

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051976.D
 Acq On : 24 Oct 2018 9:45
 Operator : MD\SY
 Sample : VN1024WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Manual Integrations
 APPROVED

apatel
 10/25/2018 9:23:37 AM

Quant Time: Oct 25 10:11:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1111234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1610261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1481067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	775231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	474351	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	496785	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.09	98	1796870	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.40	95	618726	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	134057	19.010	ug/l	99
3) Chloromethane	2.06	50	122308	19.263	ug/l	98
4) Vinyl Chloride	2.19	62	154057	18.101	ug/l	97
5) Bromomethane	2.58	94	156374	19.190	ug/l	96
6) Chloroethane	2.71	64	109198	17.282	ug/l	100
7) Trichlorofluoromethane	3.03	101	285249	18.810	ug/l	97
8) Diethyl Ether	3.41	74	84099	18.653	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	181139	19.940	ug/l	99
10) Methyl Iodide	3.96	142	261407	19.449	ug/l	99
11) Tert butyl alcohol	4.79	59	45567	88.965	ug/l	99
12) 1,1-Dichloroethene	3.74	96	158332	19.462	ug/l	98
13) Acrolein	3.61	56	24555	108.144	ug/l	94
14) Allyl chloride	4.33	41	152118	17.670	ug/l	95
15) Acrylonitrile	4.99	53	200160	92.575	ug/l	99
16) Acetone	3.82	43	147470	90.440	ug/l	97
17) Carbon Disulfide	4.06	76	364038	18.825	ug/l	97
18) Methyl Acetate	4.33	43	93159	17.304	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	411132	18.823	ug/l	99
20) Methylene Chloride	4.55	84	175975	18.397	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	172881	18.764	ug/l	96
22) Diisopropyl ether	5.95	45	372071	18.891	ug/l	95
23) Vinyl Acetate	5.90	43	1271289	94.885	ug/l	100
24) 1,1-Dichloroethane	5.85	63	268831	18.696	ug/l	99
25) 2-Butanone	6.83	43	220341	94.789	ug/l	98
26) 2,2-Dichloropropane	6.82	77	258108	19.619	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	202992	18.860	ug/l	99
28) Bromochloromethane	7.19	49	111565	19.251	ug/l	97
29) Tetrahydrofuran	7.21	42	143636	91.200	ug/l	96
30) Chloroform	7.37	83	334171	19.032	ug/l	97
31) Cyclohexane	7.65	56	236981	18.892	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	306785	19.108	ug/l	99
36) 1,1-Dichloropropene	7.79	75	235754	19.086	ug/l	99
37) Ethyl Acetate	6.93	43	101438	17.119	ug/l	99
38) Carbon Tetrachloride	7.78	117	270961	19.108	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	294030	19.489	ug/l	99
40) Benzene	8.04	78	701933	19.139	ug/l	100
41) Methacrylonitrile	7.17	41	49212	17.730	ug/l	98
42) 1,2-Dichloroethane	8.12	62	221702	18.854	ug/l	99
43) Isopropyl Acetate	8.17	43	193974	18.751	ug/l #	85
44) Trichloroethene	8.83	130	224295	19.053	ug/l	98
45) 1,2-Dichloropropane	9.12	63	161296	19.442	ug/l	99
46) Dibromomethane	9.21	93	125976	18.837	ug/l	99
47) Bromodichloromethane	9.40	83	239024	18.924	ug/l	99
48) Methyl methacrylate	9.20	41	92664	18.533	ug/l	99
49) 1,4-Dioxane	9.20	88	33653	367.057	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	520317	91.441	ug/l	99
52) Toluene	10.16	92	476473	19.159	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	223113	18.111	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	257380	19.496	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	172890	18.815	ug/l	96
56) Ethyl methacrylate	10.43	69	188353	19.069	ug/l	98
57) 1,3-Dichloropropane	10.71	76	263961	18.922	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	499269	96.603	ug/l	100
59) 2-Hexanone	10.75	43	351819	92.022	ug/l	100
60) Dibromochloromethane	10.90	129	188190	17.397	ug/l	96
61) 1,2-Dibromoethane	11.00	107	183118	18.901	ug/l	99
64) Tetrachloroethene	10.63	164	214518	18.871	ug/l	98
65) Chlorobenzene	11.43	112	572504	19.145	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	204229	19.001	ug/l	98
67) Ethyl Benzene	11.51	91	936344	19.480	ug/l	100
68) m/p-Xylenes	11.62	106	750957	39.102	ug/l	98
69) o-Xylene	11.95	106	365541	19.571	ug/l	99
70) Styrene	11.96	104	583698	19.553	ug/l	99
71) Bromoform	12.13	173	114942	17.052	ug/l #	99
73) Isopropylbenzene	12.25	105	986818	20.072	ug/l	100
74) N-amyl acetate	12.07	43	176671	18.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	195864	19.280	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	139101m	17.371	ug/l	
77) Bromobenzene	12.53	156	262215	19.325	ug/l	98
78) n-propylbenzene	12.59	91	1076832	20.304	ug/l	99
79) 2-Chlorotoluene	12.67	91	619879	20.070	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	819311	20.771	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41639	17.961	ug/l	98
82) 4-Chlorotoluene	12.77	91	641644	20.065	ug/l	99
83) tert-Butylbenzene	12.99	119	754748	20.230	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	824938	20.275	ug/l	100
85) sec-Butylbenzene	13.17	105	994638	20.413	ug/l	99
86) p-Isopropyltoluene	13.29	119	892102	20.336	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	483254	19.310	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	480546	19.477	ug/l	99
89) n-Butylbenzene	13.61	91	697406	19.965	ug/l	99
90) Hexachloroethane	13.87	117	131156	20.068	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	462248	19.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25313	16.228	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234985	16.432	ug/l	99
94) Hexachlorobutadiene	15.01	225	134562	18.312	ug/l	98
95) Naphthalene	15.13	128	455539	14.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	206214	15.086	ug/l	100

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

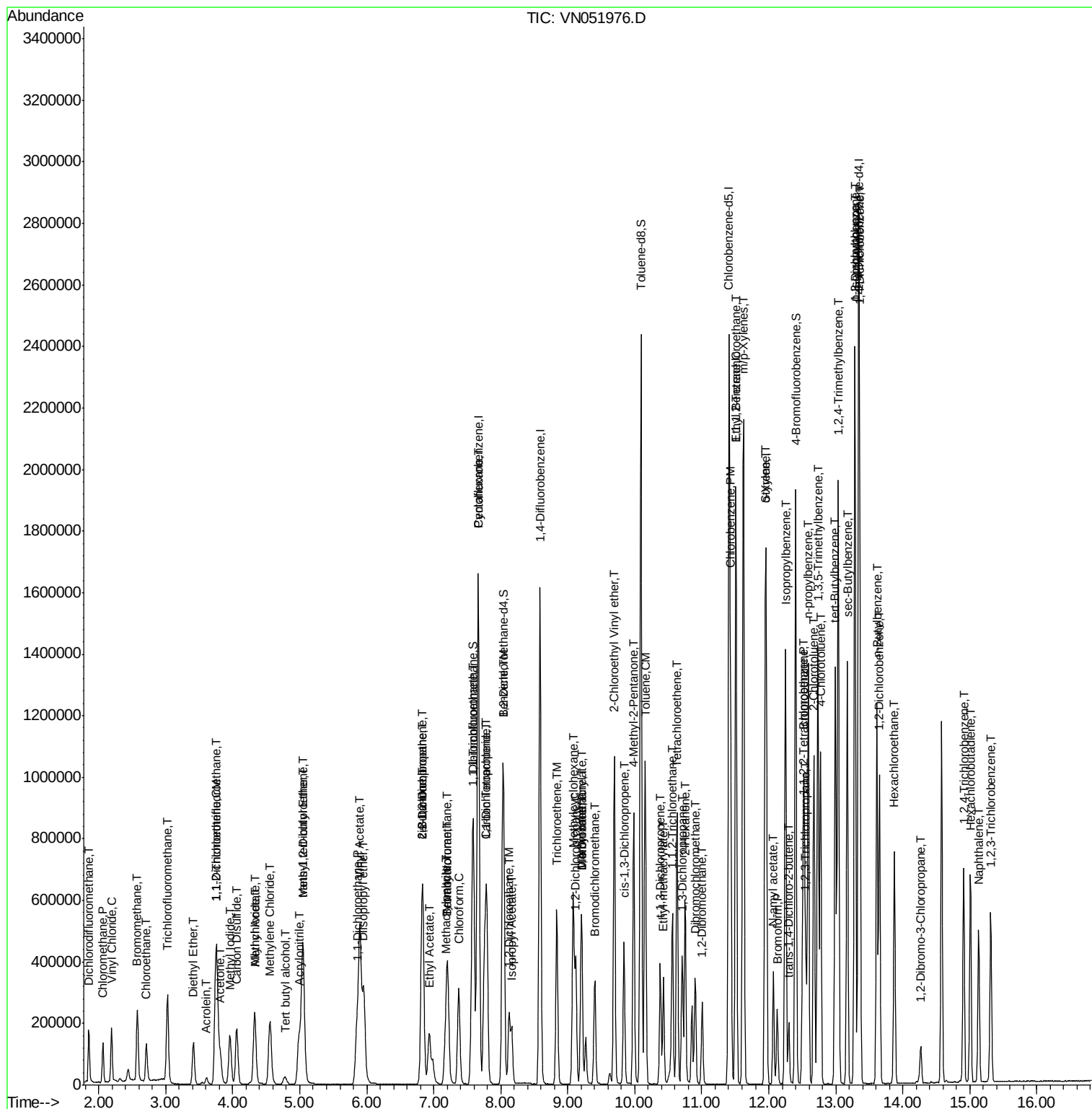
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Data File : VN051976.D
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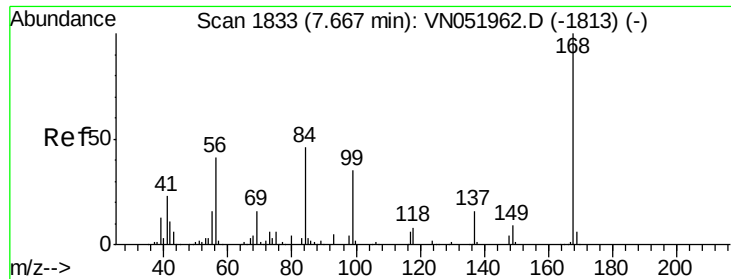
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion:168 Resp: 1111234

Ion Ratio Lower Upper

168 100

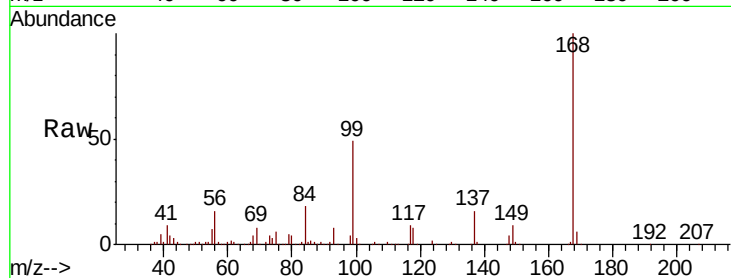
99 49.1 37.8 56.6

Manual Integrations

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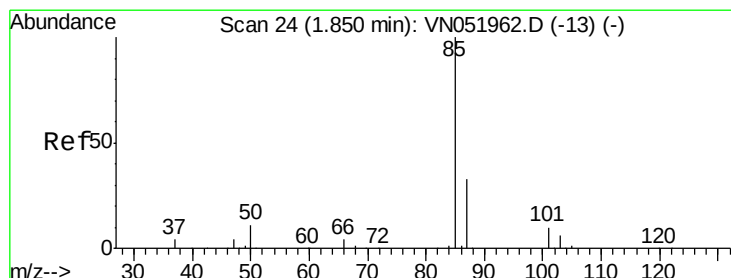
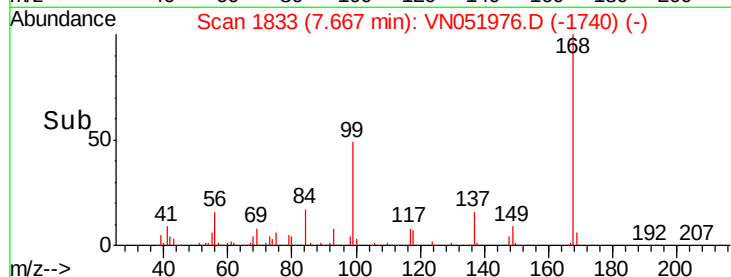
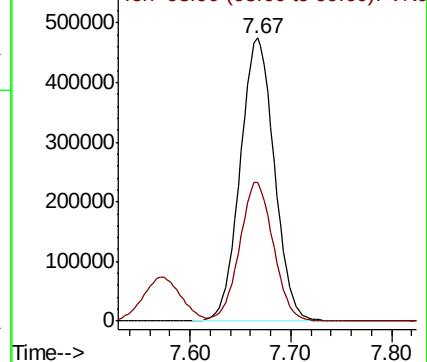
apatel

10/25/2018 9:23:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.010 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051976.D

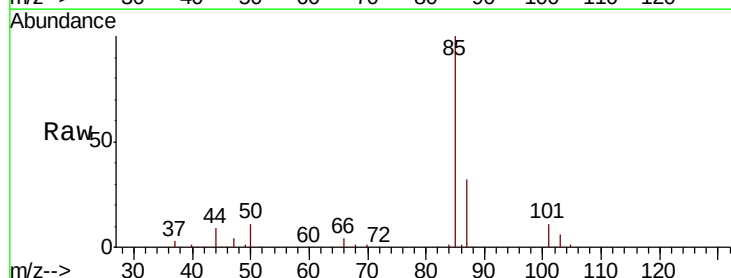
Acq: 24 Oct 2018 9:45

Tgt Ion: 85 Resp: 134057

Ion Ratio Lower Upper

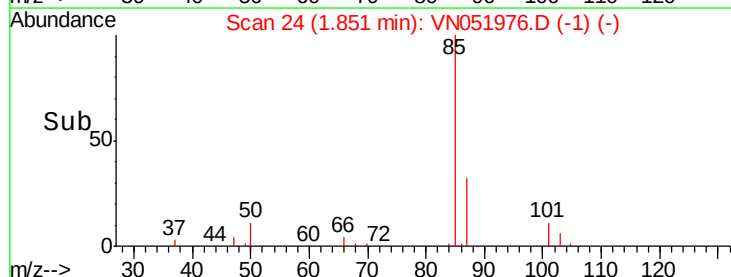
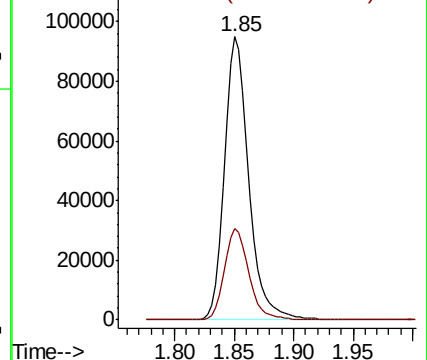
85 100

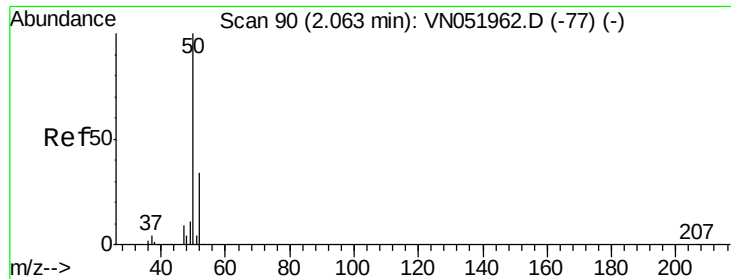
87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.263 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 50 Resp: 122308

Ion Ratio Lower Upper

50 100

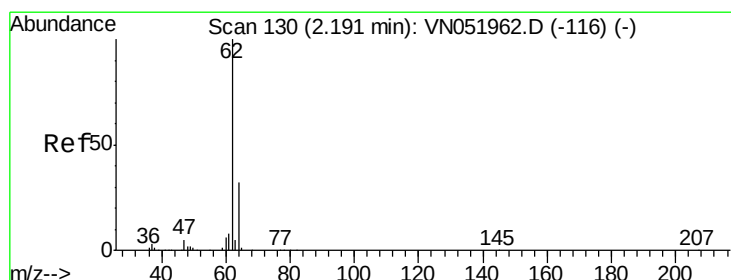
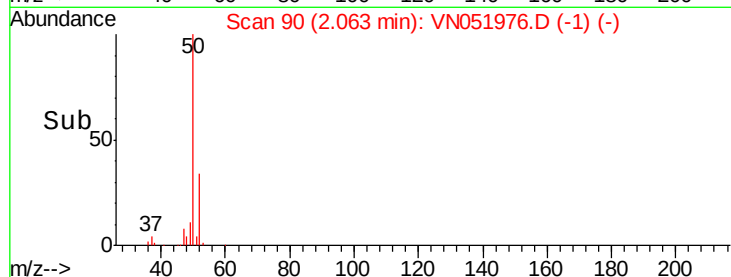
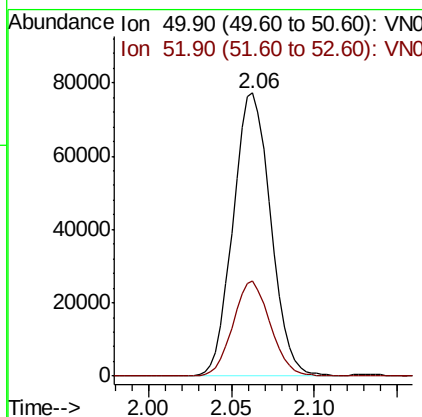
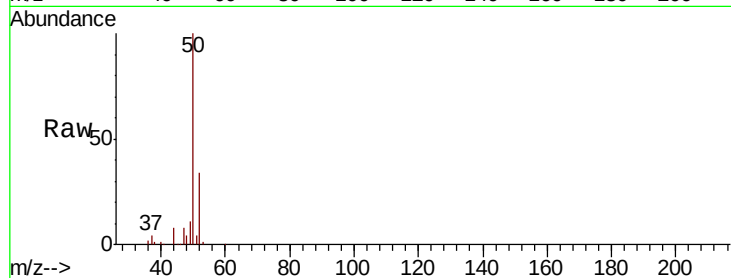
52 33.5 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.101 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051976.D

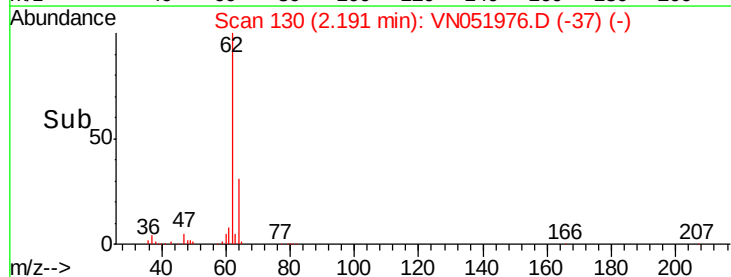
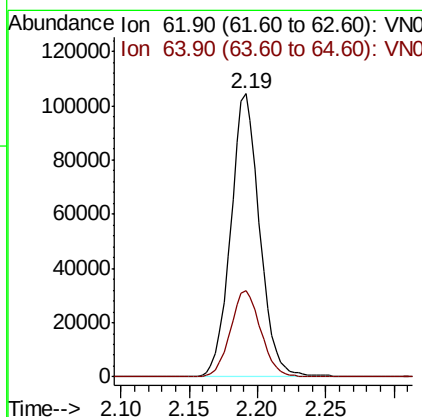
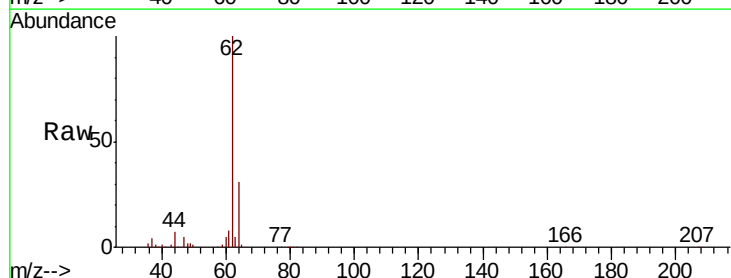
Acq: 24 Oct 2018 9:45

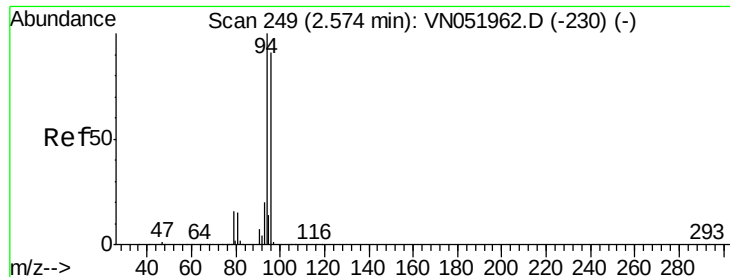
Tgt Ion: 62 Resp: 154057

Ion Ratio Lower Upper

62 100

64 30.6 26.0 39.0





#5

Bromomethane

Concen: 19.190 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 94 Resp: 156374

Ion Ratio Lower Upper

94 100

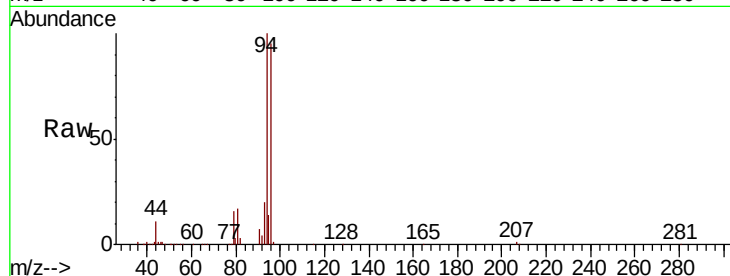
96 95.3 73.0 109.6

Manual Integrations

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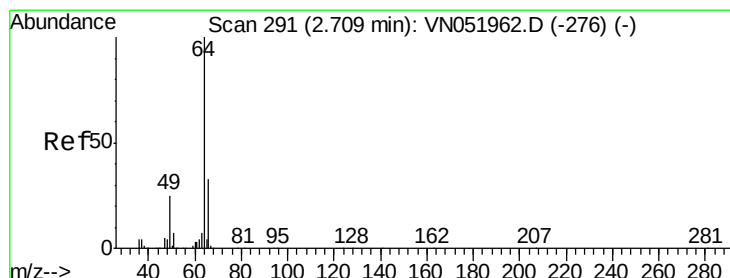
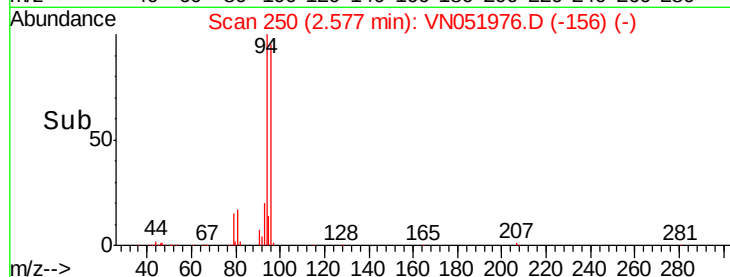
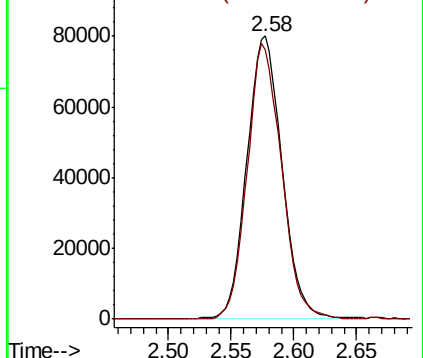
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.282 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051976.D

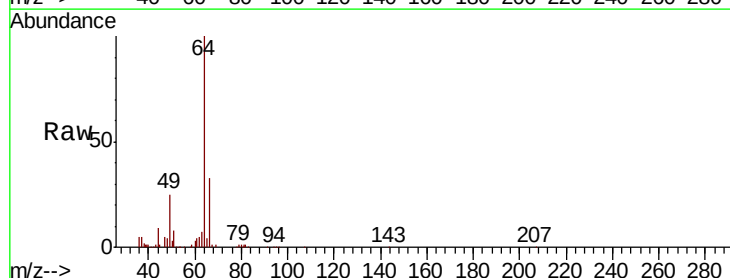
Acq: 24 Oct 2018 9:45

Tgt Ion: 64 Resp: 109198

Ion Ratio Lower Upper

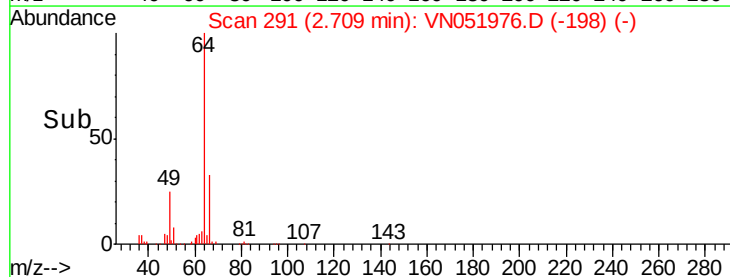
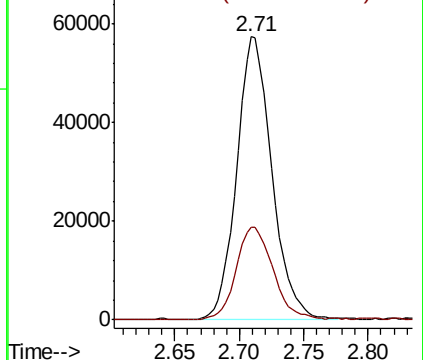
64 100

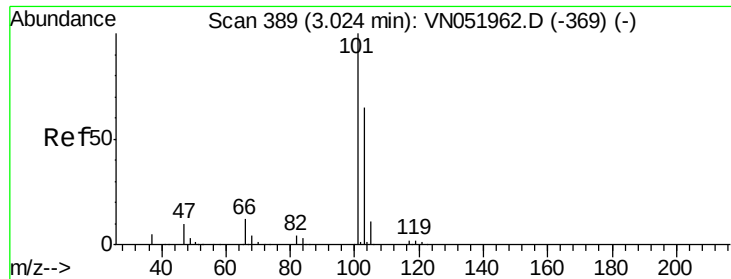
66 32.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

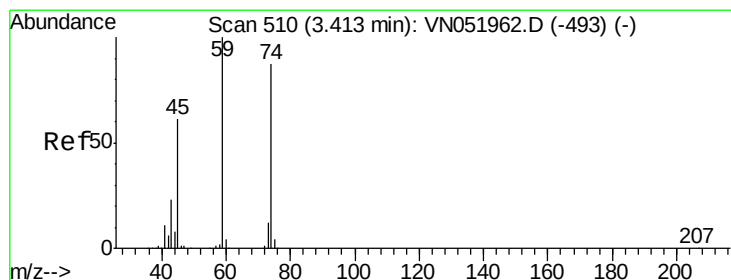
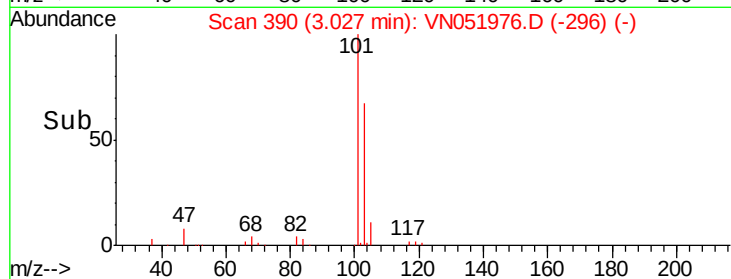
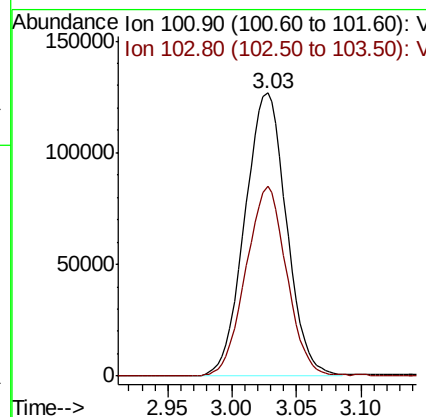
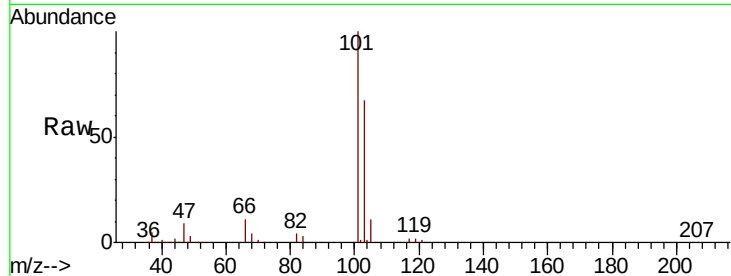
Trichlorofluoromethane
 Concen: 18.810 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.0	78.0

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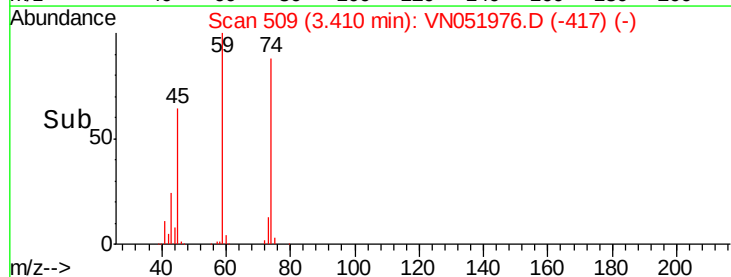
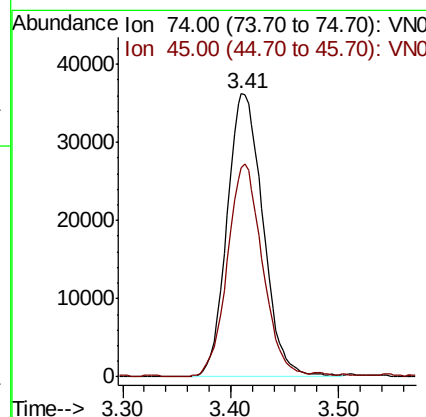
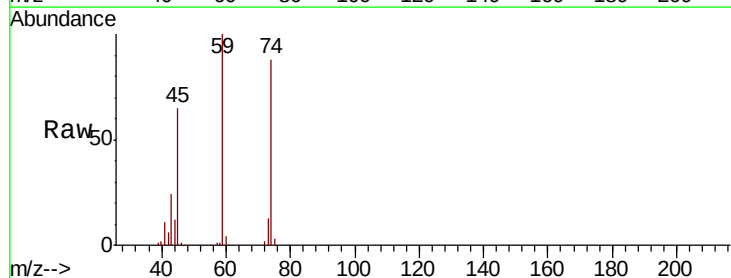
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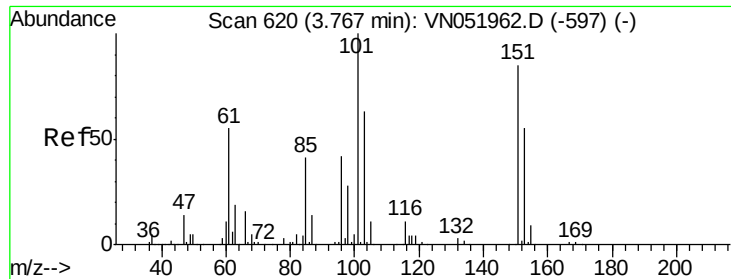


#8

Diethyl Ether
 Concen: 18.653 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.4	35.5	106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.940 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

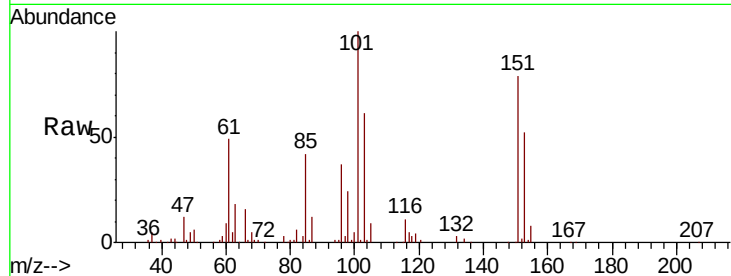
ClientSampleId :

VN1024WBS01

Tot Ion:	101	Resp:	181139
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	84.5	69.1	103.7

