

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052014.D
 Acq On : 25 Oct 2018 16:57
 Operator : MD\SY
 Sample : VN1025WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 9:19:59 AM

Quant Time: Oct 26 02:24:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	169371	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	968398	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	874177	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	291032	28.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.13%
60) 4-Bromofluorobenzene	12.40	95	355896	28.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.10%
63) Toluene-d8	10.09	98	1109410	29.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	143614	21.825	ug/l 100
3) Chloromethane	2.06	50	128254	18.442	ug/l 98
4) Vinyl Chloride	2.19	62	160309	15.436	ug/l 97
5) Bromomethane	2.57	94	165225	18.006	ug/l 86
6) Chloroethane	2.71	64	121695	16.260	ug/l 100
7) Trichlorofluoromethane	3.02	101	307341	20.757	ug/l 96
8) Diethyl Ether	3.42	74	89312	20.721	ug/l 69
9) 1,1,2-Trichlorotrifluoroet	3.76	101	191512	22.712	ug/l # 39
10) 1,1-Dichloroethene	3.74	96	168340	21.588	ug/l # 80
11) Methyl Iodide	3.96	142	285359	25.173	ug/l 96
12) Methyl Acetate	4.33	43	100749m	20.806	ug/l
13) Acrolein	3.61	56	13010m	40.779	ug/l
14) Acrylonitrile	4.99	53	214617	99.167	ug/l # 62
15) Acetone	3.81	58	46449	86.821	ug/l 98
16) Carbon Disulfide	4.06	76	359328	17.546	ug/l 99
17) Allyl chloride	4.33	41	159115	17.187	ug/l 74
18) Methylene Chloride	4.56	84	193768	22.224	ug/l # 86
19) trans-1,2-Dichloroethene	5.05	96	192199	21.585	ug/l # 80
20) Diisopropyl ether	5.95	45	413061	20.033	ug/l # 81
21) 1,1-Dichloroethane	5.85	63	298056	20.688	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	228690	21.866	ug/l # 76
23) tert-Butyl Alcohol	4.77	59	35496m	62.275	ug/l
24) Methyl tert-Butyl Ether	5.05	73	438640	19.524	ug/l # 69
25) Chloroform	7.37	83	367476	21.500	ug/l 95
26) Cyclohexane	7.66	56	232374	19.025	ug/l # 68
29) 1,1-Dichloropropene	7.80	75	255443	20.464	ug/l 93
30) 2-Butanone	6.84	43	221408	84.862	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	266181m	18.127	ug/l
32) 1,1,1-Trichloroethane	7.57	97	328890	19.873	ug/l 94
33) Carbon Tetrachloride	7.78	117	296810	19.823	ug/l 89
34) Benzene	8.04	78	778547	21.085	ug/l # 65
35) Methacrylonitrile	7.18	41	50592	14.759	ug/l # 69
36) 1,2-Dichloroethane	8.12	62	243238	20.559	ug/l # 94
37) Trichloroethene	8.84	130	246999	21.549	ug/l 93
38) Methylcyclohexane	9.08	83	302516	18.895	ug/l 77
39) 1,2-Dichloropropane	9.12	63	174573	20.076	ug/l 95
40) Dibromomethane	9.21	93	134506	20.842	ug/l 90

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	260935	19.574	ug/l	94
42) Vinyl Acetate	5.90	43	1325690	90.262	ug/l #	88
43) Ethyl Acetate	6.93	43	98368	17.364	ug/l	100
44) Isopropyl Acetate	8.16	43	200716m	17.738	ug/l	
45) 1,4-Dioxane	9.20	88	24848	273.479	ug/l #	74
46) Methyl methacrylate	9.20	41	94994	18.200	ug/l	67
47) n-amyl Acetate	12.07	43	174523m	18.424	ug/l	
48) t-1,3-Dichloropropene	10.38	75	233464	17.960	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	276793	19.315	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	186650	20.932	ug/l	95
51) Ethyl methacrylate	10.43	69	192691	18.875	ug/l	82
52) 1,3-Dichloropropane	10.71	76	282676	20.540	ug/l	96
53) Dibromochloromethane	10.90	129	206112	18.685	ug/l	96
54) 1,2-Dibromoethane	11.01	107	198175	21.173	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	473609	108.522	ug/l #	91
56) Bromoform	12.13	173	122390	16.823	ug/l #	94
58) 4-Methyl-2-Pentanone	9.98	43	538193	92.000	ug/l #	86
59) 2-Hexanone	10.75	43	357080	90.478	ug/l #	89
61) Tetrachloroethene	10.63	164	233946	20.926	ug/l	96
62) Toluene	10.16	91	918242	21.144	ug/l	98
64) Chlorobenzene	11.43	112	626080	22.013	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	228379	20.920	ug/l	100
66) Ethyl Benzene	11.51	91	987885	20.583	ug/l	98
67) m/p-Xylenes	11.62	106	803944	41.315	ug/l	95
68) o-Xylene	11.95	106	393705	20.524	ug/l	88
69) Styrene	11.96	104	624248	21.210	ug/l	95
70) Isopropylbenzene	12.25	105	1044557	20.419	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	188082	18.618	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	156099m	19.642	ug/l	
73) Bromobenzene	12.53	156	284803	22.477	ug/l	75
74) n-propylbenzene	12.59	91	1104701	20.076	ug/l	93
75) 2-Chlorotoluene	12.67	91	645862	20.021	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	841470	19.892	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	40334	15.345	ug/l	93
78) 4-Chlorotoluene	12.77	91	648087	20.448	ug/l	88
79) tert-butylbenzene	12.99	119	780430	20.061	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	846631	20.026	ug/l	96
81) sec-Butylbenzene	13.17	105	1005817	19.764	ug/l	95
82) p-Isopropyltoluene	13.29	119	900202	19.768	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	488975	21.870	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	470814	22.368	ug/l	98
85) n-Butylbenzene	13.62	91	666941	19.422	ug/l	95
86) Hexachloroethane	13.87	117	129759	16.525	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	451658	20.866	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20444	13.551	ug/l #	64
89) 1,2,4-Trichlorobenzene	14.91	180	166087	19.353	ug/l	97
90) Hexachlorobutadiene	15.01	225	113504	16.272	ug/l	97
91) Naphthalene	15.13	128	288066	18.264	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	131648	13.368	ug/l	92

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ClientSampleId :
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QLast Update : Fri Oct 12 10:23:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

