

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052961.D
 Acq On : 18 Dec 2018 15:18
 Operator : MD\SY
 Sample : J6378-12MS 20X
 Misc : 3.98g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:06:41 PM

Quant Time: Dec 19 04:05:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1010049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1584008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1439373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	678613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	564431	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	7.59	113	385490	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.09	98	1947595	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	699458	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	476403	46.603	ug/l	99
3) Chloromethane	2.06	50	630177	50.872	ug/l	100
4) Vinyl Chloride	2.19	62	600688	47.880	ug/l	99
5) Bromomethane	2.56	94	390832	44.964	ug/l	99
6) Chloroethane	2.71	64	363996	48.989	ug/l	100
7) Trichlorofluoromethane	3.02	101	731374	46.797	ug/l	99
8) Diethyl Ether	3.41	74	315950	53.587	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	447563	44.915	ug/l	98
10) Methyl Iodide	3.96	142	721281	51.543	ug/l	99
11) Tert butyl alcohol	4.77	59	177915	284.473	ug/l	98
12) 1,1-Dichloroethene	3.74	96	449967	46.740	ug/l	100
13) Acrolein	3.61	56	157627	277.956	ug/l	99
14) Allyl chloride	4.33	41	692191	46.418	ug/l	98
15) Acrylonitrile	4.98	53	946917	272.532	ug/l	99
16) Acetone	3.81	43	617456	307.235	ug/l	97
17) Carbon Disulfide	4.06	76	1312916	41.818	ug/l	99
18) Methyl Acetate	4.32	43	519670	56.833	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1420786	55.149	ug/l	99
20) Methylene Chloride	4.55	84	553242	50.466	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	487287	47.111	ug/l	98
22) Diisopropyl ether	5.95	45	1708610	53.679	ug/l	96
23) Vinyl Acetate	5.90	43	4737190	258.818	ug/l	98
24) 1,1-Dichloroethane	5.85	63	953884	50.432	ug/l	99
25) 2-Butanone	6.83	43	996010	295.306	ug/l	97
26) 2,2-Dichloropropane	6.83	77	438845	30.394	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	581790	49.683	ug/l	96
28) Bromochloromethane	7.19	49	442024	53.932	ug/l	96
29) Tetrahydrofuran	7.21	42	700302	278.003	ug/l	98
30) Chloroform	7.37	83	939614	50.570	ug/l	100
31) Cyclohexane	7.65	56	819541	46.118	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	762982	48.204	ug/l	99
36) 1,1-Dichloropropene	7.79	75	685446	45.084	ug/l	100
37) Ethyl Acetate	6.93	43	468073	55.149	ug/l	98
38) Carbon Tetrachloride	7.77	117	647928	46.494	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	804276	43.546	ug/l	98
40) Benzene	8.04	78	2162882	47.827	ug/l	99
41) Methacrylonitrile	7.17	41	264881	54.013	ug/l	96
42) 1,2-Dichloroethane	8.12	62	668327	50.026	ug/l	99
43) Isopropyl Acetate	8.16	43	883695	53.884	ug/l	99
44) Trichloroethene	8.83	130	603867	46.166	ug/l	97
45) 1,2-Dichloropropane	9.12	63	584188	49.594	ug/l	99
46) Dibromomethane	9.21	93	343103	50.001	ug/l	99
47) Bromodichloromethane	9.40	83	721231	49.446	ug/l	99
48) Methyl methacrylate	9.20	41	442377	53.713	ug/l	99
49) 1,4-Dioxane	9.20	88	111050	1065.926	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	2305566	280.501	ug/l	99
52) Toluene	10.16	92	2272099	81.058	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	709267	46.242	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	811240	46.079	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	500112	51.141	ug/l	100
56) Ethyl methacrylate	10.43	69	700063	54.086	ug/l	97
57) 1,3-Dichloropropane	10.71	76	845265	50.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1907517	268.441	ug/l	98
59) 2-Hexanone	10.75	43	1564933	281.405	ug/l	99
60) Dibromochloromethane	10.90	129	560686	50.089	ug/l	100
61) 1,2-Dibromoethane	11.00	107	506955	51.045	ug/l	100
64) Tetrachloroethene	10.63	164	711854	45.656	ug/l	98
65) Chlorobenzene	11.43	112	1557817	48.824	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	535968	48.305	ug/l	99
67) Ethyl Benzene	11.51	91	2892840	52.720	ug/l	100
68) m/p-Xylenes	11.62	106	3031449	145.325	ug/l	99
69) o-Xylene	11.95	106	1208296	60.365	ug/l	100
70) Styrene	11.96	104	1599632	49.009	ug/l	98
71) Bromoform	12.13	173	400758	49.997	ug/l #	100
73) Isopropylbenzene	12.25	105	2527749	47.607	ug/l	100
74) N-amyl acetate	12.07	43	807905	54.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	553198	53.108	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	508044m	44.473	ug/l	
77) Bromobenzene	12.53	156	817200	59.210	ug/l	77
78) n-propylbenzene	12.59	91	2830336	46.805	ug/l	99
79) 2-Chlorotoluene	12.67	91	1689852	45.083	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2045146	47.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	158343	44.675	ug/l	96
82) 4-Chlorotoluene	12.77	91	1717785	46.816	ug/l	100
83) tert-Butylbenzene	12.99	119	1783719	46.603	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2115387	48.623	ug/l	100
85) sec-Butylbenzene	13.17	105	2356916	45.526	ug/l	99
86) p-Isopropyltoluene	13.29	119	2082145	46.545	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1143790	46.824	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1194830	48.300	ug/l	100
89) n-Butylbenzene	13.62	91	1702616	44.241	ug/l	99
90) Hexachloroethane	13.88	117	323830	47.172	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1081668	47.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91342	50.715	ug/l	99

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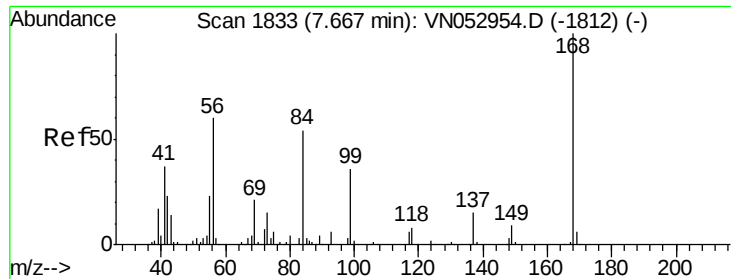
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	576115	47.332	ug/l	100
94) Hexachlorobutadiene	15.01	225	305266	48.307	ug/l	99
95) Naphthalene	15.13	128	1396316	52.279	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	524060	47.802	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052961.D

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MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:168 Resp: 1010049

Ion Ratio Lower Upper

168 100

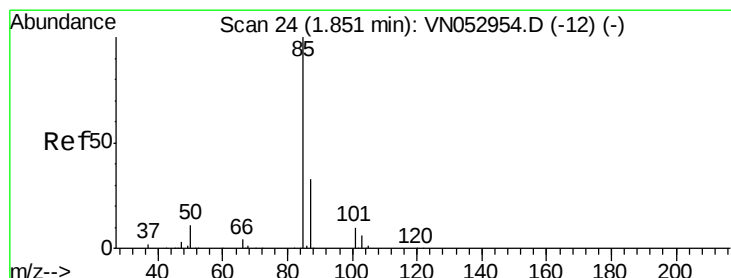
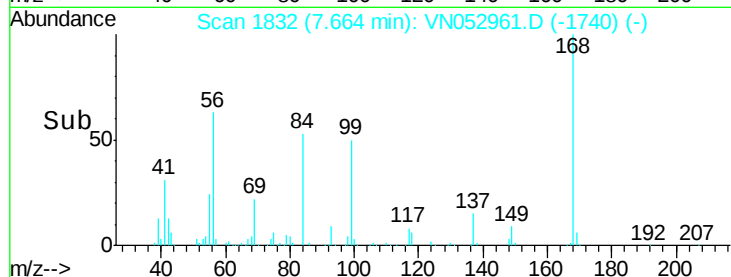
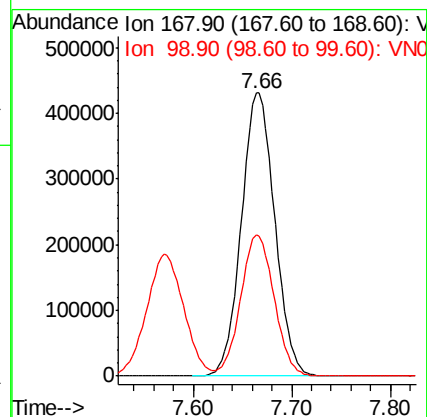
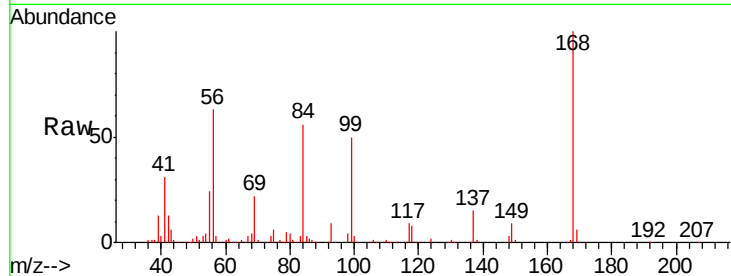
99 49.8 40.2 60.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.603 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052961.D

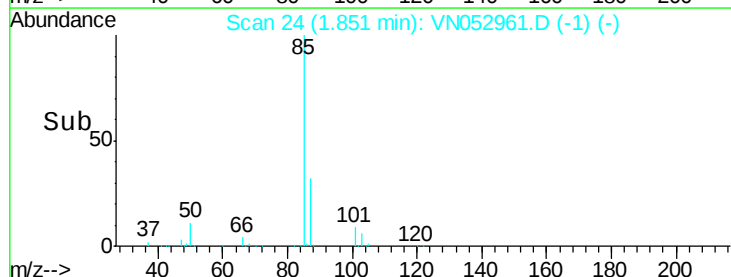
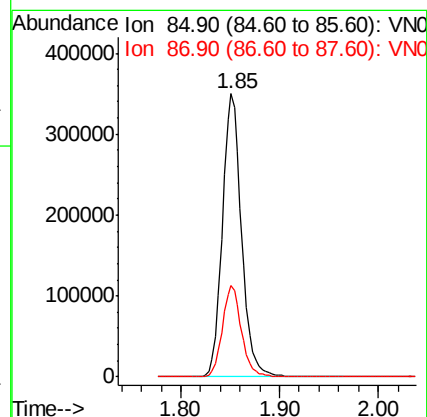
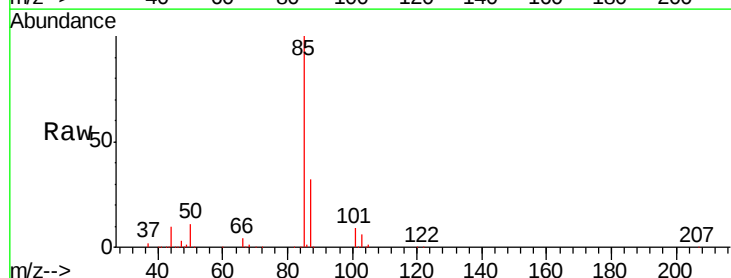
Acq: 18 Dec 2018 15:18

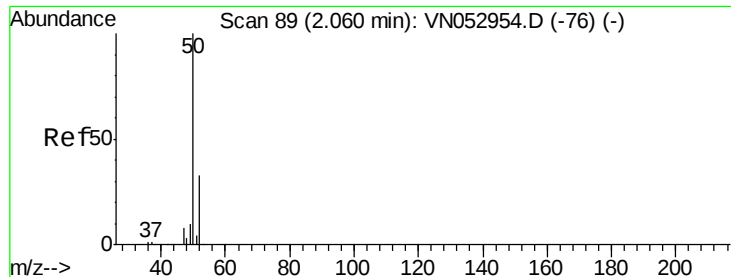
Tgt Ion: 85 Resp: 476403

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8





#3

Chloromethane

Concen: 50.872 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 50 Resp: 630177

Ion Ratio Lower Upper

50 100

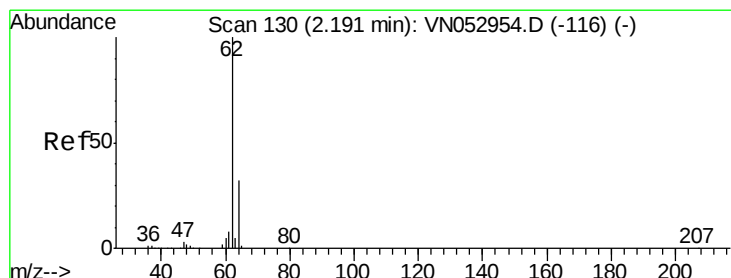
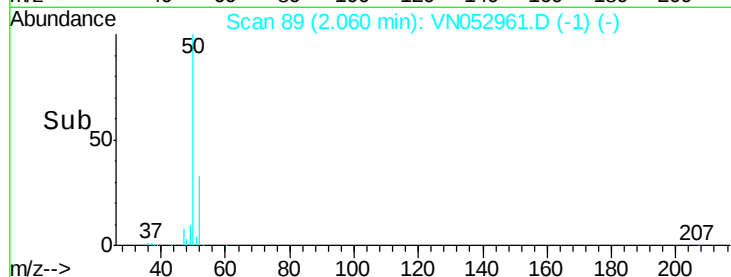
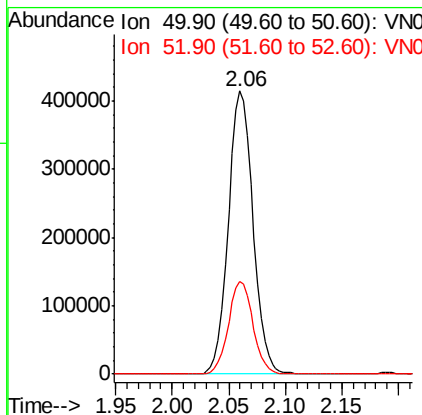
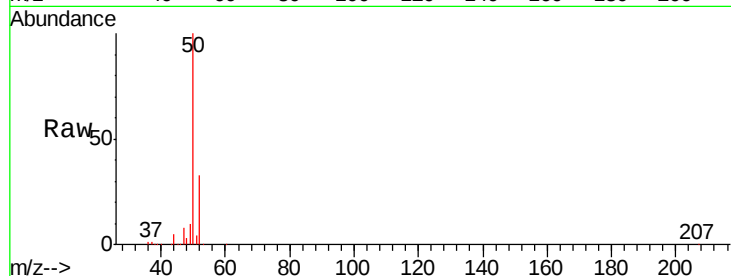
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.880 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052961.D

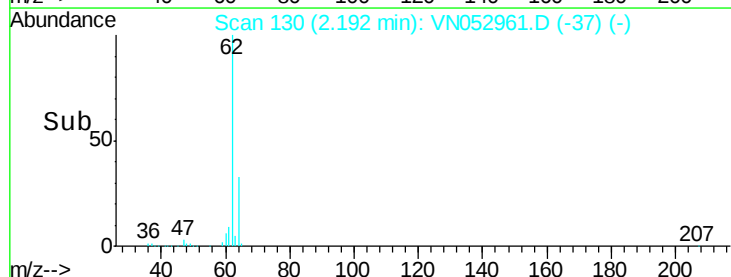
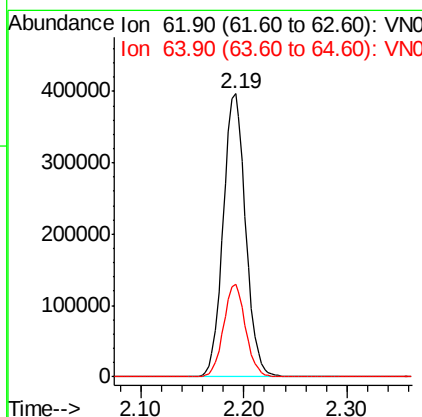
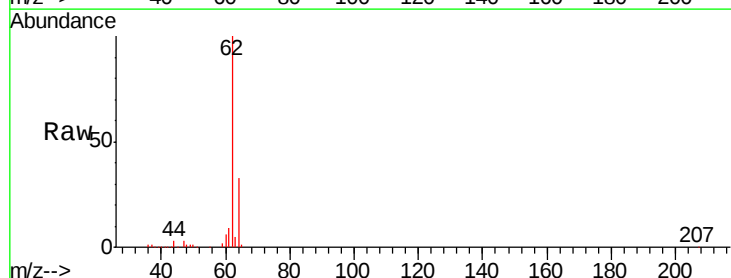
Acq: 18 Dec 2018 15:18

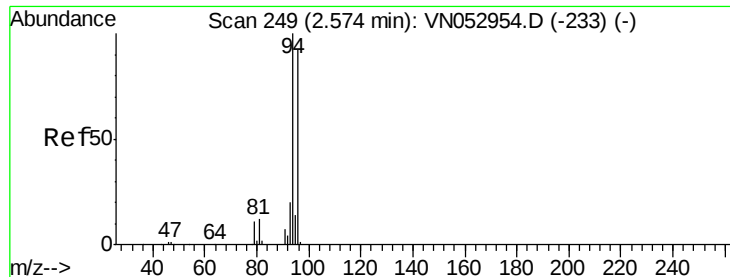
Tgt Ion: 62 Resp: 600688

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 44.964 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

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Tgt Ion: 94 Resp: 390832

Ion Ratio Lower Upper

94 100

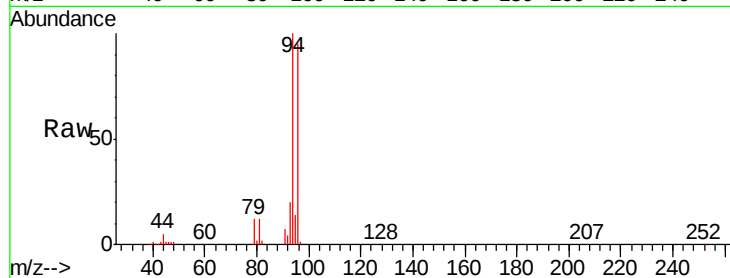
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Manual Integrations

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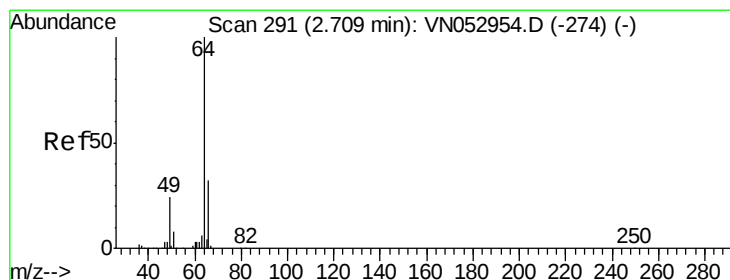
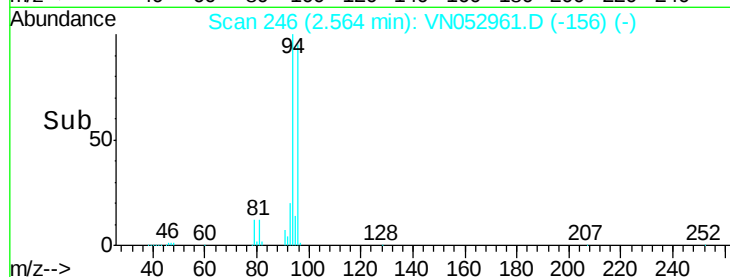
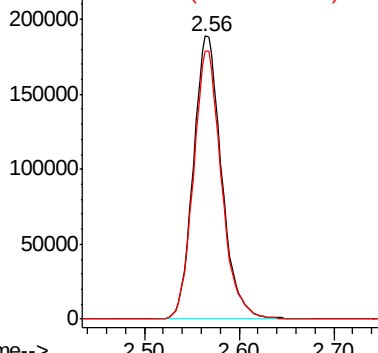
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.989 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052961.D

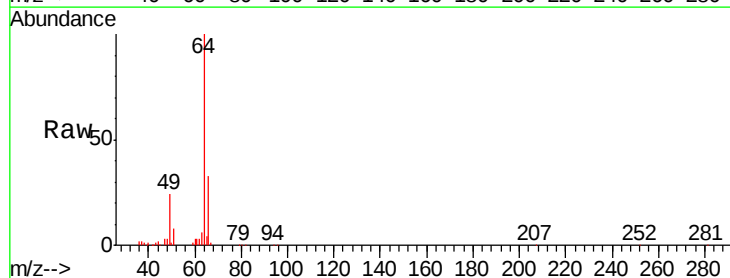
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Tgt Ion: 64 Resp: 363996

Ion Ratio Lower Upper

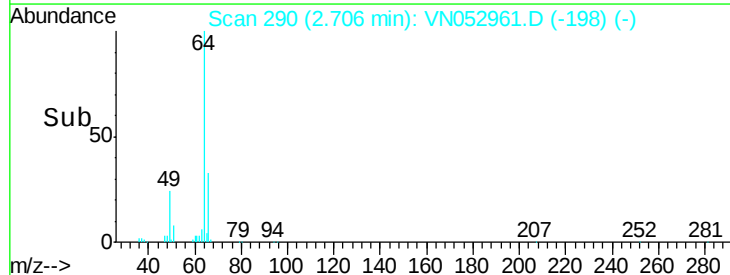
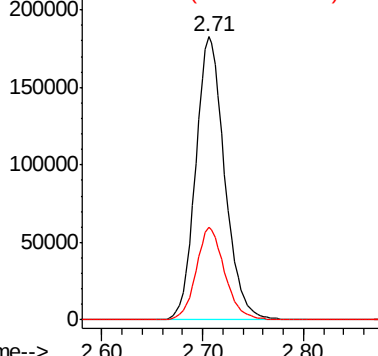
64 100

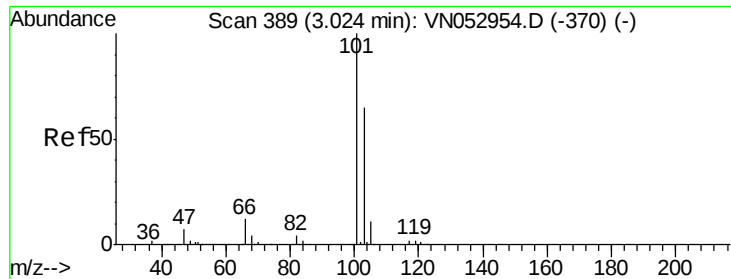
66 32.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

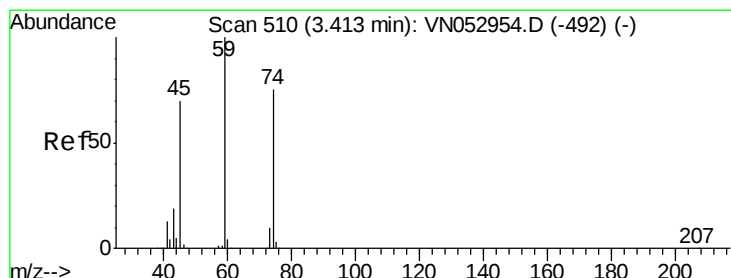
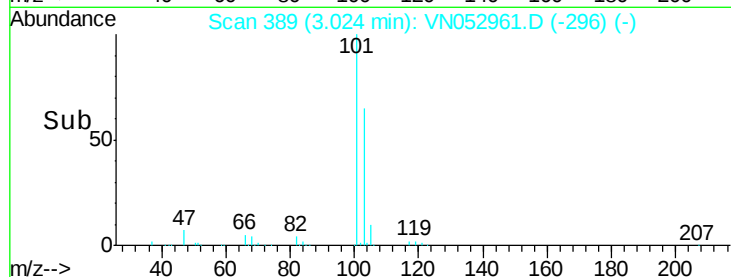
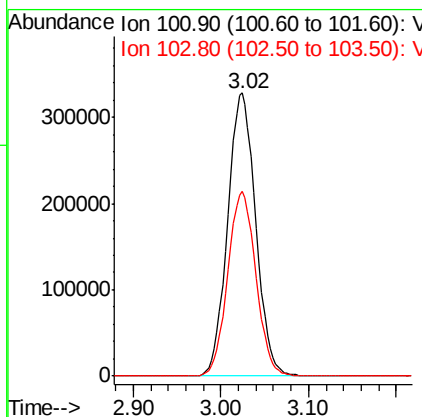
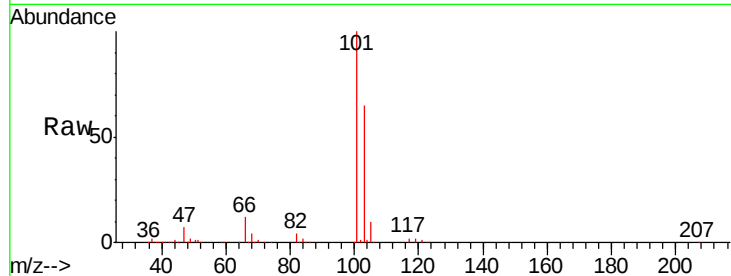
Trichlorofluoromethane
Concen: 46.797 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

Manual Integrations
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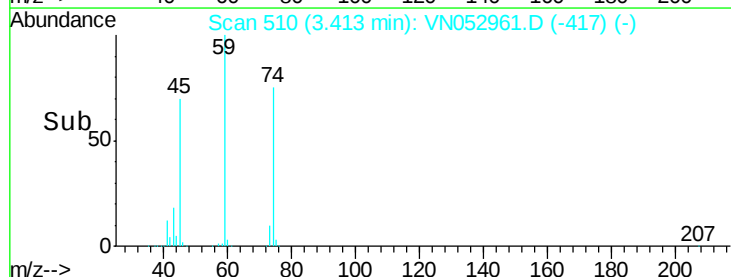
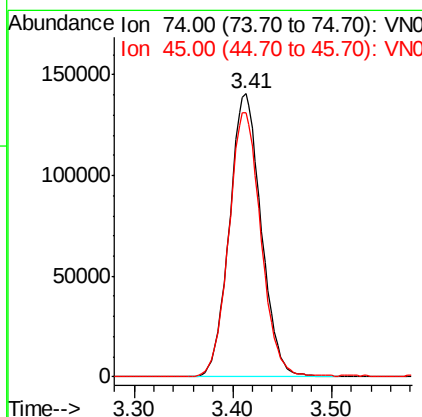
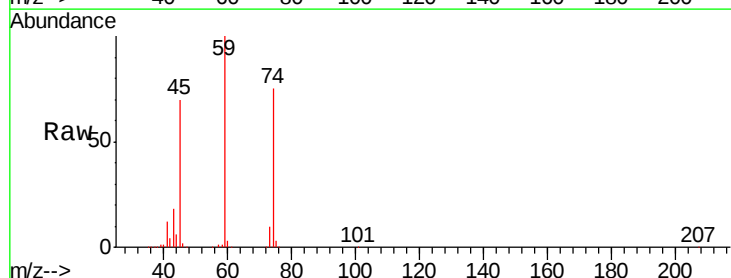
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12/19/2018 12:06:41 PM

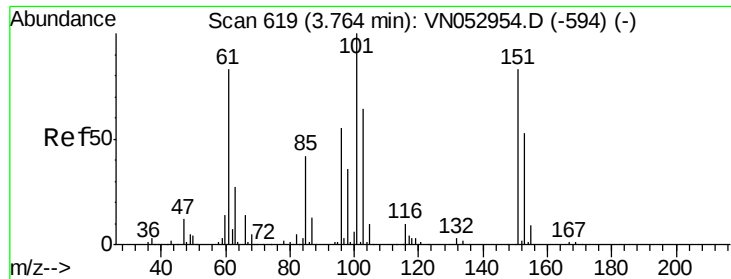


#8

Diethyl Ether
Concen: 53.587 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.915 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

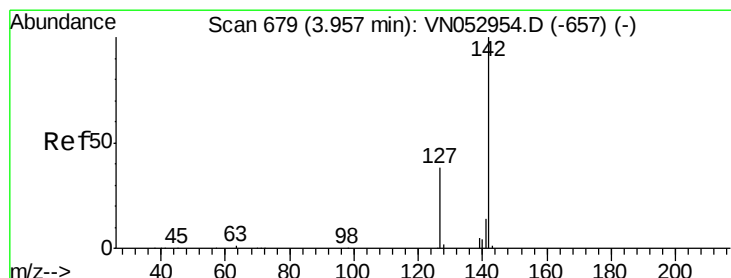
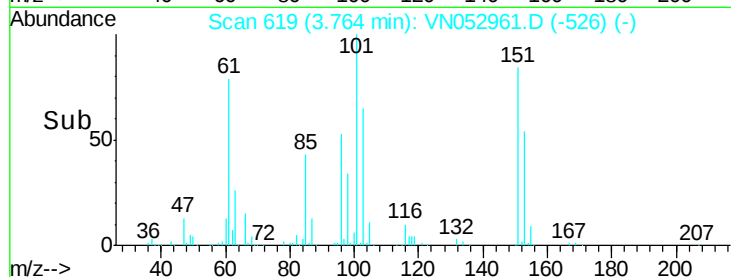
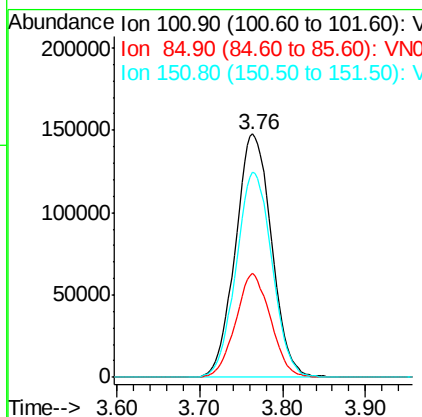
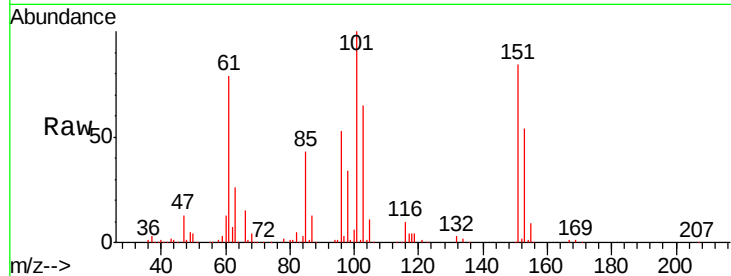
ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:	101	Resp:	447563
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.6	50.4
151	83.8	65.5	98.3

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#10

Methyl Iodide

Concen: 51.543 ug/l

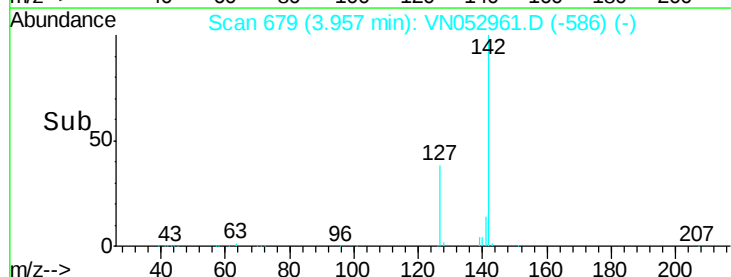
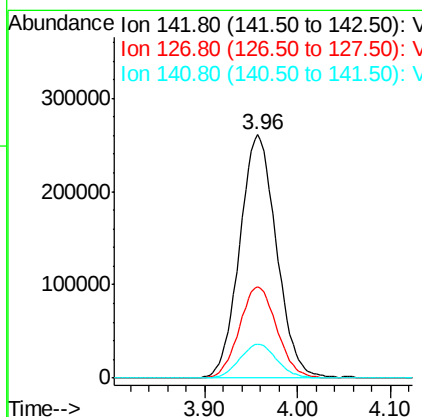
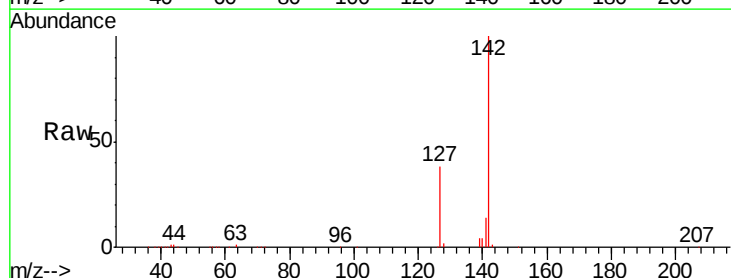
RT: 3.96 min Scan# 679