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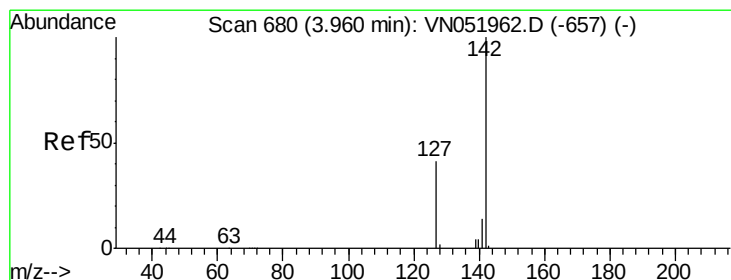
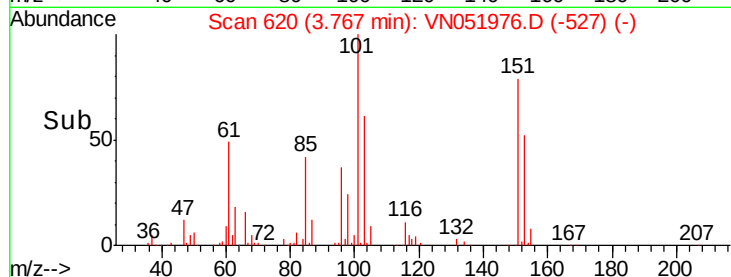
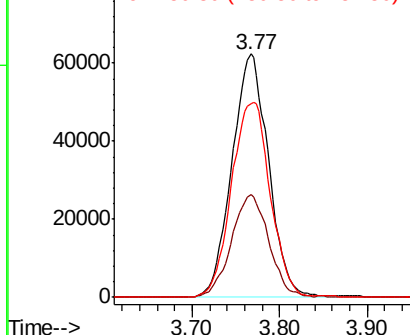


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.449 ug/l

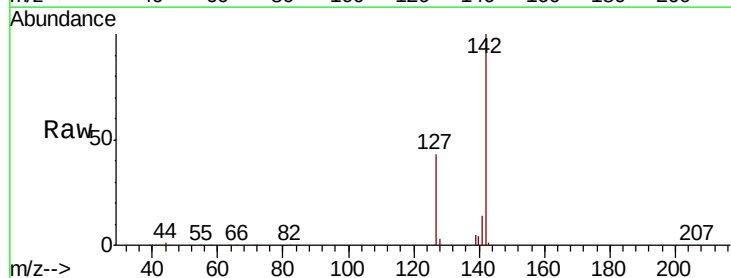
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:	142	Resp:	261407
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.3	51.5
141	14.4	11.4	17.0

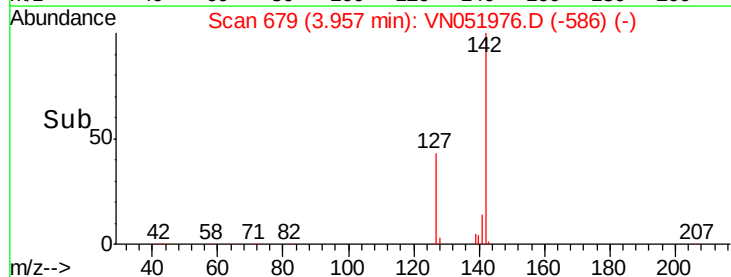
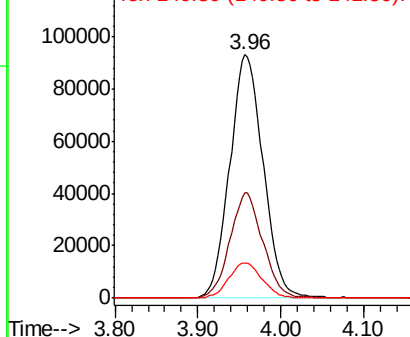


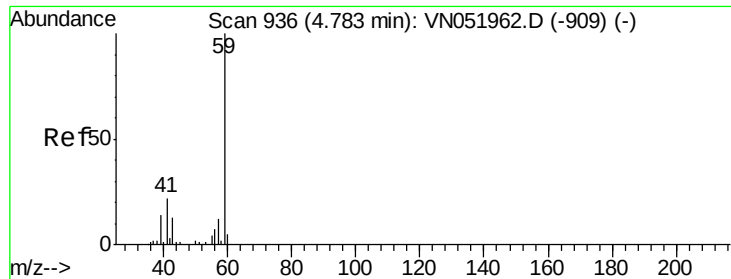
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





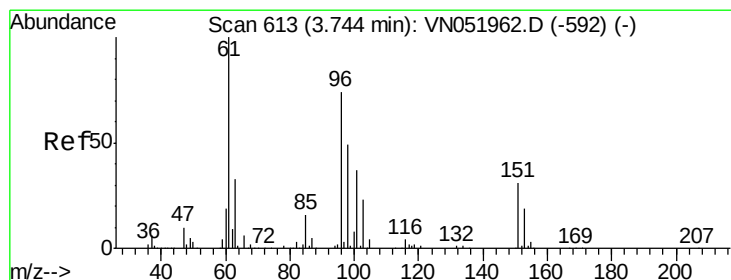
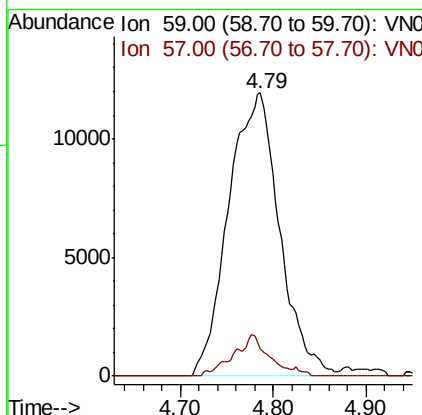
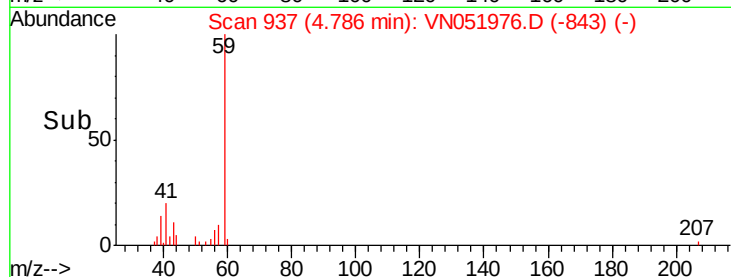
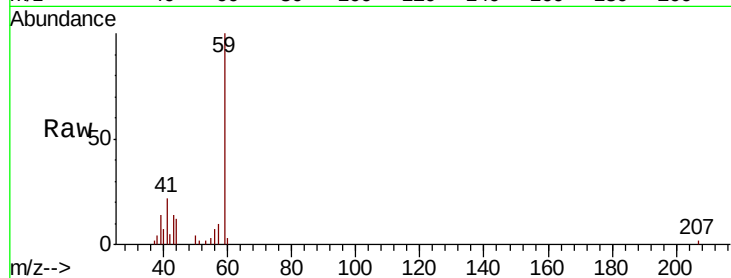
#11
Tert butyl alcohol
Concen: 88.965 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

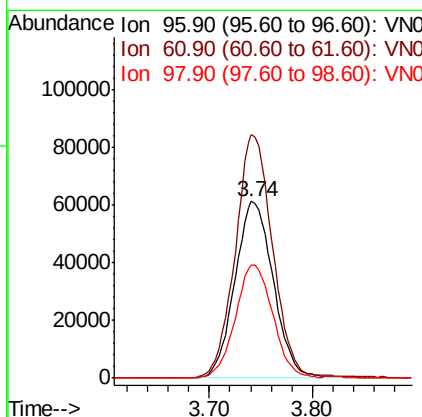
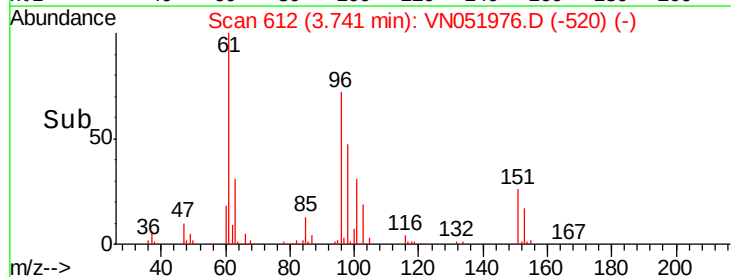
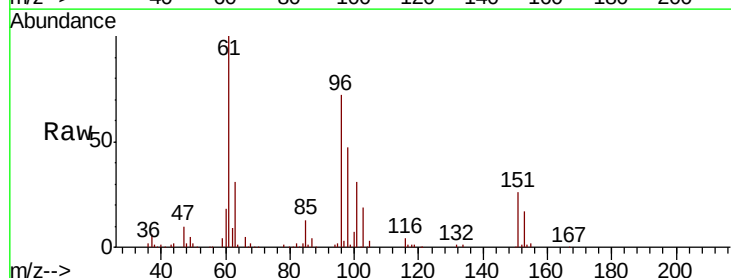
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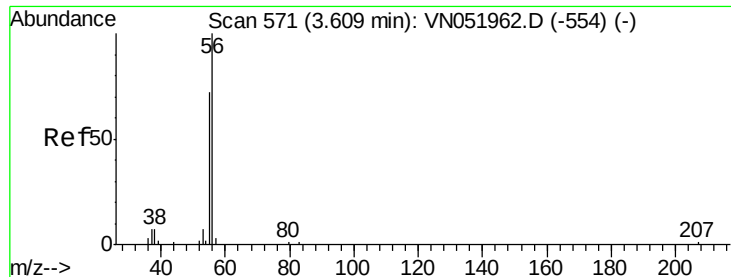
apatel
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#12
1,1-Dichloroethene
Concen: 19.462 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.9	107.8	161.8
98	64.3	52.7	79.1





#13

Acrolein

Concen: 108.144 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 56 Resp: 24555

Ion Ratio Lower Upper

56 100

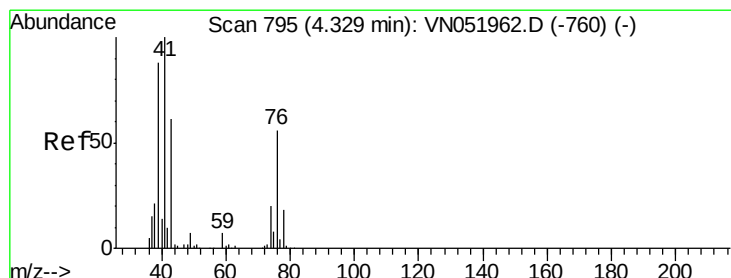
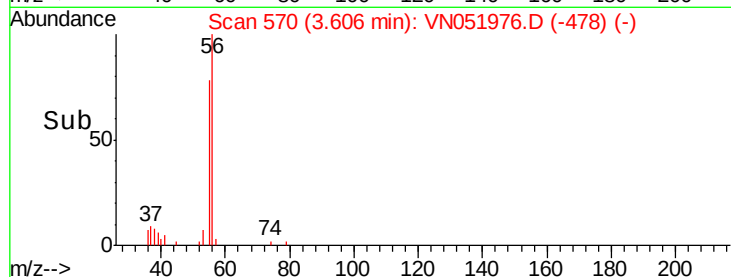
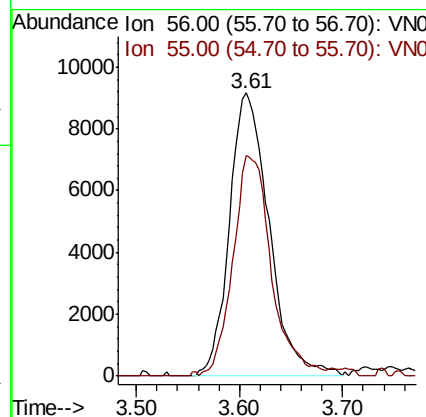
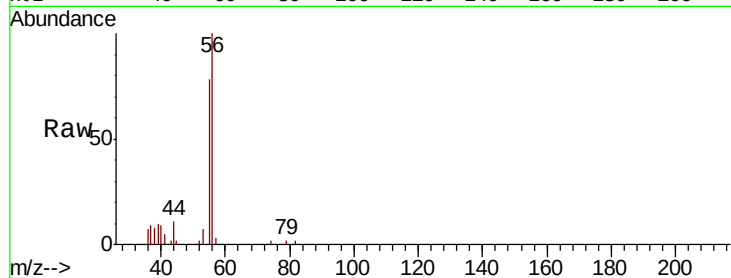
55 75.3 56.6 84.8

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#14

Allyl chloride

Concen: 17.670 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

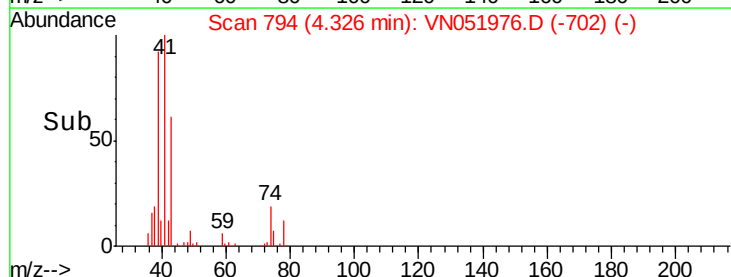
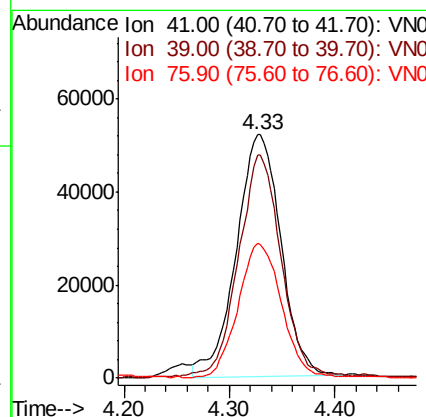
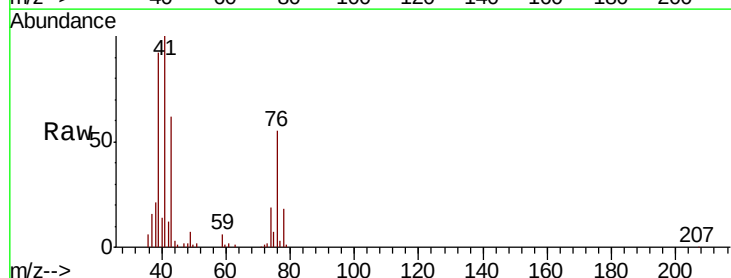
Tgt Ion: 41 Resp: 152118

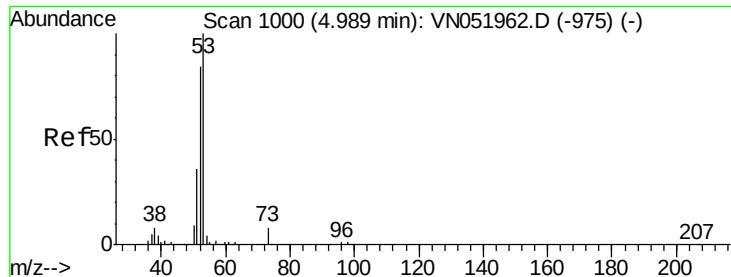
Ion Ratio Lower Upper

41 100

39 89.5 67.7 101.5

76 54.8 41.3 61.9





#15

Acrylonitrile

Concen: 92.575 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

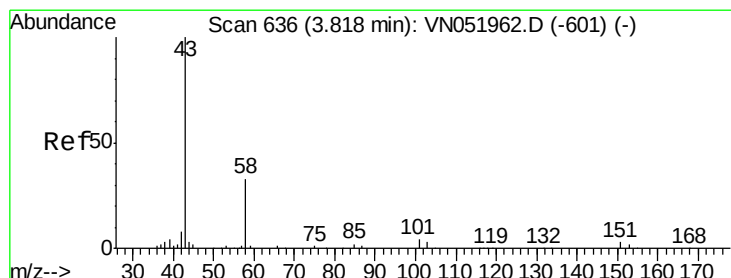
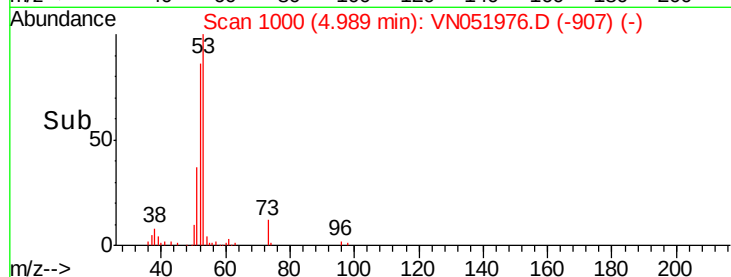
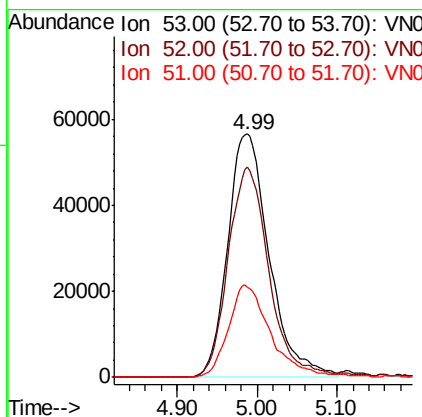
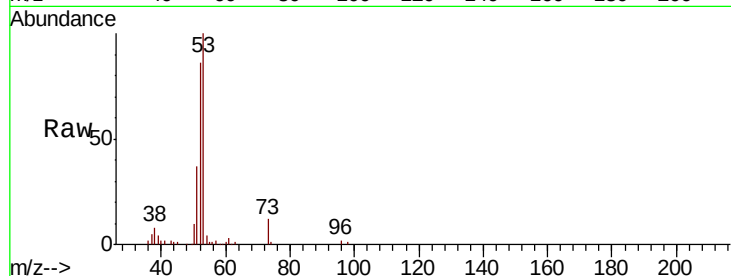
ClientSampleId :

VN1024WBS01

Tot Ion	53	Resp	200160
Ion Ratio	Lower	Upper	
53	100		
52	84.5	67.0	100.4
51	38.3	29.5	44.3

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#16

Acetone

Concen: 90.440 ug/l

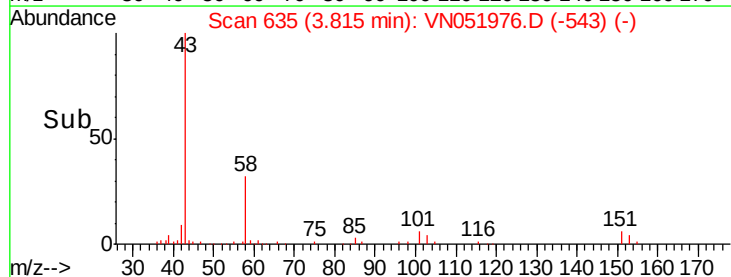
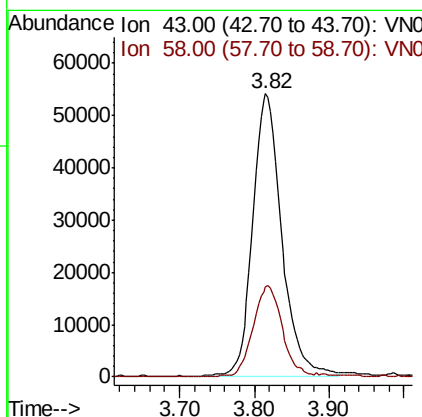
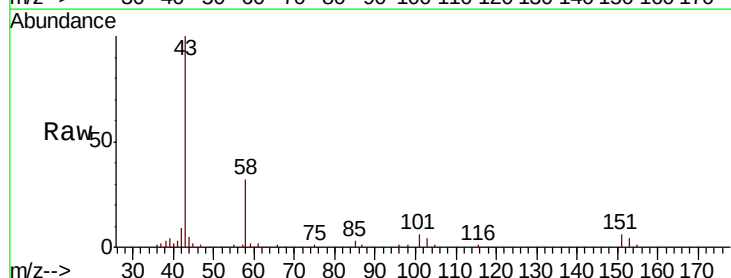
RT: 3.82 min Scan# 635

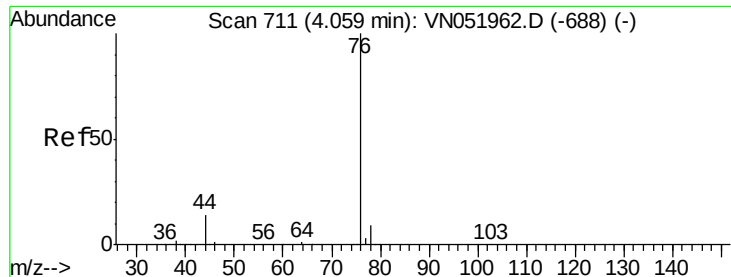
Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion	43	Resp	147470
Ion Ratio	Lower	Upper	
43	100		
58	31.8	26.7	40.1





#17

Carbon Disulfide

Concen: 18.825 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 76 Resp: 364038

Ion Ratio Lower Upper

76 100

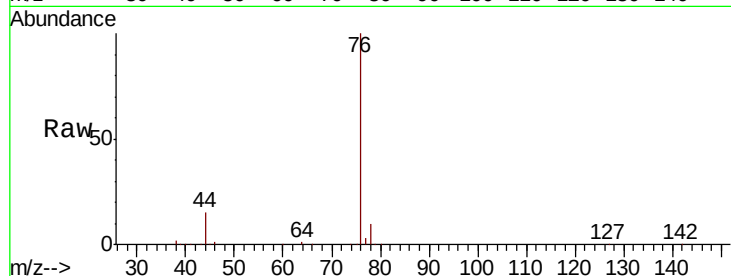
78 10.0 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN051976.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN051976.D (-618) (-)

4.06

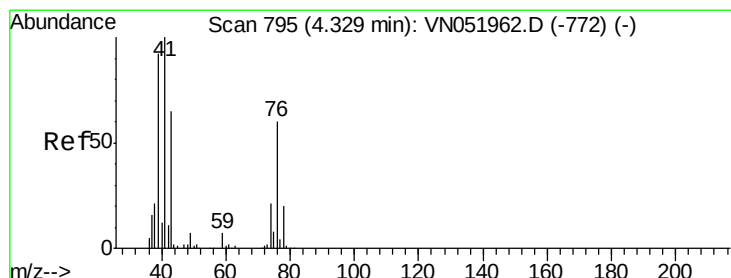
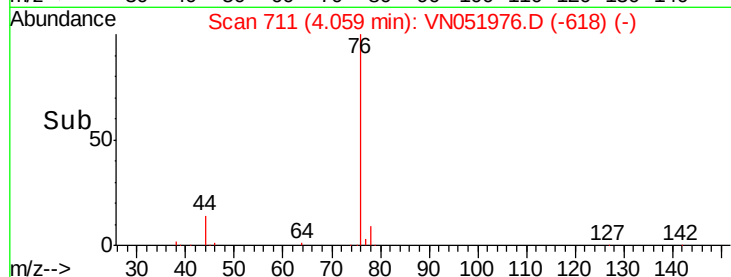
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.304 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051976.D

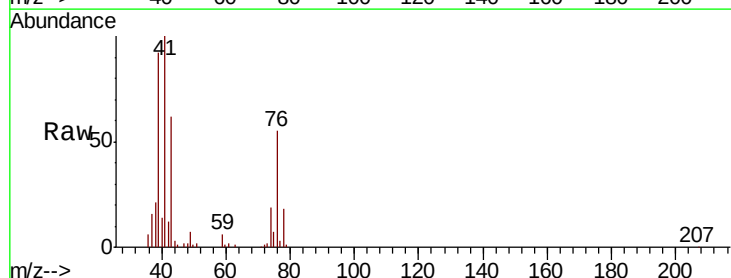
Acq: 24 Oct 2018 9:45

Tgt Ion: 43 Resp: 93159

Ion Ratio Lower Upper

43 100

74 33.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN051976.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN051976.D (-702) (-)

4.33

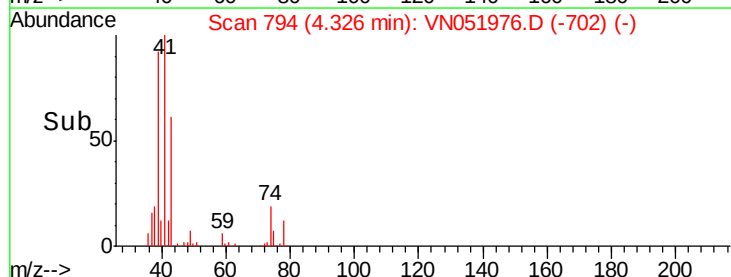
30000

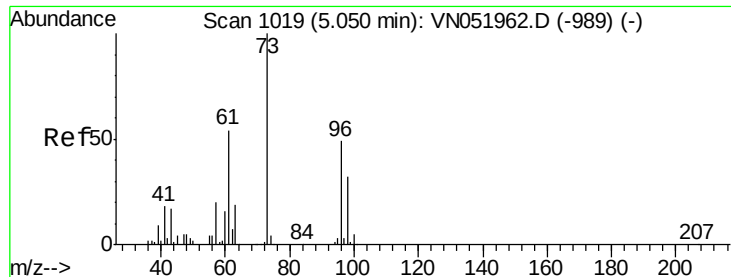
20000

10000

0

Time-->





#19

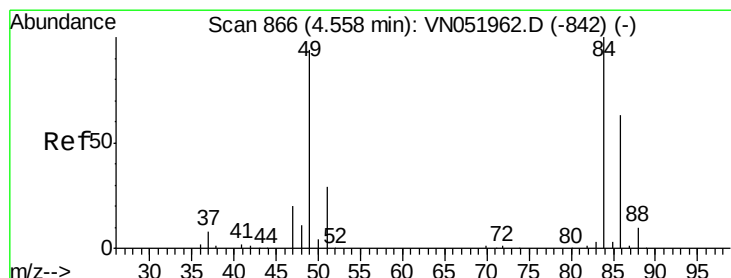
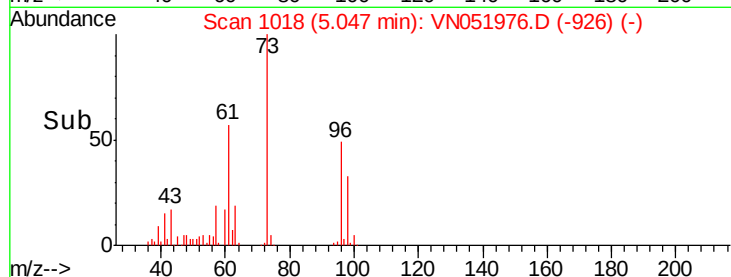
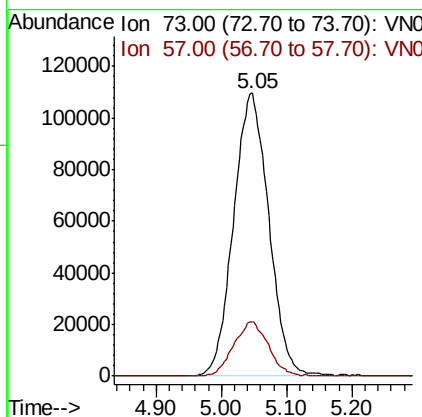
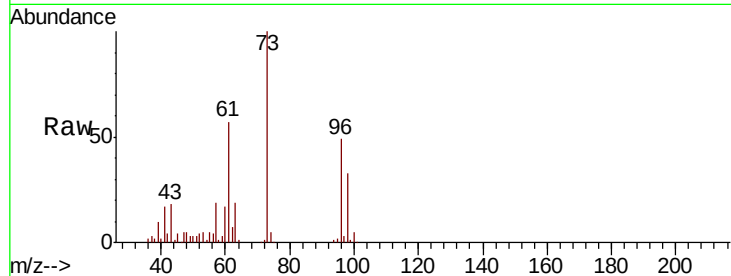
Methyl tert-butyl Ether
 Concen: 18.823 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion: 73 Resp: 411132
 Ion Ratio Lower Upper
 73 100
 57 19.2 15.9 23.9

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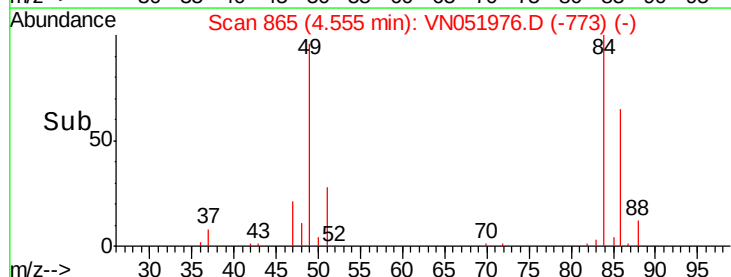
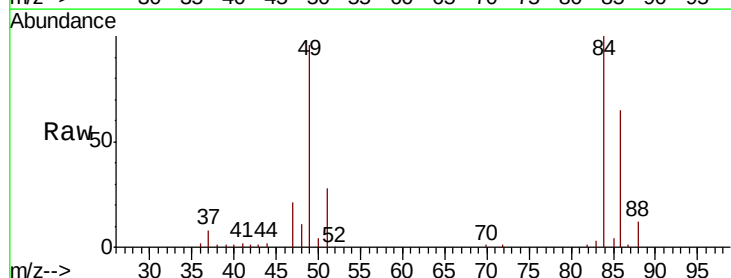
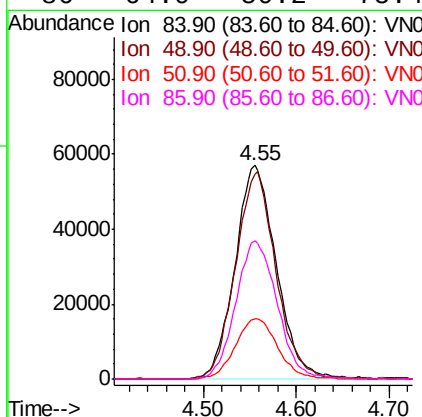
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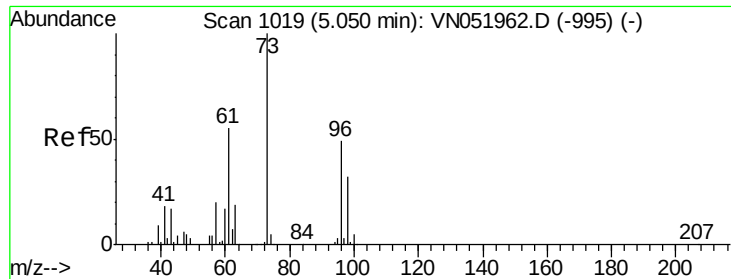


#20

Methylene Chloride
 Concen: 18.397 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion: 84 Resp: 175975
 Ion Ratio Lower Upper
 84 100
 49 96.0 75.4 113.0
 51 28.2 23.1 34.7
 86 64.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 18.764 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

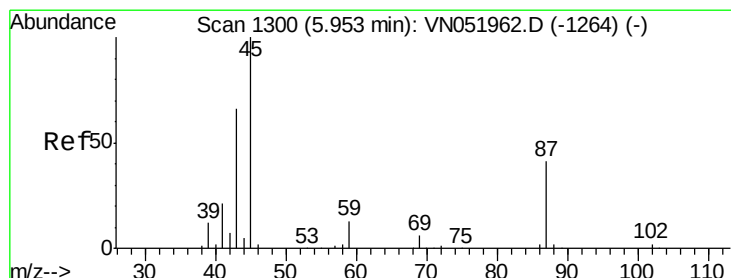
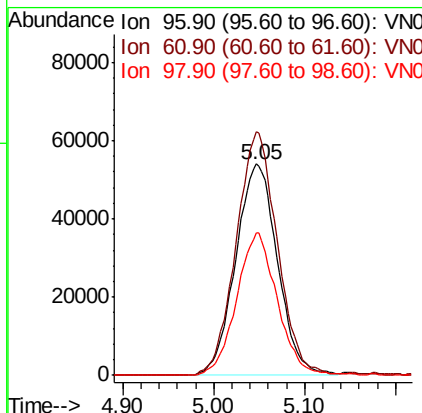
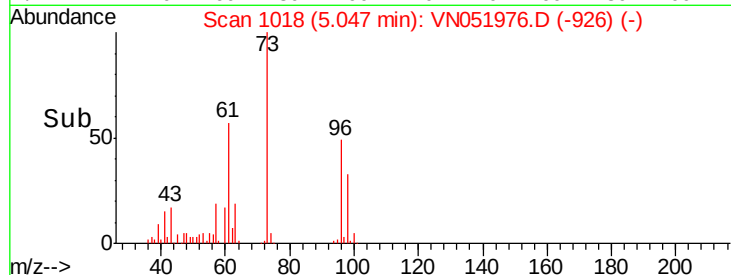
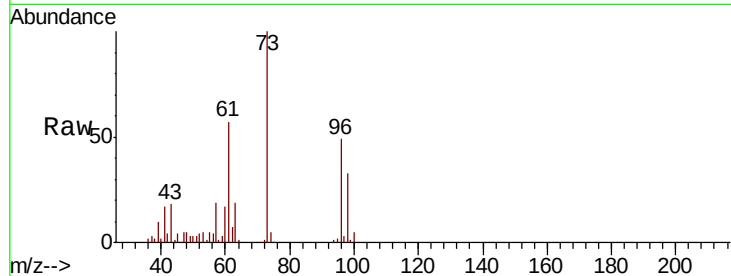
ClientSampleId :

