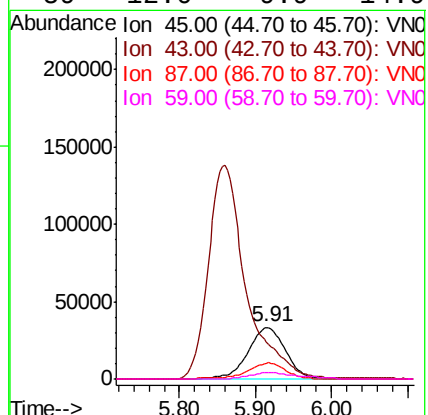
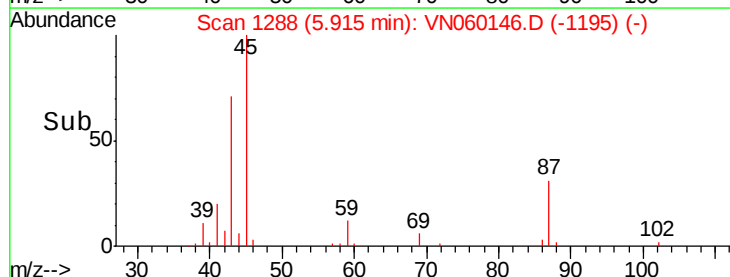
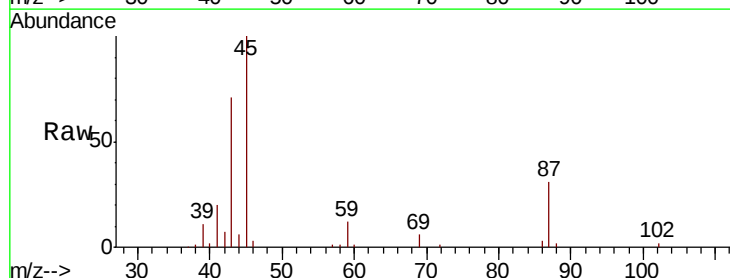
Ion Ratio Lower Upper

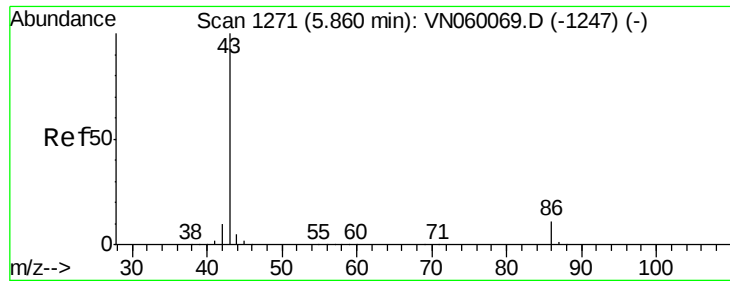
45 100

43 69.1 55.9 83.9

87 30.8 24.5 36.7

59 12.0 9.9 14.9





#23

Vinyl Acetate

Concen: 95.528 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

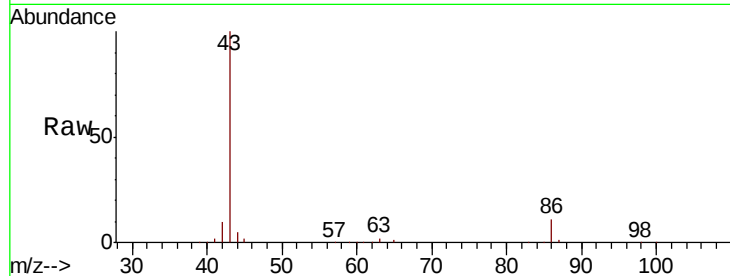
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 474126

Ion Ratio Lower Upper

43 100

86 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN060146.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060146.D (-1178) (-)

5.86

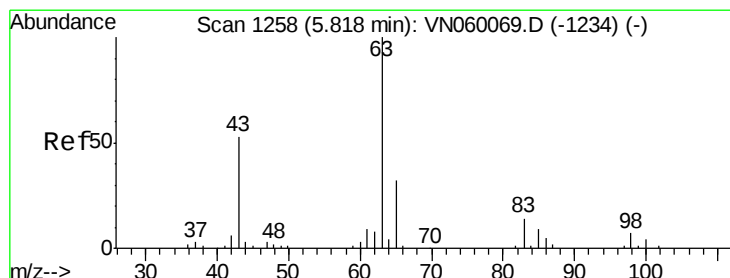
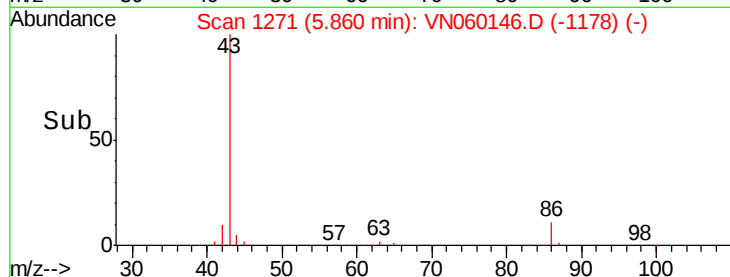
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.402 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

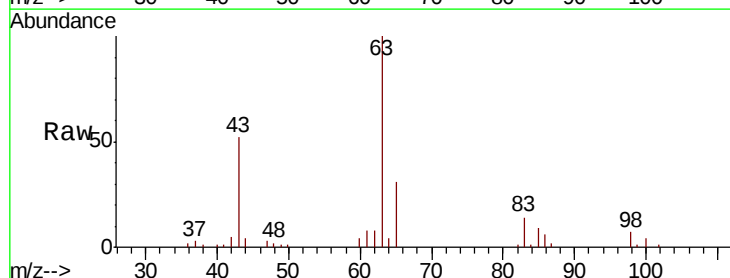
Tgt Ion: 63 Resp: 69464

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060146.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060146.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060146.D (-1165) (-)

5.82

30000

25000

20000

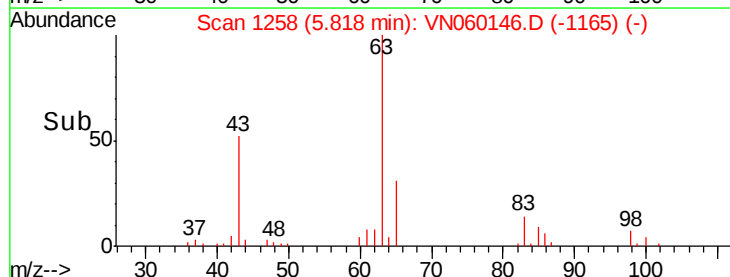
15000

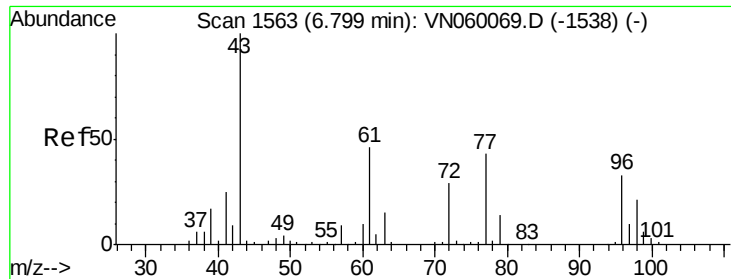
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 90.194 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

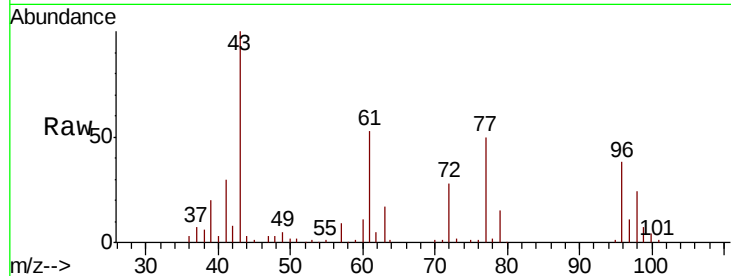
ClientSampled :

Tot Ion: 43 Resp: 116679

Ion Ratio Lower Upper

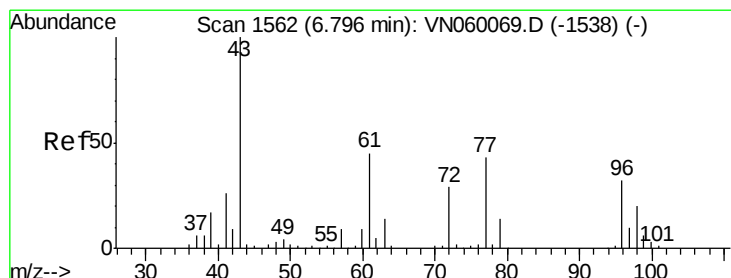
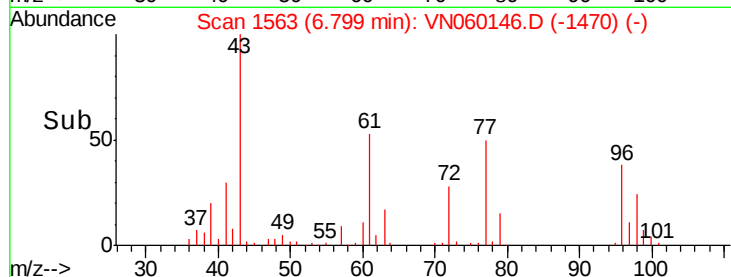
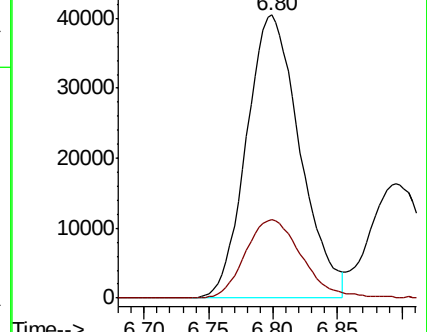
43 100

72 27.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)



#26

2,2-Dichloropropane

Concen: 19.165 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060146.D

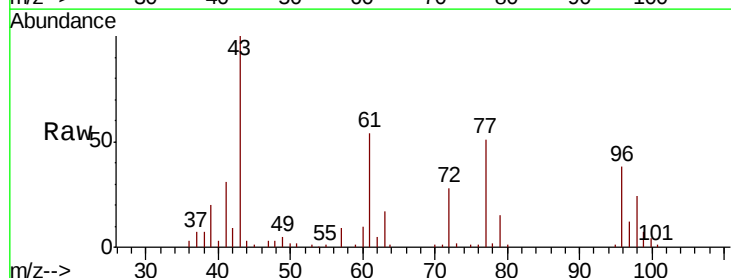
Acq: 19 Feb 2020 11:19

Tgt Ion: 77 Resp: 65175

Ion Ratio Lower Upper

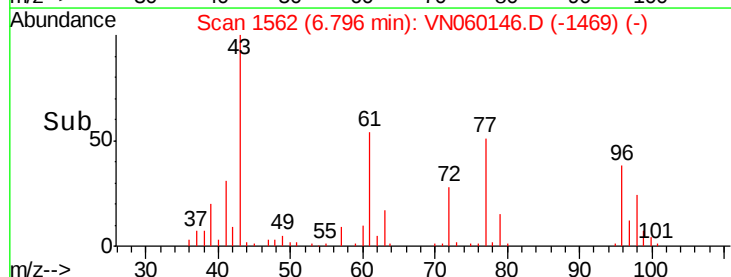
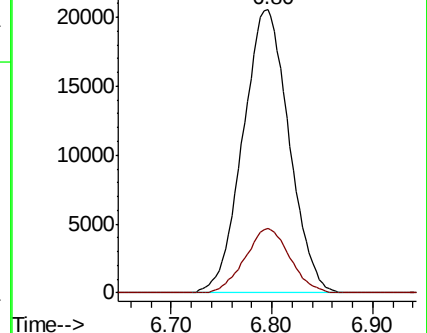
77 100

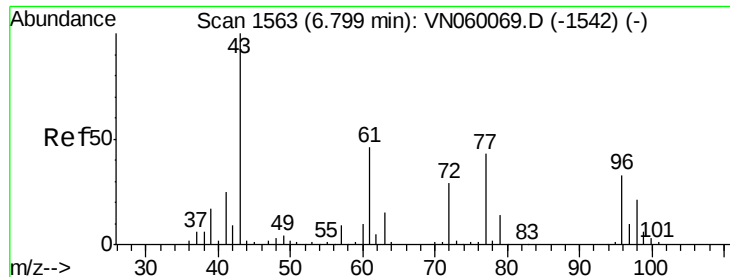
97 22.1 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.029 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

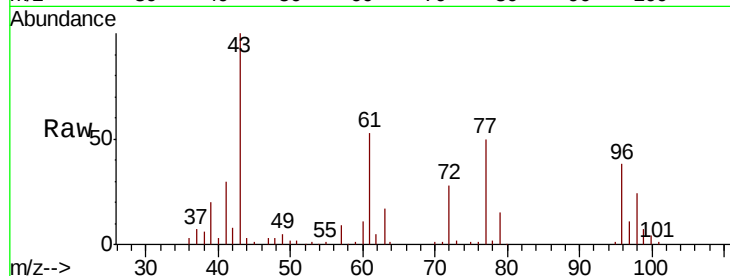
Tot Ion: 96 Resp: 44478

Ion Ratio Lower Upper

96 100

61 142.2 0.0 285.8

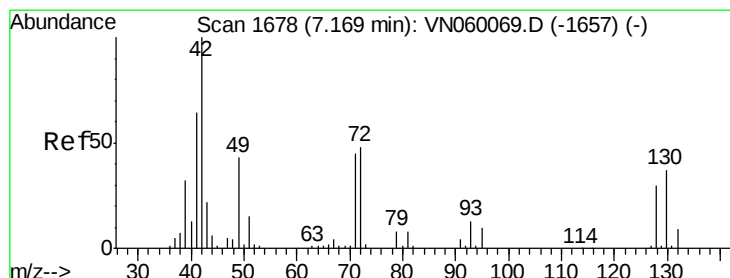
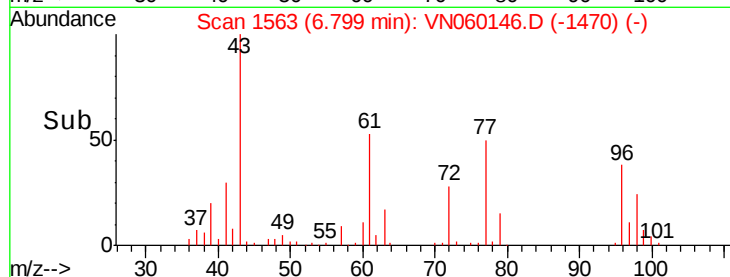
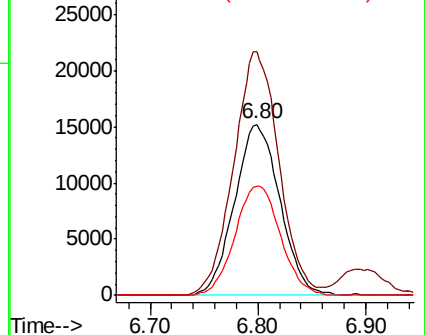
98 64.2 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060069.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN060069.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1542) (-)



#28

Bromochloromethane

Concen: 18.858 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

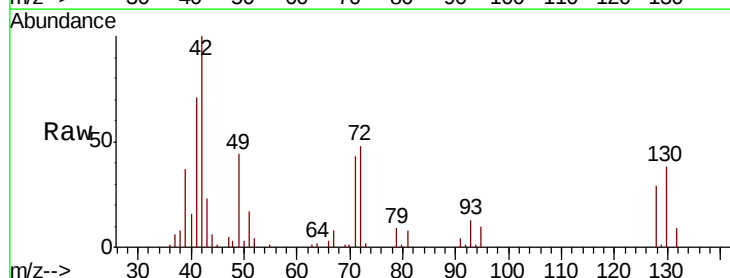
Tgt Ion: 49 Resp: 26544

Ion Ratio Lower Upper

49 100

129 1.1 0.0 2.2

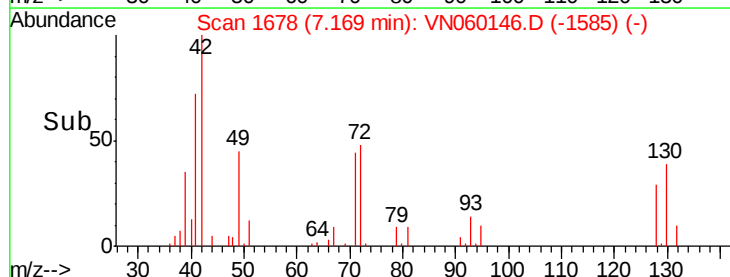
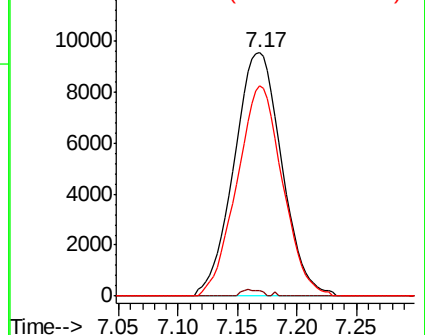
130 82.4 66.8 100.2

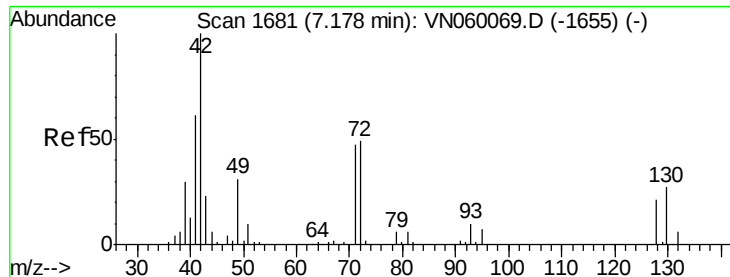


Abundance Ion 48.90 (48.60 to 49.60): VN060069.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN060069.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN060069.D (-1657) (-)

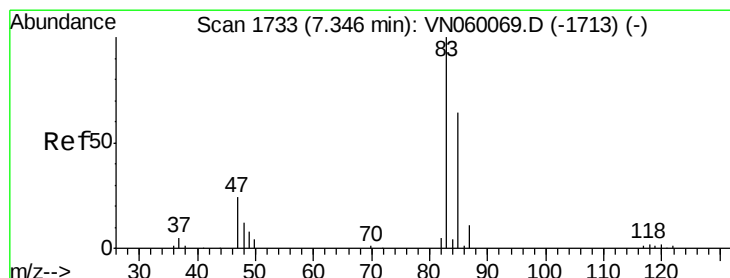
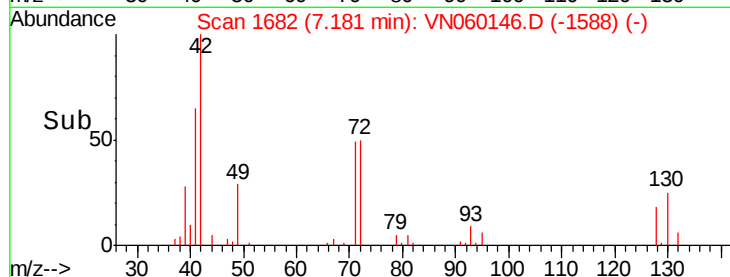
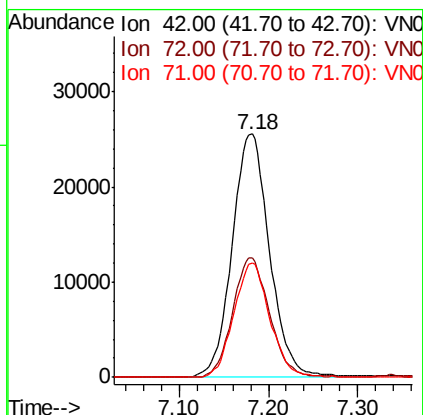
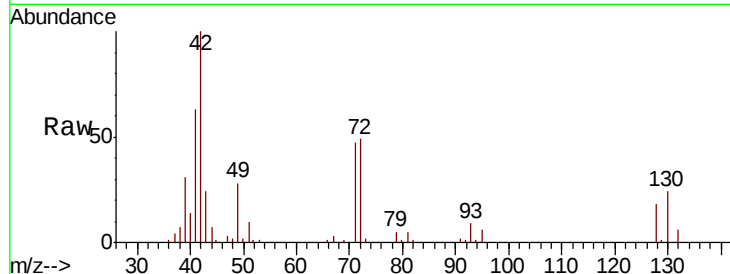




#29
Tetrahydrofuran
Concen: 93.603 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

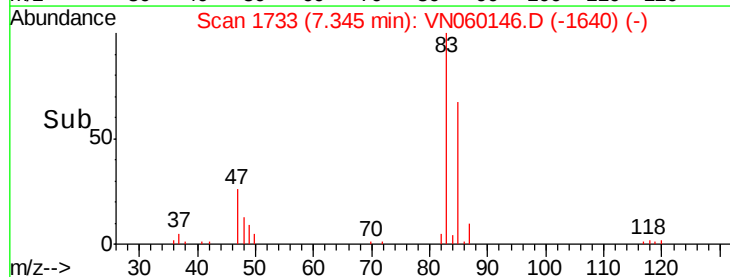
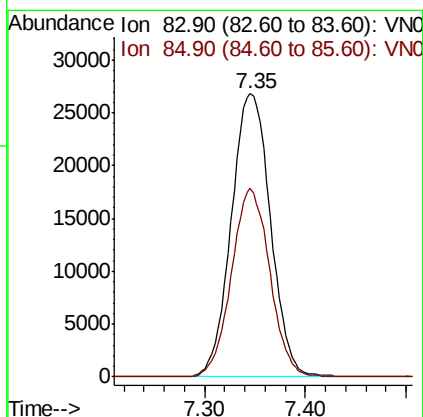
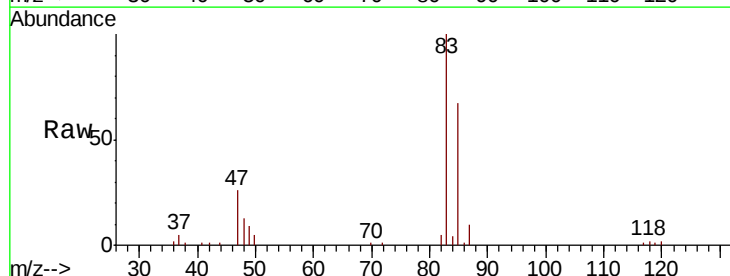
Instrument :
MSVOA_N
ClientSampled :

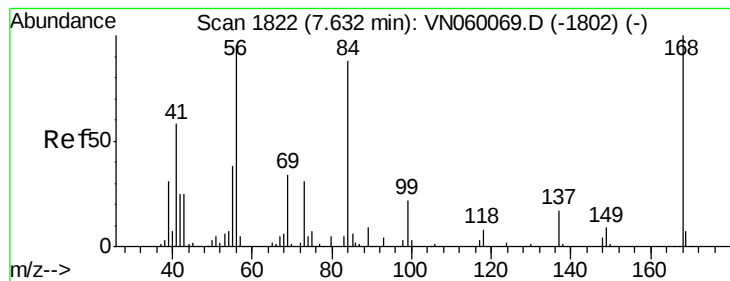
Tot Ion: 42 Resp: 74286
Ion Ratio Lower Upper
42 100
72 48.2 38.2 57.4
71 45.0 36.6 54.8



#30
Chloroform
Concen: 19.286 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 83 Resp: 72330
Ion Ratio Lower Upper
83 100
85 66.7 51.4 77.0





#31

Cyclohexane

Concen: 19.341 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

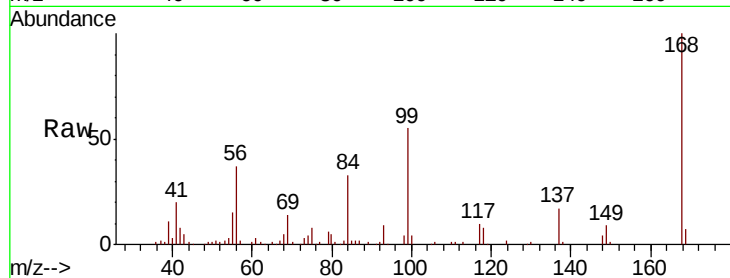
Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 64505