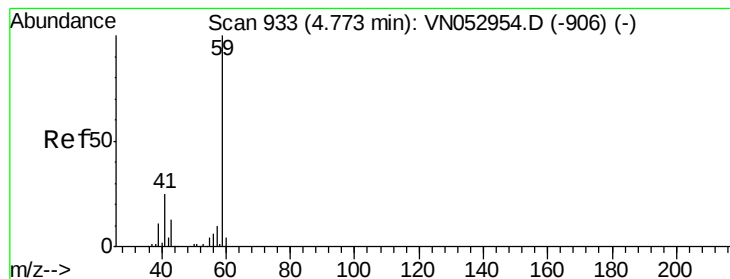
Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Tgt Ion:	142	Resp:	721281
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.6
141	14.0	11.2	16.8





#11

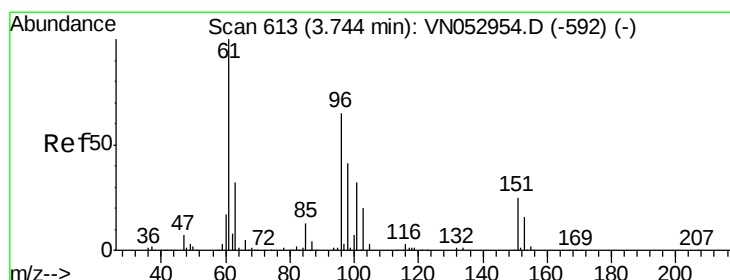
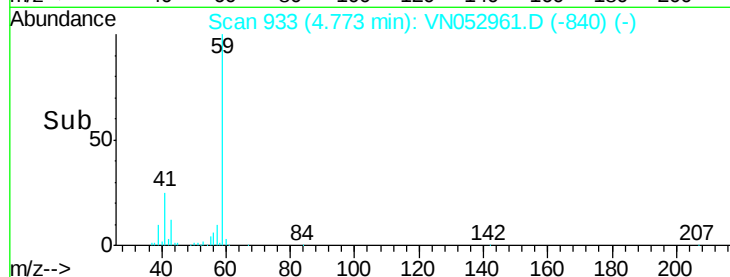
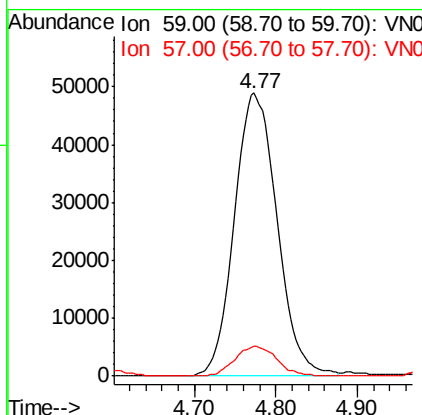
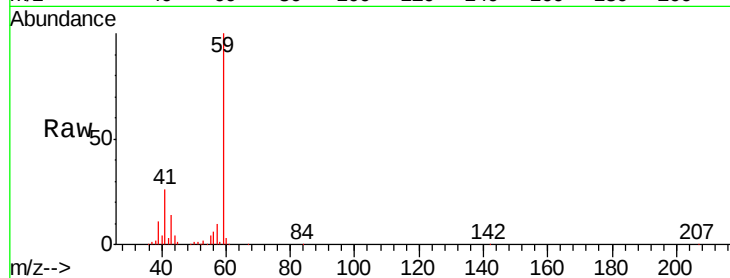
Tert butyl alcohol
Concen: 284.473 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 59 Resp: 177915
Ion Ratio Lower Upper
59 100
57 10.4 7.7 11.5

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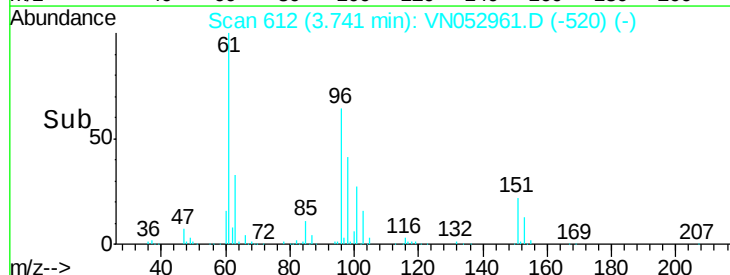
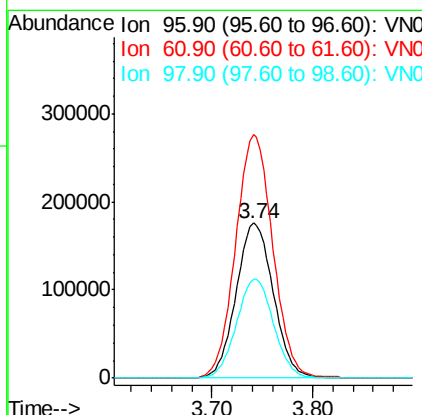
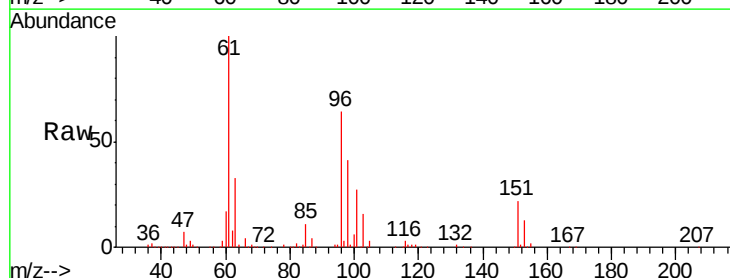
MMDadoda
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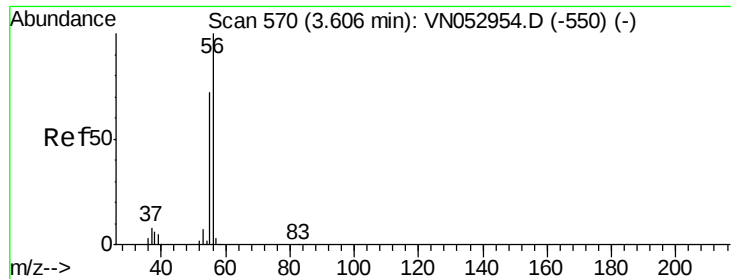


#12

1,1-Dichloroethene
Concen: 46.740 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 96 Resp: 449967
Ion Ratio Lower Upper
96 100
61 157.2 125.6 188.4
98 63.9 50.6 75.8





#13

Acrolein

Concen: 277.956 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 56 Resp: 157627

Ion Ratio Lower Upper

56 100

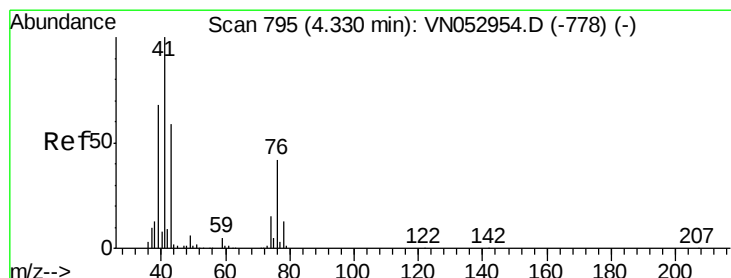
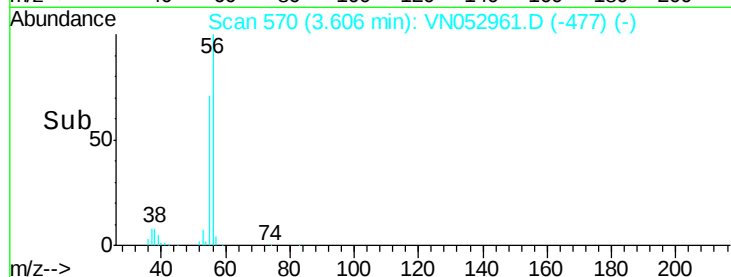
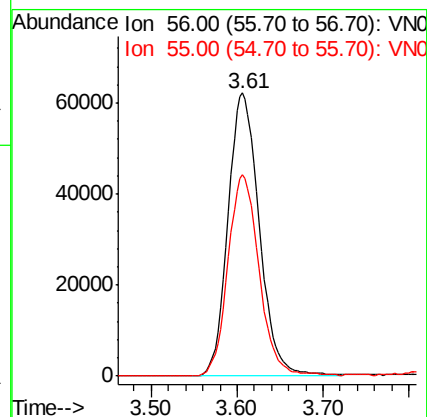
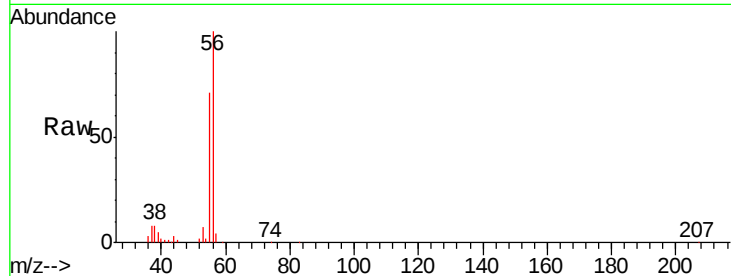
55 70.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 46.418 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

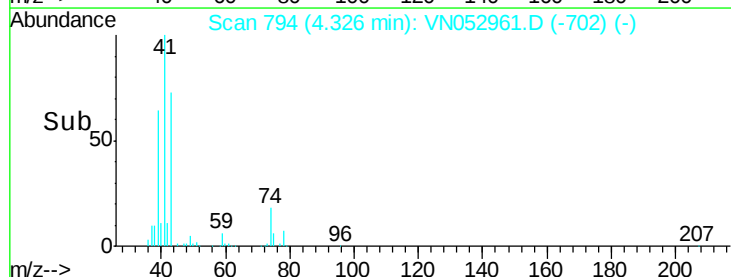
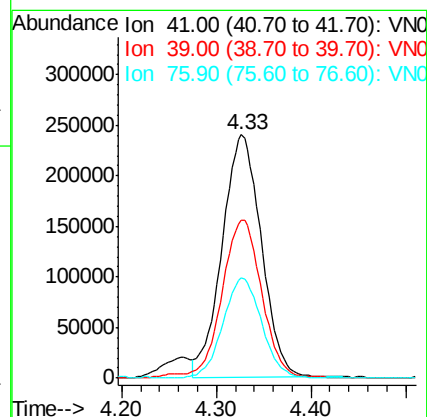
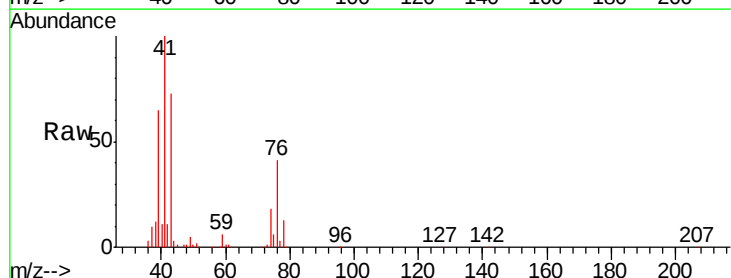
Tgt Ion: 41 Resp: 692191

Ion Ratio Lower Upper

41 100

39 66.8 54.1 81.1

76 40.0 30.3 45.5





#15

Acrylonitrile

Concen: 272.532 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

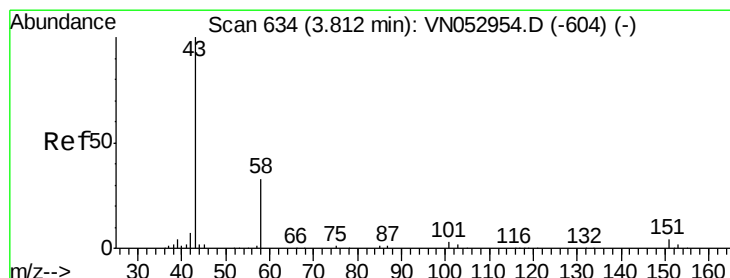
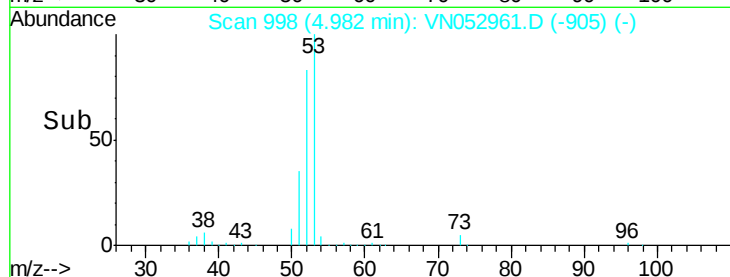
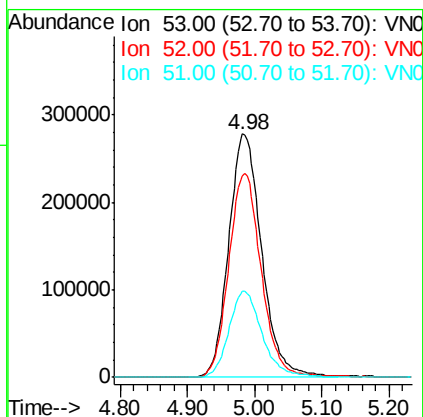
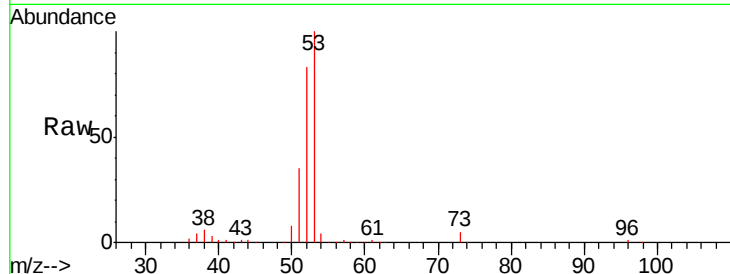
ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:	53	Resp:	946917
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.1	97.7
51	35.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 307.235 ug/l

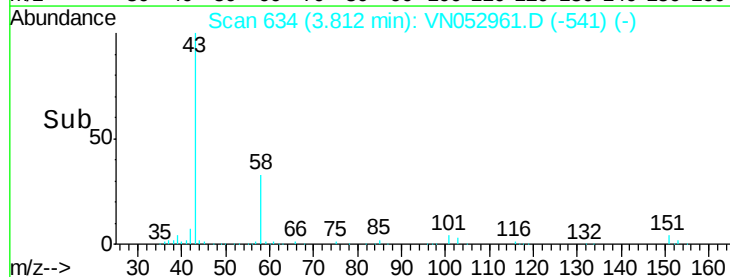
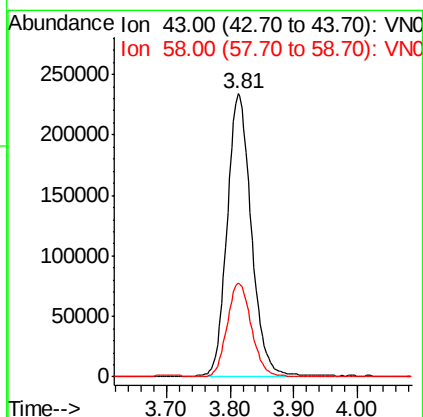
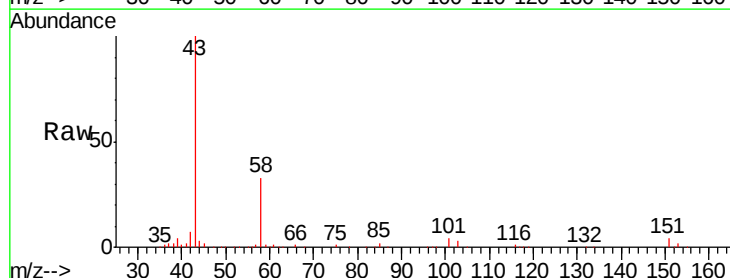
RT: 3.81 min Scan# 634

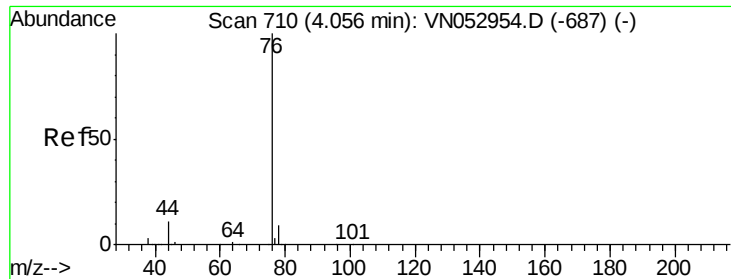
Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Tgt Ion:	43	Resp:	617456
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.0





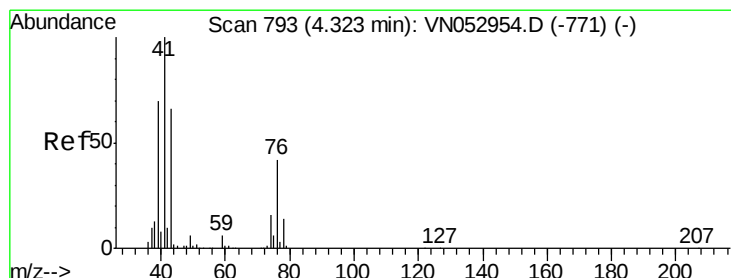
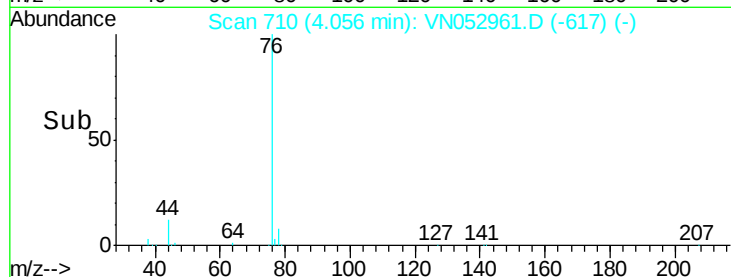
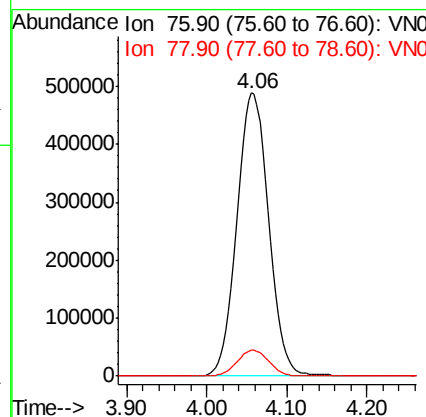
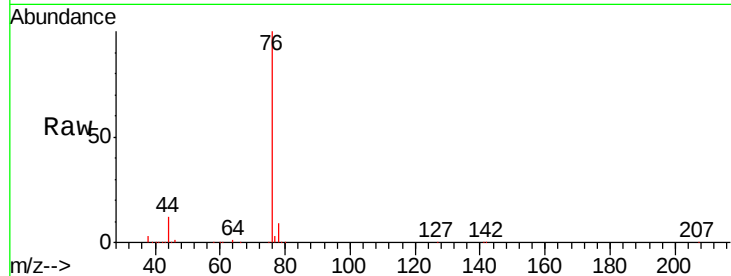
#17
Carbon Disulfide
Concen: 41.818 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 76 Resp: 1312916
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

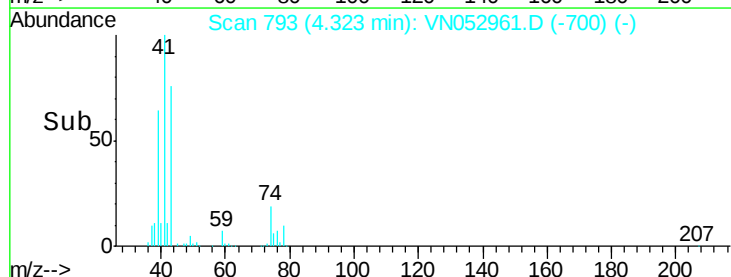
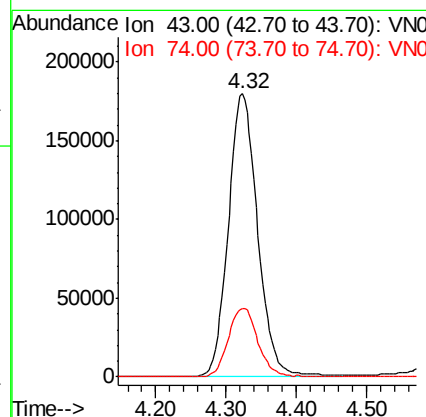
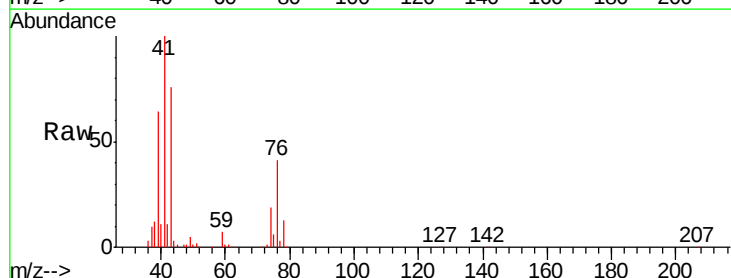
Manual Integrations
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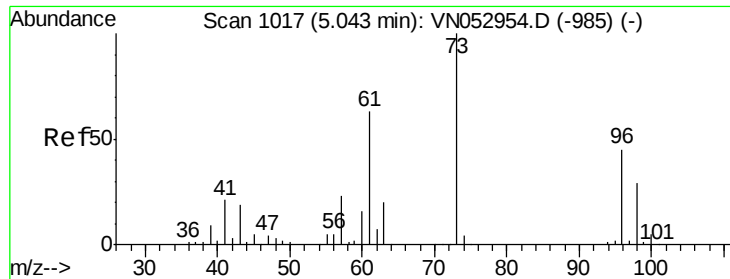
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#18
Methyl Acetate
Concen: 56.833 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 43 Resp: 519670
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





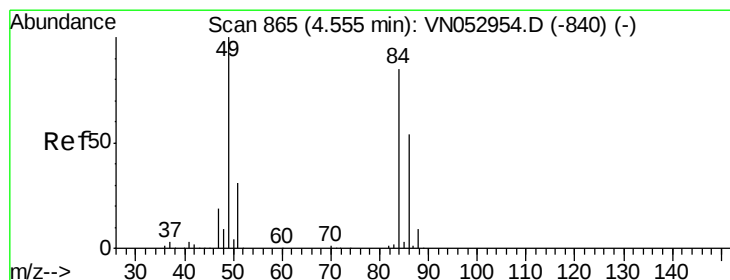
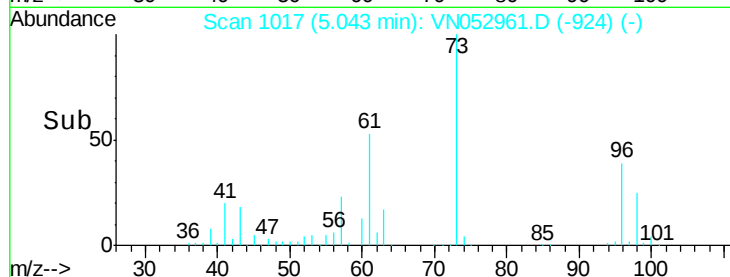
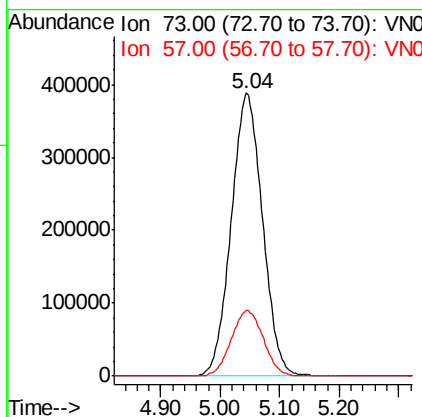
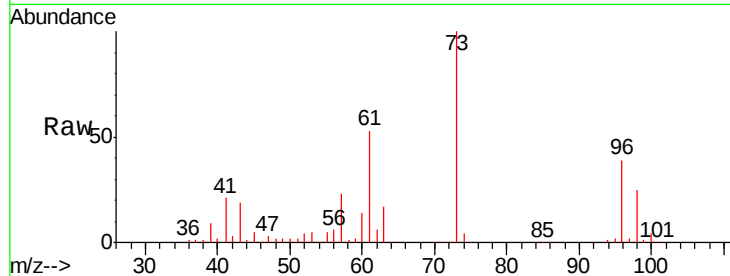
#19
Methyl tert-butyl Ether
Concen: 55.149 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 73 Resp: 1420786
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6

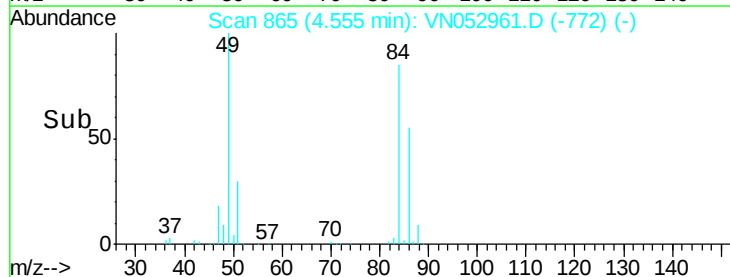
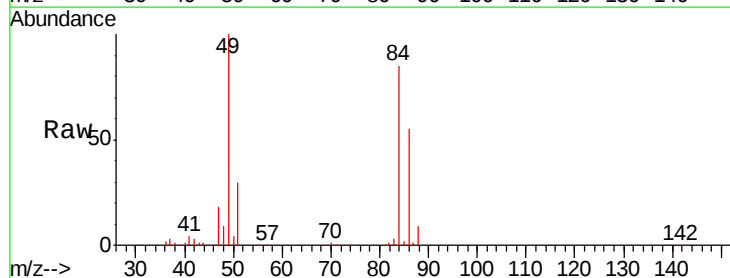
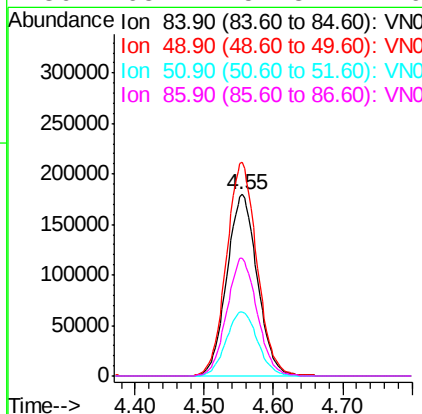
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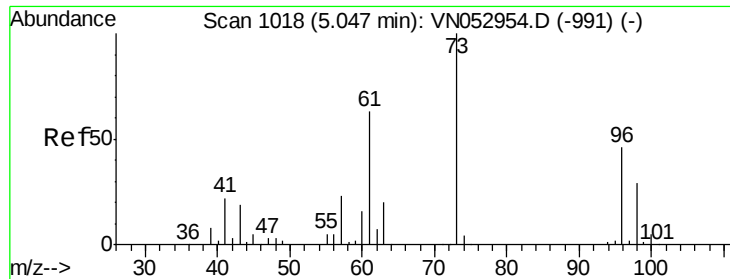
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#20
Methylene Chloride
Concen: 50.466 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 84 Resp: 553242
Ion Ratio Lower Upper
84 100
49 117.9 96.8 145.2
51 35.6 29.9 44.9
86 65.1 51.8 77.6





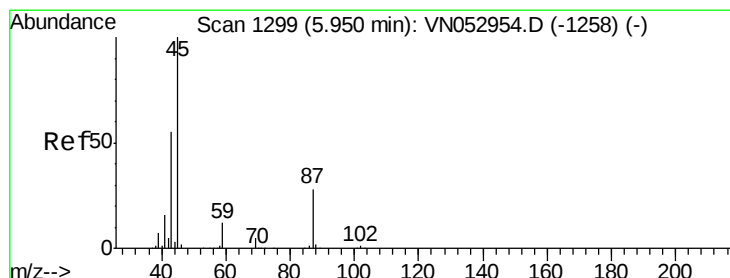
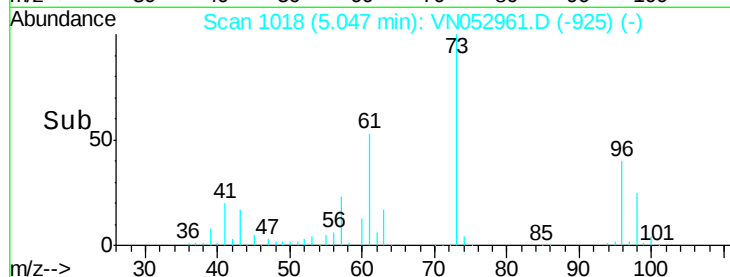
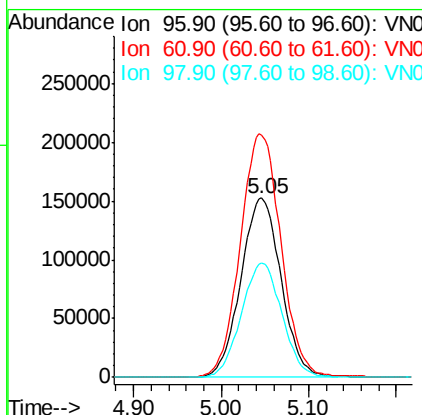
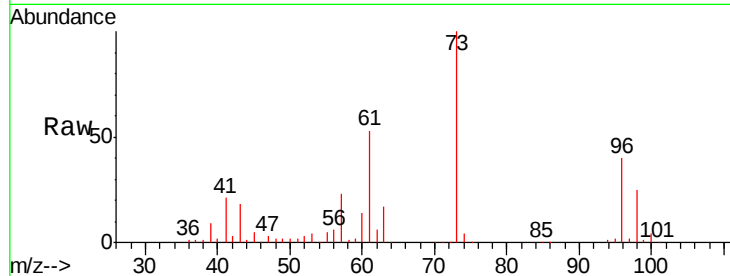
#21
trans-1,2-Dichloroethene
Concen: 47.111 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.0	110.8	166.2
98	63.7	51.4	77.2

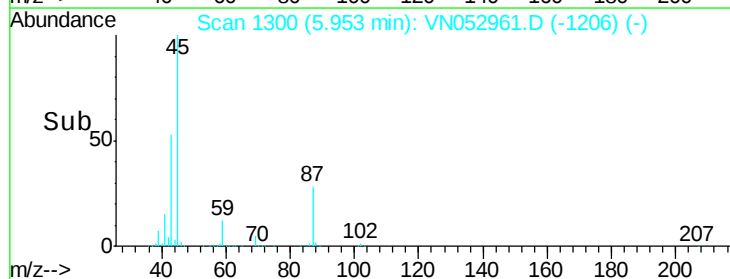
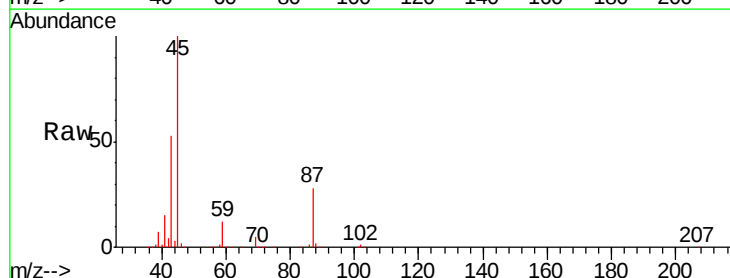
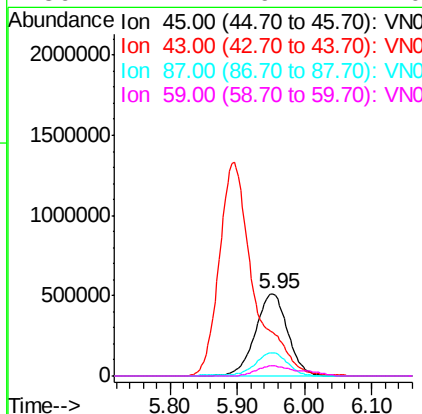
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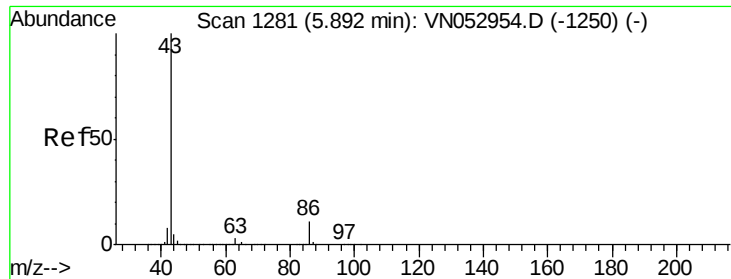
MMDadoda
12/19/2018 12:06:41 PM