VN1024WBS01

Tot Ion:	96	Resp:	172881
Ion	Ratio	Lower	Upper
96	100		
61	115.1	89.0	133.4
98	67.4	51.8	77.8

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#22

Diisopropyl ether

Concen: 18.891 ug/l

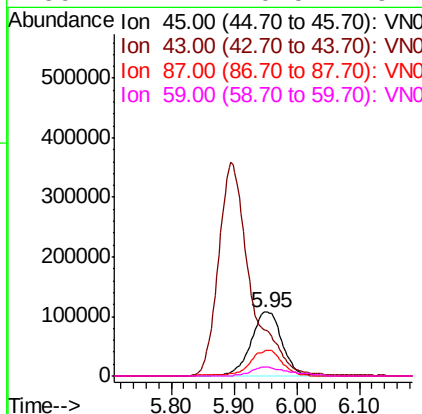
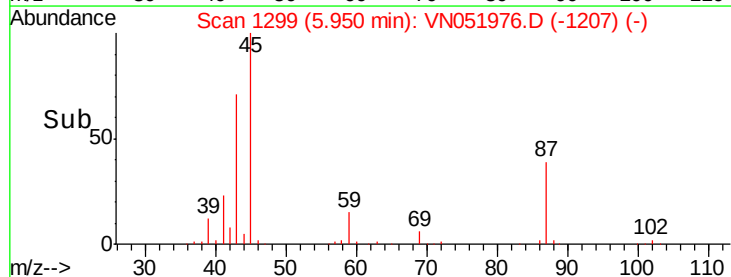
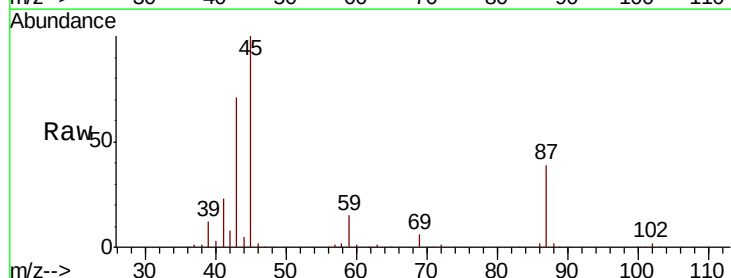
RT: 5.95 min Scan# 1299

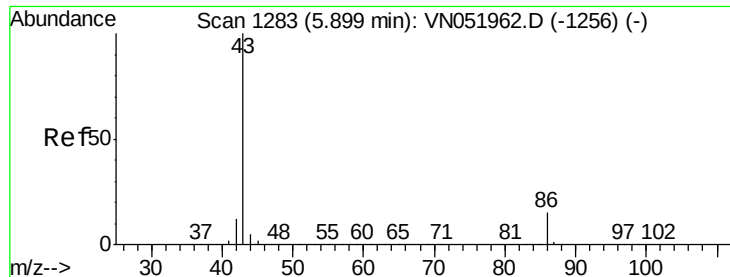
Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:	45	Resp:	372071
Ion	Ratio	Lower	Upper
45	100		
43	71.0	52.9	79.3
87	39.1	33.4	50.0
59	14.4	10.5	15.7





#23

Vinyl Acetate

Concen: 94.885 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 43 Resp: 1271289

Ion Ratio Lower Upper

43 100

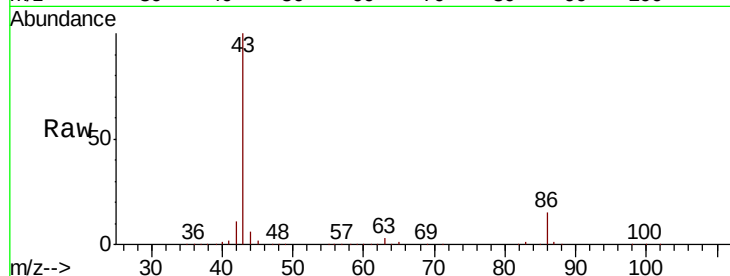
86 14.9 11.9 17.9

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Abundance Ion 43.00 (42.70 to 43.70): VN051976.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN051976.D (-1190) (-)

5.90

400000

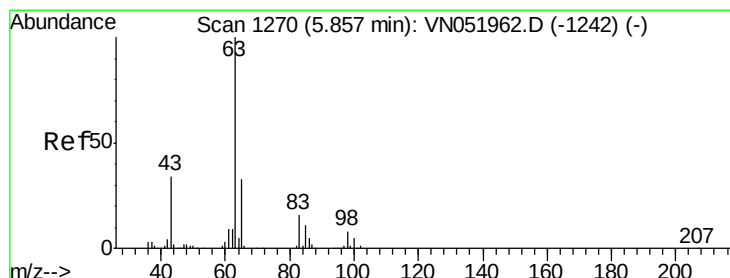
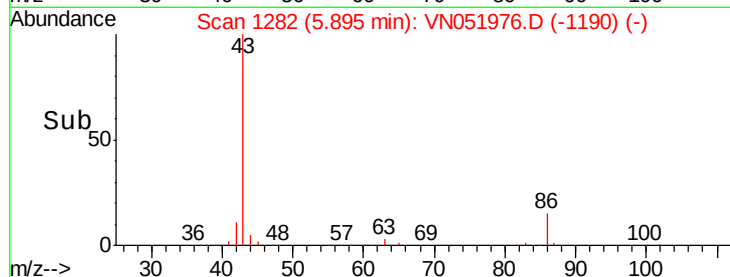
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.696 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

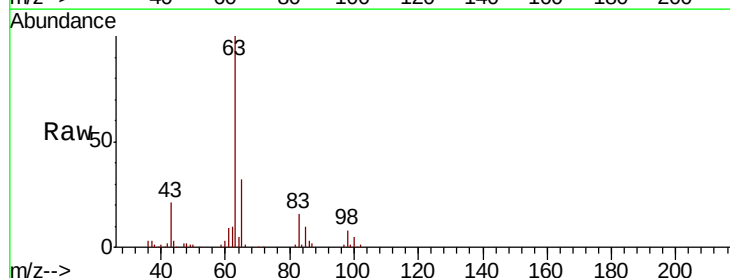
Tgt Ion: 63 Resp: 268831

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.7

100 5.1 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN051976.D (-1177) (-)

Ion 97.90 (97.60 to 98.60): VN051976.D (-1177) (-)

Ion 99.90 (99.60 to 100.60): VN051976.D (-1177) (-)

5.85

100000

80000

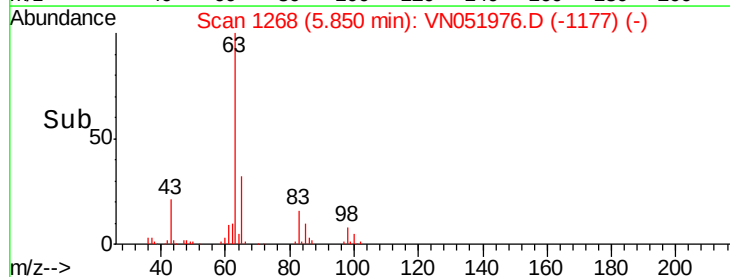
60000

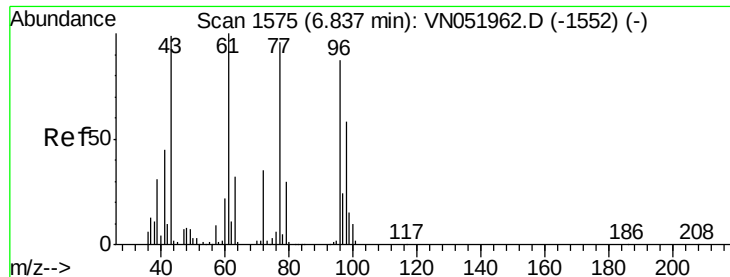
40000

20000

0

Time--> 5.70 5.80 5.90





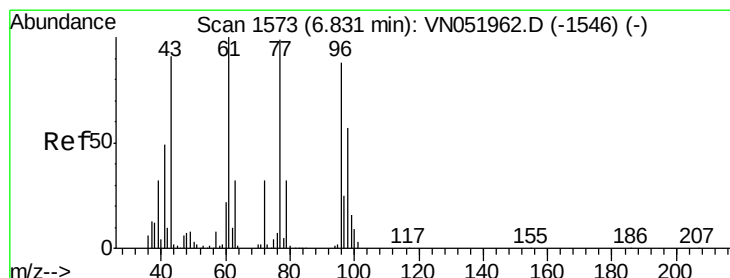
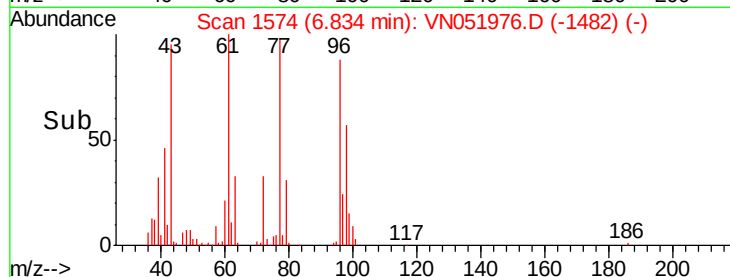
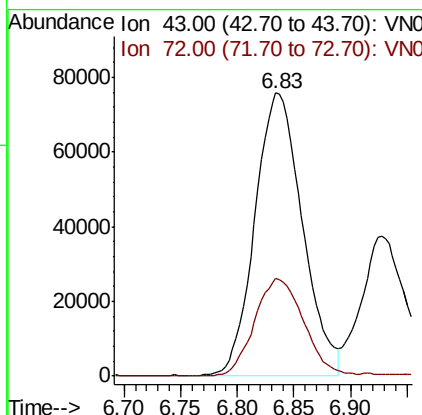
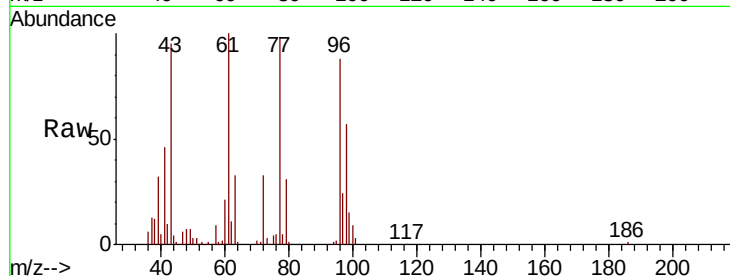
#25
 2-Butanone
 Concen: 94.789 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN1024WBS01

Tot Ion: 43 Resp: 220341
 Ion Ratio Lower Upper
 43 100
 72 34.5 28.5 42.7

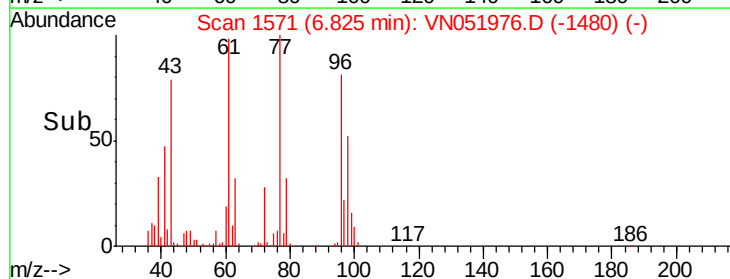
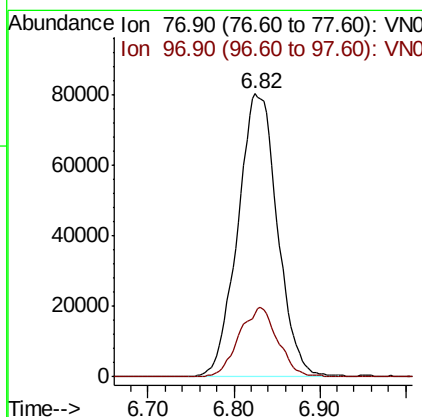
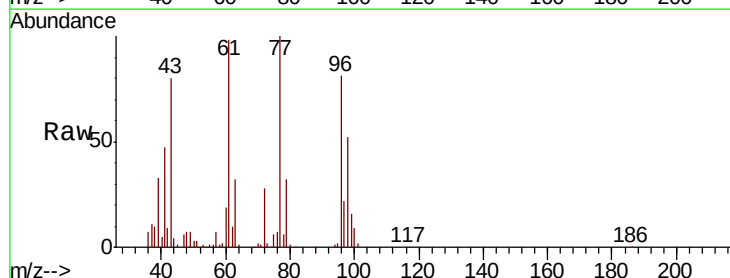
Manual Integrations
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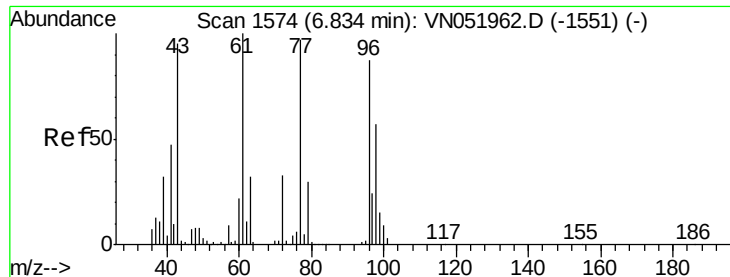
apatel
 10/25/2018 9:23:37 AM



#26
 2,2-Dichloropropane
 Concen: 19.619 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion: 77 Resp: 258108
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 18.860 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

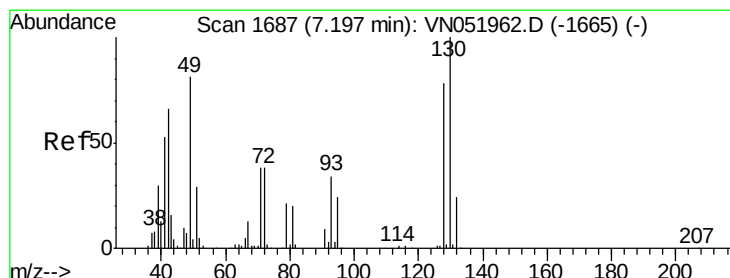
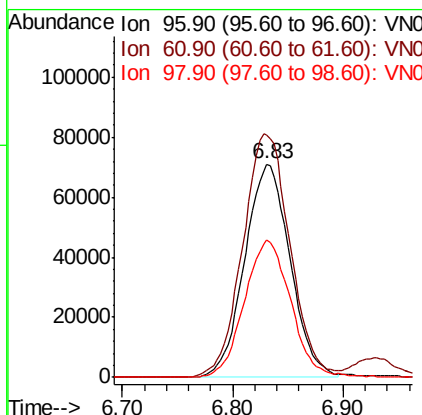
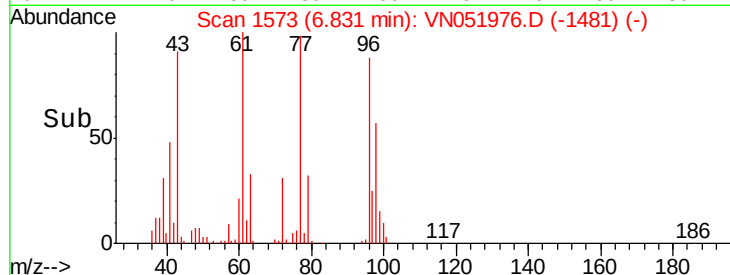
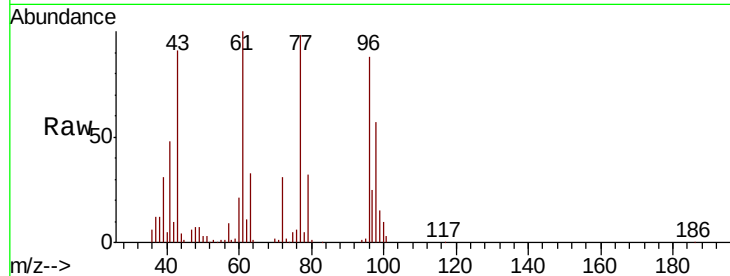
ClientSampleId :

VN1024WBS01

Tot Ion:	96	Resp:	202992
Ion Ratio	Lower	Upper	
96	100		
61	118.5	0.0	234.4
98	65.5	0.0	131.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.251 ug/l

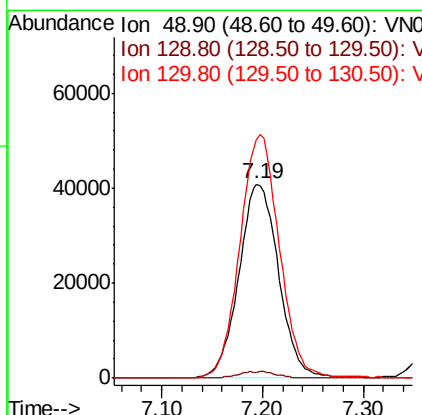
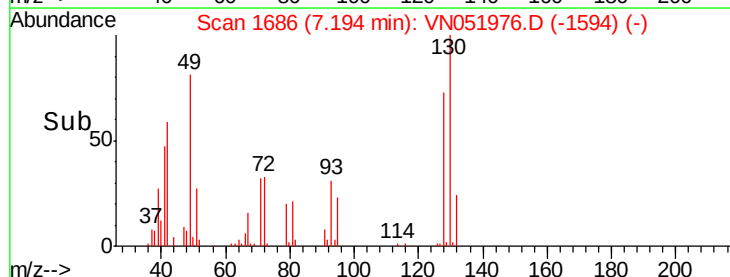
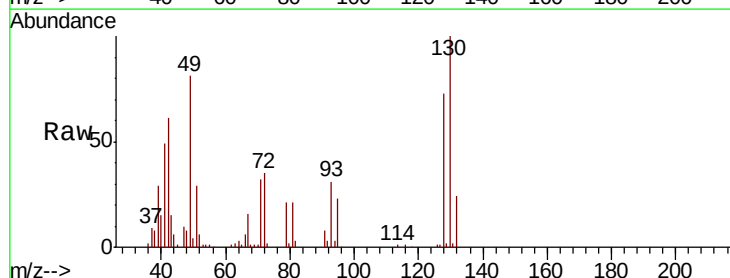
RT: 7.19 min Scan# 1686

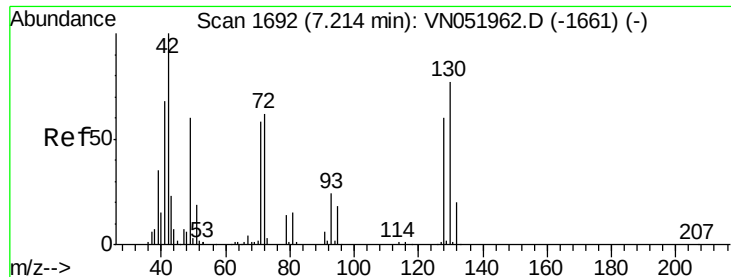
Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:	49	Resp:	111565
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	5.4
130	124.5	97.0	145.6





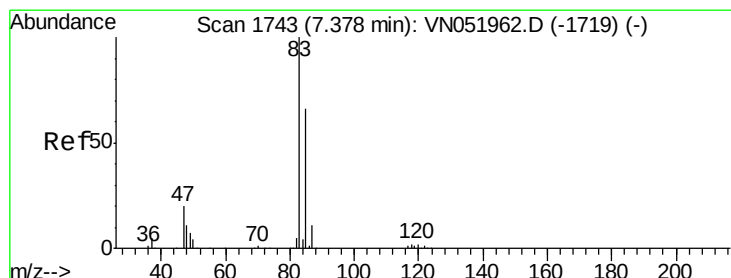
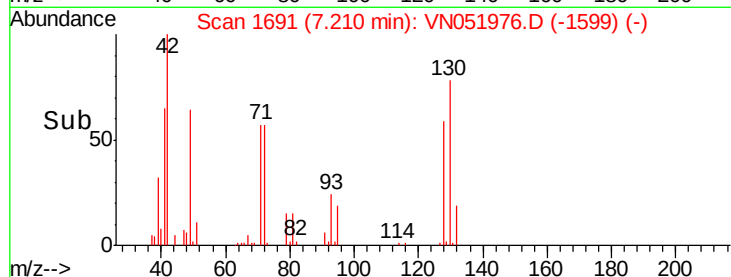
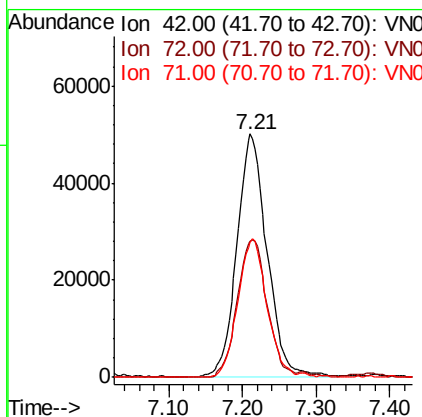
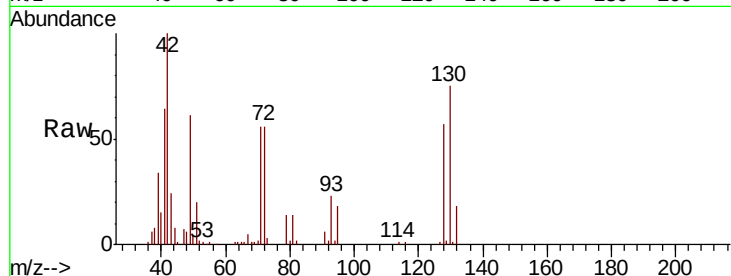
#29
Tetrahydrofuran
Concen: 91.200 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.8	47.5	71.3
71	54.4	45.4	68.2

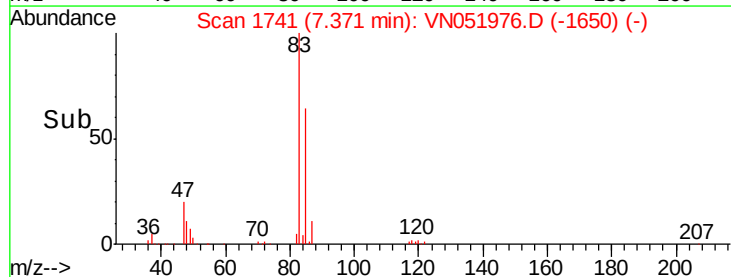
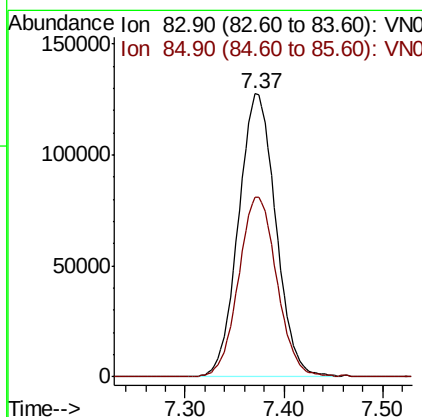
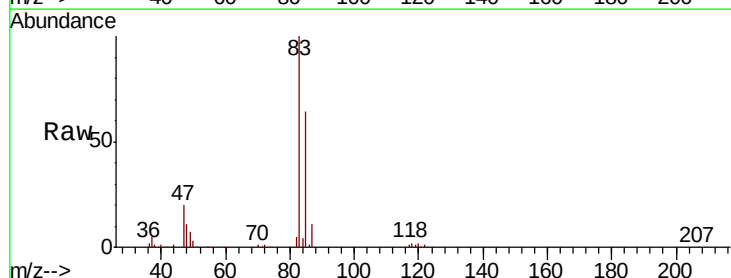
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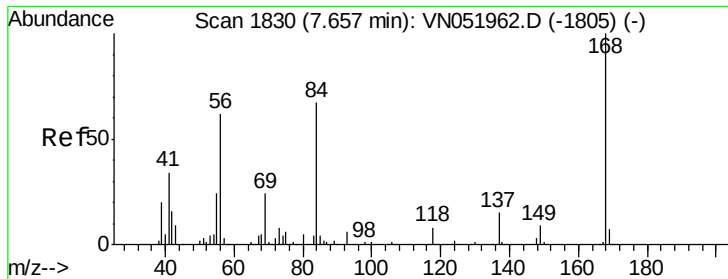
apatel
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#30
Chloroform
Concen: 19.032 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.8	79.2





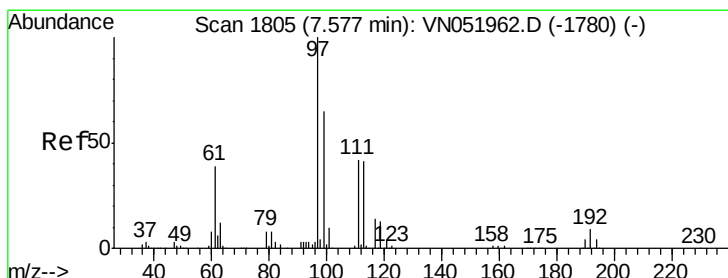
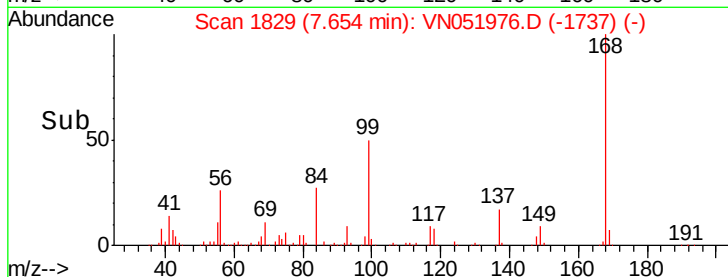
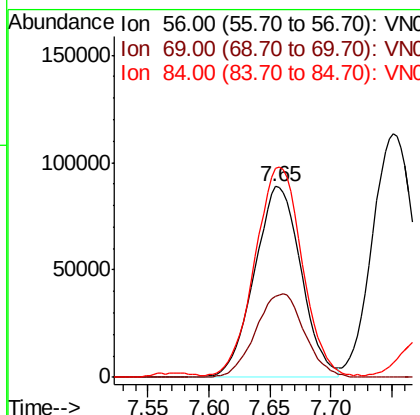
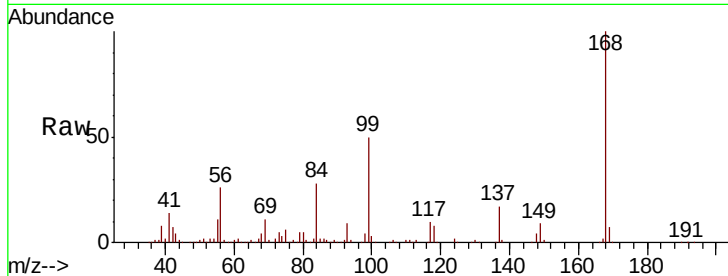
#31
Cyclohexane
Concen: 18.892 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.7	31.2	46.8
84	107.5	86.3	129.5

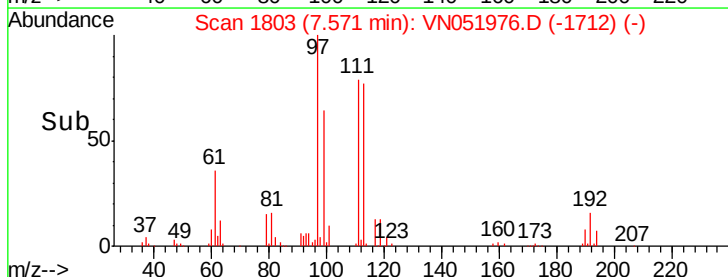
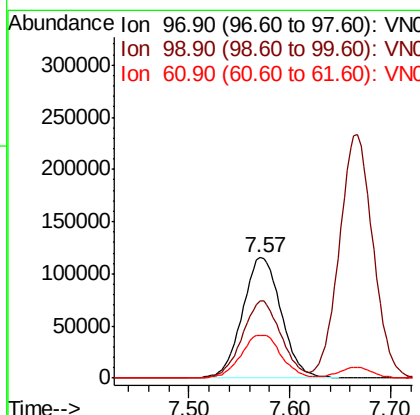
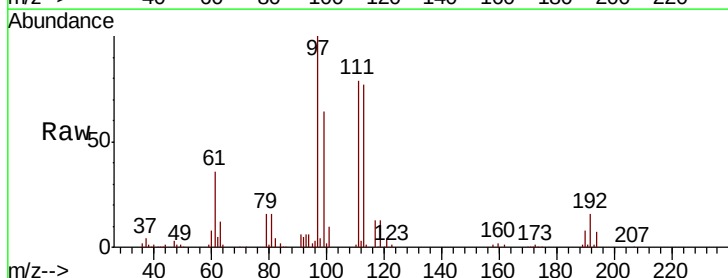
Manual Integrations
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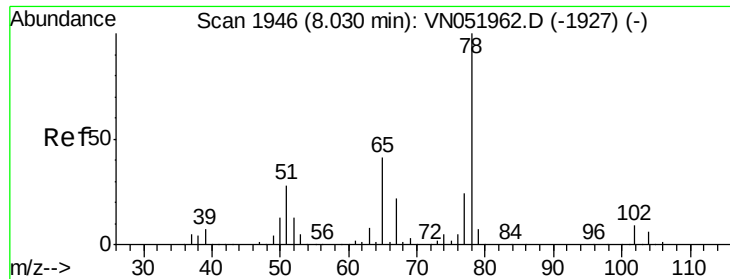
apatel
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#32
1,1,1-Trichloroethane
Concen: 19.108 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	37.2	30.1	45.1





#33

1,2-Dichloroethane-d4

Concen: 19.108 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 65 Resp: 474351

Ion Ratio Lower Upper

65 100

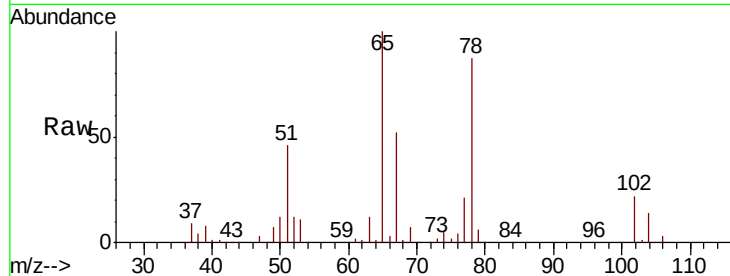
67 52.0 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN051962.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN051962.D (-1927) (-)

8.03

200000

150000

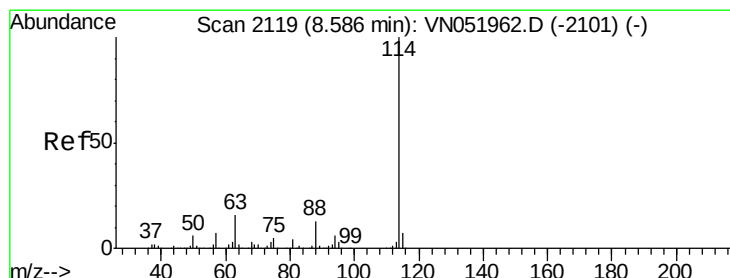
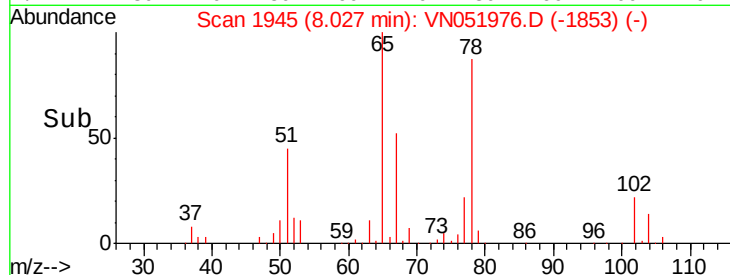
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

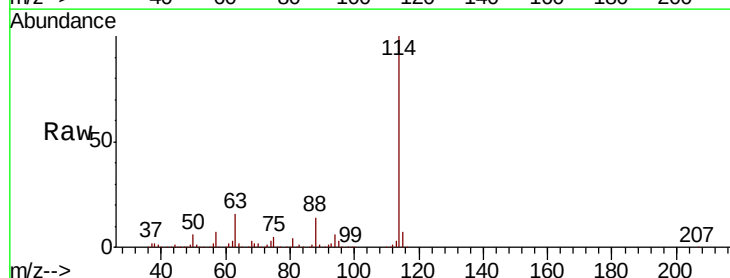
Tgt Ion: 114 Resp: 1610261

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.2

88 14.0 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): VN051962.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051962.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051962.D (-2101) (-)