Ion	Ratio	Lower	Upper
56	100		
69	38.4	28.3	42.5
84	88.3	72.6	108.8

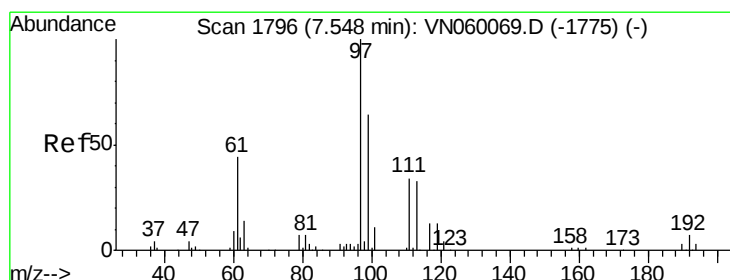
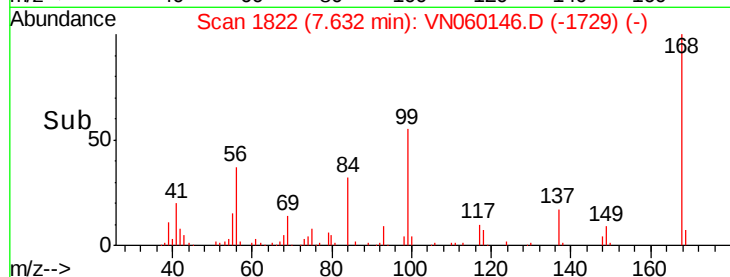
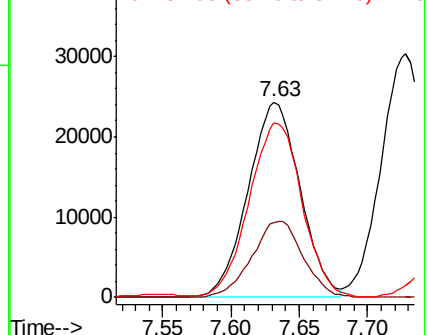


Abundance

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: 19.135 ug/l

RT: 7.54 min Scan# 1795

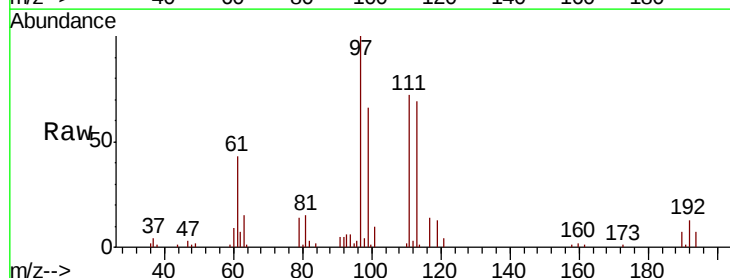
Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion: 97 Resp: 65580

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	43.4	34.9	52.3

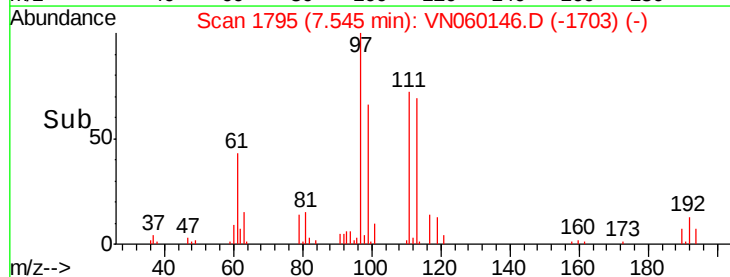
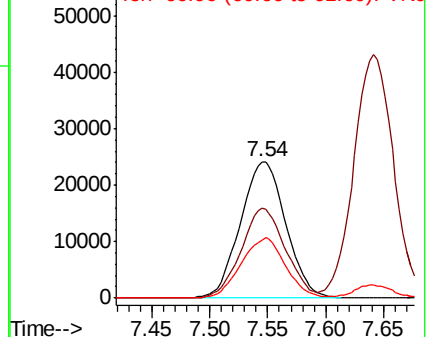


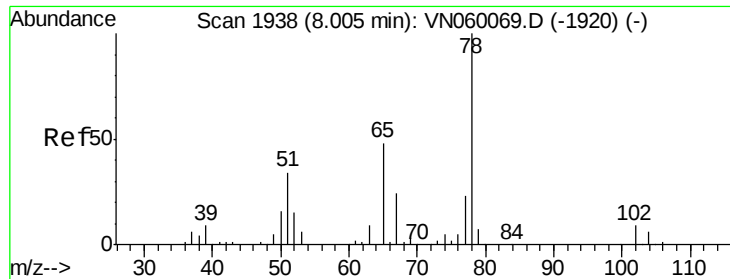
Abundance

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

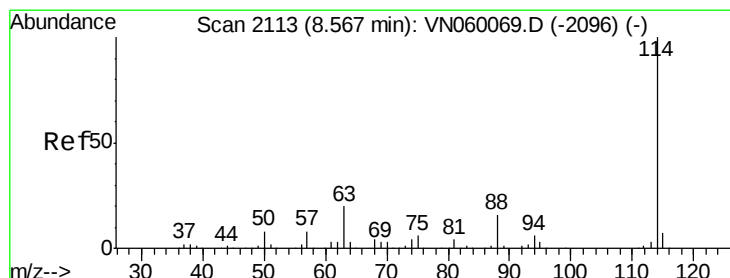
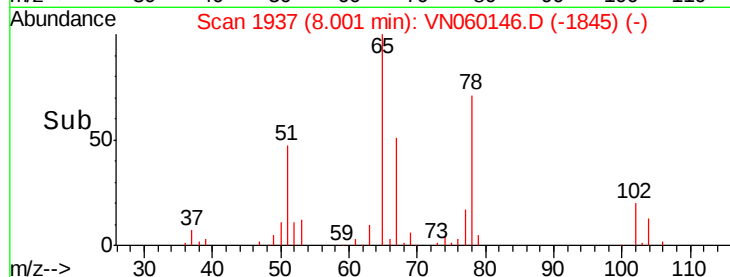
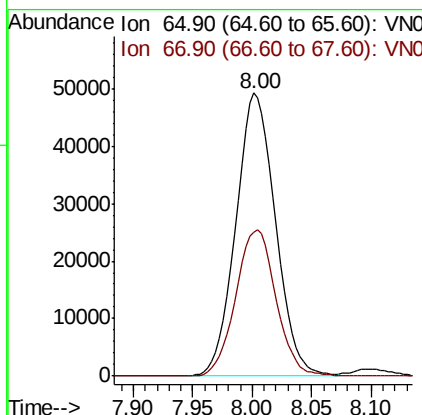
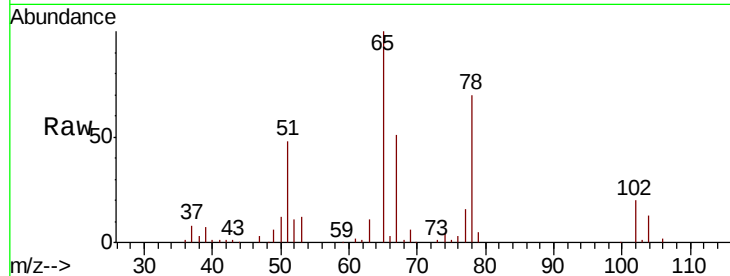




#33
 1,2-Dichloroethane-d4
 Concen: 48.201 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

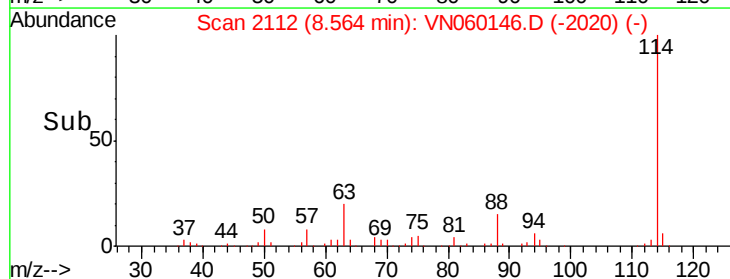
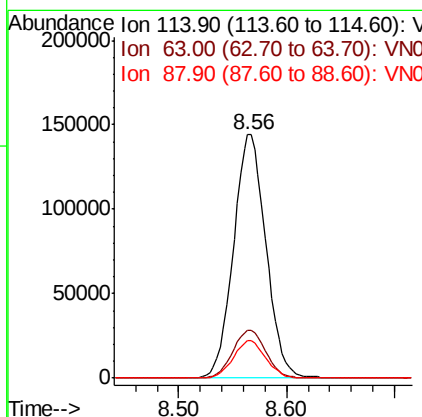
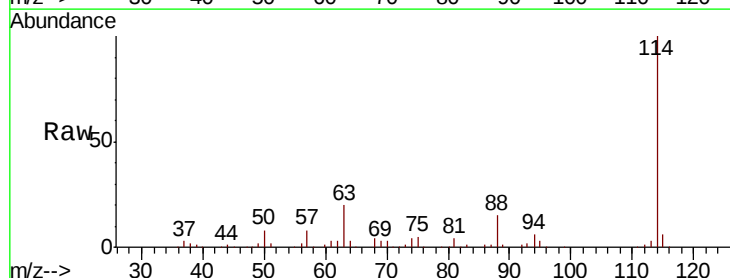
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 113663
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 114 Resp: 301794
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.3 0.0 31.6

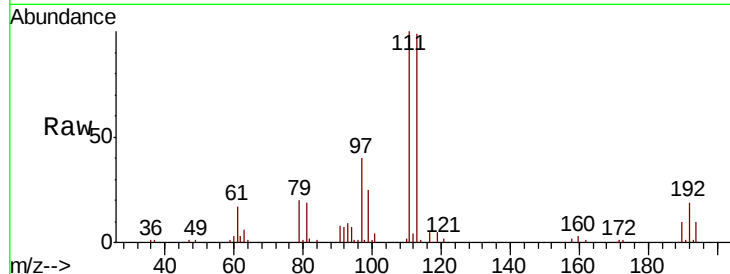




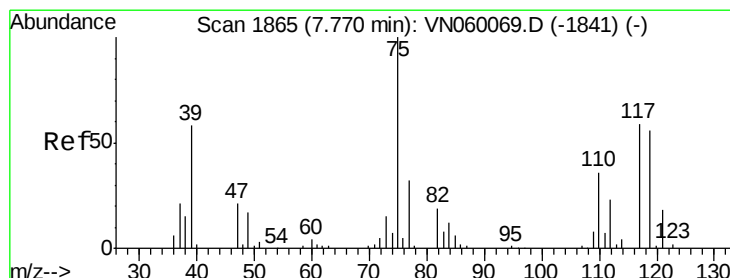
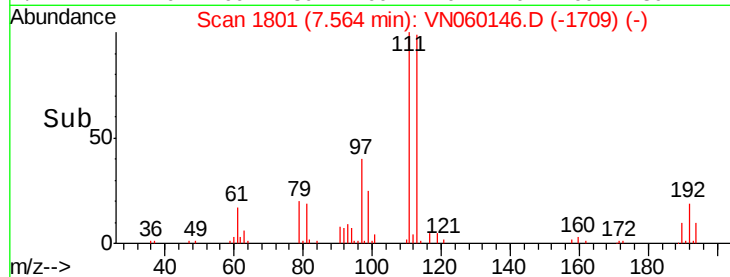
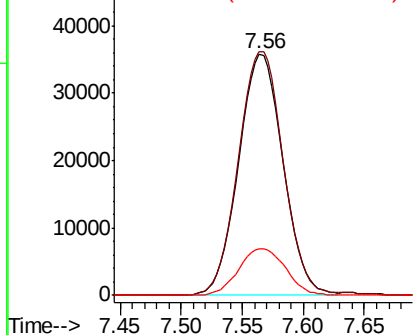
#35
 Dibromofluoromethane
 Concen: 48.668 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 90286
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 20.3 16.2 24.2

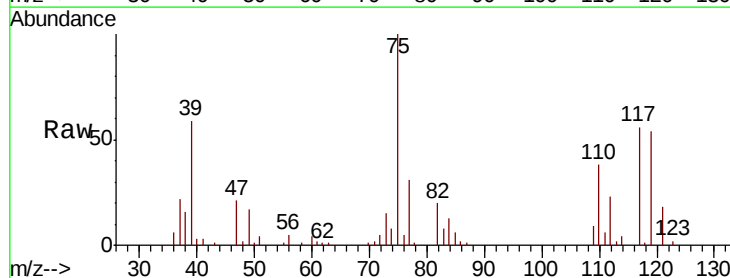


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

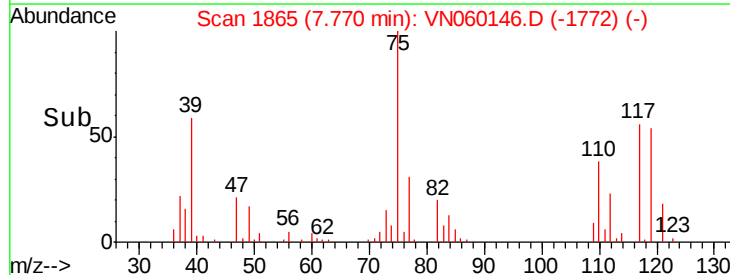
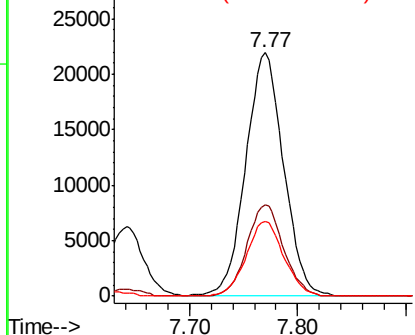


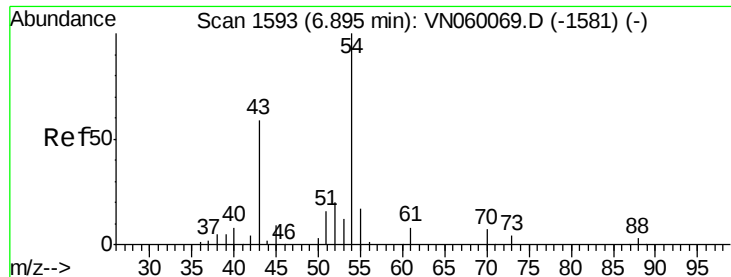
#36
 1,1-Dichloropropene
 Concen: 19.144 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 75 Resp: 53514
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.3
 77 30.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

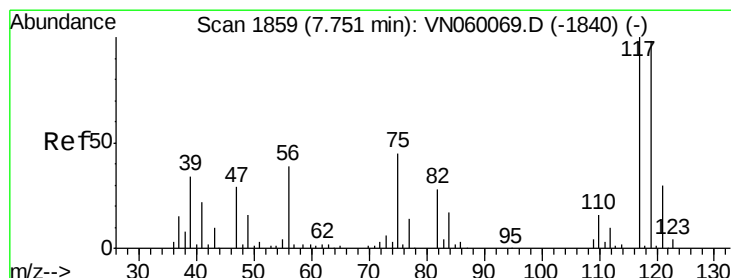
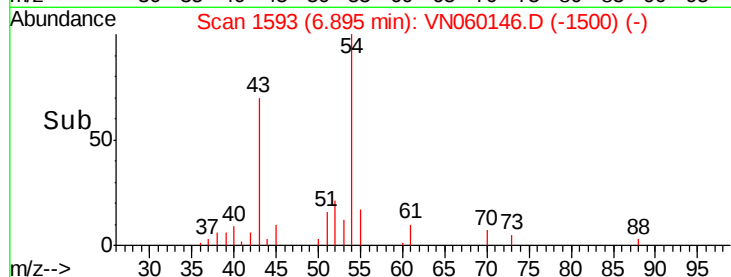
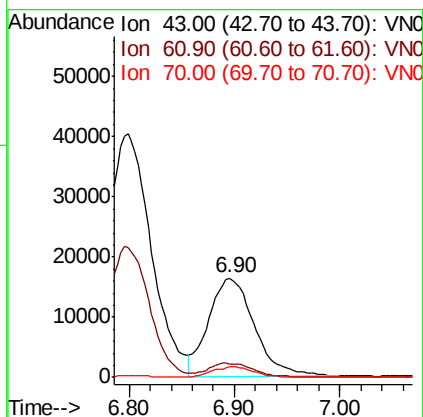
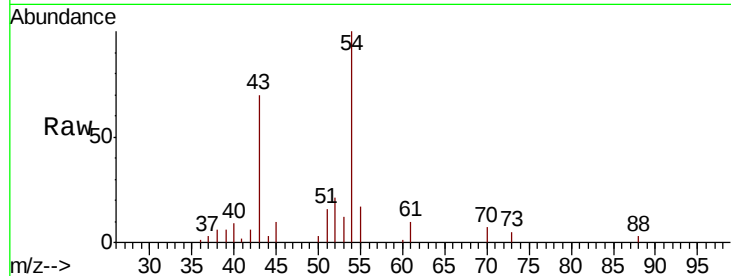




#37
Ethyl Acetate
Concen: 19.469 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

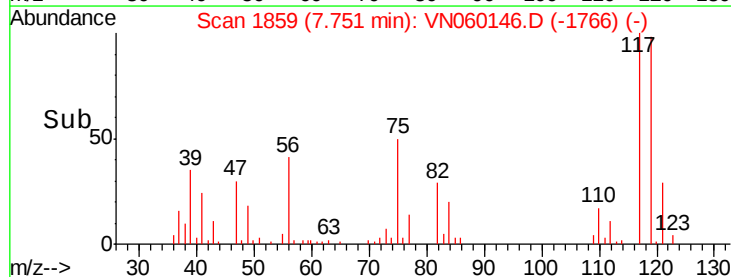
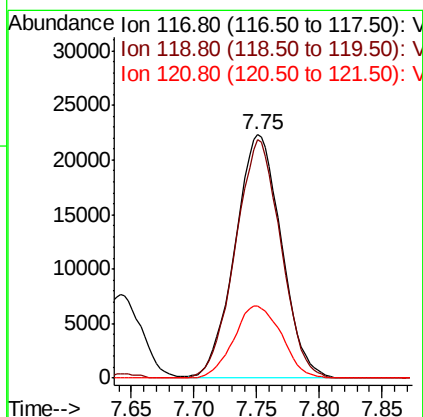
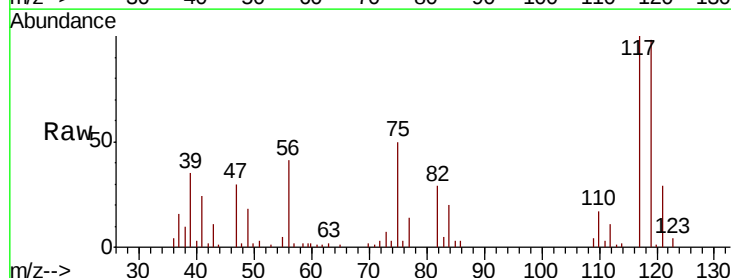
Instrument :
MSVOA_N
ClientSampled :

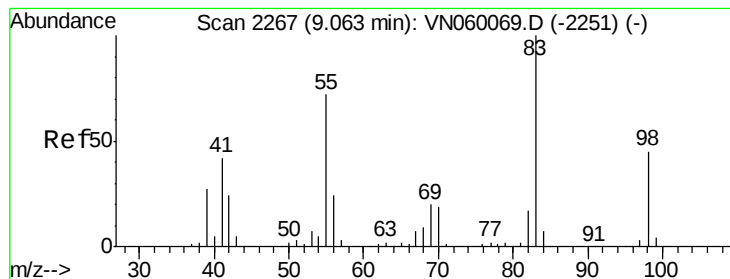
Tot Ion: 43 Resp: 49185
Ion Ratio Lower Upper
43 100
61 14.5 11.4 17.2
70 9.7 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.877 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 117 Resp: 57307
Ion Ratio Lower Upper
117 100
119 98.0 78.2 117.4
121 29.4 24.2 36.2





#39

Methvlcvclohexane

Concen: 19.005 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

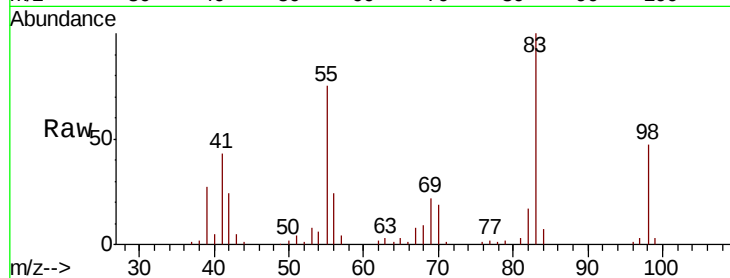
Tot Ion: 83 Resp: 65946

Ion Ratio Lower Upper

83 100

55 74.8 57.8 86.8

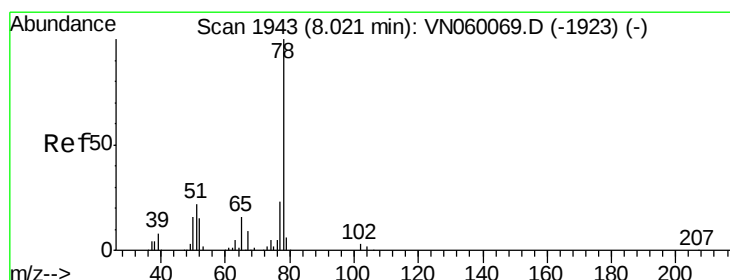
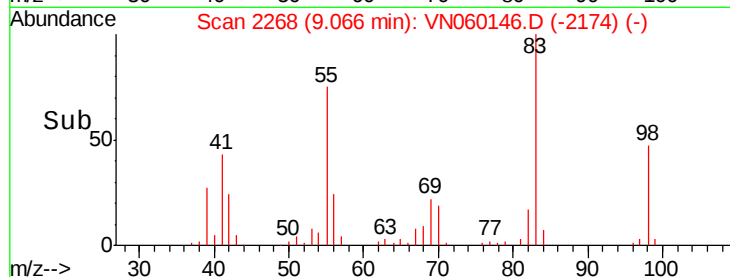
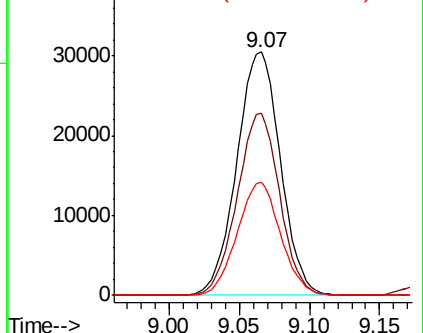
98 46.6 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VN060069.D (-2251) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-2251) (-)

Ion 98.00 (97.70 to 98.70): VN060069.D (-2251) (-)



#40

Benzene

Concen: 18.981 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060146.D

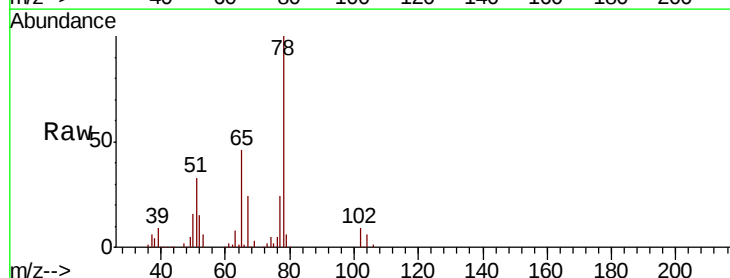
Acq: 19 Feb 2020 11:19

Tgt Ion: 78 Resp: 157393

Ion Ratio Lower Upper

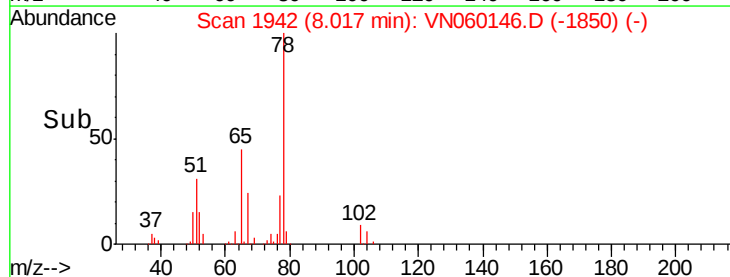
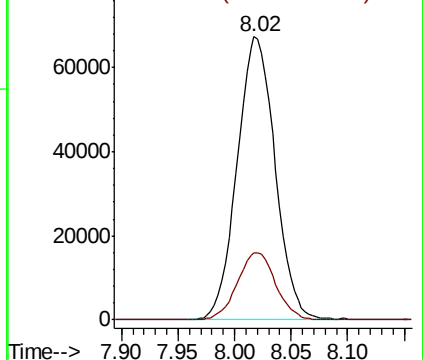
78 100

