

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059430.D
 Acq On : 27 Nov 2019 18:48
 Operator : JC/SP
 Sample : VN1127WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 03:01:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	354217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	555683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	497171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225935	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	205940	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	7.57	113	166456	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.08	98	667025	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	231429	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	89630	21.499	ug/l	99
3) Chloromethane	2.04	50	106237	20.861	ug/l	100
4) Vinyl Chloride	2.17	62	100804	20.599	ug/l	100
5) Bromomethane	2.55	94	60843	20.650	ug/l	100
6) Chloroethane	2.68	64	56747	20.682	ug/l	94
7) Trichlorofluoromethane	3.00	101	121834	20.902	ug/l	97
8) Diethyl Ether	3.39	74	48745	20.548	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	73672	20.522	ug/l	99
10) Methyl Iodide	3.93	142	90966	19.468	ug/l	99
11) Tert butyl alcohol	4.76	59	79905	111.164	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	73270	20.841	ug/l	96
13) Acrolein	3.58	56	60066	85.604	ug/l	98
14) Allyl chloride	4.30	41	131720	20.201	ug/l	98
15) Acrylonitrile	4.96	53	218320	108.999	ug/l	100
16) Acetone	3.79	43	237072	119.932	ug/l	99
17) Carbon Disulfide	4.03	76	230352	19.093	ug/l	99
18) Methyl Acetate	4.30	43	111635	20.738	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	238533	21.055	ug/l	100
20) Methylene Chloride	4.52	84	83327	20.746	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	77791	20.309	ug/l	99
22) Diisopropyl ether	5.92	45	252454	20.835	ug/l	94
23) Vinyl Acetate	5.87	43	1054225	107.843	ug/l	100
24) 1,1-Dichloroethane	5.82	63	145490	20.869	ug/l	99
25) 2-Butanone	6.81	43	311282	114.469	ug/l	100
26) 2,2-Dichloropropane	6.80	77	121859	20.539	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85734	20.465	ug/l	99
28) Bromochloromethane	7.18	49	53419	18.734	ug/l	98
29) Tetrahydrofuran	7.19	42	199608	110.367	ug/l	100
30) Chloroform	7.35	83	137412	19.587	ug/l	100
31) Cyclohexane	7.63	56	140946	20.167	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	117888	20.548	ug/l	98
36) 1,1-Dichloropropene	7.77	75	108800	20.360	ug/l	100
37) Ethyl Acetate	6.90	43	122039	21.586	ug/l	98
38) Carbon Tetrachloride	7.76	117	103764	20.576	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	132652	20.750	ug/l	100
40) Benzene	8.02	78	326406	20.572	ug/l	99
41) Methacrylonitrile	7.19	41	169054	64.215	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	104752	20.821	ug/l	100
43) Isopropyl Acetate	8.15	43	180935	21.066	ug/l	99
44) Trichloroethene	8.82	130	83774	20.707	ug/l	100
45) 1,2-Dichloropropane	9.11	63	85180	20.525	ug/l	97
46) Dibromomethane	9.20	93	53017	20.701	ug/l	99
47) Bromodichloromethane	9.39	83	104279	20.131	ug/l	99
48) Methyl methacrylate	9.19	41	79019	20.737	ug/l	99
49) 1,4-Dioxane	9.19	88	25701	461.810	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	565001	113.411	ug/l	99
52) Toluene	10.15	92	196068	20.685	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121868	20.475	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	132945	20.691	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	76197	20.537	ug/l	99
56) Ethyl methacrylate	10.42	69	112913	22.405	ug/l	99
57) 1,3-Dichloropropane	10.70	76	129985	20.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	205150	129.051	ug/l	99
59) 2-Hexanone	10.75	43	424011	114.778	ug/l	99
60) Dibromochloromethane	10.90	129	79762	20.595	ug/l	97
61) 1,2-Dibromoethane	11.00	107	79348	20.871	ug/l	99
64) Tetrachloroethene	10.63	164	76519	20.808	ug/l	97
65) Chlorobenzene	11.43	112	204512	20.319	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74391	20.381	ug/l	99
67) Ethyl Benzene	11.51	91	366304	20.720	ug/l	100
68) m/p-Xylenes	11.62	106	273856	41.490	ug/l	100
69) o-Xylene	11.95	106	130036	20.542	ug/l	98
70) Styrene	11.96	104	206304	22.053	ug/l	99
71) Bromoform	12.13	173	57011	20.513	ug/l #	98
73) Isopropylbenzene	12.25	105	351565	21.004	ug/l	100
74) N-amyl acetate	12.07	43	135675	23.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	115237	21.112	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	152419	29.820	ug/l #	100
77) Bromobenzene	12.53	156	84634	20.653	ug/l	99
78) n-propylbenzene	12.59	91	403756	20.933	ug/l	100
79) 2-Chlorotoluene	12.68	91	240864	20.888	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	296141	21.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40885	20.553	ug/l	97
82) 4-Chlorotoluene	12.78	91	243414	20.516	ug/l	100
83) tert-Butylbenzene	13.00	119	251523	20.820	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	291197	21.128	ug/l	99
85) sec-Butylbenzene	13.17	105	338860	21.122	ug/l	100
86) p-Isopropyltoluene	13.29	119	306797	21.153	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	149020	20.520	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	146506	20.094	ug/l	98
89) n-Butylbenzene	13.62	91	250878	19.788	ug/l	100
90) Hexachloroethane	13.88	117	55536	20.034	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	145718	20.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23991	25.695	ug/l	97

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Response via : Initial Calibration

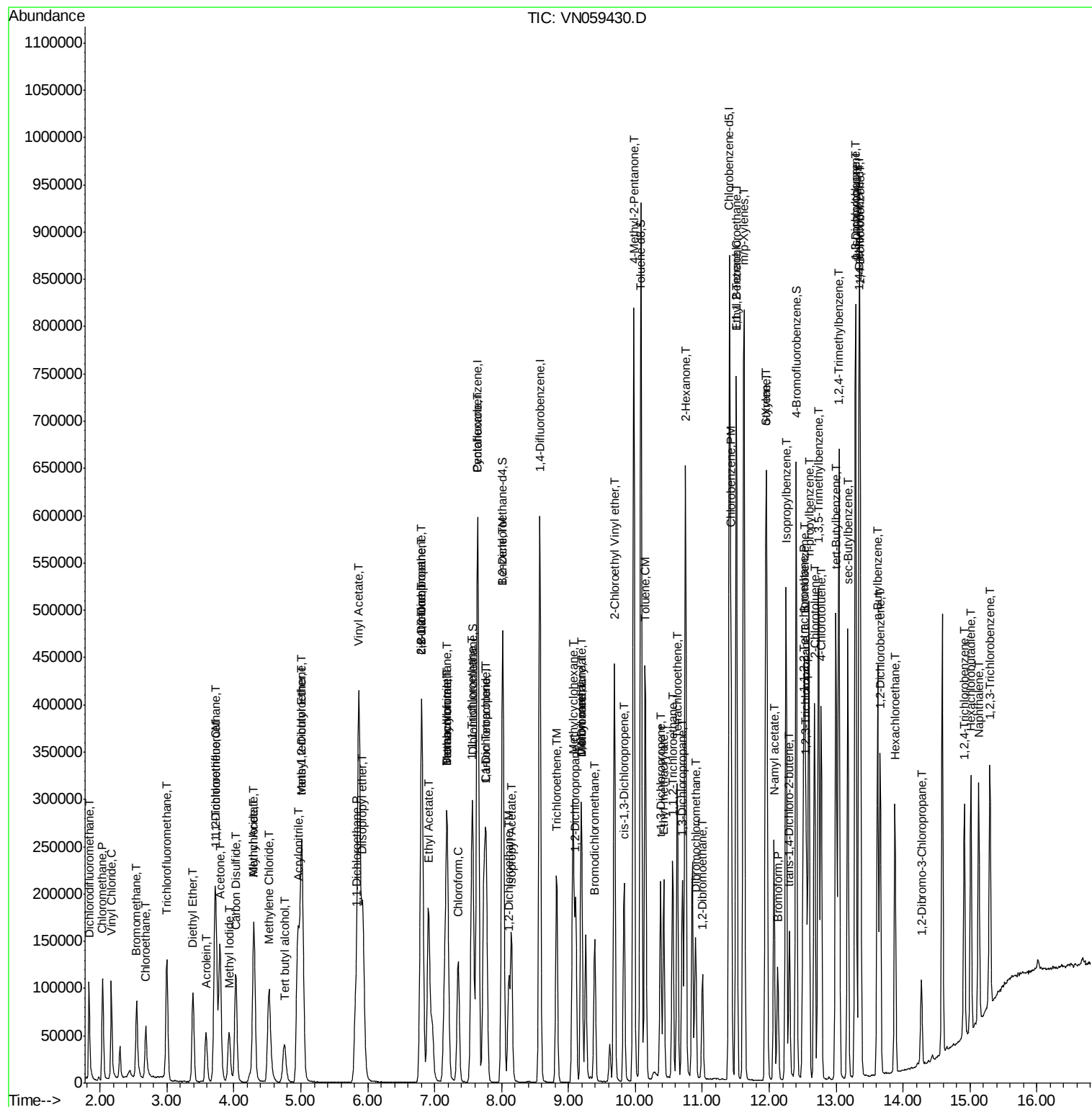
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81474	18.419	ug/l	99
94) Hexachlorobutadiene	15.01	225	52718	19.447	ug/l	99
95) Naphthalene	15.13	128	210741	22.808	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	81288	22.217	ug/l	98

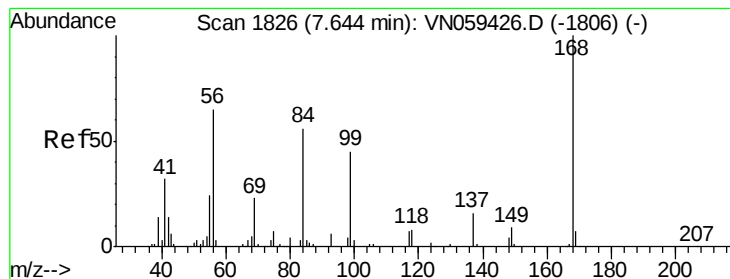
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

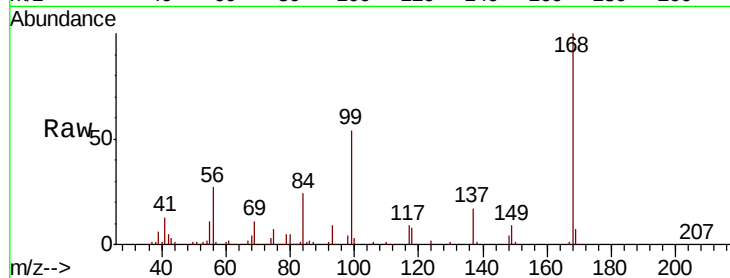
ClientSampled :

Tot Ion:168 Resp: 354217

Ion Ratio Lower Upper

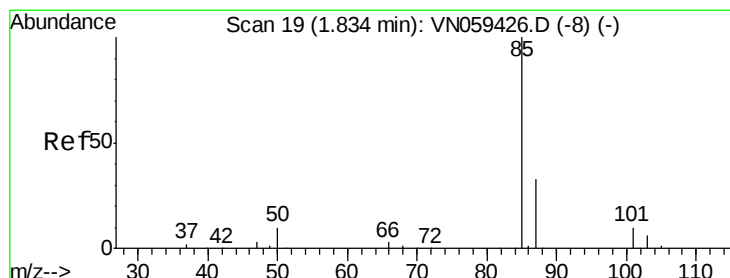
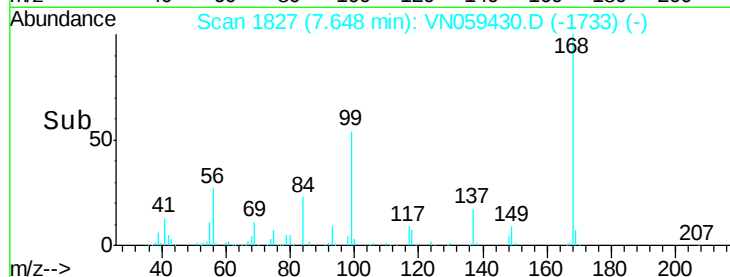
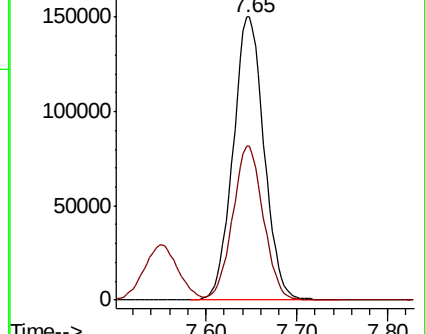
168 100

99 54.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.499 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059430.D

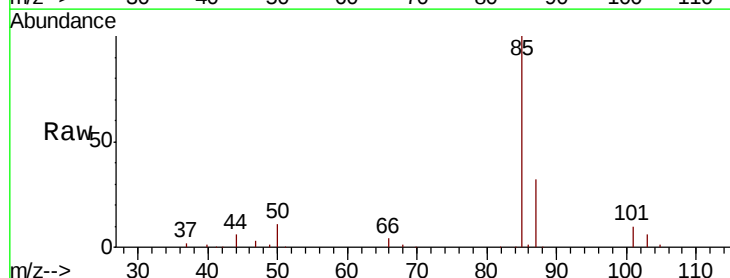
Acq: 27 Nov 2019 18:48

Tgt Ion: 85 Resp: 89630

Ion Ratio Lower Upper

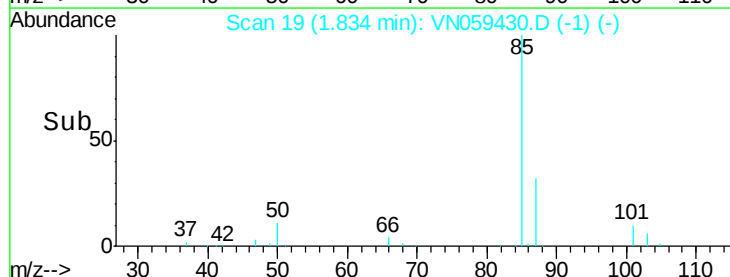
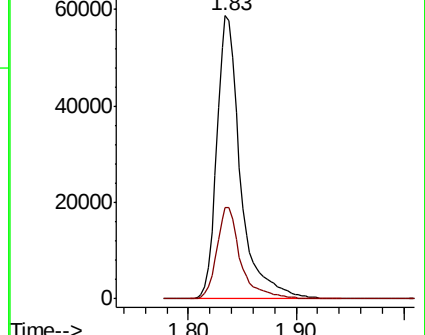
85 100

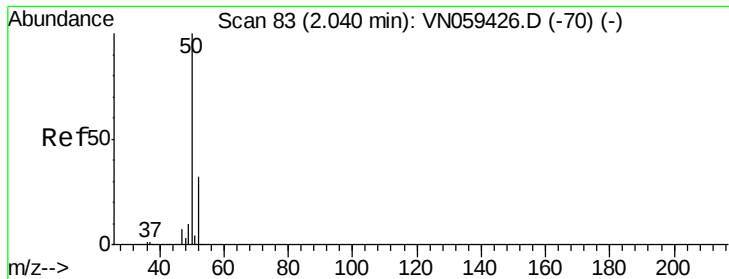
87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.861 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

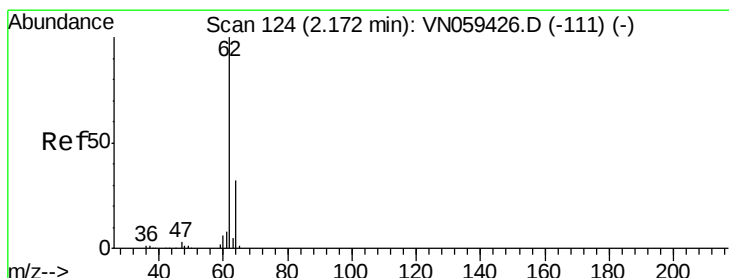
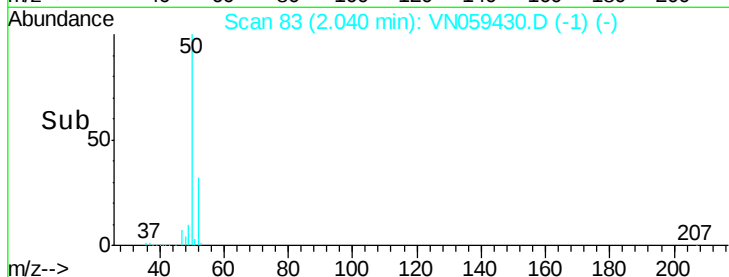
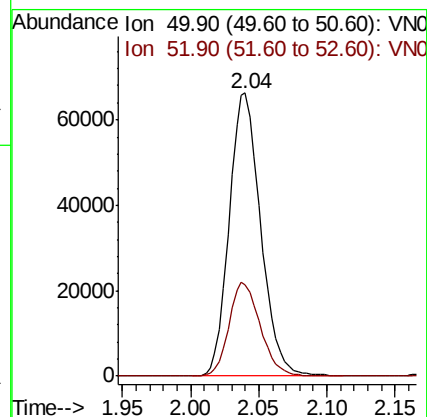
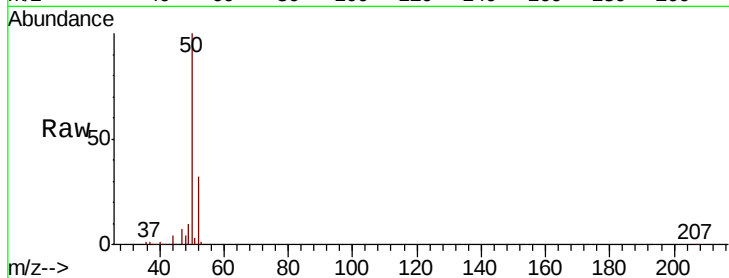
ClientSampleId :

Tot Ion: 50 Resp: 106237

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 20.599 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059430.D

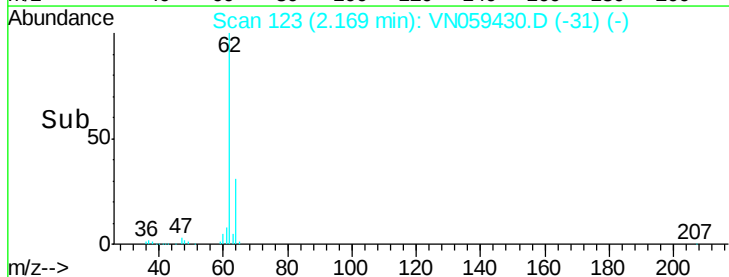
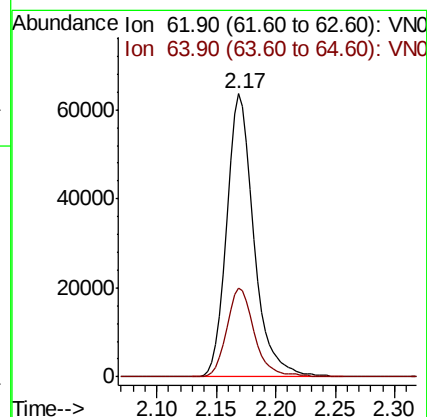
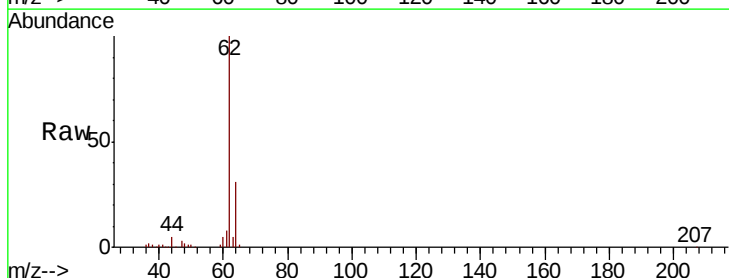
Acq: 27 Nov 2019 18:48

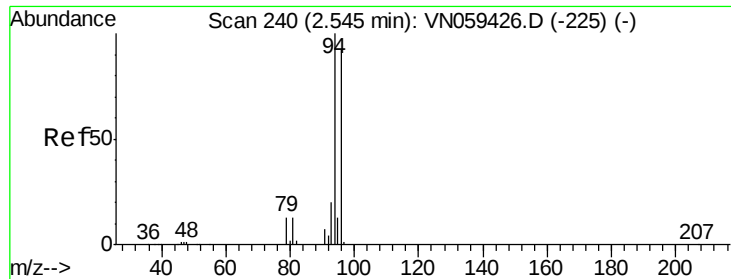
Tgt Ion: 62 Resp: 100804

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 20.650 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

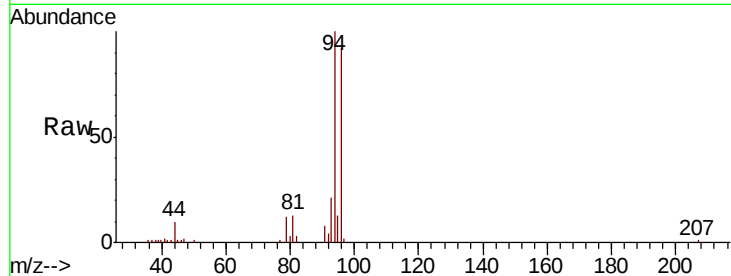
ClientSampleId :

Tot Ion: 94 Resp: 60843

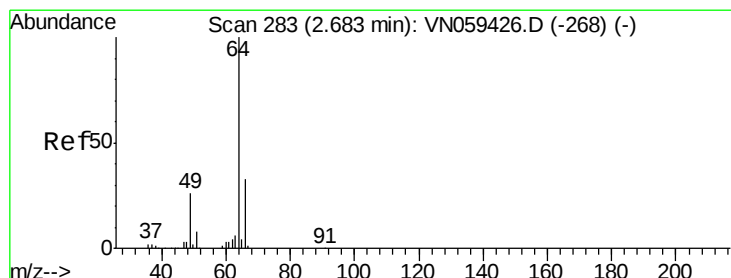
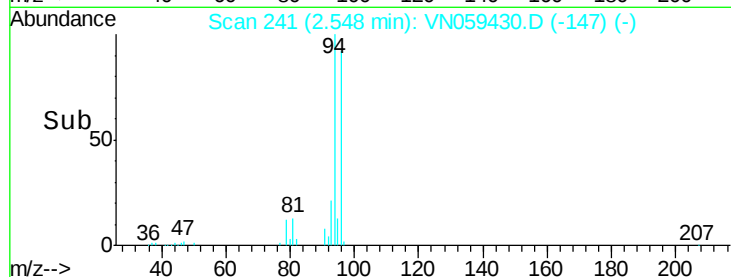
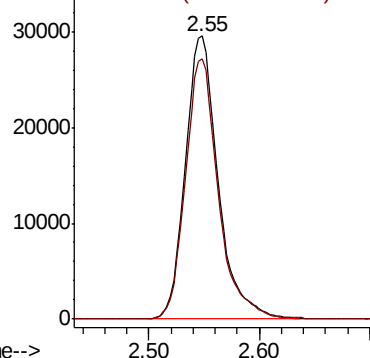
Ion Ratio Lower Upper

94 100

96 92.2 73.8 110.6



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



#6

Chloroethane

Concen: 20.682 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059430.D

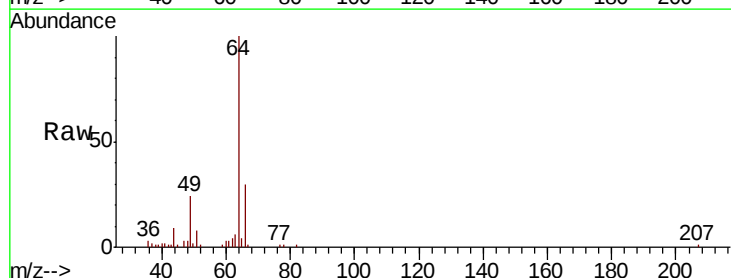
Acq: 27 Nov 2019 18:48

Tgt Ion: 64 Resp: 56747

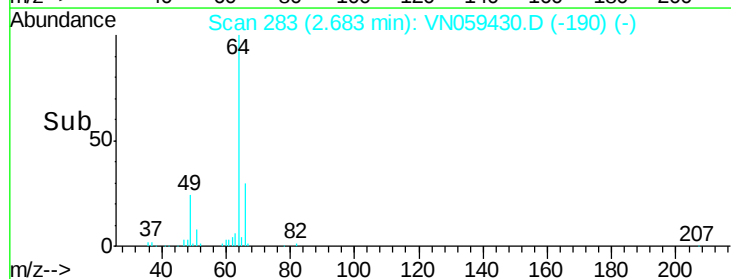
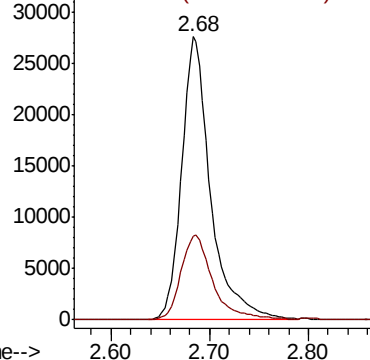
Ion Ratio Lower Upper

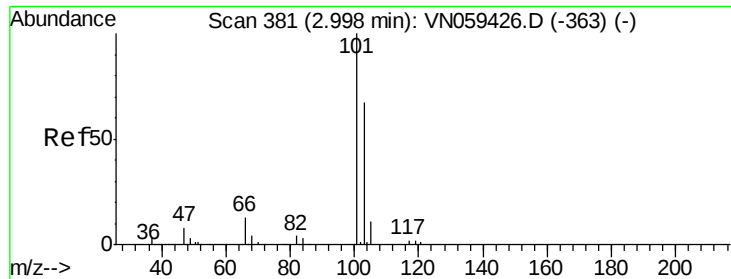
64 100

66 29.6 26.5 39.7



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



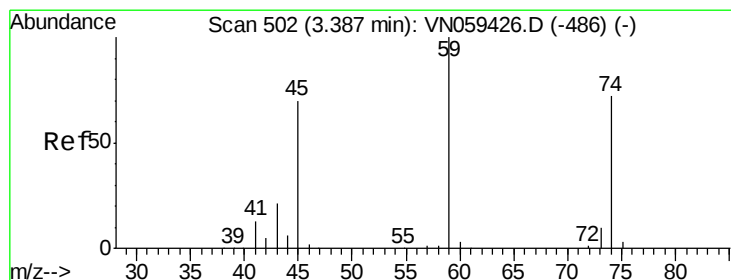
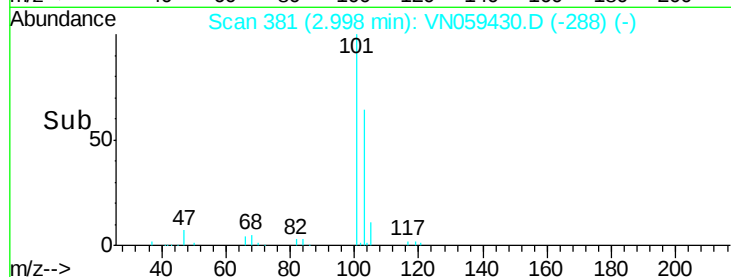
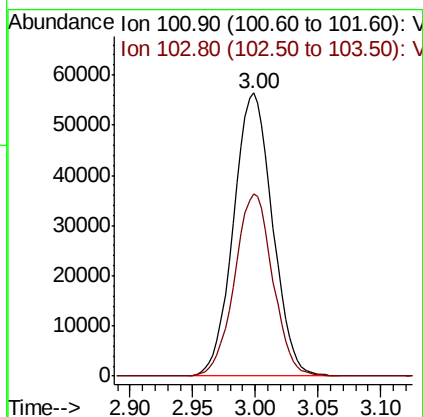
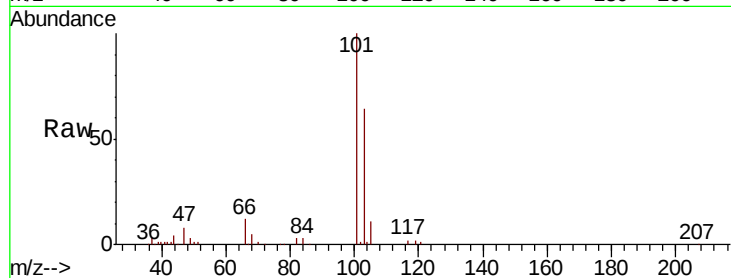


#7

Trichlorofluoromethane
Concen: 20.902 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Instrument :
MSVOA_N
ClientSampled :

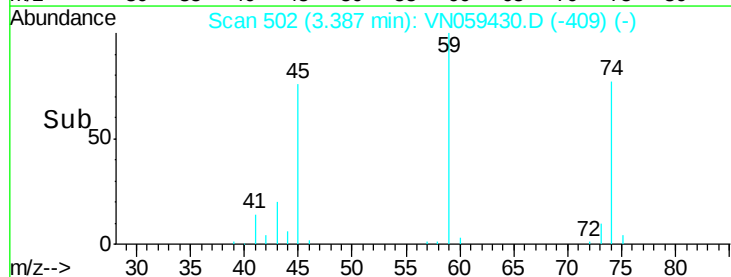
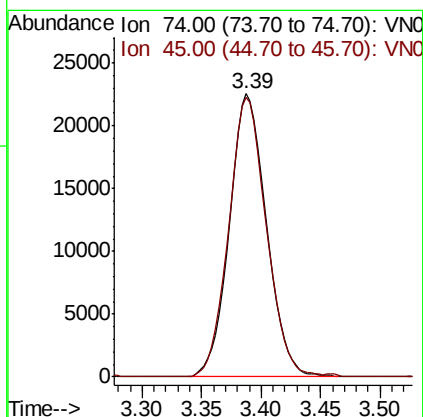
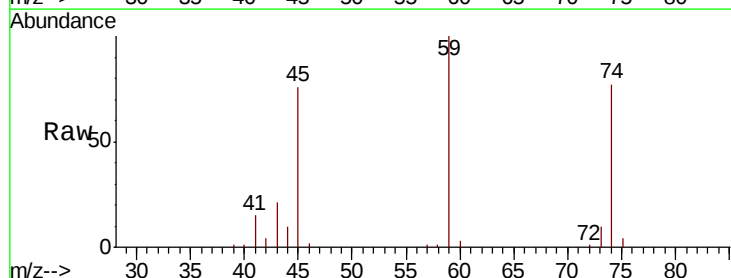
Tot Ion:101 Resp: 121834
Ion Ratio Lower Upper
101 100
103 64.4 53.6 80.4

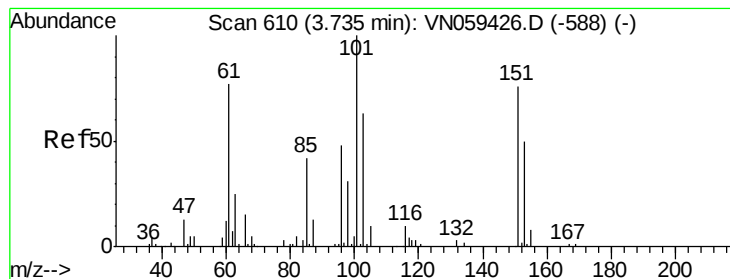


#8

Diethyl Ether
Concen: 20.548 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 74 Resp: 48745
Ion Ratio Lower Upper
74 100
45 99.8 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.522 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

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ClientSampleId :

