

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120419\
 Data File : VN059489.D
 Acq On : 4 Dec 2019 17:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:48:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	404617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	629914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	562898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260291	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	240245	47.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.60%	
35) Dibromofluoromethane	7.57	113	189605	48.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.66%	
50) Toluene-d8	10.08	98	745168	48.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.40	95	259006	47.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	136904	30.406	ug/l	100
3) Chloromethane	2.04	50	190376	31.547	ug/l	98
4) Vinyl Chloride	2.17	62	157108	43.385	ug/l	99
5) Bromomethane	2.54	94	66280	30.118	ug/l	100
6) Chloroethane	2.68	64	65542	30.656	ug/l	97
7) Trichlorofluoromethane	3.00	101	142754	32.641	ug/l	98
8) Diethyl Ether	3.38	74	90719	31.837	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	137610	32.053	ug/l	98
10) Methyl Iodide	3.92	142	178752	32.882	ug/l	98
11) Tert butyl alcohol	4.75	59	148532	156.817	ug/l	99
12) 1,1-Dichloroethene	3.71	96	136396	32.501	ug/l	98
13) Acrolein	3.58	56	125094	152.178	ug/l	98
14) Allyl chloride	4.29	41	265109	32.073	ug/l	99
15) Acrylonitrile	4.95	53	411596	160.626	ug/l	99
16) Acetone	3.79	43	469971	165.676	ug/l	100
17) Carbon Disulfide	4.02	76	438639	30.632	ug/l	99
18) Methyl Acetate	4.29	43	210513	31.111	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	468898	32.782	ug/l	98
20) Methylene Chloride	4.52	84	156181	32.571	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	151947	32.358	ug/l	97
22) Diisopropyl ether	5.92	45	512849	33.334	ug/l	99
23) Vinyl Acetate	5.86	43	2150875	174.227	ug/l	99
24) 1,1-Dichloroethane	5.81	63	288214	32.977	ug/l	99
25) 2-Butanone	6.81	43	598992	156.784	ug/l	98
26) 2,2-Dichloropropane	6.79	77	250936	33.196	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	169675	32.535	ug/l	99
28) Bromochloromethane	7.17	49	144719	42.619	ug/l	99
29) Tetrahydrofuran	7.18	42	379054	157.789	ug/l	99
30) Chloroform	7.35	83	307098	36.392	ug/l	99
31) Cyclohexane	7.63	56	271777	32.093	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	237066	32.322	ug/l	98
36) 1,1-Dichloropropene	7.77	75	215386	32.858	ug/l	99
37) Ethyl Acetate	6.90	43	232844	31.801	ug/l	99
38) Carbon Tetrachloride	7.75	117	207785	32.957	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262606	33.290	ug/l	99
40) Benzene	8.02	78	639577	33.319	ug/l	99
41) Methacrylonitrile	7.18	41	331281	111.636	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	215484	33.047	ug/l	99
43) Isopropyl Acetate	8.14	43	362405	33.278	ug/l	99
44) Trichloroethene	8.82	130	162708	32.436	ug/l	96
45) 1,2-Dichloropropane	9.10	63	170157	33.180	ug/l	99
46) Dibromomethane	9.19	93	105359	32.998	ug/l	99
47) Bromodichloromethane	9.39	83	218112	34.070	ug/l	100
48) Methyl methacrylate	9.18	41	159254	32.414	ug/l	99
49) 1,4-Dioxane	9.19	88	47776	642.629	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1095758	169.509	ug/l	99
52) Toluene	10.14	92	387576	33.385	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	247590	32.867	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	270311	33.854	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	151193	33.037	ug/l	98
56) Ethyl methacrylate	10.42	69	230144	31.612	ug/l	100
57) 1,3-Dichloropropane	10.70	76	263556	33.302	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	195171	88.159	ug/l	100
59) 2-Hexanone	10.74	43	824490	169.479	ug/l	100
60) Dibromochloromethane	10.90	129	163191	33.396	ug/l	99
61) 1,2-Dibromoethane	11.00	107	157499	33.306	ug/l	99
64) Tetrachloroethene	10.62	164	145977	30.487	ug/l	99
65) Chlorobenzene	11.43	112	402194	32.684	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150304	33.993	ug/l	99
67) Ethyl Benzene	11.51	91	732592	33.979	ug/l	100
68) m/p-Xylenes	11.62	106	545412	67.939	ug/l	99
69) o-Xylene	11.95	106	257764	33.726	ug/l	99
70) Styrene	11.96	104	419428	34.377	ug/l	99
71) Bromoform	12.12	173	115008	33.369	ug/l #	99
73) Isopropylbenzene	12.25	105	698192	33.447	ug/l	99
74) N-amyl acetate	12.07	43	275734	32.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	221961	33.149	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	298802	46.169	ug/l #	100
77) Bromobenzene	12.53	156	166466	31.912	ug/l	98
78) n-propylbenzene	12.59	91	822078	33.841	ug/l	99
79) 2-Chlorotoluene	12.67	91	480903	32.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	589952	33.818	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	80683	32.717	ug/l	99
82) 4-Chlorotoluene	12.77	91	499259	33.045	ug/l	100
83) tert-Butylbenzene	12.99	119	503668	33.256	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	586983	34.431	ug/l	100
85) sec-Butylbenzene	13.17	105	678413	33.798	ug/l	100
86) p-Isopropyltoluene	13.29	119	616249	34.260	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	300266	32.648	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	294071	31.704	ug/l	99
89) n-Butylbenzene	13.62	91	531289	32.967	ug/l	99
90) Hexachloroethane	13.88	117	112601	32.457	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	287116	32.564	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43266	31.283	ug/l	99

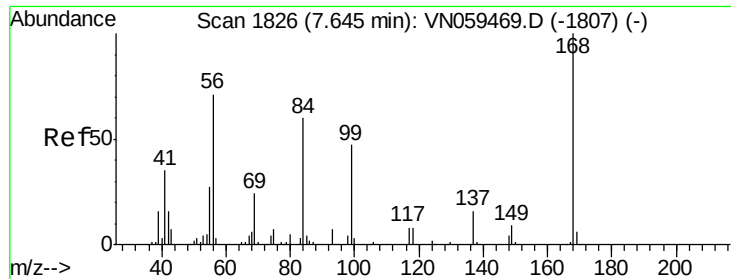
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	173758	32.282	ug/l	99
94) Hexachlorobutadiene	15.01	225	103892	33.669	ug/l	100
95) Naphthalene	15.13	128	453736	31.540	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	171741	32.479	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

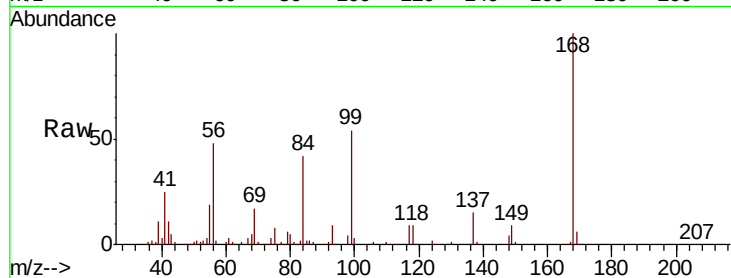
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 404617

Ion Ratio Lower Upper

168 100

99 54.3 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

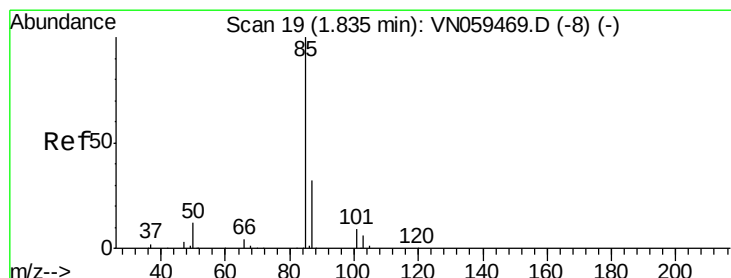
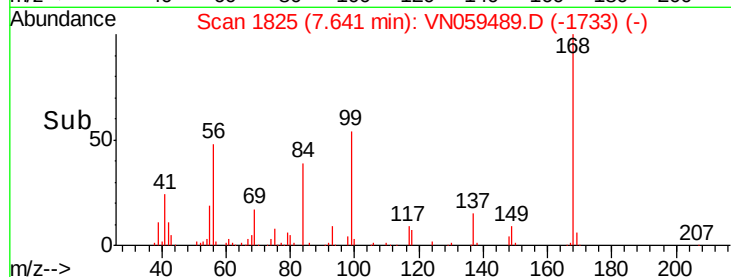
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 30.406 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059489.D

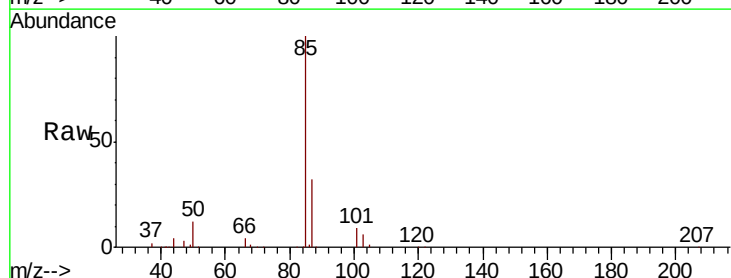
Acq: 4 Dec 2019 17:27

Tgt Ion: 85 Resp: 136904

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

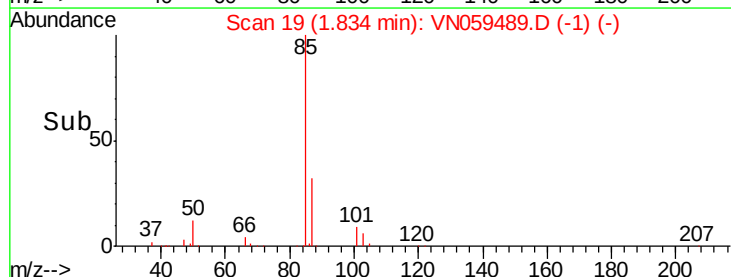
40000

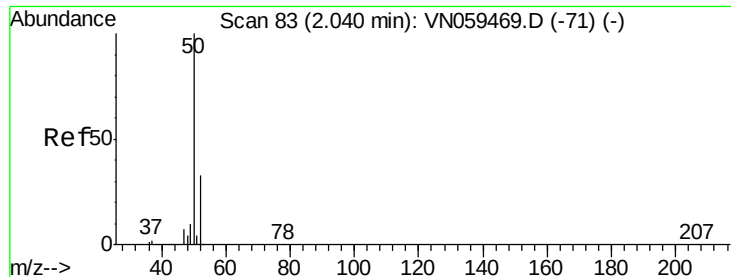
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 31.547 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

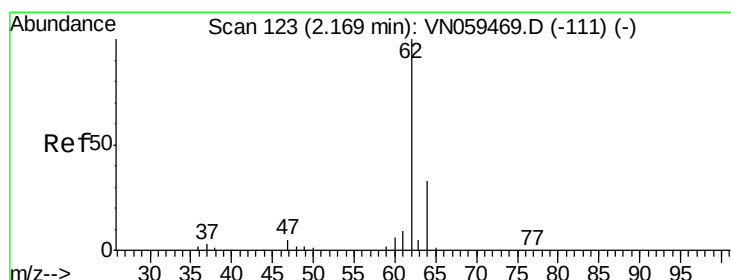
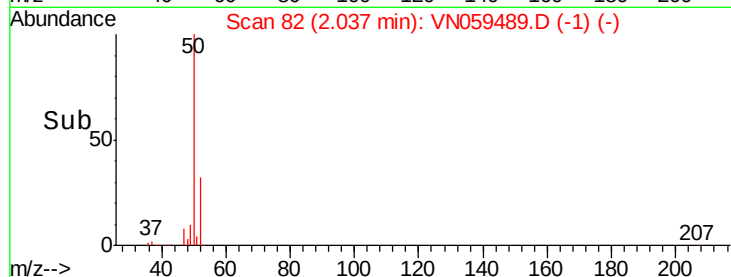
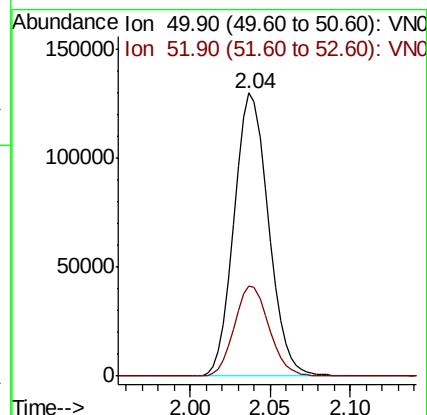
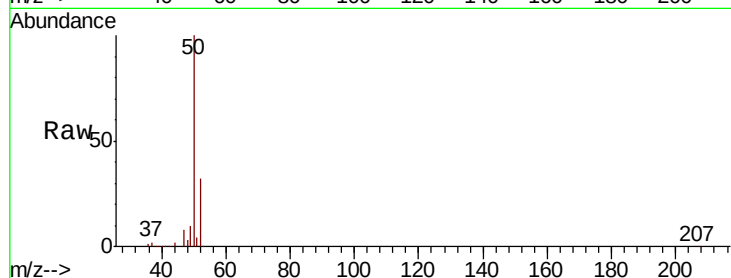
ClientSampled :

Tot Ion: 50 Resp: 190376

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



#4

Vinyl Chloride

Concen: 43.385 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059489.D

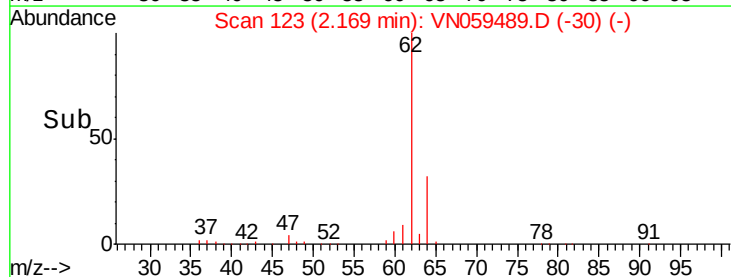
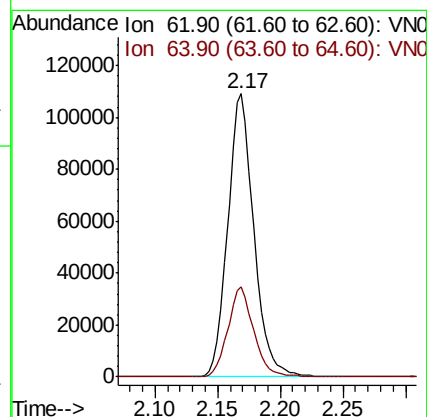
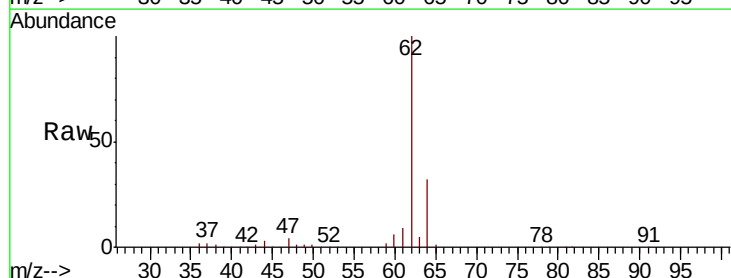
Acq: 4 Dec 2019 17:27

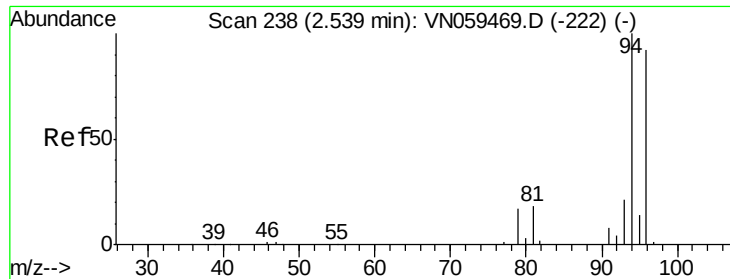
Tgt Ion: 62 Resp: 157108

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 30.118 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

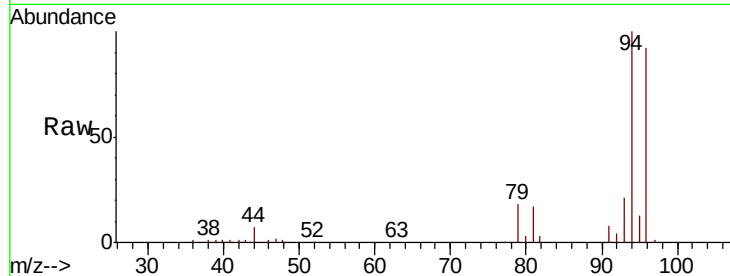
ClientSampleId :

Tot Ion: 94 Resp: 66280

Ion Ratio Lower Upper

94 100

96 92.0 73.5 110.3

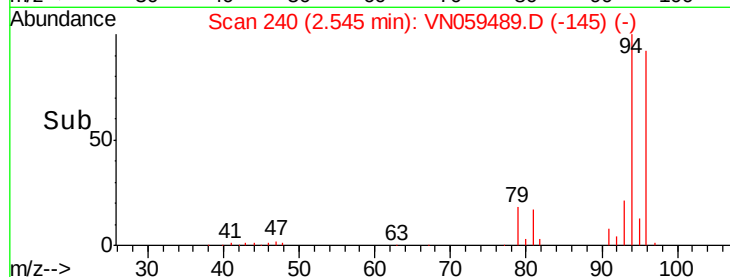


Abundance Ion 93.90 (93.60 to 94.60): VN059489.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059489.D (-222) (-)

2.54

Time-->

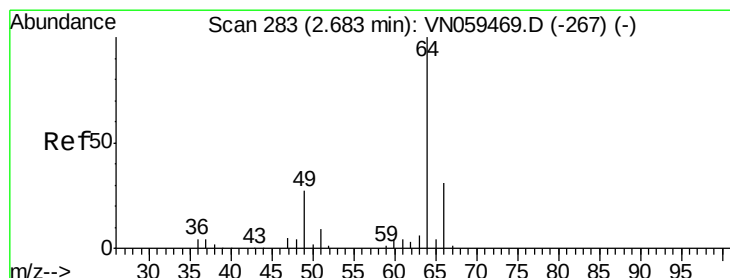


Abundance Ion 93.90 (93.60 to 94.60): VN059489.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059489.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 30.656 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059489.D

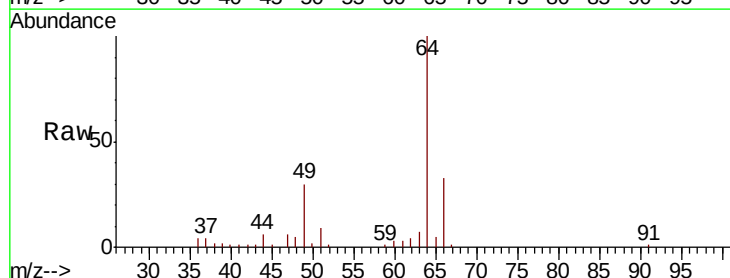
Acq: 4 Dec 2019 17:27

Tgt Ion: 64 Resp: 65542

Ion Ratio Lower Upper

64 100

66 33.3 25.2 37.8

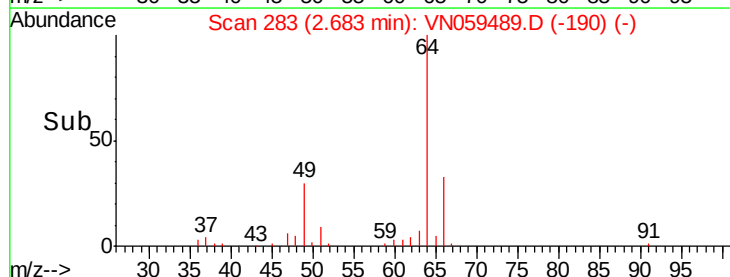


Abundance Ion 63.90 (63.60 to 64.60): VN059489.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN059489.D (-267) (-)

2.68

Time-->

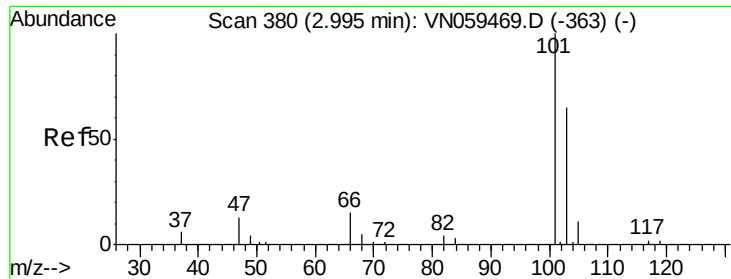


Abundance Ion 63.90 (63.60 to 64.60): VN059489.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN059489.D (-190) (-)

2.68

Time-->

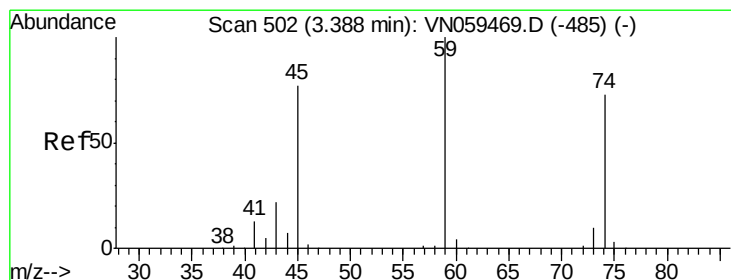
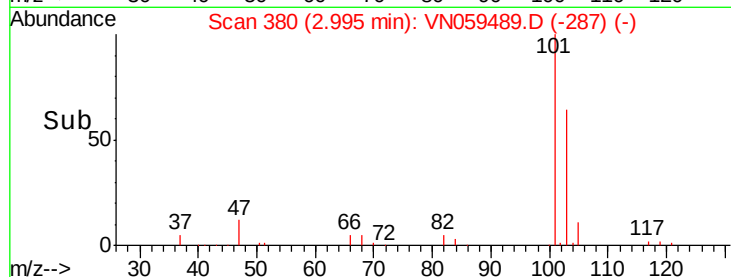
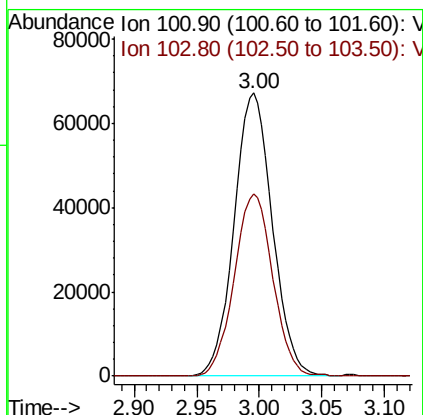
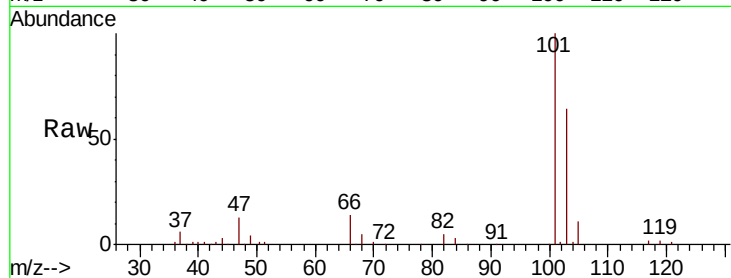


#7

Trichlorofluoromethane
 Concen: 32.641 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

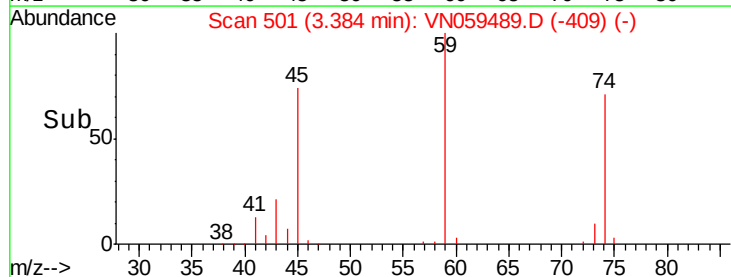
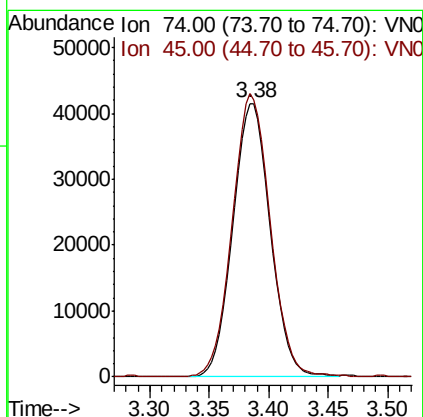
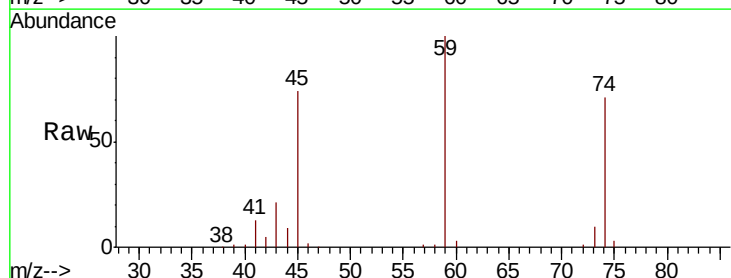
Tot Ion:101 Resp: 142754
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.4 78.6

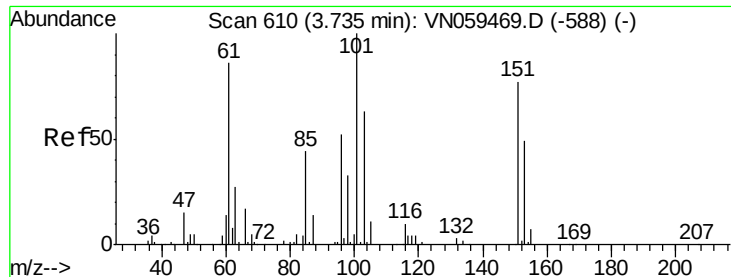


#8

Diethyl Ether
 Concen: 31.837 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion: 74 Resp: 90719
 Ion Ratio Lower Upper
 74 100
 45 104.9 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 32.053 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

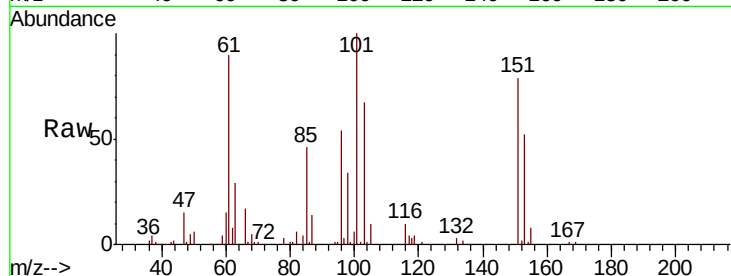
Tot Ion:101 Resp: 137610

Ion Ratio Lower Upper

101 100

85 44.4 35.2 52.8

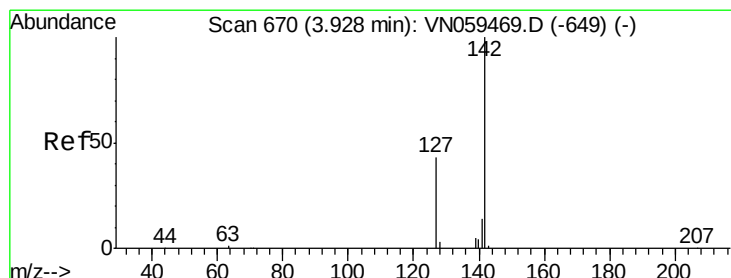
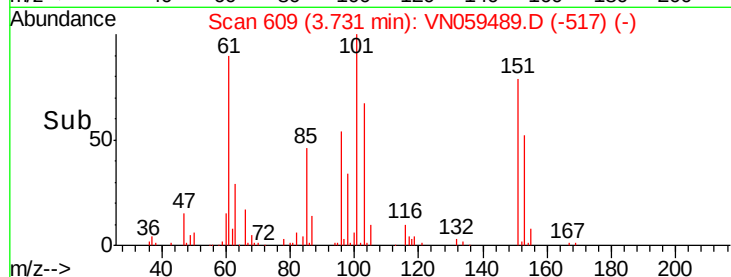
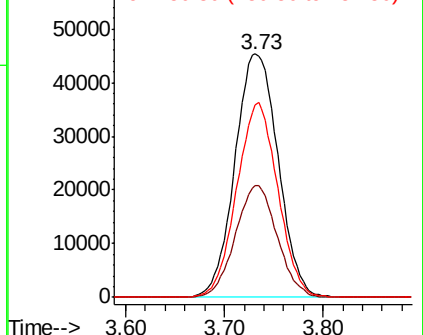
151 76.0 62.4 93.6



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: 32.882 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

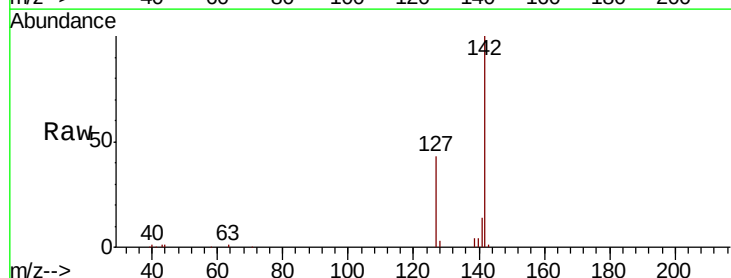
Tgt Ion:142 Resp: 178752

Ion Ratio Lower Upper

142 100

127 42.0 34.6 52.0

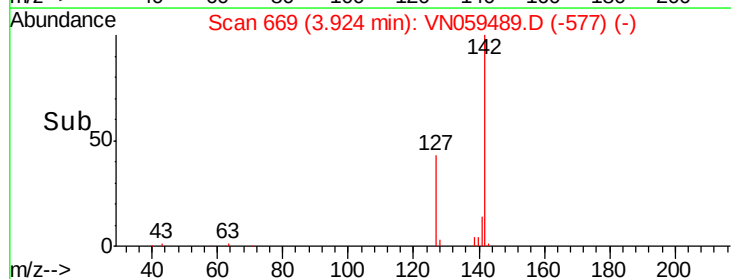
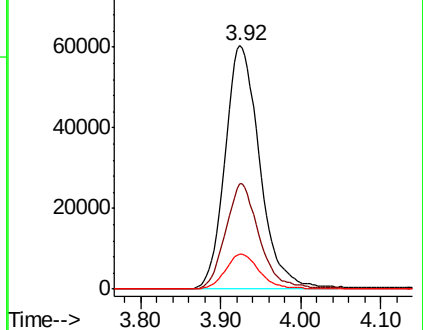
141 14.2 11.4 17.0

