

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059564.D
 Acq On : 11 Dec 2019 16:08
 Operator : JC/SP
 Sample : VN1211WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Quant Time: Dec 12 00:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	277743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	447703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	406812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	209426	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.57	113	148026	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
50) Toluene-d8	10.08	98	569900	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	202725	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64198	20.040	ug/l	97
3) Chloromethane	2.04	50	100985	20.824	ug/l	100
4) Vinyl Chloride	2.17	62	98754	20.661	ug/l	100
5) Bromomethane	2.54	94	57933	19.899	ug/l	96
6) Chloroethane	2.68	64	58006	20.323	ug/l	97
7) Trichlorofluoromethane	2.99	101	123017	21.530	ug/l	99
8) Diethyl Ether	3.39	74	36088	18.429	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	58012	19.509	ug/l	98
10) Methyl Iodide	3.92	142	72449	17.993	ug/l	97
11) Tert butyl alcohol	4.75	59	76982	119.874	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	55141	19.075	ug/l	96
13) Acrolein	3.58	56	43370	138.780	ug/l	98
14) Allyl chloride	4.29	41	110393	19.852	ug/l	98
15) Acrylonitrile	4.95	53	174045	102.757	ug/l	100
16) Acetone	3.79	43	225806	124.524	ug/l	99
17) Carbon Disulfide	4.02	76	173723	18.624	ug/l	100
18) Methyl Acetate	4.30	43	93409	19.620	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	197882	20.593	ug/l	99
20) Methylene Chloride	4.52	84	66647	20.232	ug/l	96
21) trans-1,2-Dichloroethene	5.00	96	61272	19.748	ug/l	95
22) Diisopropyl ether	5.92	45	219165	20.703	ug/l	99
23) Vinyl Acetate	5.86	43	935729	105.962	ug/l	100
24) 1,1-Dichloroethane	5.82	63	123834	20.603	ug/l	99
25) 2-Butanone	6.81	43	276739	113.379	ug/l	99
26) 2,2-Dichloropropane	6.80	77	111211	20.481	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	69595	19.942	ug/l	99
28) Bromochloromethane	7.17	49	51746	24.255	ug/l	98
29) Tetrahydrofuran	7.19	42	174704	102.900	ug/l	99
30) Chloroform	7.35	83	120526	20.318	ug/l	95
31) Cyclohexane	7.63	56	113688	19.436	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	107213	20.373	ug/l	99
36) 1,1-Dichloropropene	7.77	75	91877	20.003	ug/l	99
37) Ethyl Acetate	6.90	43	105776	20.678	ug/l	99
38) Carbon Tetrachloride	7.75	117	94161	20.798	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	102285	19.852	ug/l	97
40) Benzene	8.02	78	266189	20.286	ug/l	100
41) Methacrylonitrile	7.18	41	157641	70.621	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	103468	21.164	ug/l	99
43) Isopropyl Acetate	8.15	43	162783	20.530	ug/l	99
44) Trichloroethene	8.82	130	67542	20.375	ug/l	97
45) 1,2-Dichloropropane	9.10	63	73441	21.128	ug/l	99
46) Dibromomethane	9.19	93	47298	20.589	ug/l	98
47) Bromodichloromethane	9.39	83	96056	21.039	ug/l	98
48) Methyl methacrylate	9.18	41	71947	20.753	ug/l	98
49) 1,4-Dioxane	9.19	88	23726	534.884	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	516902	102.123	ug/l	99
52) Toluene	10.14	92	160656	20.549	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	106115	19.948	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	112559	20.674	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	64157	20.290	ug/l	98
56) Ethyl methacrylate	10.42	69	93724	18.602	ug/l	99
57) 1,3-Dichloropropane	10.70	76	112206	20.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	158549	122.398	ug/l	100
59) 2-Hexanone	10.74	43	382834	100.823	ug/l	99
60) Dibromochloromethane	10.90	129	69115	18.978	ug/l	99
61) 1,2-Dibromoethane	11.00	107	65400	19.868	ug/l	98
64) Tetrachloroethene	10.63	164	59242	19.925	ug/l	96
65) Chlorobenzene	11.43	112	167844	19.691	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	64604	20.321	ug/l	97
67) Ethyl Benzene	11.51	91	305843	19.939	ug/l	99
68) m/p-Xylenes	11.62	106	225272	39.150	ug/l	97
69) o-Xylene	11.94	106	107522	20.076	ug/l	96
70) Styrene	11.96	104	171372	19.314	ug/l	98
71) Bromoform	12.12	173	48105	19.231	ug/l #	99
73) Isopropylbenzene	12.25	105	287161	19.853	ug/l	100
74) N-amyl acetate	12.07	43	131425	20.859	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	97100	19.811	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	136813	27.744	ug/l #	100
77) Bromobenzene	12.52	156	70480	19.572	ug/l	94
78) n-propylbenzene	12.59	91	346164	19.476	ug/l	99
79) 2-Chlorotoluene	12.67	91	202505	19.107	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	245642	19.804	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34832	19.005	ug/l #	84
82) 4-Chlorotoluene	12.77	91	208202	19.212	ug/l	99
83) tert-Butylbenzene	12.99	119	201844	19.514	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	247790	20.232	ug/l	97
85) sec-Butylbenzene	13.17	105	284003	19.990	ug/l	99
86) p-Isopropyltoluene	13.29	119	253692	19.979	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126529	19.077	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124572	19.181	ug/l	97
89) n-Butylbenzene	13.62	91	237811	19.946	ug/l	97
90) Hexachloroethane	13.87	117	46402	19.898	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	122034	19.606	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23263	21.918	ug/l	89

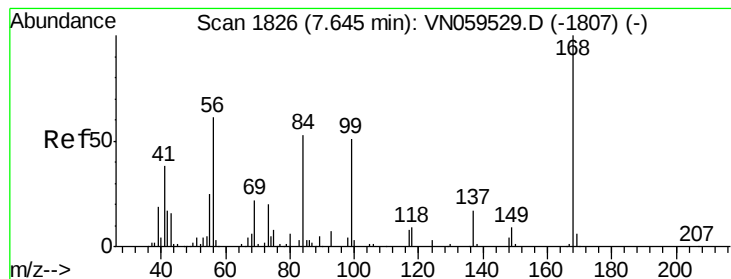
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79235	18.405	ug/l	99
94) Hexachlorobutadiene	15.01	225	41323	18.789	ug/l	97
95) Naphthalene	15.13	128	229284	18.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	79250	20.398	ug/l	100

(#) = 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: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

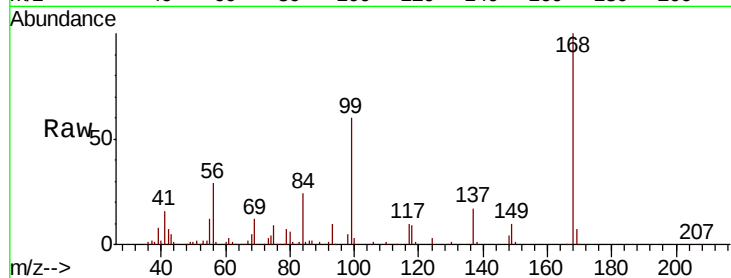
VN1211WBSD01

Tot Ion:168 Resp: 277743

Ion Ratio Lower Upper

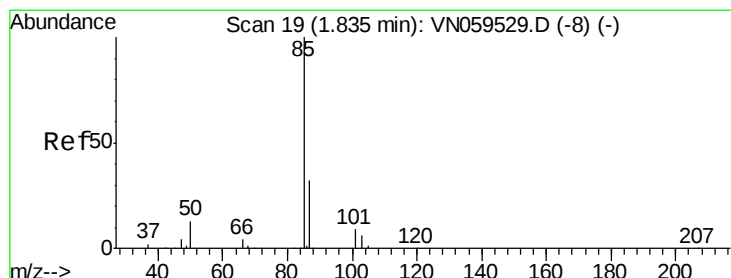
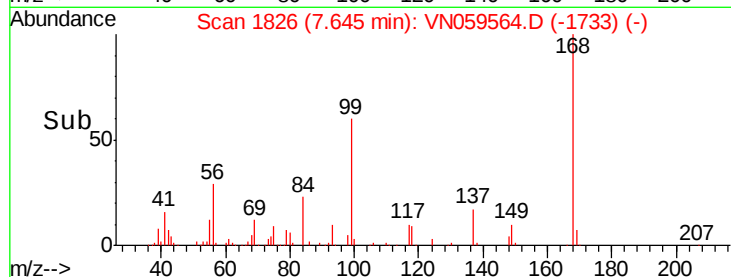
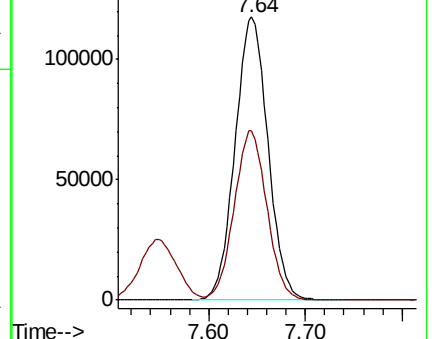
168 100

99 59.7 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.040 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059564.D

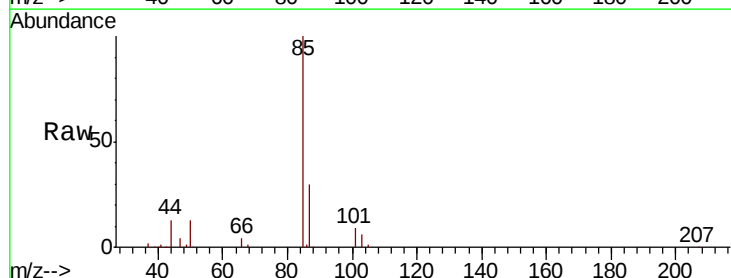
Acq: 11 Dec 2019 16:08

Tgt Ion: 85 Resp: 64198

Ion Ratio Lower Upper

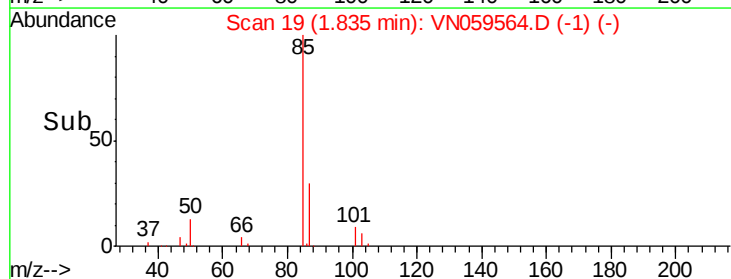
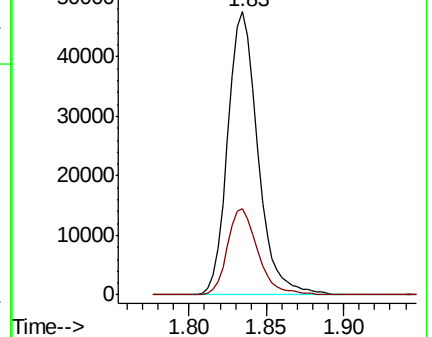
85 100

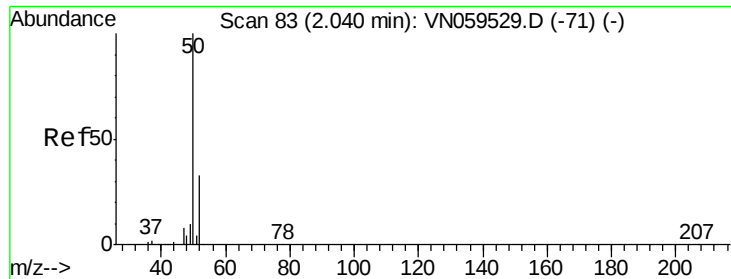
87 30.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.824 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

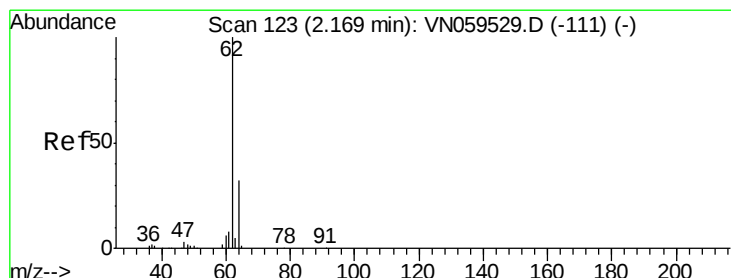
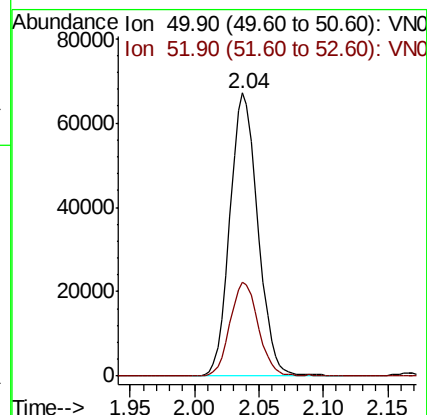
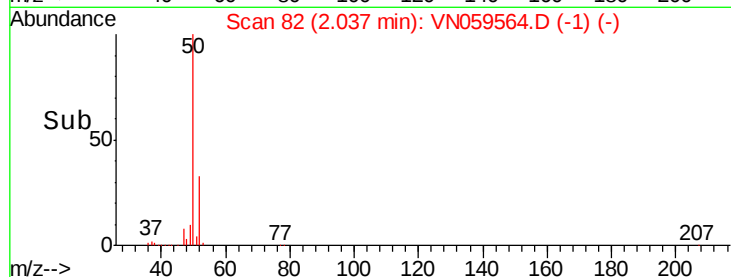
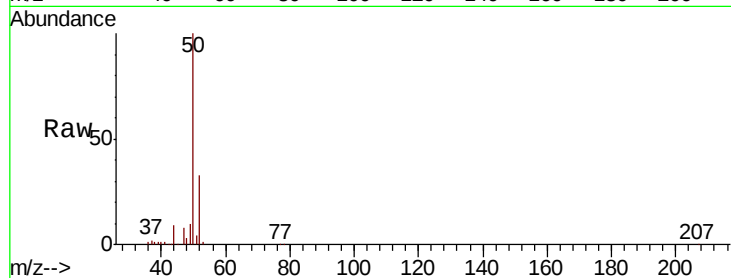
VN1211WBSD01

Tot Ion: 50 Resp: 100985

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 20.661 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059564.D

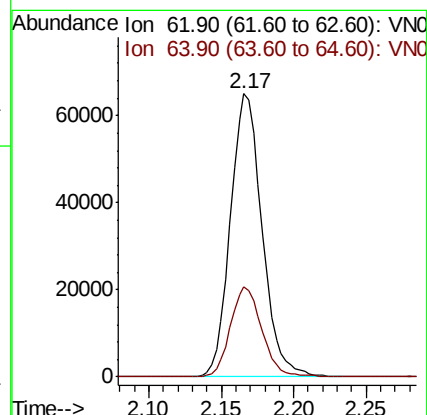
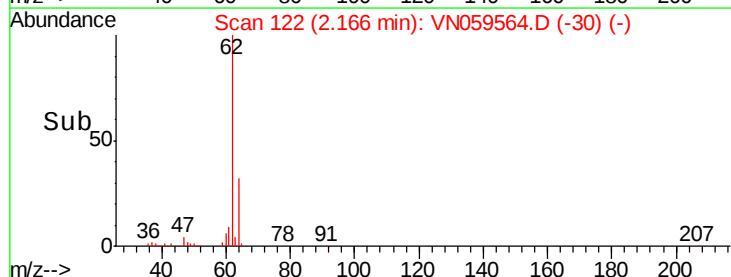
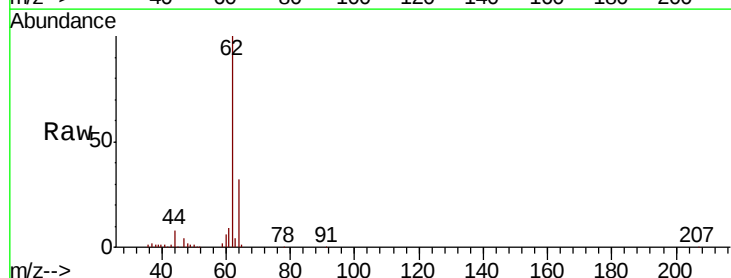
Acq: 11 Dec 2019 16:08

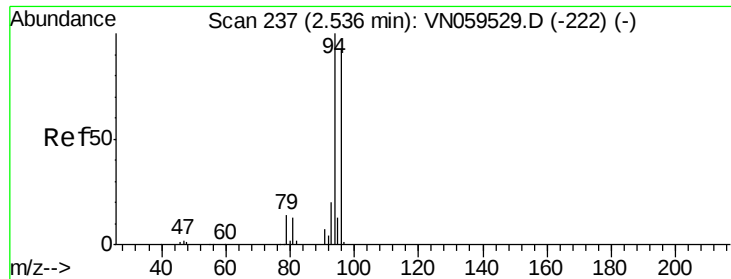
Tgt Ion: 62 Resp: 98754

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 19.899 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

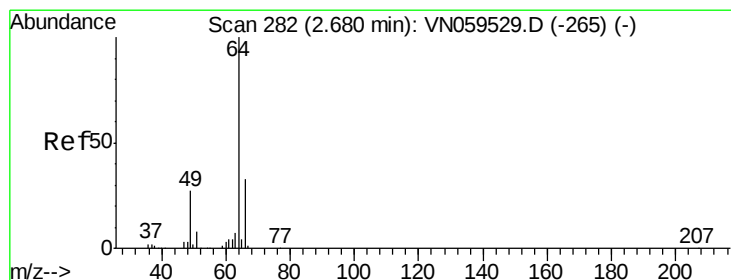
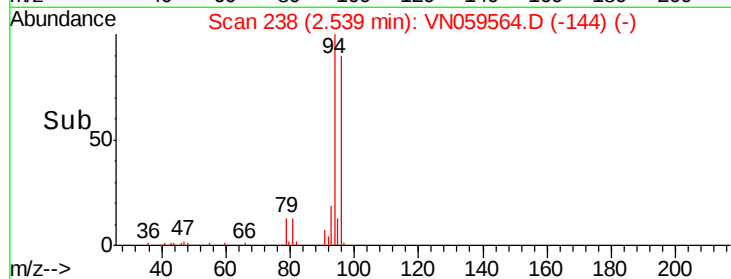
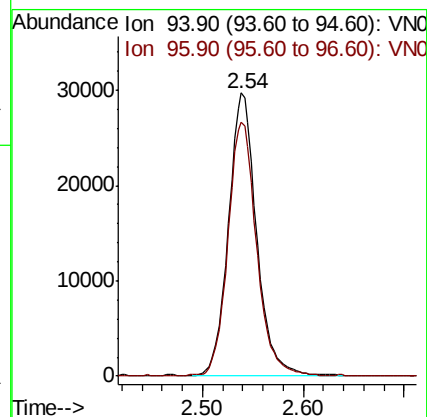
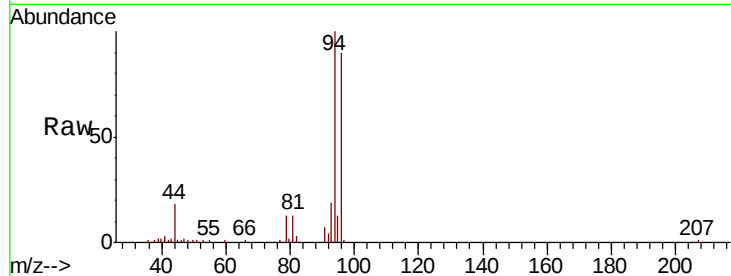
VN1211WBSD01

Tot Ion: 94 Resp: 57933

Ion Ratio Lower Upper

94 100

96 89.4 74.6 112.0



#6

Chloroethane

Concen: 20.323 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059564.D

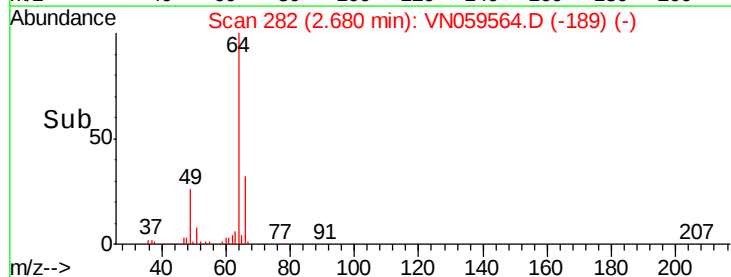
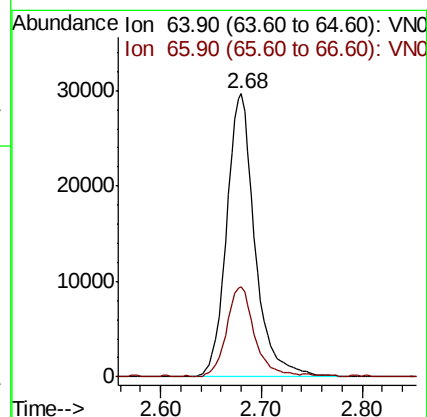
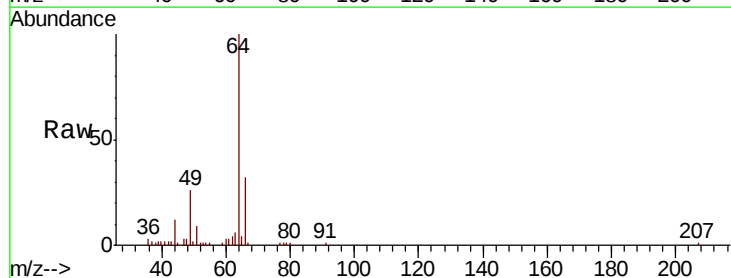
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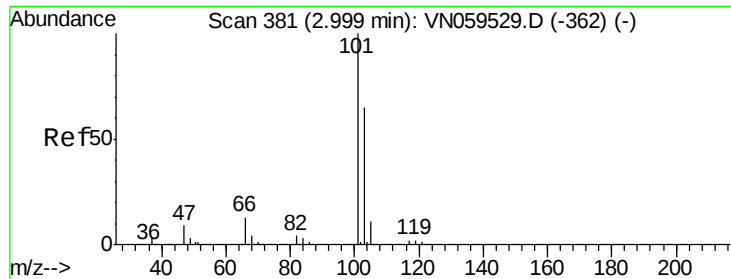
Tgt Ion: 64 Resp: 58006

Ion Ratio Lower Upper

64 100

66 31.9 26.7 40.1



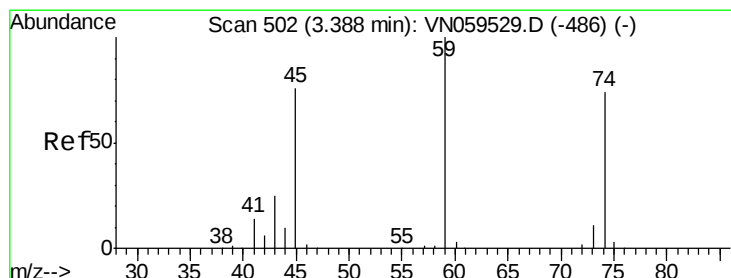
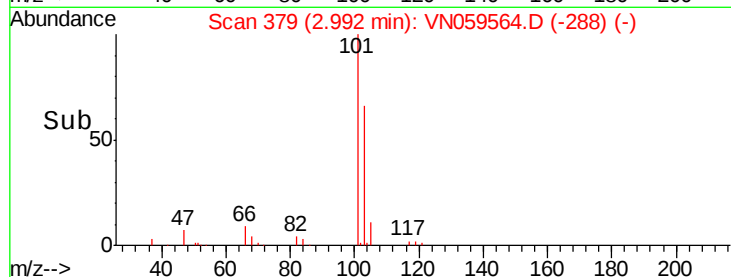
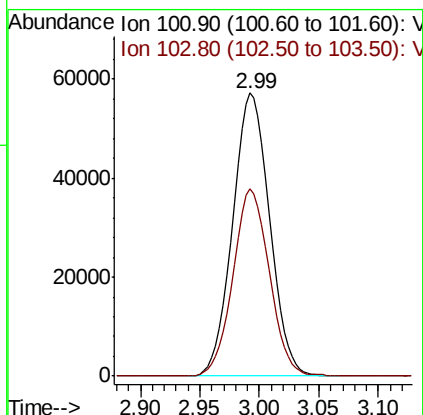
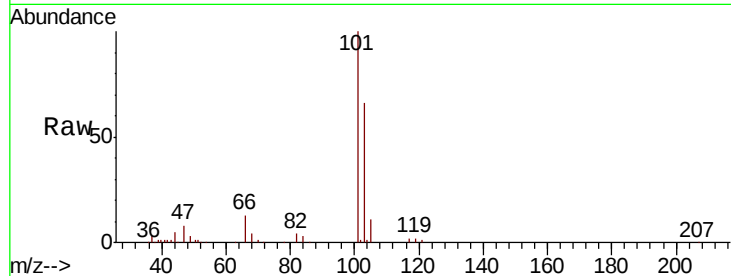


#7

Trichlorofluoromethane
 Concen: 21.530 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

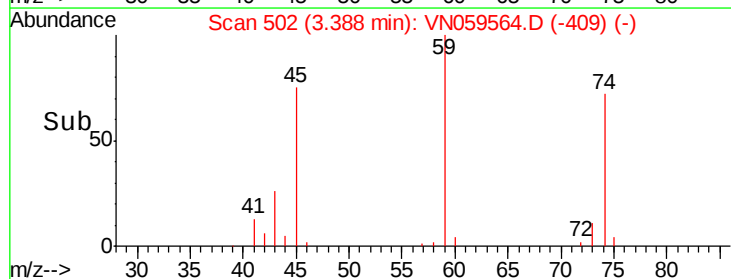
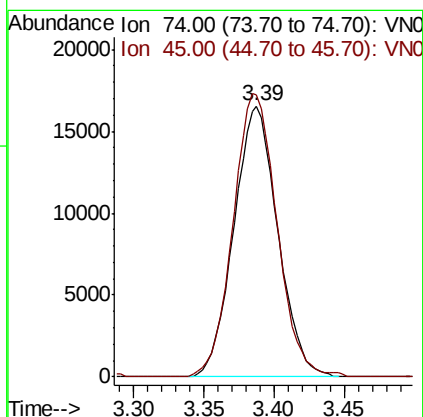
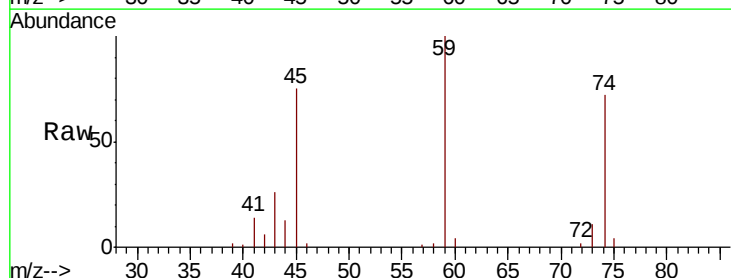
Tot Ion:101 Resp: 123017
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.2 78.4

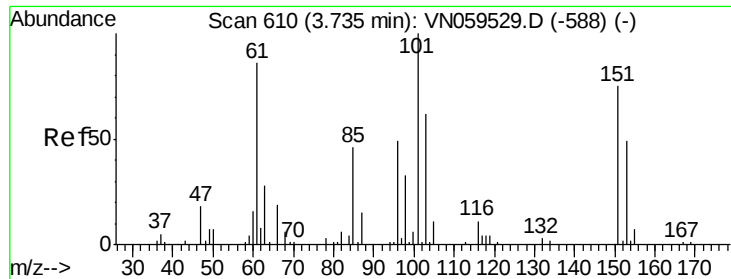


#8

Diethyl Ether
 Concen: 18.429 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion: 74 Resp: 36088
 Ion Ratio Lower Upper
 74 100
 45 104.5 52.6 157.9

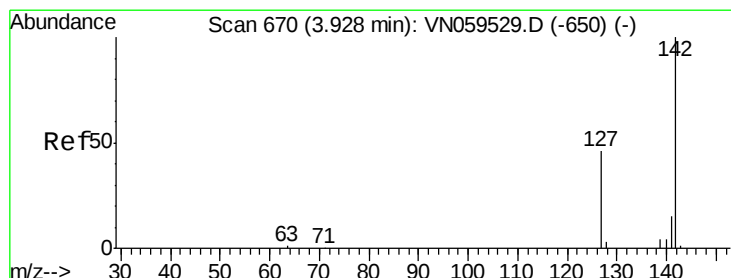
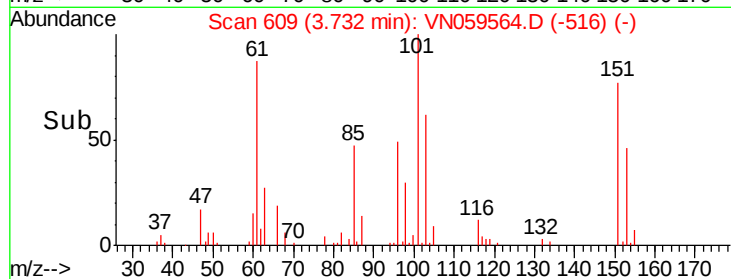
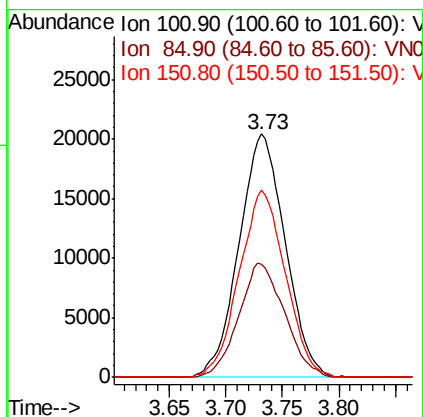
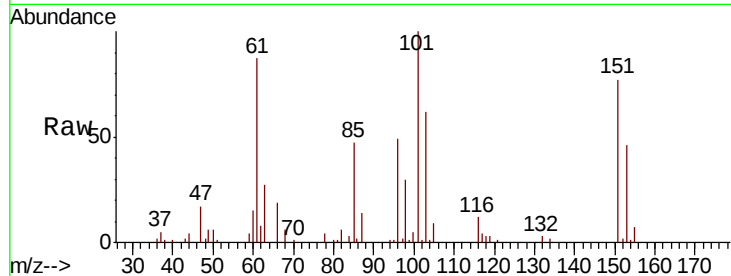




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.509 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

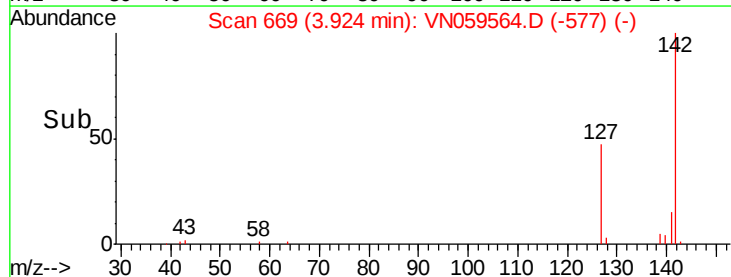
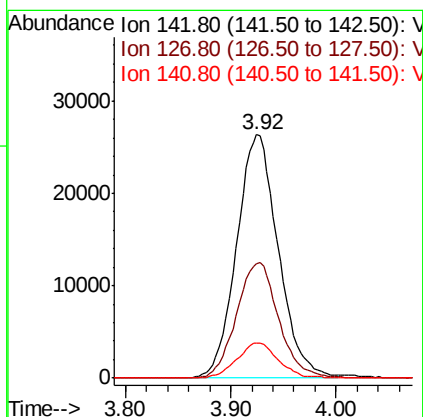
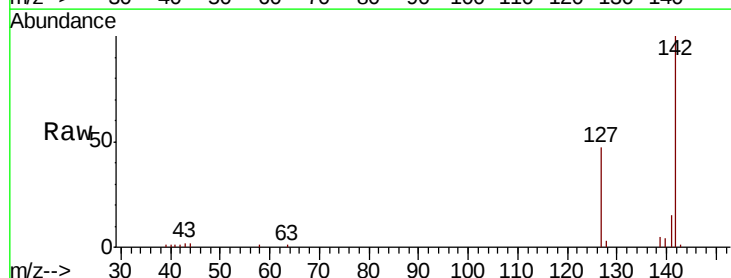
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