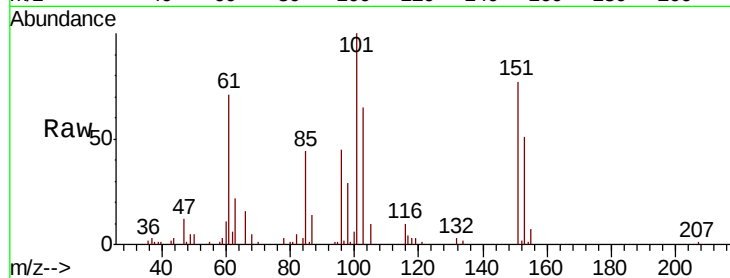
Tot Ion:101 Resp: 73672

Ion Ratio Lower Upper

101 100

85 43.3 34.2 51.2

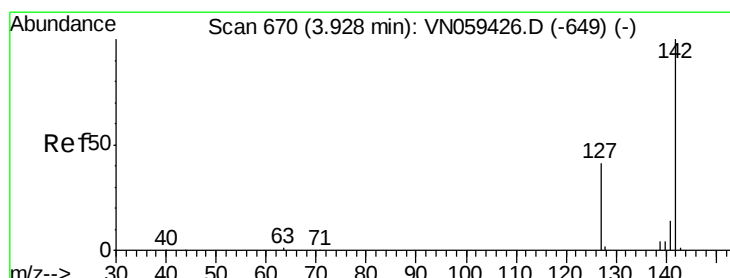
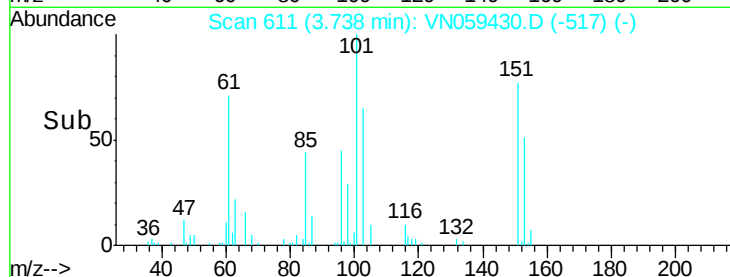
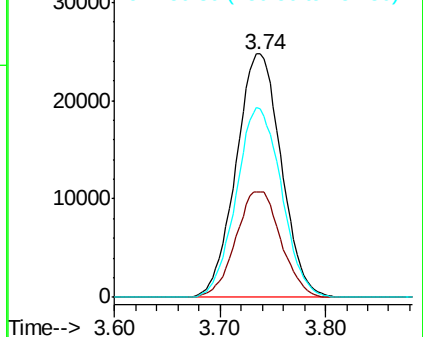
151 78.0 62.6 93.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.468 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

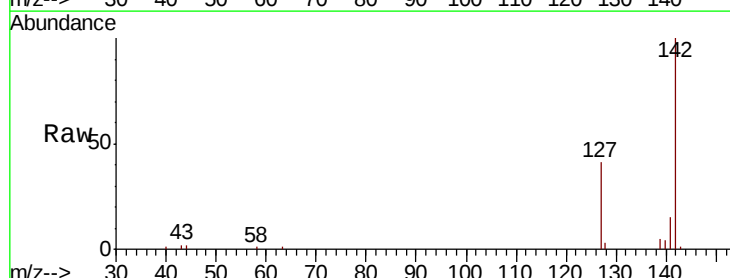
Tgt Ion:142 Resp: 90966

Ion Ratio Lower Upper

142 100

127 41.2 32.6 48.8

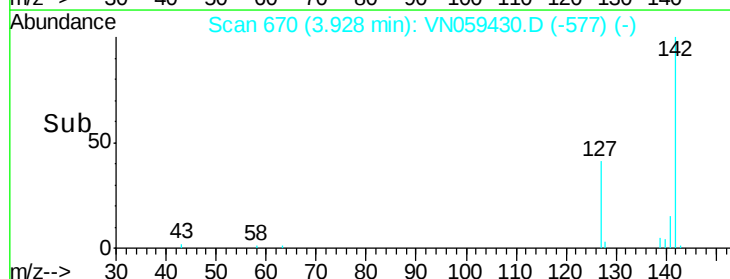
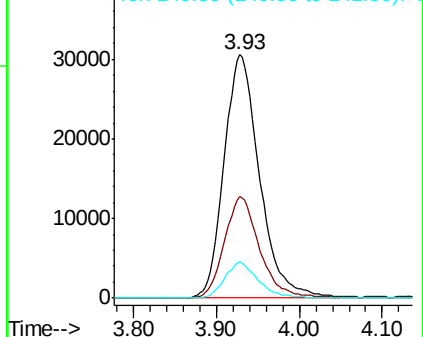
141 13.9 11.1 16.7

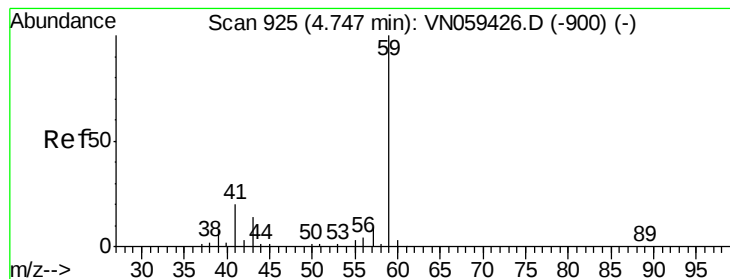


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



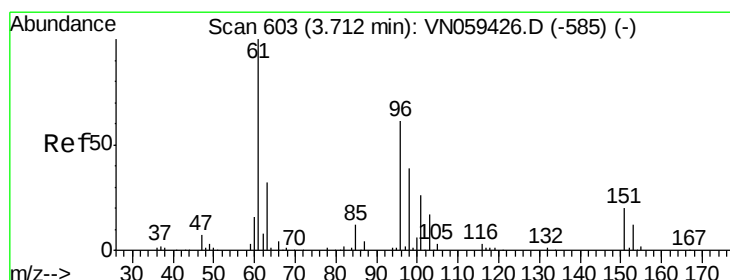
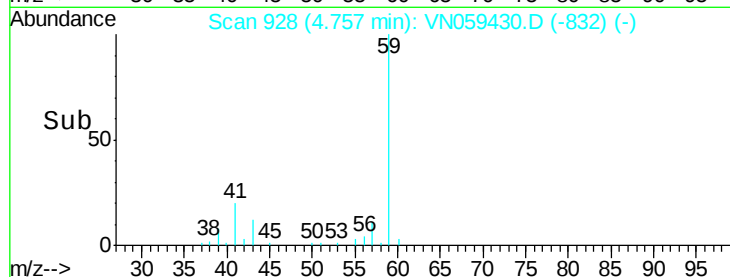
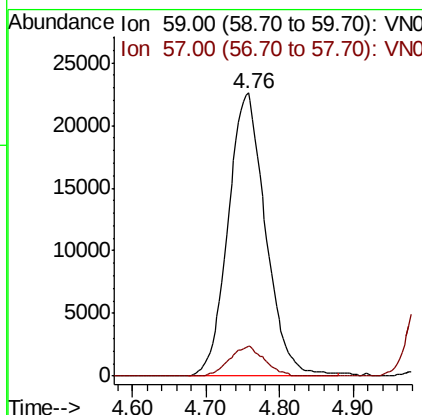
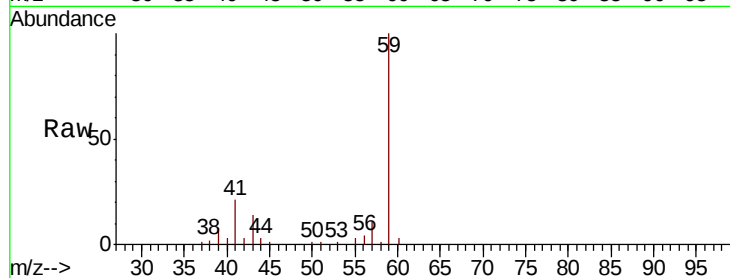


#11

Tert butyl alcohol
Concen: 111.164 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Instrument :
MSVOA_N
ClientSampled :

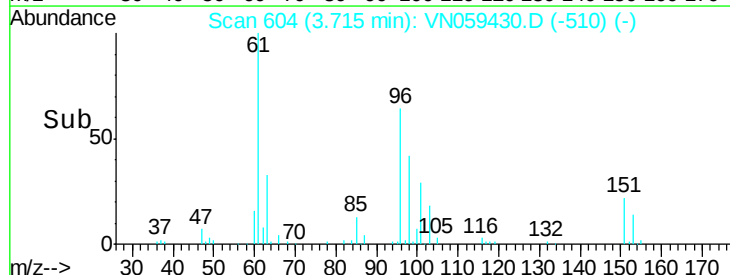
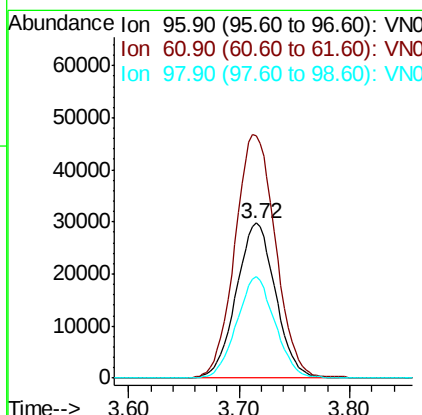
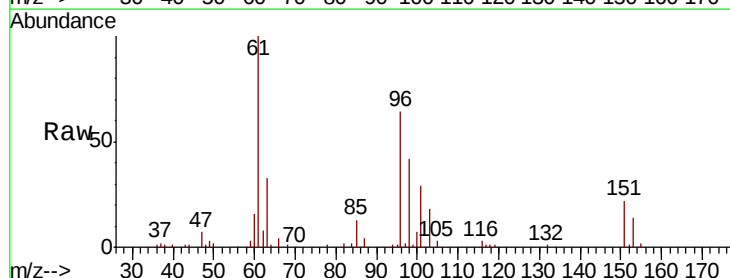
Tot Ion: 59 Resp: 79905
Ion Ratio Lower Upper
59 100
57 9.8 3.8 5.8#

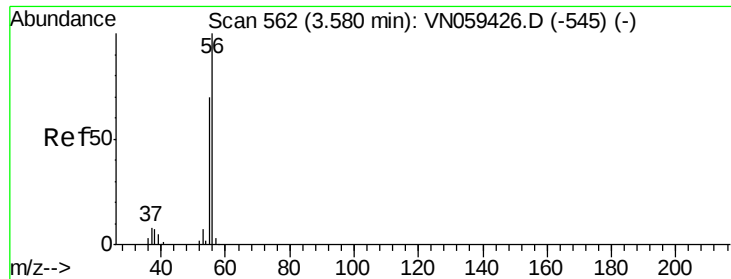


#12

1,1-Dichloroethene
Concen: 20.841 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 96 Resp: 73270
Ion Ratio Lower Upper
96 100
61 156.2 130.5 195.7
98 65.4 51.3 76.9





#13

Acrolein

Concen: 85.604 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

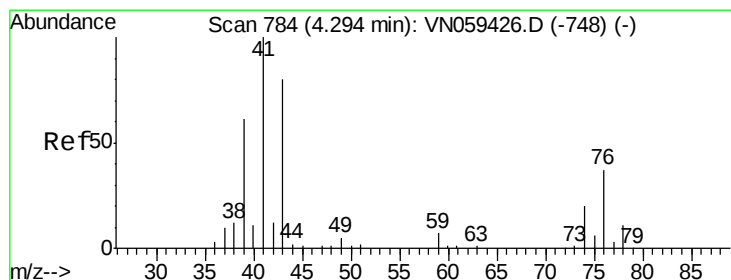
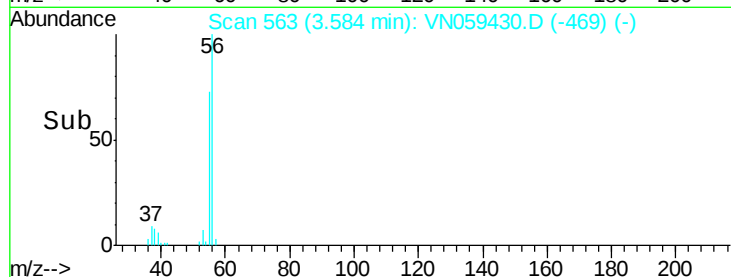
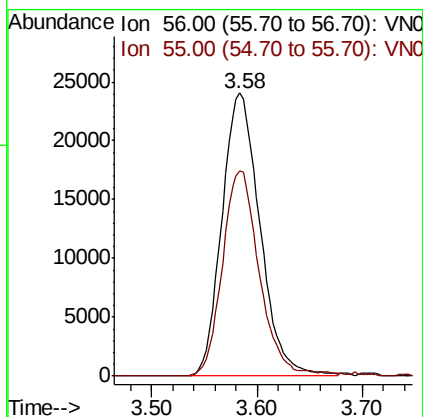
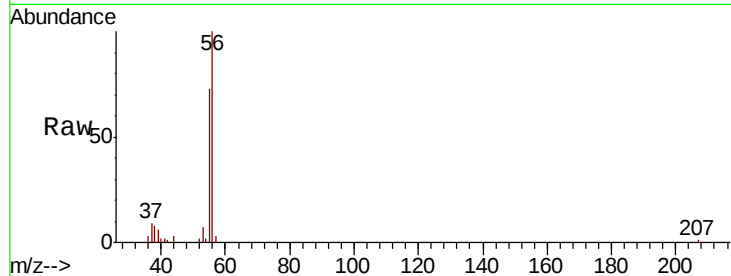
ClientSampled :

Tot Ion: 56 Resp: 60066

Ion Ratio Lower Upper

56 100

55 70.2 57.8 86.6



#14

Allyl chloride

Concen: 20.201 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

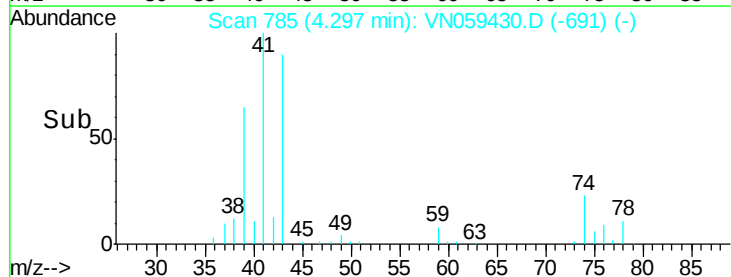
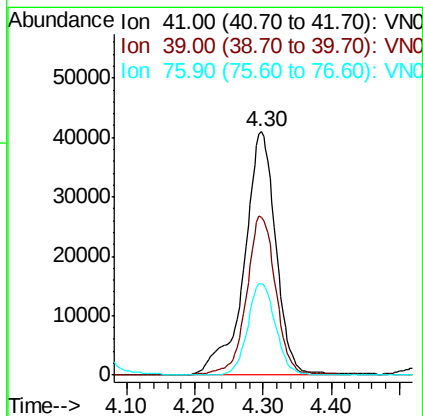
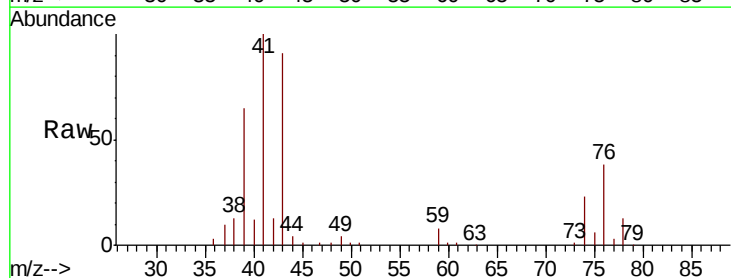
Tgt Ion: 41 Resp: 131720

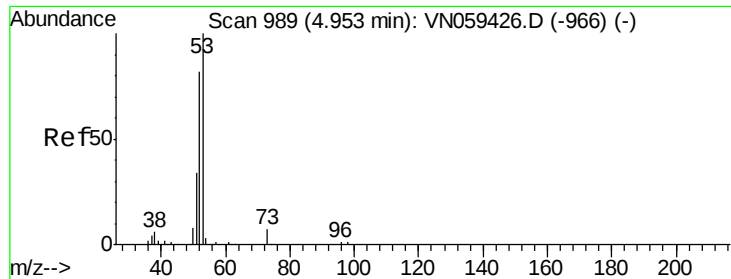
Ion Ratio Lower Upper

41 100

39 60.5 46.5 69.7

76 33.1 26.8 40.2





#15

Acrylonitrile

Concen: 108.999 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

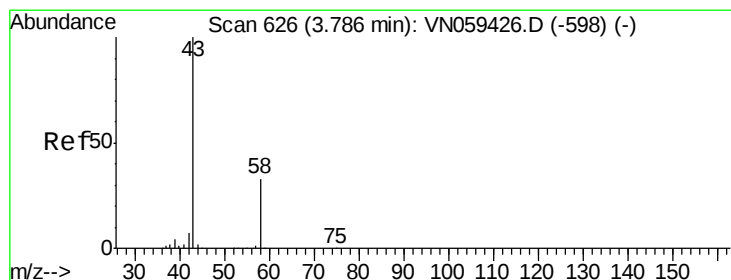
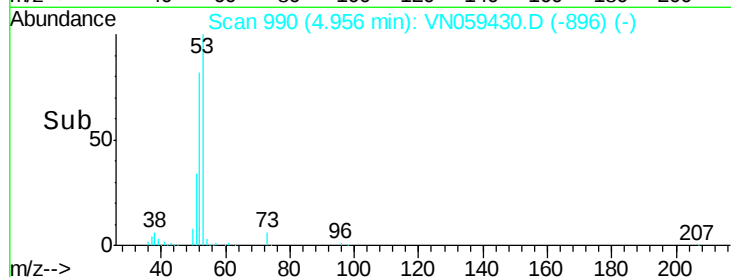
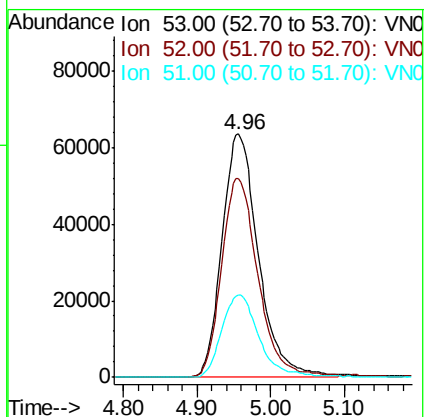
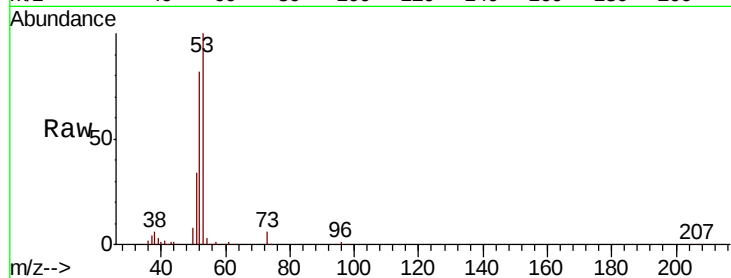
Tot Ion: 53 Resp: 218320

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

51 34.8 27.8 41.8



#16

Acetone

Concen: 119.932 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059430.D

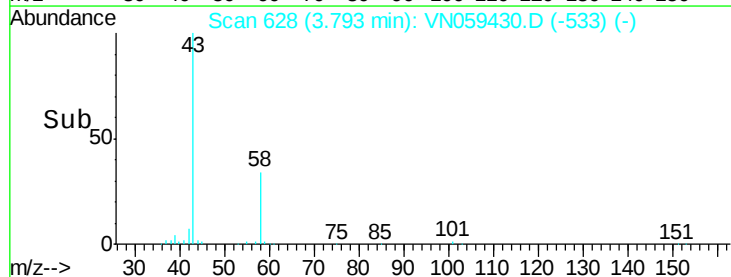
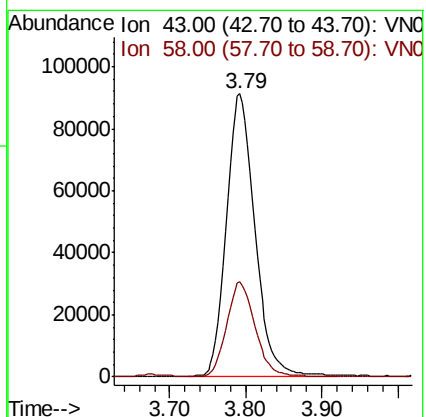
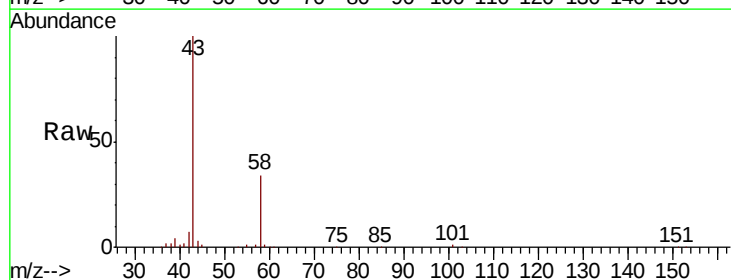
Acq: 27 Nov 2019 18:48

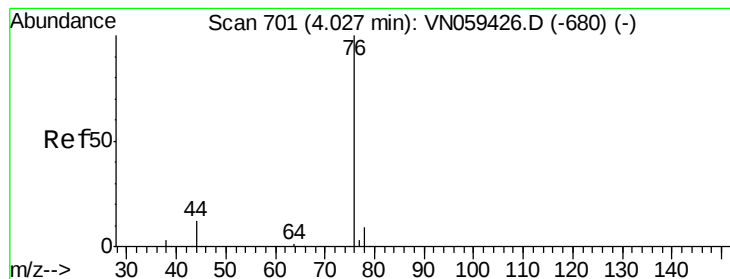
Tgt Ion: 43 Resp: 237072

Ion Ratio Lower Upper

43 100

58 33.7 26.6 39.8





#17

Carbon Disulfide

Concen: 19.093 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

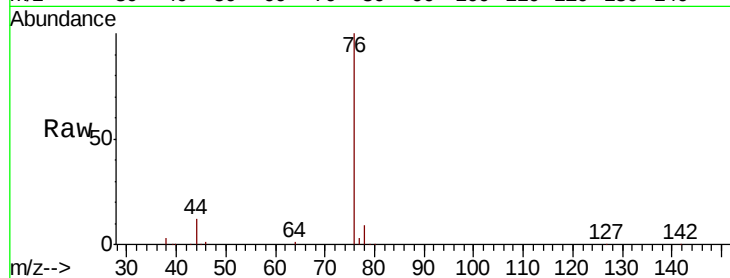
ClientSampleId :

Tot Ion: 76 Resp: 230352

Ion Ratio Lower Upper

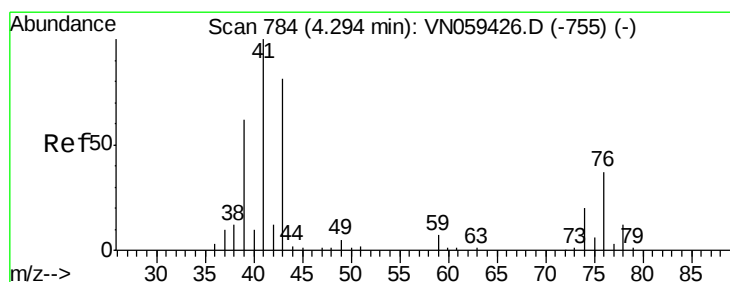
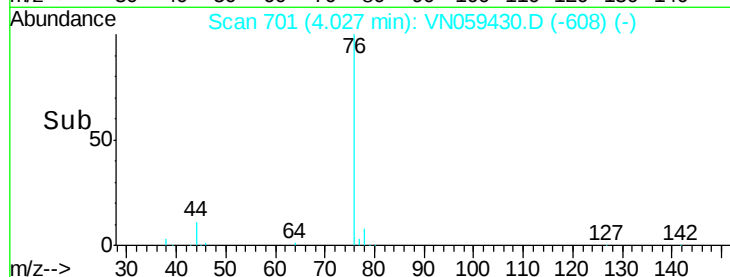
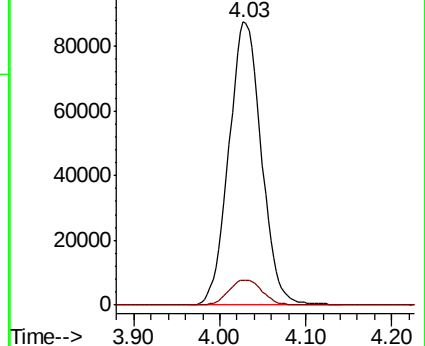
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 20.738 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059430.D

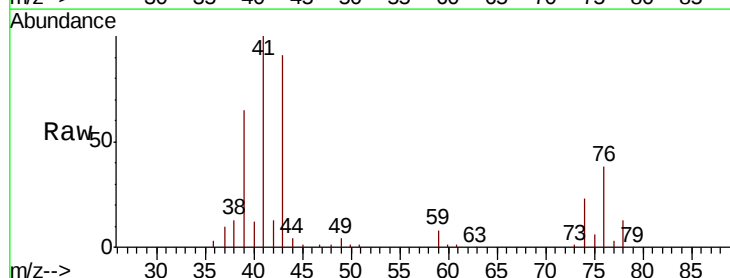
Acq: 27 Nov 2019 18:48

Tgt Ion: 43 Resp: 111635

Ion Ratio Lower Upper

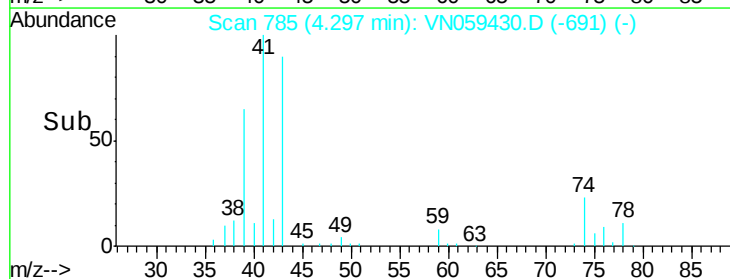
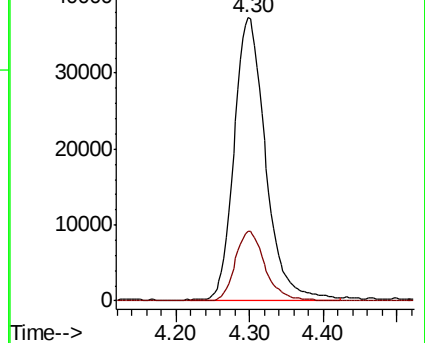
43 100

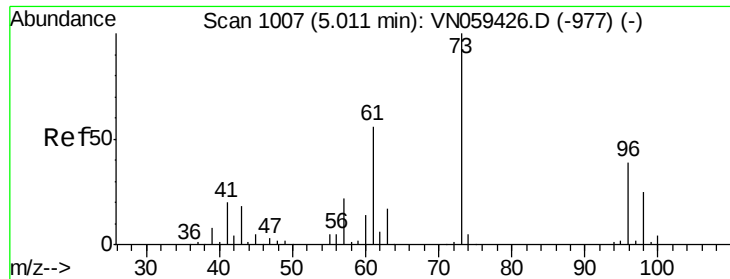
74 23.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

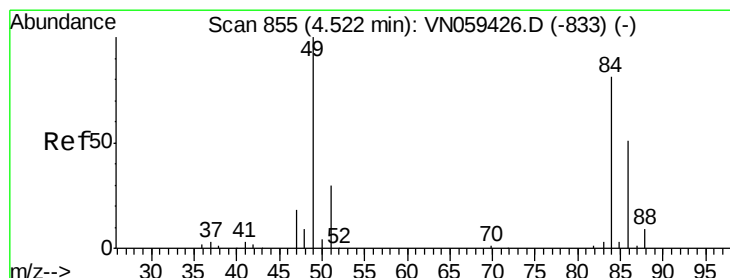
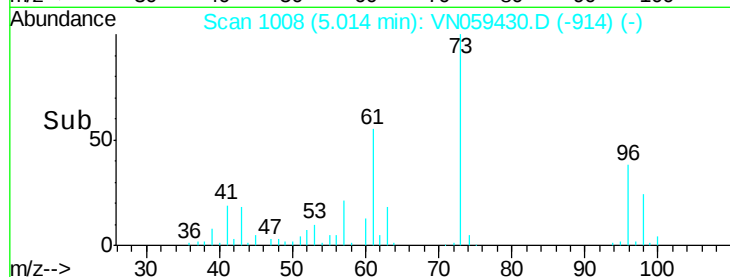
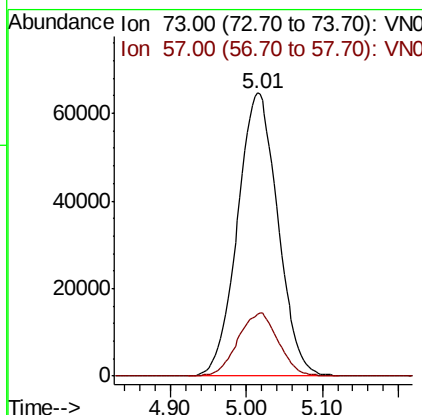
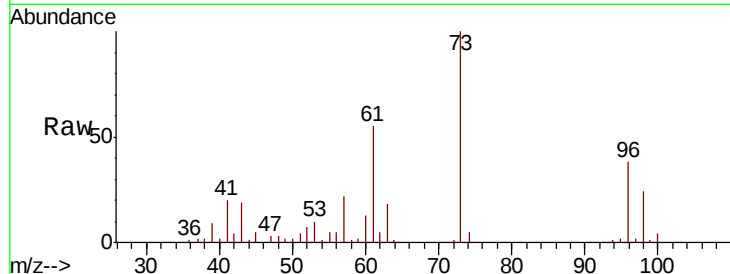




#19
Methvl tert-butvl Ether
Concen: 21.055 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

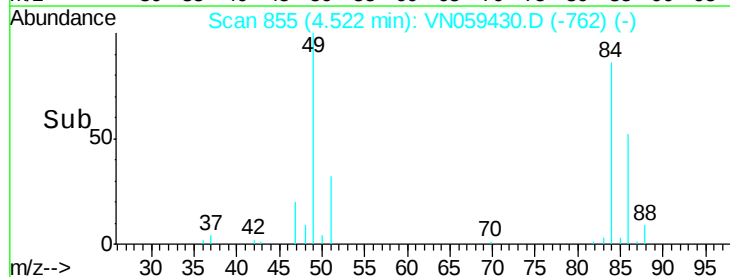
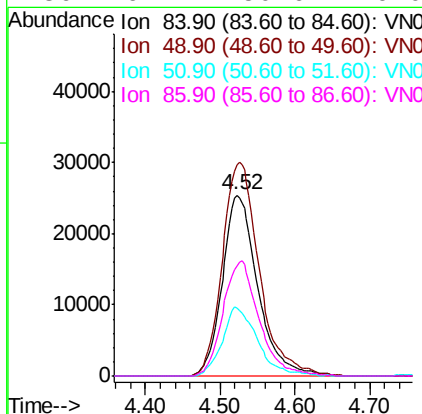
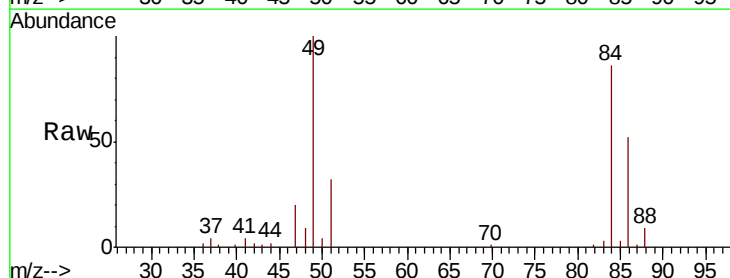
Instrument :
MSVOA_N
ClientSampled :

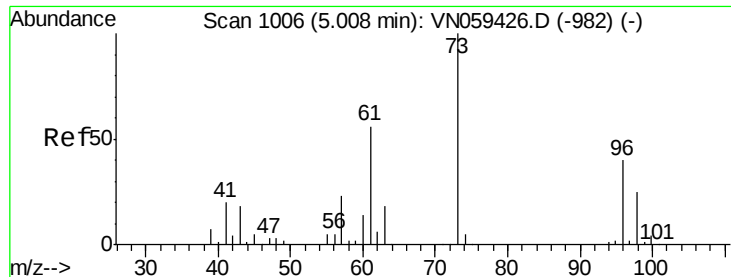
Tot Ion: 73 Resp: 238533
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5



#20
Methylene Chloride
Concen: 20.746 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 84 Resp: 83327
Ion Ratio Lower Upper
84 100
49 116.9 98.6 148.0
51 37.5 29.4 44.0
86 61.1 50.6 76.0