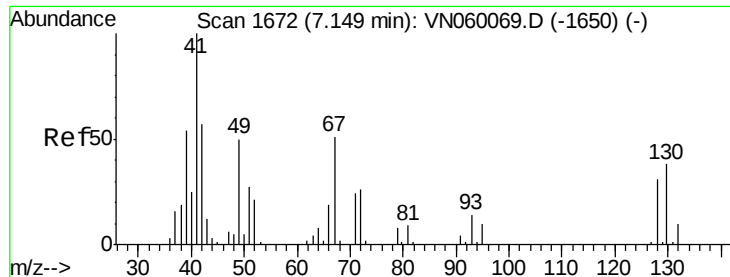
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN060069.D (-1923) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-1923) (-)

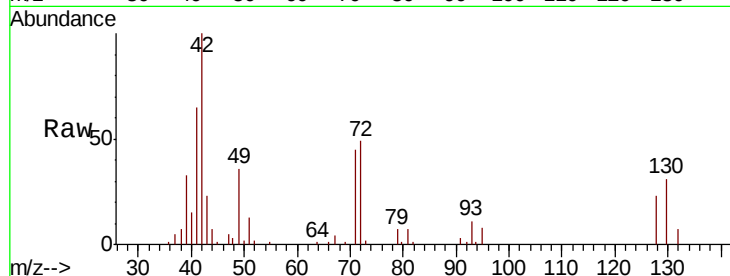




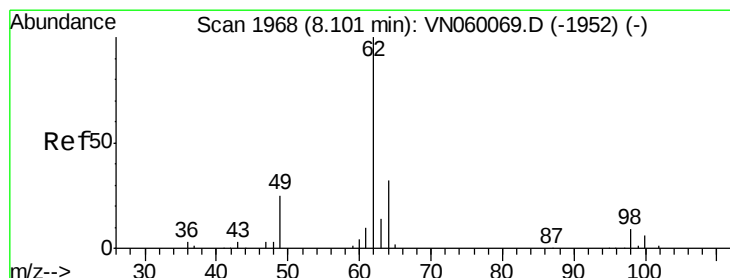
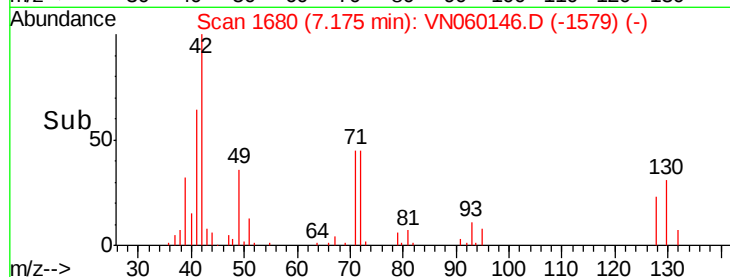
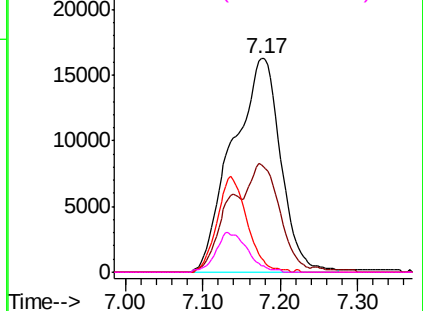
#41
Methacrylonitrile
Concen: 66.943 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	70925
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

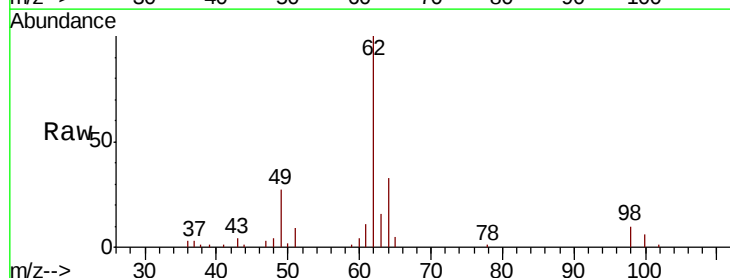


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

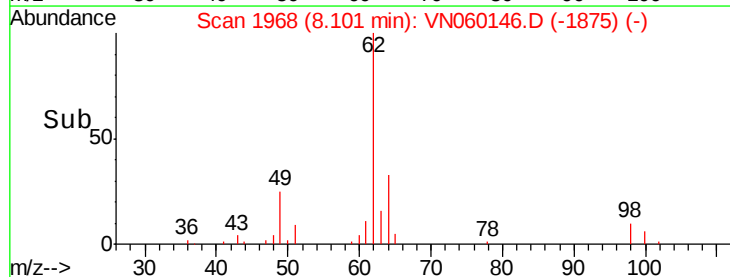
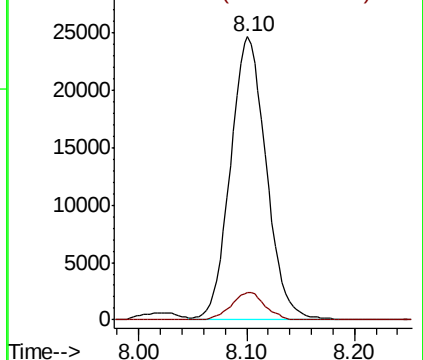


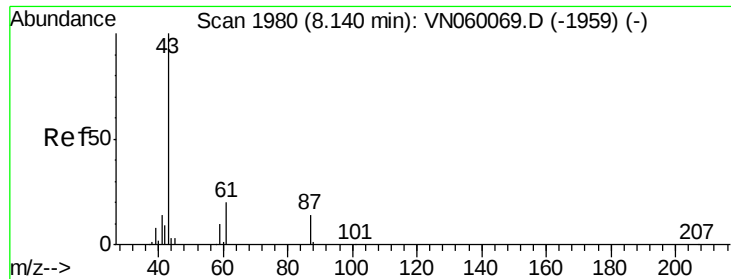
#42
1,2-Dichloroethane
Concen: 19.565 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:	62	Resp:	56860
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

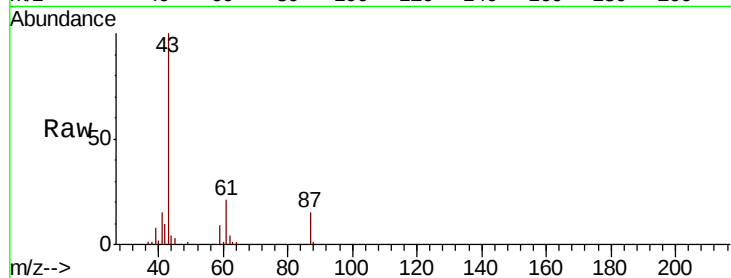




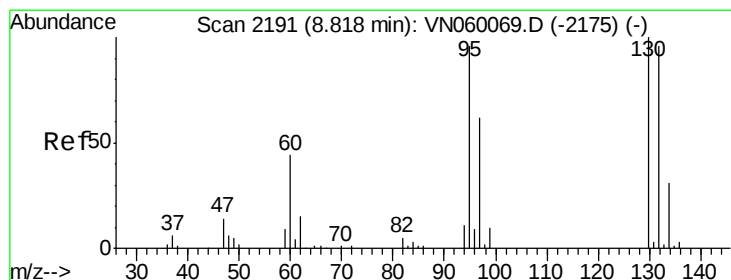
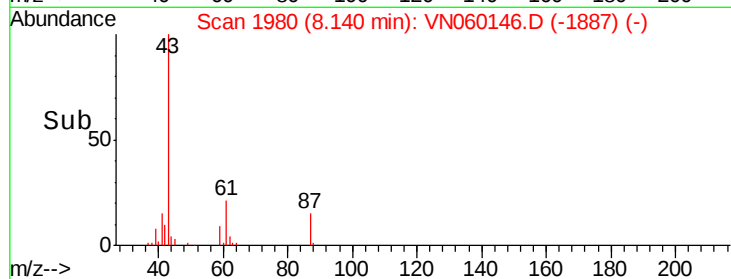
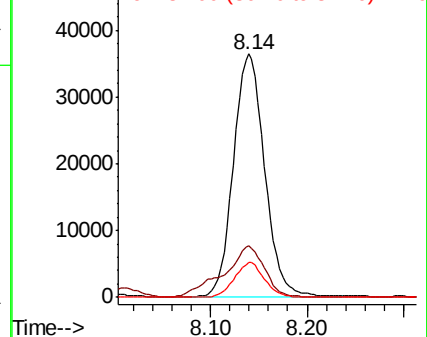
#43
Isopropyl Acetate
Concen: 19.028 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 82175
Ion Ratio Lower Upper
43 100
61 27.5 21.8 32.6
87 13.5 11.4 17.2

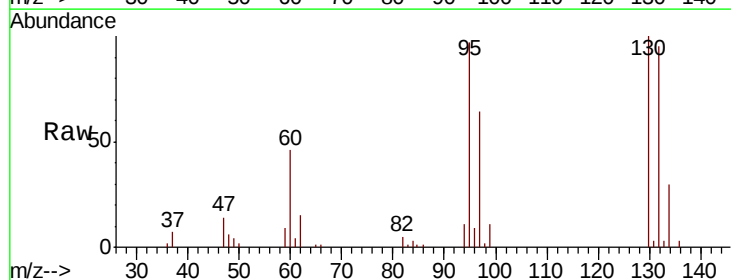


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

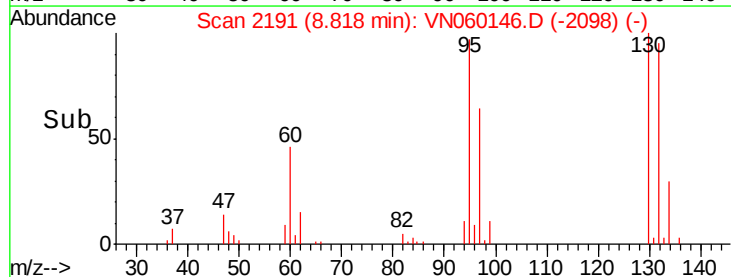
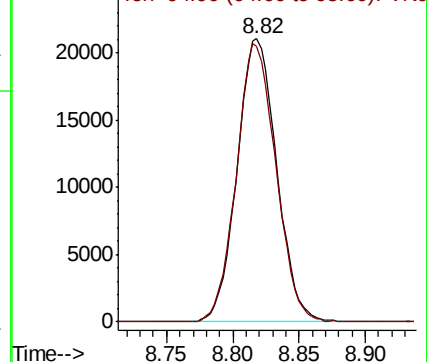


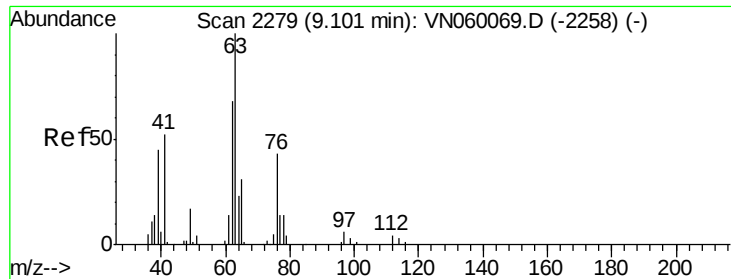
#44
Trichloroethene
Concen: 19.005 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:130 Resp: 43635
Ion Ratio Lower Upper
130 100
95 97.5 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

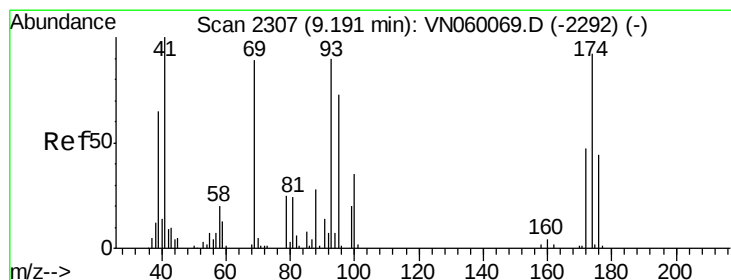
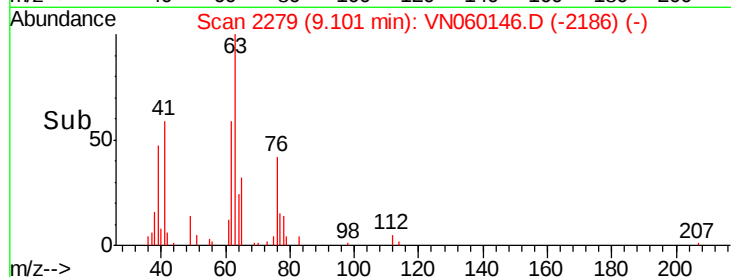
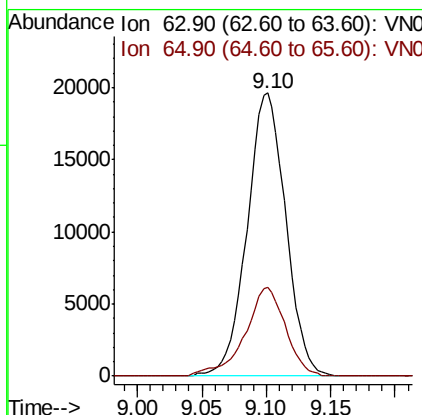
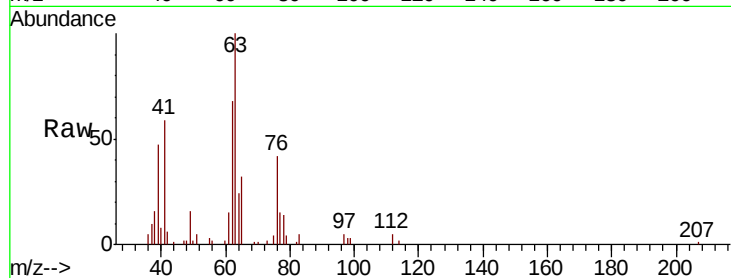




#45
 1,2-Dichloropropane
 Concen: 19.962 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

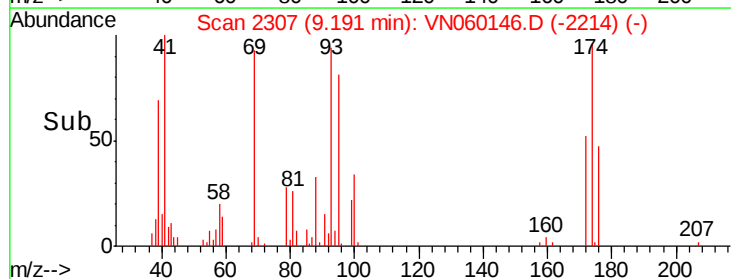
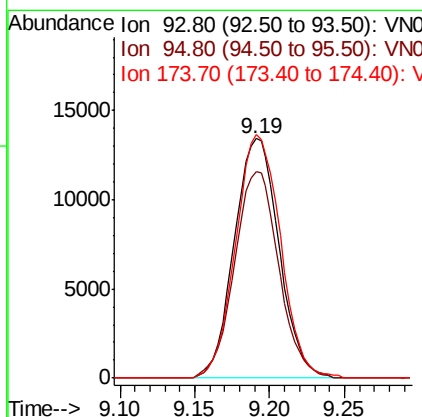
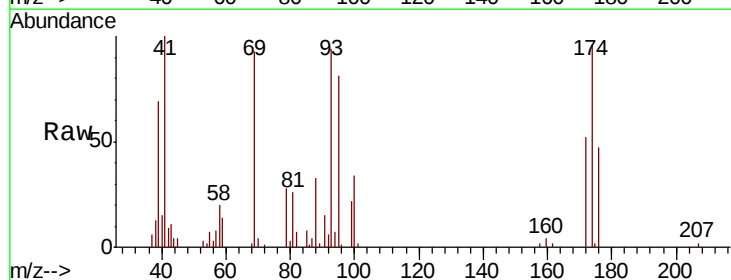
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 40980
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4



#46
 Dibromomethane
 Concen: 19.304 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 93 Resp: 28005
 Ion Ratio Lower Upper
 93 100
 95 85.4 65.0 97.6
 174 101.6 82.3 123.5

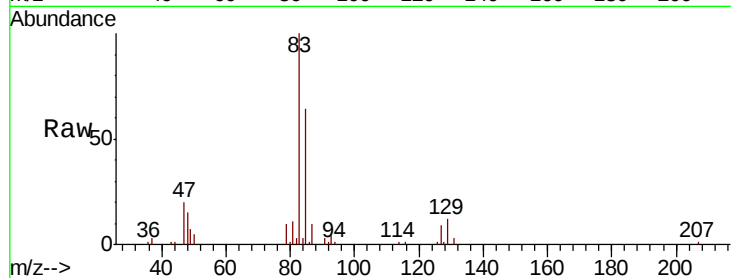




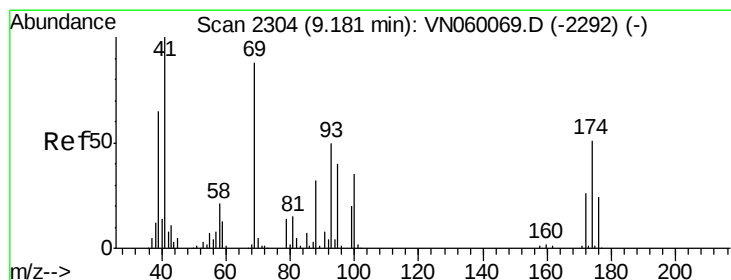
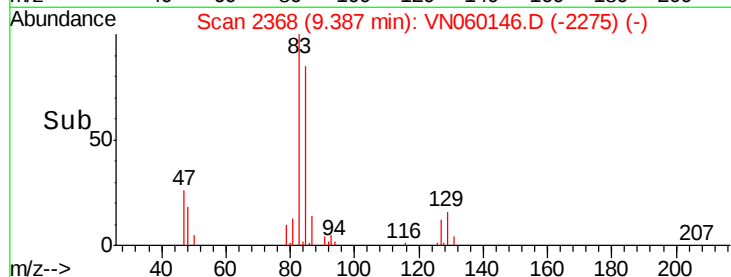
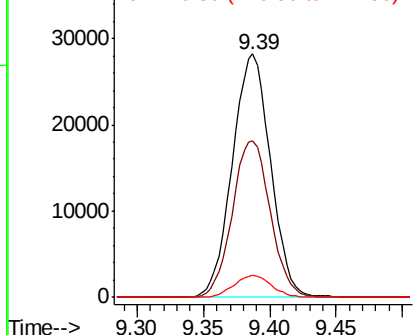
#47
 Bromodichloromethane
 Concen: 19.146 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 83 Resp: 56469
 Ion Ratio Lower Upper
 83 100
 85 64.2 50.6 75.8
 127 8.9 7.0 10.6

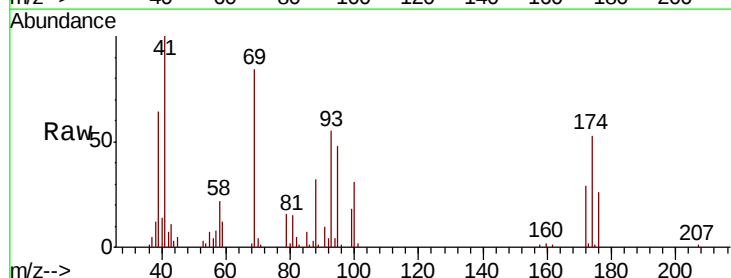


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

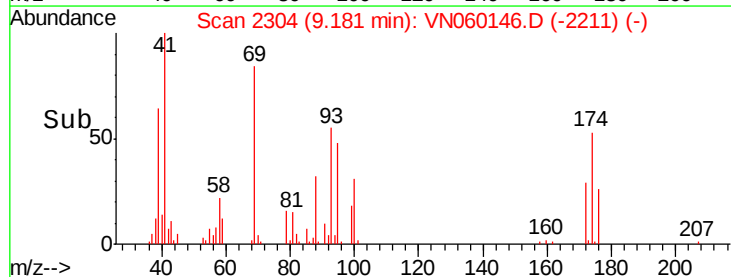
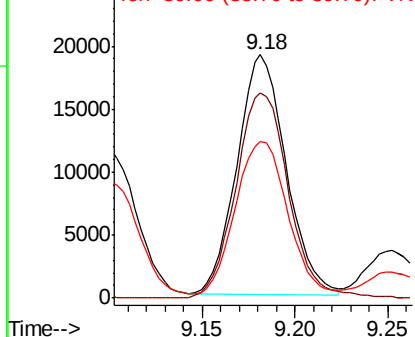


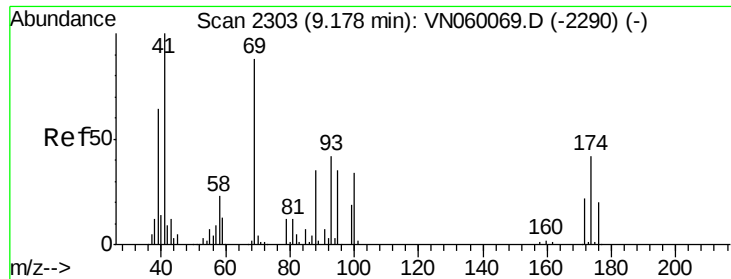
#48
 Methyl methacrylate
 Concen: 18.093 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 41 Resp: 35057
 Ion Ratio Lower Upper
 41 100
 69 92.4 72.0 108.0
 39 68.2 54.1 81.1



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

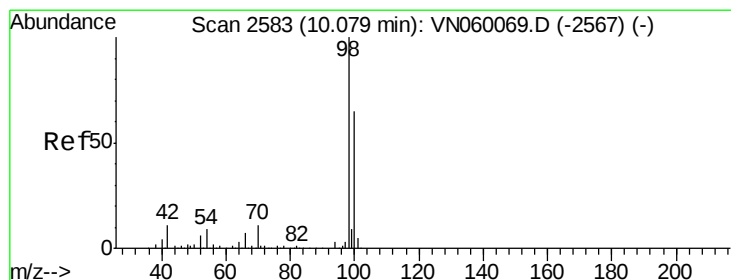
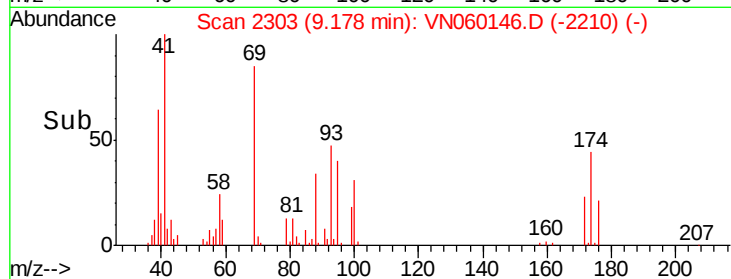
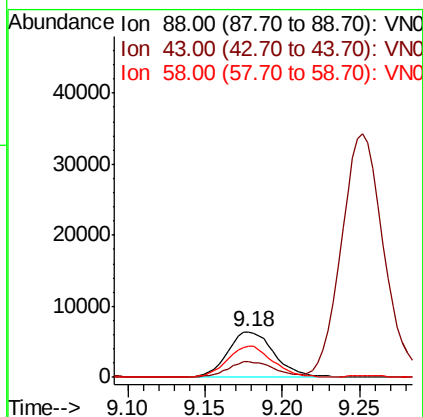
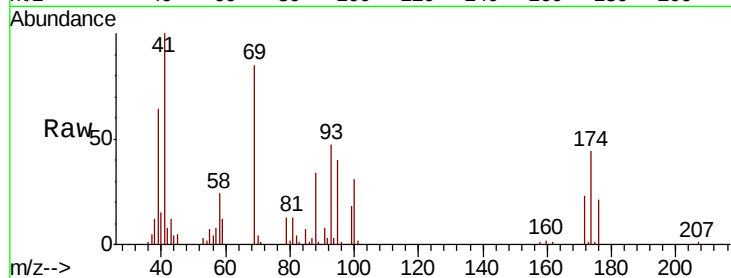