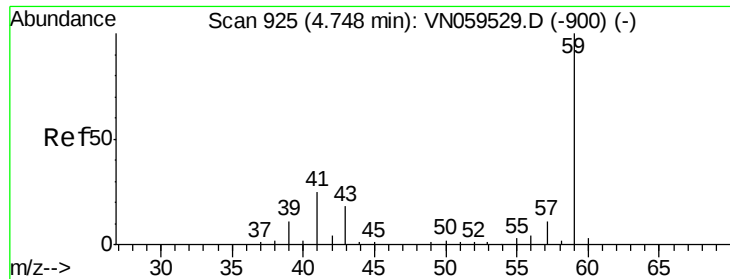
Tot Ion:101 Resp: 58012
 Ion Ratio Lower Upper
 101 100
 85 46.6 36.6 54.8
 151 76.7 59.3 88.9



#10
 Methyl Iodide
 Concen: 17.993 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion:142 Resp: 72449
 Ion Ratio Lower Upper
 142 100
 127 47.9 36.6 54.8
 141 14.0 11.6 17.4

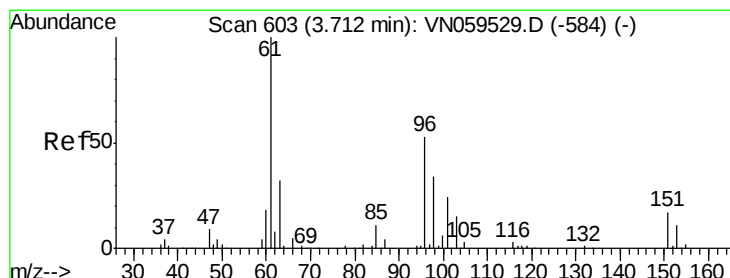
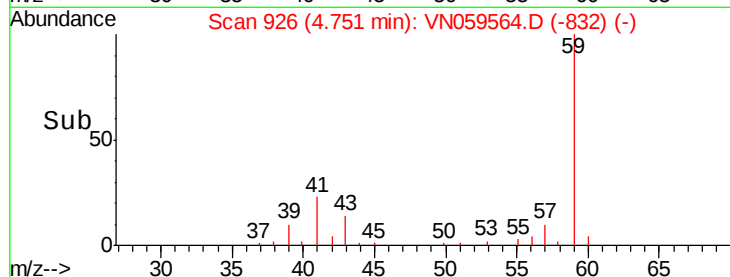
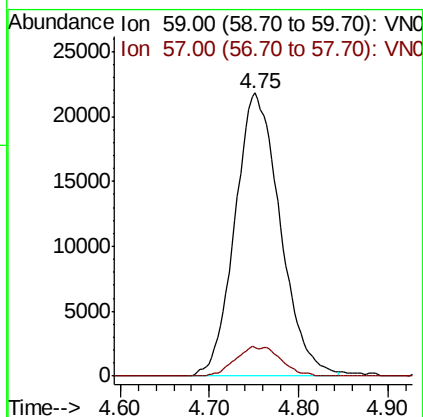
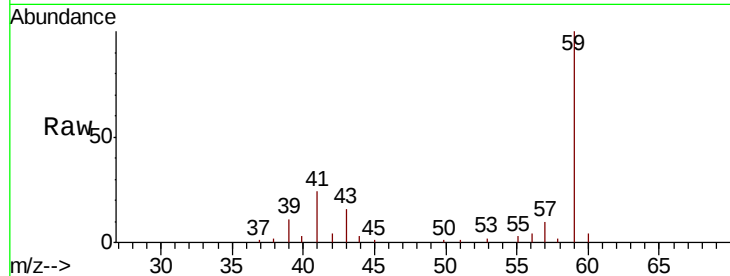




#11
Tert butyl alcohol
Concen: 119.874 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

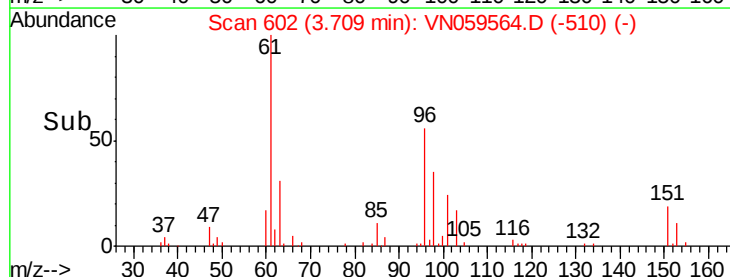
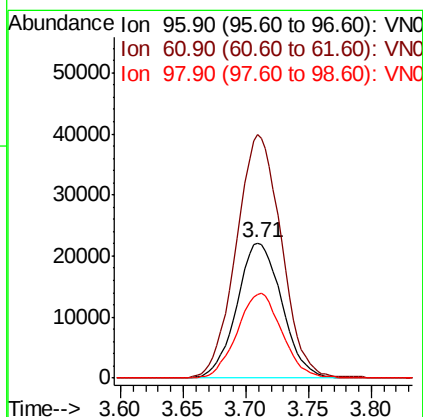
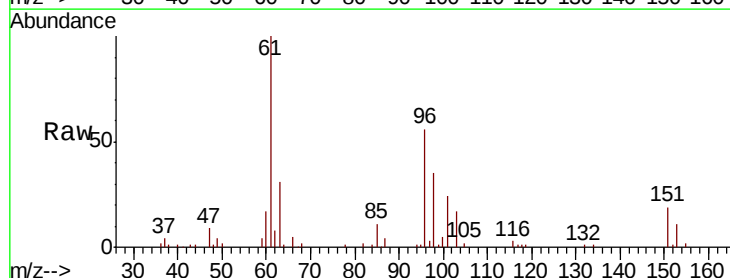
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

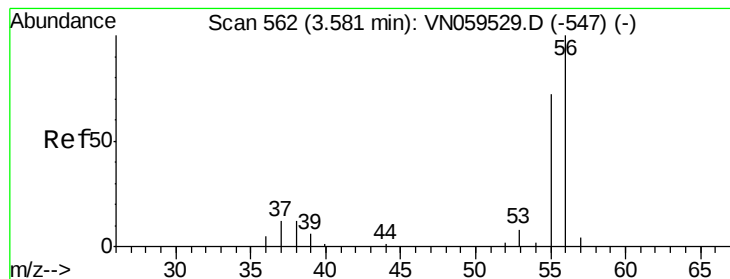
Tot Ion: 59 Resp: 76982
Ion Ratio Lower Upper
59 100
57 5.9 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 19.075 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 96 Resp: 55141
Ion Ratio Lower Upper
96 100
61 180.0 149.8 224.6
98 62.3 50.6 75.8





#13

Acrolein

Concen: 138.780 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

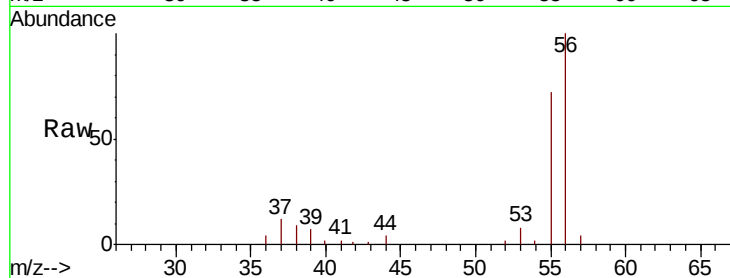
VN1211WBSD01

Tot Ion: 56 Resp: 43370

Ion Ratio Lower Upper

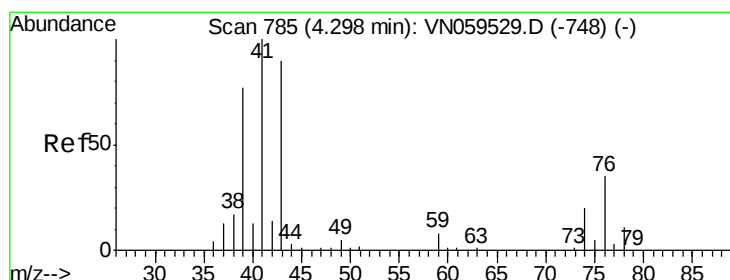
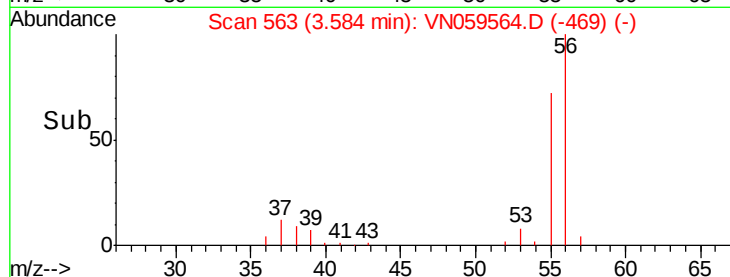
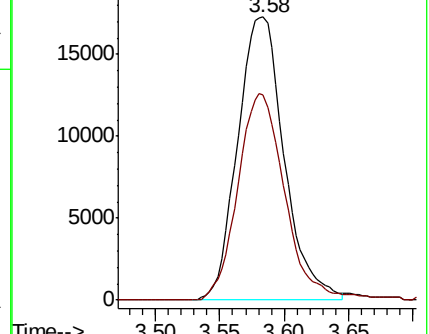
56 100

55 73.0 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.852 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

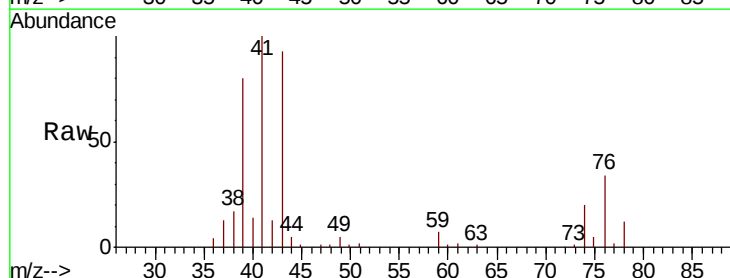
Tgt Ion: 41 Resp: 110393

Ion Ratio Lower Upper

41 100

39 72.5 56.7 85.1

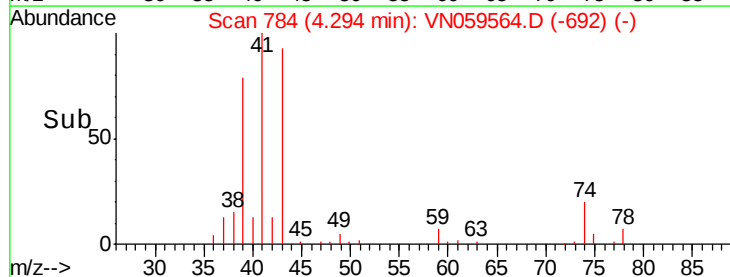
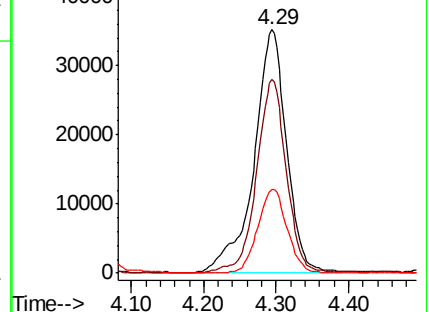
76 30.8 25.5 38.3

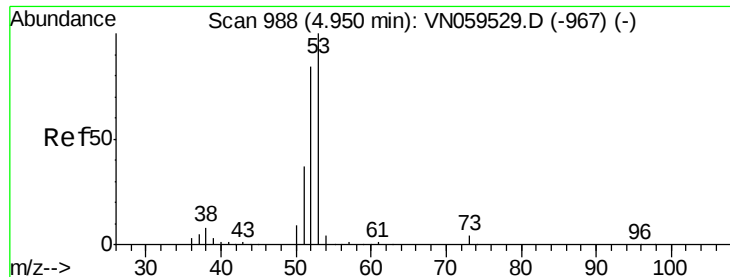


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.757 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

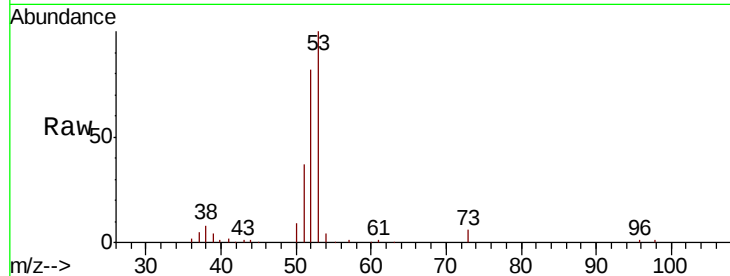
Tot Ion: 53 Resp: 174045

Ion Ratio Lower Upper

53 100

52 83.7 66.6 99.8

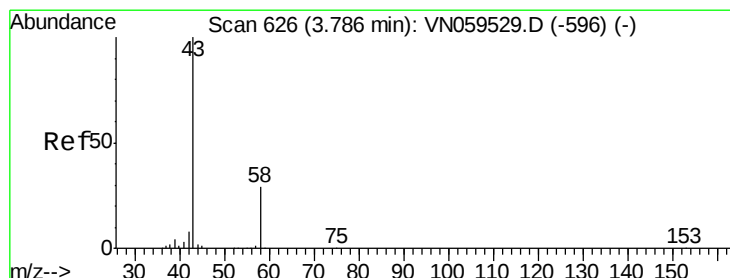
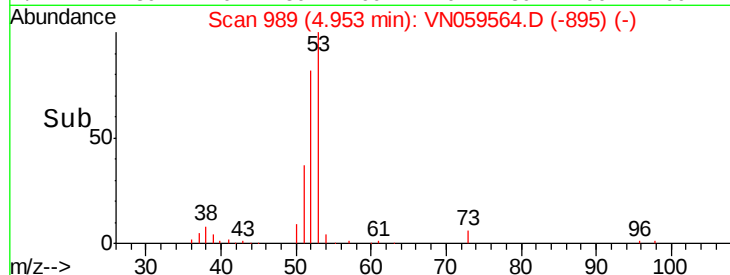
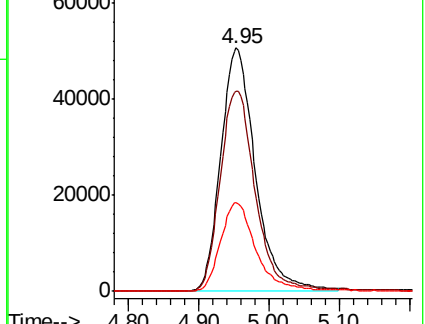
51 37.2 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN059529.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN059529.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN059529.D (-967) (-)



#16

Acetone

Concen: 124.524 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059564.D

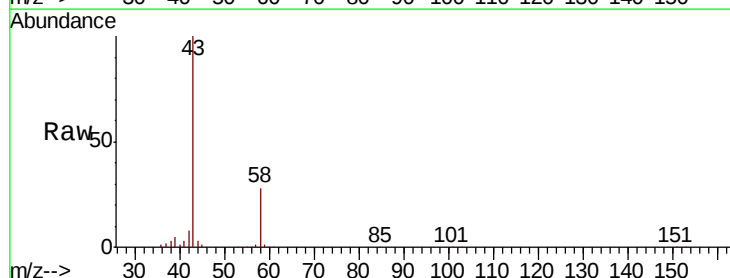
Acq: 11 Dec 2019 16:08

Tgt Ion: 43 Resp: 225806

Ion Ratio Lower Upper

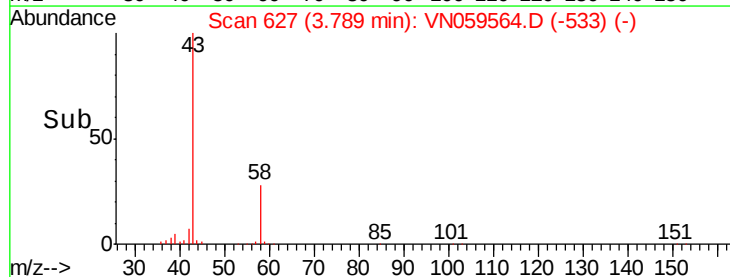
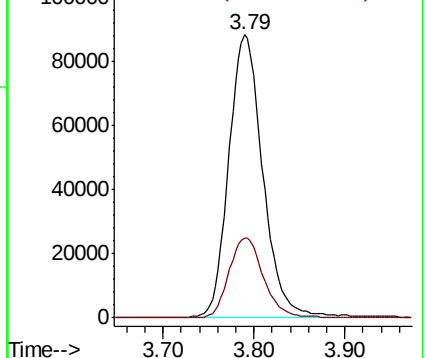
43 100

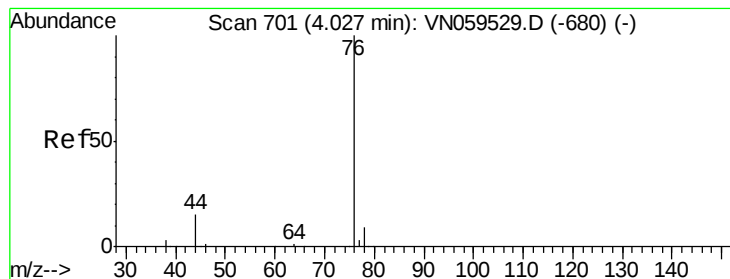
58 28.4 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-596) (-)

Ion 58.00 (57.70 to 58.70): VN059529.D (-596) (-)





#17

Carbon Disulfide

Concen: 18.624 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

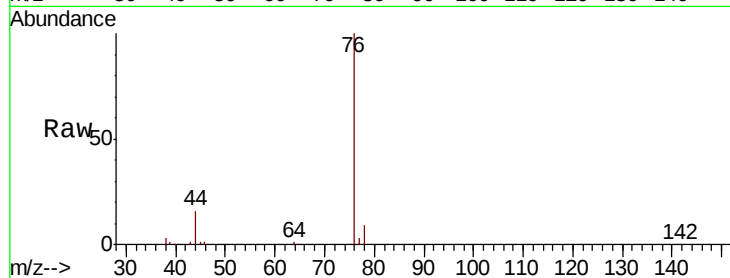
VN1211WBSD01

Tot Ion: 76 Resp: 173723

Ion Ratio Lower Upper

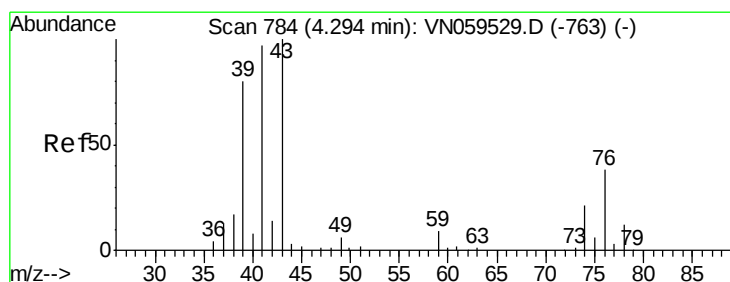
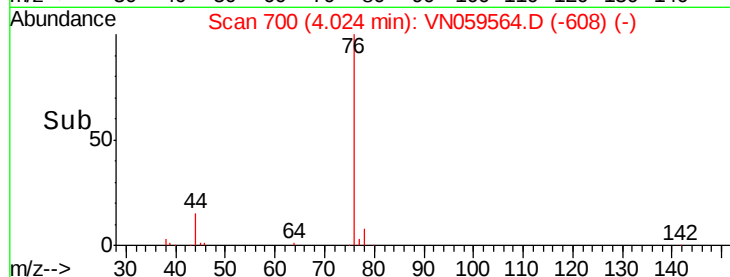
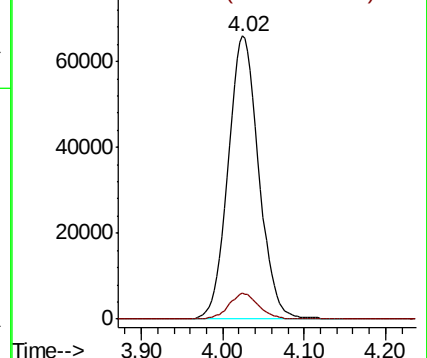
76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.620 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059564.D

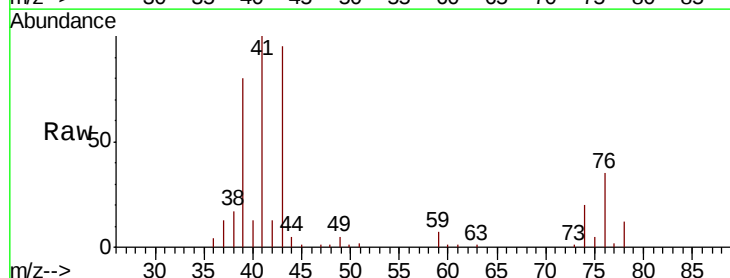
Acq: 11 Dec 2019 16:08

Tgt Ion: 43 Resp: 93409

Ion Ratio Lower Upper

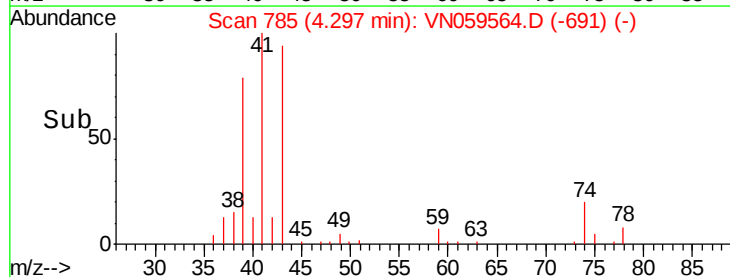
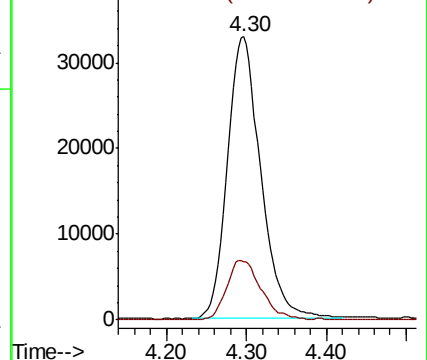
43 100

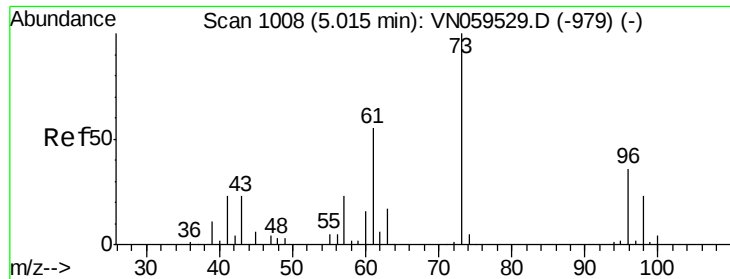
74 21.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

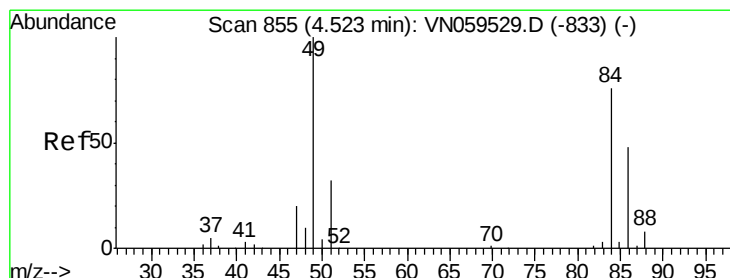
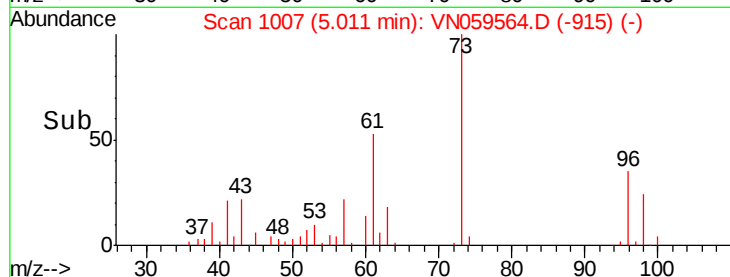
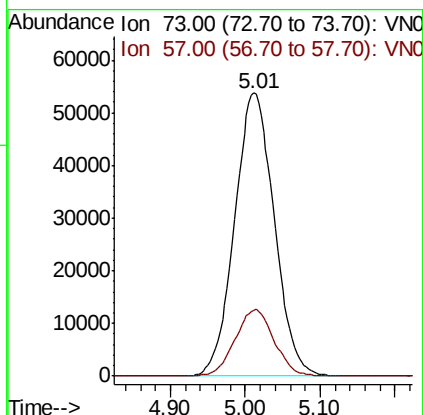
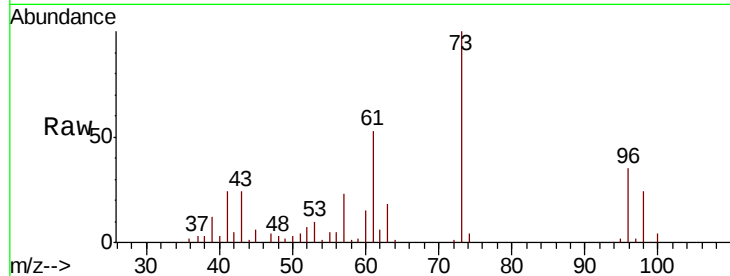




#19
Methyl tert-butyl Ether
Concen: 20.593 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

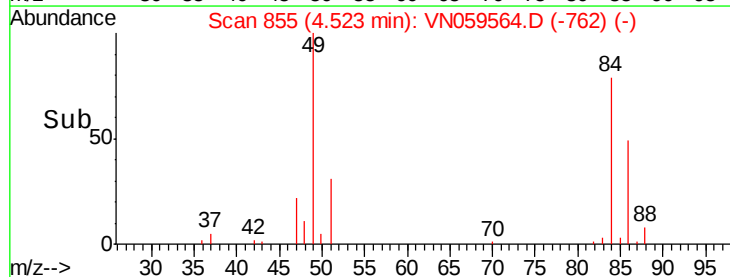
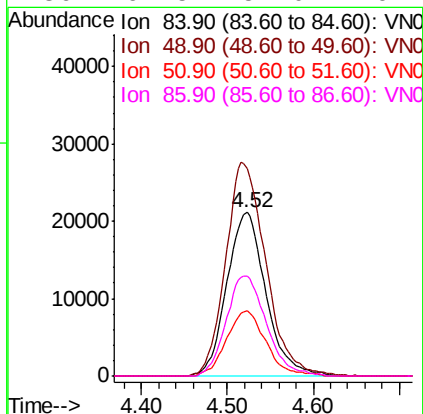
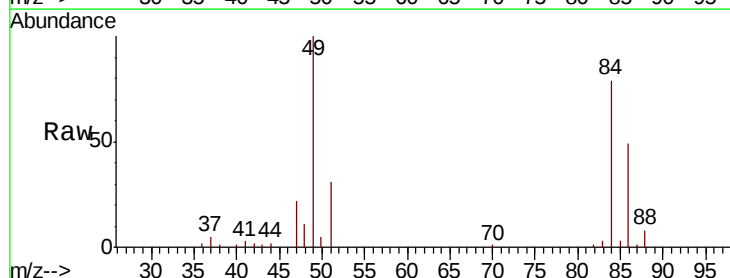
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

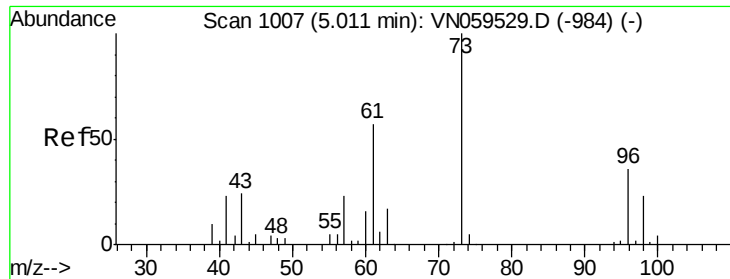
Tot Ion: 73 Resp: 197882
Ion Ratio Lower Upper
73 100
57 23.3 18.3 27.5



#20
Methylene Chloride
Concen: 20.232 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 84 Resp: 66647
Ion Ratio Lower Upper
84 100
49 126.7 105.8 158.8
51 39.7 33.7 50.5
86 61.5 51.0 76.4

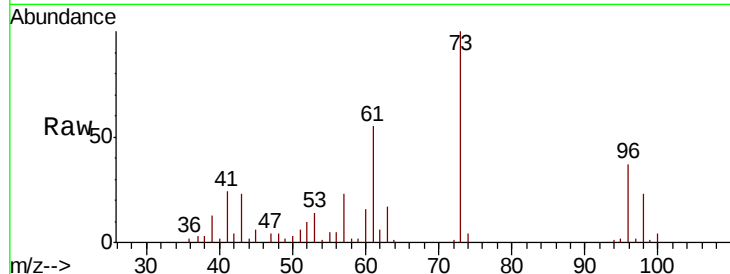




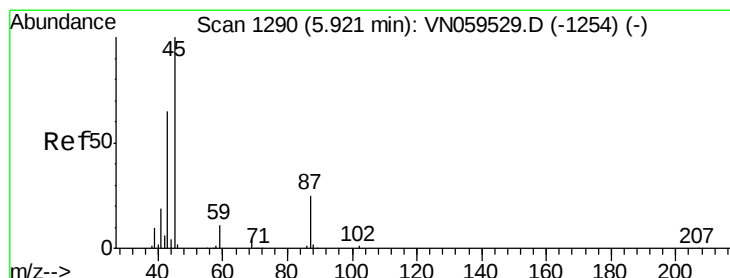
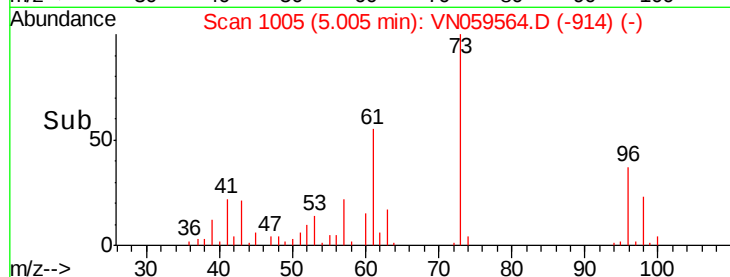
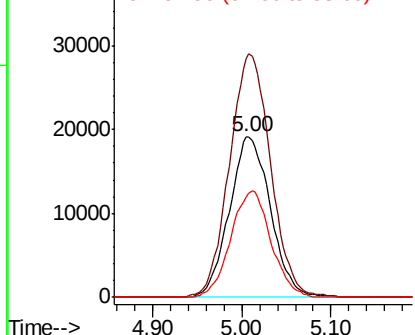
#21
trans-1,2-Dichloroethene
Concen: 19.748 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion: 96 Resp: 61272
Ion Ratio Lower Upper
96 100
61 148.4 124.8 187.2
98 62.5 51.0 76.4

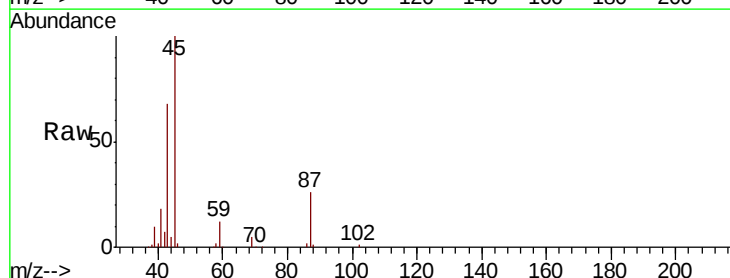


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

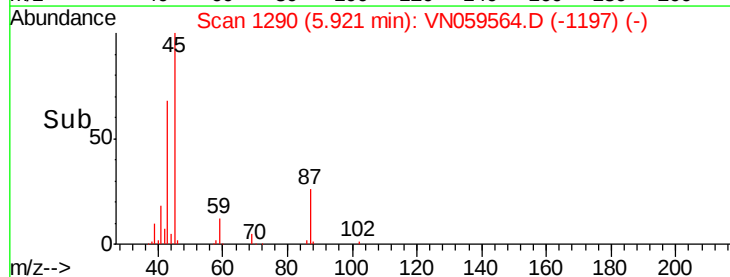
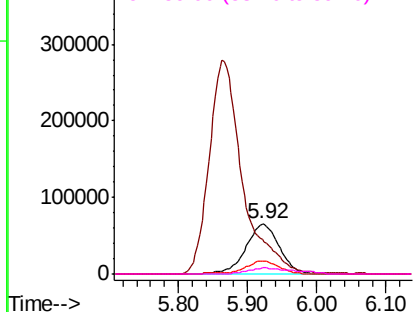