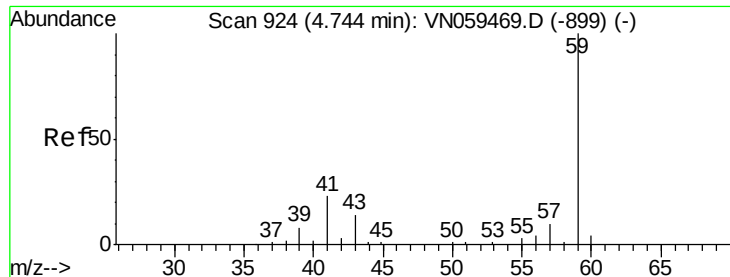


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

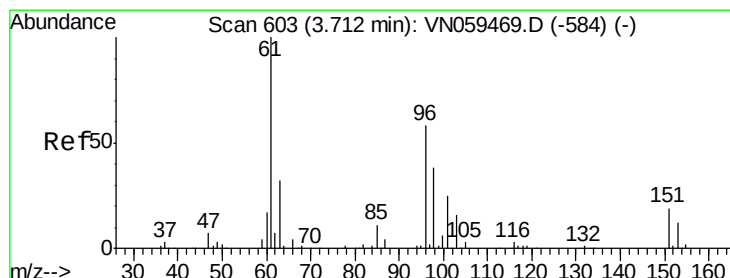
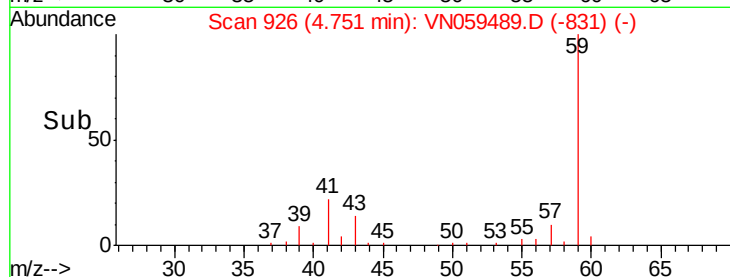
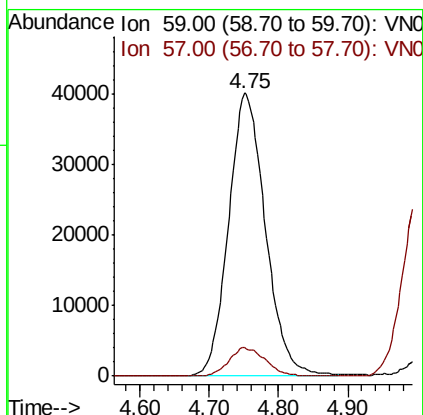
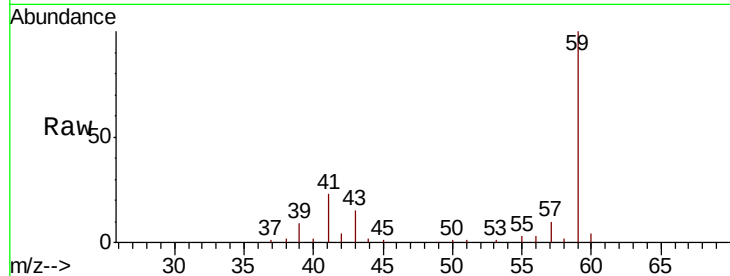




#11
Tert butyl alcohol
Concen: 156.817 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.01 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

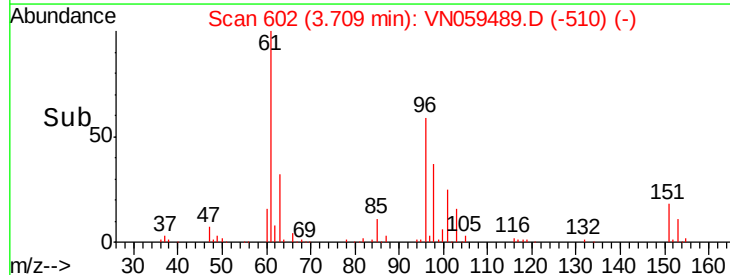
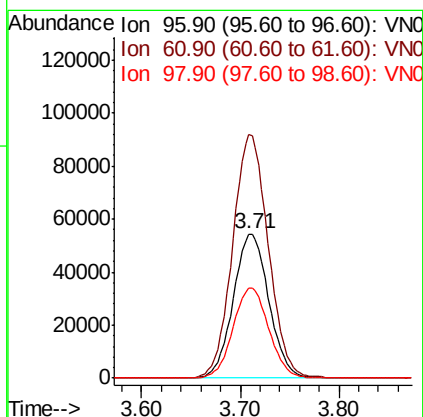
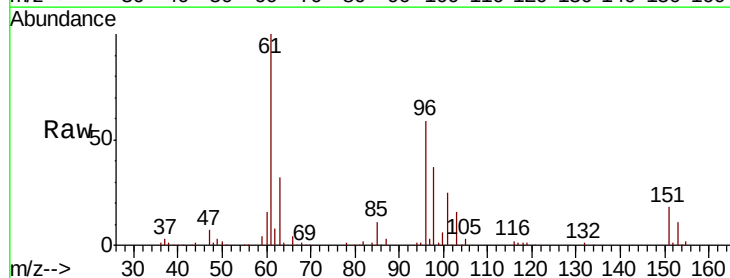
Instrument :
MSVOA_N
ClientSampled :

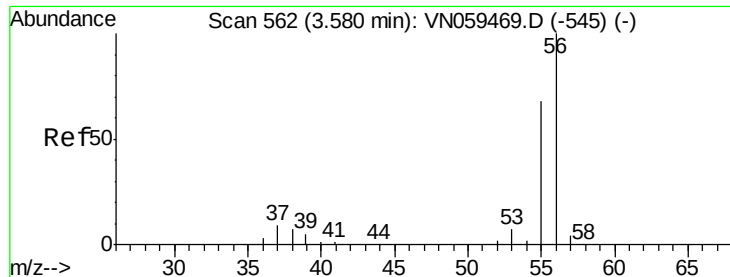
Tot Ion: 59 Resp: 148532
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1



#12
1,1-Dichloroethene
Concen: 32.501 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 96 Resp: 136396
Ion Ratio Lower Upper
96 100
61 169.1 137.1 205.7
98 62.4 52.4 78.6





#13

Acrolein

Concen: 152.178 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

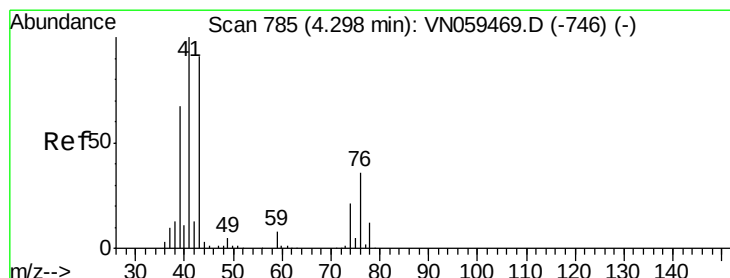
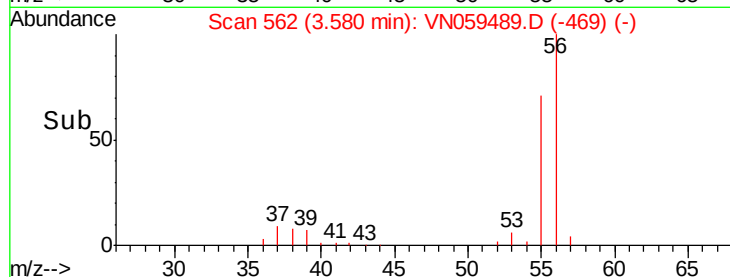
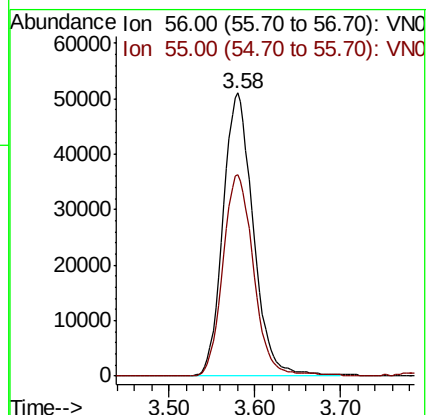
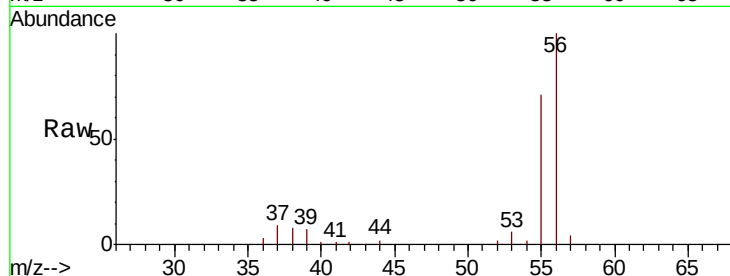
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 125094

Ion Ratio Lower Upper

56 100

55 72.2 56.5 84.7



#14

Allyl chloride

Concen: 32.073 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

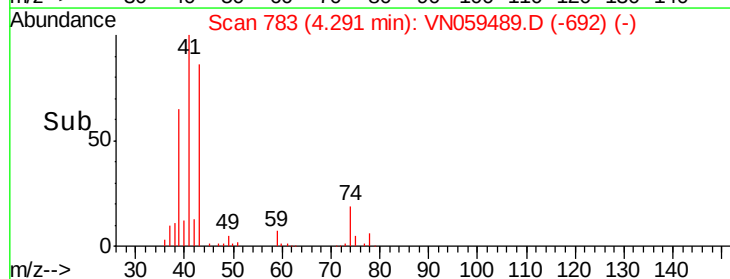
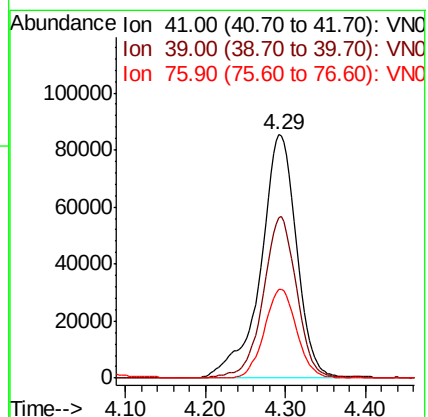
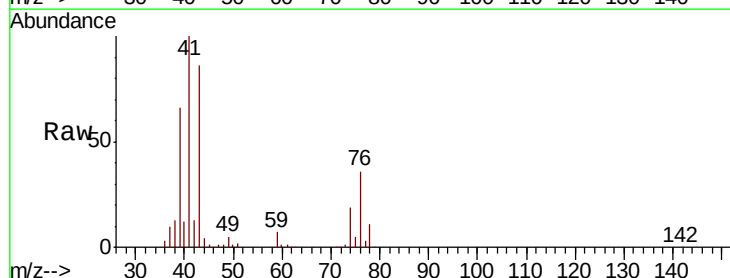
Tgt Ion: 41 Resp: 265109

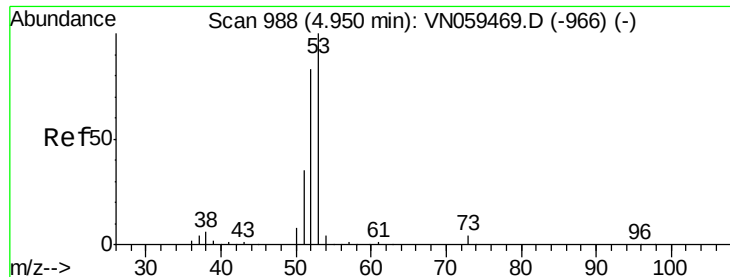
Ion Ratio Lower Upper

41 100

39 62.0 49.3 73.9

76 33.0 25.6 38.4





#15

Acrylonitrile

Concen: 160.626 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

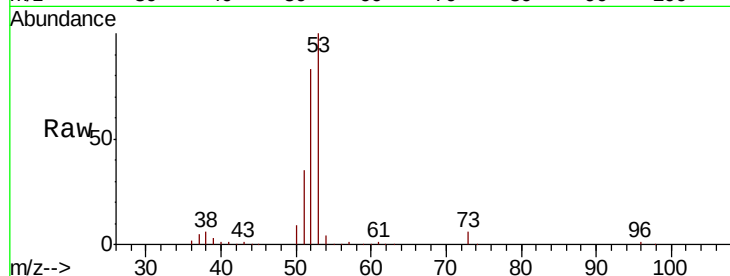
Tot Ion: 53 Resp: 411596

Ion Ratio Lower Upper

53 100

52 82.4 65.5 98.3

51 35.9 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN059489.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059489.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059489.D (-966) (-)

4.95

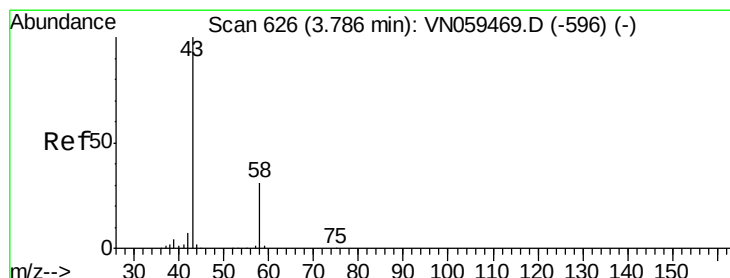
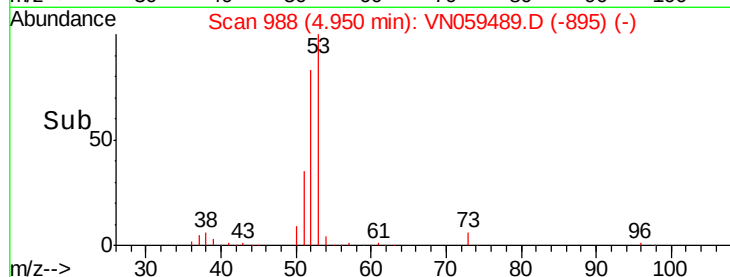
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 165.676 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059489.D

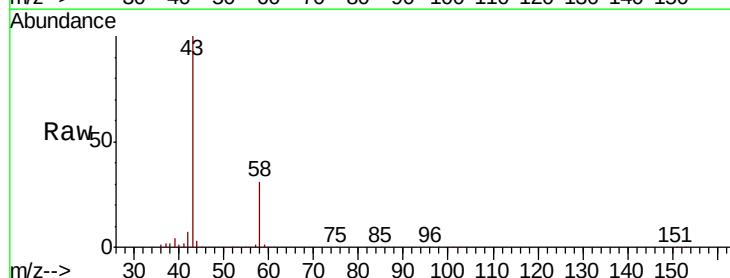
Acq: 4 Dec 2019 17:27

Tgt Ion: 43 Resp: 469971

Ion Ratio Lower Upper

43 100

58 31.3 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059489.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059489.D (-533) (-)

3.79

200000

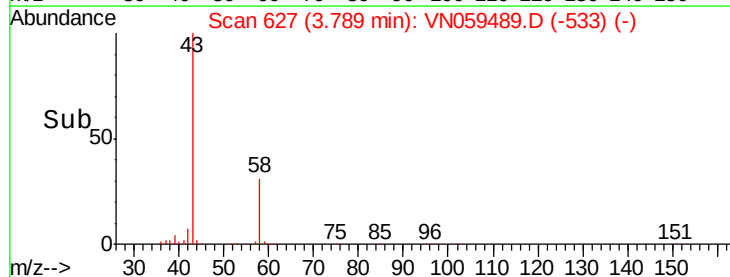
150000

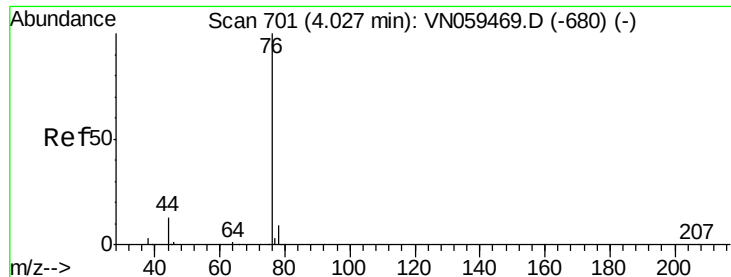
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 30.632 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

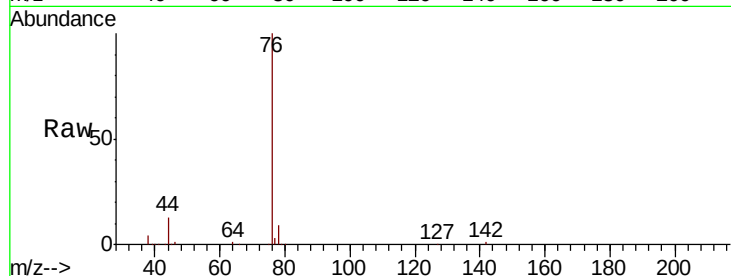
ClientSampled :

Tot Ion: 76 Resp: 438639

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

150000

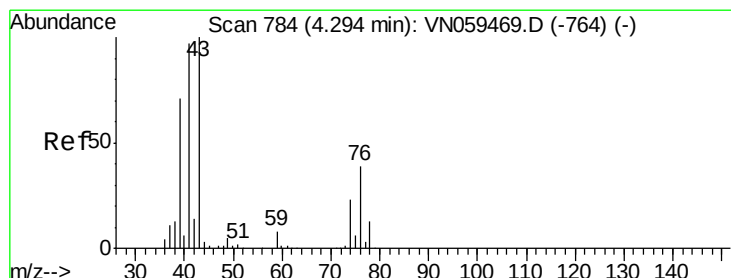
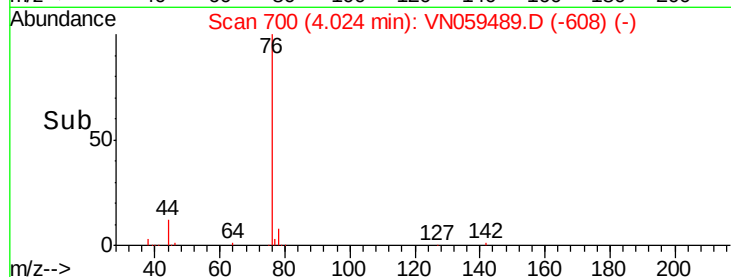
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 31.111 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059489.D

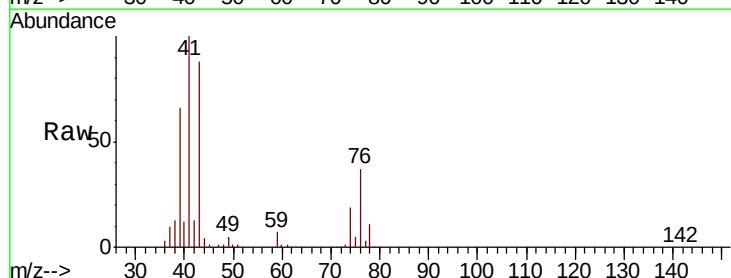
Acq: 4 Dec 2019 17:27

Tgt Ion: 43 Resp: 210513

Ion Ratio Lower Upper

43 100

74 22.6 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

80000

60000

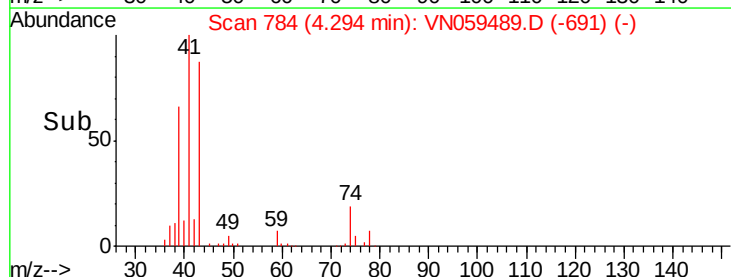
40000

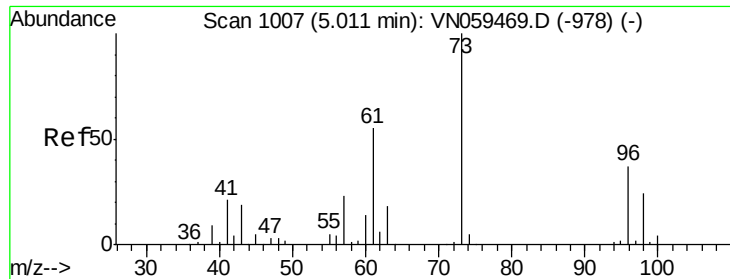
20000

0

Time-->

4.20 4.30 4.40 4.50

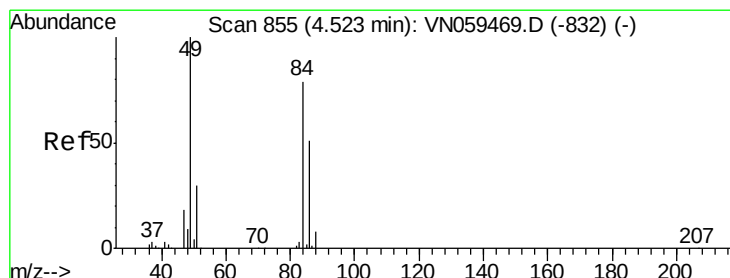
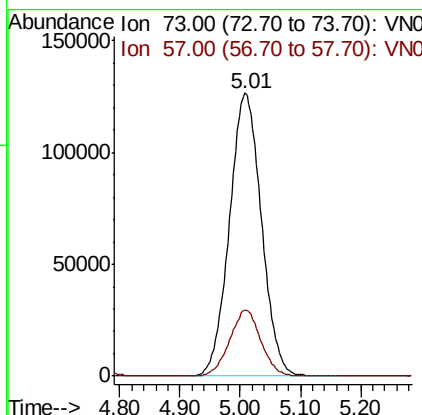
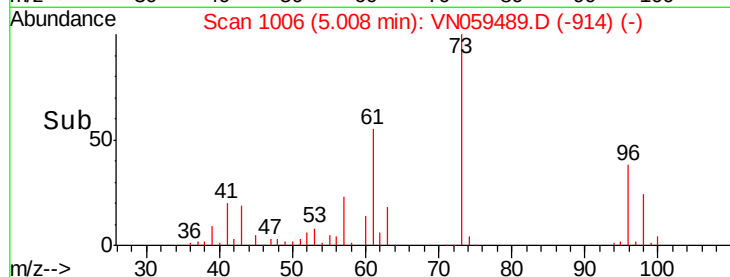
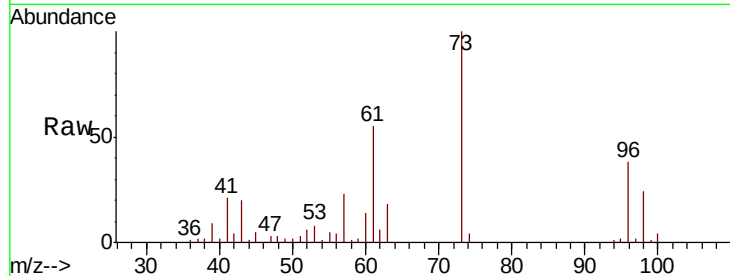




#19
Methyl tert-butyl Ether
Concen: 32.782 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

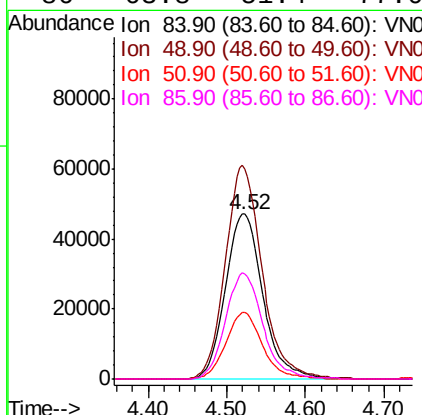
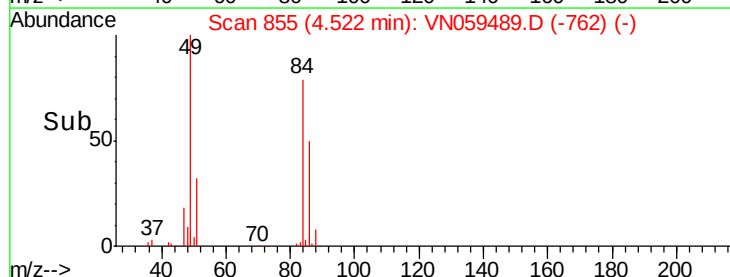
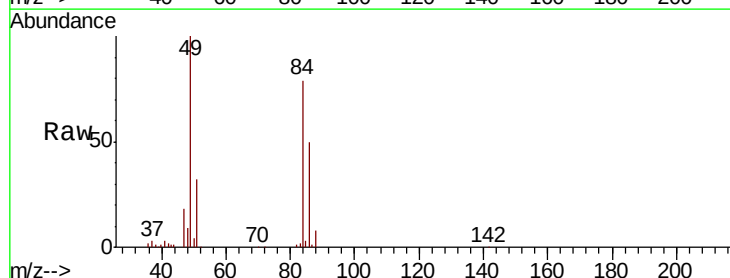
Instrument :
MSVOA_N
ClientSampled :

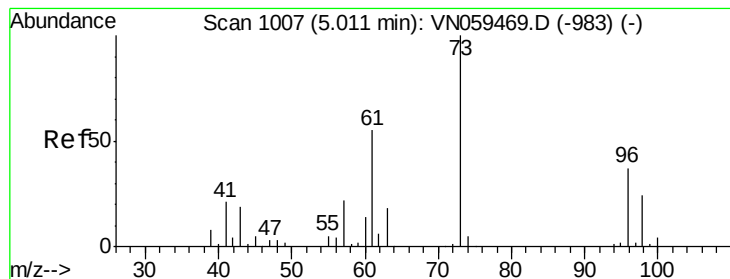
Tot Ion: 73 Resp: 468898
Ion Ratio Lower Upper
73 100
57 23.3 18.0 27.0



#20
Methylene Chloride
Concen: 32.571 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 84 Resp: 156181
Ion Ratio Lower Upper
84 100
49 127.0 101.1 151.7
51 40.4 30.7 46.1
86 63.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 32.358 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

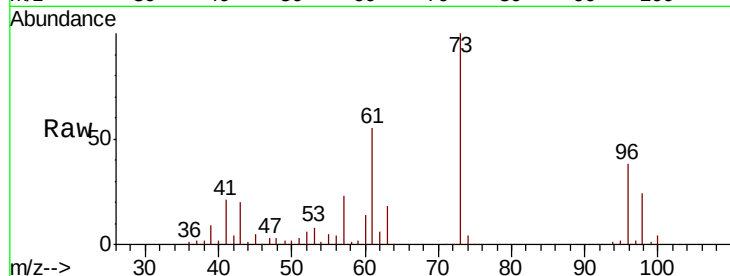
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 96 Resp: 151947

Ion	Ratio	Lower	Upper
96	100		
61	144.0	118.9	178.3
98	62.5	51.6	77.4

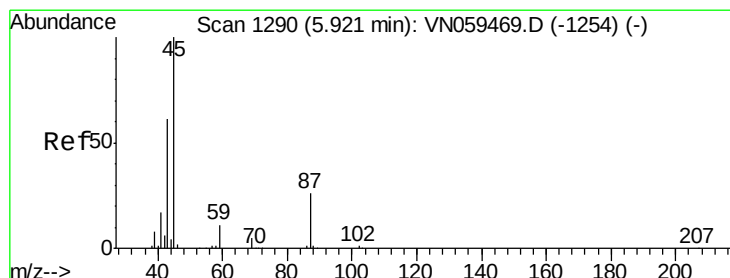
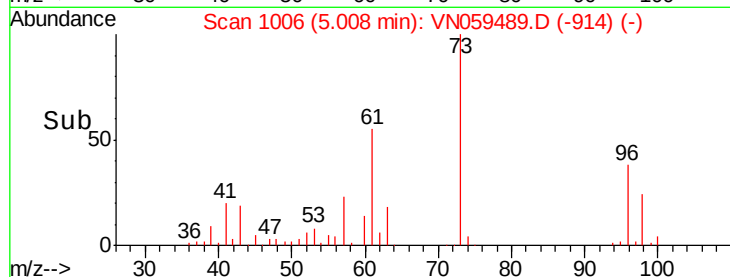
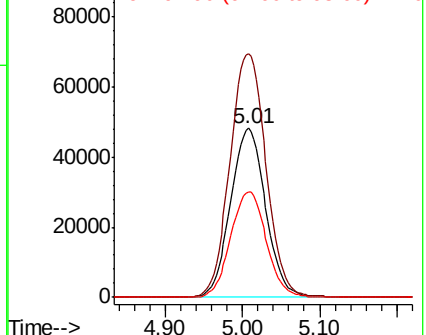


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 33.334 ug/l

RT: 5.92 min Scan# 1289

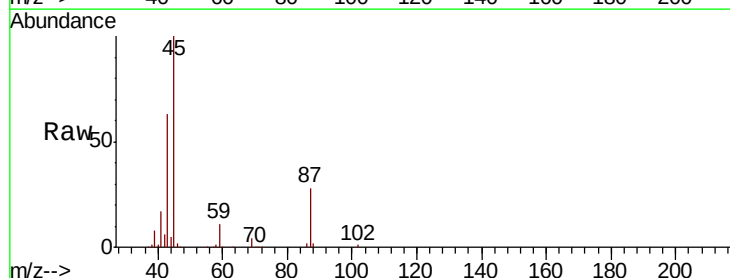
Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Tgt Ion: 45 Resp: 512849

Ion	Ratio	Lower	Upper
45	100		
43	62.3	49.1	73.7
87	27.6	21.6	32.4
59	11.2	9.0	13.4



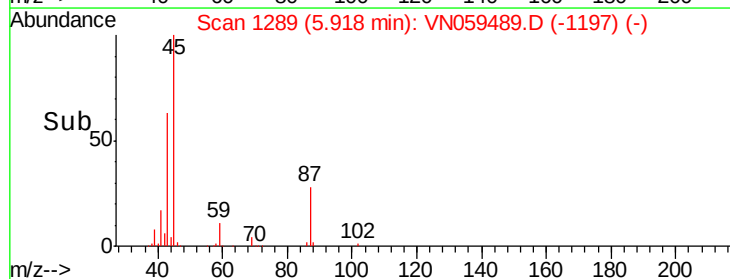
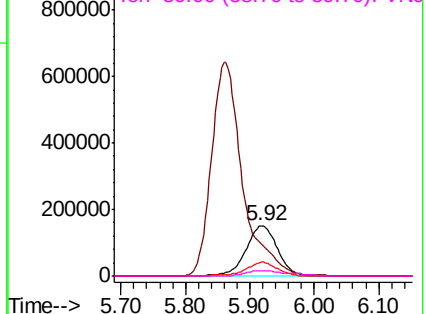
Abundance

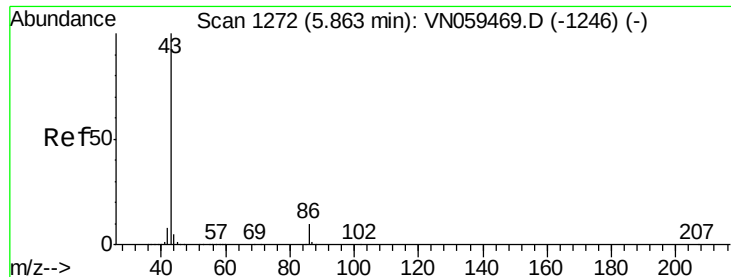
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 174.227 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

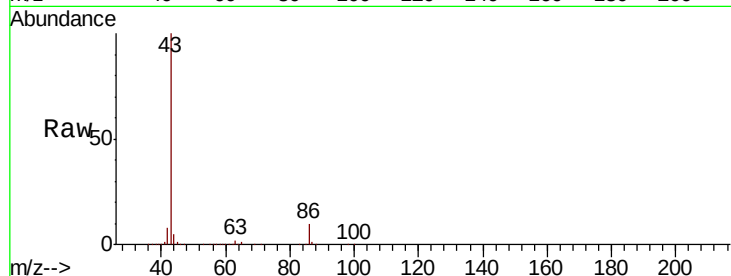
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2150875

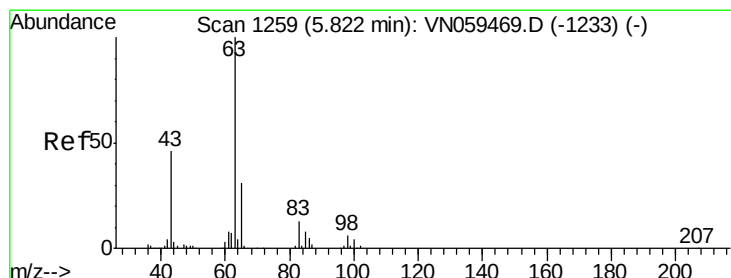
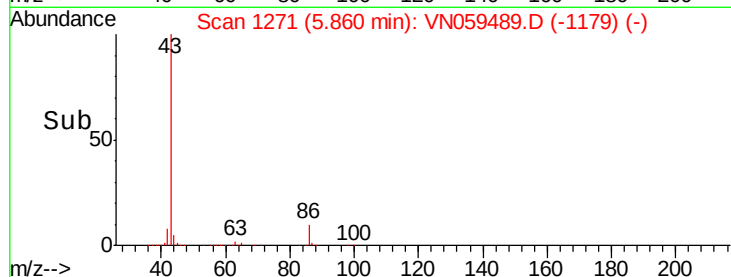
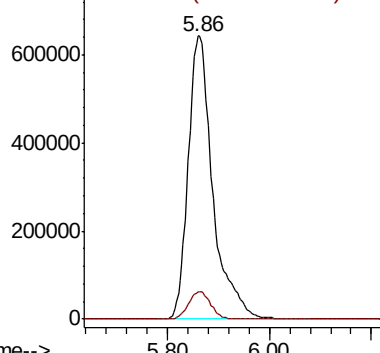
Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 32.977 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