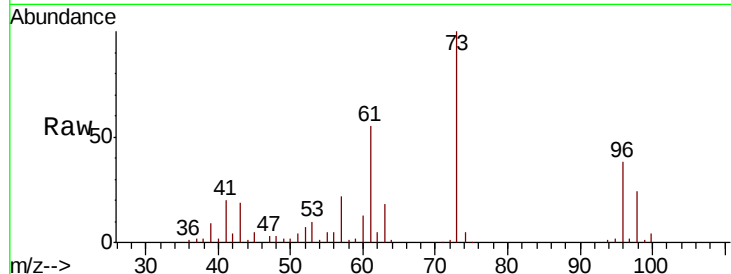


#21

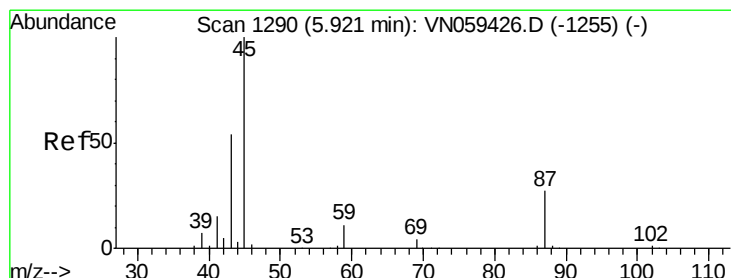
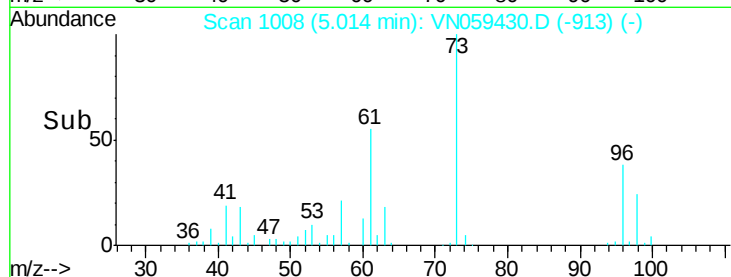
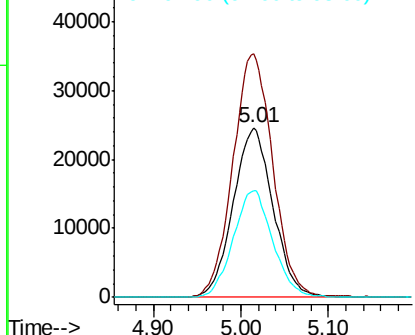
trans-1,2-Dichloroethene
Concen: 20.309 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 77791
Ion Ratio Lower Upper
96 100
61 143.5 114.0 171.0
98 63.0 50.5 75.7



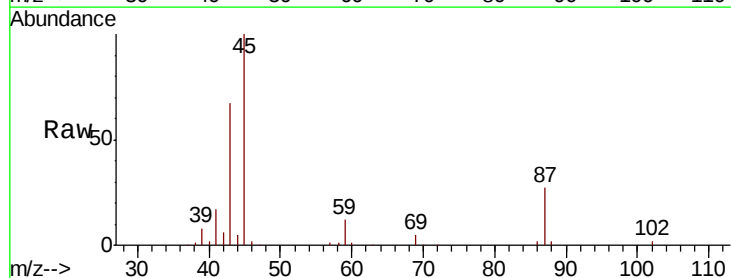
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



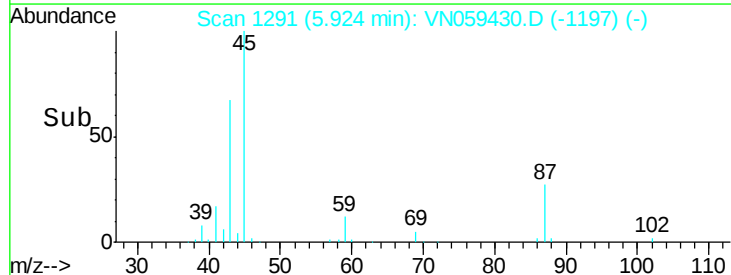
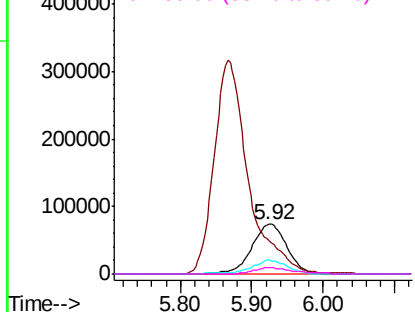
#22

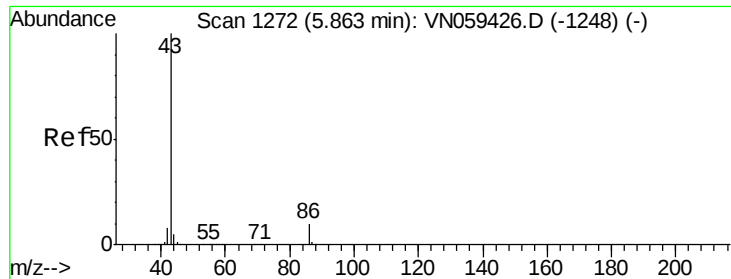
Diisopropyl ether
Concen: 20.835 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 45 Resp: 252454
Ion Ratio Lower Upper
45 100
43 64.8 46.3 69.5
87 27.3 21.8 32.6
59 12.0 9.0 13.4



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





#23

Vinyl Acetate

Concen: 107.843 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

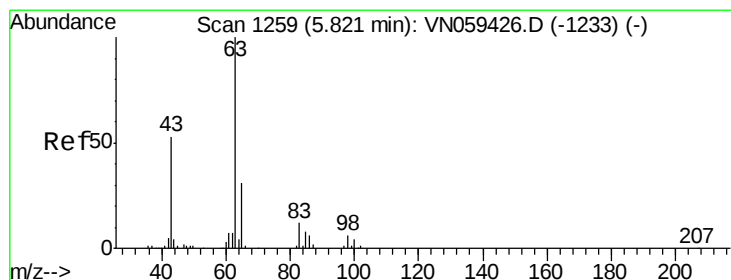
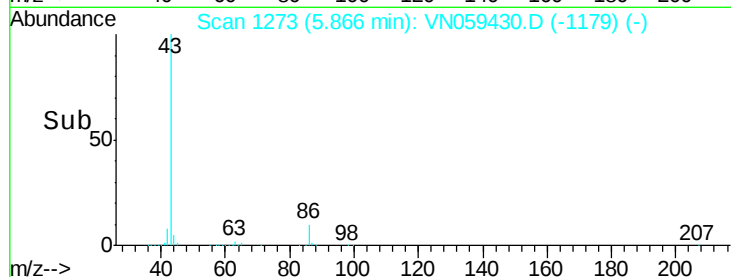
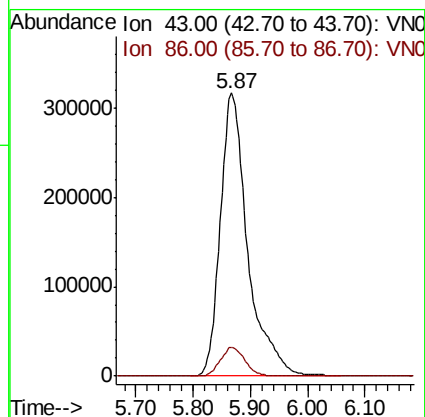
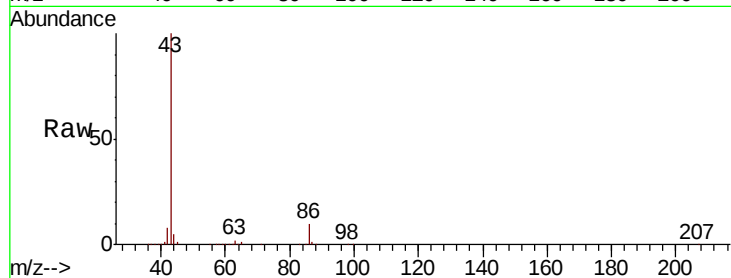
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1054225

Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.4



#24

1,1-Dichloroethane

Concen: 20.869 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

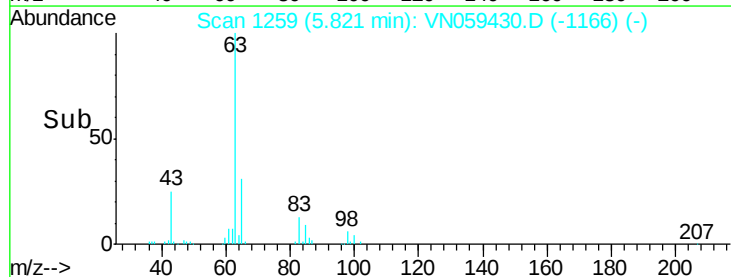
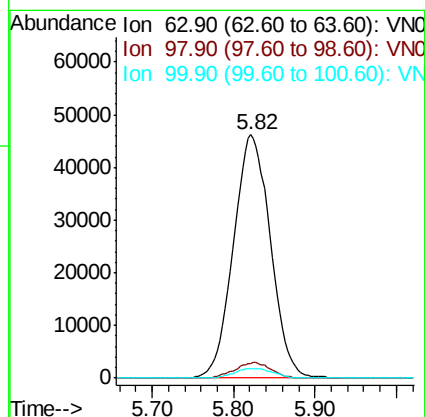
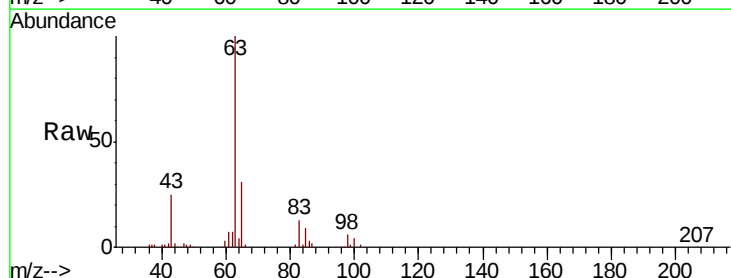
Tgt Ion: 63 Resp: 145490

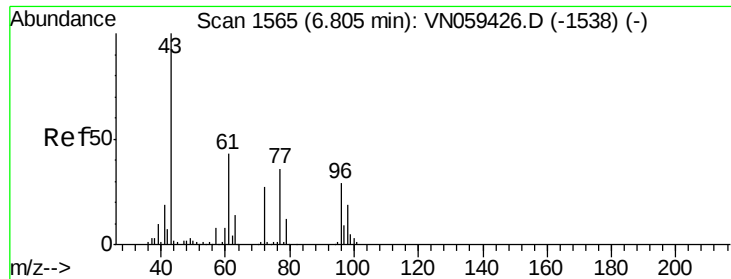
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 114.469 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

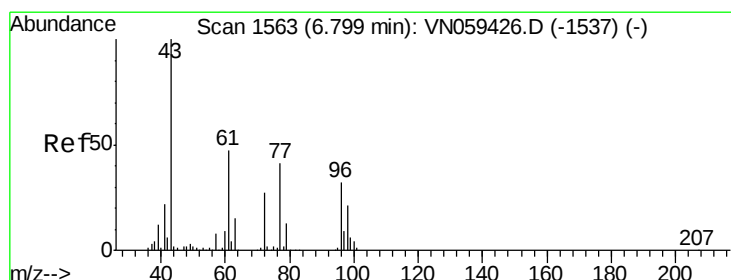
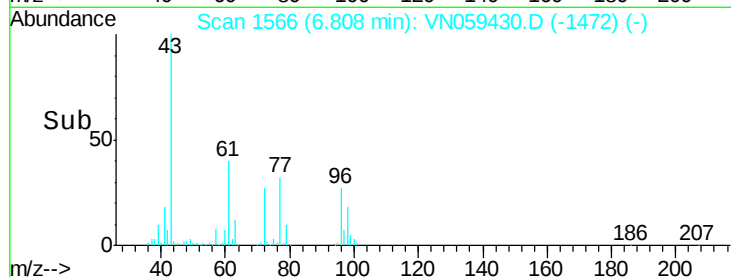
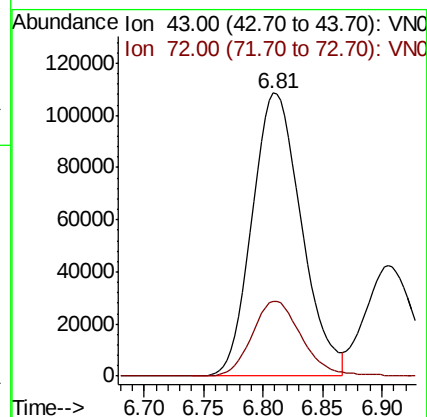
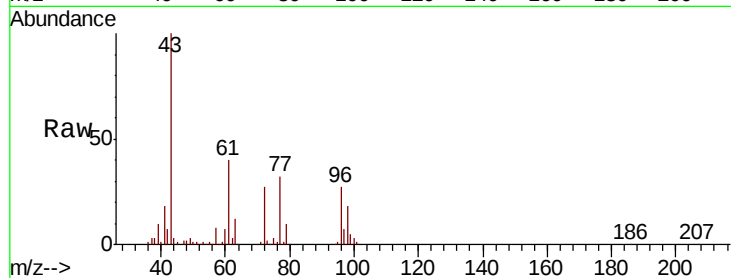
ClientSampleId :

Tot Ion: 43 Resp: 311282

Ion Ratio Lower Upper

43 100

72 26.6 21.4 32.2



#26

2,2-Dichloropropane

Concen: 20.539 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059430.D

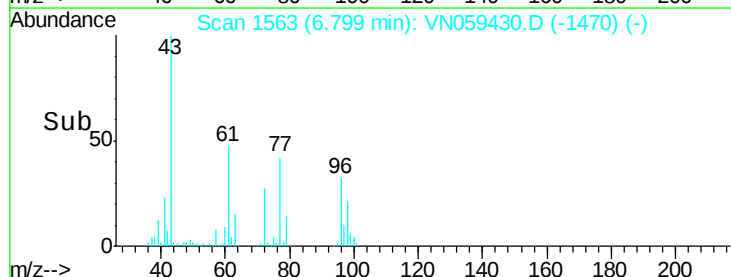
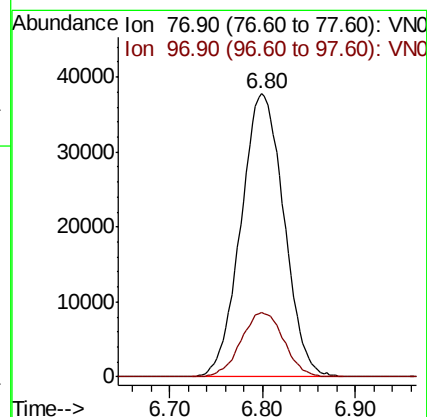
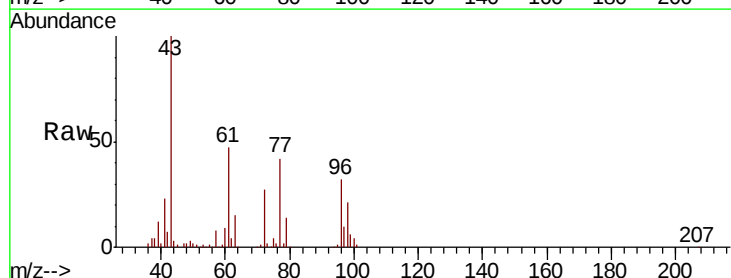
Acq: 27 Nov 2019 18:48

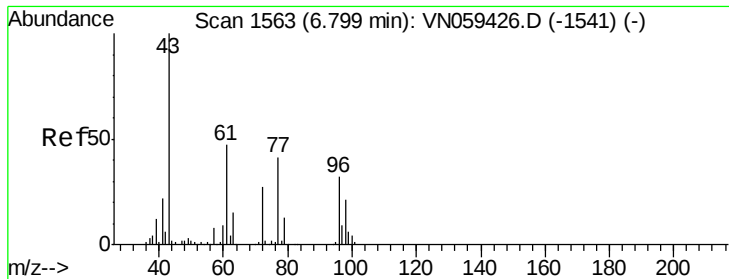
Tgt Ion: 77 Resp: 121859

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.465 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

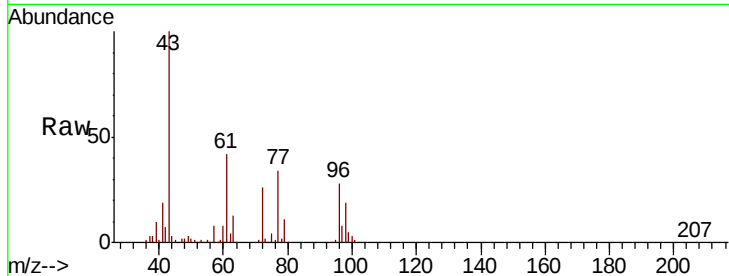
Tot Ion: 96 Resp: 85734

Ion Ratio Lower Upper

96 100

61 150.0 0.0 297.6

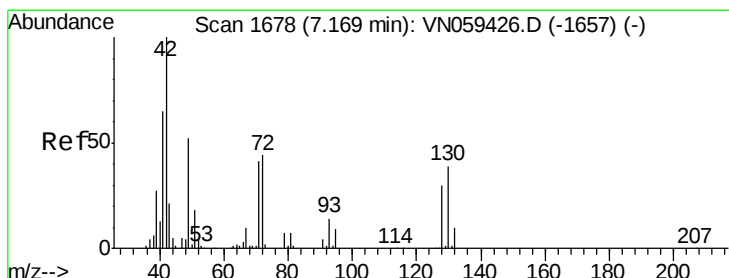
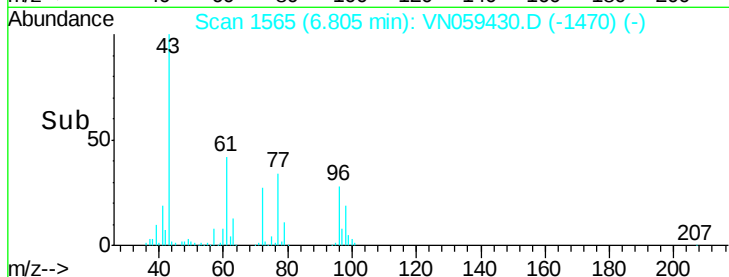
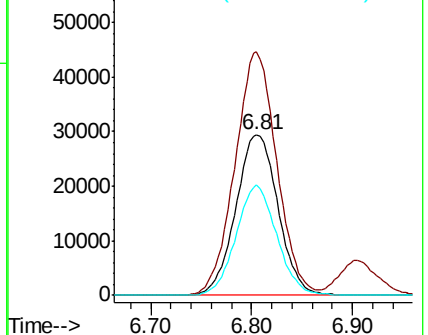
98 65.8 0.0 130.8



Abundance Ion 95.90 (95.60 to 96.60): VN059430.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059430.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059430.D (-1470) (-)



#28

Bromochloromethane

Concen: 18.734 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

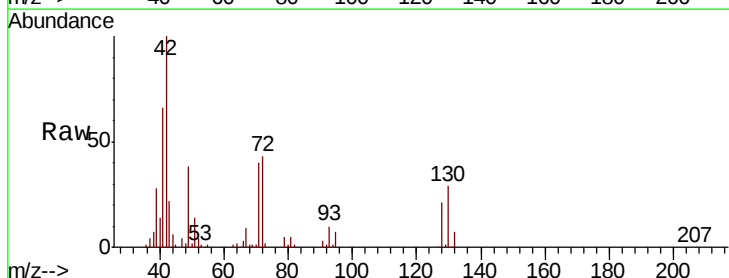
Tgt Ion: 49 Resp: 53419

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

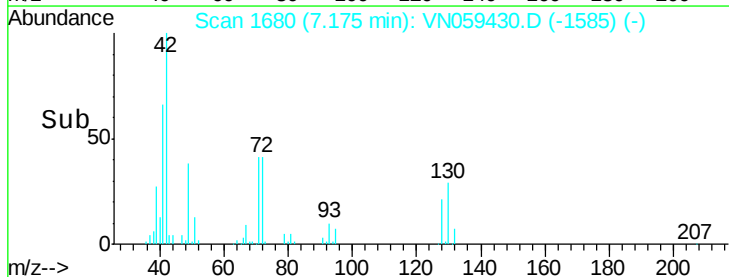
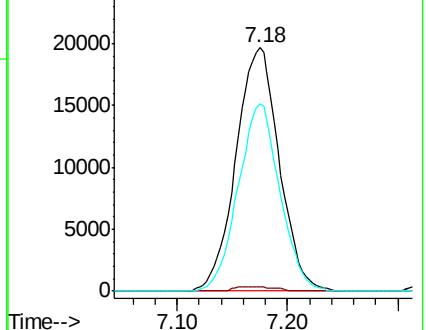
130 74.2 60.5 90.7

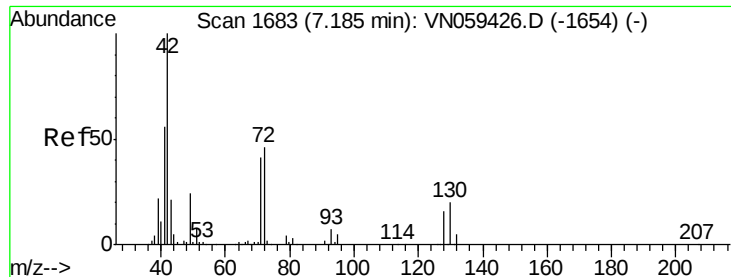


Abundance Ion 48.90 (48.60 to 49.60): VN059430.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059430.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059430.D (-1585) (-)

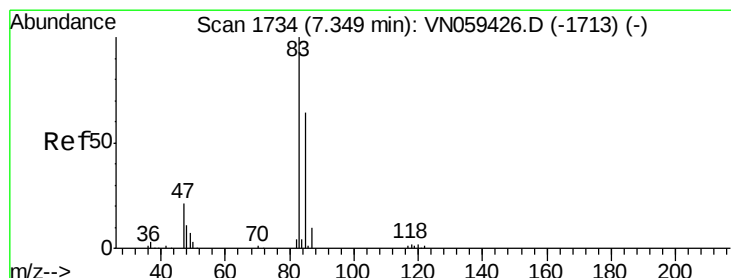
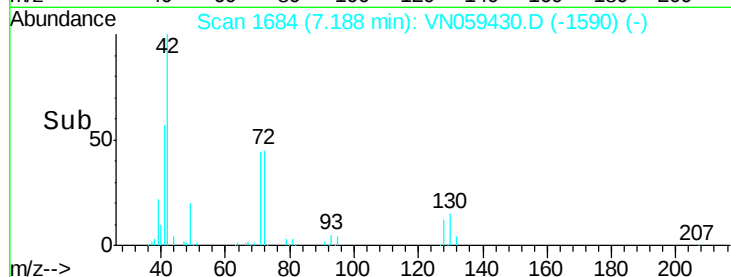
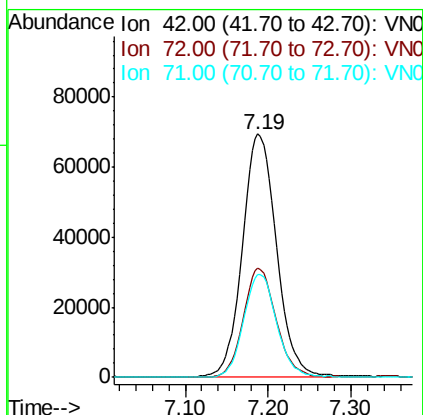
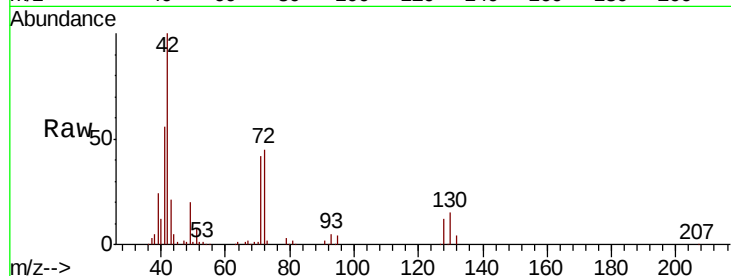




#29
Tetrahydrofuran
Concen: 110.367 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

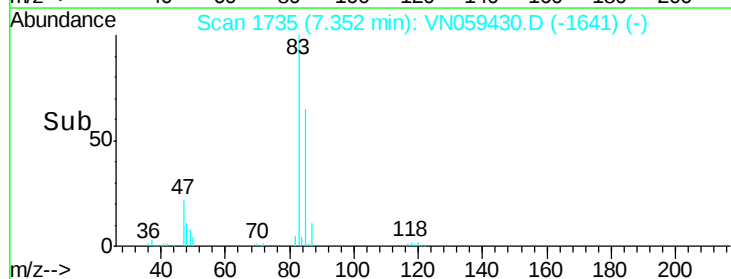
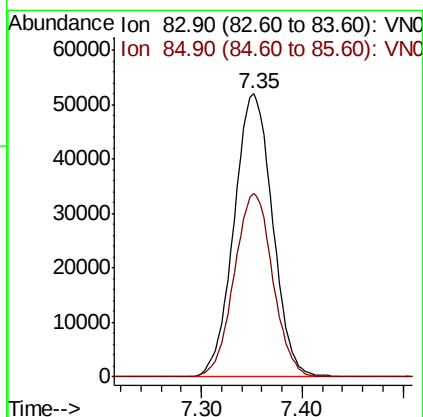
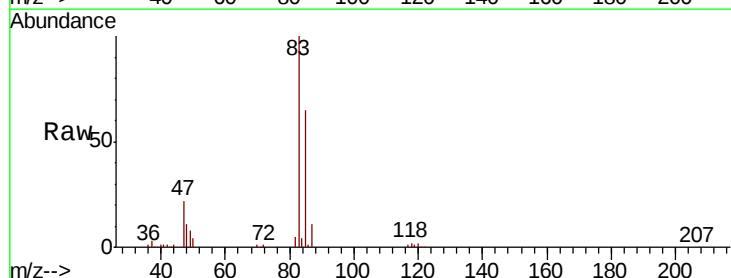
Instrument :
MSVOA_N
ClientSampled :

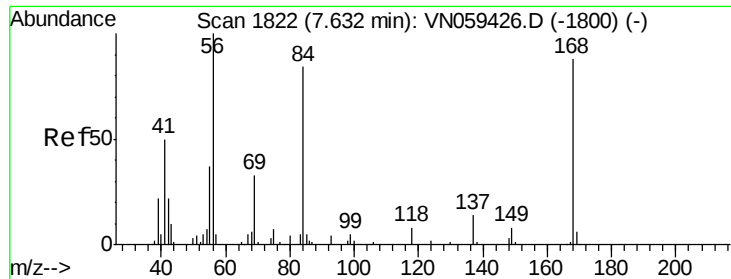
Tot Ion: 42 Resp: 199608
Ion Ratio Lower Upper
42 100
72 43.0 34.6 51.8
71 41.0 33.0 49.6



#30
Chloroform
Concen: 19.587 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 83 Resp: 137412
Ion Ratio Lower Upper
83 100
85 64.8 51.6 77.4

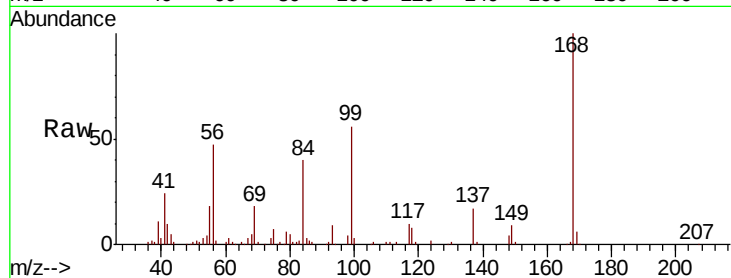




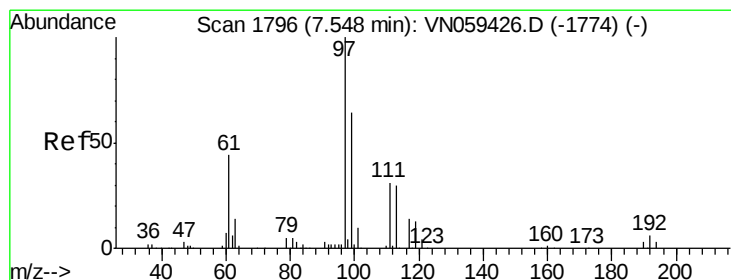
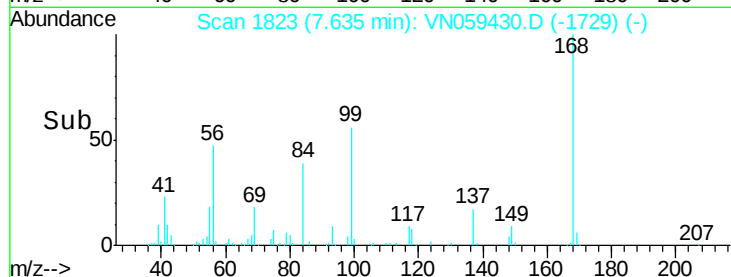
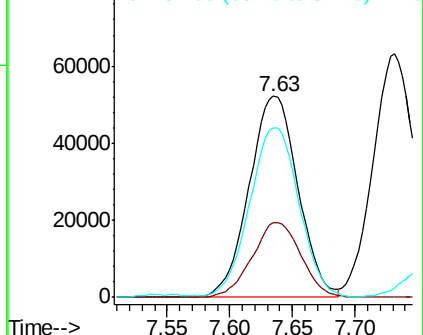
#31
Cyclohexane
Concen: 20.167 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 140946
Ion Ratio Lower Upper
56 100
69 37.1 26.4 39.6
84 83.4 67.0 100.6

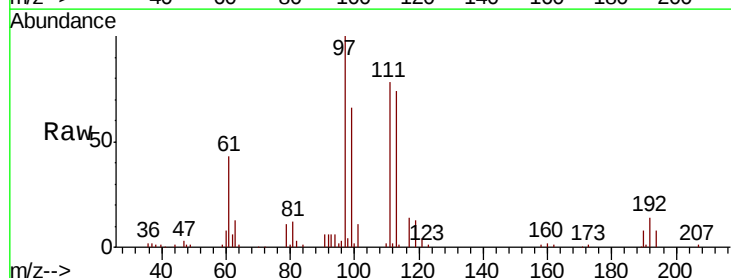


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

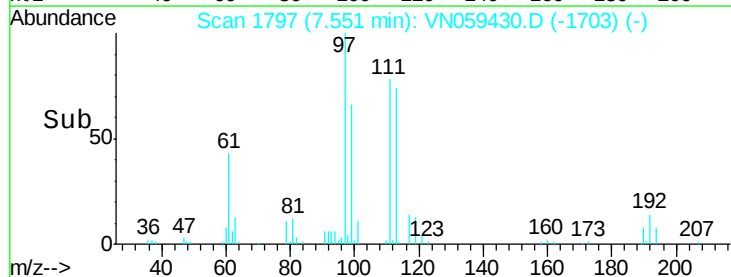
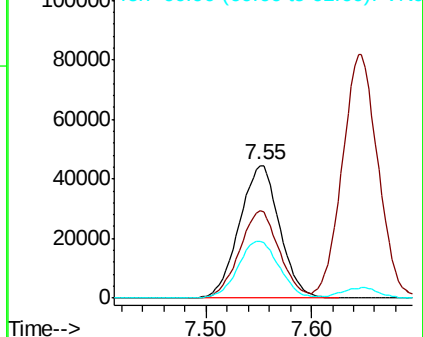


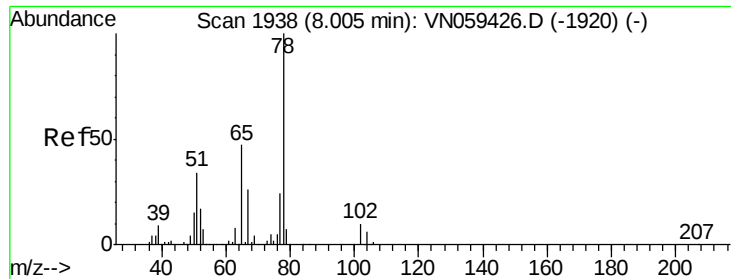
#32
1,1,1-Trichloroethane
Concen: 20.548 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 97 Resp: 117888
Ion Ratio Lower Upper
97 100
99 65.5 50.9 76.3
61 43.9 34.3 51.5



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: 49.632 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