#22
Diisopropyl ether
Concen: 53.679 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.2	45.5	68.3
87	28.2	22.0	33.0
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 258.818 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 43 Resp: 4737190

Ion Ratio Lower Upper

43 100

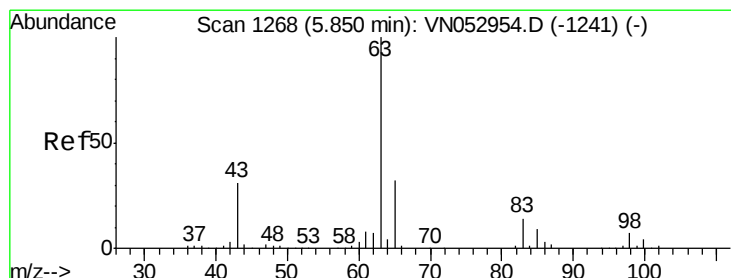
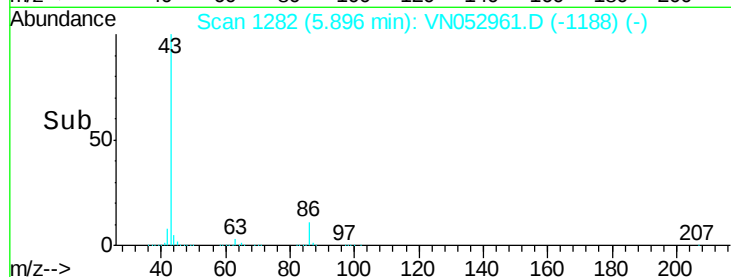
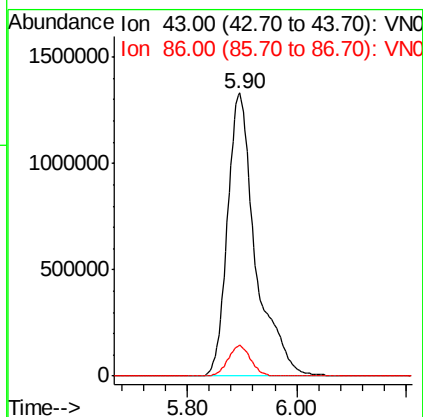
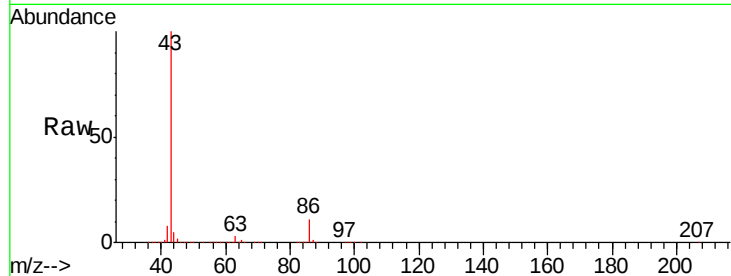
86 10.9 8.1 12.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.432 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

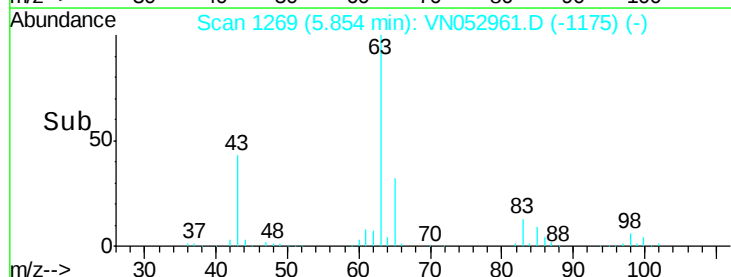
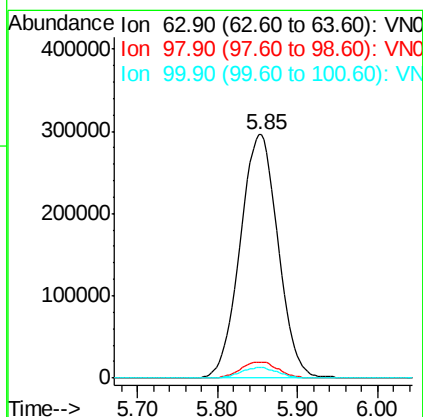
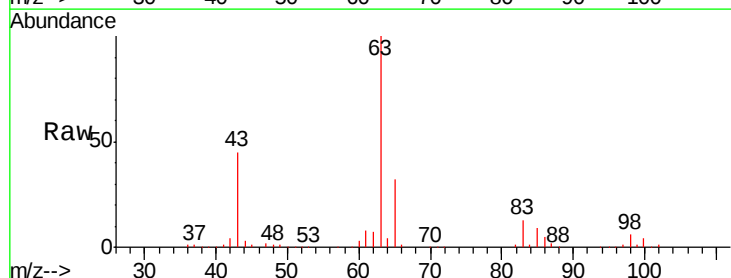
Tgt Ion: 63 Resp: 953884

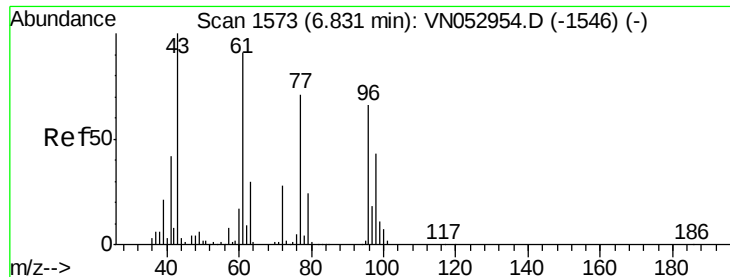
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.4 2.0 5.8





#25

2-Butanone

Concen: 295.306 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 43 Resp: 996010

Ion Ratio Lower Upper

43 100

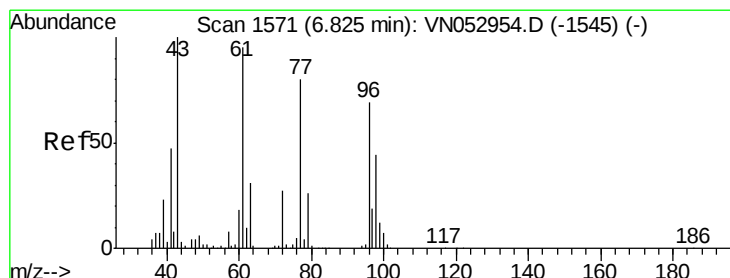
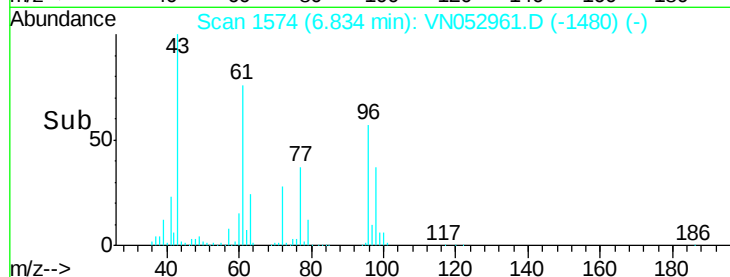
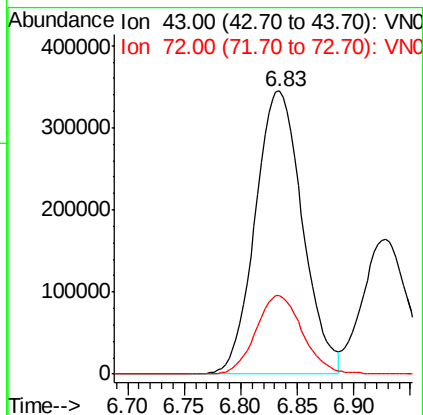
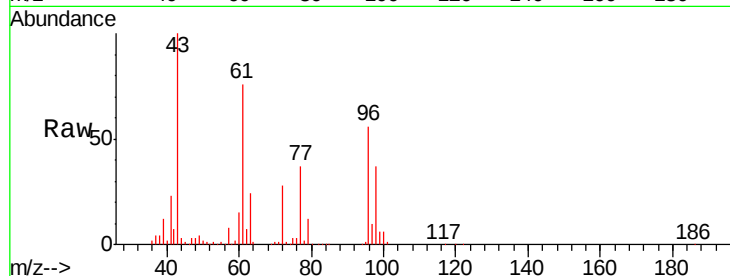
72 27.8 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 30.394 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052961.D

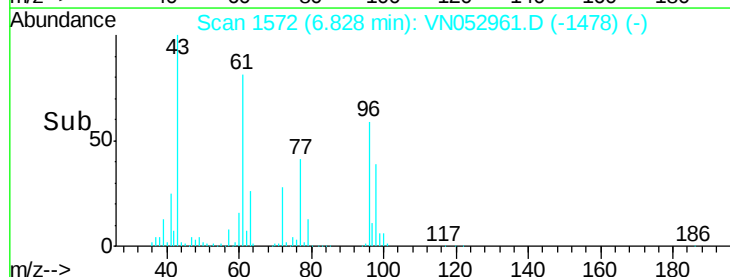
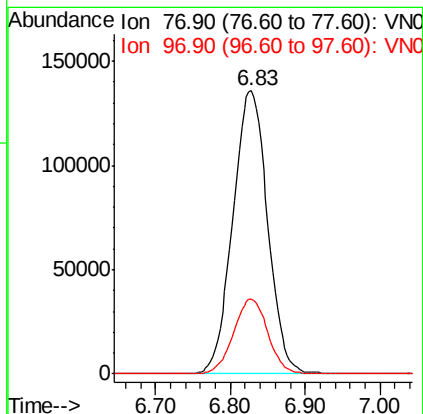
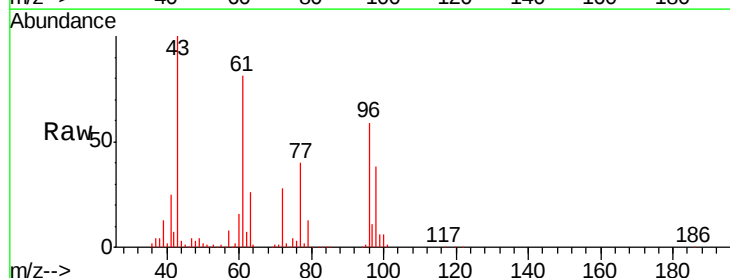
Acq: 18 Dec 2018 15:18

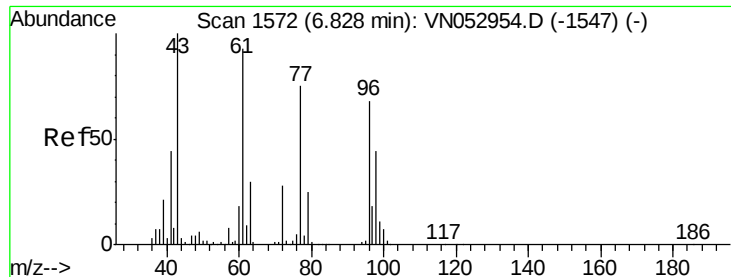
Tgt Ion: 77 Resp: 438845

Ion Ratio Lower Upper

77 100

97 26.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.683 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

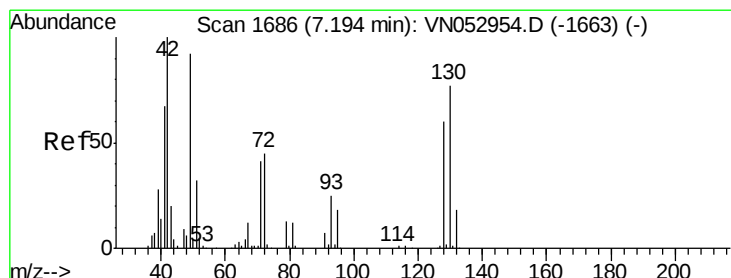
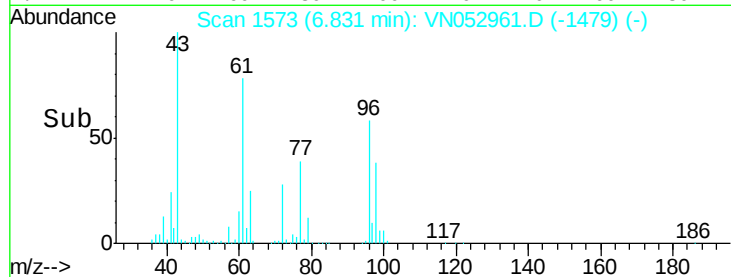
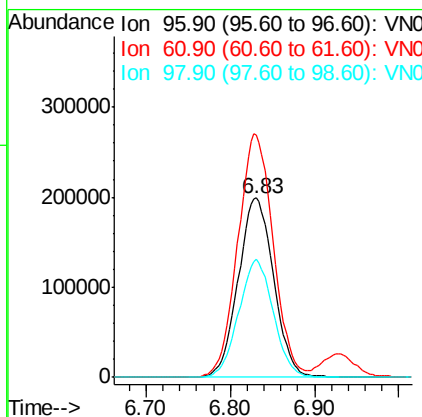
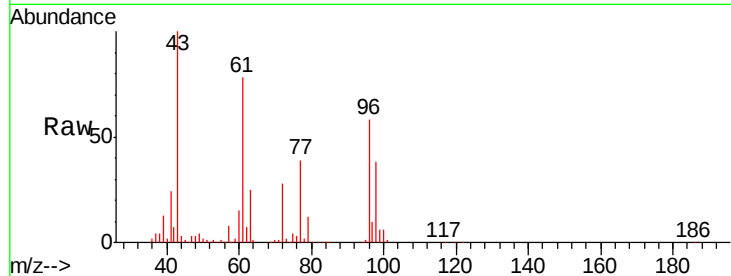
ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:	96	Resp:	581790
Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	284.2
98	64.2	0.0	129.2

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#28

Bromochloromethane

Concen: 53.932 ug/l

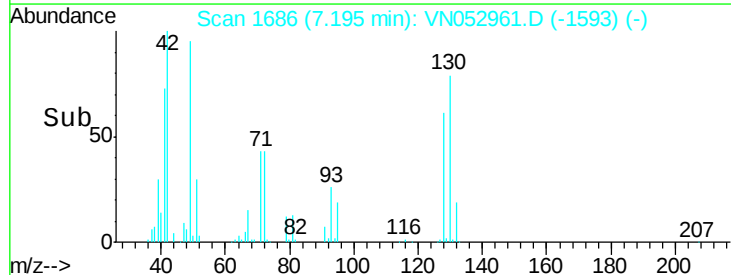
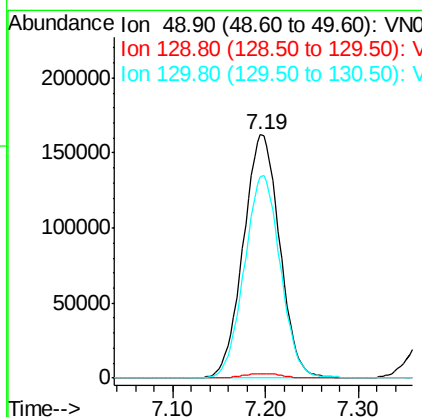
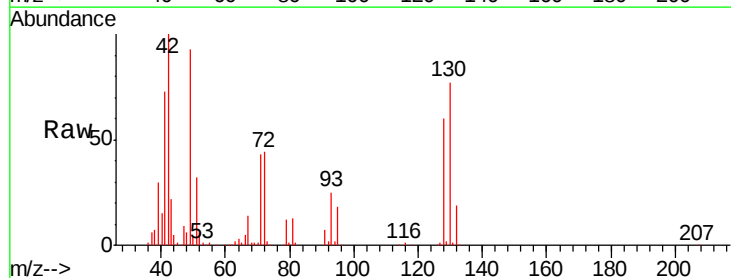
RT: 7.19 min Scan# 1686

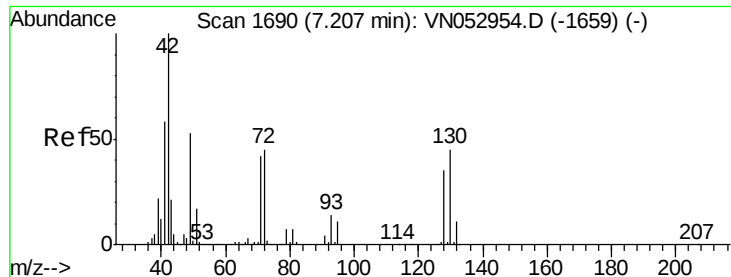
Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Tgt Ion:	49	Resp:	442024
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.8	63.3	94.9





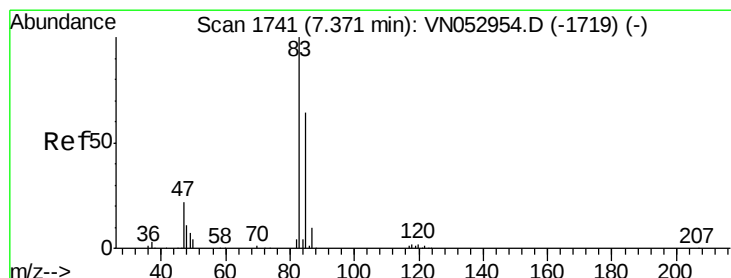
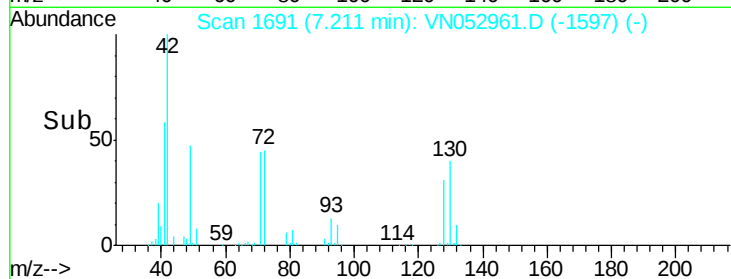
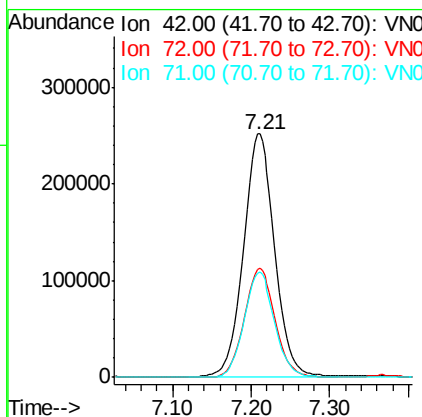
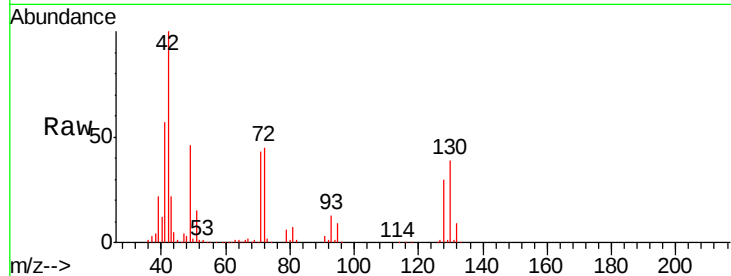
#29
Tetrahydrofuran
Concen: 278.003 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.7	52.1
71	42.4	32.3	48.5

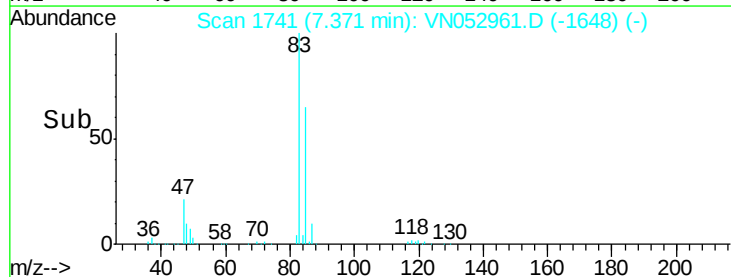
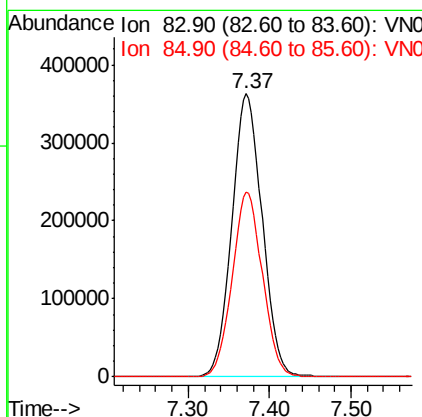
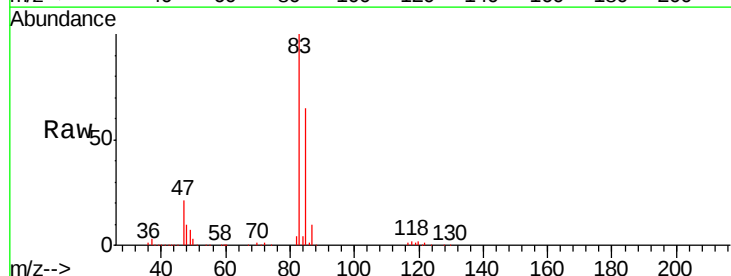
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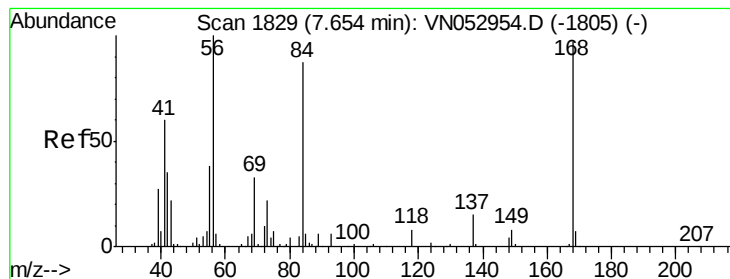
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#30
Chloroform
Concen: 50.570 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.1	78.1





#31

Cyclohexane

Concen: 46.118 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 56 Resp: 819541
Ion Ratio Lower Upper

56 100

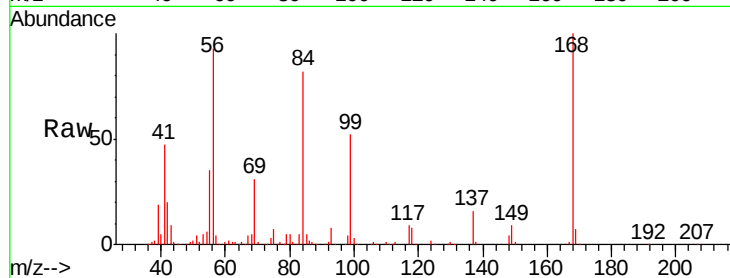
69 33.3 26.6 39.8

84 86.1 68.4 102.6

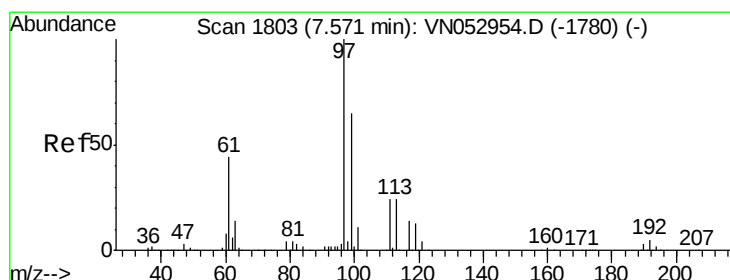
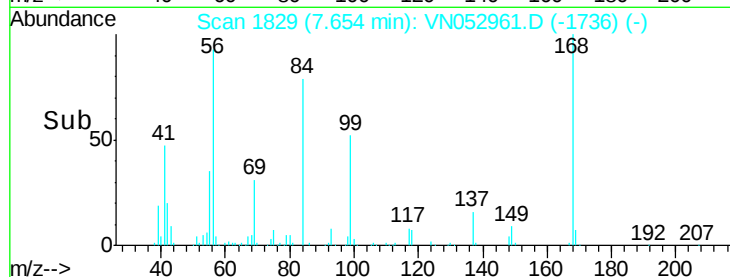
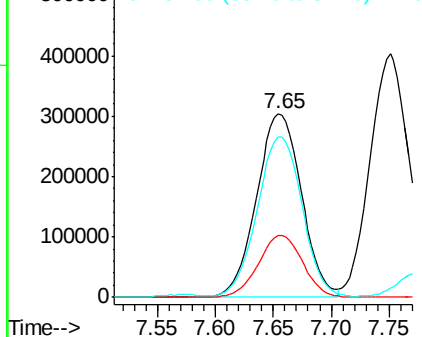
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.204 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN052961.D

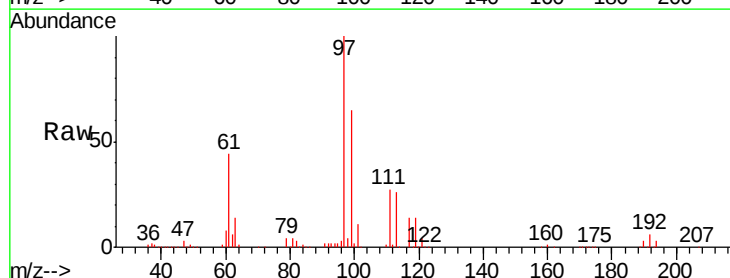
Acq: 18 Dec 2018 15:18

Tgt Ion: 97 Resp: 762982
Ion Ratio Lower Upper

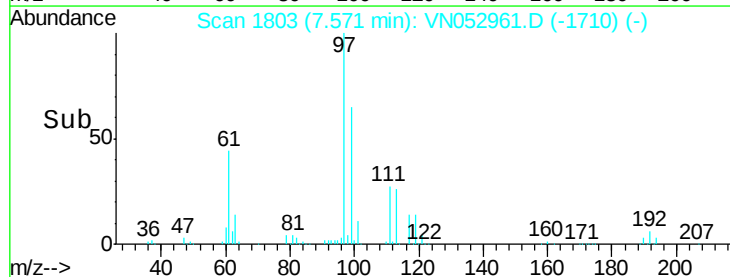
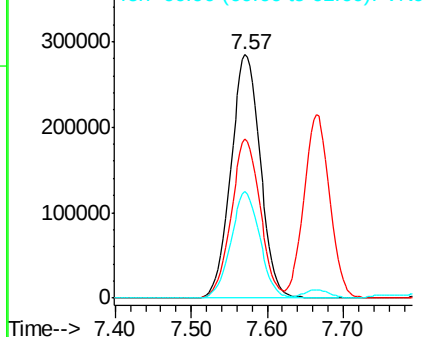
97 100

99 64.4 51.1 76.7

61 43.1 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





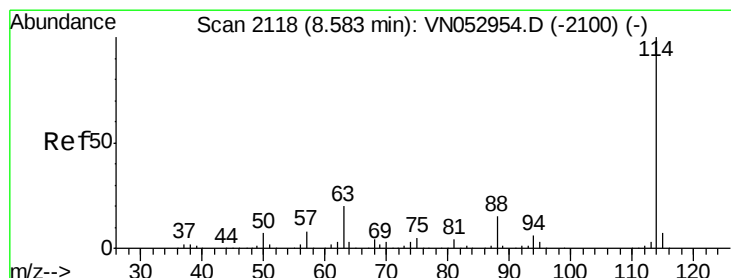
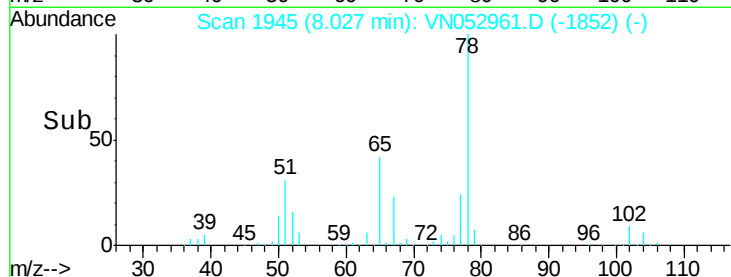
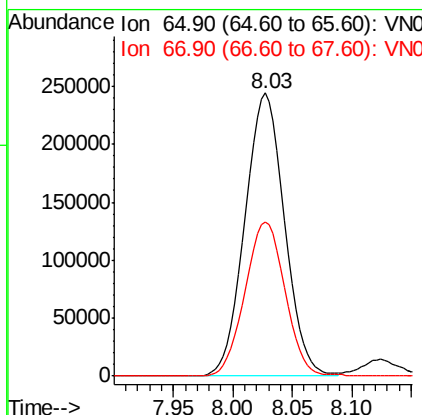
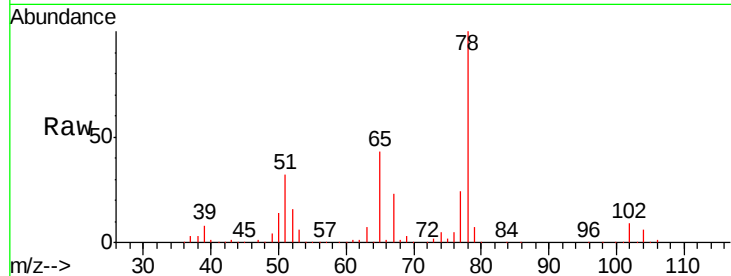
#33
 1,2-Dichloroethane-d4
 Concen: 48.204 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion: 65 Resp: 564431
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4

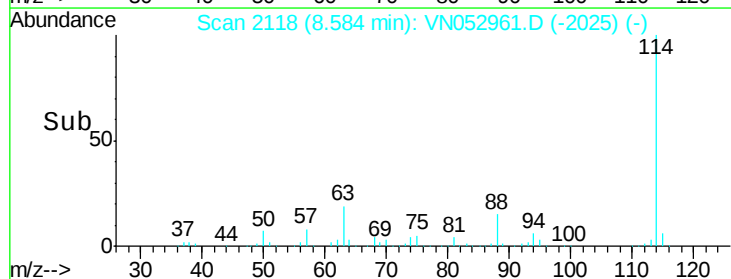
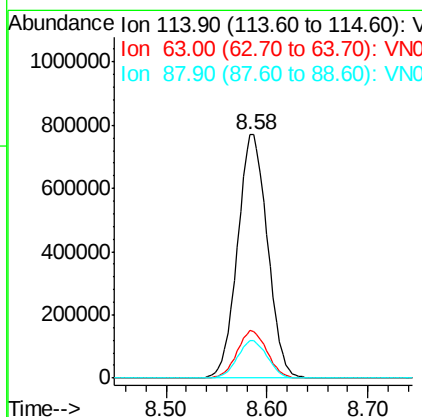
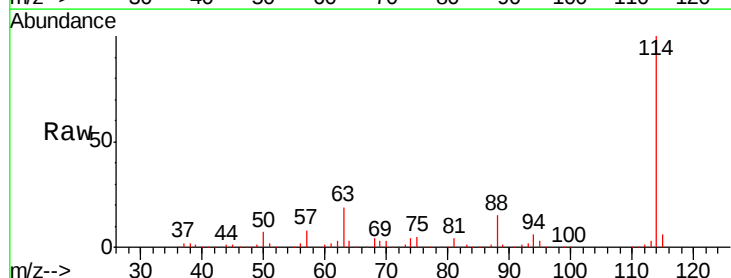
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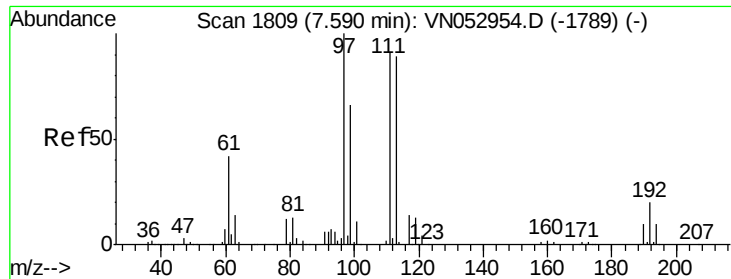
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion: 114 Resp: 1584008
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.5 0.0 31.0





