

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059526.D
 Acq On : 9 Dec 2019 14:46
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 09 16:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:15:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	221357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	361371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	404608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	3605	1.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.62%	
35) Dibromofluoromethane	7.57	113	2369	1.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.16%	
50) Toluene-d8	10.08	98	9206	1.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.14%	
62) 4-Bromofluorobenzene	12.40	95	3980	1.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	2751	1.129	ug/l	96
3) Chloromethane	2.04	50	5324	1.601	ug/l	90
4) Vinyl Chloride	2.17	62	3856	1.721	ug/l	89
5) Bromomethane	2.55	94	3075	2.230	ug/l	90
6) Chloroethane	2.68	64	2446	1.869	ug/l	97
7) Trichlorofluoromethane	3.00	101	4474	1.674	ug/l	97
8) Diethyl Ether	3.39	74	1286	0.849	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.73	101	2050	0.893	ug/l	92
10) Methyl Iodide	3.93	142	3176	1.102	ug/l	94
11) Tert butyl alcohol	4.76	59	1121	2.230	ug/l #	71
12) 1,1-Dichloroethene	3.71	96	2067	0.927	ug/l #	85
14) Allyl chloride	4.29	41	4887	1.104	ug/l #	87
15) Acrylonitrile	4.97	53	6108	4.484	ug/l #	65
16) Acetone	3.81	43	10858	6.012	ug/l	94
17) Carbon Disulfide	4.03	76	12724	1.661	ug/l	99
18) Methyl Acetate	4.30	43	4956	1.369	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	3644	0.475	ug/l	98
20) Methylene Chloride	4.52	84	4481	1.579	ug/l	94
21) trans-1,2-Dichloroethene	5.00	96	2418	0.964	ug/l #	73
22) Diisopropyl ether	5.92	45	6810	0.825	ug/l #	87
23) Vinyl Acetate	5.87	43	28786	4.326	ug/l	96
24) 1,1-Dichloroethane	5.82	63	4464	0.954	ug/l #	85
25) 2-Butanone	6.82	43	9300	4.555	ug/l	90
26) 2,2-Dichloropropane	6.80	77	4382	1.072	ug/l #	71
27) cis-1,2-Dichloroethene	6.80	96	2830	1.014	ug/l	63
28) Bromochloromethane	7.17	49	518	0.347	ug/l #	32
29) Tetrahydrofuran	7.20	42	6874	5.328	ug/l	94
30) Chloroform	7.35	83	4418	0.970	ug/l	94
31) Cyclohexane	7.64	56	8801	1.953	ug/l #	57
32) 1,1,1-Trichloroethane	7.55	97	3824	0.963	ug/l #	53
36) 1,1-Dichloropropene	7.77	75	3445	0.935	ug/l #	87
37) Ethyl Acetate	6.91	43	2680	0.651	ug/l #	74
38) Carbon Tetrachloride	7.75	117	3304	0.928	ug/l	94
39) Methylcyclohexane	9.07	83	3392	0.772	ug/l	93

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Quant Time: Dec 09 16:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:15:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.02	78	9991	0.930	ug/l	97
41) Methacrylonitrile	7.14	41	1083	0.638	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	3721	0.998	ug/l	83
43) Isopropyl Acetate	8.14	43	5329	0.865	ug/l #	85
44) Trichloroethene	8.82	130	2583	0.922	ug/l	96
45) 1,2-Dichloropropane	9.10	63	2471	0.860	ug/l	93
46) Dibromomethane	9.20	93	1669	0.928	ug/l	94
47) Bromodichloromethane	9.39	83	3399	0.939	ug/l #	97
48) Methyl methacrylate	9.18	41	2526	0.911	ug/l #	88
49) 1,4-Dioxane	9.20	88	578	14.150	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	14001	3.839	ug/l	99
52) Toluene	10.15	92	5440	0.840	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	3863	0.910	ug/l #	87
54) cis-1,3-Dichloropropene	9.83	75	3900	0.871	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	2385	0.932	ug/l	91
56) Ethyl methacrylate	10.43	69	2605	0.703	ug/l #	84
57) 1,3-Dichloropropane	10.70	76	4281	0.964	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.68	63	8265	7.633	ug/l	90
59) 2-Hexanone	10.75	43	12783	4.657	ug/l	92
60) Dibromochloromethane	10.89	129	2674	0.973	ug/l	93
61) 1,2-Dibromoethane	11.00	107	2773	1.046	ug/l	97
64) Tetrachloroethene	10.63	164	2037	0.621	ug/l	94
65) Chlorobenzene	11.43	112	8309	0.965	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.50	131	2679	0.863	ug/l #	53
67) Ethyl Benzene	11.51	91	12833	0.849	ug/l	96
68) m/p-Xylenes	11.62	106	8850	1.559	ug/l	88
69) o-Xylene	11.94	106	4401	0.814	ug/l	94
70) Stvrene	11.96	104	6650	0.768	ug/l	98
71) Bromoform	12.13	173	2011	0.820	ug/l #	95
73) Isopropylbenzene	12.25	105	10985	1.040	ug/l	97
74) N-amyl acetate	12.07	43	4602	1.067	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	4374	1.276	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	5497	1.624	ug/l #	100
77) Bromobenzene	12.52	156	3290	1.230	ug/l	96
78) n-propylbenzene	12.59	91	12156	0.979	ug/l	98
79) 2-Chlorotoluene	12.67	91	6393	0.853	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	7396	0.827	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	1285	1.030	ug/l	87
82) 4-Chlorotoluene	12.77	91	7337	0.945	ug/l	100
83) tert-Butylbenzene	12.99	119	6047	0.780	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	6872	0.785	ug/l	98
85) sec-Butylbenzene	13.17	105	8517	0.827	ug/l	99
86) p-Isopropyltoluene	13.29	119	7000	0.756	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4893	1.028	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	4893	1.018	ug/l	99
89) n-Butylbenzene	13.62	91	7924	0.952	ug/l	95
90) Hexachloroethane	13.88	117	1634	0.915	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	4669	1.025	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1467	1.773	ug/l #	48
93) 1,2,4-Trichlorobenzene	14.91	180	3857	1.346	ug/l	95

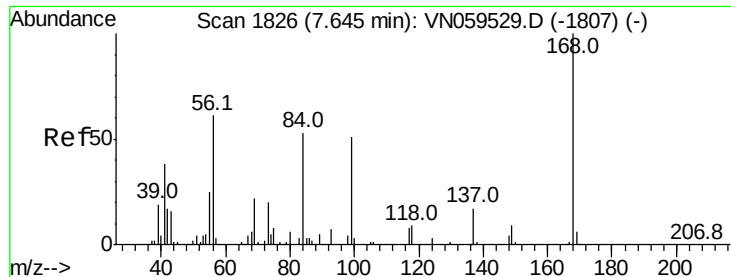
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Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:15:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	2093	1.173	ug/l	93
95) Naphthalene	15.13	128	13081	1.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	4328	1.412	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

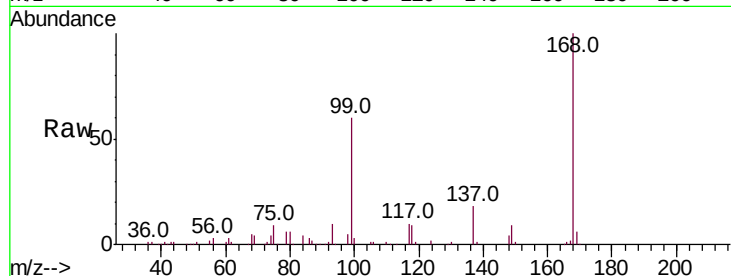
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 221357

Ion Ratio Lower Upper

168 100

99 60.0 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

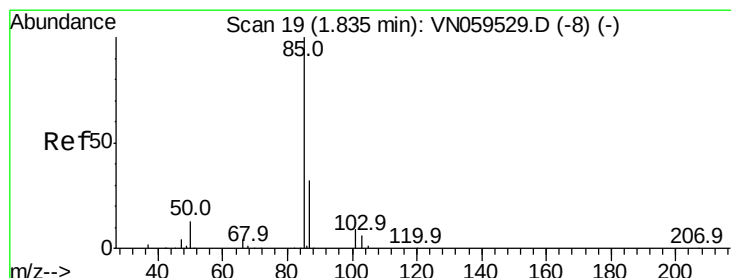
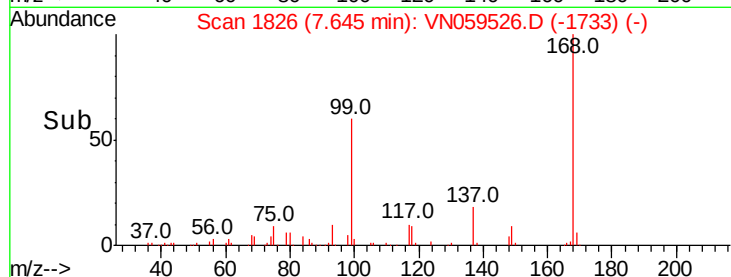
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.129 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059526.D

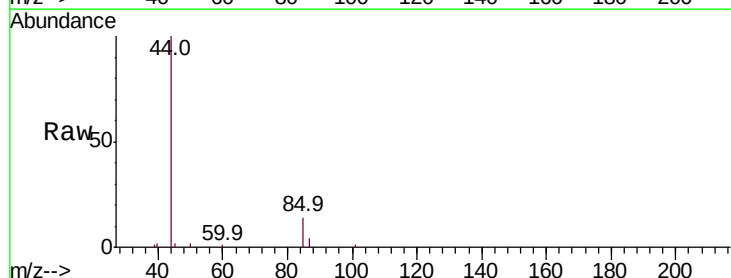
Acq: 9 Dec 2019 14:46

Tgt Ion: 85 Resp: 2751

Ion Ratio Lower Upper

85 100

87 29.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

2500

2000

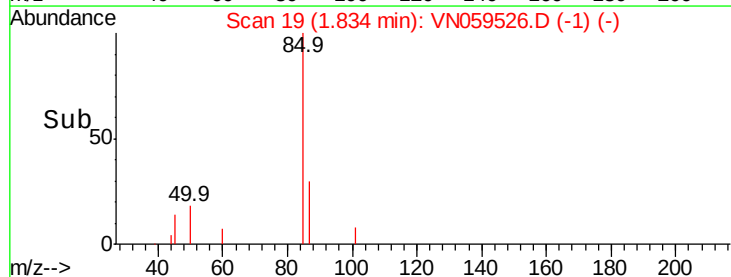
1500

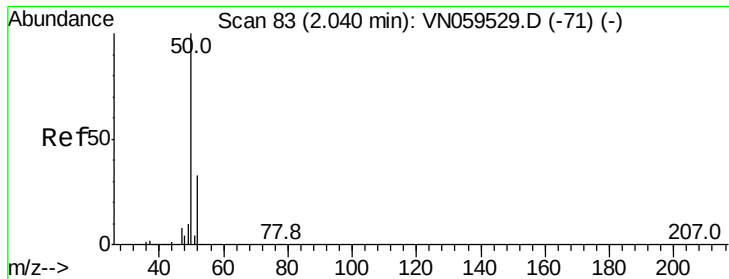
1000

500

0

Time-->





#3

Chloromethane

Concen: 1.601 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

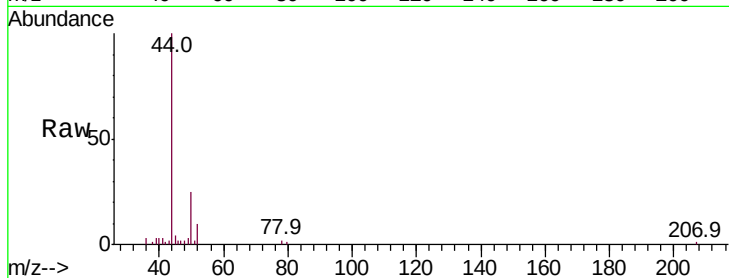
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 5324

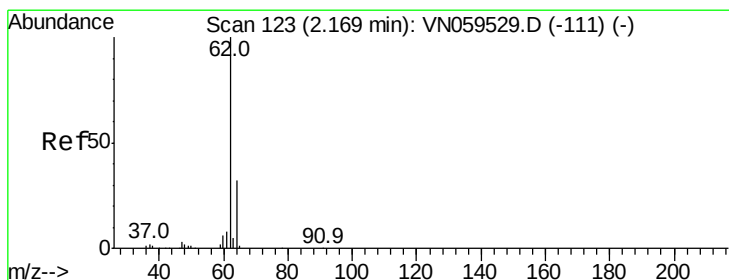
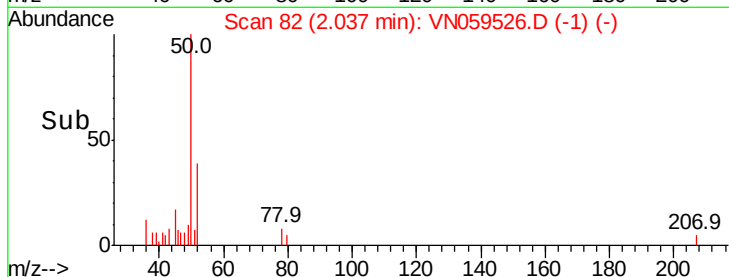
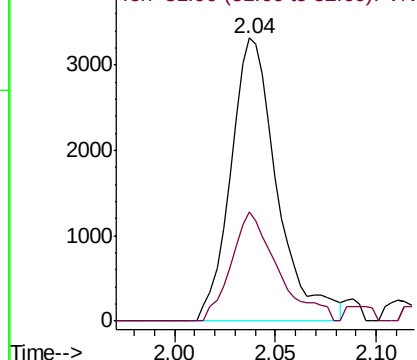
Ion Ratio Lower Upper

50 100

52 38.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC
Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 1.721 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059526.D

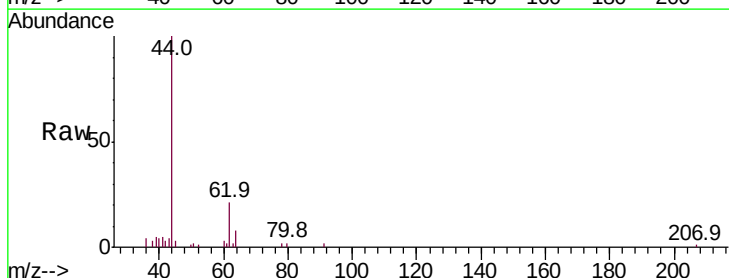
Acq: 9 Dec 2019 14:46

Tgt Ion: 62 Resp: 3856

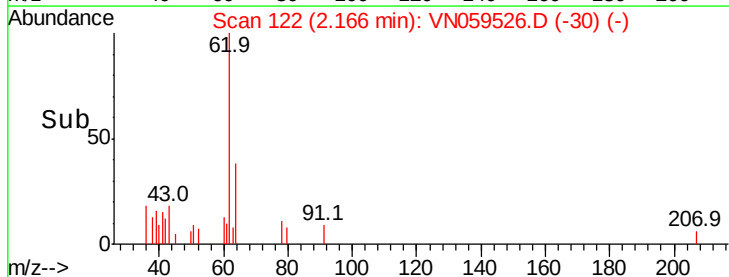
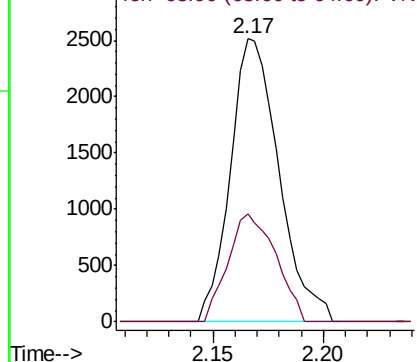
Ion Ratio Lower Upper

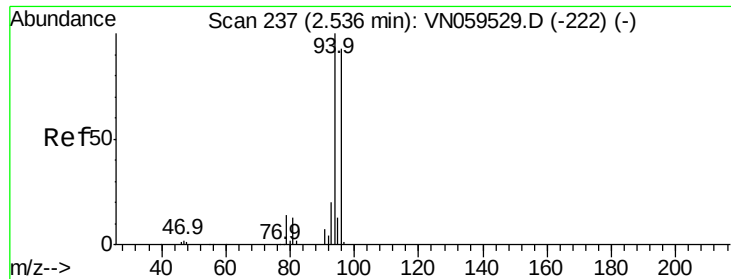
62 100

64 38.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 2.230 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

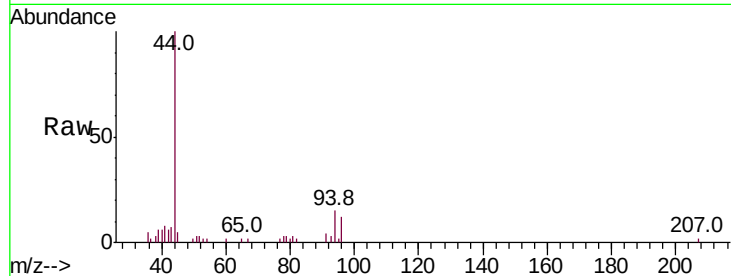
ClientSampleId :

Tot Ion: 94 Resp: 3075

Ion Ratio Lower Upper

94 100

96 83.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN059529.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059526.D (-144) (-)

2.55

1500

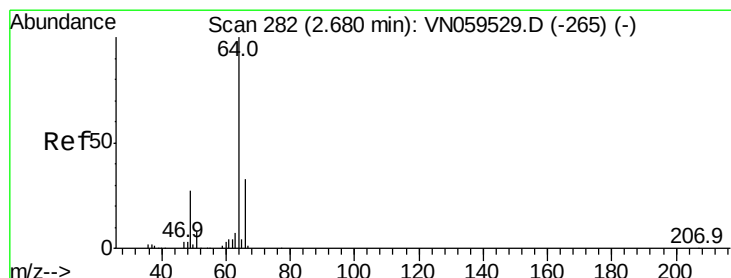
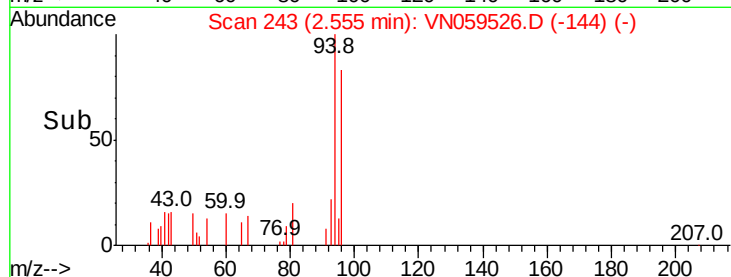
1000

500

0

2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 1.869 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059526.D

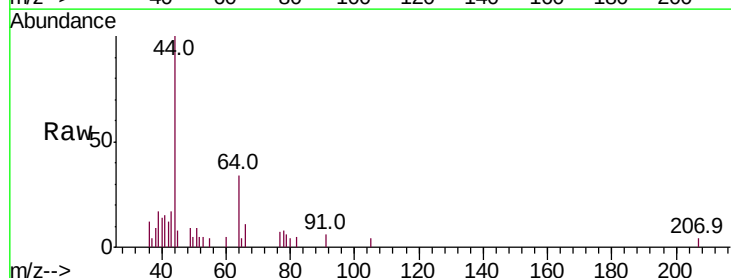
Acq: 9 Dec 2019 14:46

Tgt Ion: 64 Resp: 2446

Ion Ratio Lower Upper

64 100

66 31.6 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN059529.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN059526.D (-189) (-)

2.68

1500

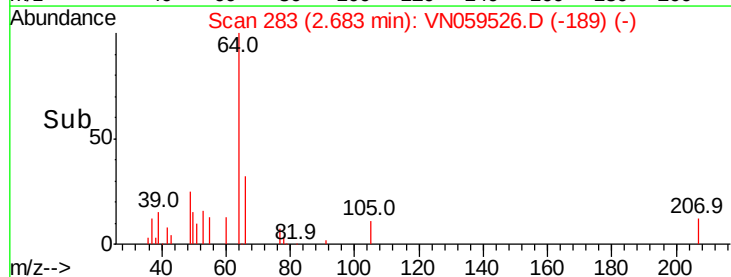
1000

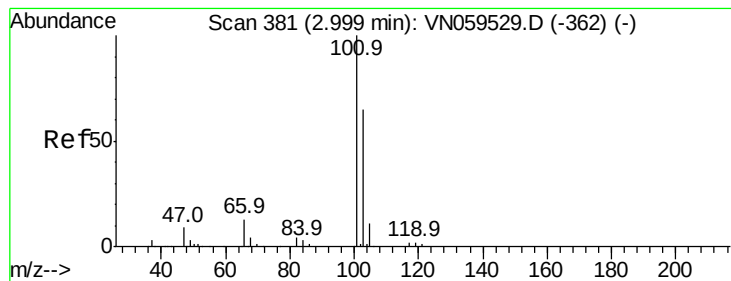
500

0

2.65 2.70

Time-->



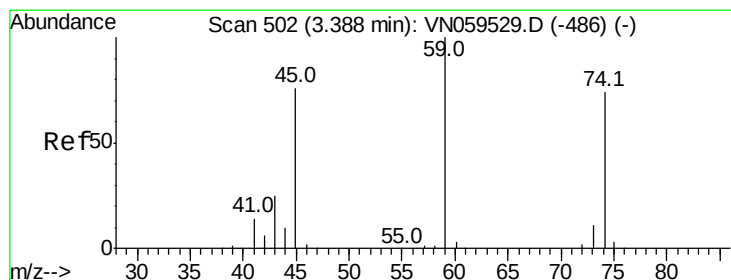
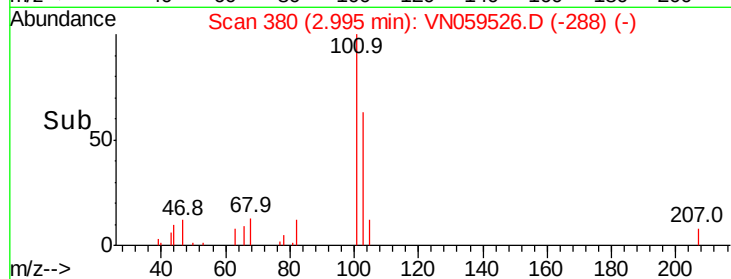
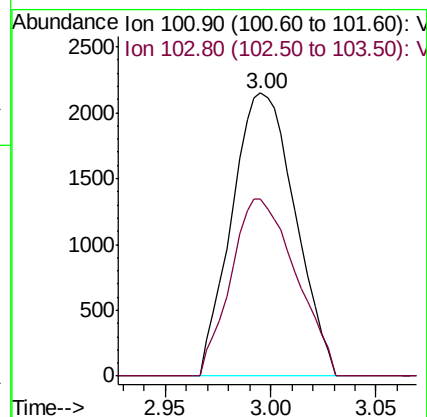
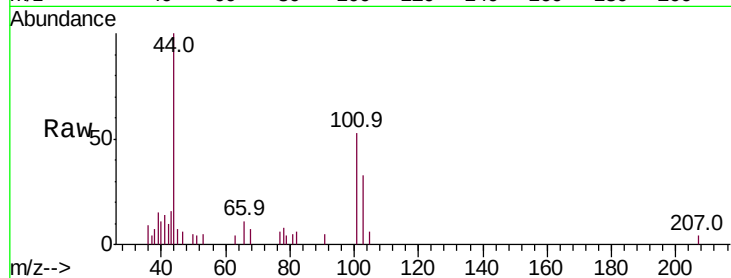


#7

Trichlorofluoromethane
Concen: 1.674 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :

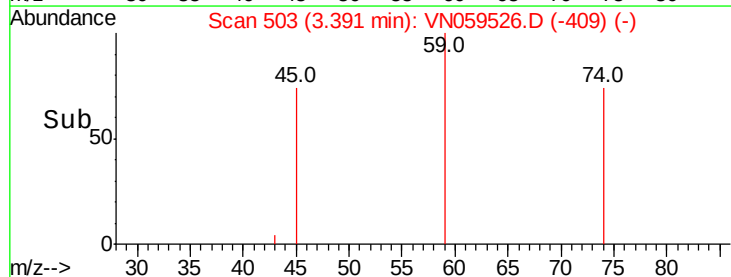
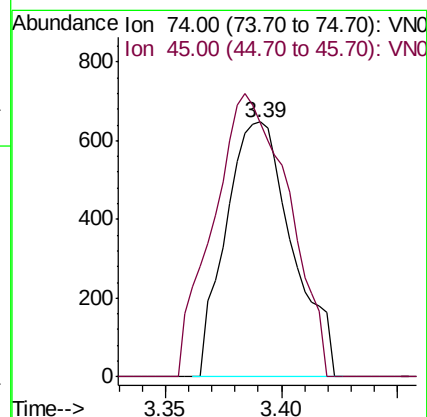
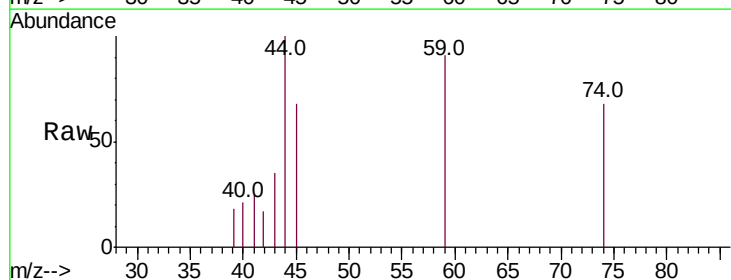
Tot Ion:101 Resp: 4474
Ion Ratio Lower Upper
101 100
103 62.5 52.2 78.4

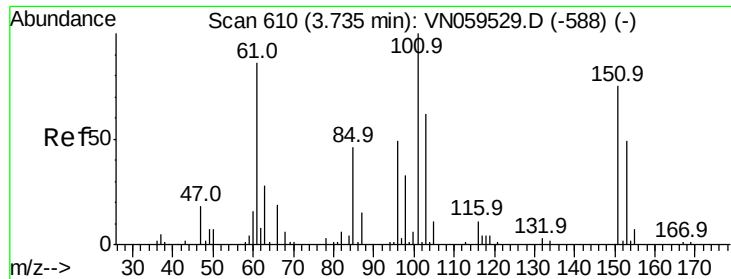


#8

Diethyl Ether
Concen: 0.849 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 74 Resp: 1286
Ion Ratio Lower Upper
74 100
45 126.2 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.893 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

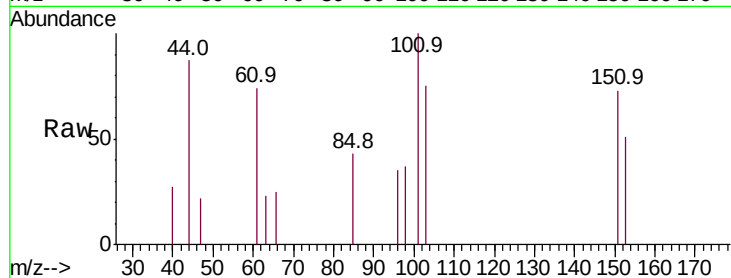
Tot Ion:101 Resp: 2050

Ion Ratio Lower Upper

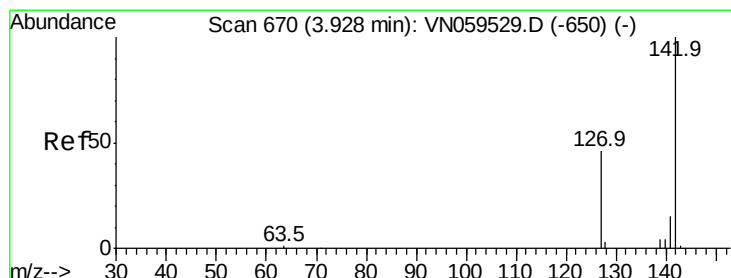
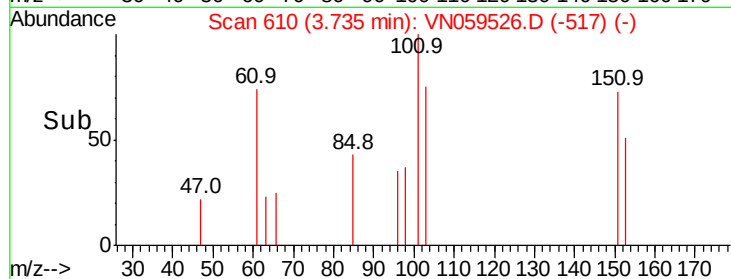
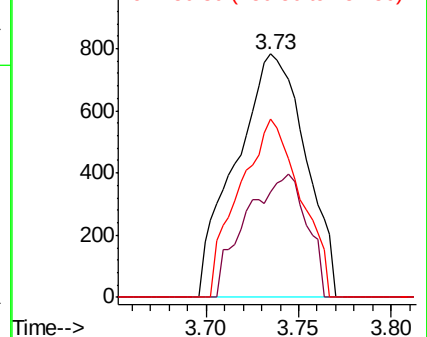
101 100

85 44.0 36.6 54.8

151 64.2 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.102 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

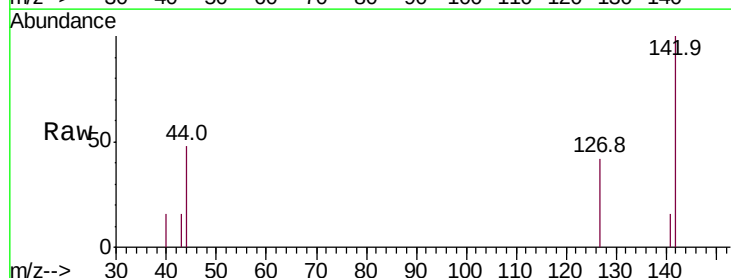
Tgt Ion:142 Resp: 3176

Ion Ratio Lower Upper

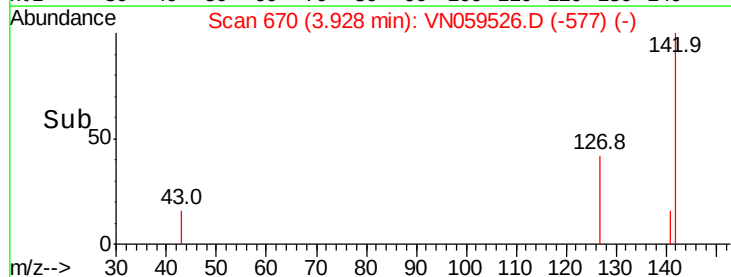
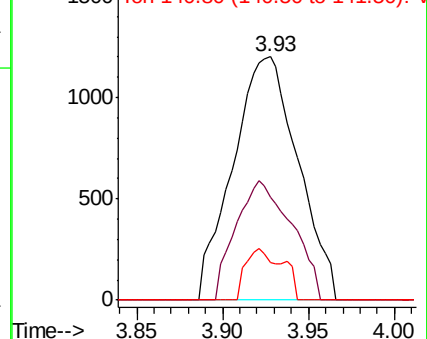
142 100