#49
 1,4-Dioxane
 Concen: 404.340 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

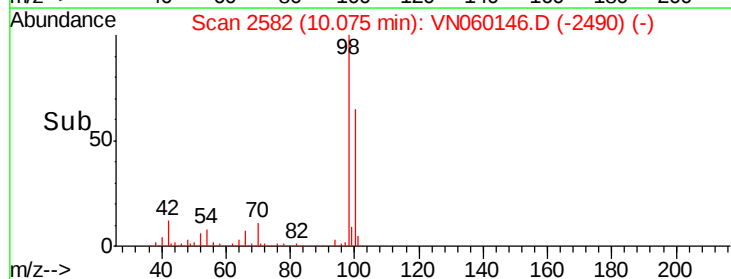
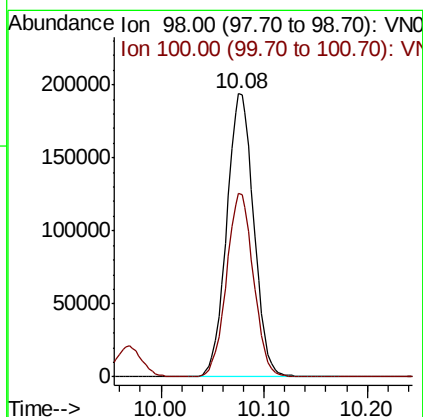
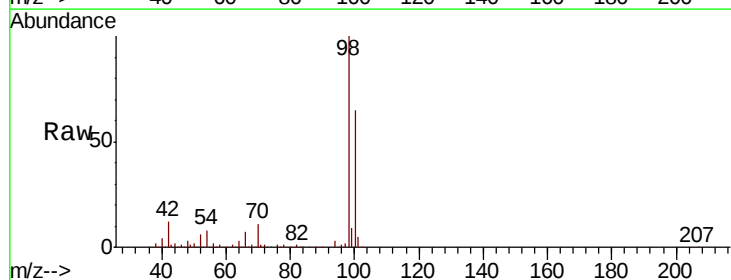
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 13386
 Ion Ratio Lower Upper
 88 100
 43 33.7 26.2 39.2
 58 66.1 53.2 79.8



#50
 Toluene-d8
 Concen: 48.528 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 98 Resp: 354519
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 95.998 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

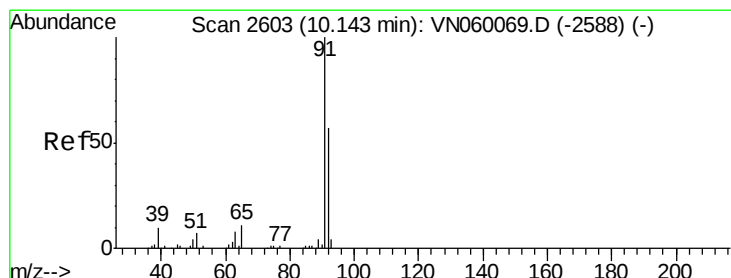
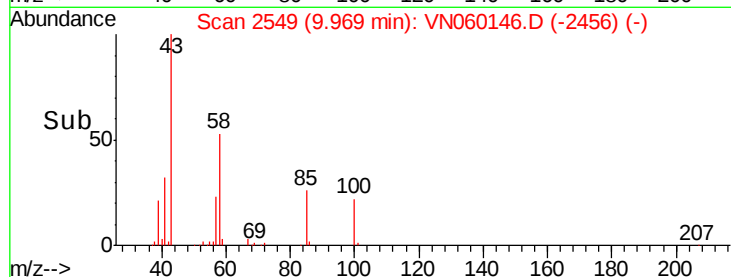
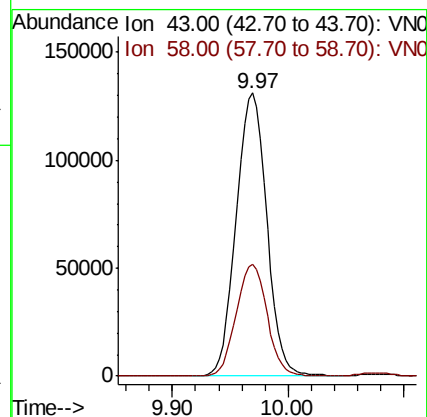
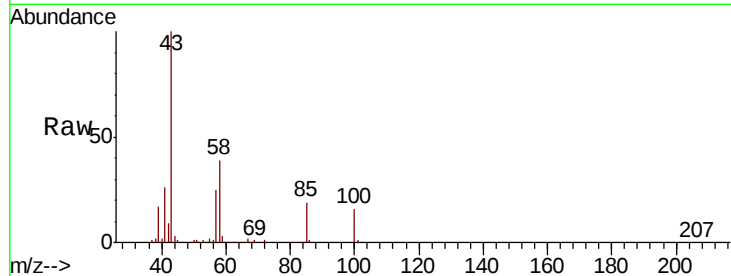
ClientSampleId :

Tot Ion: 43 Resp: 239963

Ion Ratio Lower Upper

43 100

58 39.7 31.8 47.8



#52

Toluene

Concen: 19.123 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060146.D

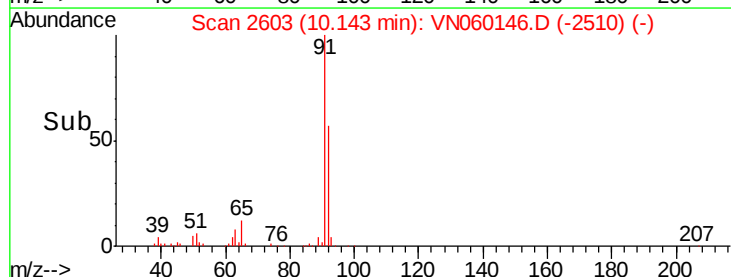
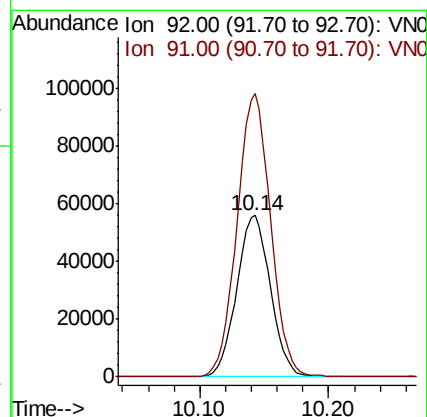
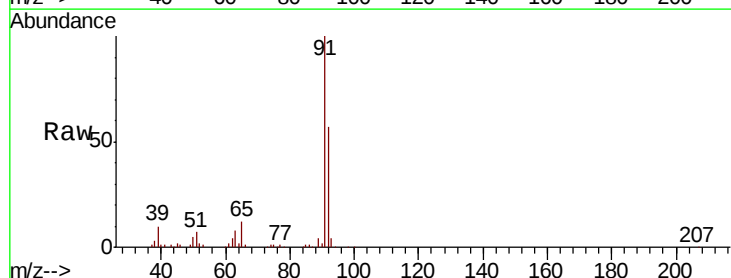
Acq: 19 Feb 2020 11:19

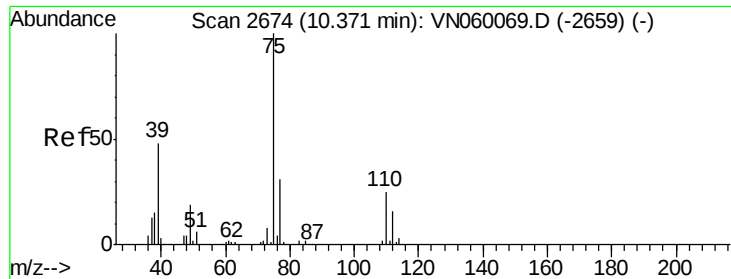
Tgt Ion: 92 Resp: 101683

Ion Ratio Lower Upper

92 100

91 174.8 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 19.246 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

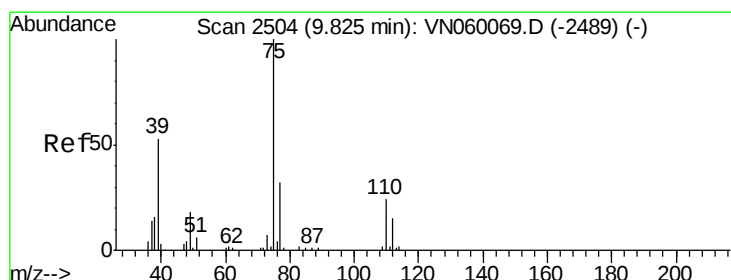
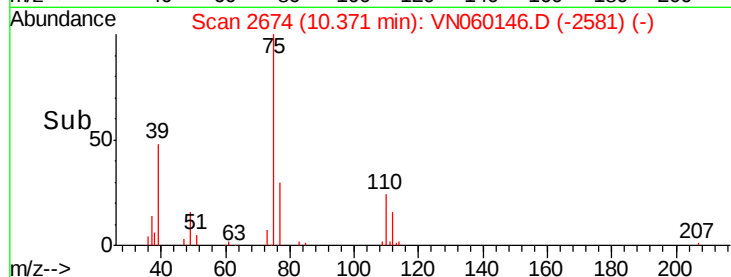
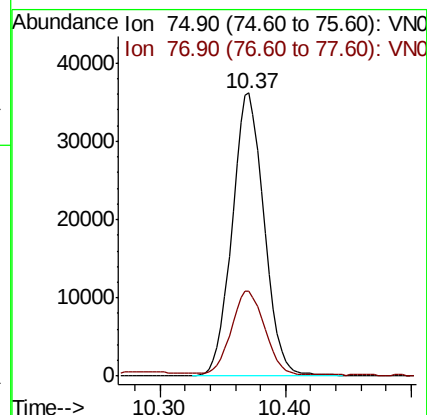
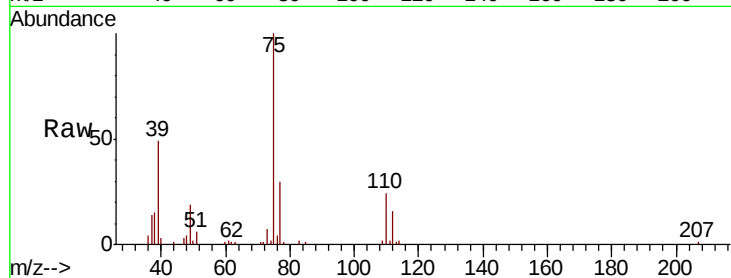
ClientSampled :

Tot Ion: 75 Resp: 64073

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.124 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

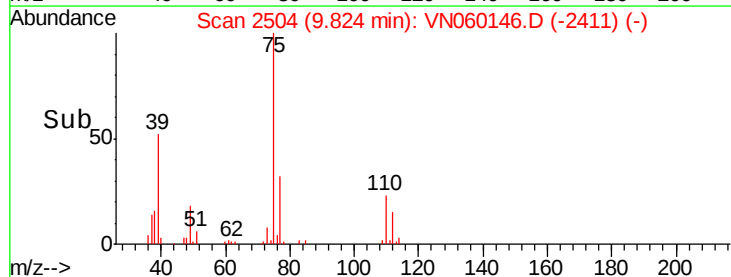
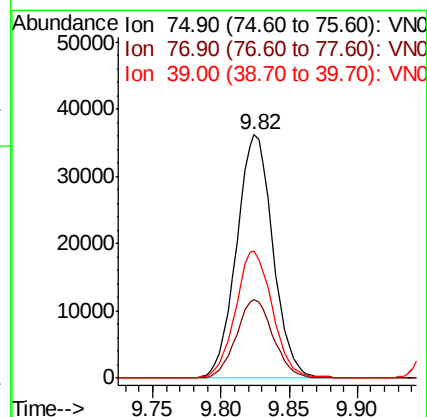
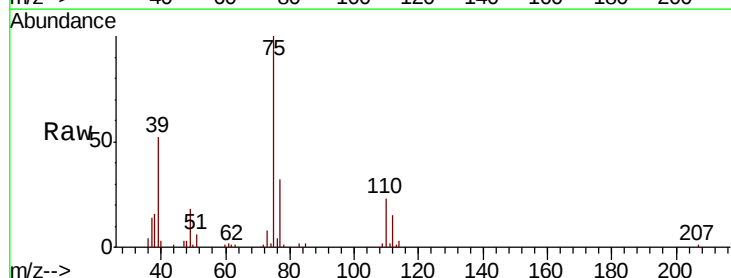
Tgt Ion: 75 Resp: 67042

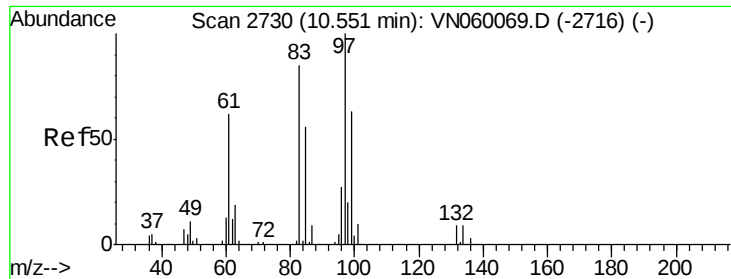
Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

39 52.1 42.2 63.4

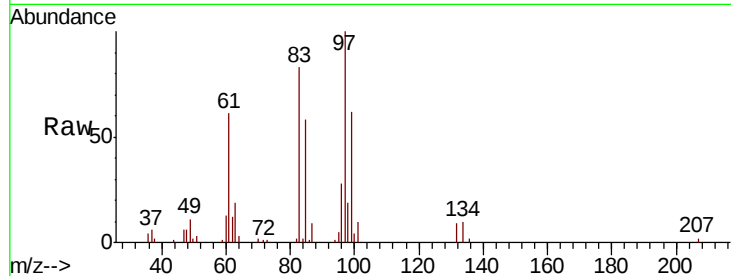




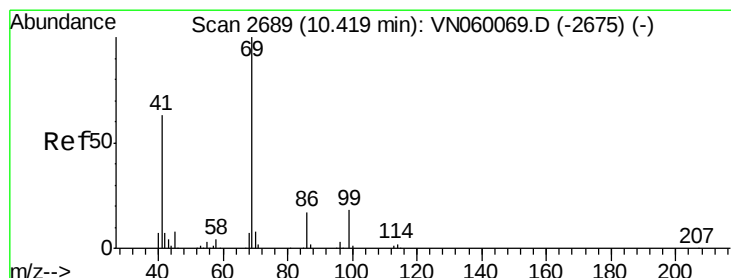
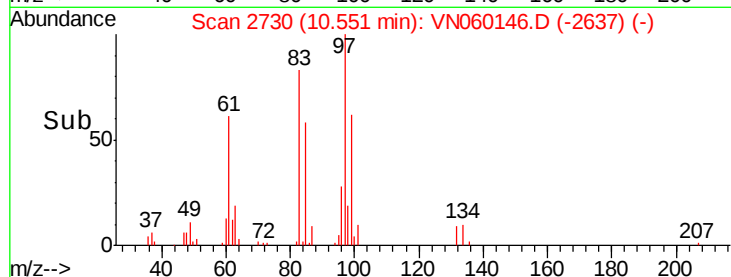
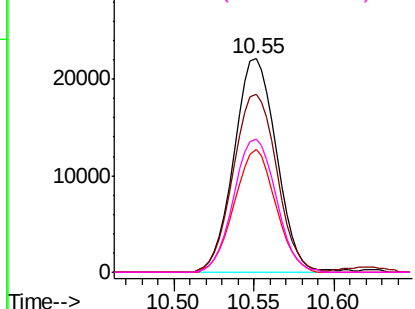
#55
 1,1,2-Trichloroethane
 Concen: 19.293 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	40023
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.9	101.9
85	57.8	44.6	67.0
99	62.3	50.1	75.1

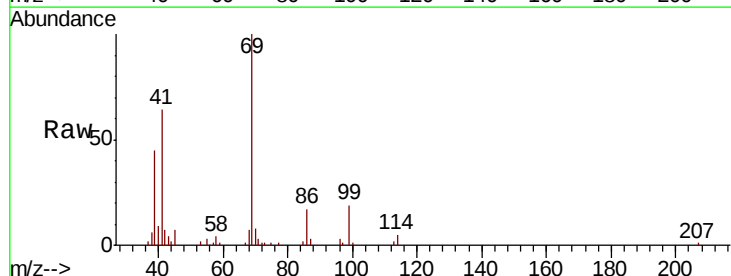


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

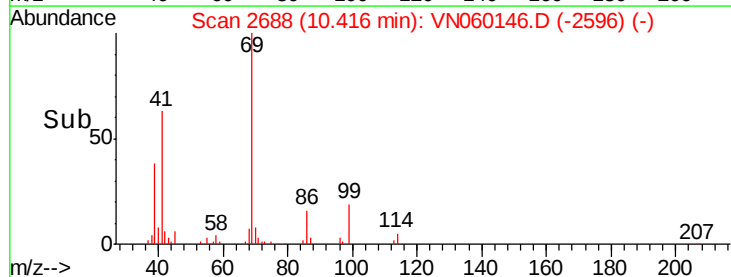
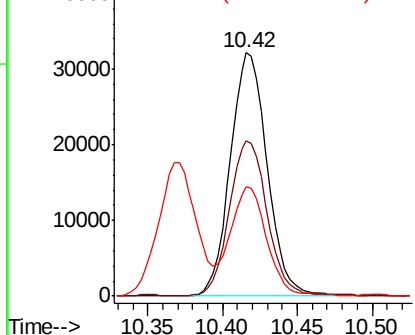


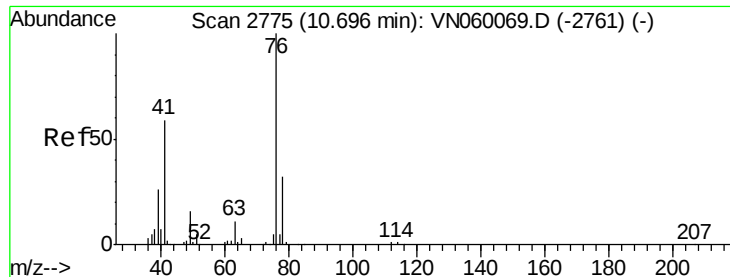
#56
 Ethyl methacrylate
 Concen: 18.846 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion:	69	Resp:	55306
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.1	76.7
39	45.0	33.8	50.8



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





#57

1,3-Dichloropropane

Concen: 19.464 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

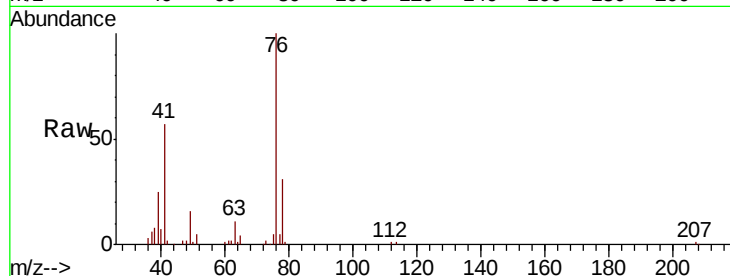
ClientSampleId :

Tot Ion: 76 Resp: 66626

Ion Ratio Lower Upper

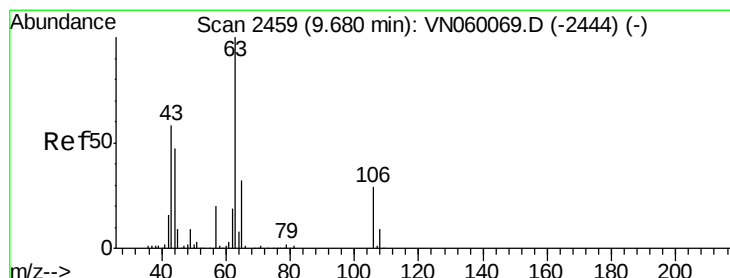
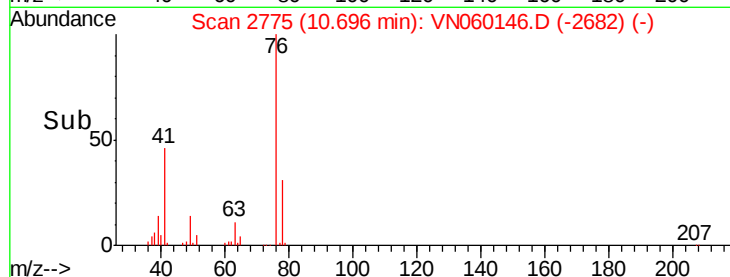
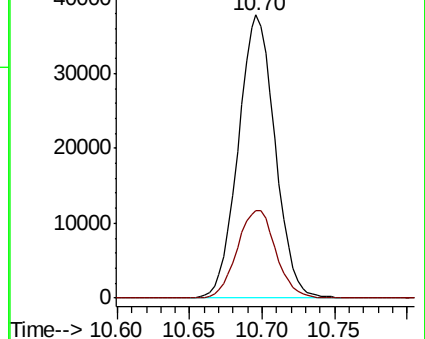
76 100

78 32.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060069.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 97.709 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060146.D

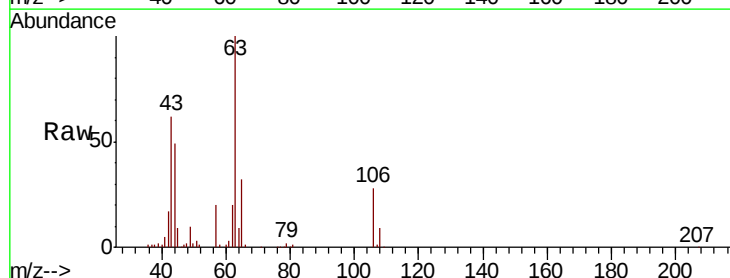
Acq: 19 Feb 2020 11:19

Tgt Ion: 63 Resp: 133580

Ion Ratio Lower Upper

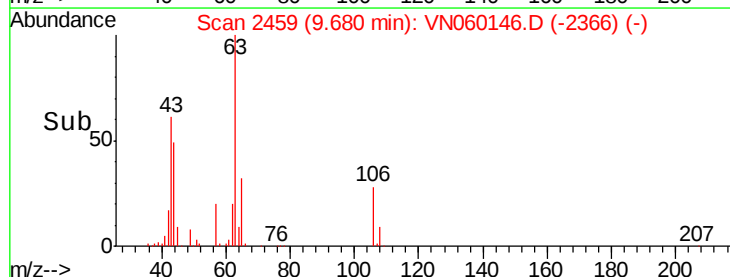
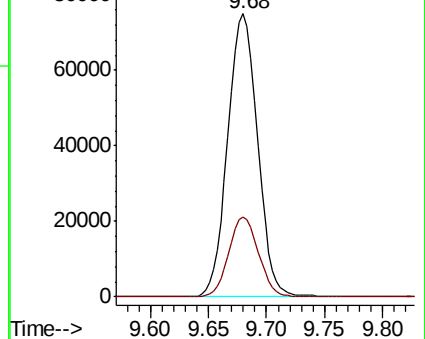
63 100

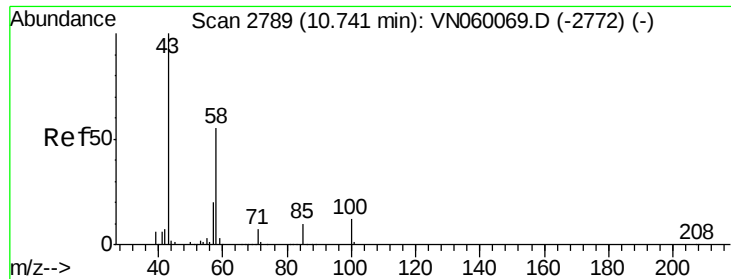
106 28.0 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN060069.D (-2444) (-)