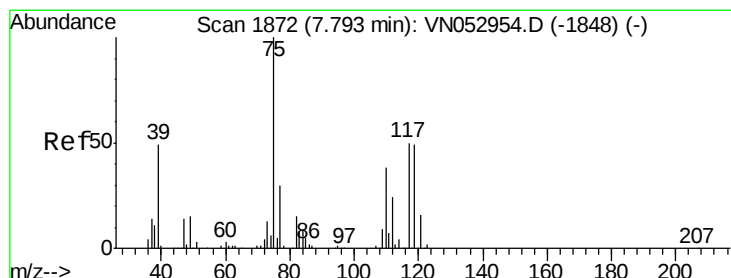
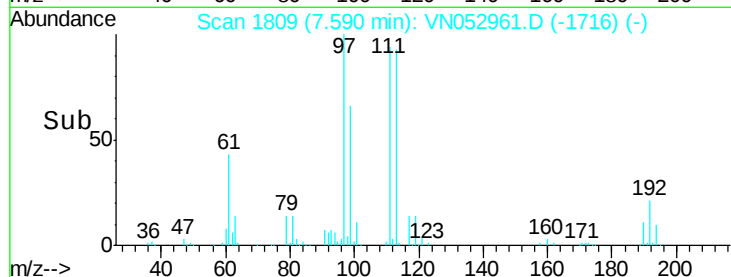
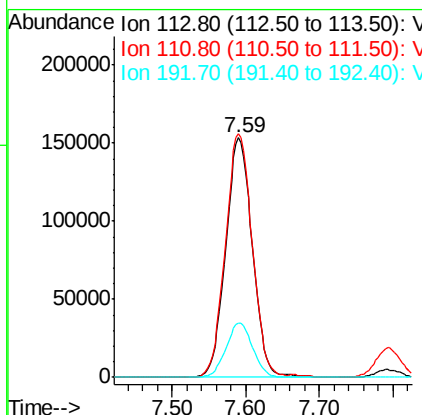
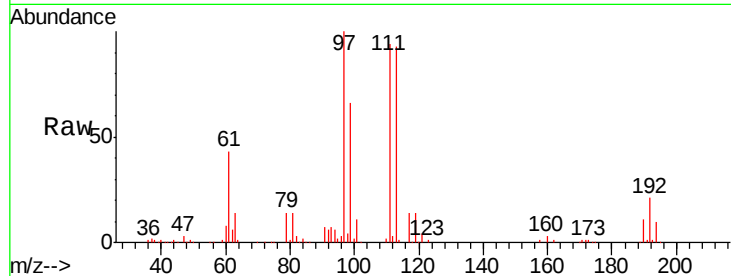
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	385490		
111	102.1	83.0	124.4	
192	22.6	17.5	26.3	

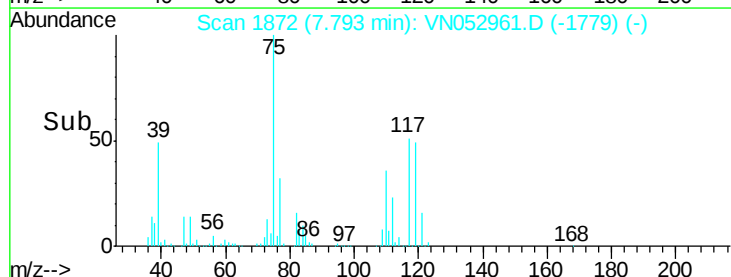
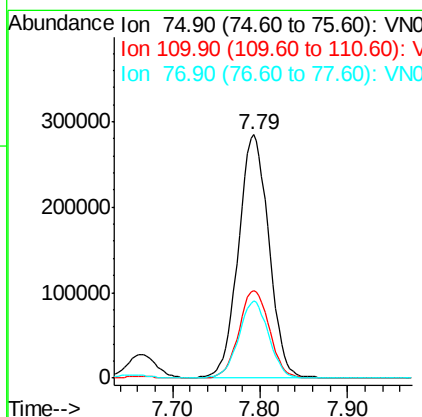
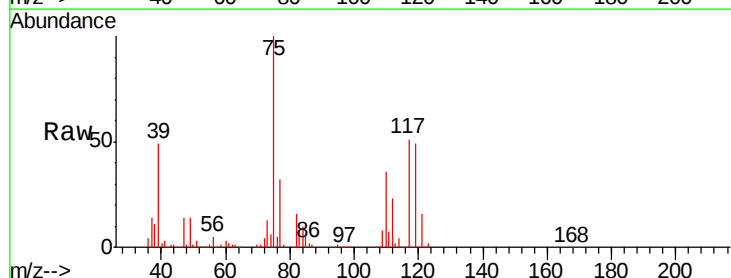
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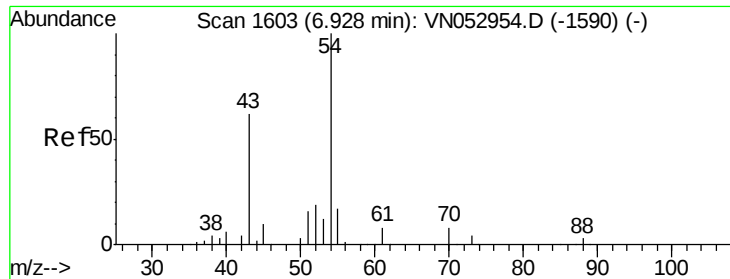
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#36
 1,1-Dichloropropene
 Concen: 45.084 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	685446		
110	36.2	18.2	54.6	
77	31.5	24.9	37.3	





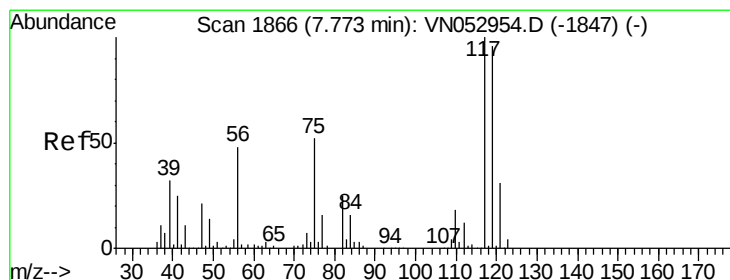
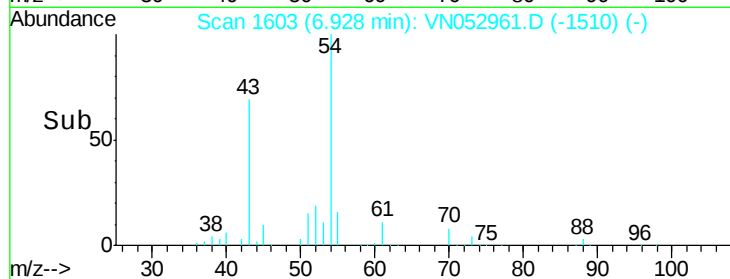
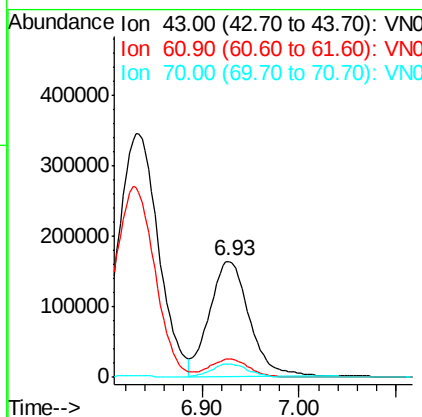
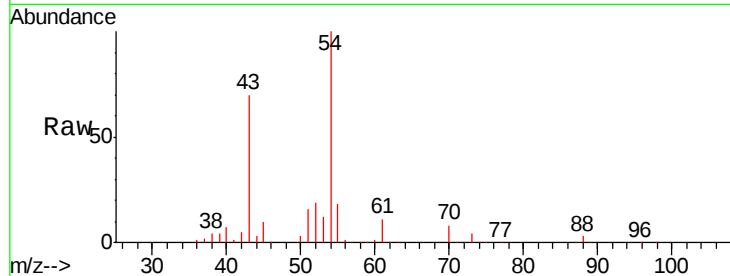
#37
Ethyl Acetate
Concen: 55.149 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 43 Resp: 468073
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 11.0 8.4 12.6

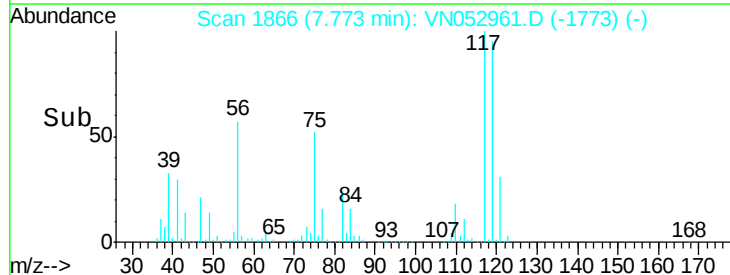
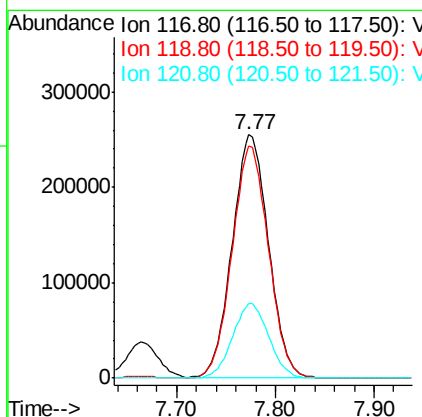
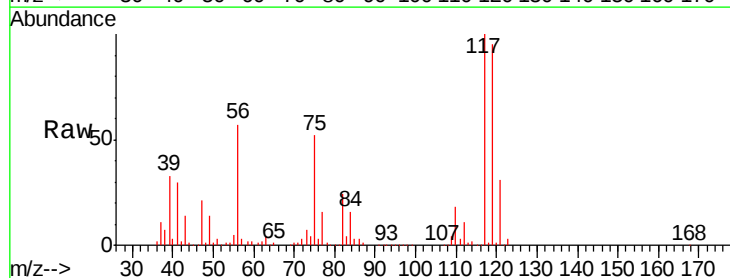
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#38
Carbon Tetrachloride
Concen: 46.494 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 117 Resp: 647928
Ion Ratio Lower Upper
117 100
119 95.5 77.1 115.7
121 30.7 24.9 37.3





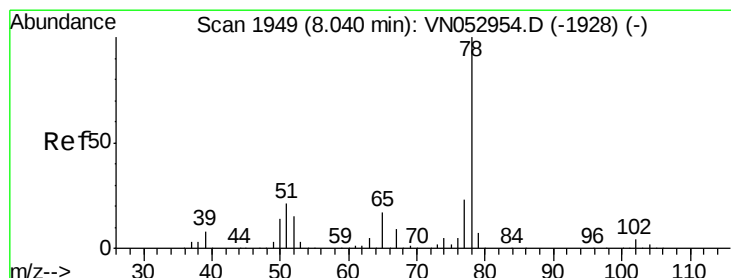
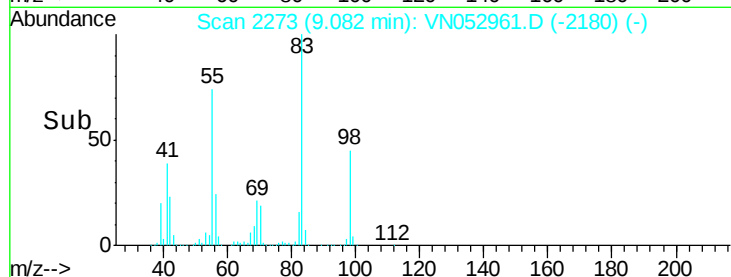
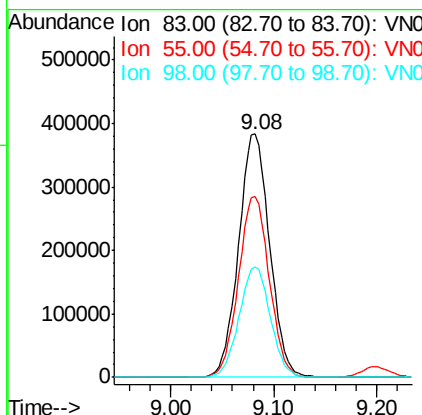
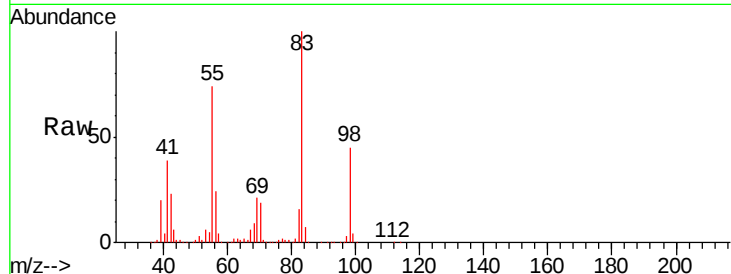
#39
Methylcyclohexane
Concen: 43.546 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	804276		
55	74.4	61.3	91.9	
98	45.4	37.0	55.4	

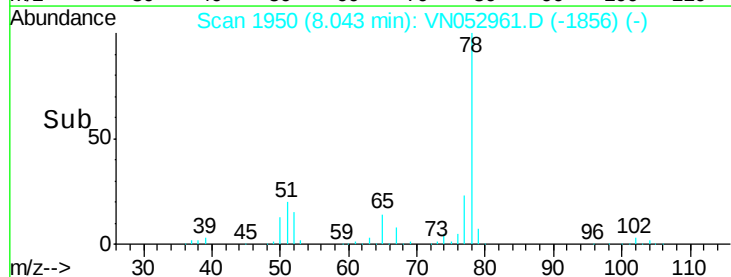
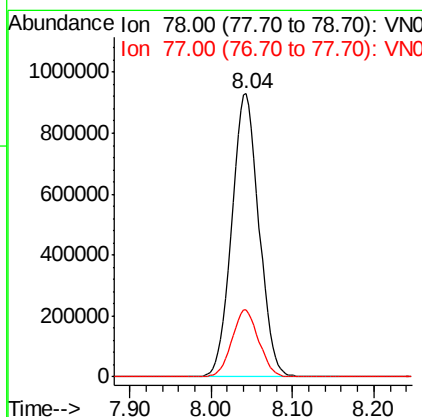
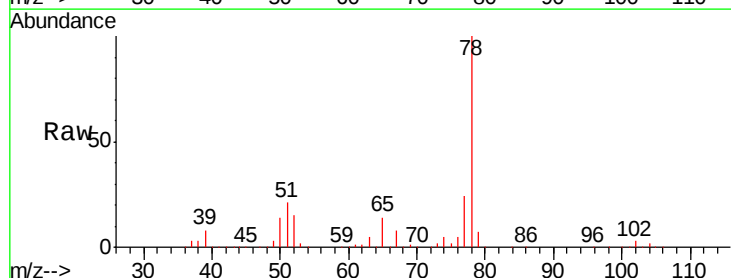
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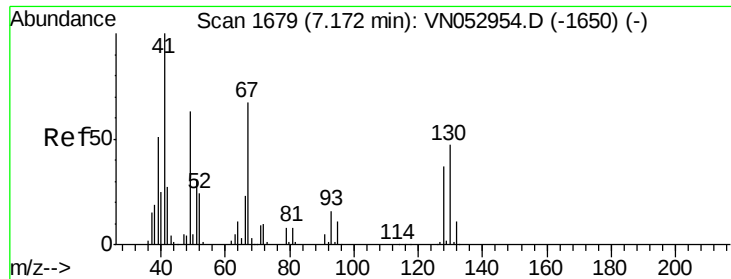
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#40
Benzene
Concen: 47.827 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2162882		
77	23.6	18.5	27.7	





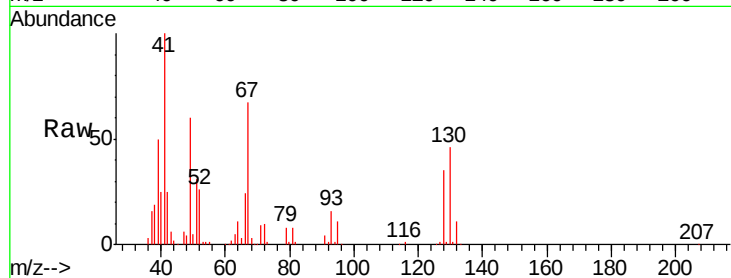
#41
Methacrylonitrile
Concen: 54.013 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

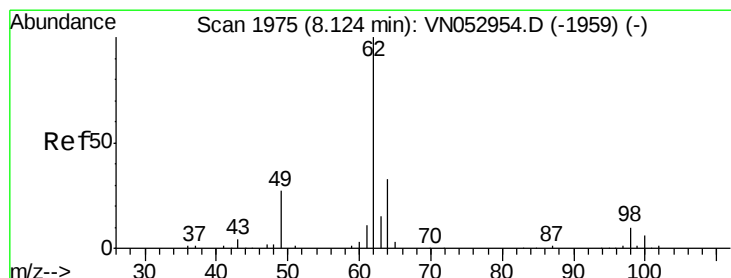
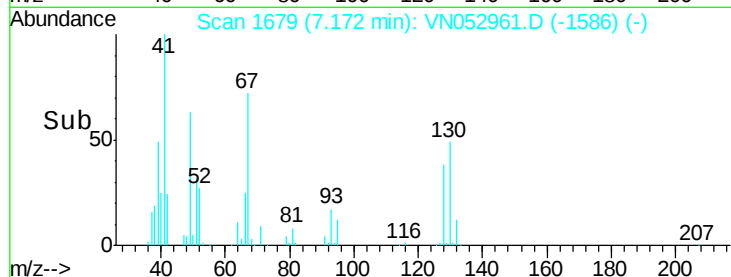
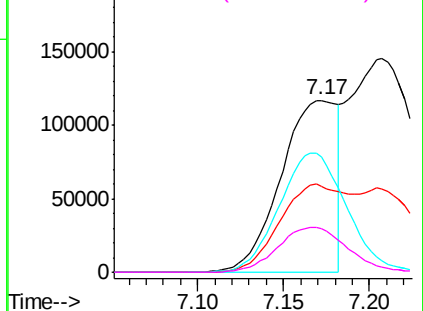
Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.5	48.0	72.0
67	84.0	70.3	105.5
52	32.3	26.9	40.3

Manual Integrations
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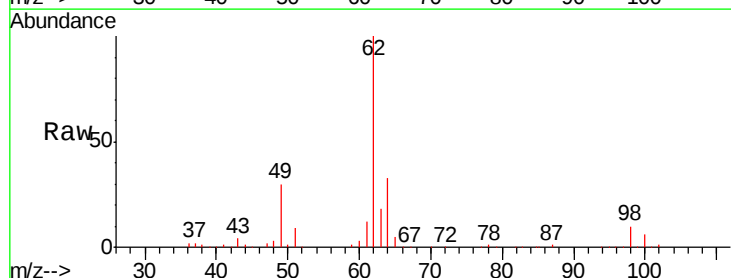


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

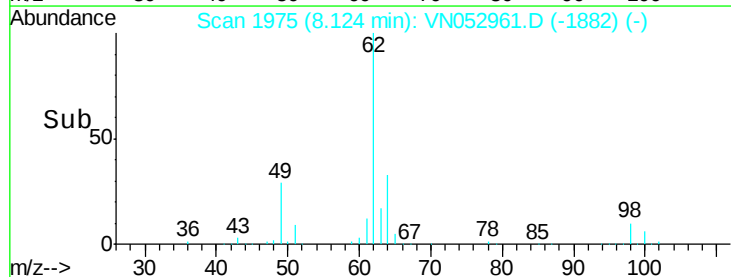
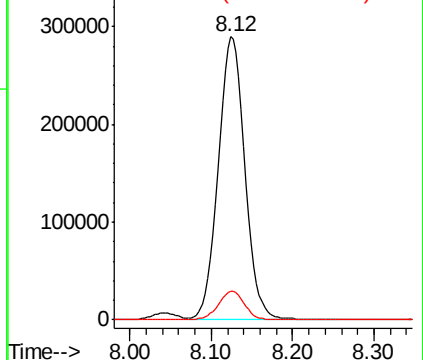


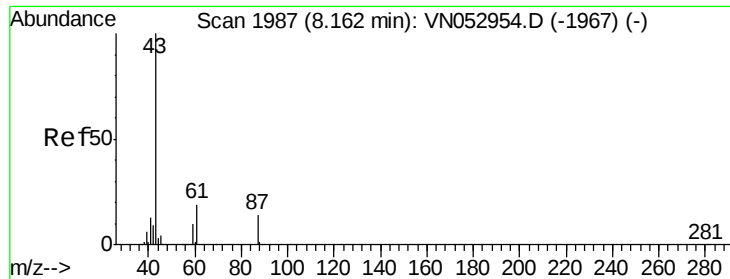
#42
1,2-Dichloroethane
Concen: 50.026 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0



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





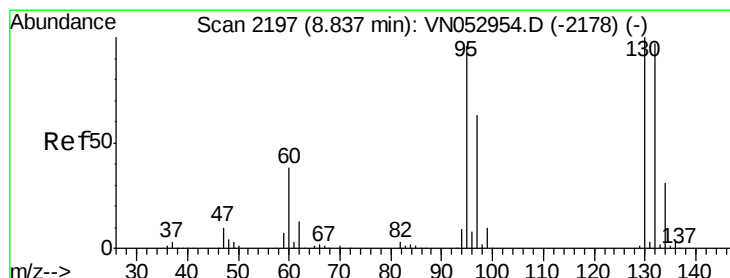
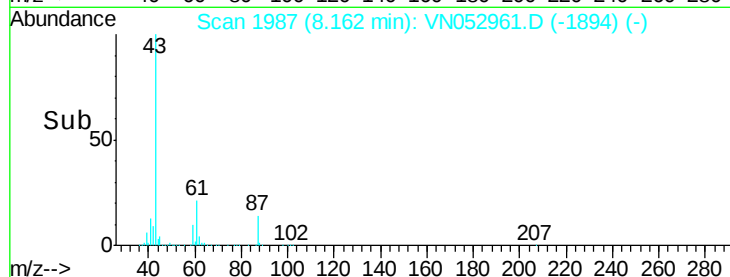
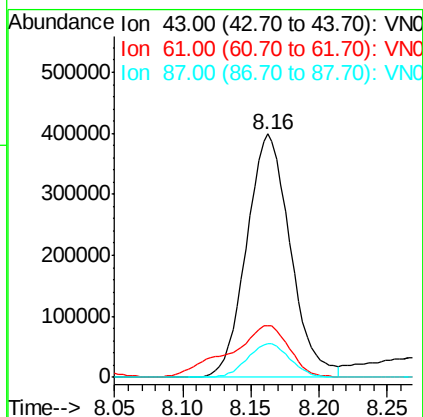
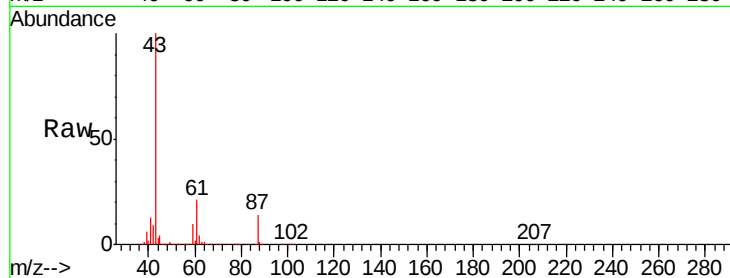
#43
Isopropyl Acetate
Concen: 53.884 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.9	34.3
87	13.7	10.6	15.8

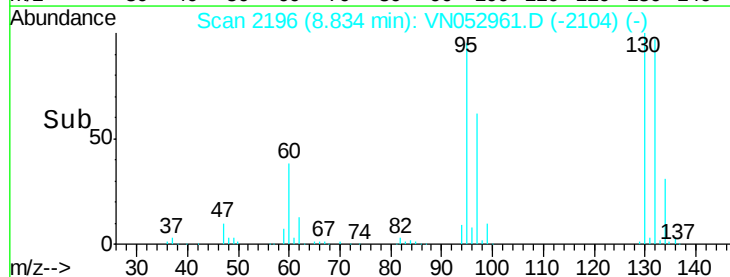
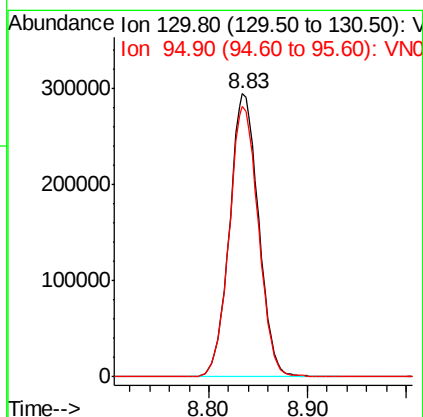
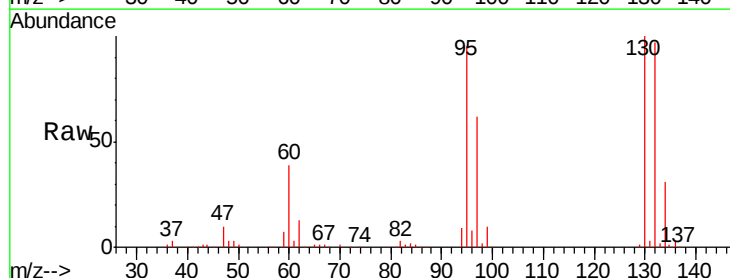
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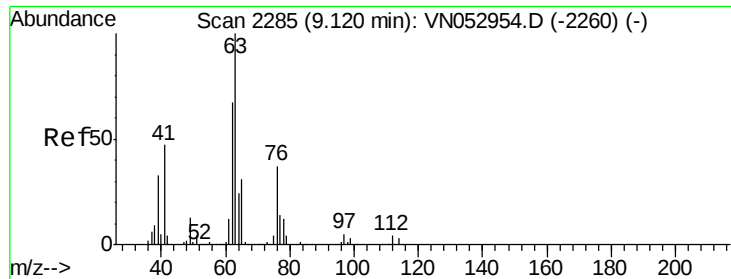
MMDadoda
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#44
Trichloroethene
Concen: 46.166 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	197.8





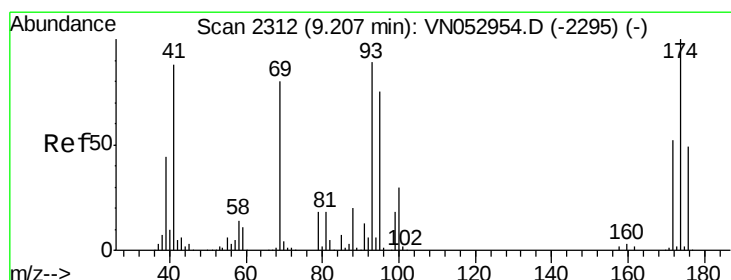
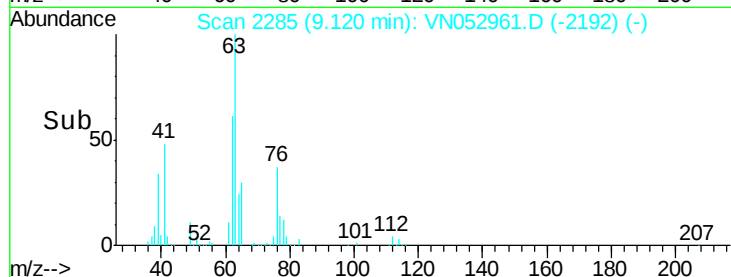
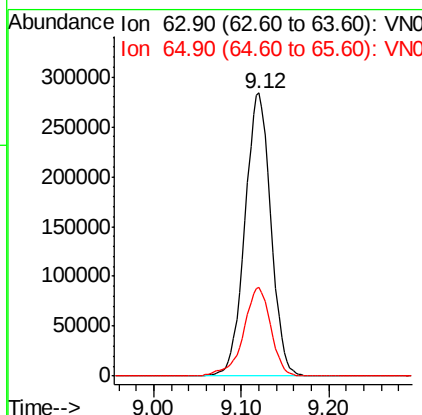
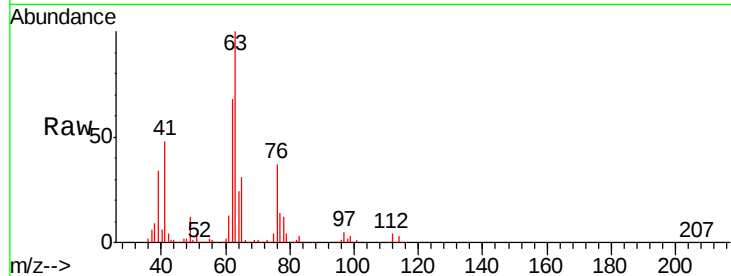
#45
 1,2-Dichloropropane
 Concen: 49.594 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion: 63 Resp: 584188
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0

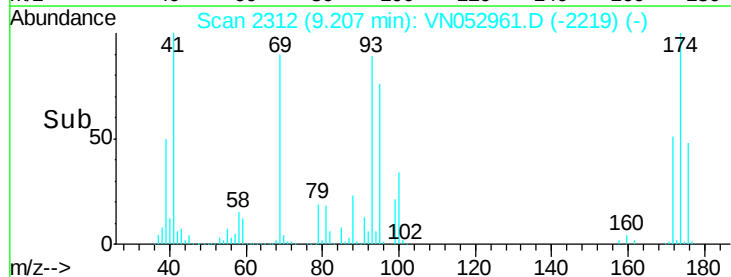
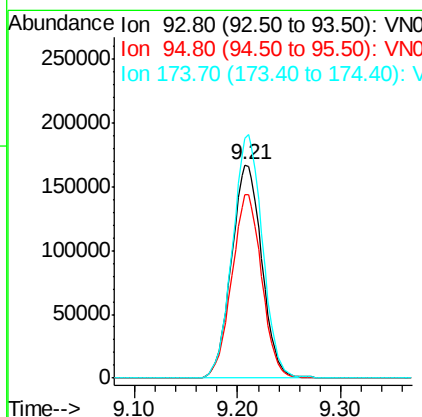
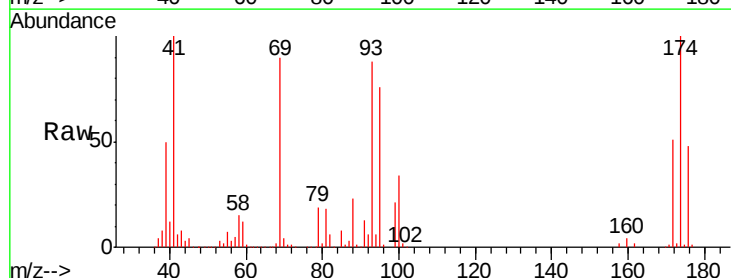
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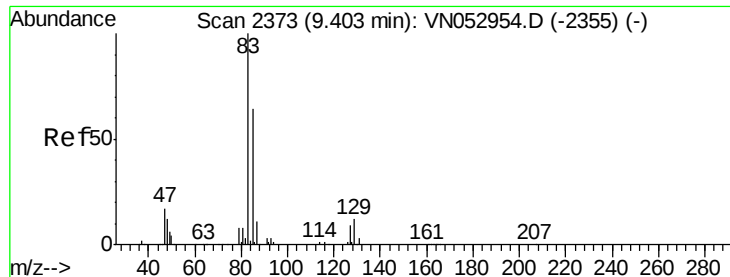
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#46
 Dibromomethane
 Concen: 50.001 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion: 93 Resp: 343103
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.8 101.6
 174 113.0 89.0 133.4