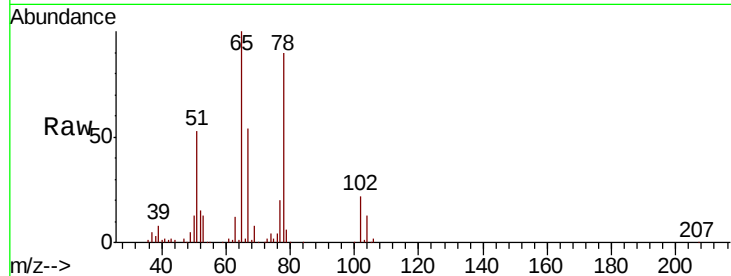
ClientSampled :

Tot Ion: 65 Resp: 205940

Ion Ratio Lower Upper

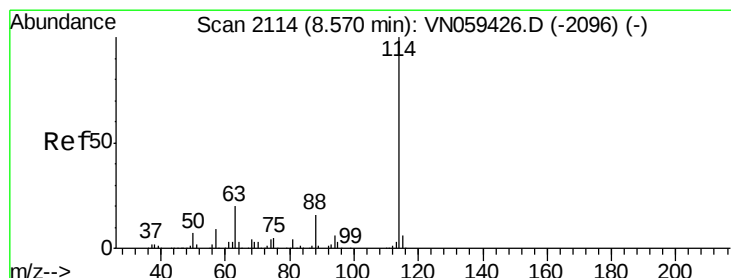
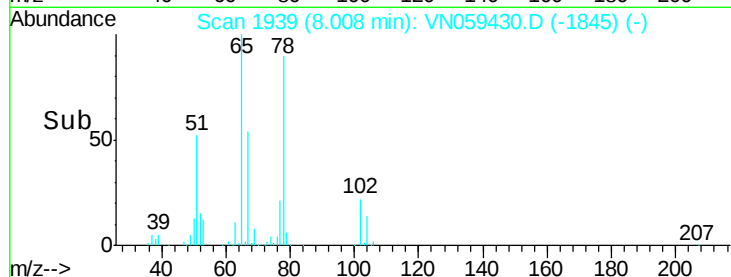
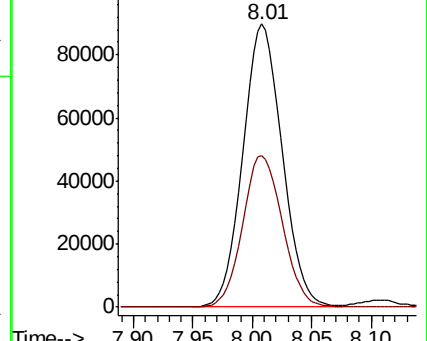
65 100

67 54.2 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN059426.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059426.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

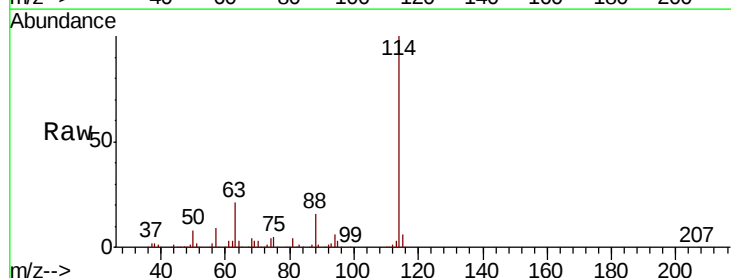
Tgt Ion: 114 Resp: 555683

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.4

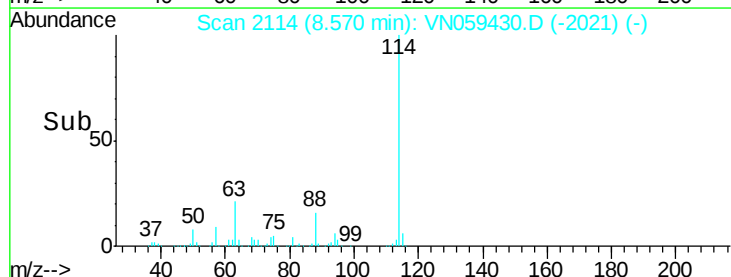
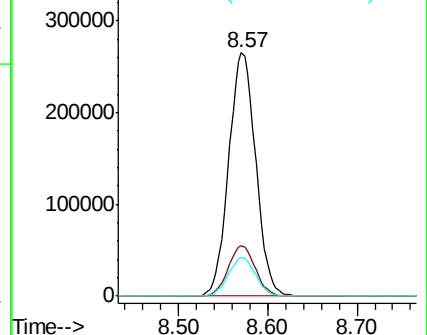
88 15.9 0.0 32.2

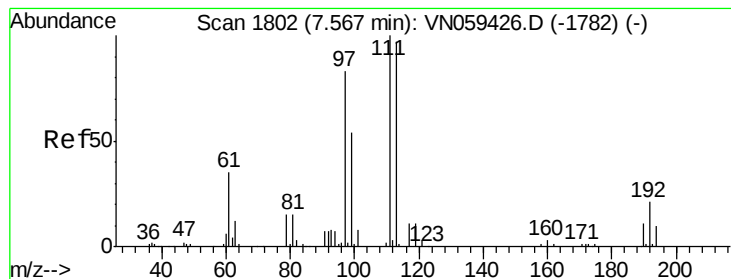


Abundance Ion 113.90 (113.60 to 114.60): VN059426.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN059426.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN059426.D (-2096) (-)





#35

Dibromofluoromethane

Concen: 49.178 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampled :

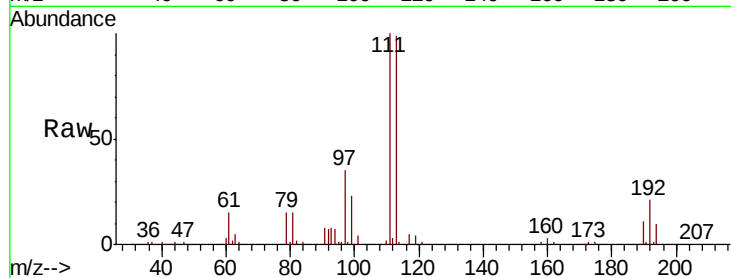
Tot Ion:113 Resp: 166456

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

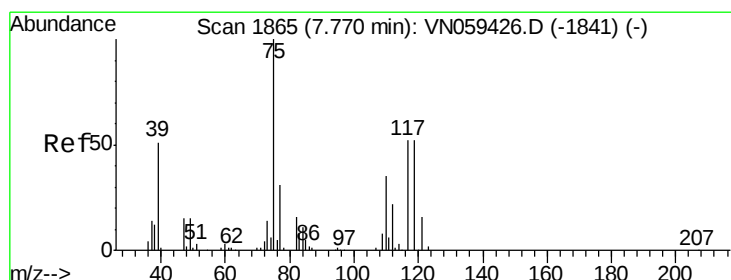
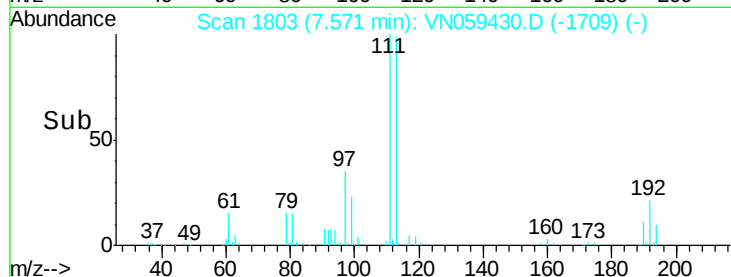
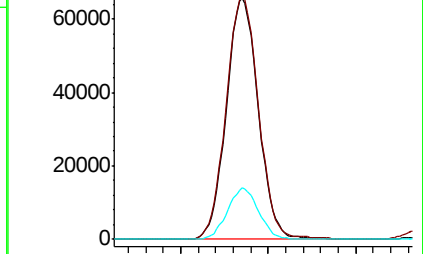
192 20.8 16.6 24.8



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: 20.360 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

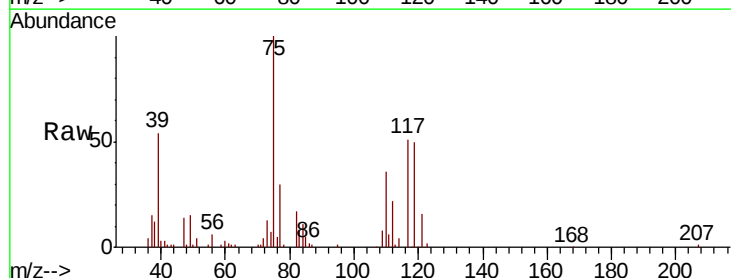
Tgt Ion: 75 Resp: 108800

Ion Ratio Lower Upper

75 100

110 34.8 17.3 52.0

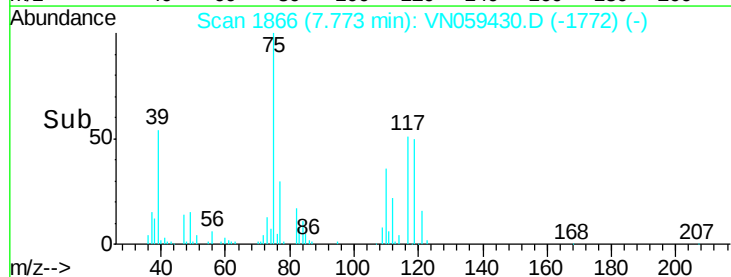
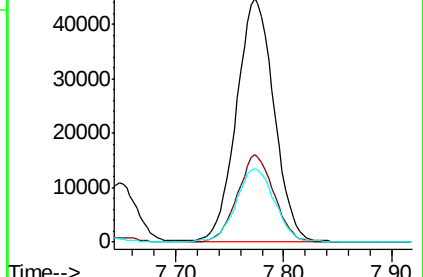
77 30.9 24.9 37.3

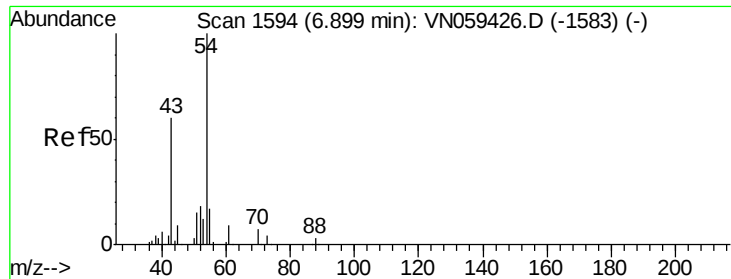


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

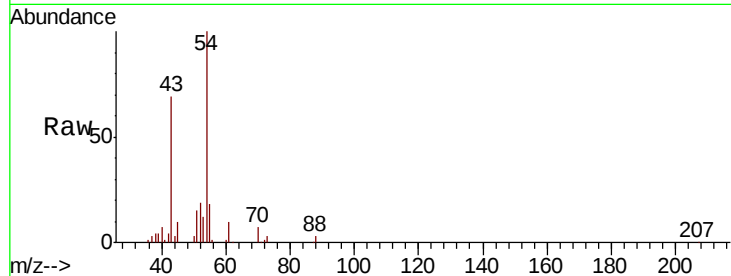




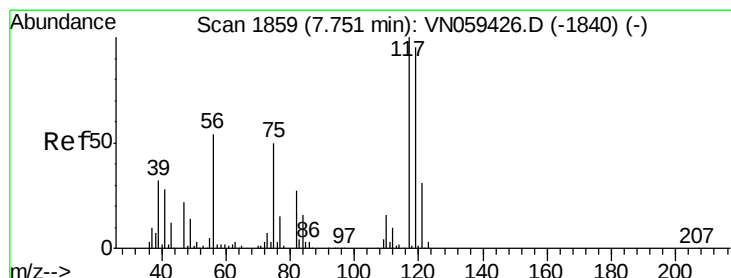
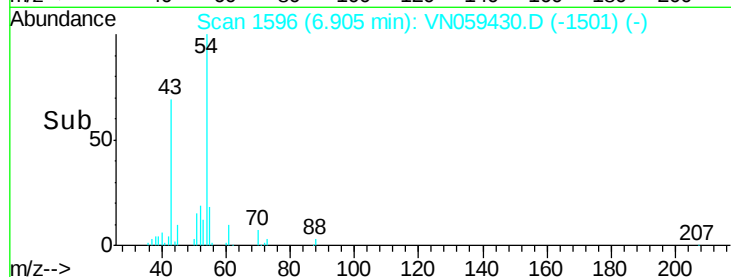
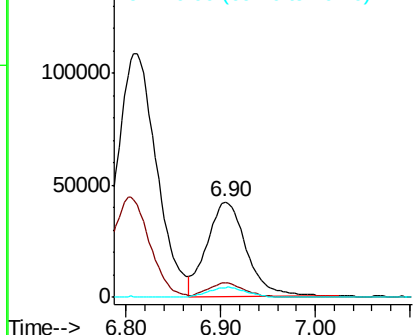
#37
Ethyl Acetate
Concen: 21.586 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 122039
Ion Ratio Lower Upper
43 100
61 14.4 12.2 18.2
70 10.3 8.8 13.2

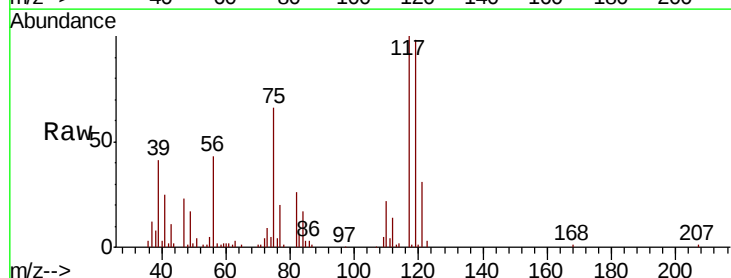


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

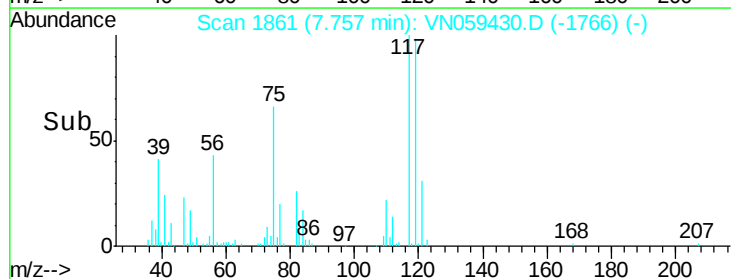
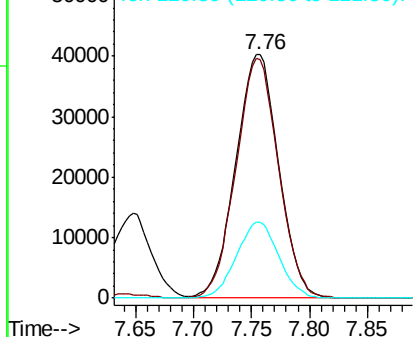


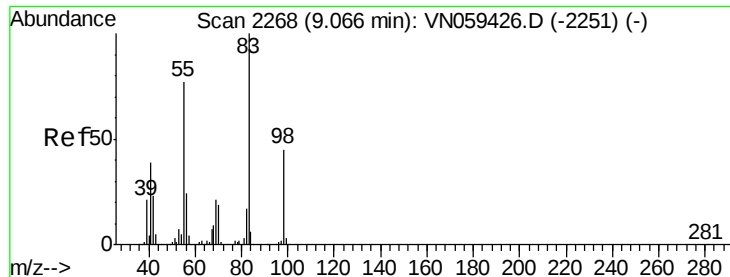
#38
Carbon Tetrachloride
Concen: 20.576 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 117 Resp: 103764
Ion Ratio Lower Upper
117 100
119 98.1 75.9 113.9
121 31.2 24.6 36.8



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

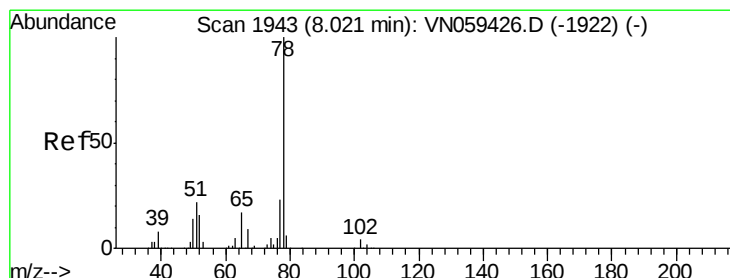
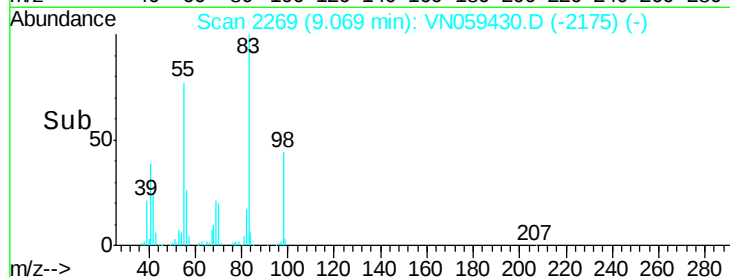
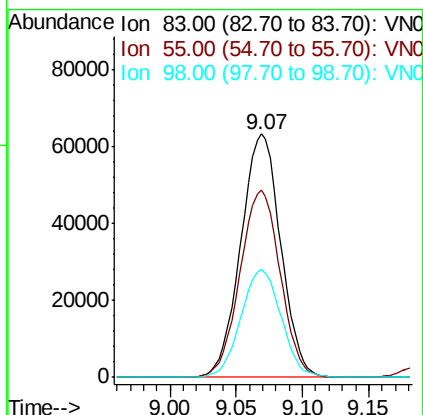
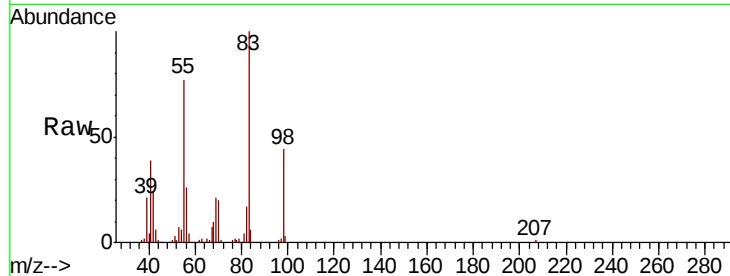




#39
Methvlcvclohexane
Concen: 20.750 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

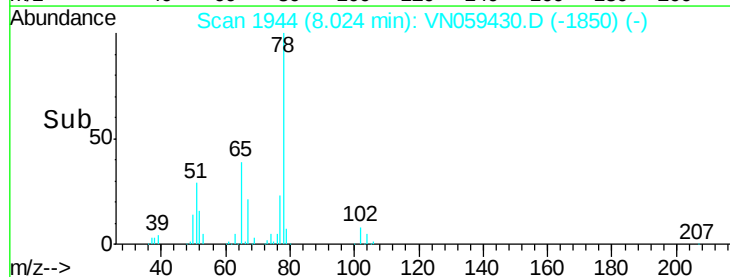
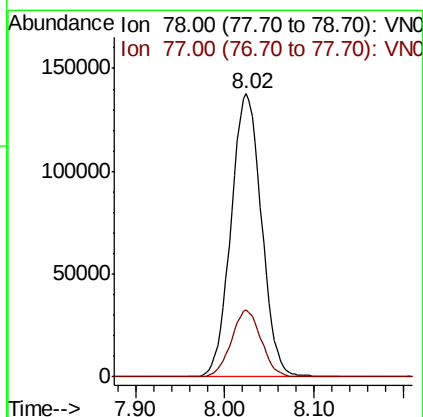
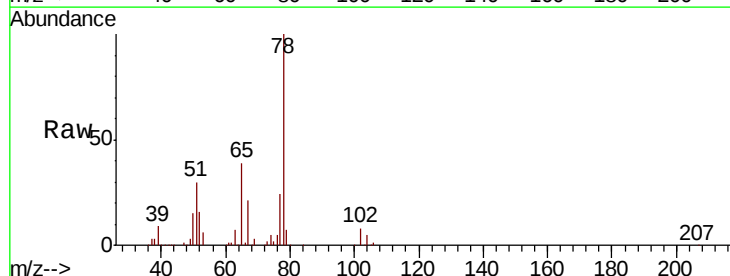
Instrument :
MSVOA_N
ClientSampled :

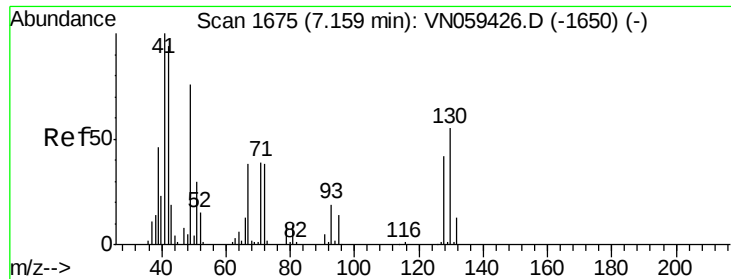
Tot Ion: 83 Resp: 132652
Ion Ratio Lower Upper
83 100
55 76.9 61.6 92.4
98 44.2 35.7 53.5



#40
Benzene
Concen: 20.572 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 78 Resp: 326406
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5

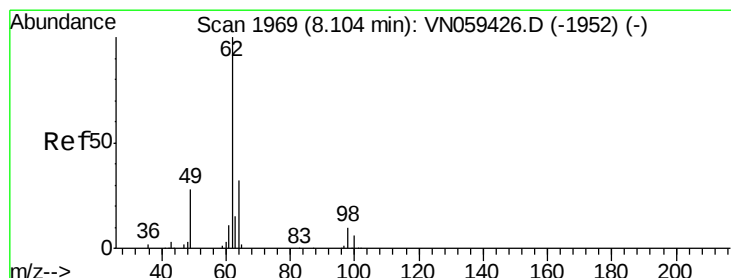
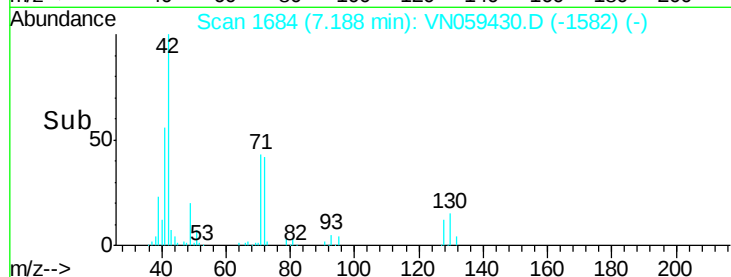
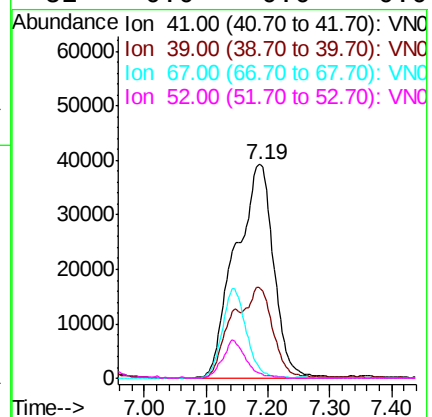
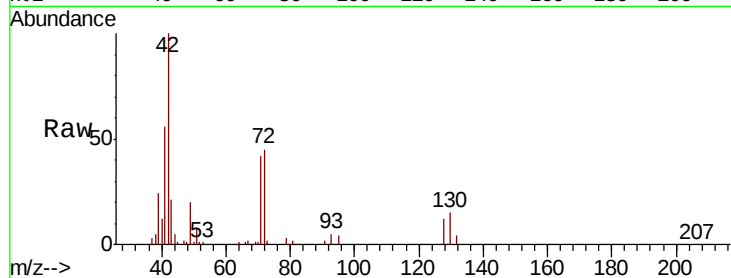




#41
Methacrylonitrile
Concen: 64.215 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

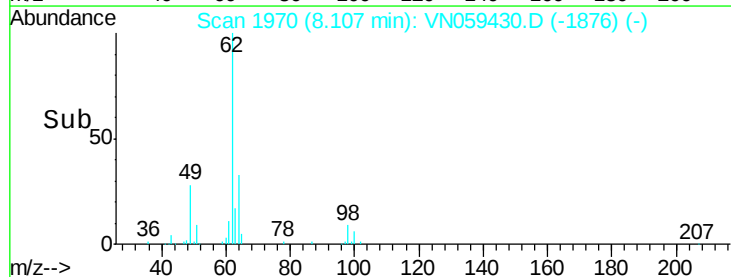
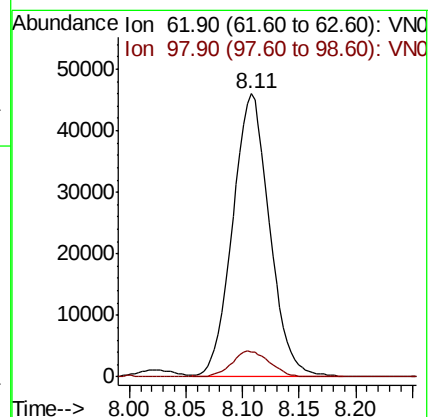
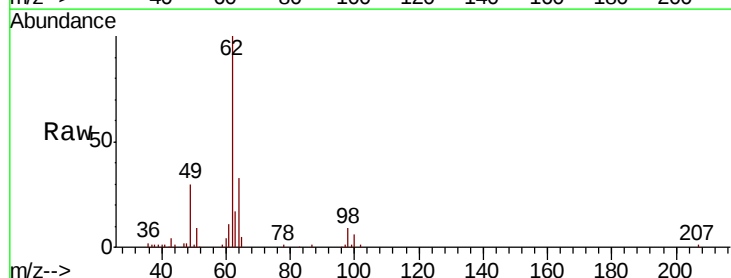
Instrument :
MSVOA_N
ClientSampleId :

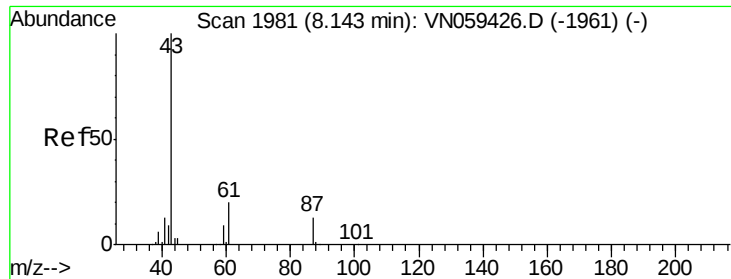
Tot Ion:	41	Resp:	169054
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.821 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion:	62	Resp:	104752
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0

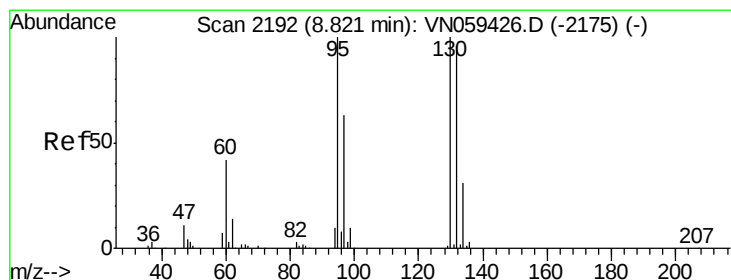
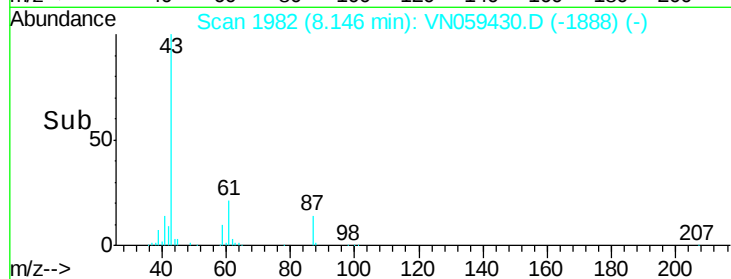
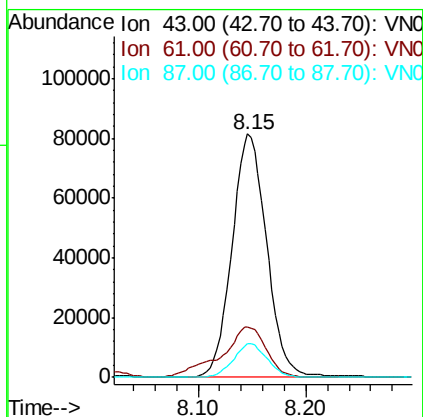
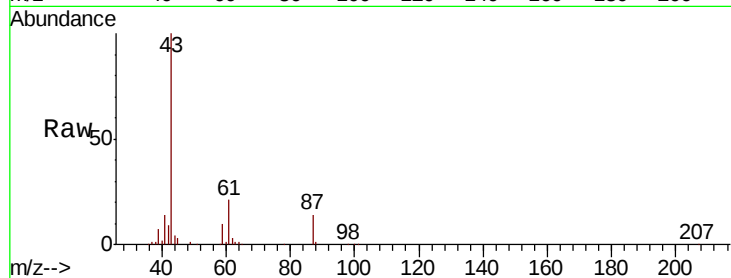




#43
Isopropyl Acetate
Concen: 21.066 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

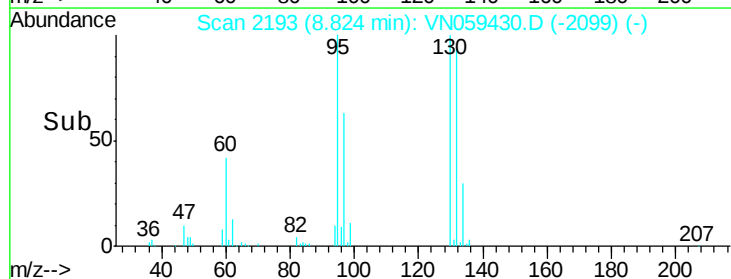
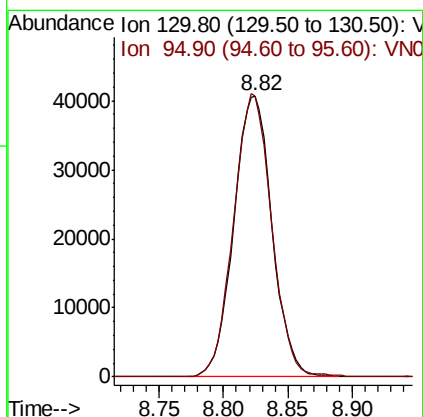
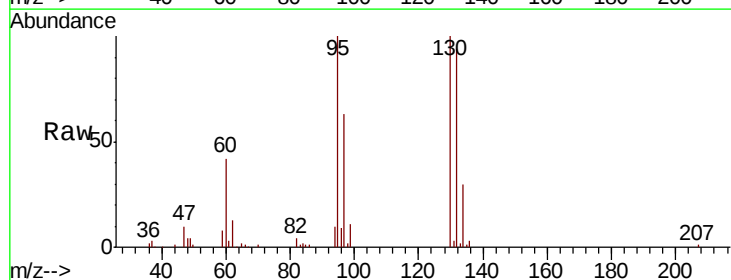
Instrument :
MSVOA_N
ClientSampled :

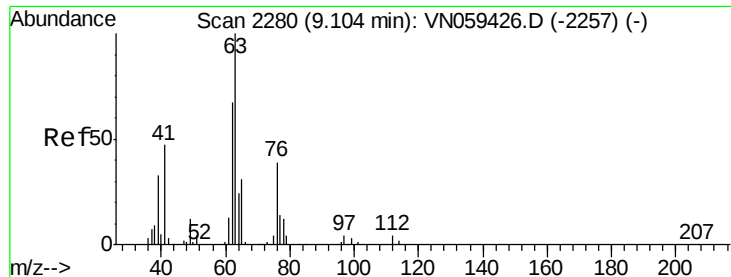
Tot Ion: 43 Resp: 180935
Ion Ratio Lower Upper
43 100
61 27.3 22.2 33.2
87 13.5 10.7 16.1



#44
Trichloroethene
Concen: 20.707 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion:130 Resp: 83774
Ion Ratio Lower Upper
130 100
95 100.0 0.0 199.6





#45

1,2-Dichloropropane

Concen: 20.525 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

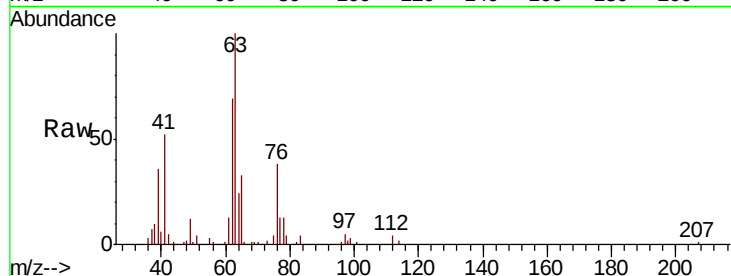
ClientSampled :