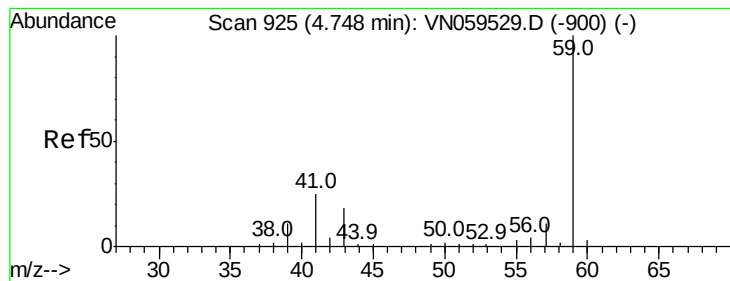
127 42.1 36.6 54.8

141 12.0 11.6 17.4



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



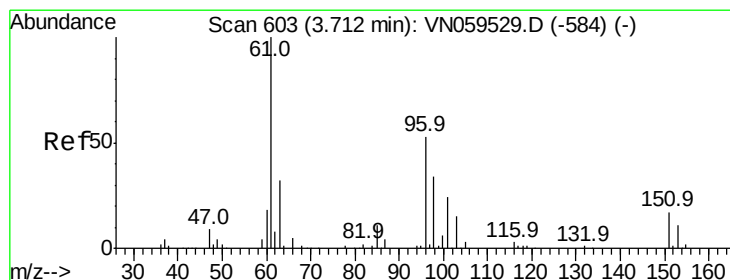
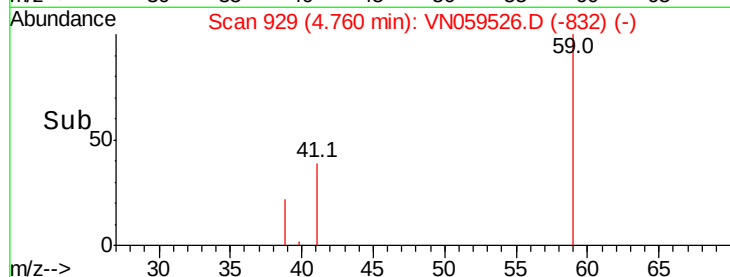
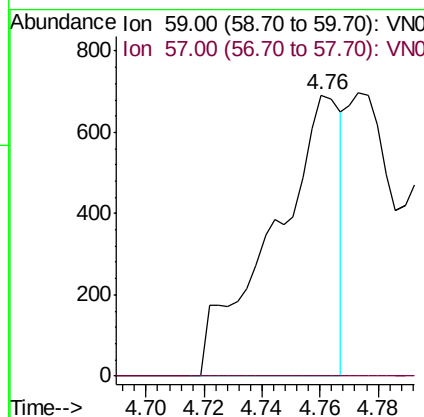
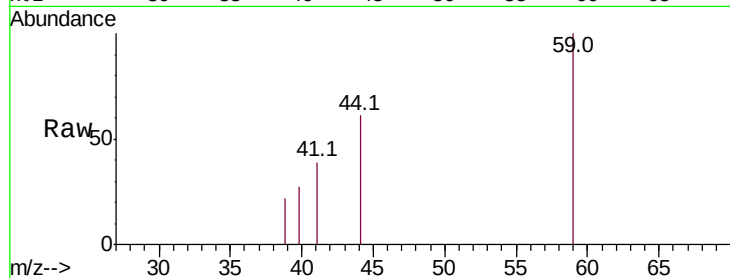


#11

Tert butyl alcohol
 Concen: 2.230 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :

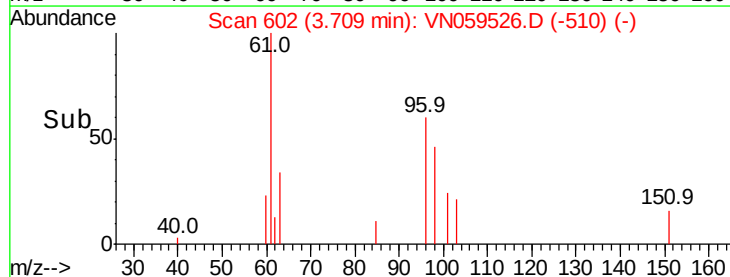
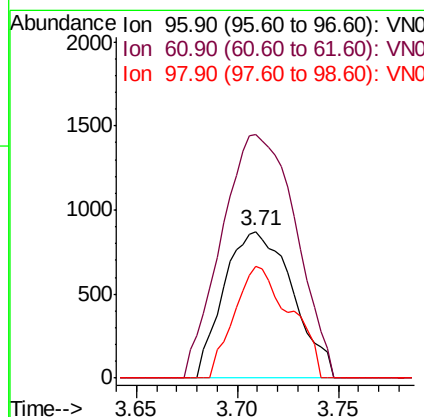
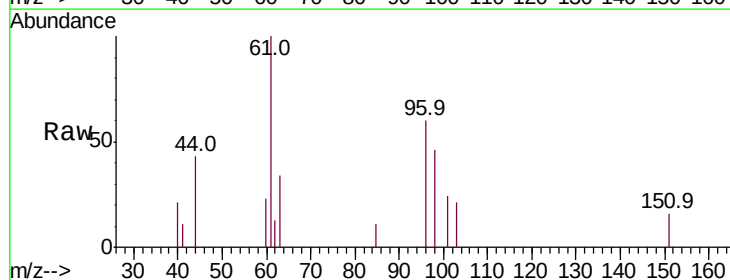
Tot Ion: 59 Resp: 1121
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

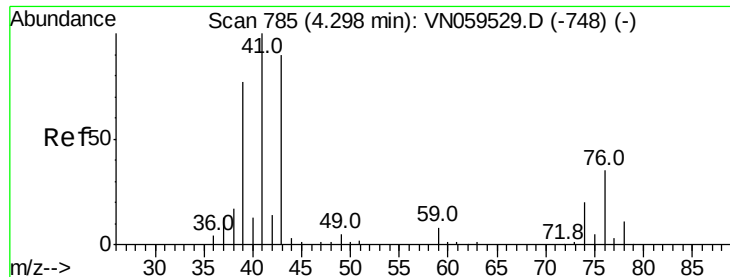


#12

1,1-Dichloroethene
 Concen: 0.927 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Tgt Ion: 96 Resp: 2067
 Ion Ratio Lower Upper
 96 100
 61 165.9 149.8 224.6
 98 76.2 50.6 75.8#

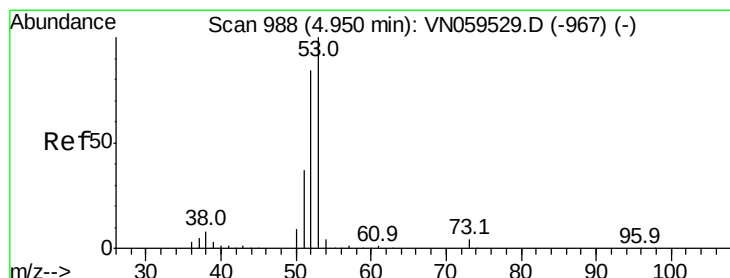
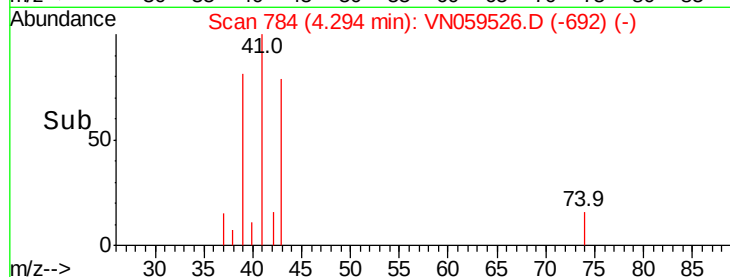
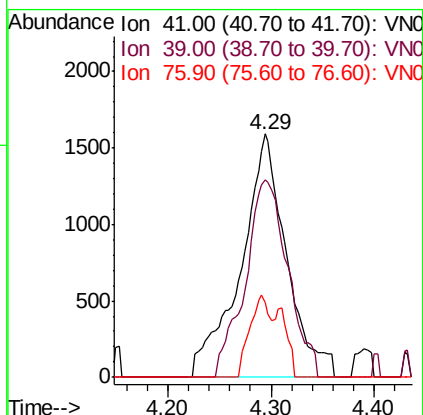
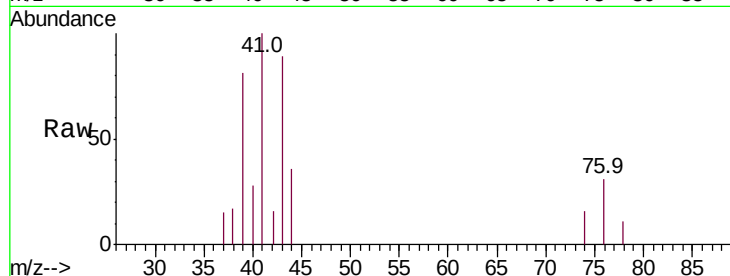




#14
Allvl chloride
Concen: 1.104 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

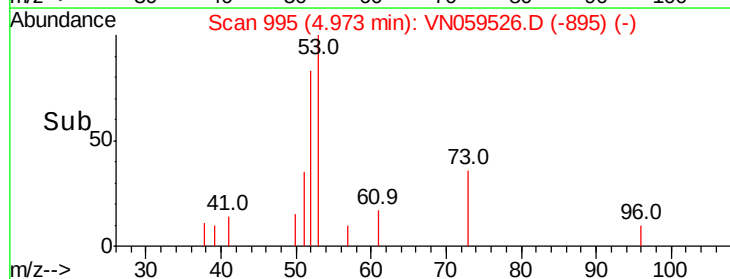
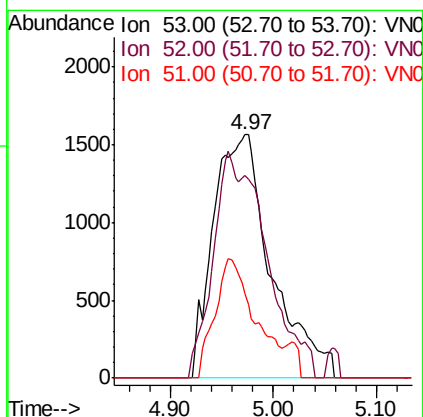
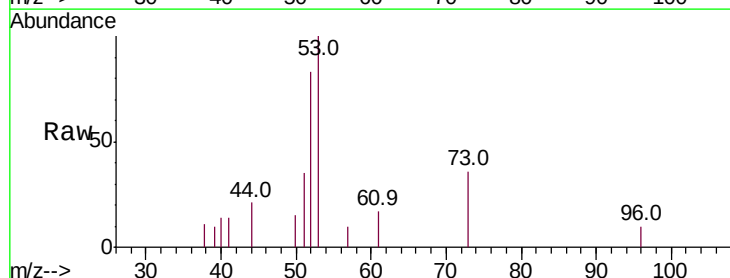
Instrument :
MSVOA_N
ClientSampled :

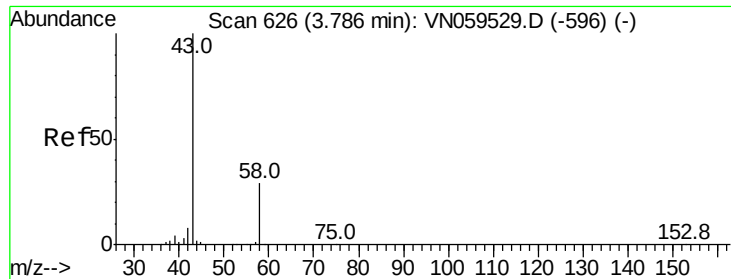
Tot Ion: 41 Resp: 4887
Ion Ratio Lower Upper
41 100
39 75.4 56.7 85.1
76 14.9 25.5 38.3#



#15
Acrylonitrile
Concen: 4.484 ug/l
RT: 4.97 min Scan# 995
Delta R.T. 0.02 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 53 Resp: 6108
Ion Ratio Lower Upper
53 100
52 40.0 66.6 99.8#
51 34.0 29.8 44.8





#16

Acetone

Concen: 6.012 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

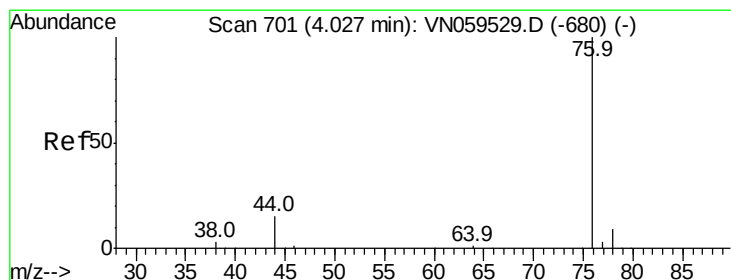
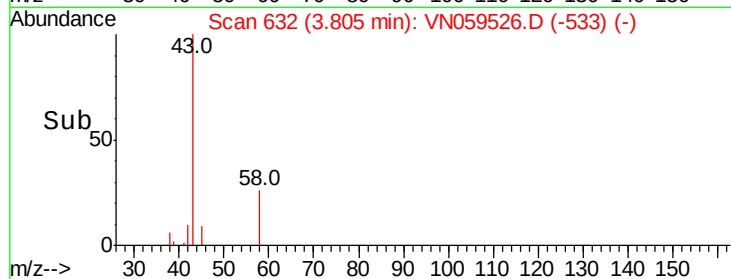
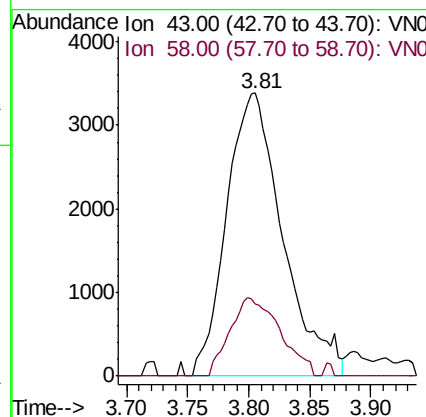
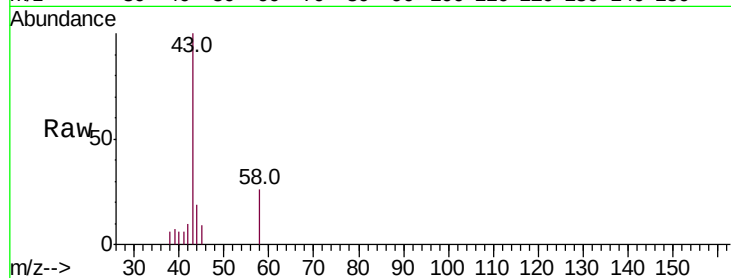
ClientSampleId :

Tot Ion: 43 Resp: 10858

Ion Ratio Lower Upper

43 100

58 25.6 23.0 34.4



#17

Carbon Disulfide

Concen: 1.661 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059526.D

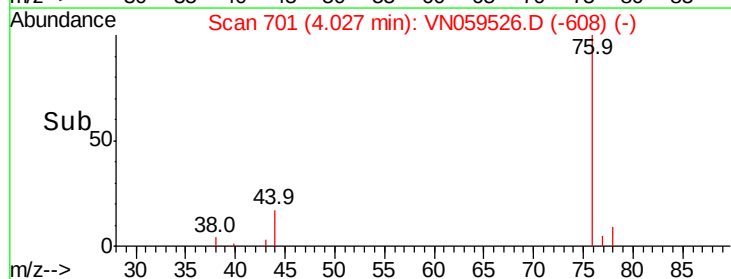
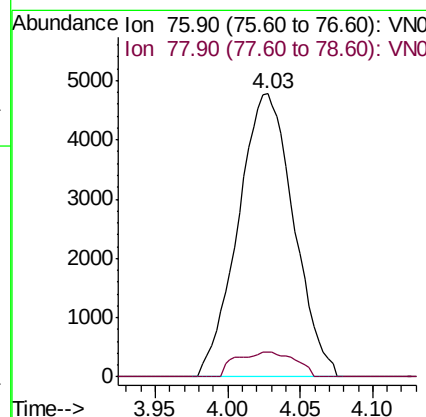
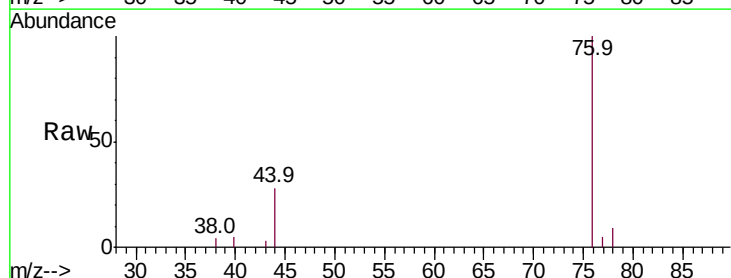
Acq: 9 Dec 2019 14:46

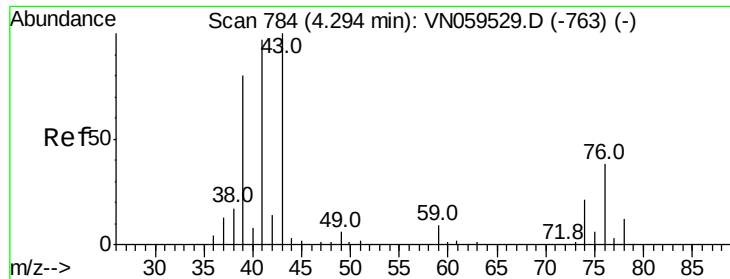
Tgt Ion: 76 Resp: 12724

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2

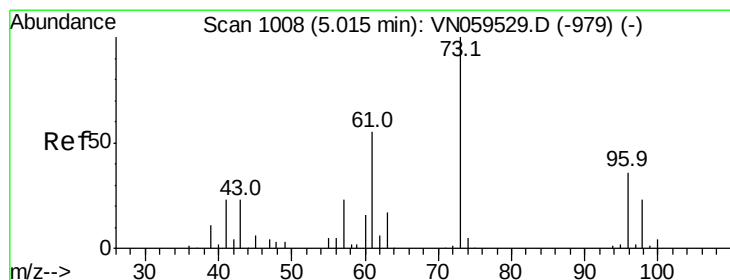
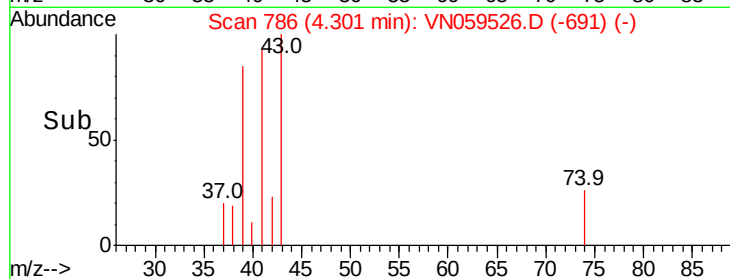
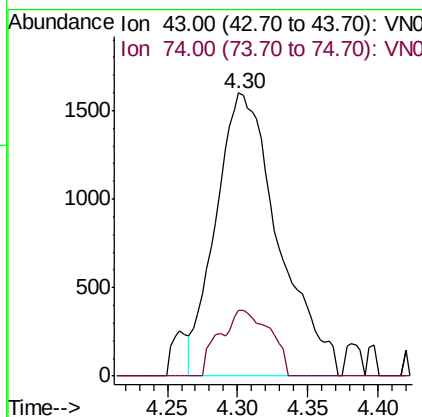
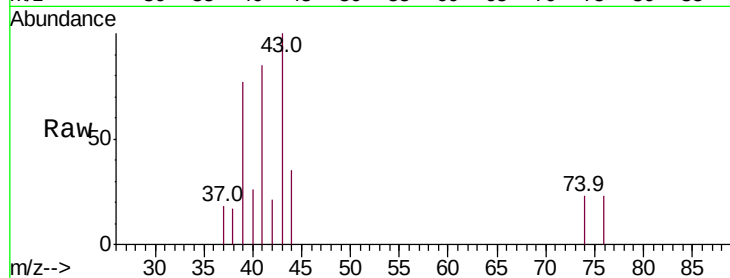




#18
Methyl Acetate
Concen: 1.369 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

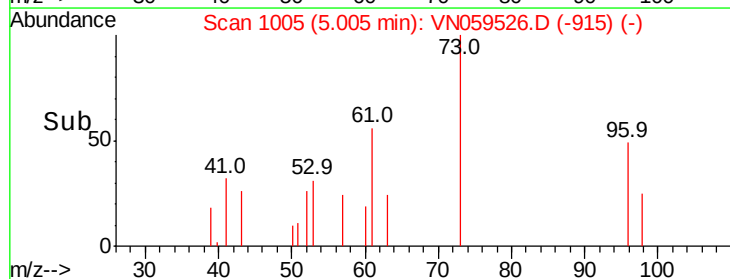
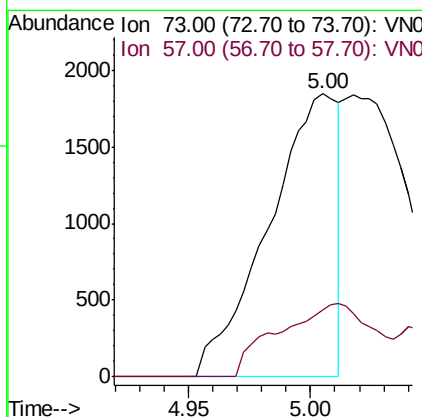
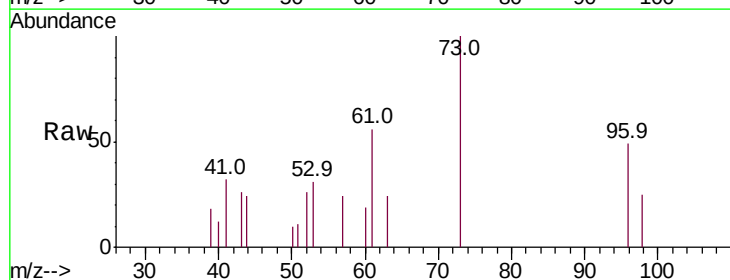
Instrument :
MSVOA_N
ClientSampled :

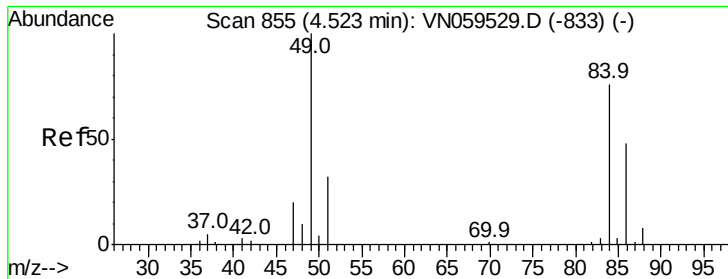
Tot Ion: 43 Resp: 4956
Ion Ratio Lower Upper
43 100
74 18.6 17.5 26.3



#19
Methyl tert-butyl Ether
Concen: 0.475 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 73 Resp: 3644
Ion Ratio Lower Upper
73 100
57 23.8 18.3 27.5





#20

Methylene Chloride

Concen: 1.579 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 4481

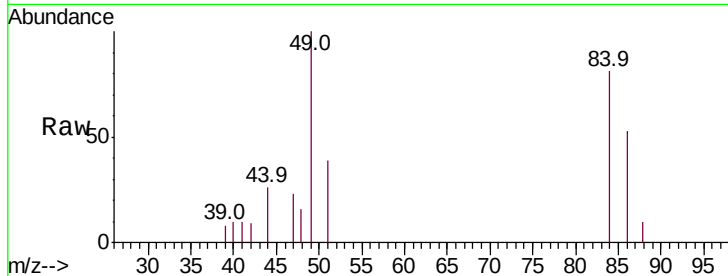
Ion Ratio Lower Upper

84 100

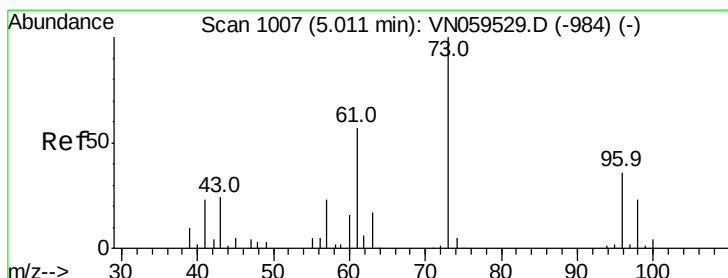
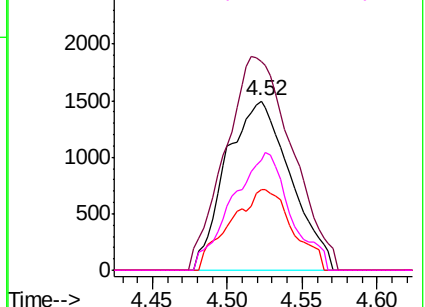
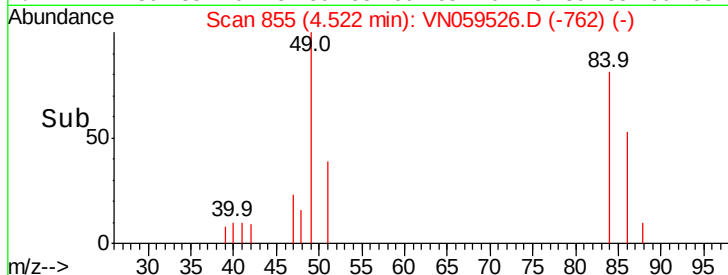
49 123.0 105.8 158.8

51 47.7 33.7 50.5

86 65.0 51.0 76.4



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0



#21

trans-1,2-Dichloroethene

Concen: 0.964 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

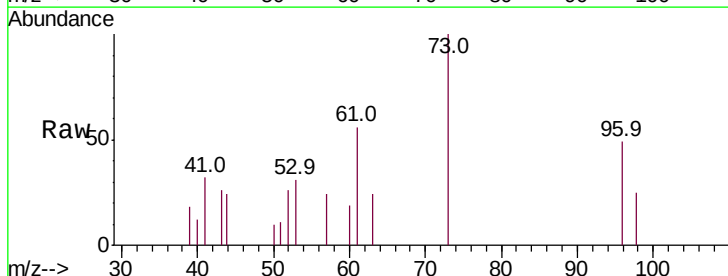
Tgt Ion: 96 Resp: 2418

Ion Ratio Lower Upper

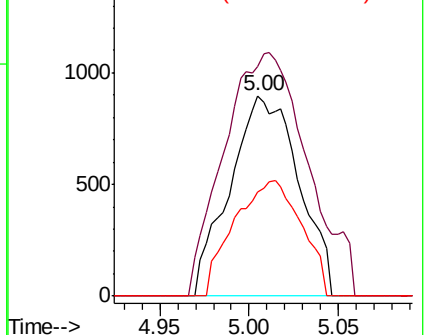
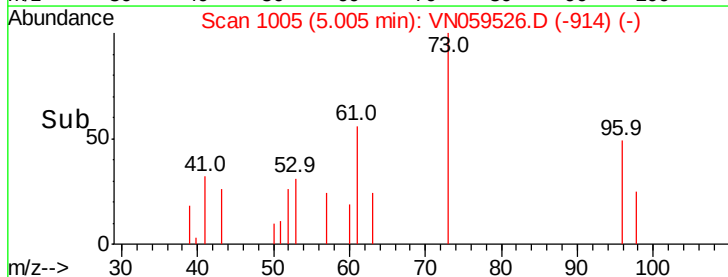
96 100

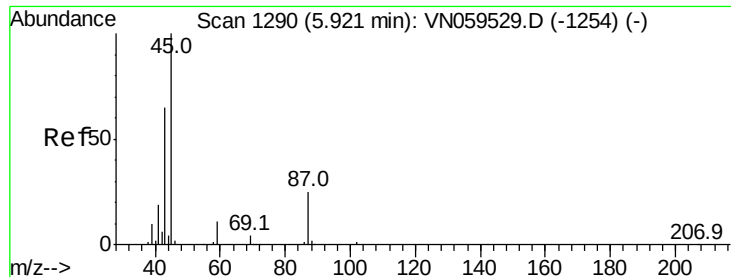
61 114.4 124.8 187.2#

98 51.8 51.0 76.4



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: 0.825 ug/l

RT: 5.92 min Scan# 1289

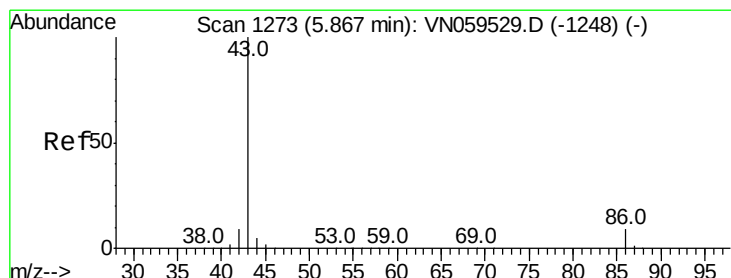
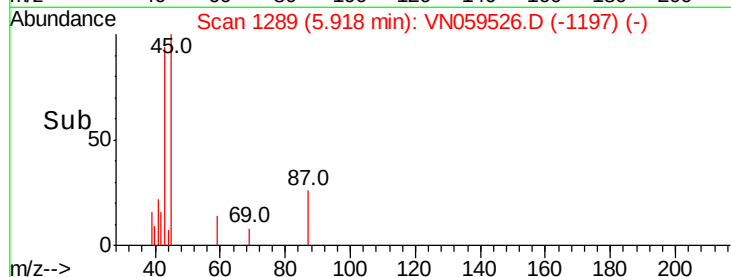
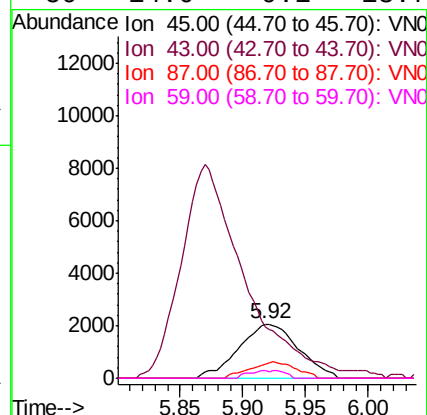
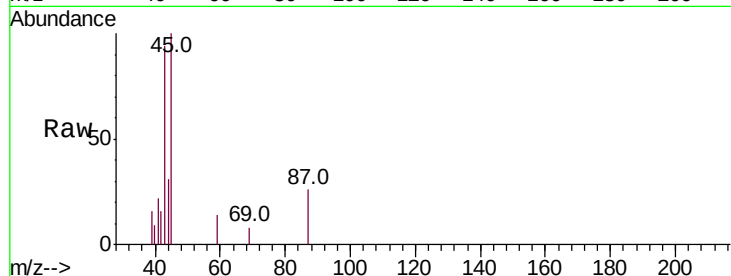
Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	45	Resp:	6810
Ion	Ratio	Lower	Upper
45	100		
43	80.3	52.8	79.2#
87	26.1	20.2	30.4
59	14.0	9.1	13.7#



#23

Vinyl Acetate

Concen: 4.326 ug/l

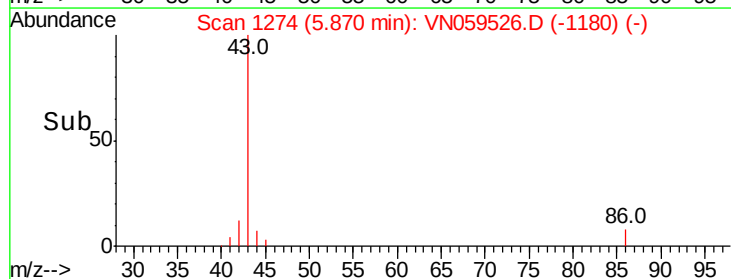
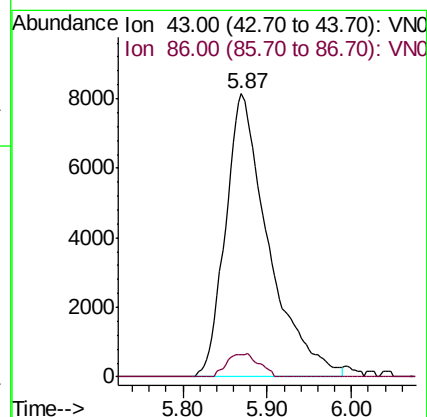
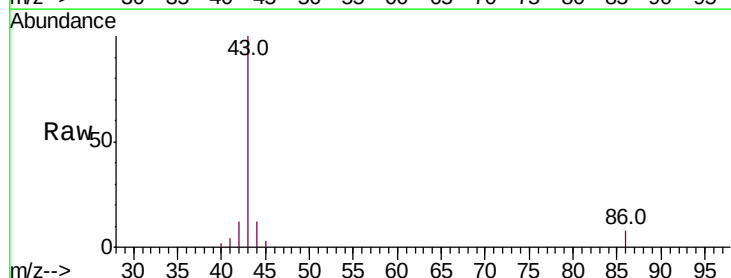
RT: 5.87 min Scan# 1274