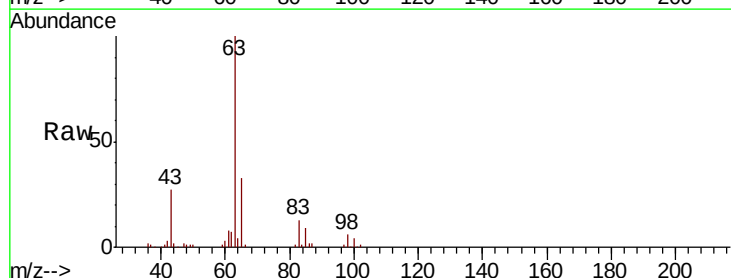
Tgt Ion: 63 Resp: 288214

Ion Ratio Lower Upper

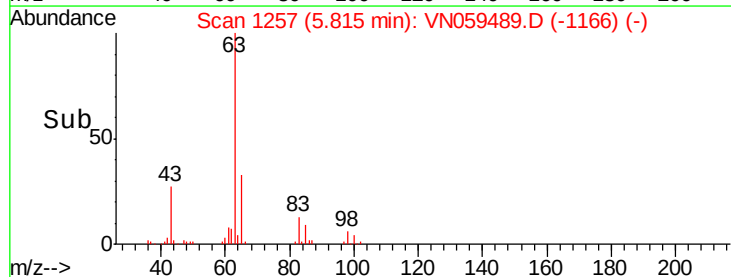
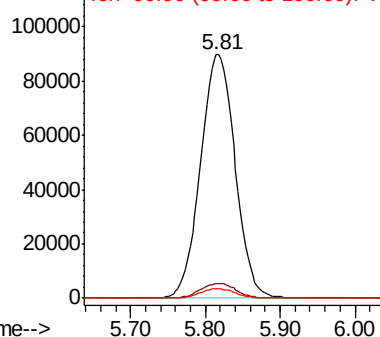
63 100

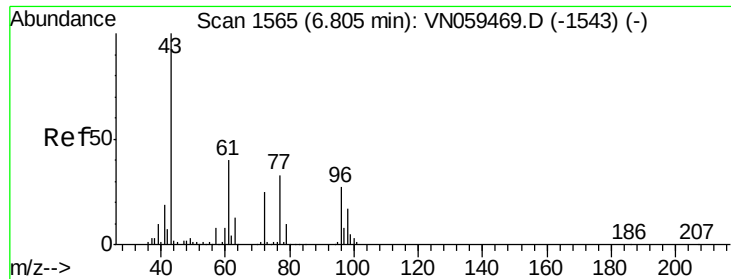
98 5.9 3.2 9.6

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 156.784 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

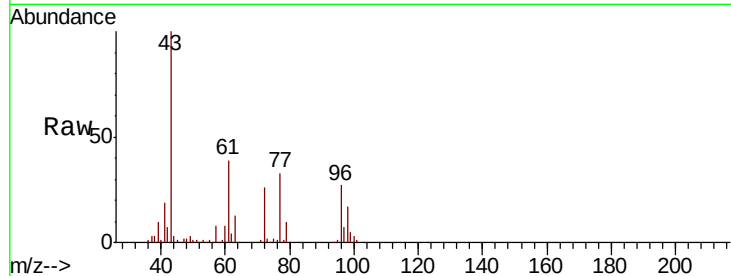
ClientSampled :

Tot Ion: 43 Resp: 598992

Ion Ratio Lower Upper

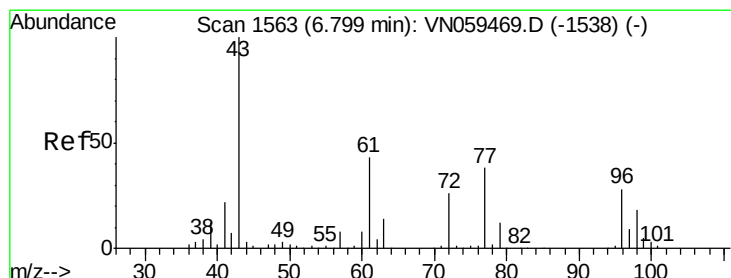
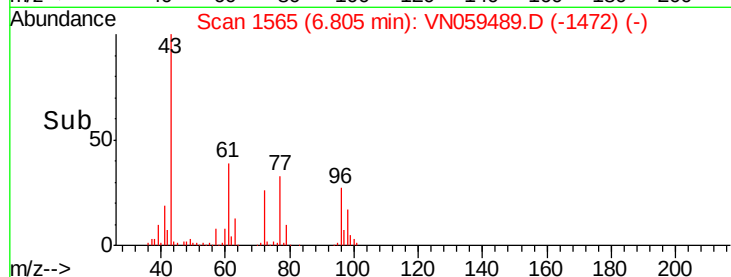
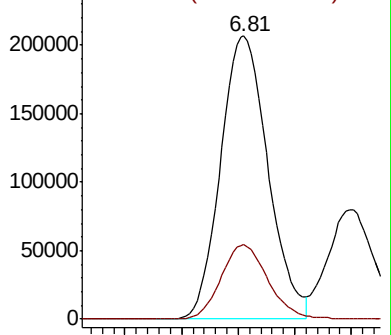
43 100

72 26.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 33.196 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059489.D

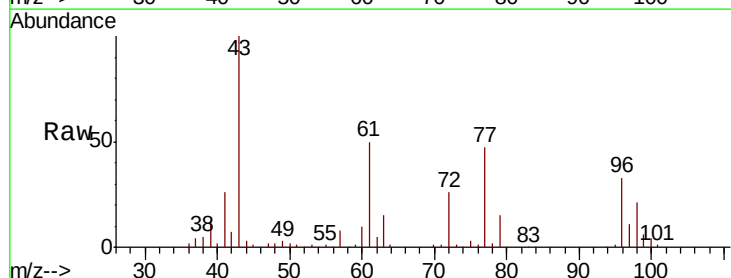
Acq: 4 Dec 2019 17:27

Tgt Ion: 77 Resp: 250936

Ion Ratio Lower Upper

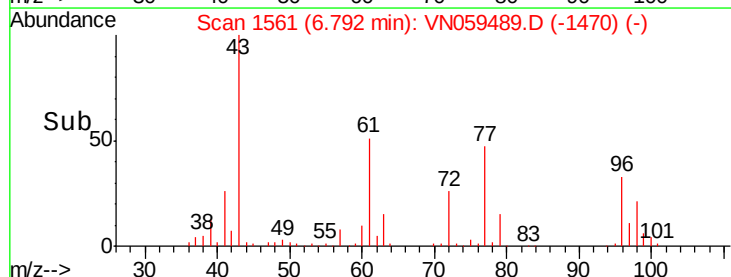
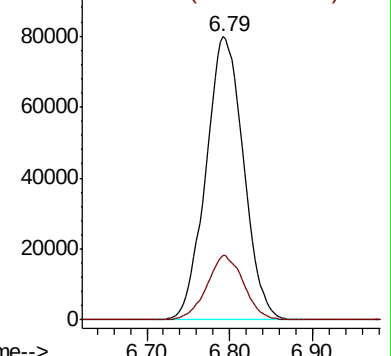
77 100

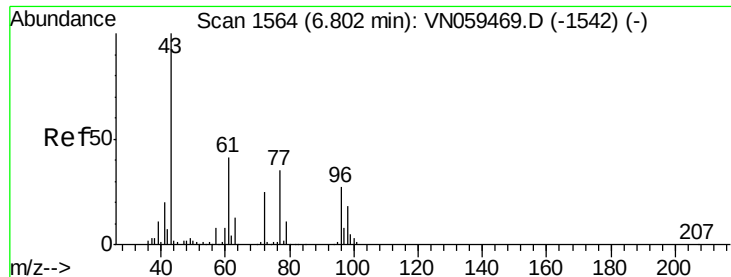
97 22.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 32.535 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :
MSVOA_N
ClientSampled :

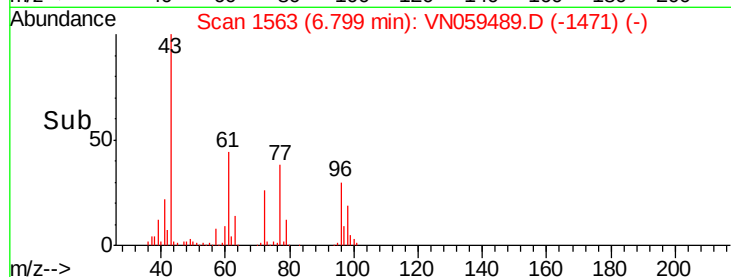
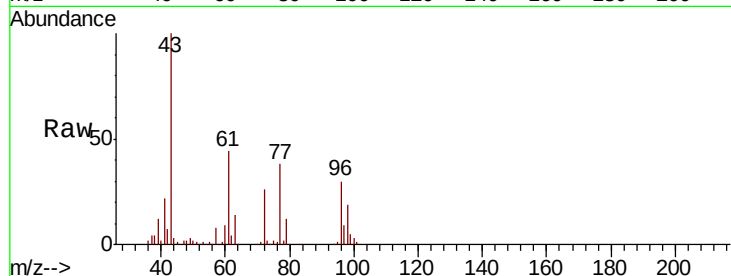
Tot Ion: 96 Resp: 169675

Ion Ratio Lower Upper

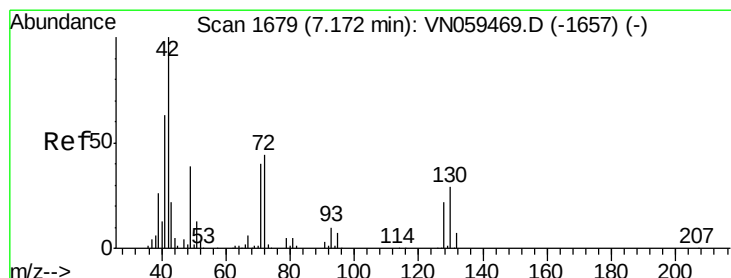
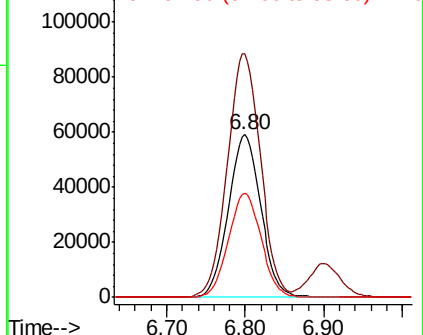
96 100

61 152.8 0.0 307.4

98 64.4 0.0 129.2



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



#28

Bromochloromethane

Concen: 42.619 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

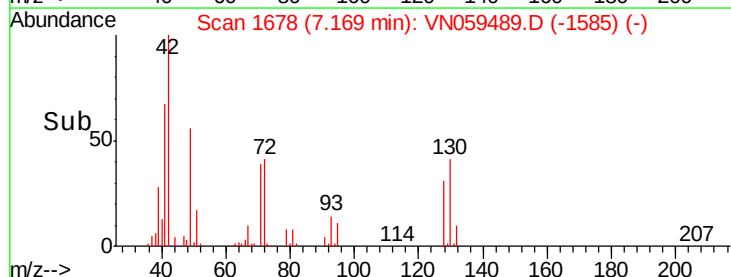
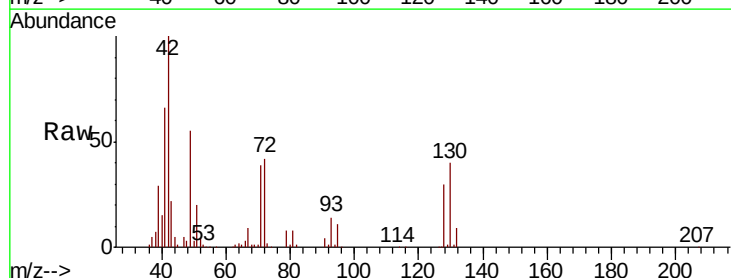
Tgt Ion: 49 Resp: 144719

Ion Ratio Lower Upper

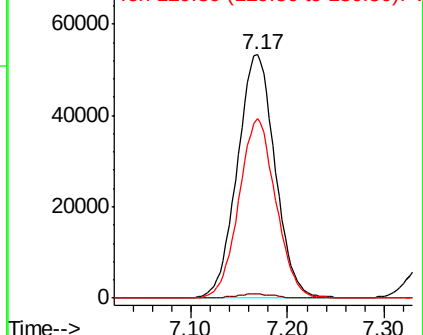
49 100

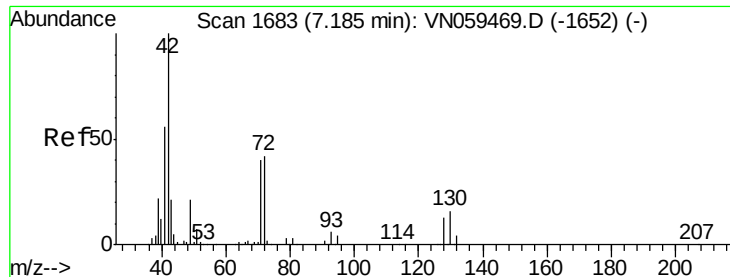
129 1.6 0.0 3.2

130 71.9 58.4 87.6



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





#29

Tetrahydrofuran

Concen: 157.789 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

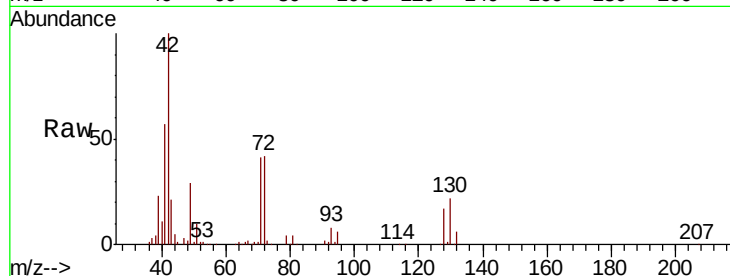
Tot Ion: 42 Resp: 379054

Ion Ratio Lower Upper

42 100

72 42.0 34.2 51.2

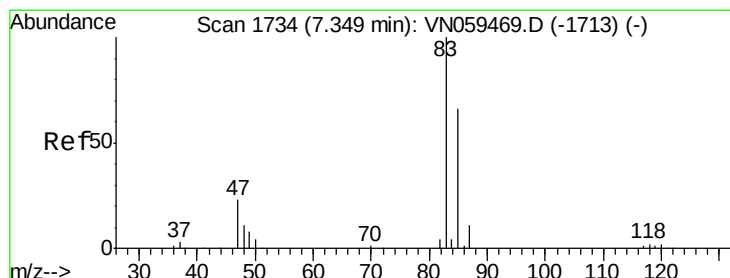
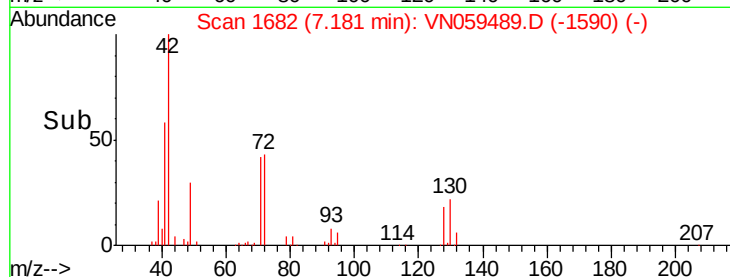
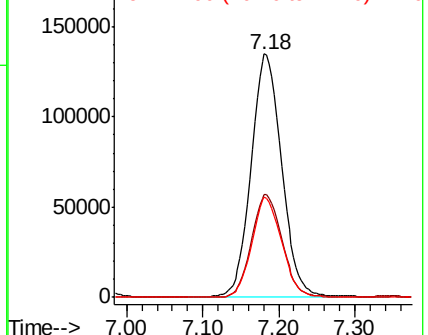
71 40.0 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 36.392 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059489.D

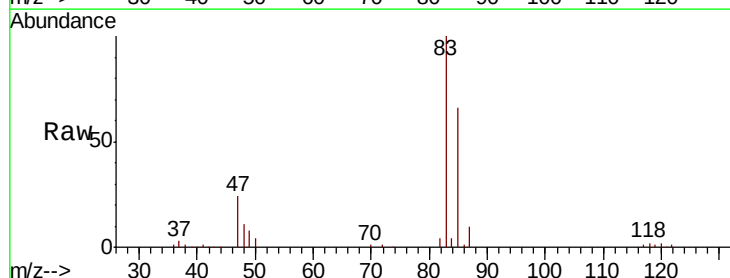
Acq: 4 Dec 2019 17:27

Tgt Ion: 83 Resp: 307098

Ion Ratio Lower Upper

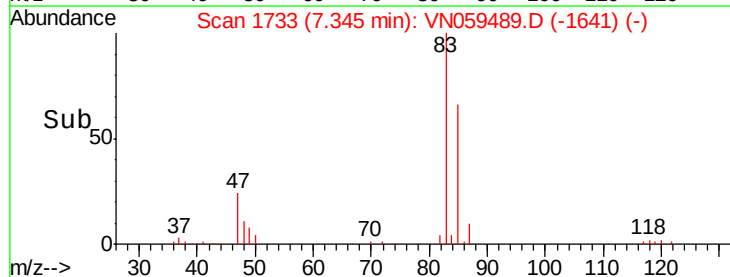
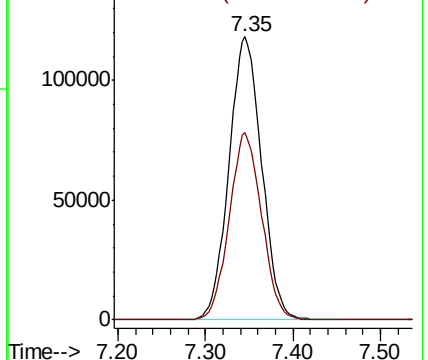
83 100

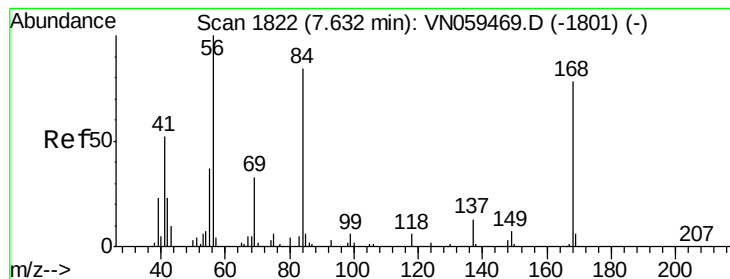
85 66.2 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 32.093 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

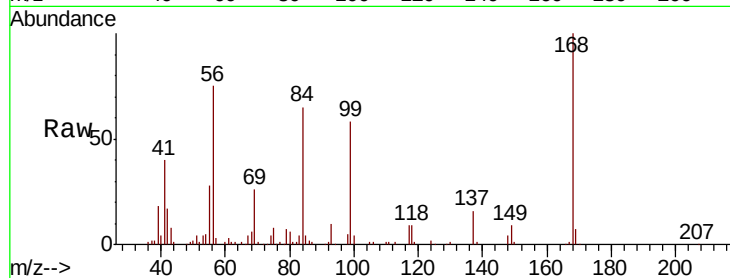
Tot Ion: 56 Resp: 271777

Ion Ratio Lower Upper

56 100

69 33.8 26.2 39.4

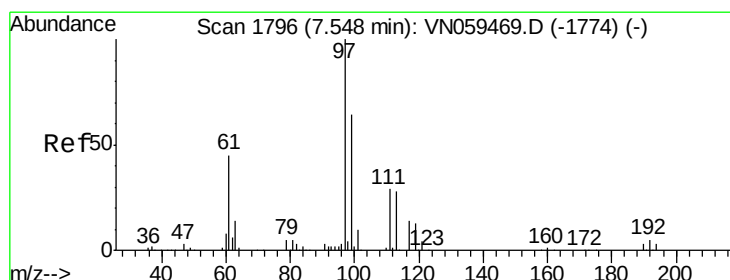
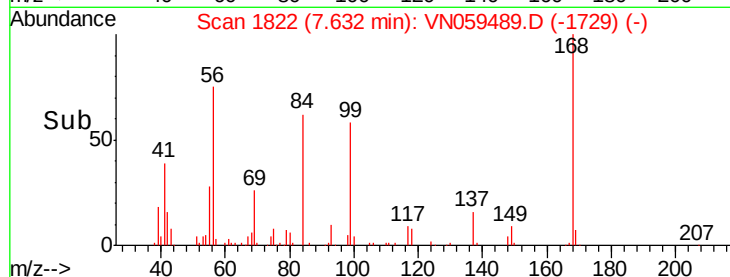
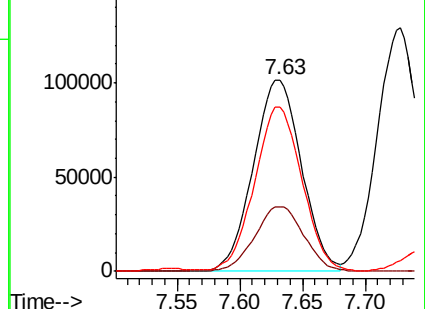
84 85.2 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VN059469.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN059469.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN059469.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 32.322 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

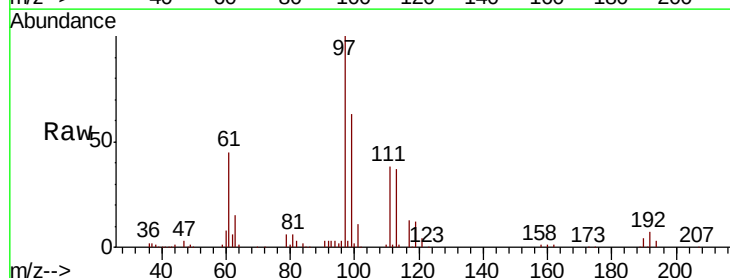
Tgt Ion: 97 Resp: 237066

Ion Ratio Lower Upper

97 100

99 63.4 51.7 77.5

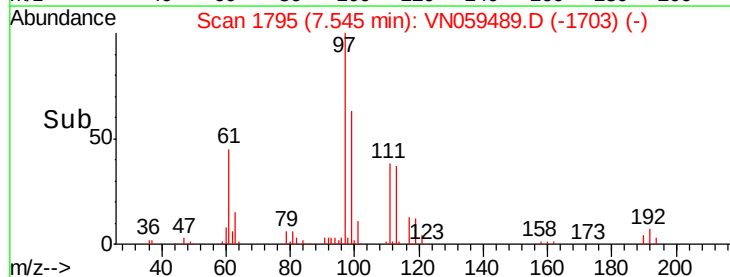
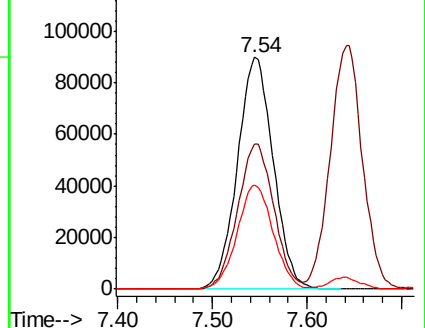
61 45.1 35.4 53.0

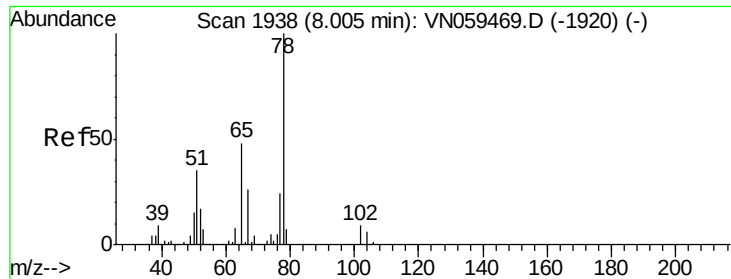


Abundance Ion 96.90 (96.60 to 97.60): VN059469.D (-1774) (-)

Ion 98.90 (98.60 to 99.60): VN059469.D (-1774) (-)

Ion 60.90 (60.60 to 61.60): VN059469.D (-1774) (-)

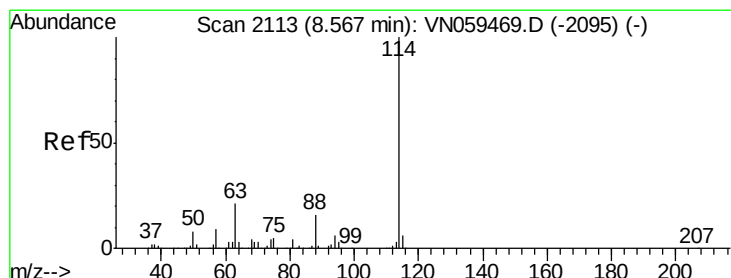
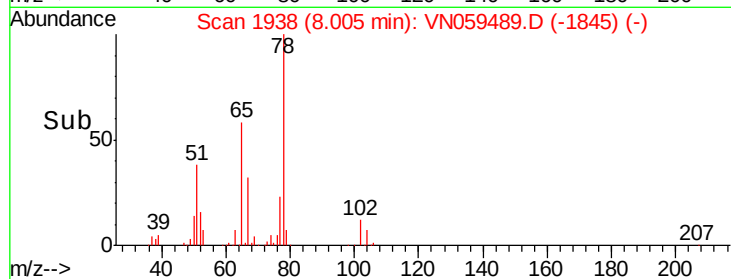
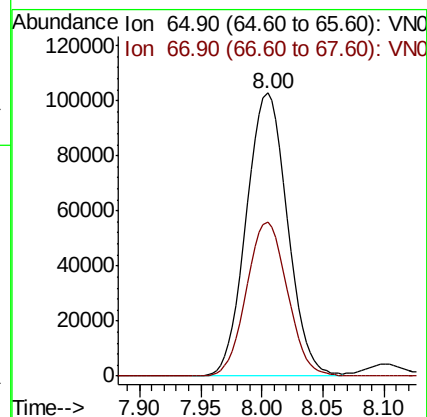
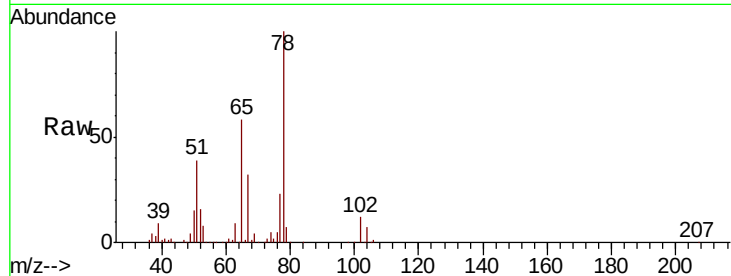




#33
 1,2-Dichloroethane-d4
 Concen: 47.796 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

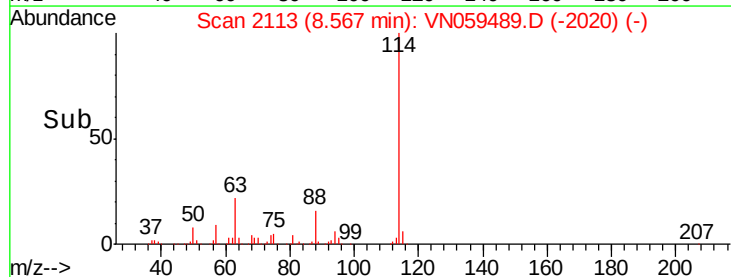
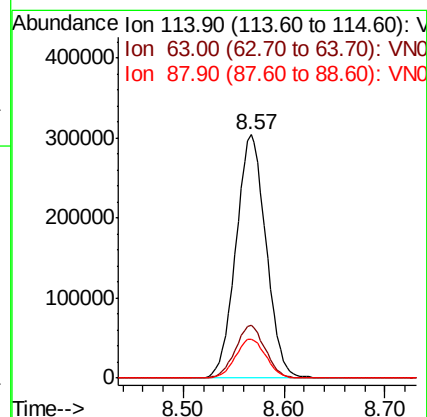
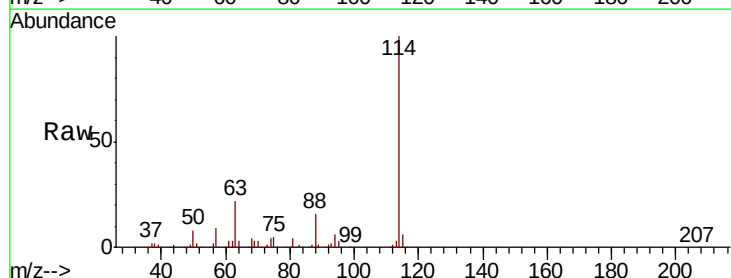
Instrument :
 MSVOA_N
 ClientSampled :

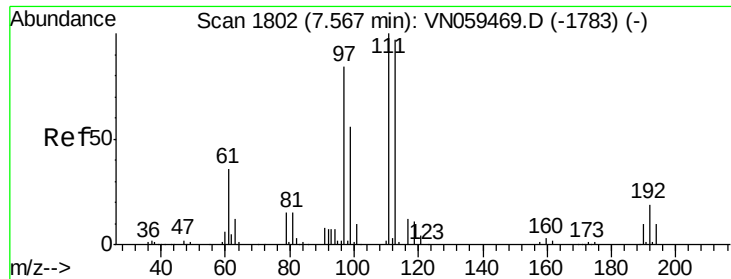
Tot Ion: 65 Resp: 240245
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion: 114 Resp: 629914
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.4
 88 16.0 0.0 32.8

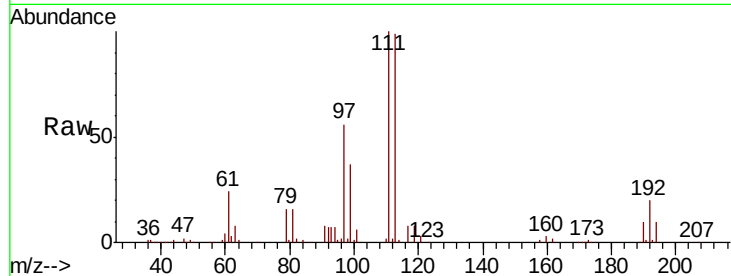




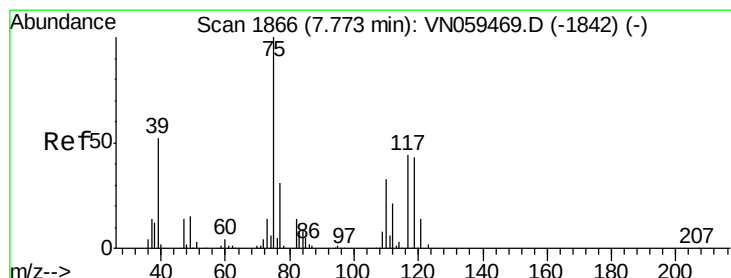
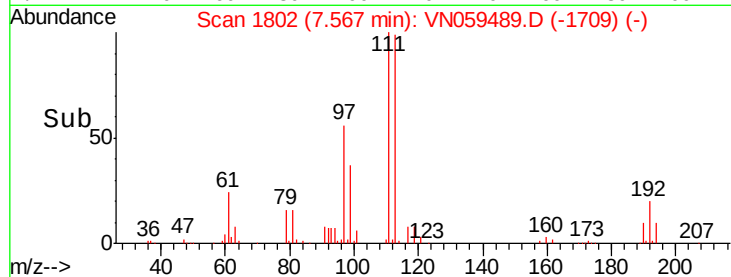
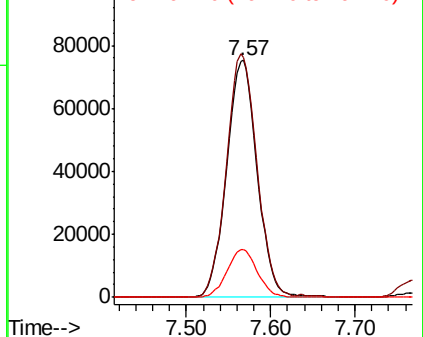
#35
 Dibromofluoromethane
 Concen: 48.328 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.5	123.7
192	19.9	16.1	24.1