Tot Ion: 63 Resp: 85180

Ion Ratio Lower Upper

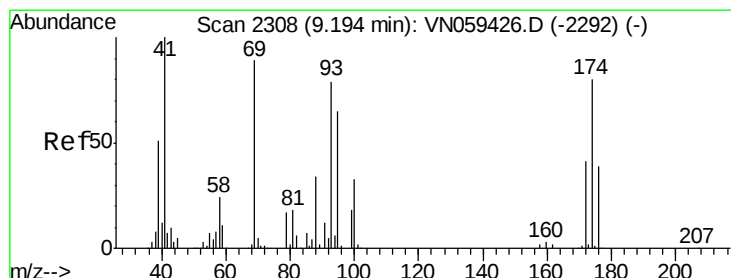
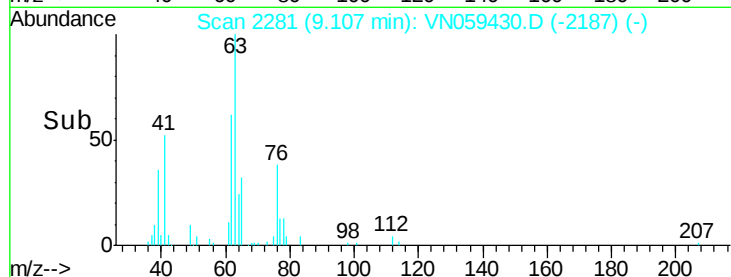
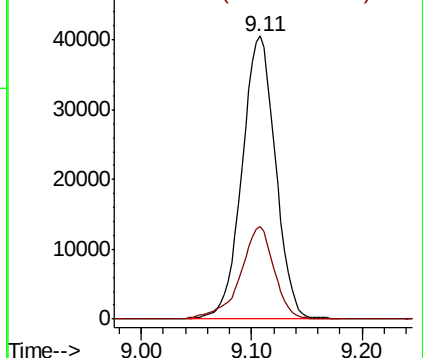
63 100

65 32.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.701 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

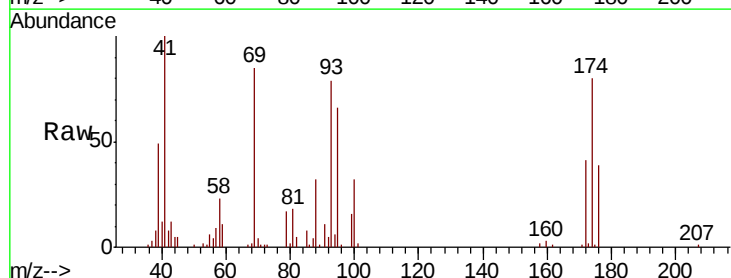
Tgt Ion: 93 Resp: 53017

Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

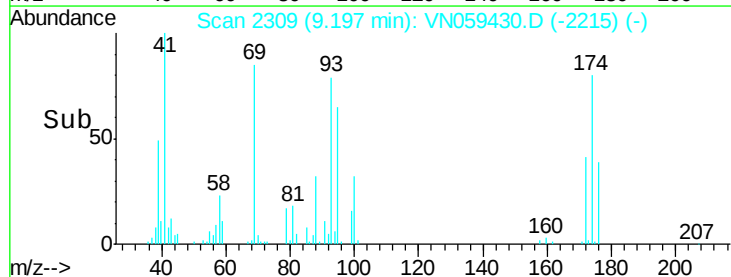
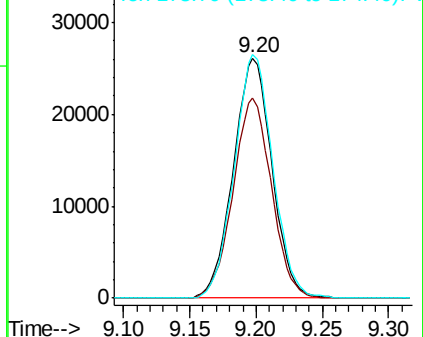
174 100.9 81.8 122.8

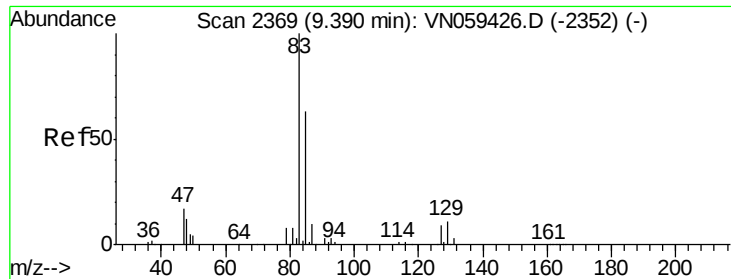


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.131 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampled :

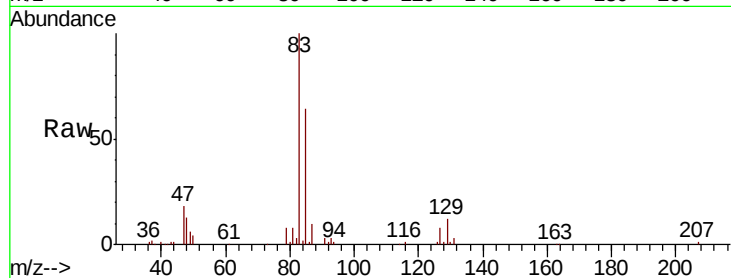
Tot Ion: 83 Resp: 104279

Ion Ratio Lower Upper

83 100

85 64.1 50.6 75.8

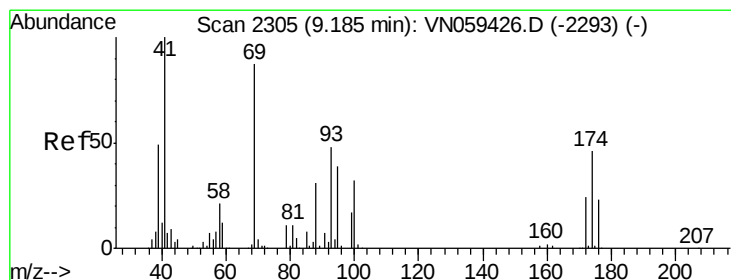
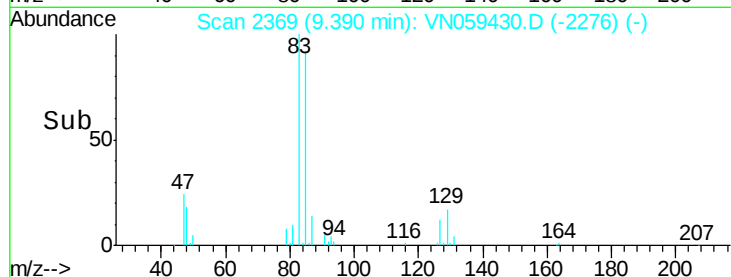
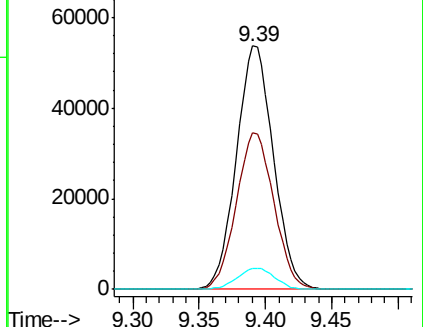
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN059430.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059430.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059430.D (-2276) (-)



#48

Methyl methacrylate

Concen: 20.737 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

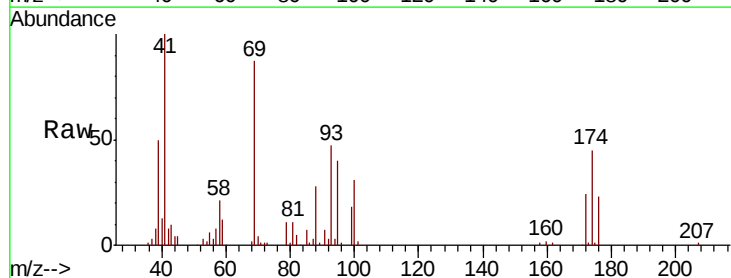
Tgt Ion: 41 Resp: 79019

Ion Ratio Lower Upper

41 100

69 89.5 71.6 107.4

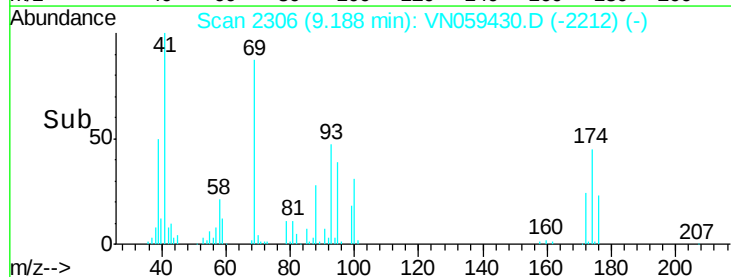
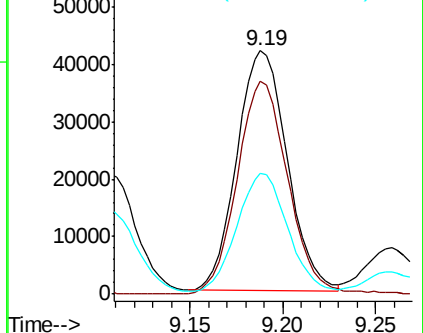
39 48.9 41.3 61.9

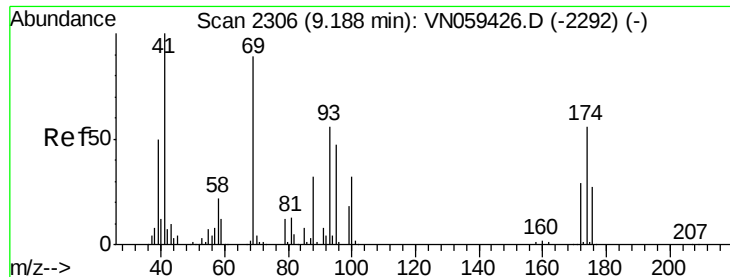


Abundance Ion 41.00 (40.70 to 41.70): VN059430.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059430.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059430.D (-2212) (-)

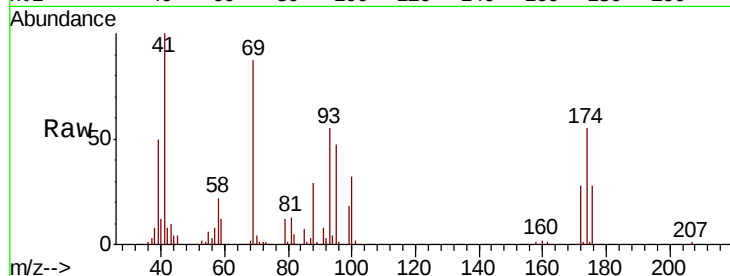




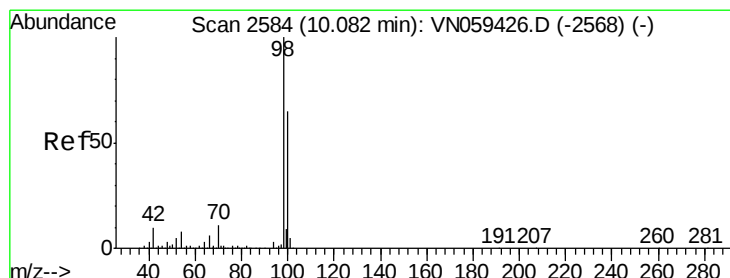
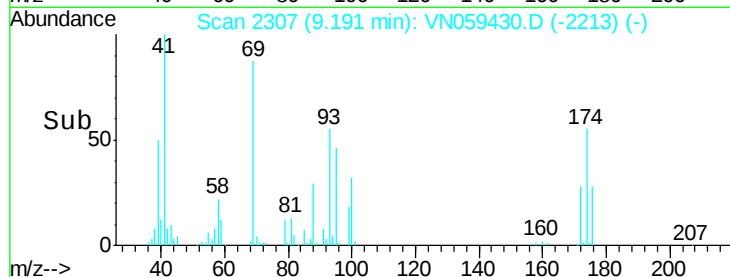
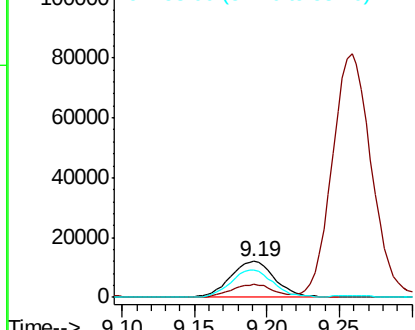
#49
1,4-Dioxane
Concen: 461.810 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 25701
Ion Ratio Lower Upper
88 100
43 34.5 23.7 35.5
58 72.1 56.3 84.5

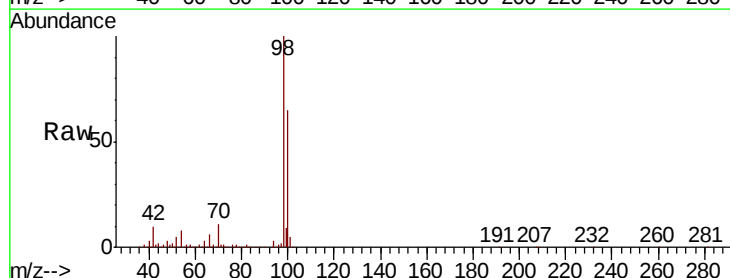


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

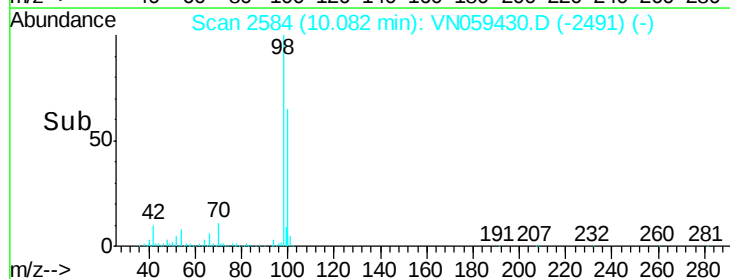
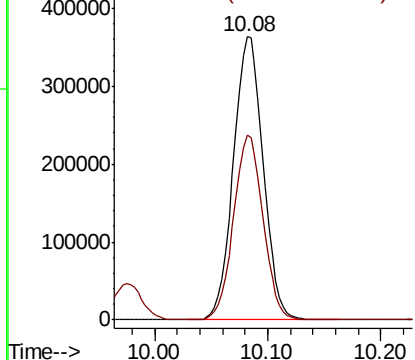


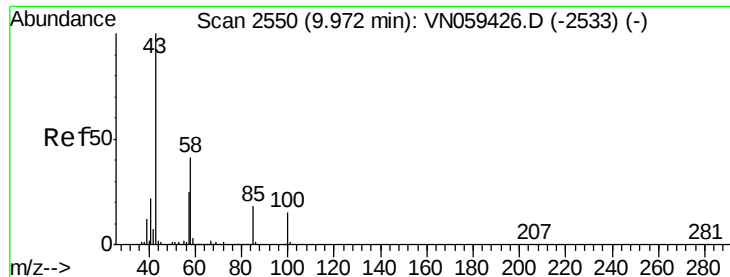
#50
Toluene-d8
Concen: 49.458 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 98 Resp: 667025
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 113.411 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

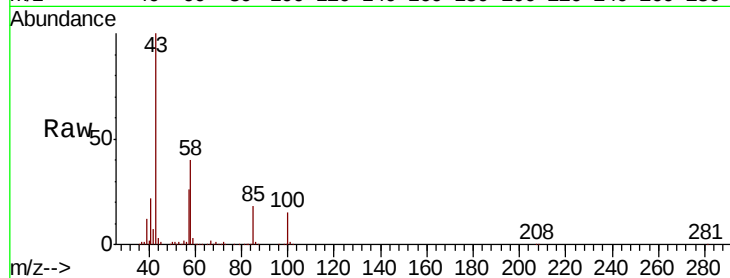
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 565001

Ion Ratio Lower Upper

43 100

58 40.3 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059426.D (-2533) (-)

9.98

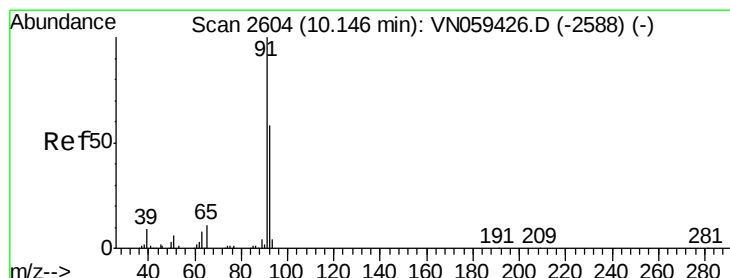
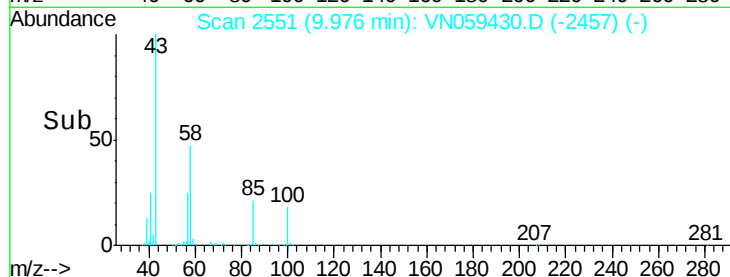
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.685 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059430.D

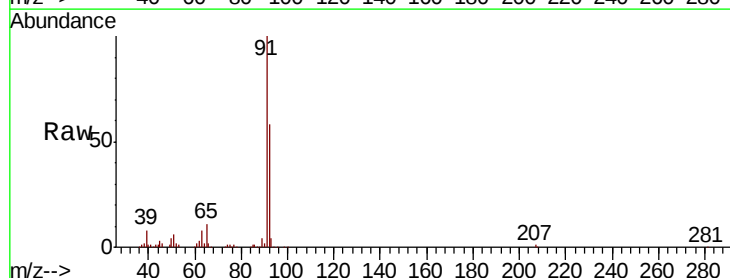
Acq: 27 Nov 2019 18:48

Tgt Ion: 92 Resp: 196068

Ion Ratio Lower Upper

92 100

91 173.3 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN059426.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059426.D (-2588) (-)

10.15

200000

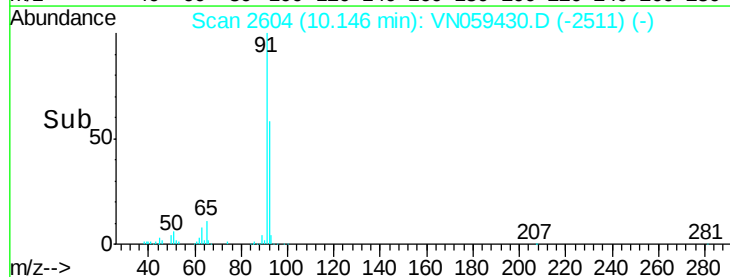
150000

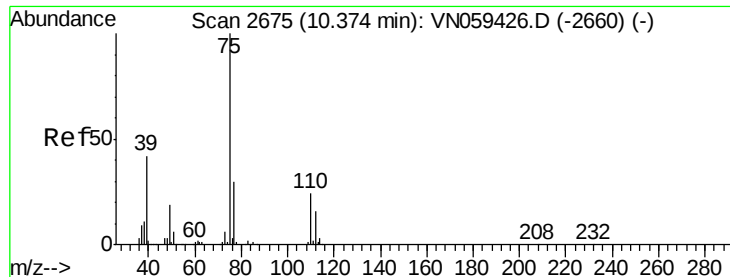
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.475 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

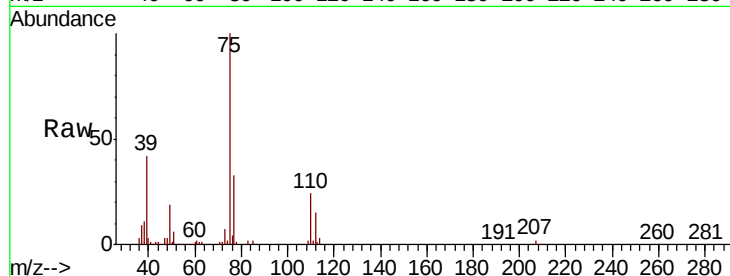
ClientSampled :

Tot Ion: 75 Resp: 121868

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

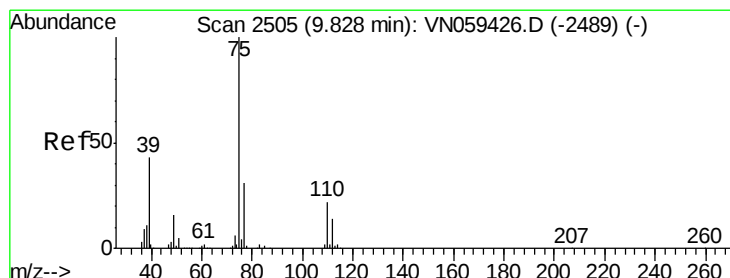
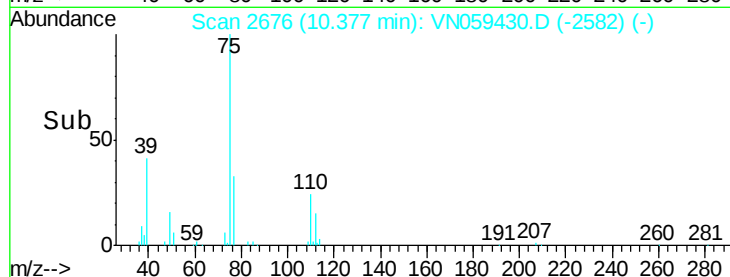
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.691 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

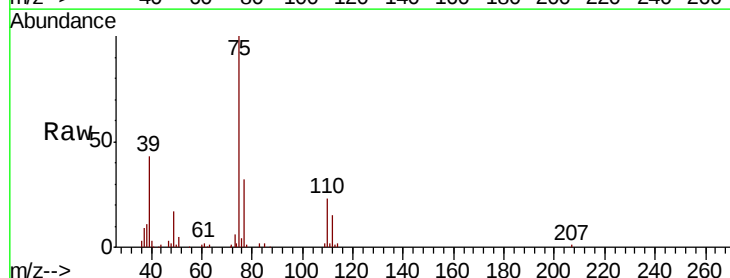
Tgt Ion: 75 Resp: 132945

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 43.2 34.0 51.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

80000

60000

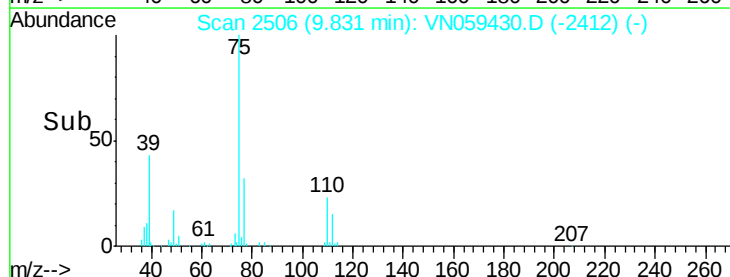
40000

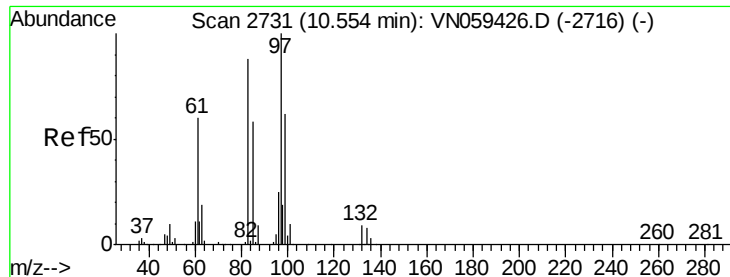
20000

0

9.75 9.80 9.85 9.90

Time-->

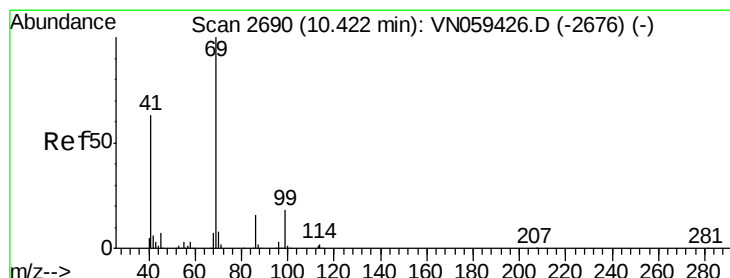
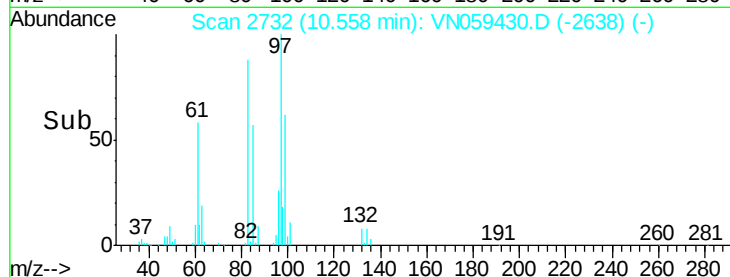
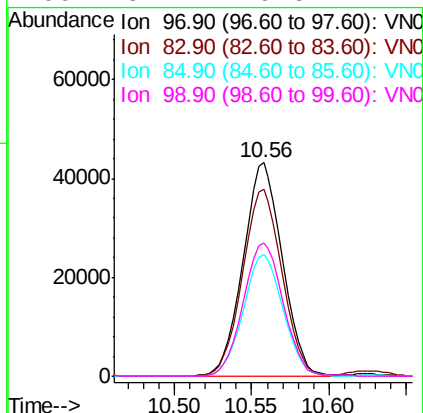
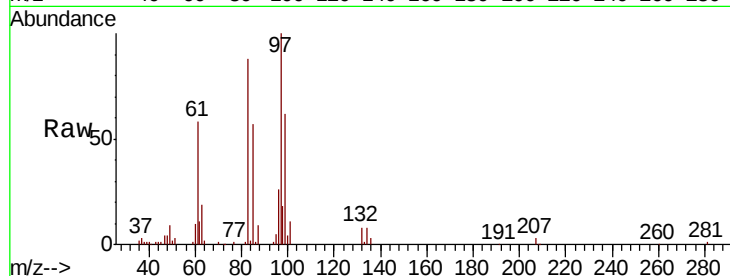




#55
 1,1,2-Trichloroethane
 Concen: 20.537 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

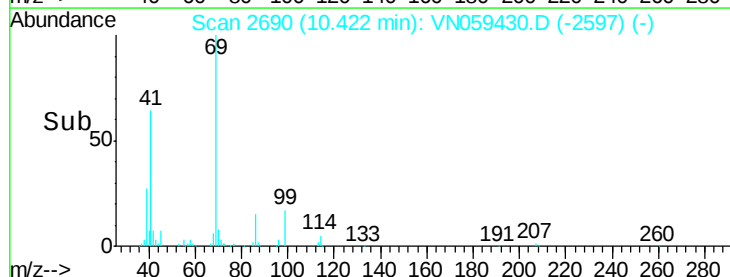
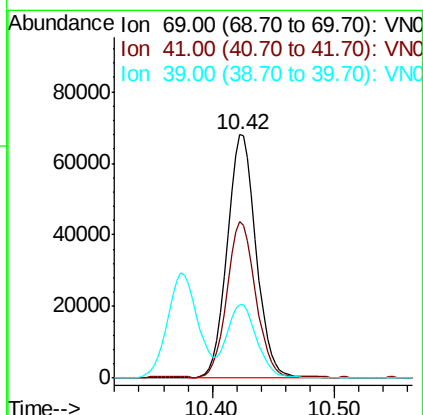
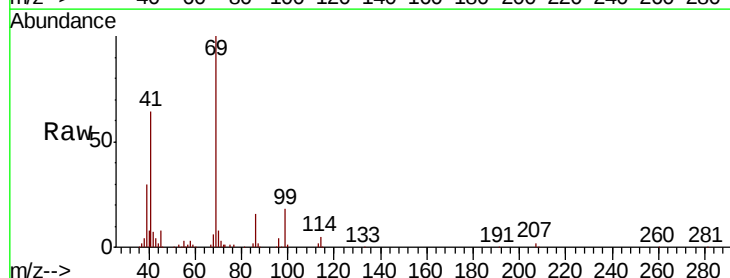
Instrument :
 MSVOA_N
 ClientSampleId :

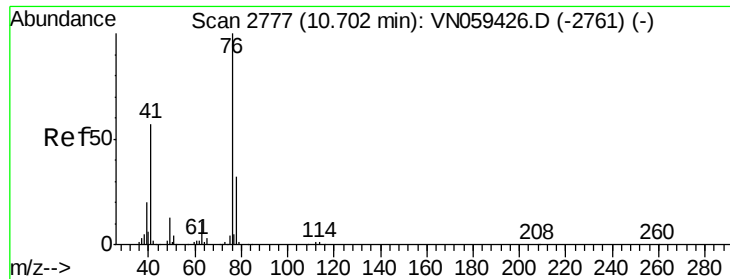
Tot Ion:	97	Resp:	76197
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.7	106.1
85	57.0	46.4	69.6
99	62.4	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 22.405 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

Tgt Ion:	69	Resp:	112913
Ion	Ratio	Lower	Upper
69	100		
41	63.1	50.1	75.1
39	31.6	23.9	35.9





#57

1,3-Dichloropropane

Concen: 20.271 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

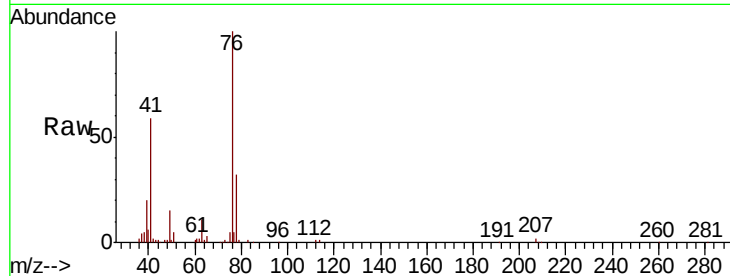
ClientSampled :

Tot Ion: 76 Resp: 129985

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

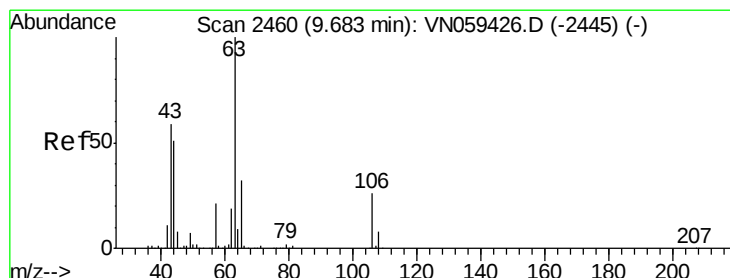
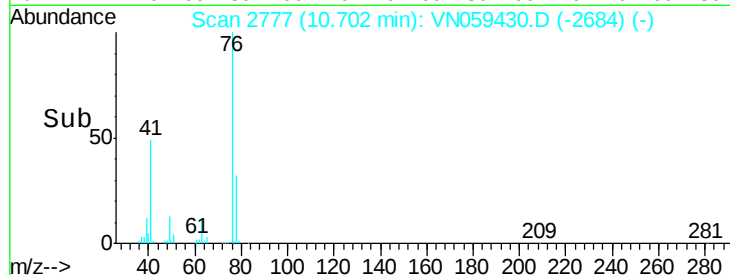
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 129.051 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059430.D