#47

Bromodichloromethane

Concen: 49.446 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

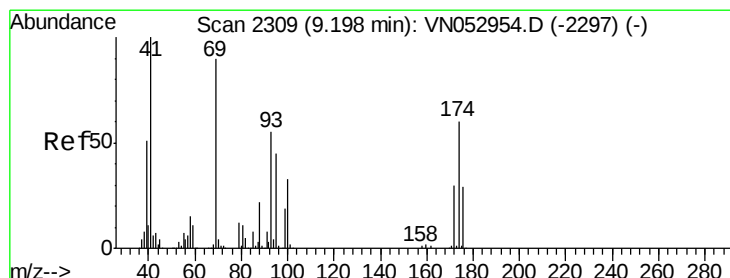
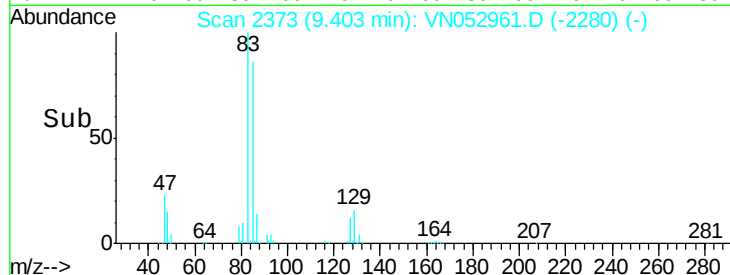
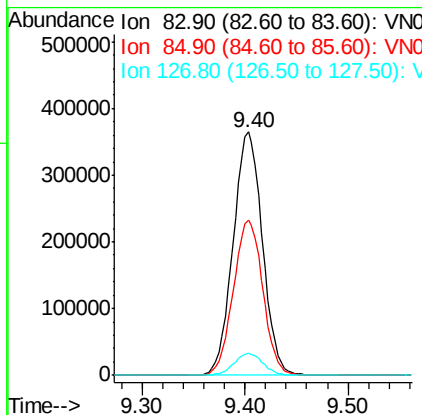
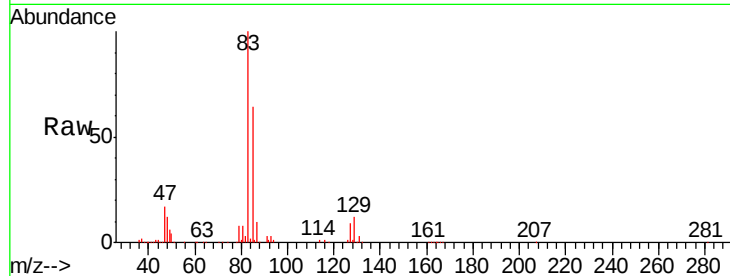
ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:	83	Resp:	721231
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.6	77.4
127	8.9	7.1	10.7

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#48

Methyl methacrylate

Concen: 53.713 ug/l

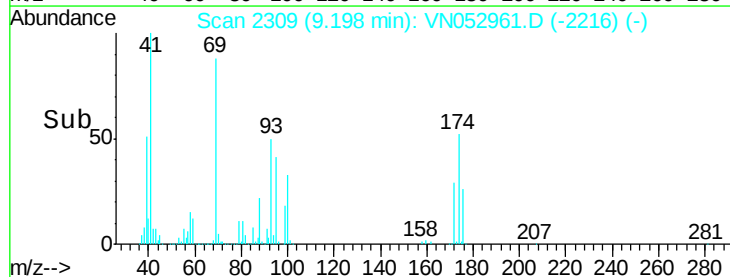
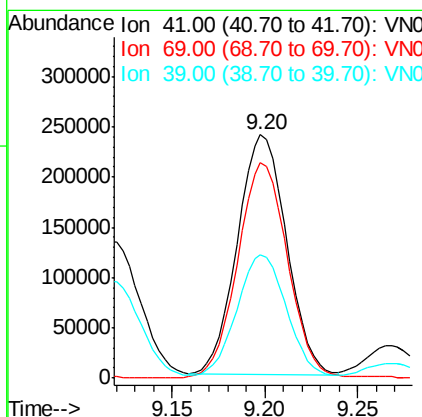
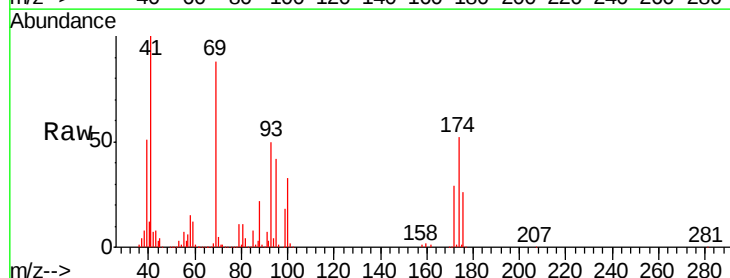
RT: 9.20 min Scan# 2309

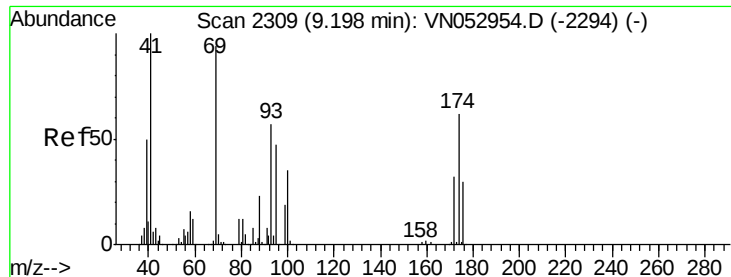
Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Tgt Ion:	41	Resp:	442377
Ion Ratio	Lower	Upper	
41	100		
69	91.9	72.2	108.2
39	52.5	41.9	62.9





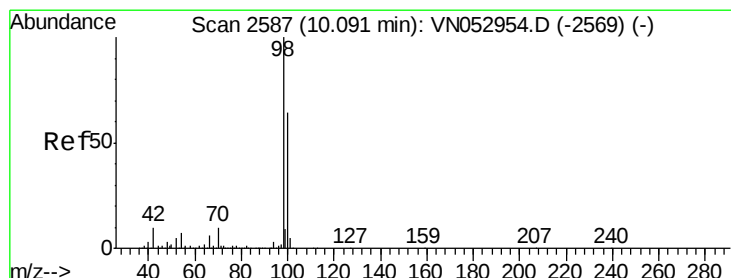
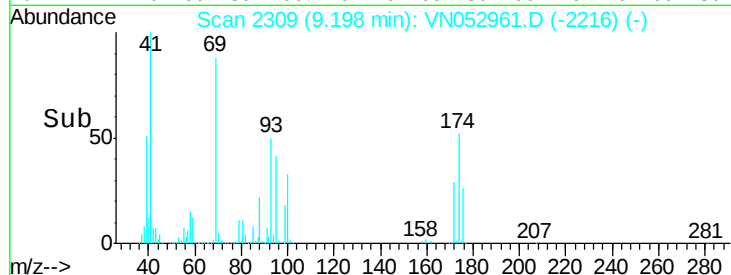
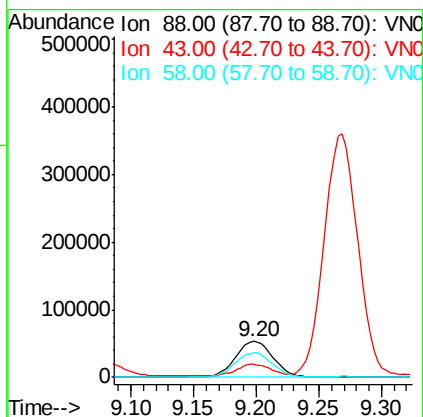
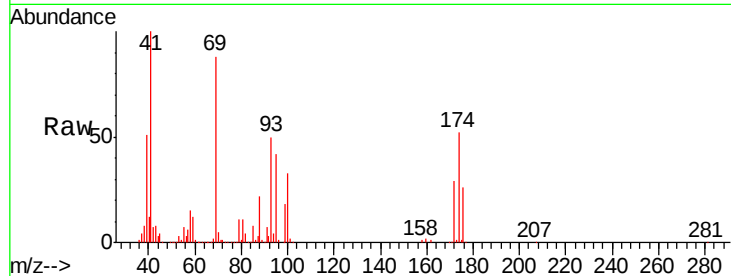
#49
1,4-Dioxane
Concen: 1065.926 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.3	26.6	40.0
58	68.2	58.4	87.6

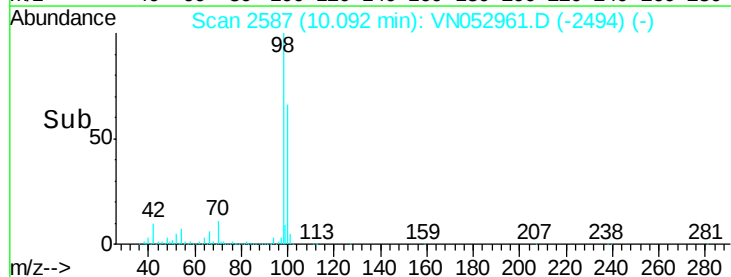
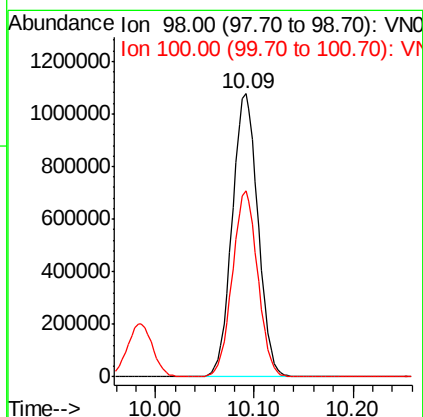
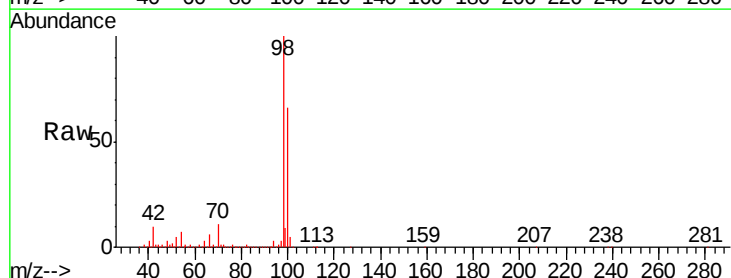
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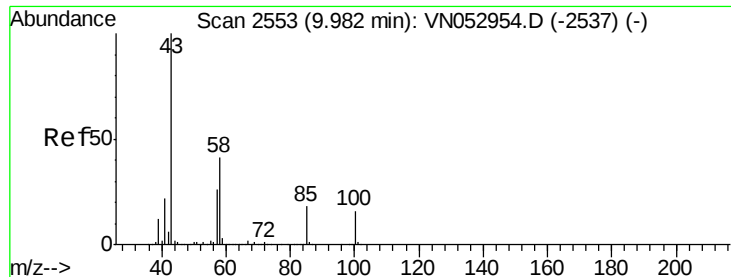
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#50
Toluene-d8
Concen: 1065.926 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





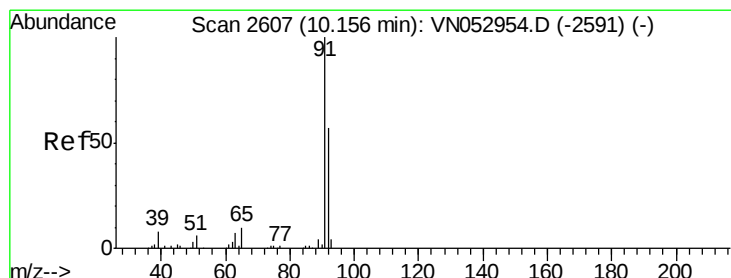
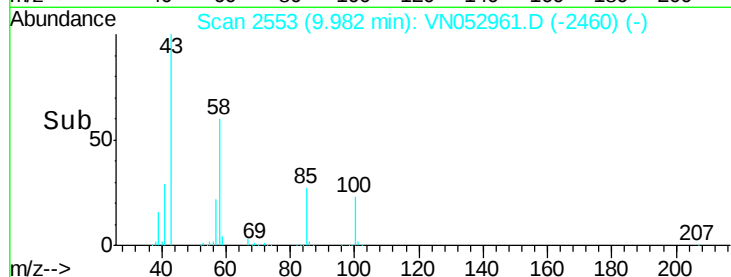
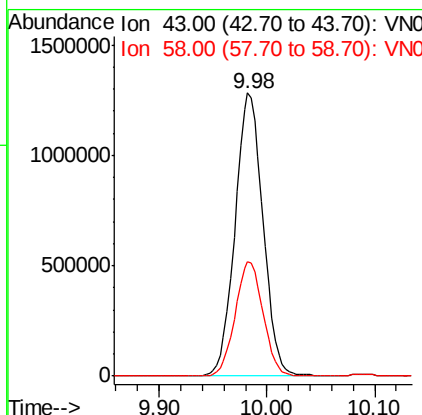
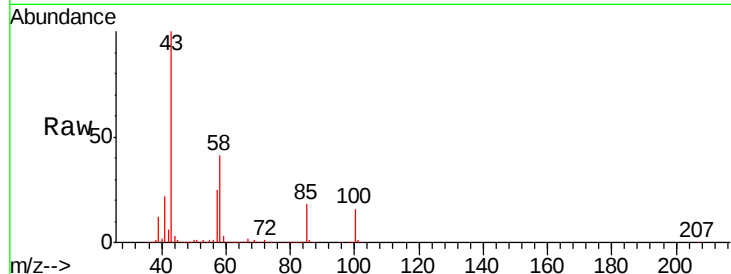
#51
 4-Methyl-2-Pentanone
 Concen: 280.501 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion: 43 Resp: 2305566
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4

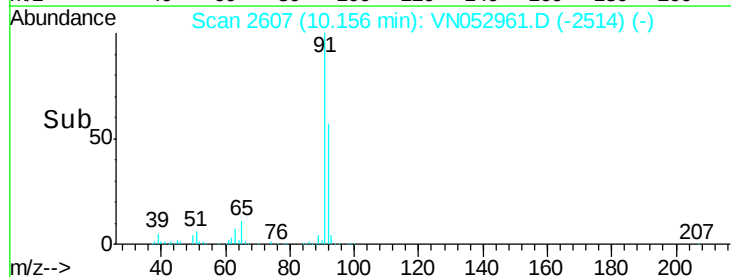
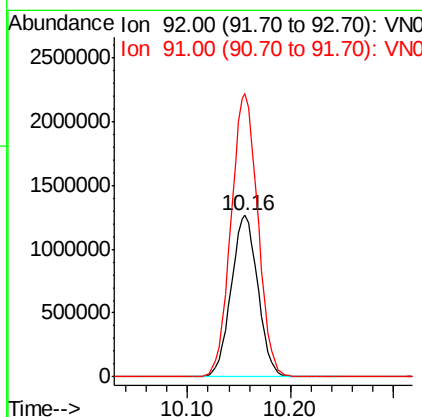
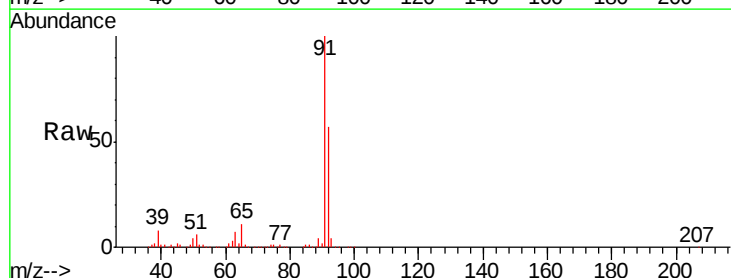
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#52
 Toluene
 Concen: 81.058 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion: 92 Resp: 2272099
 Ion Ratio Lower Upper
 92 100
 91 176.3 139.8 209.6





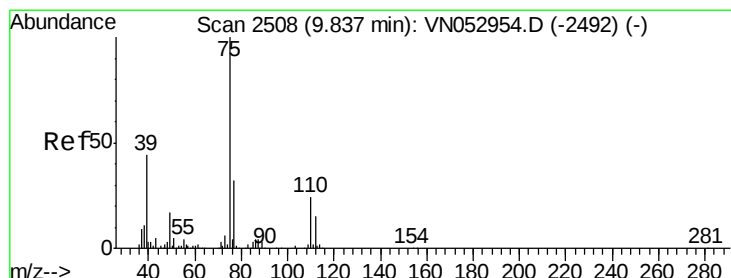
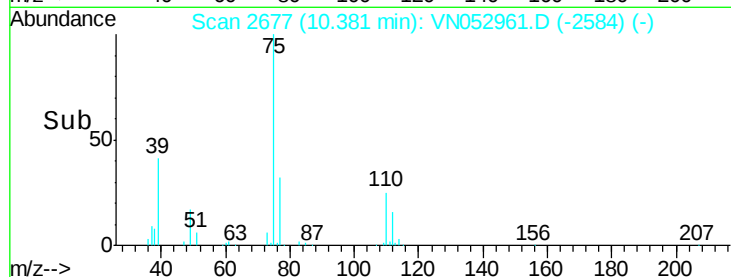
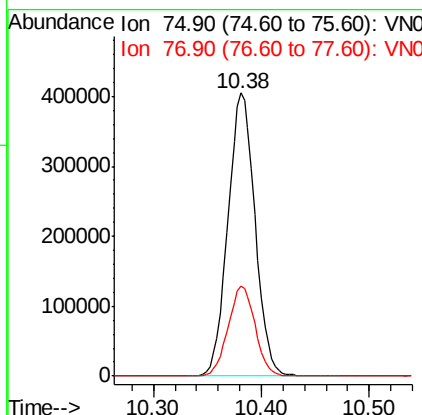
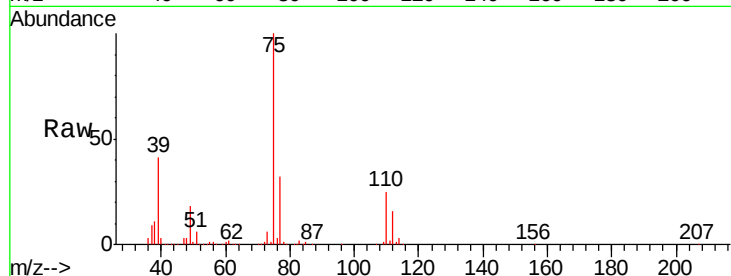
#53
t-1,3-Dichloropropene
Concen: 46.242 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 75 Resp: 709267
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4

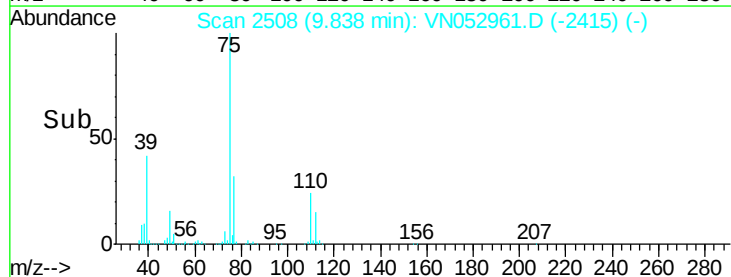
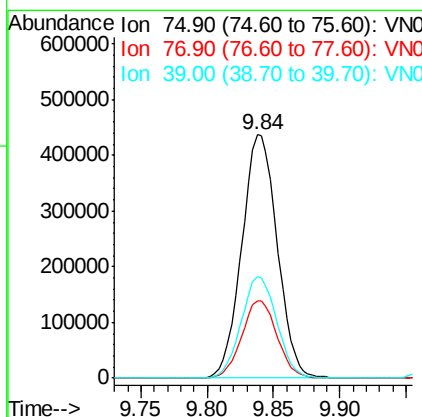
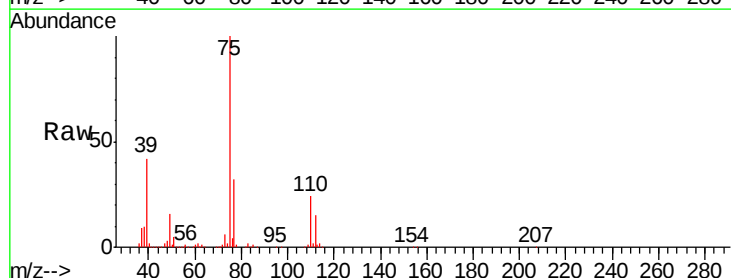
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#54
cis-1,3-Dichloropropene
Concen: 46.079 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 75 Resp: 811240
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8
39 41.8 34.8 52.2





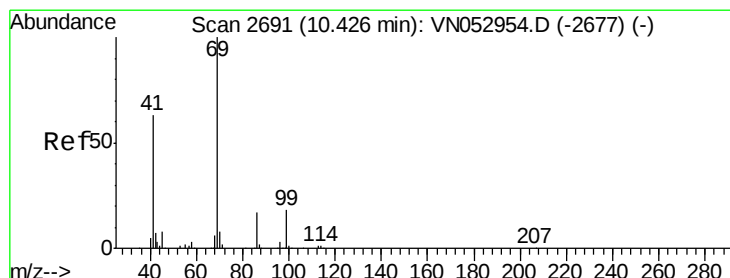
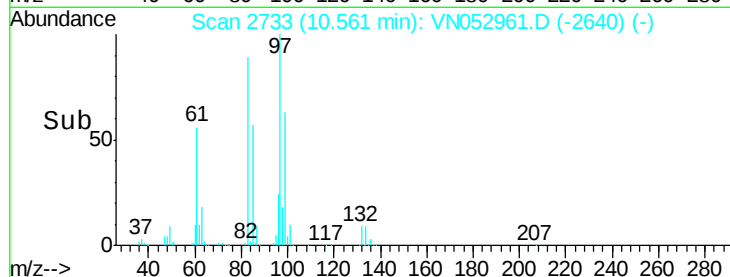
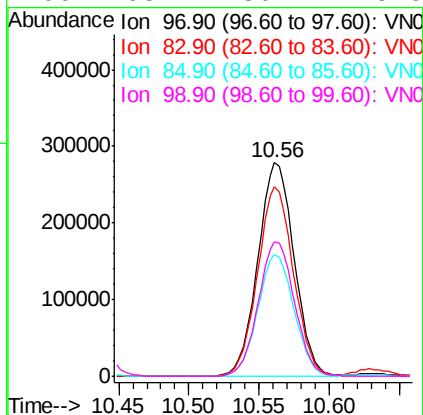
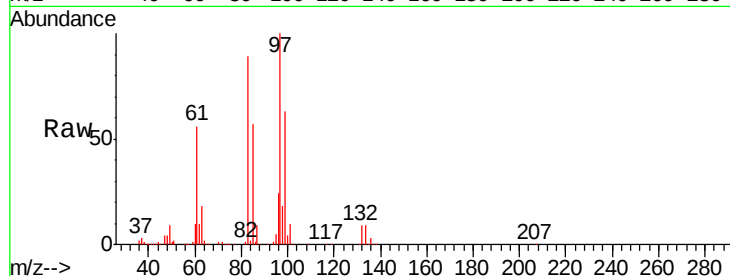
#55
 1,1,2-Trichloroethane
 Concen: 51.141 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.9	106.3
85	57.1	45.4	68.2
99	63.1	50.4	75.6

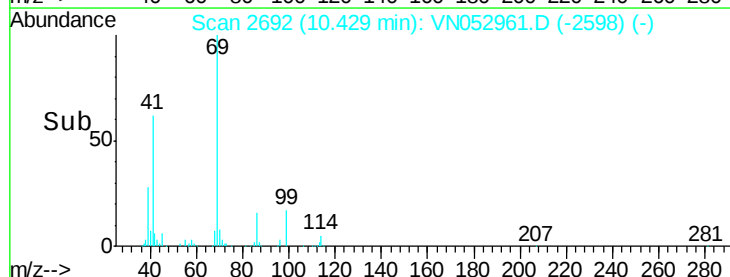
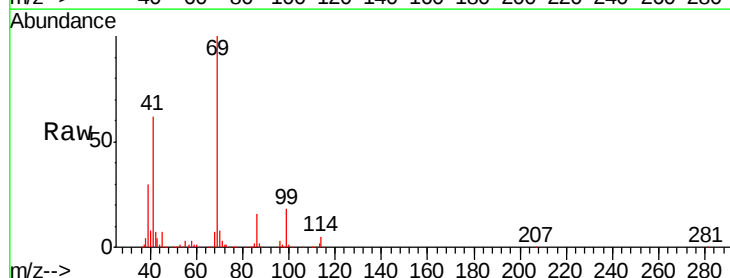
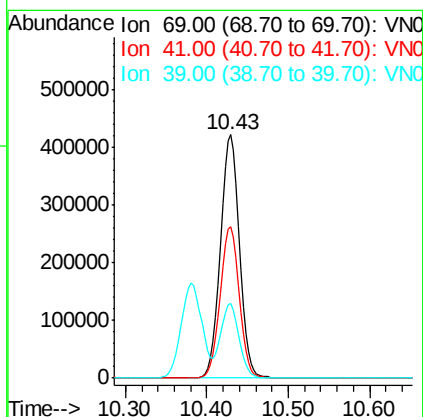
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#56
 Ethyl methacrylate
 Concen: 54.086 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.1	51.7	77.5
39	29.6	24.6	37.0





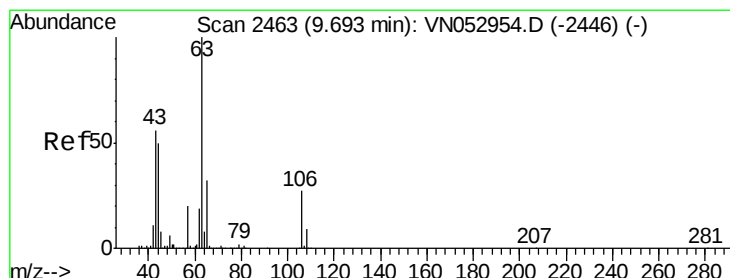
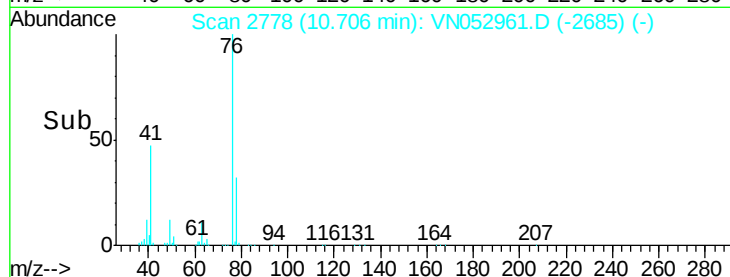
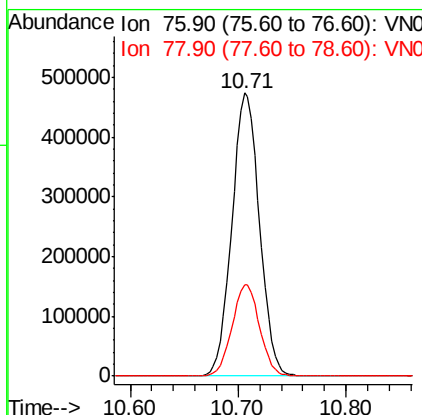
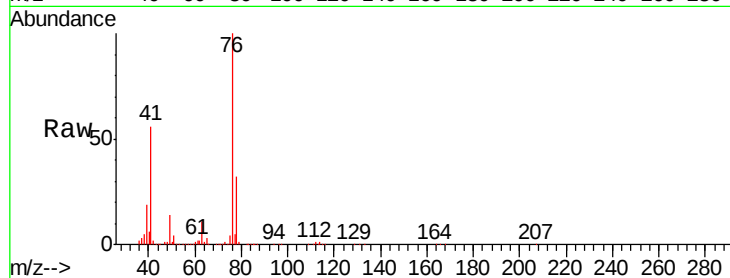
#57
 1,3-Dichloropropane
 Concen: 50.406 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion: 76 Resp: 845265
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

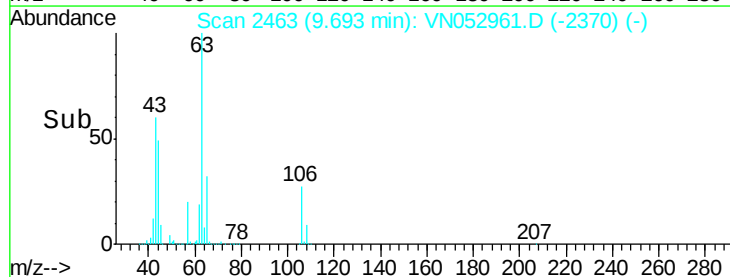
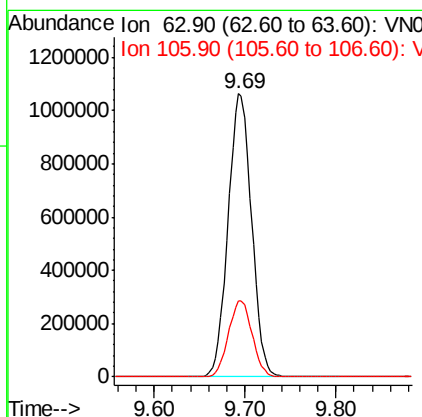
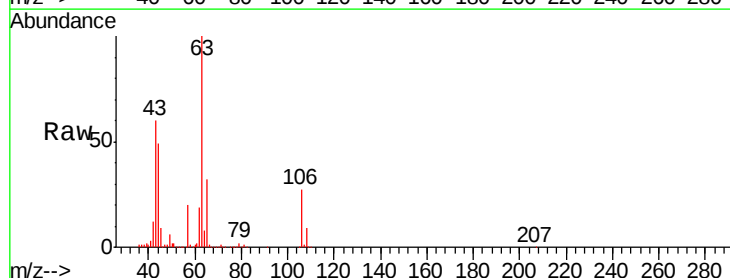
Manual Integrations
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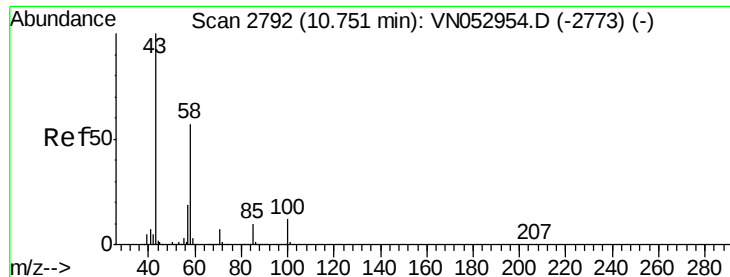
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#58
 2-Chloroethyl Vinyl ether
 Concen: 268.441 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion: 63 Resp: 1907517
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.0 31.6