8.59

1000000

800000

600000

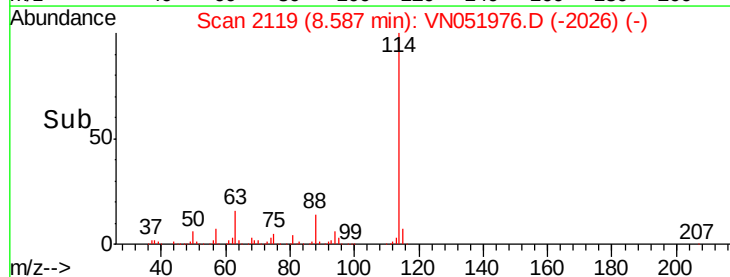
400000

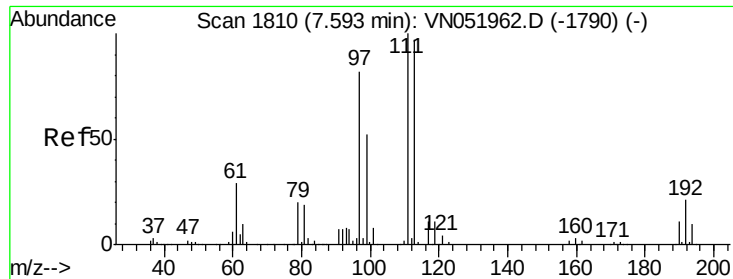
200000

0

8.50 8.55 8.60 8.65 8.70

Time-->





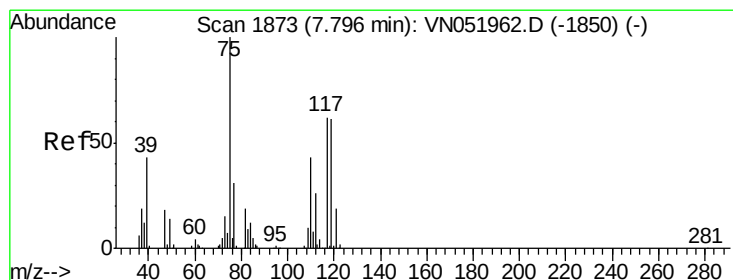
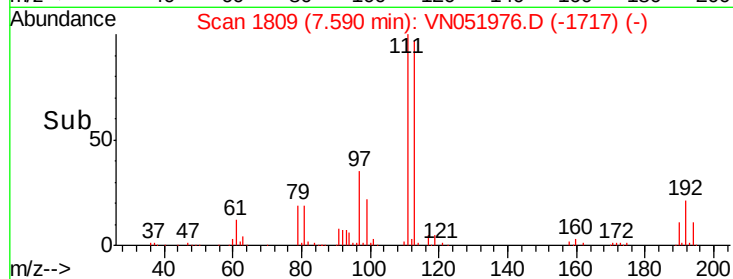
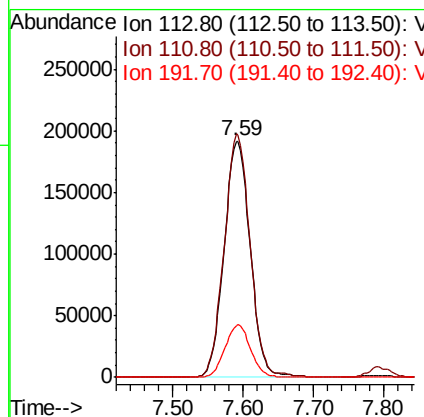
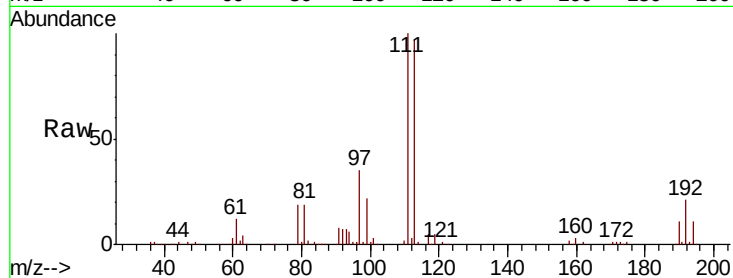
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	496785		
111	102.1	80.7	121.1	
192	21.9	17.2	25.8	

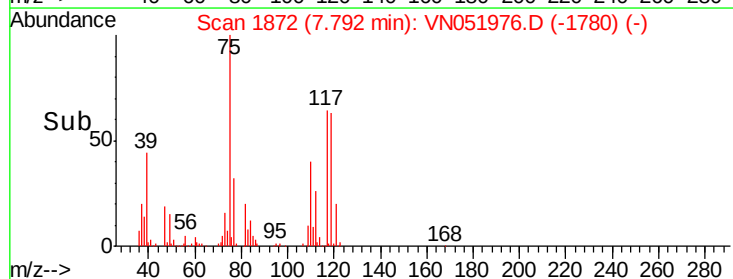
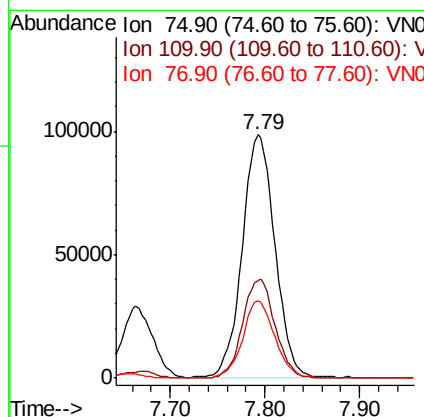
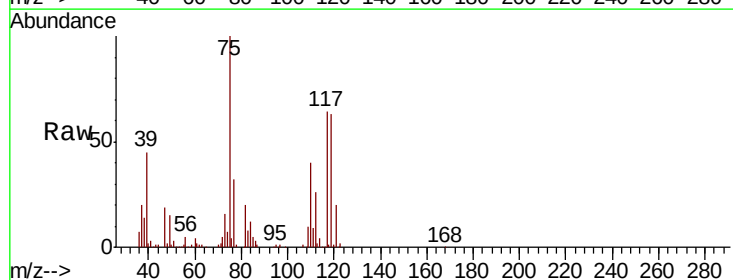
Manual Integrations
 APPROVED

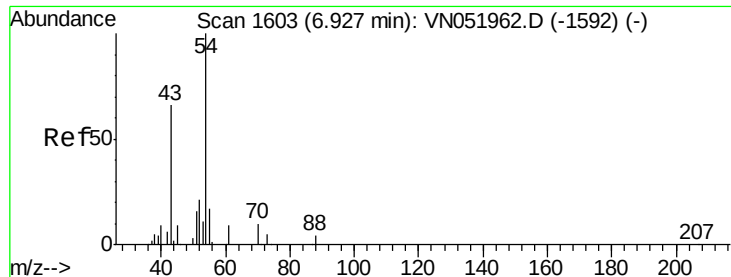
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.086 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	235754		
110	40.5	20.9	62.8	
77	31.3	24.9	37.3	





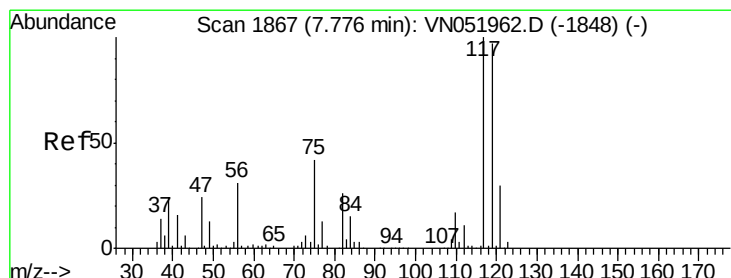
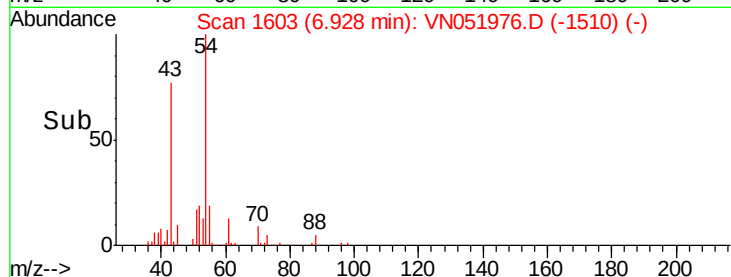
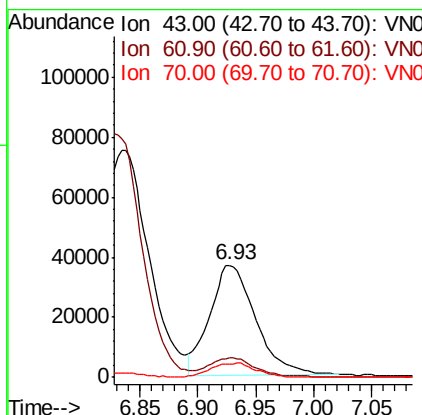
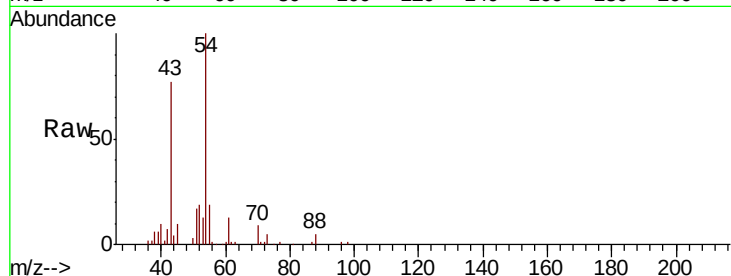
#37
Ethyl Acetate
Concen: 17.119 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	16.9	13.5	20.3	
70	12.9	9.8	14.6	

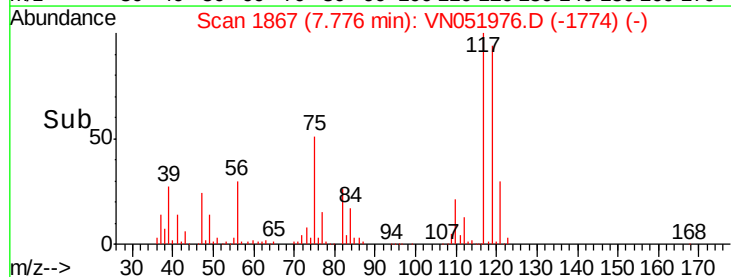
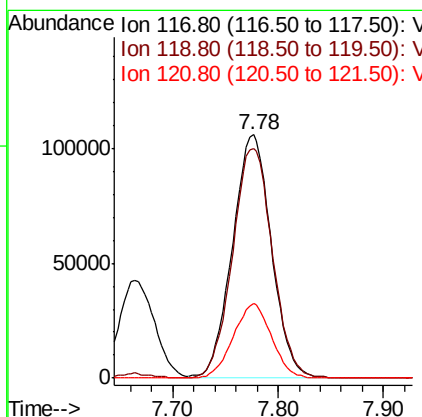
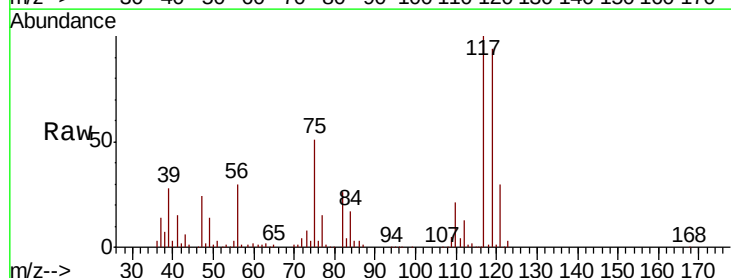
Manual Integrations
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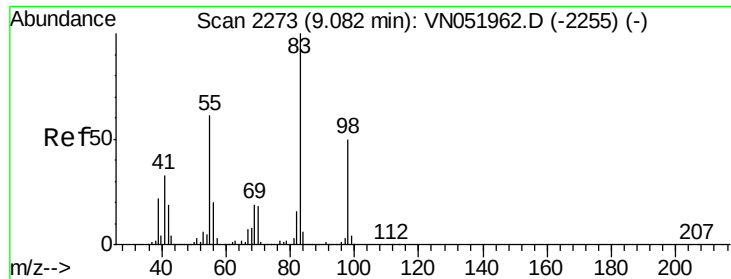
apatel
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#38
Carbon Tetrachloride
Concen: 19.108 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.4	77.4	116.0	
121	30.5	24.2	36.4	





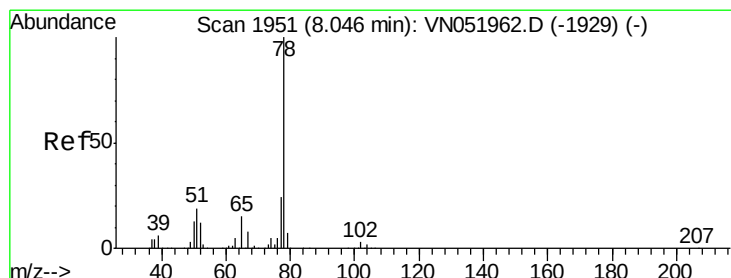
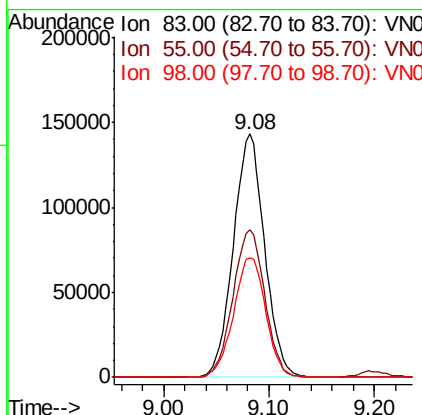
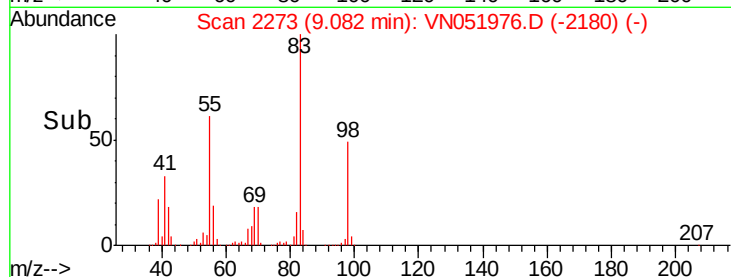
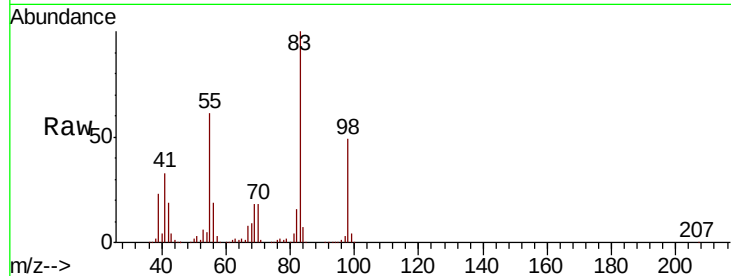
#39
Methylvlcyclohexane
Concen: 19.489 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	294030		
55	60.7		48.9	73.3
98	49.2		40.2	60.2

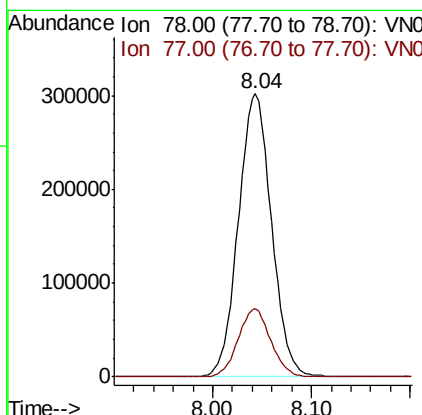
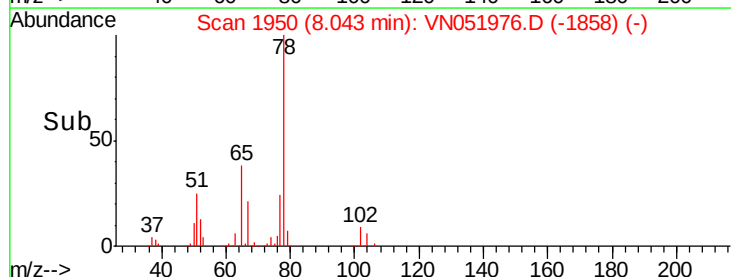
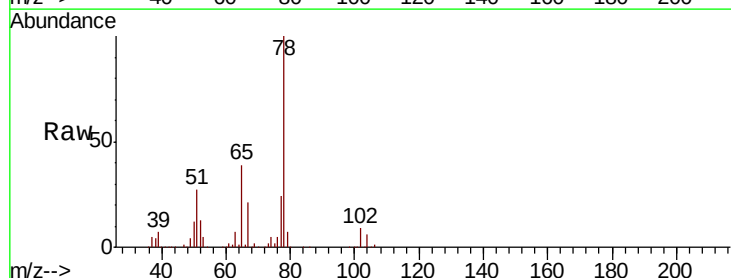
Manual Integrations
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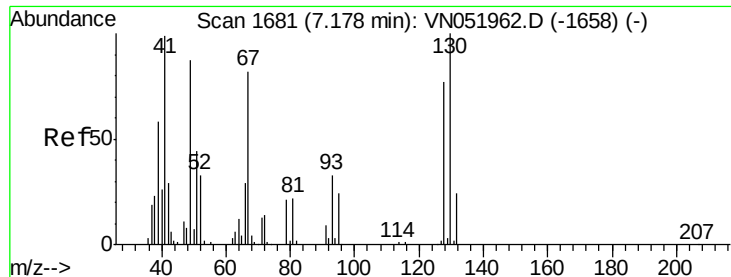
apatel
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#40
Benzene
Concen: 19.139 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	701933		
77	24.1		19.4	29.0





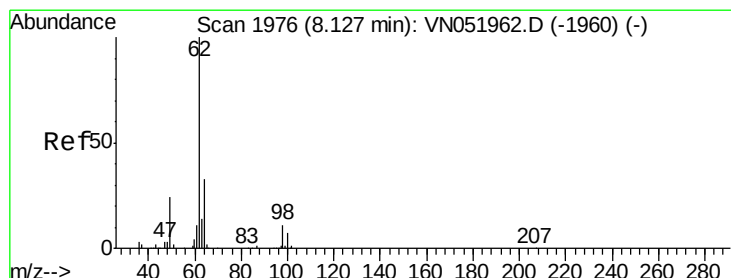
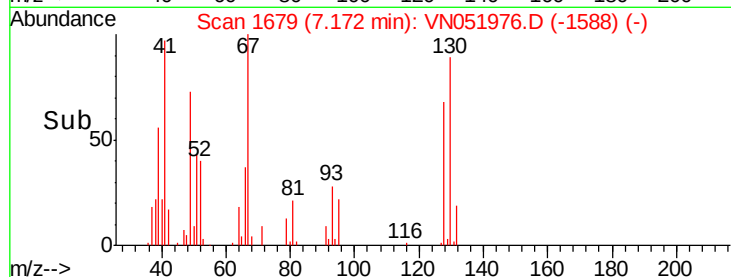
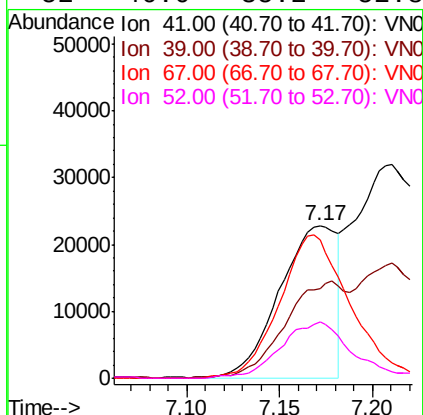
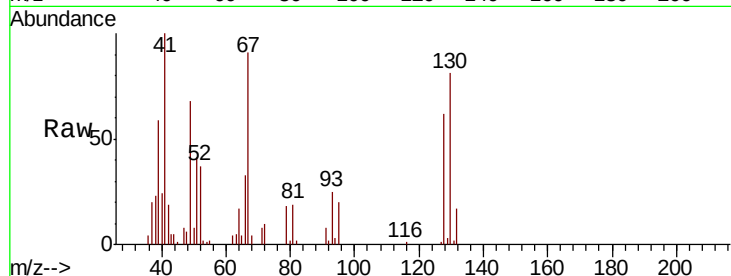
#41
Methacrylonitrile
Concen: 17.730 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.7	53.1	79.7
67	116.0	93.8	140.6
52	46.0	35.2	52.8

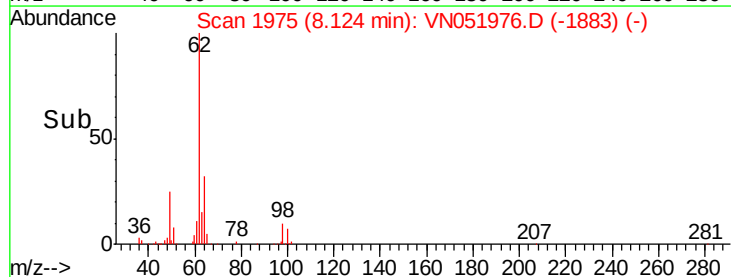
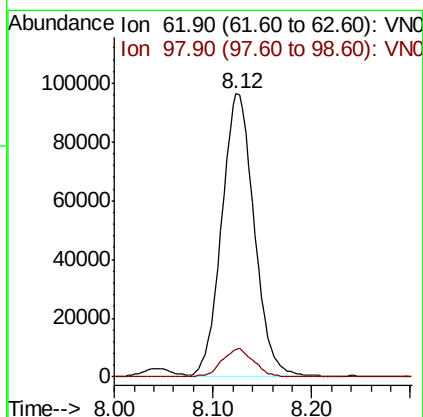
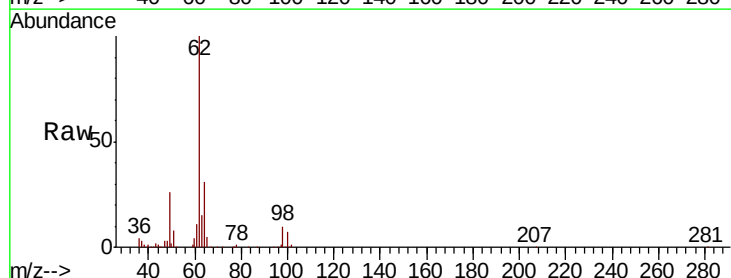
Manual Integrations
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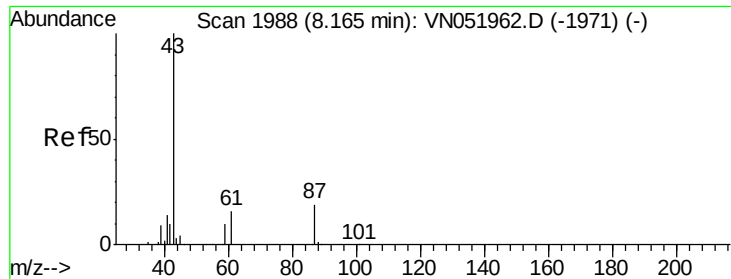
apatel
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#42
1,2-Dichloroethane
Concen: 18.854 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.751 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

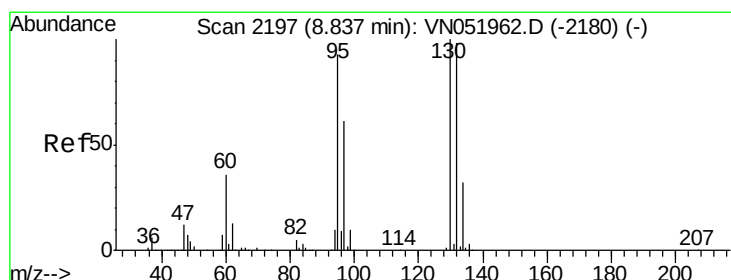
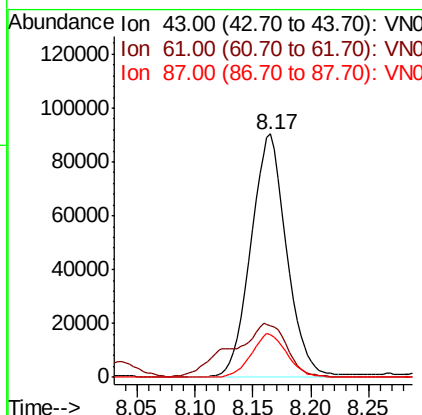
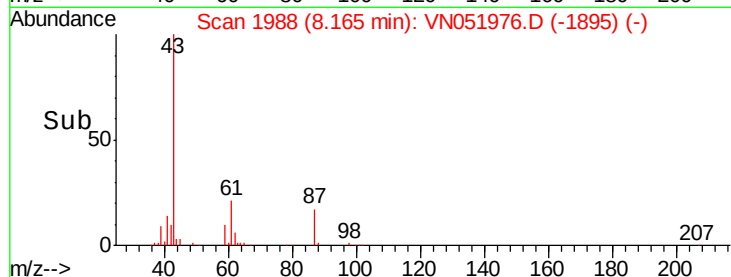
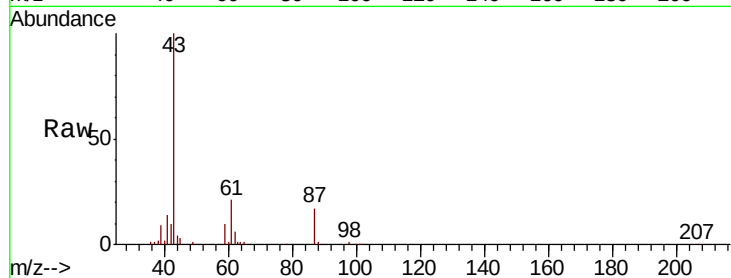
ClientSampleId :

VN1024WBS01

Tot Ion:	43	Resp:	193974
Ion	Ratio	Lower	Upper
43	100		
61	33.6	17.2	25.8#
87	17.7	15.2	22.8

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#44

Trichloroethene

Concen: 19.053 ug/l

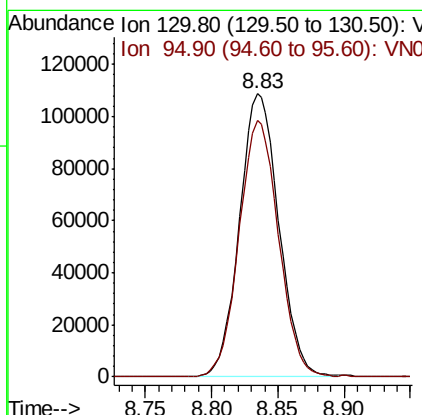
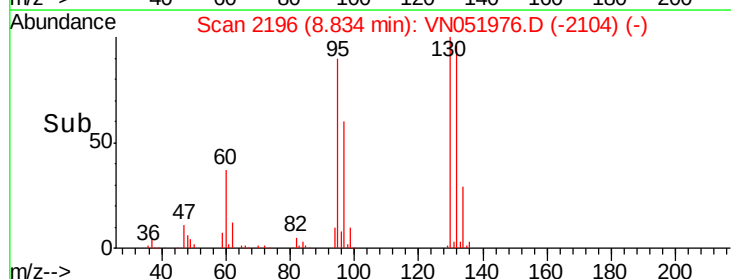
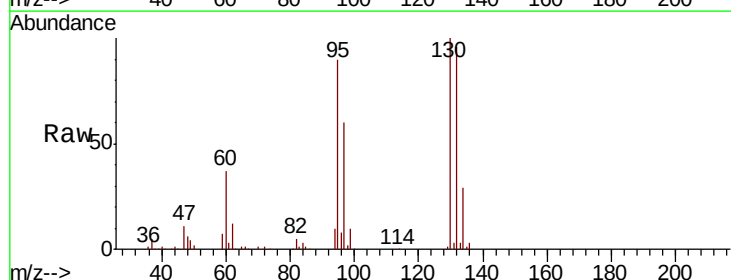
RT: 8.83 min Scan# 2196

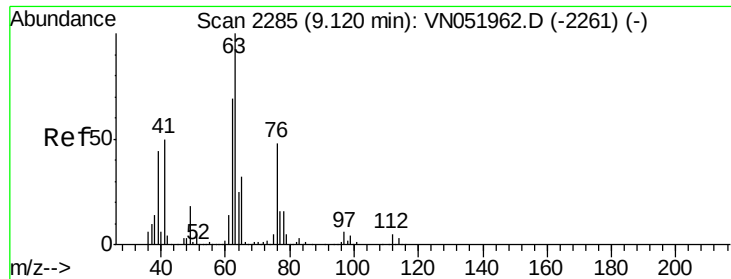
Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:	130	Resp:	224295
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	185.2





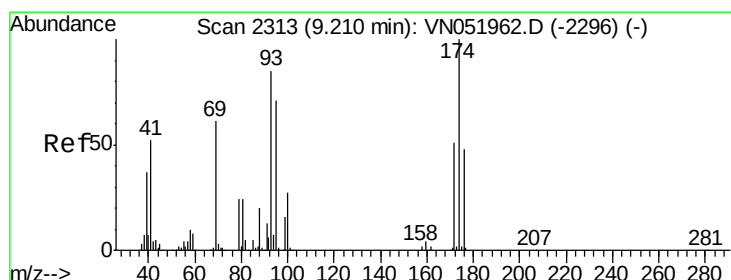
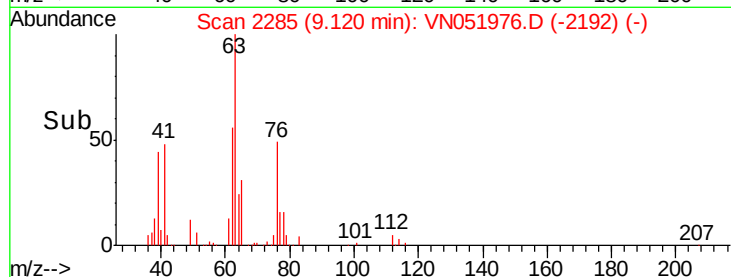
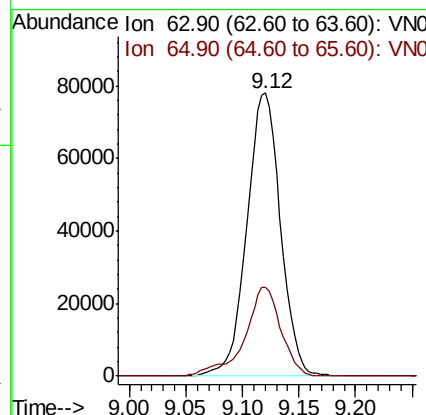
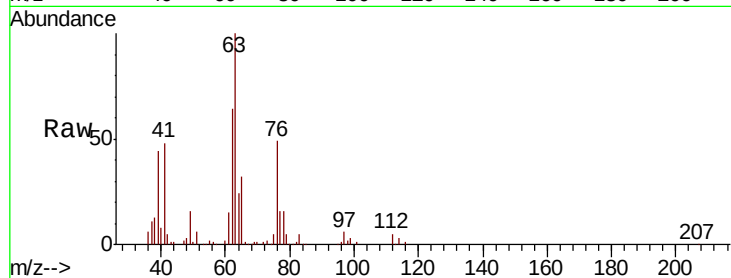
#45
 1,2-Dichloropropane
 Concen: 19.442 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.8	38.6

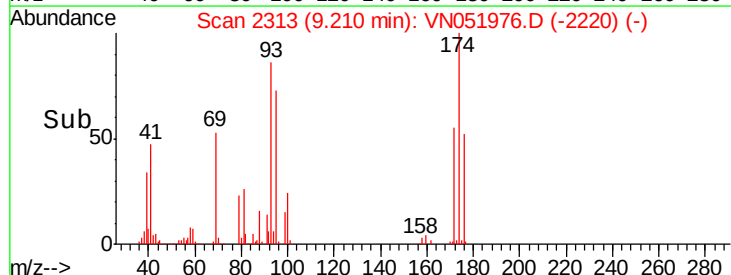
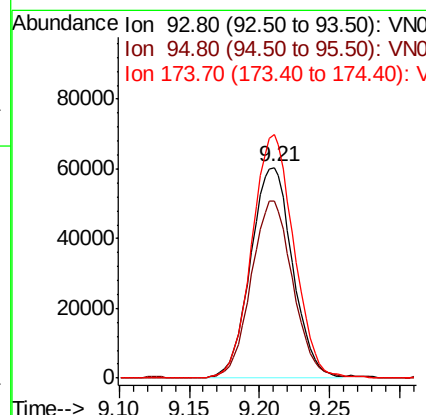
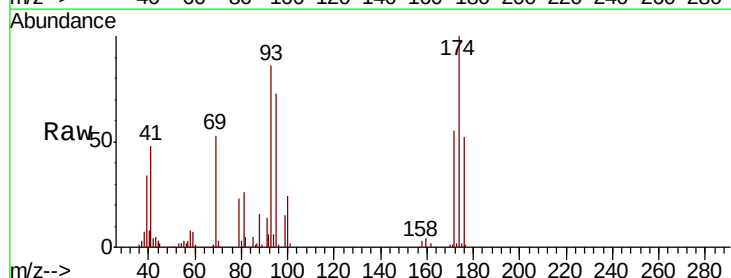
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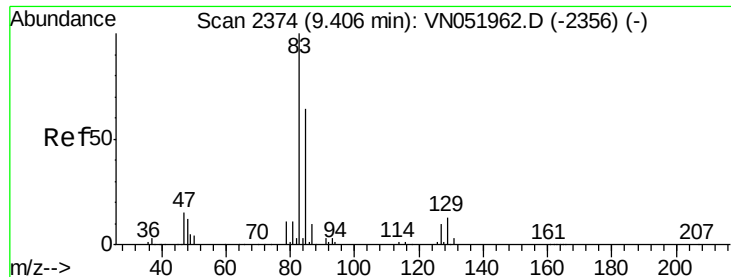
apatel
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#46
 Dibromomethane
 Concen: 18.837 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.7	100.1
174	115.2	93.8	140.6