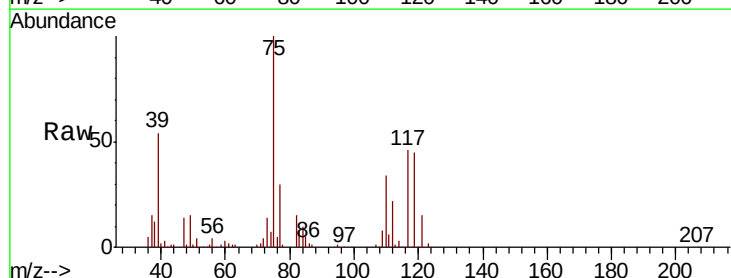


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

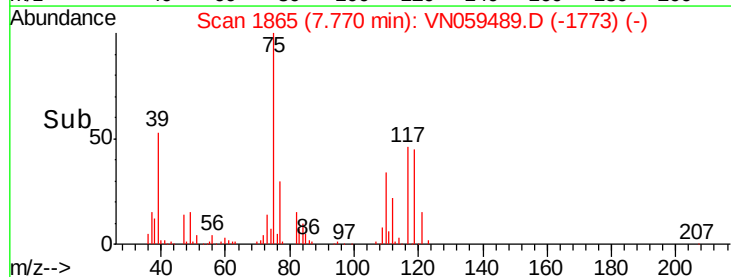
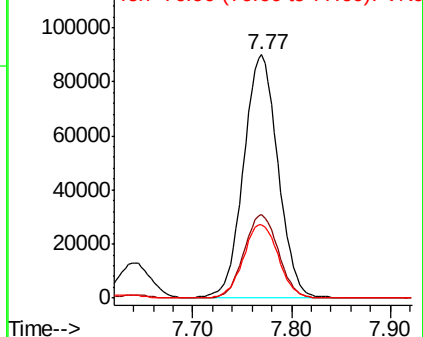


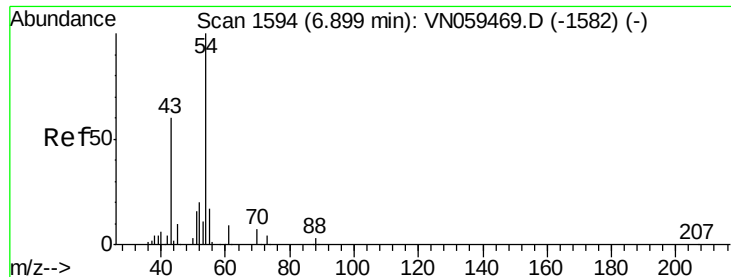
#36
 1,1-Dichloropropene
 Concen: 32.858 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.7
77	31.0	25.1	37.7



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

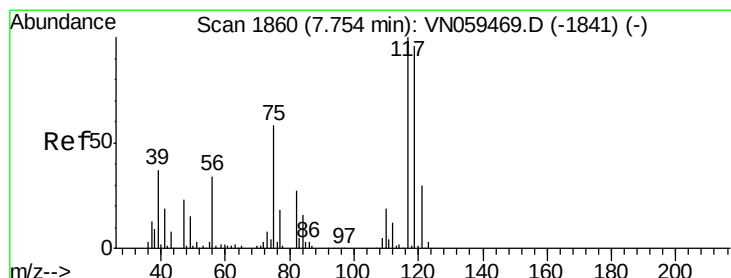
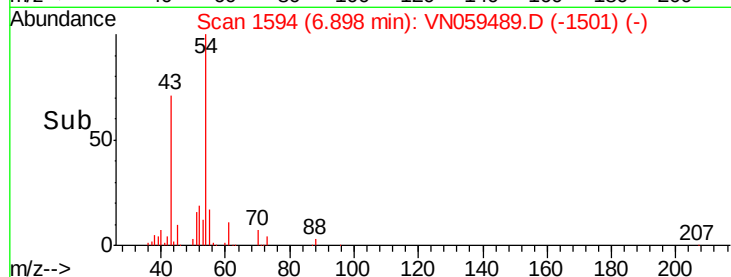
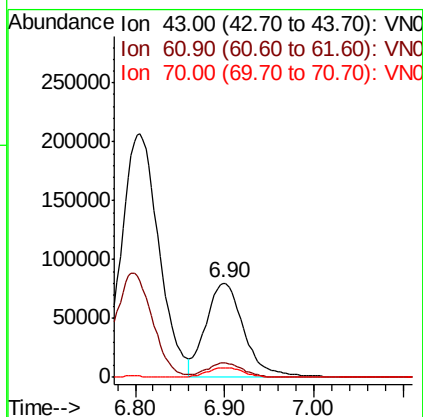
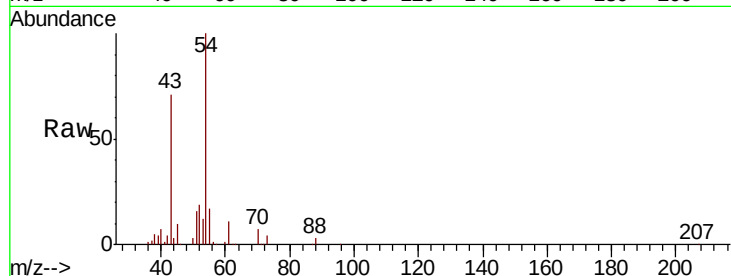




#37
Ethyl Acetate
Concen: 31.801 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

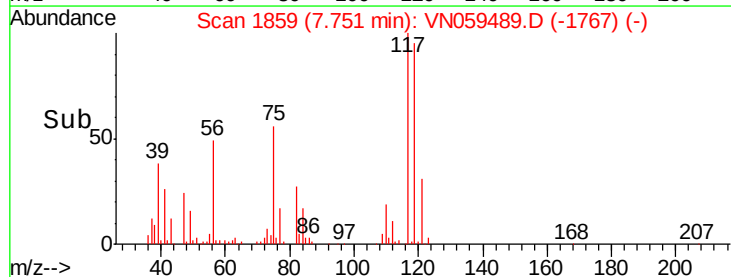
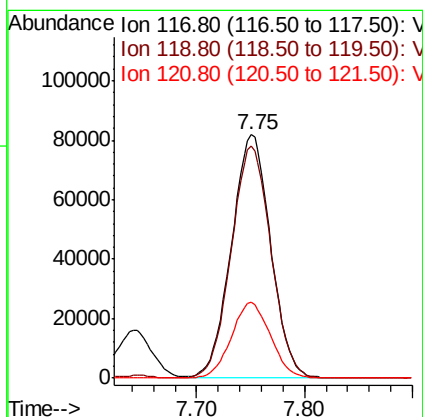
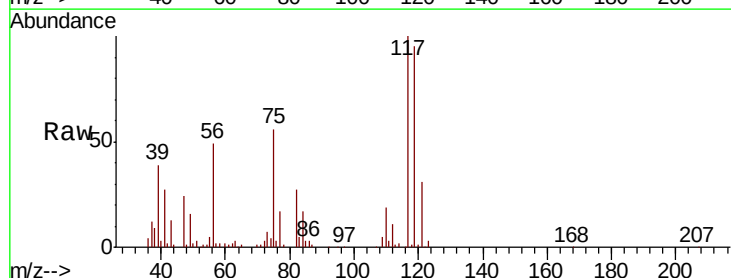
Instrument :
MSVOA_N
ClientSampled :

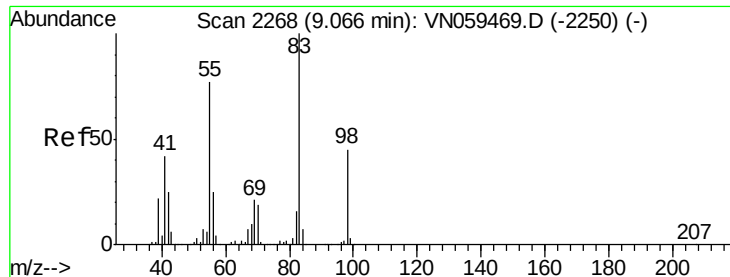
Tot Ion: 43 Resp: 232844
Ion Ratio Lower Upper
43 100
61 14.4 11.3 16.9
70 10.1 8.3 12.5



#38
Carbon Tetrachloride
Concen: 32.957 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 117 Resp: 207785
Ion Ratio Lower Upper
117 100
119 95.3 76.6 114.8
121 31.0 24.0 36.0

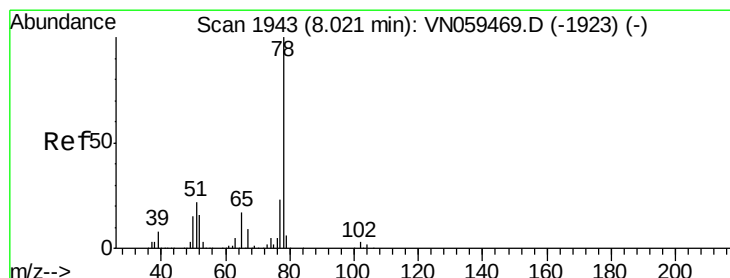
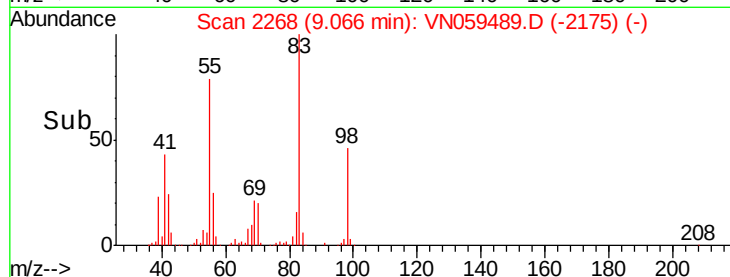
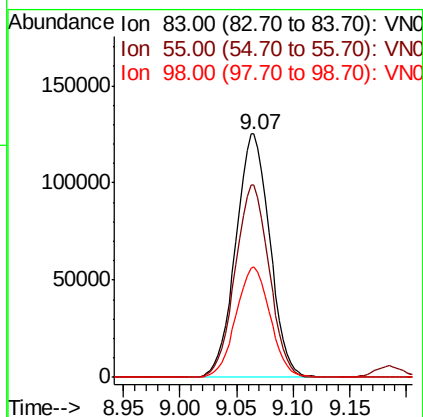
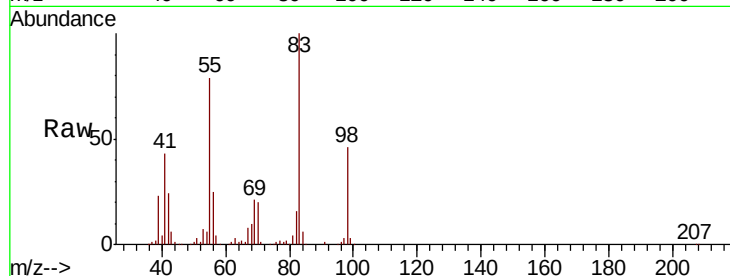




#39
Methylvlcyclohexane
Concen: 33.290 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

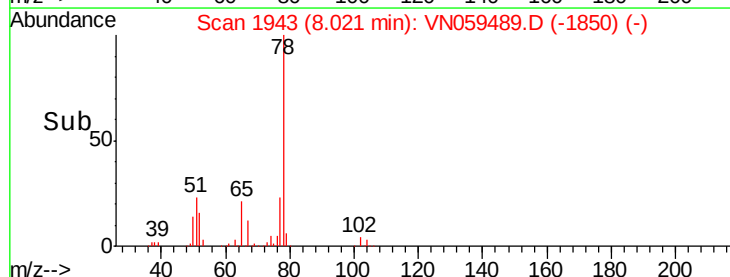
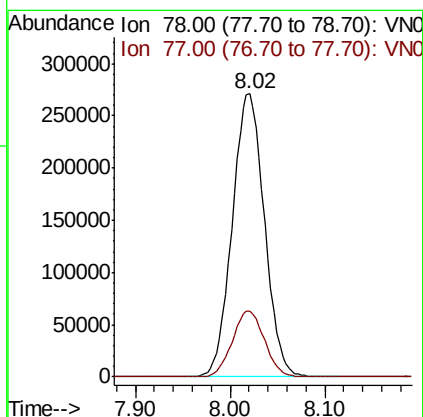
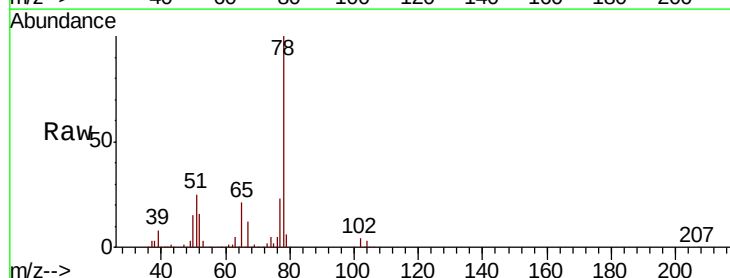
Instrument :
MSVOA_N
ClientSampleId :

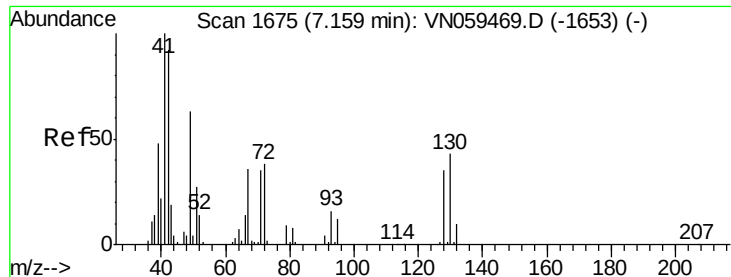
Tot Ion: 83 Resp: 262606
Ion Ratio Lower Upper
83 100
55 78.9 61.8 92.6
98 45.5 36.2 54.2



#40
Benzene
Concen: 33.319 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 78 Resp: 639577
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2

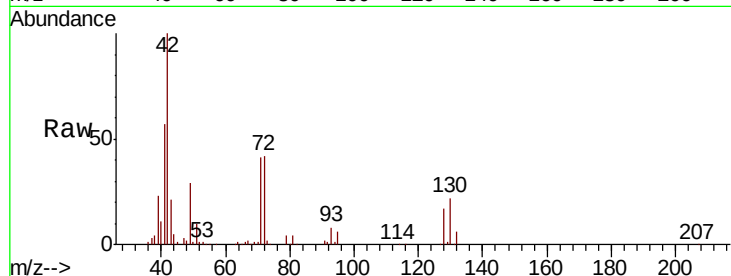




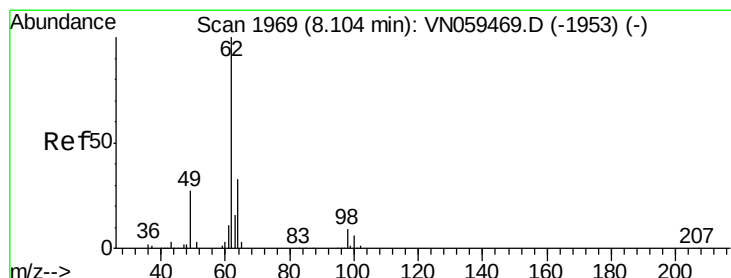
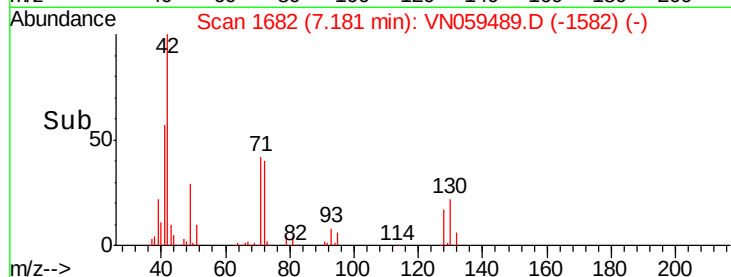
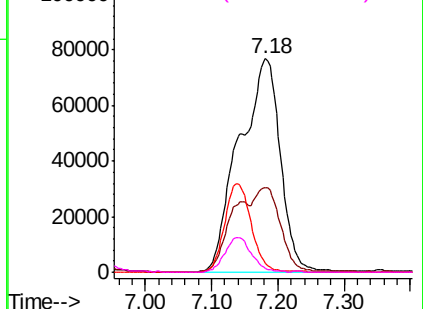
#41
Methacrylonitrile
Concen: 111.636 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	331281
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

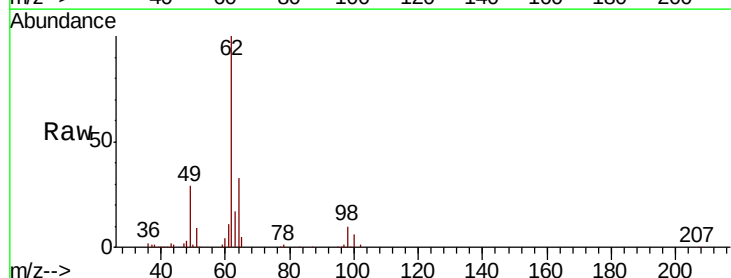


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

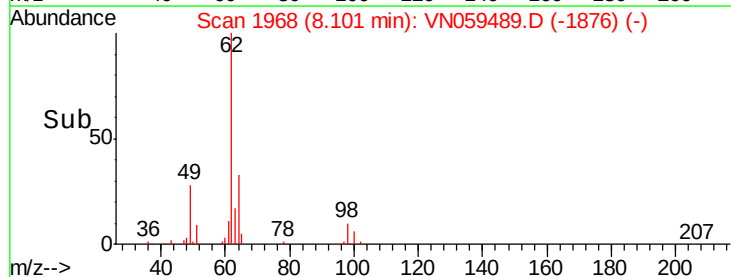
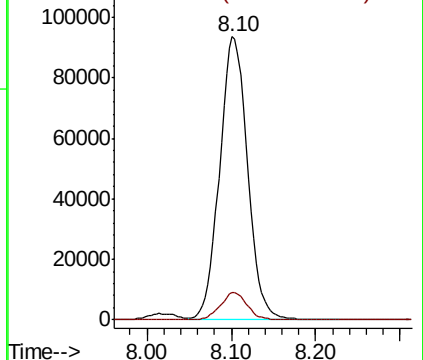


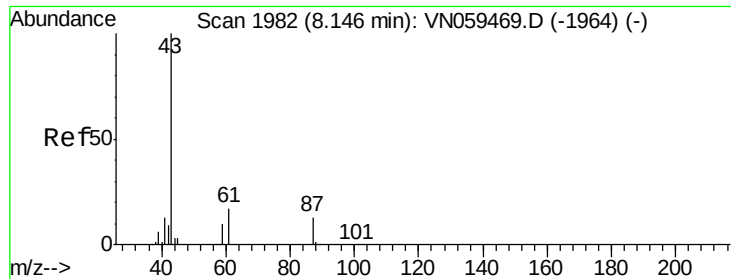
#42
1,2-Dichloroethane
Concen: 33.047 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion:	62	Resp:	215484
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 33.278 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

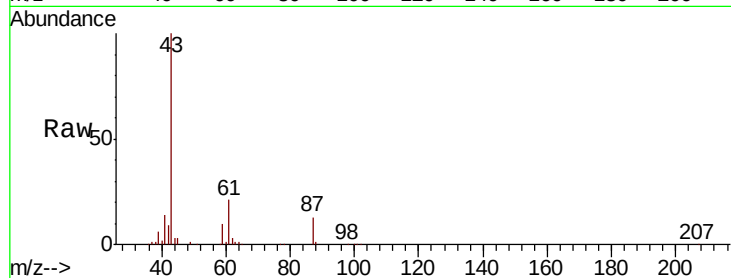
Tot Ion: 43 Resp: 362405

Ion Ratio Lower Upper

43 100

61 27.1 21.0 31.6

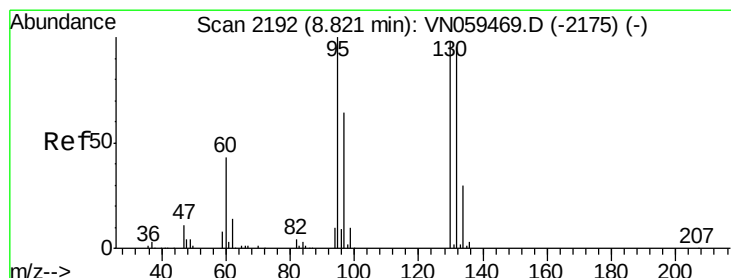
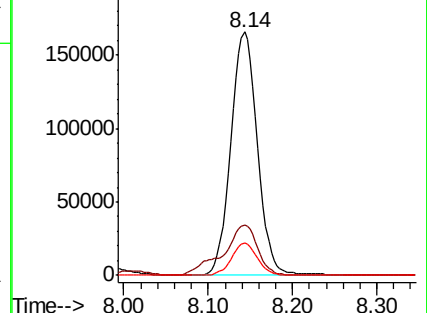
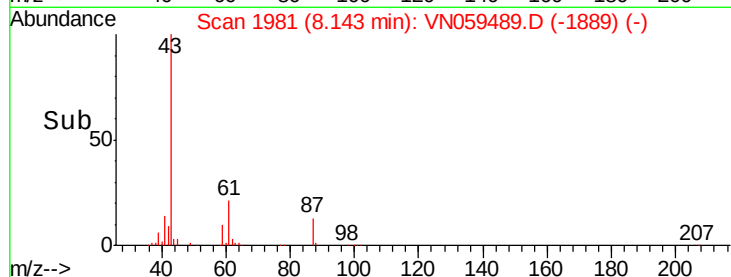
87 12.9 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VN059469.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059469.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059469.D (-1964) (-)



#44

Trichloroethene

Concen: 32.436 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059489.D

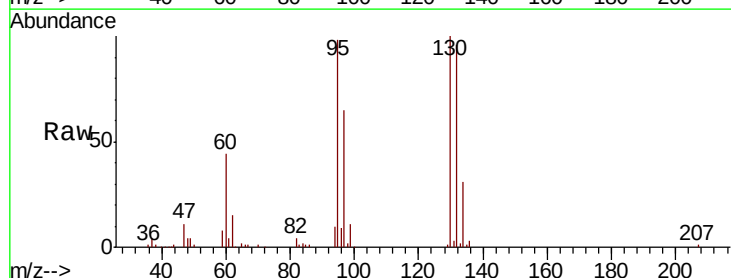
Acq: 4 Dec 2019 17:27

Tgt Ion:130 Resp: 162708

Ion Ratio Lower Upper

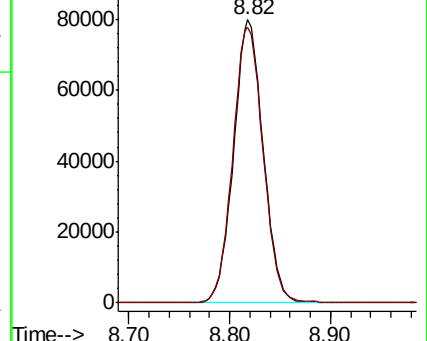
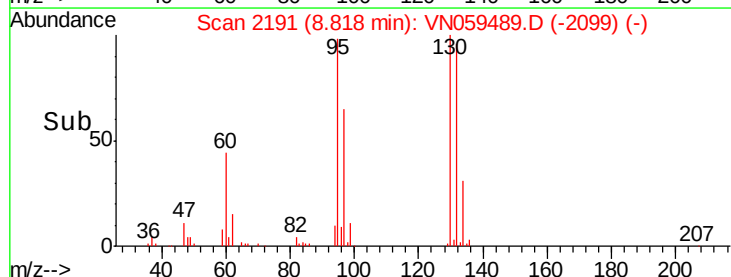
130 100

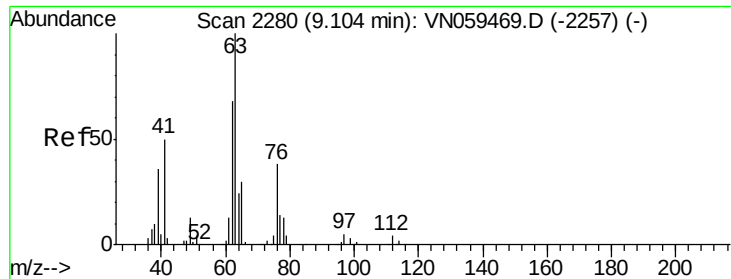
95 97.5 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN059469.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059469.D (-2175) (-)

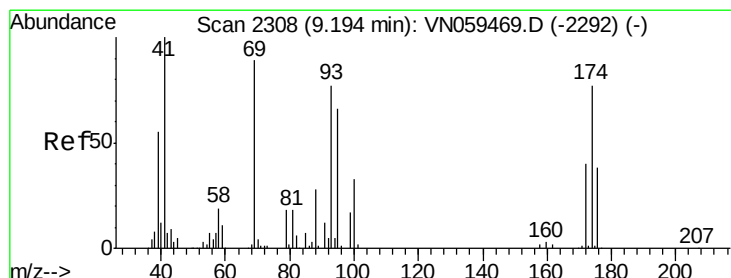
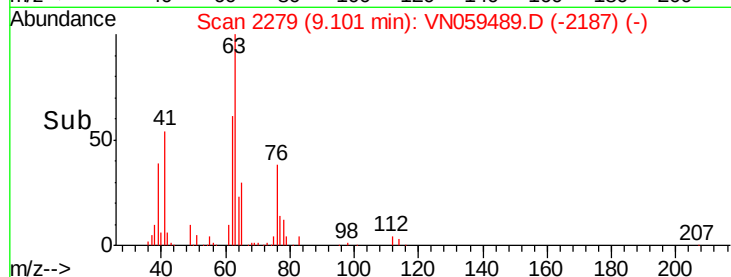
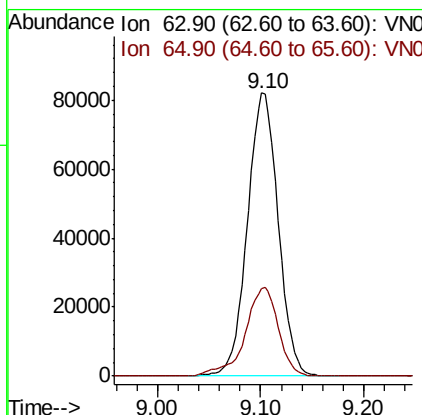
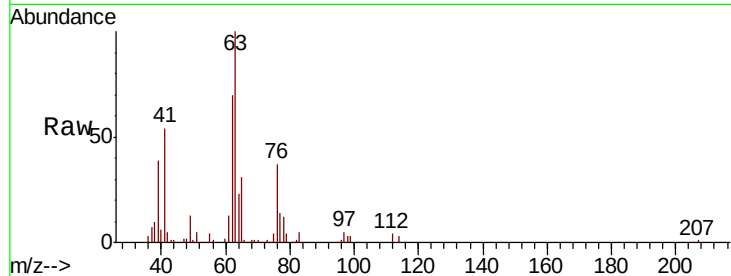




#45
 1,2-Dichloropropane
 Concen: 33.180 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

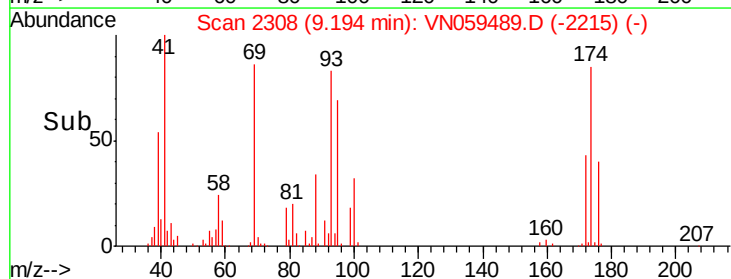
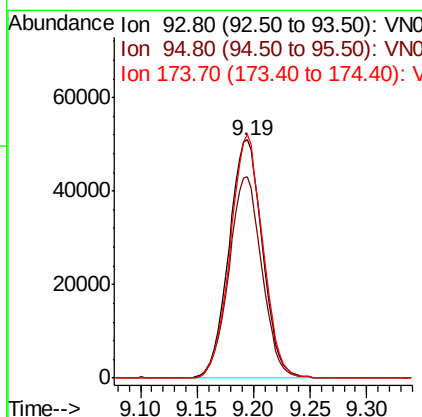
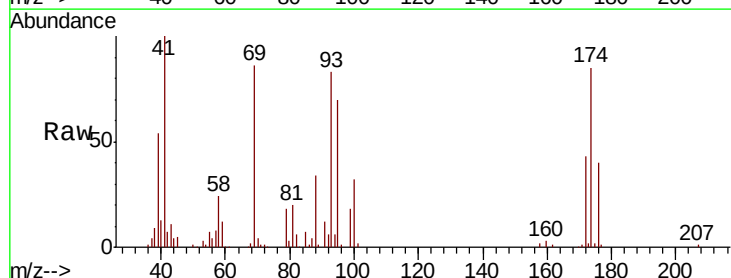
Instrument :
 MSVOA_N
 ClientSampleId :

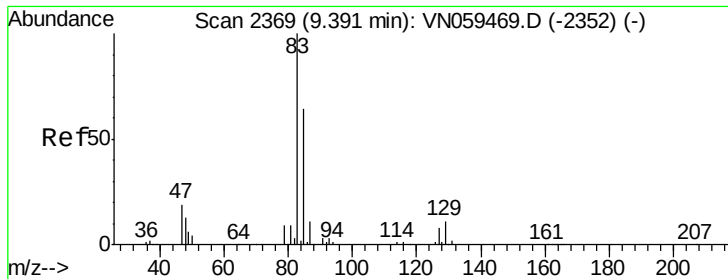
Tot Ion: 63 Resp: 170157
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6



#46
 Dibromomethane
 Concen: 32.998 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion: 93 Resp: 105359
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 99.0 79.6 119.4

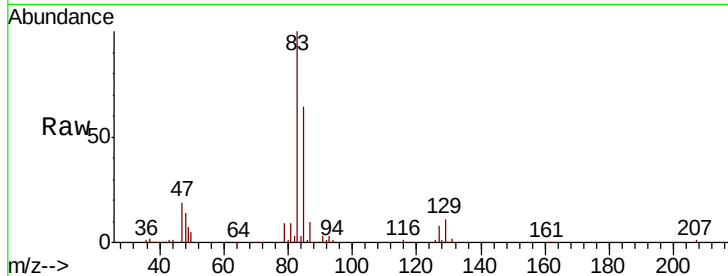




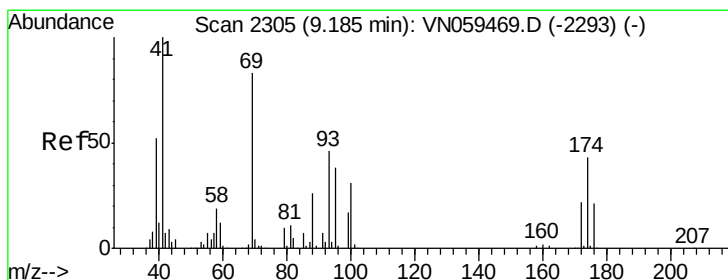
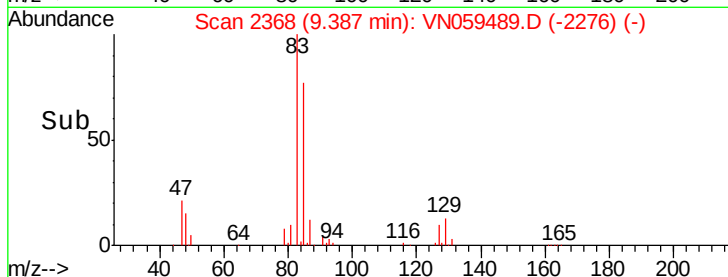
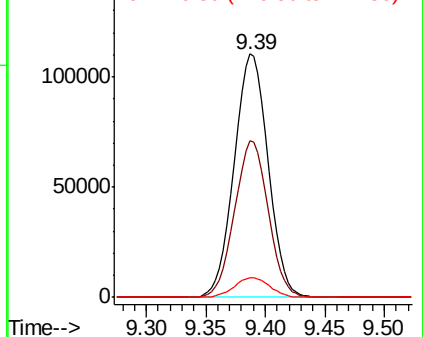
#47
Bromodichloromethane
Concen: 34.070 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 218112
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.6
127 8.1 6.6 9.8