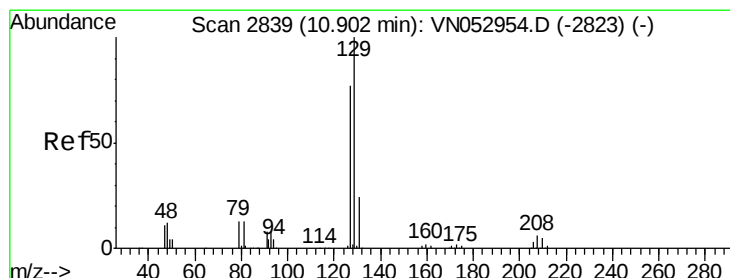
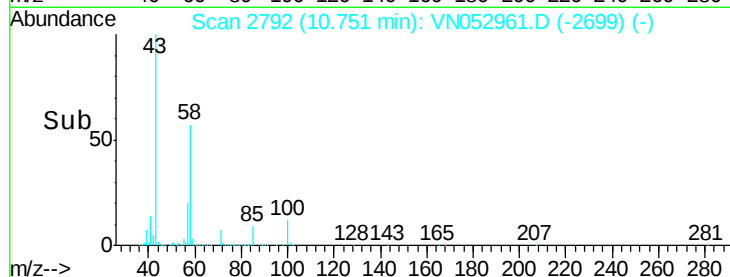
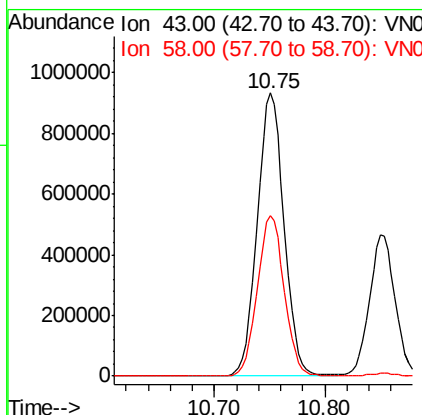
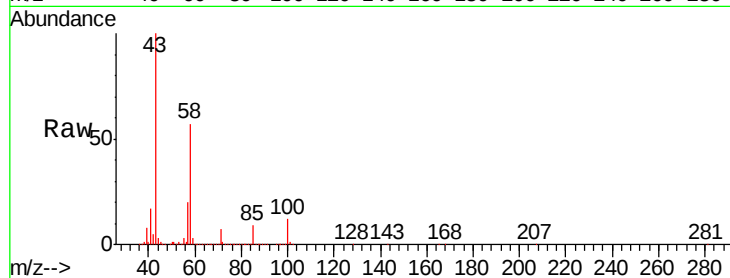
#59
2-Hexanone
Concen: 281.405 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 43 Resp: 1564933
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3

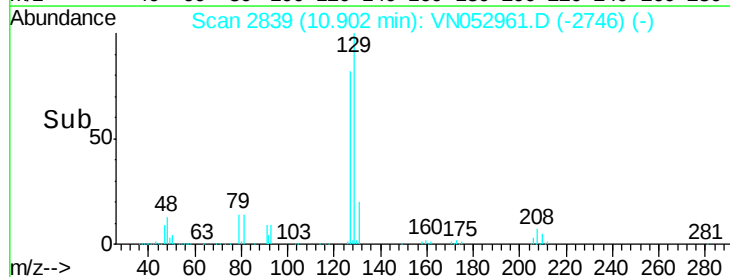
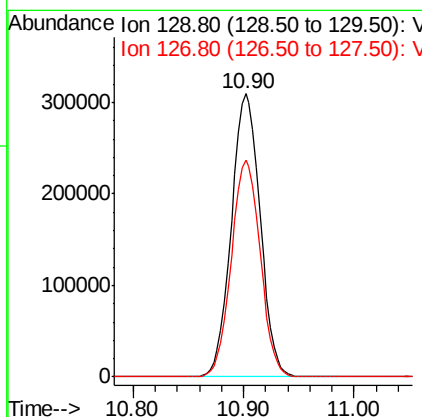
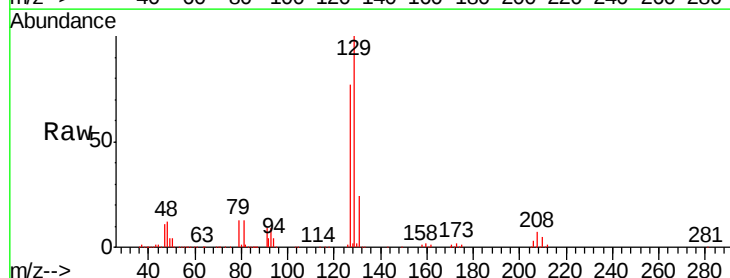
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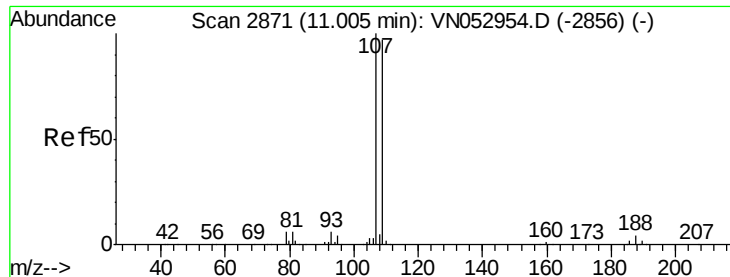
MMDadoda
12/19/2018 12:06:41 PM



#60
Dibromochloromethane
Concen: 50.089 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 129 Resp: 560686
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.045 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 107 Resp: 506955

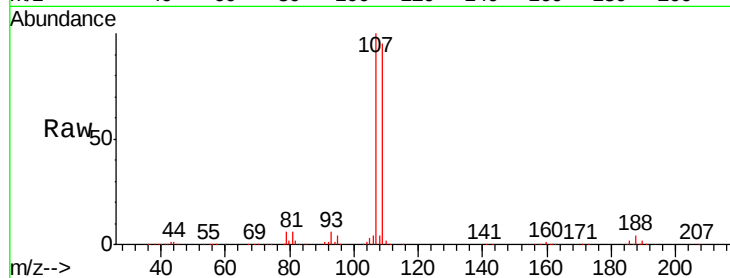
Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.0

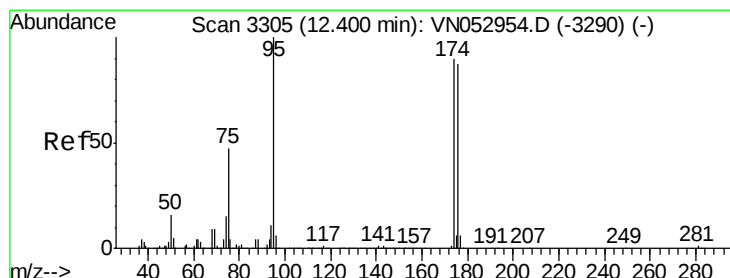
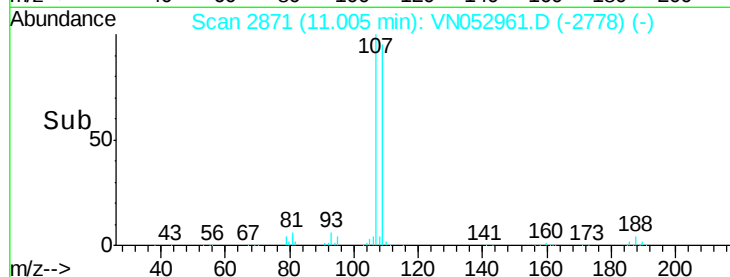
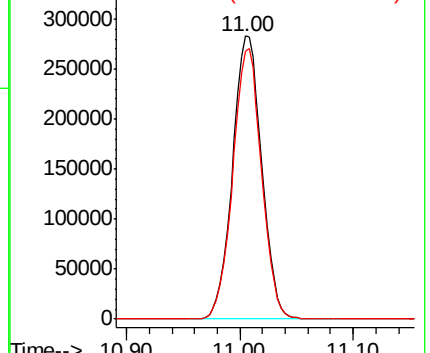
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.045 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

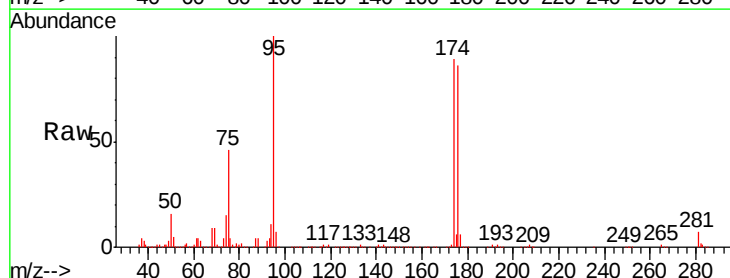
Tgt Ion: 95 Resp: 699458

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

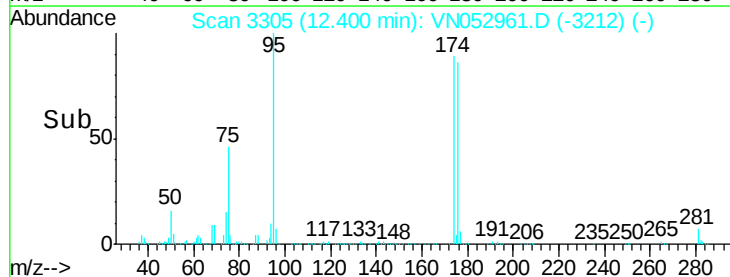
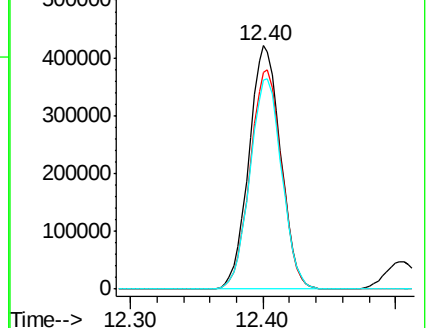
176 87.0 0.0 173.8

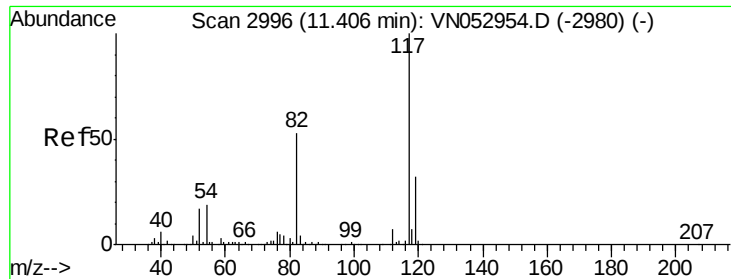


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





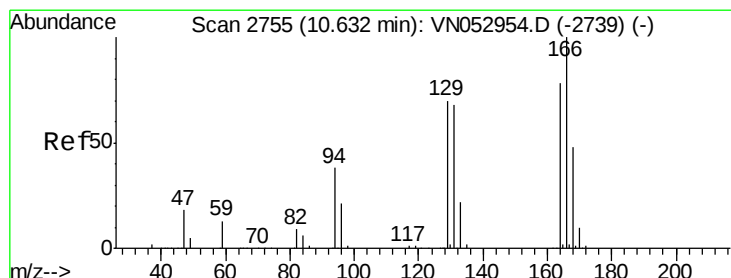
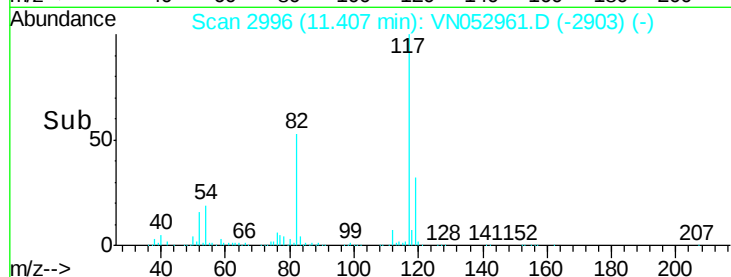
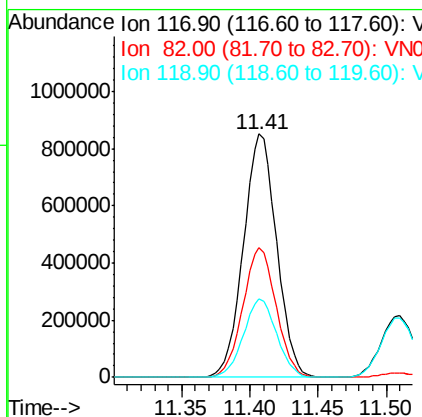
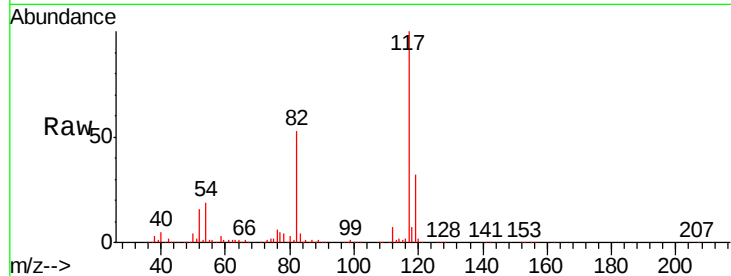
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion:117 Resp: 1439373
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.4 25.5 38.3

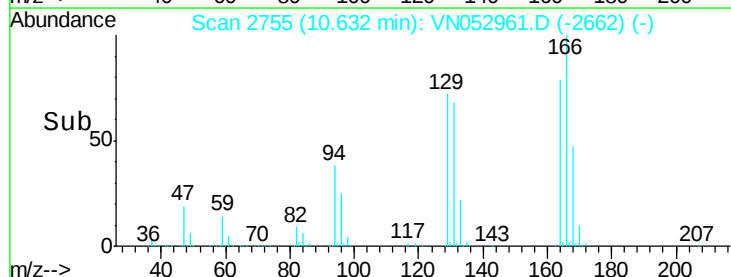
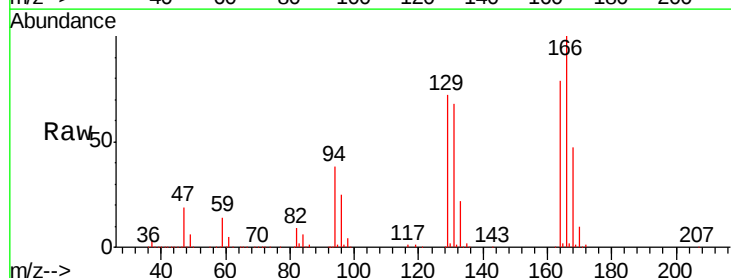
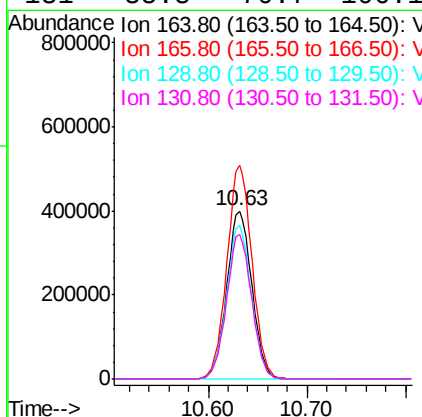
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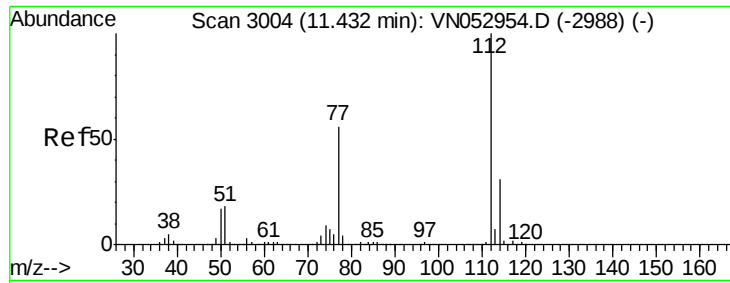
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#64
Tetrachloroethene
Concen: 45.656 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion:164 Resp: 711854
Ion Ratio Lower Upper
164 100
166 127.1 102.9 154.3
129 91.1 73.7 110.5
131 85.8 70.7 106.1





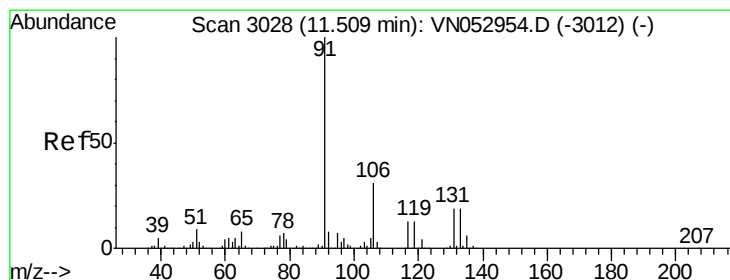
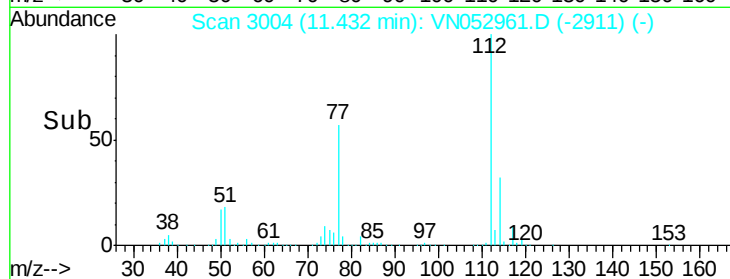
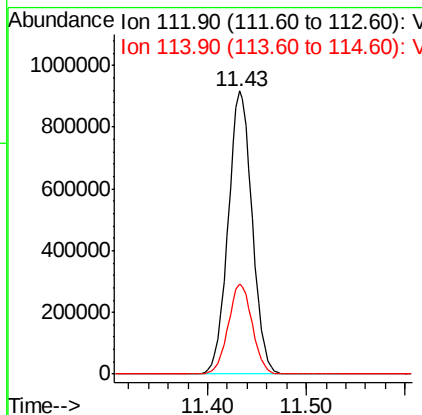
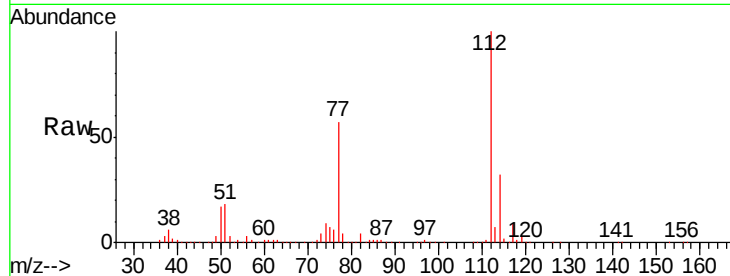
#65
Chlorobenzene
Concen: 48.824 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion:112 Resp: 1557817
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

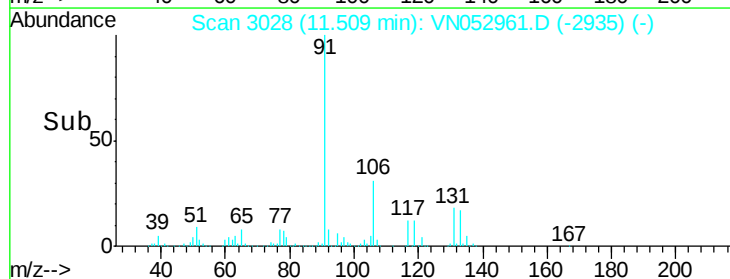
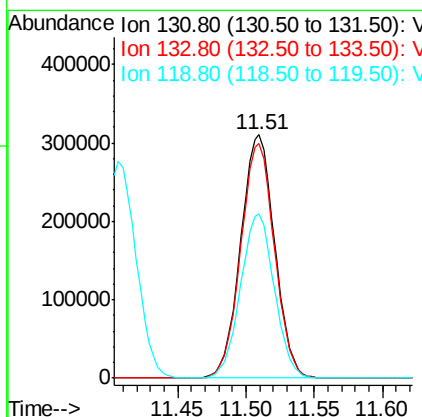
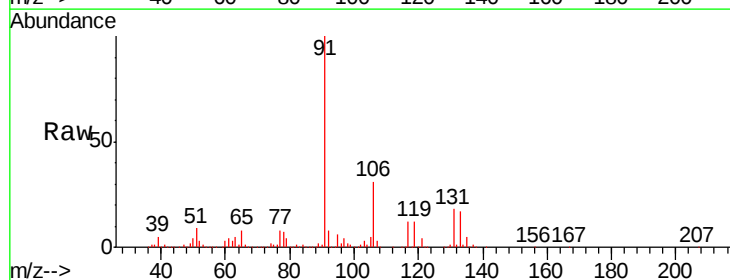
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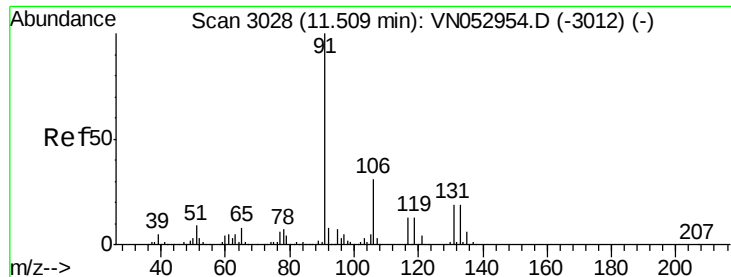
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.305 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion:131 Resp: 535968
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 67.3 33.3 99.8





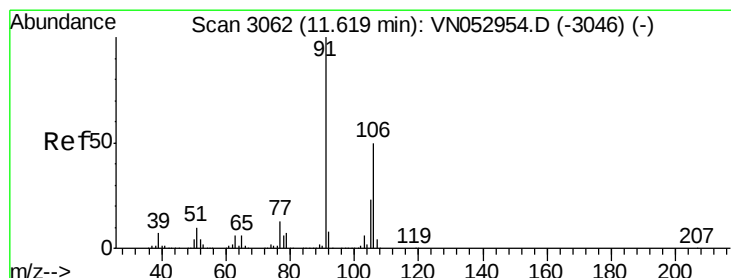
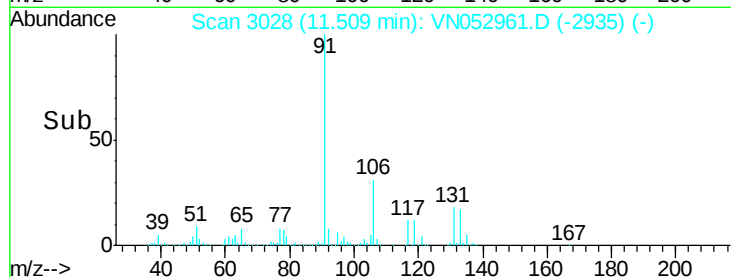
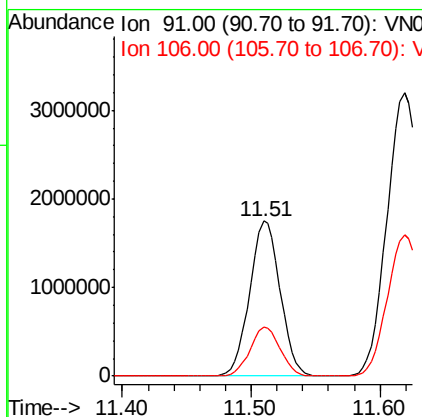
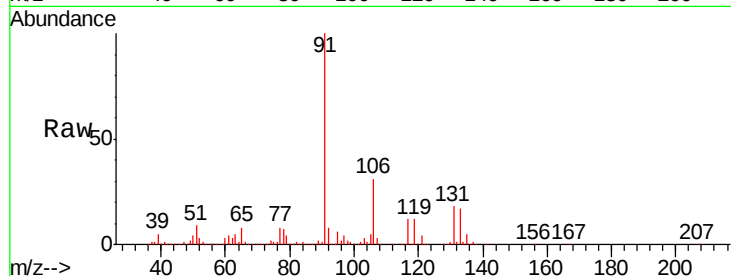
#67
Ethyl Benzene
Concen: 52.720 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 91 Resp: 2892840
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

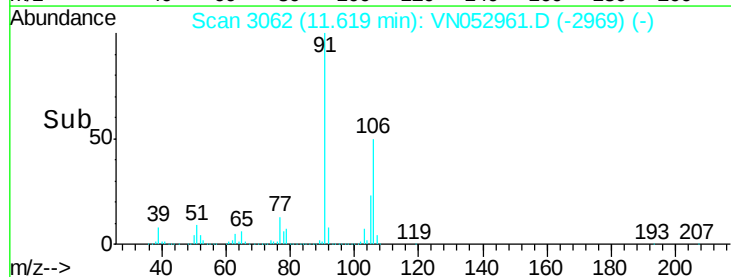
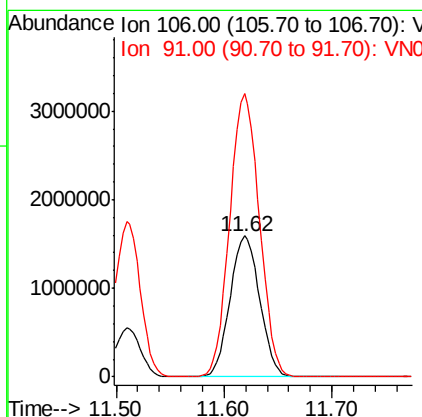
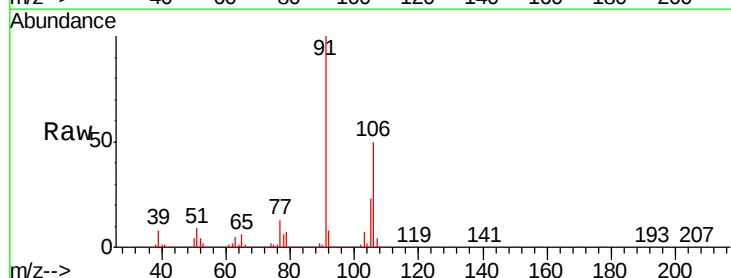
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#68
m/p-Xylenes
Concen: 145.325 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 106 Resp: 3031449
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.4





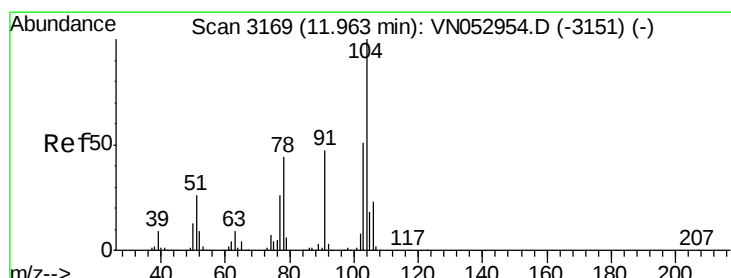
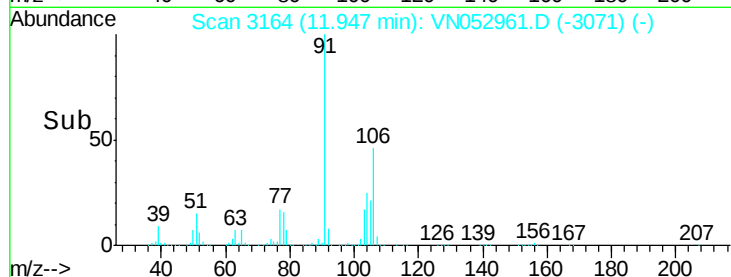
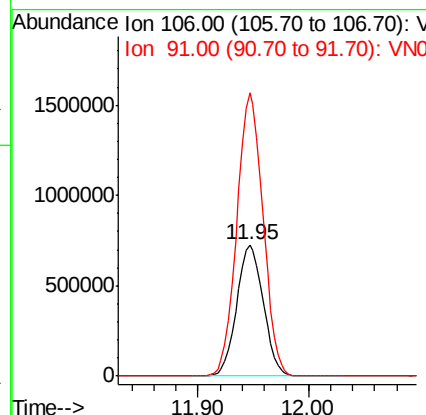
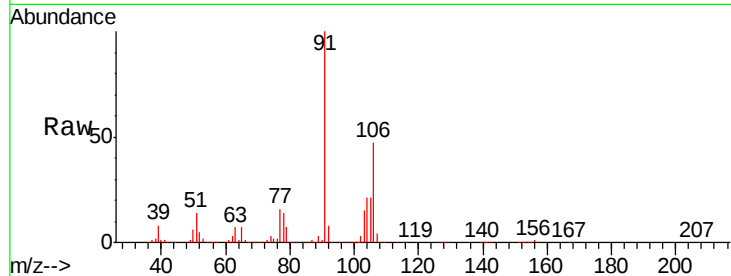
#69
o-Xylene
Concen: 60.365 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion:106 Resp: 1208296
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8

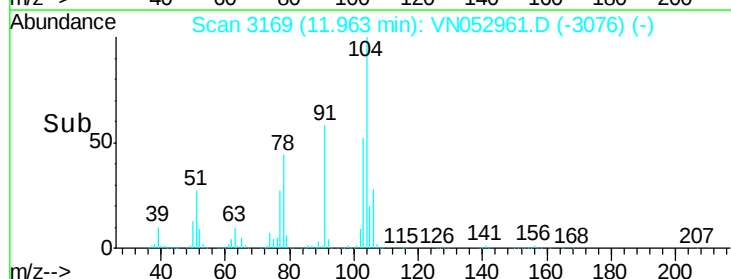
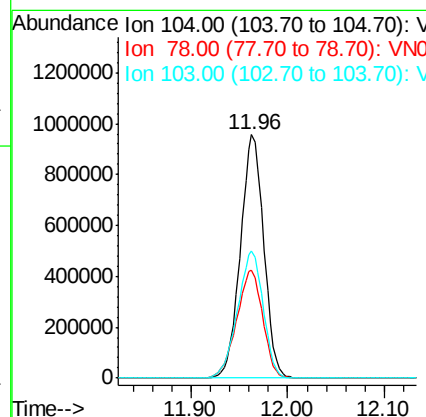
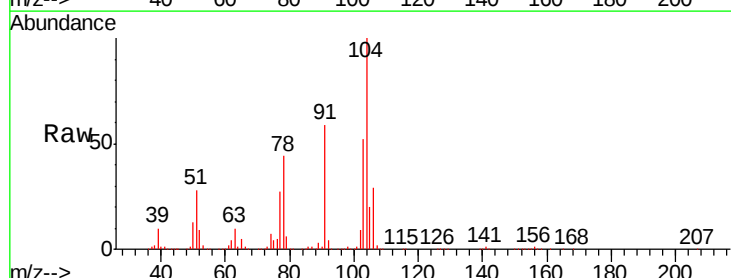
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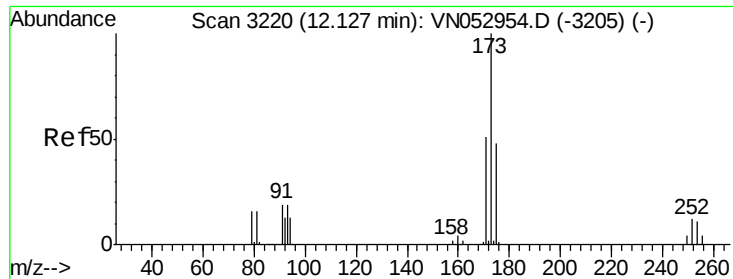
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#70
Styrene
Concen: 49.009 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion:104 Resp: 1599632
Ion Ratio Lower Upper
104 100
78 49.7 38.9 58.3
103 57.2 44.3 66.5





#71

Bromoform

Concen: 49.997 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:173 Resp: 400758

Ion Ratio Lower Upper

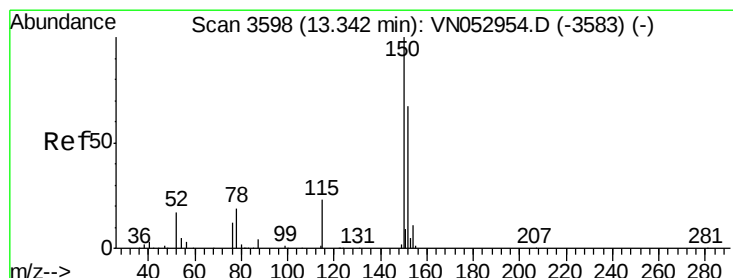
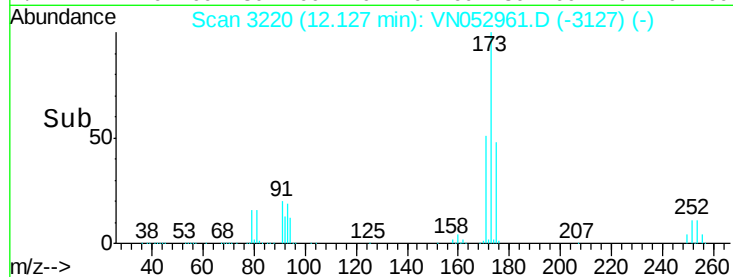
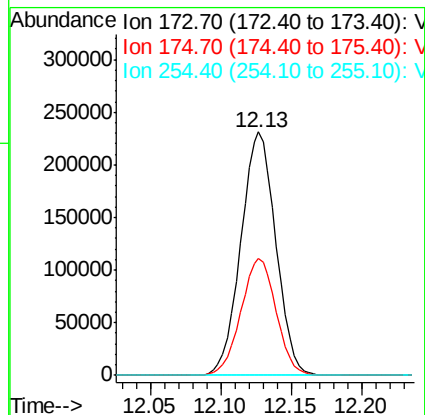
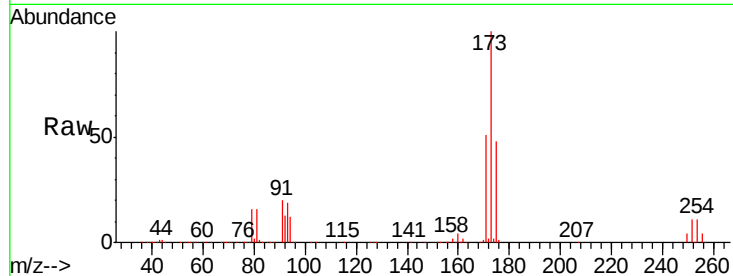
173 100