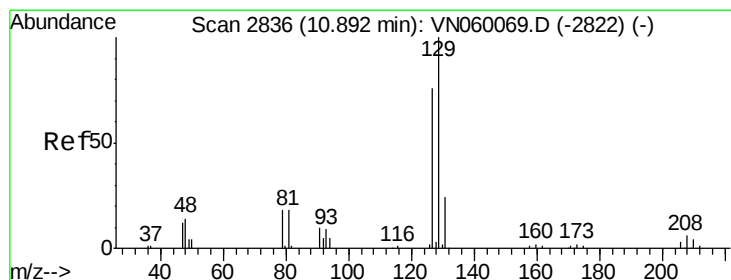
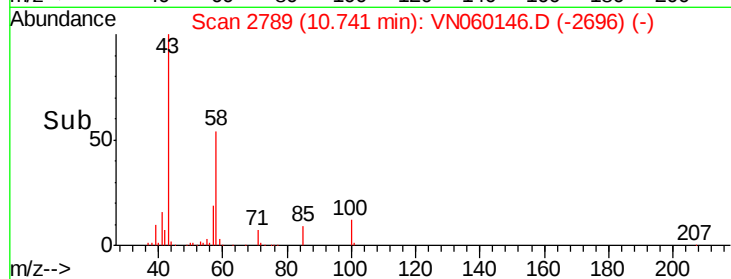
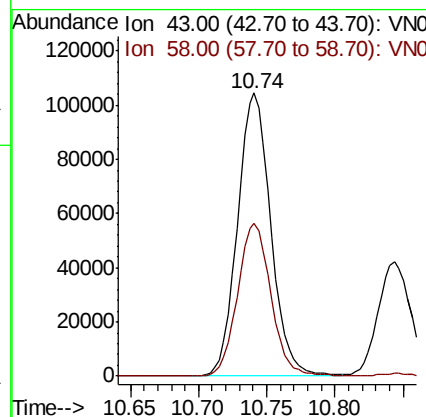
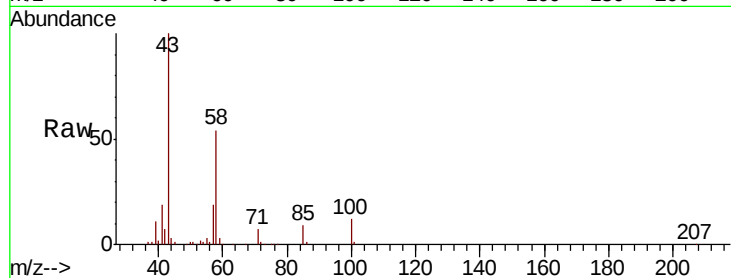




#59
2-Hexanone
Concen: 91.631 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

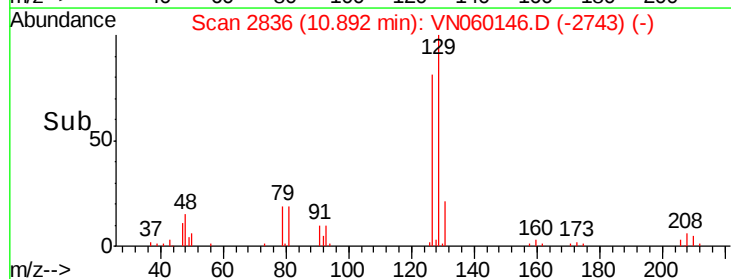
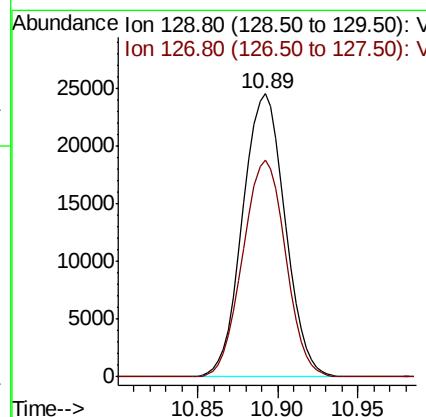
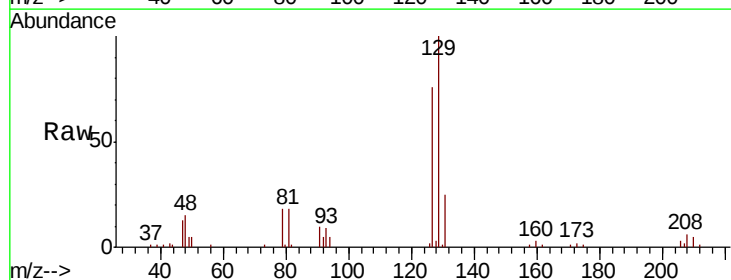
Instrument :
MSVOA_N
ClientSampled :

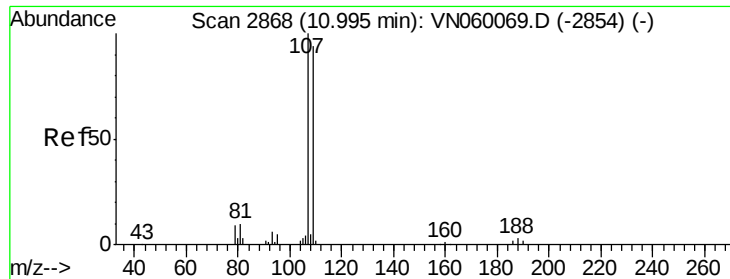
Tot Ion: 43 Resp: 176932
Ion Ratio Lower Upper
43 100
58 54.1 27.5 82.4



#60
Dibromochloromethane
Concen: 18.703 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 129 Resp: 44523
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.1

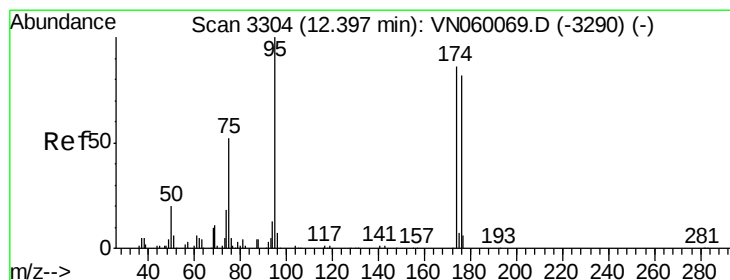
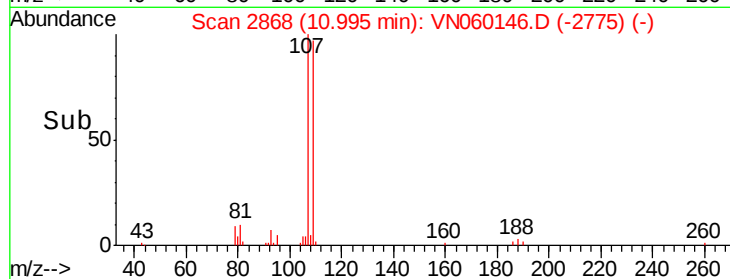
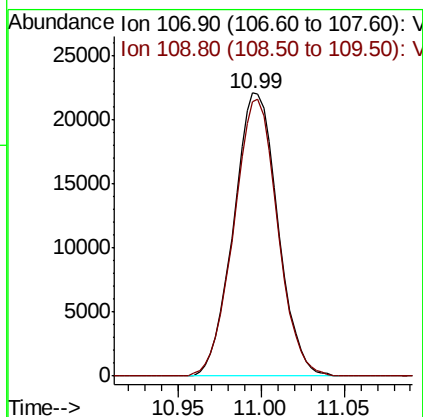
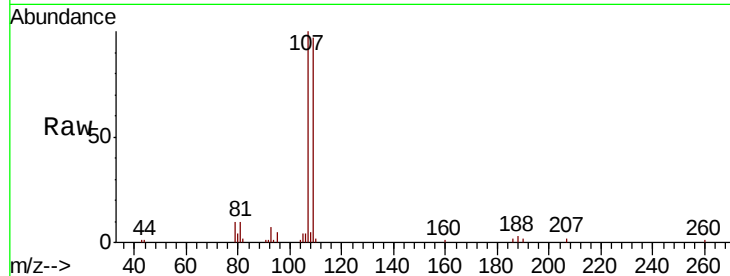




#61
 1,2-Dibromoethane
 Concen: 18.815 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

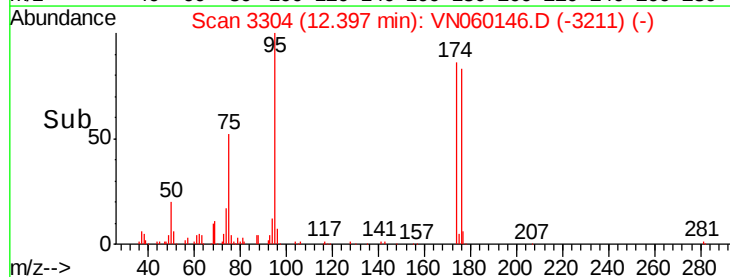
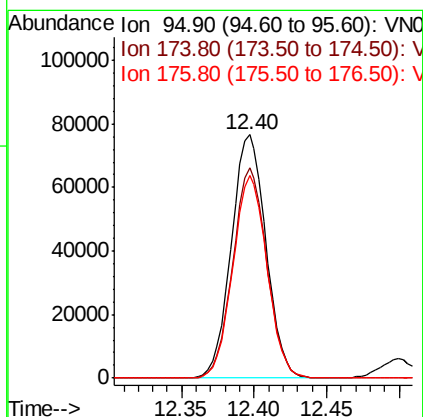
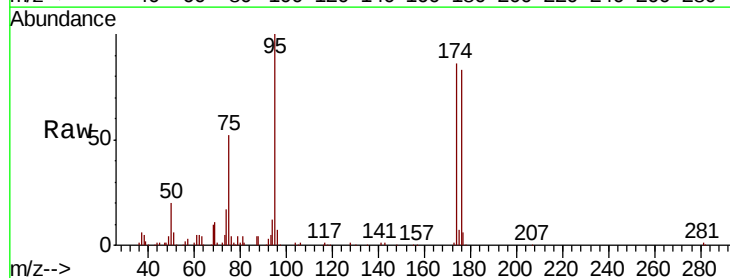
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 40915
 Ion Ratio Lower Upper
 107 100
 109 97.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.340 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 95 Resp: 127079
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 169.8
 176 81.8 0.0 164.8

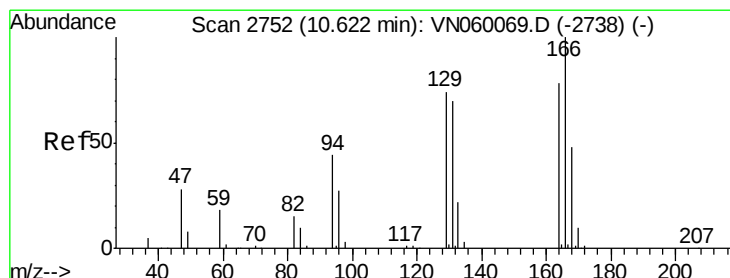
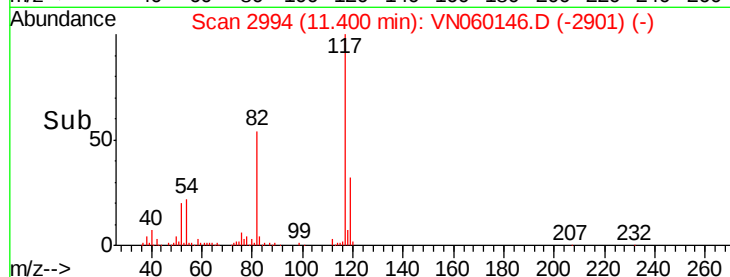
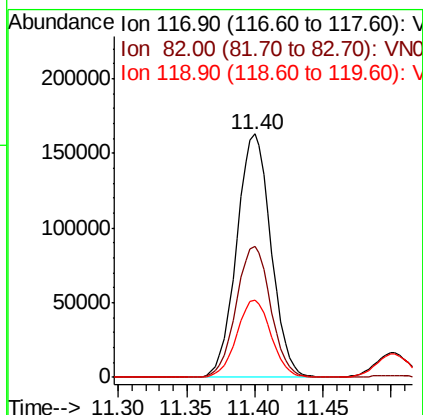
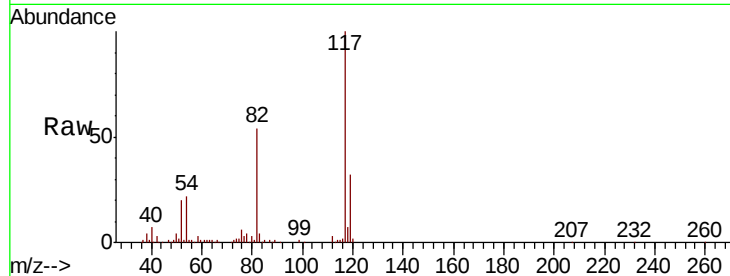




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

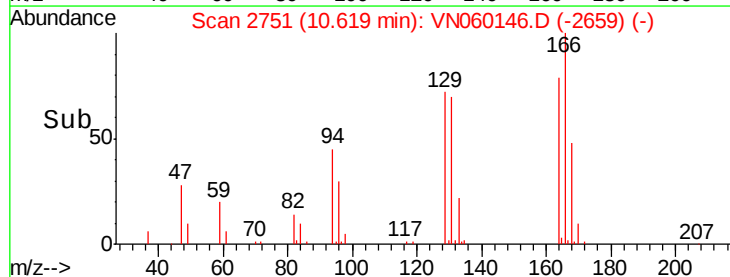
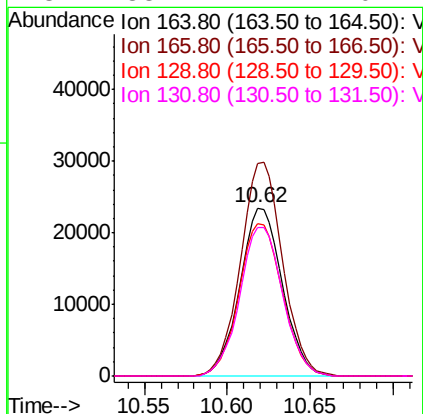
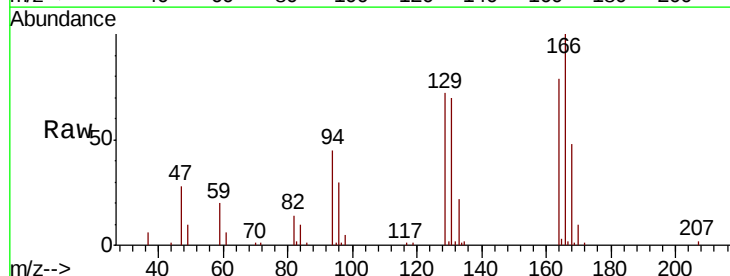
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 284352
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 19.225 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:164 Resp: 41557
Ion Ratio Lower Upper
164 100
166 126.3 101.9 152.9
129 91.0 75.4 113.0
131 88.2 71.4 107.2

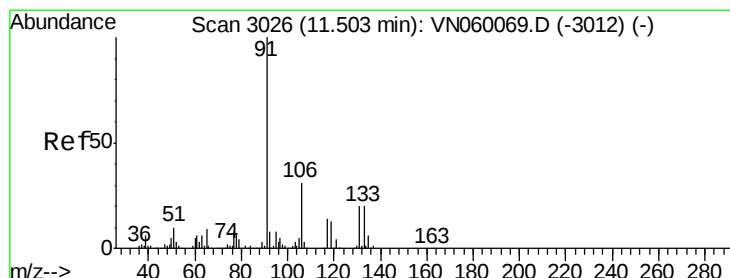
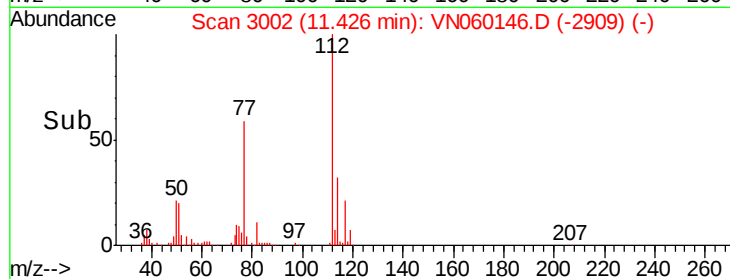
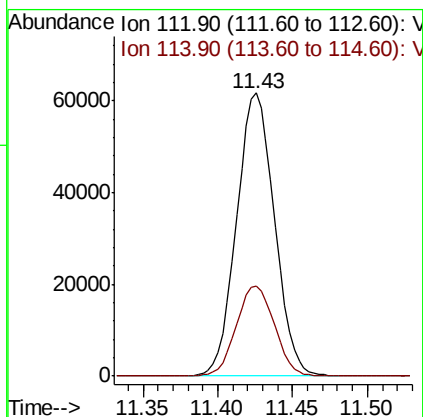
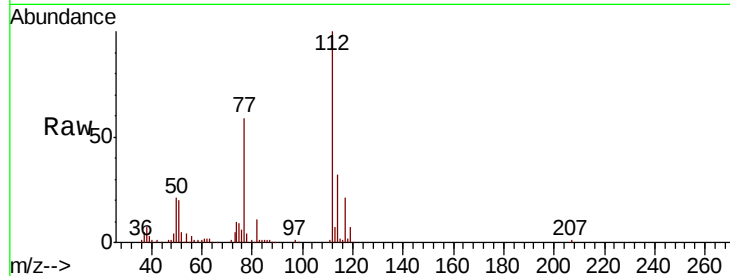




#65
Chlorobenzene
Concen: 18.798 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

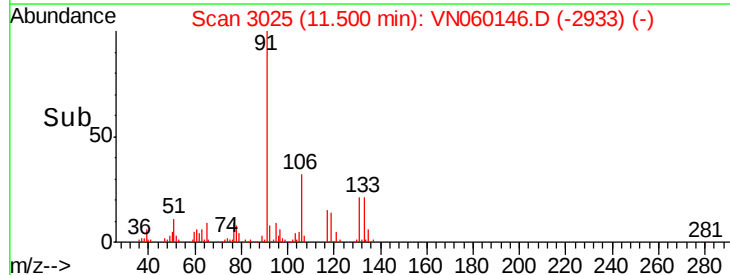
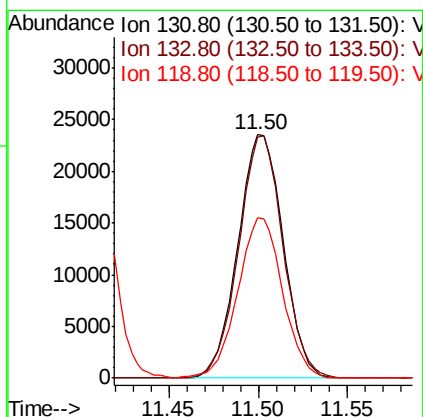
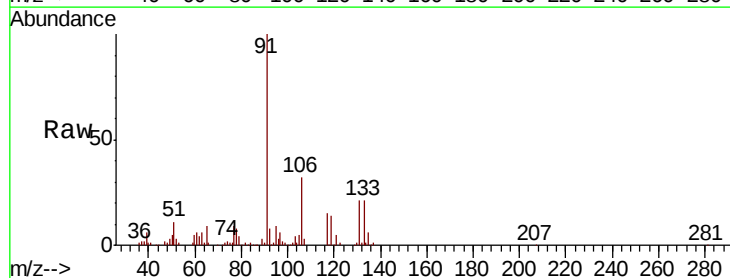
Instrument :
MSVOA_N
ClientSampleId :

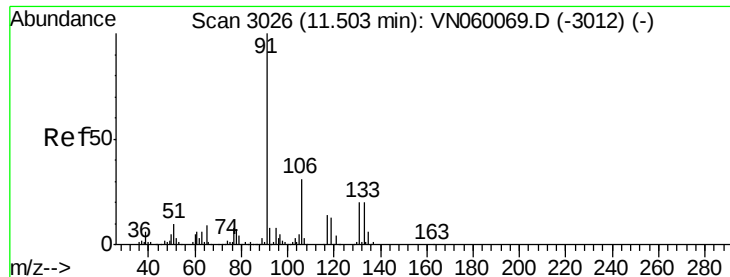
Tot Ion:112 Resp: 108900
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.911 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:131 Resp: 41445
Ion Ratio Lower Upper
131 100
133 97.9 47.9 143.7
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 18.905 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

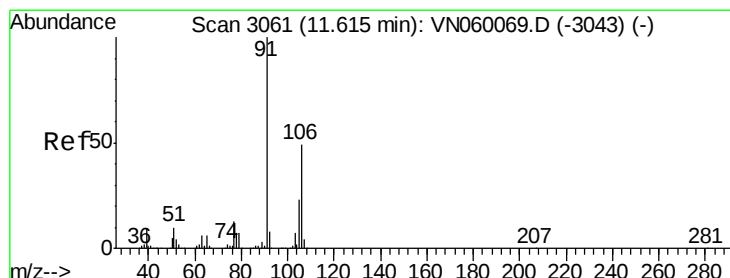
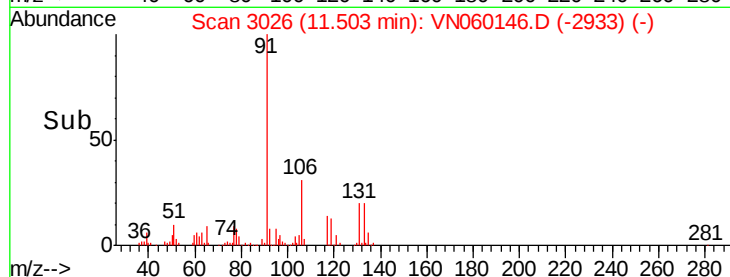
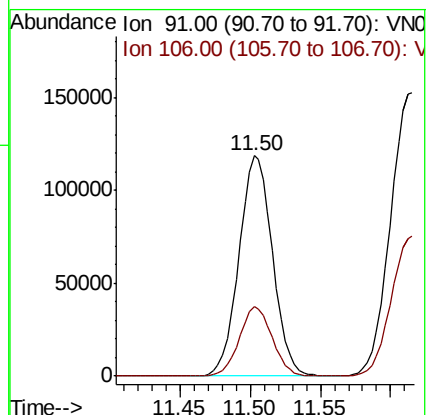
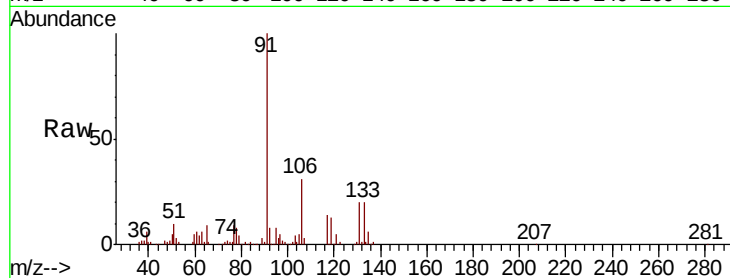
ClientSampled :