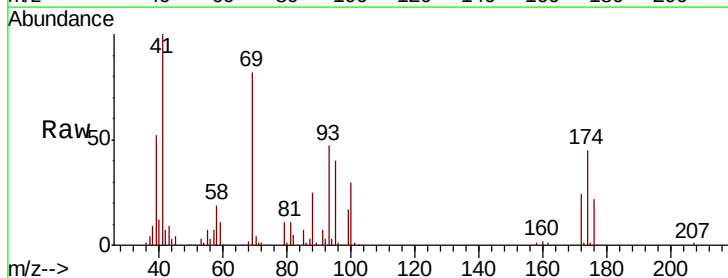


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

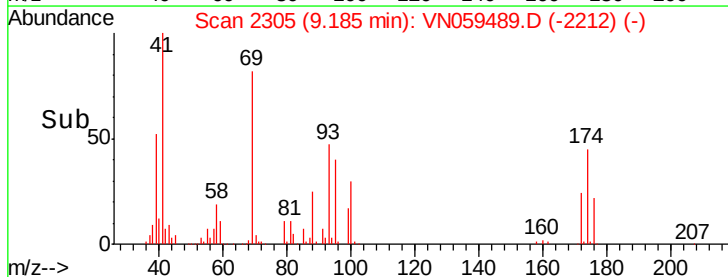
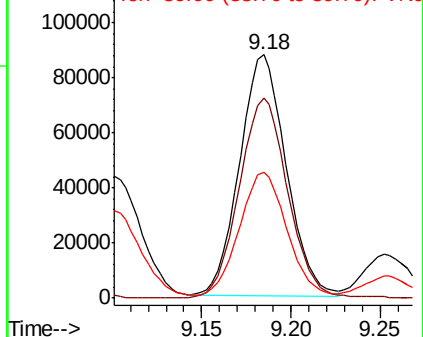


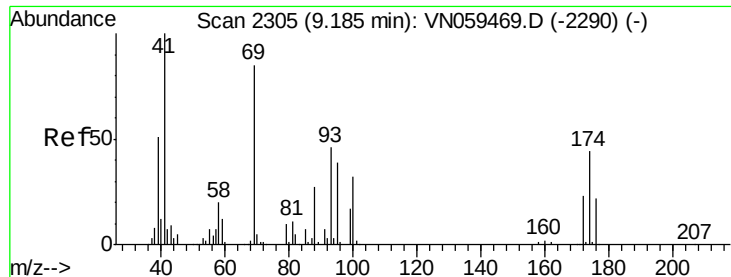
#48
Methyl methacrylate
Concen: 32.414 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 41 Resp: 159254
Ion Ratio Lower Upper
41 100
69 86.9 68.6 103.0
39 54.0 43.2 64.8



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

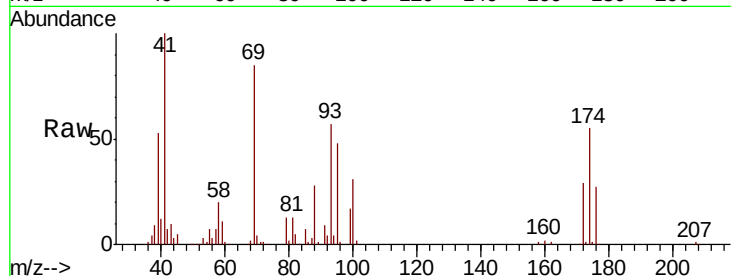




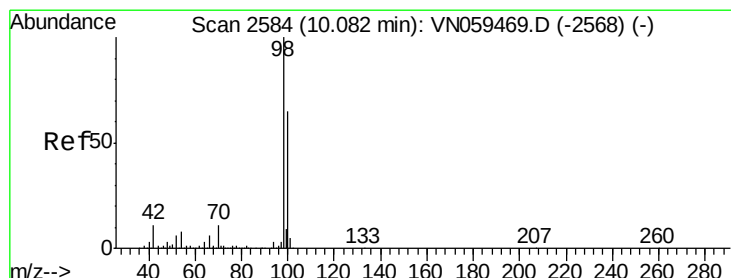
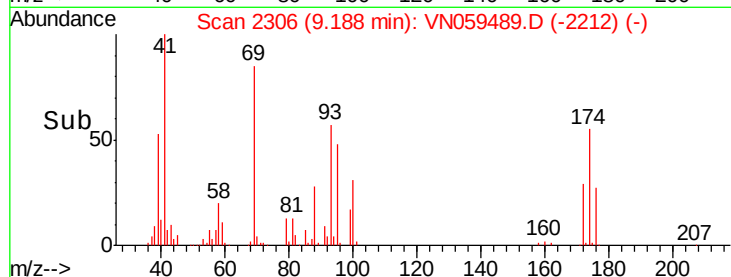
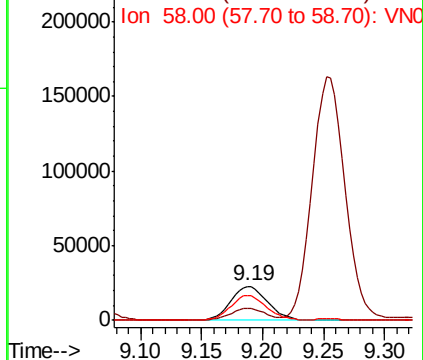
#49
1,4-Dioxane
Concen: 642.629 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 47776
Ion Ratio Lower Upper
88 100
43 33.9 27.1 40.7
58 72.3 57.8 86.6

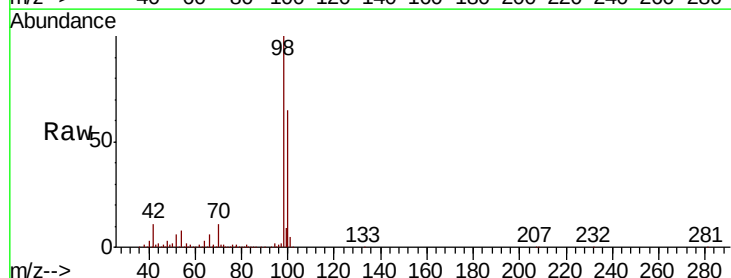


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

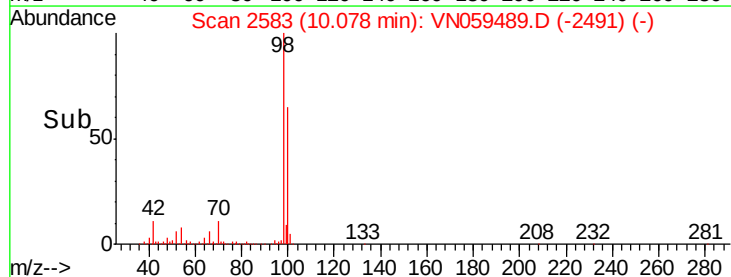
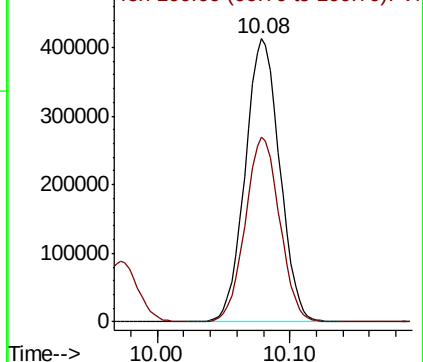


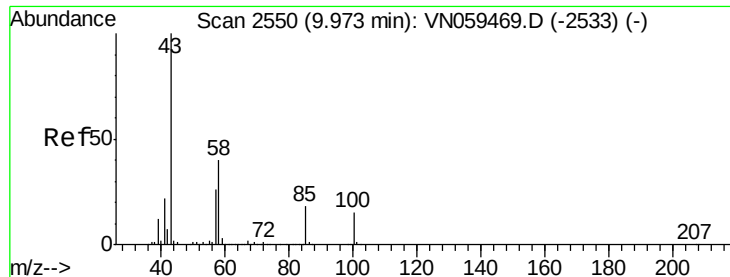
#50
Toluene-d8
Concen: 48.173 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 98 Resp: 745168
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



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: 169.509 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

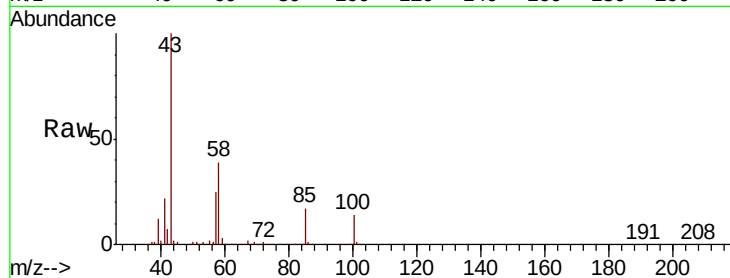
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1095758

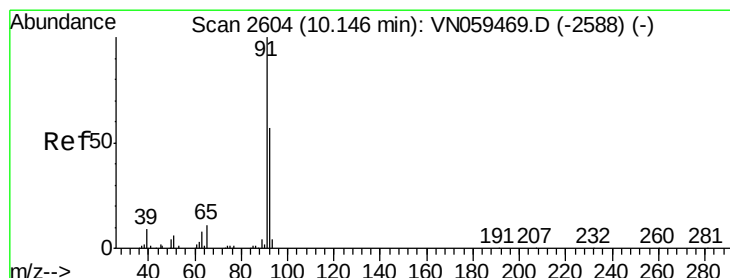
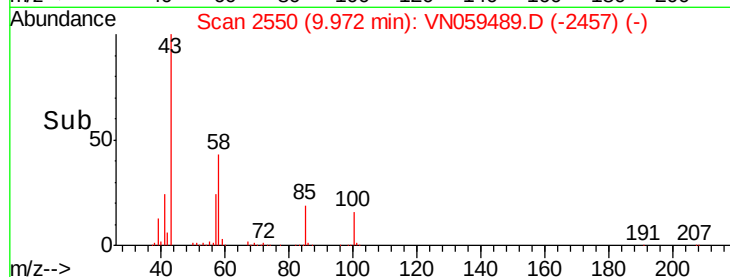
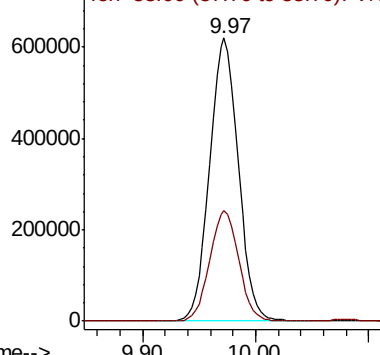
Ion Ratio Lower Upper

43 100

58 39.4 32.1 48.1



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



#52

Toluene

Concen: 33.385 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059489.D

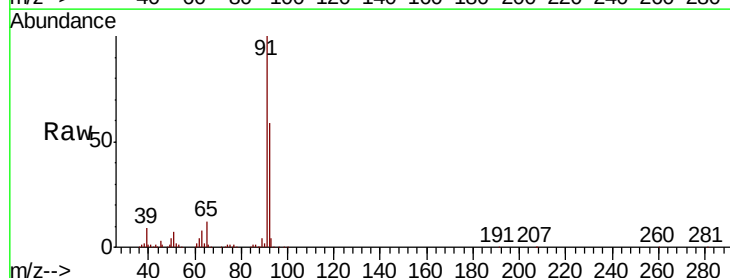
Acq: 4 Dec 2019 17:27

Tgt Ion: 92 Resp: 387576

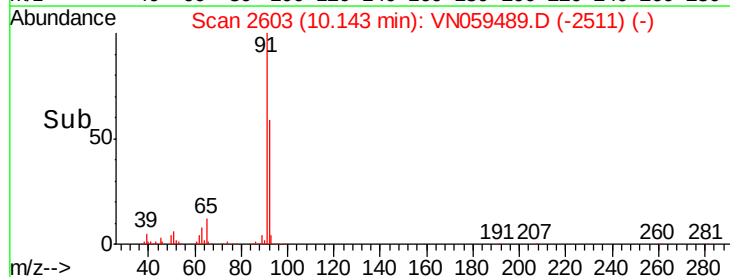
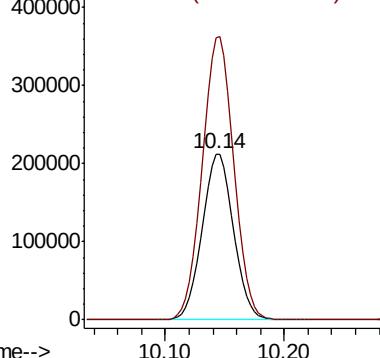
Ion Ratio Lower Upper

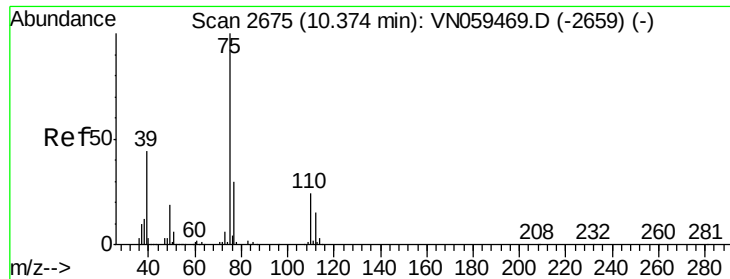
92 100

91 171.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 32.867 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

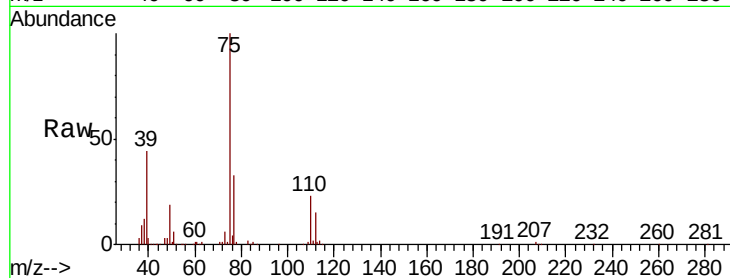
ClientSampleId :

Tot Ion: 75 Resp: 247590

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

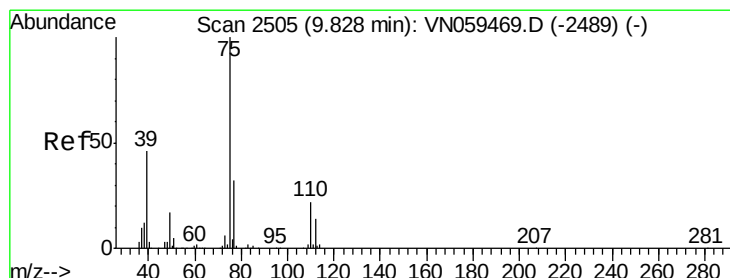
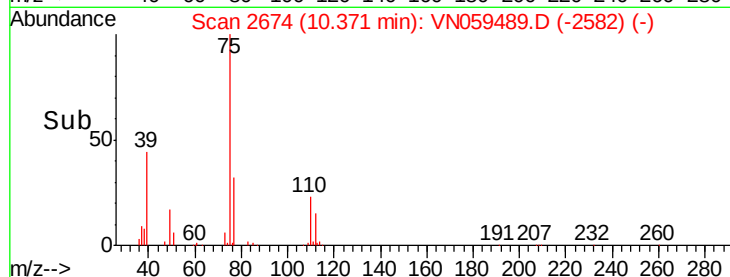
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 33.854 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

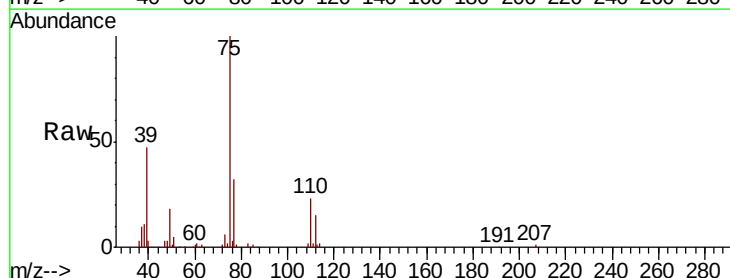
Tgt Ion: 75 Resp: 270311

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 46.7 36.6 54.8



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

200000

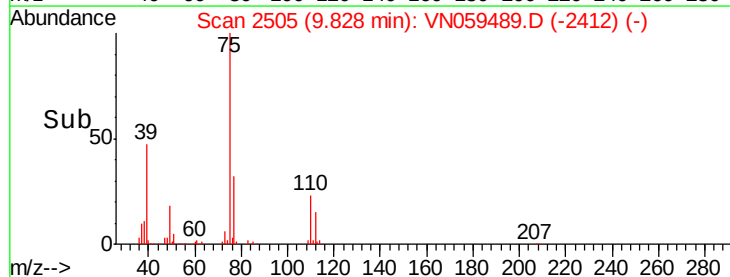
150000

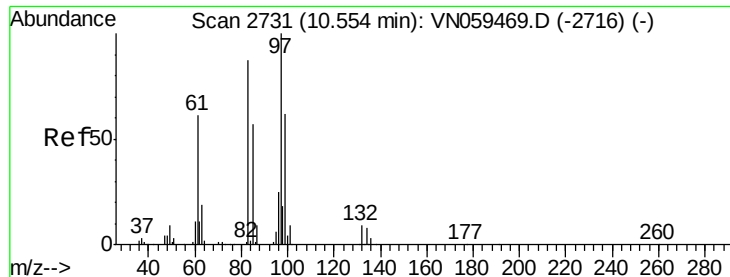
100000

50000

0

Time-->

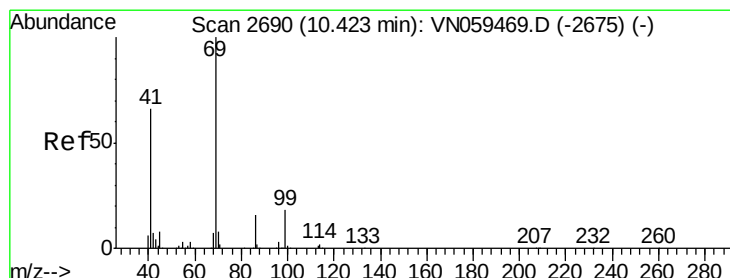
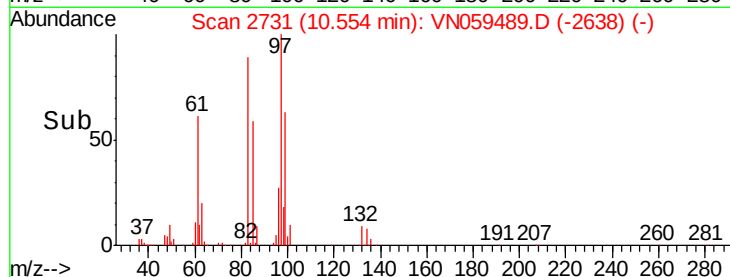
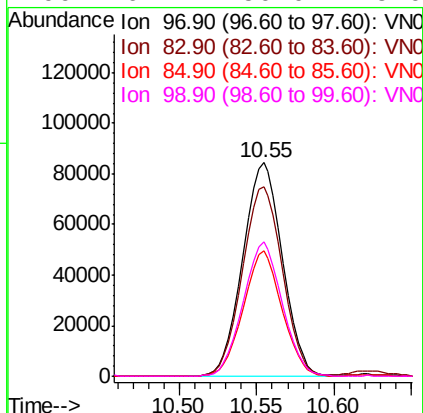
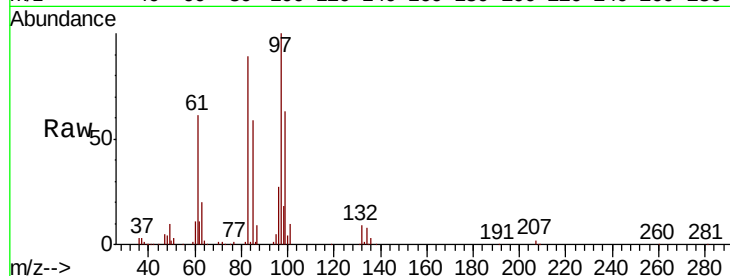




#55
 1,1,2-Trichloroethane
 Concen: 33.037 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

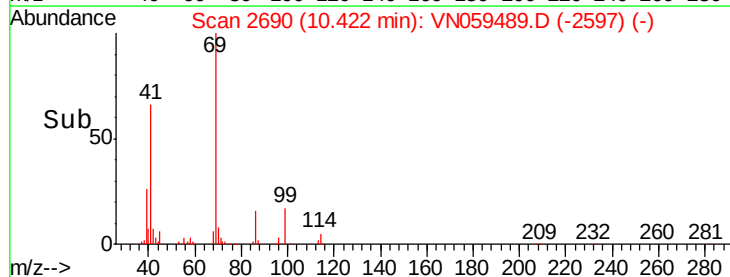
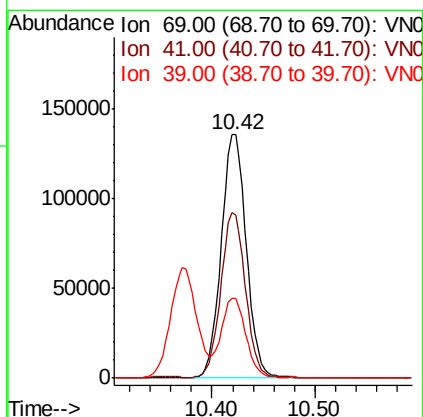
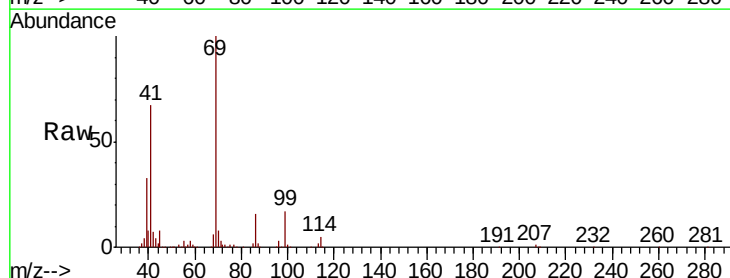
Instrument :
 MSVOA_N
 ClientSampled :

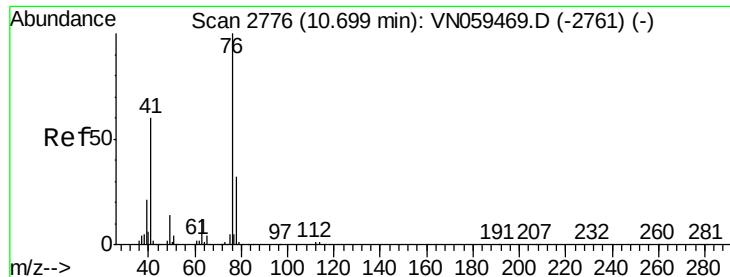
Tot Ion:	97	Resp:	151193
Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.8	104.8
85	58.7	45.5	68.3
99	62.7	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 31.612 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion:	69	Resp:	230144
Ion	Ratio	Lower	Upper
69	100		
41	66.3	52.7	79.1
39	31.4	25.0	37.6





#57

1,3-Dichloropropane

Concen: 33.302 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

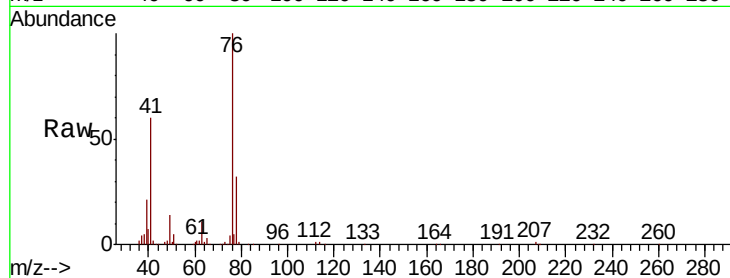
ClientSampleId :

Tot Ion: 76 Resp: 263556

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

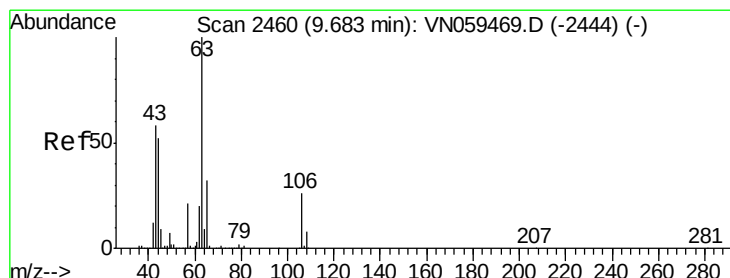
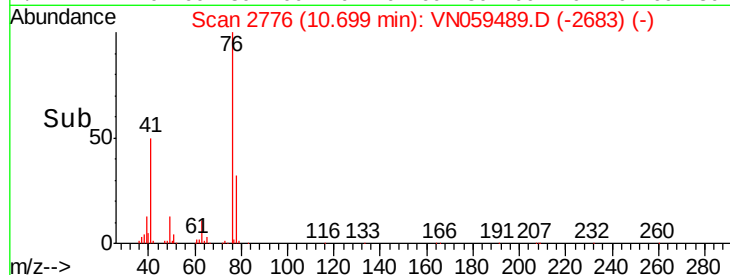
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 88.159 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059489.D

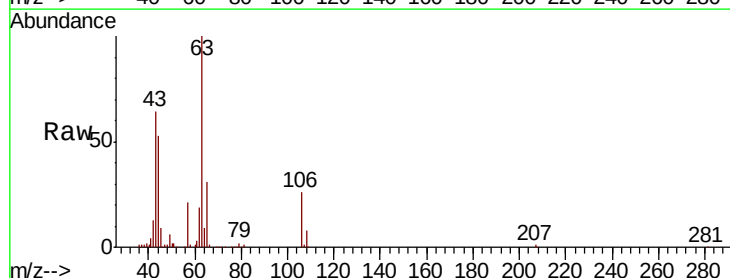
Acq: 4 Dec 2019 17:27

Tgt Ion: 63 Resp: 195171

Ion Ratio Lower Upper

63 100

106 25.6 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

120000

100000

80000

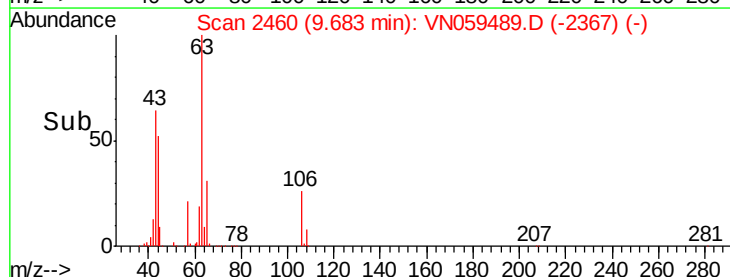
60000

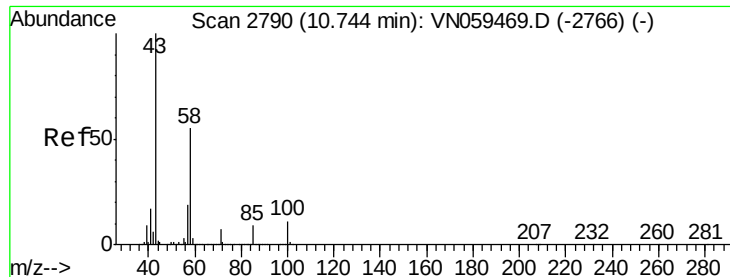
40000

20000

0

Time-->

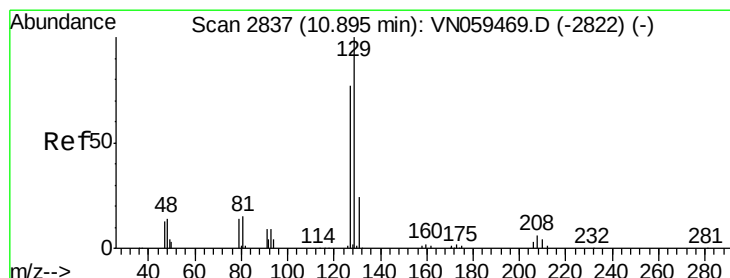
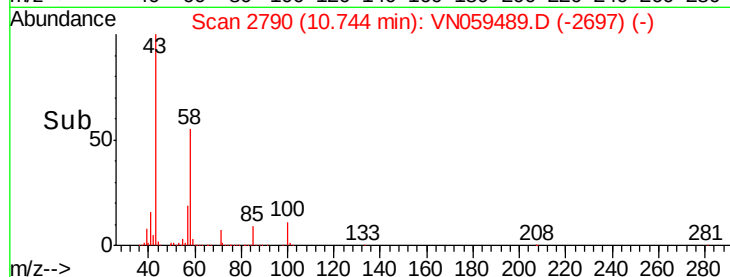
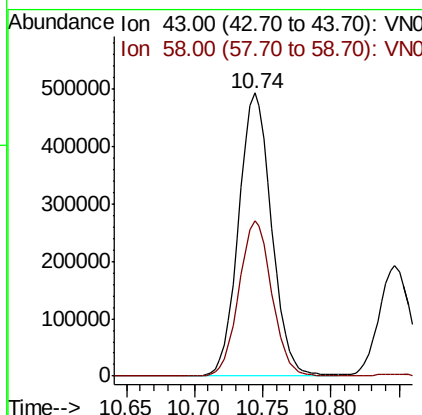
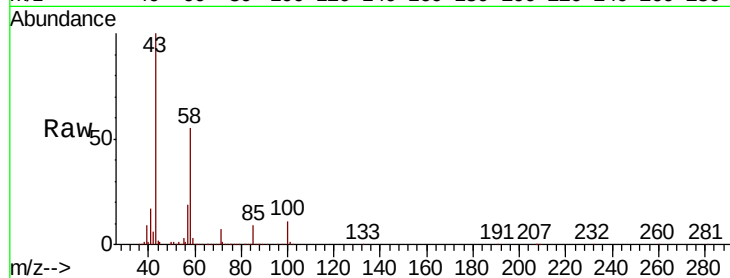




#59
2-Hexanone
Concen: 169.479 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

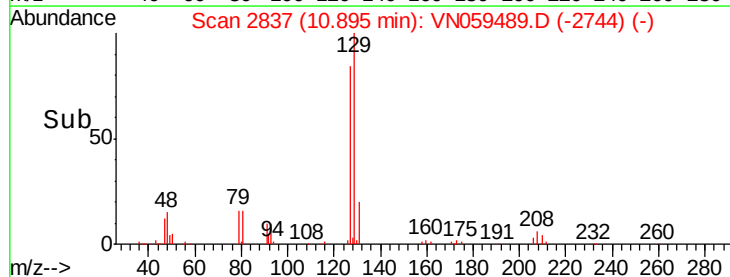
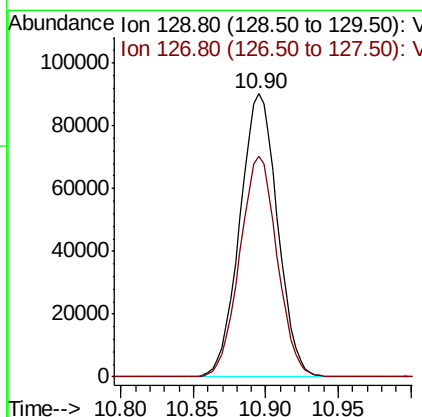
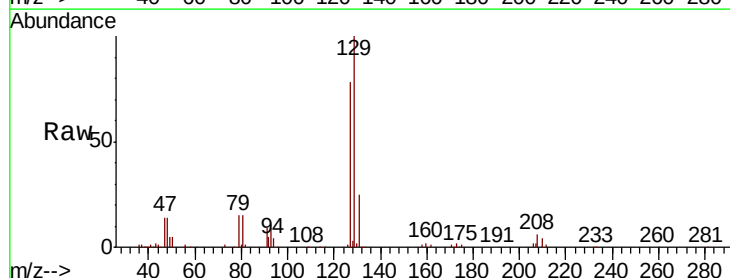
Instrument :
MSVOA_N
ClientSampleId :