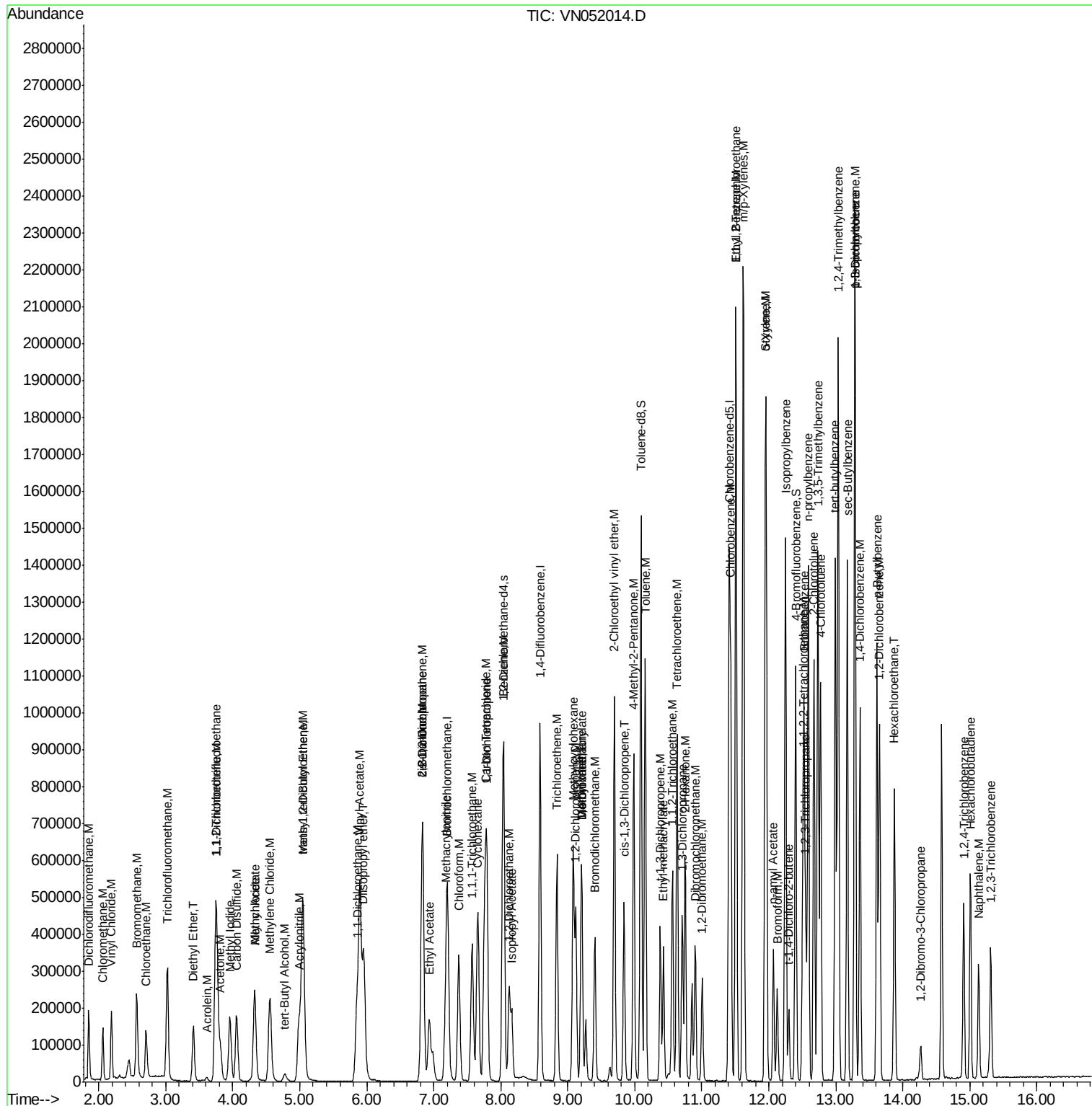
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
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Acq On : 25 Oct 2018 16:57
Operator : MD\SY
Sample : VN1025WBS02
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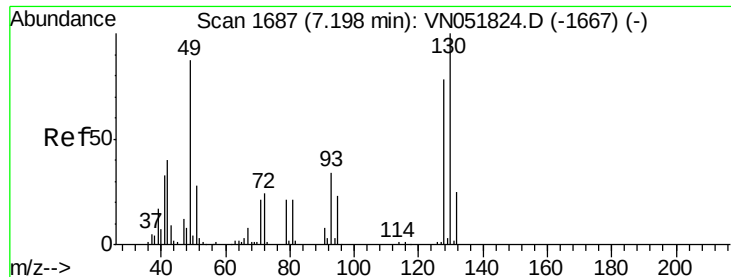
Instrument :
MSVOA_N
ClientSampleId :
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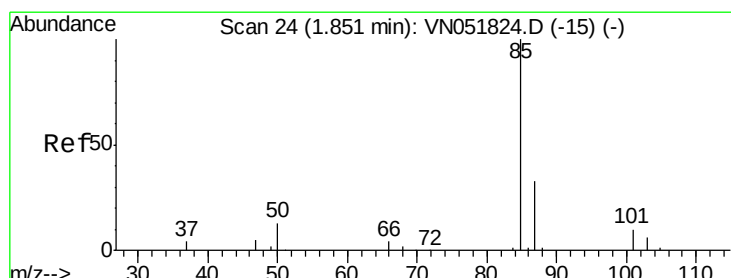
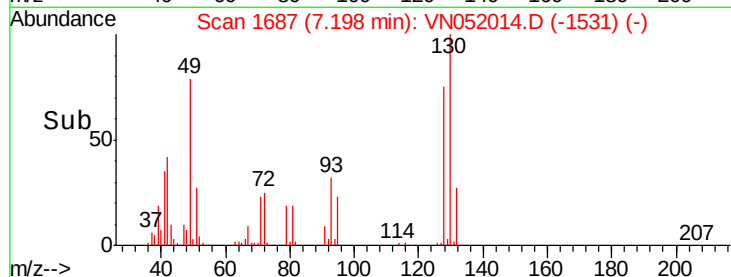
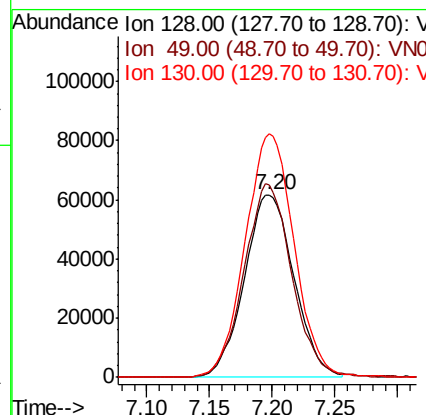
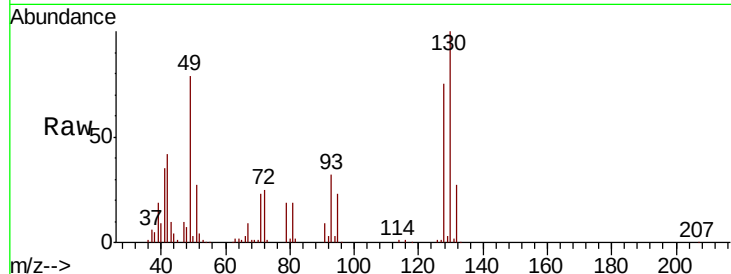
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
49	102.7	0.0	403.3
130	132.0	0.0	326.0

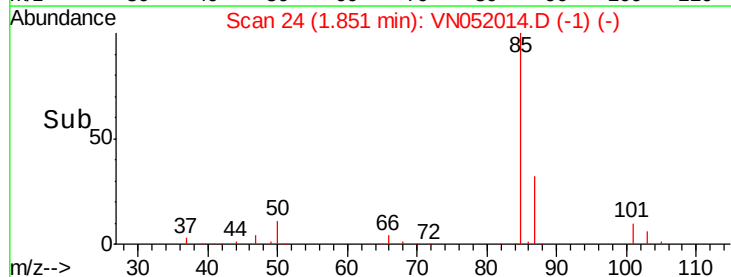
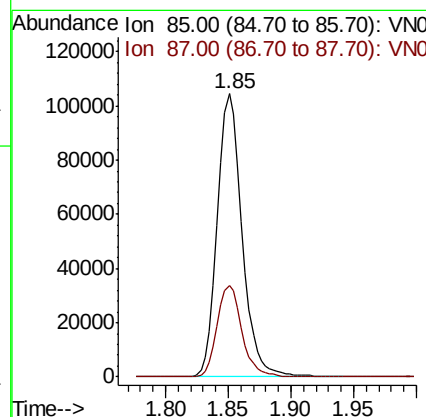
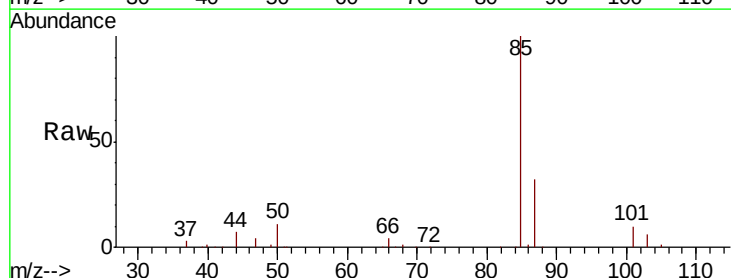
Manual Integrations
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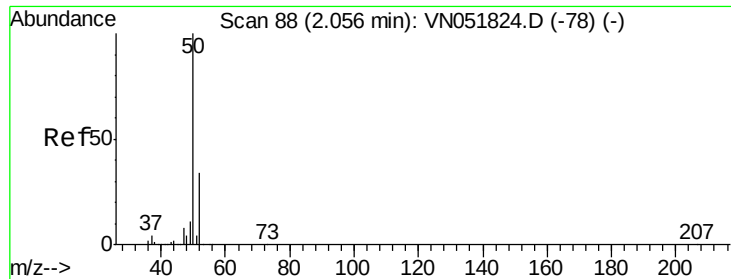
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#2
Dichlorodifluoromethane
Concen: 21.825 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.3	48.8





#3

Chloromethane

Concen: 18.442 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion: 50 Resp: 128254