175 48.3 24.3 72.9

254 0.1 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

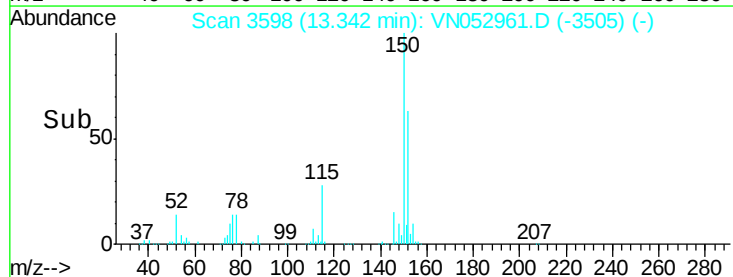
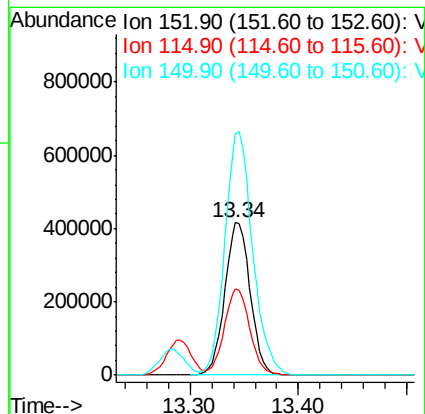
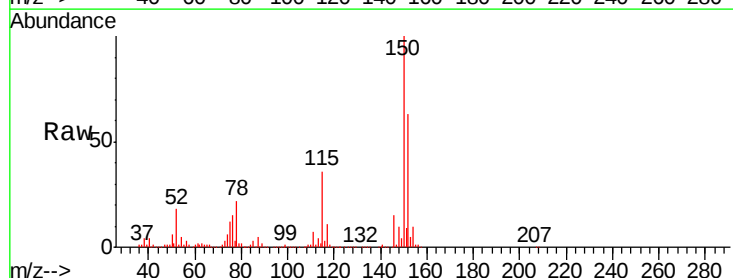
Tgt Ion:152 Resp: 678613

Ion Ratio Lower Upper

152 100

115 56.7 28.3 85.0

150 174.3 0.0 347.8





#73

Isopropylbenzene

Concen: 47.607 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 105 Resp: 2527749

Ion Ratio Lower Upper

105 100

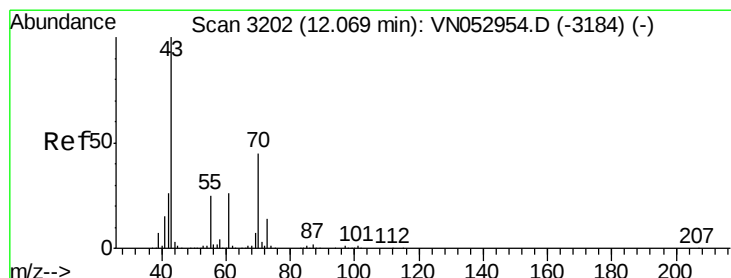
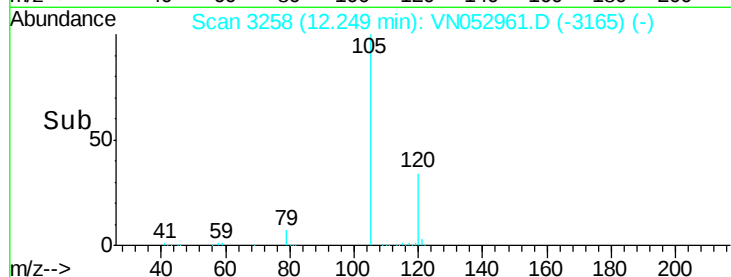
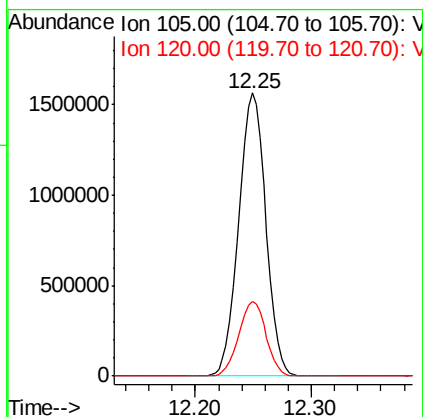
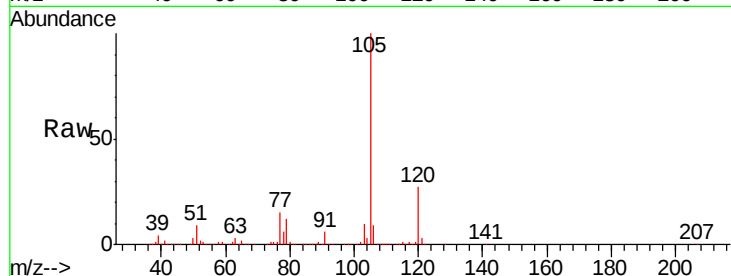
120 26.7 13.3 39.9

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#74

N-ethyl acetate

Concen: 54.806 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Tgt Ion: 43 Resp: 807905

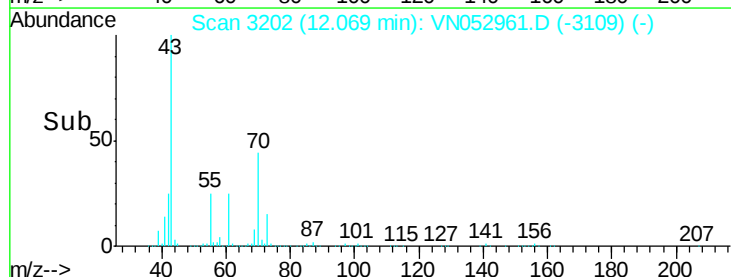
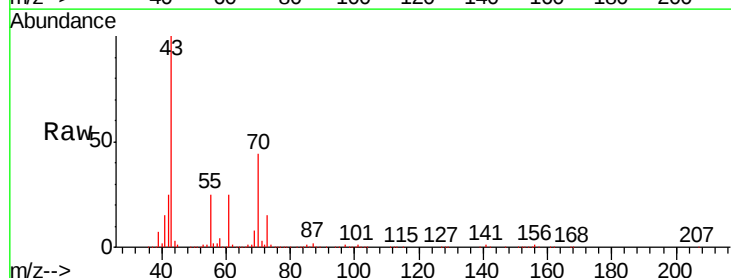
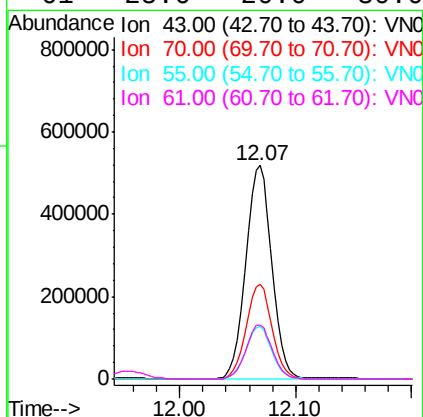
Ion Ratio Lower Upper

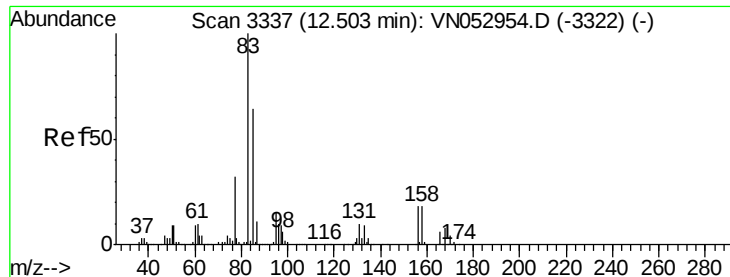
43 100

70 44.2 34.2 51.4

55 24.6 20.3 30.5

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.108 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

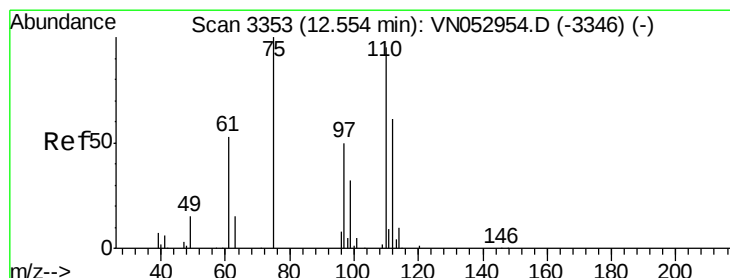
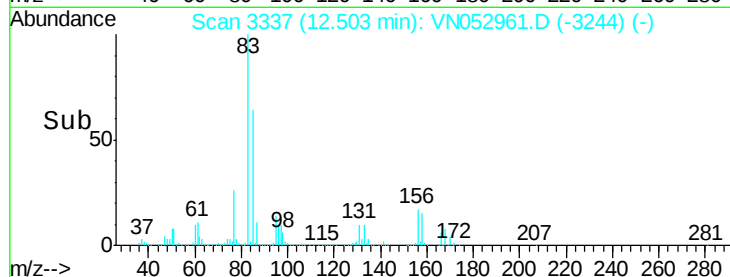
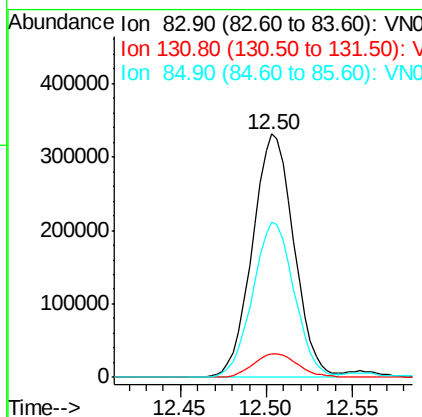
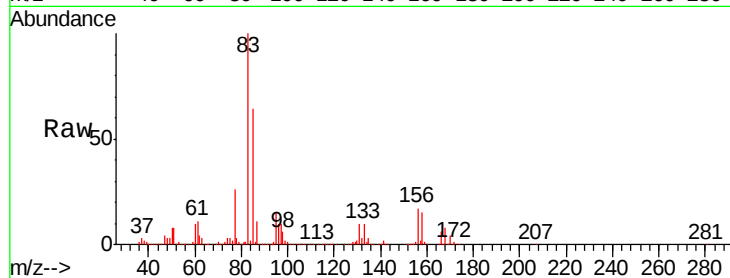
ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:	83	Resp:	553198
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.9	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 44.473 ug/l m

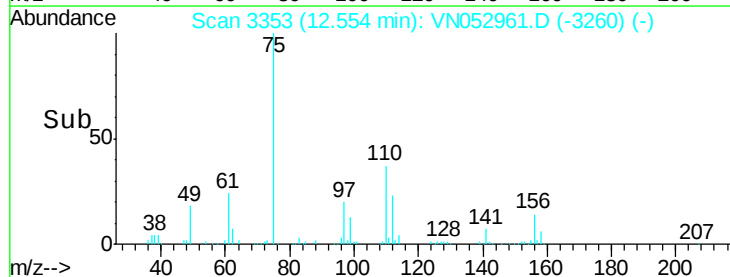
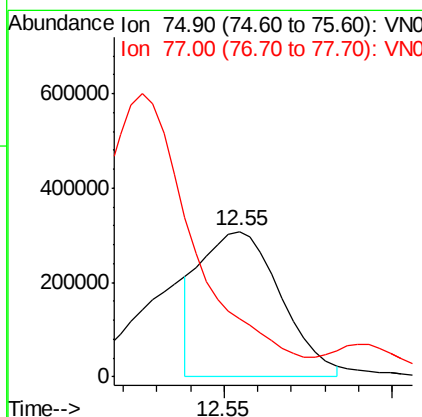
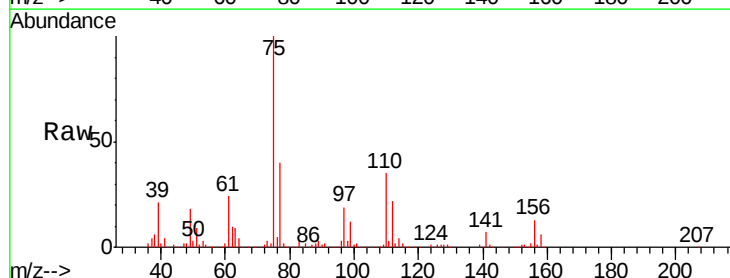
RT: 12.55 min Scan# 3353

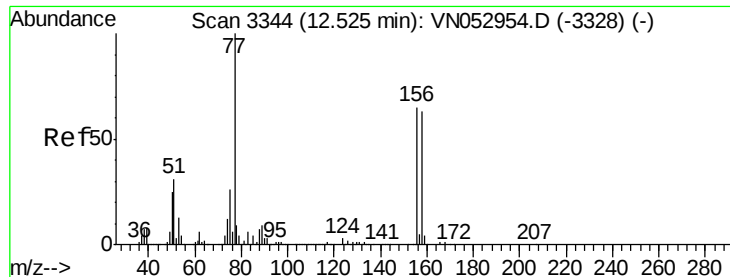
Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Tgt Ion:	75	Resp:	508044
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 59.210 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

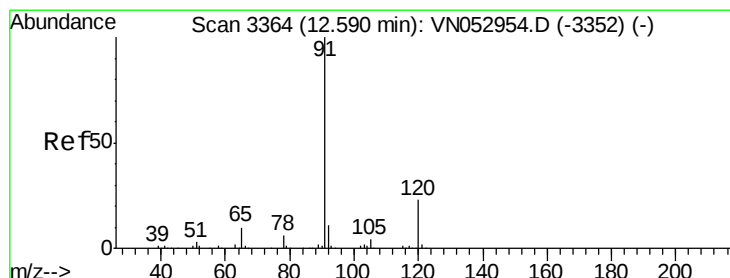
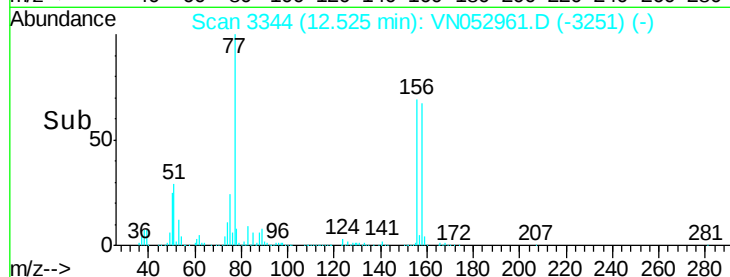
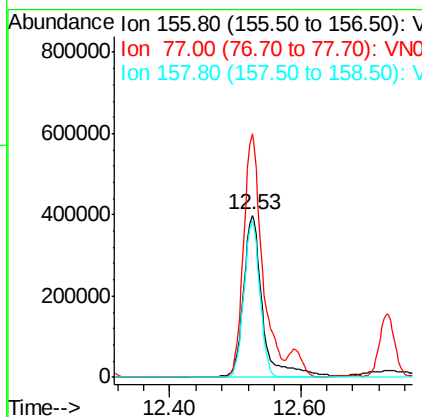
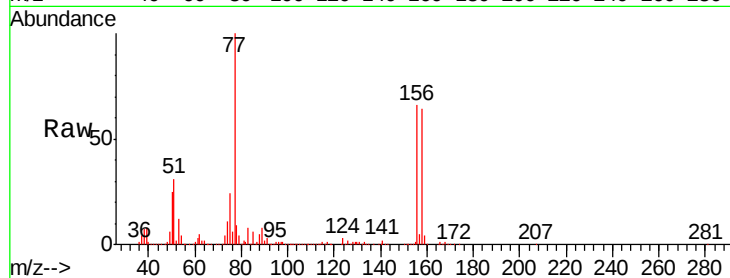
ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion	Ratio	Lower	Upper
156	100		
77	145.6	91.3	273.8
158	80.3	49.0	147.2

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#78

n-propylbenzene

Concen: 46.805 ug/l

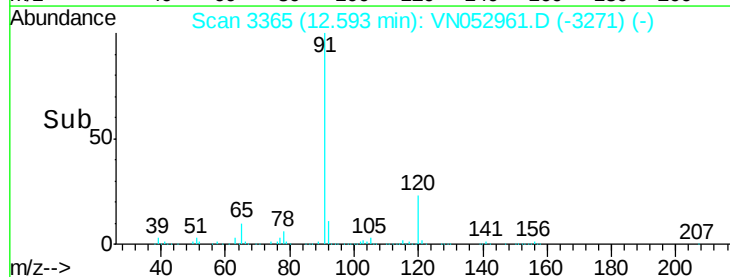
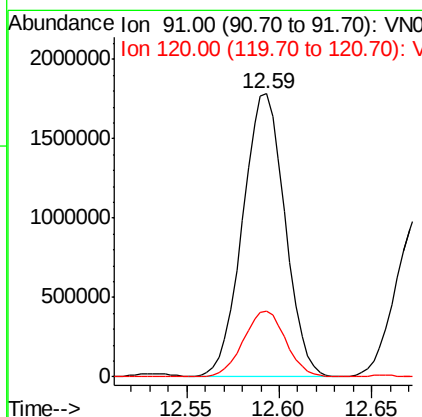
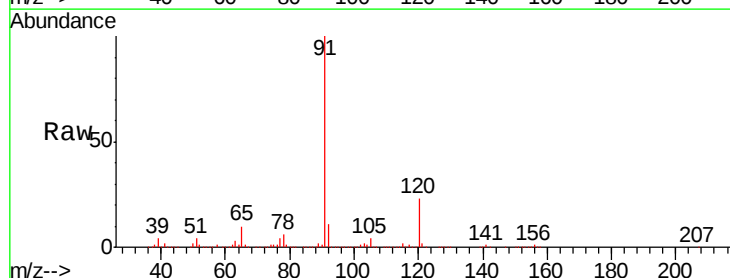
RT: 12.59 min Scan# 3365

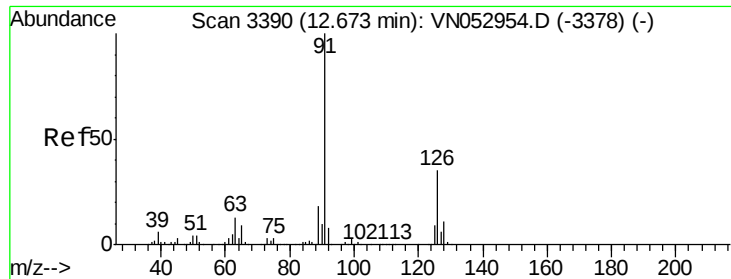
Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 45.083 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion: 91 Resp: 1689852

Ion Ratio Lower Upper

91 100

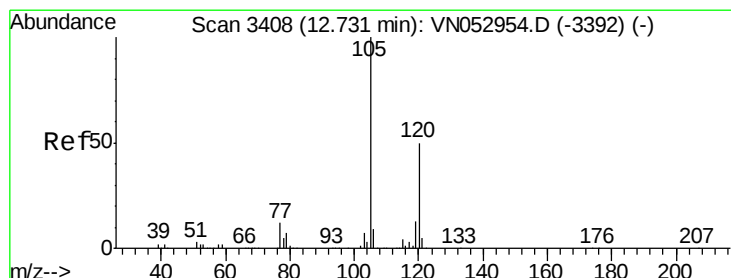
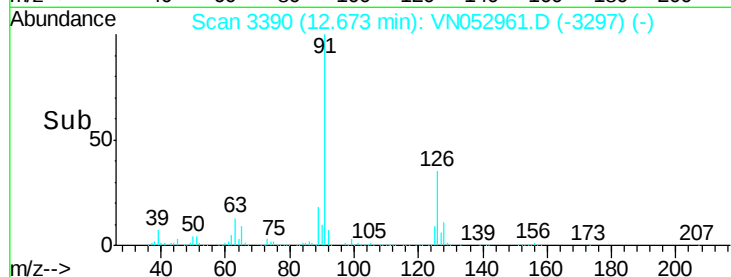
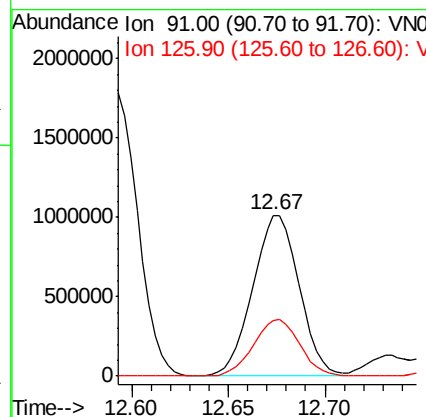
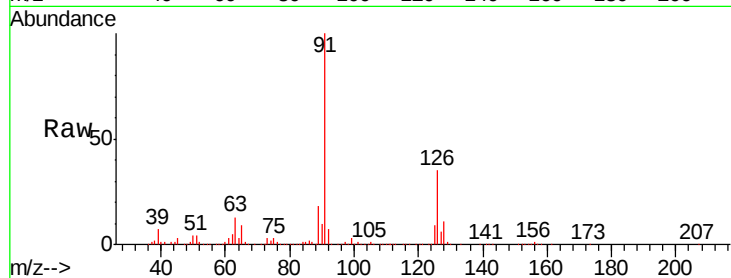
126 35.0 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 47.257 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052961.D

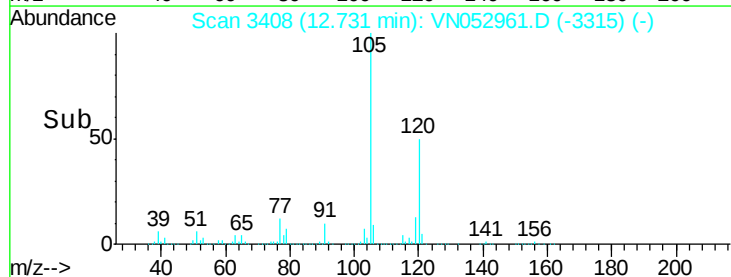
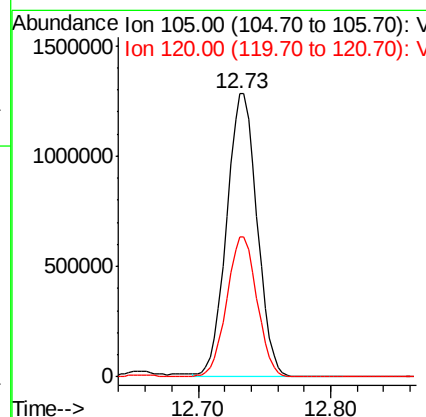
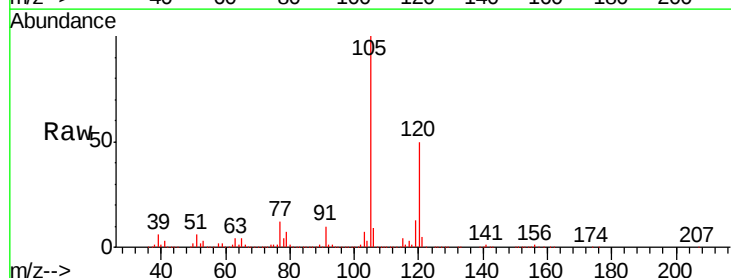
Acq: 18 Dec 2018 15:18

Tgt Ion: 105 Resp: 2045146

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





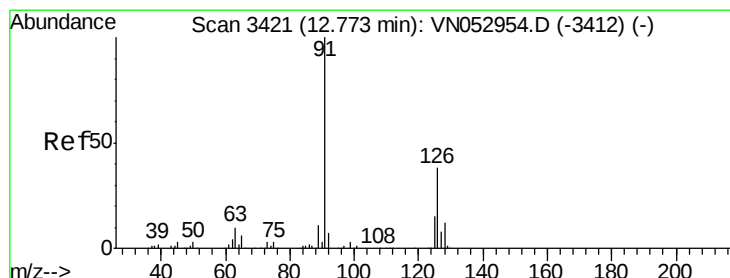
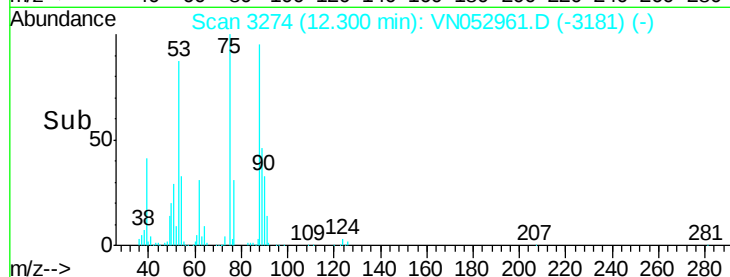
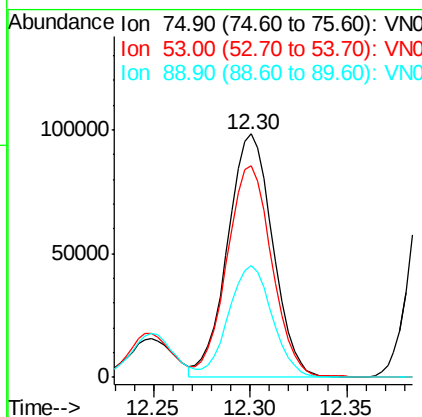
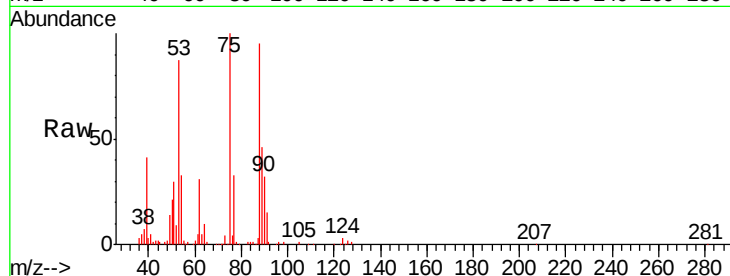
#81
trans-1,4-Dichloro-2-butene
Concen: 44.675 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 75 Resp: 158343
Ion Ratio Lower Upper
75 100
53 87.4 74.7 112.1
89 44.9 36.1 54.1

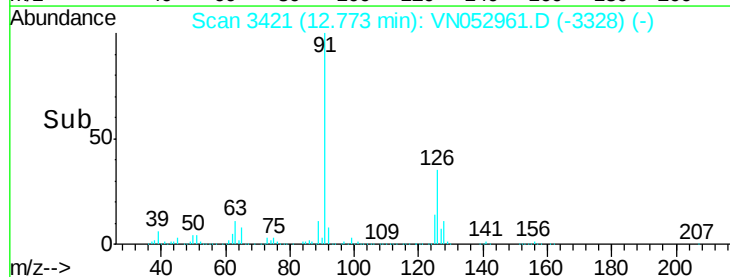
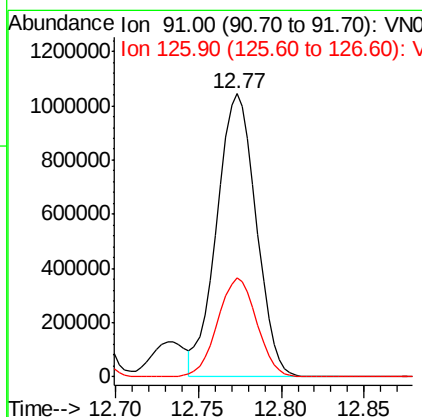
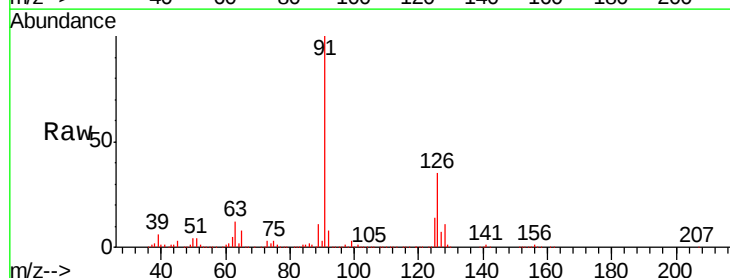
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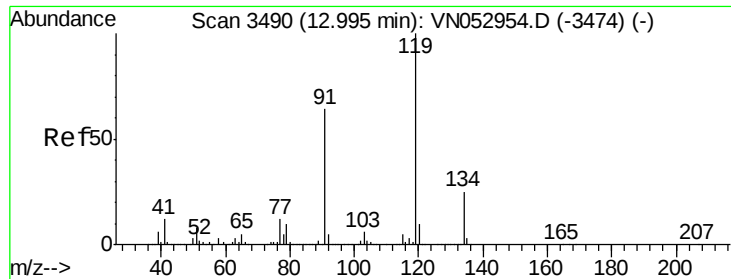
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#82
4-Chlorotoluene
Concen: 46.816 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 91 Resp: 1717785
Ion Ratio Lower Upper
91 100
126 34.7 17.3 51.7





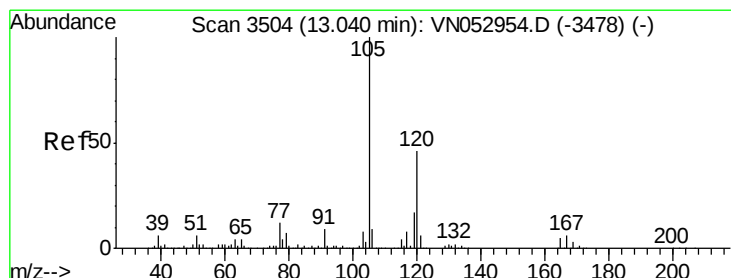
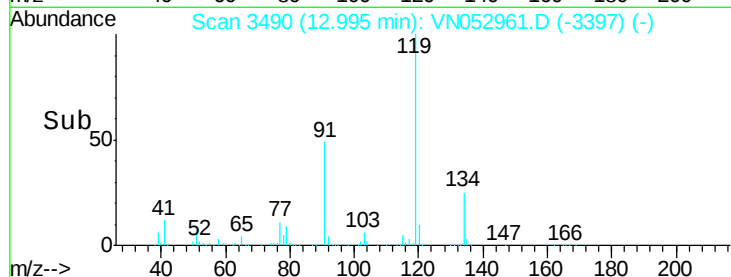
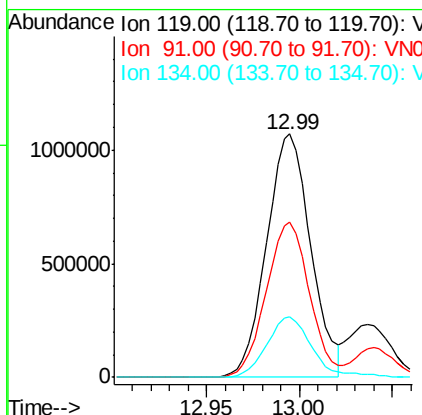
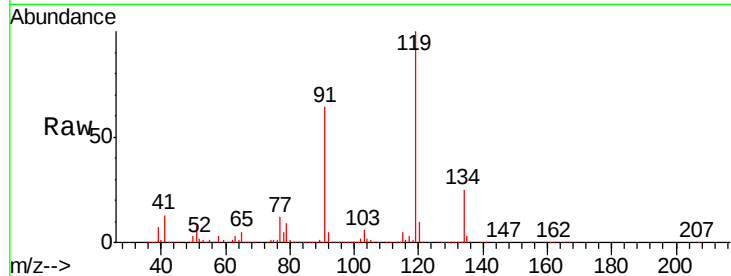
#83
 tert-Butylbenzene
 Concen: 46.603 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion:119 Resp: 1783719
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.9 95.5
 134 25.4 12.8 38.4