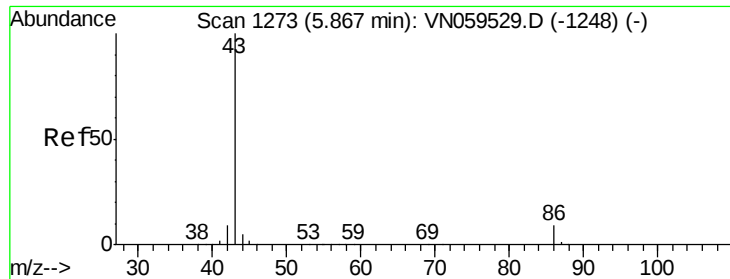
#22
Diisopropyl ether
Concen: 20.703 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 45 Resp: 219165
Ion Ratio Lower Upper
45 100
43 66.8 52.8 79.2
87 26.0 20.2 30.4
59 11.4 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.962 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

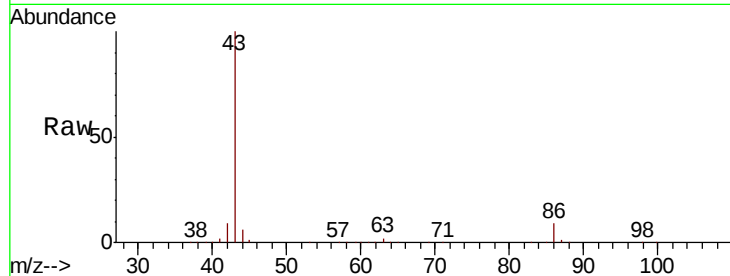
VN1211WBSD01

Tot Ion: 43 Resp: 935729

Ion Ratio Lower Upper

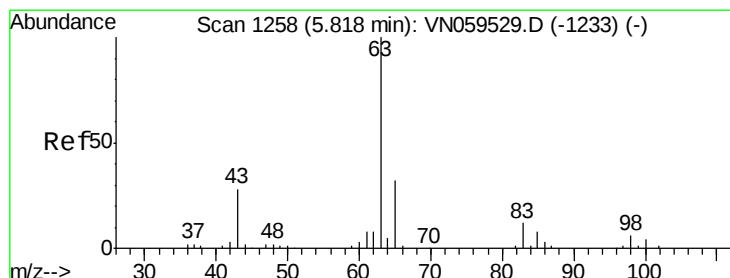
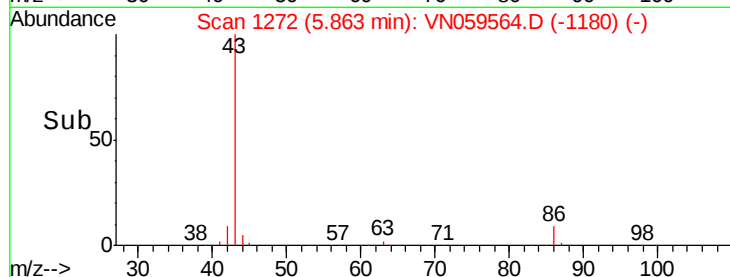
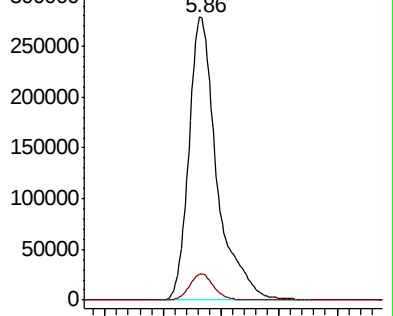
43 100

86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1248) (-)

Ion 86.00 (85.70 to 86.70): VN059529.D (-1248) (-)



#24

1,1-Dichloroethane

Concen: 20.603 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

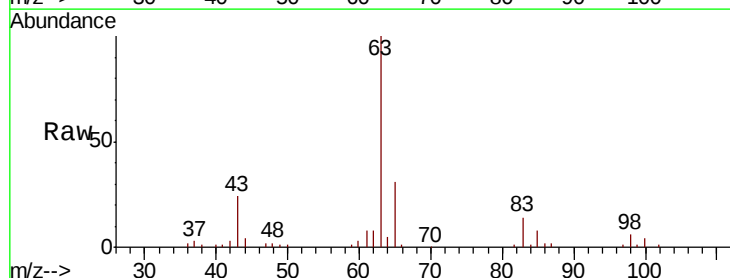
Tgt Ion: 63 Resp: 123834

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

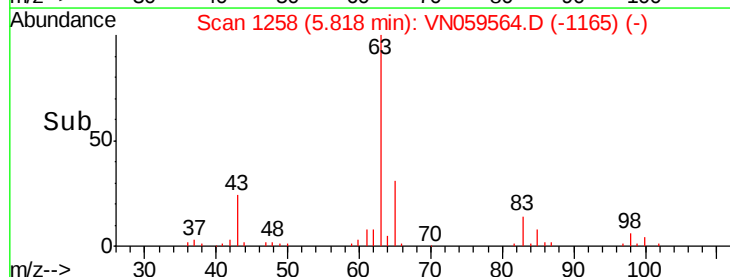
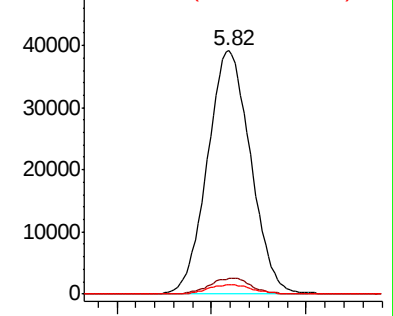
100 3.8 1.8 5.3

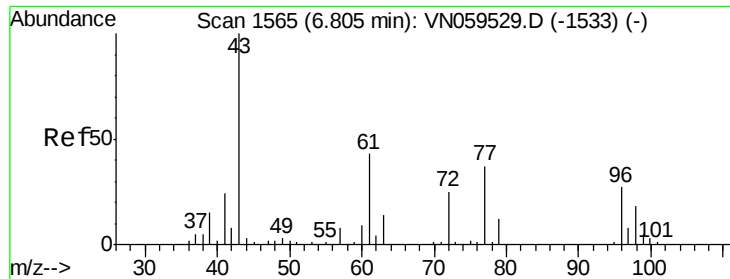


Abundance Ion 62.90 (62.60 to 63.60): VN059529.D (-1233) (-)

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: 113.379 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

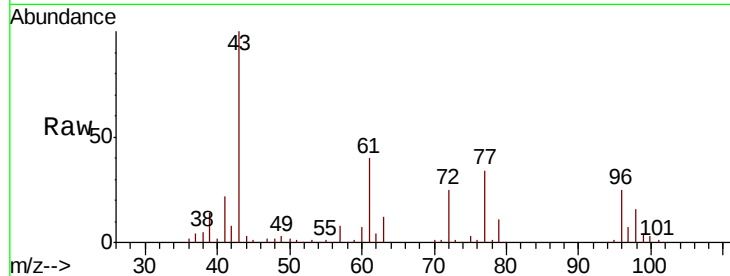
VN1211WBSD01

Tot Ion: 43 Resp: 276739

Ion Ratio Lower Upper

43 100

72 25.4 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

100000

80000

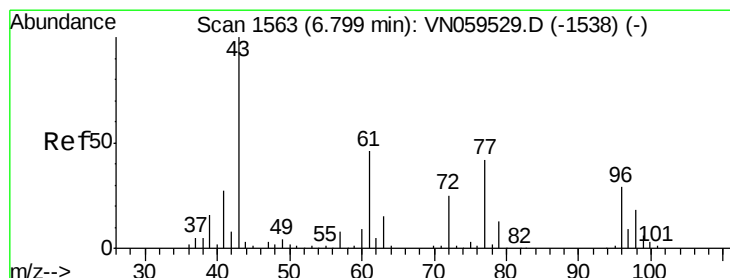
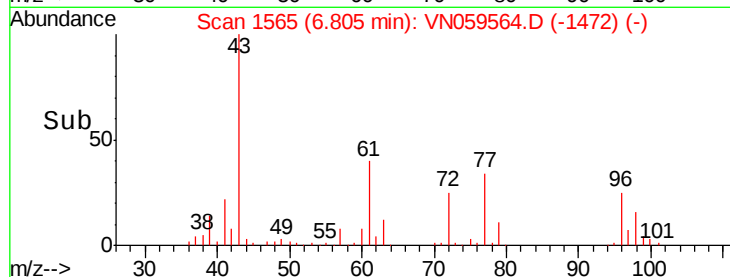
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.481 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059564.D

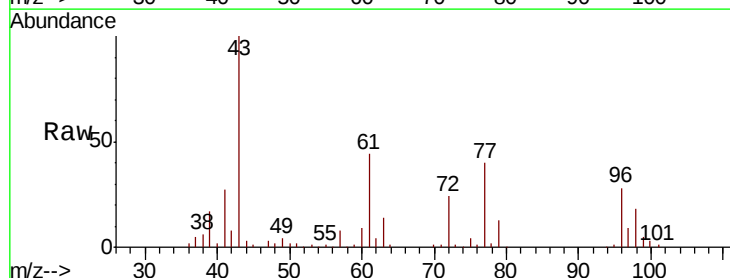
Acq: 11 Dec 2019 16:08

Tgt Ion: 77 Resp: 111211

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

40000

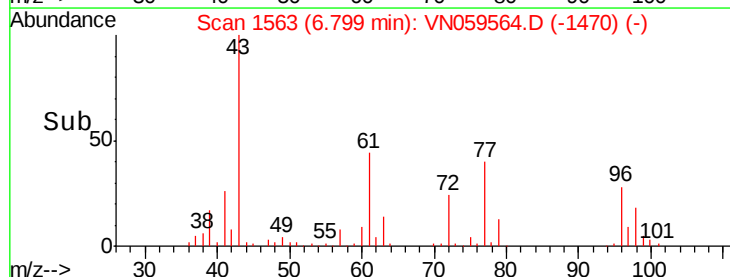
30000

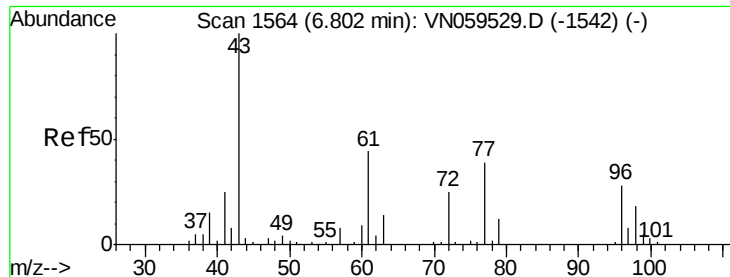
20000

10000

0

Time-->

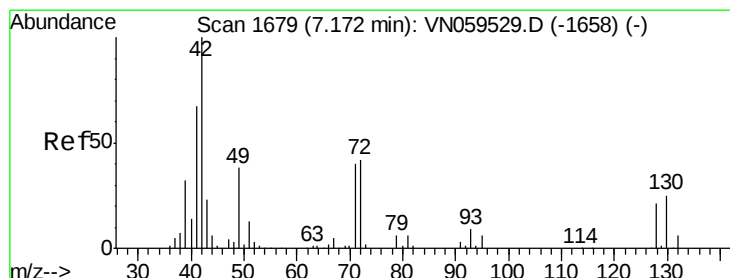
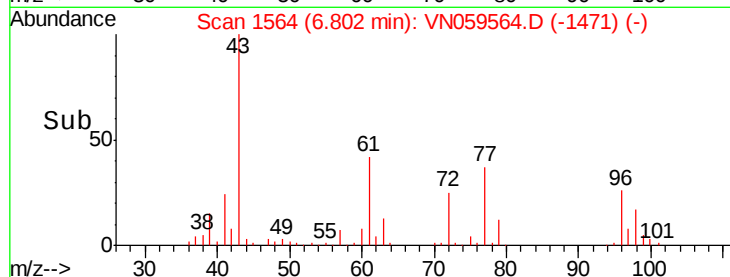
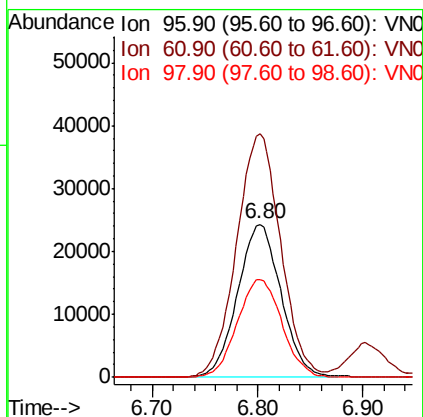
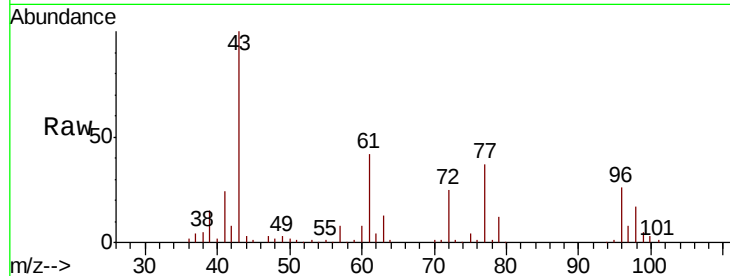




#27
 cis-1,2-Dichloroethene
 Concen: 19.942 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

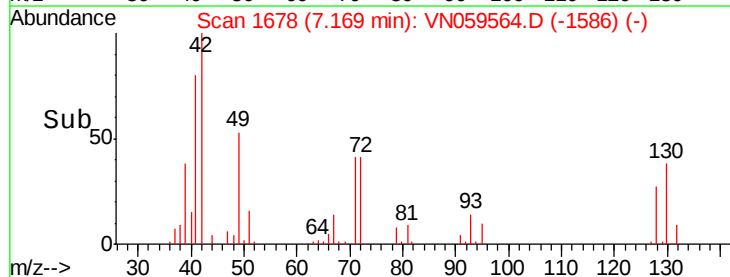
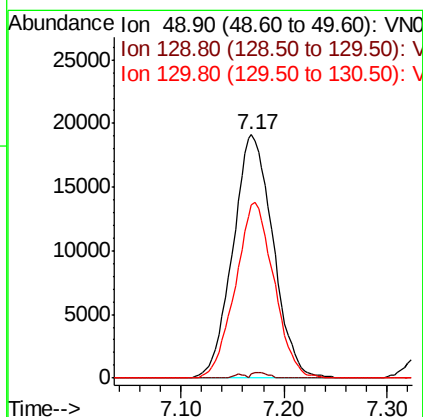
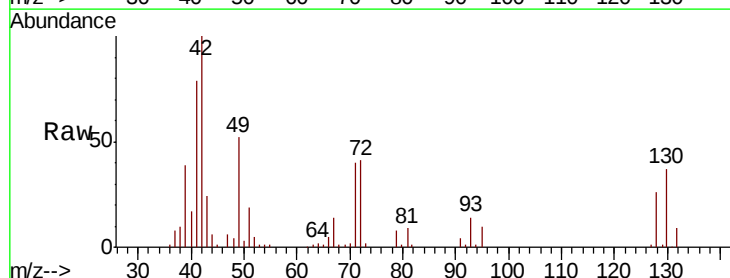
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

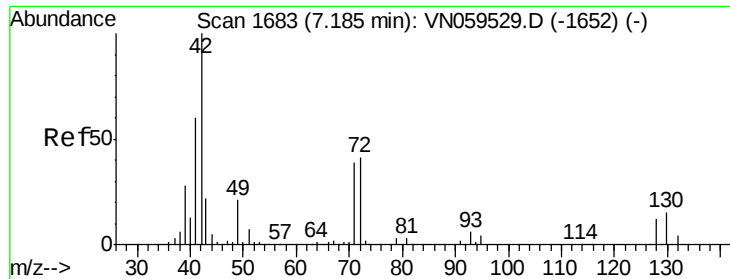
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	320.0
98	65.7	0.0	128.6



#28
 Bromochloromethane
 Concen: 24.255 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.0
130	69.3	54.2	81.2





#29

Tetrahydrofuran

Concen: 102.900 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

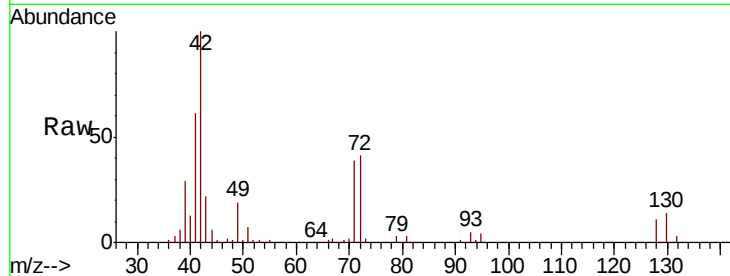
Tot Ion: 42 Resp: 174704

Ion Ratio Lower Upper

42 100

72 40.3 32.7 49.1

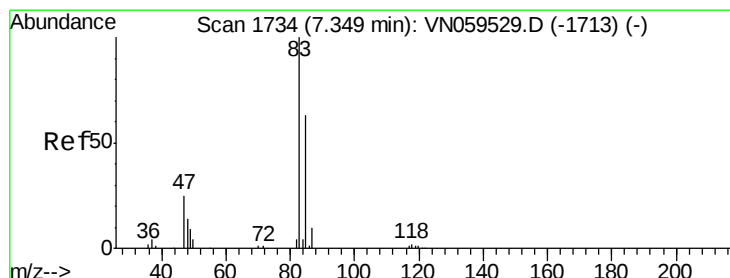
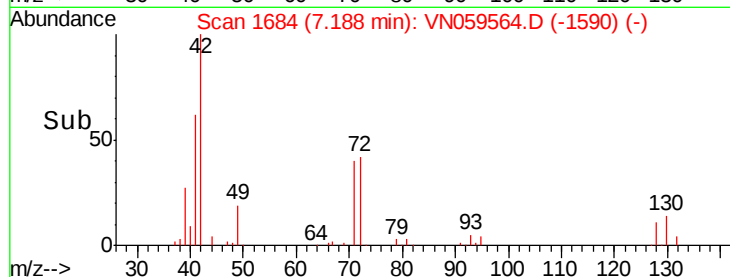
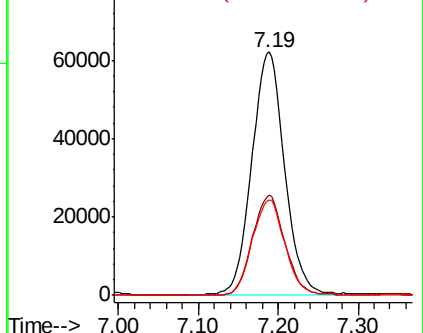
71 38.9 31.4 47.2



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: 20.318 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059564.D

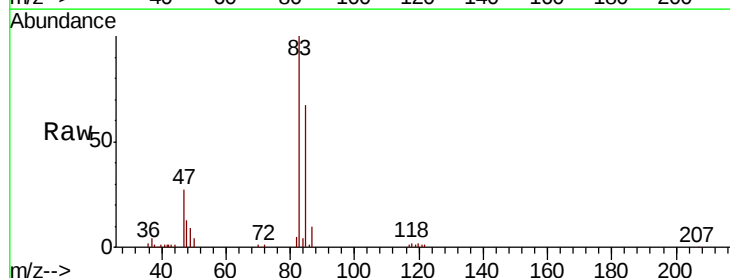
Acq: 11 Dec 2019 16:08

Tgt Ion: 83 Resp: 120526

Ion Ratio Lower Upper

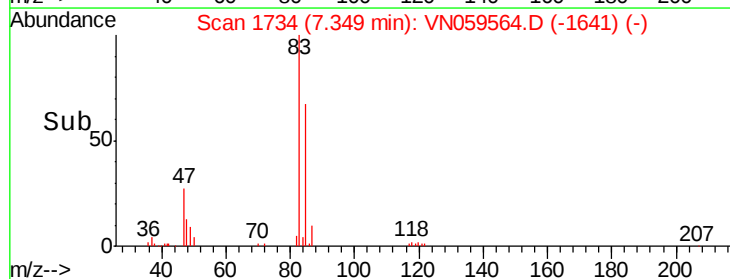
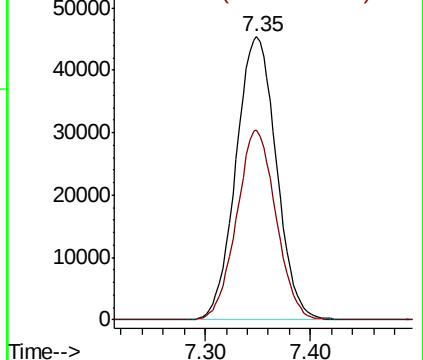
83 100

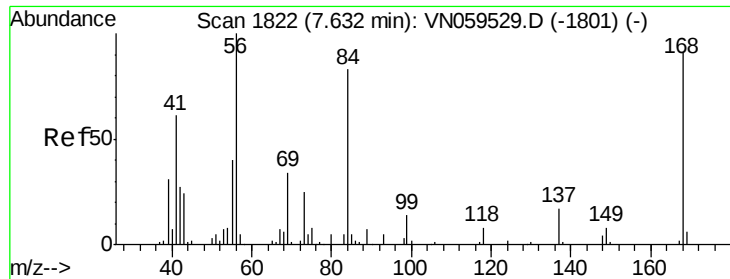
85 67.1 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

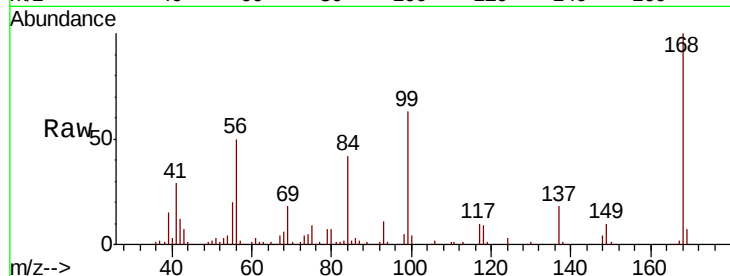




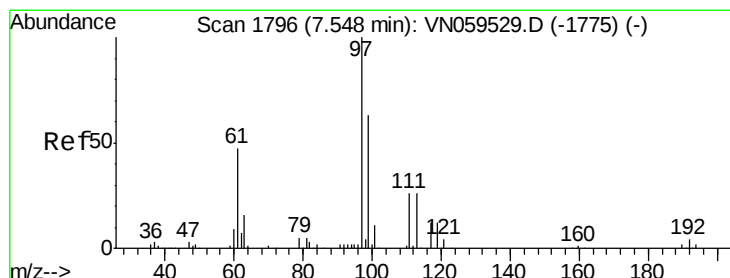
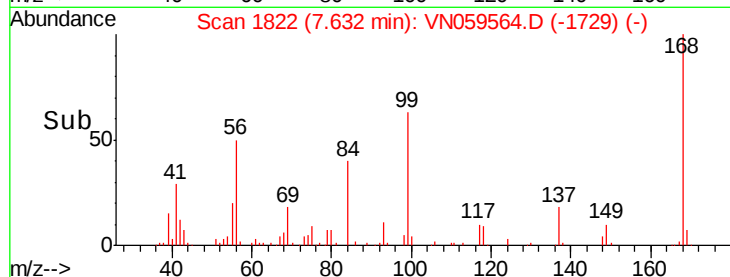
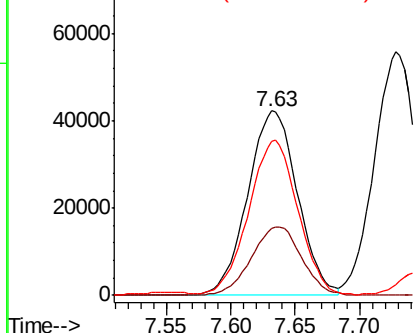
#31
Cyclohexane
Concen: 19.436 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Instrument :
MSVOA_N
ClientSampled :
VN1211WBSD01

Tot Ion: 56 Resp: 113688
Ion Ratio Lower Upper
56 100
69 36.2 26.9 40.3
84 82.4 66.5 99.7

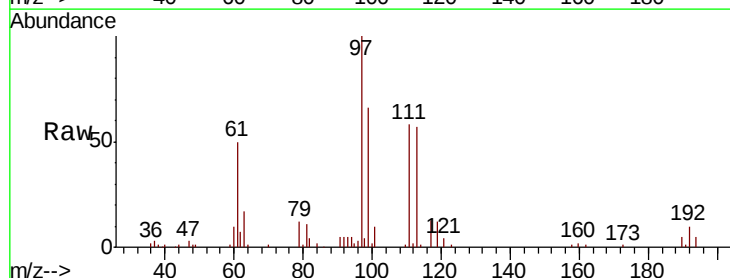


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

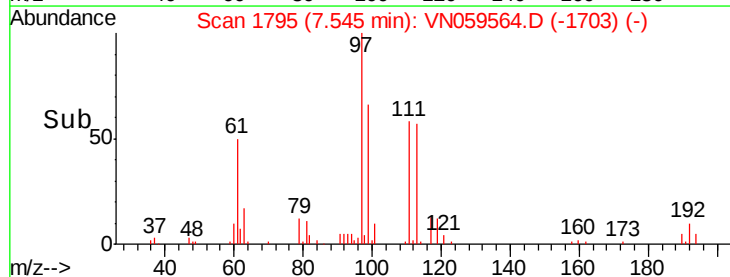
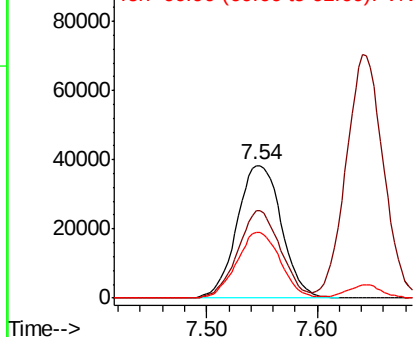


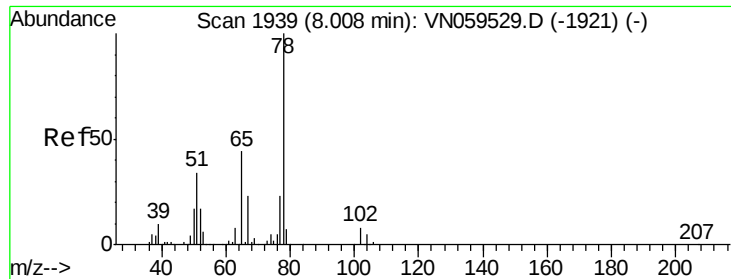
#32
1,1,1-Trichloroethane
Concen: 20.373 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 97 Resp: 107213
Ion Ratio Lower Upper
97 100
99 63.2 51.4 77.2
61 48.5 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

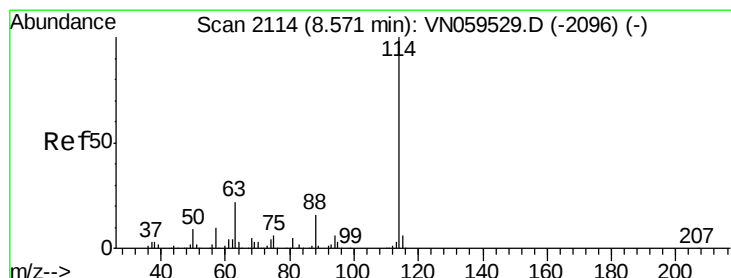
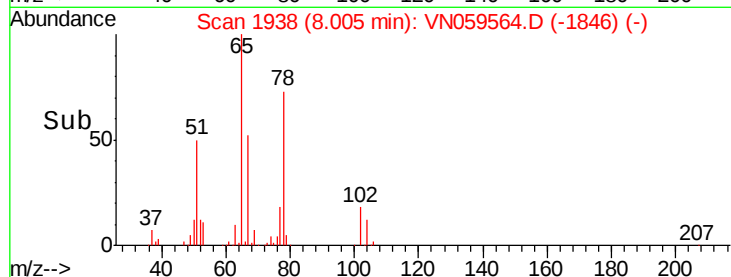
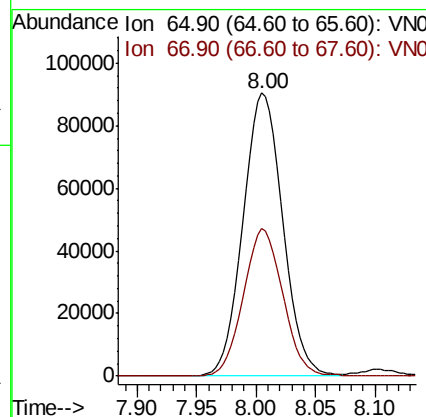
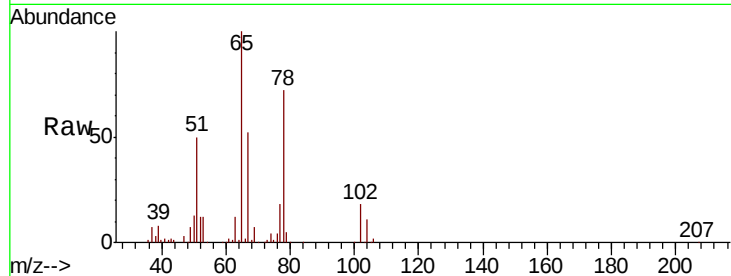




#33
 1,2-Dichloroethane-d4
 Concen: 53.951 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

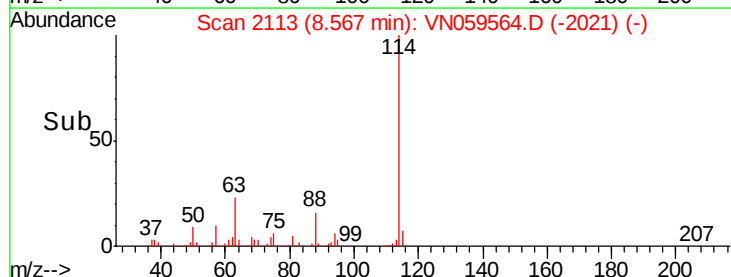
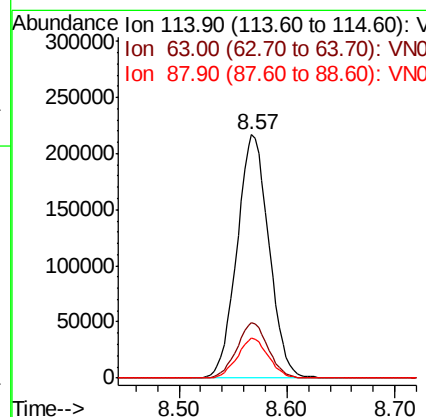
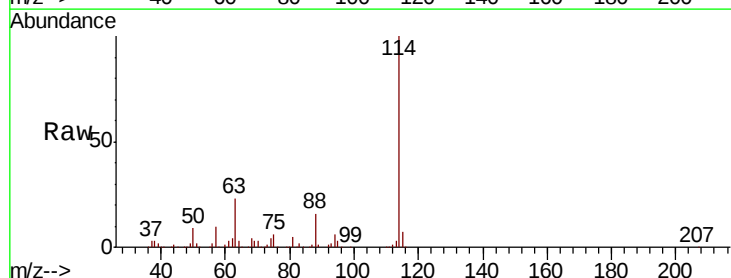
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

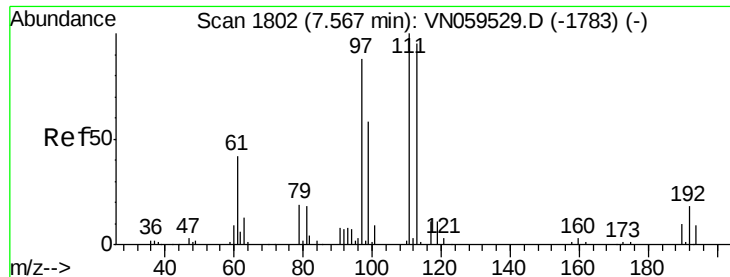
Tot Ion: 65 Resp: 209426
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion: 114 Resp: 447703
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 16.4 0.0 32.2