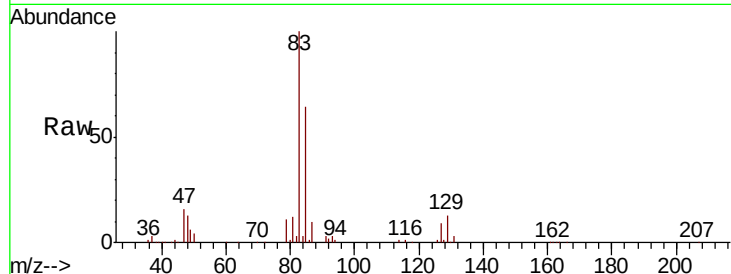
#47
Bromodichloromethane
Concen: 18.924 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	239024		
85	64.4	51.0	76.4	
127	8.9	7.8	11.8	

Manual Integrations
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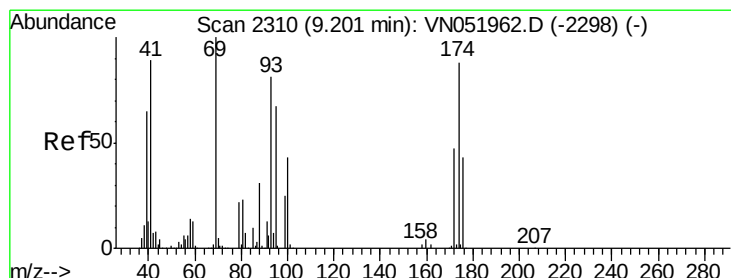
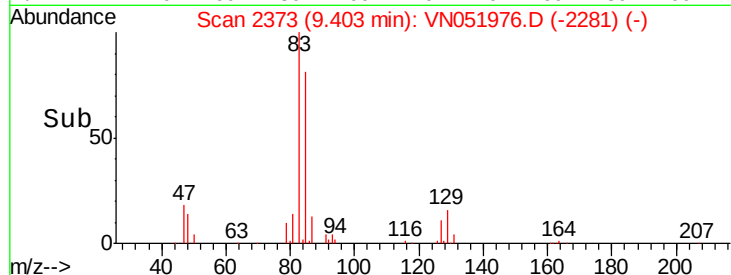
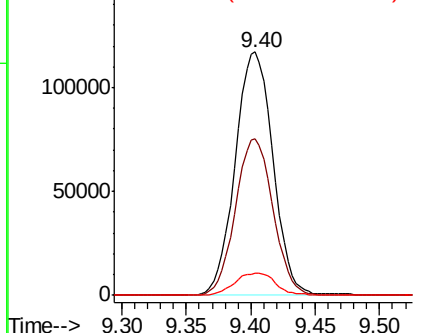


Abundance

Ion 82.90 (82.60 to 83.60): VN051976.D (-2281) (-)

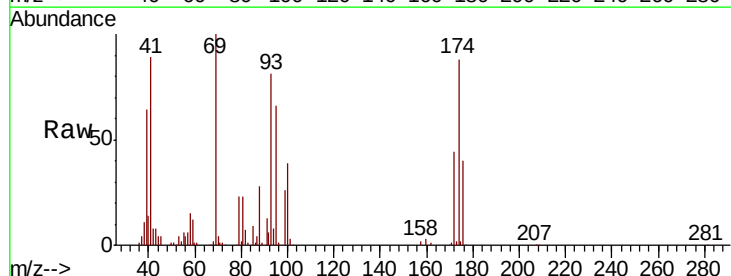
Ion 84.90 (84.60 to 85.60): VN051976.D (-2281) (-)

Ion 126.80 (126.50 to 127.50): VN051976.D (-2281) (-)



#48
Methyl methacrylate
Concen: 18.533 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92664		
69	116.6	92.2	138.4	
39	75.1	60.2	90.4	

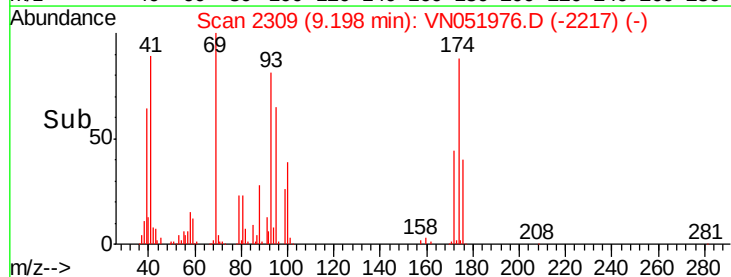
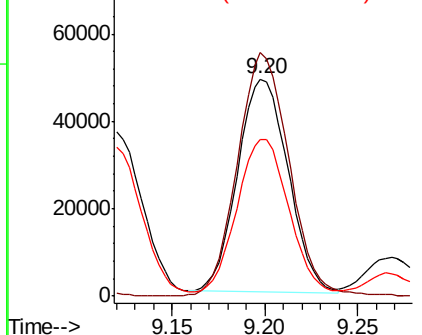


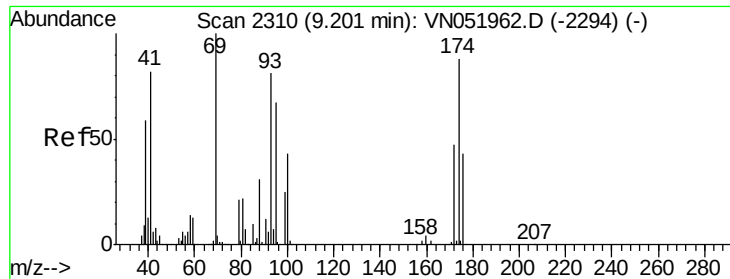
Abundance

Ion 41.00 (40.70 to 41.70): VN051976.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051976.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051976.D (-2217) (-)





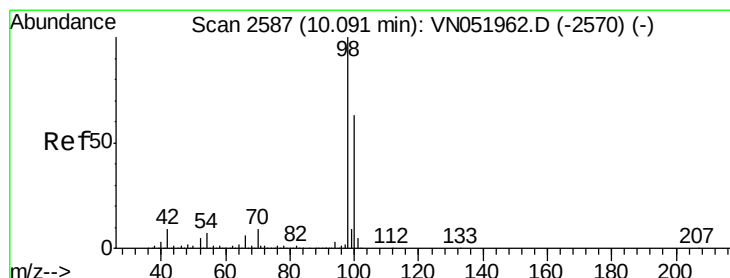
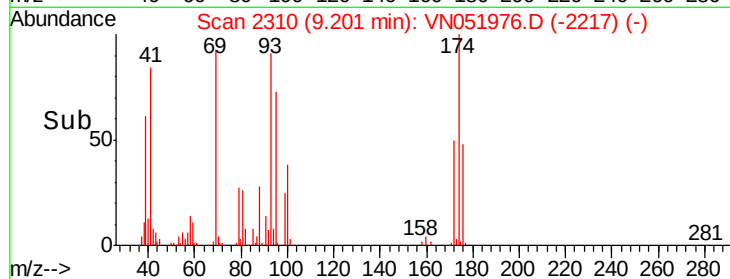
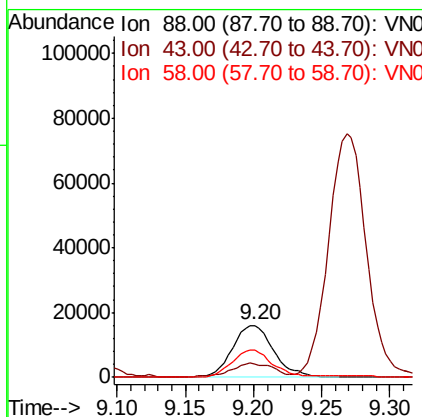
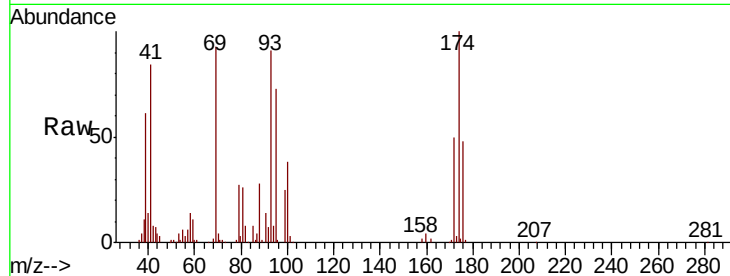
#49
1,4-Dioxane
Concen: 367.057 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	88	Resp	33653
Ion Ratio	100	Lower	Upper
88	100		
43	25.4	18.8	28.2
58	51.6	39.8	59.6

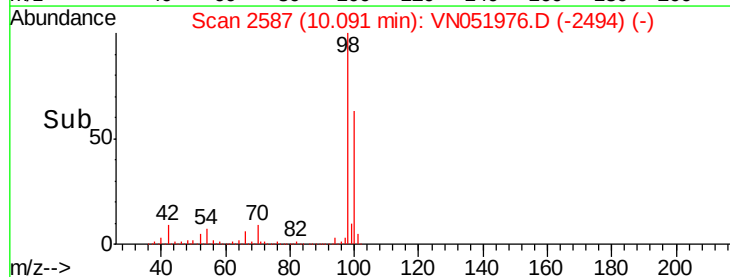
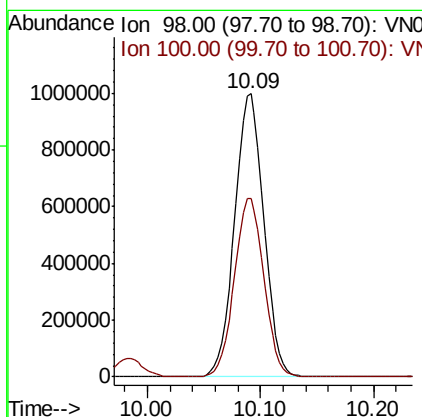
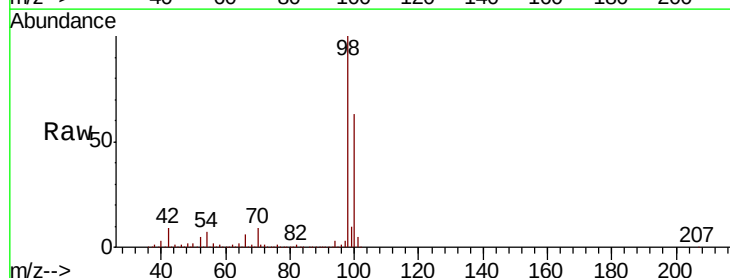
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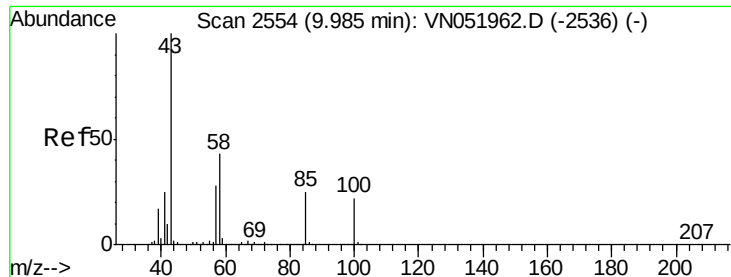
apatel
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#50
Toluene-d8
Concen: 367.057 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	98	Resp	1796870
Ion Ratio	100	Lower	Upper
98	100		
100	63.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 91.441 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 43 Resp: 520317

Ion Ratio Lower Upper

43 100

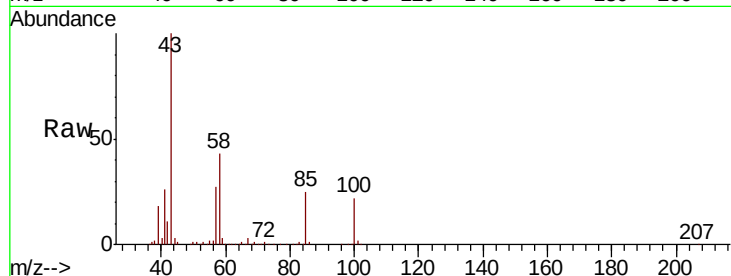
58 43.8 34.8 52.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

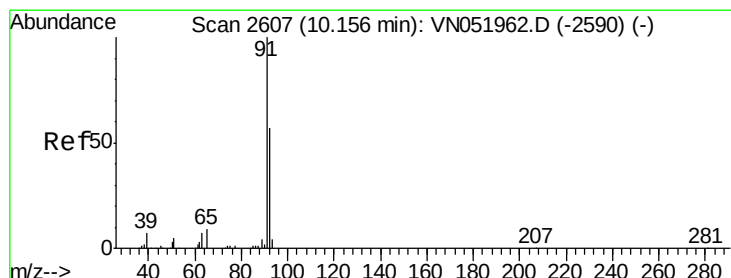
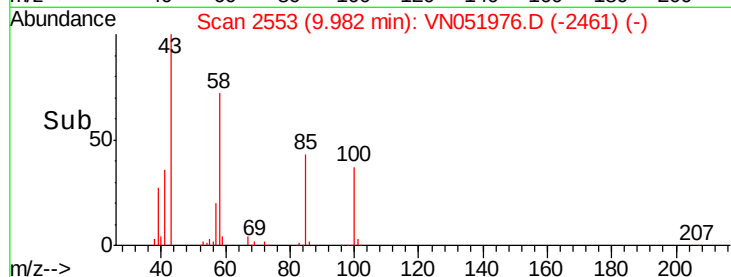
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.159 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051976.D

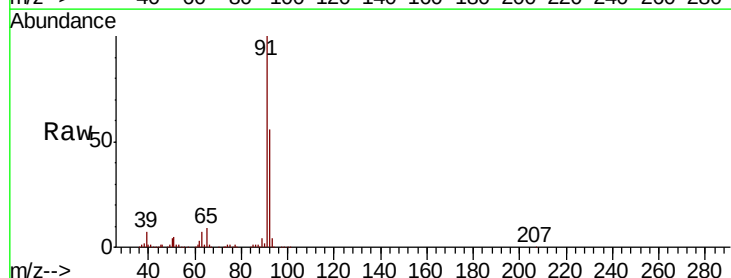
Acq: 24 Oct 2018 9:45

Tgt Ion: 92 Resp: 476473

Ion Ratio Lower Upper

92 100

91 178.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

500000

400000

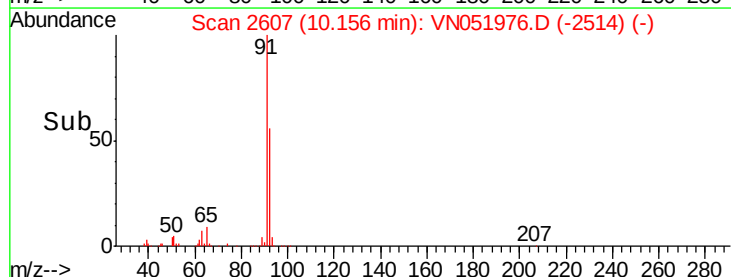
300000

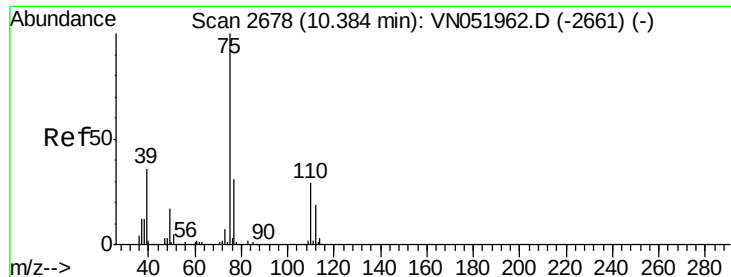
200000

100000

0

Time-->





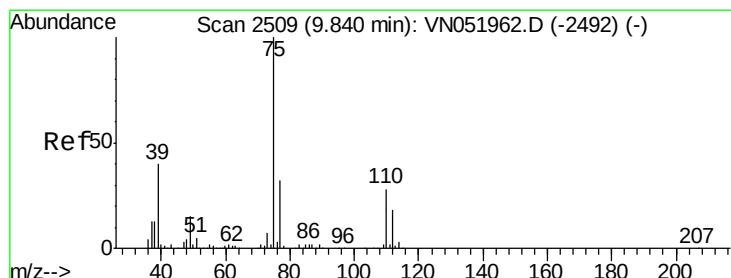
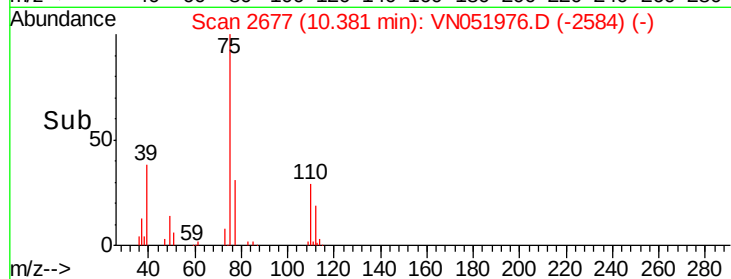
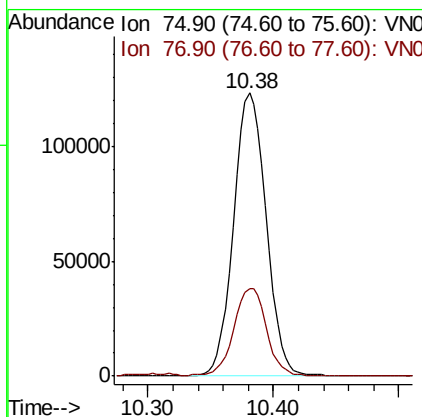
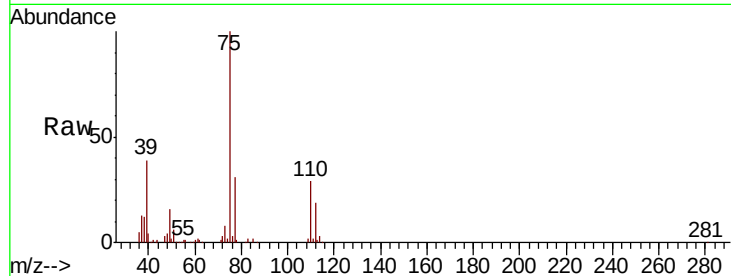
#53
t-1,3-Dichloropropene
Concen: 18.111 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4

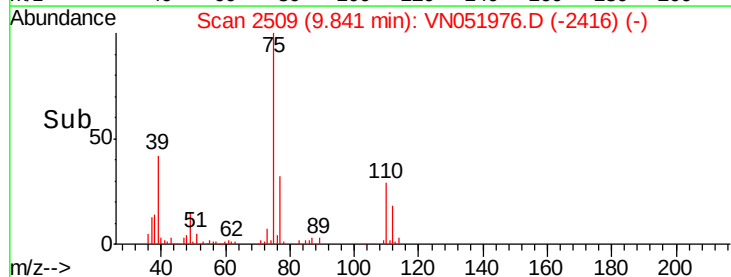
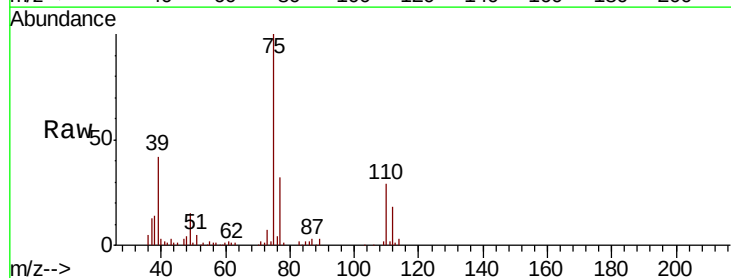
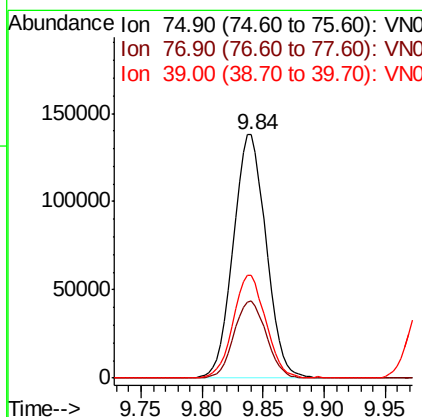
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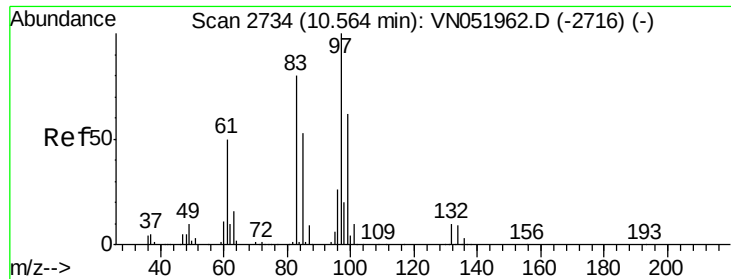
apatel
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#54
cis-1,3-Dichloropropene
Concen: 19.496 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	42.1	32.0	48.0





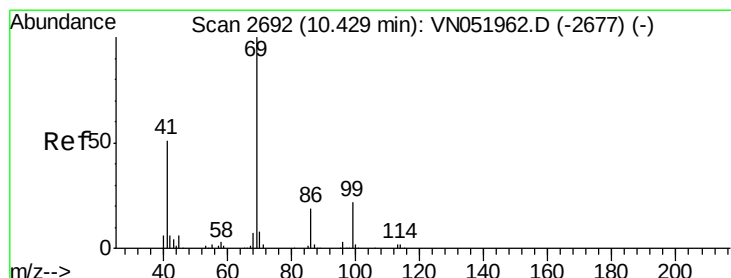
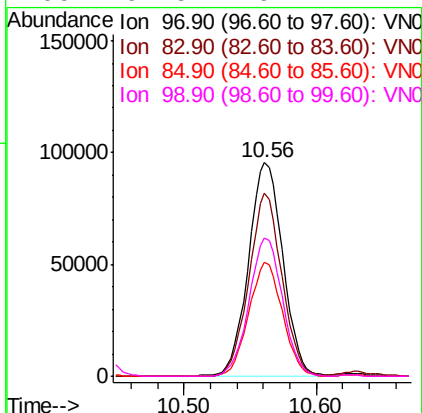
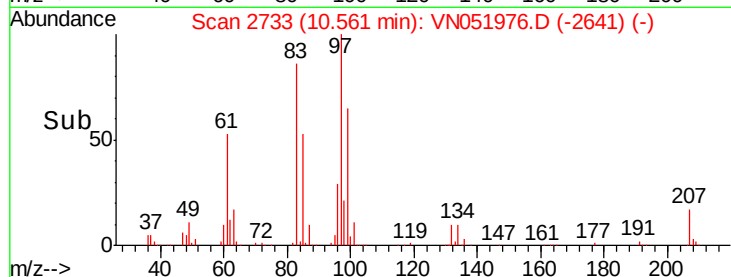
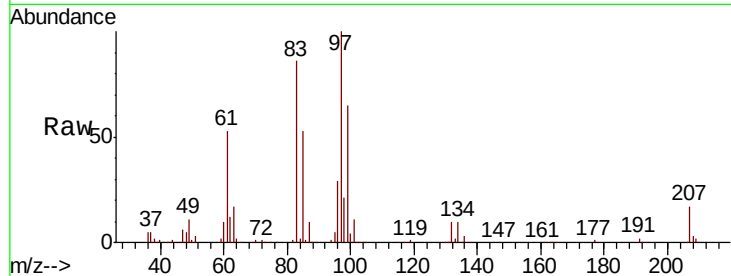
#55
 1,1,2-Trichloroethane
 Concen: 18.815 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion:	97	Resp:	172890
Ion	Ratio	Lower	Upper
97	100		
83	85.7	64.0	96.0
85	53.3	42.4	63.6
99	64.5	49.4	74.2

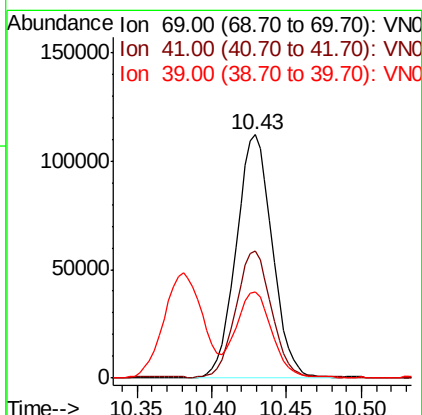
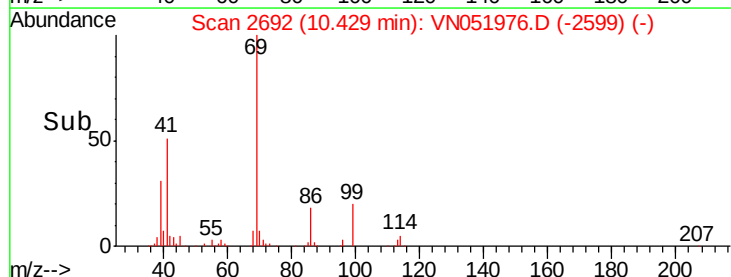
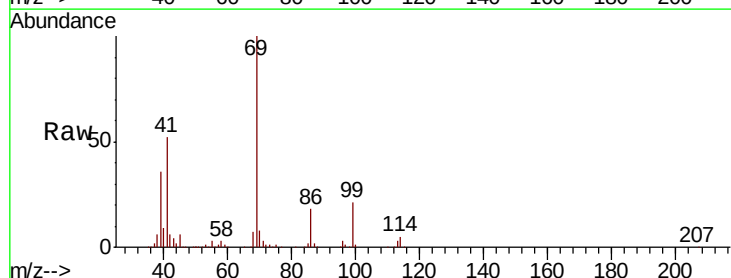
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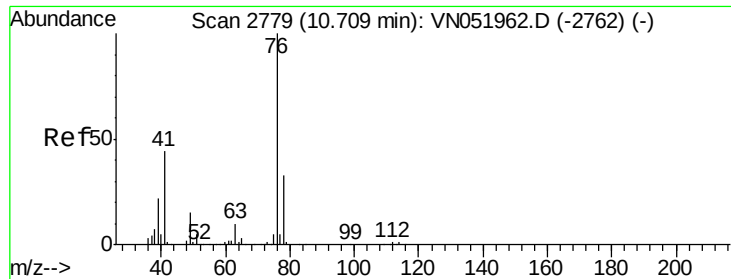
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#56
 Ethyl methacrylate
 Concen: 19.069 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion:	69	Resp:	188353
Ion	Ratio	Lower	Upper
69	100		
41	51.3	40.7	61.1
39	34.8	29.3	43.9





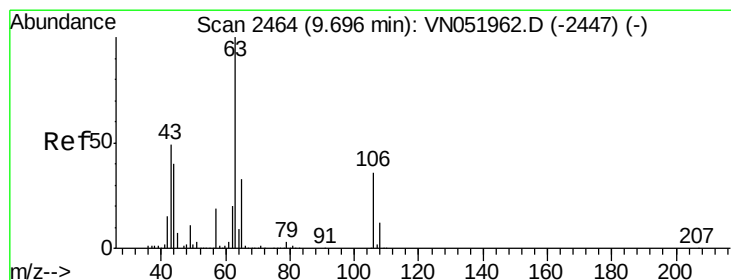
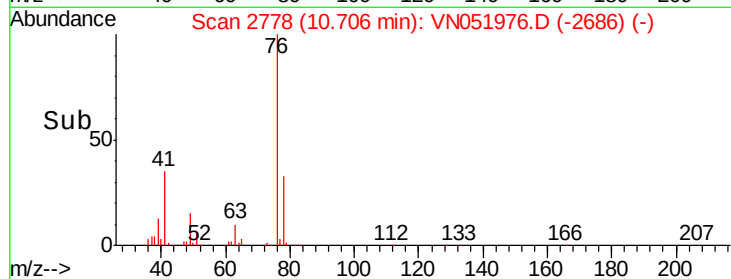
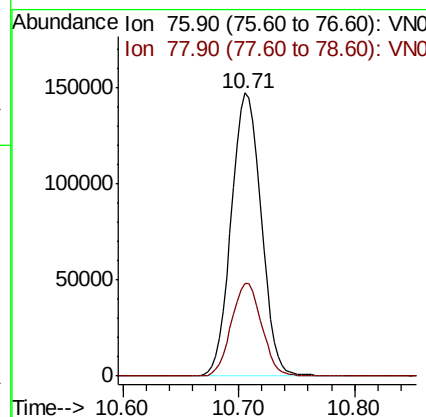
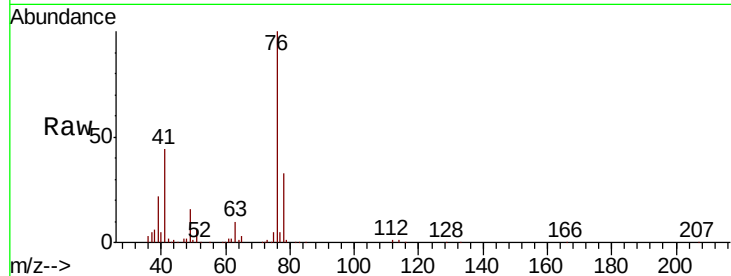
#57
 1,3-Dichloropropane
 Concen: 18.922 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion: 76 Resp: 263961
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.4 39.6

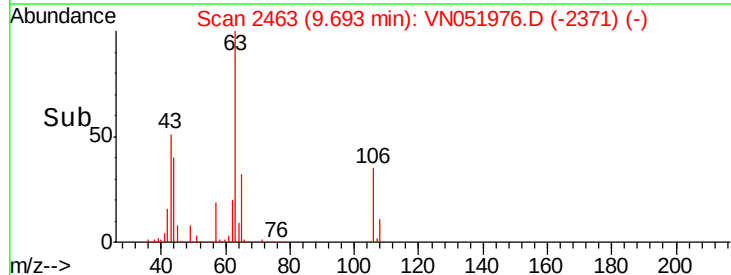
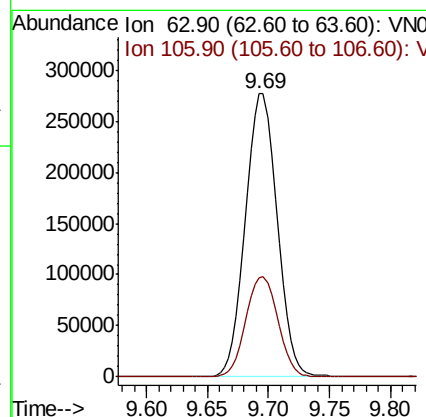
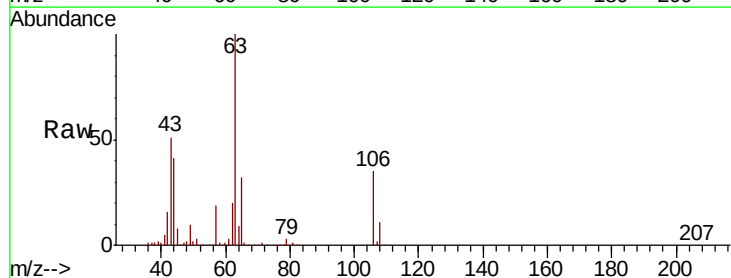
Manual Integrations
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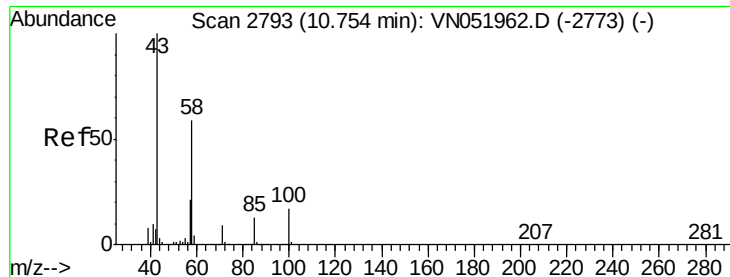
apatel
 10/25/2018 9:23:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.603 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion: 63 Resp: 499269
 Ion Ratio Lower Upper
 63 100
 106 35.7 28.3 42.5