Ion Ratio Lower Upper

50 100

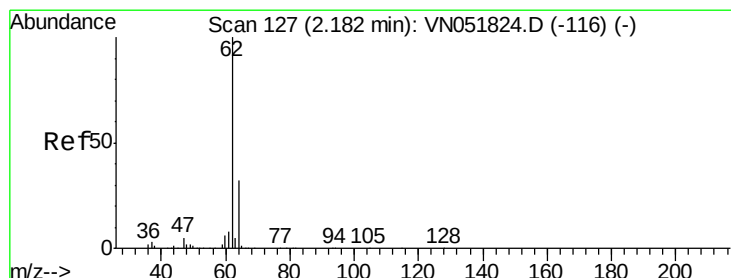
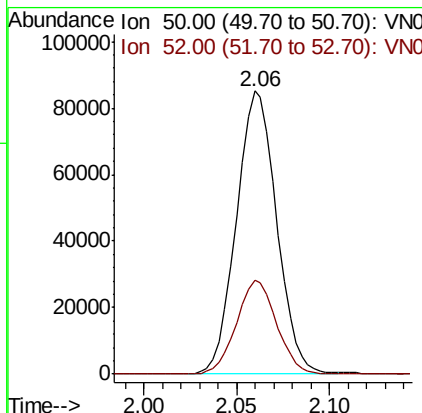
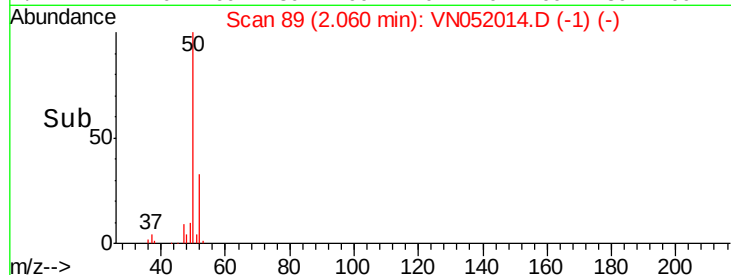
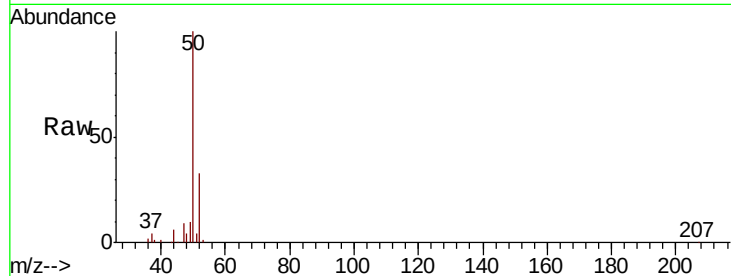
52 33.1 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.436 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.01 min

Lab File: VN052014.D

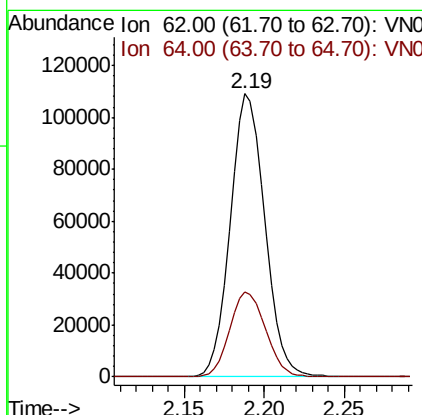
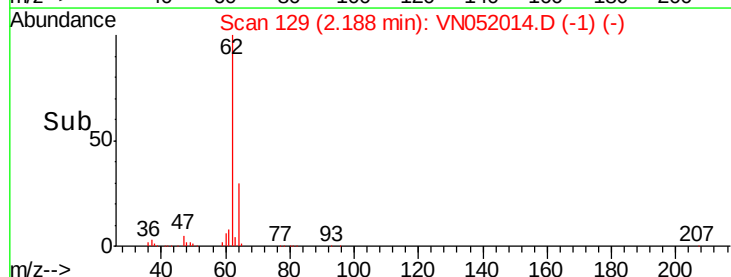
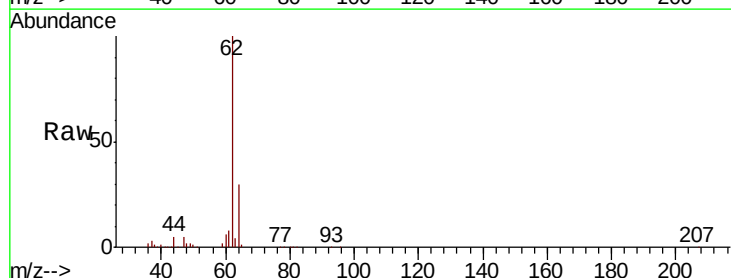
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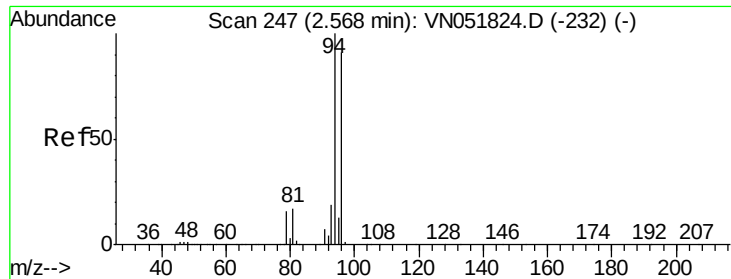
Tgt Ion: 62 Resp: 160309

Ion Ratio Lower Upper

62 100

64 30.1 25.4 38.2





#5

Bromomethane

Concen: 18.006 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion: 94 Resp: 165225

Ion Ratio Lower Upper

94 100

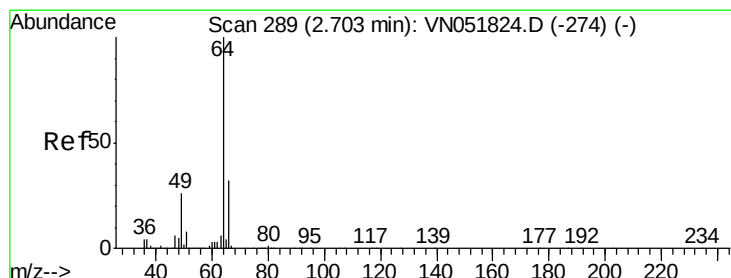
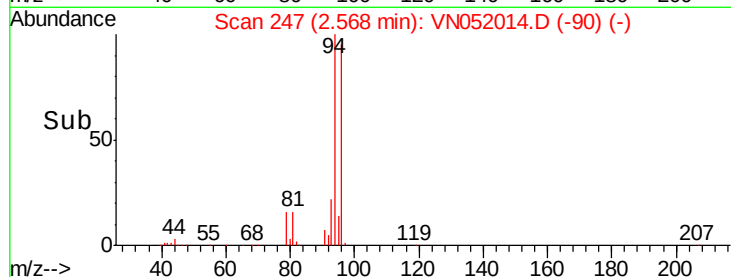
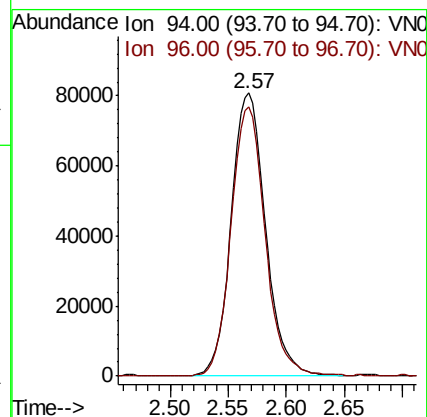
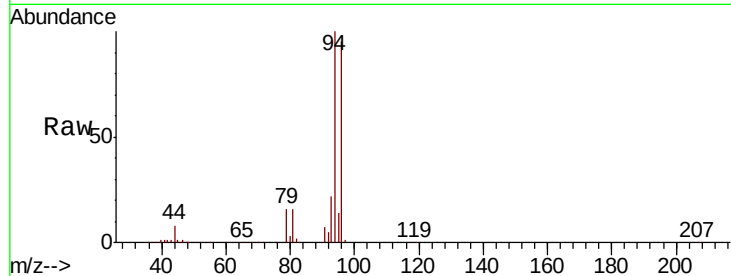
96 95.4 66.4 99.6

Manual Integrations

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#6

Chloroethane

Concen: 16.260 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN052014.D

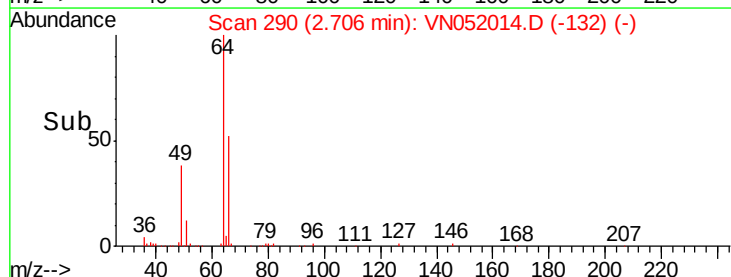
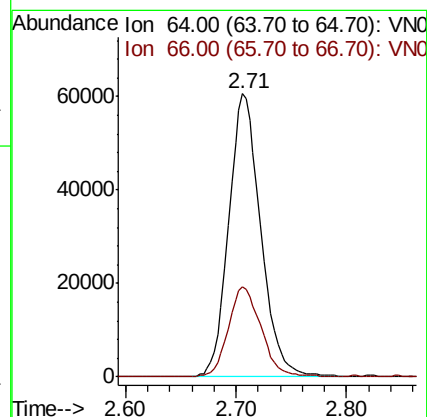
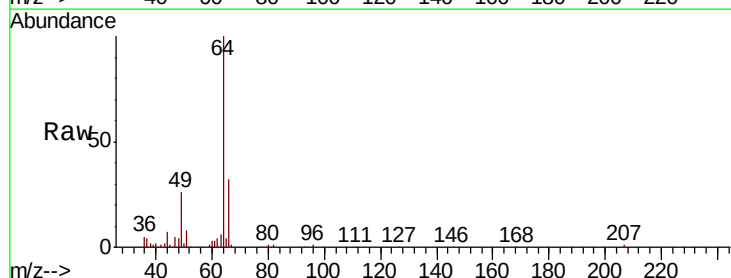
Acq: 25 Oct 2018 16:57