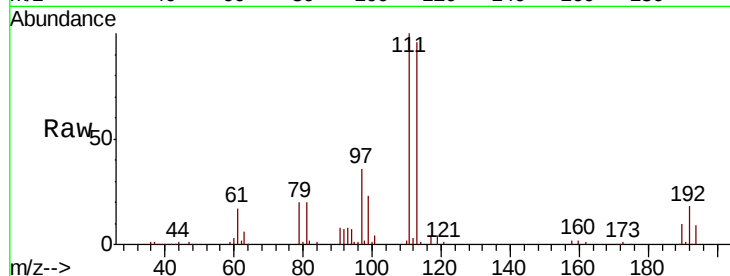




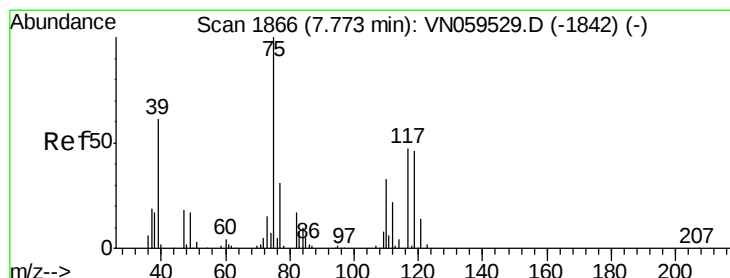
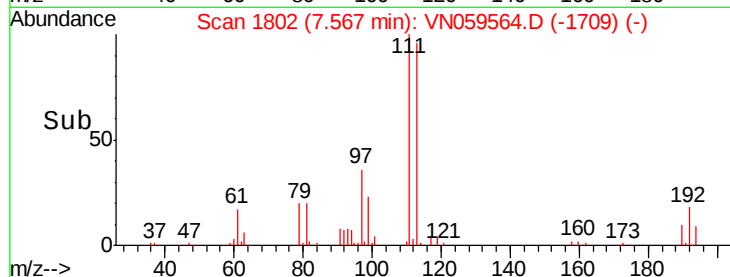
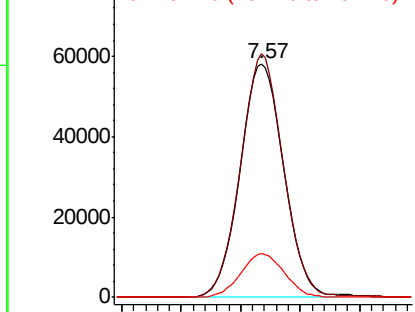
#35
Dibromofluoromethane
Concen: 55.406 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion:113 Resp: 148026
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.4
192 18.6 14.8 22.2

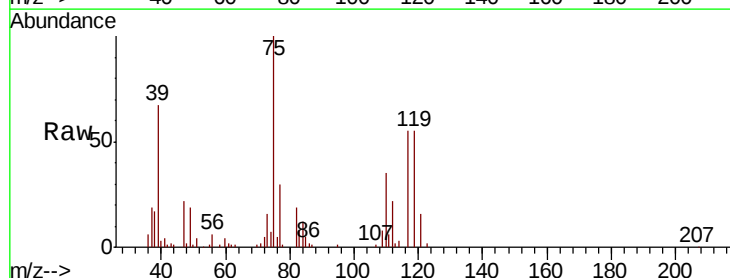


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

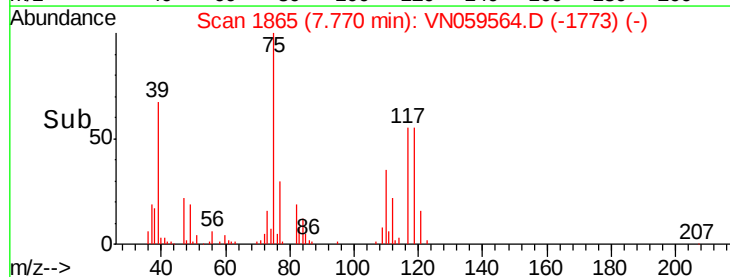
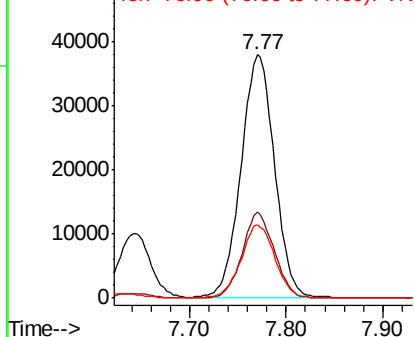


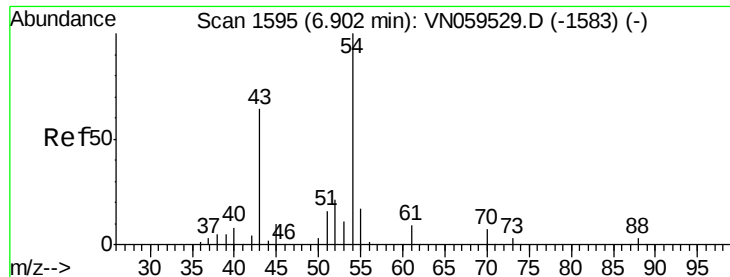
#36
1,1-Dichloropropene
Concen: 20.003 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 75 Resp: 91877
Ion Ratio Lower Upper
75 100
110 33.3 16.7 50.0
77 30.2 24.6 37.0



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

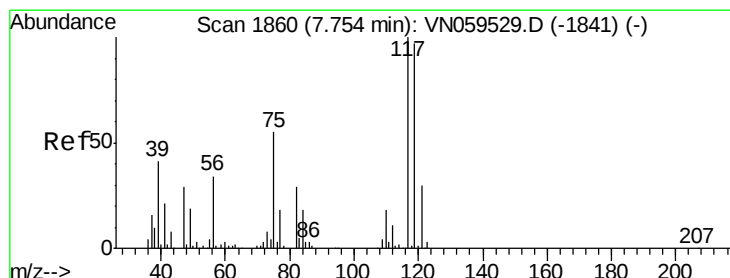
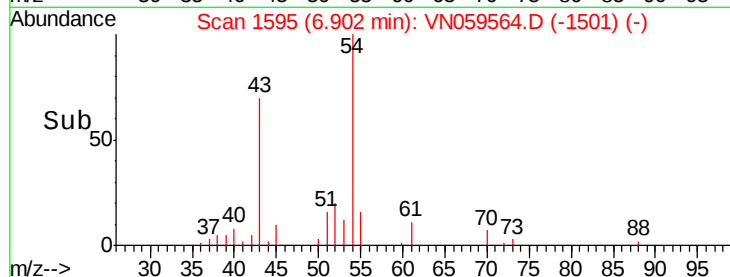
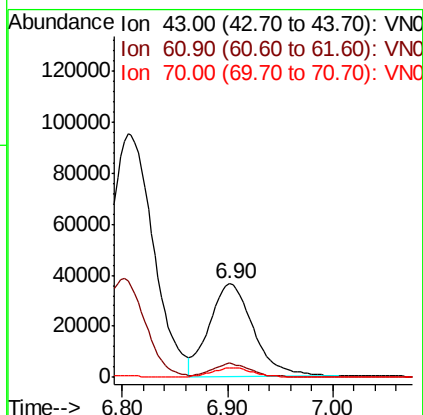
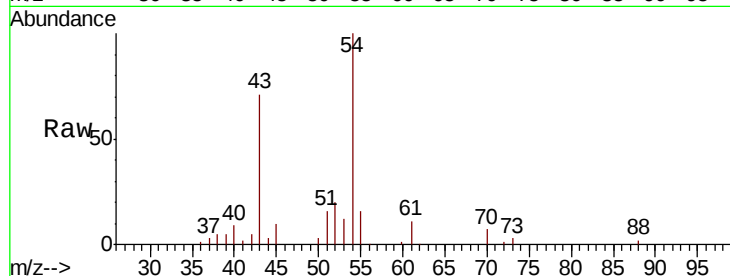




#37
Ethyl Acetate
Concen: 20.678 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

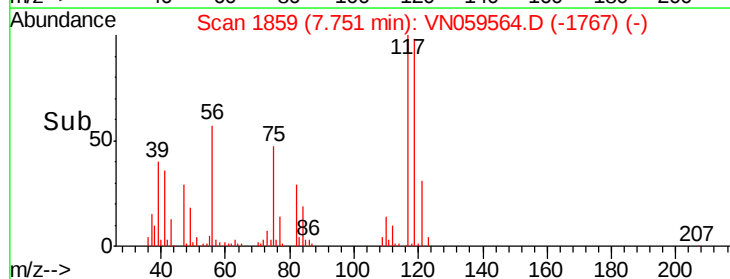
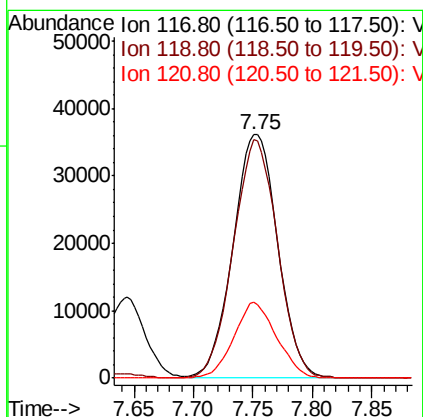
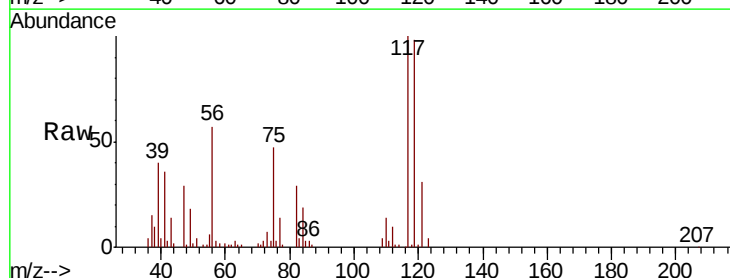
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

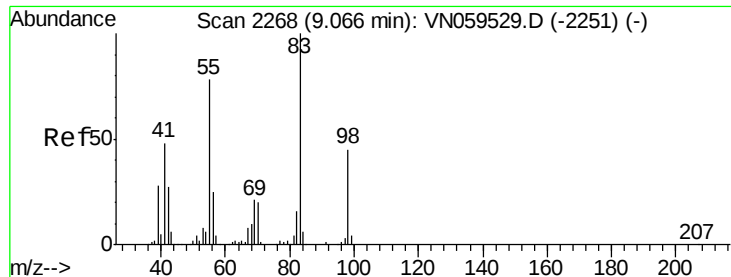
Tot Ion: 43 Resp: 105776
Ion Ratio Lower Upper
43 100
61 13.2 11.0 16.6
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 20.798 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 117 Resp: 94161
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.4
121 31.3 24.1 36.1

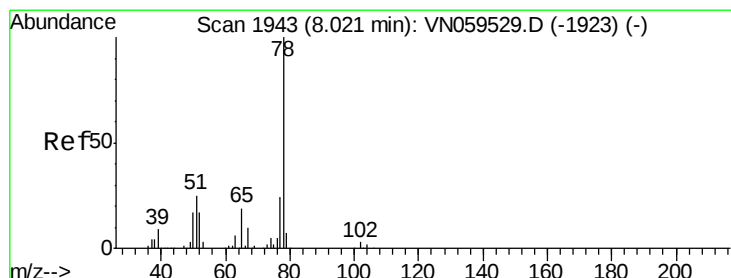
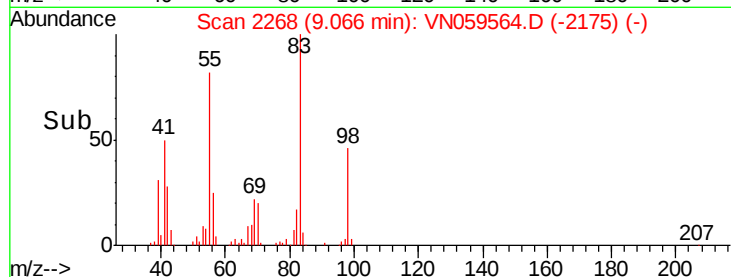
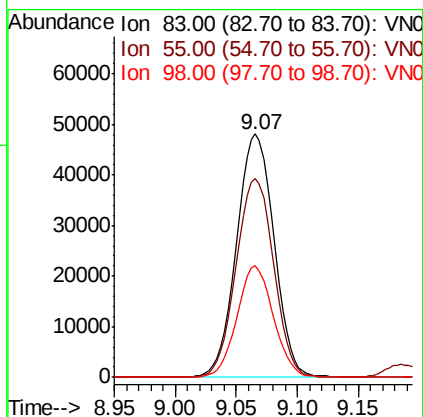
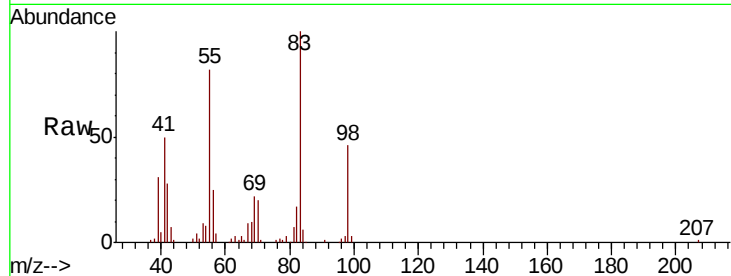




#39
Methvlcvclohexane
Concen: 19.852 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

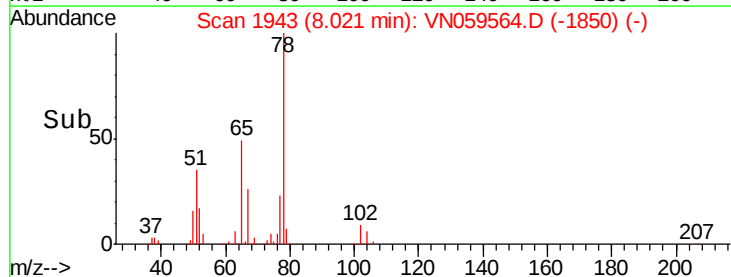
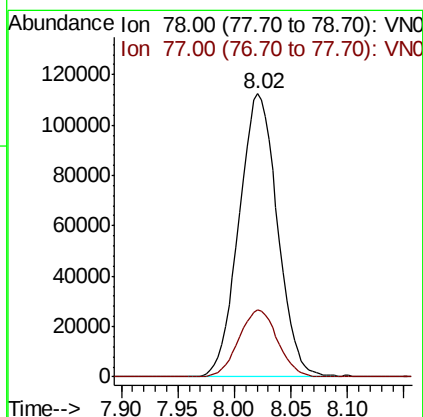
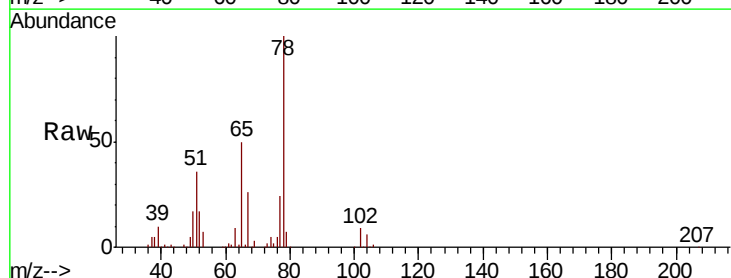
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

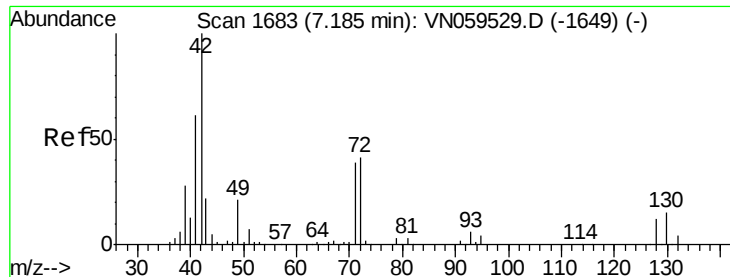
Tot Ion: 83 Resp: 102285
Ion Ratio Lower Upper
83 100
55 81.5 62.7 94.1
98 45.6 35.7 53.5



#40
Benzene
Concen: 20.286 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 78 Resp: 266189
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

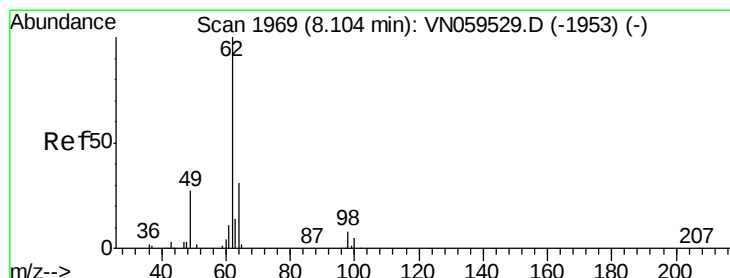
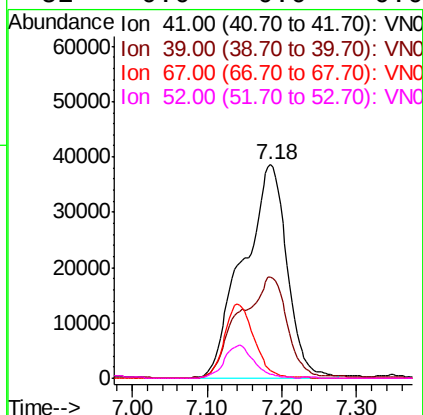
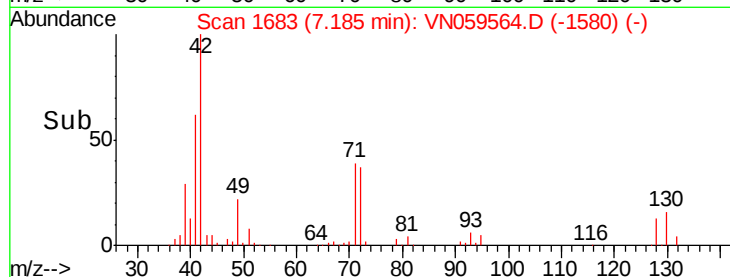
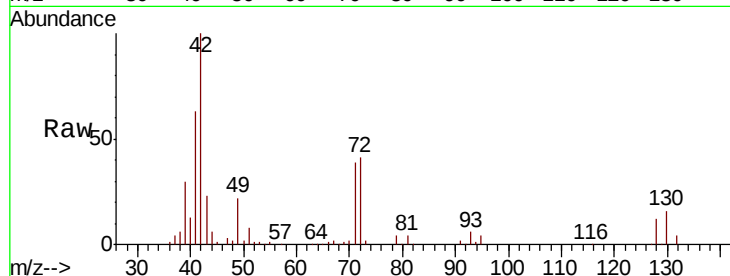




#41
Methacrylonitrile
Concen: 70.621 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

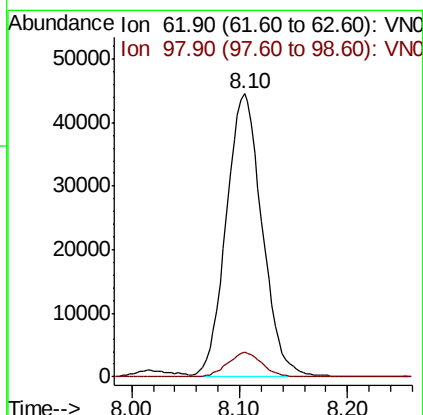
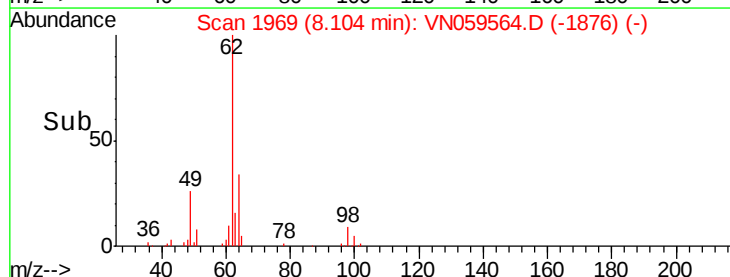
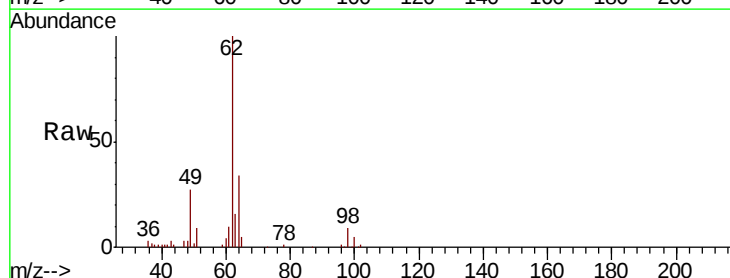
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

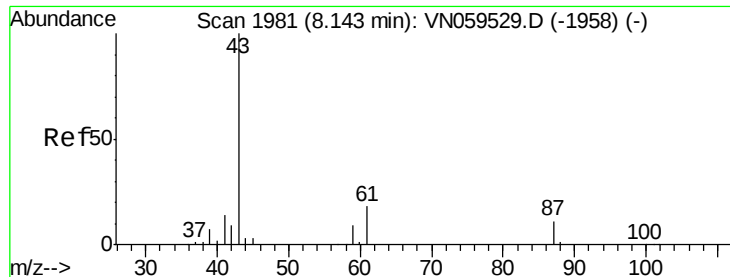
Tot Ion: 41 Resp: 157641
Ion Ratio Lower Upper
41 100
39 51.4 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 21.164 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 62 Resp: 103468
Ion Ratio Lower Upper
62 100
98 8.2 0.0 15.4



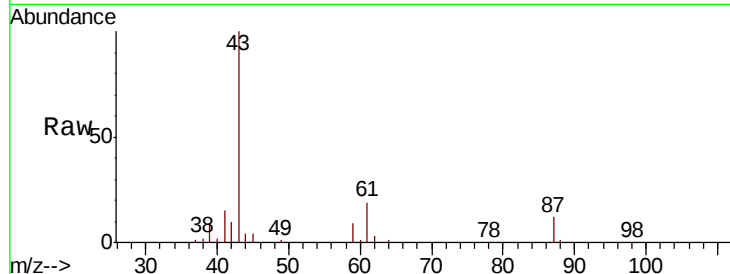


#43

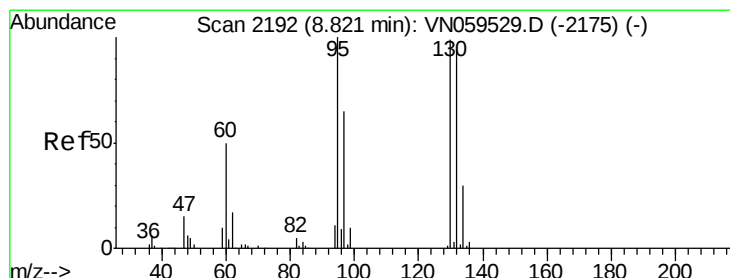
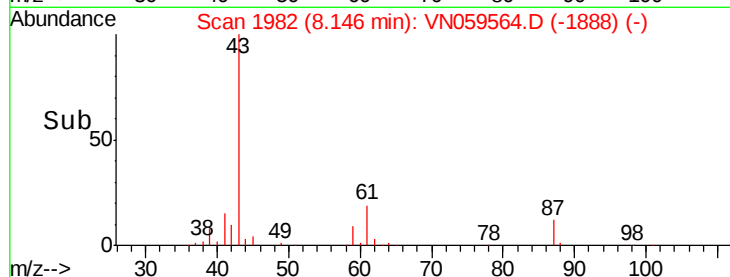
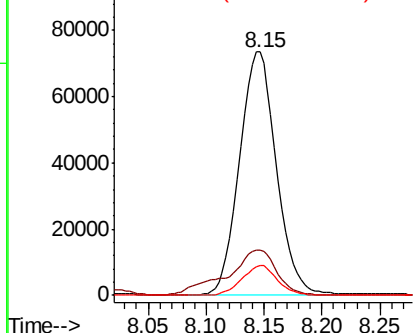
Isopropyl Acetate
 Concen: 20.530 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

Tot Ion: 43 Resp: 162783
 Ion Ratio Lower Upper
 43 100
 61 25.1 19.8 29.6
 87 11.8 9.4 14.2



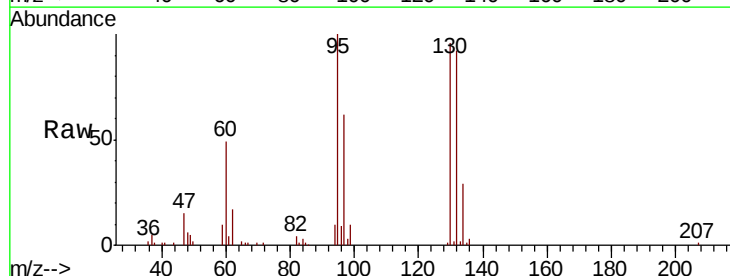
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



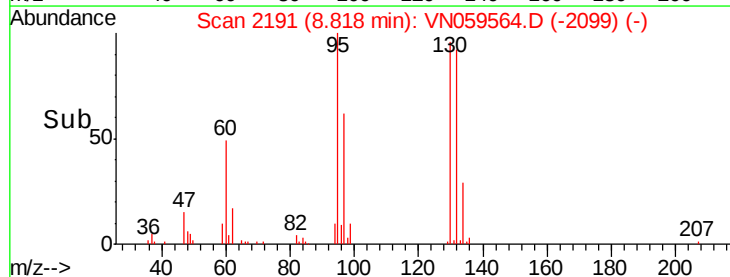
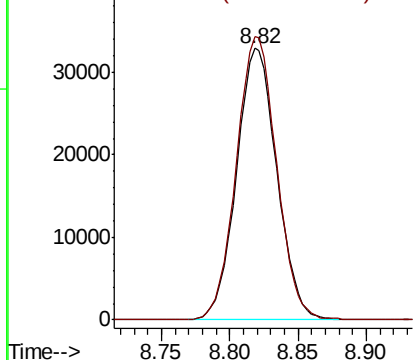
#44

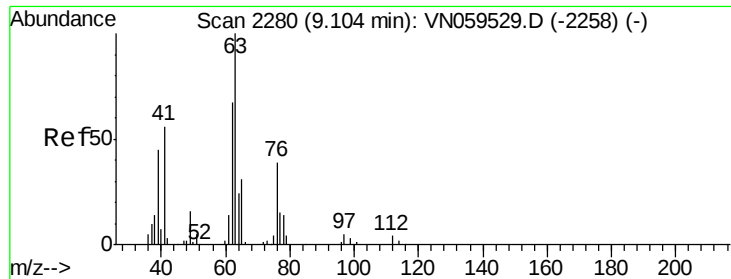
Trichloroethene
 Concen: 20.375 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion:130 Resp: 67542
 Ion Ratio Lower Upper
 130 100
 95 104.3 0.0 202.0



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

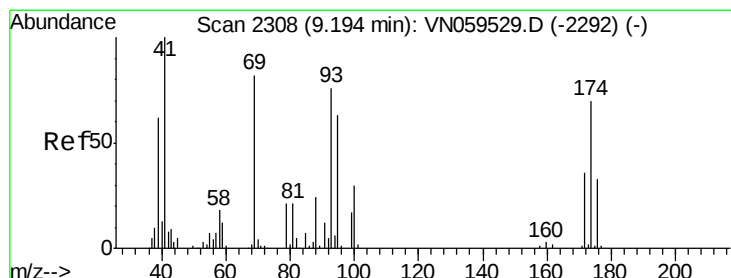
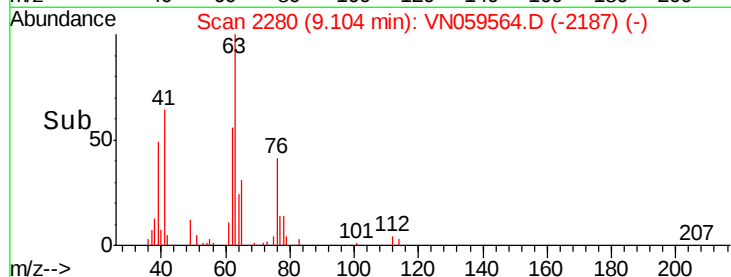
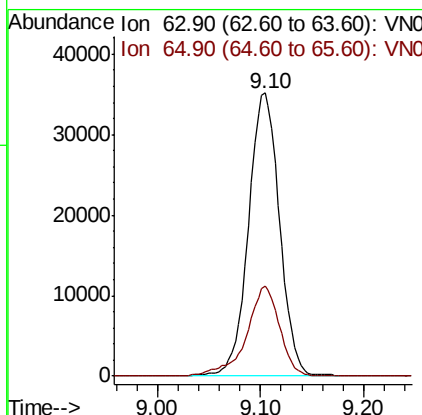
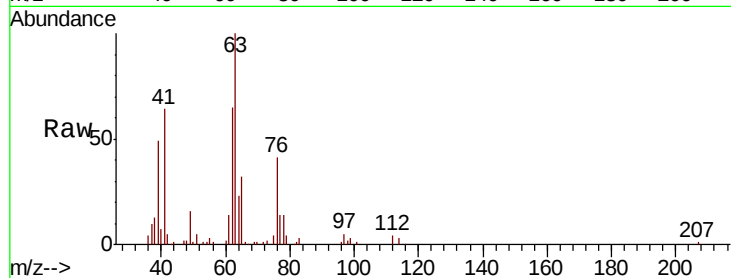




#45
 1,2-Dichloropropane
 Concen: 21.128 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

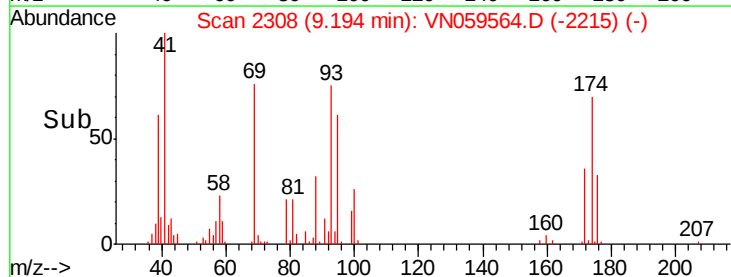
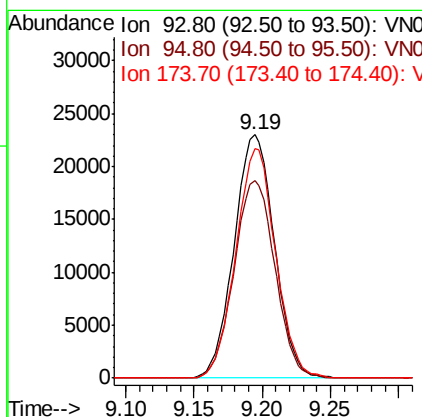
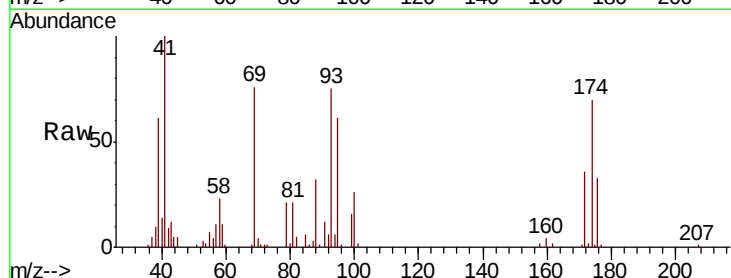
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

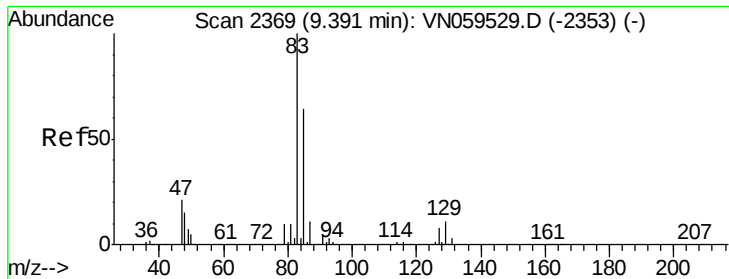
Tot Ion: 63 Resp: 73441
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 20.589 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion: 93 Resp: 47298
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.0 100.6
 174 92.9 75.6 113.4