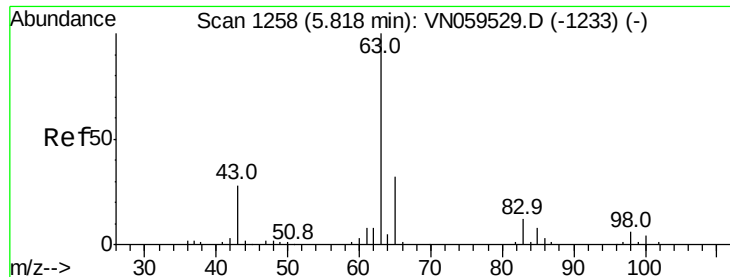
Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Tgt Ion:	43	Resp:	28786
Ion	Ratio	Lower	Upper
43	100		
86	7.9	7.4	11.2





#24

1,1-Dichloroethane

Concen: 0.954 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

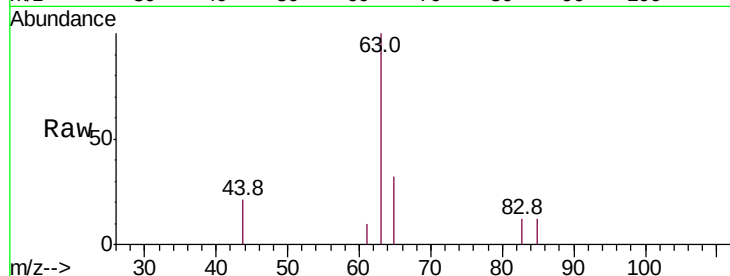
Tot Ion: 63 Resp: 4464

Ion Ratio Lower Upper

63 100

98 0.0 3.0 9.0#

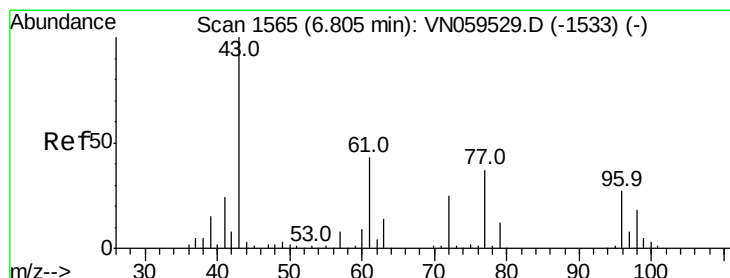
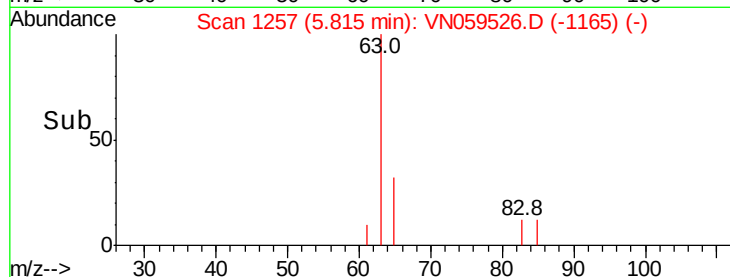
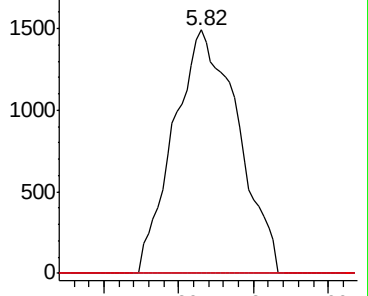
100 0.0 1.8 5.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059529.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059529.D (-1233) (-)



#25

2-Butanone

Concen: 4.555 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN059526.D

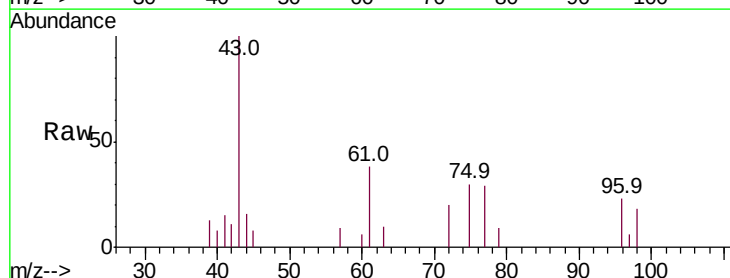
Acq: 9 Dec 2019 14:46

Tgt Ion: 43 Resp: 9300

Ion Ratio Lower Upper

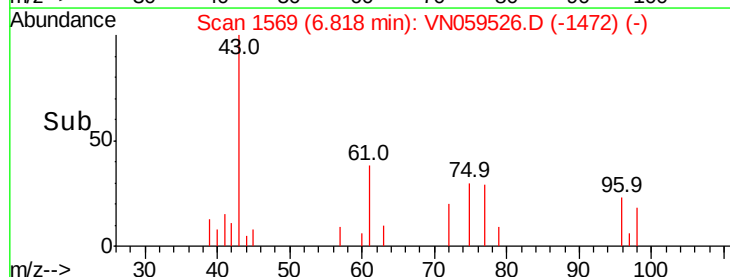
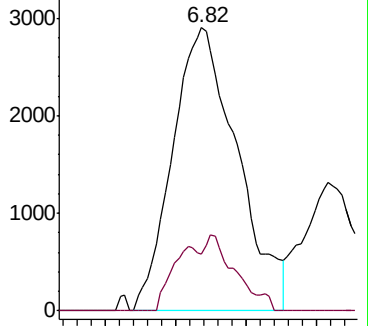
43 100

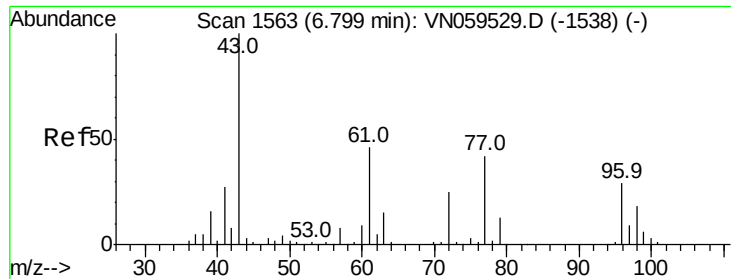
72 20.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1533) (-)

Ion 72.00 (71.70 to 72.70): VN059529.D (-1533) (-)

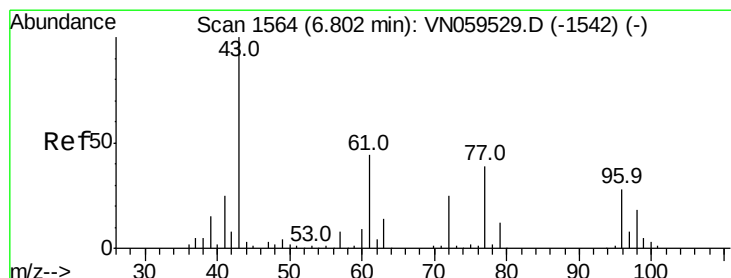
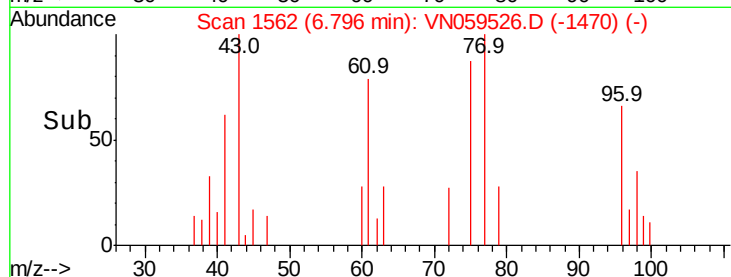
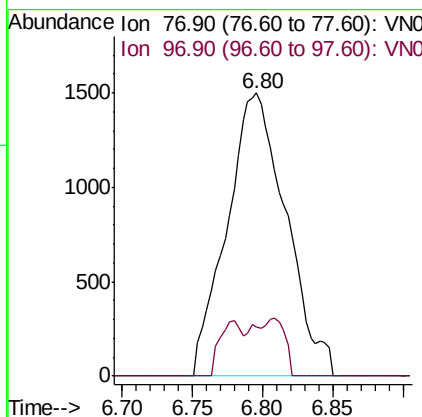
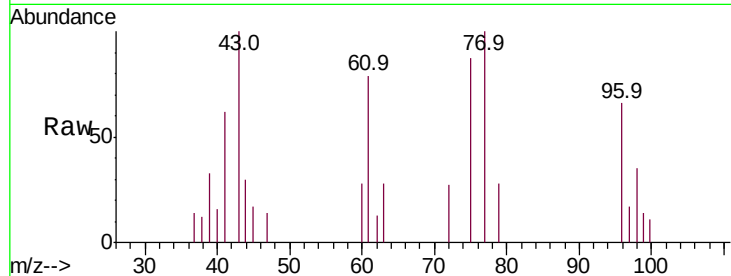




#26
 2,2-Dichloropropane
 Concen: 1.072 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

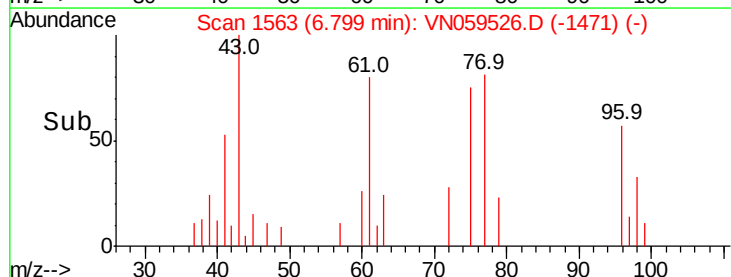
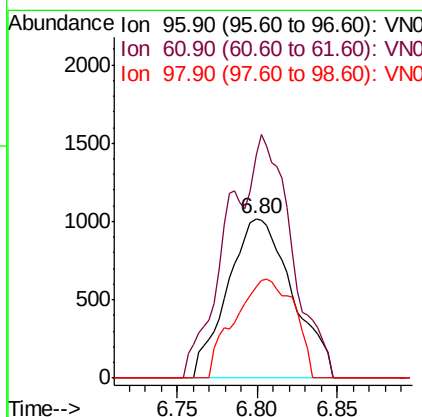
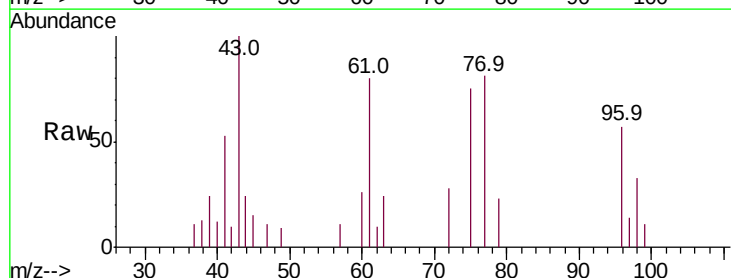
Instrument :
 MSVOA_N
 ClientSampleId :

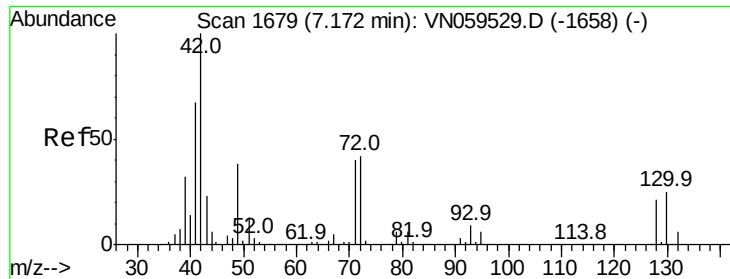
Tot Ion: 77 Resp: 4382
 Ion Ratio Lower Upper
 77 100
 97 7.3 10.5 31.6#



#27
 cis-1,2-Dichloroethene
 Concen: 1.014 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Tgt Ion: 96 Resp: 2830
 Ion Ratio Lower Upper
 96 100
 61 95.5 0.0 320.0
 98 57.2 0.0 128.6

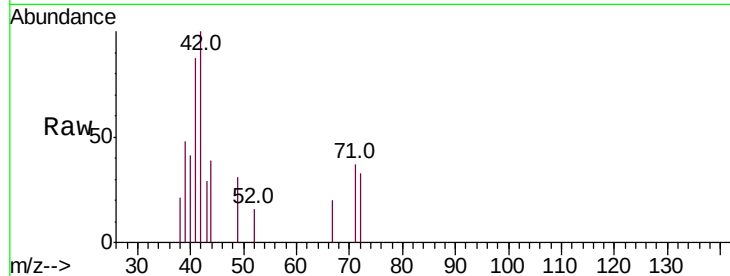




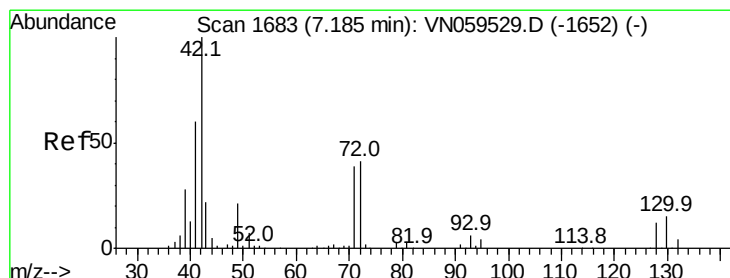
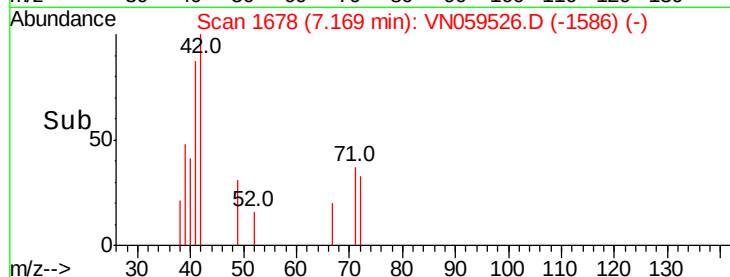
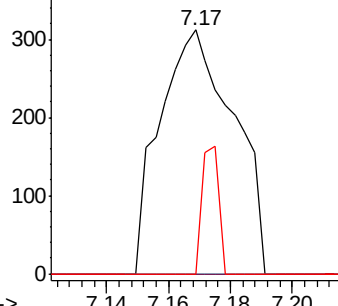
#28
Bromochloromethane
Concen: 0.347 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 49 Resp: 518
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 11.8 54.2 81.2#

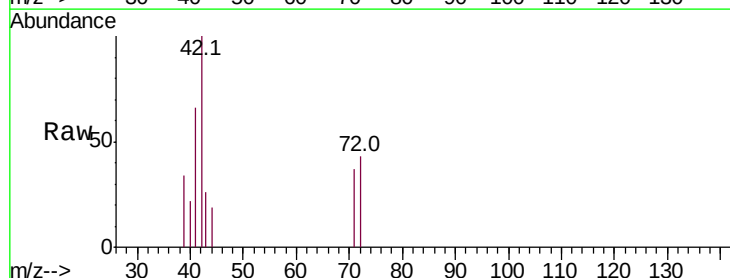


Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

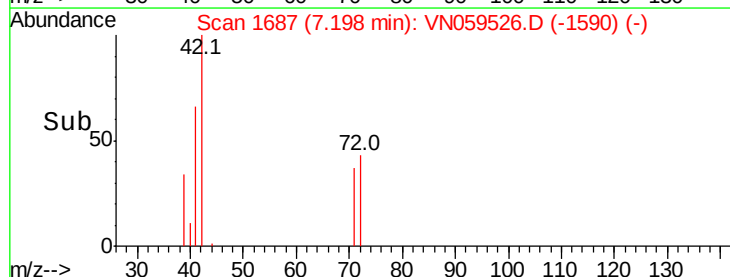
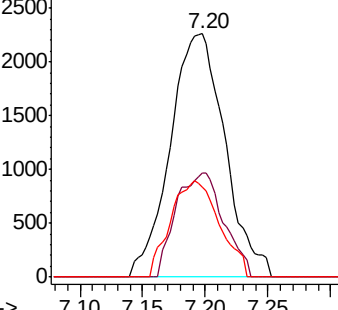


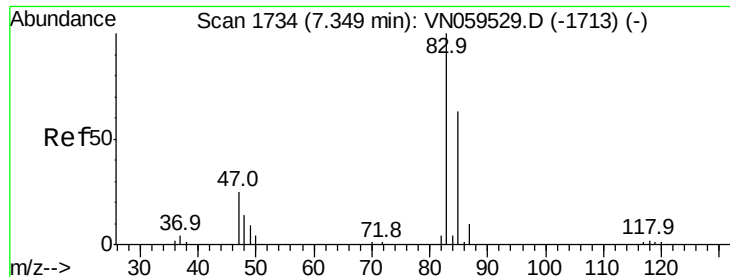
#29
Tetrahydrofuran
Concen: 5.328 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 42 Resp: 6874
Ion Ratio Lower Upper
42 100
72 37.2 32.7 49.1
71 35.1 31.4 47.2



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

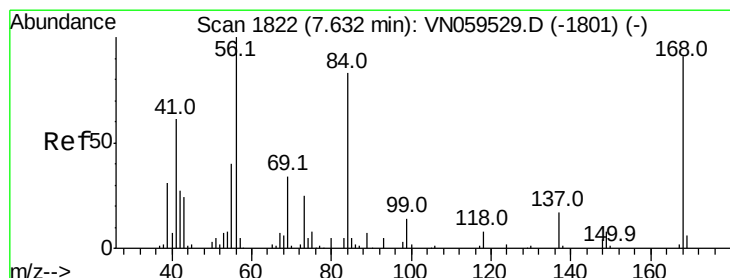
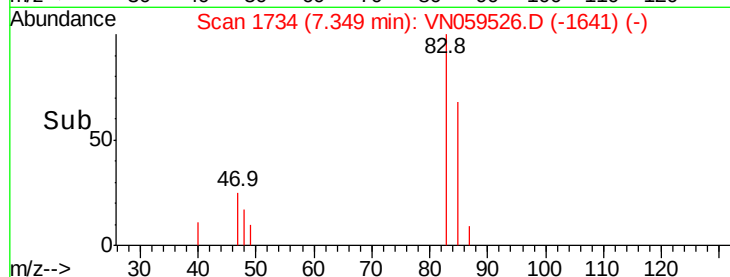
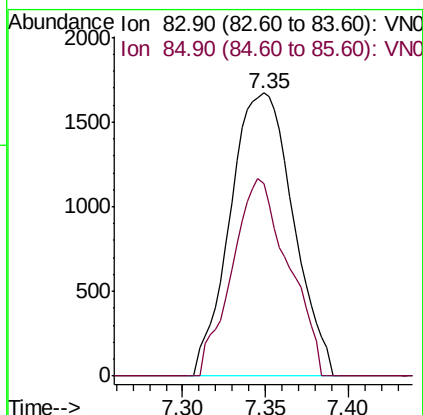
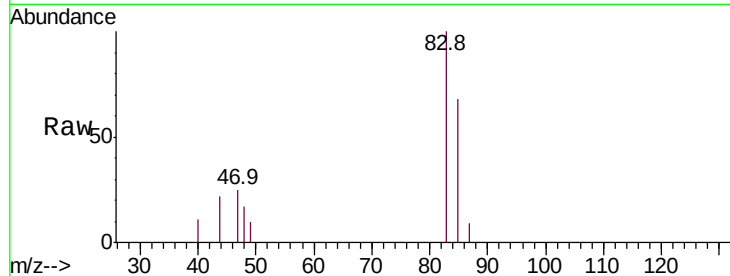




#30
Chloroform
Concen: 0.970 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

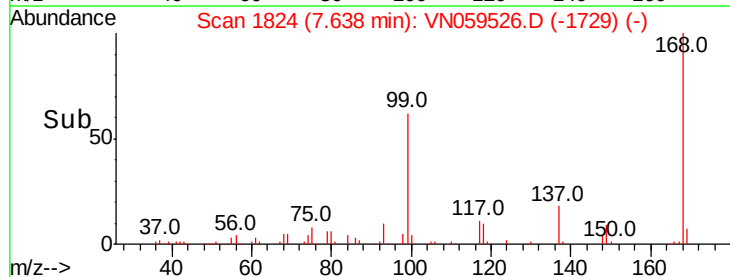
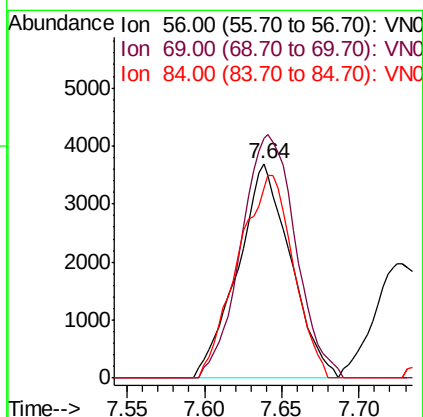
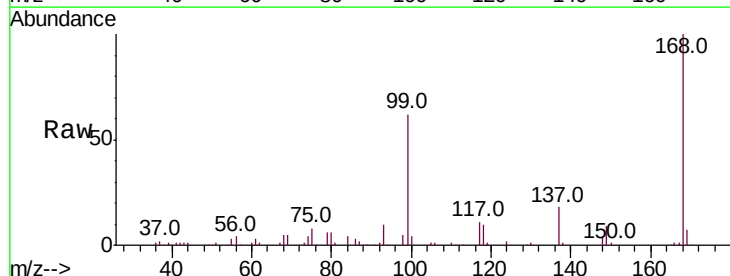
Instrument :
MSVOA_N
ClientSampleId :

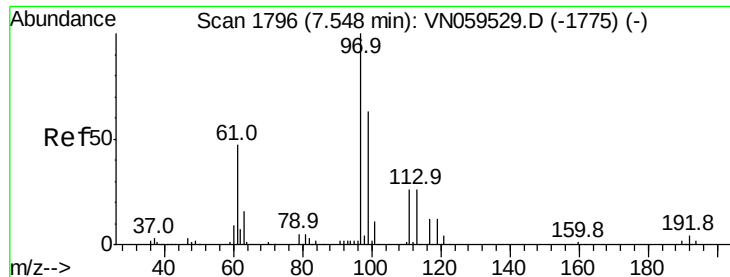
Tot Ion: 83 Resp: 4418
Ion Ratio Lower Upper
83 100
85 68.0 50.6 75.8



#31
Cyclohexane
Concen: 1.953 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 56 Resp: 8801
Ion Ratio Lower Upper
56 100
69 111.7 26.9 40.3#
84 88.2 66.5 99.7

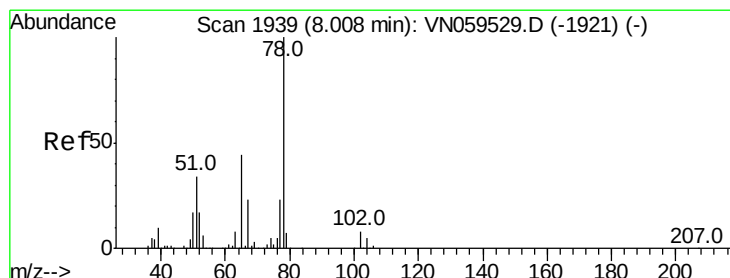
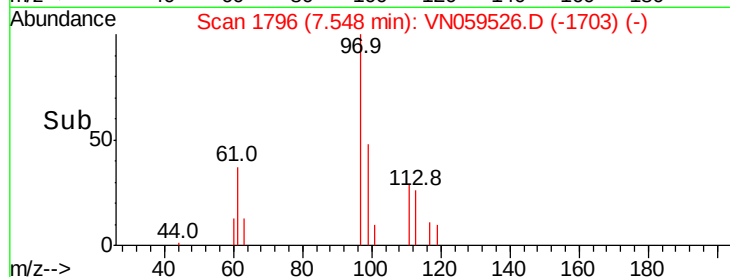
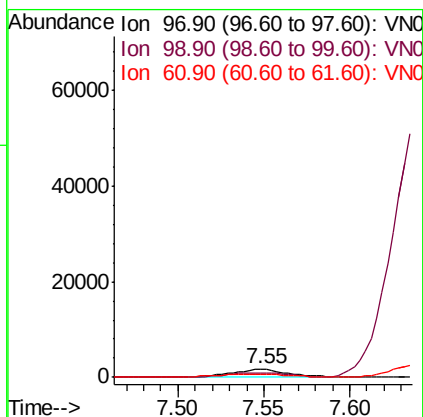
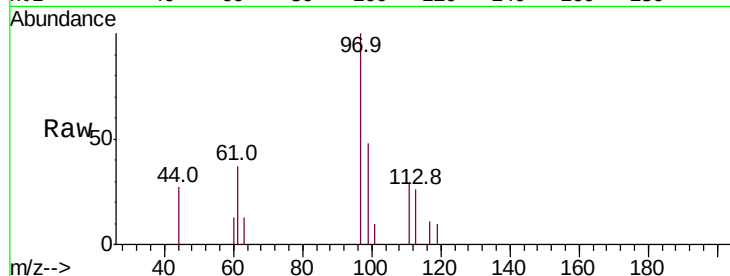




#32
 1,1,1-Trichloroethane
 Concen: 0.963 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

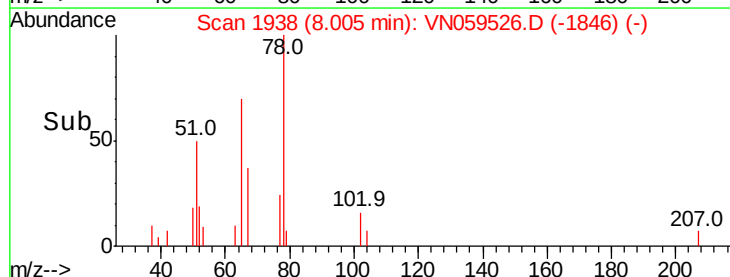
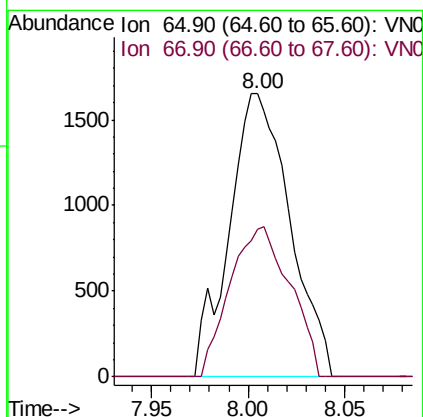
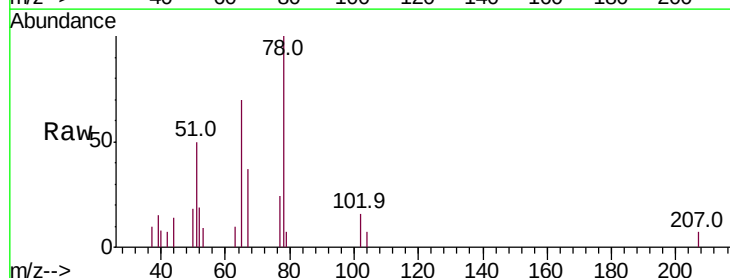
Instrument :
 MSVOA_N
 ClientSampled :

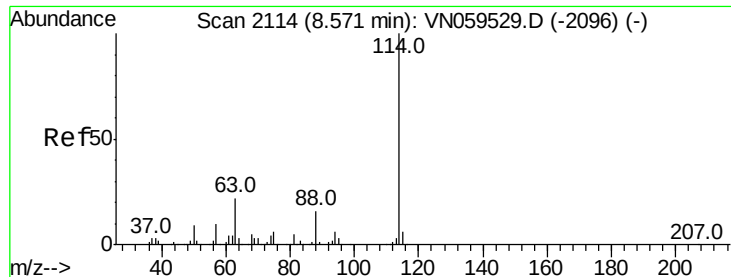
Tot Ion: 97 Resp: 3824
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.4 77.2#
 61 48.2 38.5 57.7



#33
 1,2-Dichloroethane-d4
 Concen: 1.313 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Tgt Ion: 65 Resp: 3605
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.6

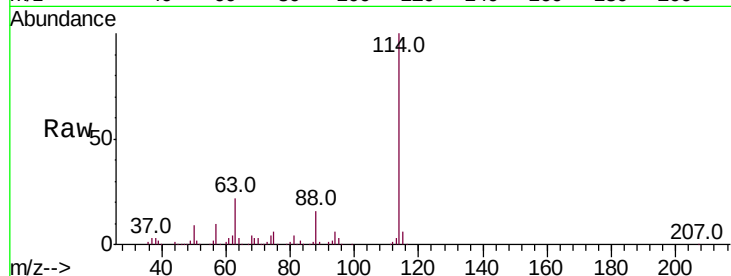




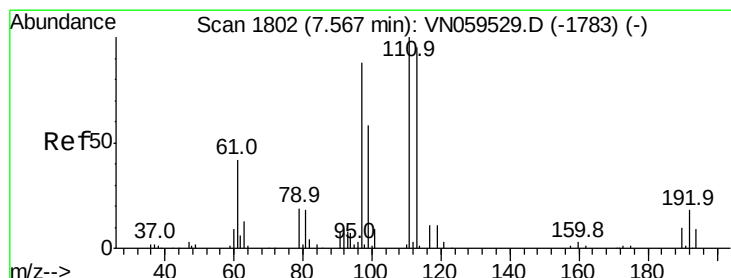
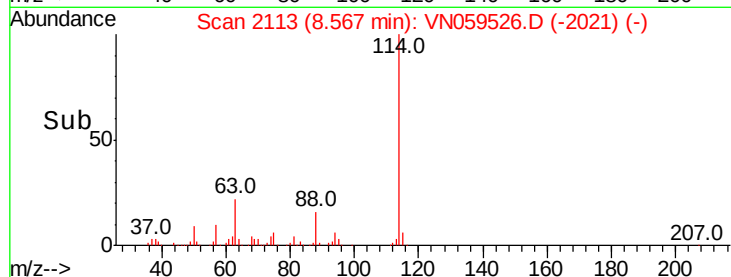
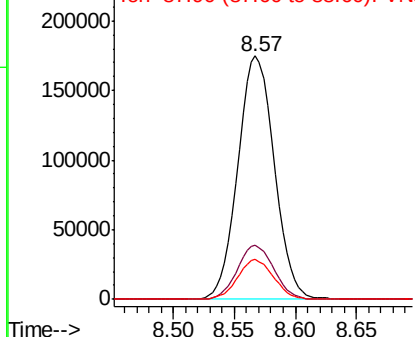
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 361371
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.0
88 16.3 0.0 32.2

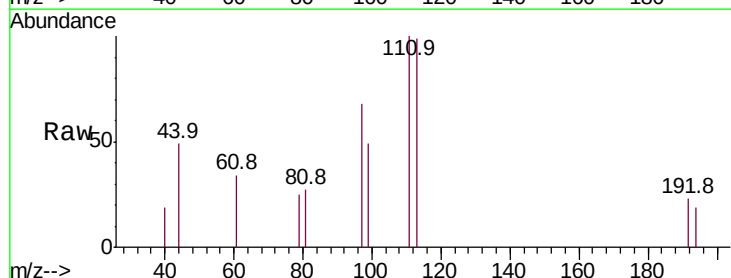


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

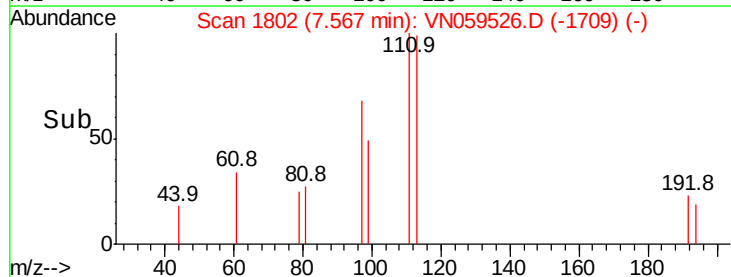
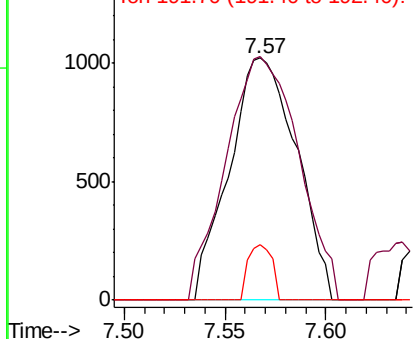