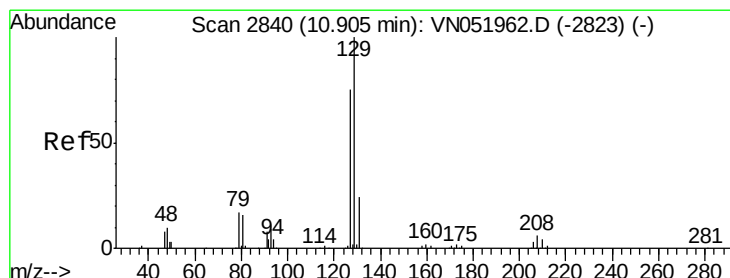
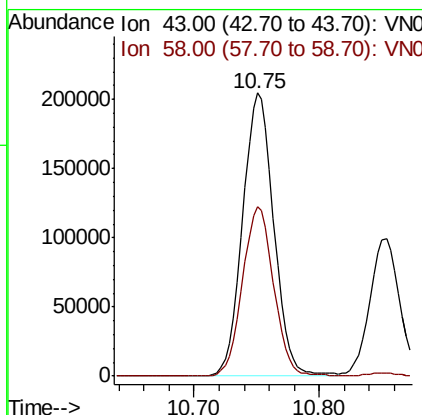
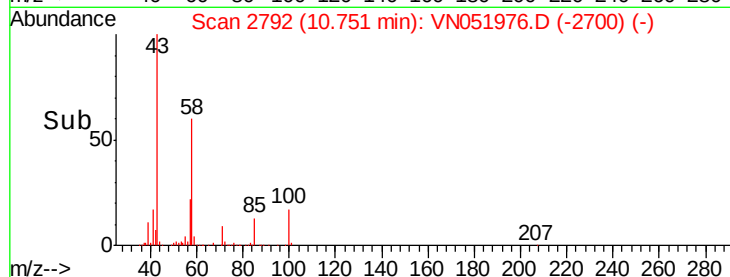
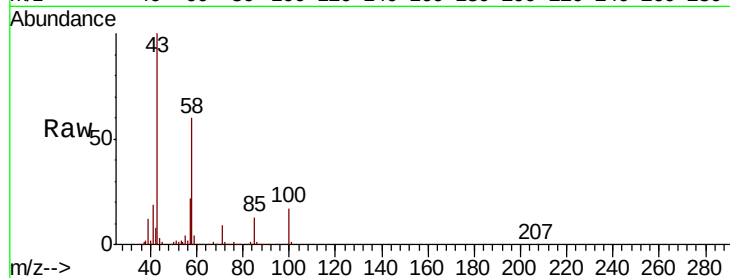
#59
2-Hexanone
Concen: 92.022 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.3	29.9	89.8

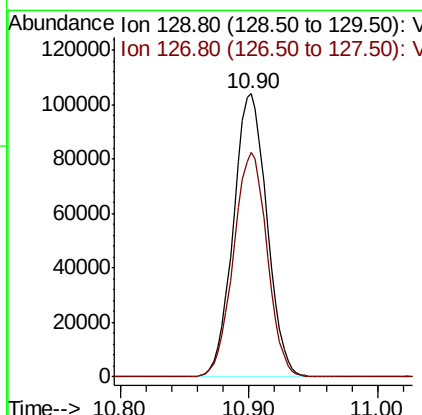
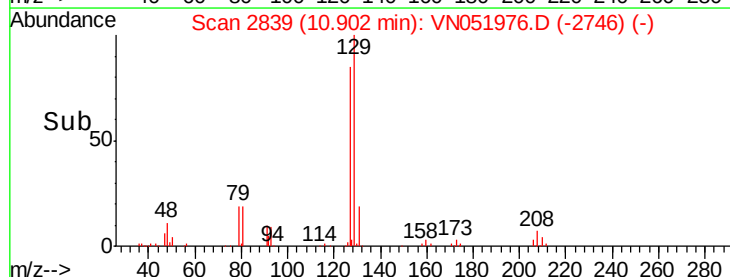
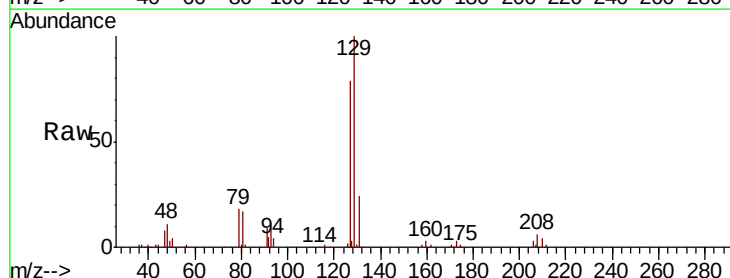
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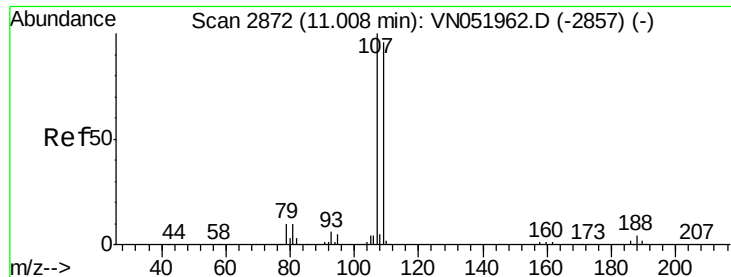
apatel
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#60
Dibromochloromethane
Concen: 17.397 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.0	114.0





#61

1,2-Dibromoethane

Concen: 18.901 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 107 Resp: 183118

Ion Ratio Lower Upper

107 100

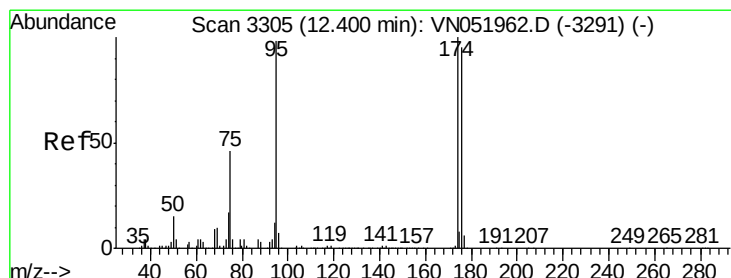
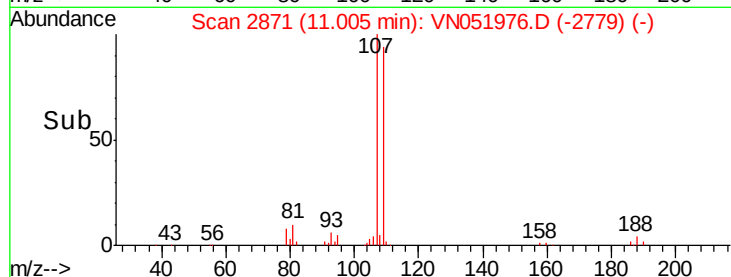
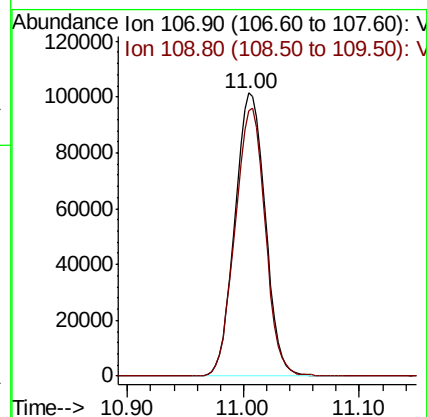
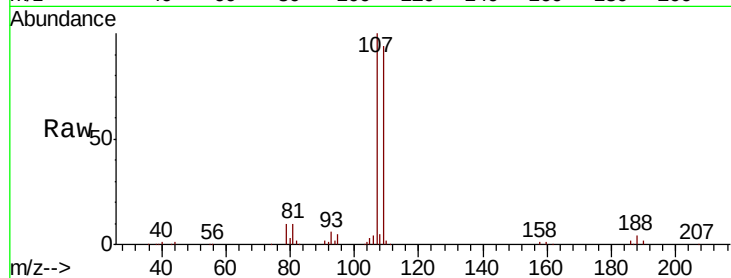
109 93.9 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 18.901 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

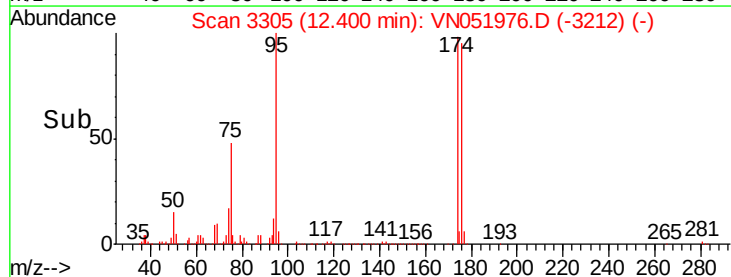
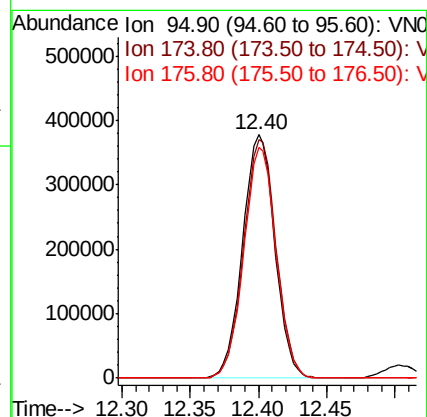
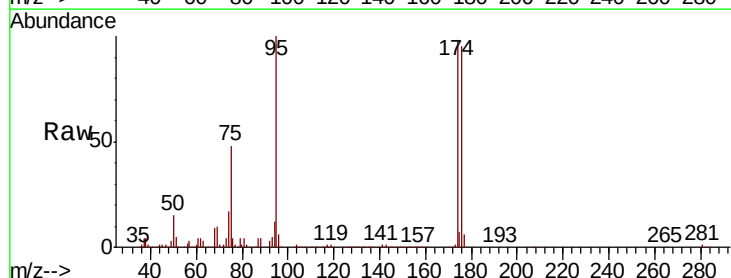
Tgt Ion: 95 Resp: 618726

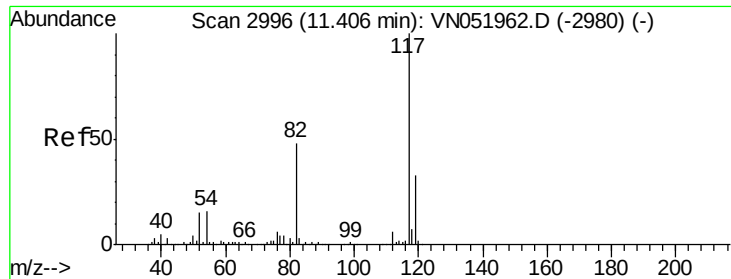
Ion Ratio Lower Upper

95 100

174 98.9 0.0 206.0

176 94.8 0.0 198.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion:117 Resp: 1481067

Ion Ratio Lower Upper

117 100

82 47.3 38.1 57.1

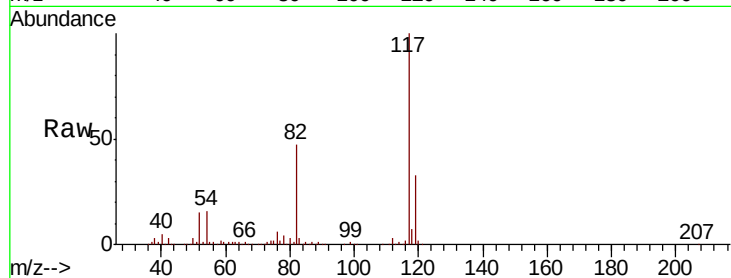
119 32.9 26.4 39.6

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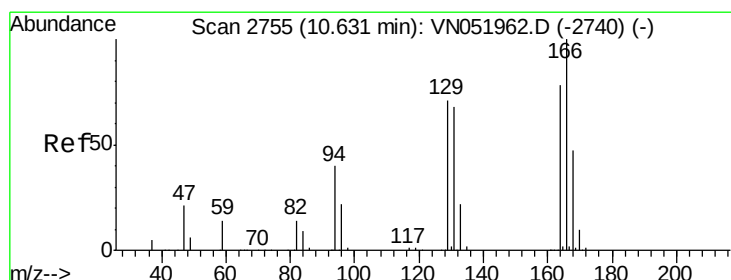
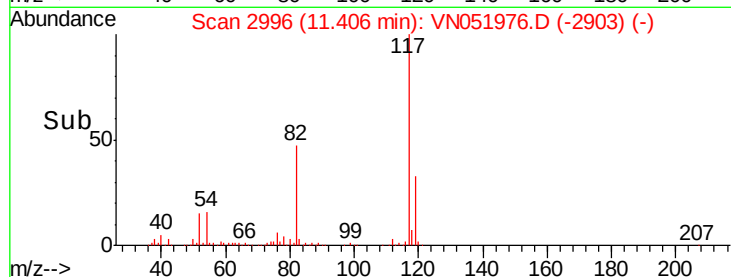
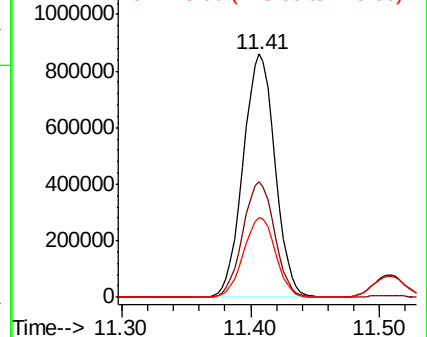


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.871 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:164 Resp: 214518

Ion Ratio Lower Upper

164 100

166 126.2 103.1 154.7

129 91.0 73.6 110.4

131 87.0 70.3 105.5

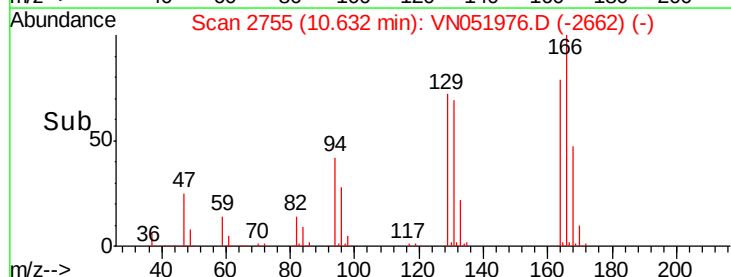
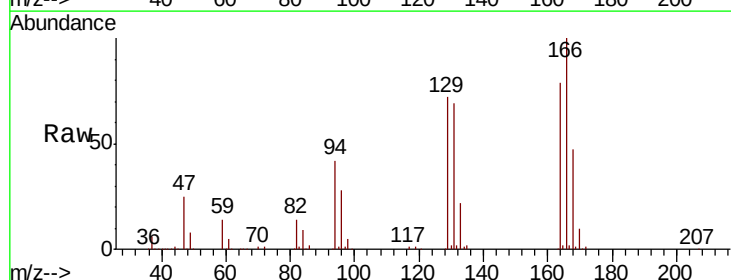
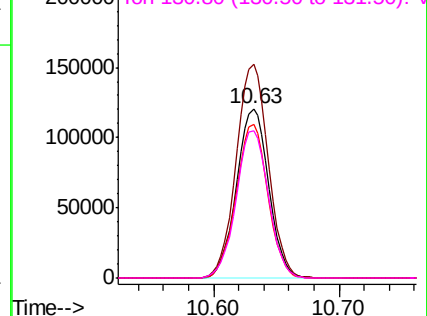
Abundance

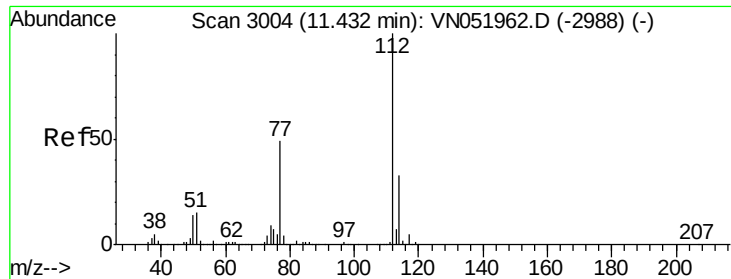
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





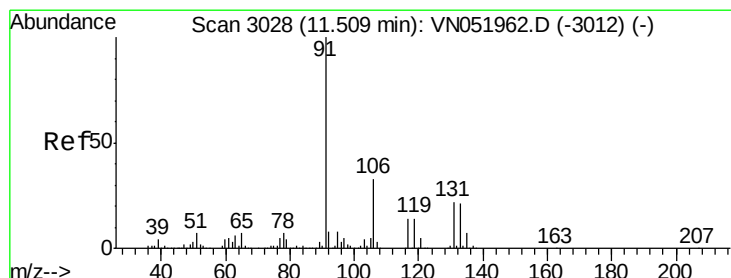
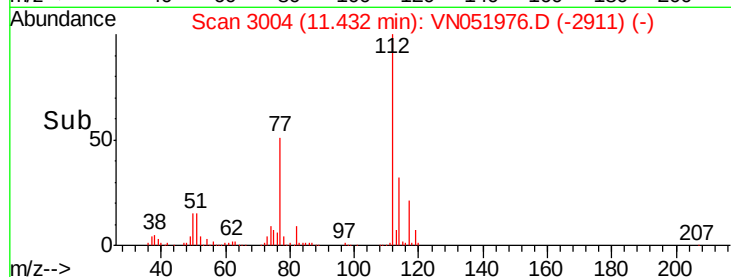
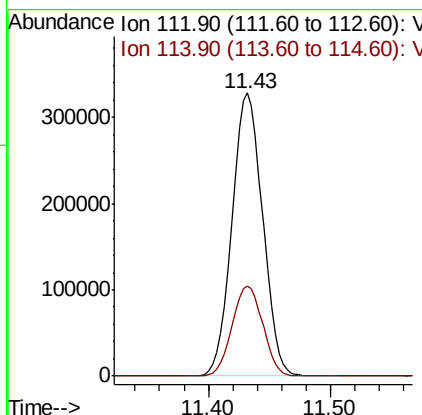
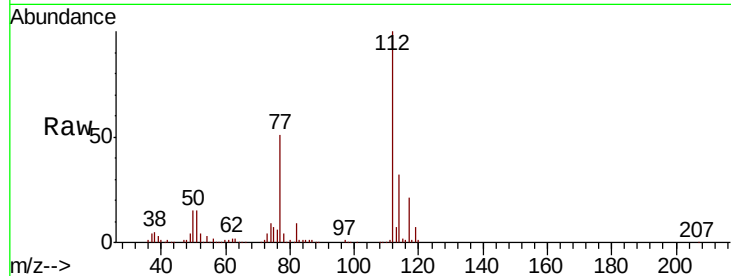
#65
Chlorobenzene
Concen: 19.145 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.1	39.1

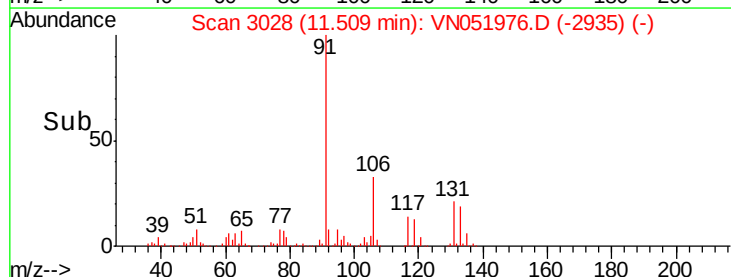
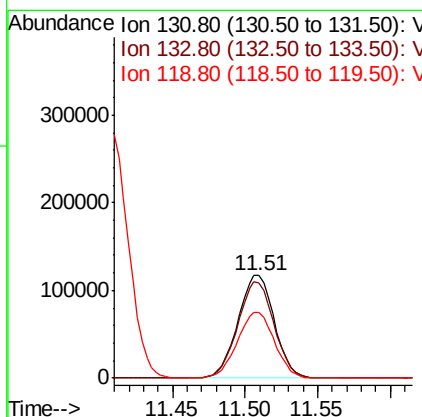
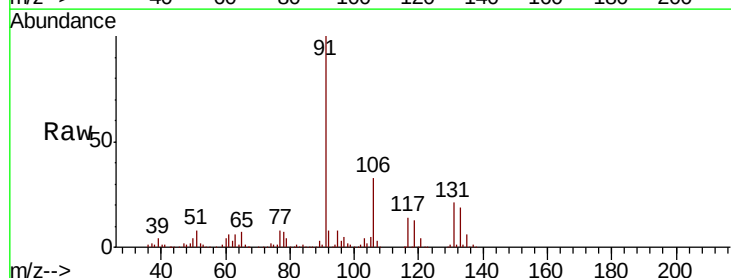
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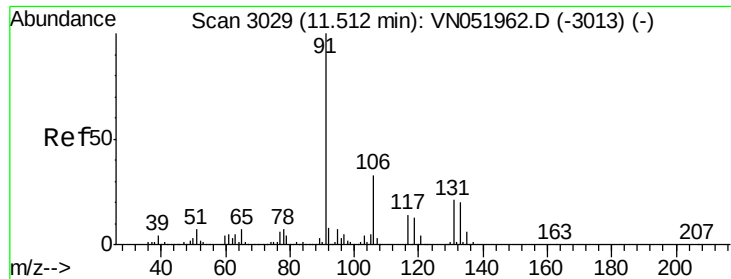
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.001 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.8	143.3
119	65.7	32.0	96.2





#67

Ethyl Benzene

Concen: 19.480 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 91 Resp: 936344

Ion Ratio Lower Upper

91 100

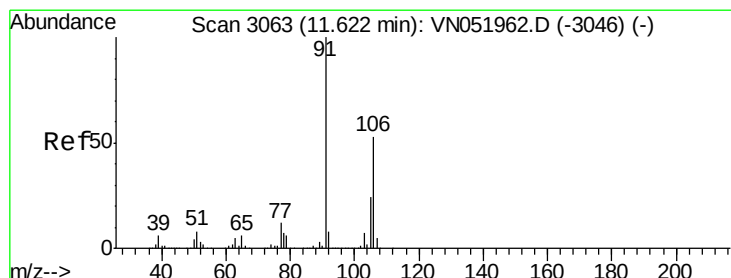
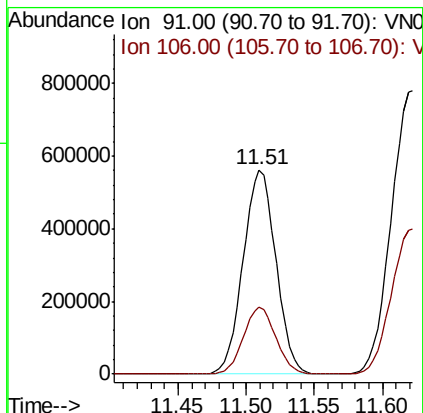
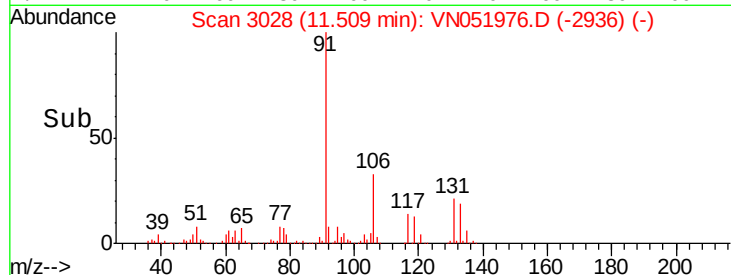
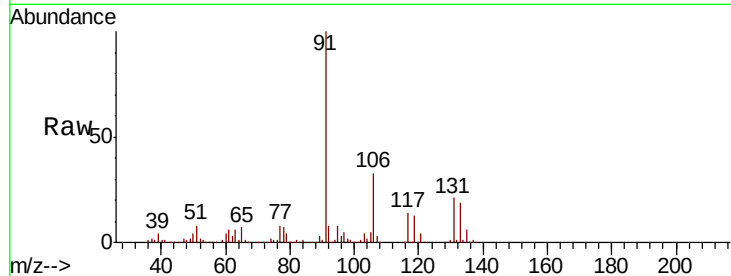
106 32.9 26.4 39.6

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#68

m/p-Xylenes

Concen: 39.102 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051976.D

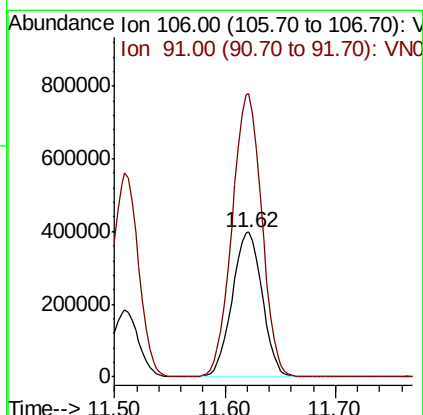
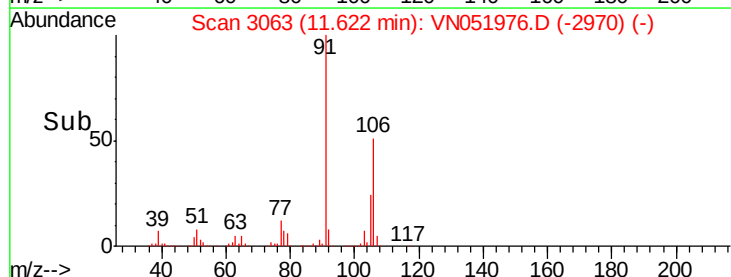
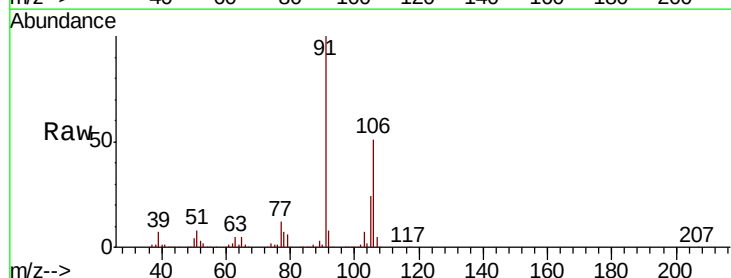
Acq: 24 Oct 2018 9:45

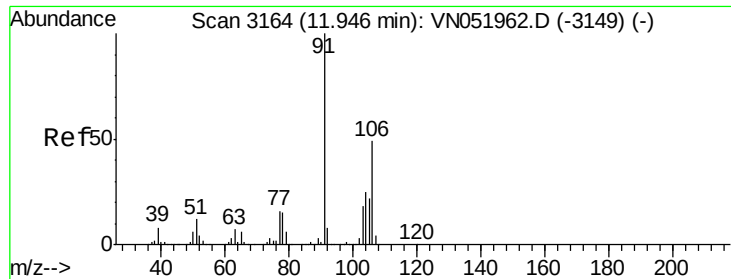
Tgt Ion: 106 Resp: 750957

Ion Ratio Lower Upper

106 100

91 193.5 152.2 228.2





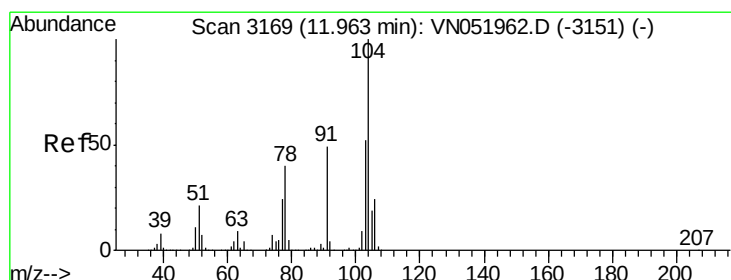
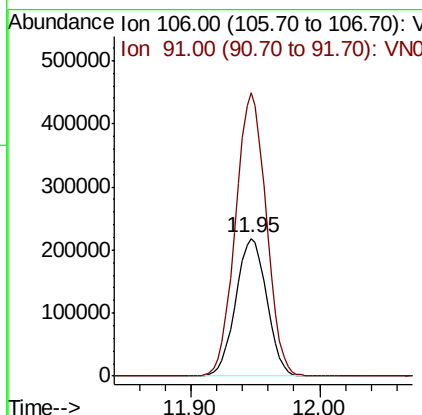
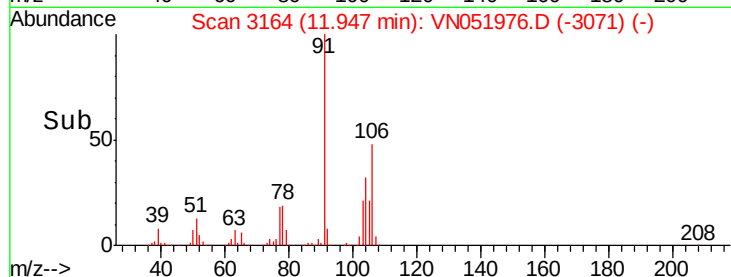
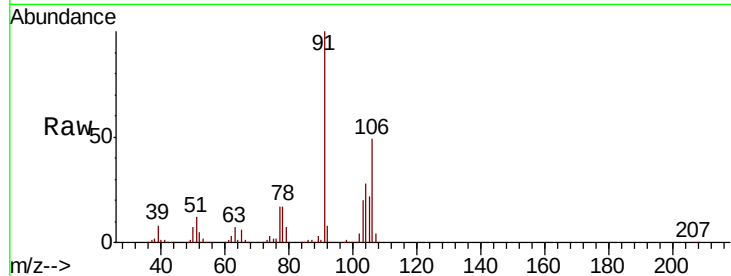
#69
o-Xylene
Concen: 19.571 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampled :
VN1024WBS01

Tot Ion:106 Resp: 365541
Ion Ratio Lower Upper
106 100
91 203.3 101.0 303.0

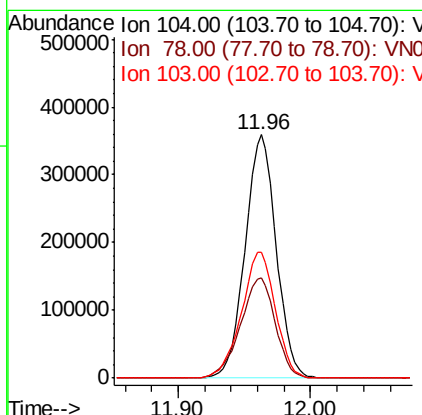
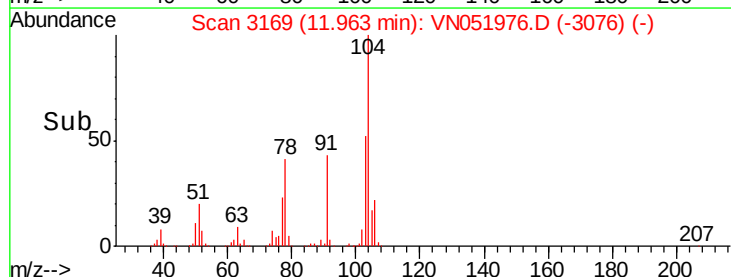
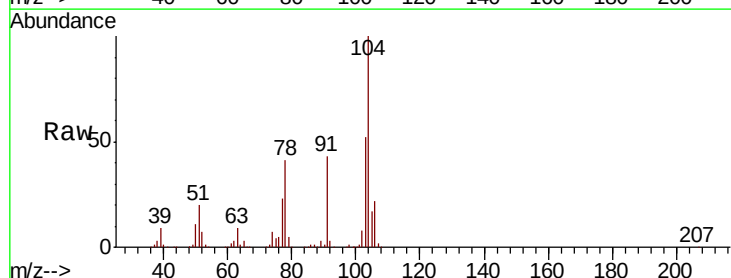
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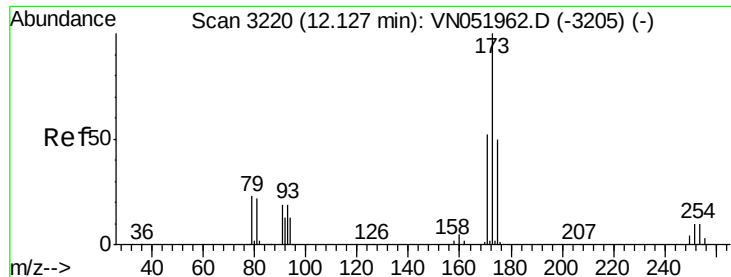
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#70
Styrene
Concen: 19.553 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion:104 Resp: 583698
Ion Ratio Lower Upper
104 100
78 46.1 35.8 53.6
103 56.7 44.9 67.3