Tot Ion: 91 Resp: 197526

Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7



#68

m/p-Xylenes

Concen: 37.514 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060146.D

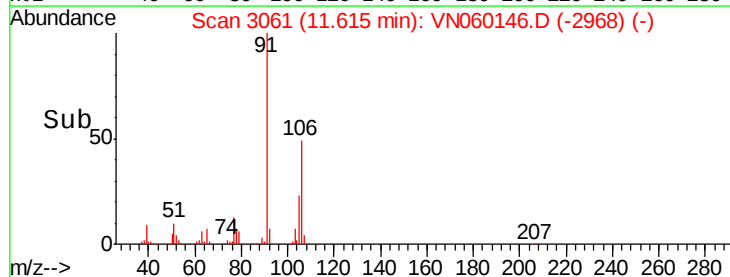
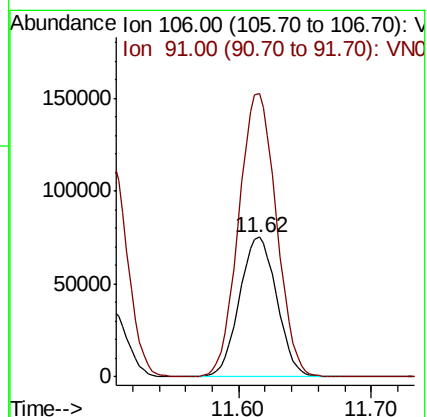
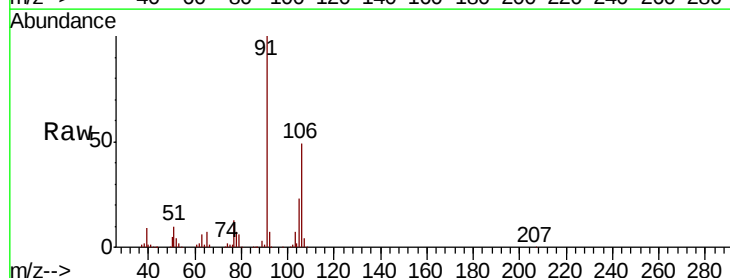
Acq: 19 Feb 2020 11:19

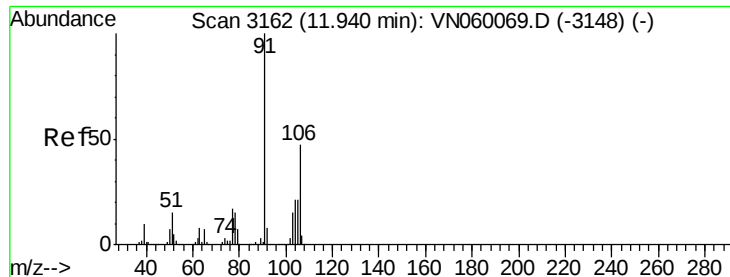
Tgt Ion: 106 Resp: 147110

Ion Ratio Lower Upper

106 100

91 204.6 162.7 244.1

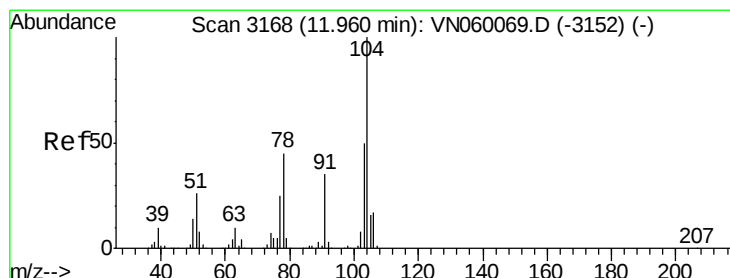
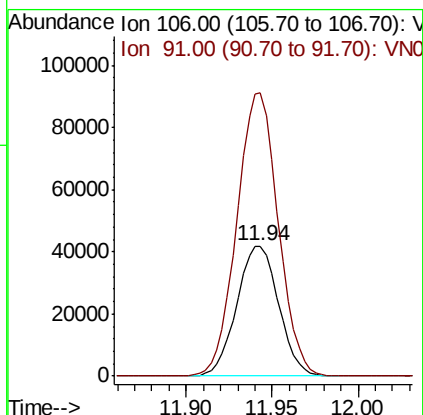
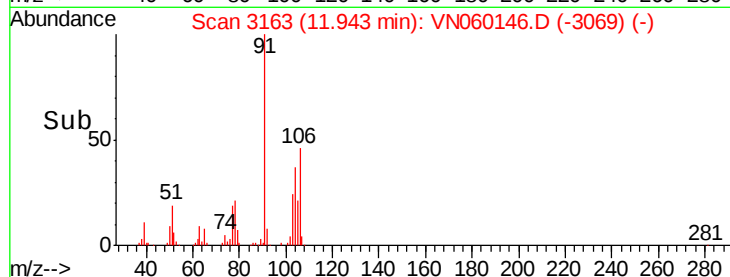
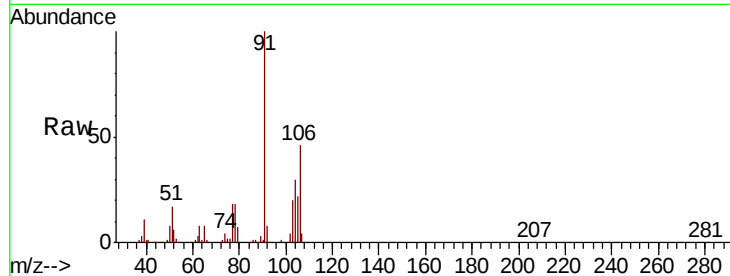




#69
o-Xylene
Concen: 18.706 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

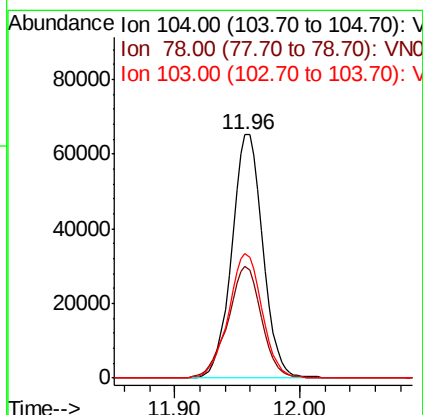
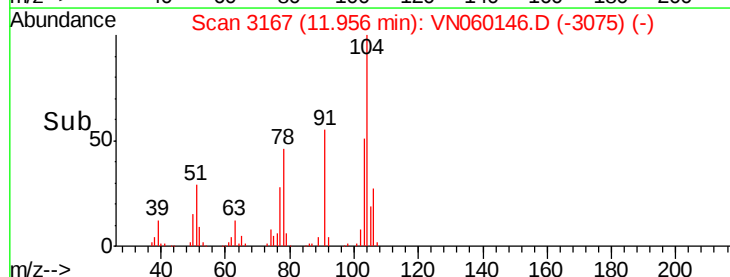
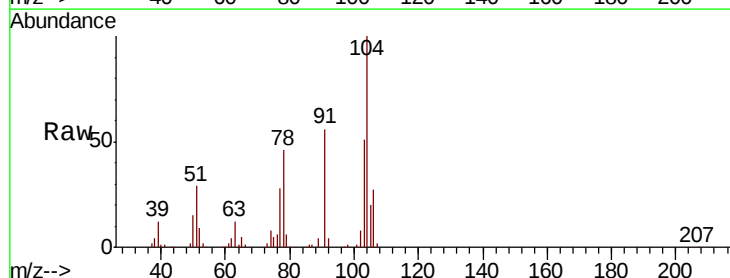
Instrument :
MSVOA_N
ClientSampled :

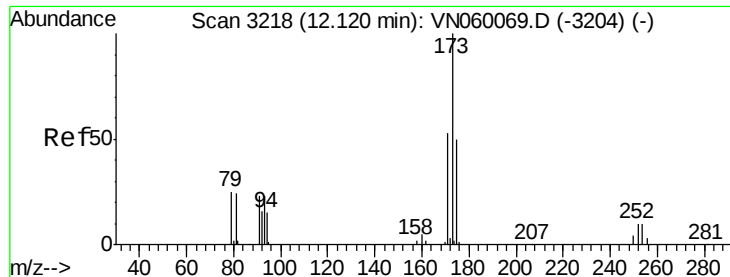
Tot Ion:106 Resp: 70630
Ion Ratio Lower Upper
106 100
91 215.2 107.2 321.6



#70
Styrene
Concen: 18.444 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:104 Resp: 112298
Ion Ratio Lower Upper
104 100
78 49.6 40.2 60.2
103 55.2 44.3 66.5

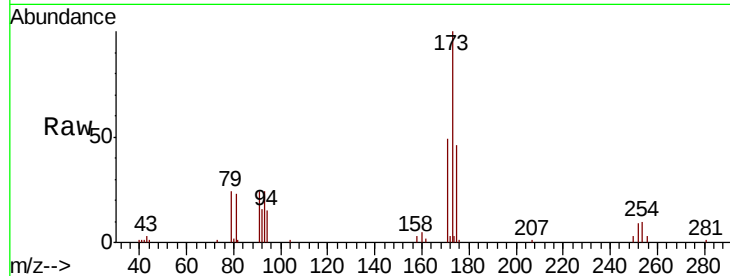




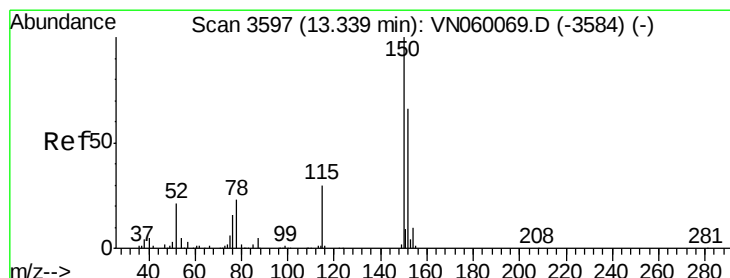
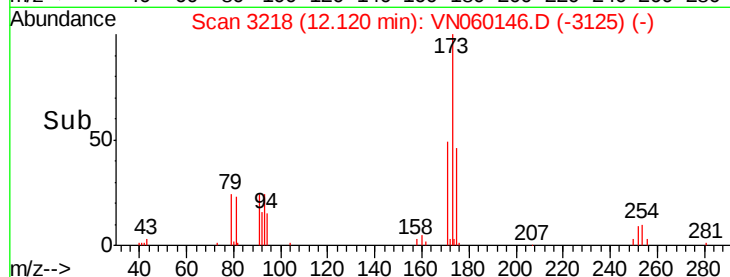
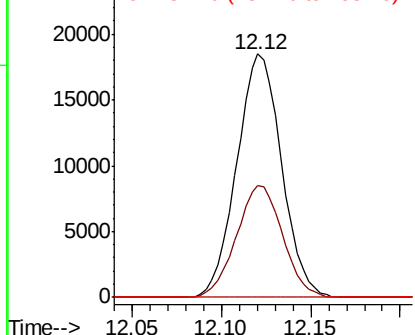
#71
Bromoform
Concen: 18.317 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 32288
Ion Ratio Lower Upper
173 100
175 47.4 24.9 74.6
254 0.0 0.0 0.0

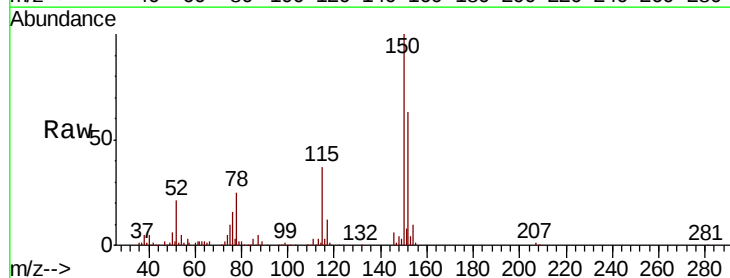


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

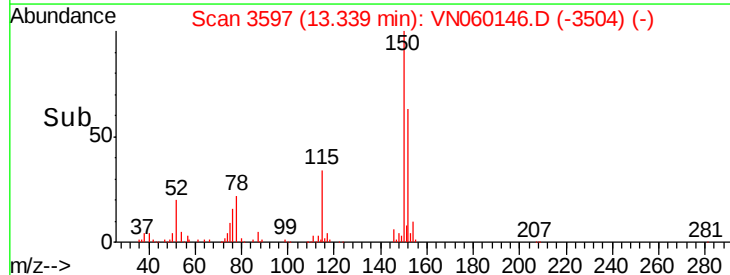
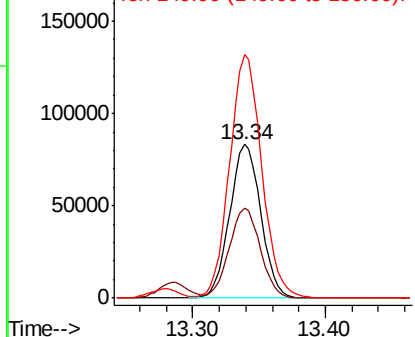


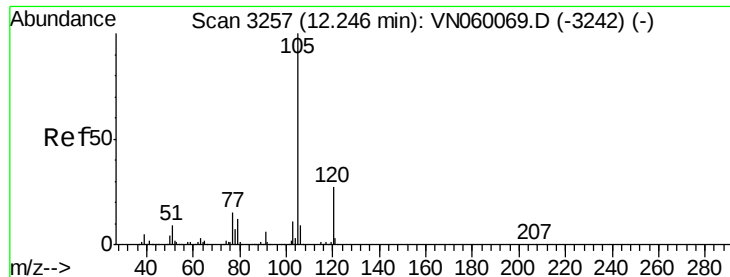
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:152 Resp: 135906
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.8
150 162.6 0.0 342.4



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: 18.893 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

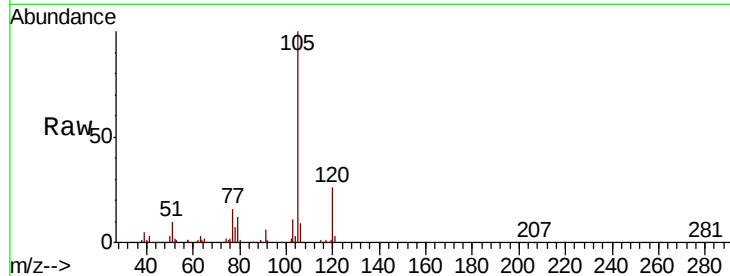
ClientSampled :

Tot Ion:105 Resp: 191744

Ion Ratio Lower Upper

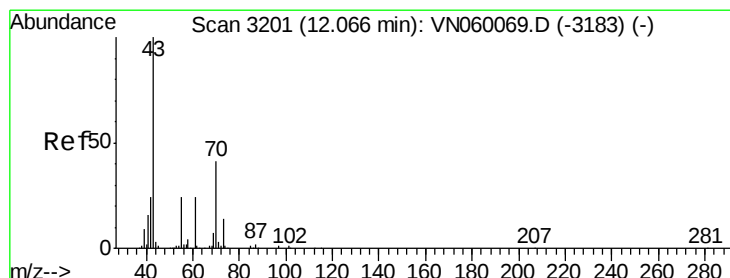
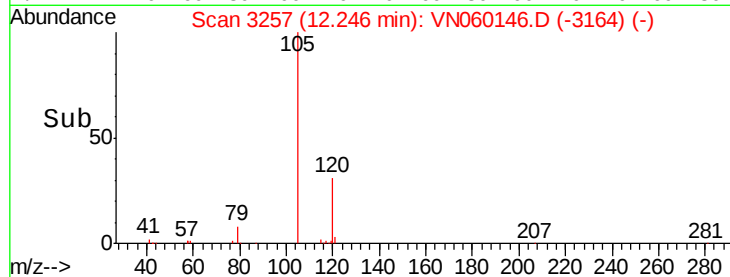
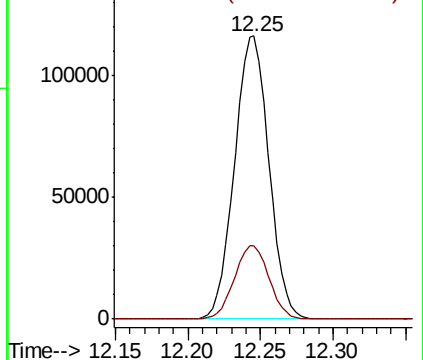
105 100

120 26.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.511 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion: 43 Resp: 67744

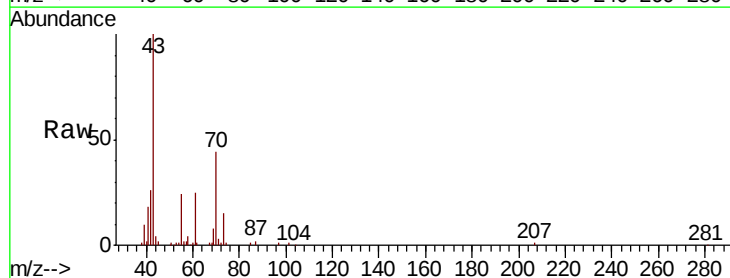
Ion Ratio Lower Upper

43 100

70 42.4 33.4 50.0

55 24.2 18.8 28.2

61 24.4 19.2 28.8

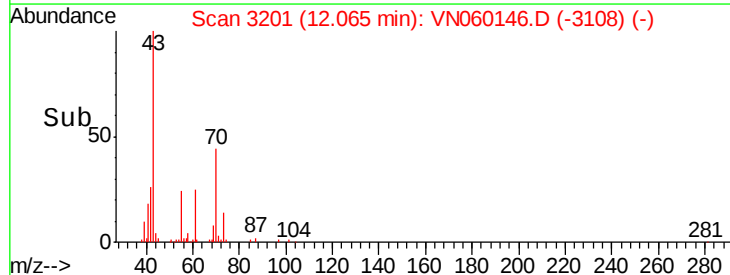
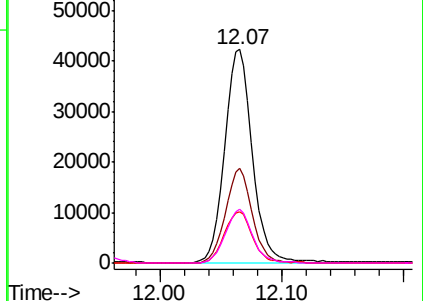


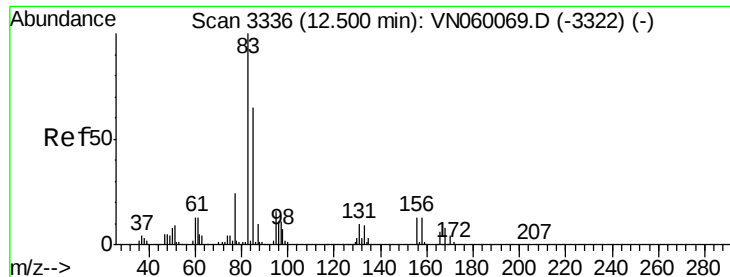
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.980 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

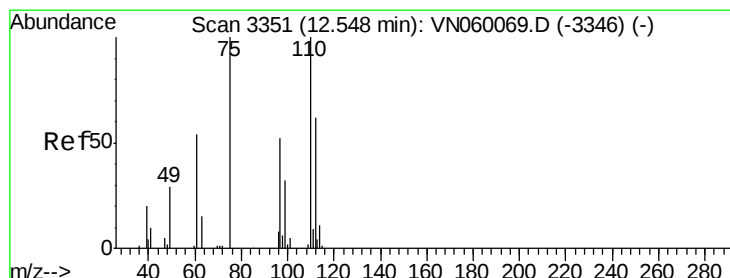
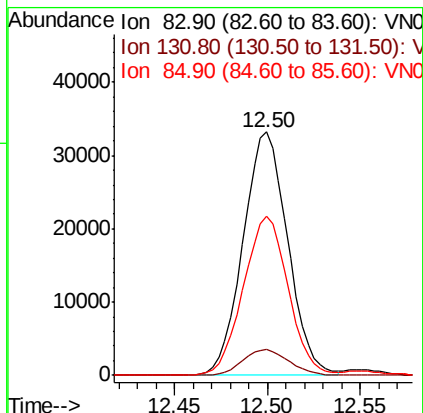
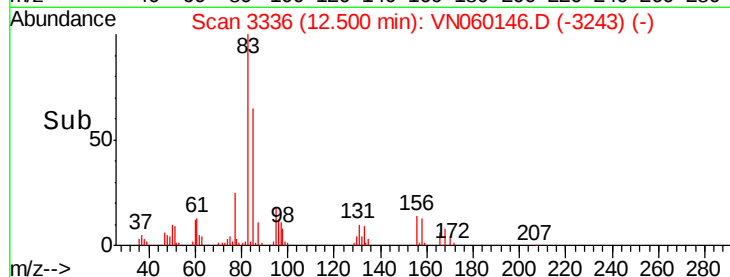
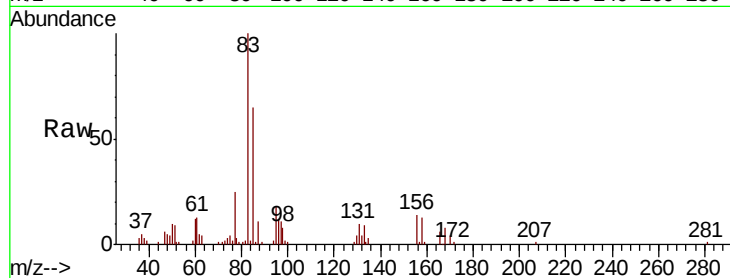
Tot Ion: 83 Resp: 55443

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

85 65.8 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 28.408 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060146.D

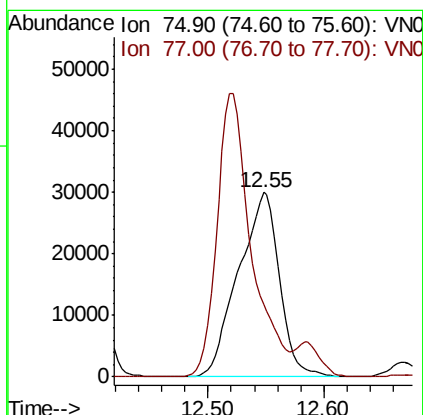
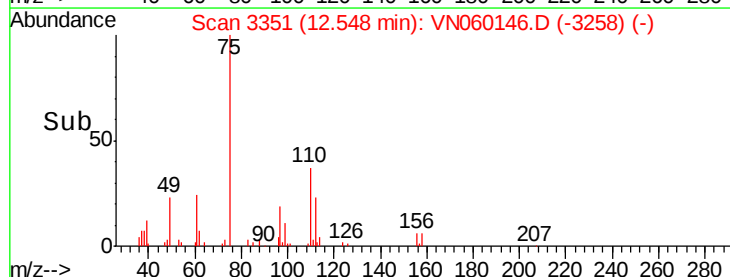
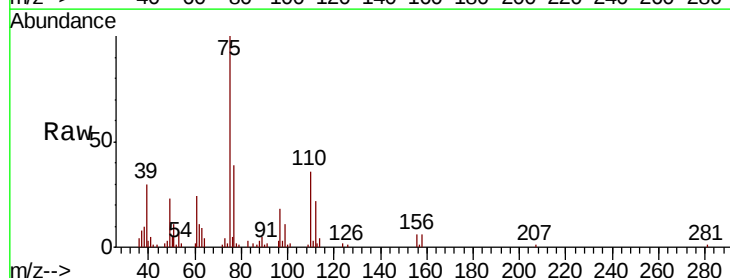
Acq: 19 Feb 2020 11:19

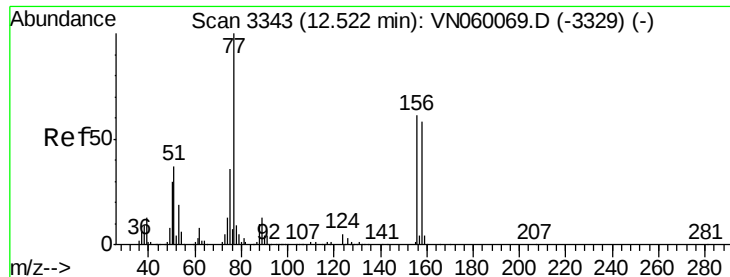
Tgt Ion: 75 Resp: 73865

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.258 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