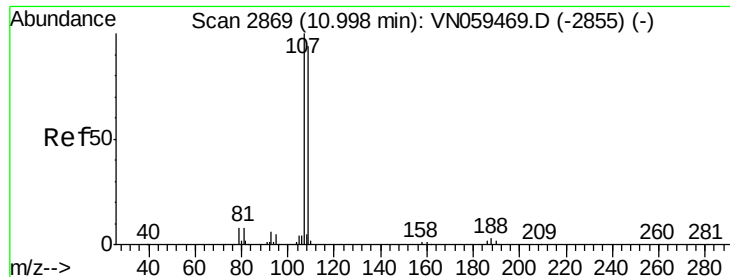
Tot Ion: 43 Resp: 824490
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.0



#60
Dibromochloromethane
Concen: 33.396 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 129 Resp: 163191
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 33.306 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

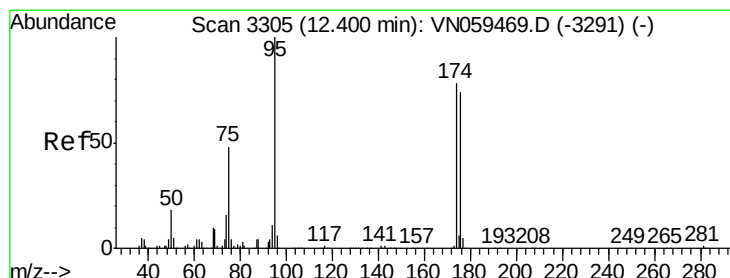
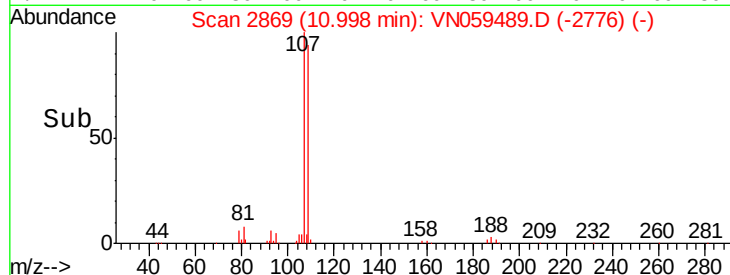
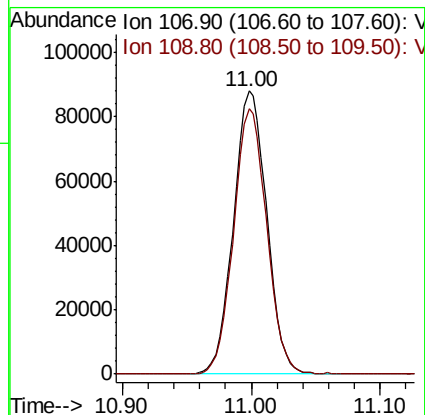
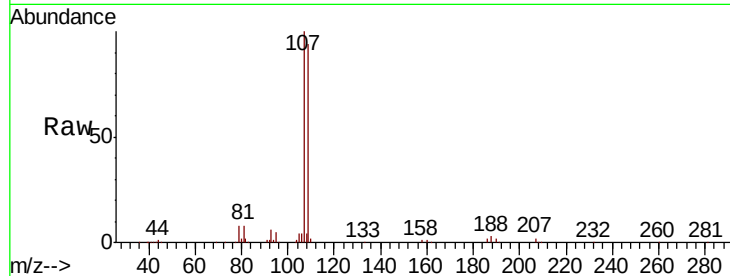
ClientSampleId :

Tot Ion:107 Resp: 157499

Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 47.945 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

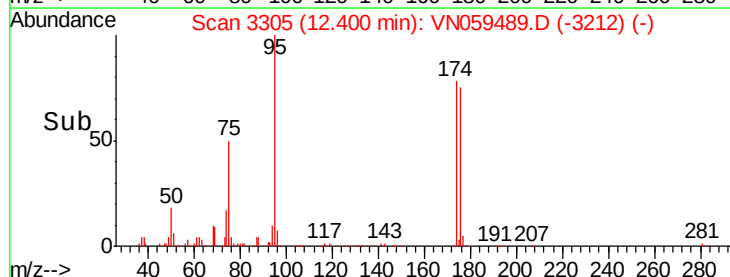
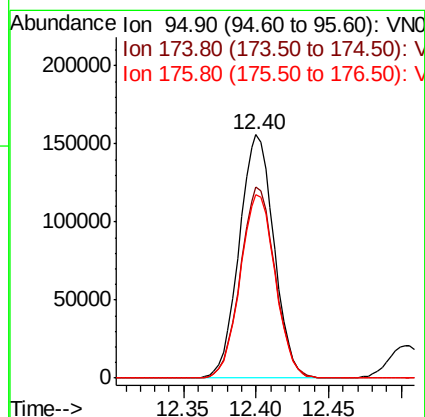
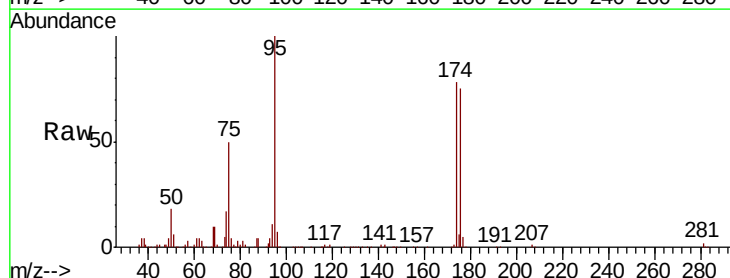
Tgt Ion: 95 Resp: 259006

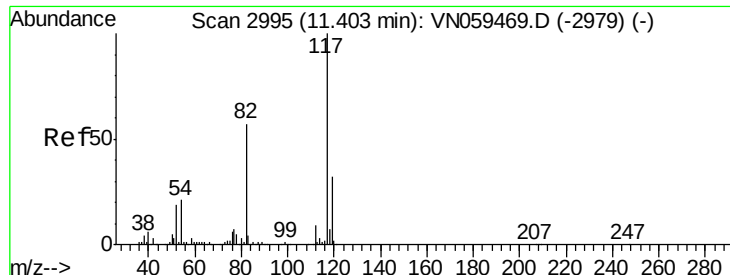
Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.0

176 76.2 0.0 152.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

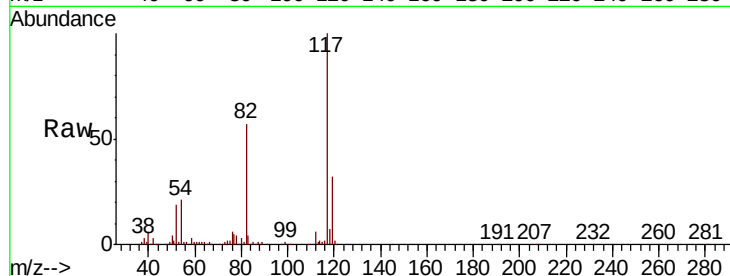
Tot Ion:117 Resp: 562898

Ion Ratio Lower Upper

117 100

82 56.6 45.8 68.8

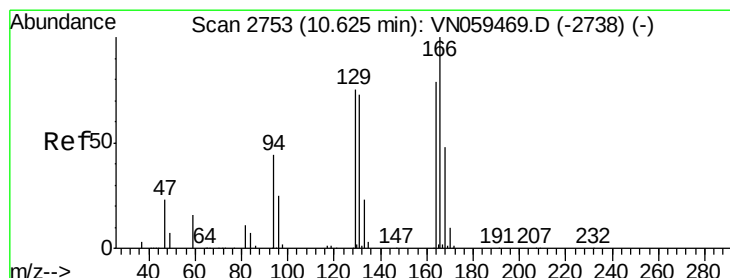
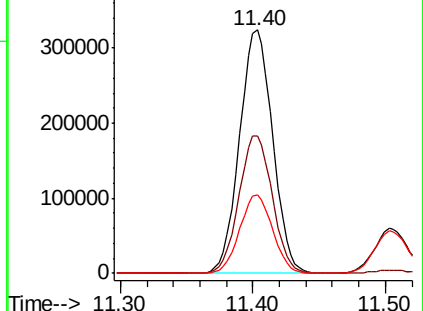
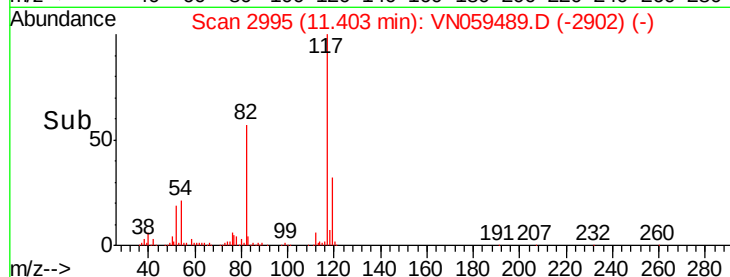
119 32.1 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 30.487 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Tgt Ion:164 Resp: 145977

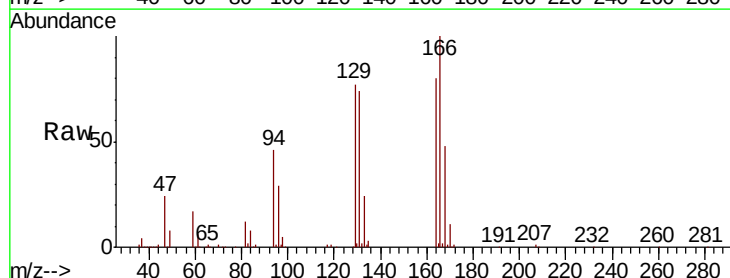
Ion Ratio Lower Upper

164 100

166 124.4 101.2 151.8

129 95.7 76.1 114.1

131 92.7 73.7 110.5

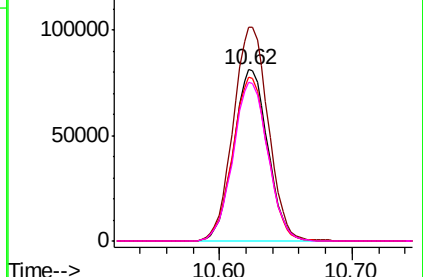
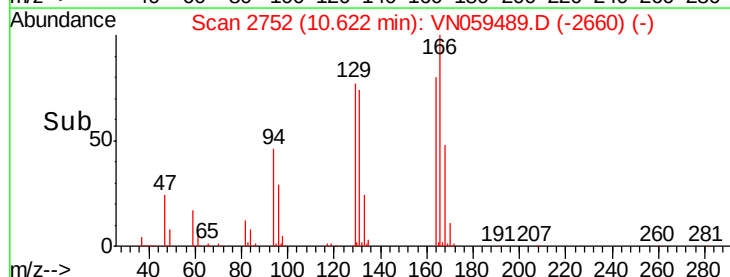


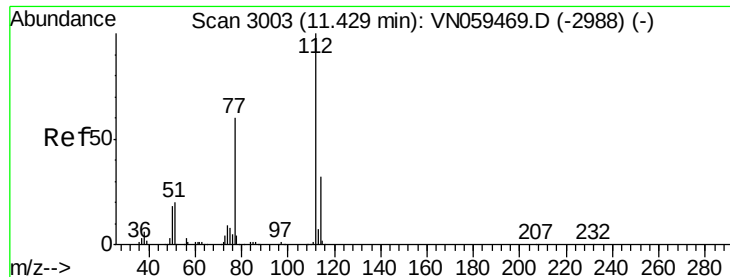
Abundance Ion 163.80 (163.50 to 164.50): V

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

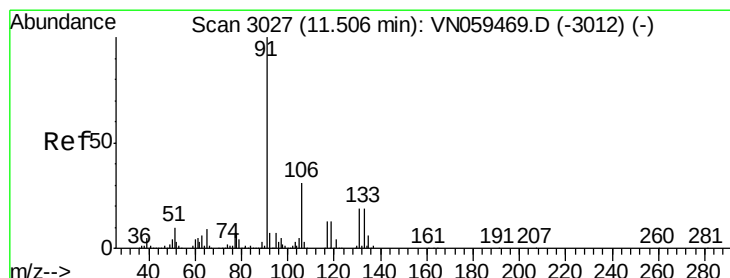
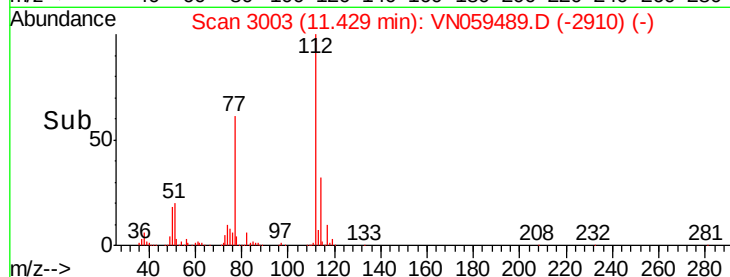
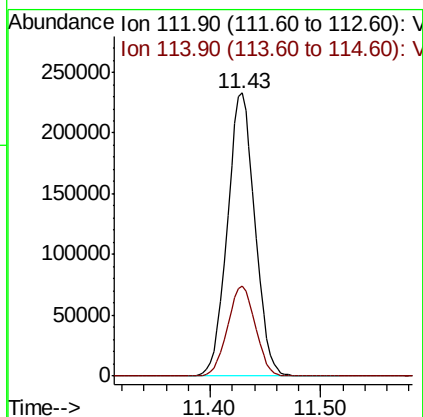
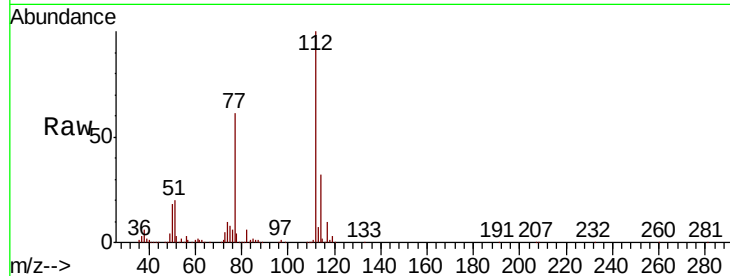




#65
Chlorobenzene
Concen: 32.684 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

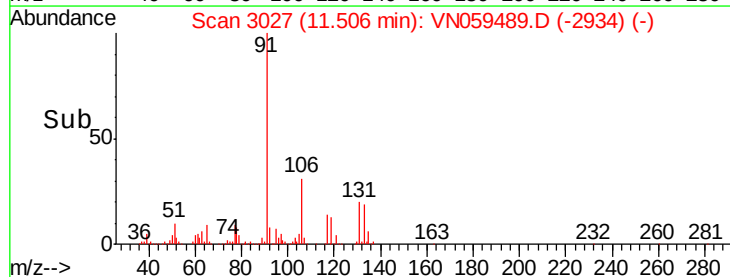
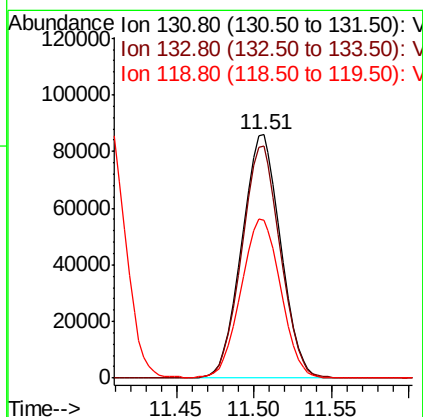
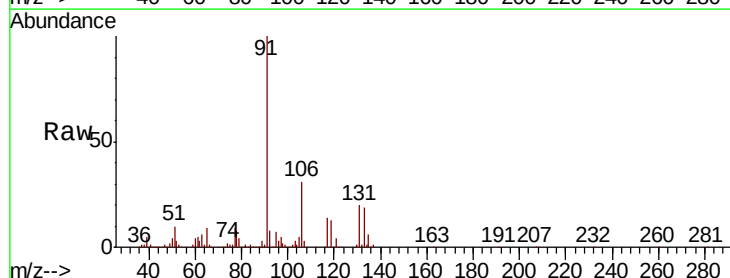
Instrument :
MSVOA_N
ClientSampled :

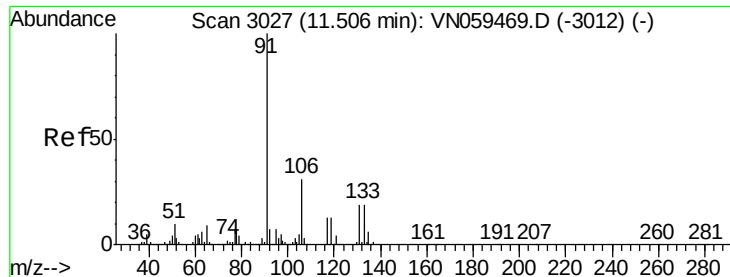
Tot Ion:112 Resp: 402194
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 33.993 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion:131 Resp: 150304
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 66.8 33.9 101.6





#67

Ethyl Benzene

Concen: 33.979 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

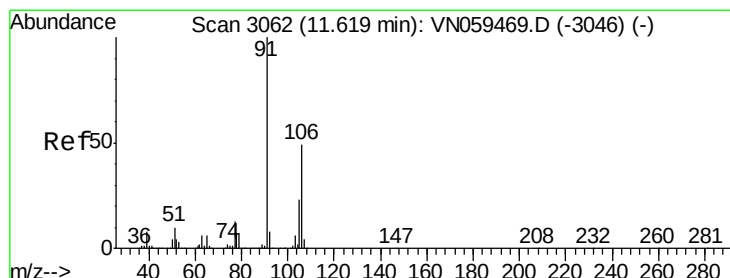
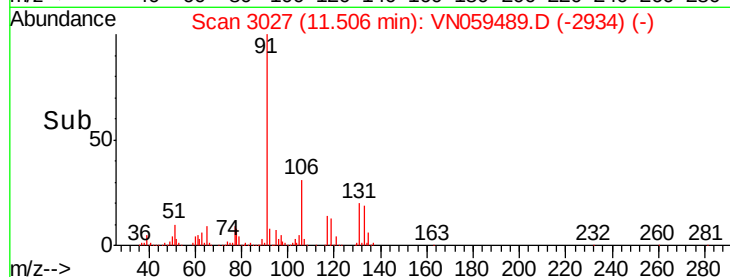
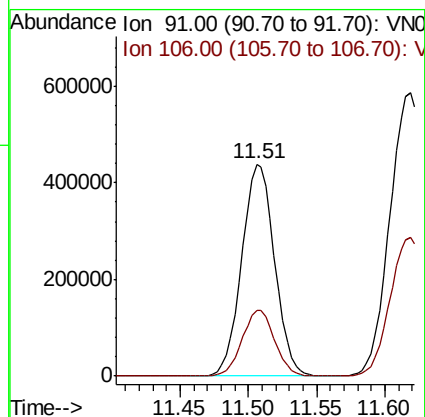
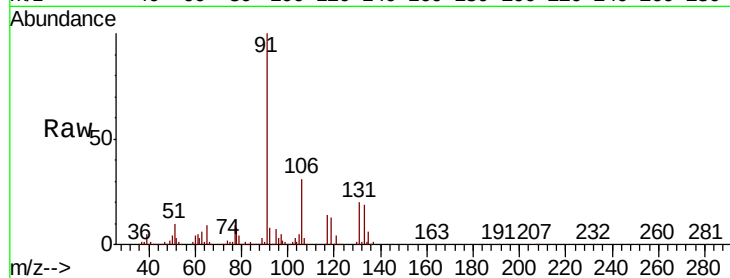
ClientSampled :

Tot Ion: 91 Resp: 732592

Ion Ratio Lower Upper

91 100

106 31.1 24.7 37.1



#68

m/p-Xylenes

Concen: 67.939 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059489.D

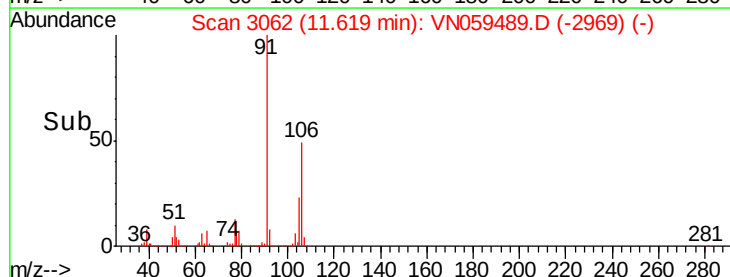
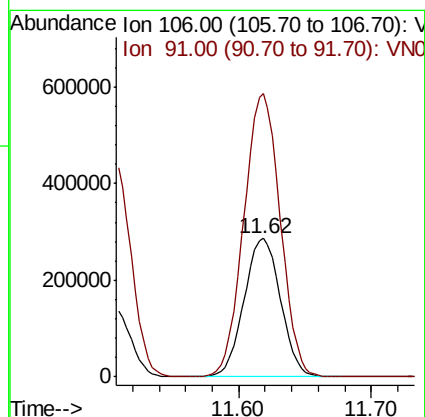
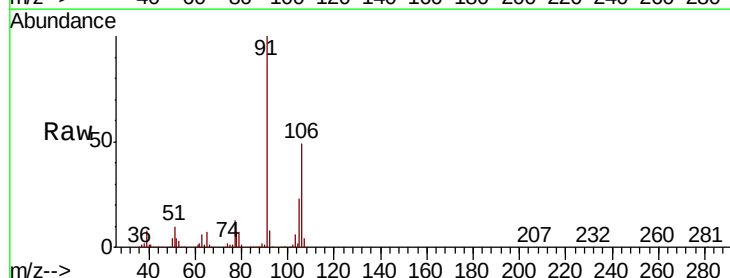
Acq: 4 Dec 2019 17:27

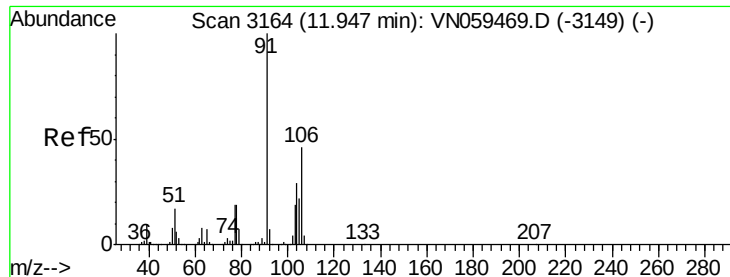
Tgt Ion: 106 Resp: 545412

Ion Ratio Lower Upper

106 100

91 204.7 162.2 243.4

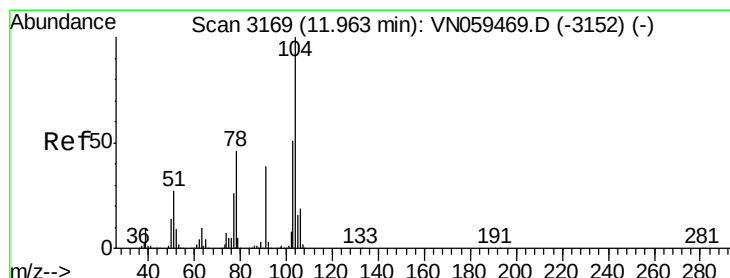
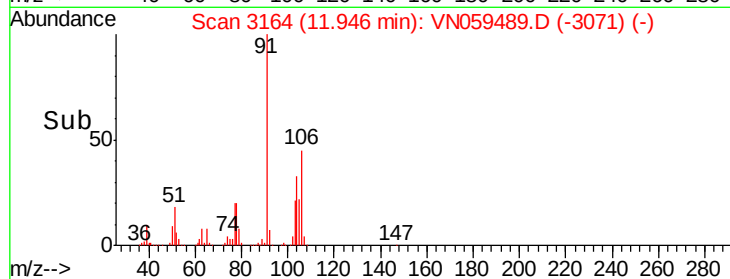
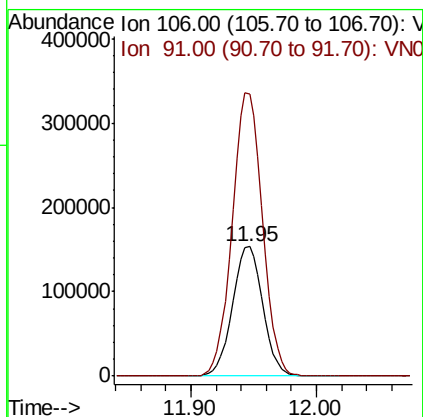
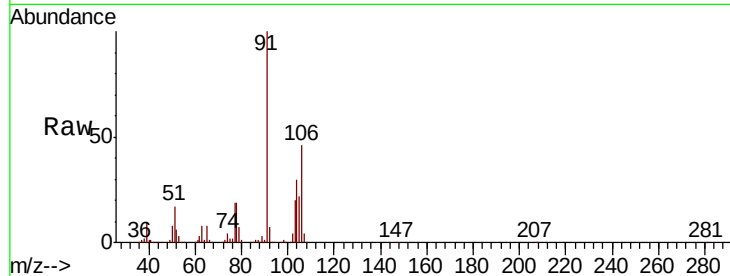




#69
o-Xylene
Concen: 33.726 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

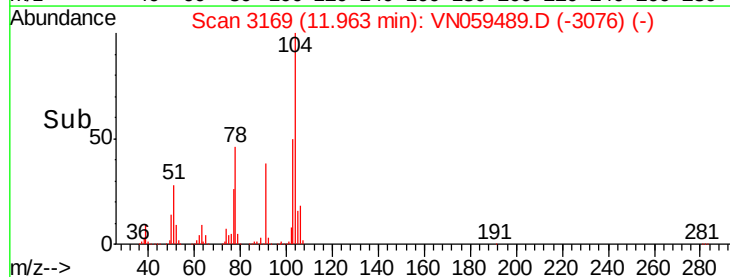
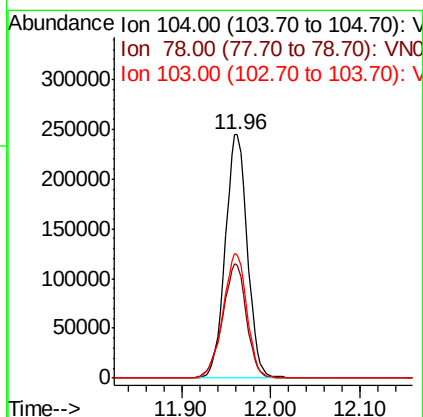
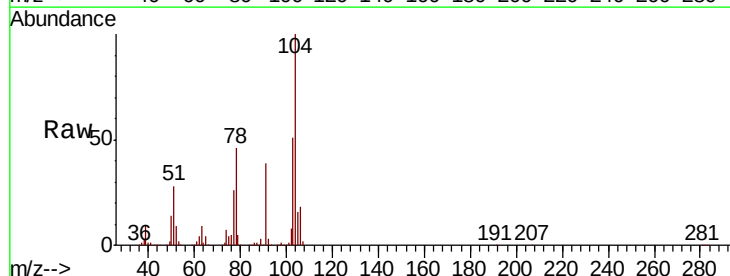
Instrument :
MSVOA_N
ClientSampled :

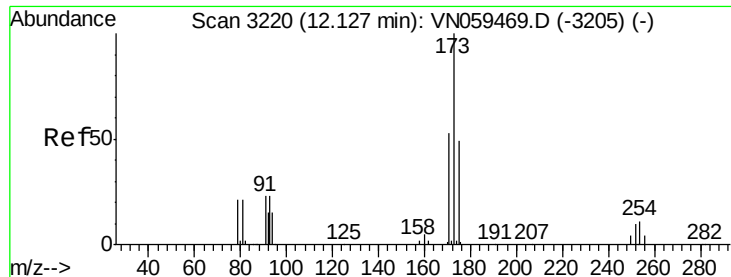
Tot Ion:106 Resp: 257764
Ion Ratio Lower Upper
106 100
91 218.2 108.5 325.3



#70
Styrene
Concen: 34.377 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion:104 Resp: 419428
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.4
103 55.3 44.7 67.1

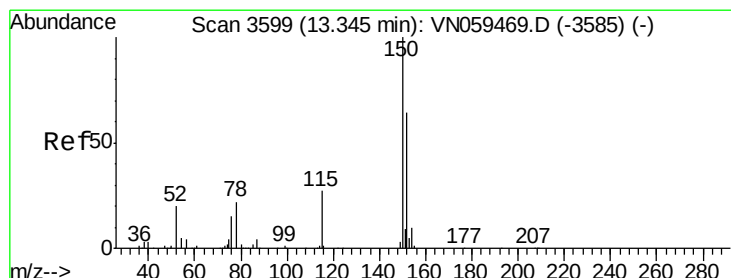
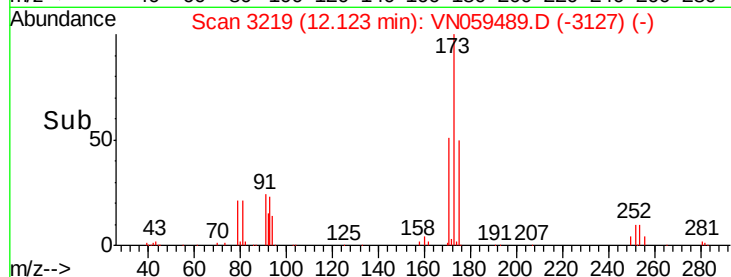
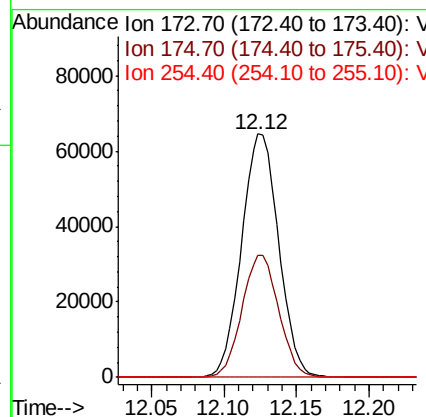
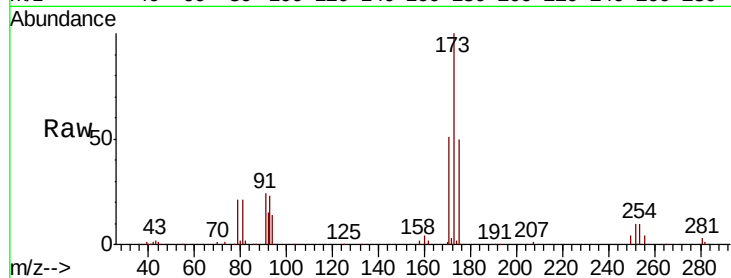




#71
Bromoform
Concen: 33.369 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