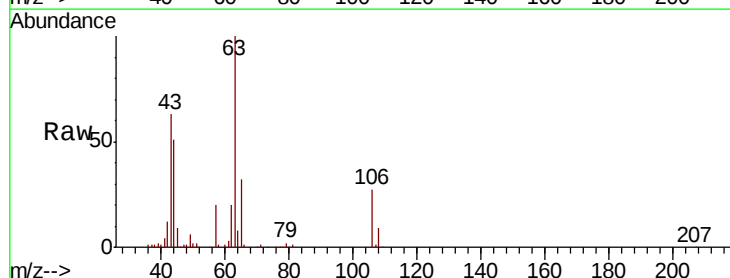
Acq: 27 Nov 2019 18:48

Tgt Ion: 63 Resp: 205150

Ion Ratio Lower Upper

63 100

106 26.5 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

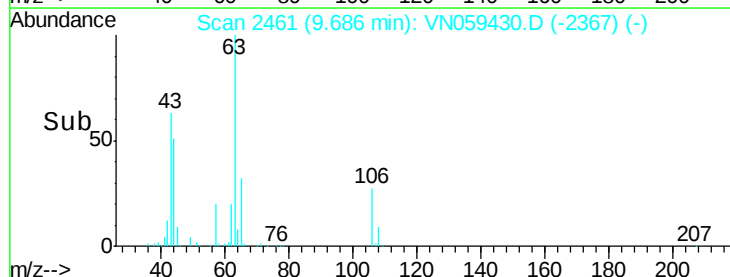
9.69

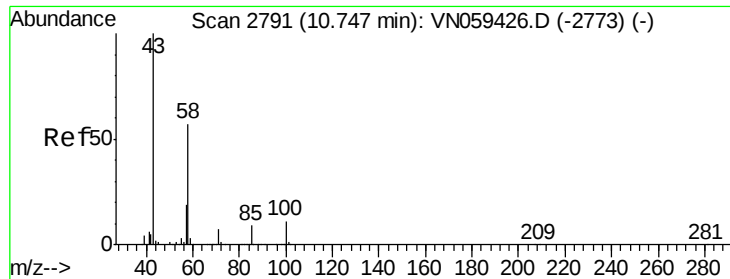
100000

50000

0

Time-->

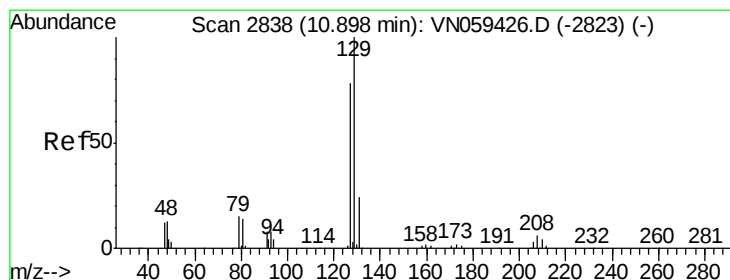
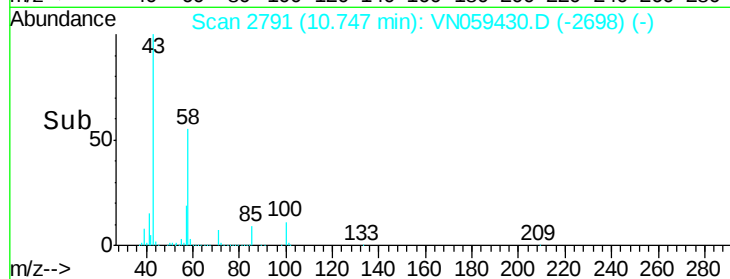
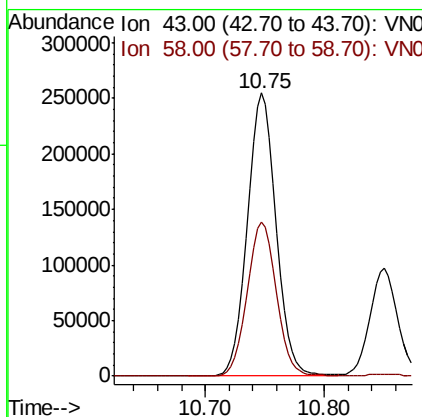
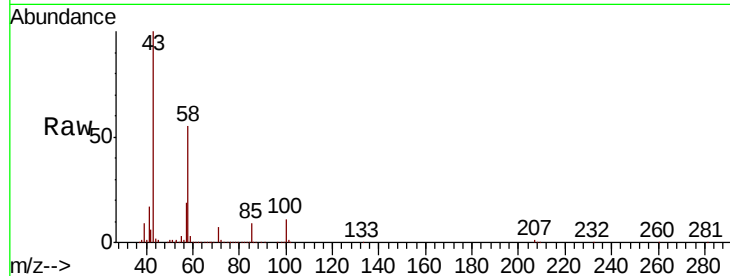




#59
2-Hexanone
Concen: 114.778 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

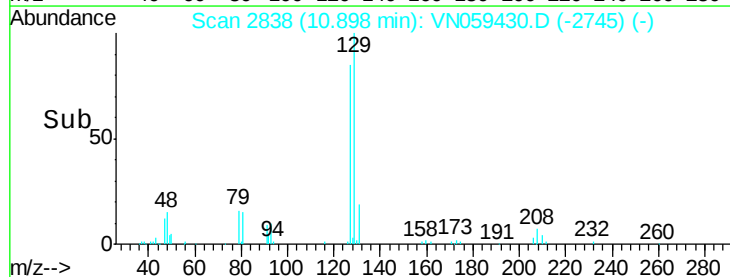
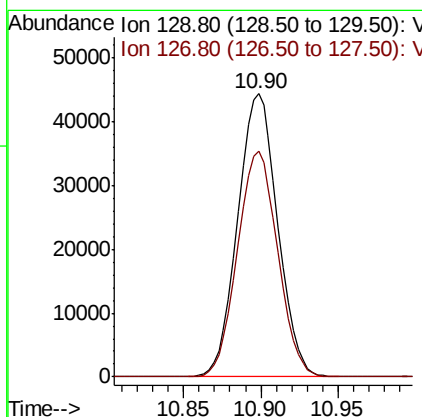
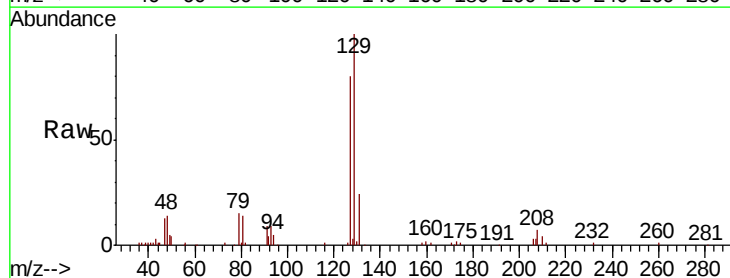
Instrument :
MSVOA_N
ClientSampled :

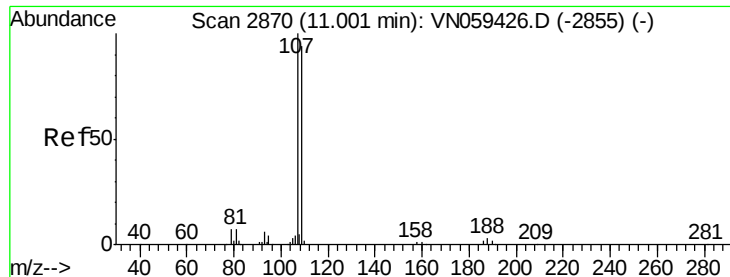
Tot Ion: 43 Resp: 424011
Ion Ratio Lower Upper
43 100
58 55.6 28.3 85.0



#60
Dibromochloromethane
Concen: 20.595 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion: 129 Resp: 79762
Ion Ratio Lower Upper
129 100
127 80.2 38.6 116.0

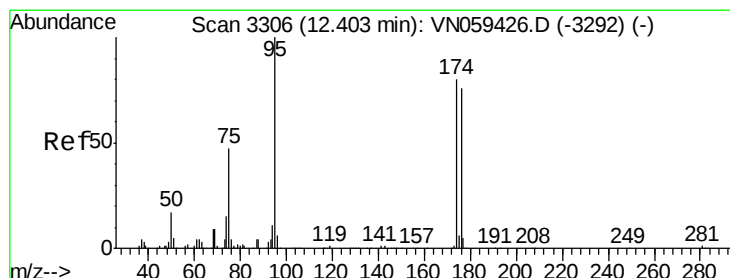
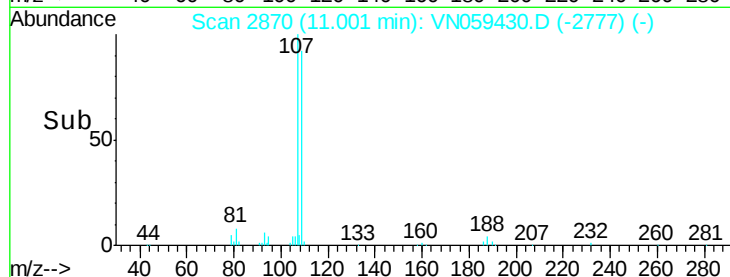
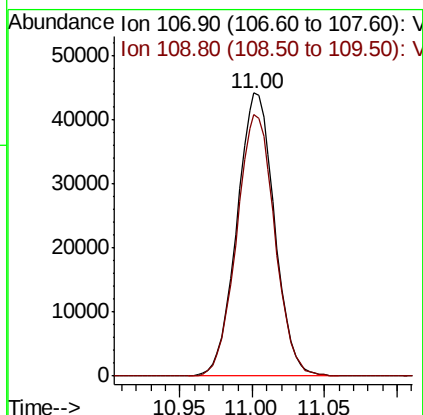
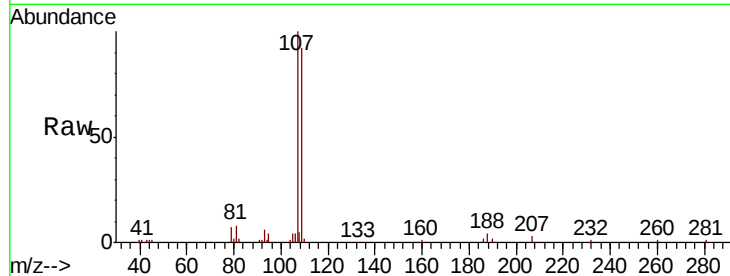




#61
 1,2-Dibromoethane
 Concen: 20.871 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

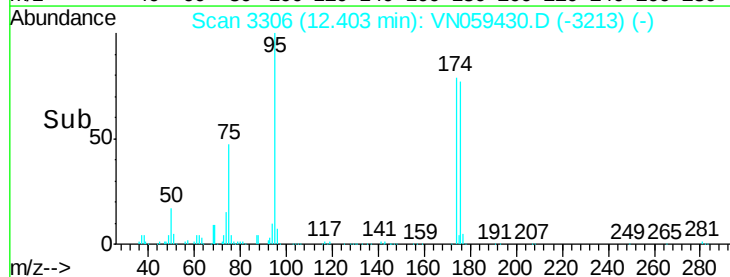
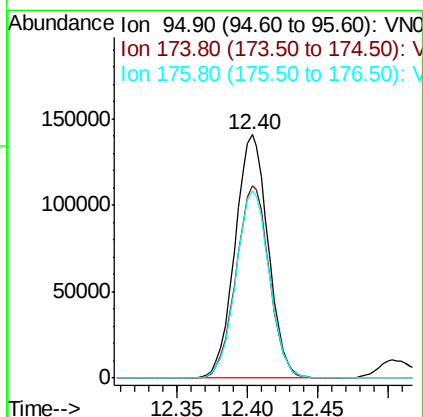
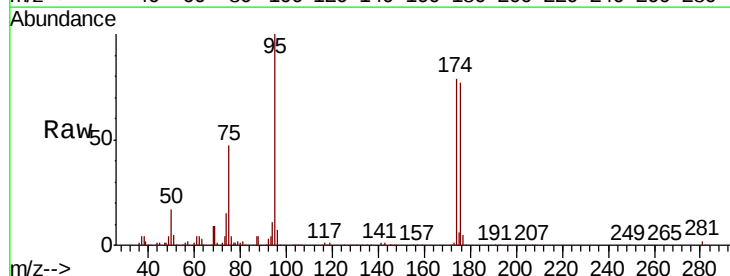
Instrument :
 MSVOA_N
 ClientSampleId :

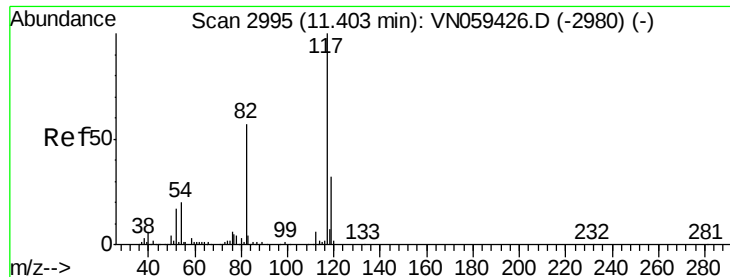
Tot Ion:107 Resp: 79348
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.284 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

Tgt Ion: 95 Resp: 231429
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 158.0
 176 77.5 0.0 153.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

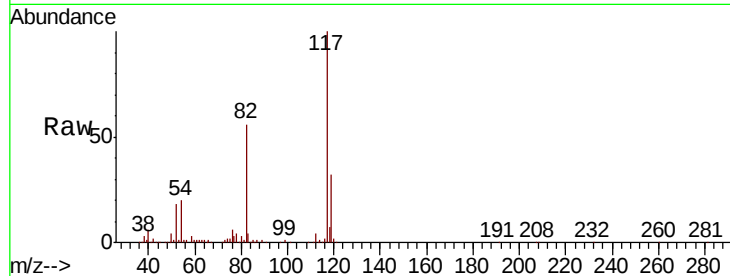
Tot Ion:117 Resp: 497171

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

119 32.2 25.6 38.4

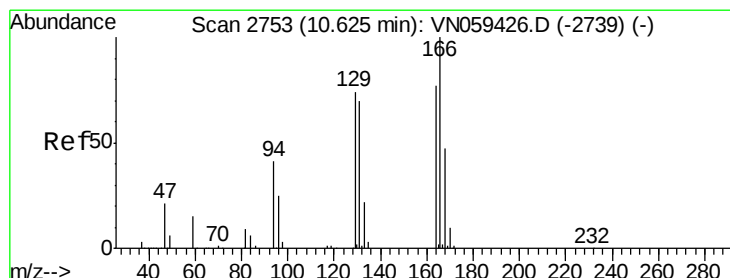
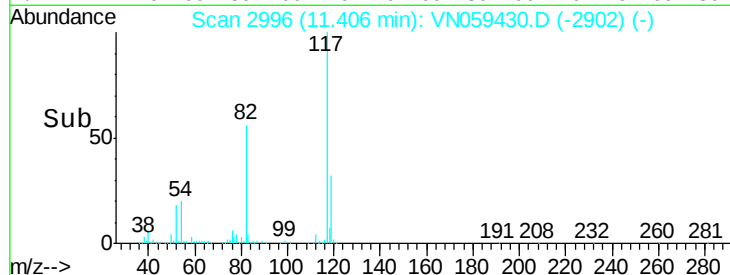
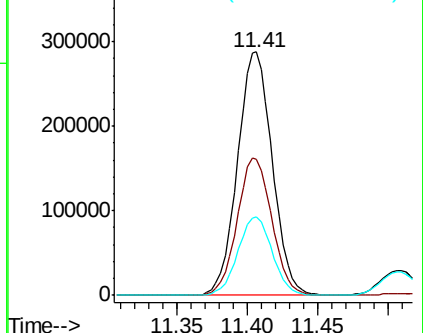


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.808 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Tgt Ion:164 Resp: 76519

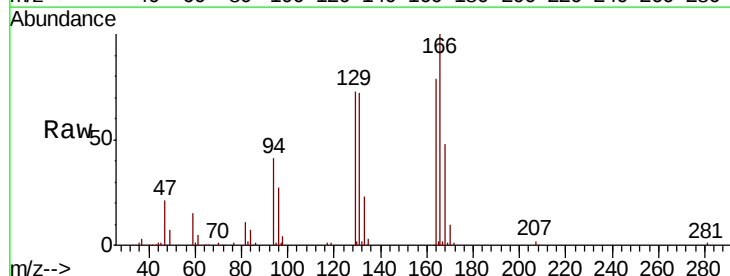
Ion Ratio Lower Upper

164 100

166 126.1 104.2 156.4

129 92.0 76.8 115.2

131 90.8 73.0 109.6



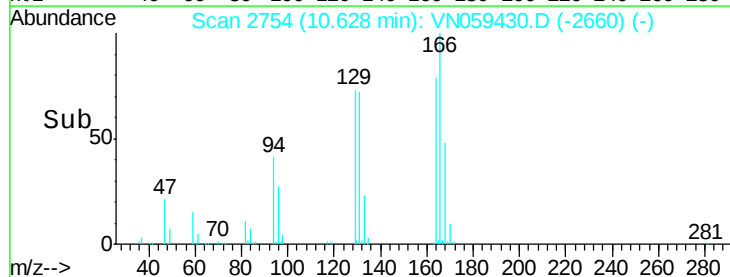
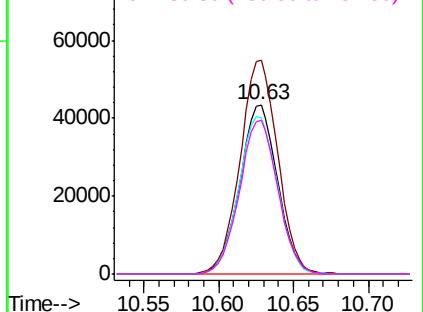
Abundance

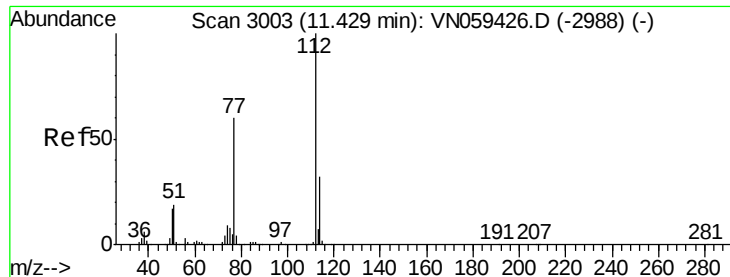
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.319 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

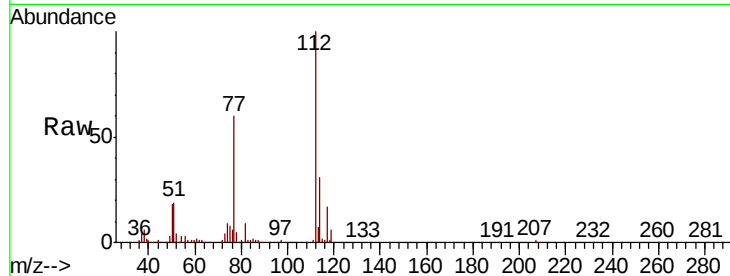
ClientSampleId :

Tot Ion:112 Resp: 204512

Ion Ratio Lower Upper

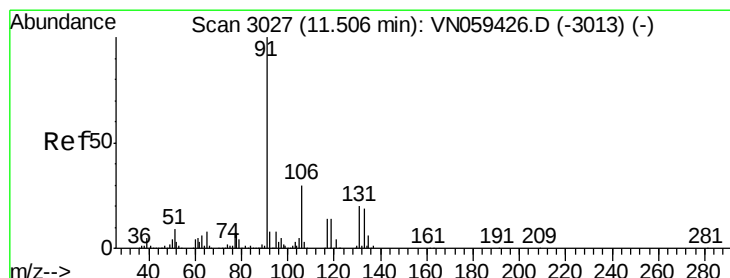
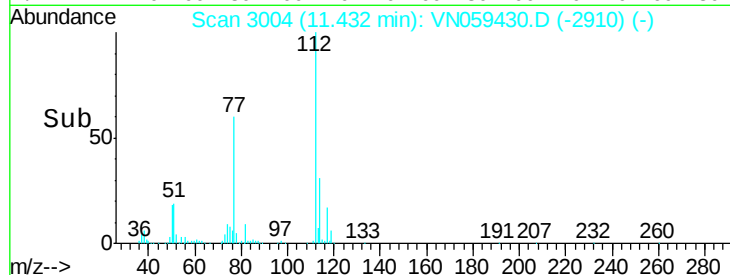
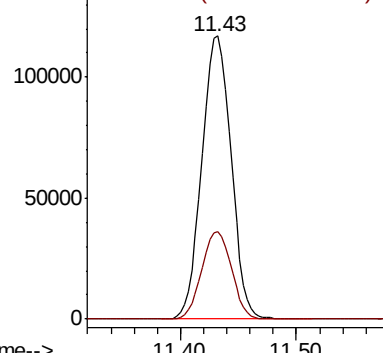
112 100

114 31.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.381 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

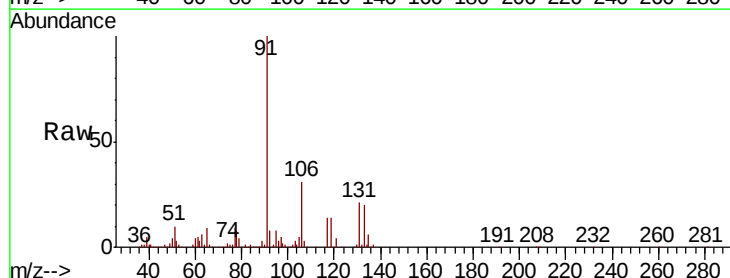
Tgt Ion:131 Resp: 74391

Ion Ratio Lower Upper

131 100

133 98.0 48.2 144.6

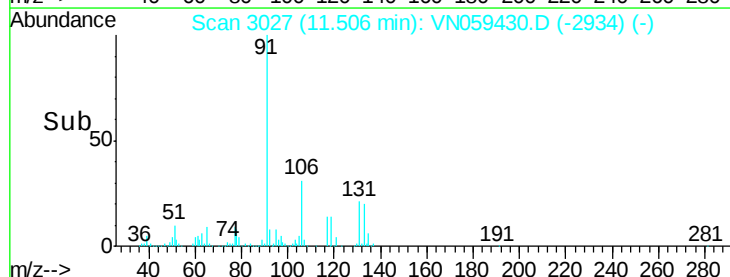
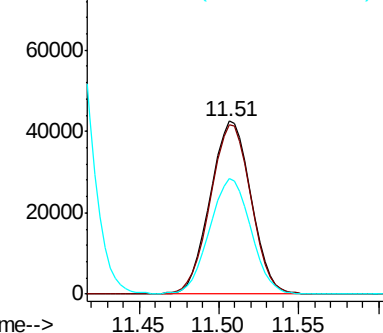
119 67.4 33.8 101.3

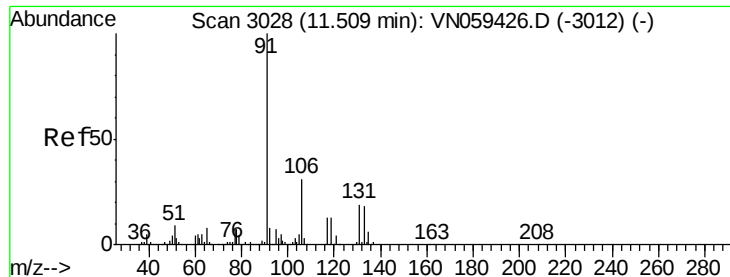


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.720 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

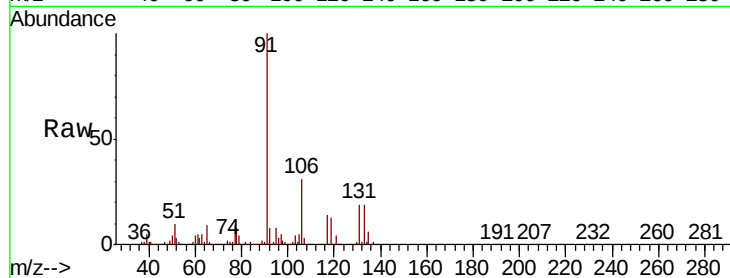
ClientSampled :

Tot Ion: 91 Resp: 366304

Ion Ratio Lower Upper

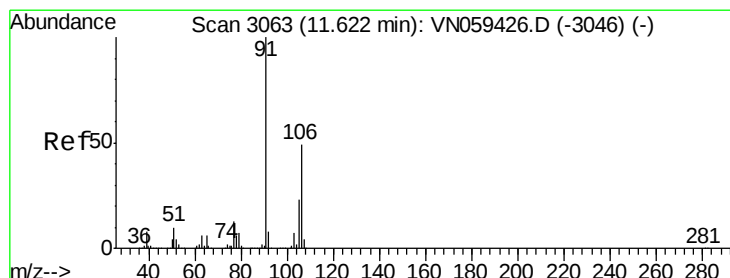
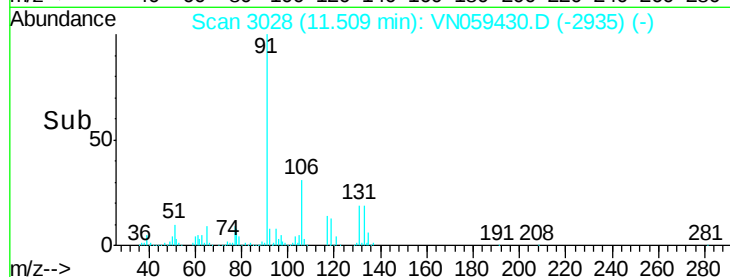
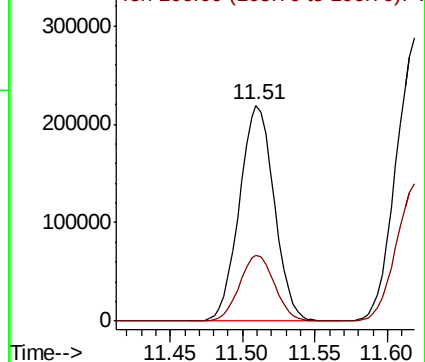
91 100

106 30.8 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.490 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059430.D

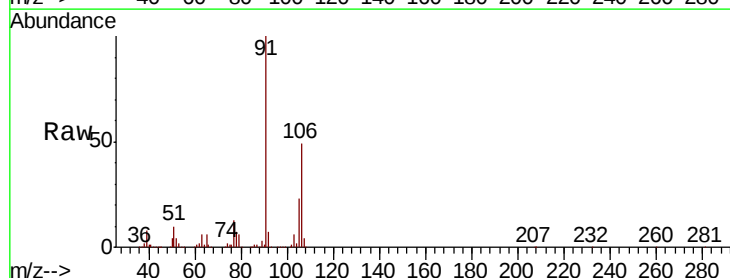
Acq: 27 Nov 2019 18:48

Tgt Ion: 106 Resp: 273856

Ion Ratio Lower Upper

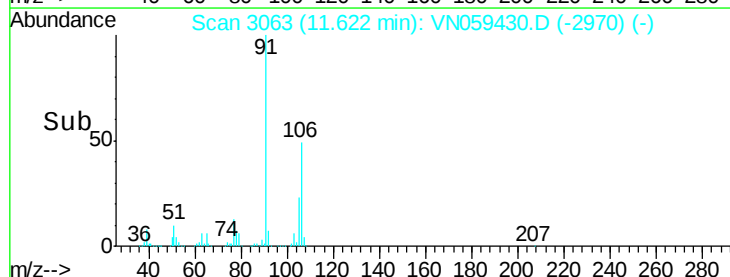
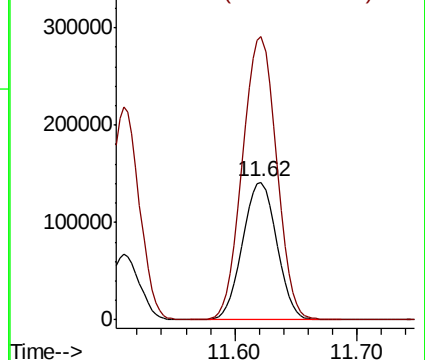
106 100

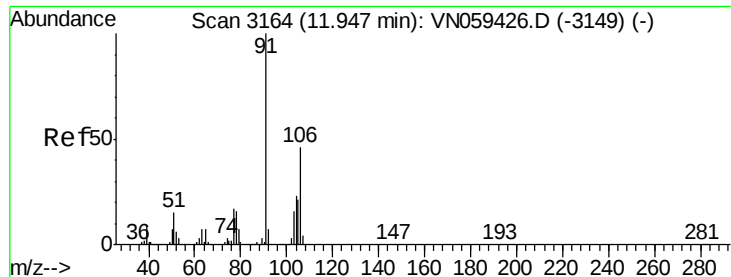
91 204.6 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

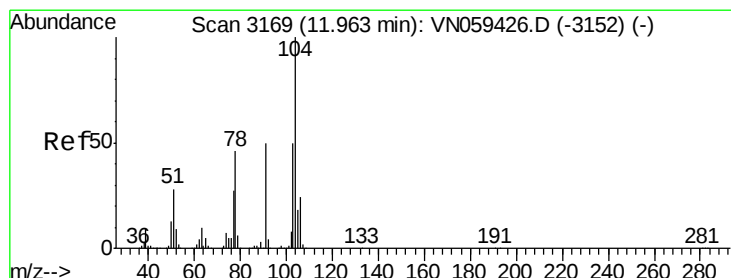
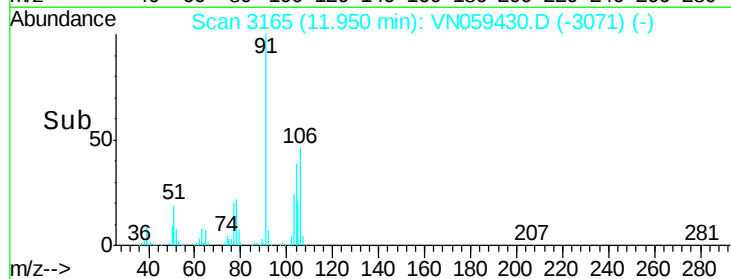
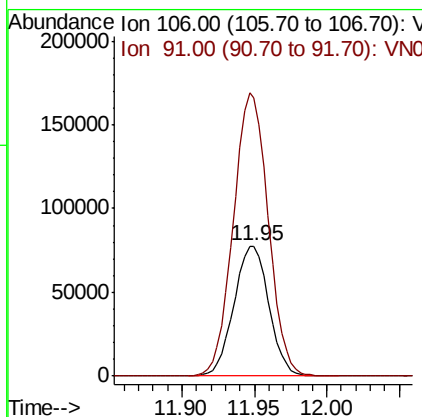
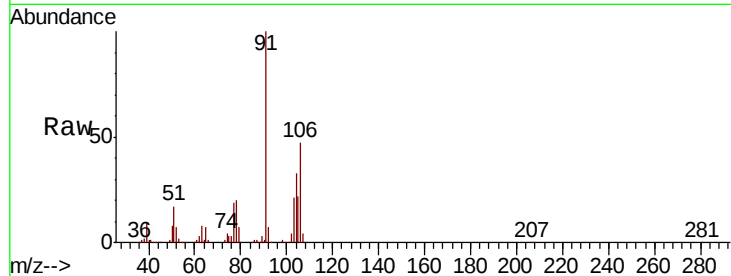




#69
o-Xylene
Concen: 20.542 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

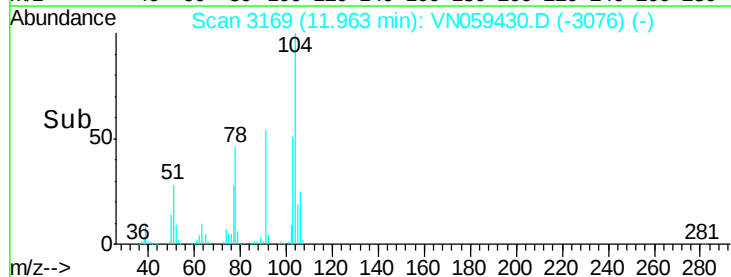
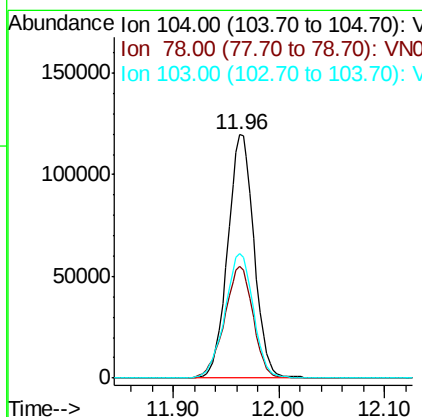
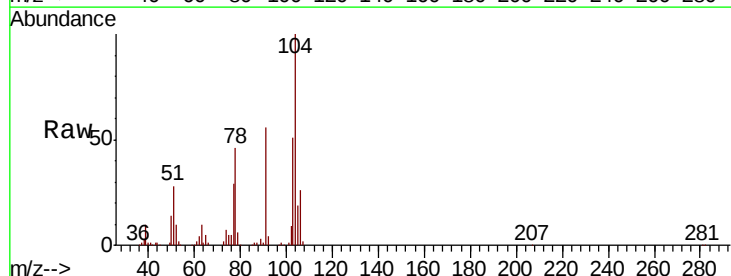
Instrument :
MSVOA_N
ClientSampleId :