#71

Bromoform

Concen: 17.052 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

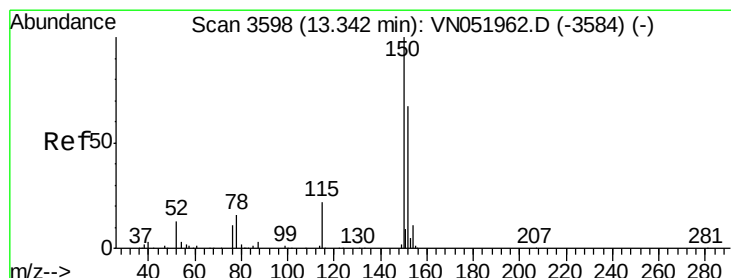
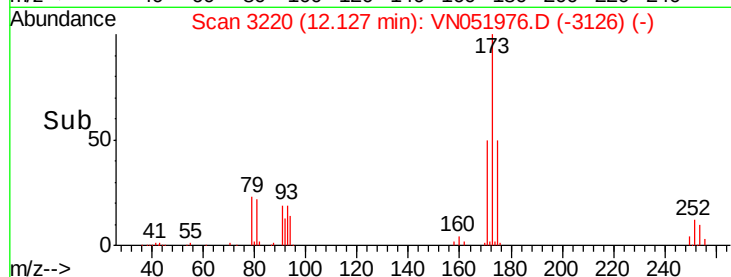
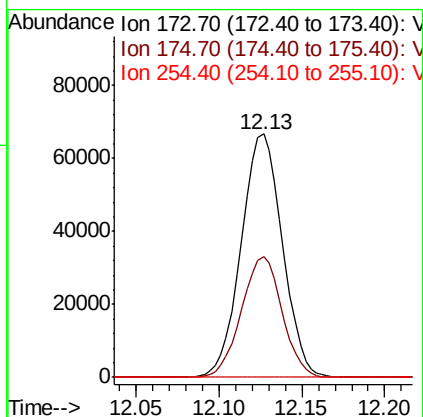
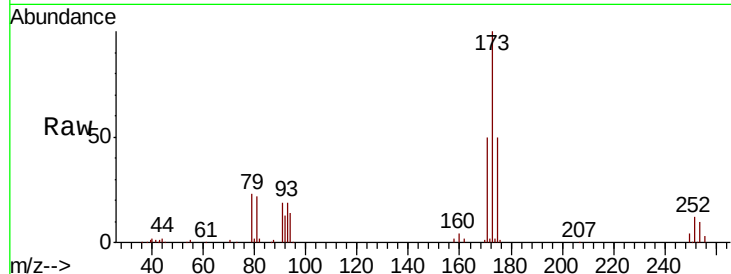
ClientSampleId :

VN1024WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

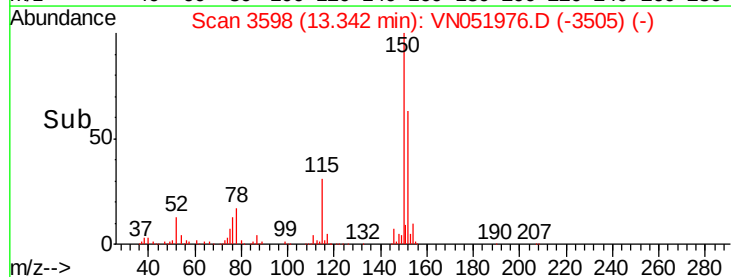
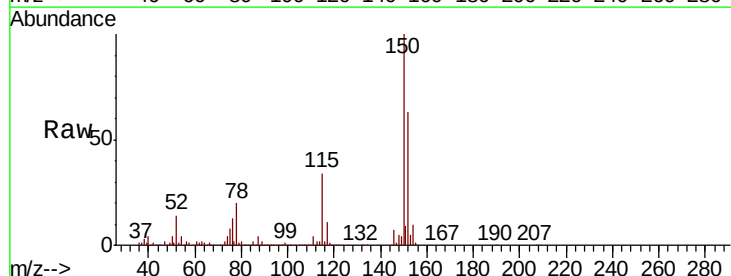
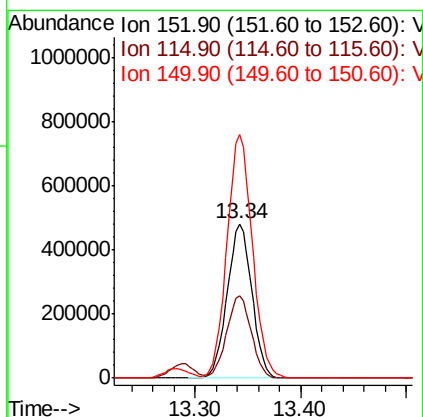
RT: 13.34 min Scan# 3598

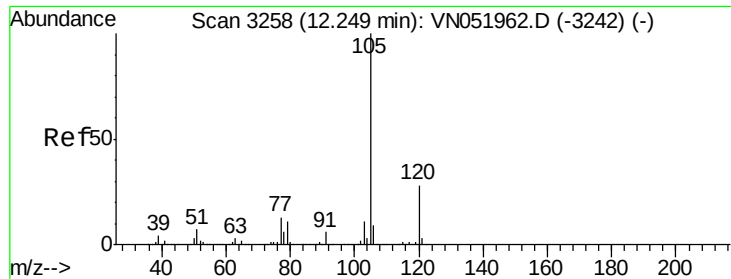
Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	25.8	77.3
150	163.3	0.0	344.4





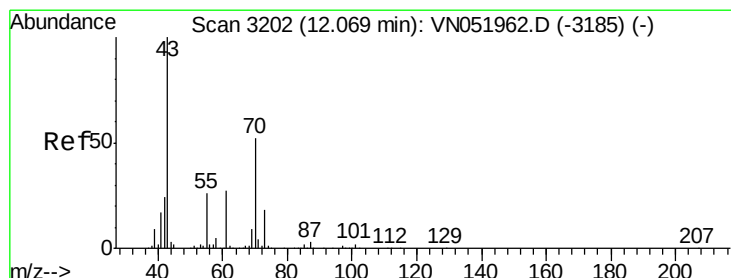
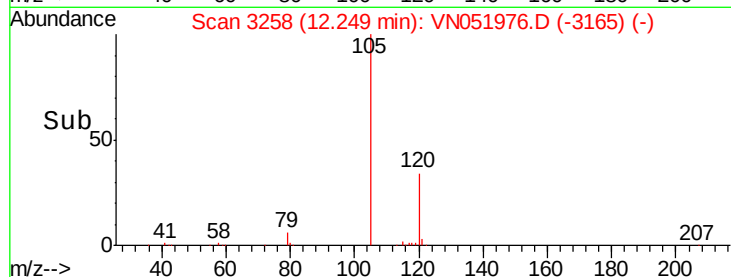
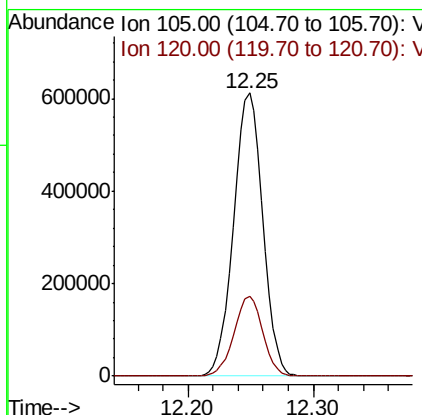
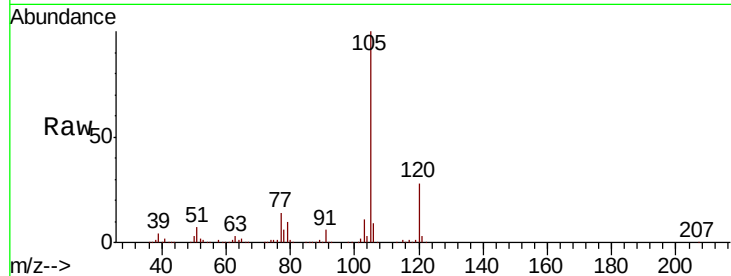
#73
Isopropylbenzene
Concen: 20.072 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	14.0	41.9

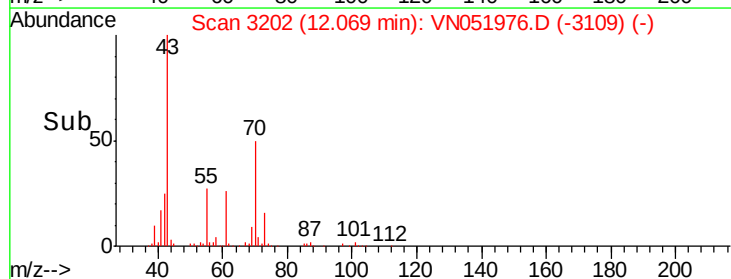
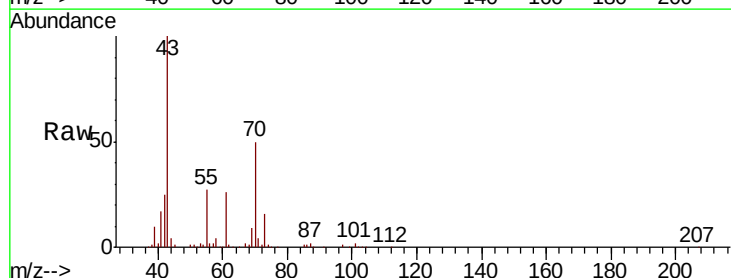
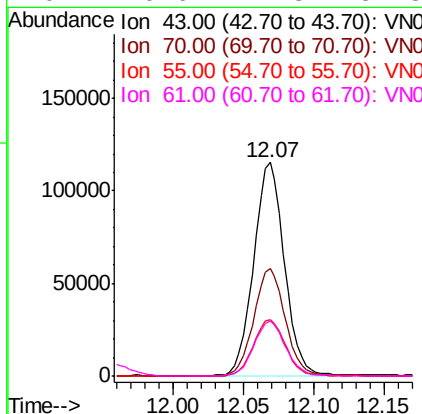
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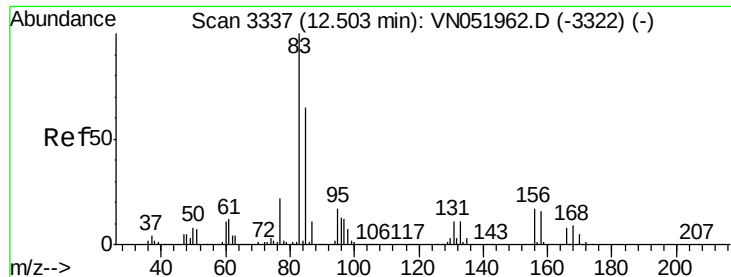
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#74
N-ethyl acetate
Concen: 18.256 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.2	41.3	61.9
55	27.5	21.2	31.8
61	26.6	21.8	32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.280 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

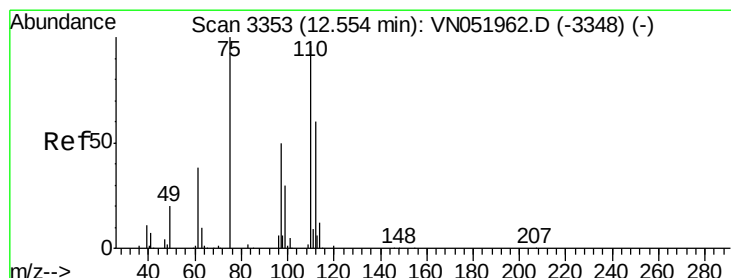
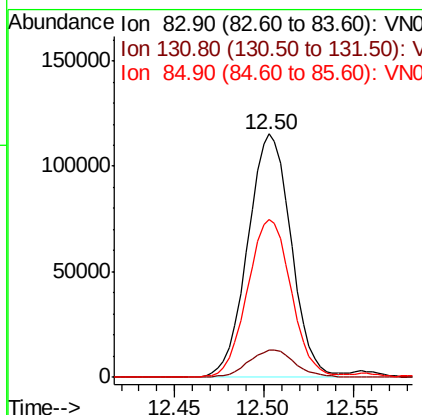
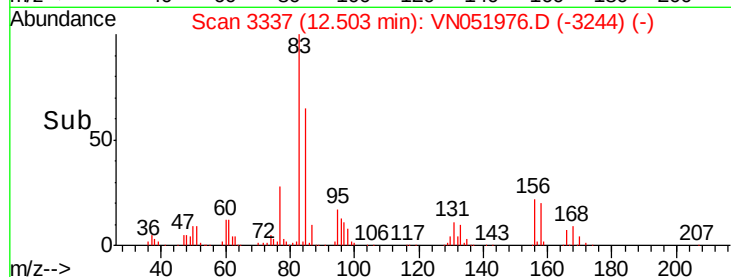
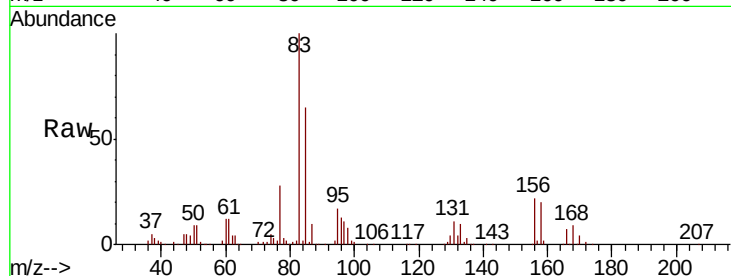
ClientSampleId :

VN1024WBS01

Tot Ion:	83	Resp:	195864
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.2	18.6
85	65.6	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 17.371 ug/l m

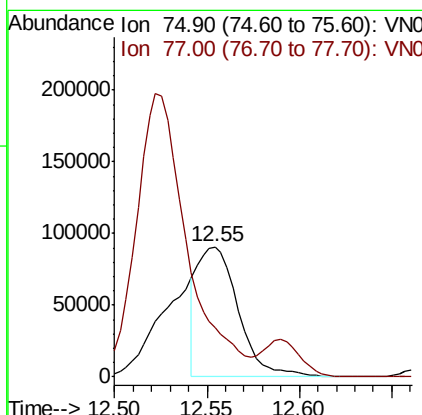
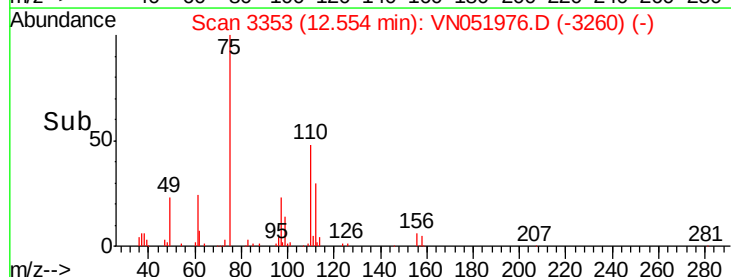
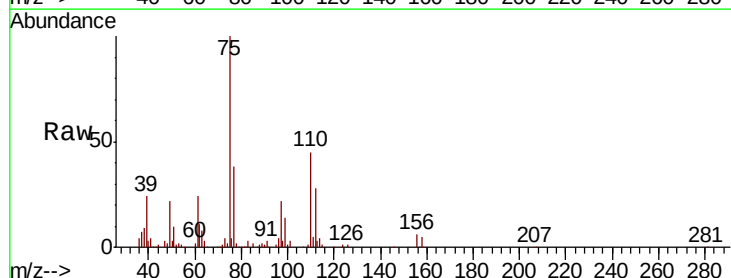
RT: 12.55 min Scan# 3353

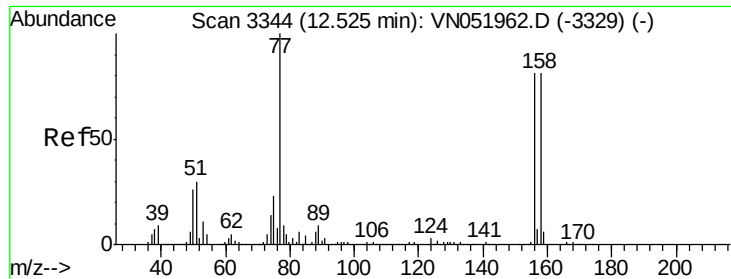
Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:	75	Resp:	139101
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.325 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

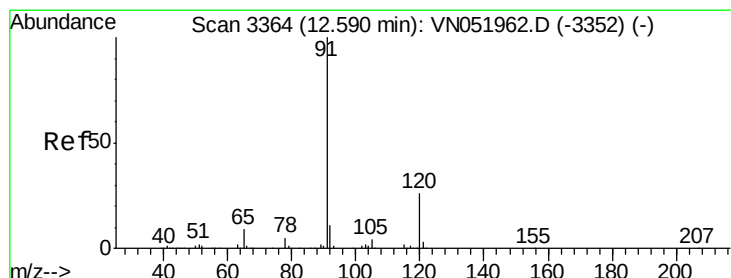
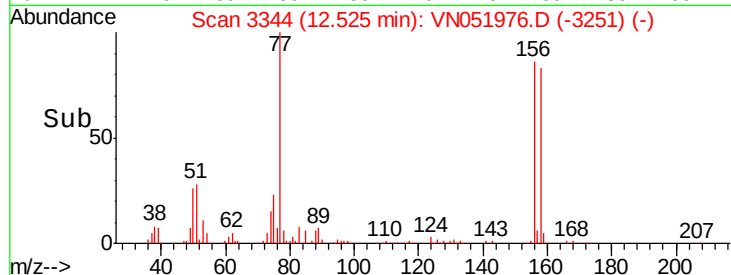
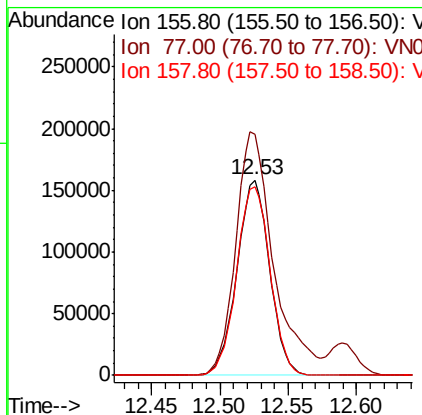
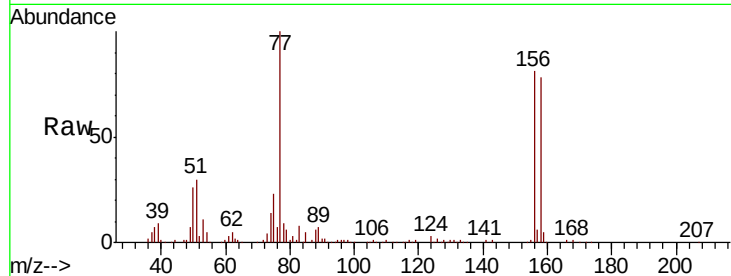
ClientSampleId :

VN1024WBS01

Tot Ion:	156	Resp:	262215
Ion Ratio	Lower	Upper	
156	100		
77	145.4	71.1	213.3
158	99.6	49.3	147.8

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#78

n-propylbenzene

Concen: 20.304 ug/l

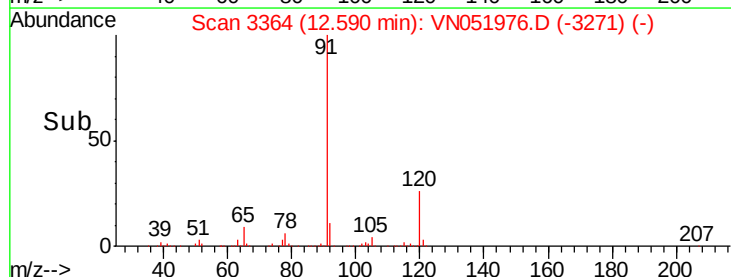
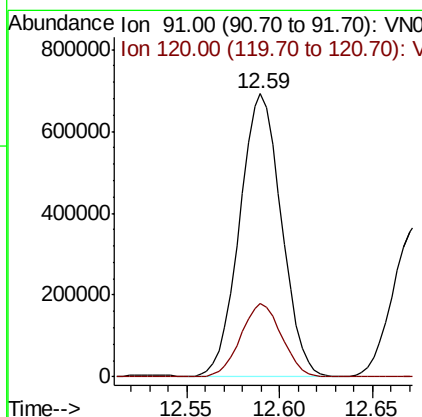
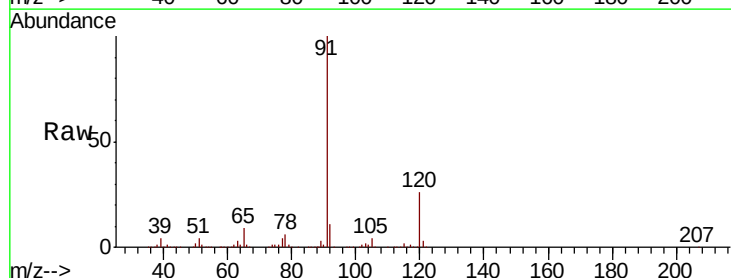
RT: 12.59 min Scan# 3364

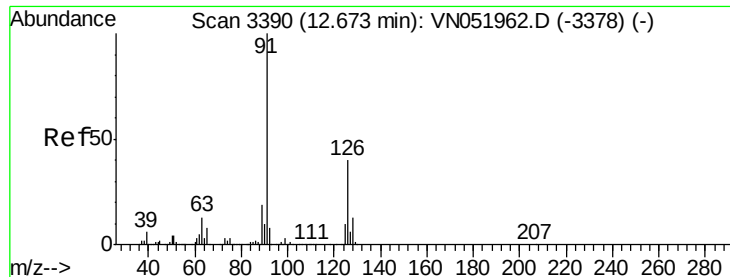
Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:	91	Resp:	1076832
Ion Ratio	Lower	Upper	
91	100		
120	25.4	13.1	39.3





#79

2-Chlorotoluene

Concen: 20.070 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion: 91 Resp: 619879

Ion Ratio Lower Upper

91 100

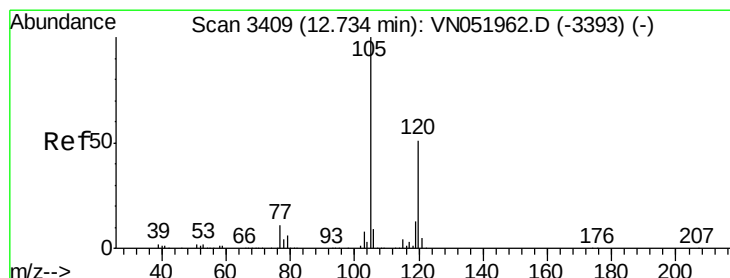
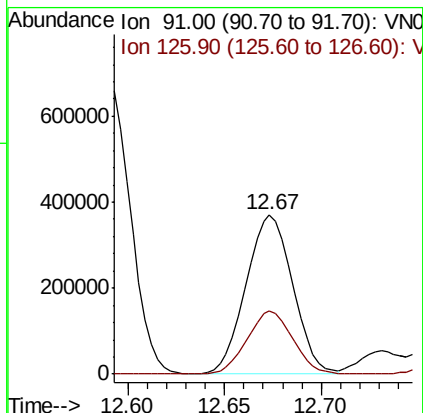
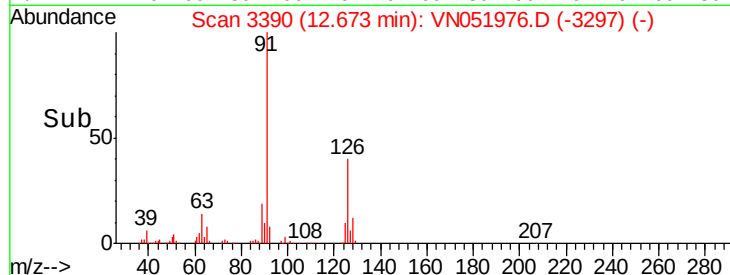
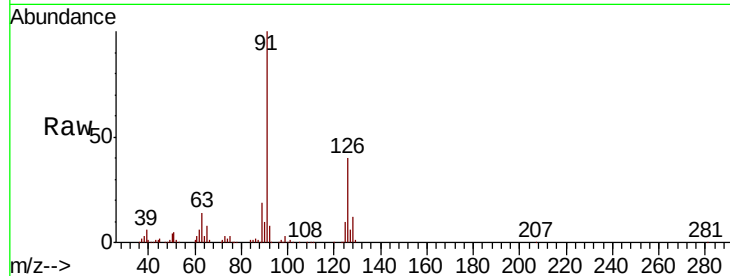
126 39.0 20.1 60.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.771 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051976.D

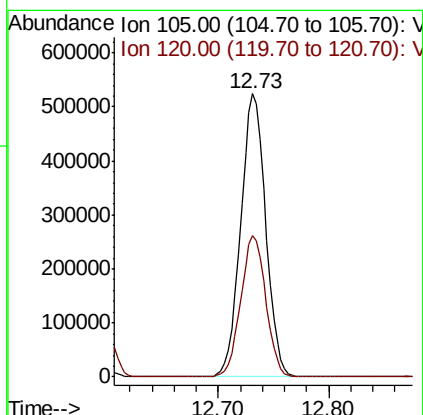
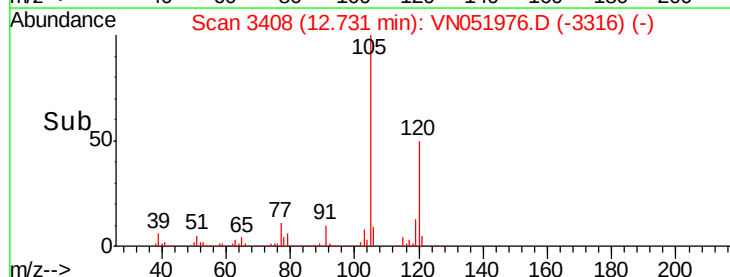
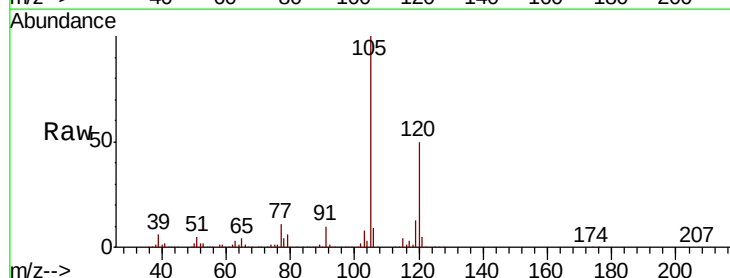
Acq: 24 Oct 2018 9:45

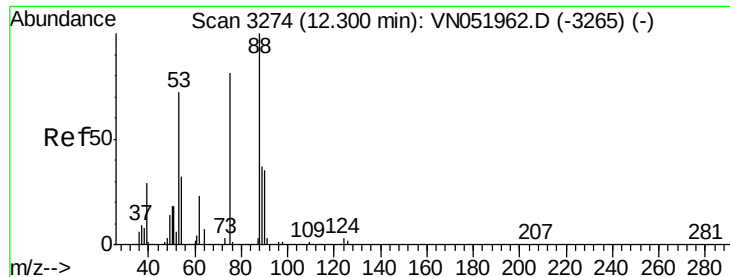
Tgt Ion: 105 Resp: 819311

Ion Ratio Lower Upper

105 100

120 50.1 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.961 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

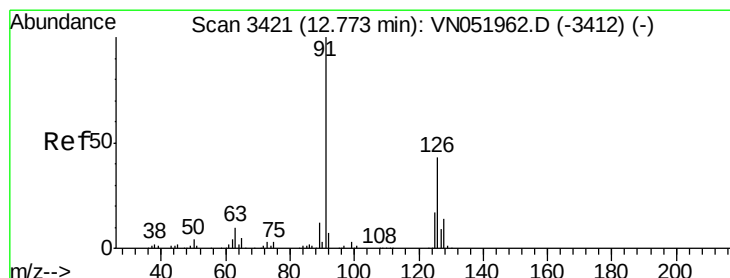
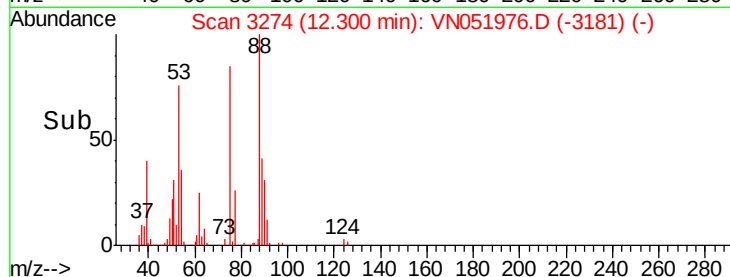
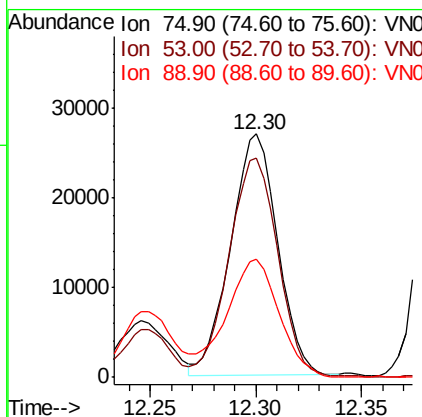
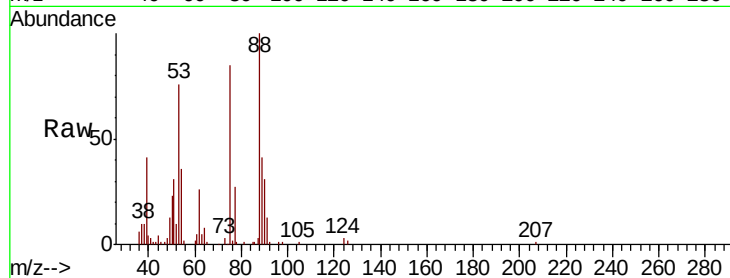
ClientSampleId :

VN1024WBS01

Tot Ion:	75	Resp:	41639
Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.5	110.3
89	54.5	41.6	62.4

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#82

4-Chlorotoluene

Concen: 20.065 ug/l

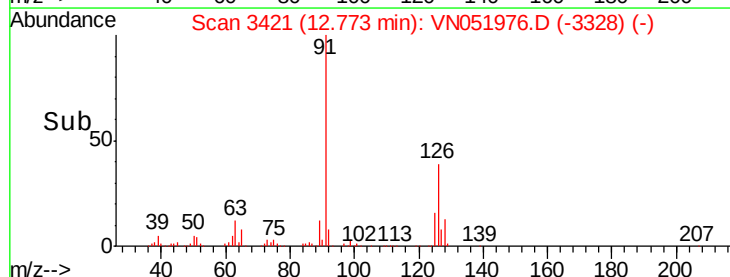
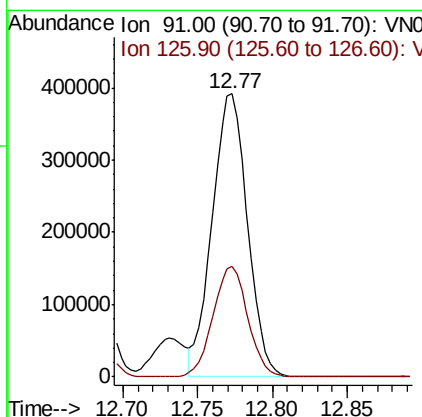
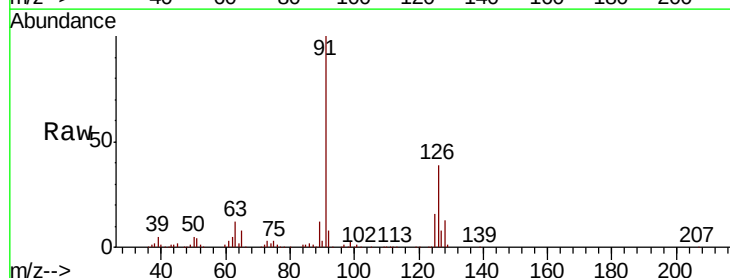
RT: 12.77 min Scan# 3421

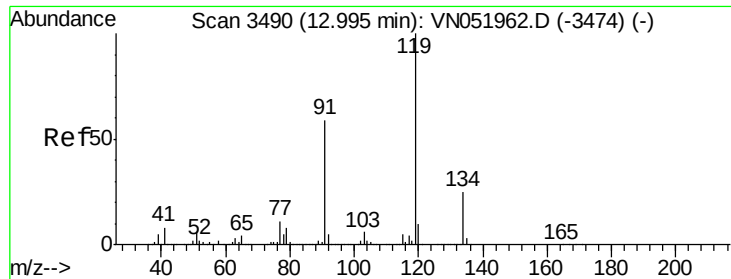
Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Tgt Ion:	91	Resp:	641644
Ion	Ratio	Lower	Upper
91	100		
126	38.5	19.7	59.0