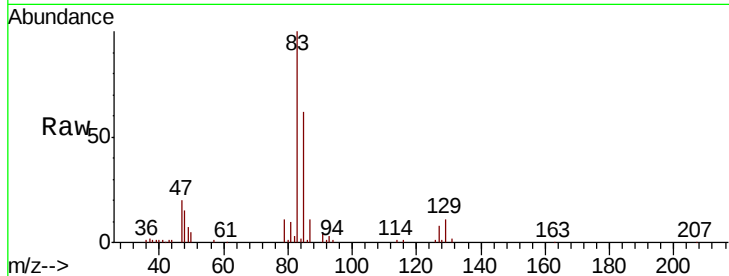




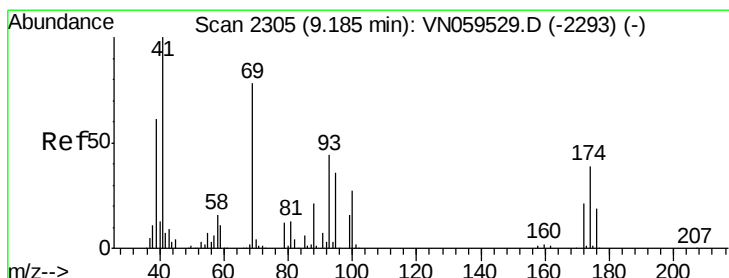
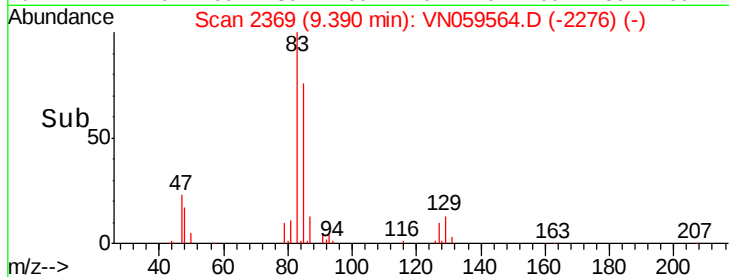
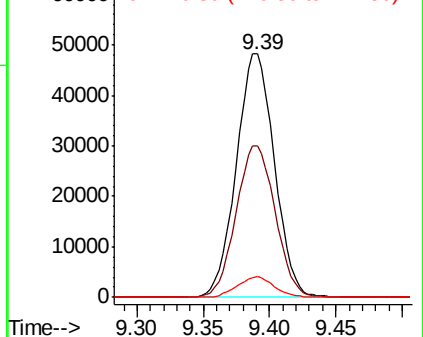
#47
Bromodichloromethane
Concen: 21.039 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion: 83 Resp: 96056
Ion Ratio Lower Upper
83 100
85 62.2 51.4 77.0
127 8.4 6.7 10.1

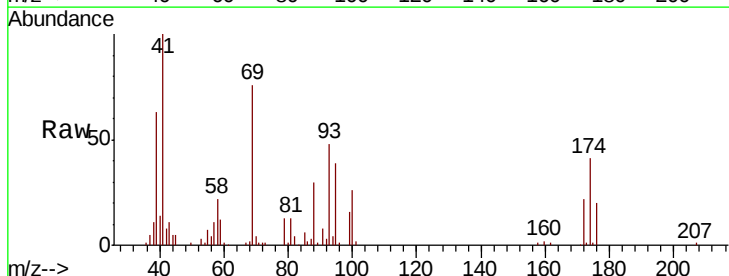


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

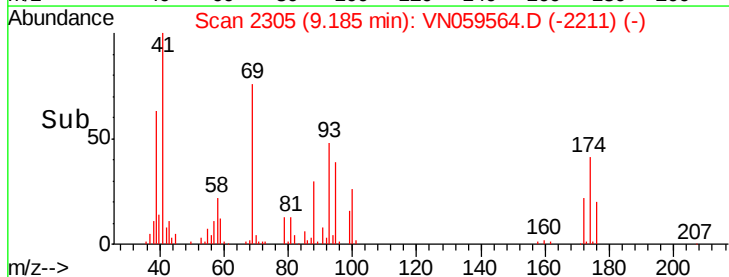
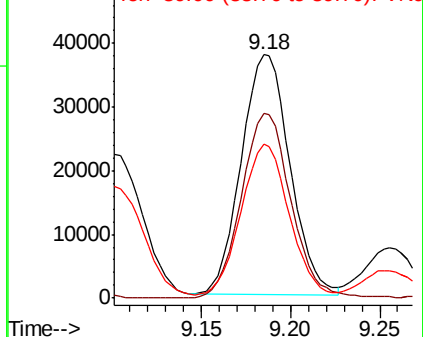


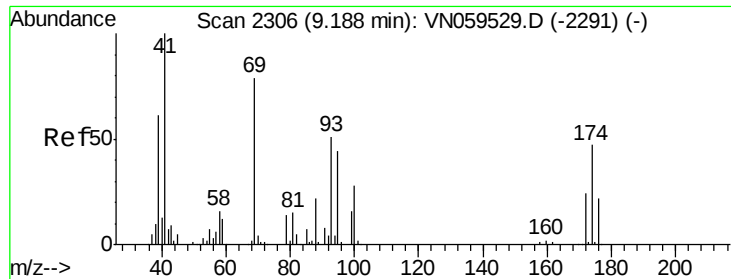
#48
Methyl methacrylate
Concen: 20.753 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 41 Resp: 71947
Ion Ratio Lower Upper
41 100
69 78.4 64.0 96.0
39 64.3 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

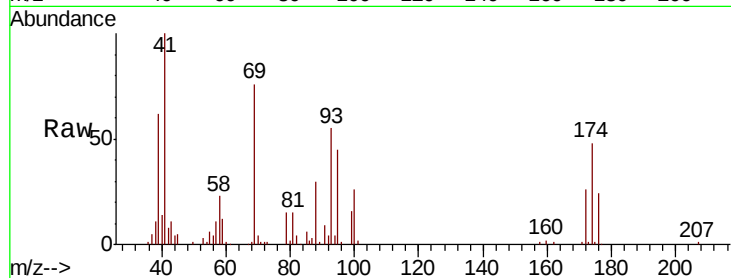




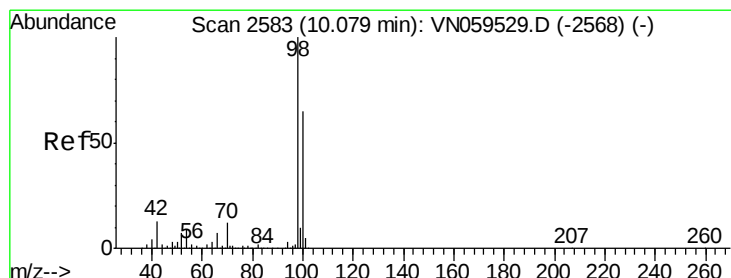
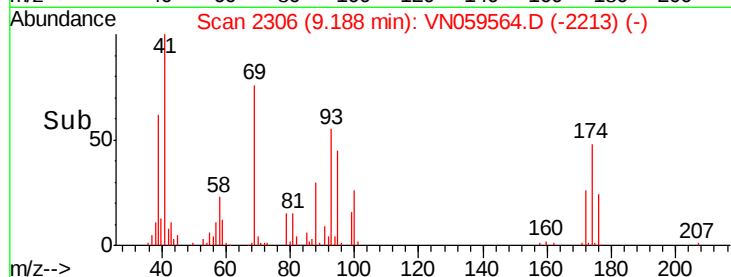
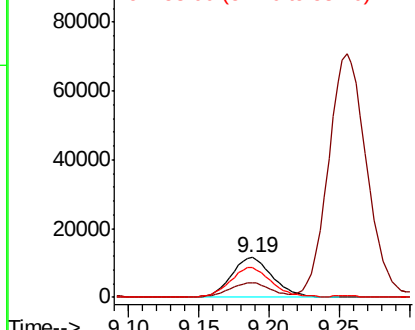
#49
1,4-Dioxane
Concen: 534.884 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion: 88 Resp: 23726
Ion Ratio Lower Upper
88 100
43 37.3 31.4 47.0
58 75.3 61.0 91.6

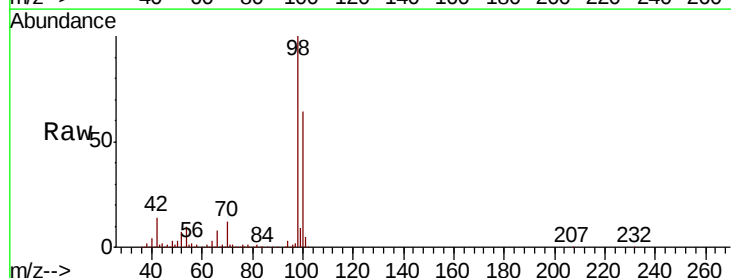


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

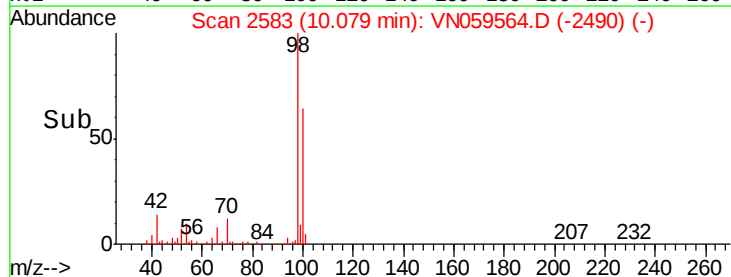
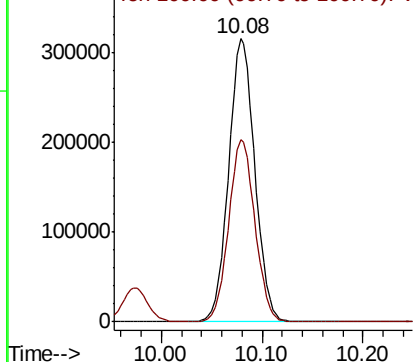


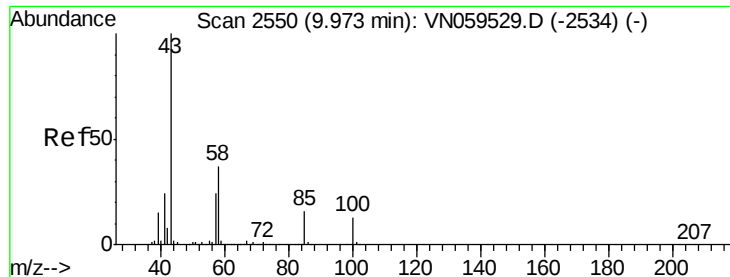
#50
Toluene-d8
Concen: 52.250 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 98 Resp: 569900
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 102.123 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

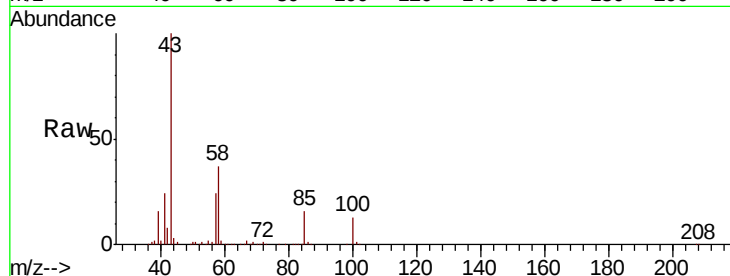
VN1211WBSD01

Tot Ion: 43 Resp: 516902

Ion Ratio Lower Upper

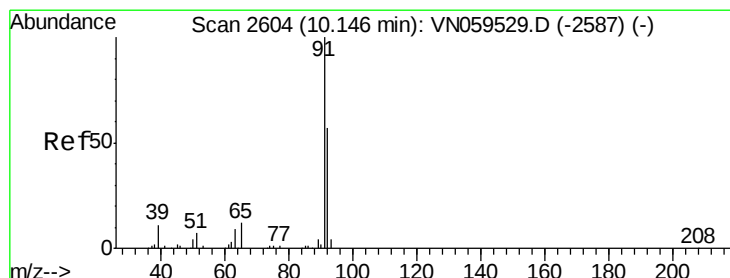
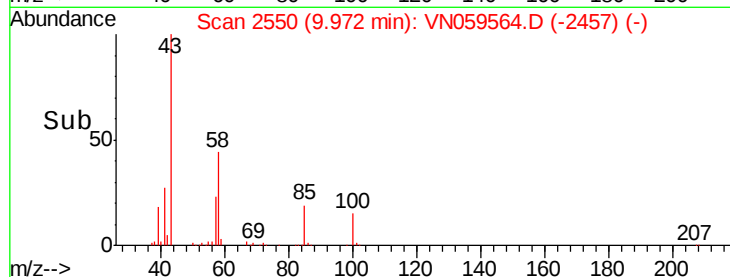
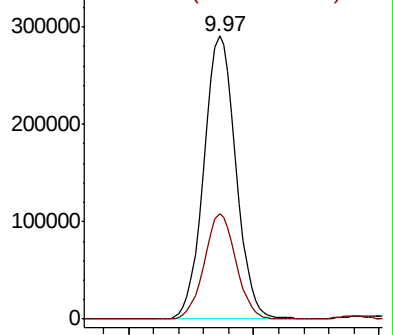
43 100

58 36.8 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.549 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059564.D

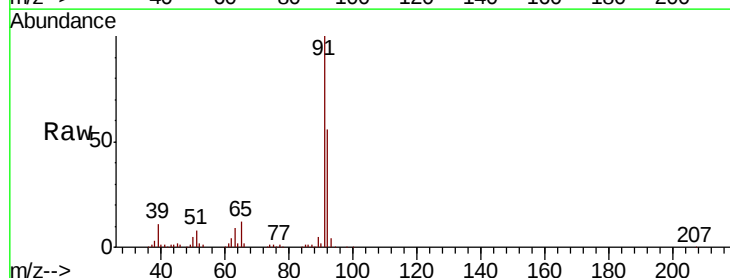
Acq: 11 Dec 2019 16:08

Tgt Ion: 92 Resp: 160656

Ion Ratio Lower Upper

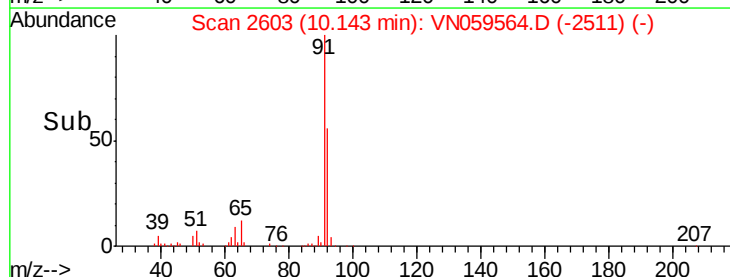
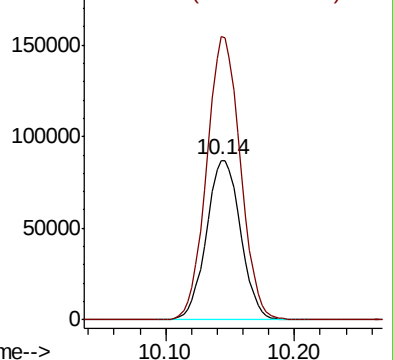
92 100

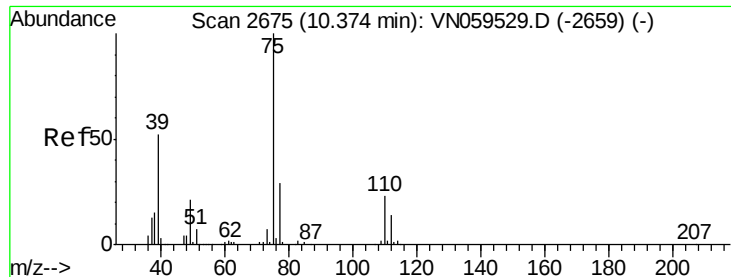
91 175.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.948 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

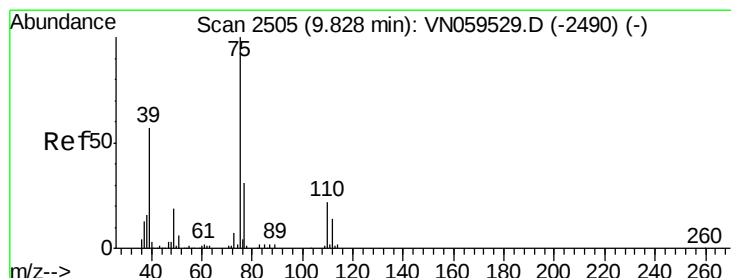
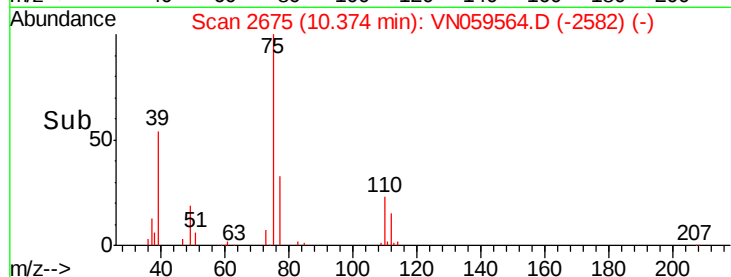
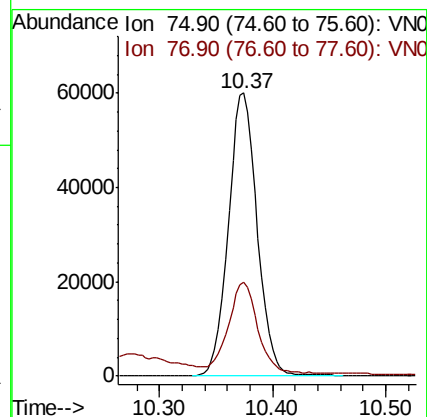
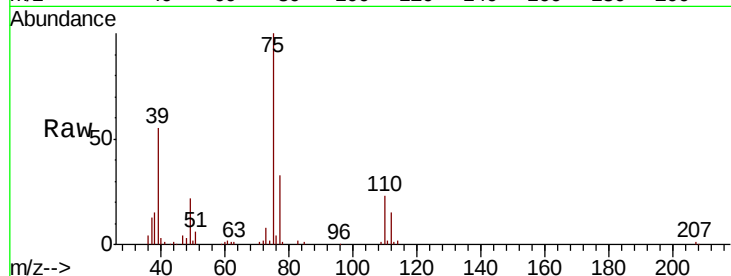
VN1211WBSD01

Tot Ion: 75 Resp: 106115

Ion Ratio Lower Upper

75 100

77 32.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 20.674 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

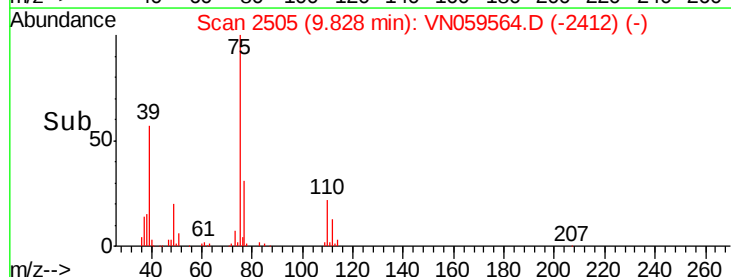
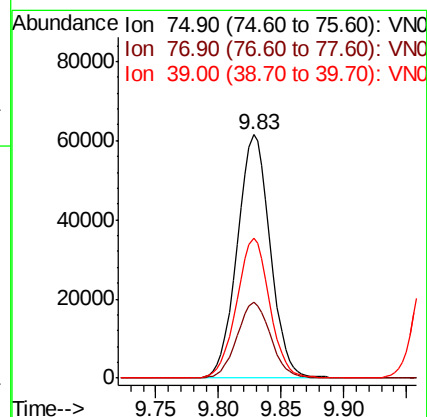
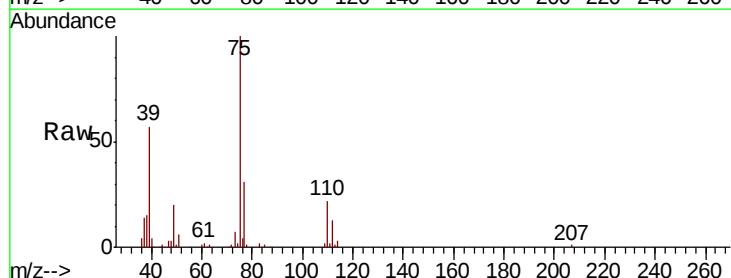
Tgt Ion: 75 Resp: 112559

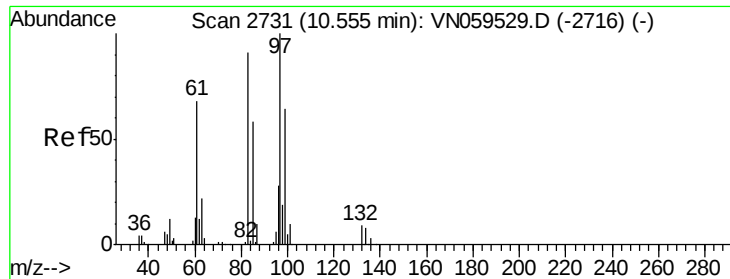
Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 57.3 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 20.290 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

Tot Ion: 97 Resp: 64157

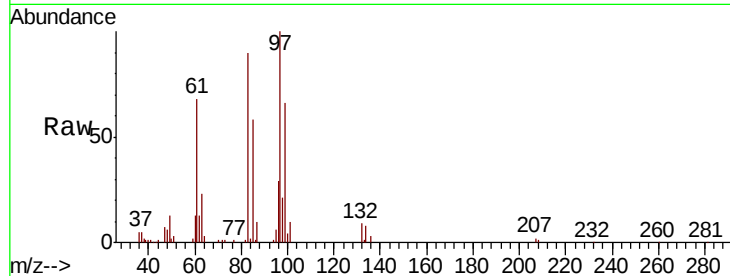
Ion Ratio Lower Upper

97 100

83 90.2 72.9 109.3

85 58.0 46.1 69.1

99 66.1 50.8 76.2

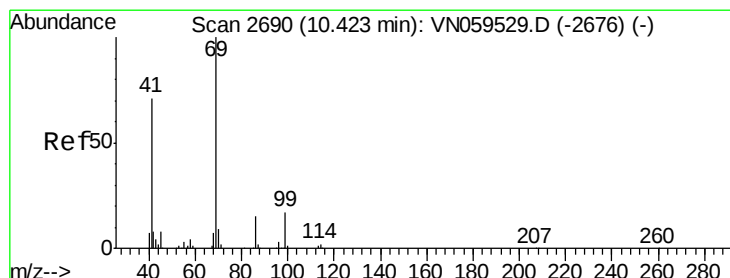
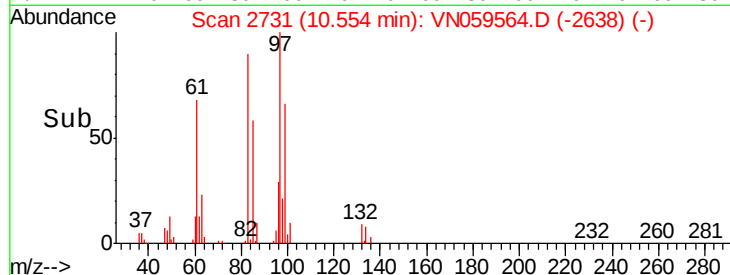
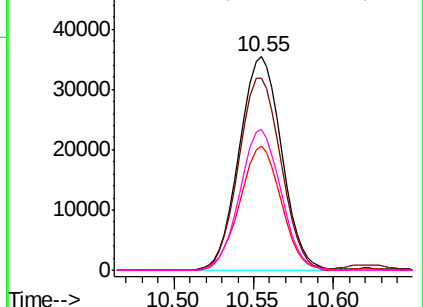


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.602 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

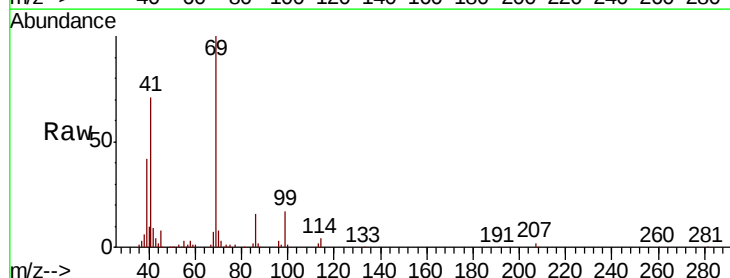
Tgt Ion: 69 Resp: 93724

Ion Ratio Lower Upper

69 100

41 71.1 57.7 86.5

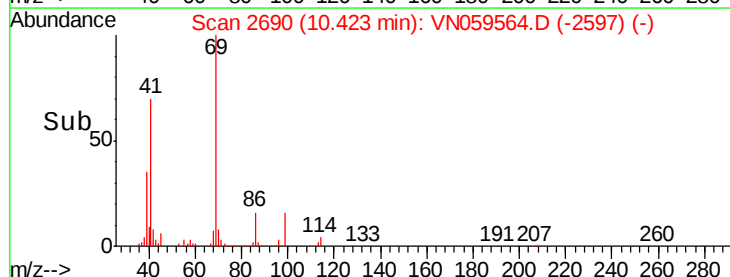
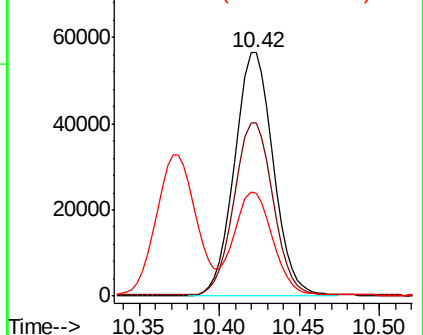
39 42.4 34.2 51.2

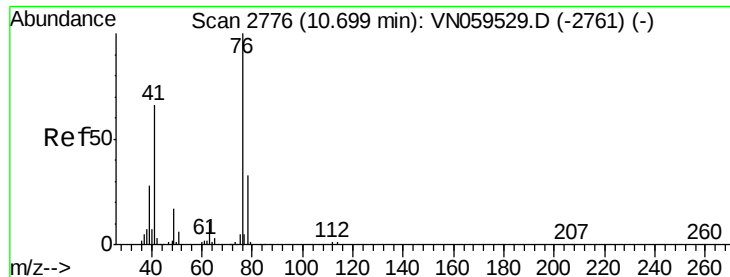


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.777 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

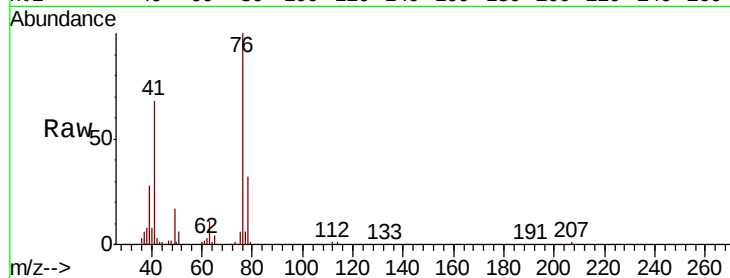
VN1211WBSD01

Tot Ion: 76 Resp: 112206

Ion Ratio Lower Upper

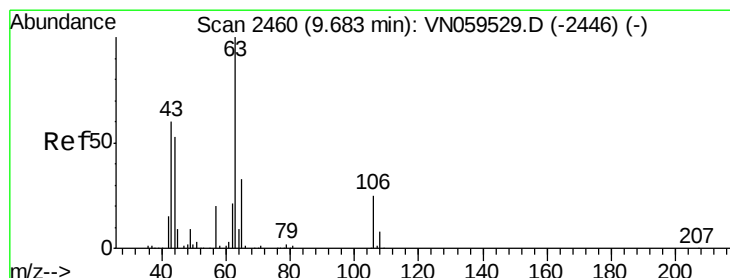
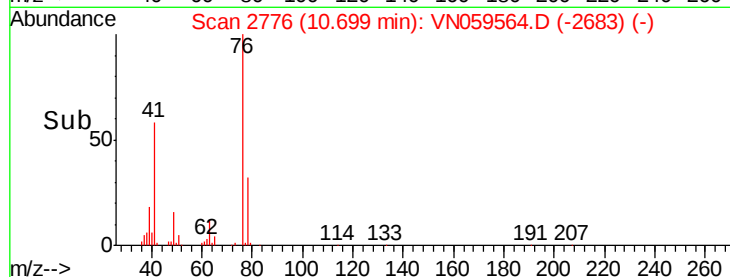
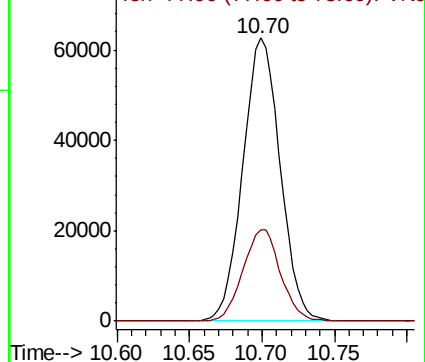
76 100

78 32.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 122.398 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059564.D

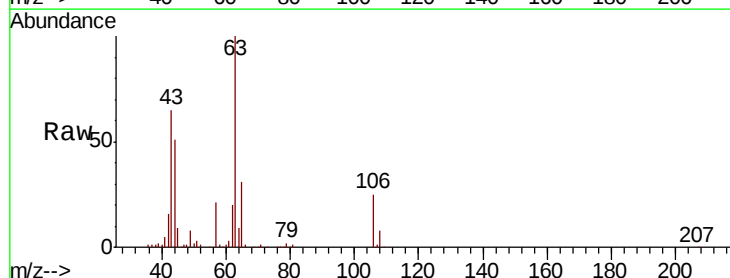
Acq: 11 Dec 2019 16:08

Tgt Ion: 63 Resp: 158549

Ion Ratio Lower Upper

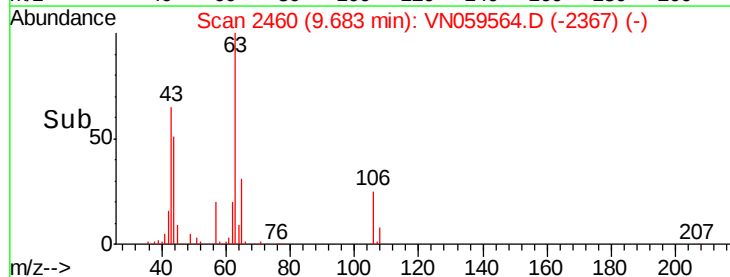
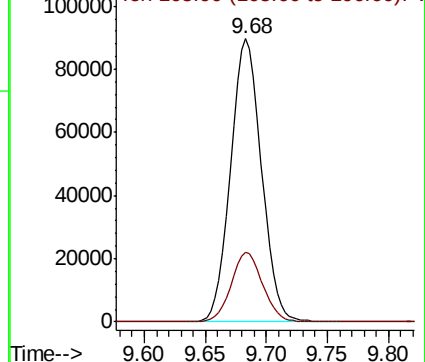
63 100

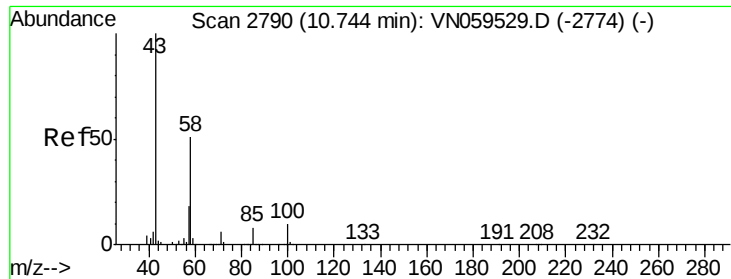
106 25.0 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