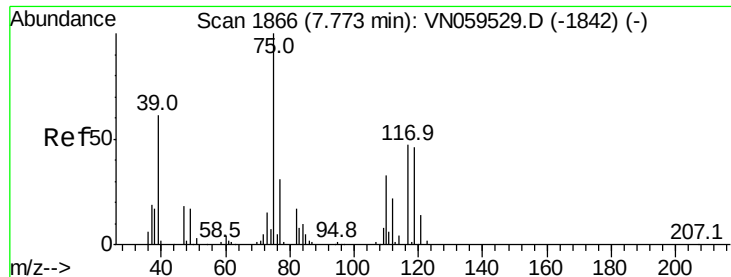
#35
Dibromofluoromethane
Concen: 1.078 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion:113 Resp: 2369
Ion Ratio Lower Upper
113 100
111 109.2 82.2 123.4
192 8.2 14.8 22.2#



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

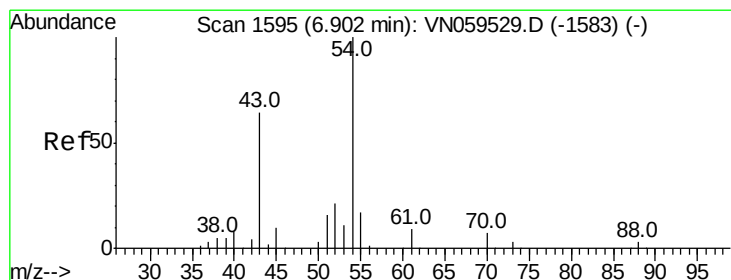
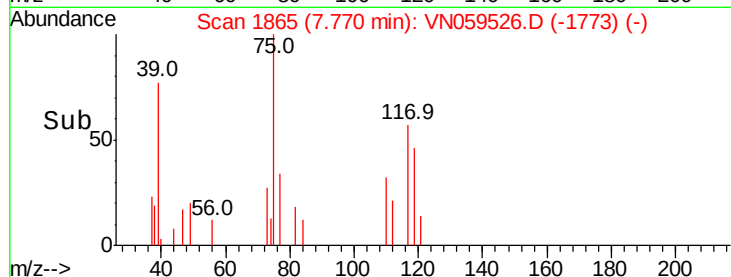
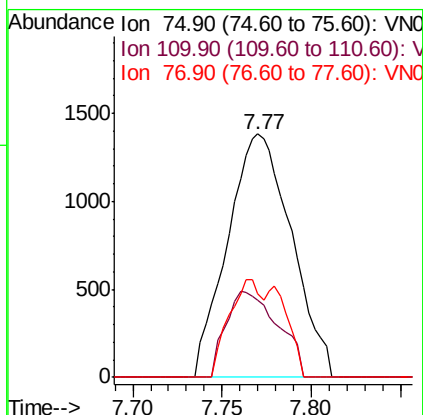
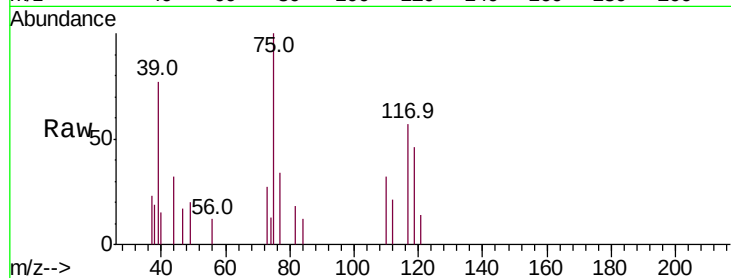




#36
 1,1-Dichloropropene
 Concen: 0.935 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

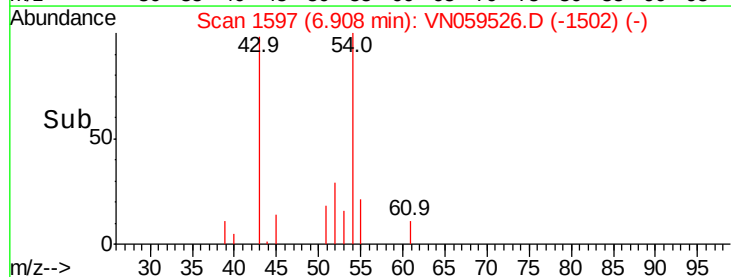
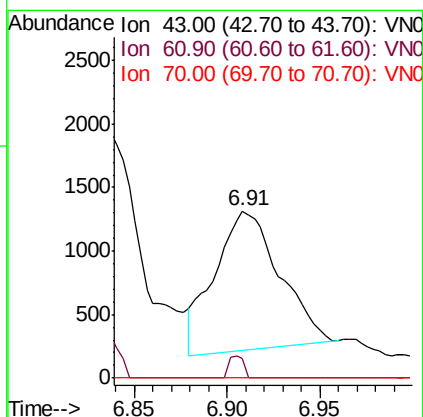
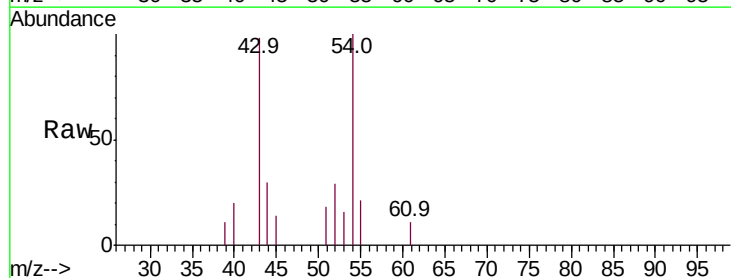
Instrument :
 MSVOA_N
 ClientSampled :

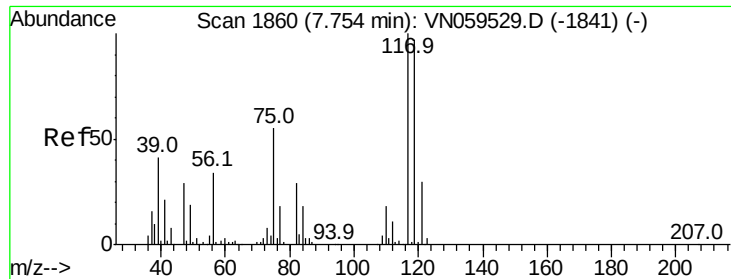
Tot Ion: 75 Resp: 3445
 Ion Ratio Lower Upper
 75 100
 110 28.9 16.7 50.0
 77 20.7 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 0.651 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Tgt Ion: 43 Resp: 2680
 Ion Ratio Lower Upper
 43 100
 61 3.6 11.0 16.6#
 70 0.0 7.7 11.5#

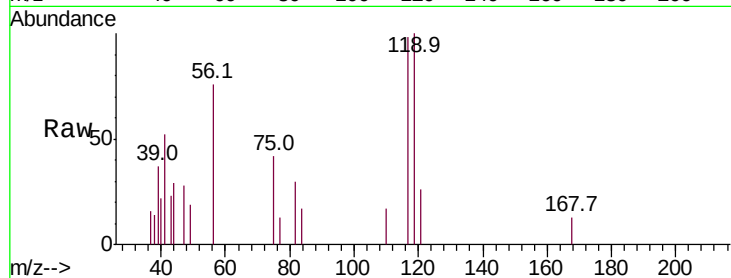




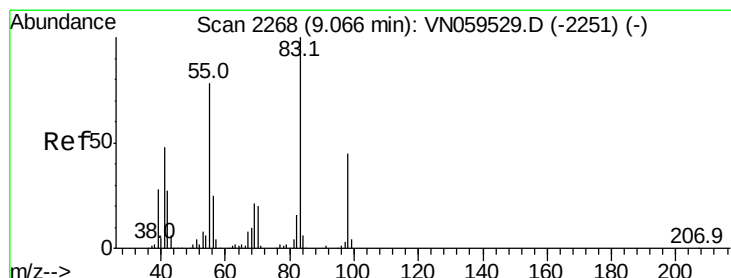
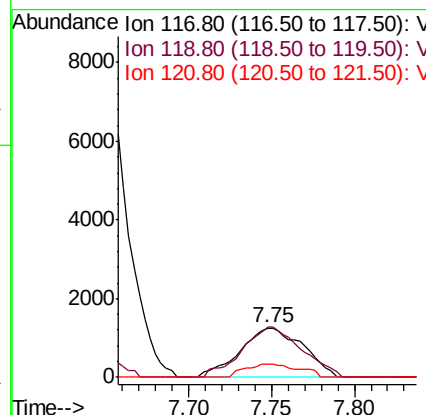
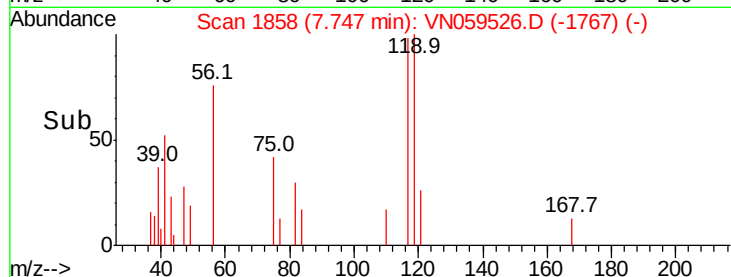
#38
Carbon Tetrachloride
Concen: 0.928 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 3304
Ion Ratio Lower Upper
117 100
119 102.0 77.0 115.4
121 26.7 24.1 36.1

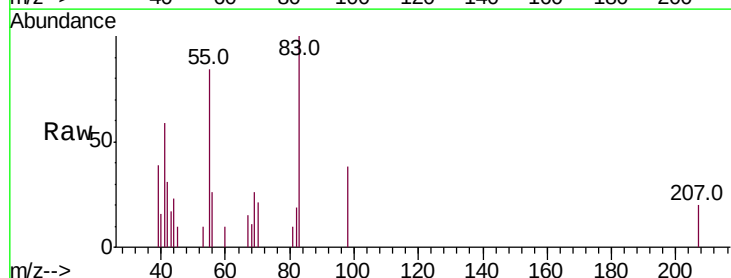


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

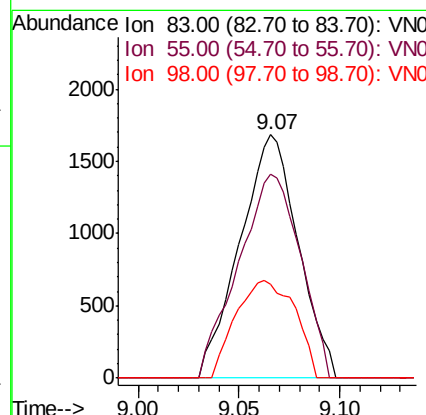
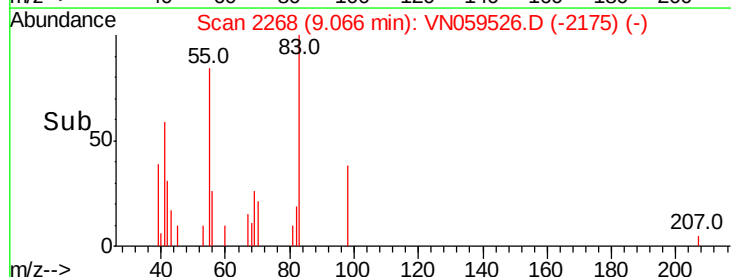


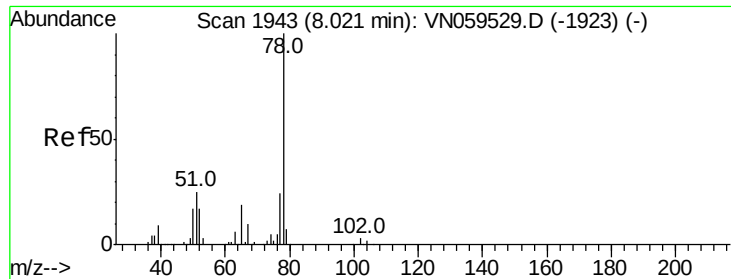
#39
Methylcyclohexane
Concen: 0.772 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 83 Resp: 3392
Ion Ratio Lower Upper
83 100
55 83.8 62.7 94.1
98 38.3 35.7 53.5



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





#40

Benzene

Concen: 0.930 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

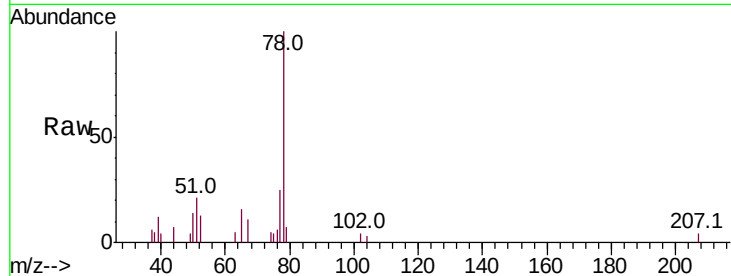
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 9991

Ion Ratio Lower Upper

78 100

77 24.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN059529.D (-1923) (-)

Ion 77.00 (76.70 to 77.70): VN059529.D (-1923) (-)

8.02

5000

4000

3000

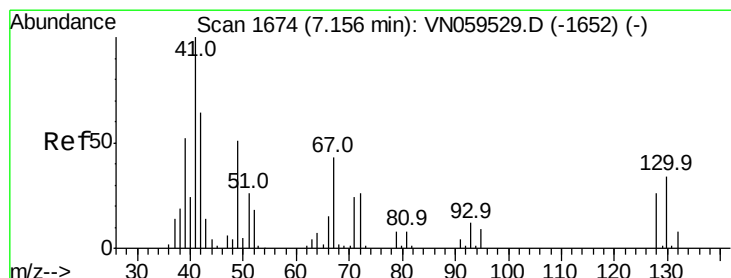
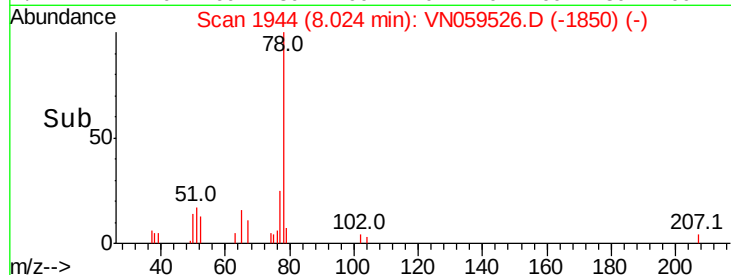
2000

1000

0

Time-->

7.95 8.00 8.05 8.10



#41

Methacrylonitrile

Concen: 0.638 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Tgt Ion: 41 Resp: 1083

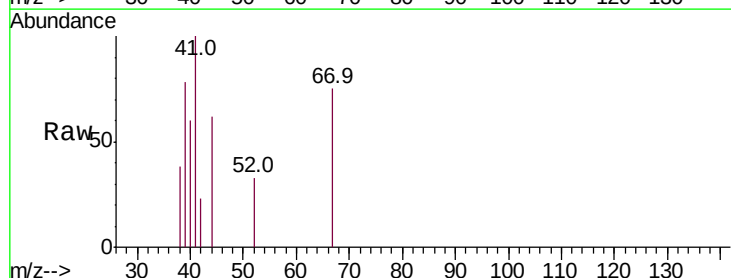
Ion Ratio Lower Upper

41 100

39 110.6 0.0 0.0#

67 105.6 0.0 0.0#

52 37.5 0.0 0.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059529.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN059529.D (-1652) (-)

Ion 67.00 (66.70 to 67.70): VN059529.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN059529.D (-1652) (-)

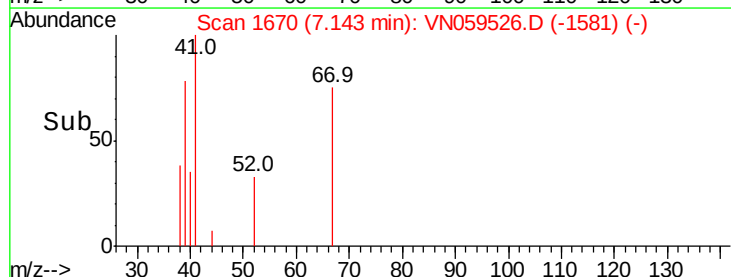
1000

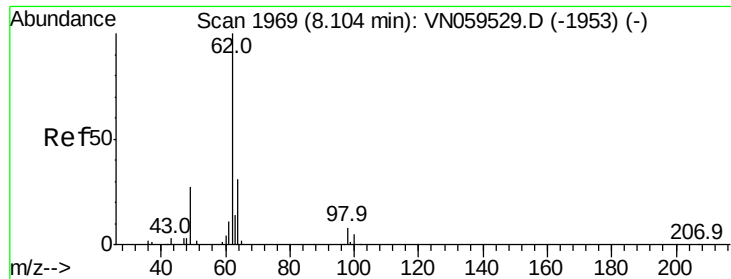
500

0

Time-->

7.10 7.12 7.14 7.16

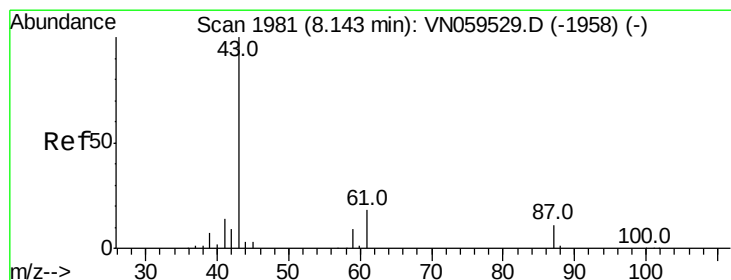
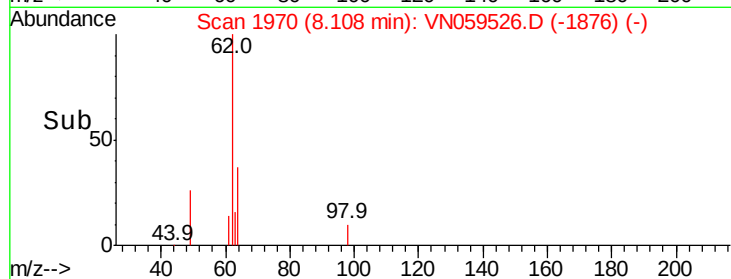
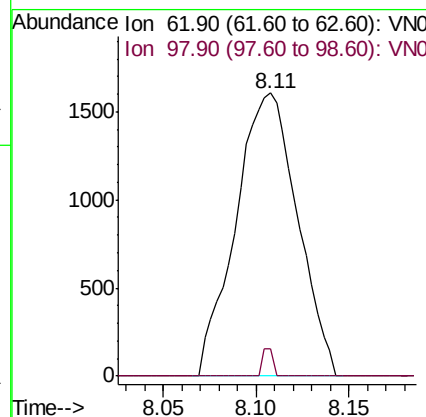
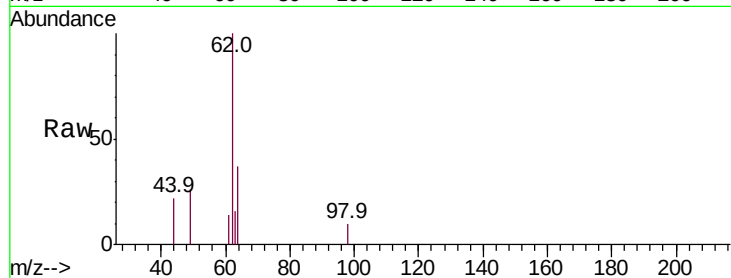




#42
 1,2-Dichloroethane
 Concen: 0.998 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

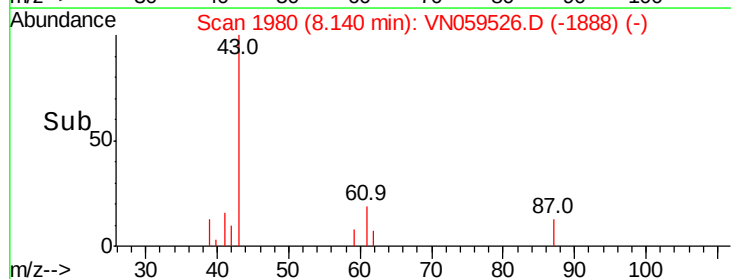
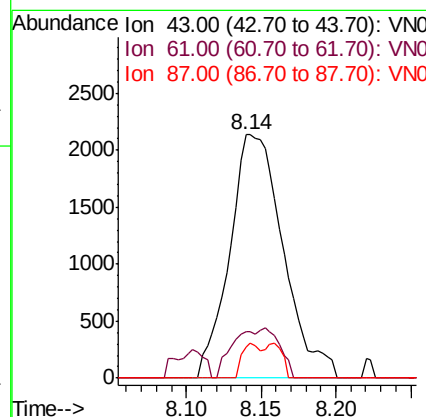
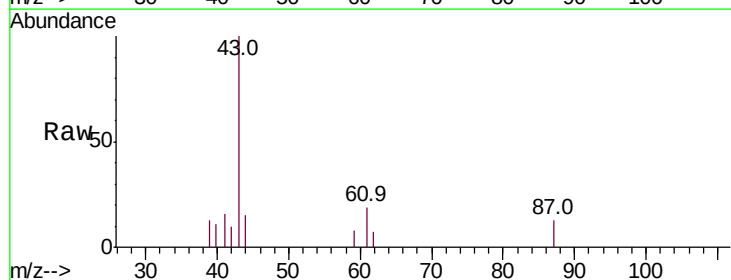
Instrument :
 MSVOA_N
 ClientSampleId :

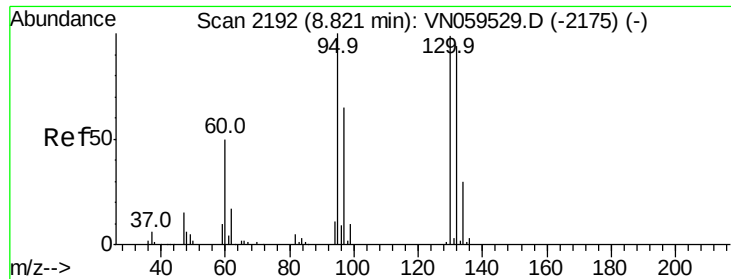
Tot Ion: 62 Resp: 3721
 Ion Ratio Lower Upper
 62 100
 98 1.6 0.0 15.4



#43
 Isopropyl Acetate
 Concen: 0.865 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Tgt Ion: 43 Resp: 5329
 Ion Ratio Lower Upper
 43 100
 61 17.8 19.8 29.6#
 87 4.7 9.4 14.2#





#44

Trichloroethene

Concen: 0.922 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

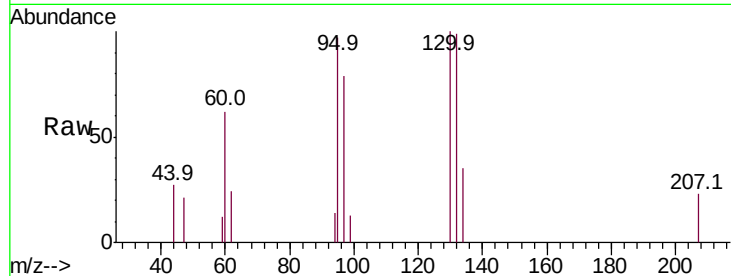
ClientSampled :

Tot Ion:130 Resp: 2583

Ion Ratio Lower Upper

130 100

95 97.0 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.82

1500

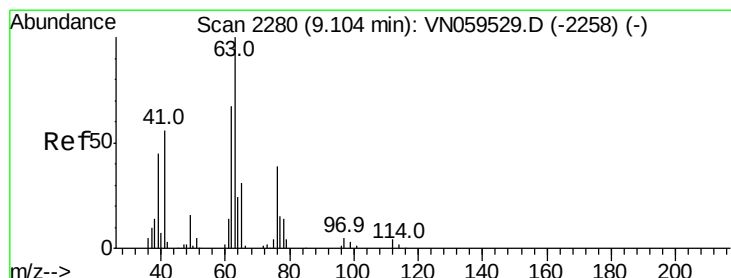
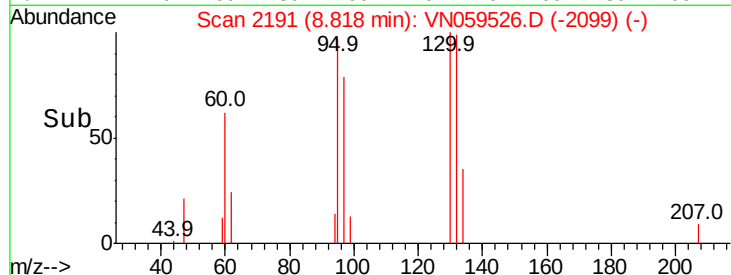
1000

500

0

Time-->

8.80 8.85



#45

1,2-Dichloropropane

Concen: 0.860 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059526.D

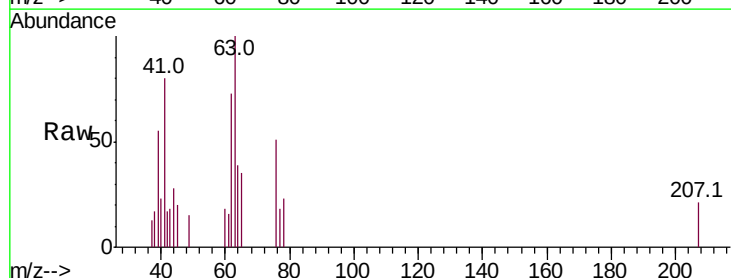
Acq: 9 Dec 2019 14:46

Tgt Ion: 63 Resp: 2471

Ion Ratio Lower Upper

63 100

65 34.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.10

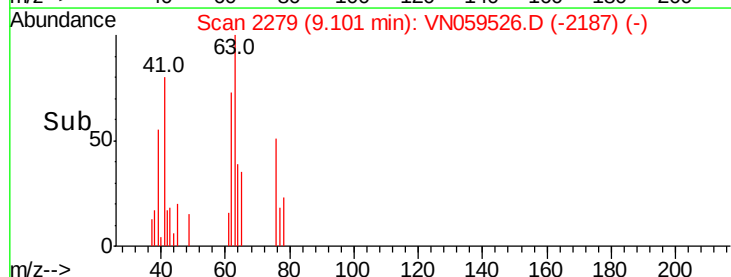
1000

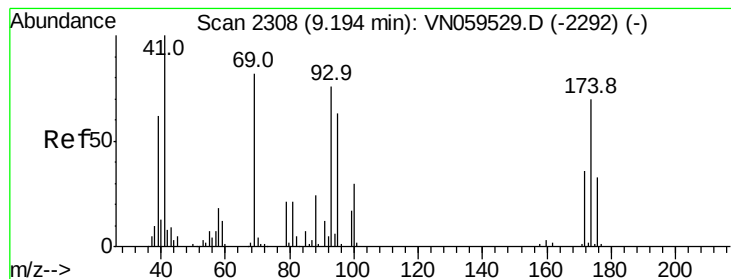
500

0

Time-->

9.05 9.10 9.15





#46

Dibromomethane

Concen: 0.928 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

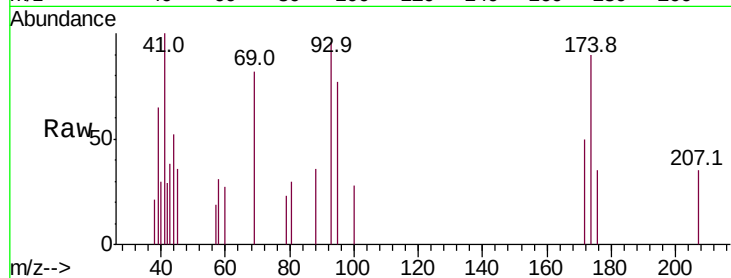
Tot Ion: 93 Resp: 1669

Ion Ratio Lower Upper

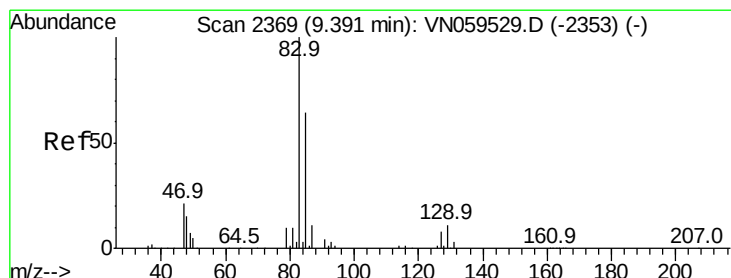
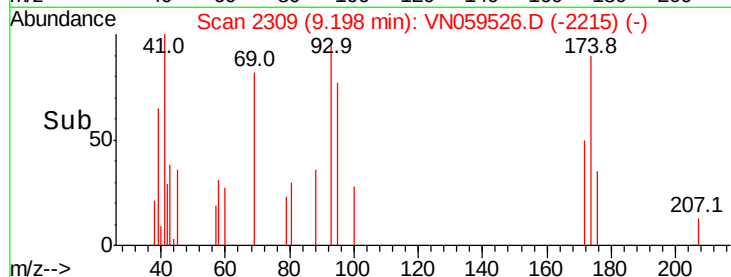
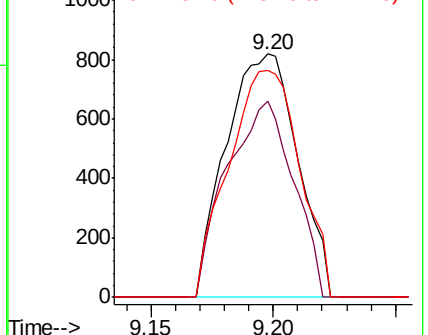
93 100

95 75.1 67.0 100.6

174 92.3 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.939 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

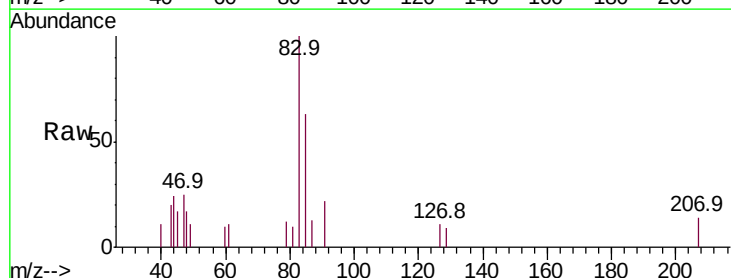
Tgt Ion: 83 Resp: 3399

Ion Ratio Lower Upper

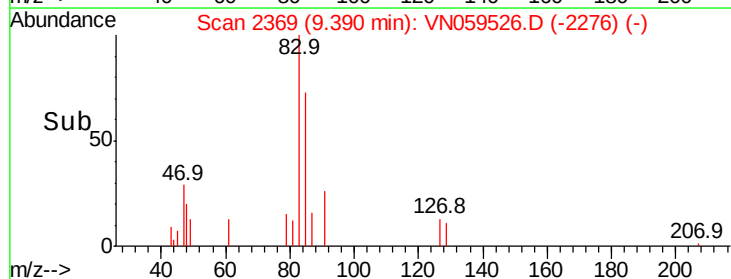
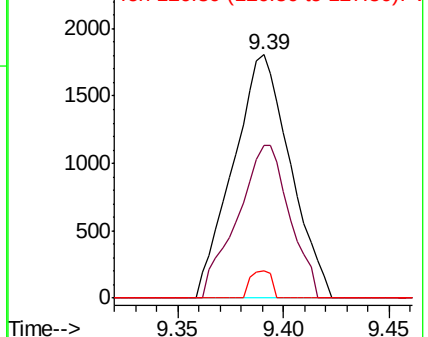
83 100