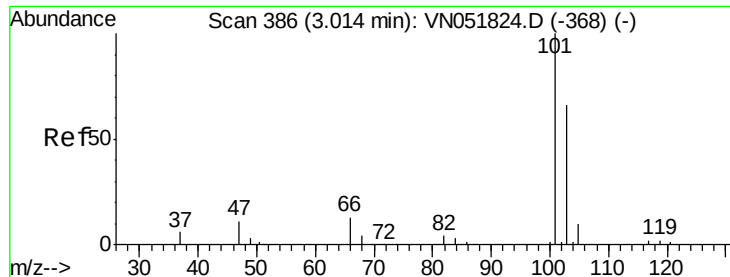
Tgt Ion: 64 Resp: 121695

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6





#7

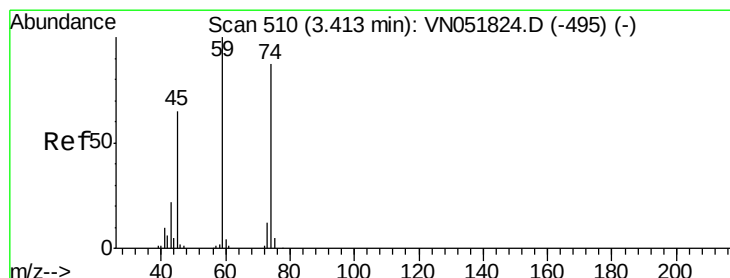
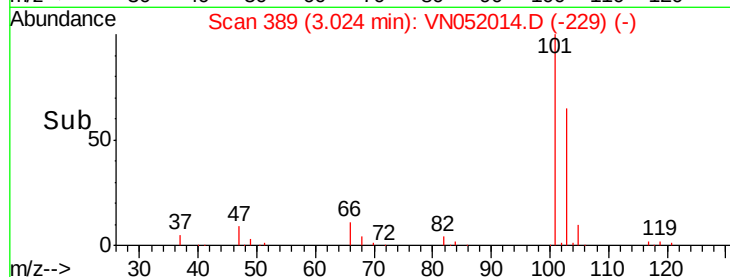
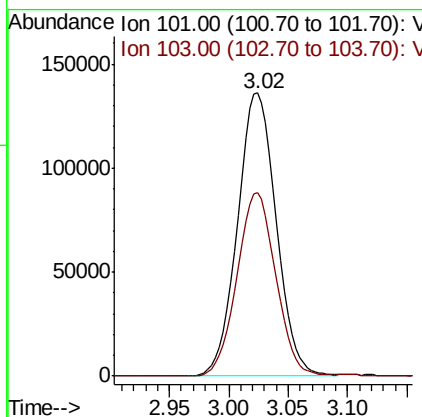
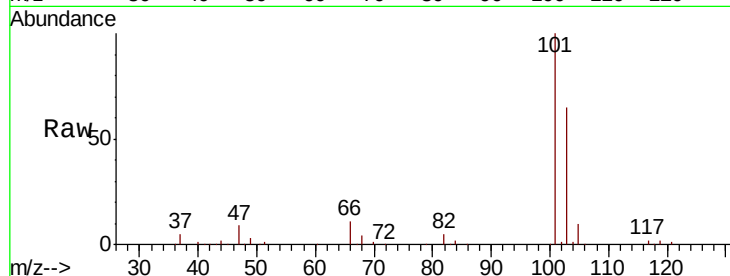
Trichlorofluoromethane
Concen: 20.757 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
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ClientSampleId :
VN1025WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		307341		
103	65.1	54.8	82.2		

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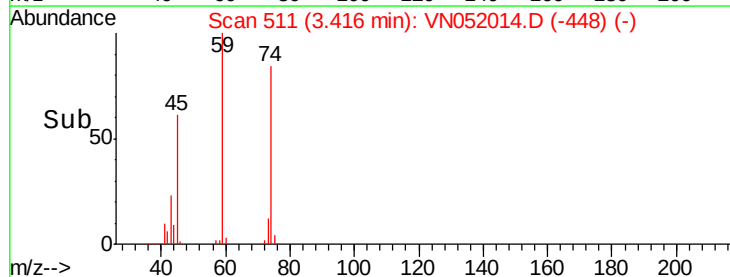
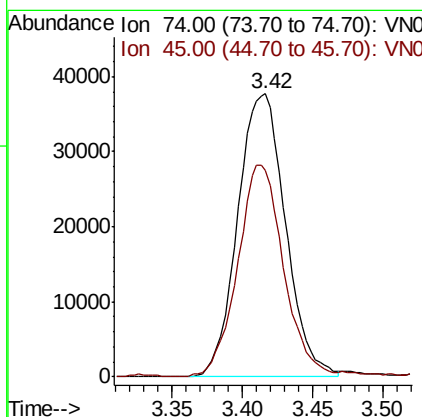
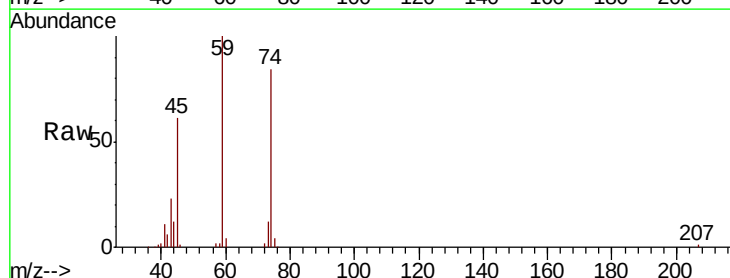
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10/26/2018 9:19:59 AM

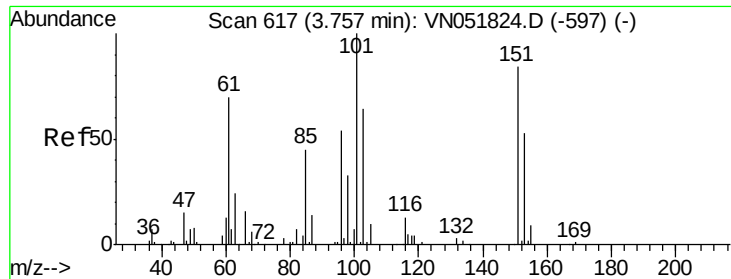


#8

Diethyl Ether
Concen: 20.721 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		89312		
45	72.0	20.7	186.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.712 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

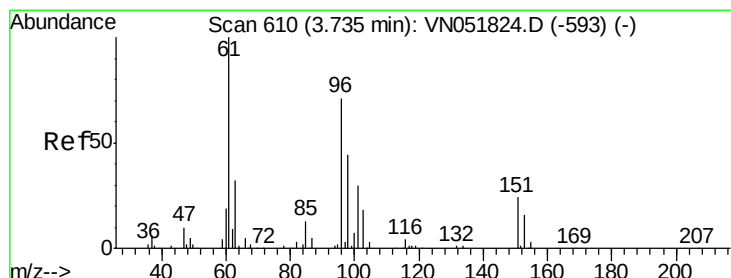
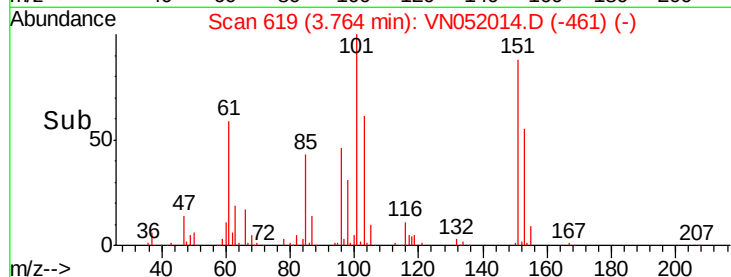
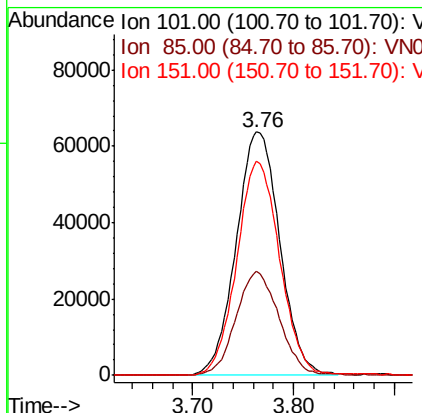
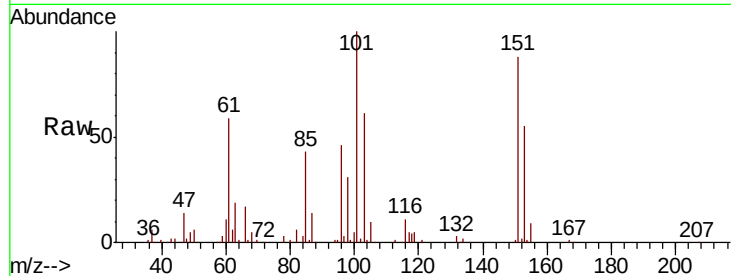
ClientSampleId :