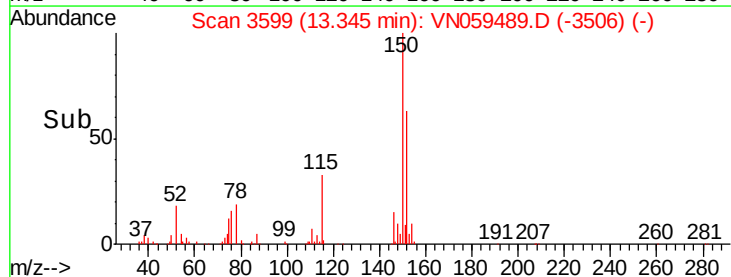
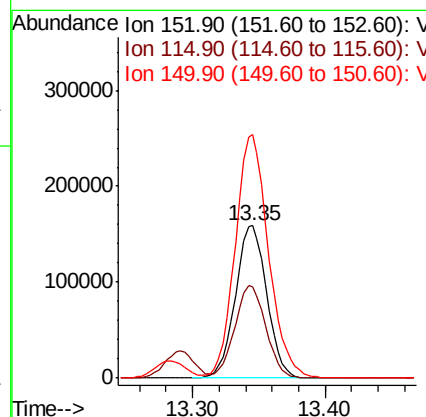
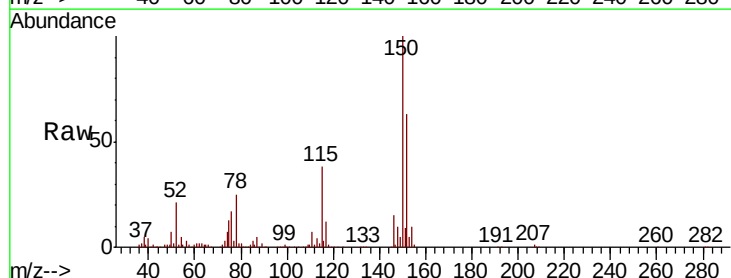
Instrument :
MSVOA_N
ClientSampled :

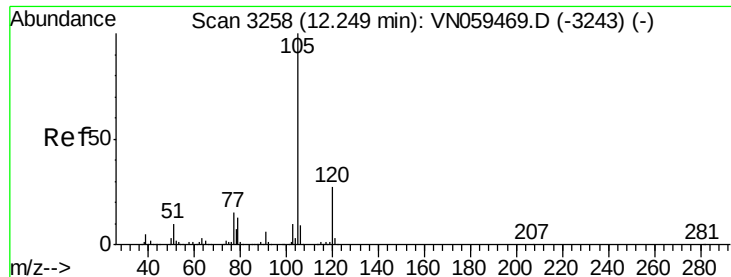
Tot Ion:173 Resp: 115008
Ion Ratio Lower Upper
173 100
175 49.5 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion:152 Resp: 260291
Ion Ratio Lower Upper
152 100
115 60.5 29.2 87.6
150 169.2 0.0 352.8





#73

Isopropylbenzene

Concen: 33.447 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

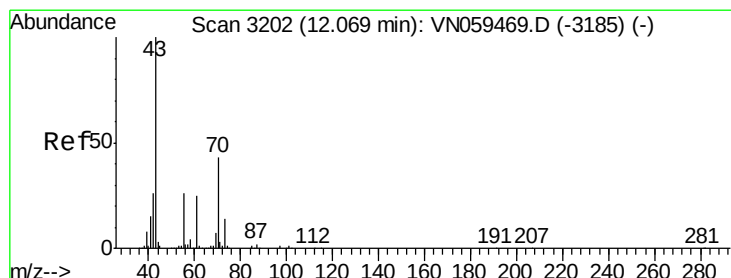
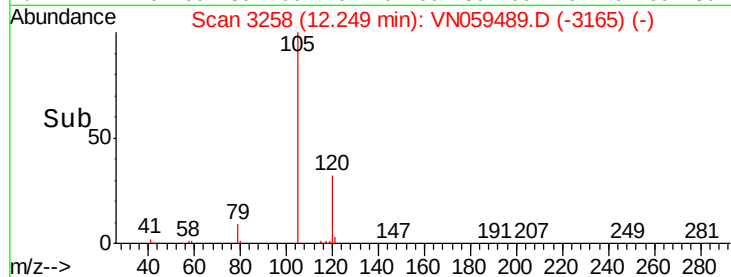
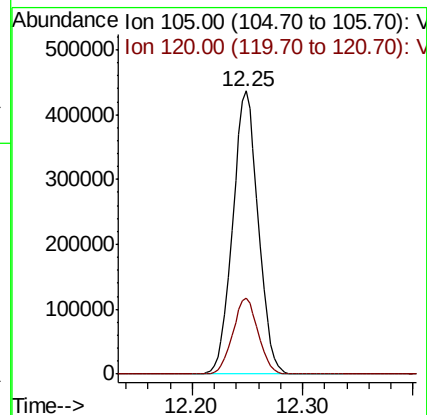
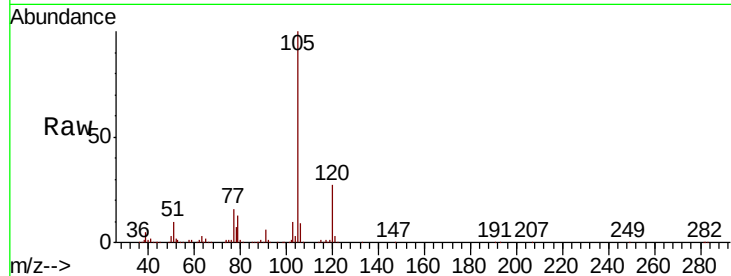
ClientSampleId :

Tot Ion:105 Resp: 698192

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 32.794 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Tgt Ion: 43 Resp: 275734

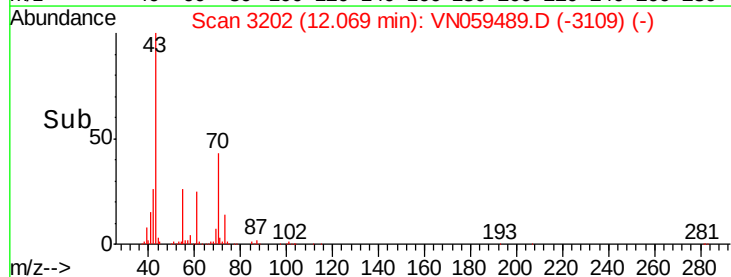
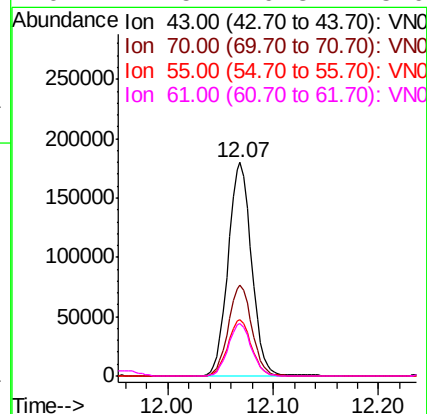
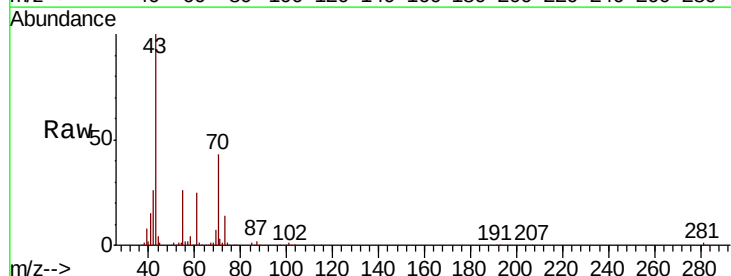
Ion Ratio Lower Upper

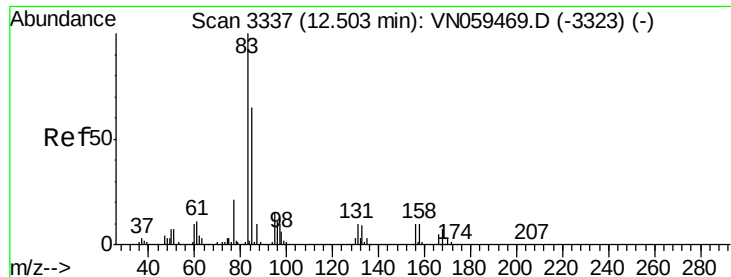
43 100

70 42.9 34.2 51.2

55 26.7 20.6 31.0

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 33.149 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

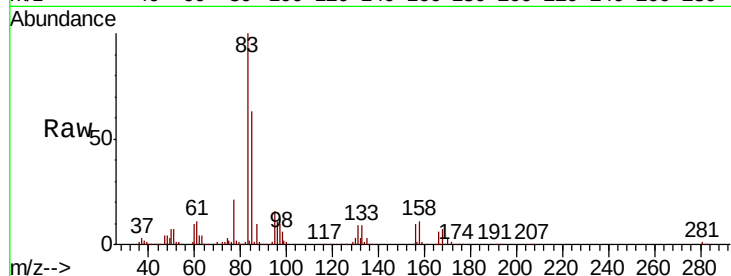
Tot Ion: 83 Resp: 221961

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

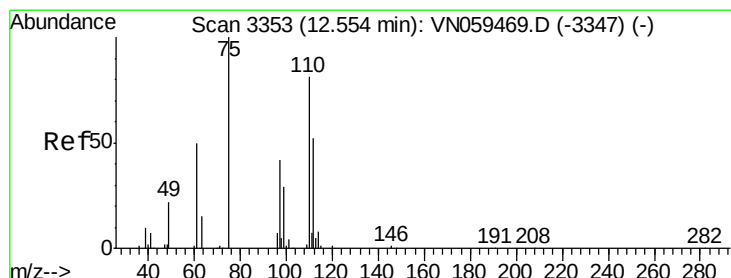
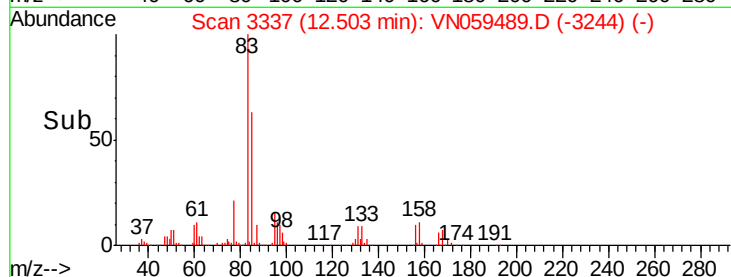
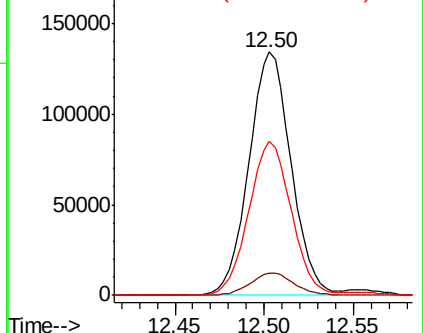
85 63.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN059489.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059489.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059489.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 46.169 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059489.D

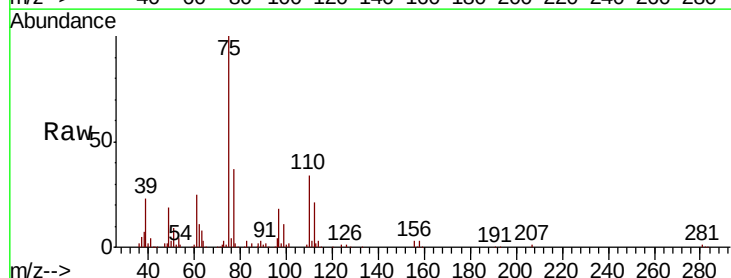
Acq: 4 Dec 2019 17:27

Tgt Ion: 75 Resp: 298802

Ion Ratio Lower Upper

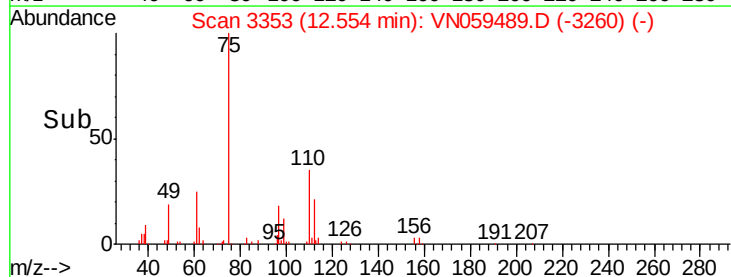
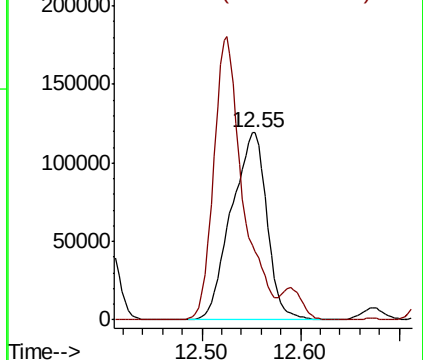
75 100

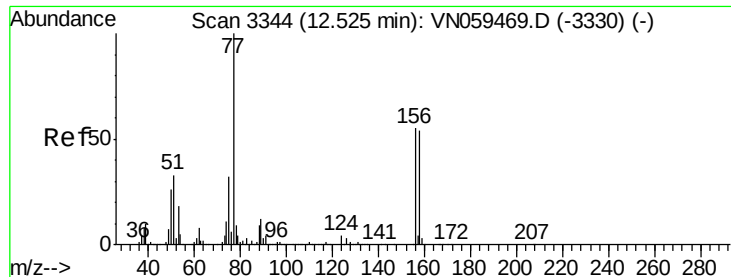
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059489.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059489.D (-3260) (-)





#77

Bromobenzene

Concen: 31.912 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

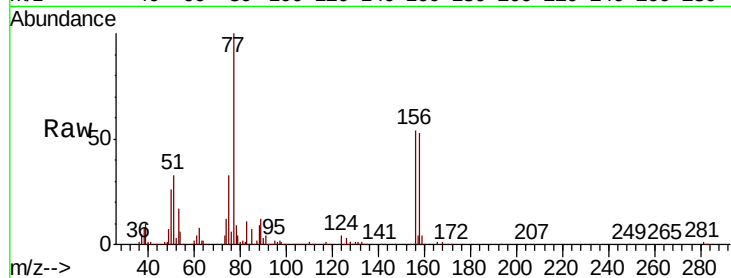
Tot Ion:156 Resp: 166466

Ion Ratio Lower Upper

156 100

77 224.8 110.3 331.0

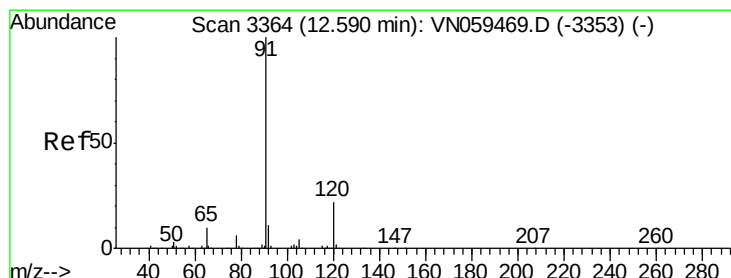
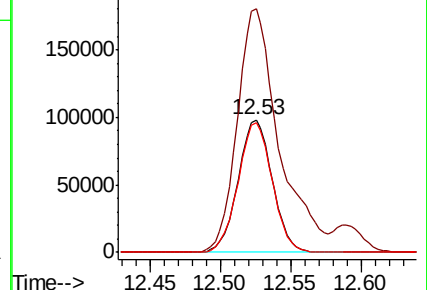
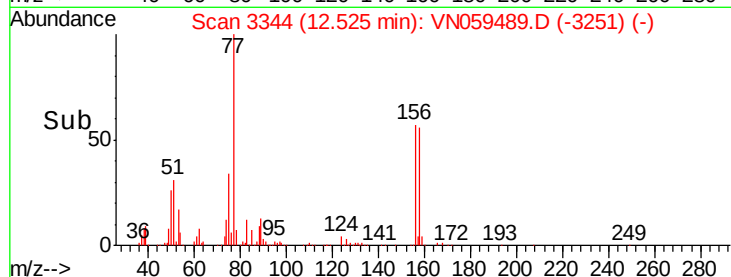
158 97.6 48.5 145.5



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: 33.841 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059489.D

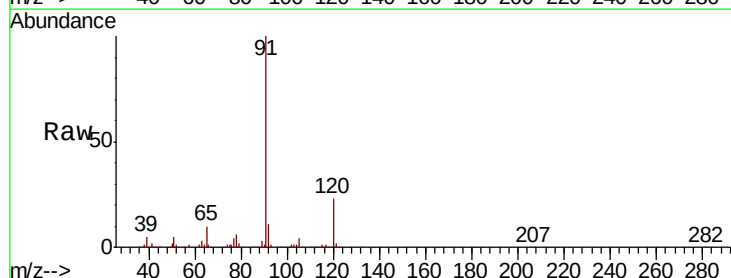
Acq: 4 Dec 2019 17:27

Tgt Ion: 91 Resp: 822078

Ion Ratio Lower Upper

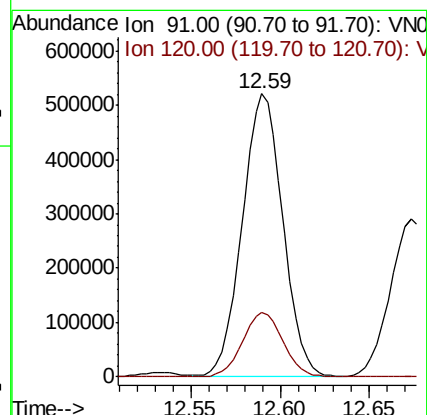
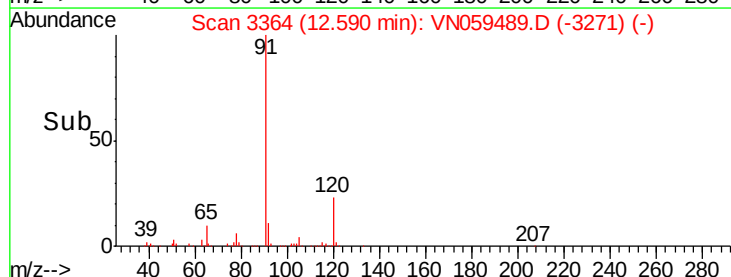
91 100

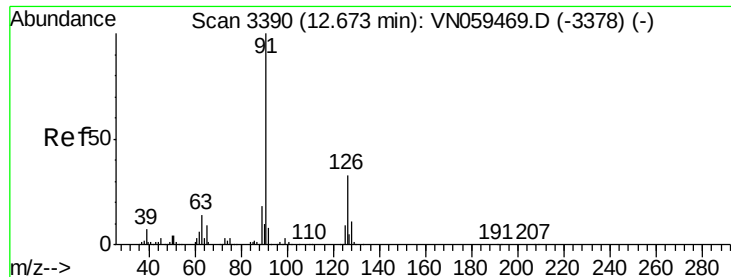
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 32.840 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

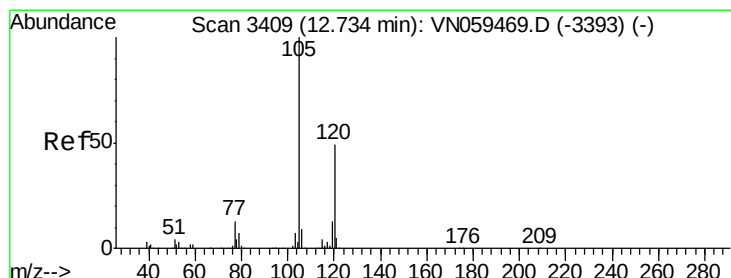
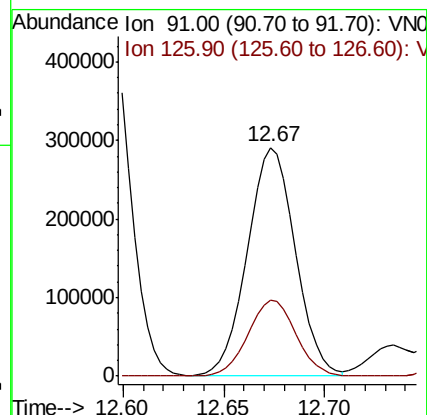
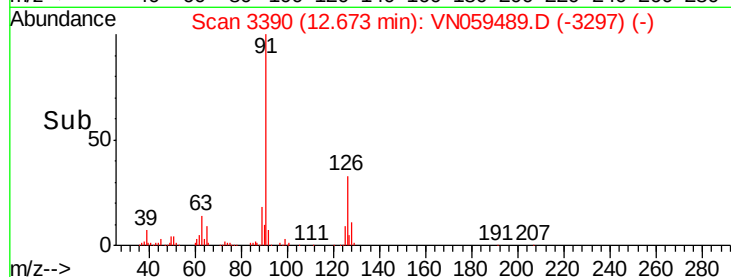
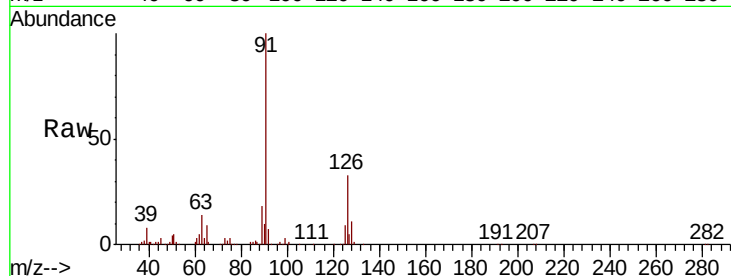
ClientSampleId :

Tot Ion: 91 Resp: 480903

Ion Ratio Lower Upper

91 100

126 33.5 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 33.818 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059489.D

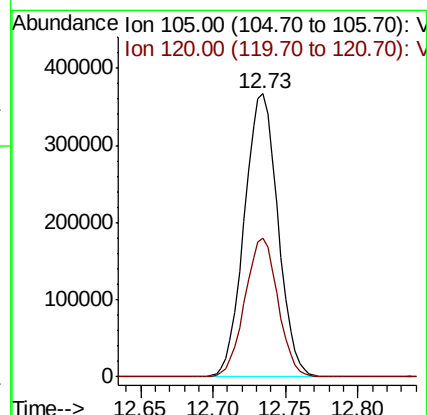
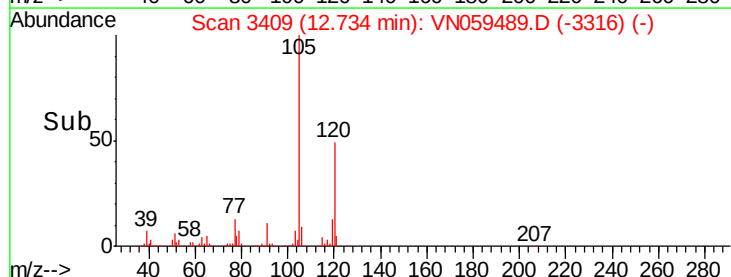
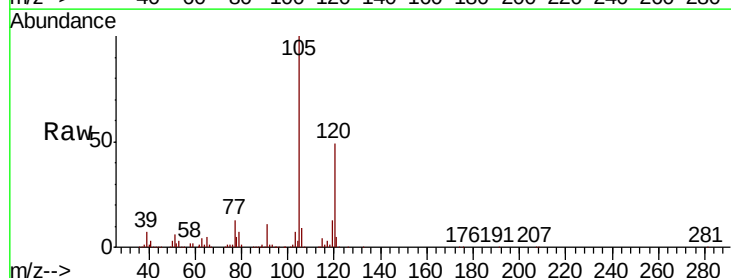
Acq: 4 Dec 2019 17:27

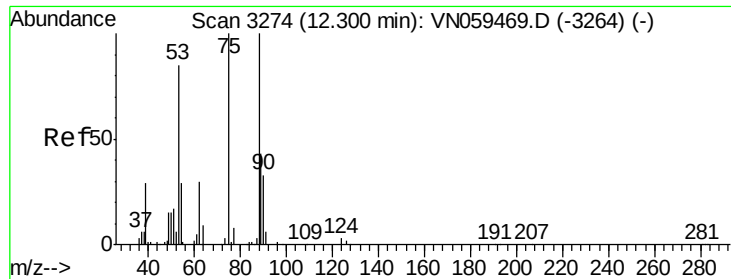
Tgt Ion: 105 Resp: 589952

Ion Ratio Lower Upper

105 100

120 48.3 24.3 73.0

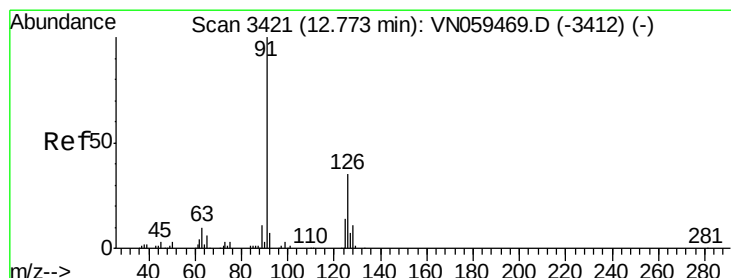
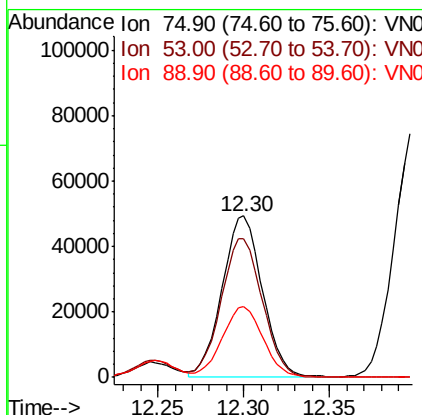
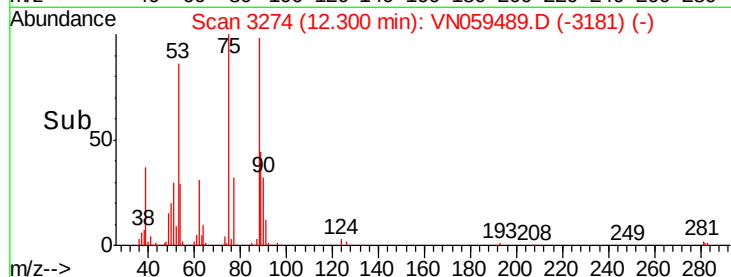
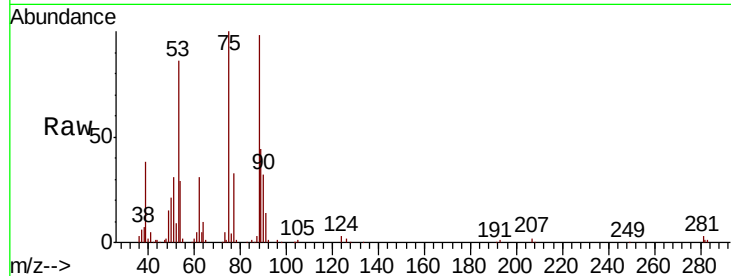




#81
trans-1,4-Dichloro-2-butene
Concen: 32.717 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

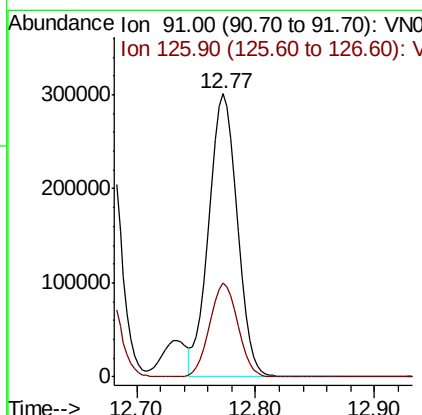
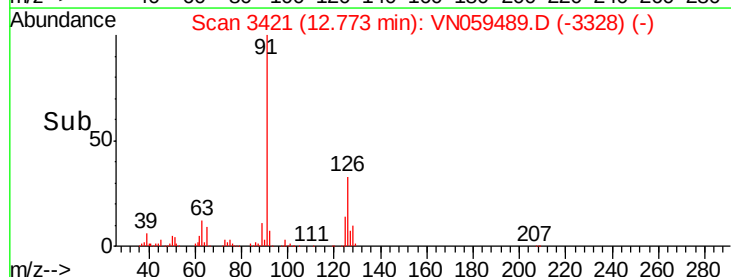
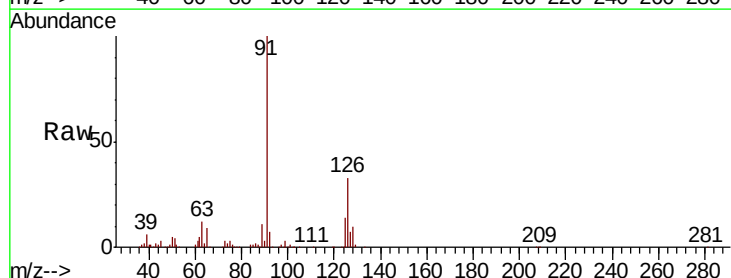
Instrument :
MSVOA_N
ClientSampled :

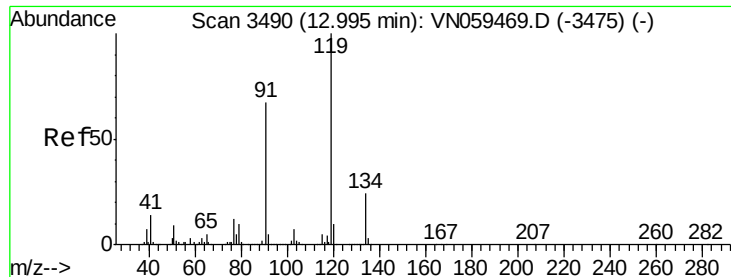
Tot Ion: 75 Resp: 80683
Ion Ratio Lower Upper
75 100
53 88.5 69.8 104.6
89 44.7 35.2 52.8



#82
4-Chlorotoluene
Concen: 33.045 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 91 Resp: 499259
Ion Ratio Lower Upper
91 100
126 32.9 16.4 49.2

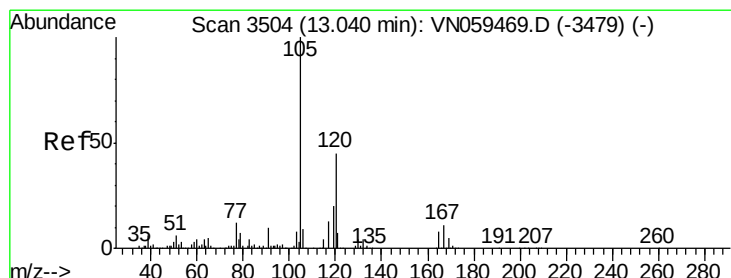
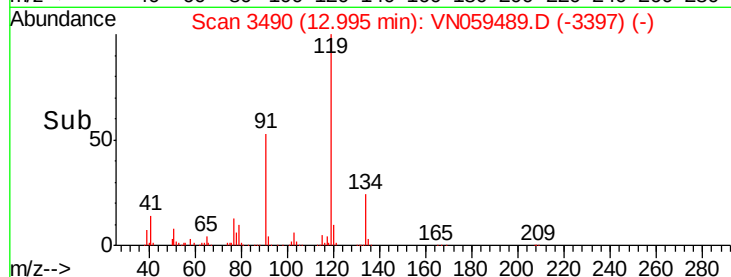
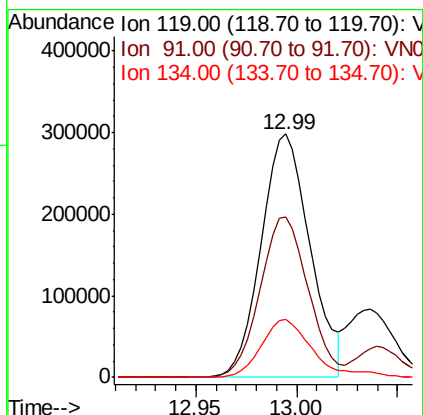
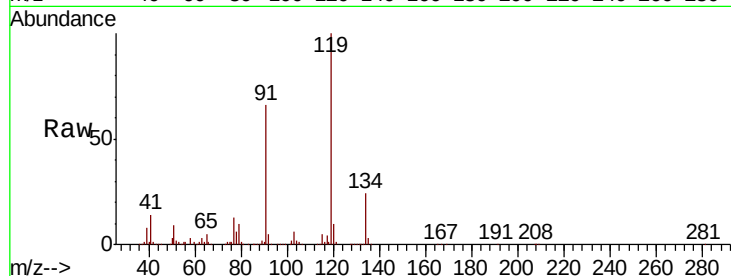