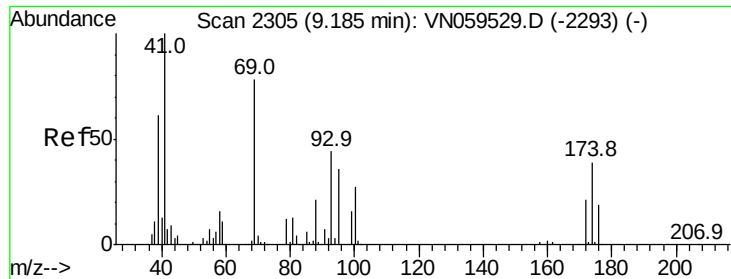
85 62.5 51.4 77.0

127 11.3 6.7 10.1#



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

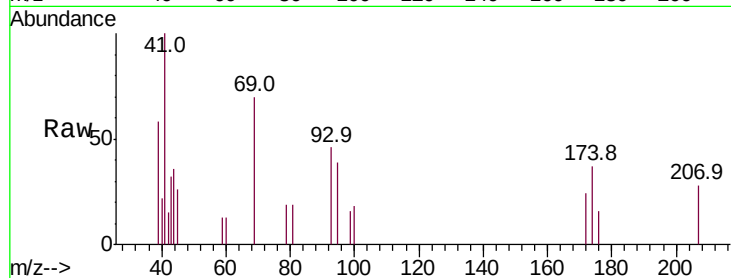




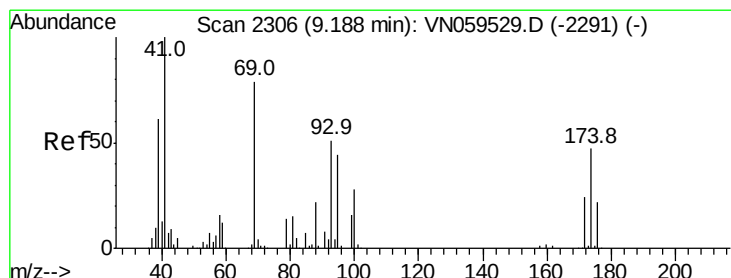
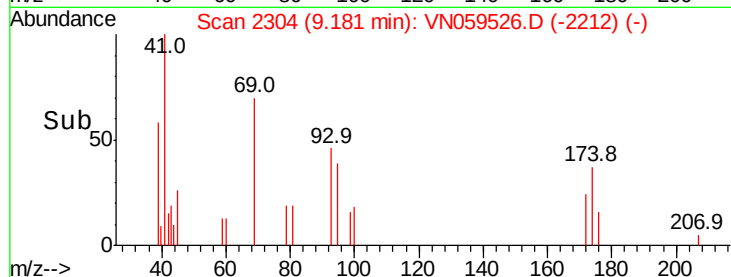
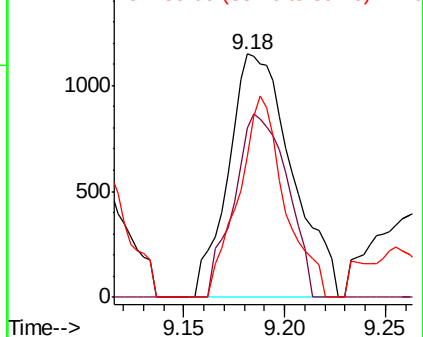
#48
Methvl methacrylate
Concen: 0.911 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2526
Ion Ratio Lower Upper
41 100
69 63.4 64.0 96.0#
39 60.2 50.0 75.0

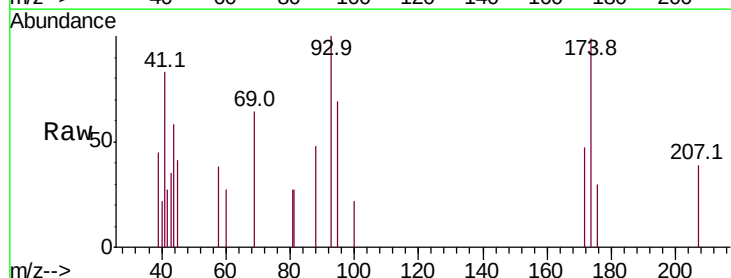


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

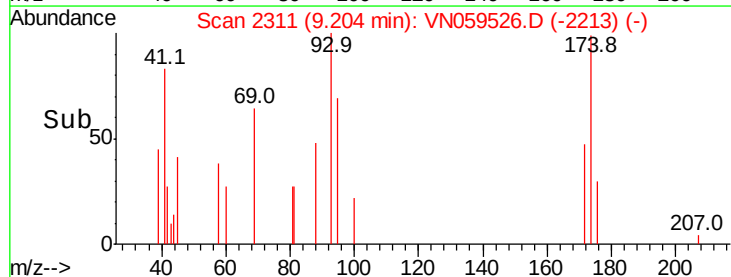
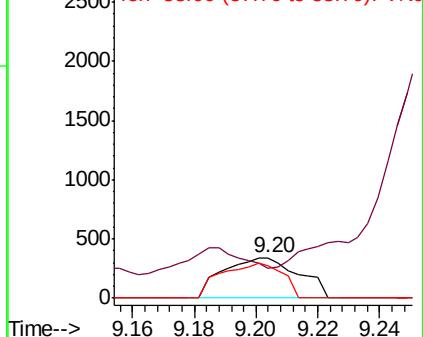


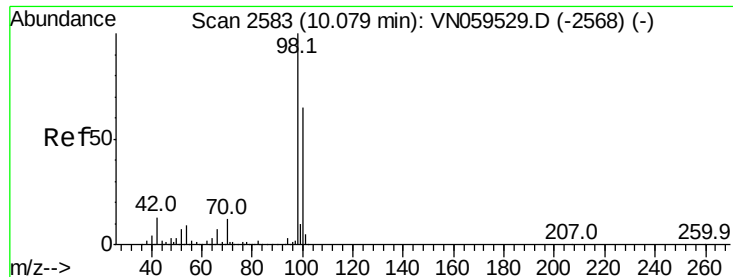
#49
1,4-Dioxane
Concen: 14.150 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.02 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 88 Resp: 578
Ion Ratio Lower Upper
88 100
43 45.5 31.4 47.0
58 70.6 61.0 91.6



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: 1.070 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

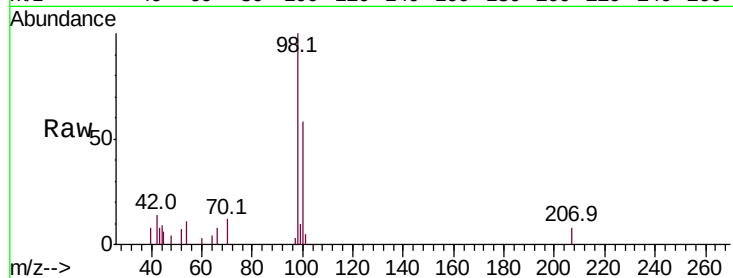
ClientSampleId :

Tot Ion: 98 Resp: 9206

Ion Ratio Lower Upper

98 100

100 60.6 51.8 77.8

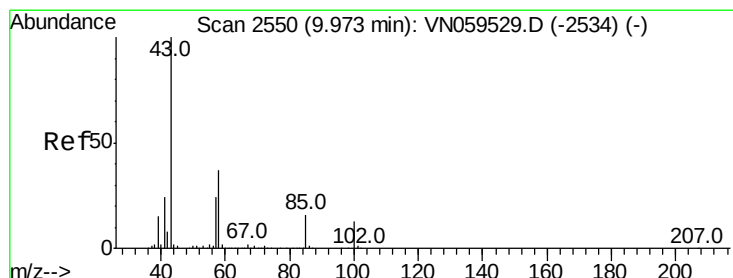
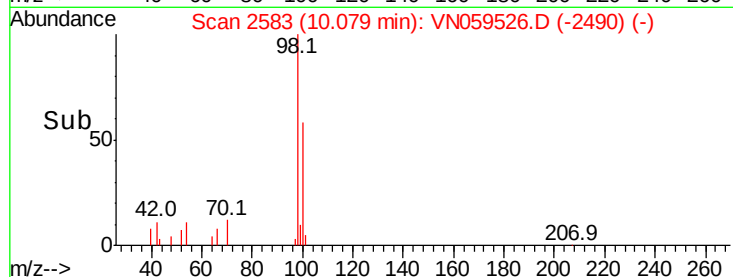


Abundance Ion 98.00 (97.70 to 98.70): VN059529.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN059529.D (-2568) (-)

10.08

Time-->



#51

4-Methyl-2-Pentanone

Concen: 3.839 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059526.D

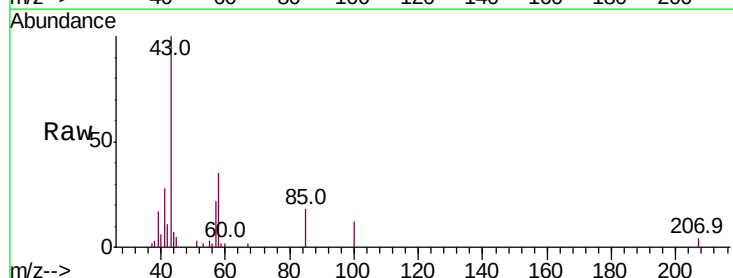
Acq: 9 Dec 2019 14:46

Tgt Ion: 43 Resp: 14001

Ion Ratio Lower Upper

43 100

58 37.9 30.1 45.1

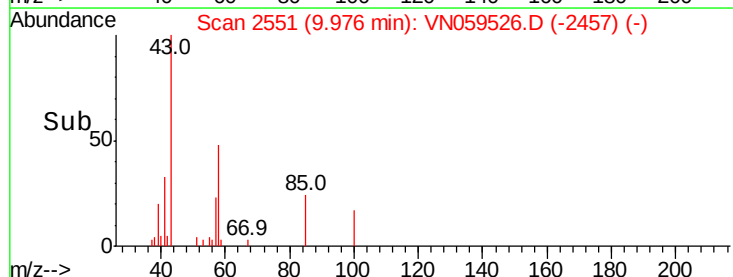


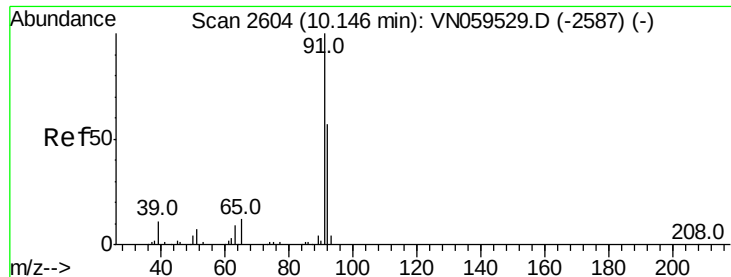
Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-2534) (-)

9.98

Time-->





#52

Toluene

Concen: 0.840 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

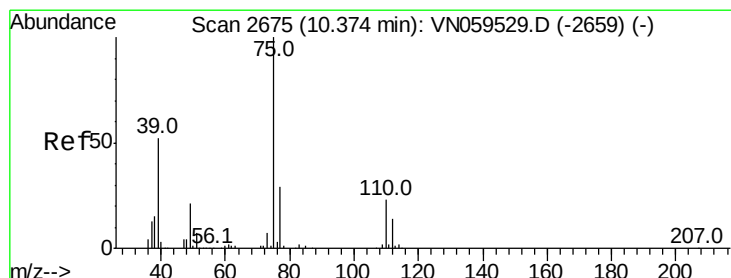
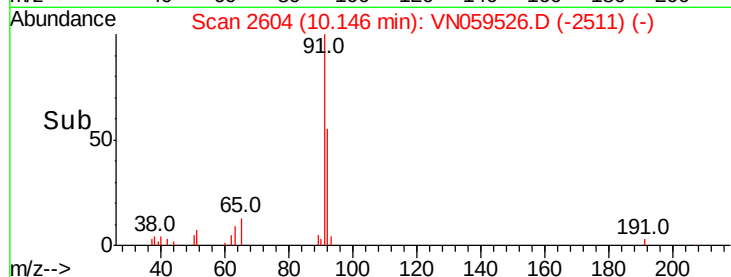
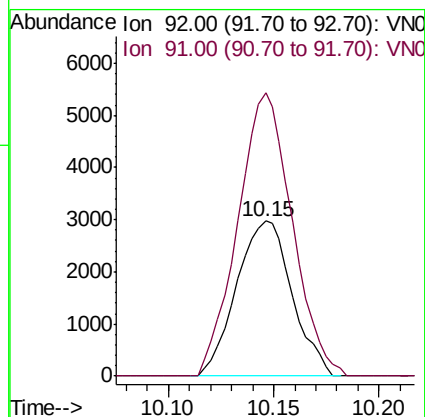
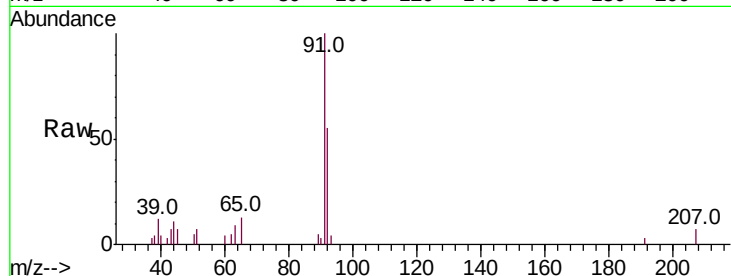
ClientSampled :

Tot Ion: 92 Resp: 5440

Ion Ratio Lower Upper

92 100

91 178.6 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 0.910 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059526.D

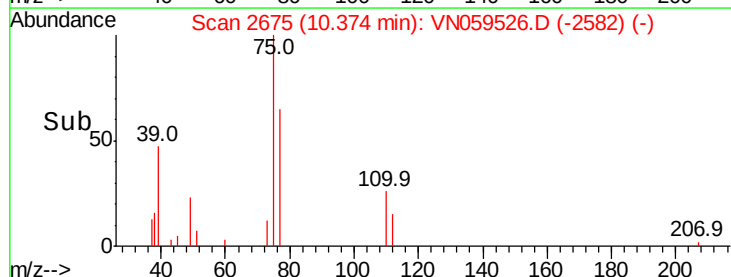
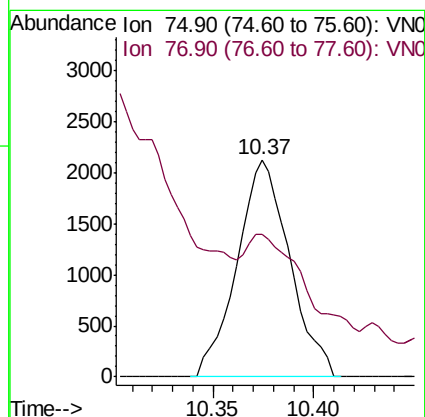
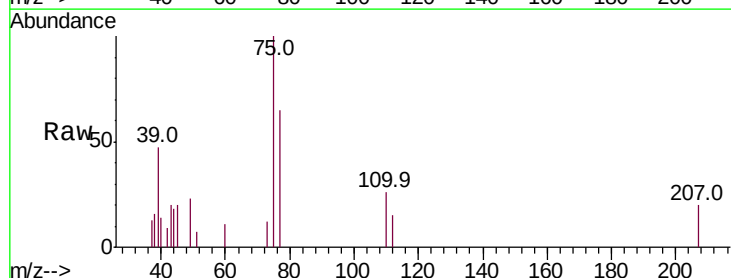
Acq: 9 Dec 2019 14:46

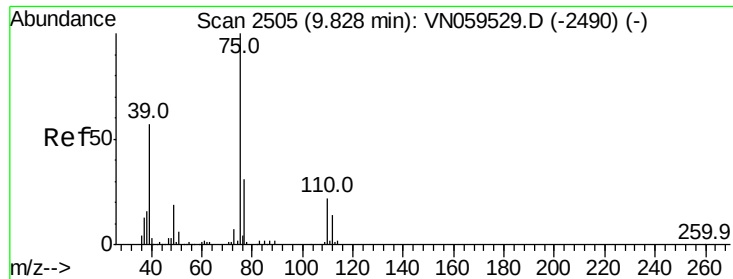
Tgt Ion: 75 Resp: 3863

Ion Ratio Lower Upper

75 100

77 37.5 24.5 36.7#





#54

cis-1,3-Dichloropropene

Concen: 0.871 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

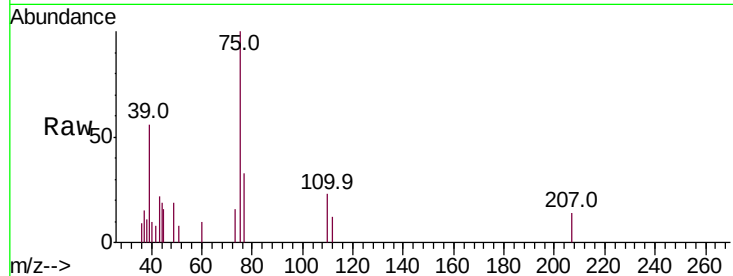
Tot Ion: 75 Resp: 3900

Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8

39 55.8 45.6 68.4

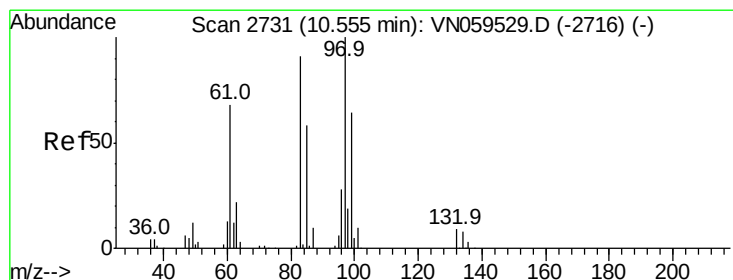
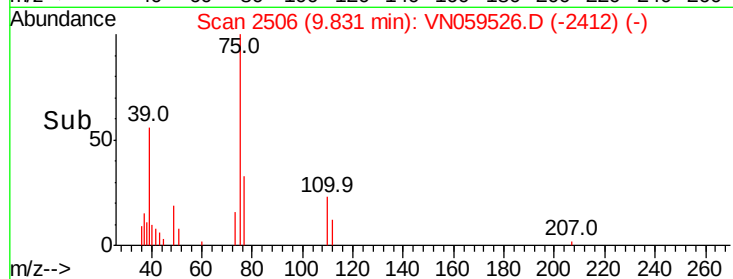
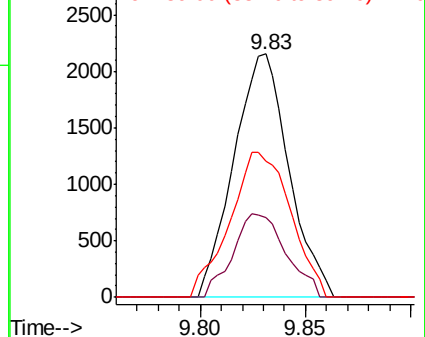


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: 0.932 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Tgt Ion: 97 Resp: 2385

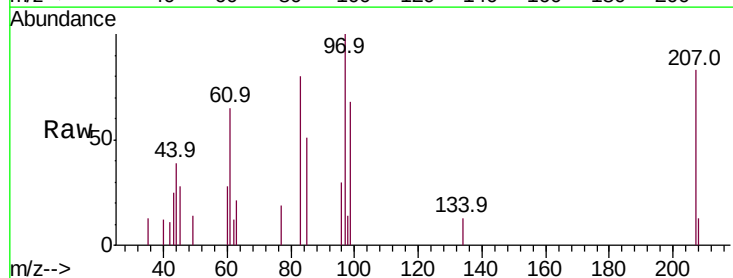
Ion Ratio Lower Upper

97 100

83 80.4 72.9 109.3

85 50.9 46.1 69.1

99 68.2 50.8 76.2



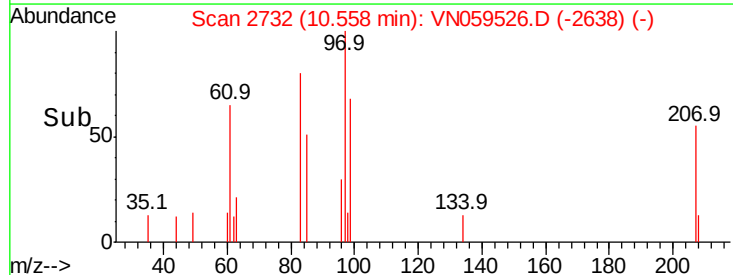
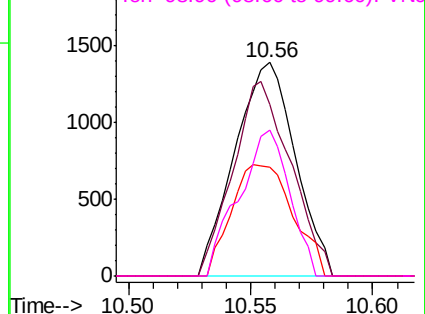
Abundance

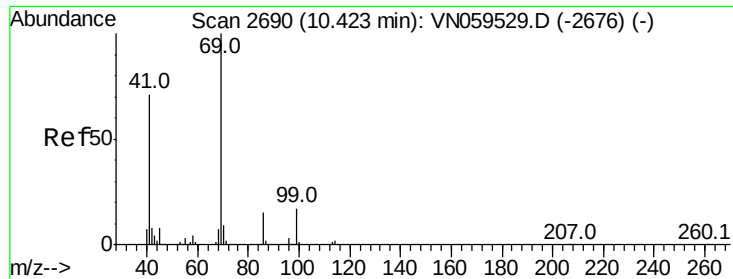
Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO





#56

Ethyl methacrylate

Concen: 0.703 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

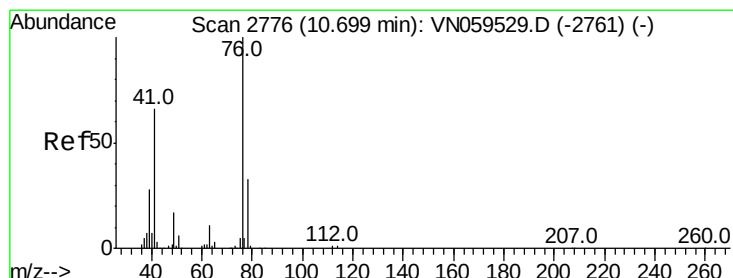
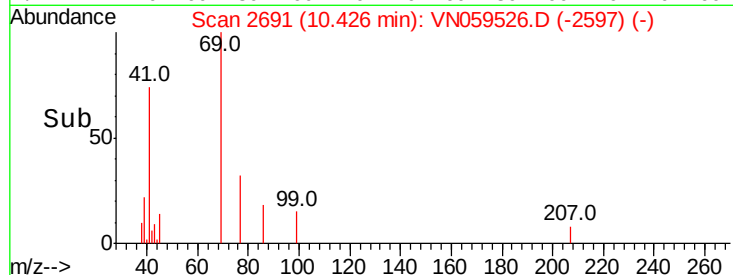
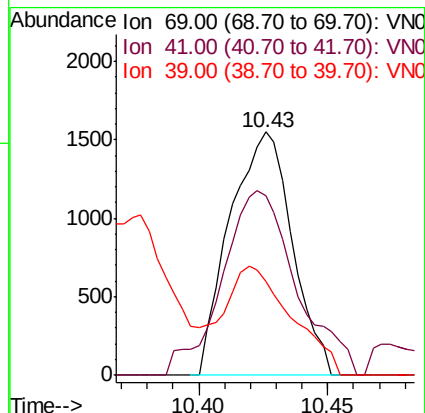
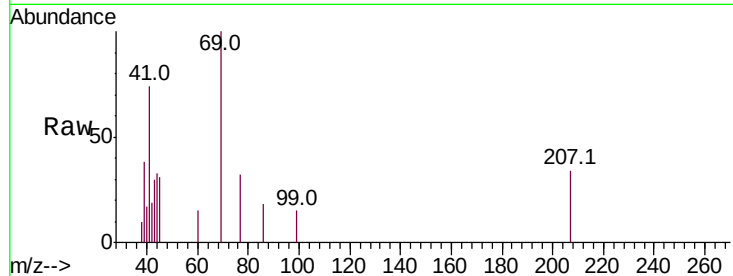
Tot Ion: 69 Resp: 2605

Ion Ratio Lower Upper

69 100

41 90.2 57.7 86.5#

39 47.3 34.2 51.2



#57

1,3-Dichloropropane

Concen: 0.964 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059526.D

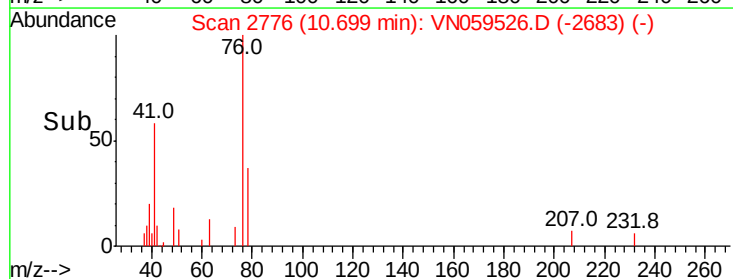
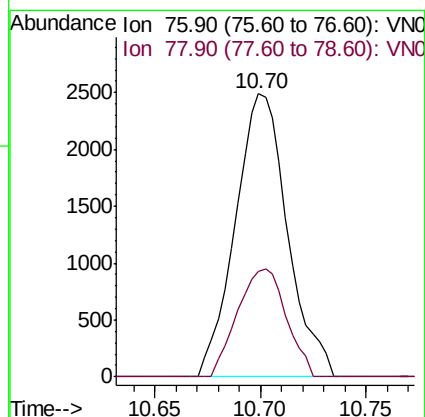
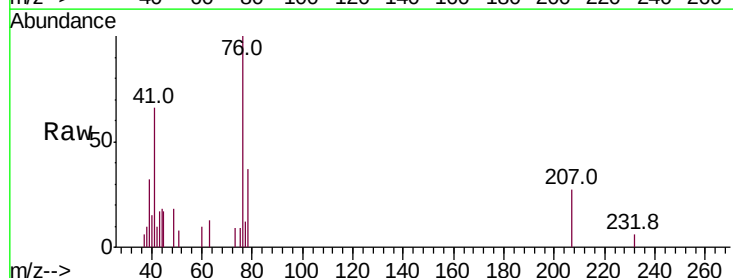
Acq: 9 Dec 2019 14:46

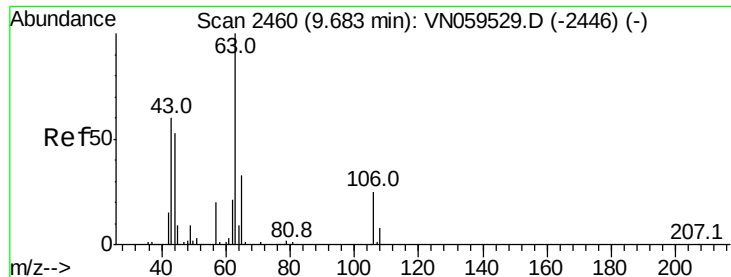
Tgt Ion: 76 Resp: 4281

Ion Ratio Lower Upper

76 100

78 35.7 26.1 39.1

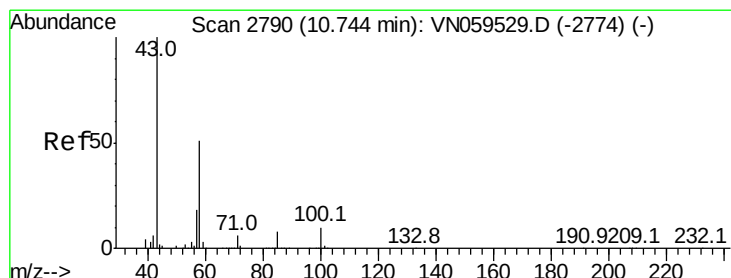
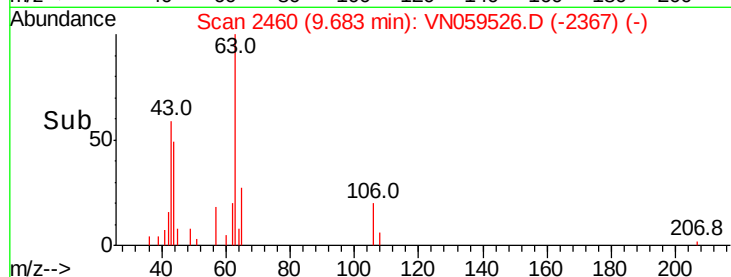
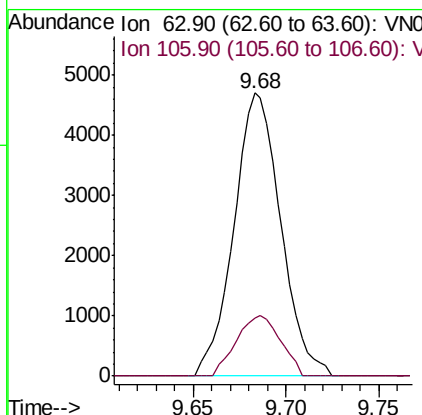
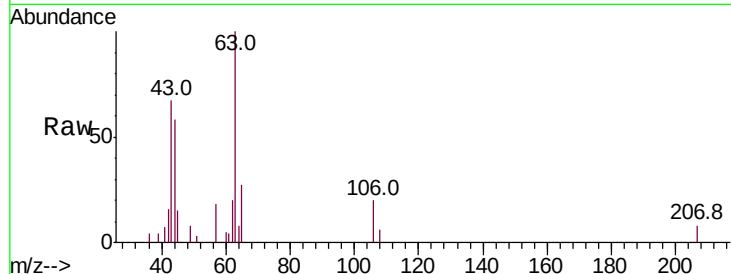




#58
2-Chloroethyl Vinyl ether
Concen: 7.633 ug/l
RT: 9.68 min Scan# 2460
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

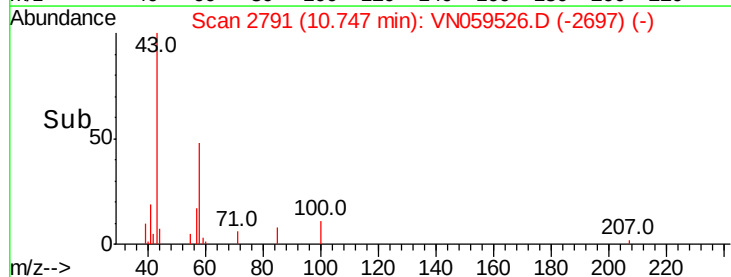
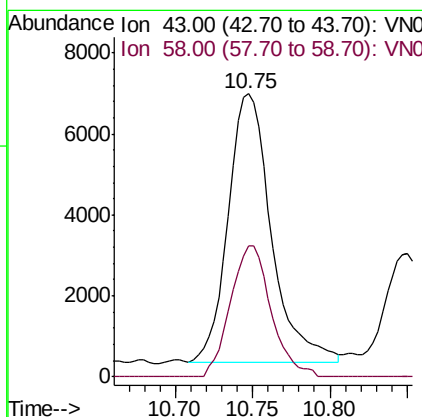
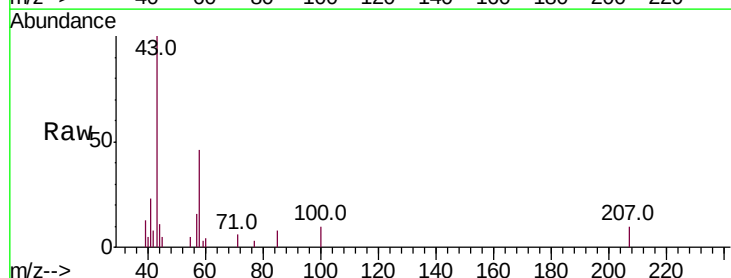
Instrument :
MSVOA_N
ClientSampled :

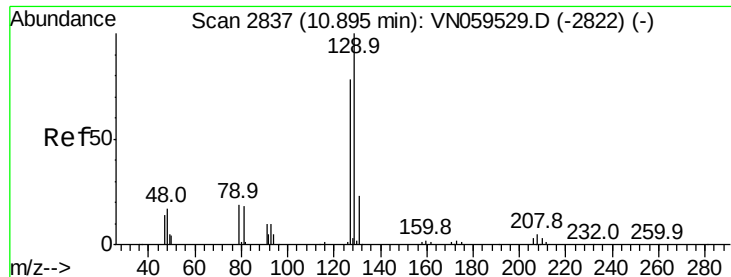
Tot Ion: 63 Resp: 8265
Ion Ratio Lower Upper
63 100
106 20.1 19.9 29.9



#59
2-Hexanone
Concen: 4.657 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 43 Resp: 12783
Ion Ratio Lower Upper
43 100
58 46.1 25.9 77.6