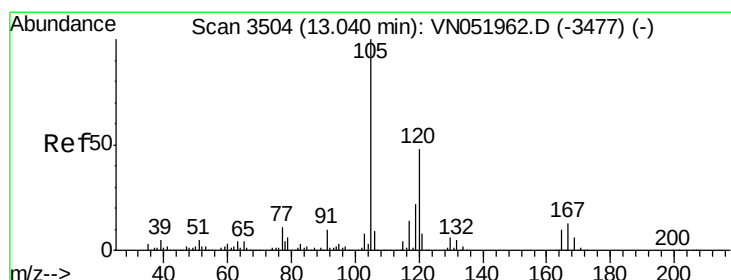
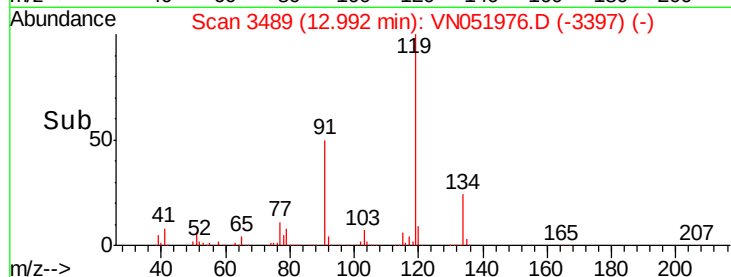
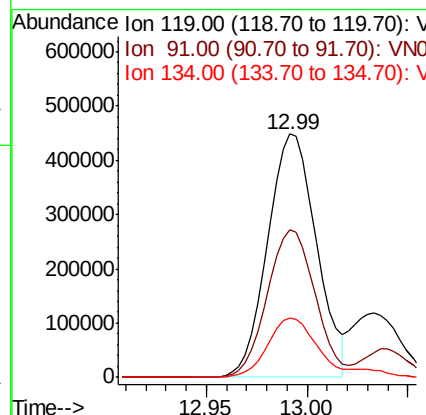
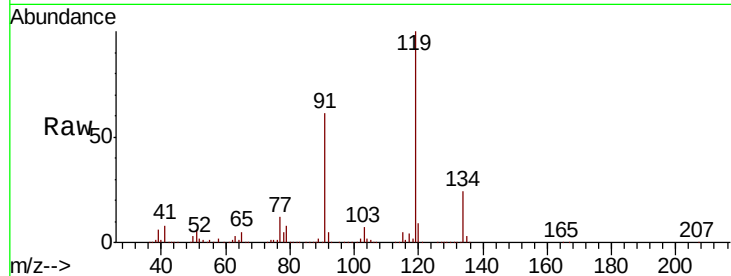
#83
tert-Butylbenzene
Concen: 20.230 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	754748		
91	59.6		28.8	86.4
134	24.2		13.4	40.1

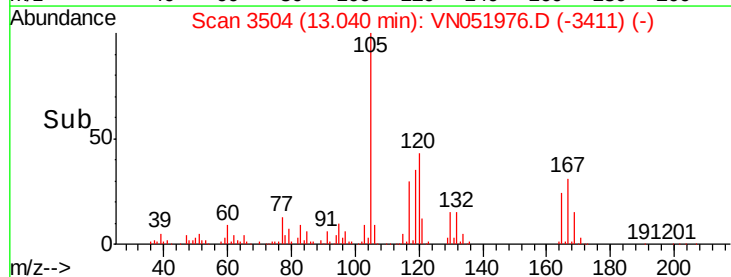
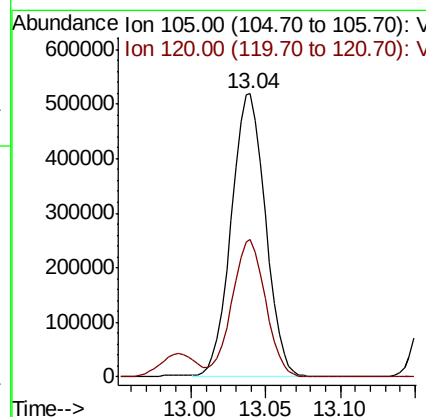
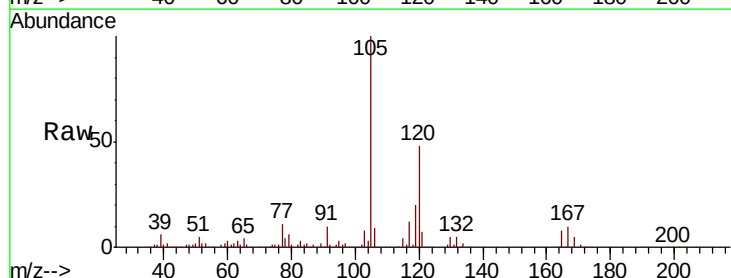
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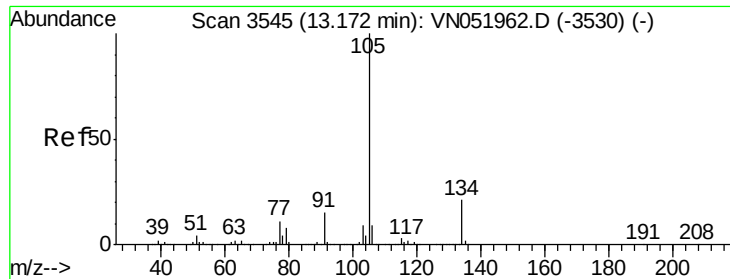
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#84
1,2,4-Trimethylbenzene
Concen: 20.275 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	824938		
120	47.4		23.8	71.5





#85

sec-Butylbenzene

Concen: 20.413 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBS01

Tot Ion:105 Resp: 994638

Ion Ratio Lower Upper

105 100

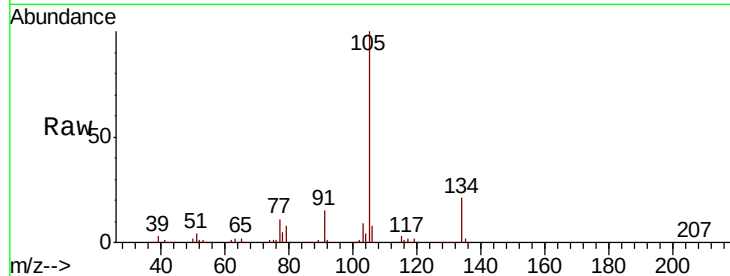
134 21.4 10.9 32.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

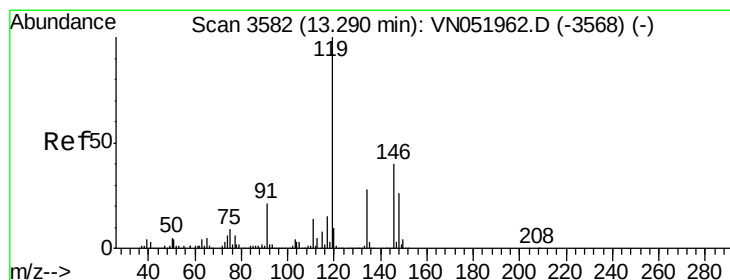
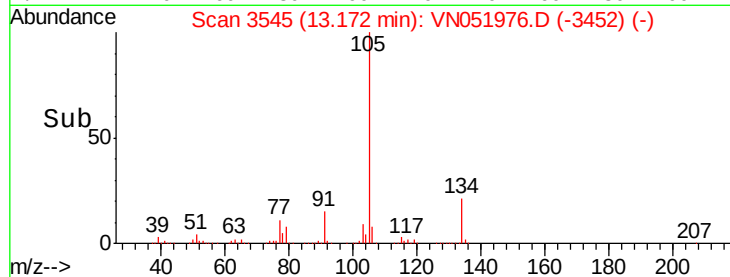
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.336 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051976.D

Acq: 24 Oct 2018 9:45

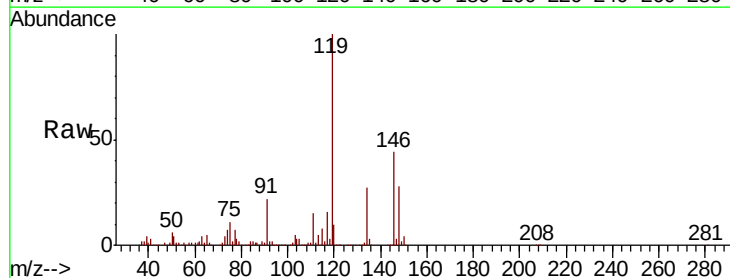
Tgt Ion:119 Resp: 892102

Ion Ratio Lower Upper

119 100

134 27.0 13.9 41.7

91 22.1 10.6 31.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

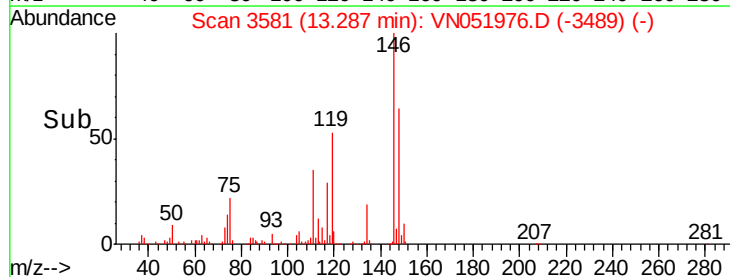
600000

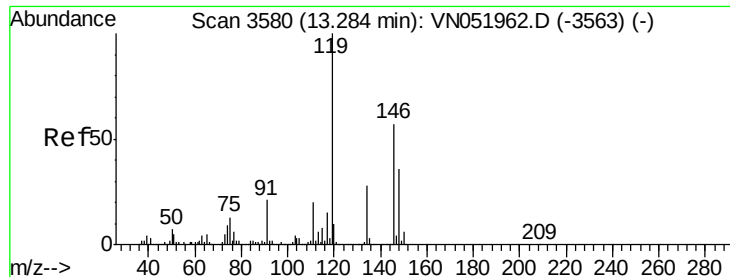
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





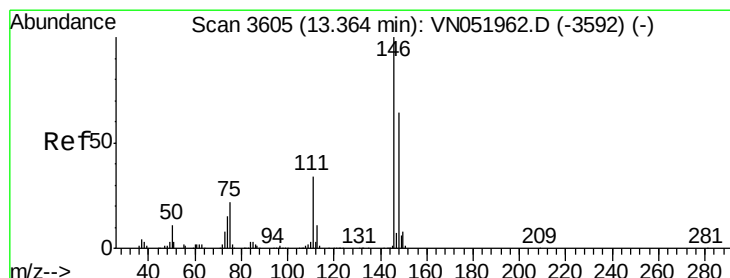
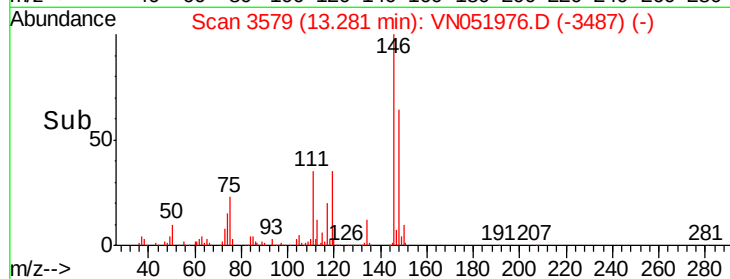
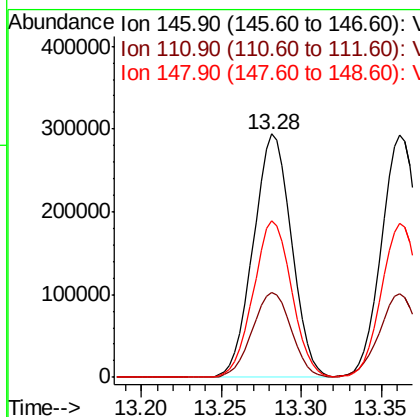
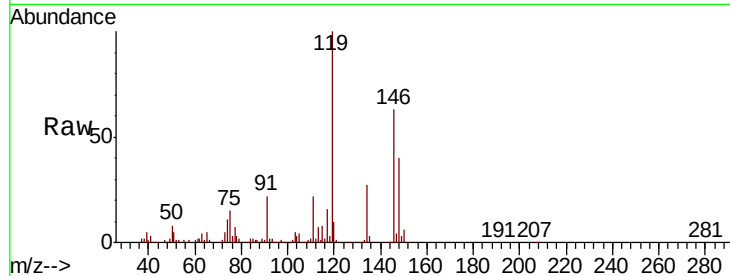
#87
 1,3-Dichlorobenzene
 Concen: 19.310 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.6	52.8
148	64.6	32.0	96.0

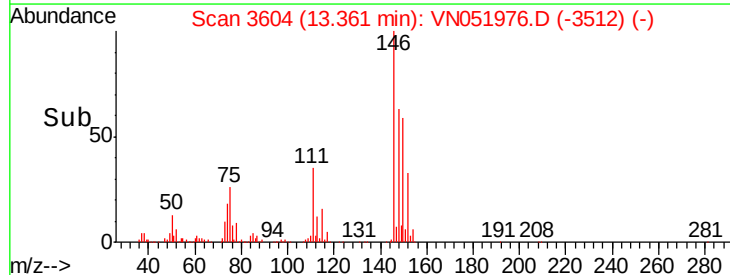
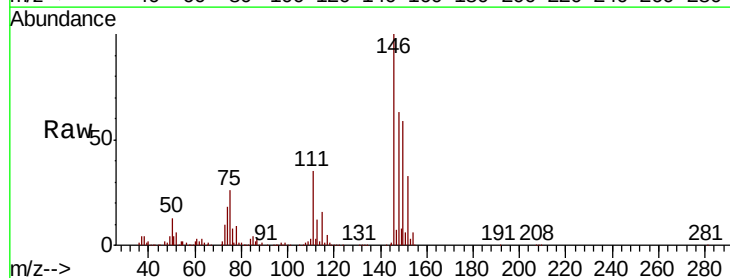
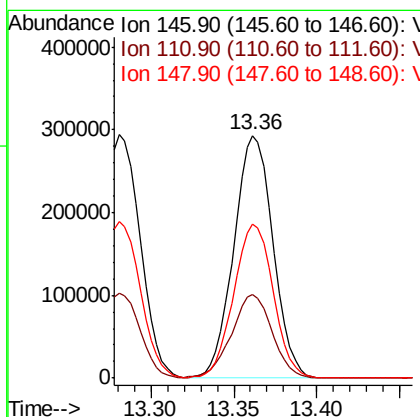
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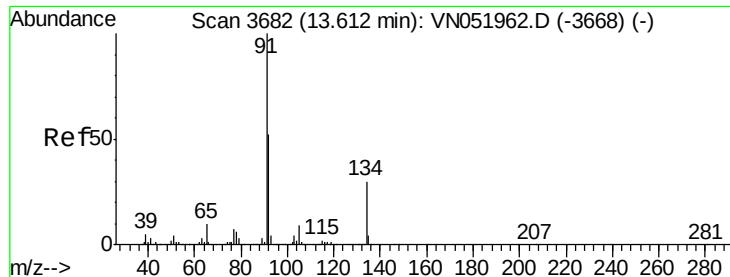
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#88
 1,4-Dichlorobenzene
 Concen: 19.477 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.3	51.7
148	64.0	32.1	96.3





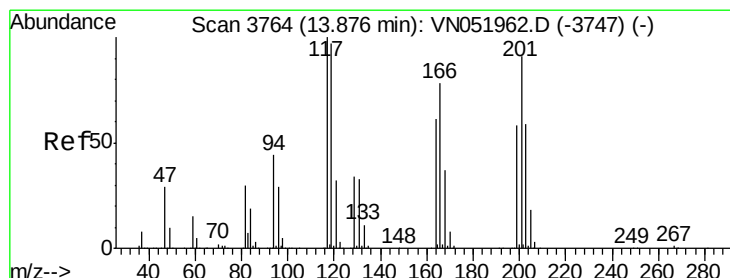
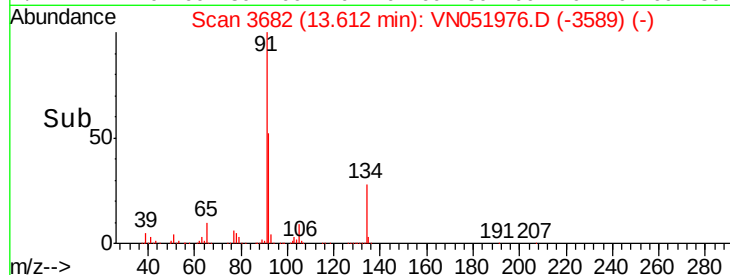
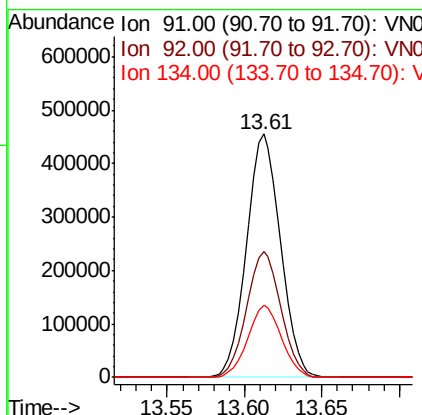
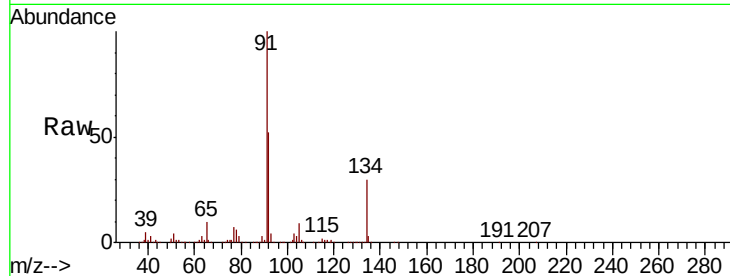
#89
n-Butylbenzene
Concen: 19.965 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	29.3	15.2	45.6

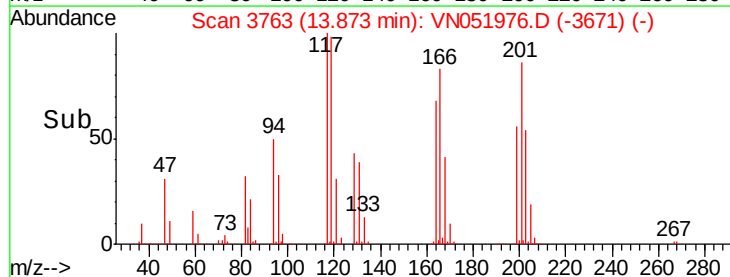
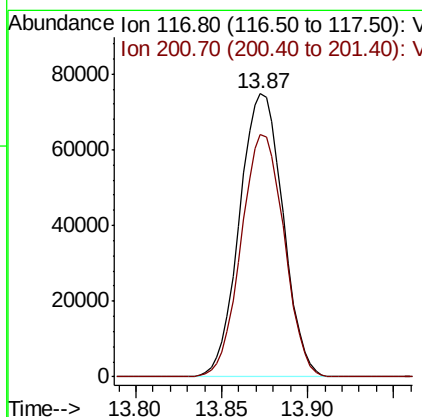
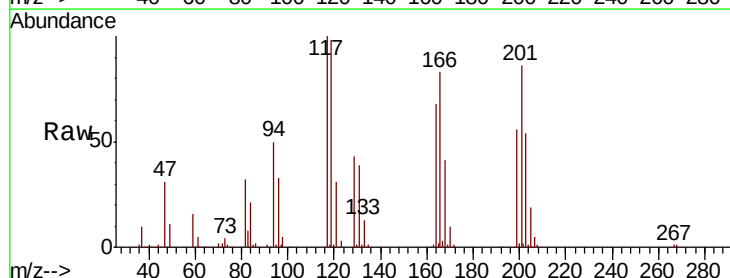
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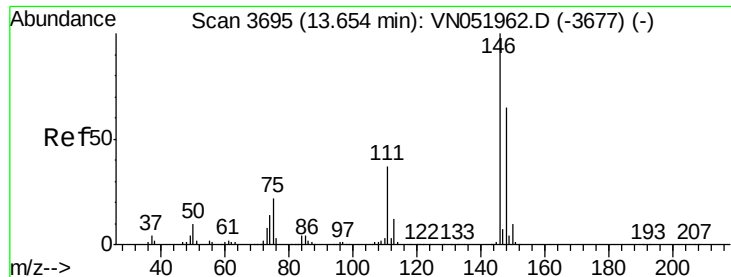
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#90
Hexachloroethane
Concen: 20.068 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	45.6	136.9





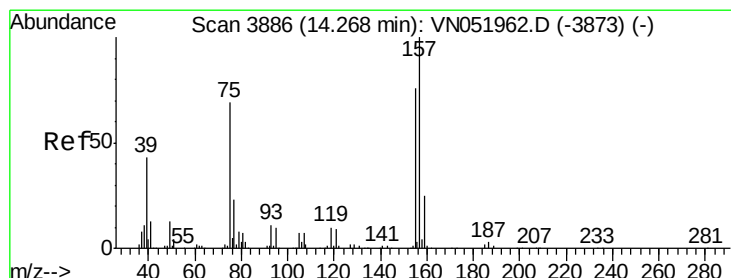
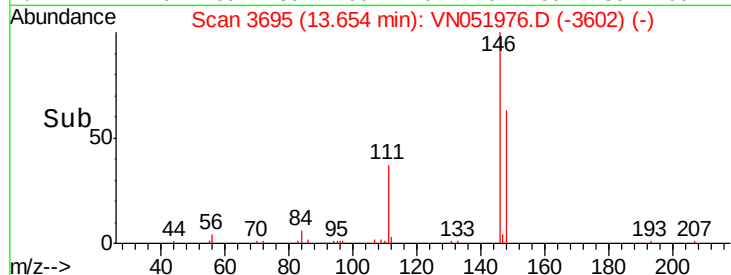
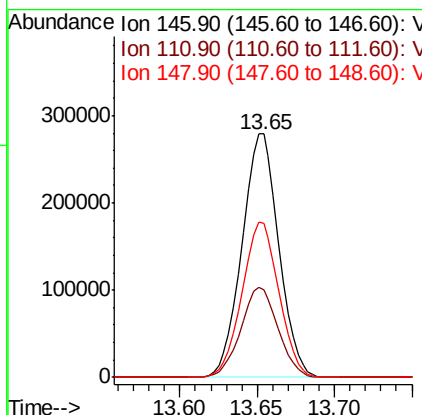
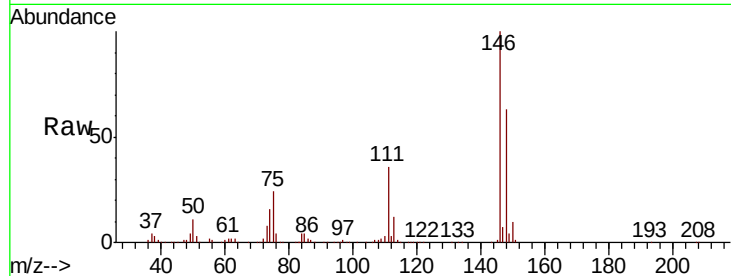
#91
 1,2-Dichlorobenzene
 Concen: 19.094 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	64.1	32.4	97.0

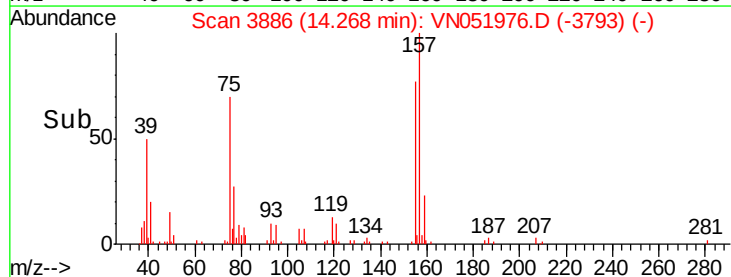
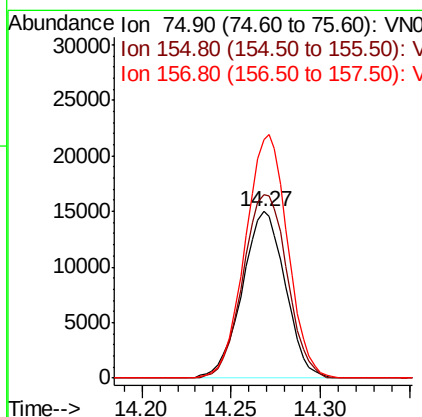
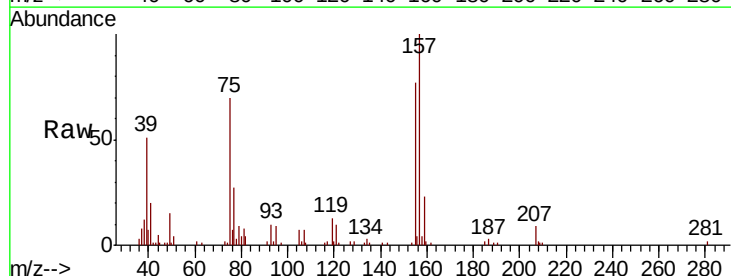
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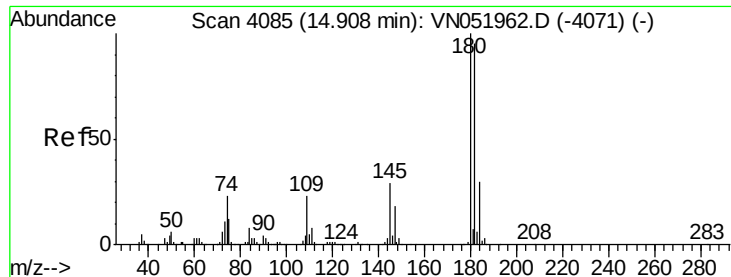
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.228 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.1	56.0	167.9
157	144.1	73.9	221.6





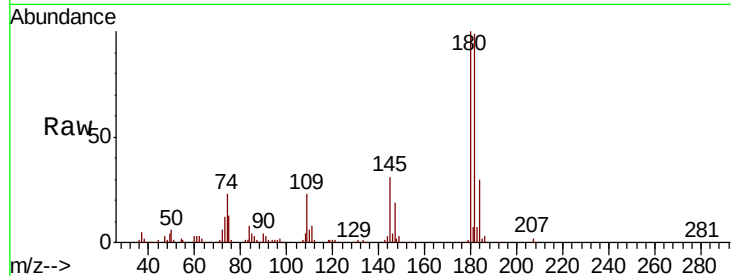
#93
 1,2,4-Trichlorobenzene
 Concen: 16.432 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234985		
182	96.2	47.8	143.4	
145	29.7	14.5	43.5	

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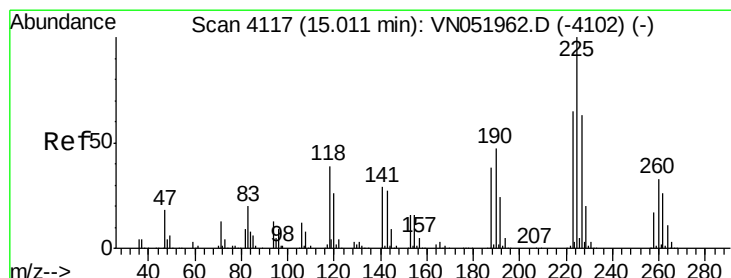
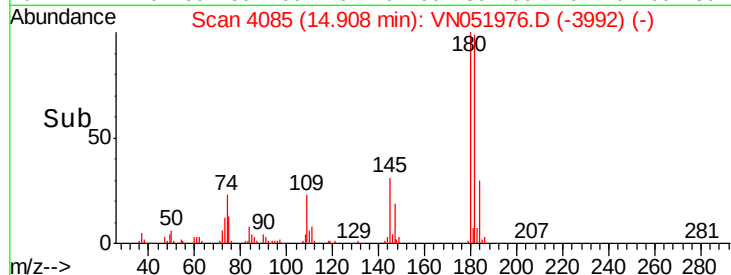
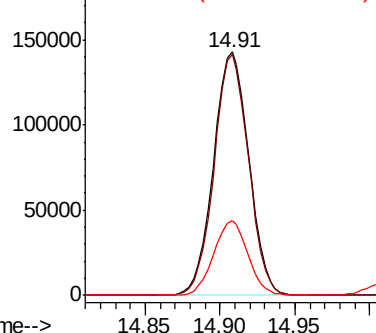


Abundance

Ion 179.80 (179.50 to 180.50): V

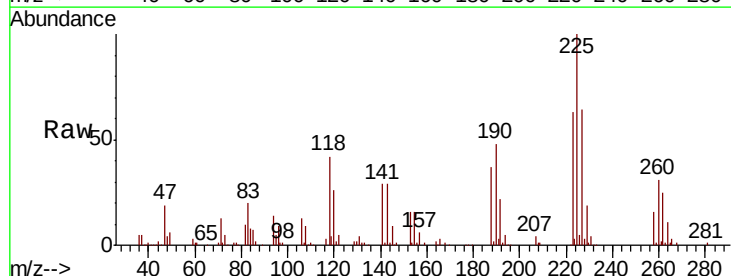
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.312 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051976.D
 Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134562		
223	60.5	31.8	95.4	
227	62.9	31.4	94.2	

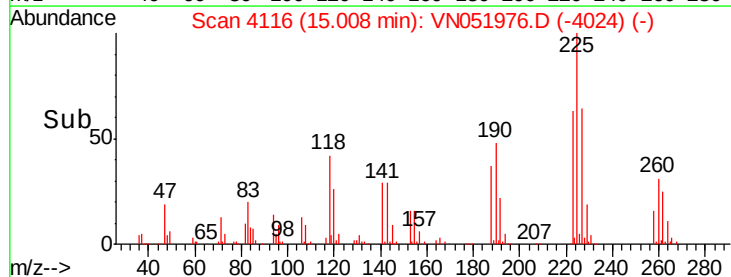
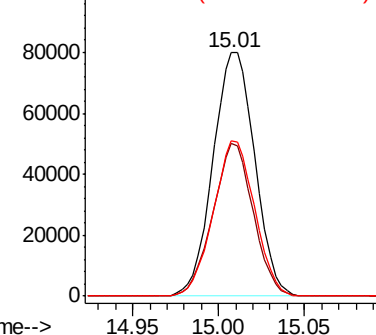


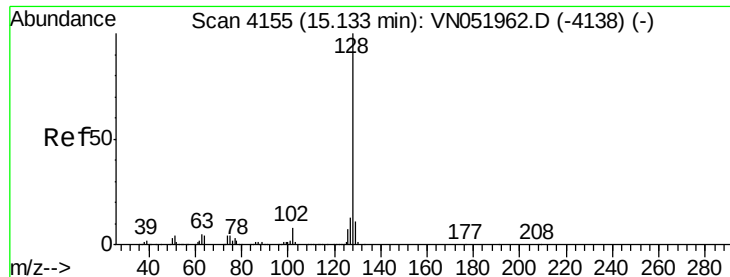
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





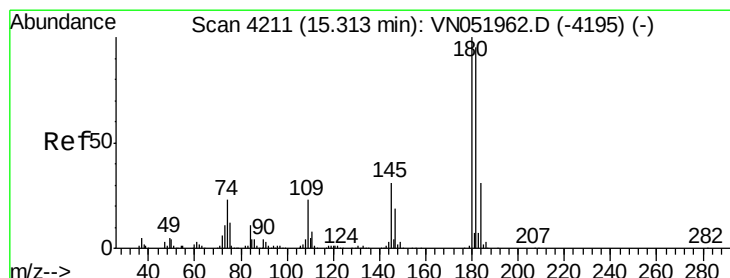
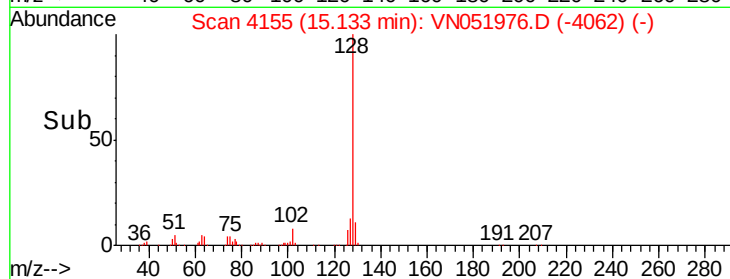
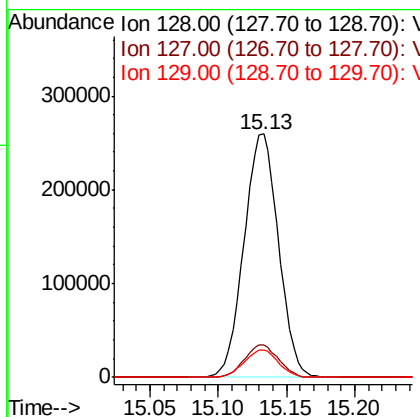
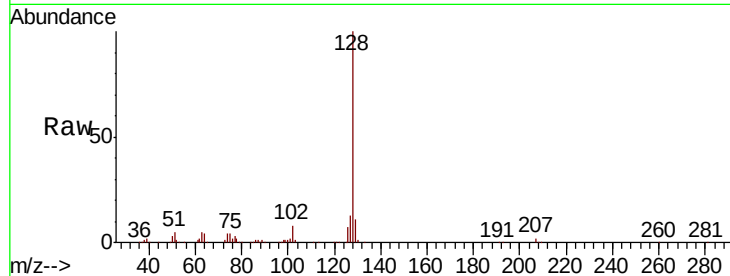
#95
Naphthalene
Concen: 14.668 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
10/25/2018 9:23:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 15.086 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051976.D
Acq: 24 Oct 2018 9:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	30.1	15.4	46.2