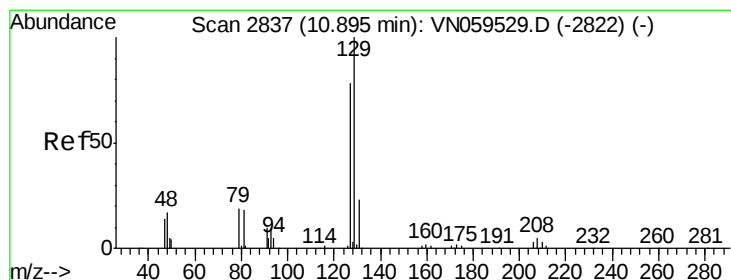
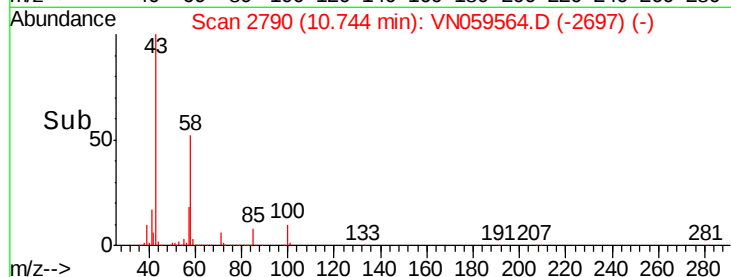
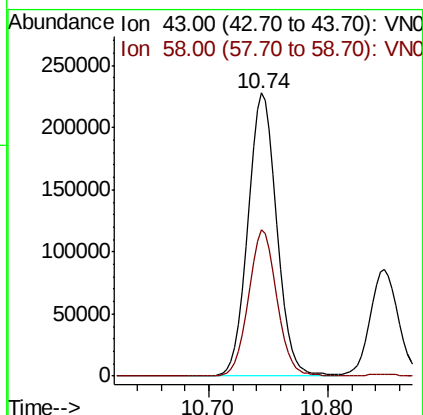
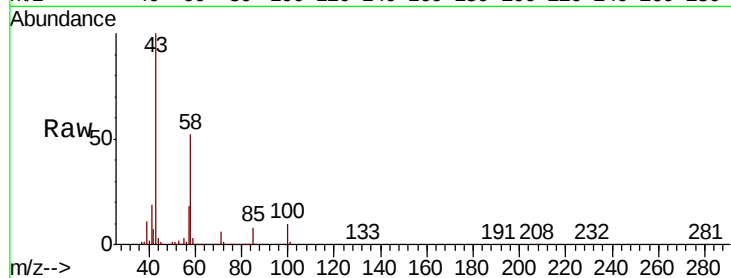




#59
2-Hexanone
Concen: 100.823 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

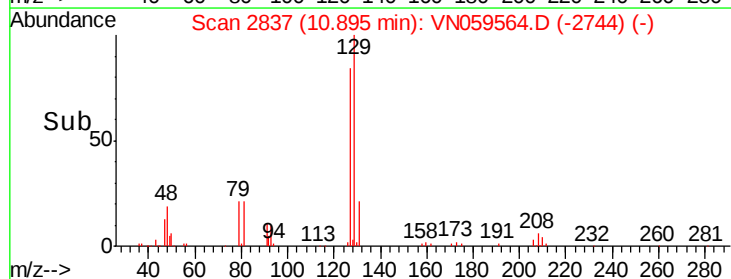
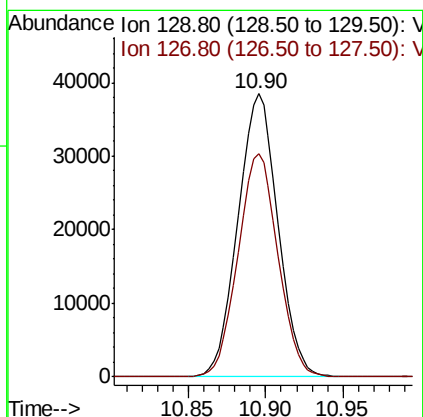
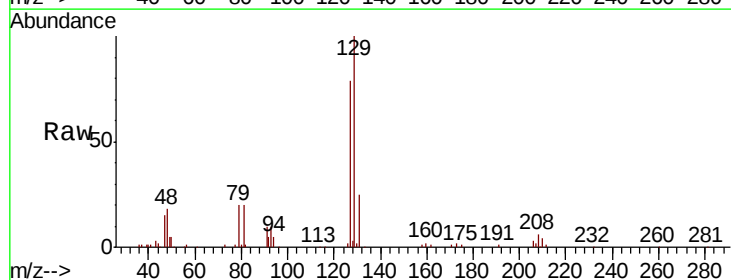
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

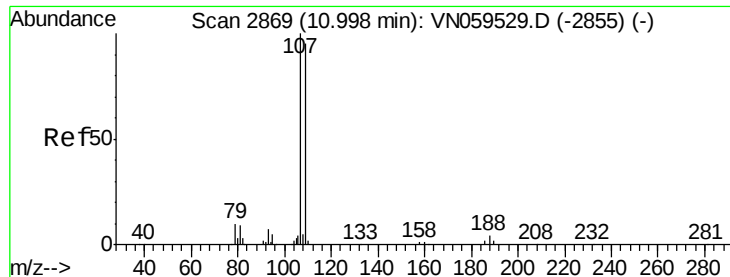
Tot Ion: 43 Resp: 382834
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.6



#60
Dibromochloromethane
Concen: 18.978 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 129 Resp: 69115
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.6

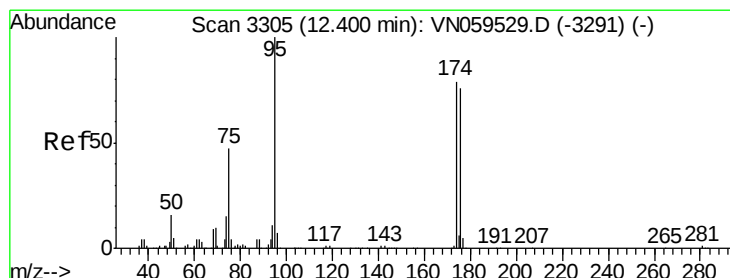
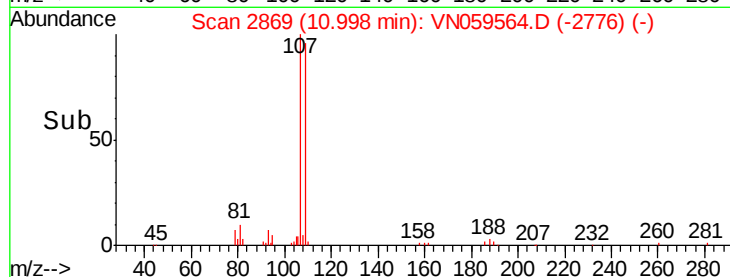
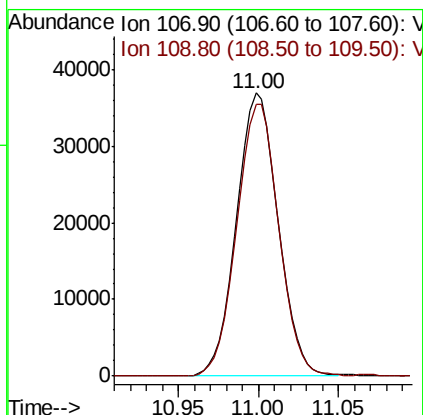
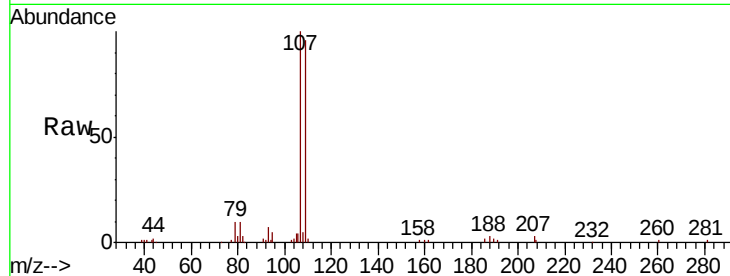




#61
 1,2-Dibromoethane
 Concen: 19.868 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

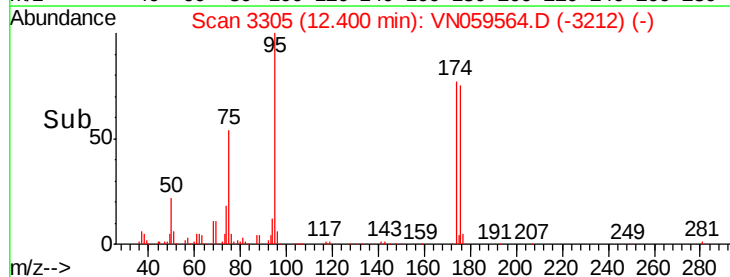
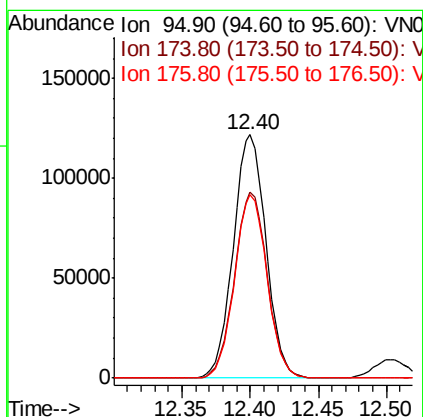
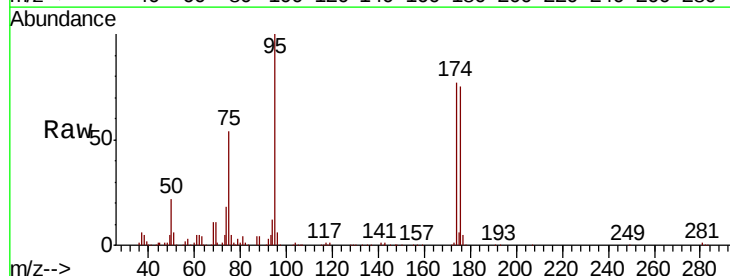
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

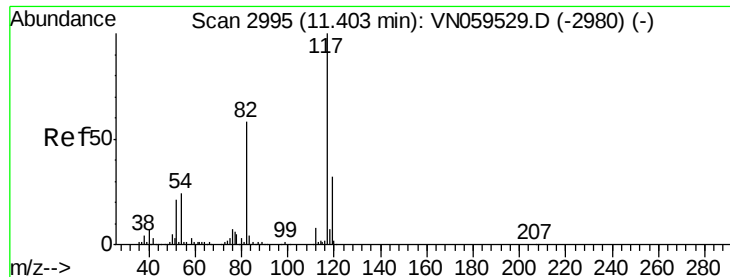
Tot Ion: 107 Resp: 65400
 Ion Ratio Lower Upper
 107 100
 109 97.0 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 50.211 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion: 95 Resp: 202725
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 158.0
 176 74.7 0.0 155.4

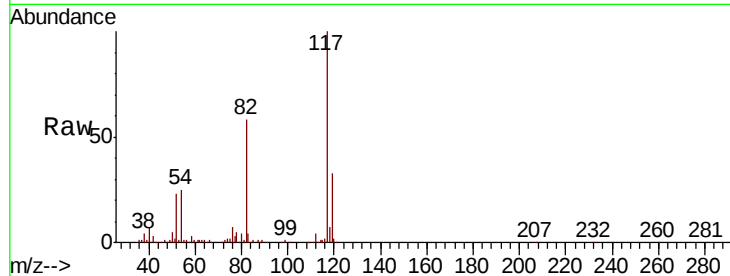




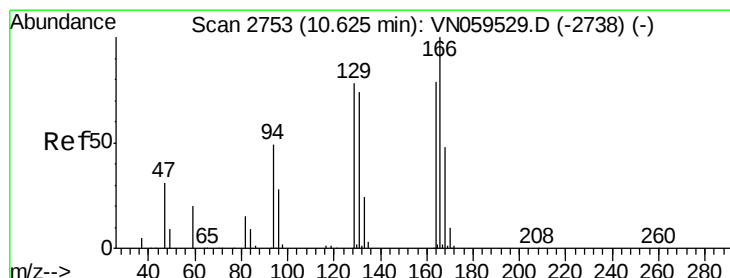
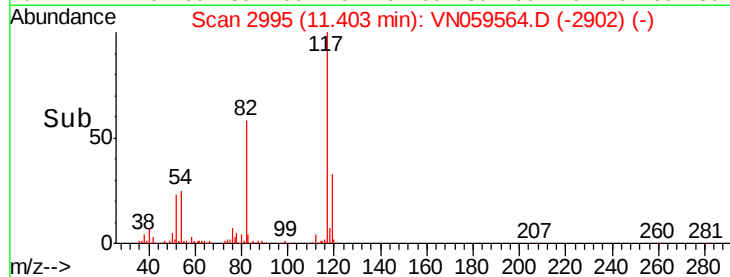
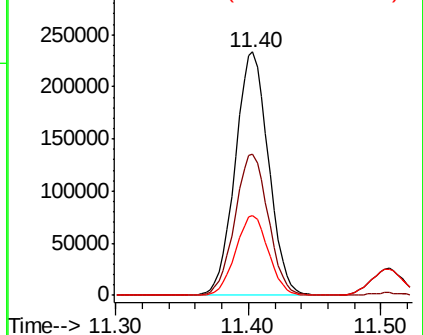
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

Tot Ion:117 Resp: 406812
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.9 25.2 37.8

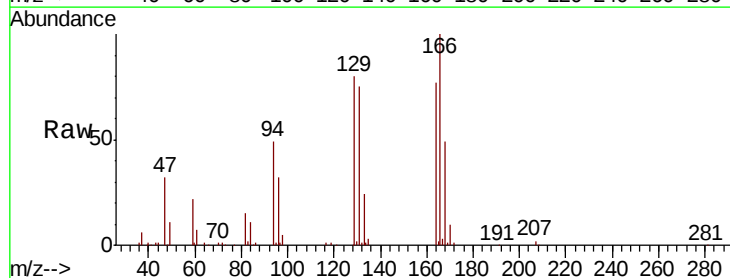


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

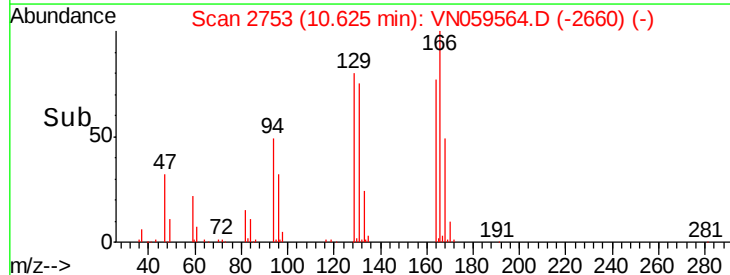
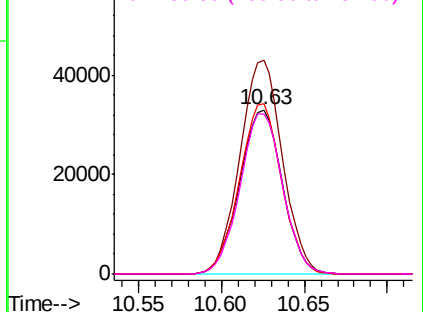


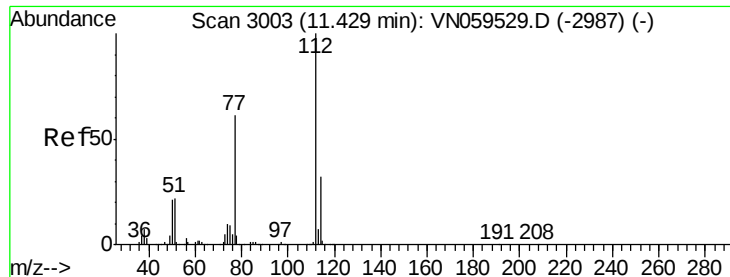
#64
Tetrachloroethene
Concen: 19.925 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion:164 Resp: 59242
Ion Ratio Lower Upper
164 100
166 130.1 101.6 152.4
129 103.6 79.0 118.6
131 97.7 74.7 112.1



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





#65

Chlorobenzene

Concen: 19.691 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

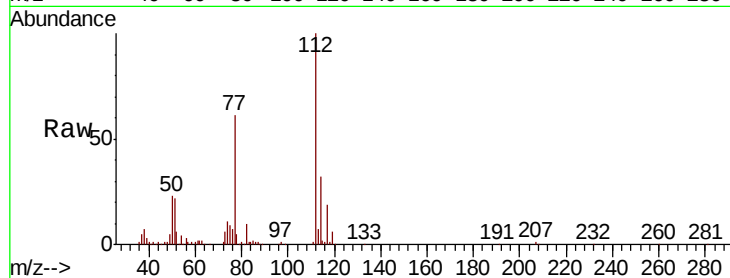
VN1211WBSD01

Tot Ion:112 Resp: 167844

Ion Ratio Lower Upper

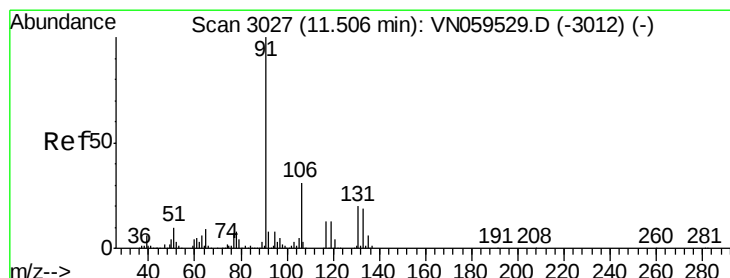
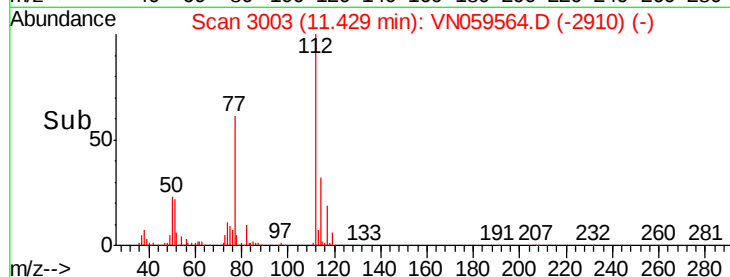
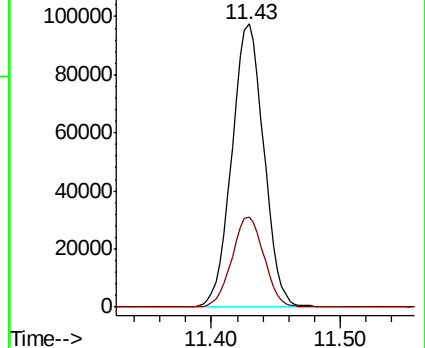
112 100

114 31.8 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.321 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

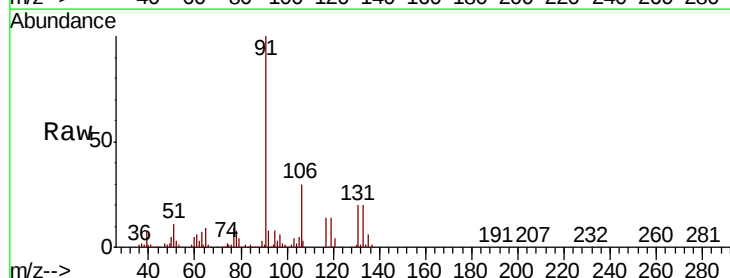
Tgt Ion:131 Resp: 64604

Ion Ratio Lower Upper

131 100

133 98.6 47.8 143.3

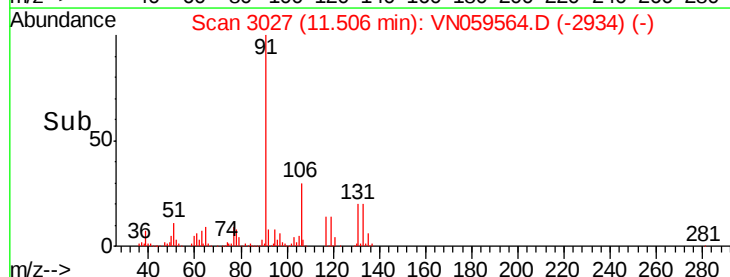
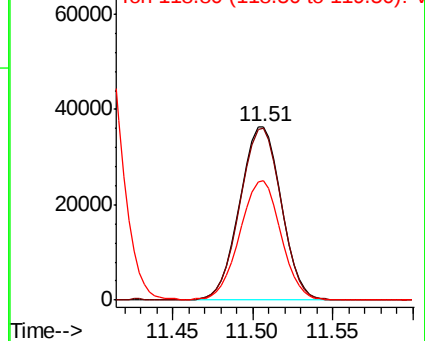
119 68.1 33.4 100.2

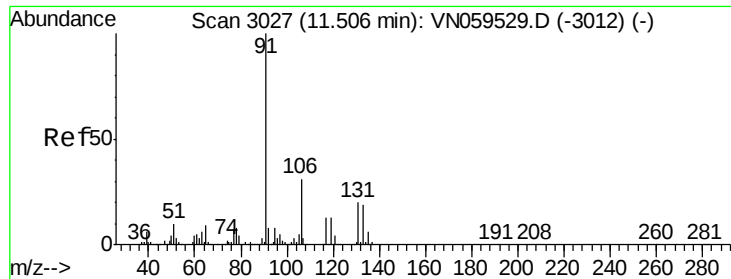


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.939 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

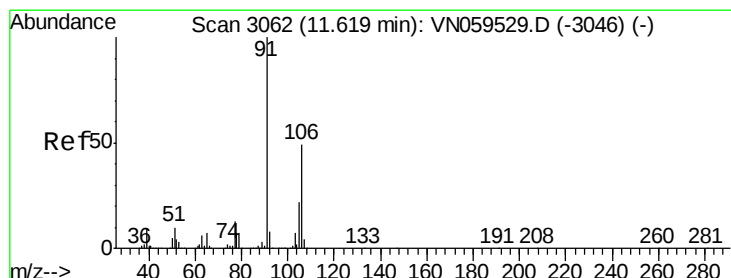
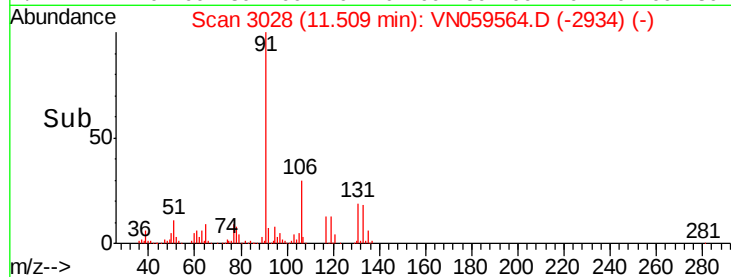
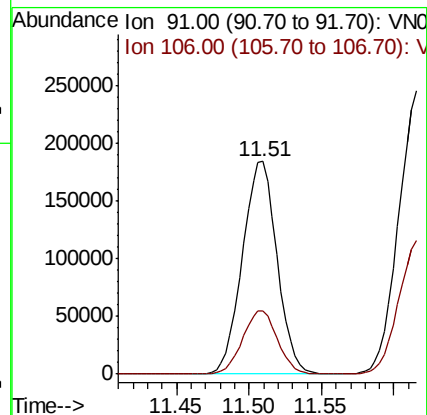
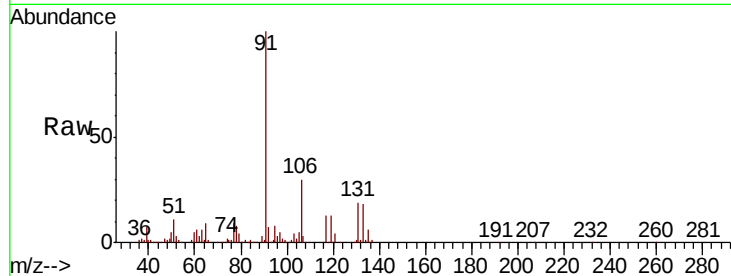
VN1211WBSD01

Tot Ion: 91 Resp: 305843

Ion Ratio Lower Upper

91 100

106 30.0 24.5 36.7



#68

m/p-Xylenes

Concen: 39.150 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059564.D

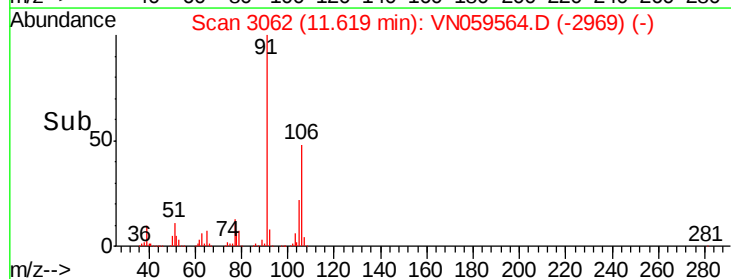
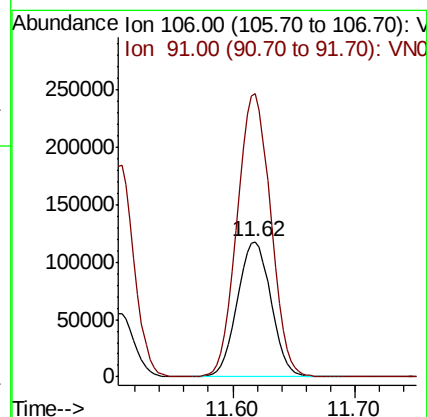
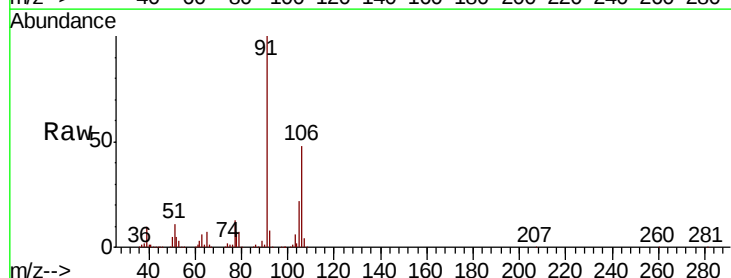
Acq: 11 Dec 2019 16:08

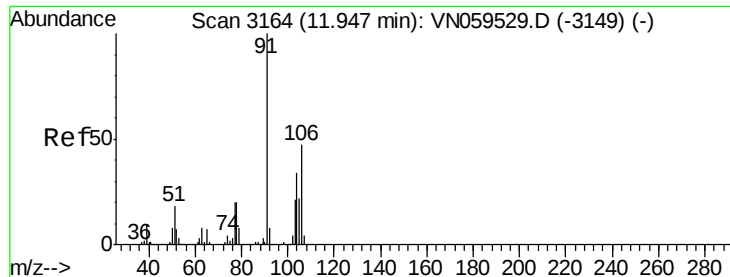
Tgt Ion: 106 Resp: 225272

Ion Ratio Lower Upper

106 100

91 208.8 162.9 244.3

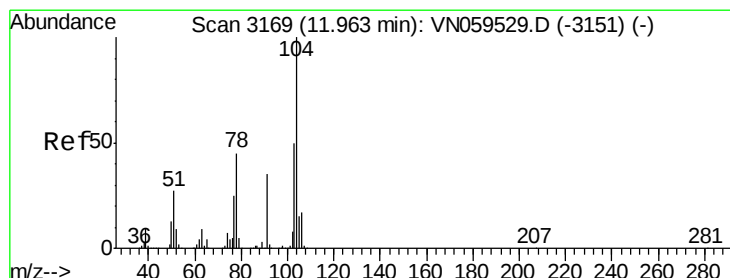
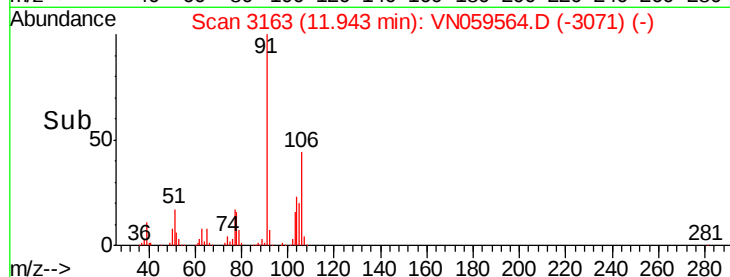
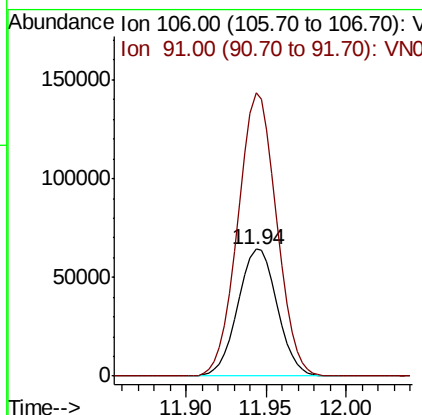
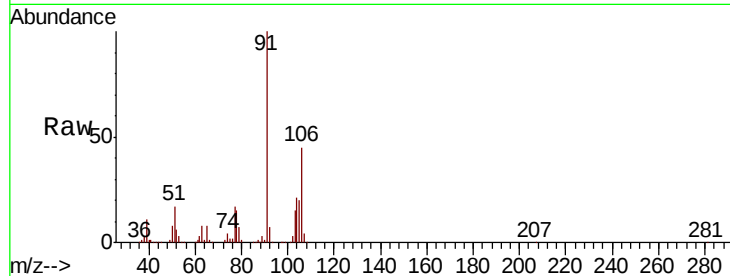




#69
o-Xylene
Concen: 20.076 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

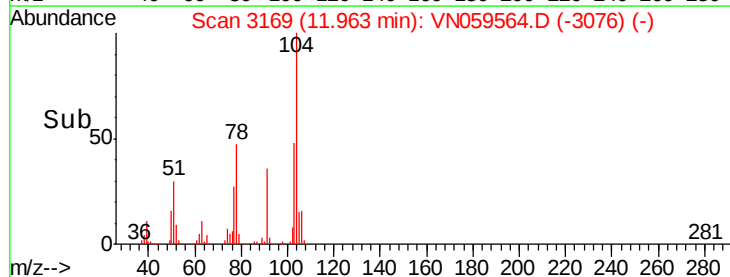
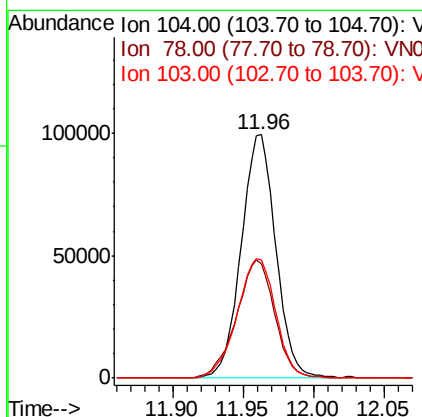
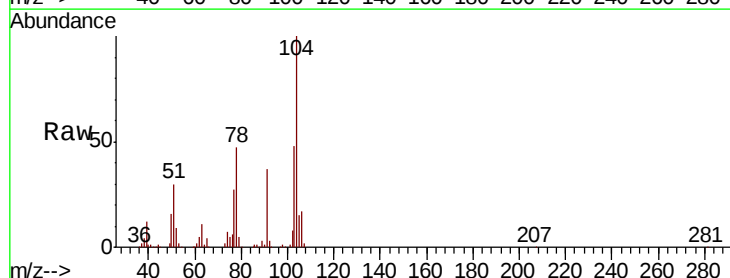
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

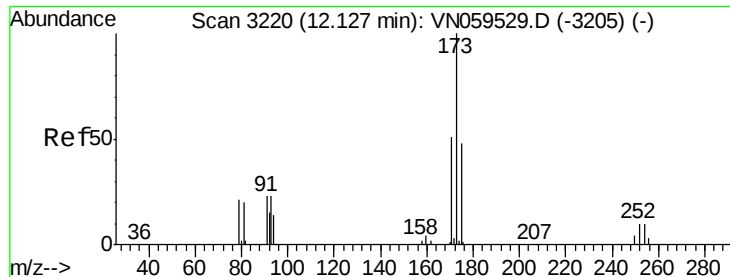
Tot Ion:106 Resp: 107522
Ion Ratio Lower Upper
106 100
91 219.7 106.7 319.9



#70
Styrene
Concen: 19.314 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion:104 Resp: 171372
Ion Ratio Lower Upper
104 100
78 53.5 40.6 60.8
103 54.8 43.9 65.9