#60

Dibromochloromethane

Concen: 0.973 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

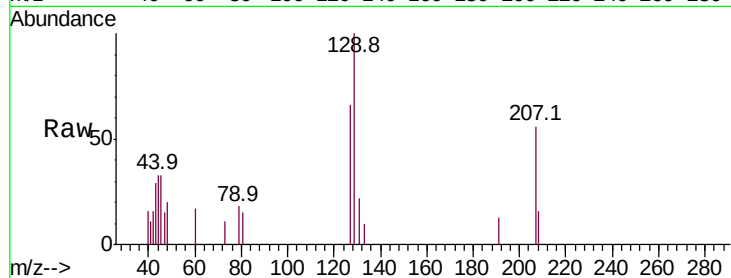
ClientSampleId :

Tot Ion:129 Resp: 2674

Ion Ratio Lower Upper

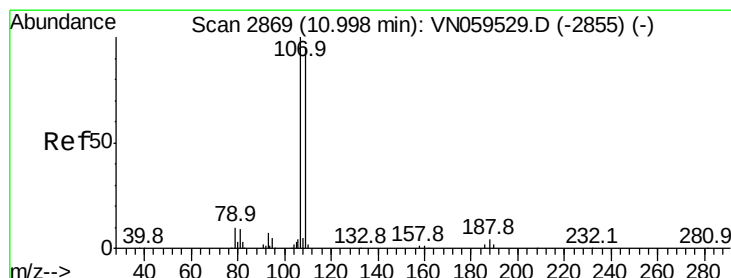
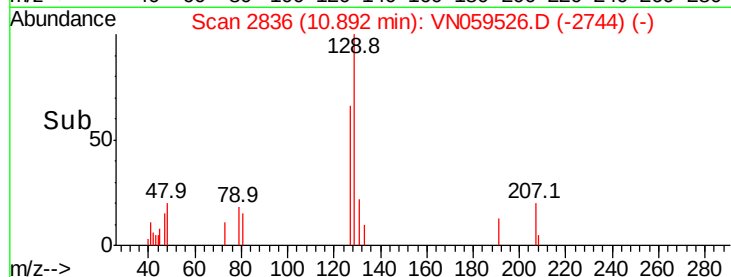
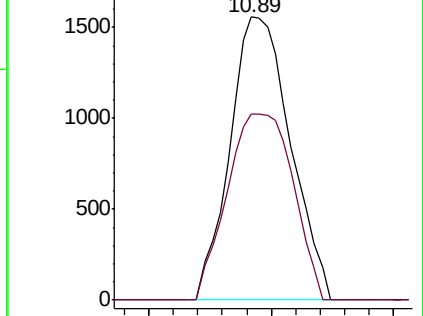
129 100

127 71.8 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.046 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.01 min

Lab File: VN059526.D

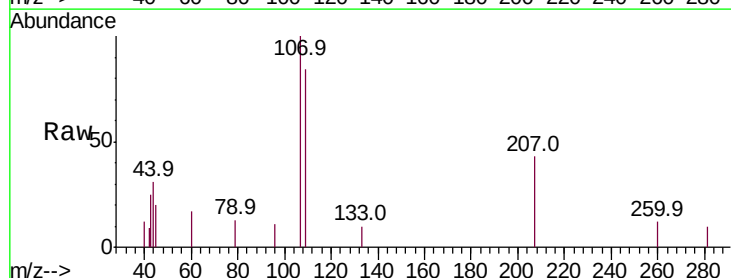
Acq: 9 Dec 2019 14:46

Tgt Ion:107 Resp: 2773

Ion Ratio Lower Upper

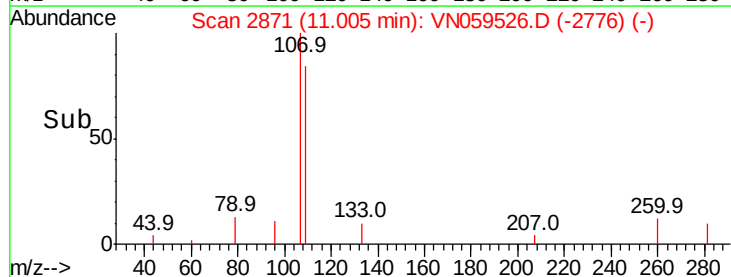
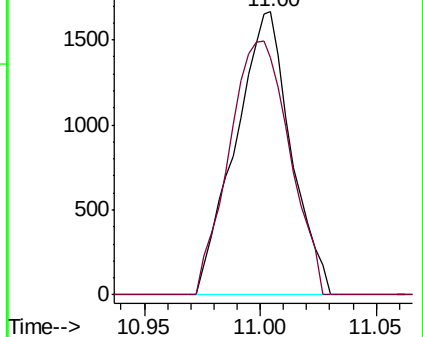
107 100

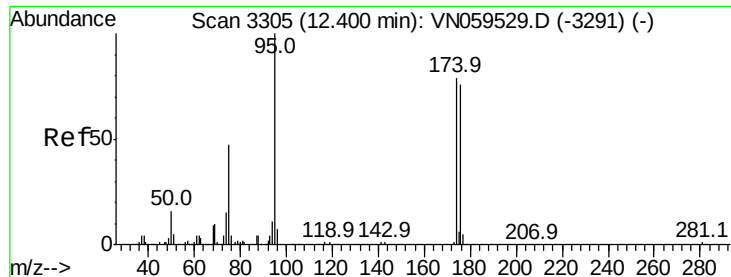
109 97.6 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

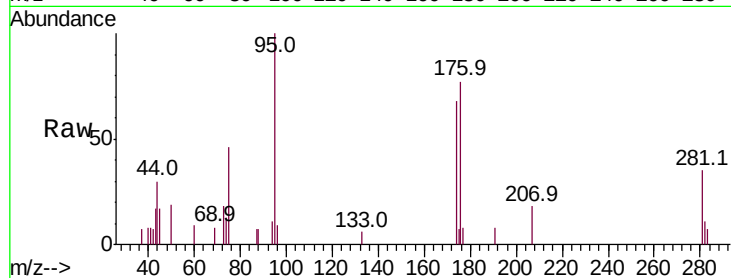




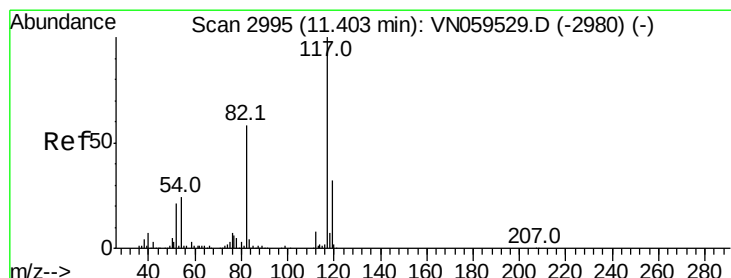
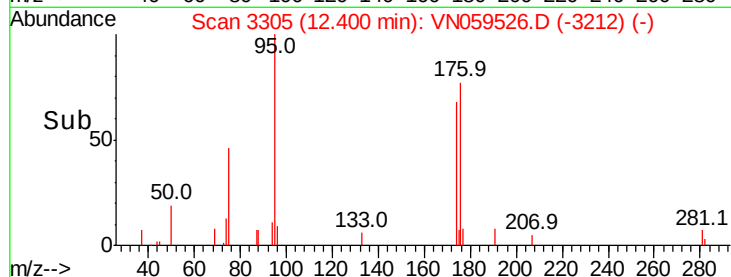
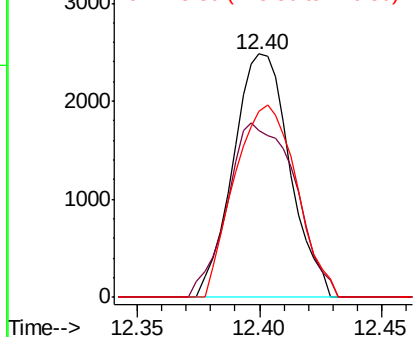
#62
4-Bromofluorobenzene
Concen: 1.285 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	158.0
176	87.2	0.0	155.4

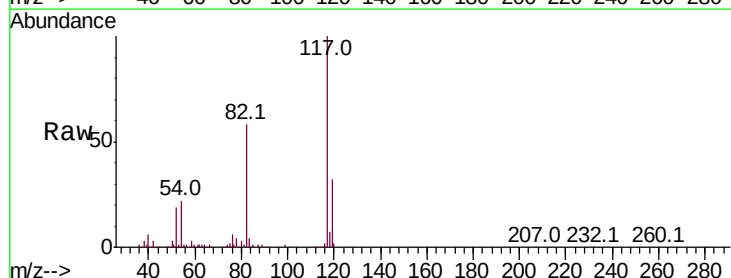


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

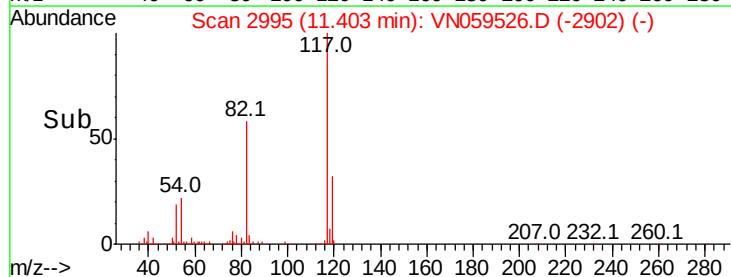
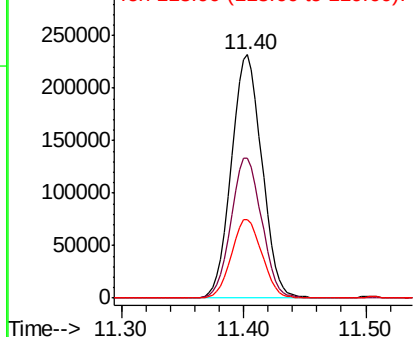


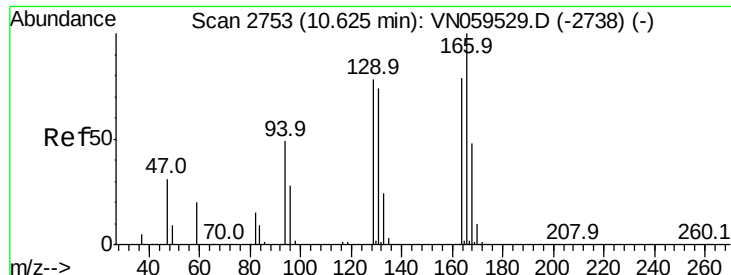
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.5	69.7
119	32.4	25.2	37.8



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

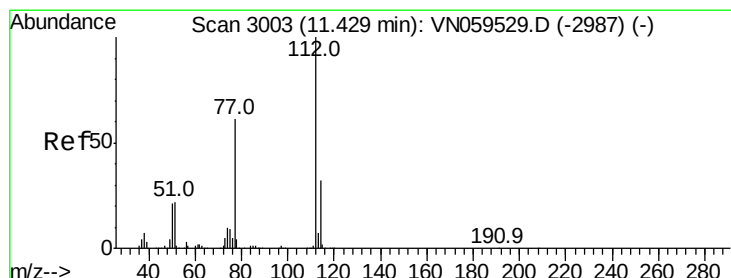
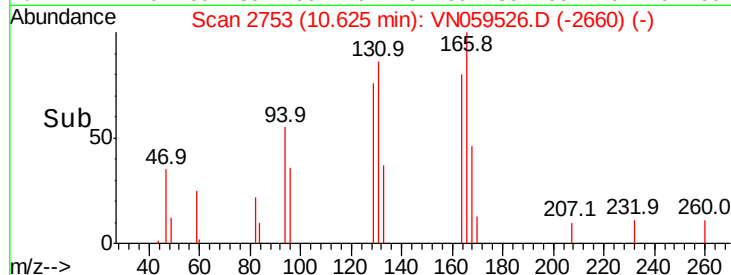
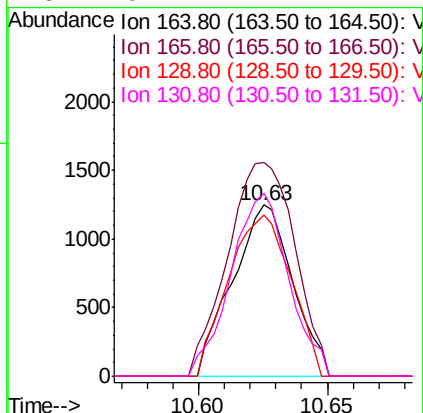
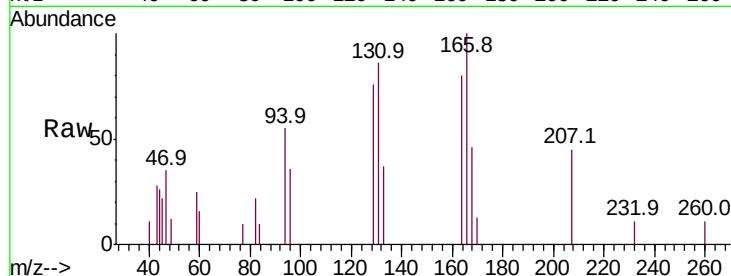




#64
Tetrachloroethene
Concen: 0.621 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

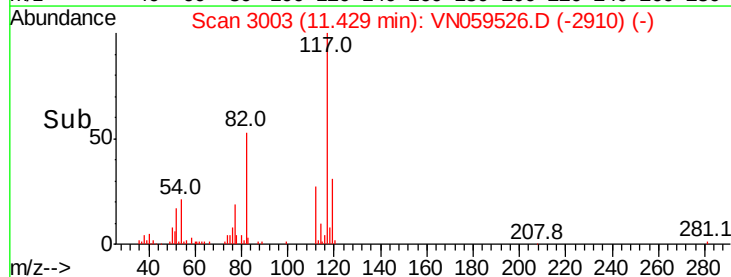
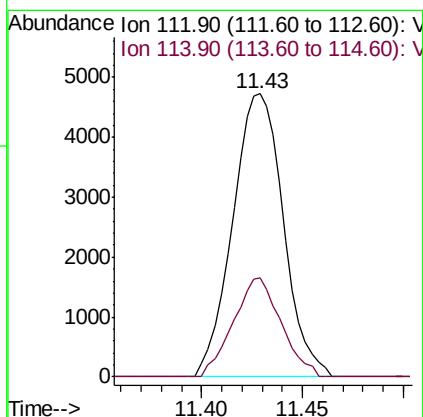
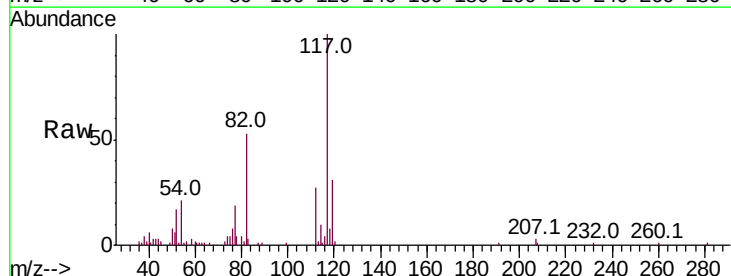
Instrument :
MSVOA_N
ClientSampled :

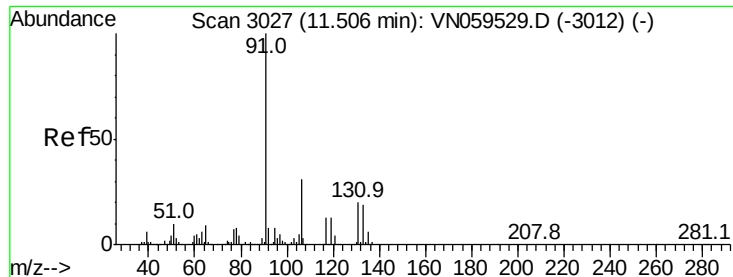
Tot Ion:164 Resp: 2037
Ion Ratio Lower Upper
164 100
166 124.8 101.6 152.4
129 94.2 79.0 118.6
131 107.2 74.7 112.1



#65
Chlorobenzene
Concen: 0.965 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion:112 Resp: 8309
Ion Ratio Lower Upper
112 100
114 34.9 26.0 39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 0.863 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

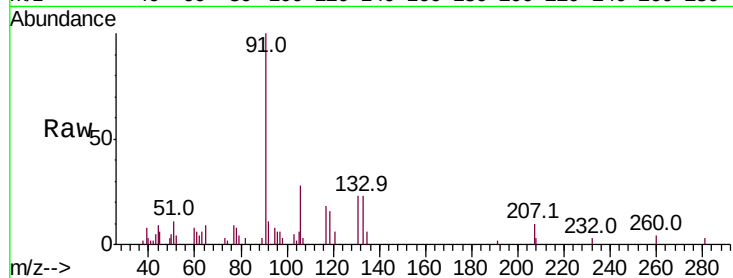
Tot Ion:131 Resp: 2679

Ion Ratio Lower Upper

131 100

133 116.8 47.8 143.3

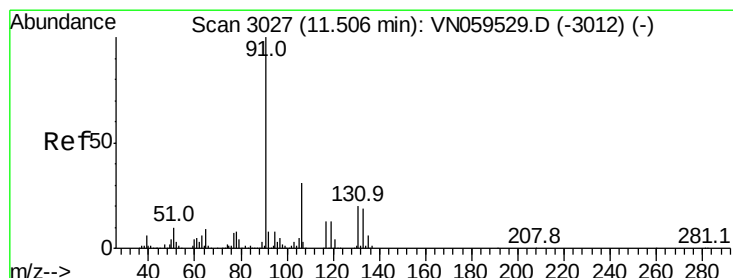
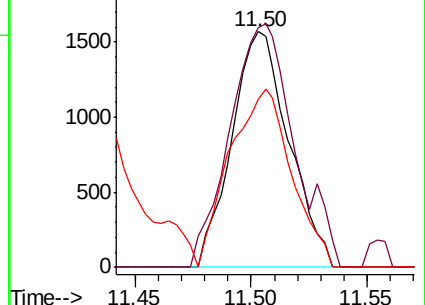
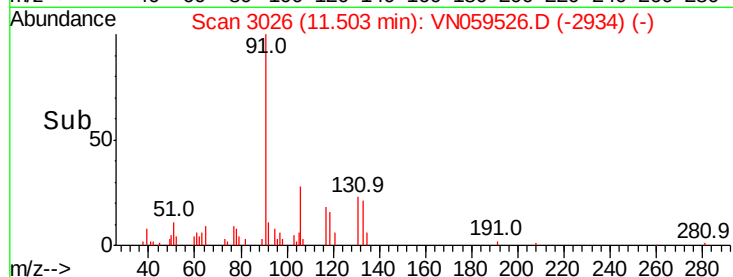
119 0.0 33.4 100.2#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.849 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059526.D

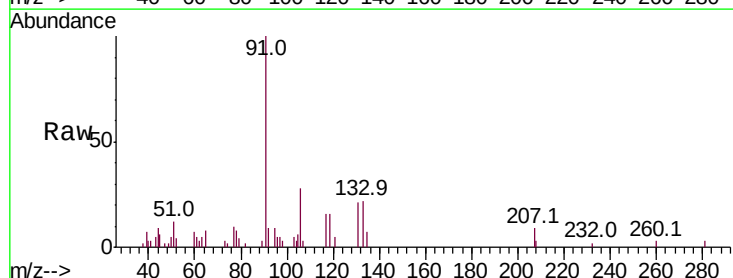
Acq: 9 Dec 2019 14:46

Tgt Ion: 91 Resp: 12833

Ion Ratio Lower Upper

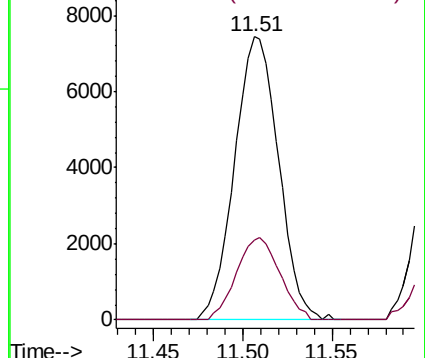
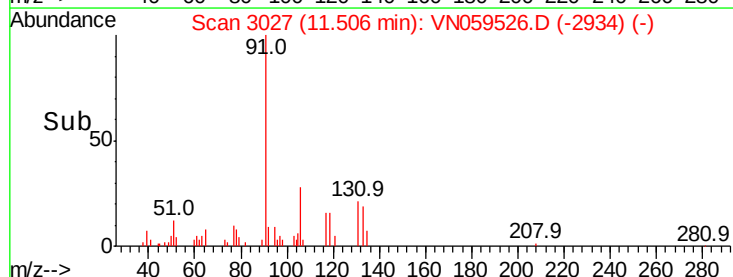
91 100

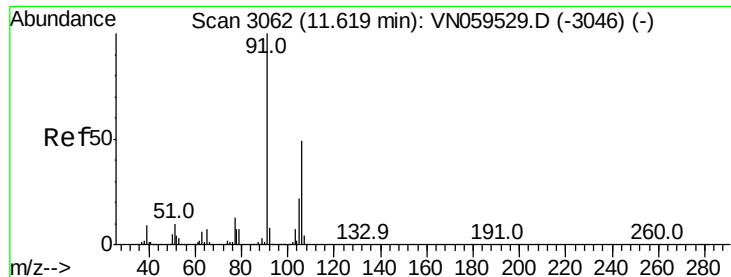
106 28.2 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.559 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

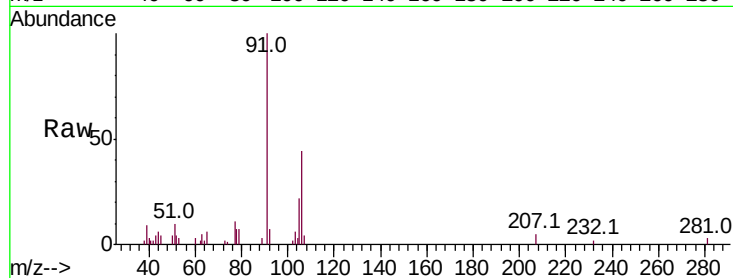
ClientSampled :

Tot Ion:106 Resp: 8850

Ion Ratio Lower Upper

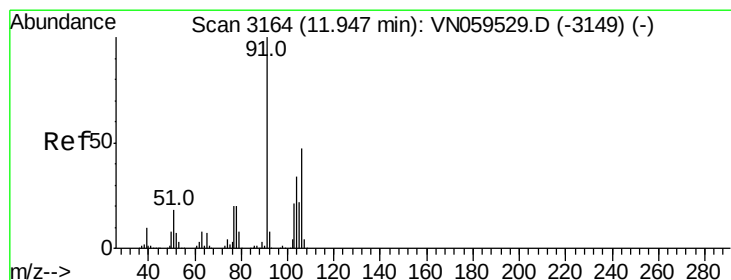
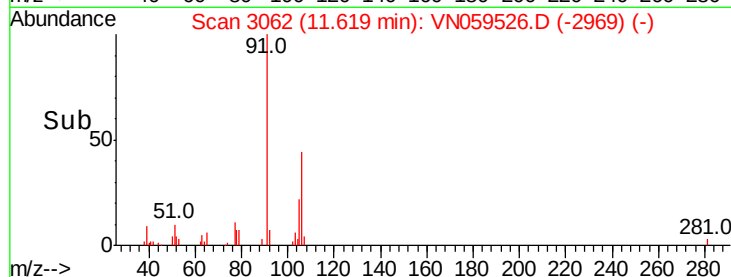
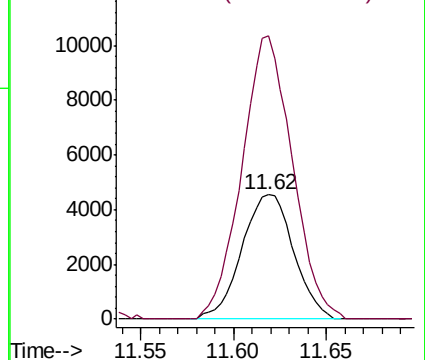
106 100

91 222.4 162.9 244.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.814 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN059526.D

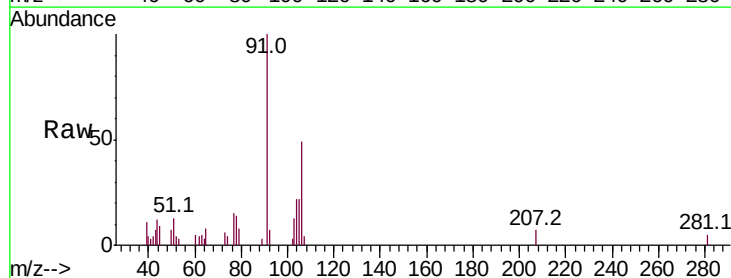
Acq: 9 Dec 2019 14:46

Tgt Ion:106 Resp: 4401

Ion Ratio Lower Upper

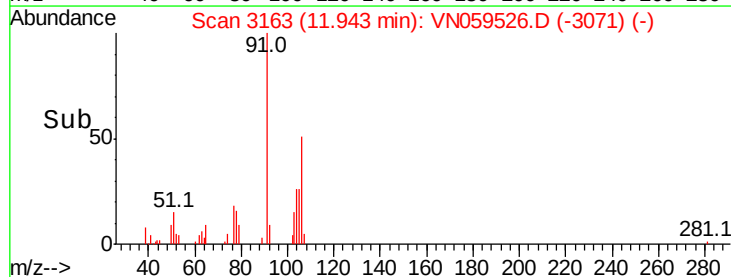
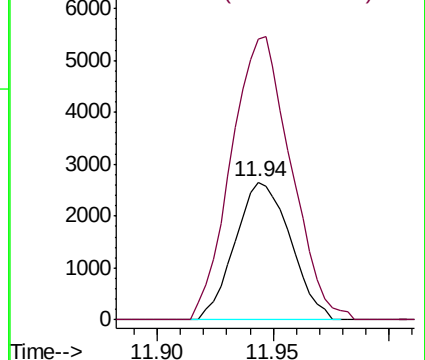
106 100

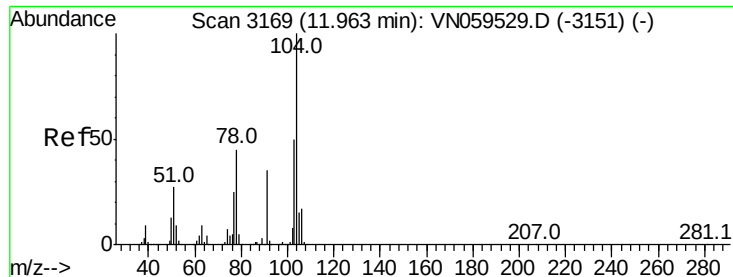
91 222.1 106.7 319.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

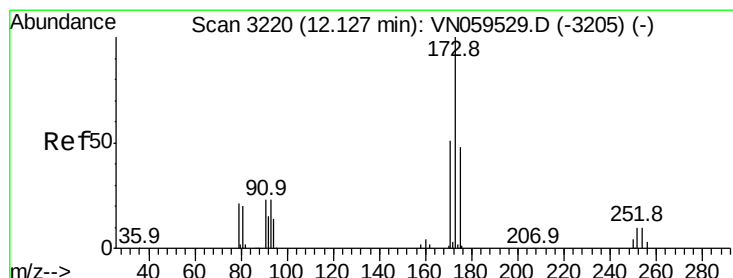
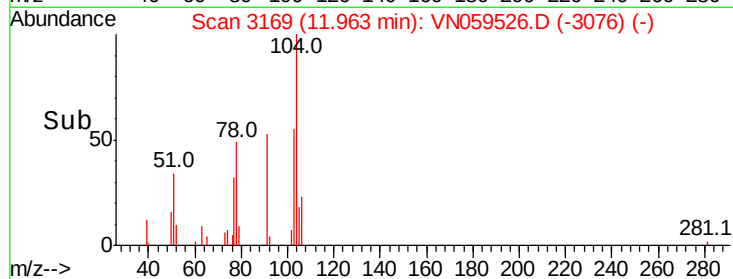
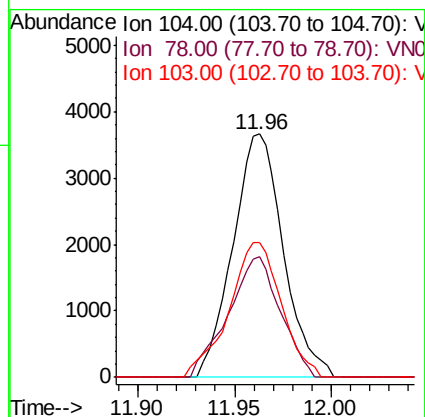
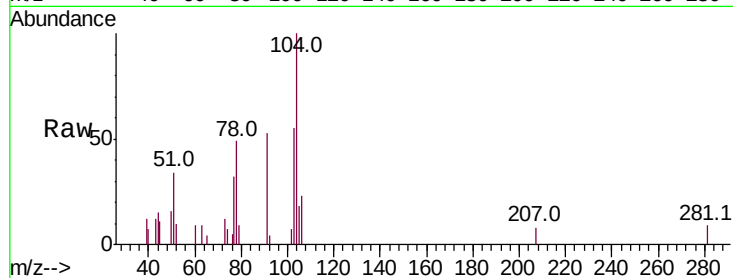




#70
Stvrene
Concen: 0.768 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

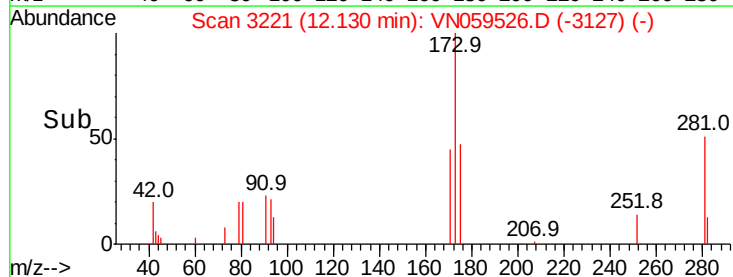
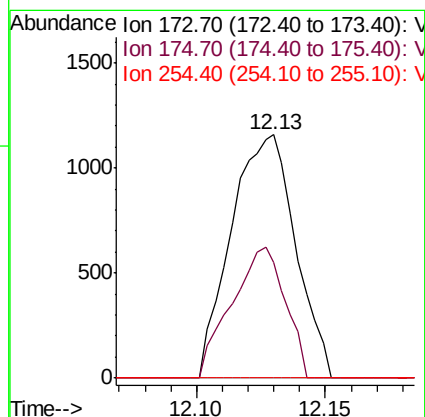
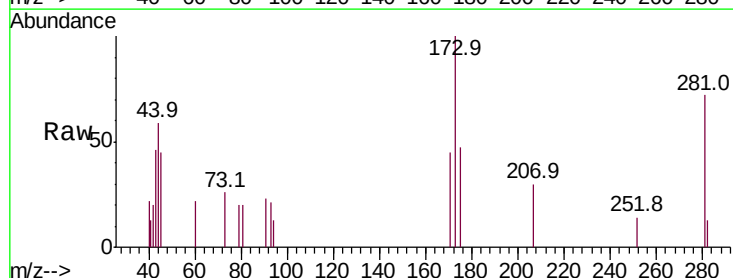
Instrument :
MSVOA_N
ClientSampled :

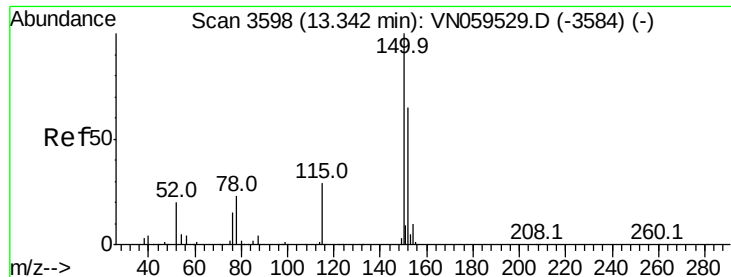
Tot Ion:104 Resp: 6650
Ion Ratio Lower Upper
104 100
78 50.9 40.6 60.8
103 57.3 43.9 65.9



#71
Bromoform
Concen: 0.820 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion:173 Resp: 2011
Ion Ratio Lower Upper
173 100
175 45.0 24.1 72.4
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