VN1025WBS02

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.0	0.0	46.0
151	86.6	0.0	82.2#

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 21.588 ug/l

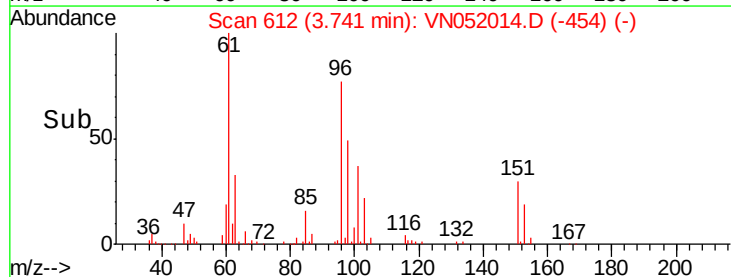
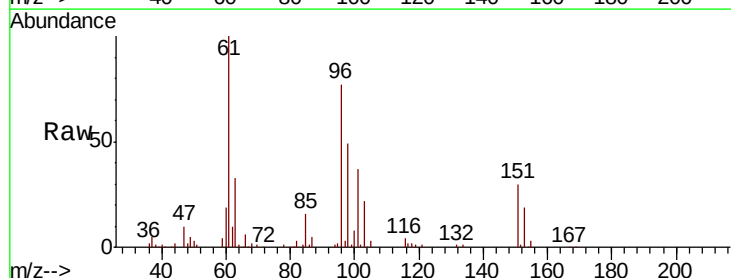
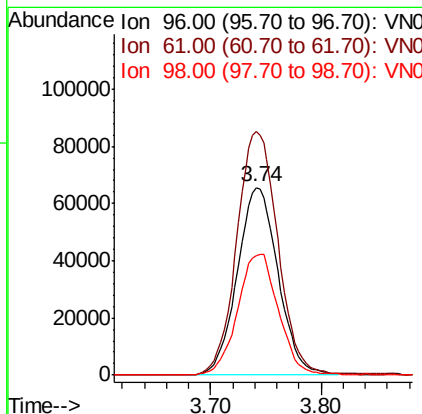
RT: 3.74 min Scan# 612

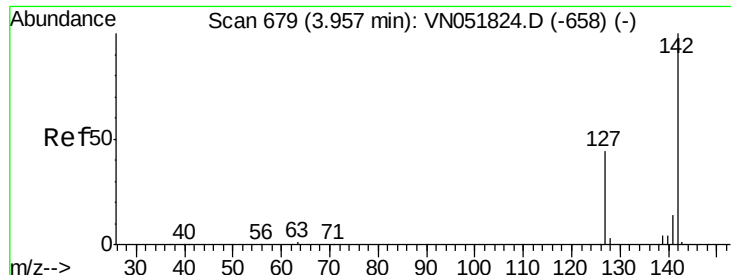
Delta R.T. 0.01 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	129.8	133.0	199.6#
98	63.6	52.6	78.8





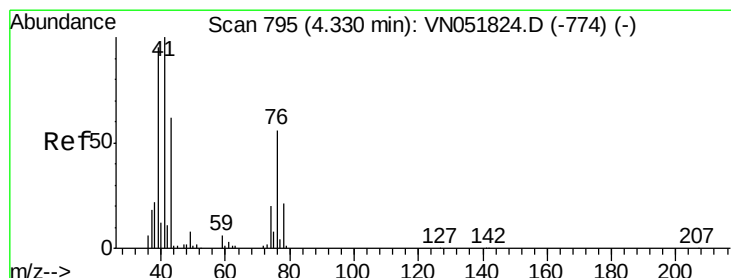
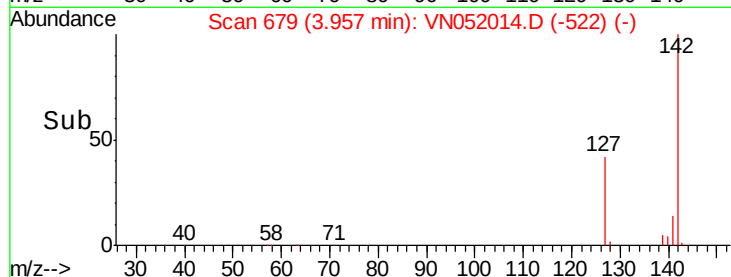
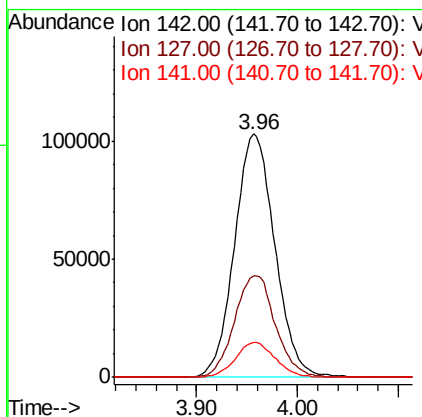
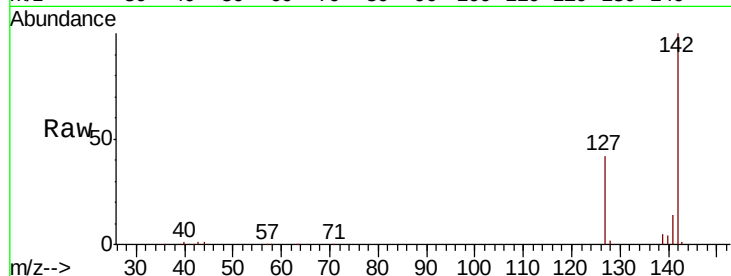
#11
Methvl Iodide
Concen: 25.173 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.5	19.7	59.0
141	14.2	6.3	18.9

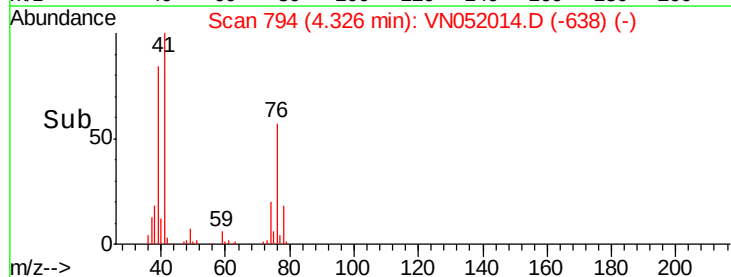
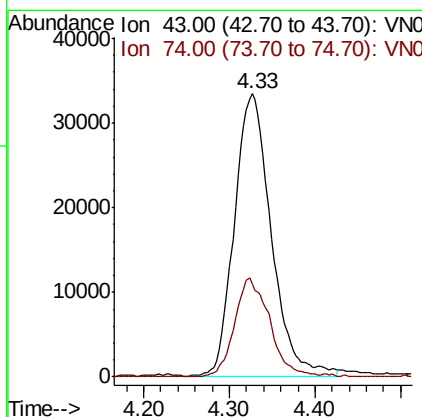
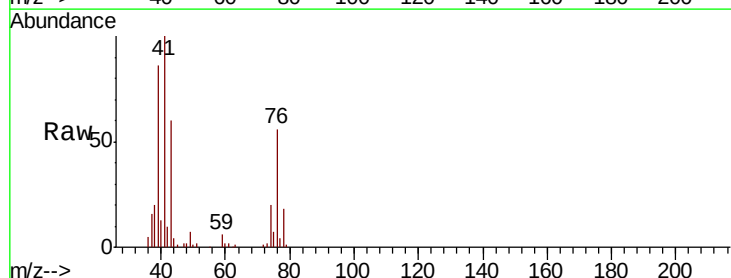
Manual Integrations
APPROVED