#71

Bromoform

Concen: 19.231 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN1211WBSD01

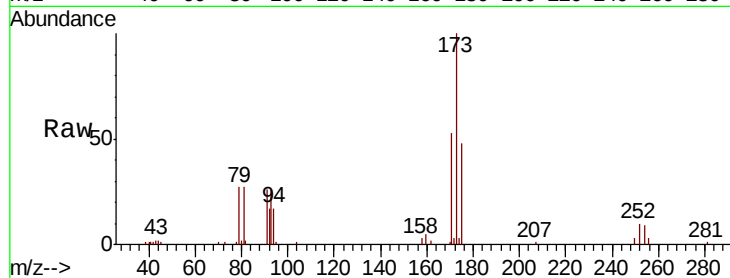
Tot Ion:173 Resp: 48105

Ion Ratio Lower Upper

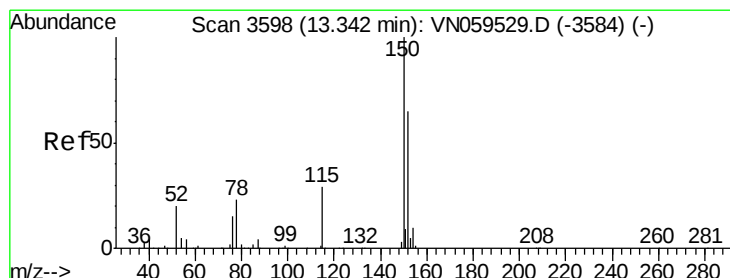
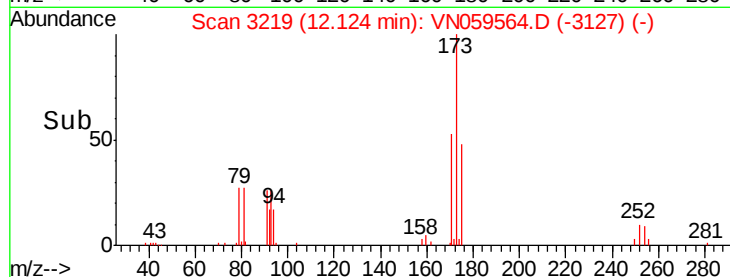
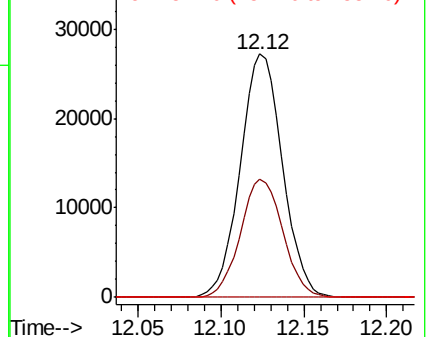
173 100

175 48.9 24.1 72.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

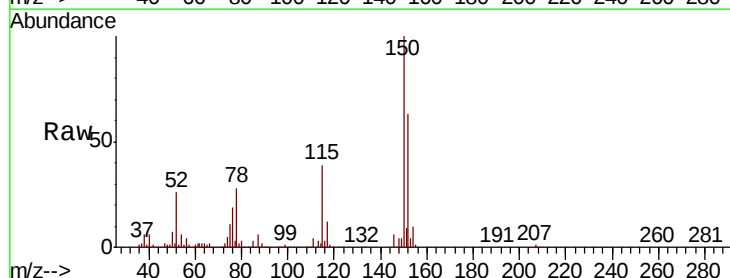
Tgt Ion:152 Resp: 192831

Ion Ratio Lower Upper

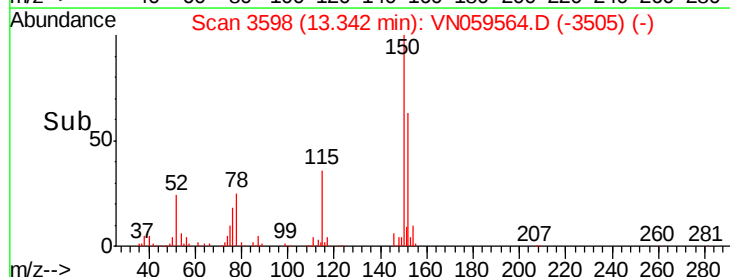
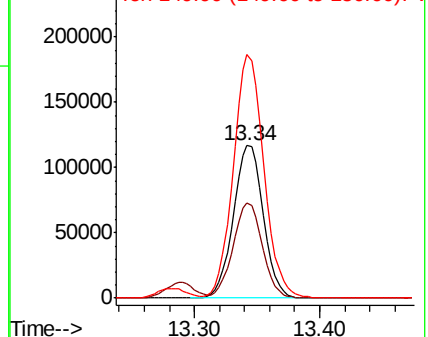
152 100

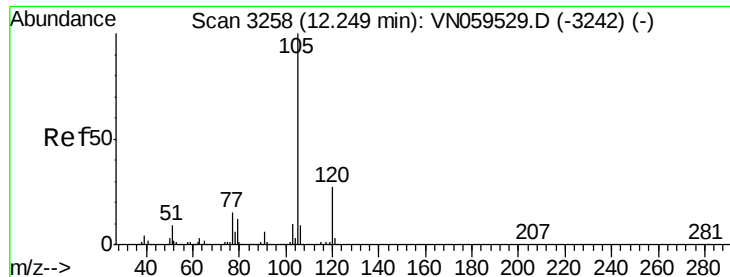
115 61.6 29.4 88.2

150 162.9 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: 19.853 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

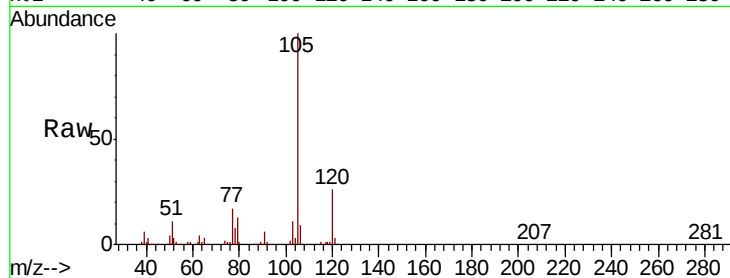
VN1211WBSD01

Tot Ion: 105 Resp: 287161

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

150000

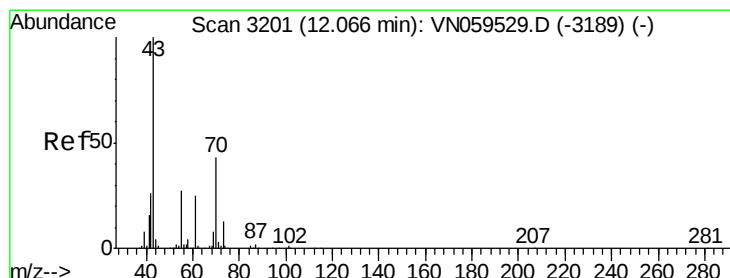
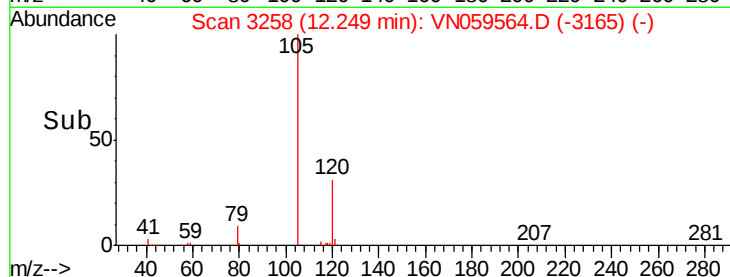
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 20.859 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Tgt Ion: 43 Resp: 131425

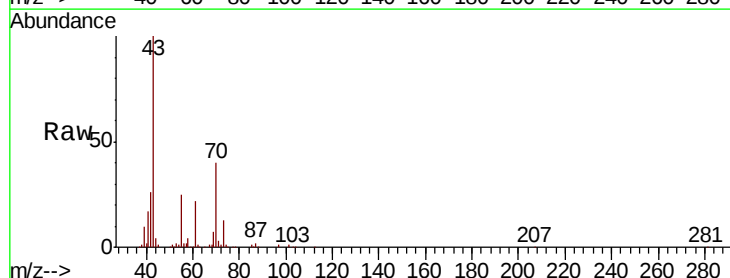
Ion Ratio Lower Upper

43 100

70 39.4 34.2 51.4

55 26.1 21.3 31.9

61 22.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

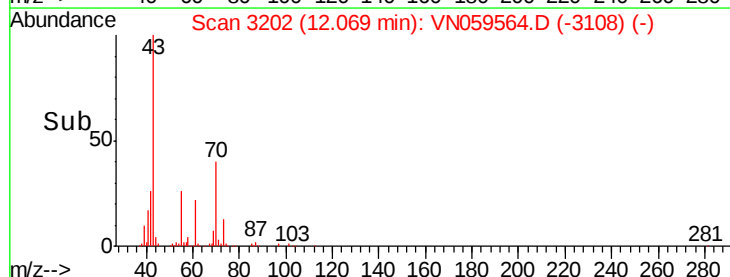
40000

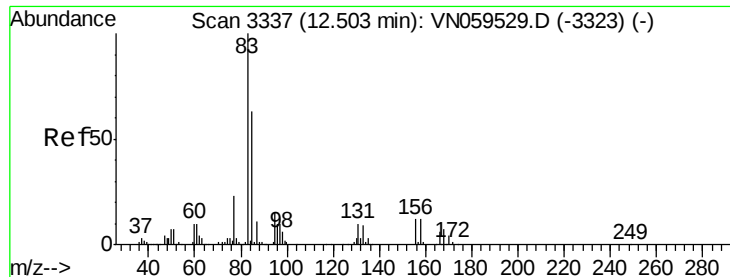
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.811 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

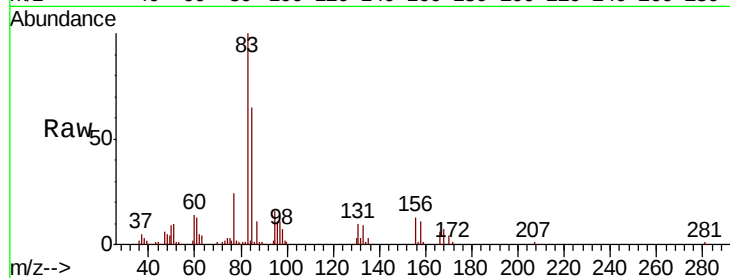
Tot Ion: 83 Resp: 97100

Ion Ratio Lower Upper

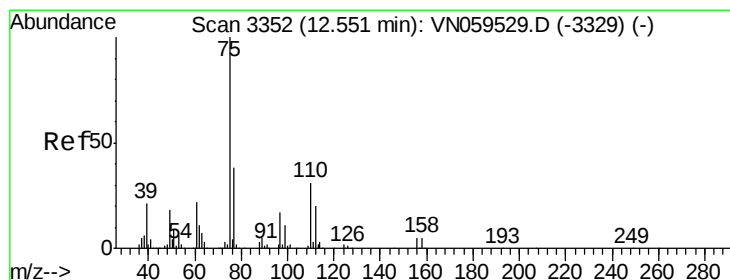
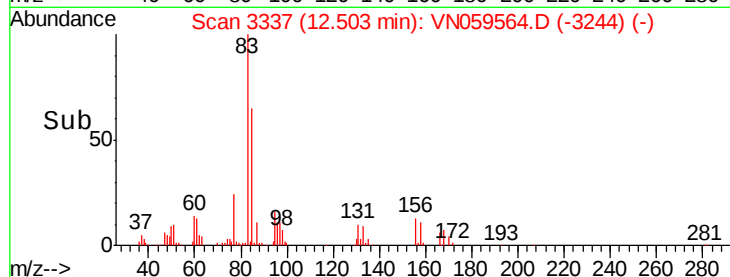
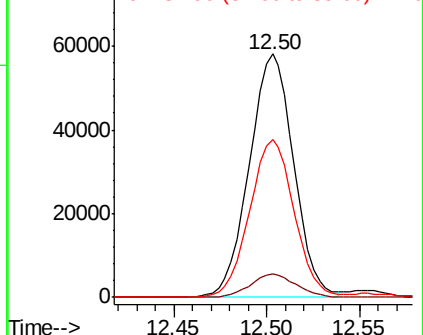
83 100

131 9.8 5.0 14.9

85 65.3 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 27.744 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059564.D

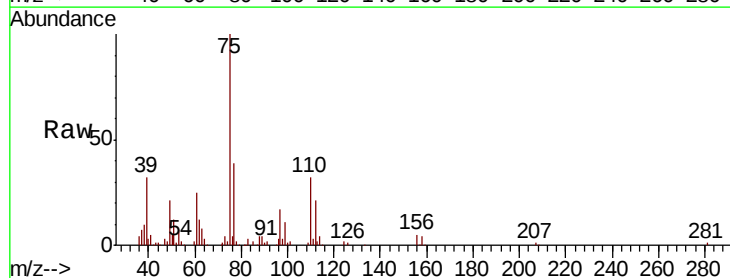
Acq: 11 Dec 2019 16:08

Tgt Ion: 75 Resp: 136813

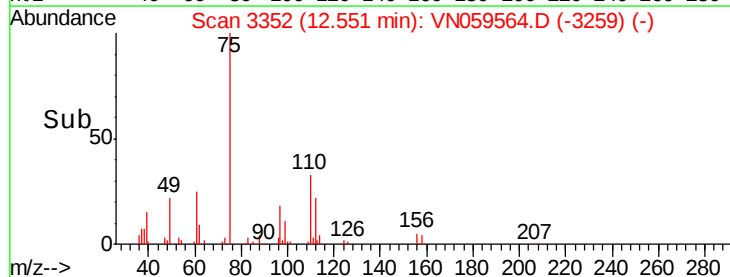
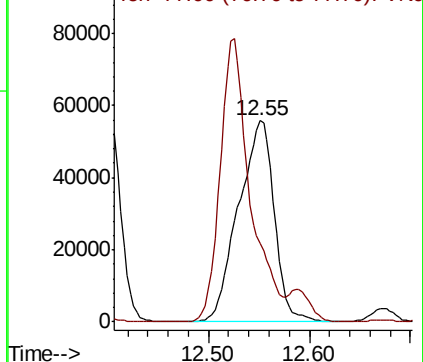
Ion Ratio Lower Upper

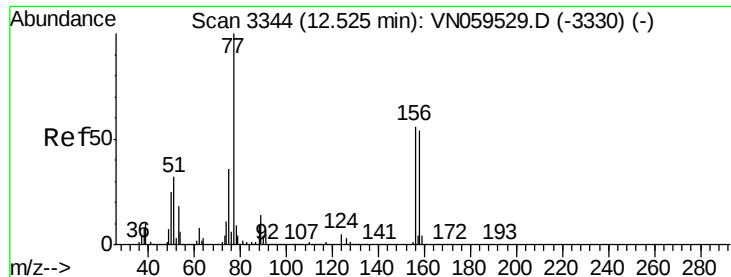
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.572 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampled :

VN1211WBSD01

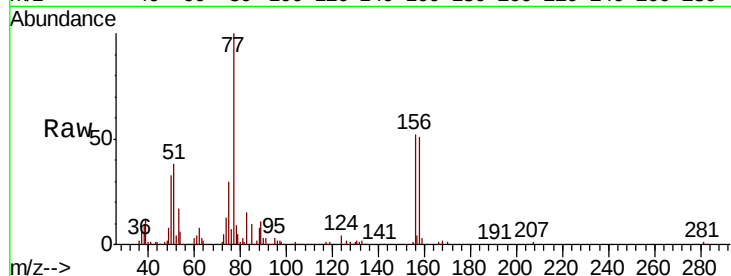
Tot Ion:156 Resp: 70480

Ion Ratio Lower Upper

156 100

77 230.8 109.3 327.8

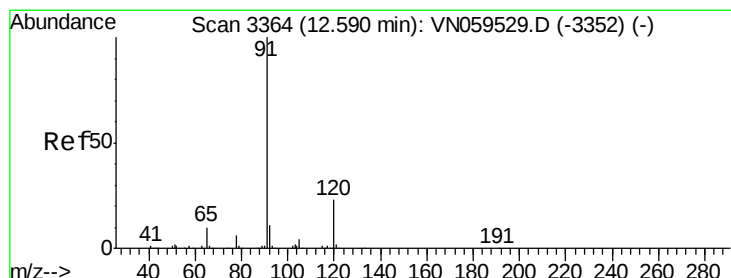
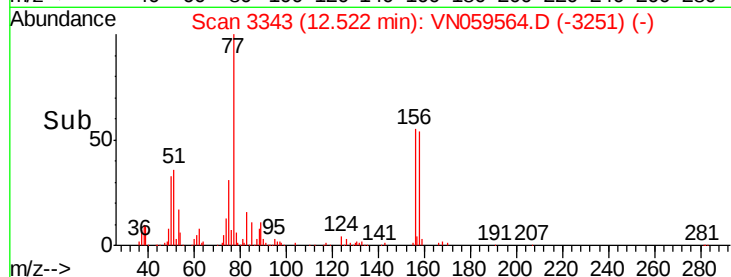
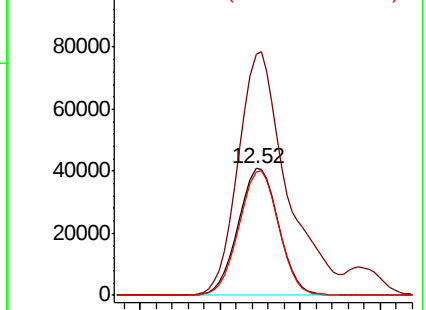
158 96.2 48.6 145.8



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: 19.476 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059564.D

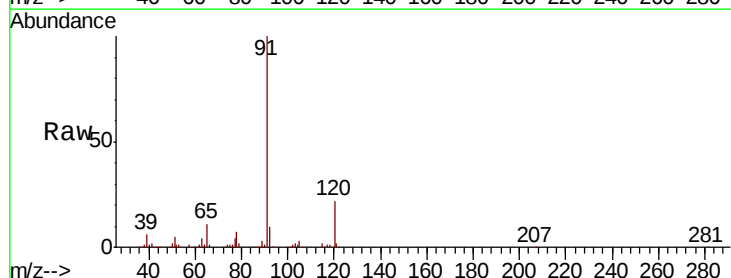
Acq: 11 Dec 2019 16:08

Tgt Ion: 91 Resp: 346164

Ion Ratio Lower Upper

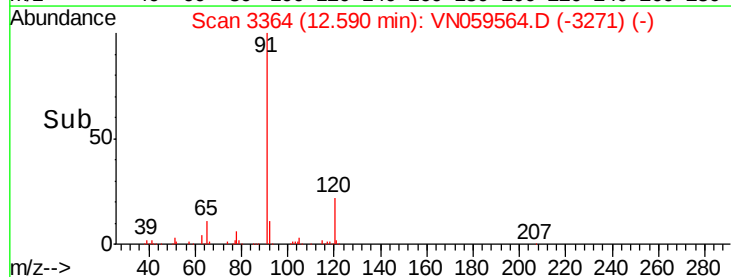
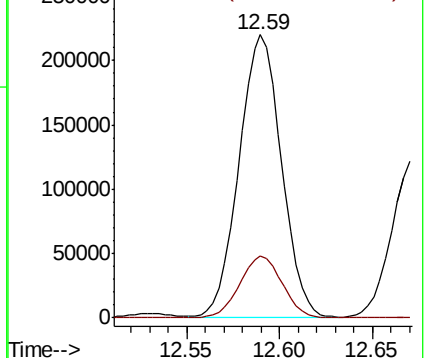
91 100

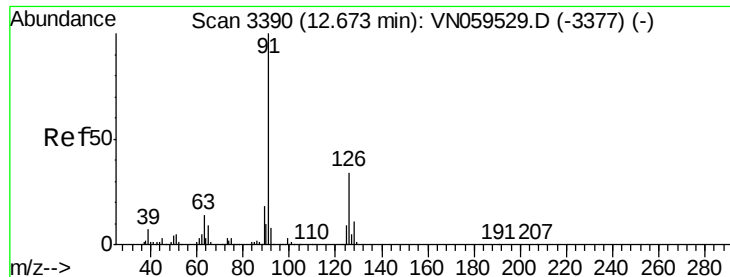
120 22.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

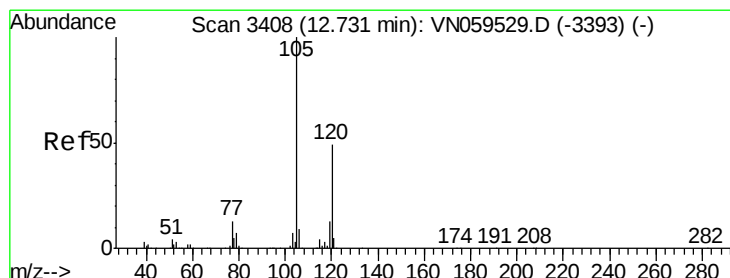
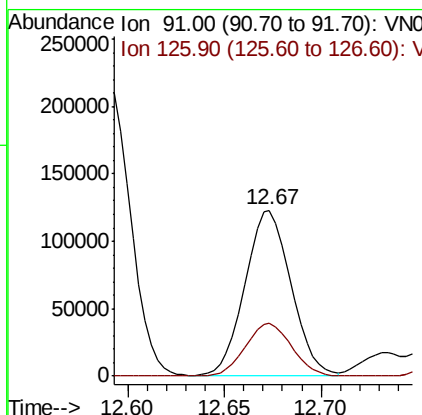
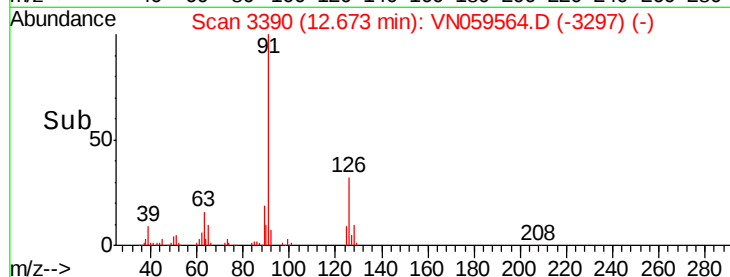
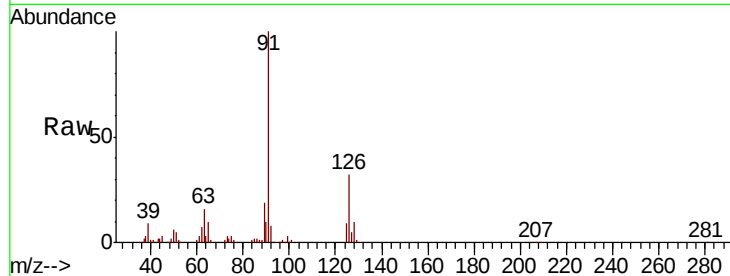




#79
 2-Chlorotoluene
 Concen: 19.107 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

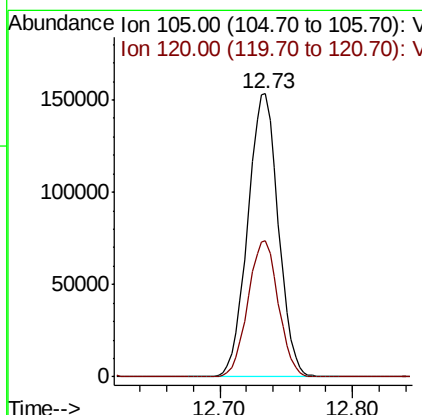
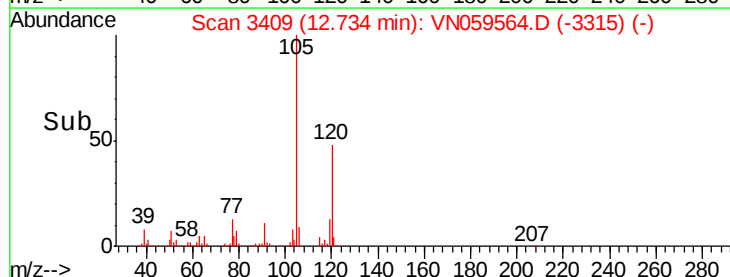
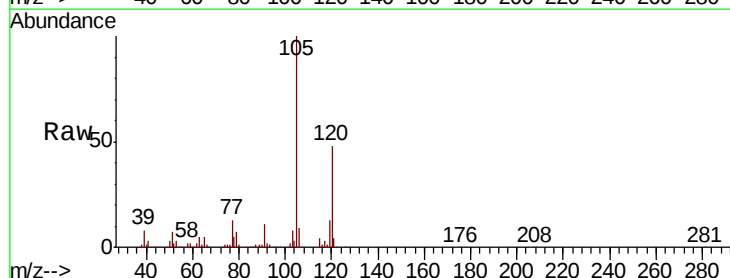
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

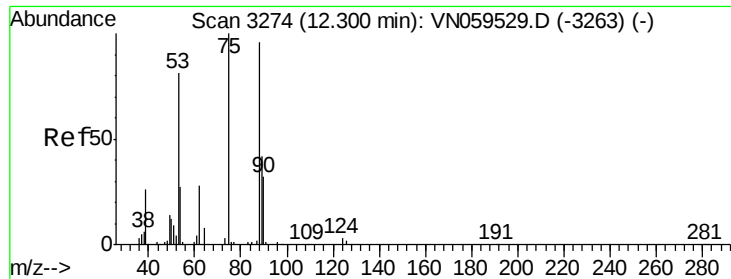
Tot Ion: 91 Resp: 202505
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 19.804 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion: 105 Resp: 245642
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.005 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

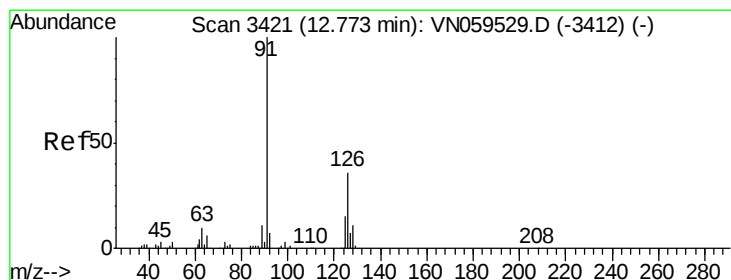
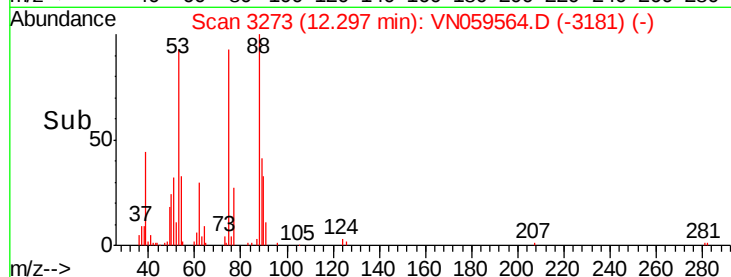
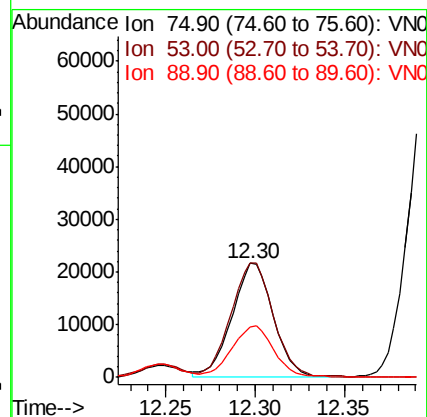
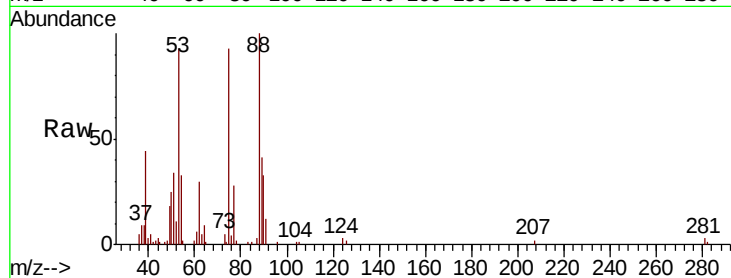
Tot Ion: 75 Resp: 34832

Ion Ratio Lower Upper

75 100

53 104.3 67.0 100.6#

89 46.3 35.5 53.3



#82

4-Chlorotoluene

Concen: 19.212 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059564.D

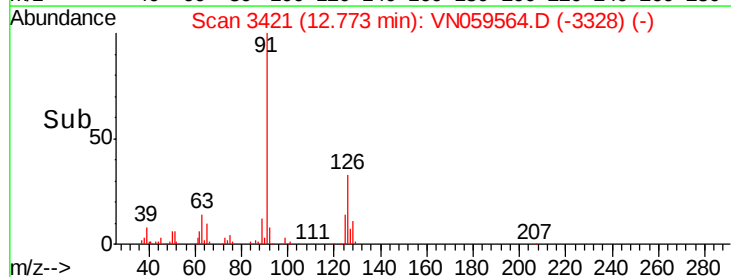
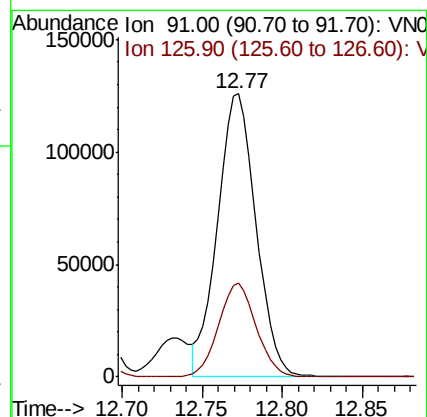
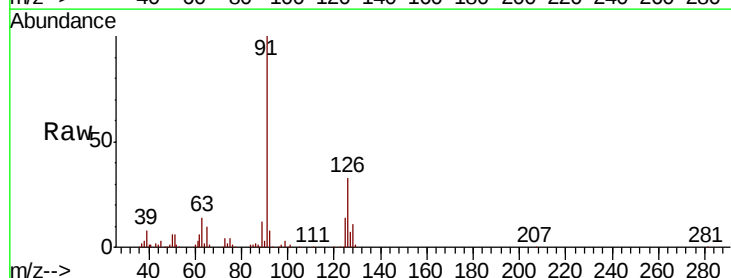
Acq: 11 Dec 2019 16:08

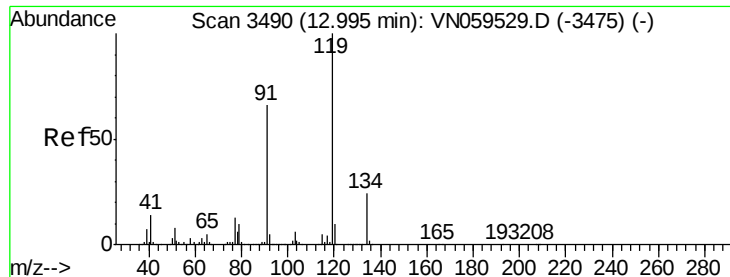
Tgt Ion: 91 Resp: 208202

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.4





#83

tert-Butylbenzene

Concen: 19.514 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

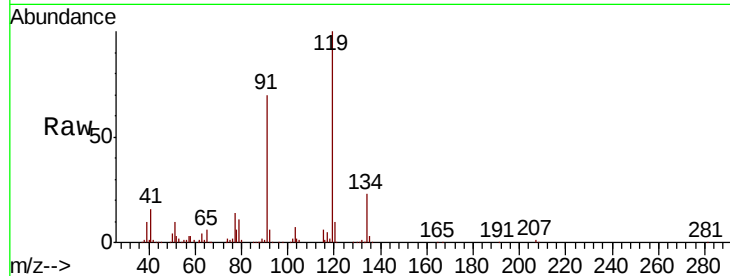
Tot Ion:119 Resp: 201844

Ion Ratio Lower Upper

119 100

91 70.3 32.8 98.4

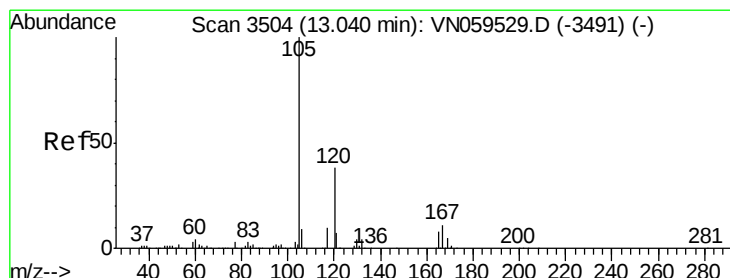
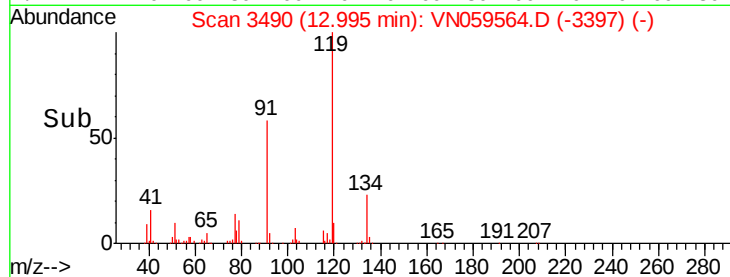
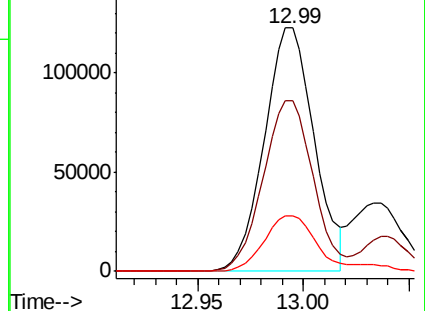
134 25.6 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.232 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059564.D