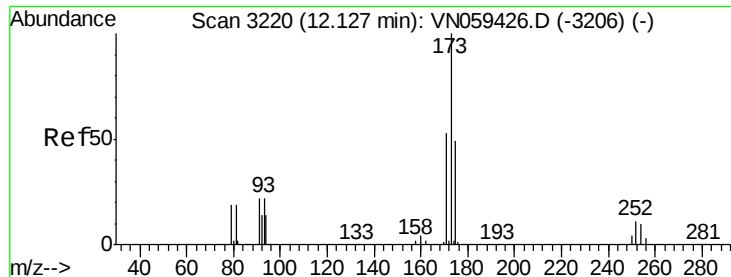
Tot Ion:106 Resp: 130036
Ion Ratio Lower Upper
106 100
91 217.5 107.5 322.4



#70
Styrene
Concen: 22.053 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion:104 Resp: 206304
Ion Ratio Lower Upper
104 100
78 50.0 40.4 60.6
103 55.3 43.8 65.6





#71

Bromoform

Concen: 20.513 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

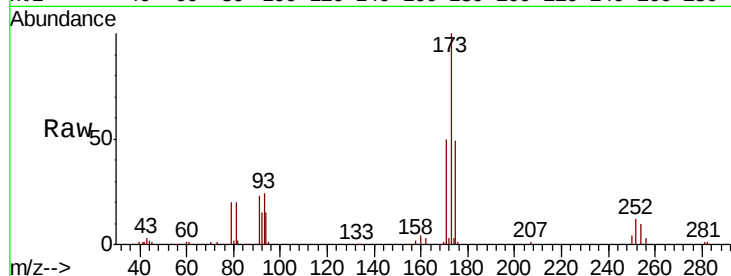
Tot Ion:173 Resp: 57011

Ion Ratio Lower Upper

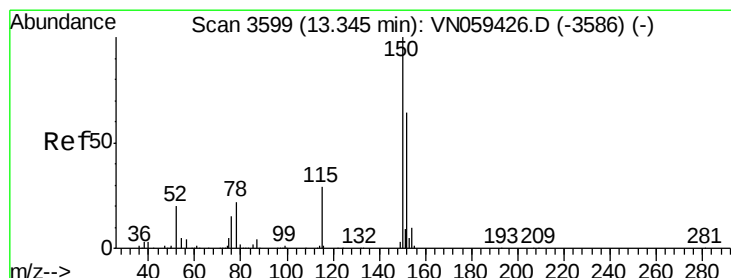
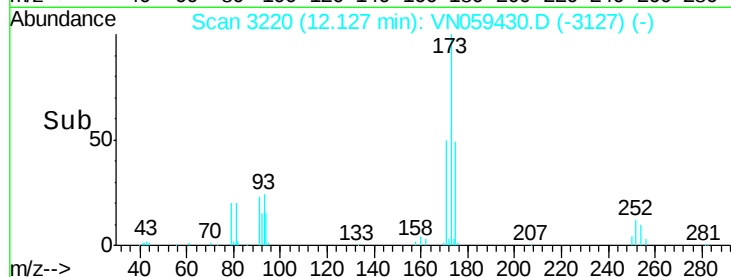
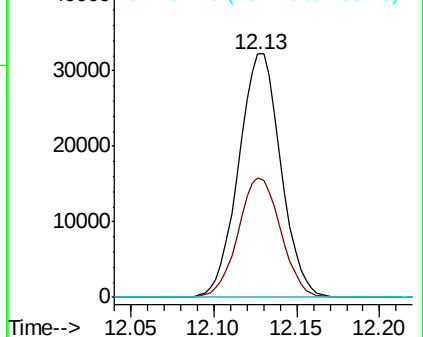
173 100

175 49.6 24.1 72.3

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

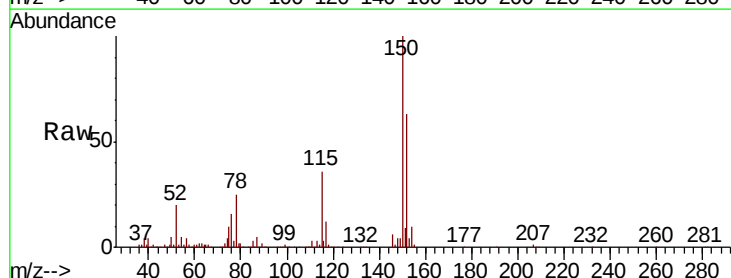
Tgt Ion:152 Resp: 225935

Ion Ratio Lower Upper

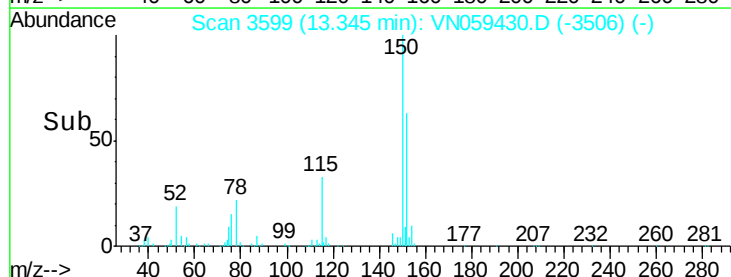
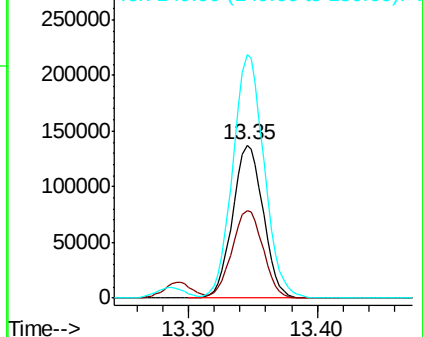
152 100

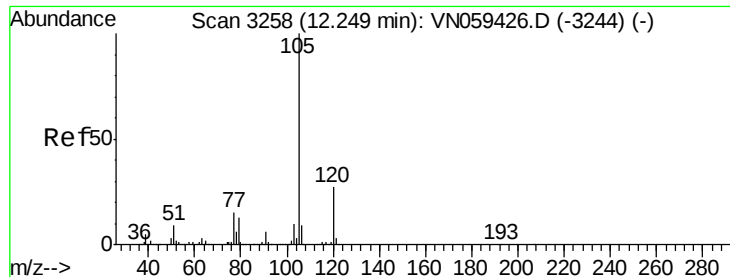
115 58.2 29.5 88.6

150 163.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 21.004 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

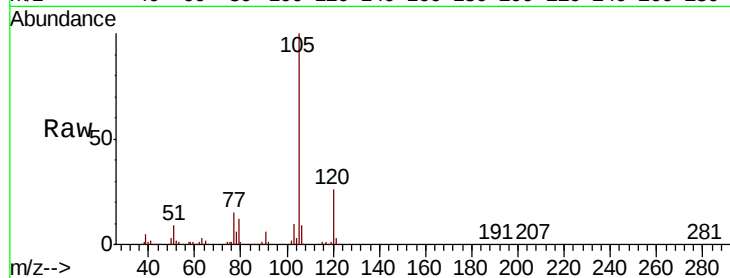
ClientSampleId :

Tot Ion:105 Resp: 351565

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

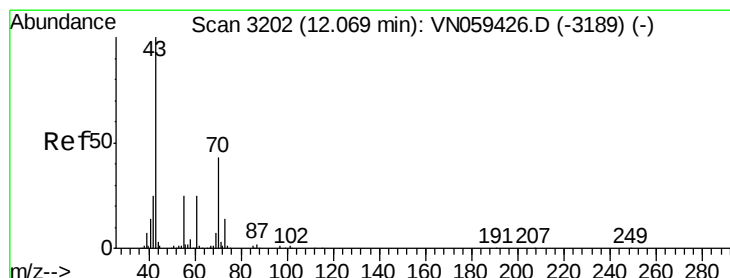
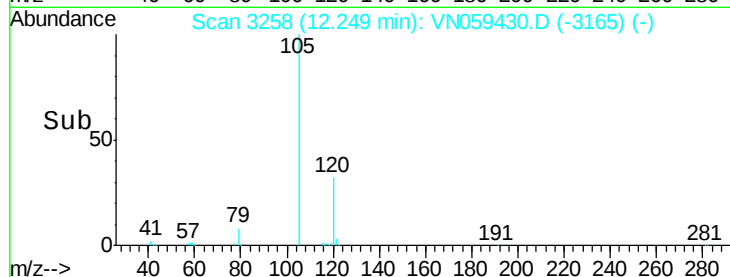
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 23.540 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Tgt Ion: 43 Resp: 135675

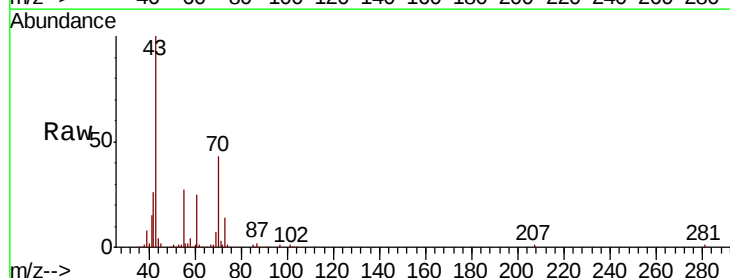
Ion Ratio Lower Upper

43 100

70 43.0 34.6 52.0

55 26.6 20.5 30.7

61 24.7 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

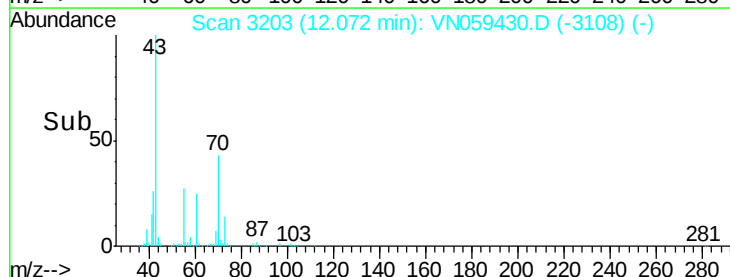
60000

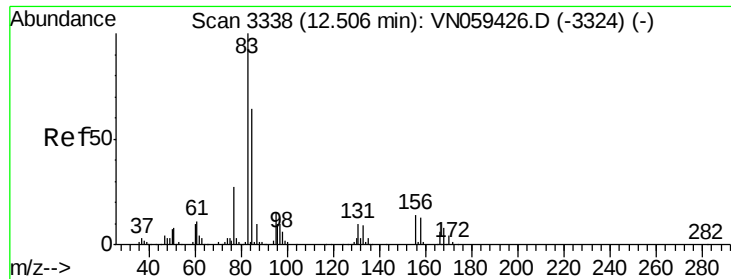
40000

20000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 21.112 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

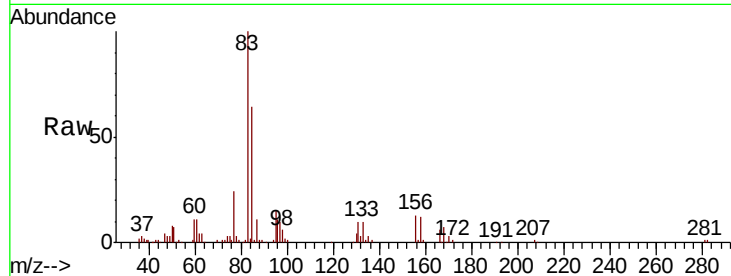
Tot Ion: 83 Resp: 115237

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

85 64.4 32.3 96.9

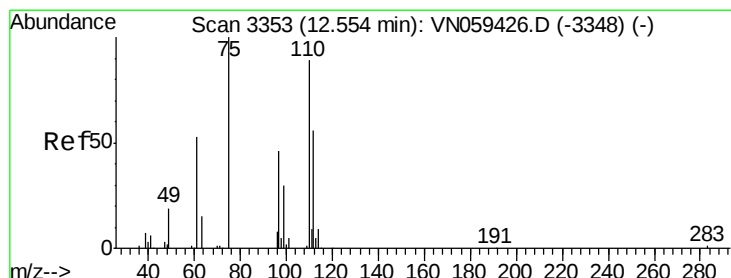
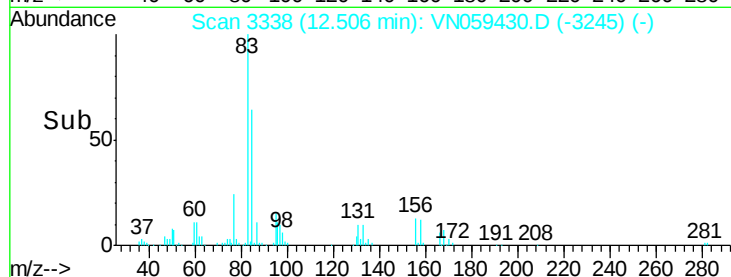


Abundance Ion 82.90 (82.60 to 83.60): VN059430.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059430.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059430.D (-3245) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.820 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059430.D

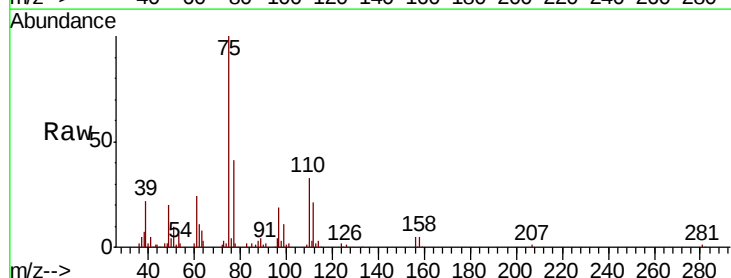
Acq: 27 Nov 2019 18:48

Tgt Ion: 75 Resp: 152419

Ion Ratio Lower Upper

75 100

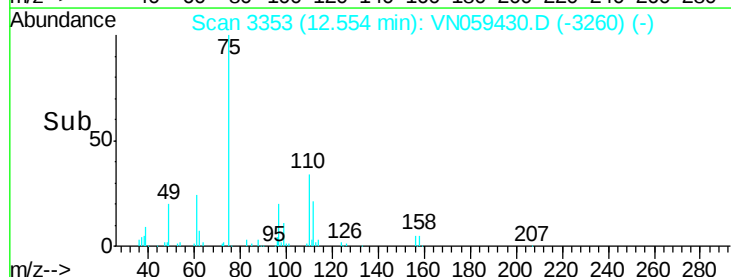
77 0.0 0.0 0.0

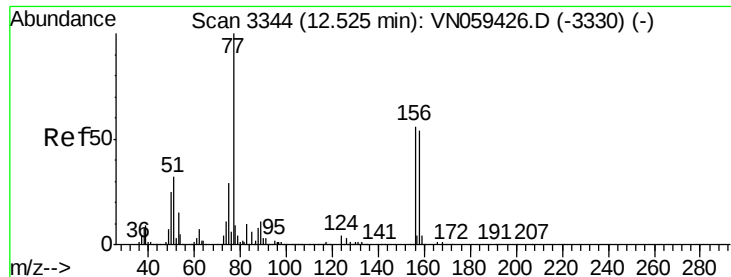


Abundance Ion 74.90 (74.60 to 75.60): VN059430.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059430.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 20.653 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampled :

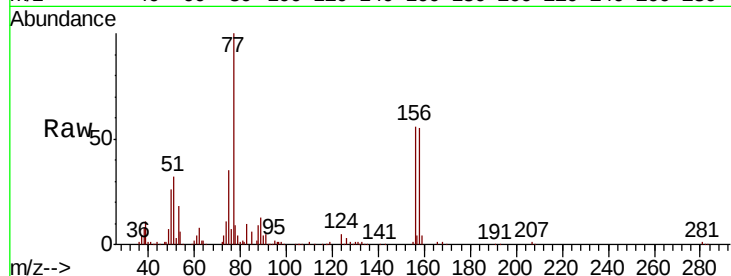
Tot Ion:156 Resp: 84634

Ion Ratio Lower Upper

156 100

77 219.8 108.7 326.3

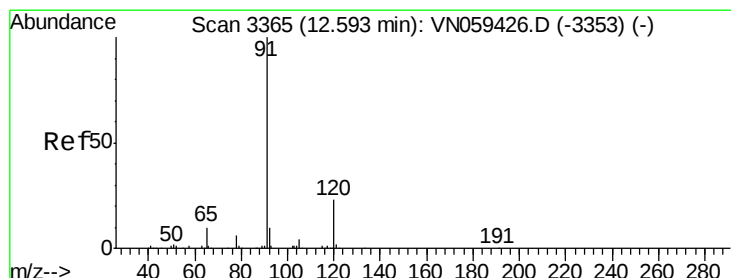
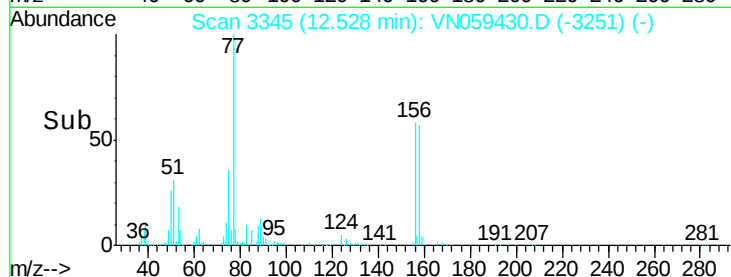
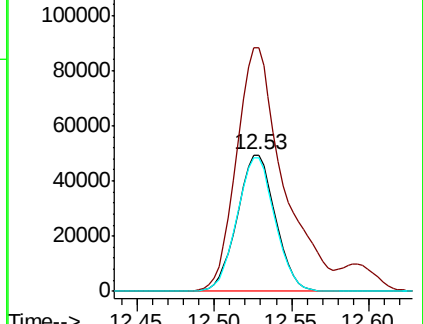
158 97.6 48.3 144.9



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: 20.933 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059430.D

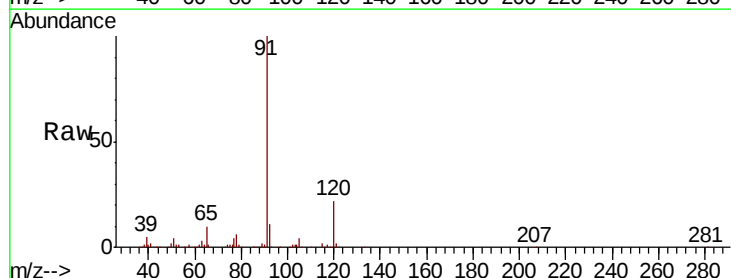
Acq: 27 Nov 2019 18:48

Tgt Ion: 91 Resp: 403756

Ion Ratio Lower Upper

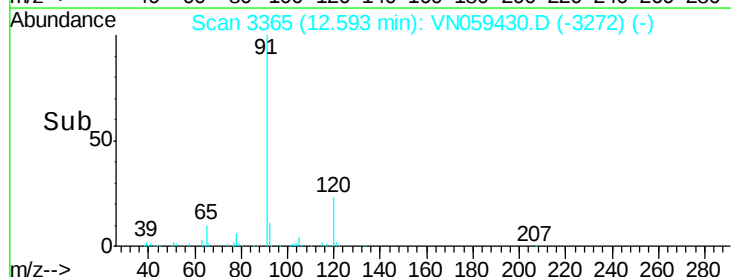
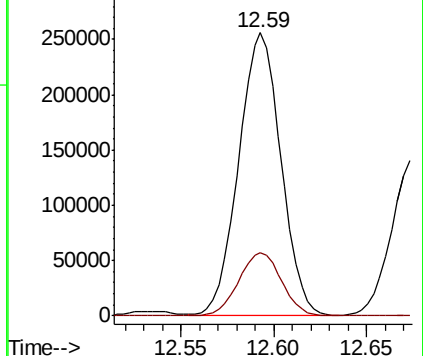
91 100

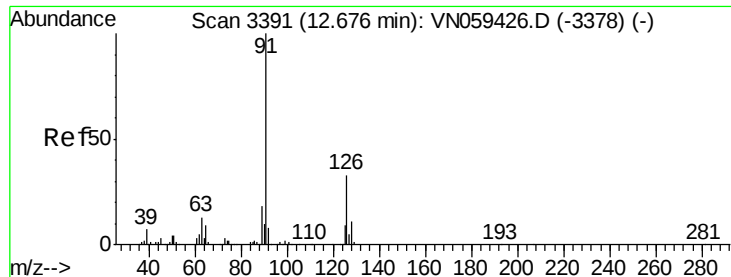
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

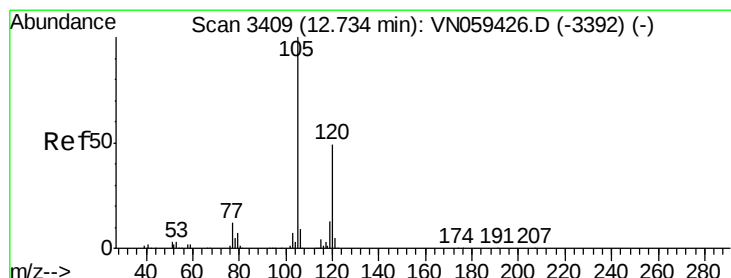
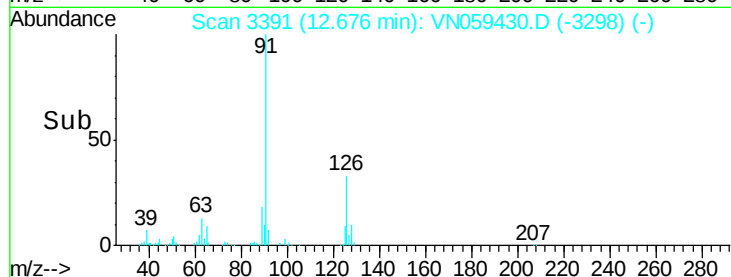
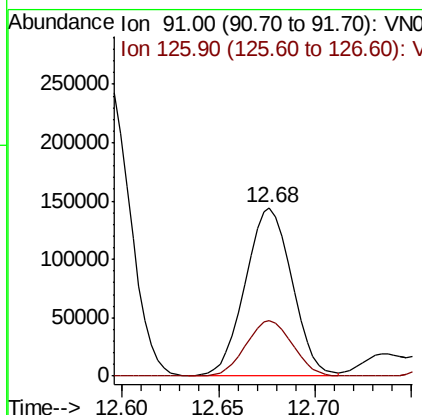
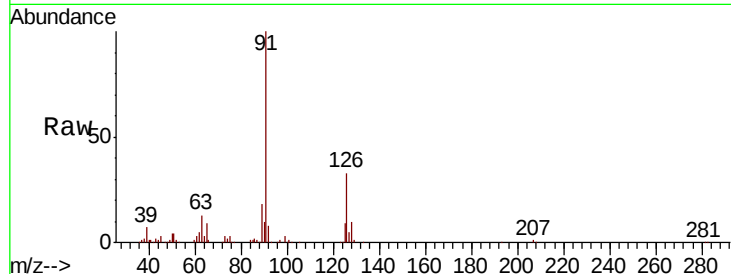




#79
 2-Chlorotoluene
 Concen: 20.888 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

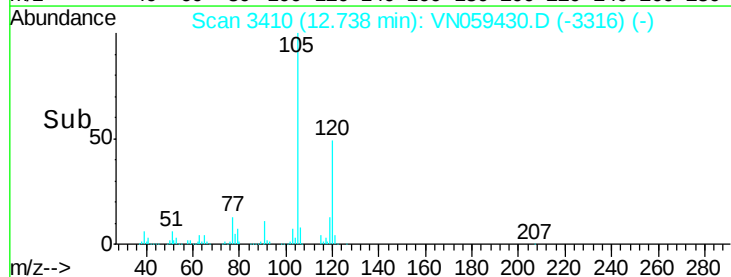
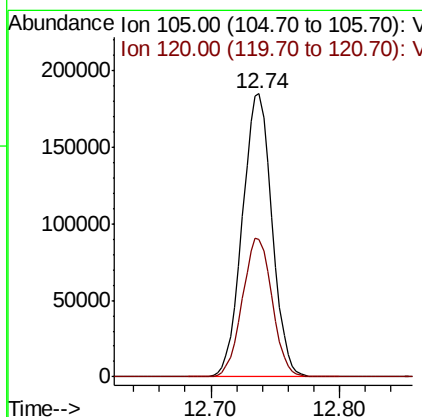
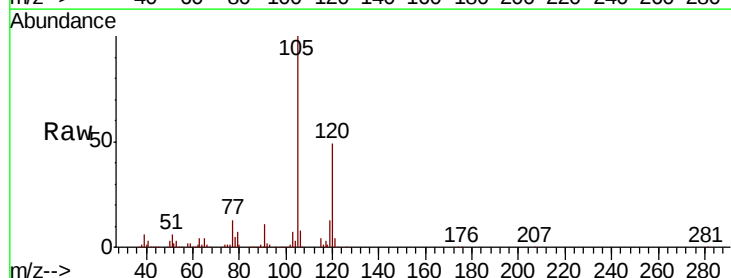
Instrument :
 MSVOA_N
 ClientSampled :

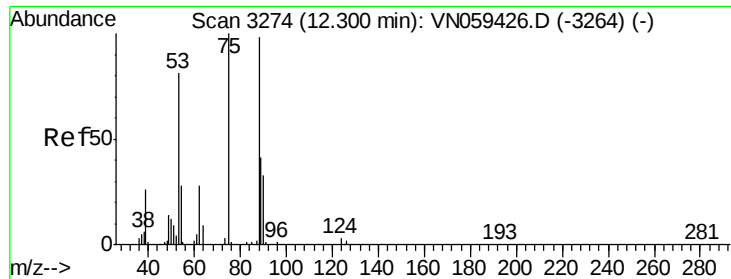
Tot Ion: 91 Resp: 240864
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.049 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

Tgt Ion: 105 Resp: 296141
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.553 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

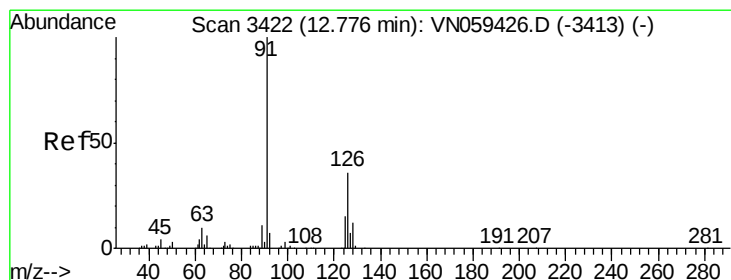
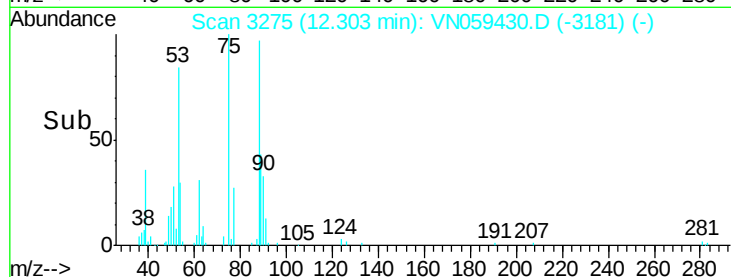
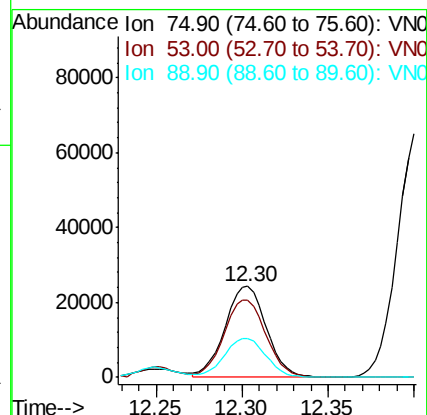
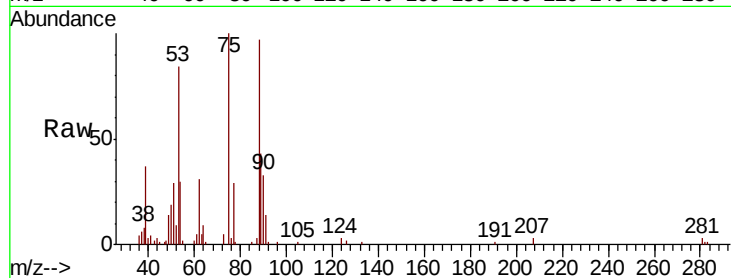
Tot Ion: 75 Resp: 40885

Ion Ratio Lower Upper

75 100

53 86.7 66.2 99.4

89 43.1 33.9 50.9



#82

4-Chlorotoluene

Concen: 20.516 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059430.D

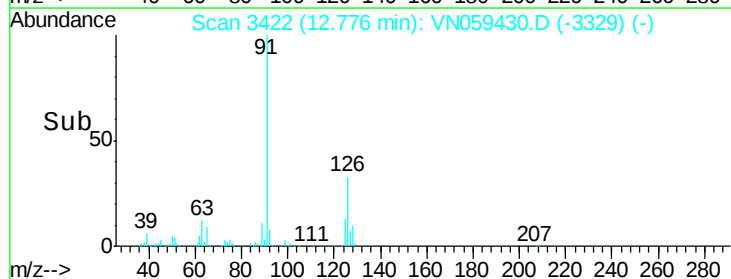
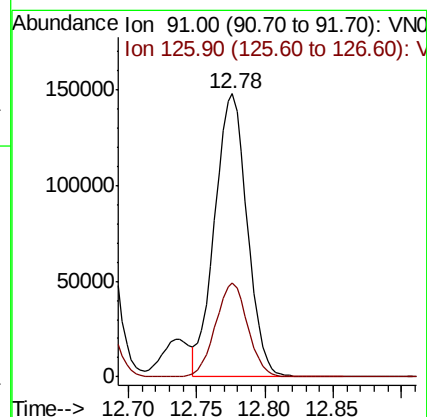
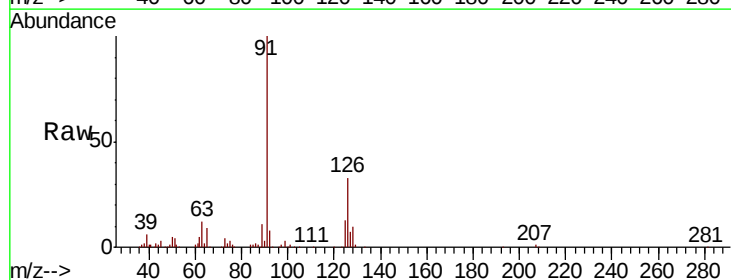
Acq: 27 Nov 2019 18:48