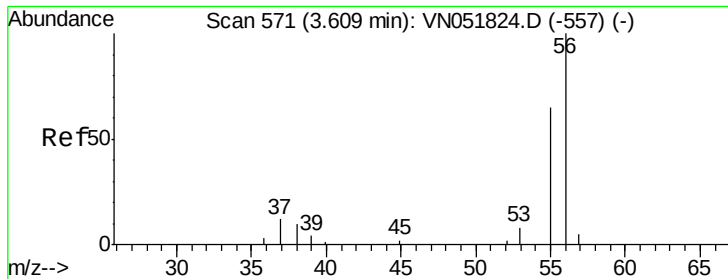
MMDadoda
10/26/2018 9:19:59 AM



#12
Methyl Acetate
Concen: 20.806 ug/l m
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.7	21.8	32.6#





#13

Acrolein

Concen: 40.779 ug/l m

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion: 56 Resp: 13010

Ion Ratio Lower Upper

56 100

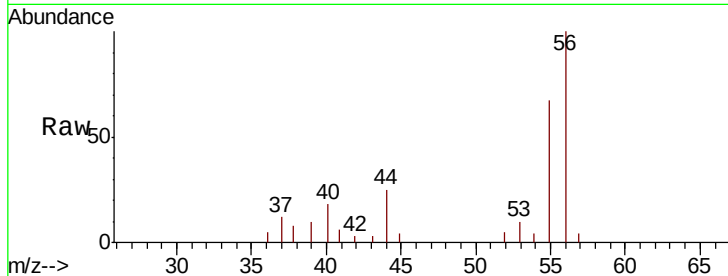
55 1.6 64.0 96.0#

Manual Integrations

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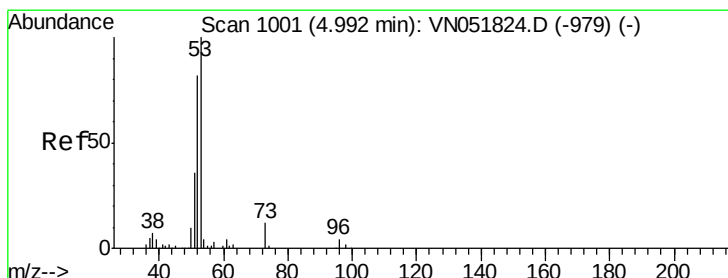
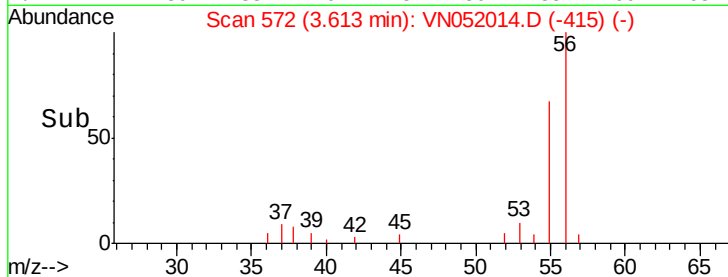
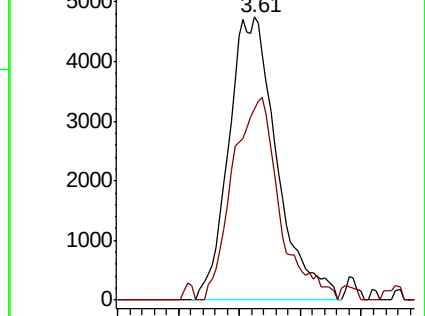
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.167 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

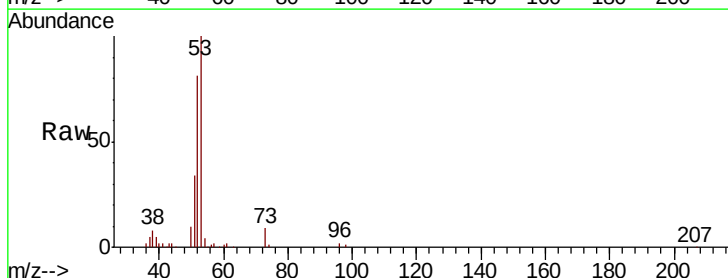
Tgt Ion: 53 Resp: 214617

Ion Ratio Lower Upper

53 100

52 81.4 18.3 54.8#

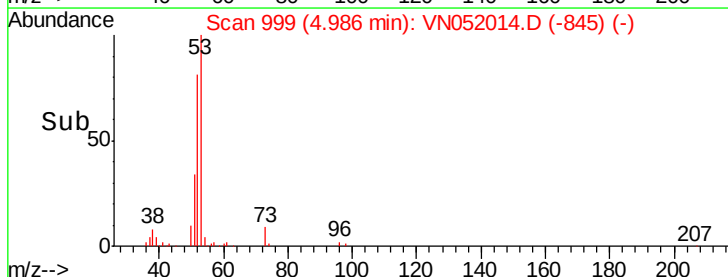
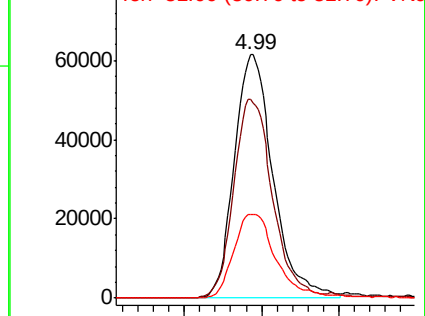
51 37.4 19.7 59.1

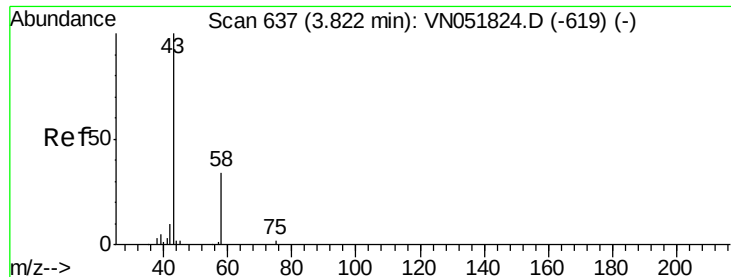


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 86.821 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion: 58 Resp: 46449

Ion Ratio Lower Upper

58 100

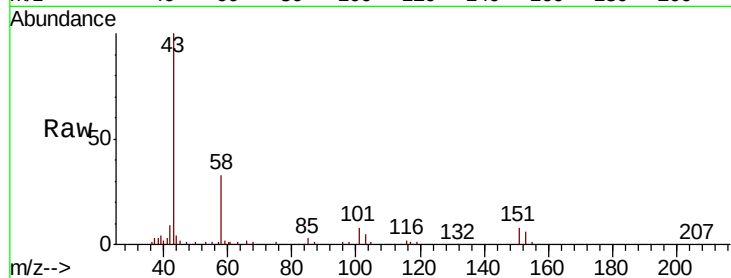
43 293.3 232.2 348.2

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-619) (-)

60000

50000

40000

30000

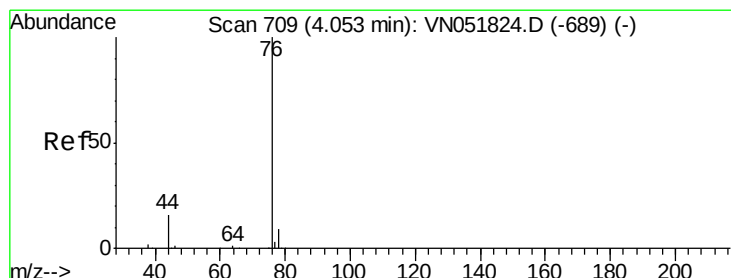
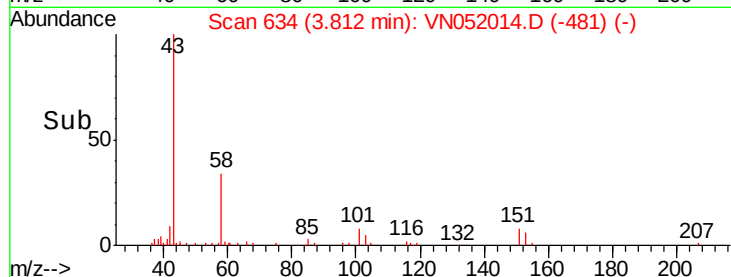
20000

10000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 17.546 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052014.D

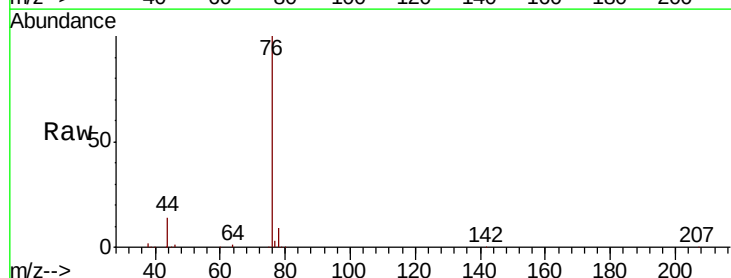
Acq: 25 Oct 2018 16:57

Tgt Ion: 76 Resp: 359328

Ion Ratio Lower Upper

76 100

78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-689) (-)