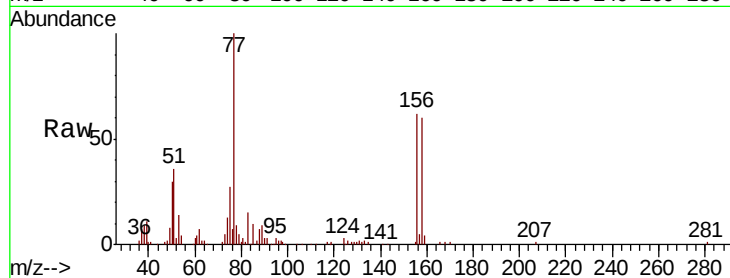
Tot Ion:156 Resp: 48502

Ion Ratio Lower Upper

156 100

77 195.2 98.7 296.1

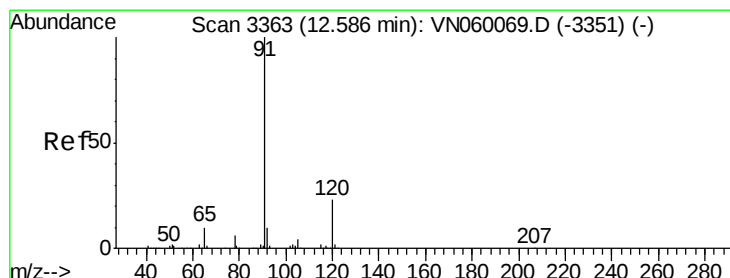
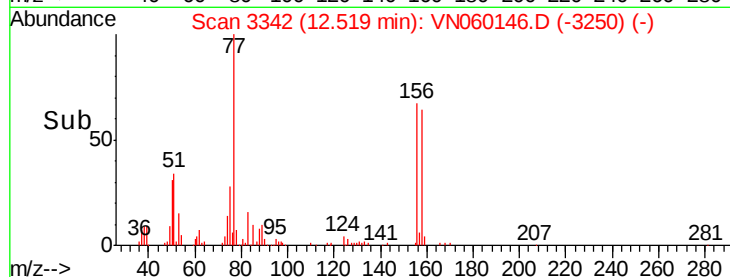
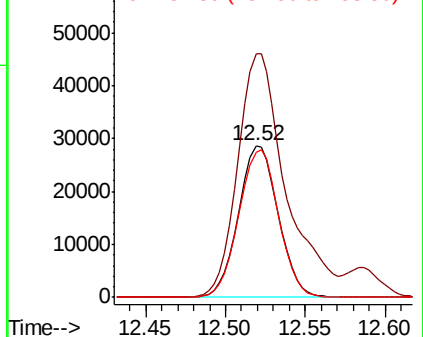
158 97.0 48.1 144.4



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: 18.833 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060146.D

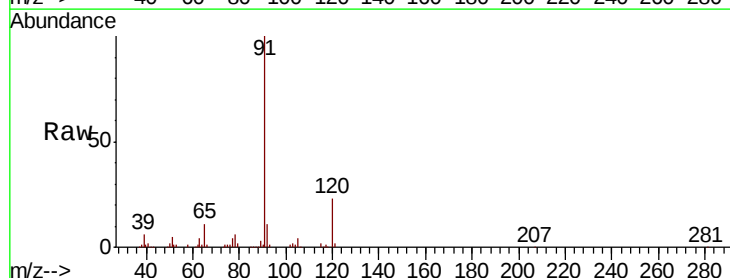
Acq: 19 Feb 2020 11:19

Tgt Ion: 91 Resp: 217766

Ion Ratio Lower Upper

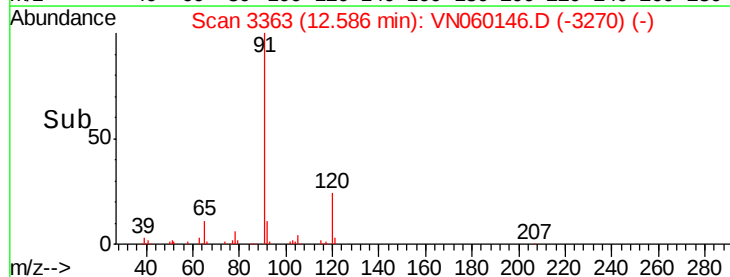
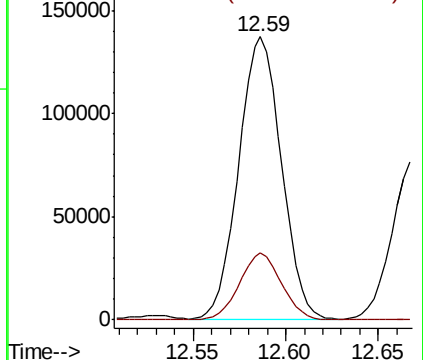
91 100

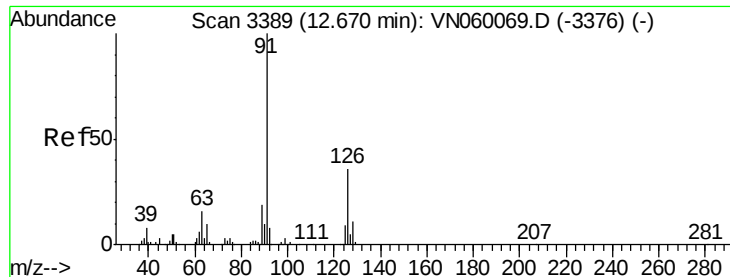
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.858 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

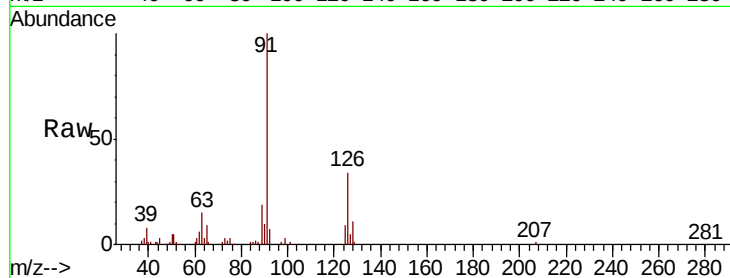
ClientSampled :

Tot Ion: 91 Resp: 128166

Ion Ratio Lower Upper

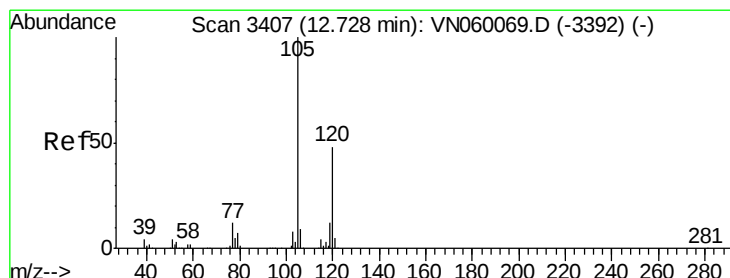
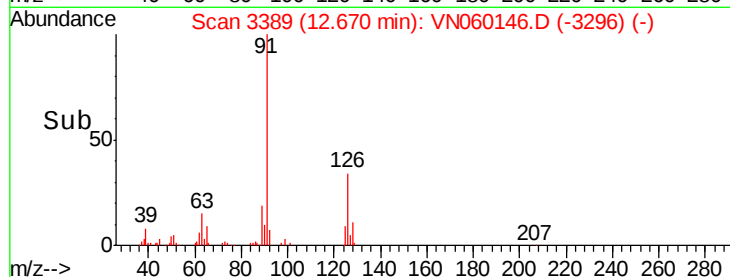
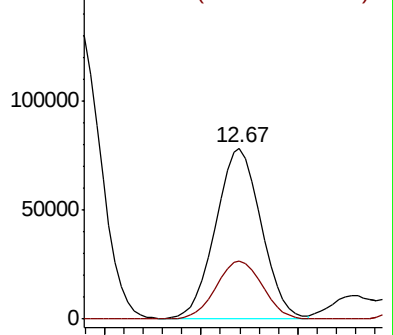
91 100

126 34.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.055 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060146.D

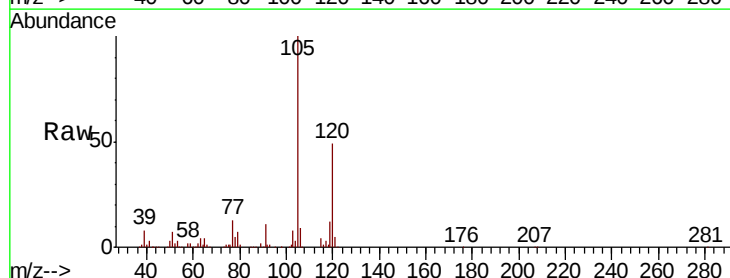
Acq: 19 Feb 2020 11:19

Tgt Ion: 105 Resp: 160788

Ion Ratio Lower Upper

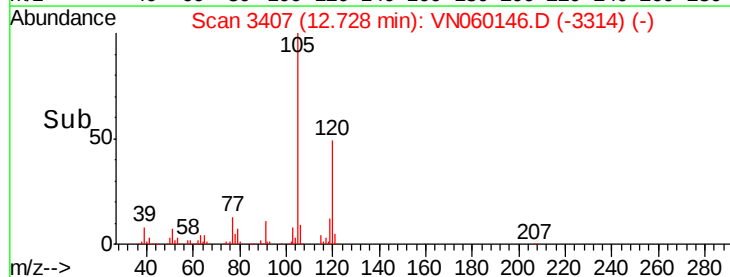
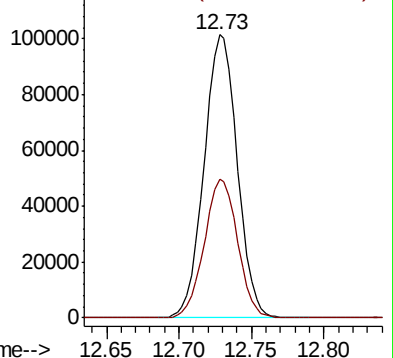
105 100

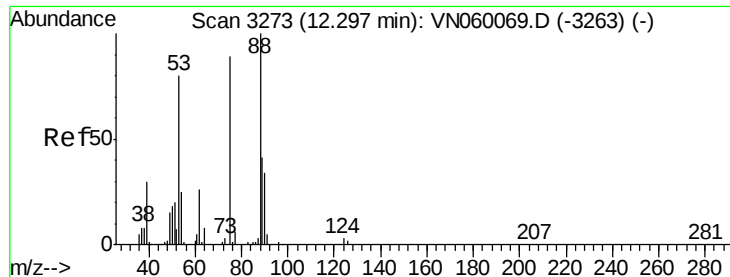
120 49.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.121 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

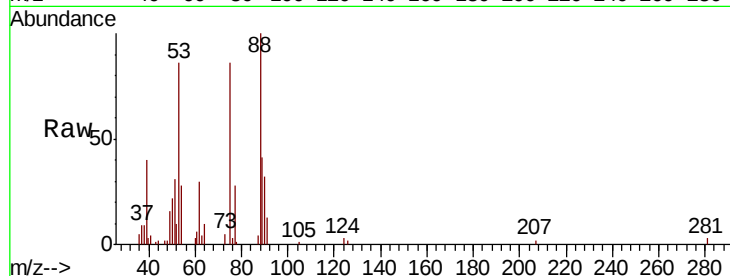
Tot Ion: 75 Resp: 19244

Ion Ratio Lower Upper

75 100

53 97.6 73.9 110.9

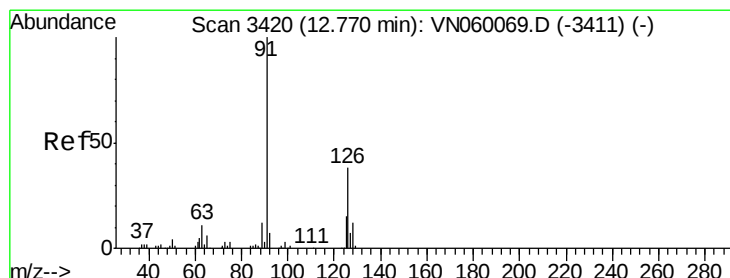
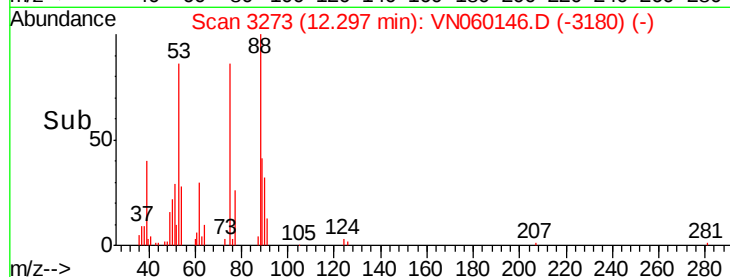
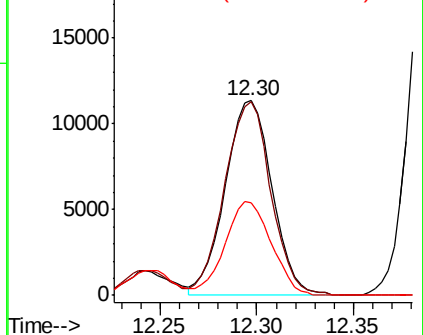
89 47.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060146.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060146.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060146.D (-3180) (-)



#82

4-Chlorotoluene

Concen: 18.912 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060146.D

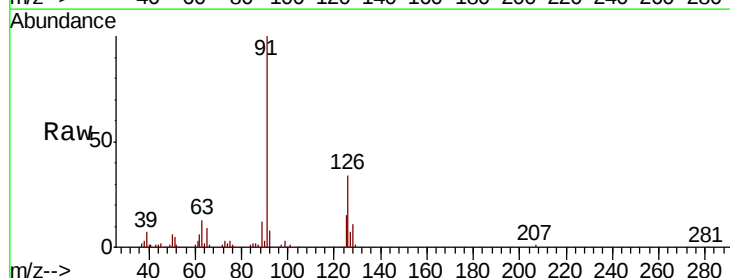
Acq: 19 Feb 2020 11:19

Tgt Ion: 91 Resp: 131871

Ion Ratio Lower Upper

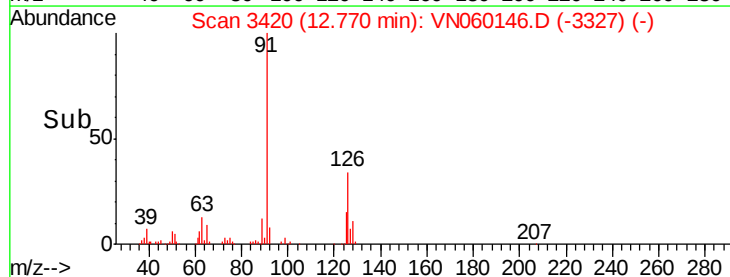
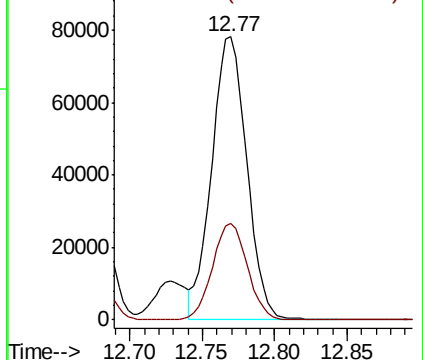
91 100

126 33.8 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060146.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060146.D (-3327) (-)

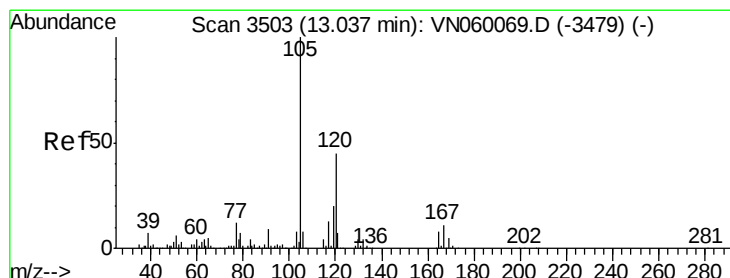
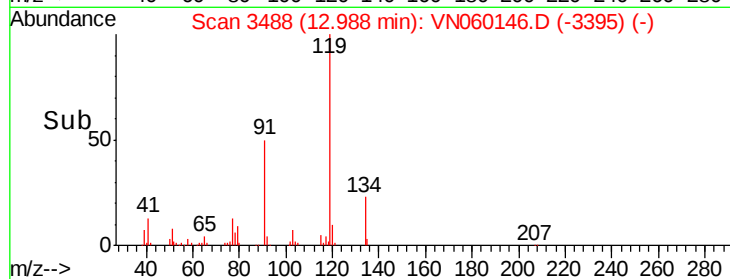
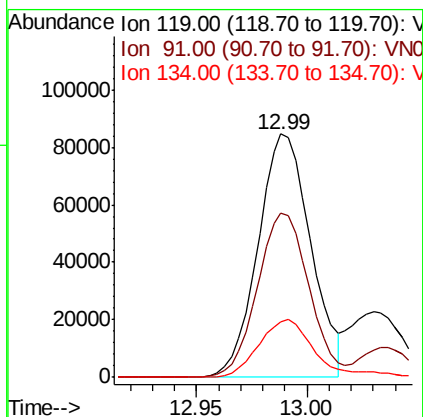
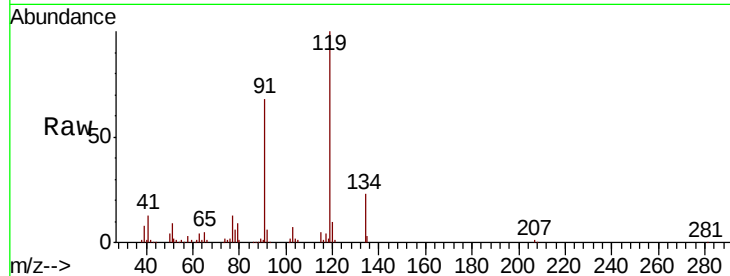




#83
tert-Butylbenzene
Concen: 18.800 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

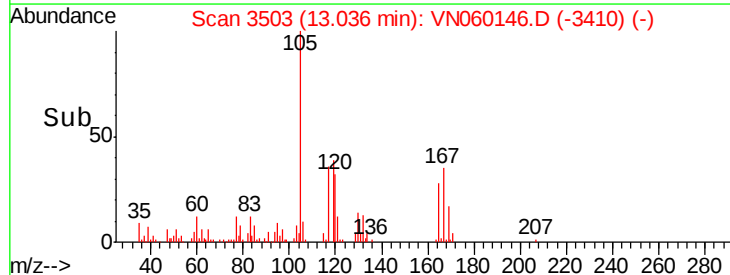
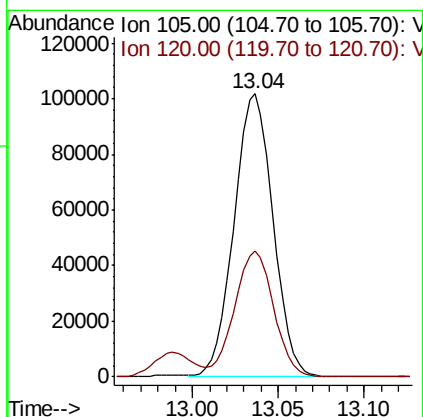
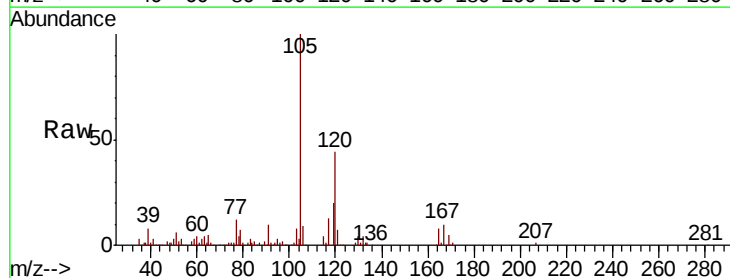
Instrument :
MSVOA_N
ClientSampled :

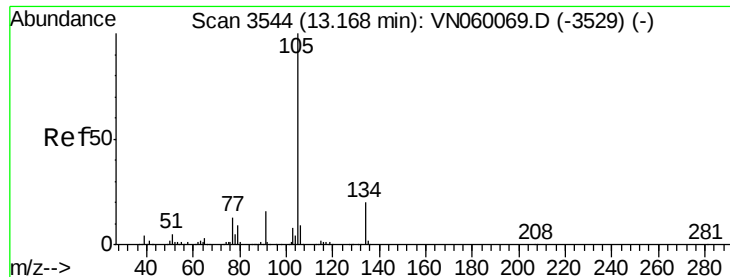
Tot Ion:119 Resp: 140332
Ion Ratio Lower Upper
119 100
91 66.1 32.7 98.1
134 25.3 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.240 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:105 Resp: 160262
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 18.840 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

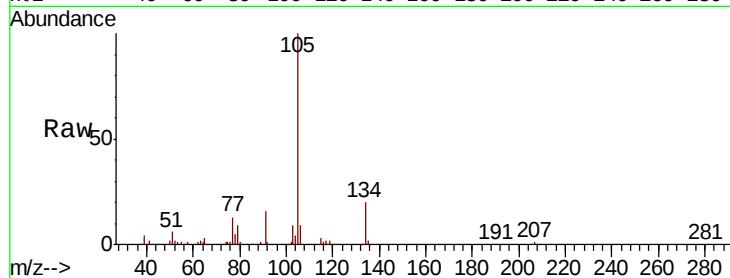
ClientSampleId :

Tot Ion:105 Resp: 186245

Ion Ratio Lower Upper

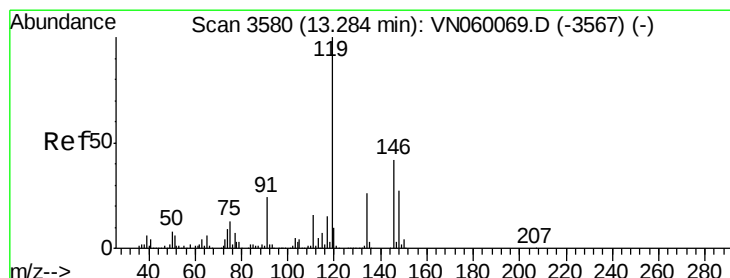
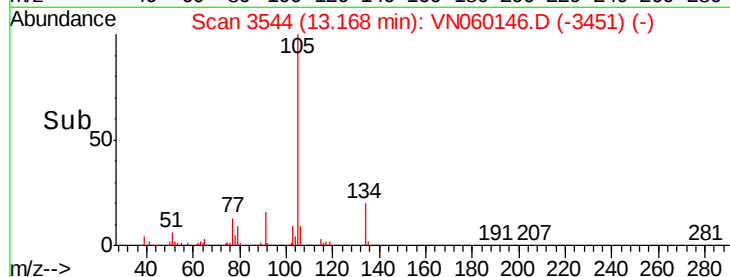
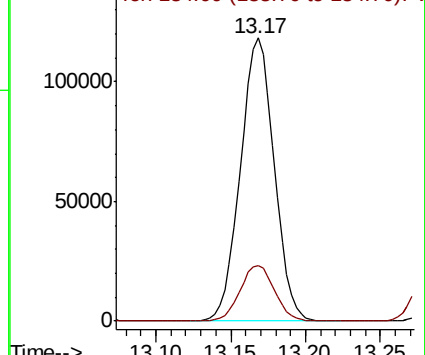
105 100

134 19.8 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.937 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

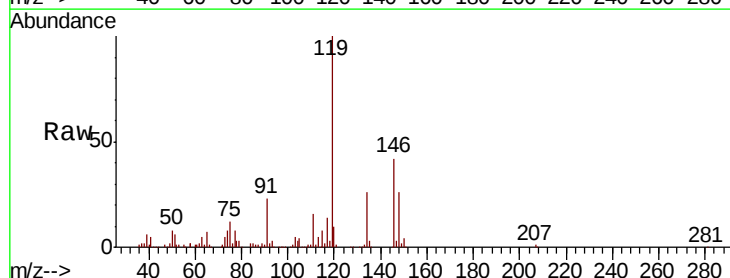
Tgt Ion:119 Resp: 169615

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

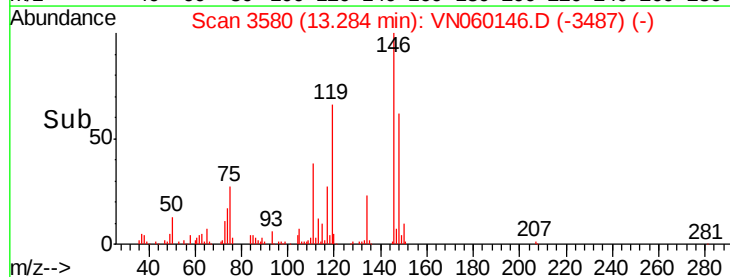
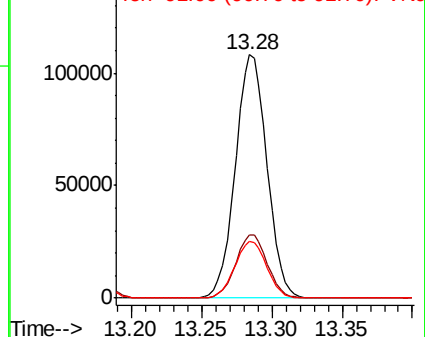
91 23.6 11.9 35.9