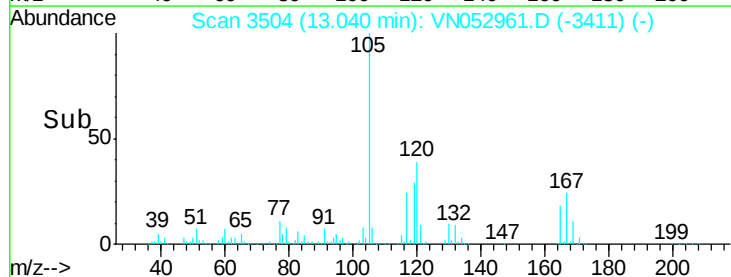
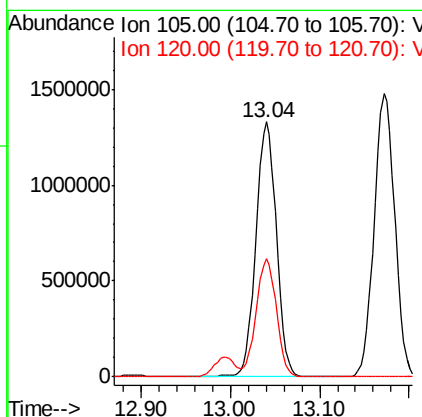
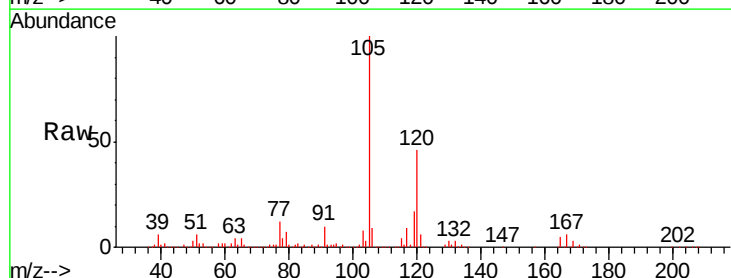
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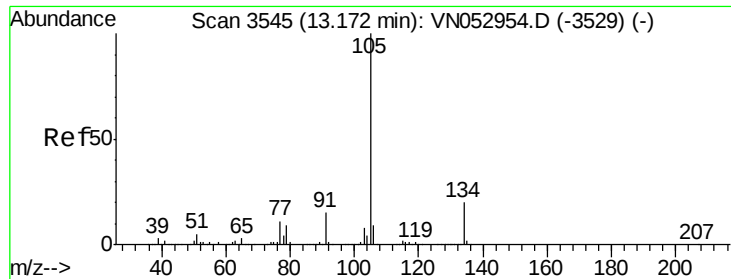
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.623 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion:105 Resp: 2115387
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





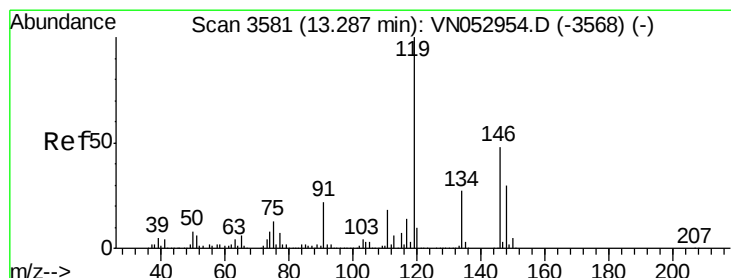
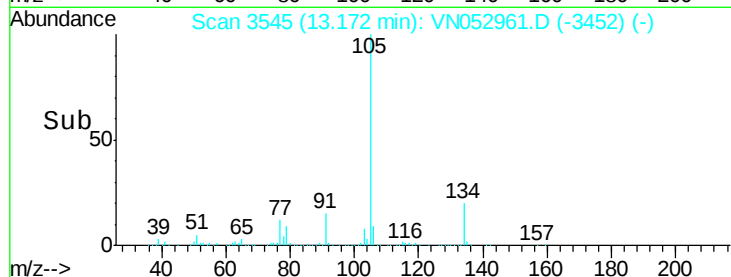
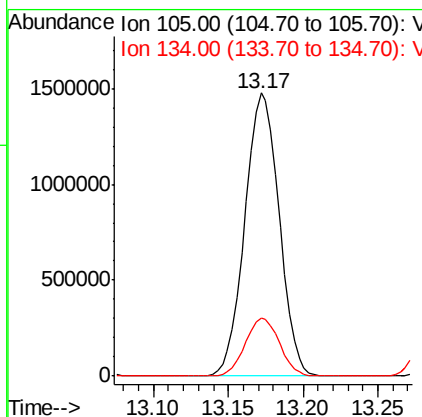
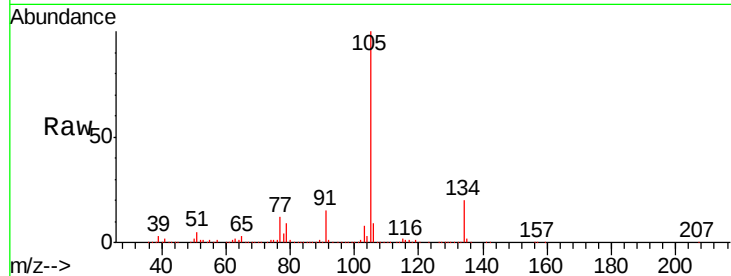
#85
 sec-Butylbenzene
 Concen: 45.526 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion:105 Resp: 2356916
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.1 30.3

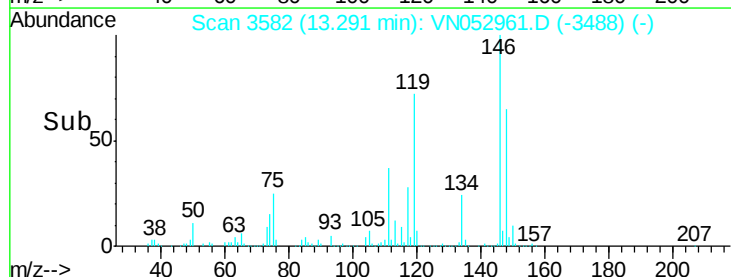
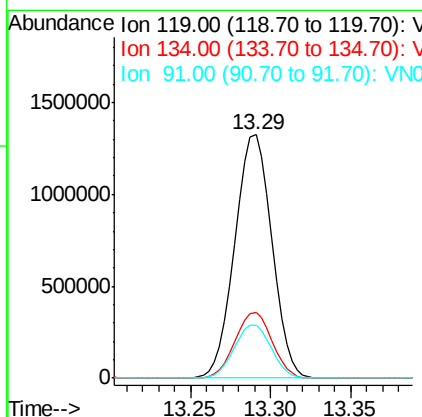
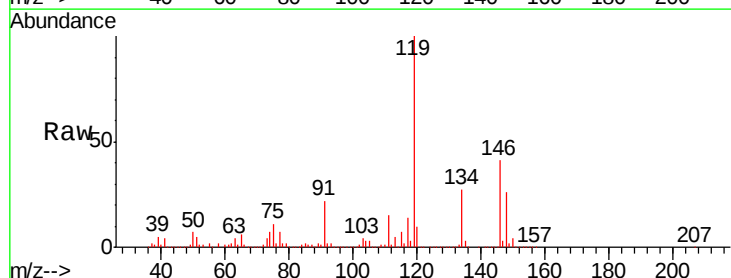
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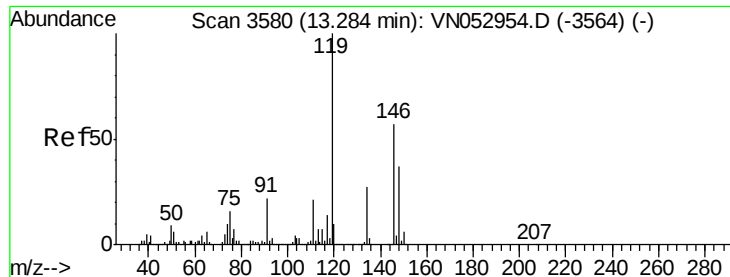
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#86
 p-Isopropyltoluene
 Concen: 46.545 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion:119 Resp: 2082145
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 21.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 46.824 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

Instrument :

MSVOA_N

ClientSampleId :

P001-SD012-0612-01MS

Tgt Ion:146 Resp: 1143790

Ion Ratio Lower Upper

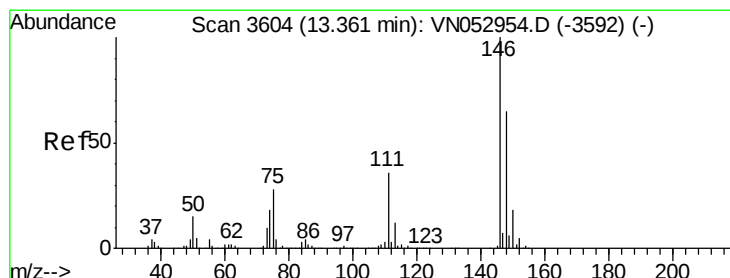
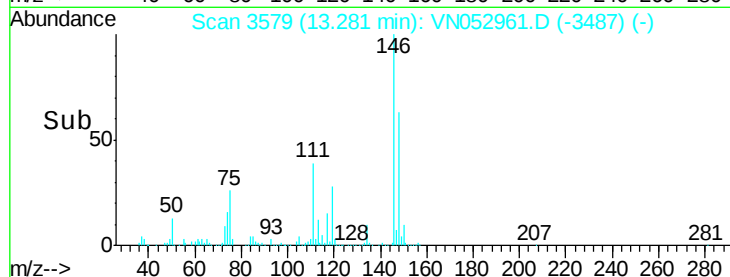
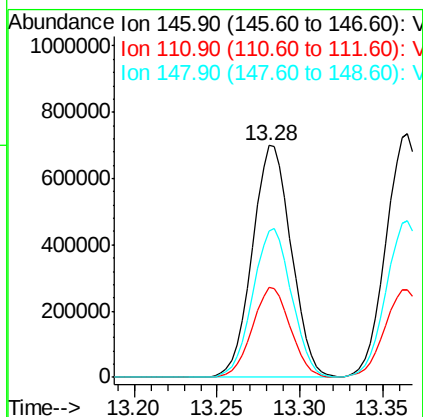
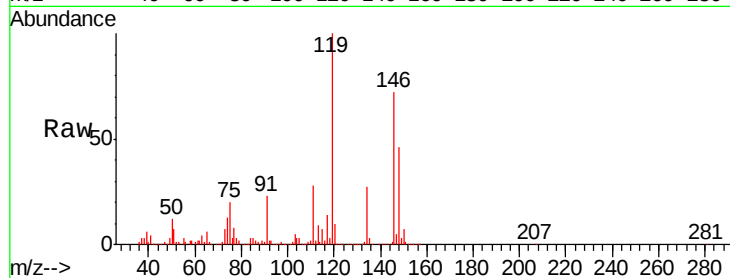
146 100

111 37.8 19.1 57.1

148 63.9 32.0 96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.300 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052961.D

Acq: 18 Dec 2018 15:18

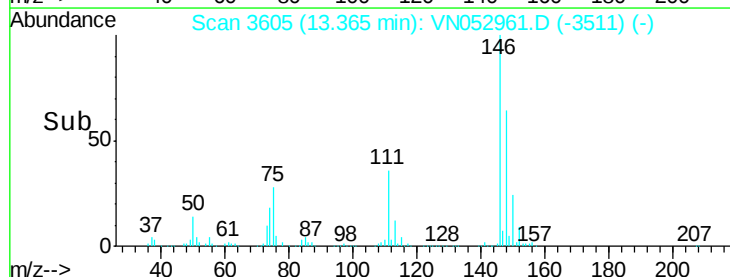
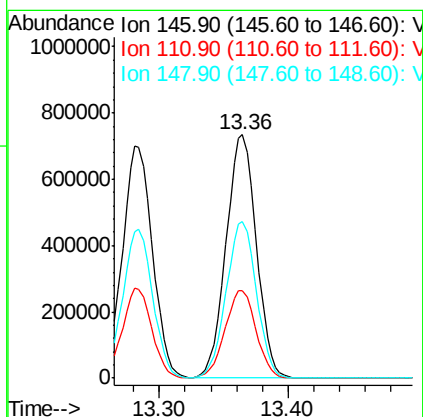
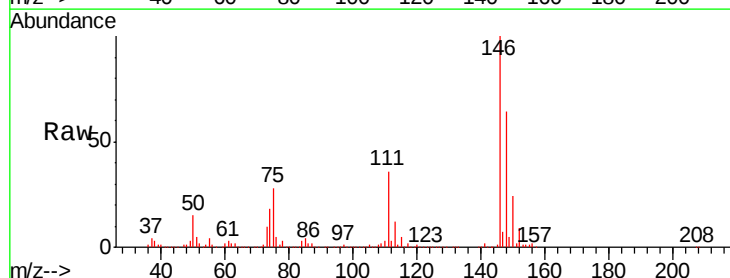
Tgt Ion:146 Resp: 1194830

Ion Ratio Lower Upper

146 100

111 36.9 18.6 55.8

148 64.3 32.1 96.5





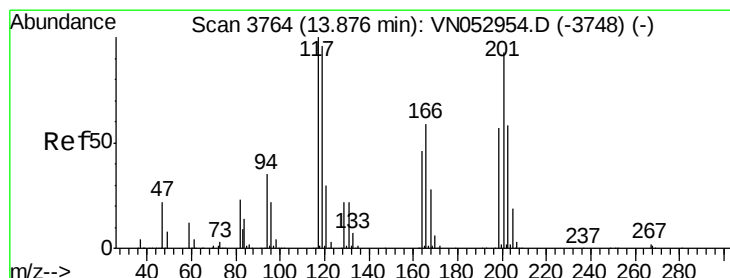
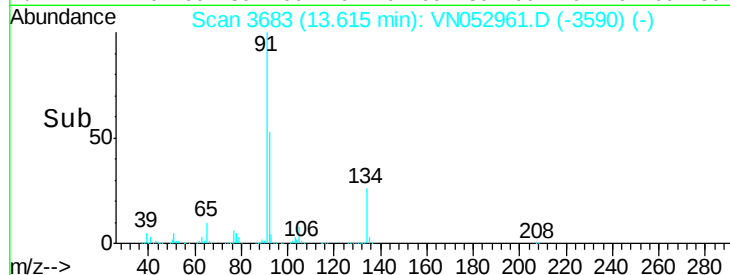
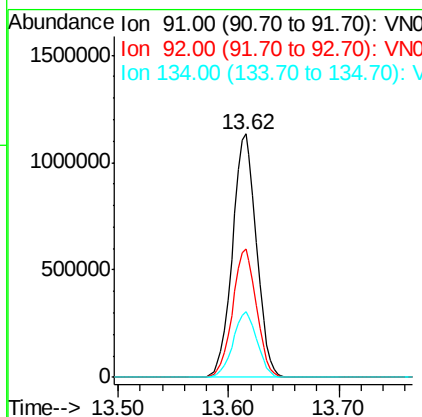
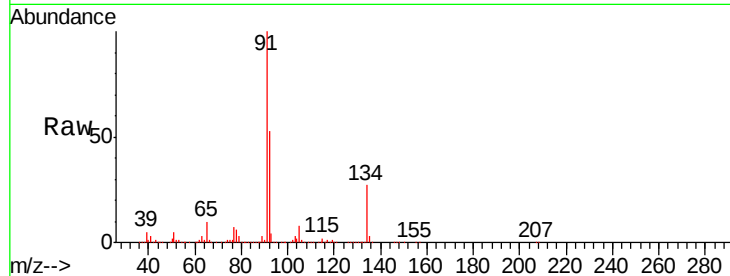
#89
n-Butylbenzene
Concen: 44.241 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion: 91 Resp: 1702616
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.9
134 27.1 13.3 39.8

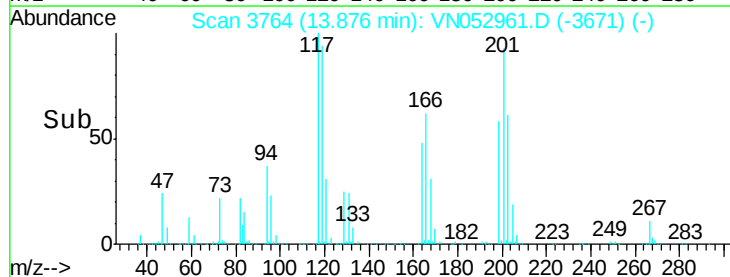
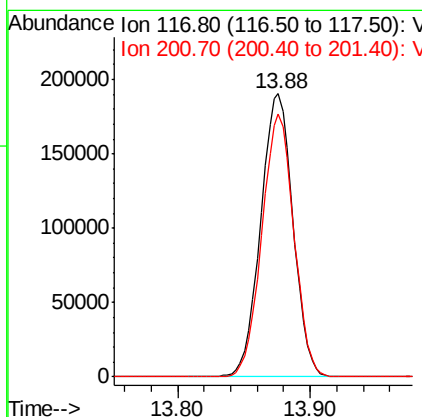
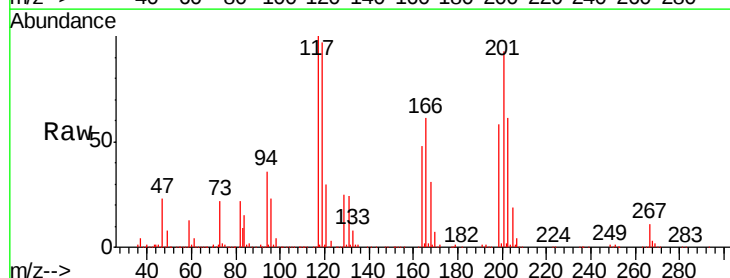
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#90
Hexachloroethane
Concen: 47.172 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion: 117 Resp: 323830
Ion Ratio Lower Upper
117 100
201 92.0 45.7 137.1





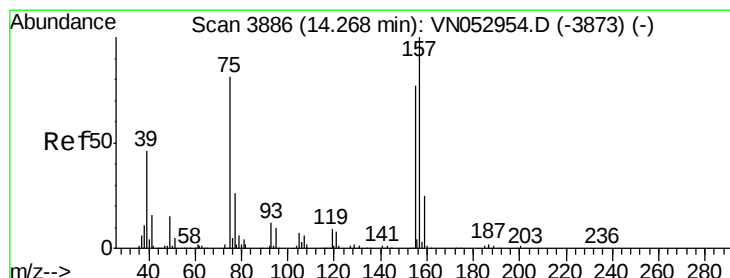
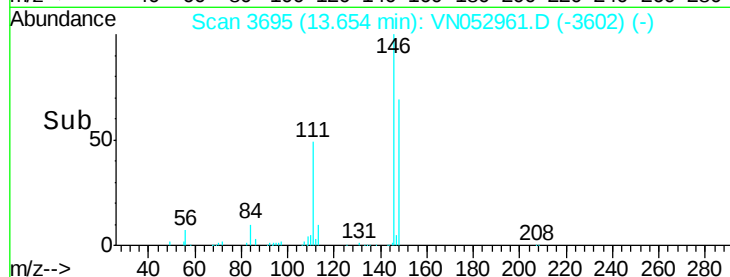
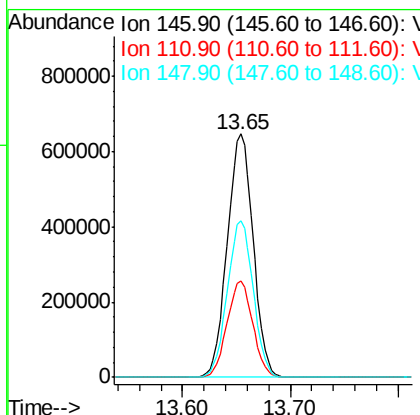
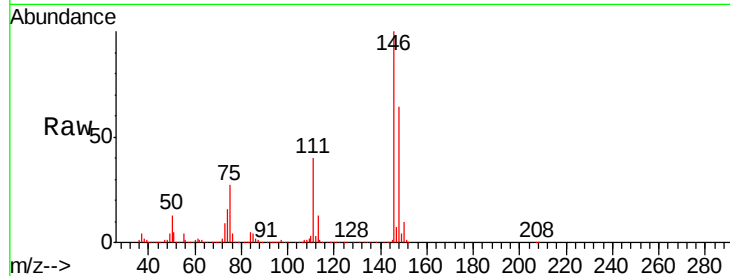
#91
 1,2-Dichlorobenzene
 Concen: 47.050 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion: 146 Resp: 1081668
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 64.3 32.0 96.0

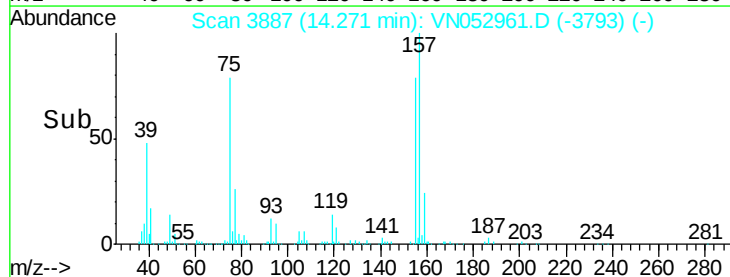
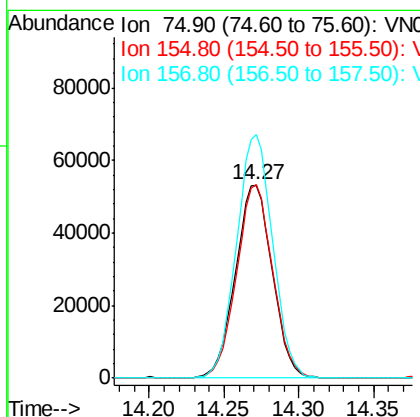
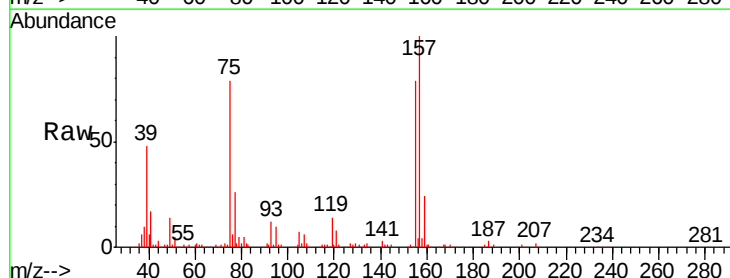
Manual Integrations
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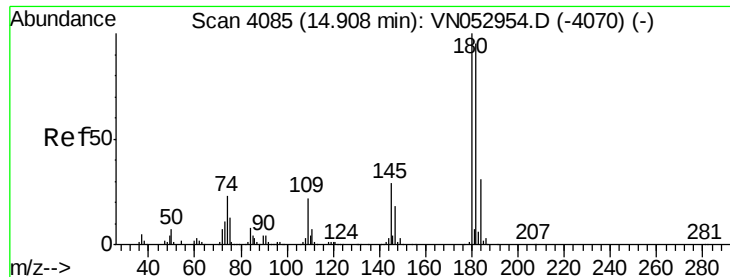
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.715 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion: 75 Resp: 91342
 Ion Ratio Lower Upper
 75 100
 155 97.9 48.2 144.6
 157 123.6 61.2 183.5





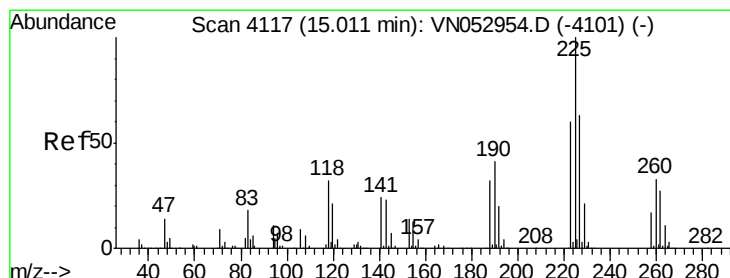
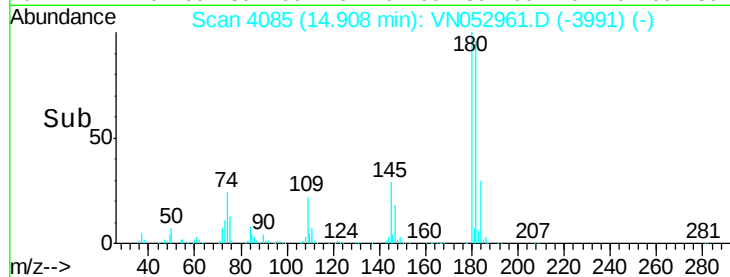
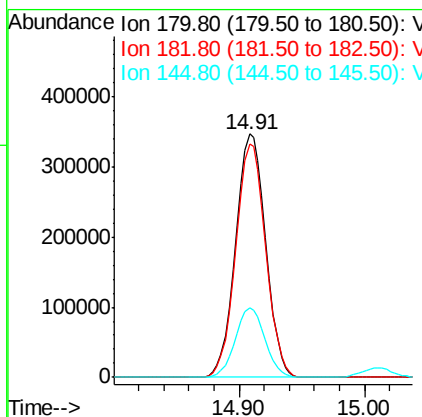
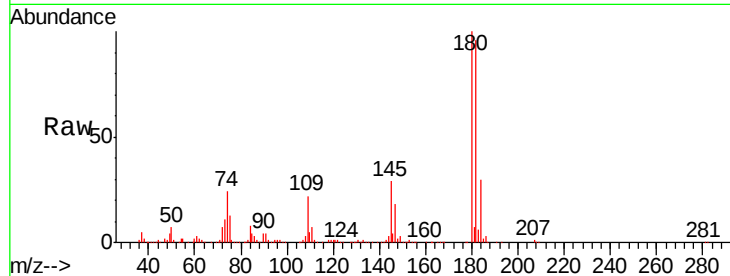
#93
 1,2,4-Trichlorobenzene
 Concen: 47.332 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD012-0612-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	576115		
182	95.6	47.8	143.3	
145	28.4	14.2	42.6	

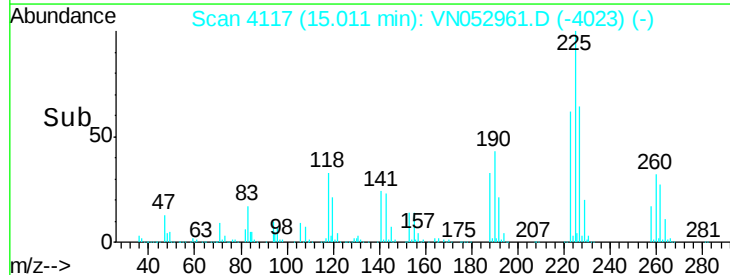
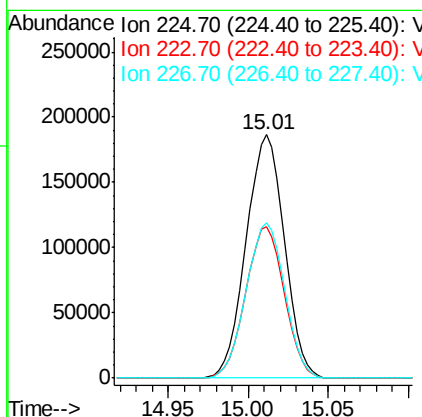
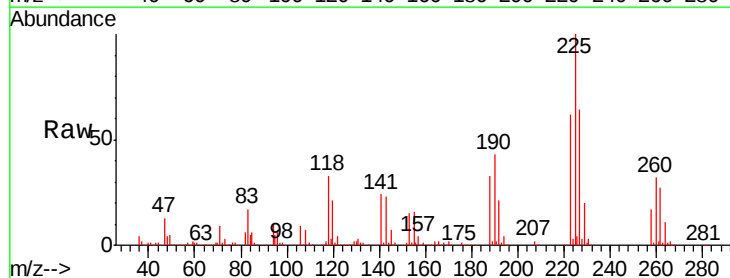
Manual Integrations
 APPROVED

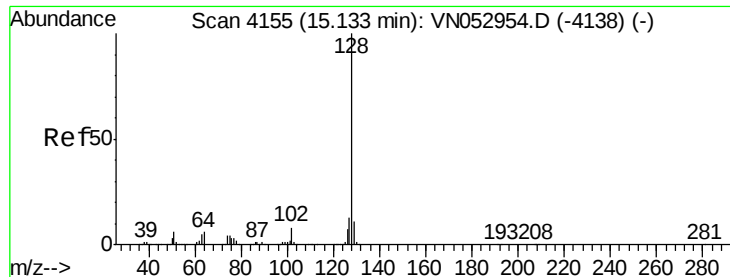
MMDadoda
 12/19/2018 12:06:41 PM



#94
 Hexachlorobutadiene
 Concen: 48.307 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052961.D
 Acq: 18 Dec 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	305266		
223	62.8	31.5	94.5	
227	64.3	31.9	95.7	





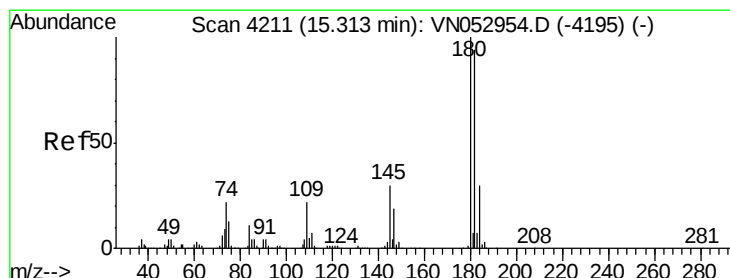
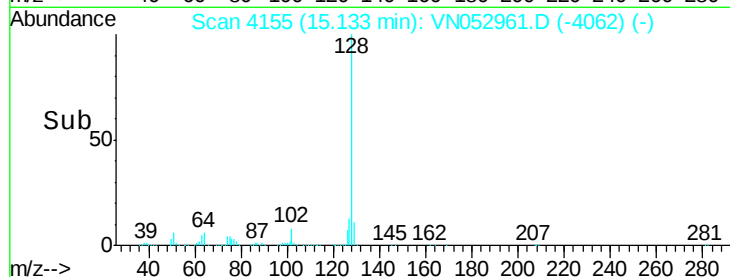
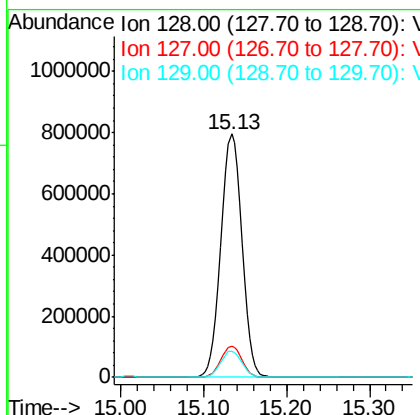
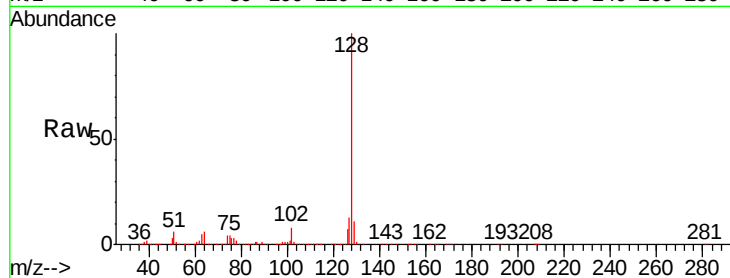
#95
Naphthalene
Concen: 52.279 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Instrument :
MSVOA_N
ClientSampleId :
P001-SD012-0612-01MS

Tgt Ion:128 Resp: 1396316
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.7 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:06:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.802 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052961.D
Acq: 18 Dec 2018 15:18

Tgt Ion:180 Resp: 524060
Ion Ratio Lower Upper
180 100
182 95.6 47.9 143.7
145 30.0 15.0 45.0