150000

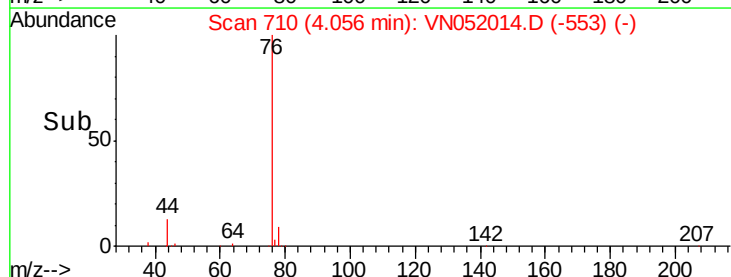
100000

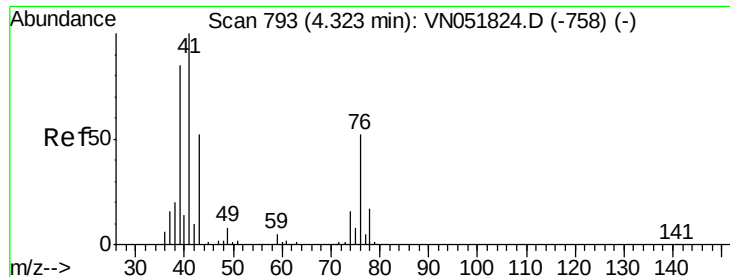
50000

0

4.00 4.10

Time-->





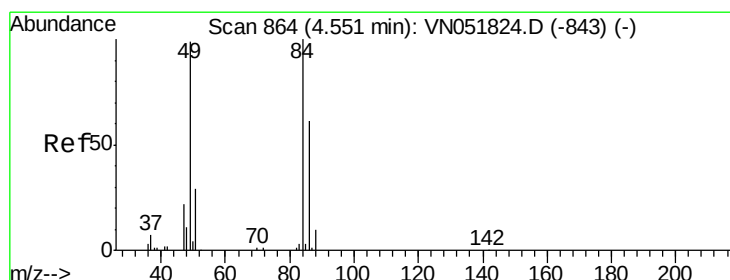
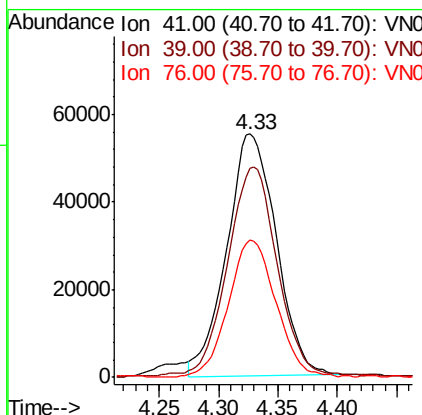
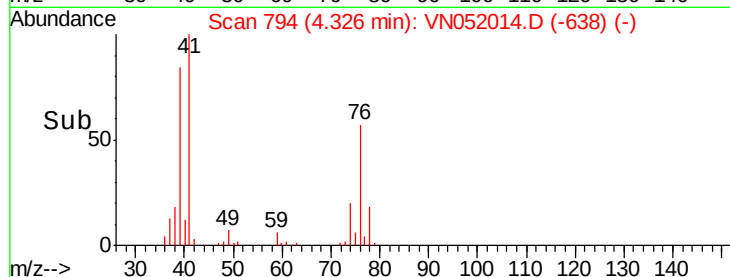
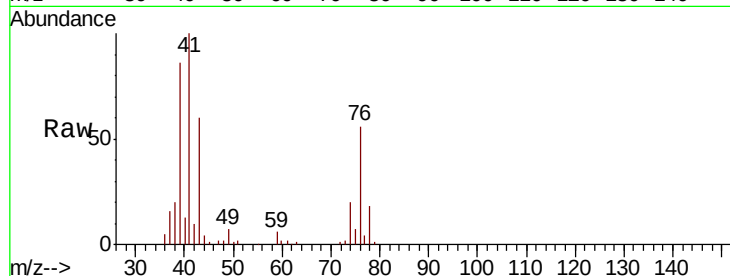
#17
Allvl chloride
Concen: 17.187 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion:	41	Resp:	159115
Ion	Ratio	Lower	Upper
41	100		
39	85.1	32.6	97.8
76	56.5	20.2	60.5

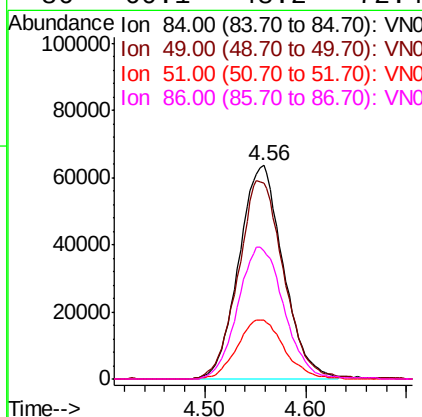
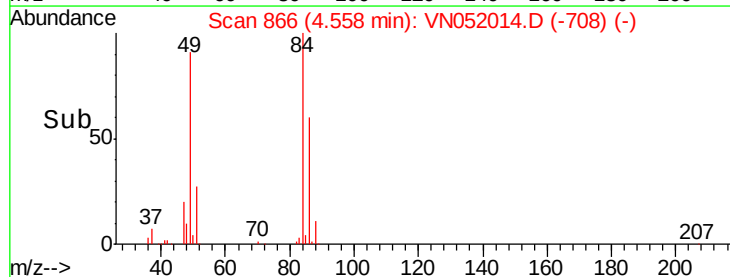
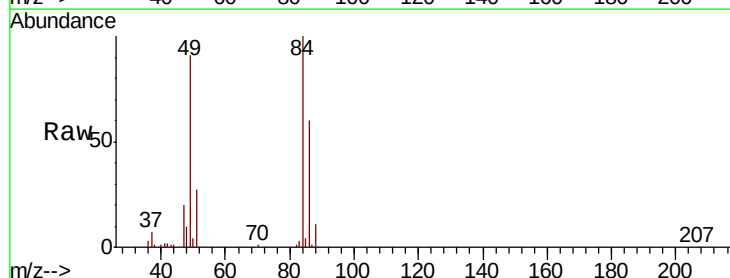
Manual Integrations
APPROVED

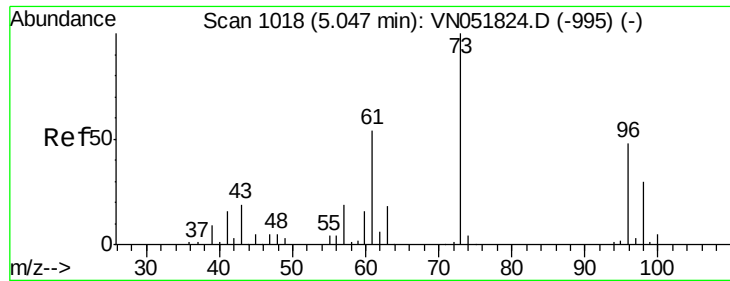
MMDadoda
10/26/2018 9:19:59 AM



#18
Methylene Chloride
Concen: 22.224 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion:	84	Resp:	193768
Ion	Ratio	Lower	Upper
84	100		
49	91.4	91.6	137.4#
51	27.3	29.8	44.6#
86	60.1	48.2	72.4