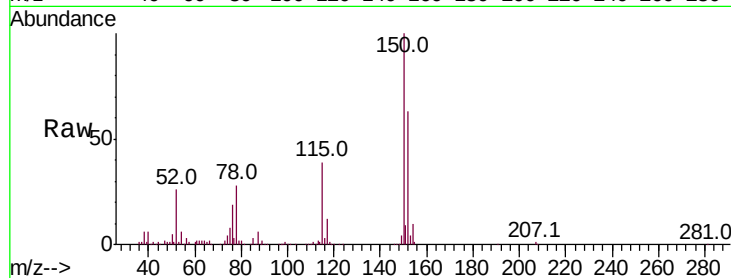
Tot Ion:152 Resp: 138582

Ion Ratio Lower Upper

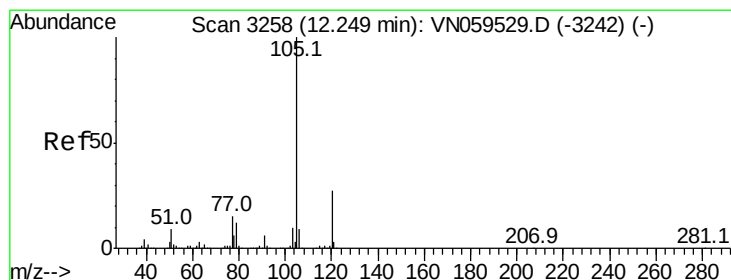
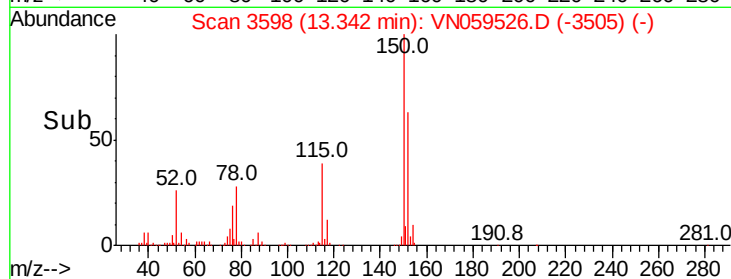
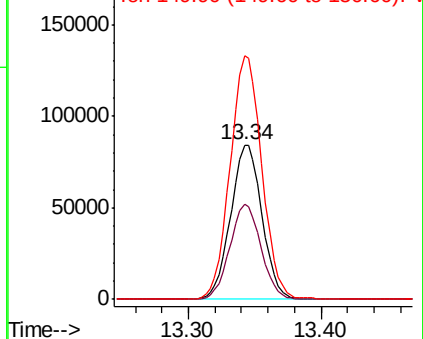
152 100

115 60.4 29.4 88.2

150 159.3 0.0 342.4



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



#73

Isopropylbenzene

Concen: 1.040 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059526.D

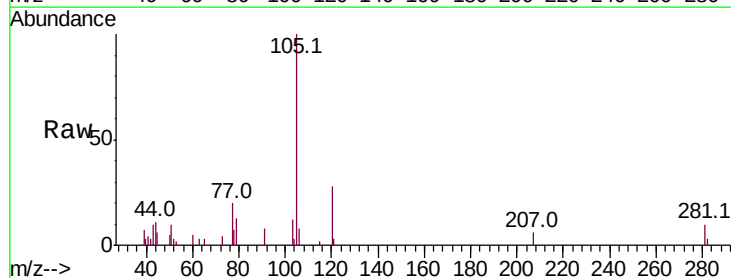
Acq: 9 Dec 2019 14:46

Tgt Ion:105 Resp: 10985

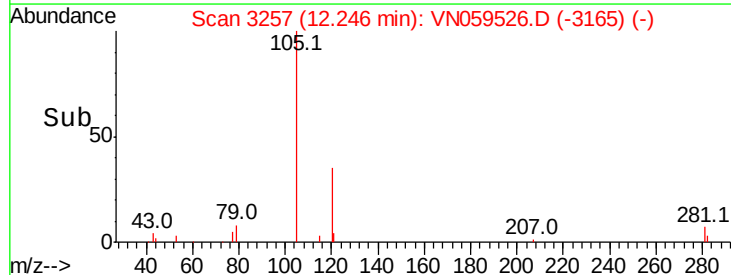
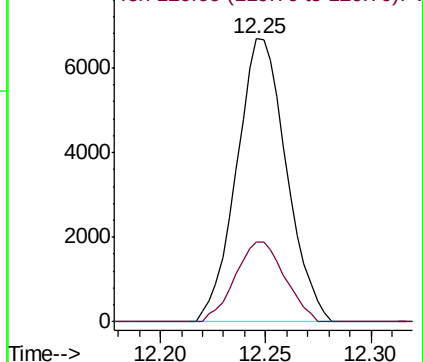
Ion Ratio Lower Upper

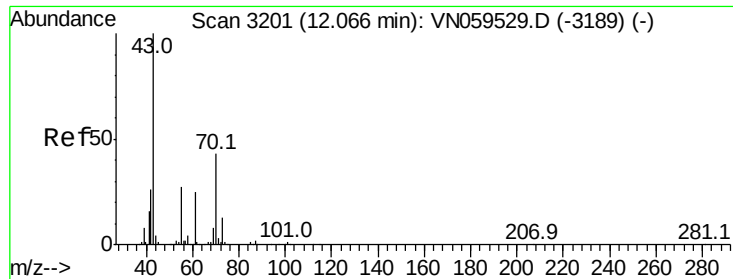
105 100

120 28.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.067 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 4602

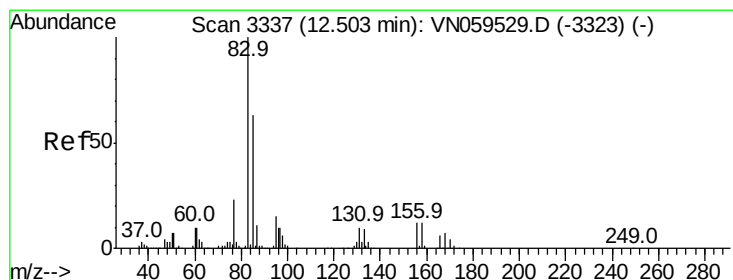
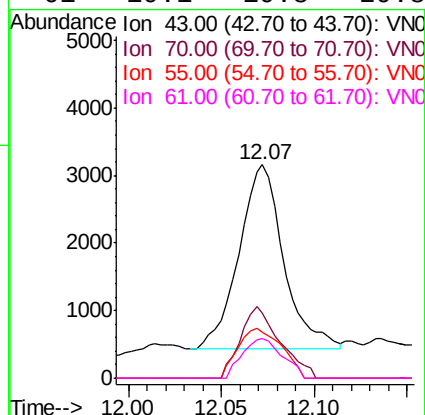
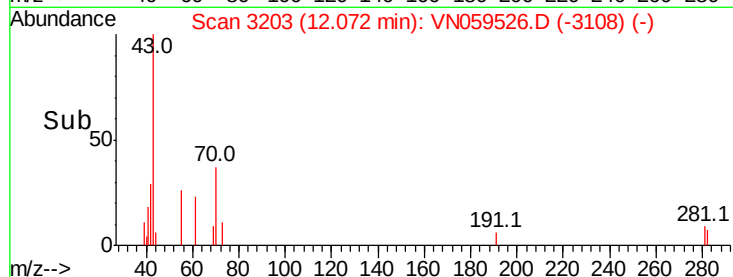
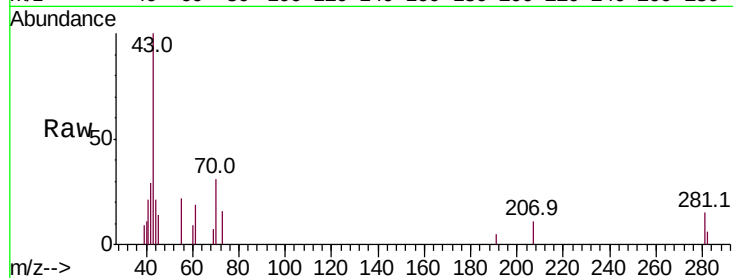
Ion Ratio Lower Upper

43 100

70 34.0 34.2 51.4#

55 26.3 21.3 31.9

61 19.1 19.8 29.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.276 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

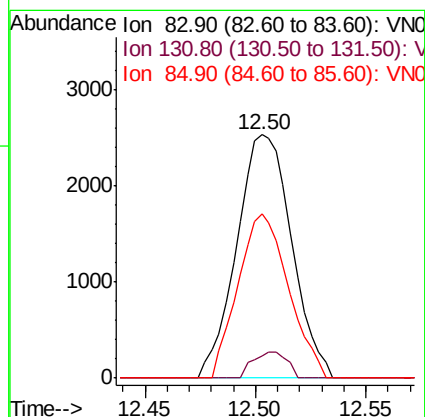
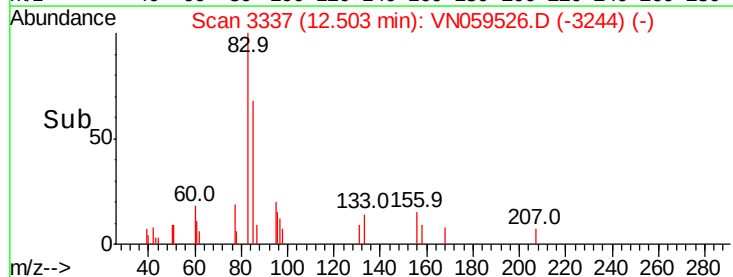
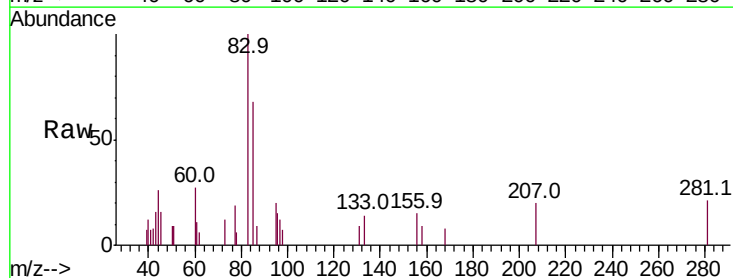
Tgt Ion: 83 Resp: 4374

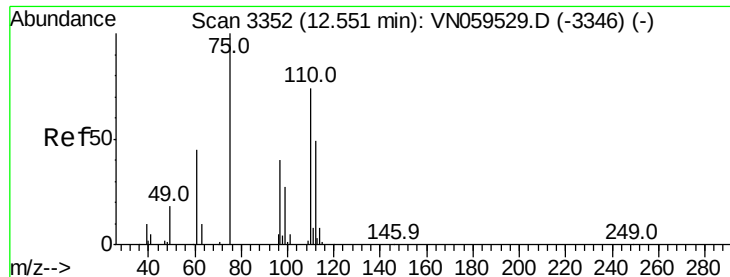
Ion Ratio Lower Upper

83 100

131 6.6 5.0 14.9

85 62.0 31.6 95.0





#76

1,2,3-Trichloropropane

Concen: 1.624 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

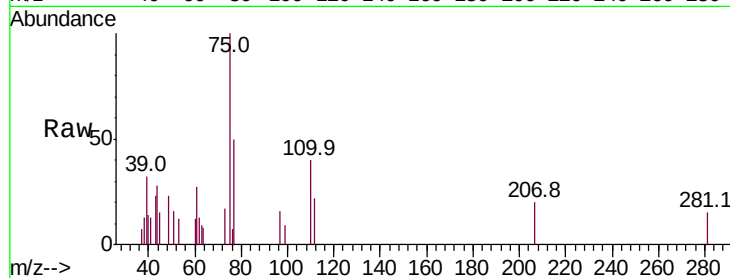
ClientSampled :

Tot Ion: 75 Resp: 5497

Ion Ratio Lower Upper

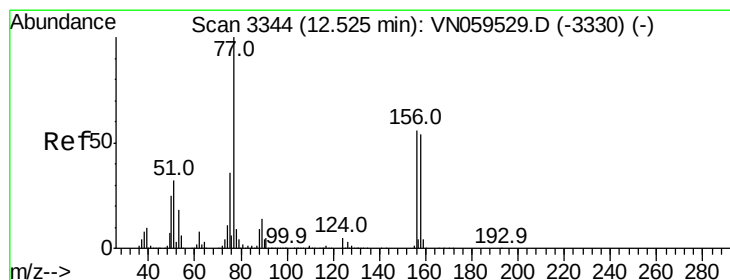
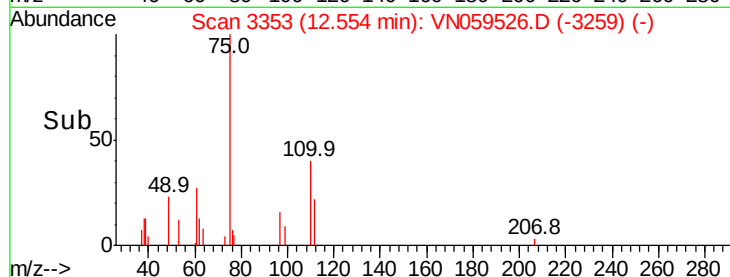
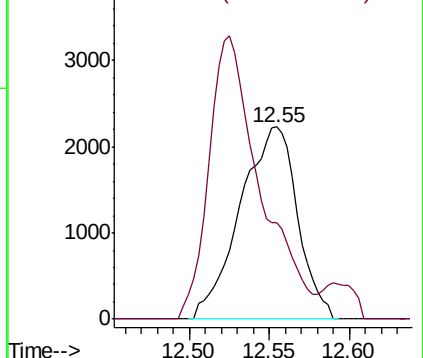
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.230 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

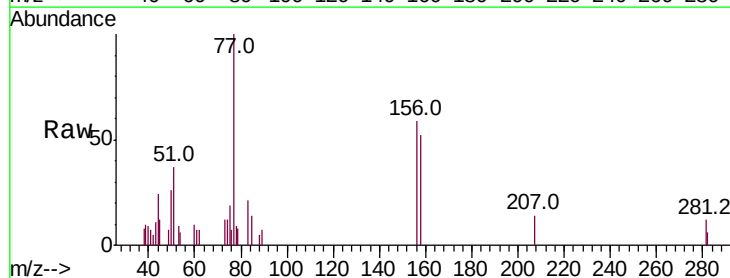
Tgt Ion: 156 Resp: 3290

Ion Ratio Lower Upper

156 100

77 220.5 109.3 327.8

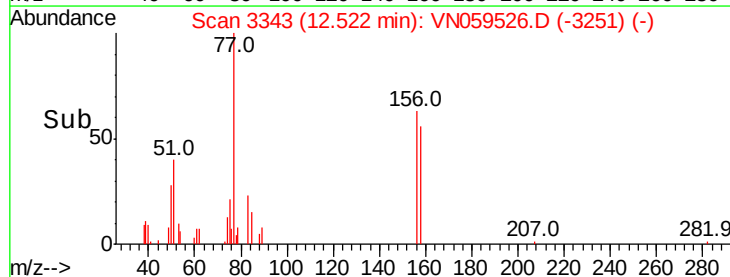
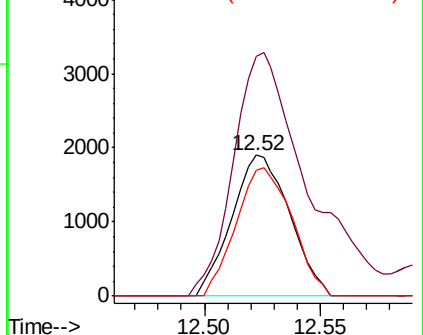
158 88.2 48.6 145.8

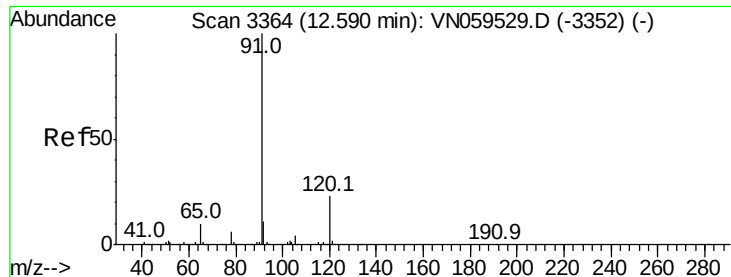


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.979 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

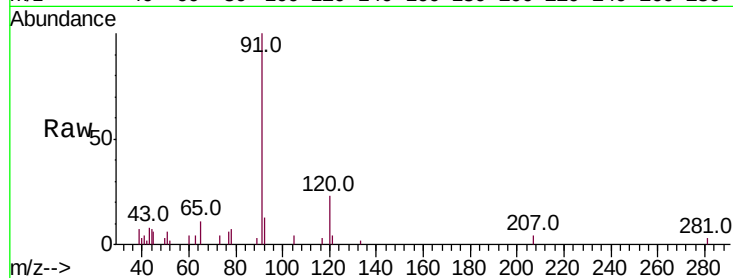
ClientSampleId :

Tot Ion: 91 Resp: 12156

Ion Ratio Lower Upper

91 100

120 21.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

8000

6000

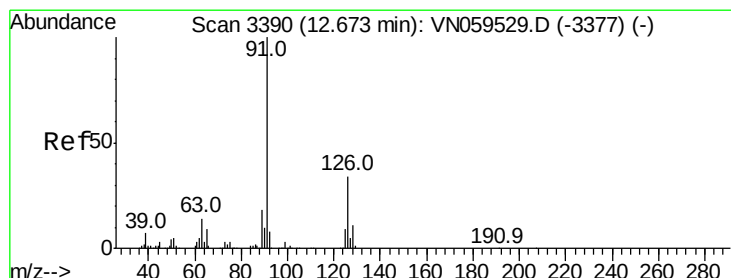
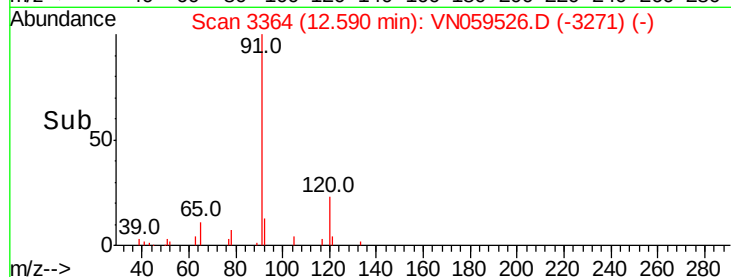
4000

2000

0

12.55 12.60 12.65

Time-->



#79

2-Chlorotoluene

Concen: 0.853 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059526.D

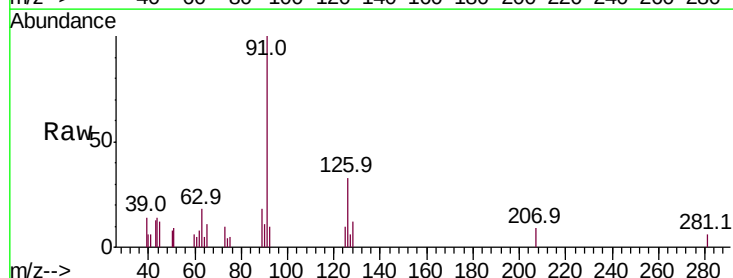
Acq: 9 Dec 2019 14:46

Tgt Ion: 91 Resp: 6393

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

4000

3000

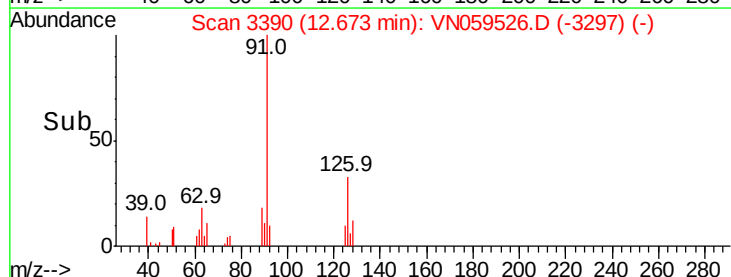
2000

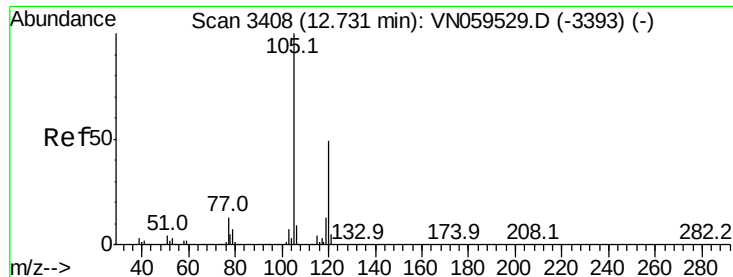
1000

0

12.65 12.70

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.827 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

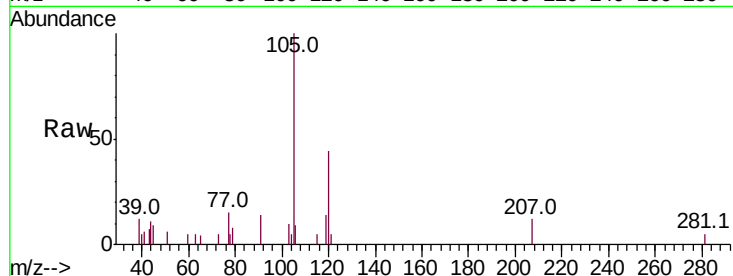
ClientSampled :

Tot Ion:105 Resp: 7396

Ion Ratio Lower Upper

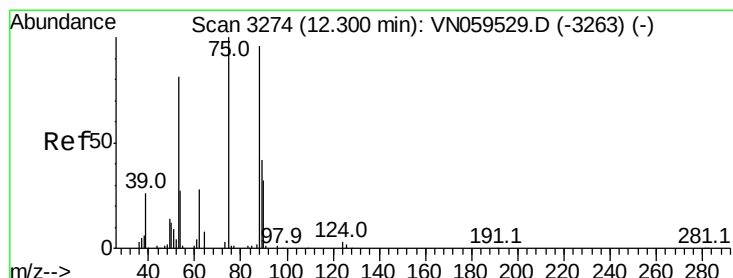
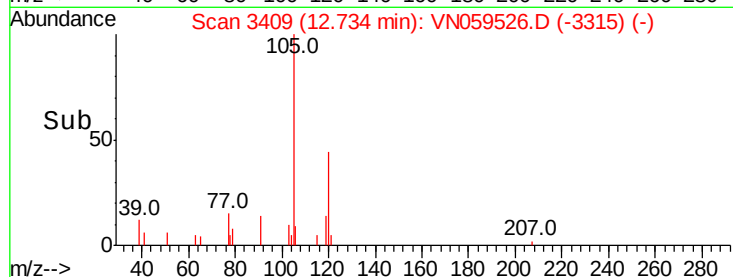
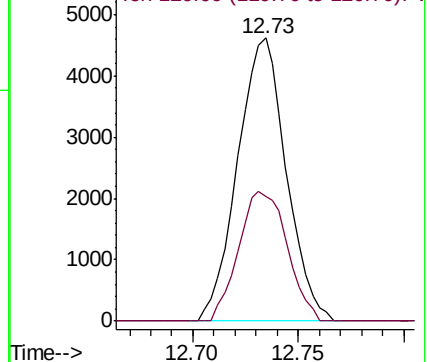
105 100

120 45.6 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 1.030 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

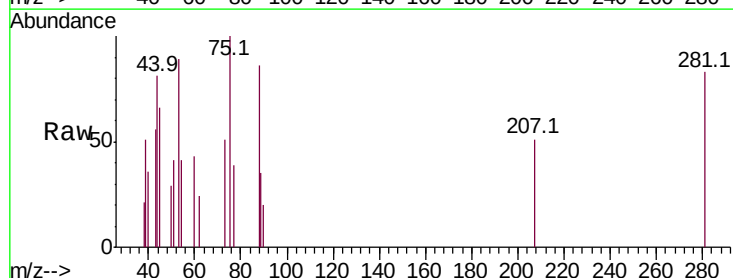
Tgt Ion: 75 Resp: 1285

Ion Ratio Lower Upper

75 100

53 96.3 67.0 100.6

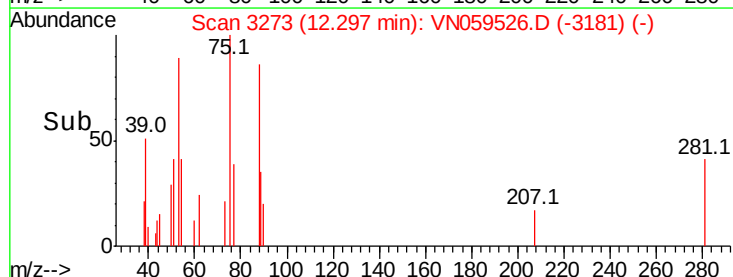
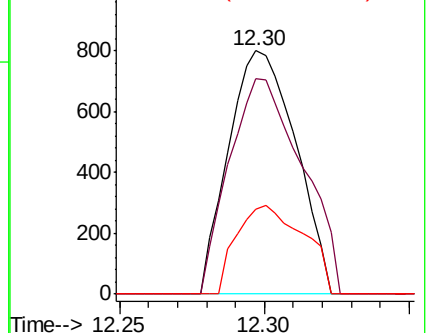
89 36.3 35.5 53.3

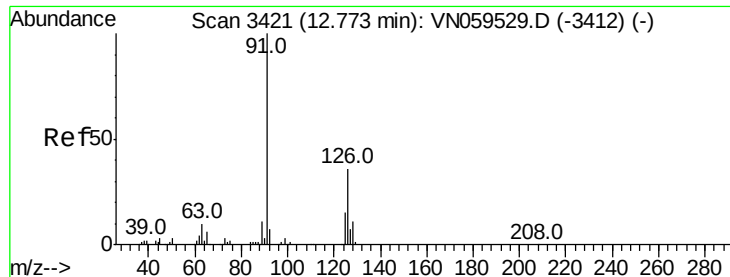


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

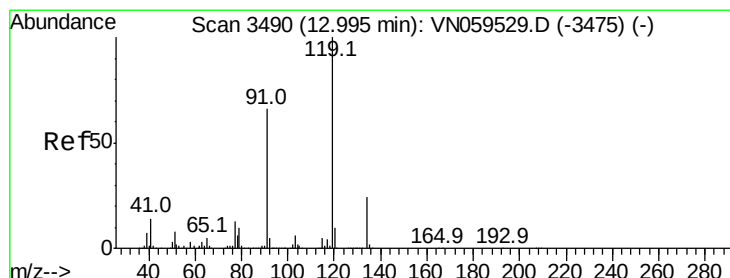
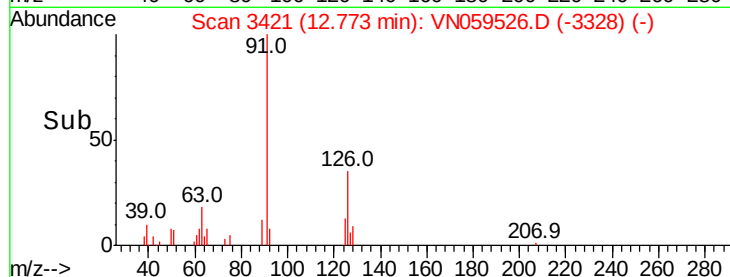
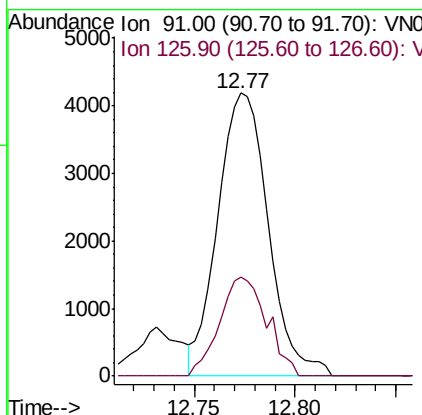
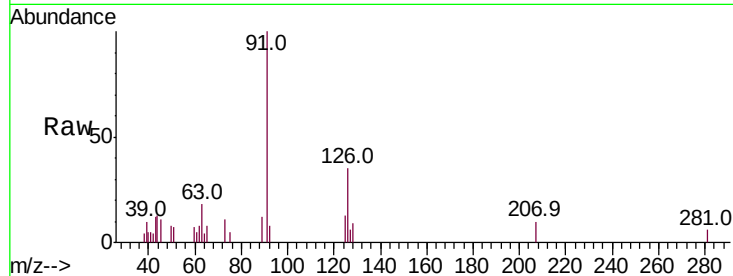




#82
4-Chlorotoluene
Concen: 0.945 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

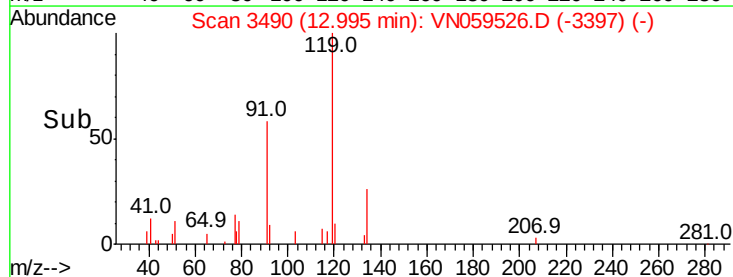
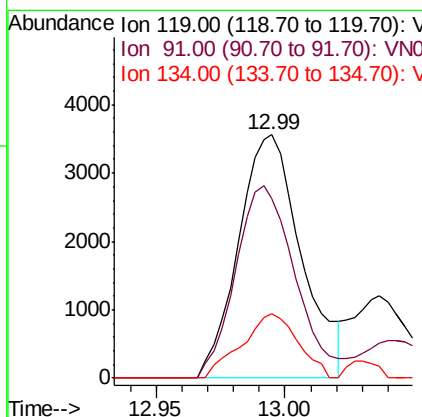
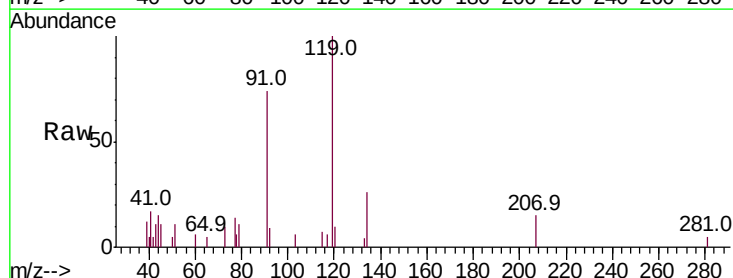
Instrument :
MSVOA_N
ClientSampled :

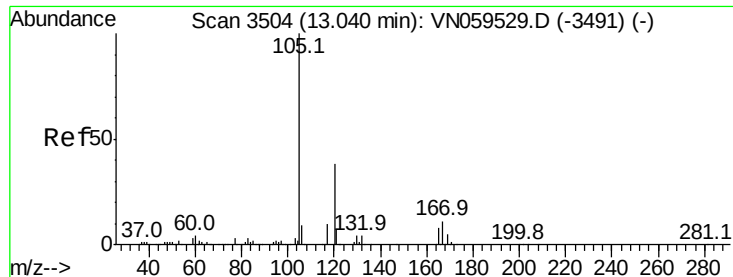
Tot Ion: 91 Resp: 7337
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.4



#83
tert-Butylbenzene
Concen: 0.780 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059526.D
Acq: 9 Dec 2019 14:46

Tgt Ion: 119 Resp: 6047
Ion Ratio Lower Upper
119 100
91 74.3 32.8 98.4
134 23.6 12.8 38.3





#84

1,2,4-Trimethylbenzene

Concen: 0.785 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

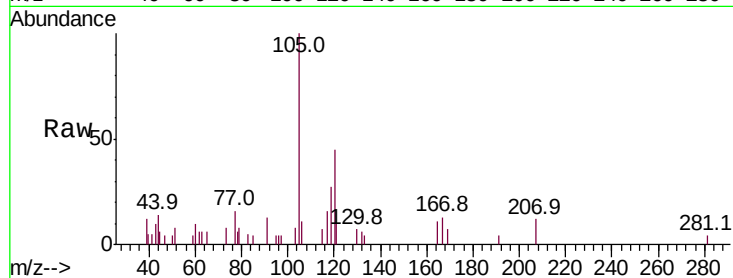
ClientSampleId :