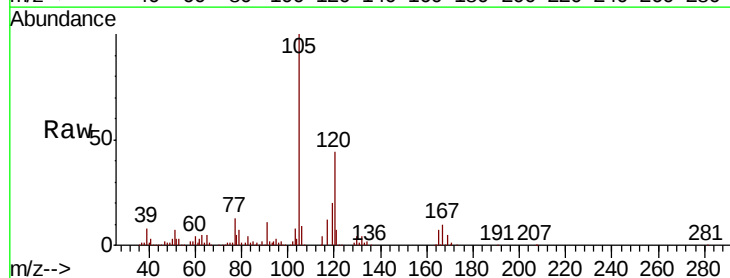
Acq: 11 Dec 2019 16:08

Tgt Ion:105 Resp: 247790

Ion Ratio Lower Upper

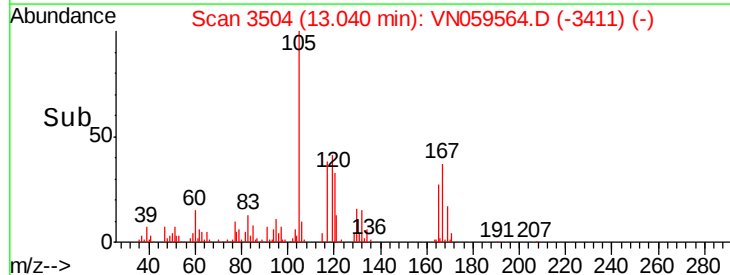
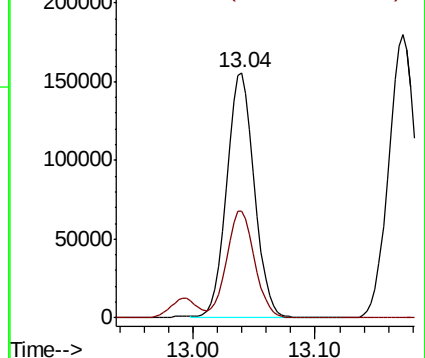
105 100

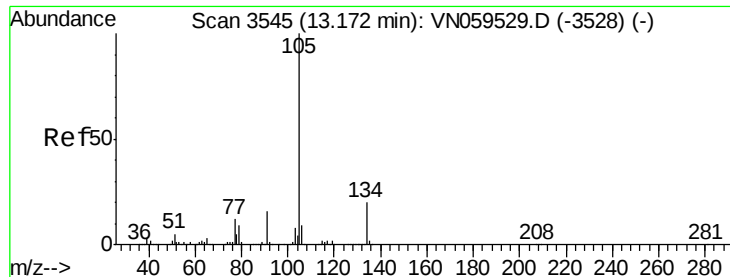
120 43.7 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.990 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

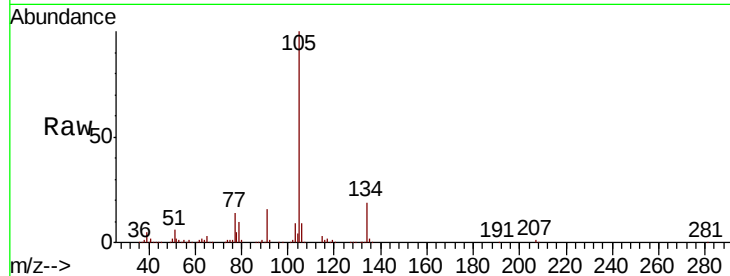
VN1211WBSD01

Tot Ion:105 Resp: 284003

Ion Ratio Lower Upper

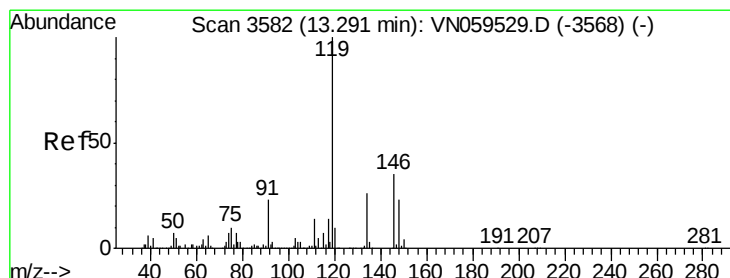
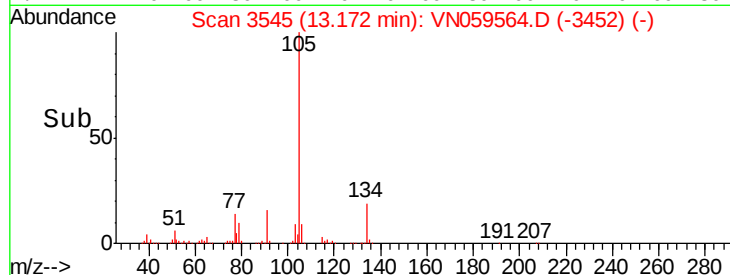
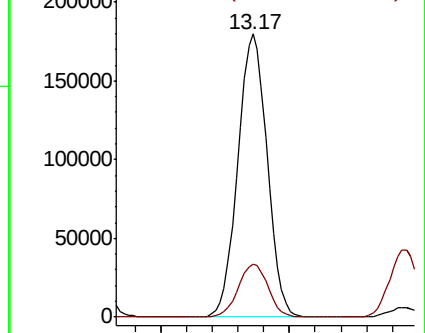
105 100

134 19.0 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: 19.979 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

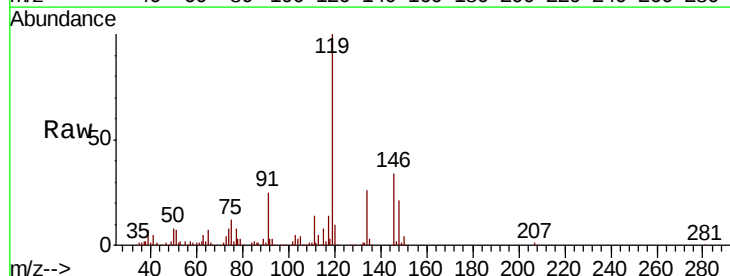
Tgt Ion:119 Resp: 253692

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

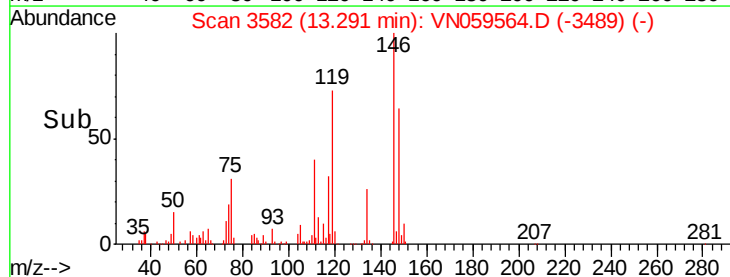
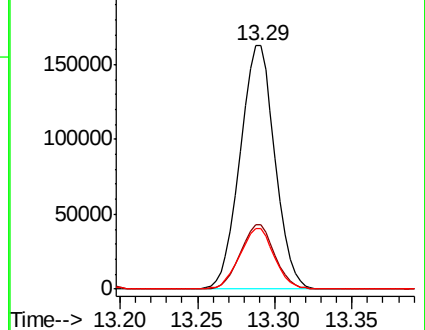
91 24.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.077 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

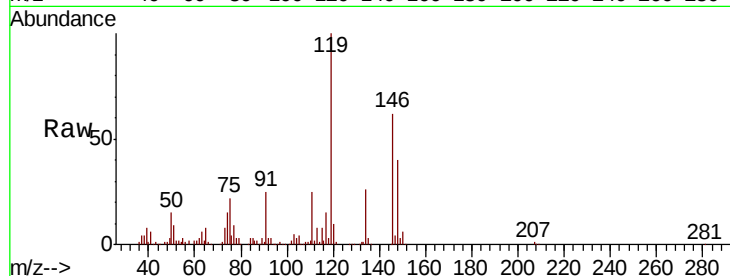
Tot Ion:146 Resp: 126529

Ion Ratio Lower Upper

146 100

111 40.9 20.6 61.8

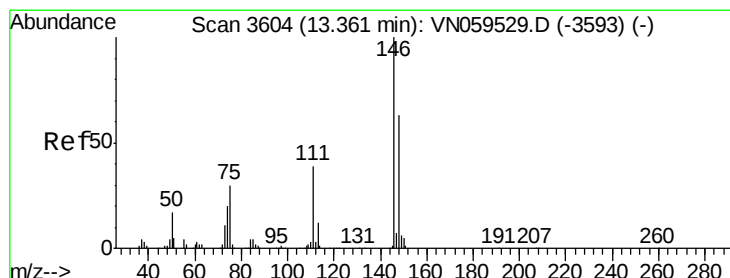
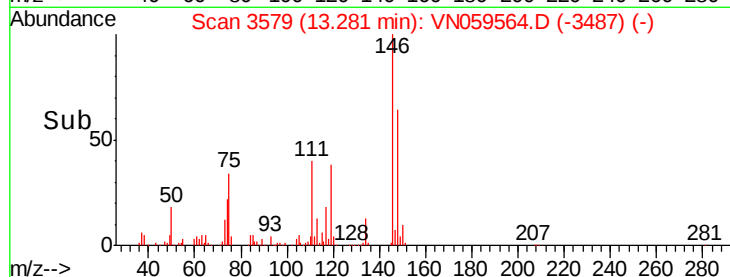
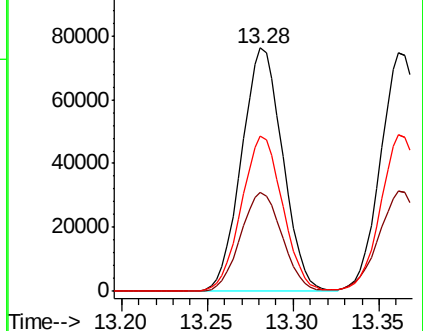
148 63.7 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 19.181 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

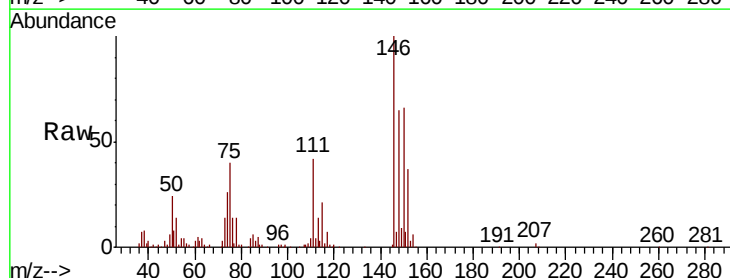
Tgt Ion:146 Resp: 124572

Ion Ratio Lower Upper

146 100

111 42.9 20.0 59.9

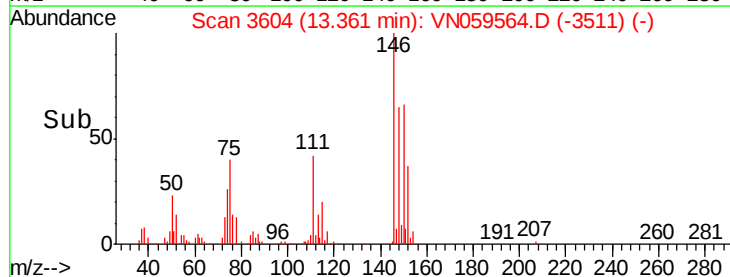
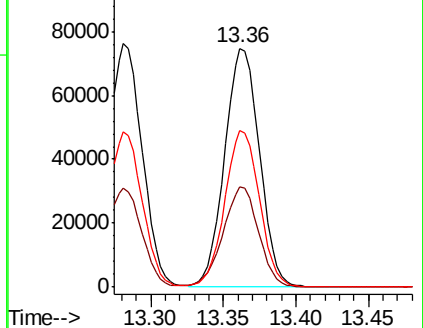
148 65.4 31.9 95.7

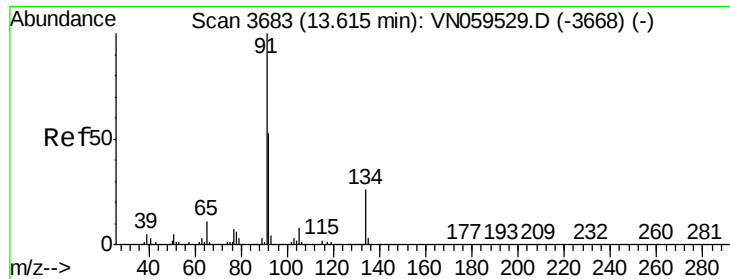


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

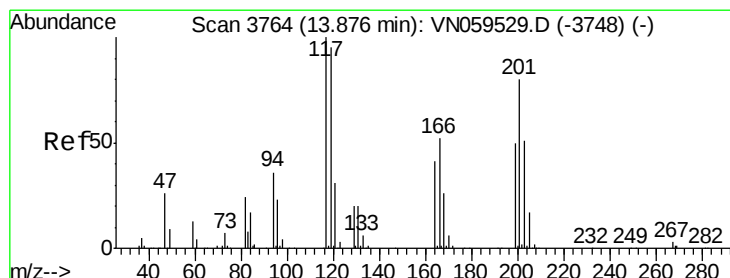
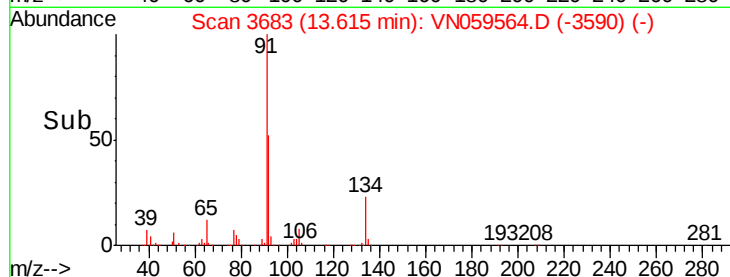
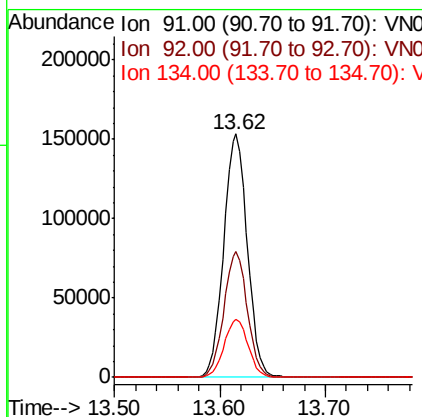
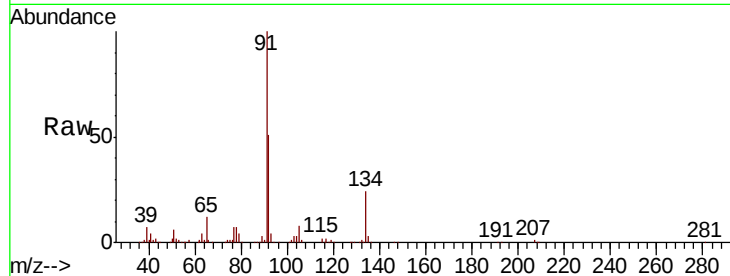




#89
n-Butylbenzene
Concen: 19.946 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

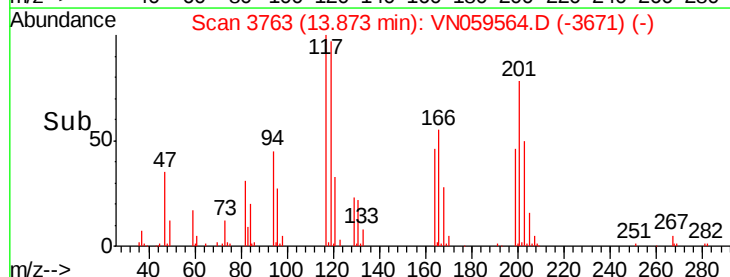
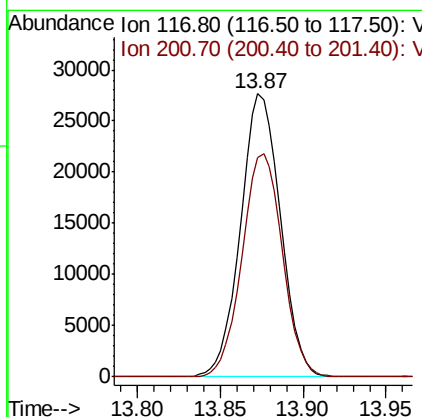
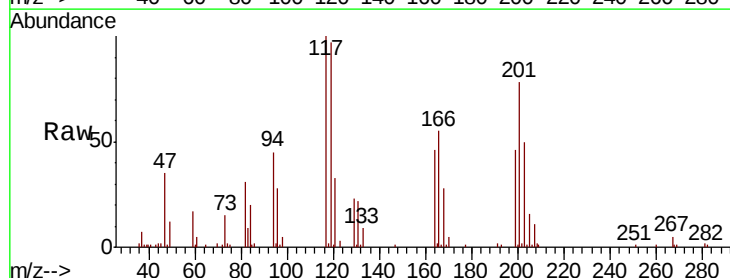
Instrument :
MSVOA_N
ClientSampleId :
VN1211WBSD01

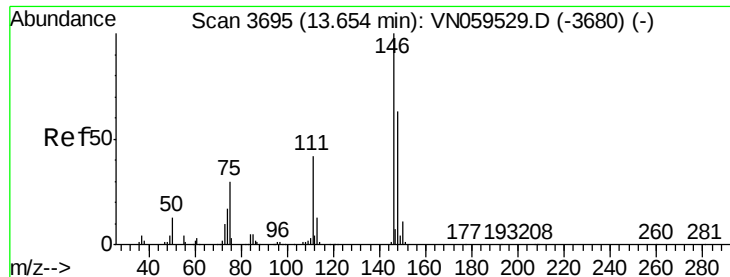
Tot Ion: 91 Resp: 237811
Ion Ratio Lower Upper
91 100
92 51.1 26.3 78.9
134 24.0 12.8 38.4



#90
Hexachloroethane
Concen: 19.898 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059564.D
Acq: 11 Dec 2019 16:08

Tgt Ion: 117 Resp: 46402
Ion Ratio Lower Upper
117 100
201 79.7 40.5 121.5





#91

1,2-Dichlorobenzene

Concen: 19.606 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

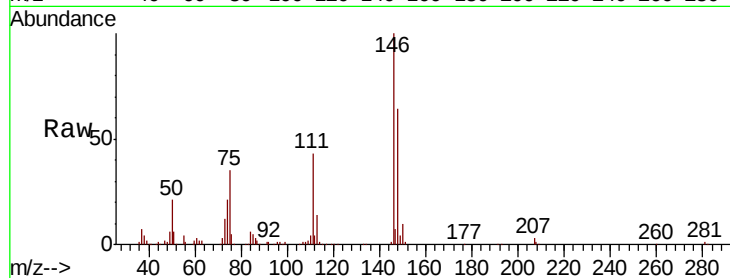
Tot Ion:146 Resp: 122034

Ion Ratio Lower Upper

146 100

111 43.8 20.9 62.7

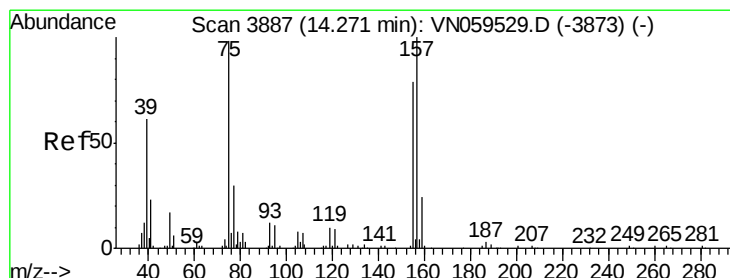
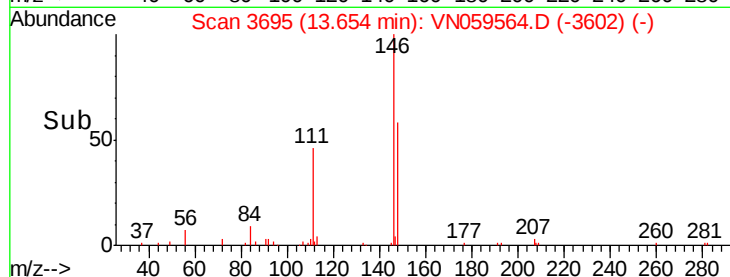
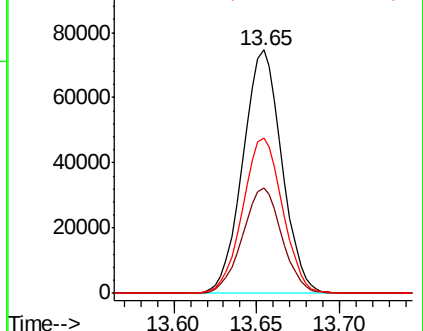
148 65.1 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.918 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

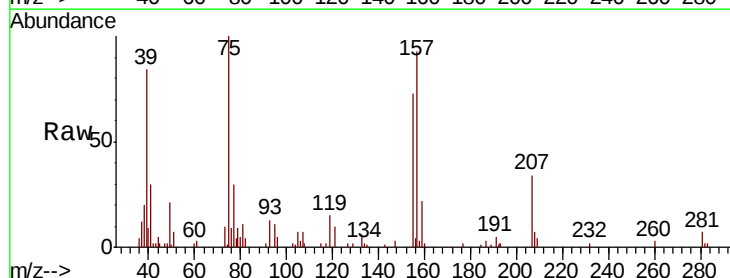
Tgt Ion: 75 Resp: 23263

Ion Ratio Lower Upper

75 100

155 69.9 40.4 121.1

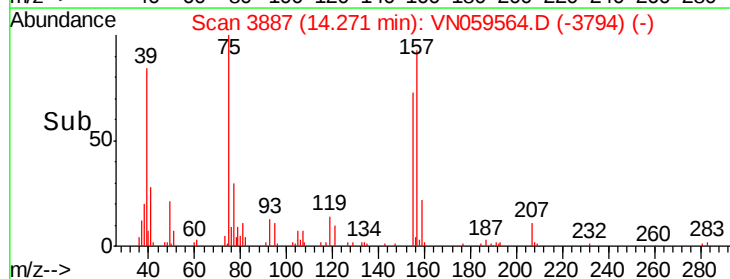
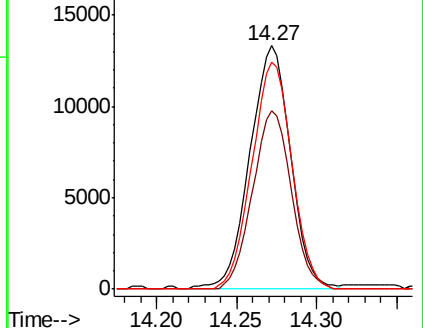
157 91.5 51.1 153.3

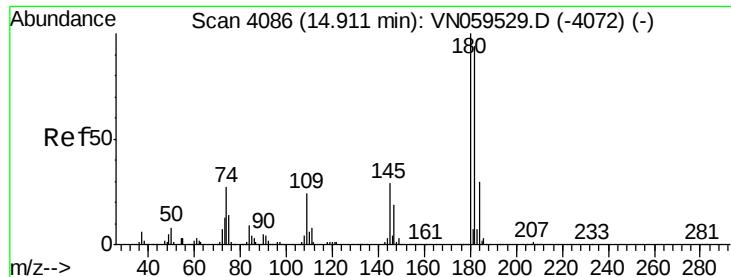


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

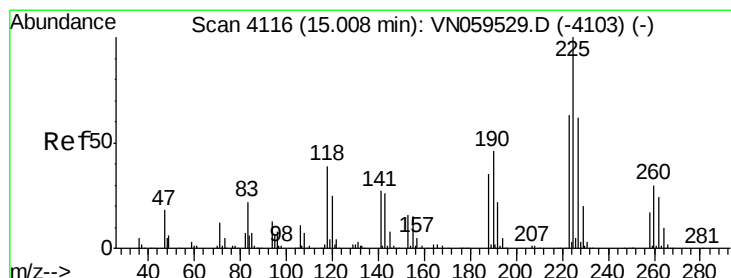
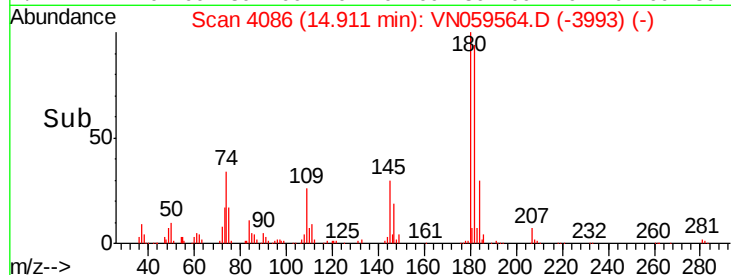
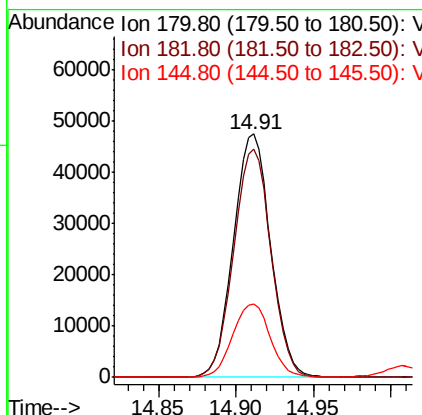
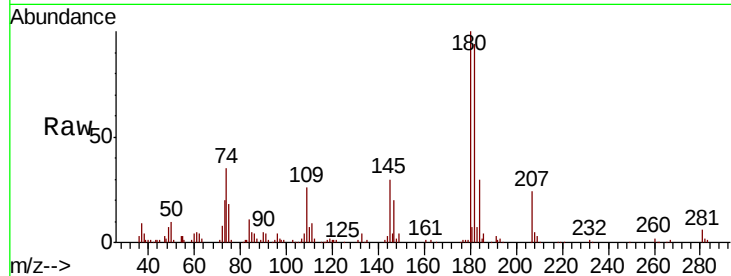




#93
 1,2,4-Trichlorobenzene
 Concen: 18.405 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

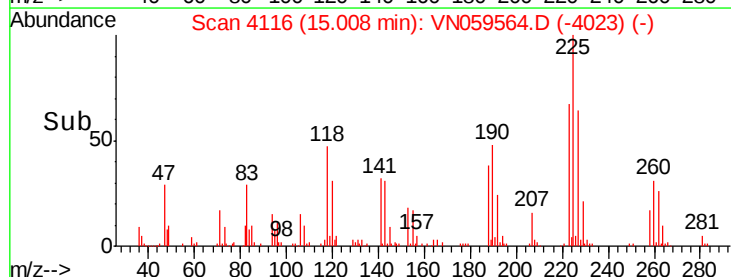
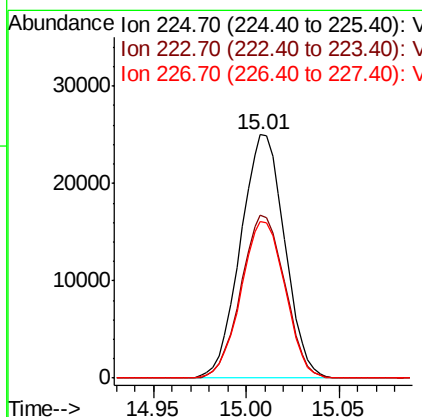
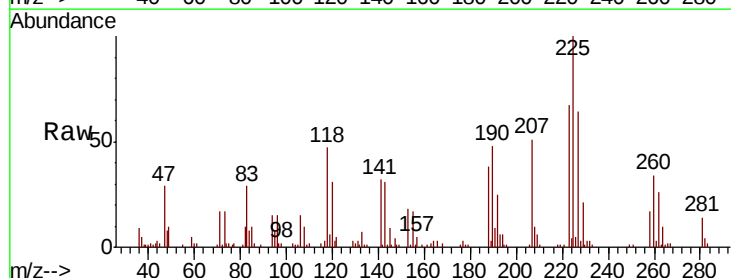
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1211WBSD01

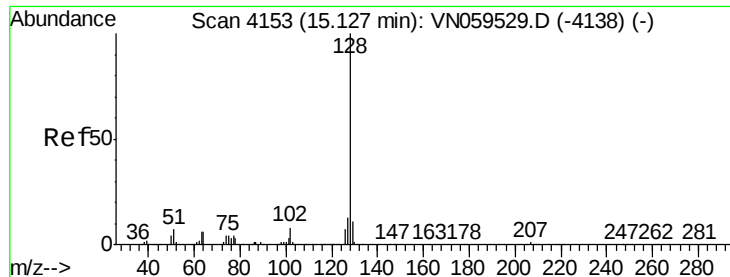
Tot Ion:180 Resp: 79235
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.3 142.0
 145 30.5 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.789 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059564.D
 Acq: 11 Dec 2019 16:08

Tgt Ion:225 Resp: 41323
 Ion Ratio Lower Upper
 225 100
 223 66.4 31.3 93.9
 227 64.2 31.6 95.0





#95

Naphthalene

Concen: 18.220 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1211WBSD01

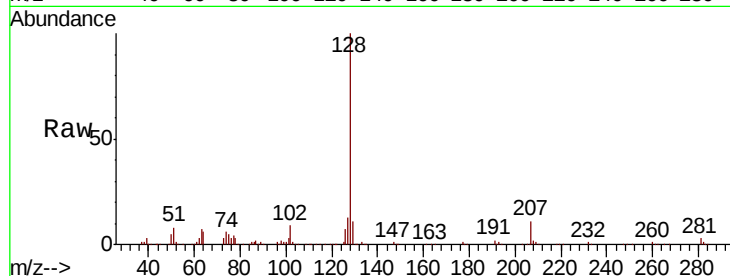
Tot Ion:128 Resp: 229284

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

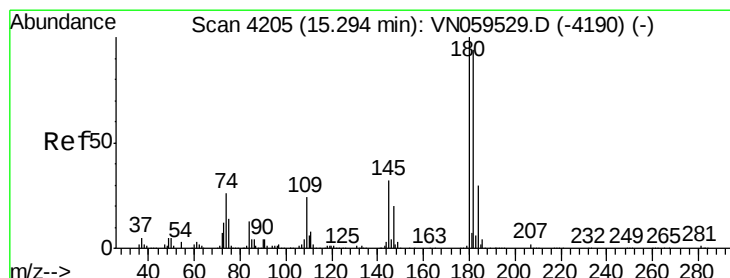
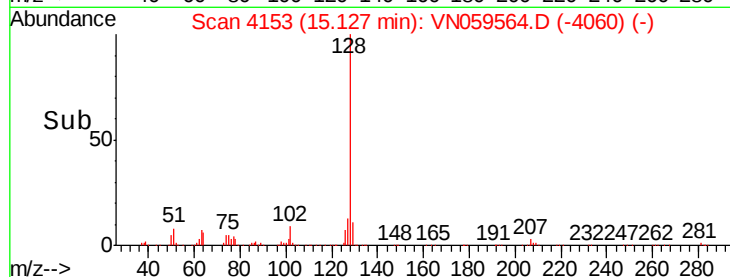
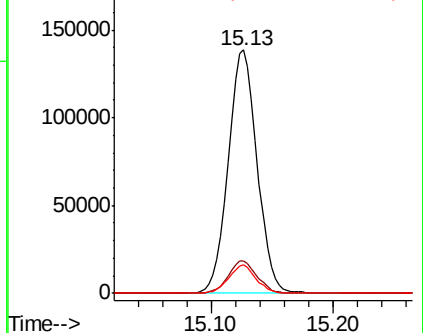
129 11.0 8.6 13.0



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: 20.398 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059564.D

Acq: 11 Dec 2019 16:08

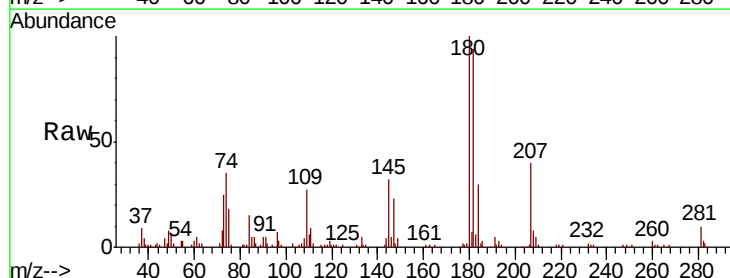
Tgt Ion:180 Resp: 79250

Ion Ratio Lower Upper

180 100

182 94.4 47.1 141.4

145 32.4 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