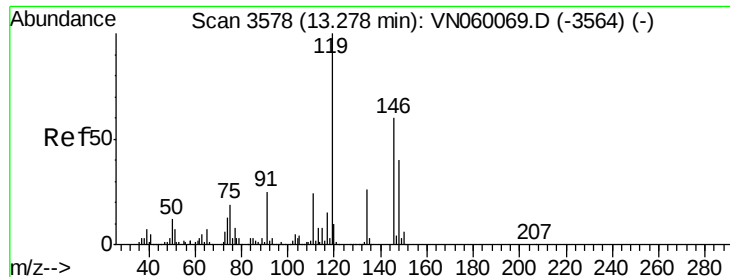


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.842 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060146.D

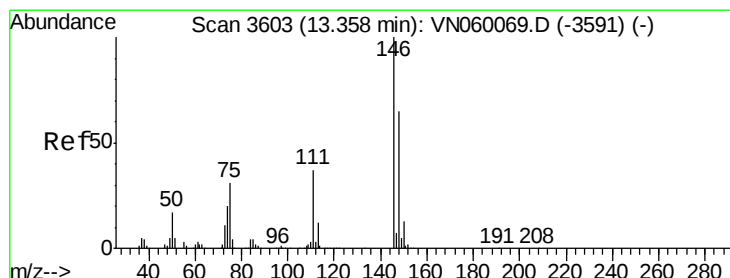
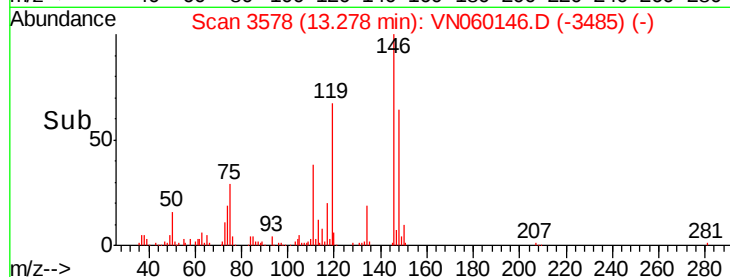
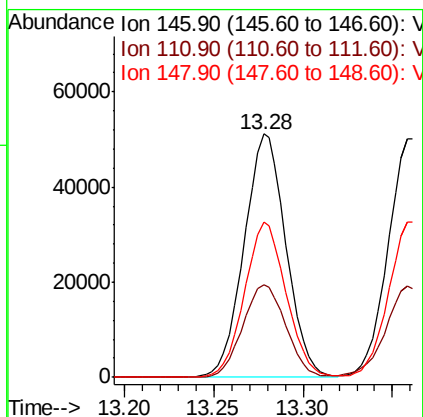
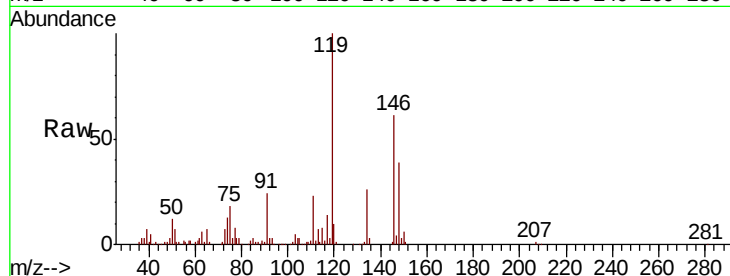
Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	84000
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.3	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 18.921 ug/l

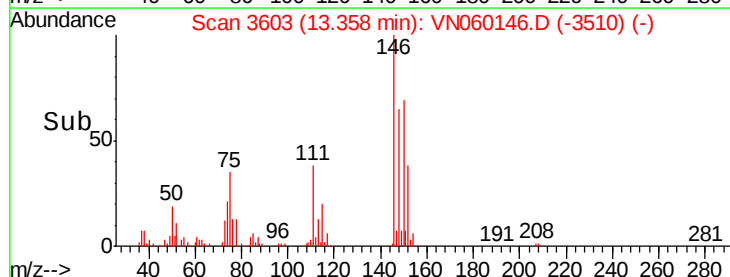
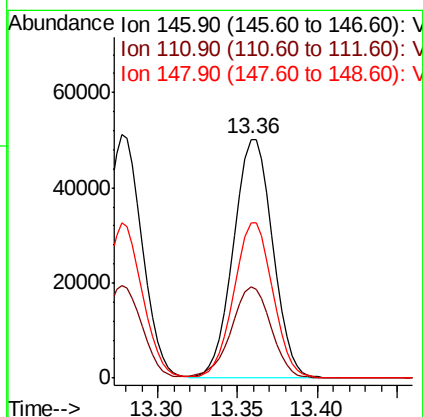
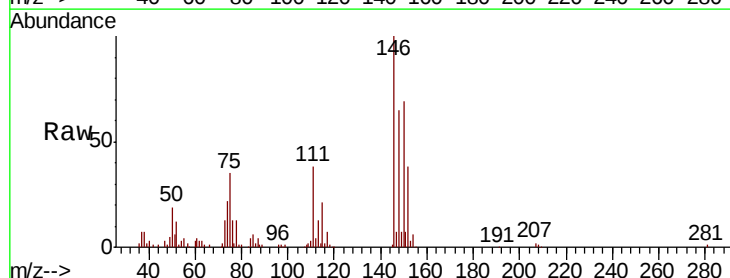
RT: 13.36 min Scan# 3603

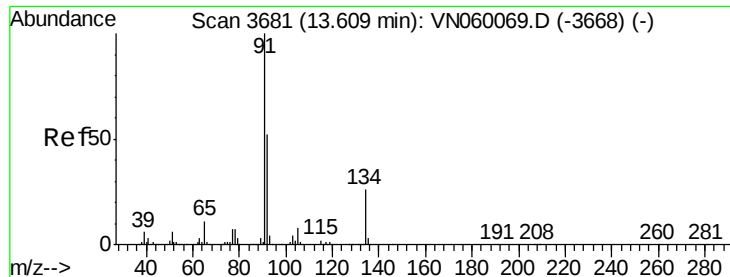
Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	146	Resp:	84339
Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 18.667 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

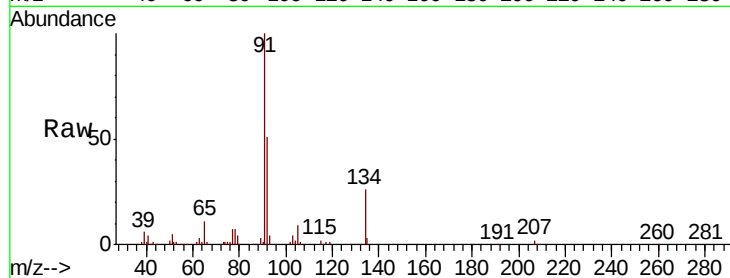
Tot Ion: 91 Resp: 147061

Ion Ratio Lower Upper

91 100

92 51.3 26.1 78.2

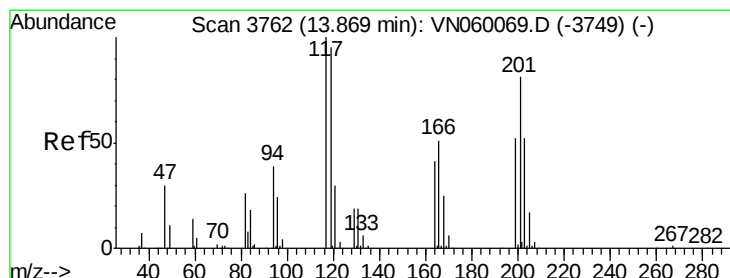
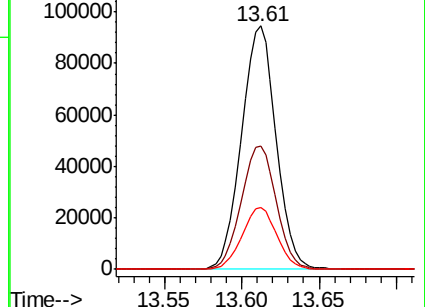
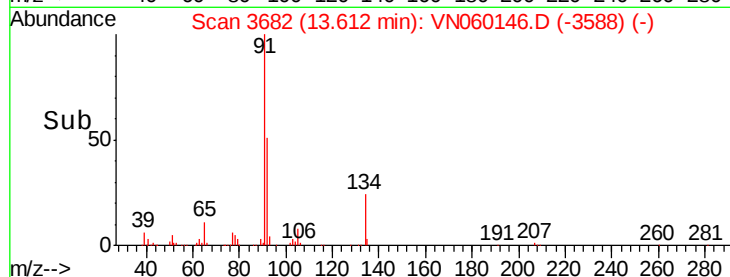
134 25.6 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.606 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060146.D

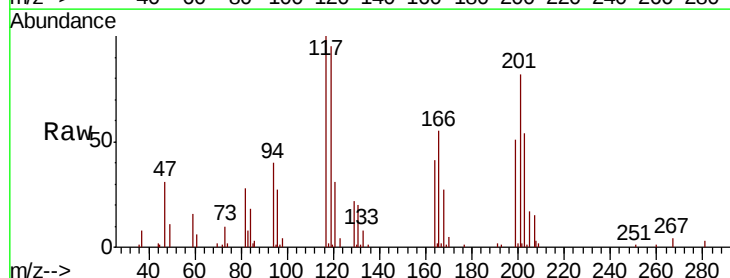
Acq: 19 Feb 2020 11:19

Tgt Ion: 117 Resp: 31134

Ion Ratio Lower Upper

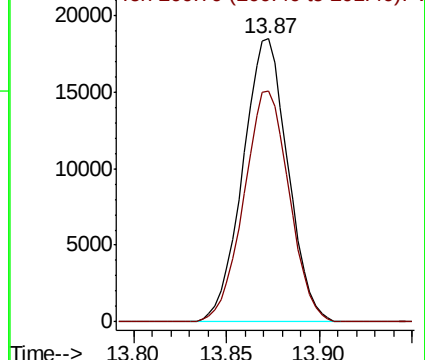
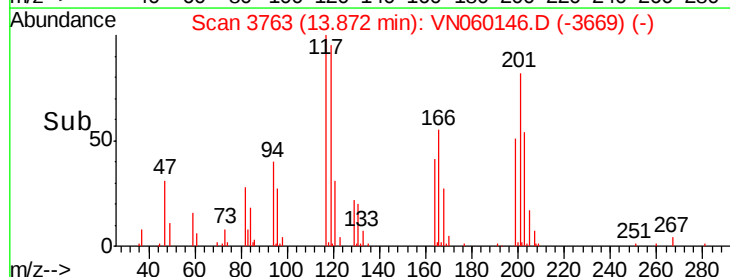
117 100

201 82.1 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)

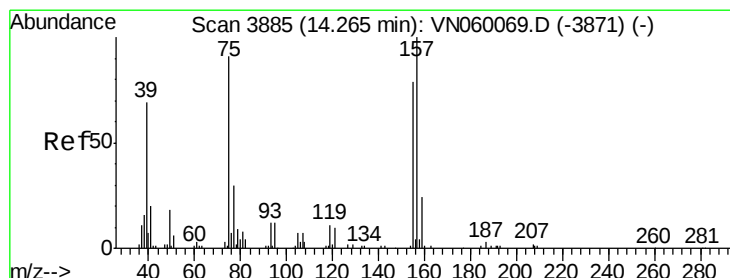
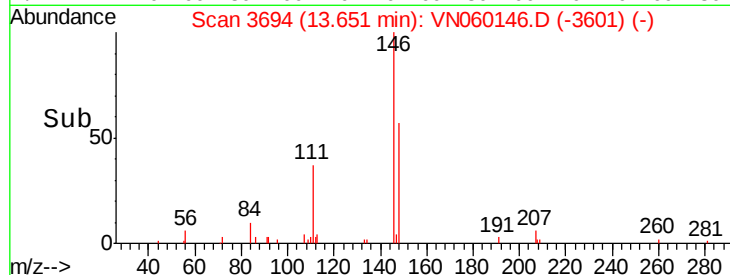
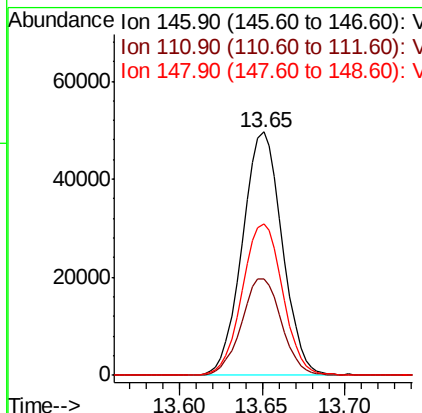
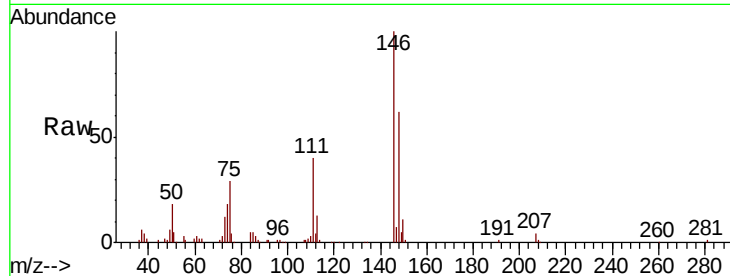




#91
 1,2-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

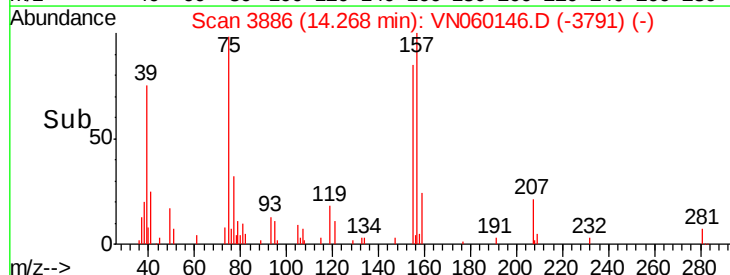
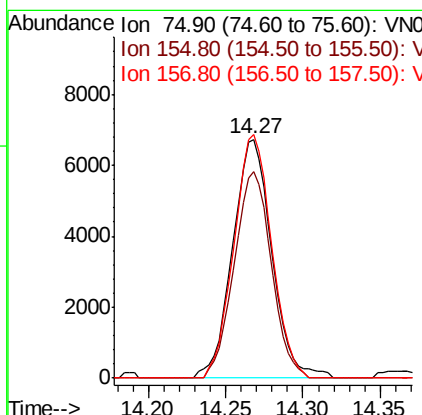
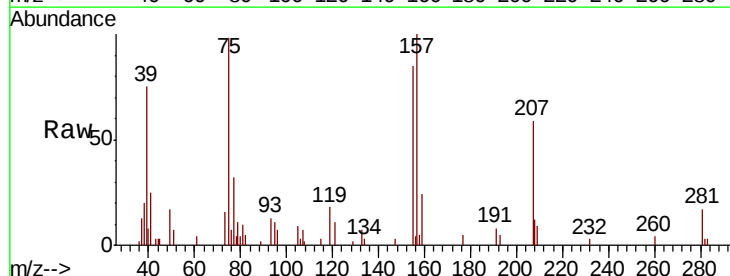
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	63.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.551 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	43.0	129.0
157	97.9	54.9	164.5

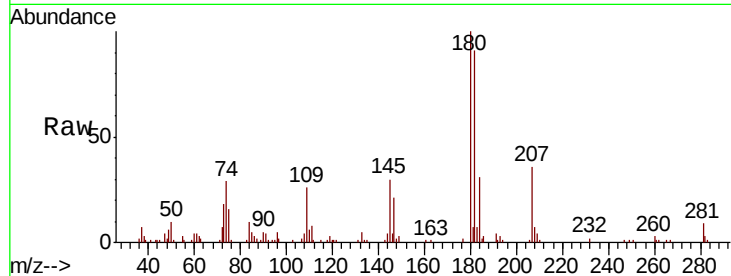




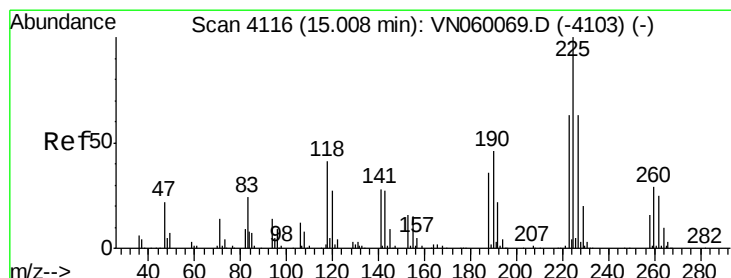
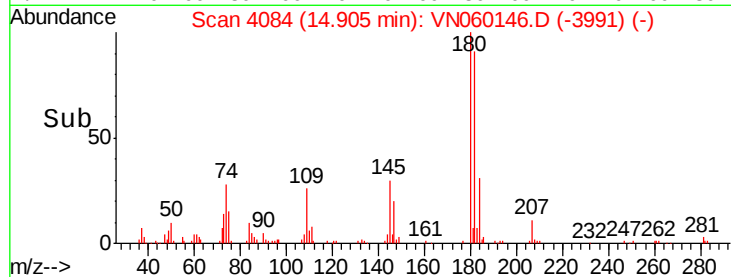
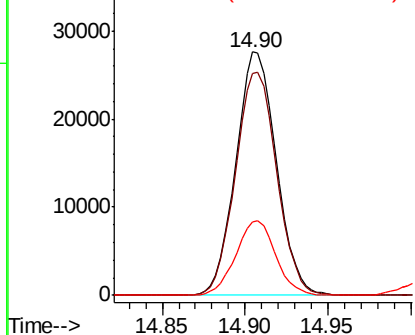
#93
 1,2,4-Trichlorobenzene
 Concen: 18.319 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.8
145	30.1	15.2	45.5

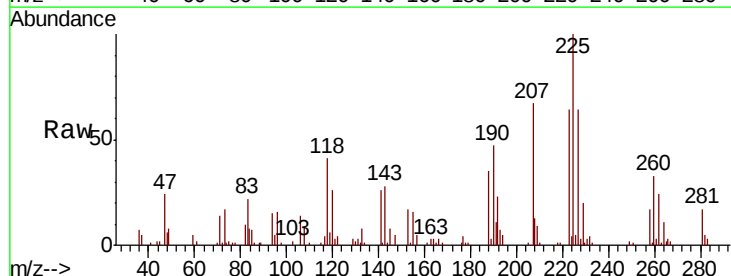


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

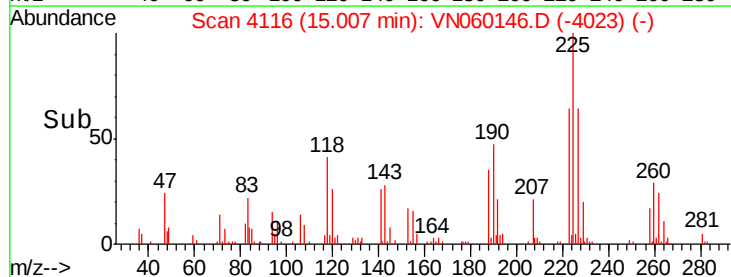
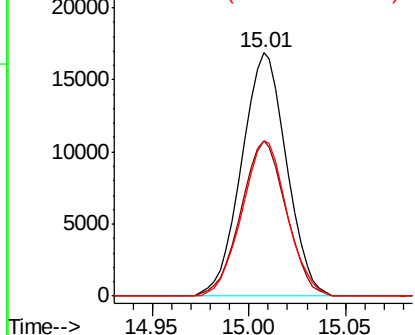


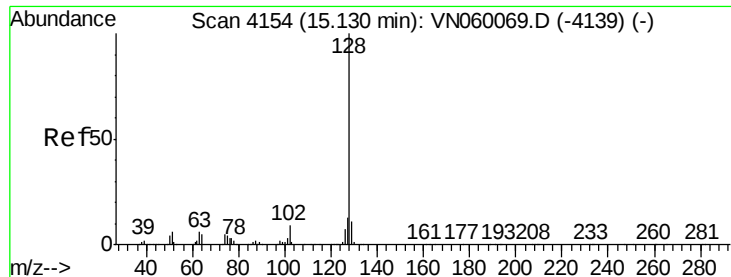
#94
 Hexachlorobutadiene
 Concen: 18.157 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.5	94.5
227	64.0	31.8	95.4



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

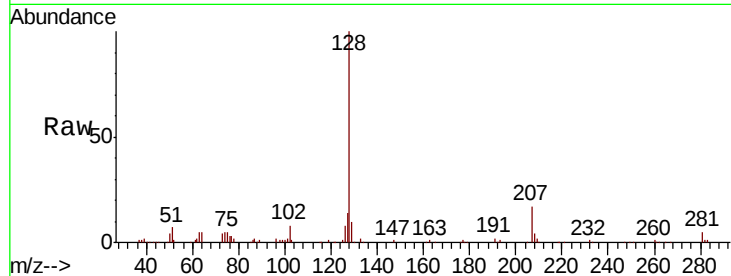




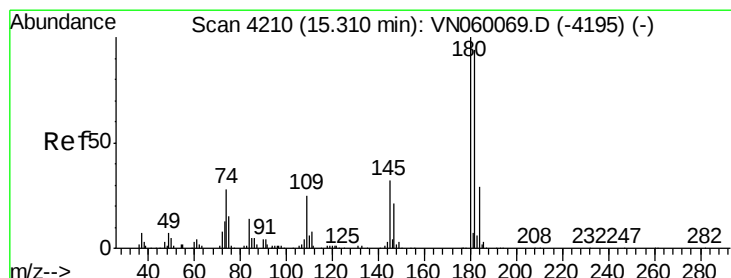
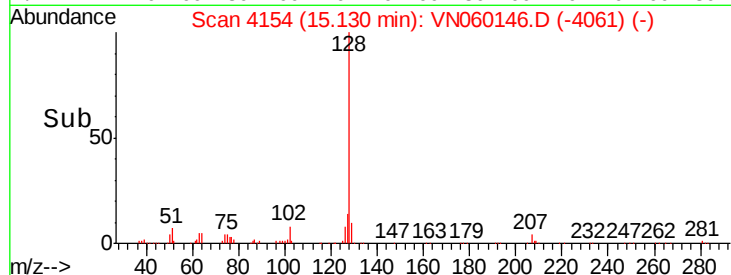
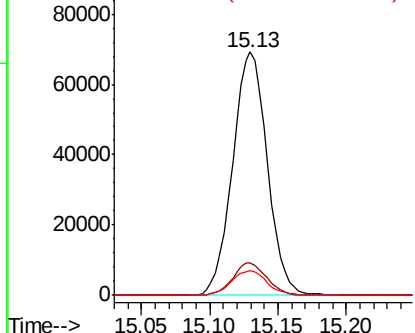
#95
Naphthalene
Concen: 17.637 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.4	8.6	13.0

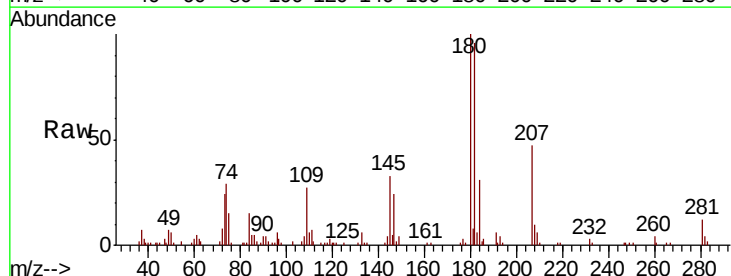


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.452 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.5
145	33.2	16.1	48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