Tot Ion:105 Resp: 6872

Ion Ratio Lower Upper

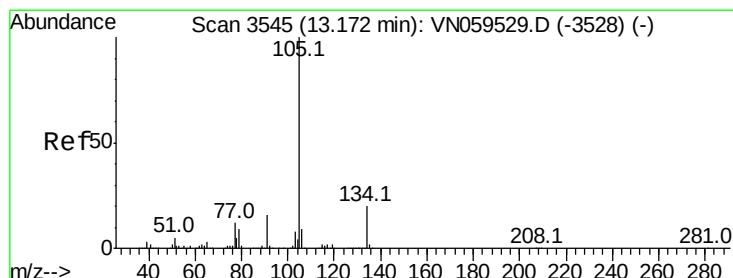
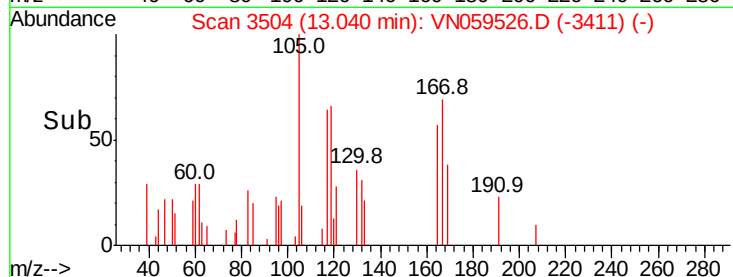
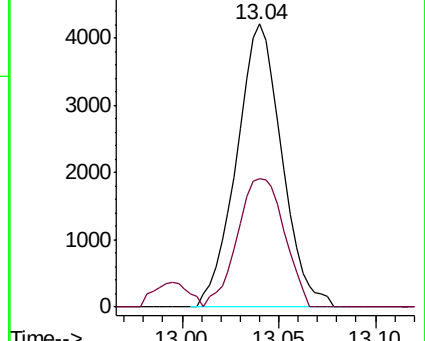
105 100

120 46.7 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.827 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059526.D

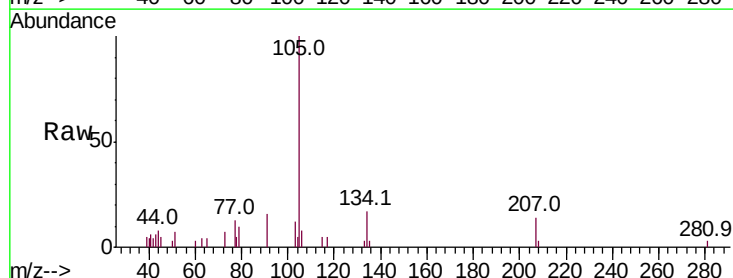
Acq: 9 Dec 2019 14:46

Tgt Ion:105 Resp: 8517

Ion Ratio Lower Upper

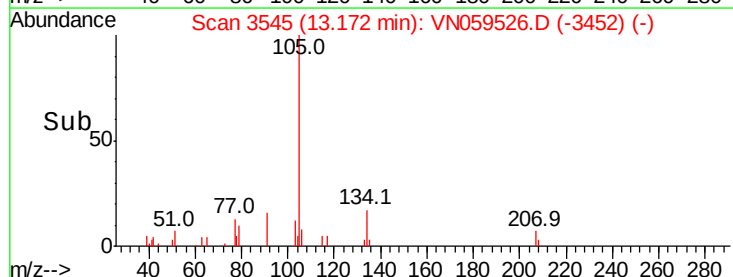
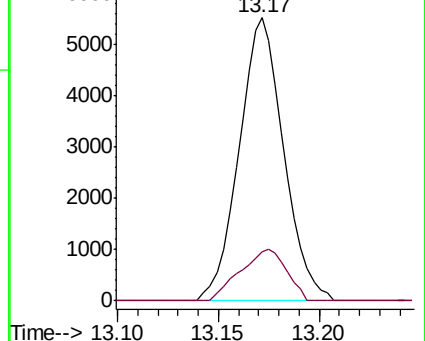
105 100

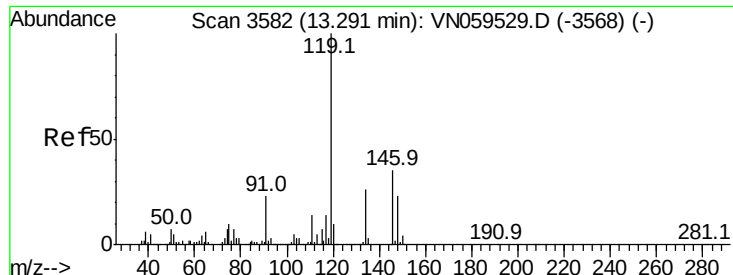
134 19.1 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

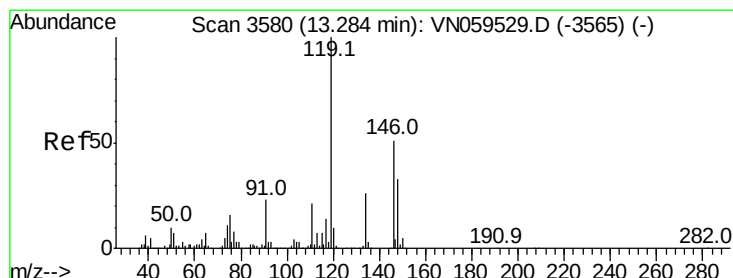
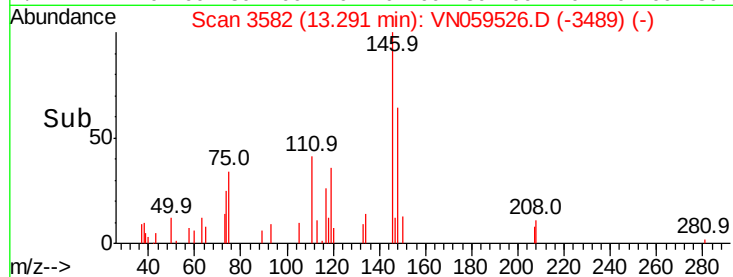
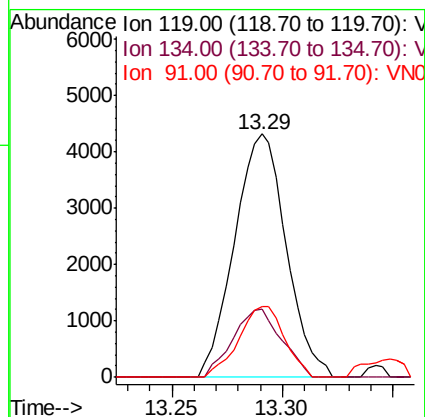
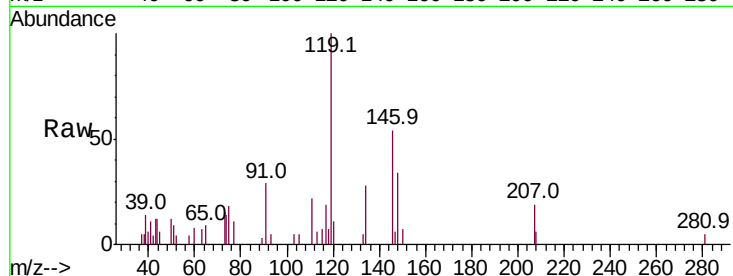




#86
 p-Isopropyltoluene
 Concen: 0.756 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

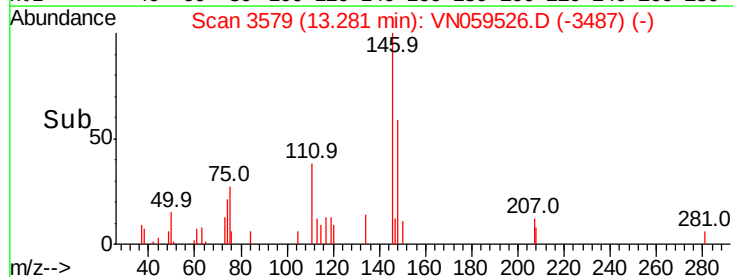
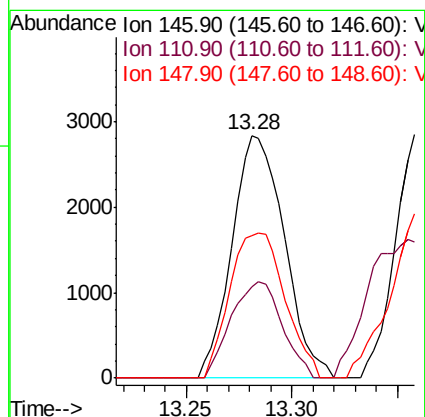
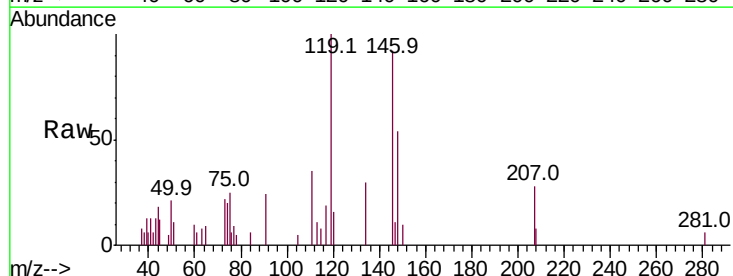
Instrument :
 MSVOA_N
 ClientSampleId :

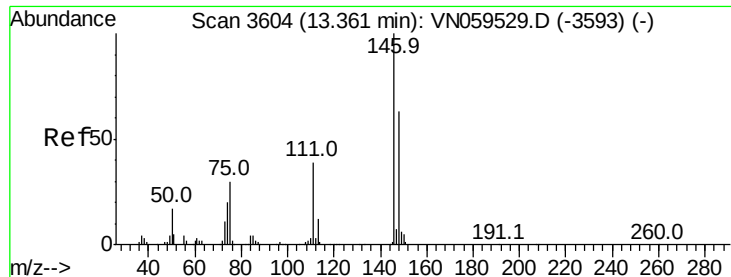
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	39.0
91	25.9	11.7	35.1



#87
 1,3-Dichlorobenzene
 Concen: 1.028 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.6	61.8
148	63.0	32.0	96.0





#88

1,4-Dichlorobenzene

Concen: 1.018 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

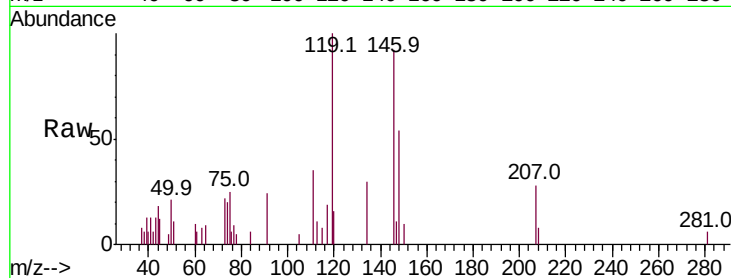
Tot Ion:146 Resp: 4893

Ion Ratio Lower Upper

146 100

111 38.7 20.0 59.9

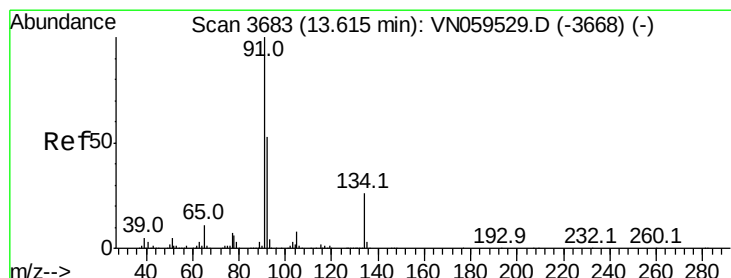
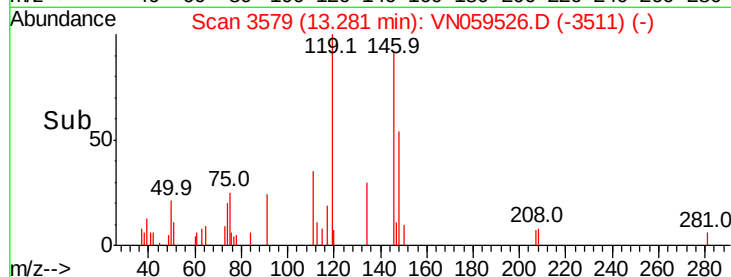
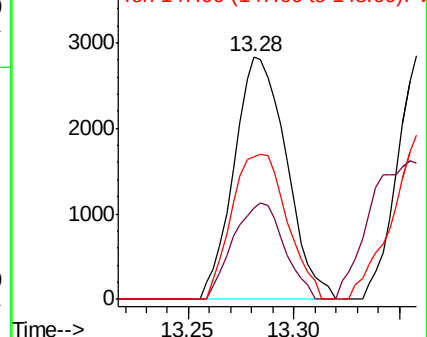
148 63.0 31.9 95.7



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



#89

n-Butylbenzene

Concen: 0.952 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

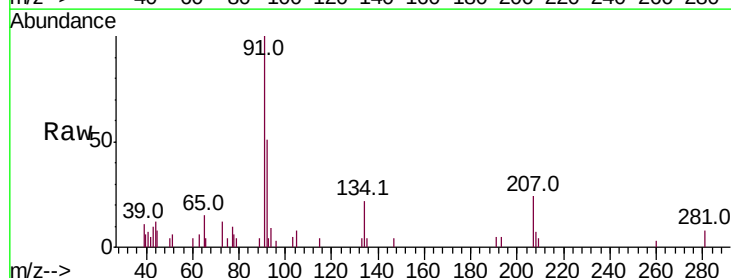
Tgt Ion: 91 Resp: 7924

Ion Ratio Lower Upper

91 100

92 49.1 26.3 78.9

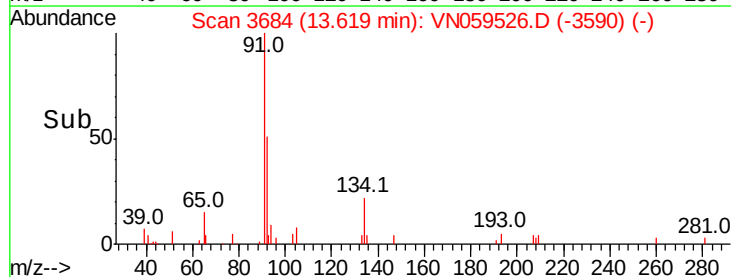
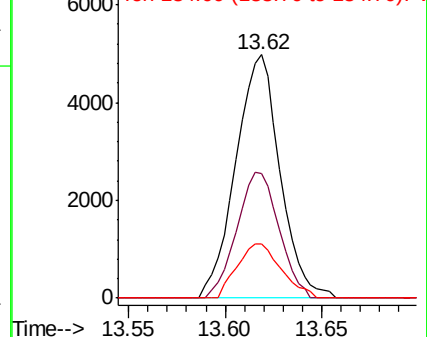
134 22.3 12.8 38.4

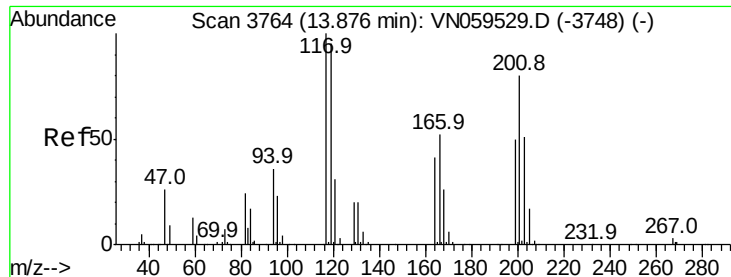


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.915 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

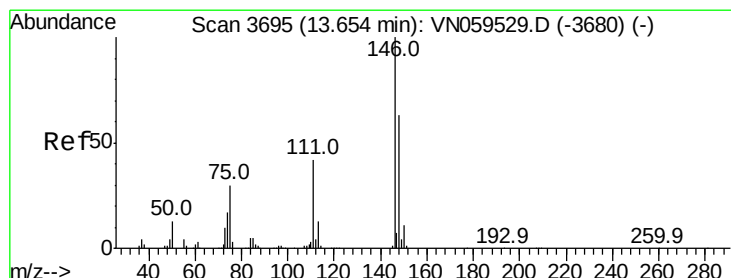
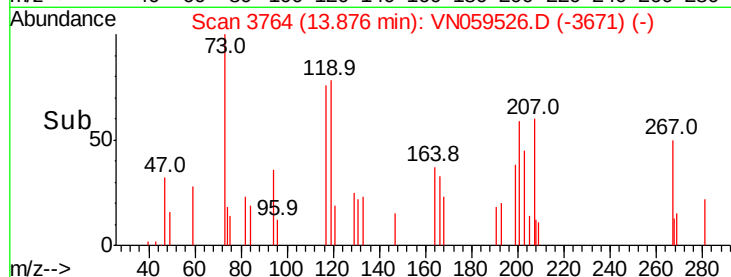
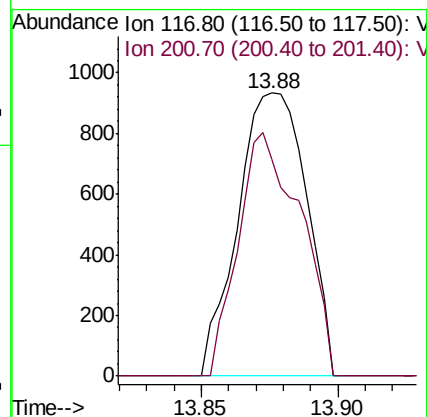
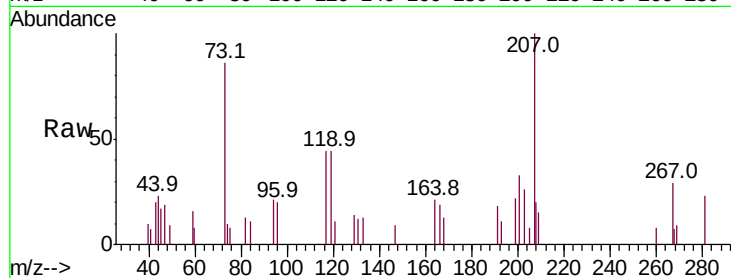
ClientSampled :

Tot Ion:117 Resp: 1634

Ion Ratio Lower Upper

117 100

201 78.5 40.5 121.5



#91

1,2-Dichlorobenzene

Concen: 1.025 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

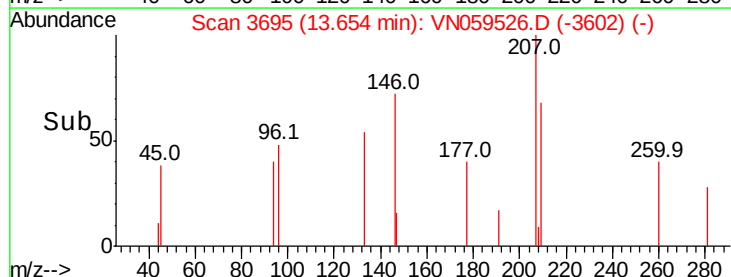
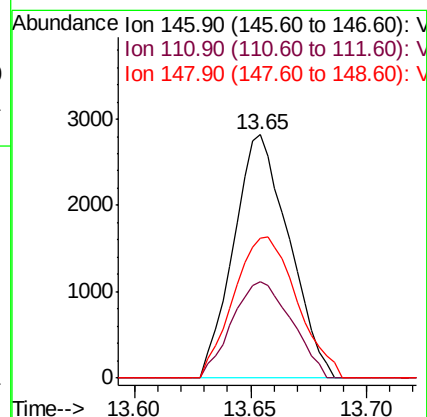
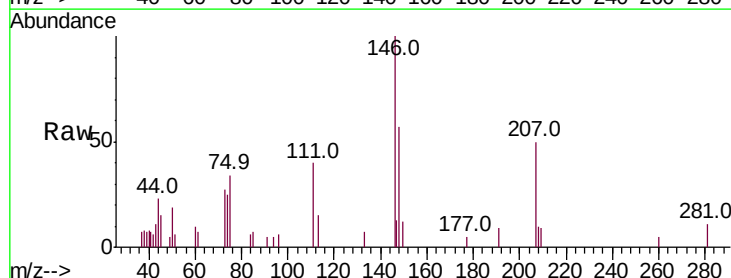
Tgt Ion:146 Resp: 4669

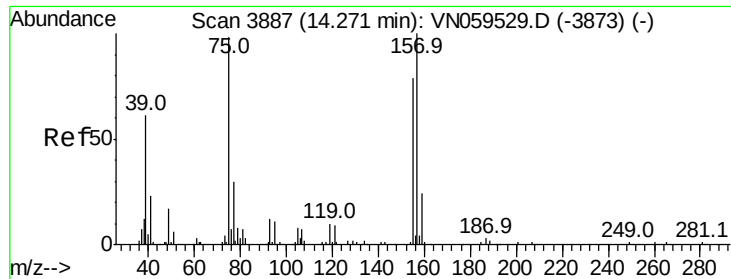
Ion Ratio Lower Upper

146 100

111 42.6 20.9 62.7

148 66.2 31.6 94.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.773 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

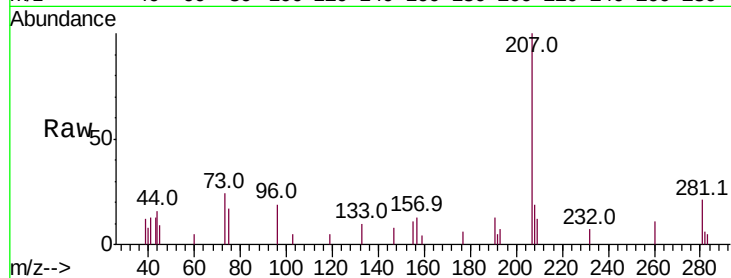
Tot Ion: 75 Resp: 1467

Ion Ratio Lower Upper

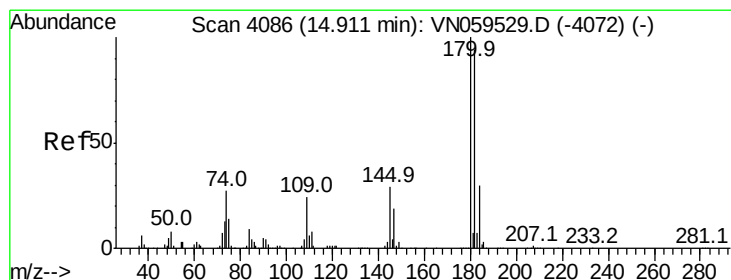
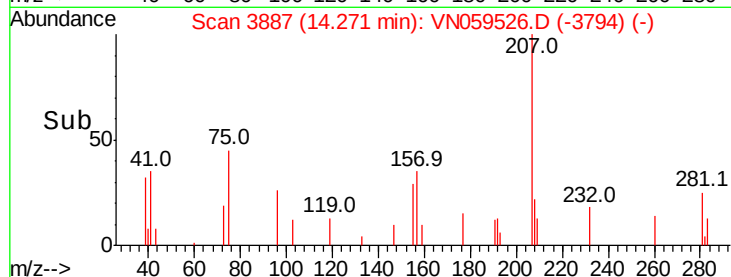
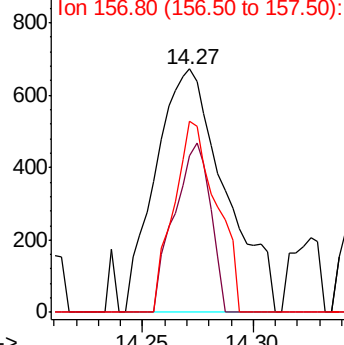
75 100

155 36.5 40.4 121.1#

157 48.3 51.1 153.3#



Abundance Ion 74.90 (74.60 to 75.60): VN059526.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.346 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

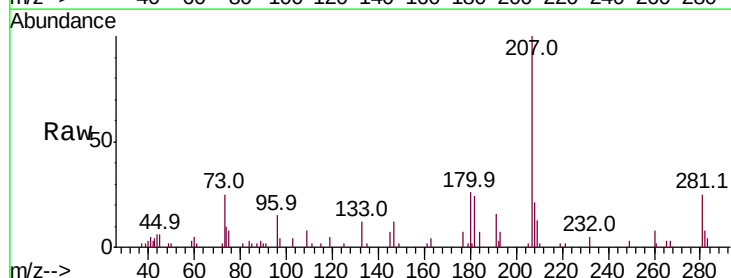
Tgt Ion:180 Resp: 3857

Ion Ratio Lower Upper

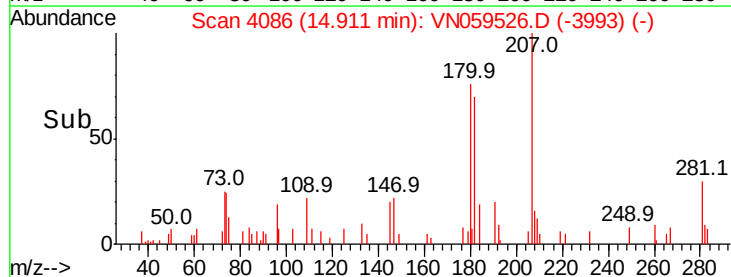
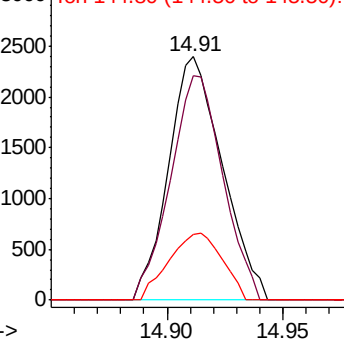
180 100

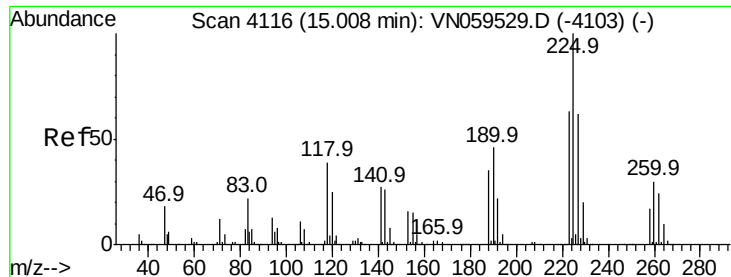
182 89.6 47.3 142.0

145 27.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): VN059526.D (-4072) (-)





#94

Hexachlorobutadiene

Concen: 1.173 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

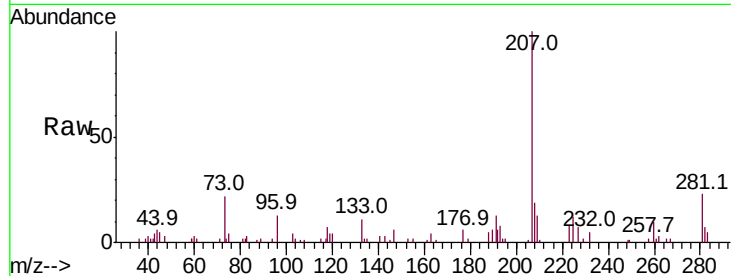
Tot Ion:225 Resp: 2093

Ion Ratio Lower Upper

225 100

223 70.2 31.3 93.9

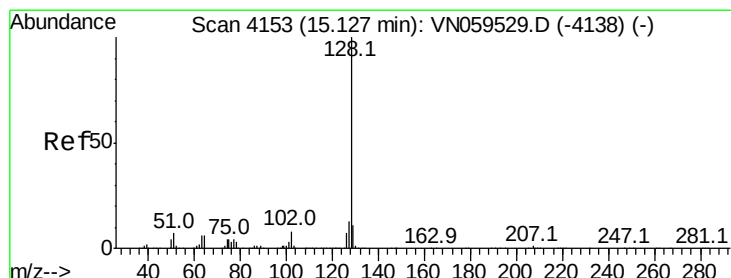
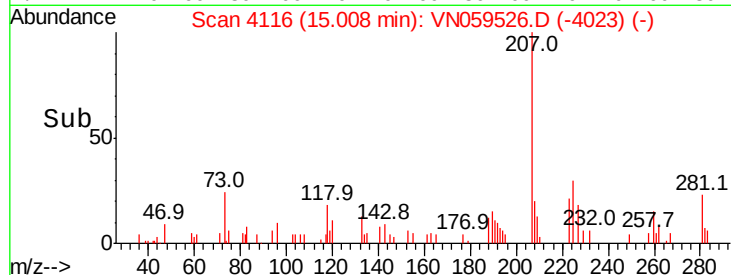
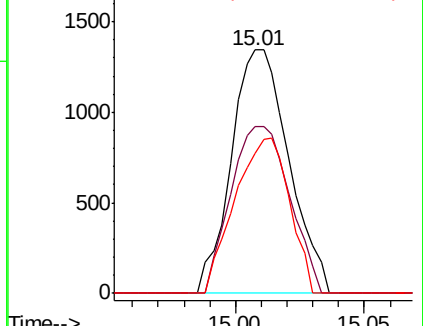
227 60.5 31.6 95.0



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: 1.557 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059526.D

Acq: 9 Dec 2019 14:46

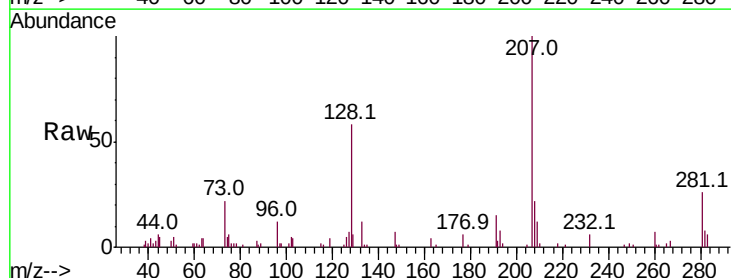
Tgt Ion:128 Resp: 13081

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

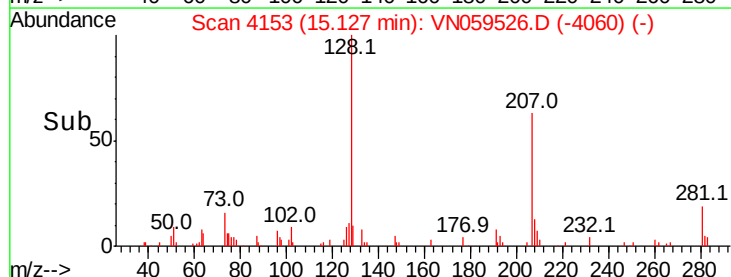
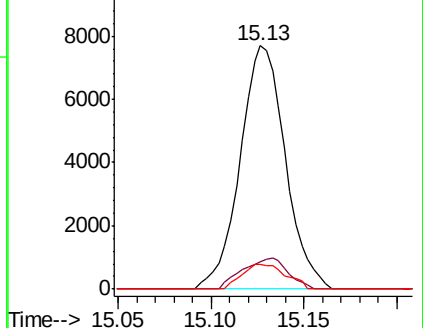
129 9.7 8.6 13.0

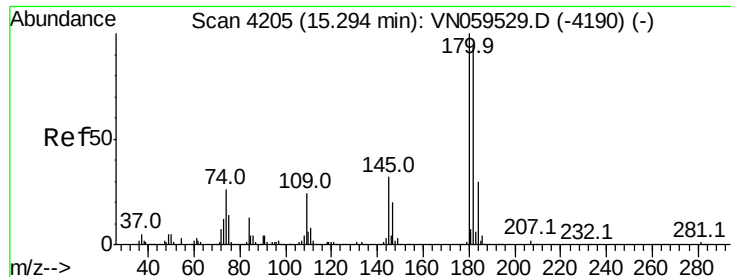


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

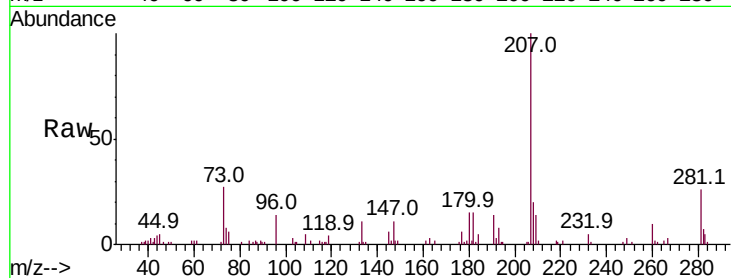




#96
 1,2,3-Trichlorobenzene
 Concen: 1.412 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059526.D
 Acq: 9 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.1	141.4
145	41.5	15.8	47.4



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