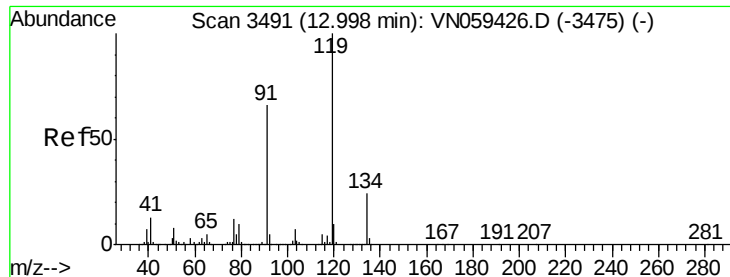
Tgt Ion: 91 Resp: 243414

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.0





#83

tert-Butylbenzene

Concen: 20.820 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

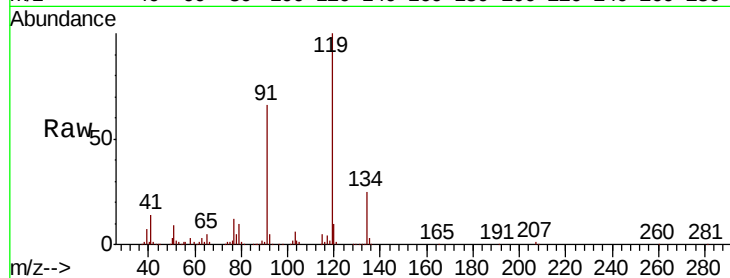
Tot Ion:119 Resp: 251523

Ion Ratio Lower Upper

119 100

91 66.0 32.8 98.4

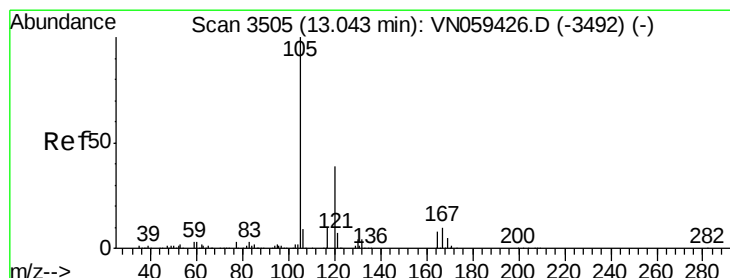
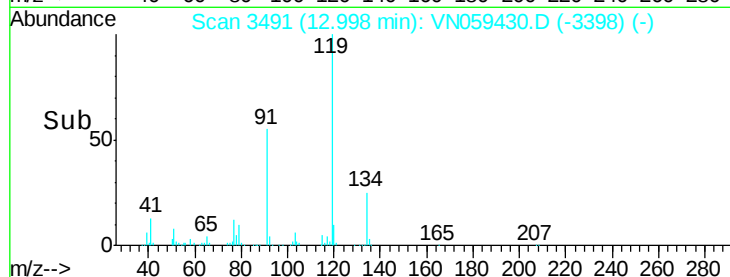
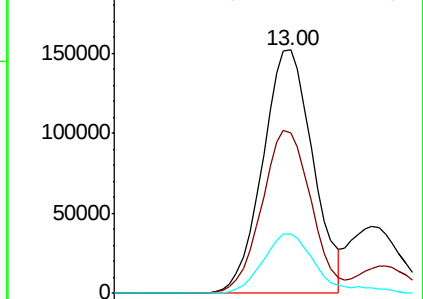
134 26.3 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.128 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059430.D

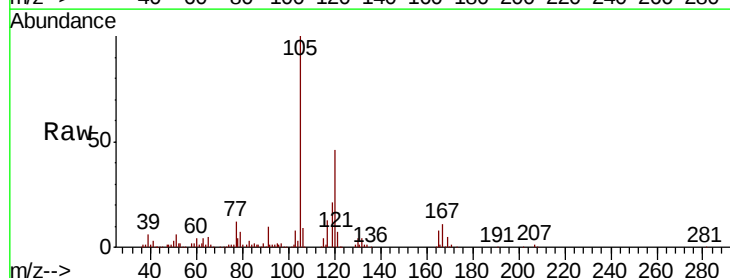
Acq: 27 Nov 2019 18:48

Tgt Ion:105 Resp: 291197

Ion Ratio Lower Upper

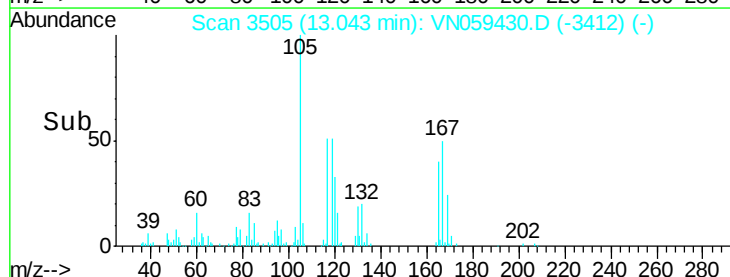
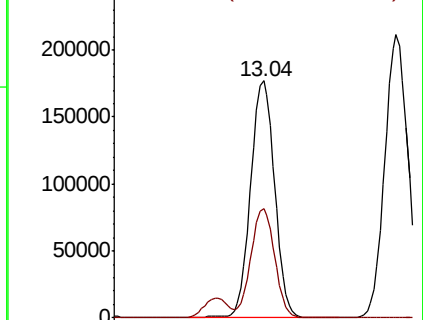
105 100

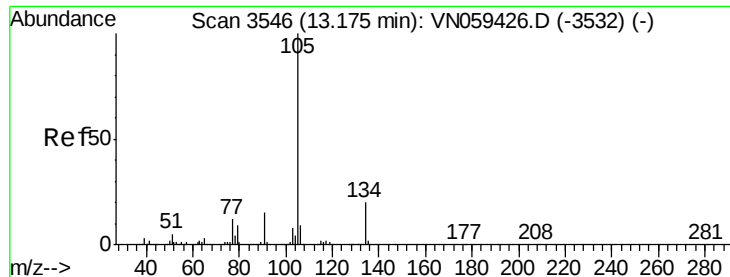
120 45.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.122 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

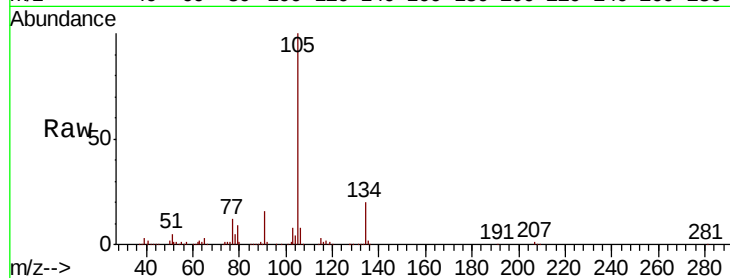
ClientSampleId :

Tot Ion:105 Resp: 338860

Ion Ratio Lower Upper

105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

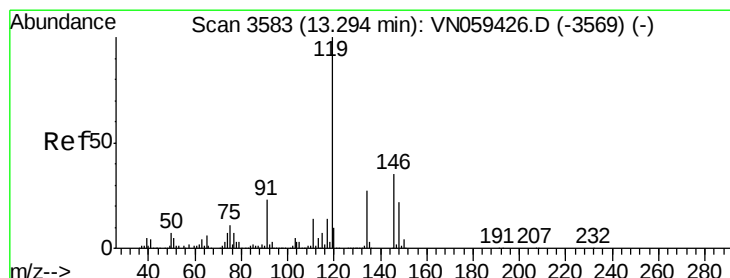
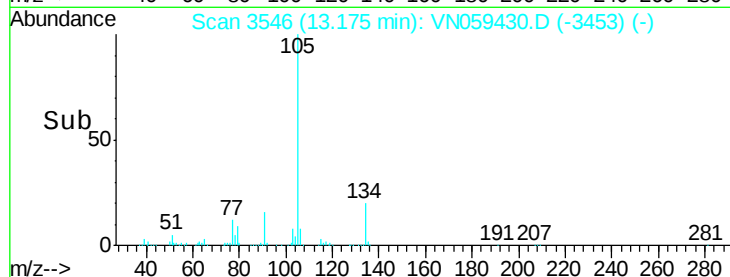
50000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 21.153 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

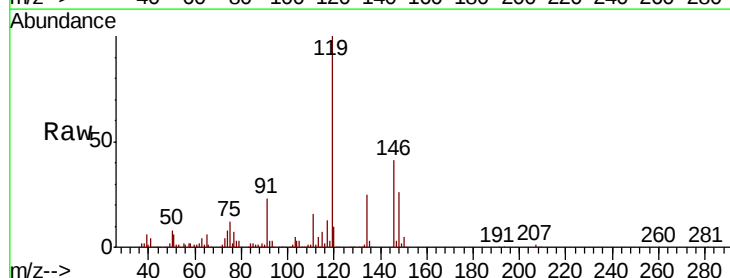
Tgt Ion:119 Resp: 306797

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 22.6 11.5 34.4



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

250000

200000

150000

100000

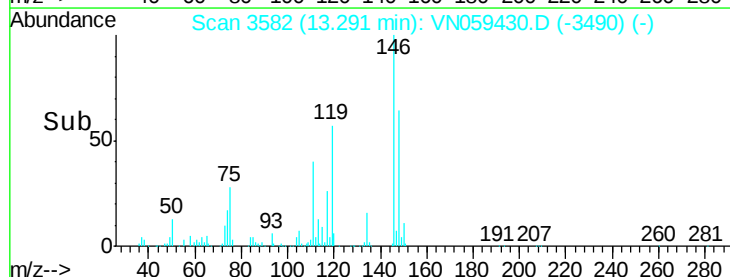
50000

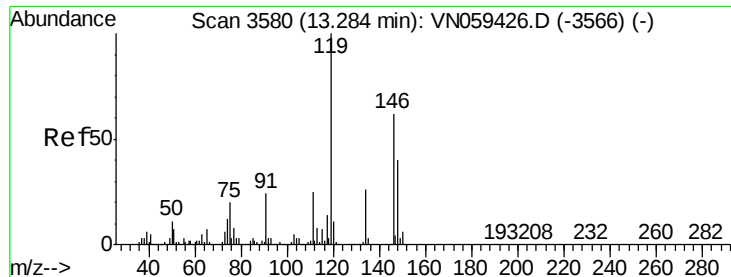
0

13.20

13.30

Time-->

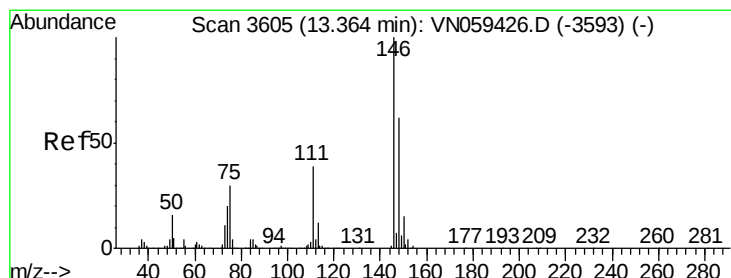
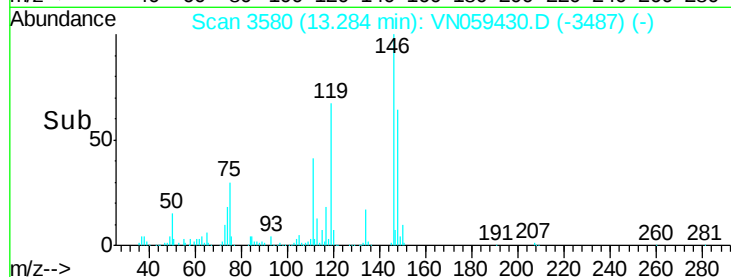
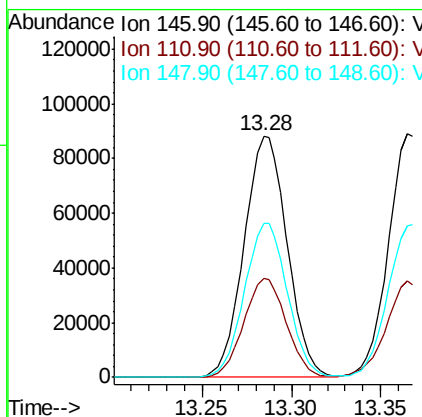
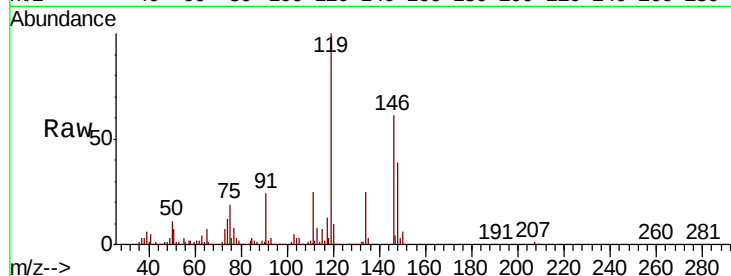




#87
 1,3-Dichlorobenzene
 Concen: 20.520 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

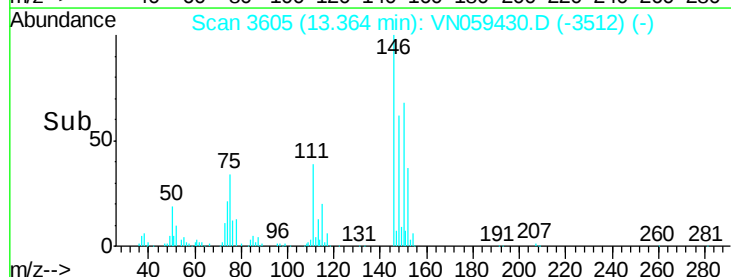
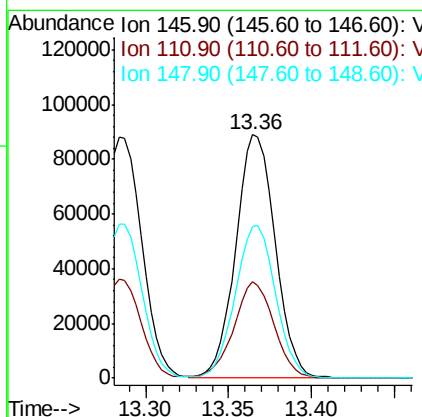
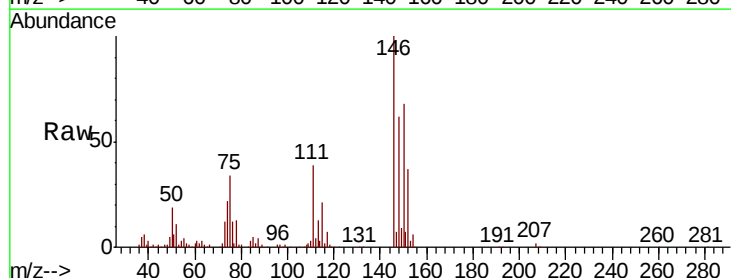
Instrument :
 MSVOA_N
 ClientSampled :

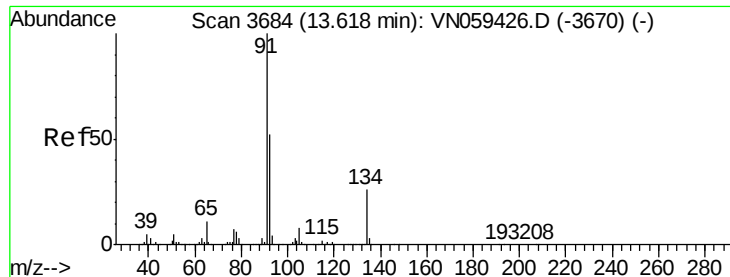
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	63.6	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.094 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	64.8	31.6	95.0





#89

n-Butylbenzene

Concen: 19.788 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

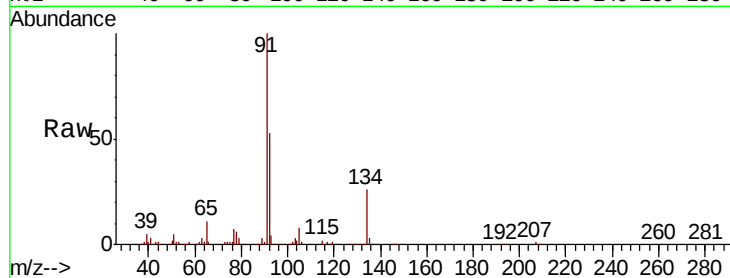
Tot Ion: 91 Resp: 250878

Ion Ratio Lower Upper

91 100

92 52.1 25.9 77.8

134 25.7 12.8 38.4

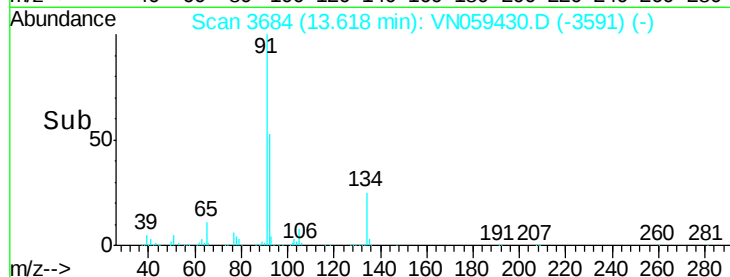


Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN059426.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN059426.D (-3670) (-)

Time-->



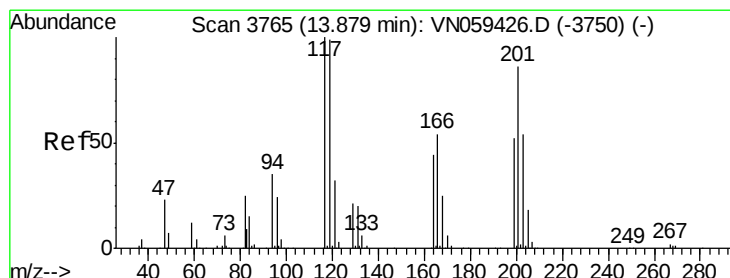
Abundance

Ion 91.00 (90.70 to 91.70): VN059430.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN059430.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN059430.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 20.034 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN059430.D

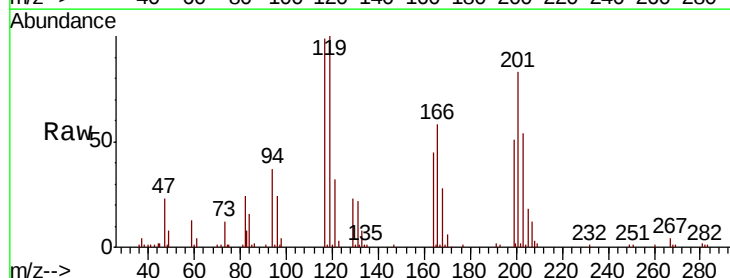
Acq: 27 Nov 2019 18:48

Tgt Ion: 117 Resp: 55536

Ion Ratio Lower Upper

117 100

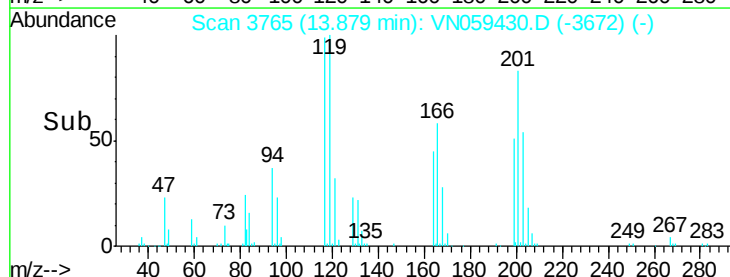
201 83.2 42.1 126.4



Abundance Ion 116.80 (116.50 to 117.50): VN059426.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059426.D (-3750) (-)

Time-->

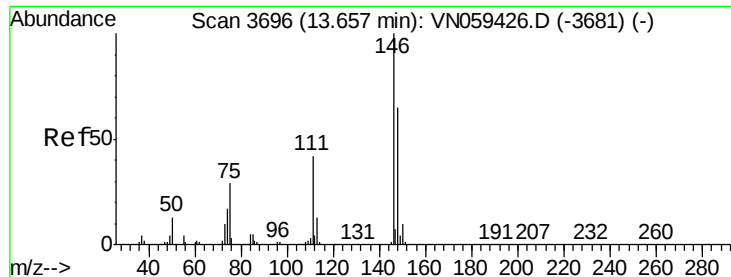


Abundance

Ion 116.80 (116.50 to 117.50): VN059430.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN059430.D (-3672) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 20.478 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059430.D

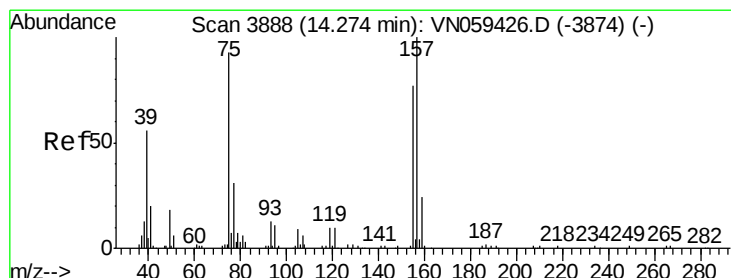
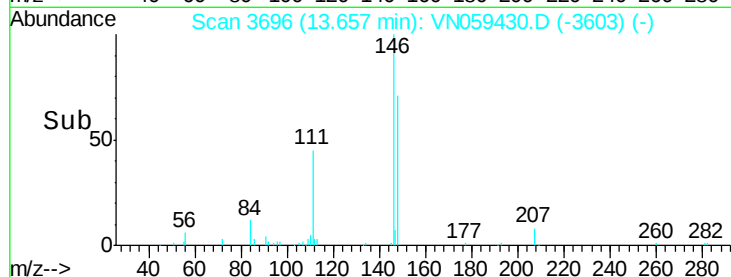
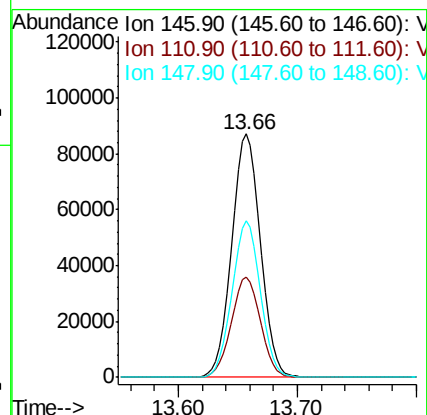
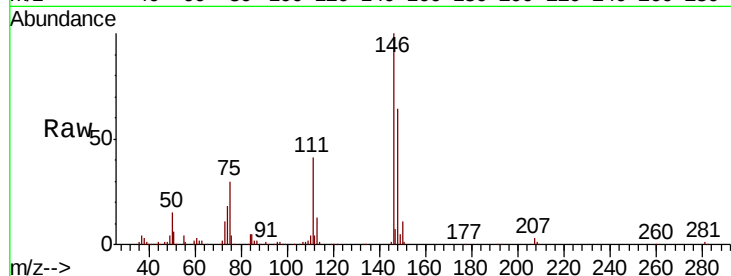
Acq: 27 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	145718
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	63.7
148	63.4	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 25.695 ug/l

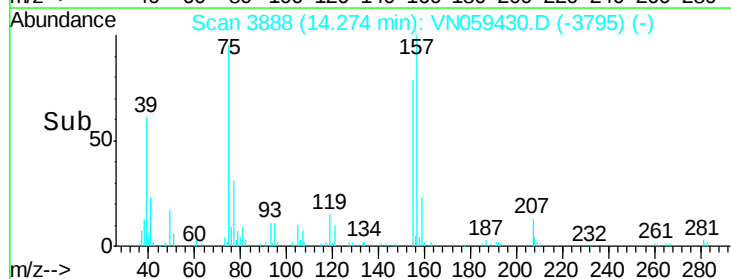
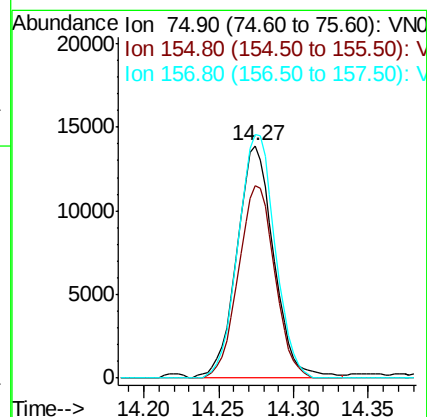
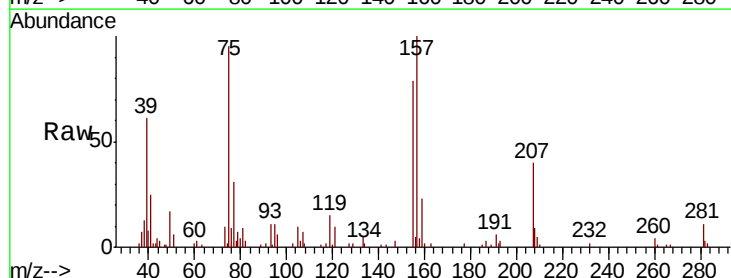
RT: 14.27 min Scan# 3888

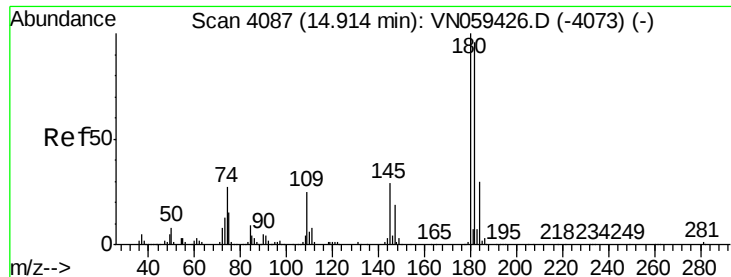
Delta R.T. 0.00 min

Lab File: VN059430.D

Acq: 27 Nov 2019 18:48

Tgt Ion:	75	Resp:	23991
Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.9	125.8
157	104.3	54.1	162.3

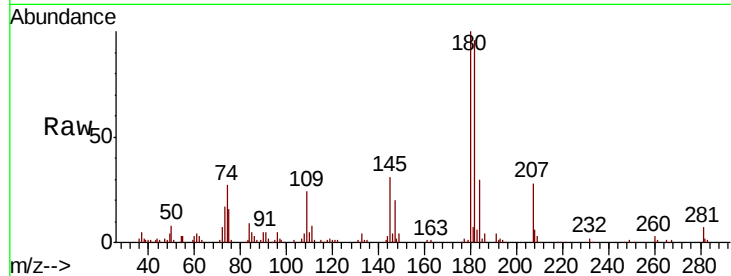




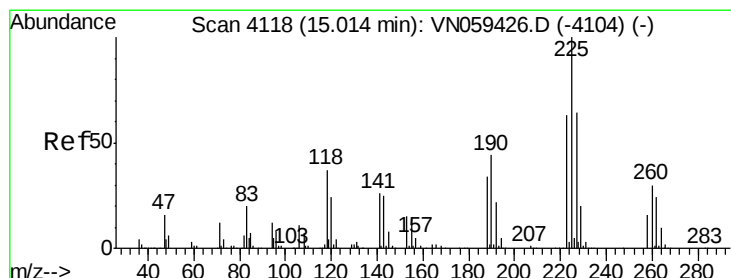
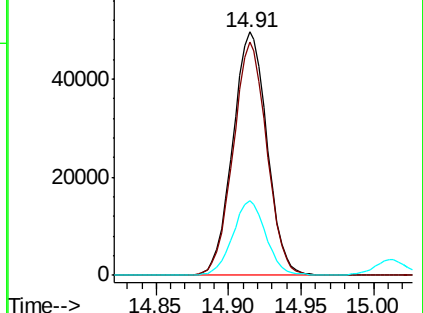
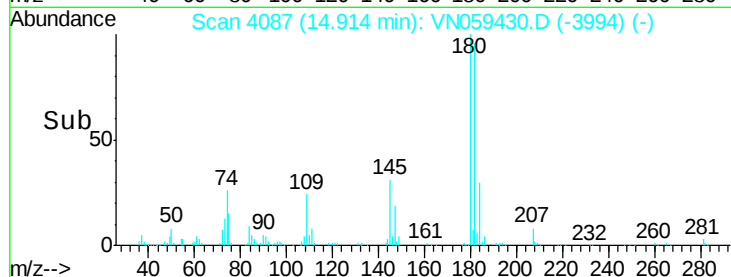
#93
 1,2,4-Trichlorobenzene
 Concen: 18.419 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 81474
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.3 142.0
 145 29.7 14.8 44.4

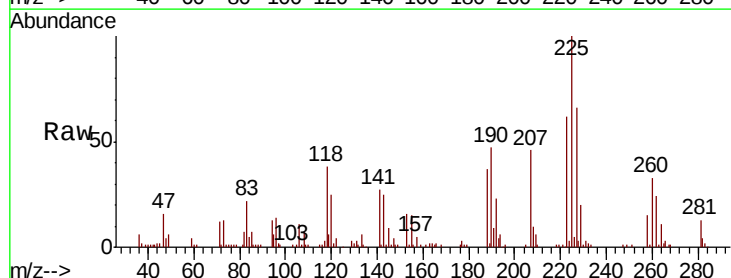


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

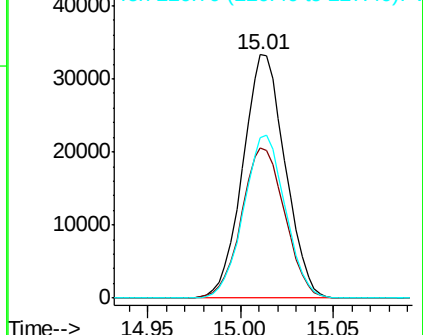
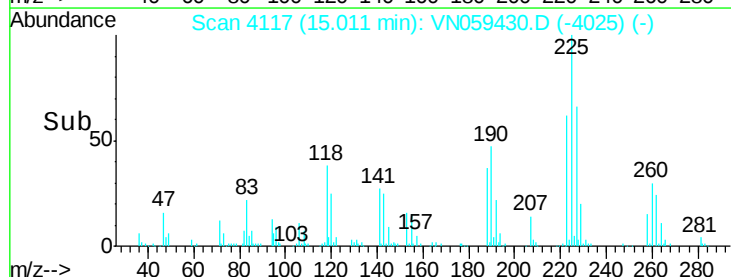


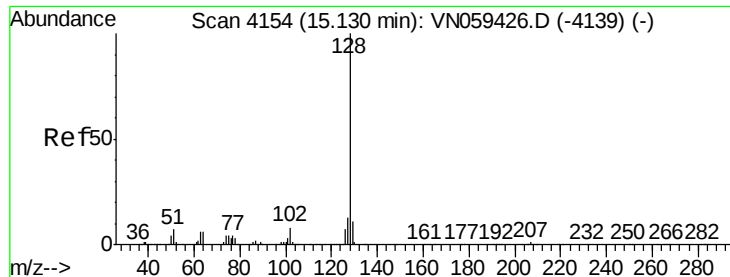
#94
 Hexachlorobutadiene
 Concen: 19.447 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059430.D
 Acq: 27 Nov 2019 18:48

Tgt Ion:225 Resp: 52718
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.5 94.5
 227 65.7 31.9 95.7



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

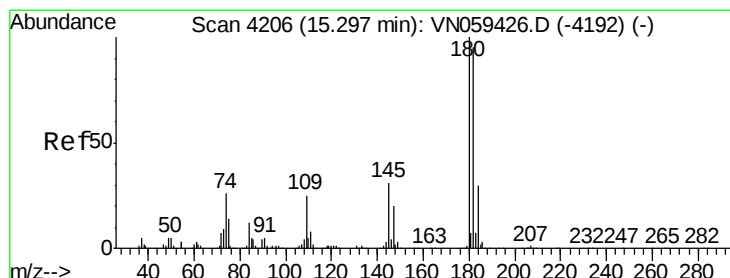
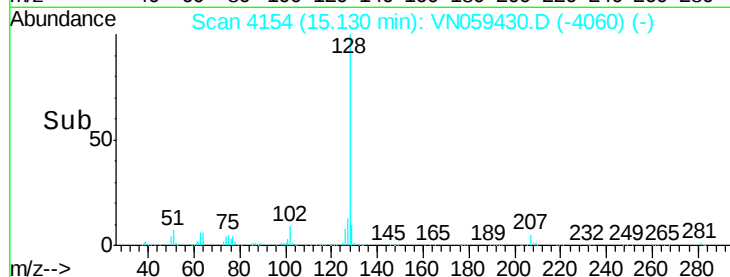
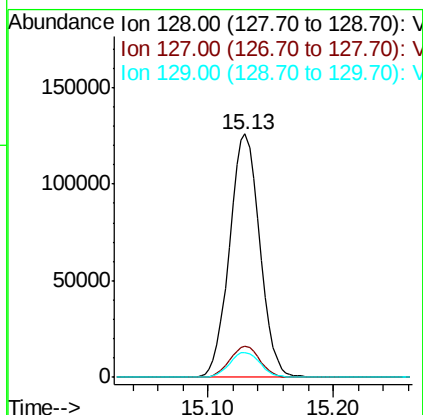
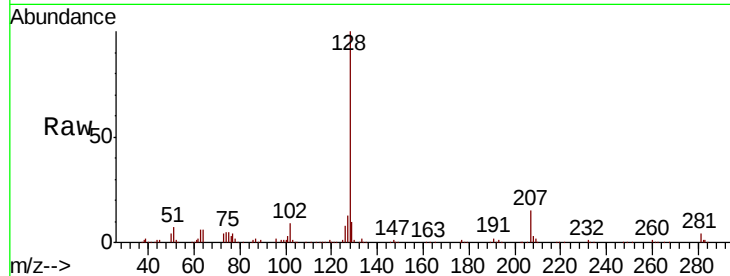




#95
Naphthalene
Concen: 22.808 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 210741
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 22.217 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059430.D
Acq: 27 Nov 2019 18:48

Tgt Ion:180 Resp: 81288
Ion Ratio Lower Upper
180 100
182 97.2 47.5 142.6
145 33.2 15.7 47.1