#83
 tert-Butylbenzene
 Concen: 33.256 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

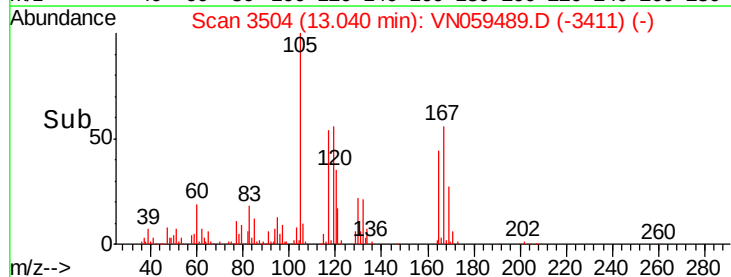
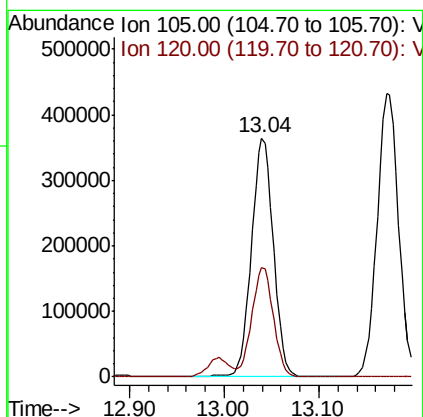
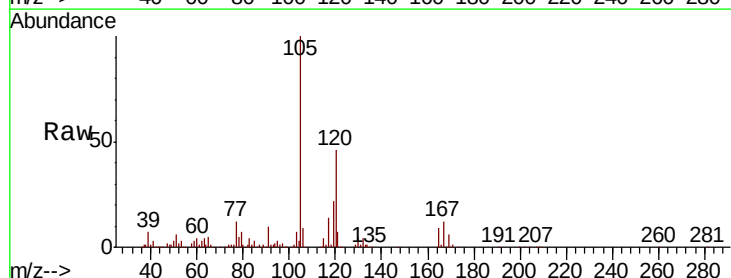
Instrument :
 MSVOA_N
 ClientSampleId :

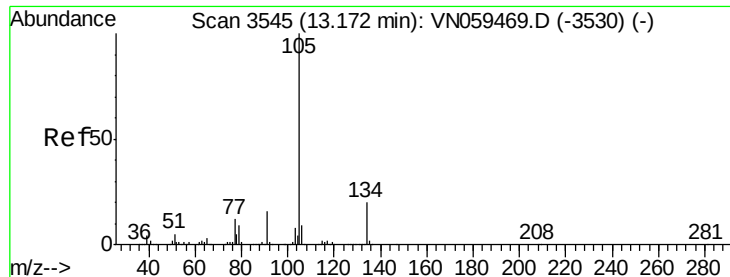
Tot Ion:119 Resp: 503668
 Ion Ratio Lower Upper
 119 100
 91 65.1 32.6 97.7
 134 25.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 34.431 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion:105 Resp: 586983
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.8





#85

sec-Butylbenzene

Concen: 33.798 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

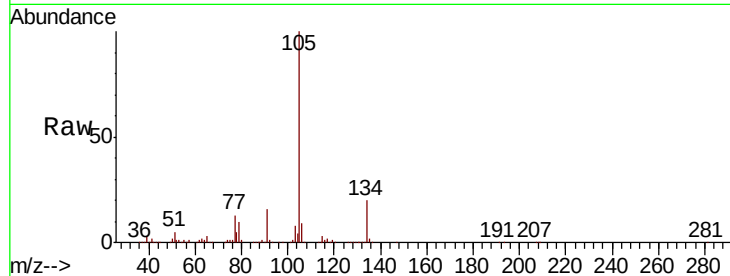
ClientSampled :

Tot Ion:105 Resp: 678413

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

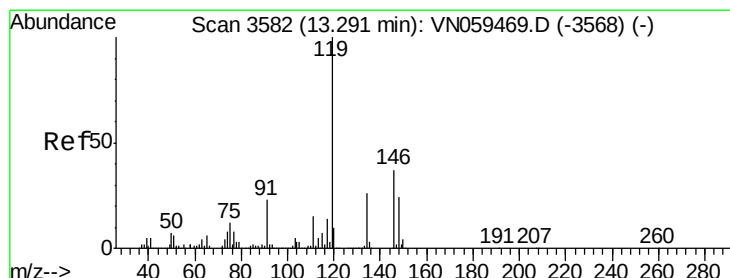
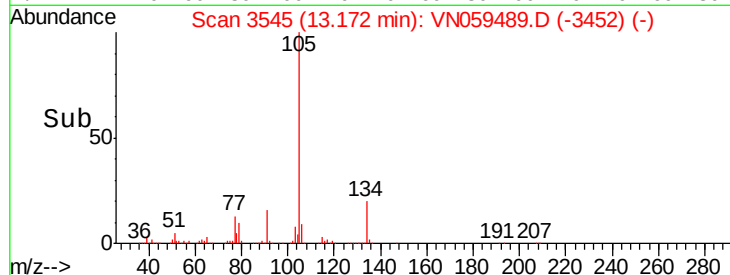
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 34.260 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

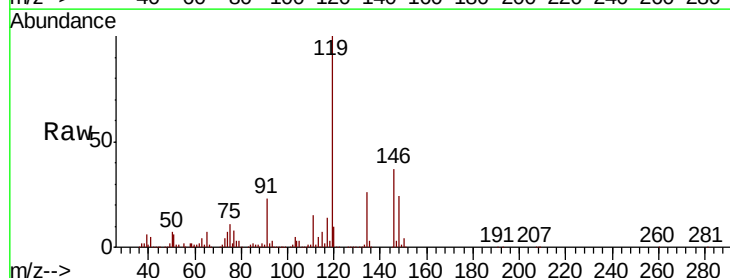
Tgt Ion:119 Resp: 616249

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 23.1 11.7 35.1



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

13.29

400000

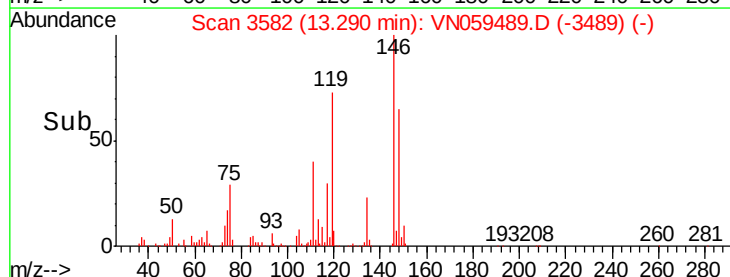
300000

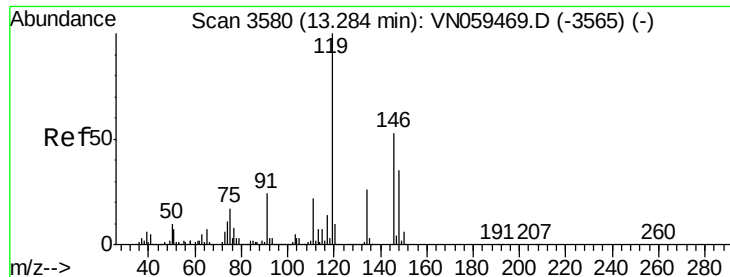
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 32.648 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059489.D

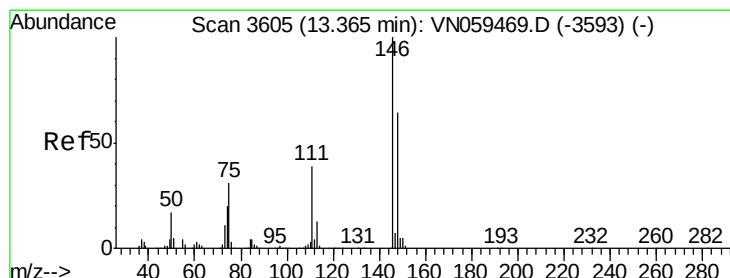
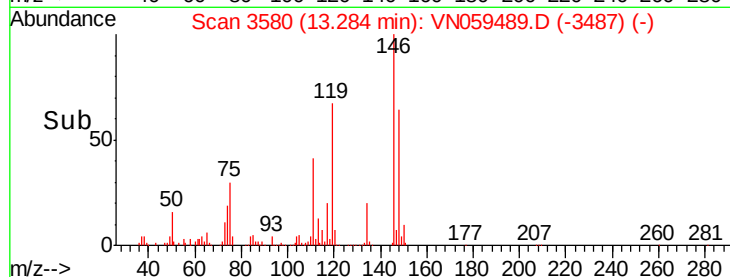
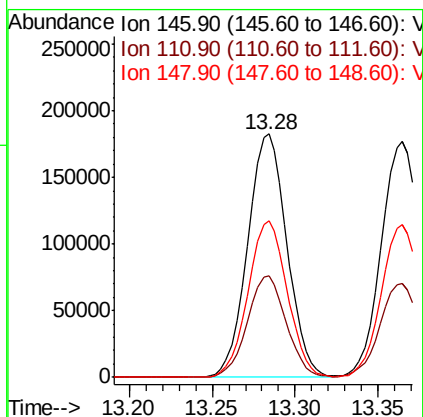
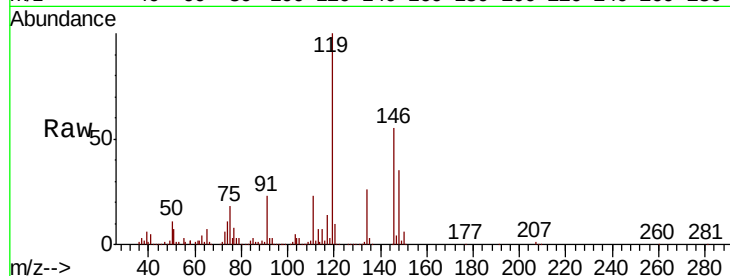
Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	300266
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.3
148	63.9	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 31.704 ug/l

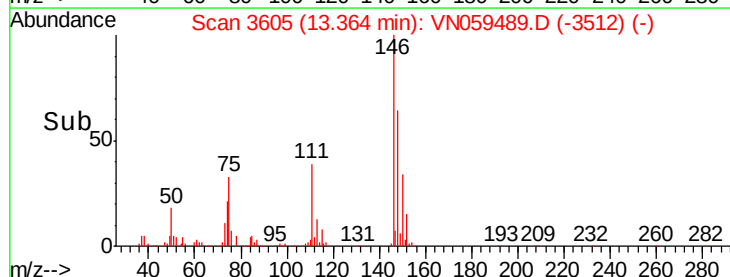
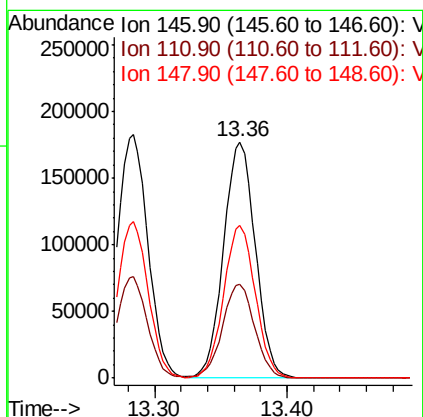
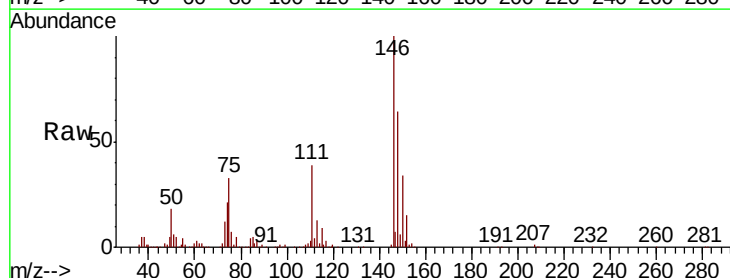
RT: 13.36 min Scan# 3605

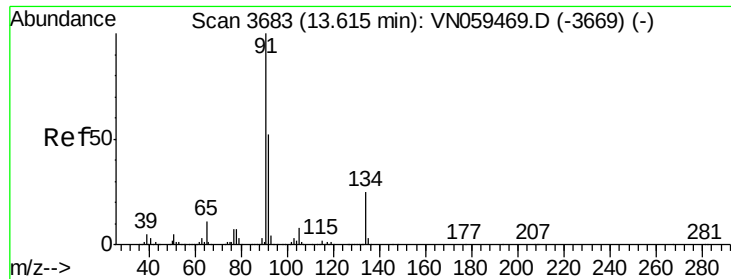
Delta R.T. -0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Tgt Ion:	146	Resp:	294071
Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.3
148	64.3	32.0	96.0

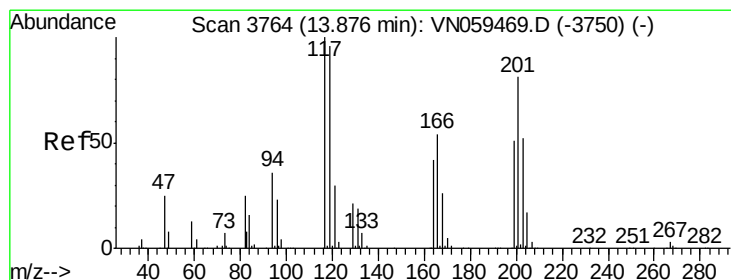
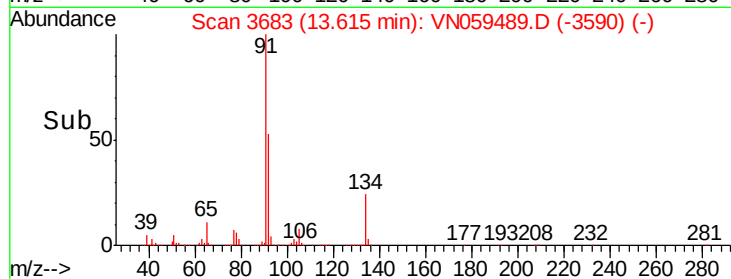
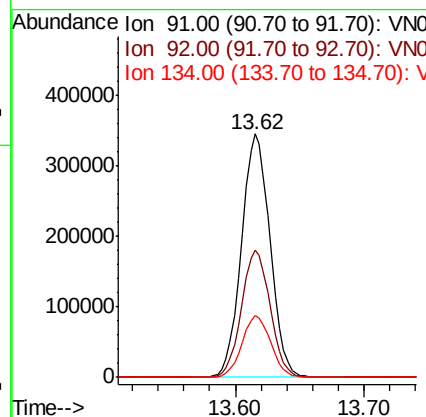
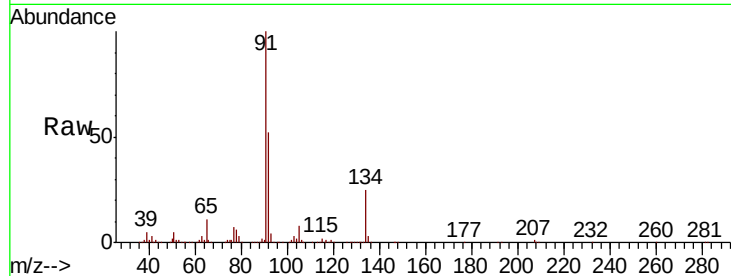




#89
n-Butylbenzene
Concen: 32.967 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

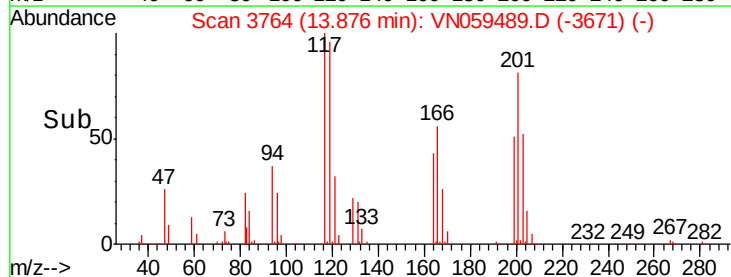
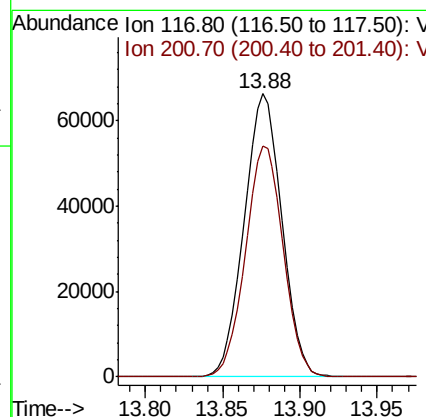
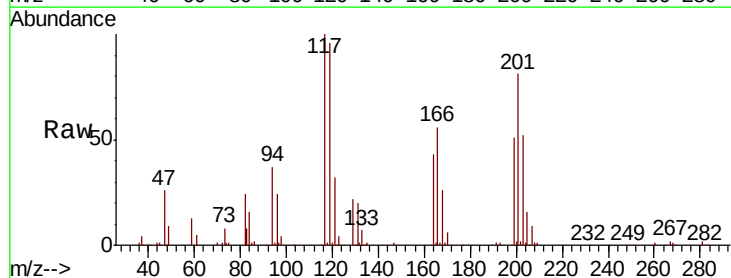
Instrument :
MSVOA_N
ClientSampled :

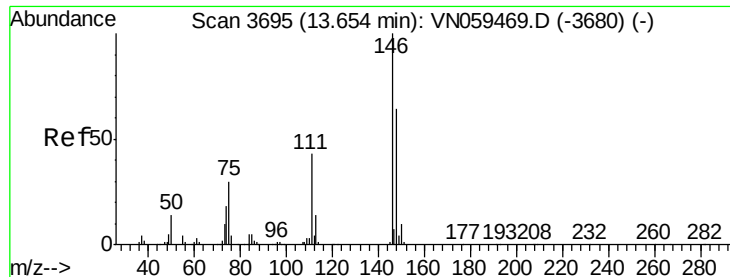
Tot Ion: 91 Resp: 531289
Ion Ratio Lower Upper
91 100
92 52.4 25.9 77.8
134 25.5 12.6 37.6



#90
Hexachloroethane
Concen: 32.457 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059489.D
Acq: 4 Dec 2019 17:27

Tgt Ion: 117 Resp: 112601
Ion Ratio Lower Upper
117 100
201 81.4 40.6 122.0

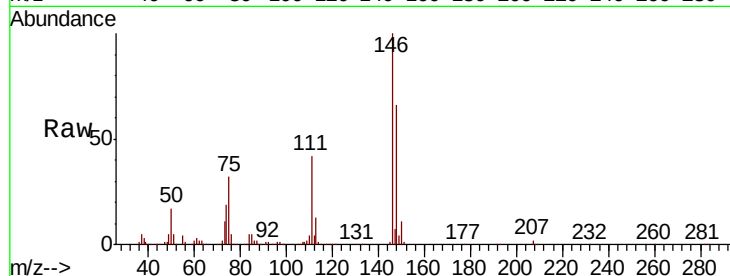




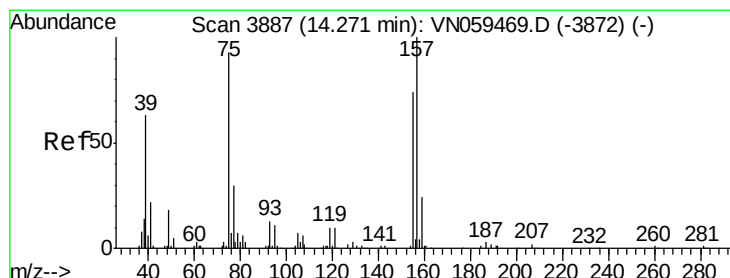
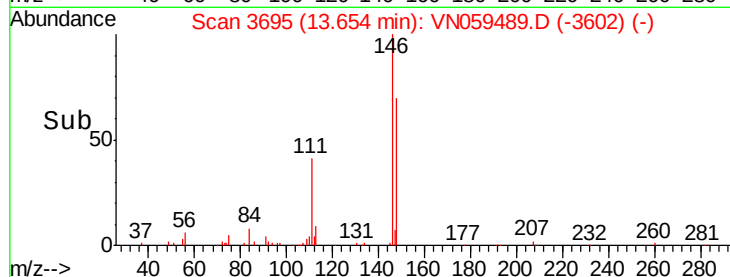
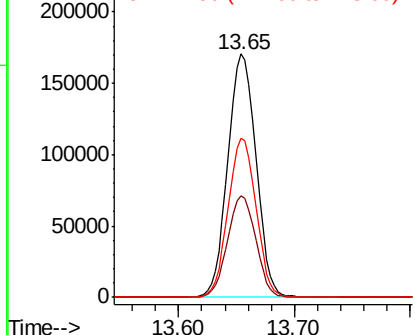
#91
 1,2-Dichlorobenzene
 Concen: 32.564 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	64.7	32.2	96.6

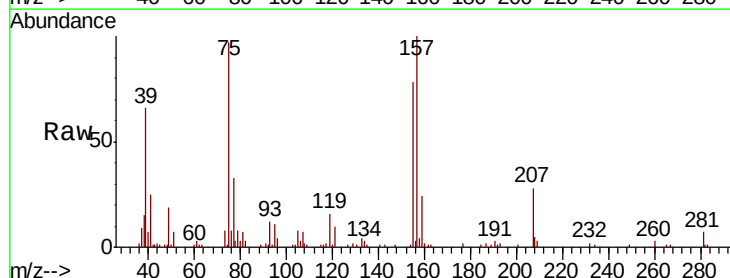


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

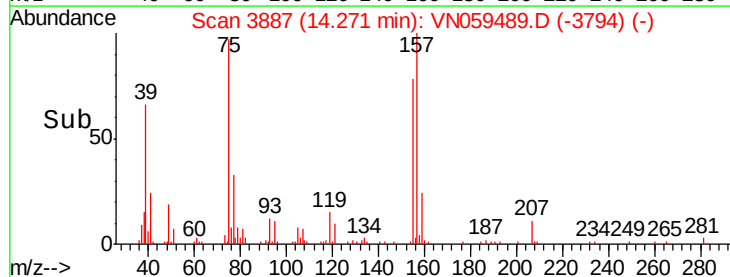
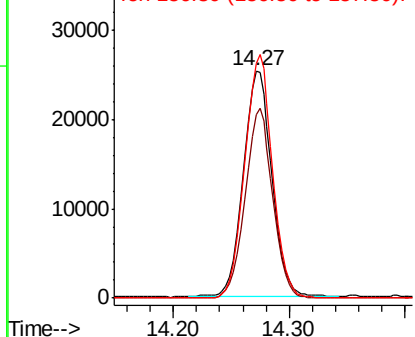


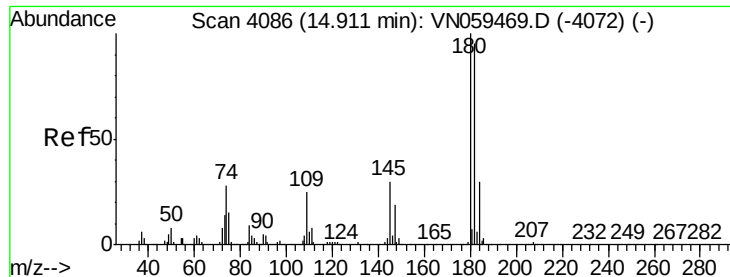
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 31.283 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	40.6	122.0
157	104.6	52.9	158.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

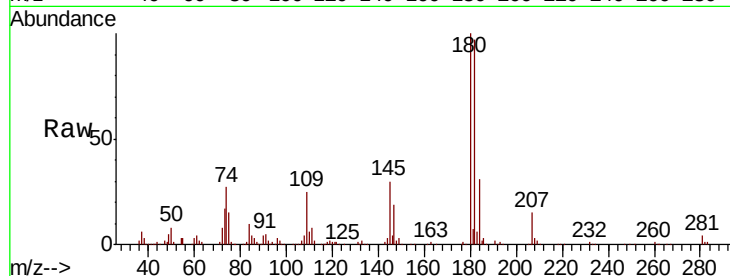




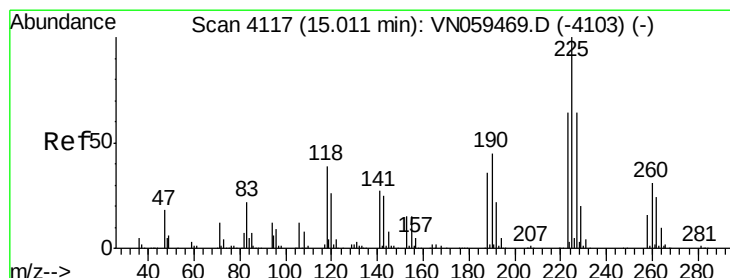
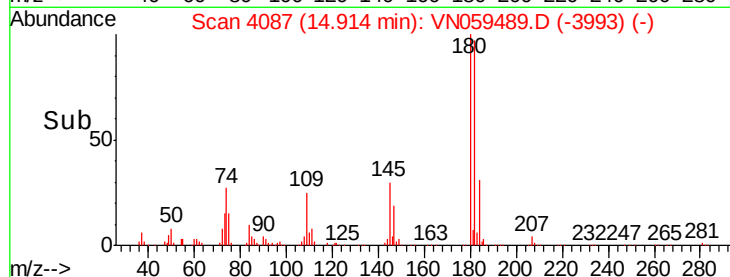
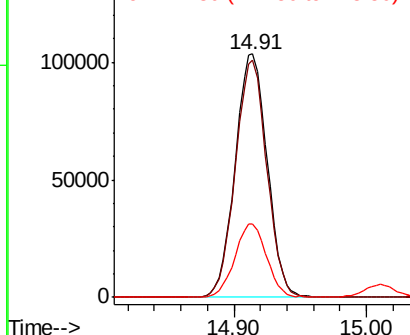
#93
 1,2,4-Trichlorobenzene
 Concen: 32.282 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 173758
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.0 144.2
 145 30.1 15.2 45.6

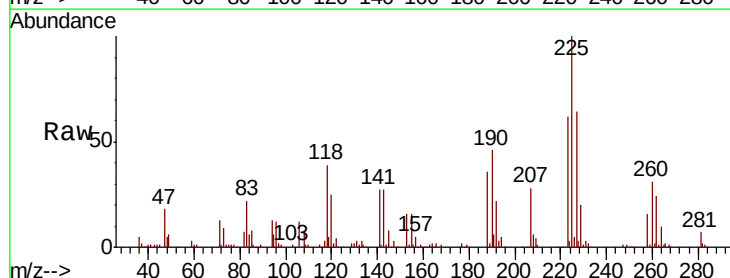


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

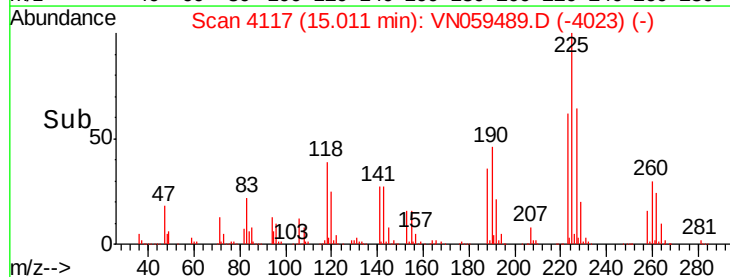
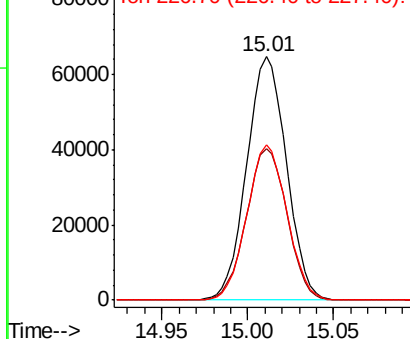


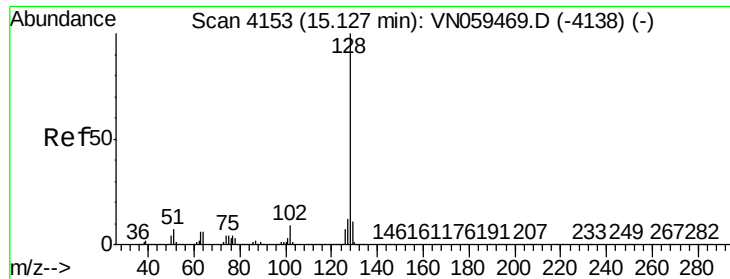
#94
 Hexachlorobutadiene
 Concen: 33.669 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059489.D
 Acq: 4 Dec 2019 17:27

Tgt Ion:225 Resp: 103892
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.9 95.5
 227 64.3 32.0 96.2



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





#95

Naphthalene

Concen: 31.540 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

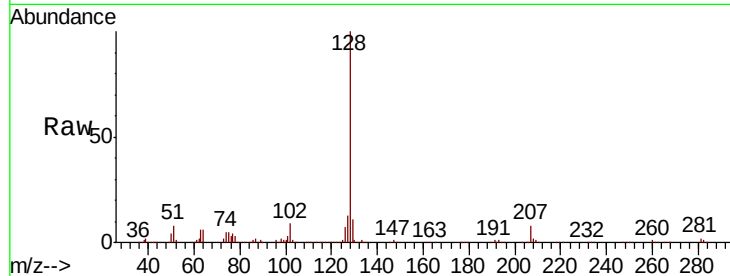
Tot Ion:128 Resp: 453736

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

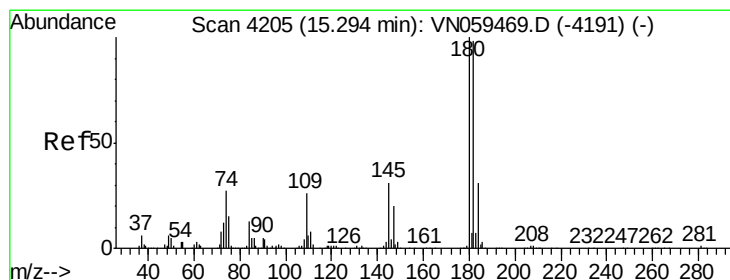
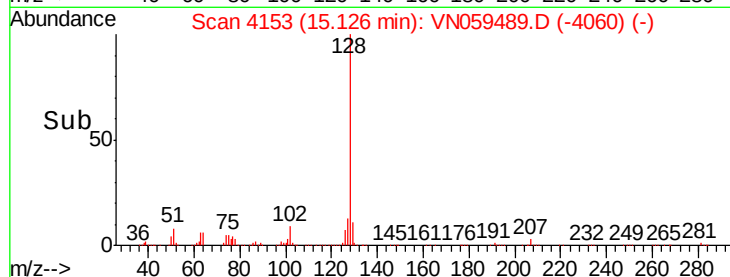
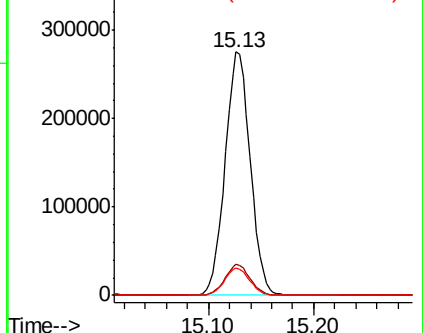
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 32.479 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059489.D

Acq: 4 Dec 2019 17:27

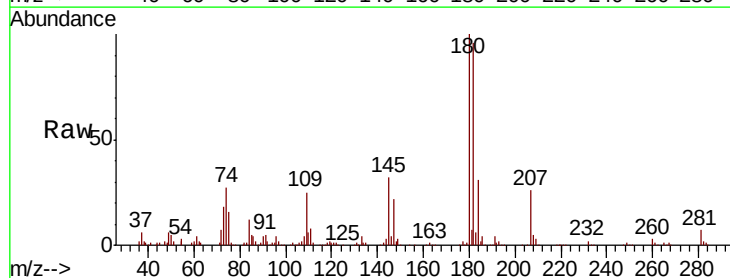
Tgt Ion:180 Resp: 171741

Ion Ratio Lower Upper

180 100

182 94.9 48.5 145.5

145 32.2 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