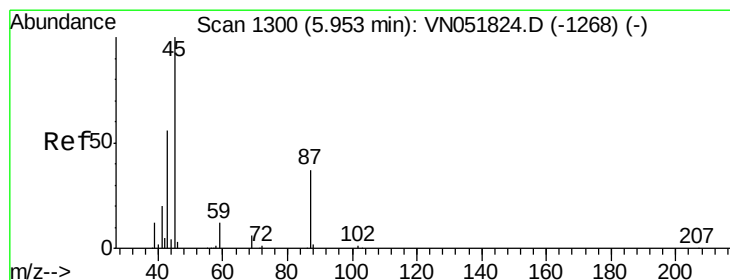
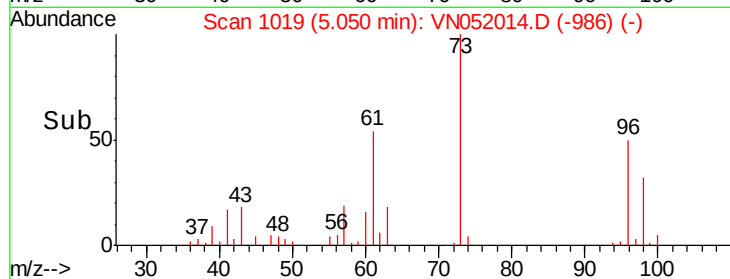
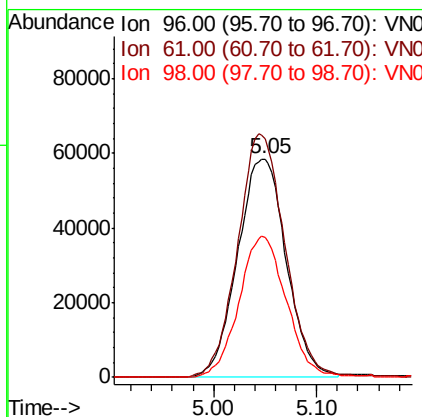
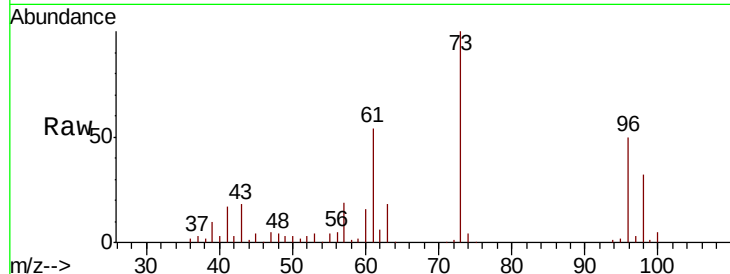
#19
trans-1,2-Dichloroethene
Concen: 21.585 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	108.9	112.3	168.5#
98	64.1	47.1	70.7

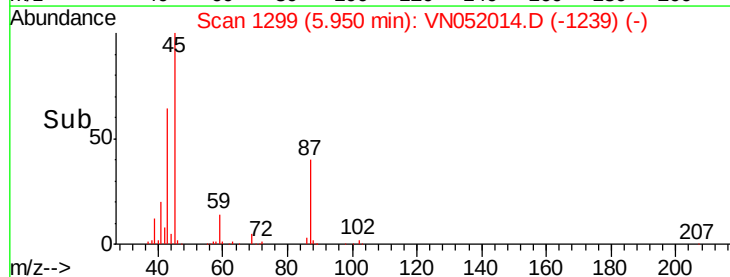
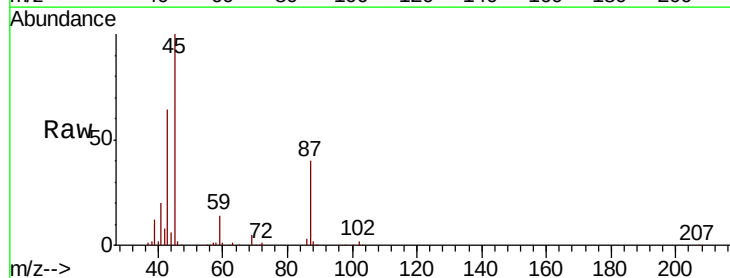
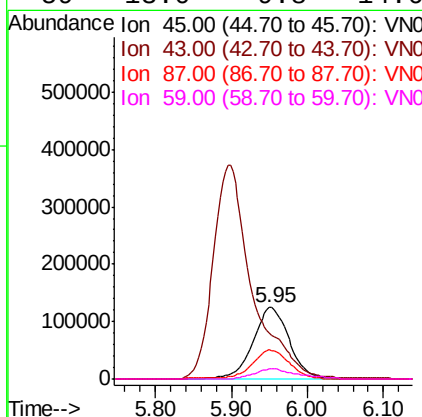
Manual Integrations
APPROVED

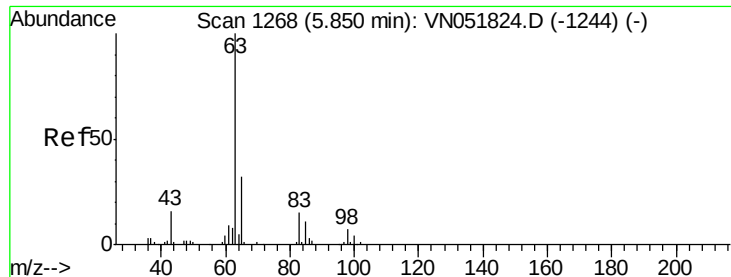
MMDadoda
10/26/2018 9:19:59 AM



#20
Diisopropyl ether
Concen: 20.033 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	62.1	93.1#
87	40.2	19.9	29.9#
59	13.0	9.8	14.6





#21

1,1-Dichloroethane

Concen: 20.688 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

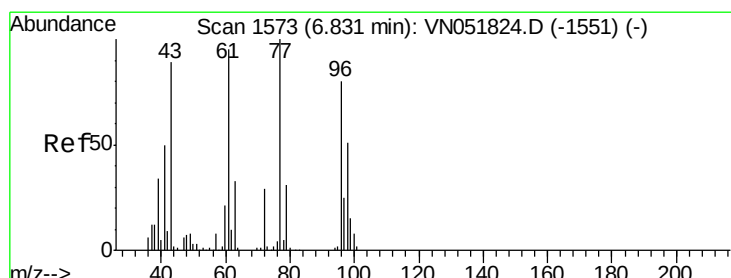
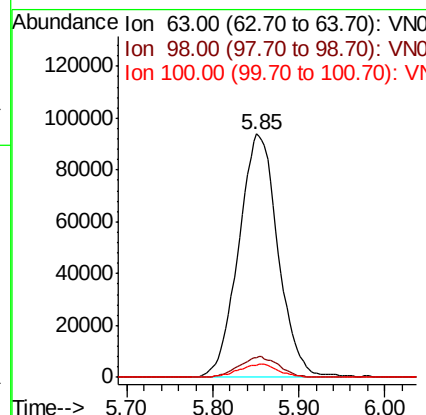
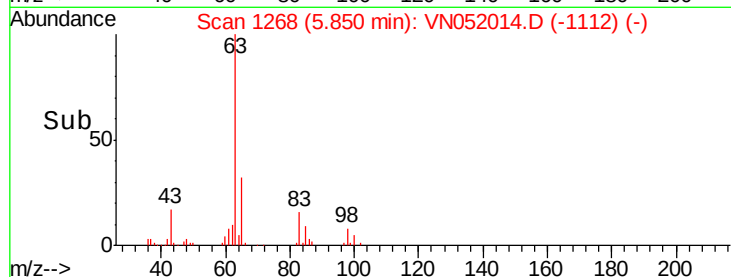
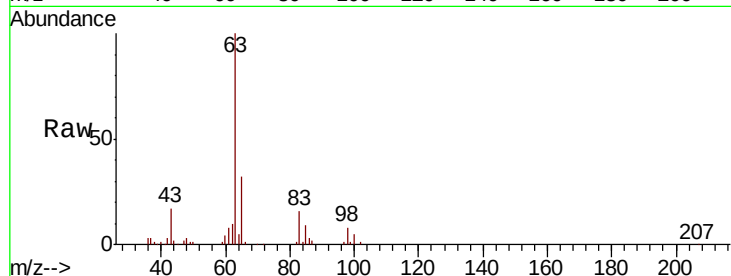
ClientSampleId :

VN1025WBS02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	298056		
98	8.2	4.1	12.3	
100	5.1	1.6	4.7	

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 21.866 ug/l

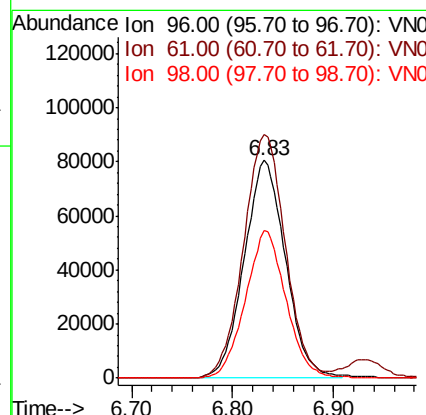
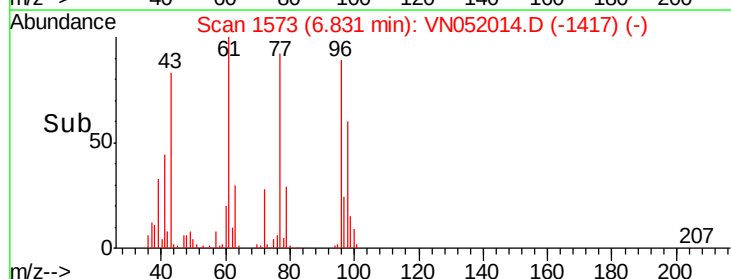
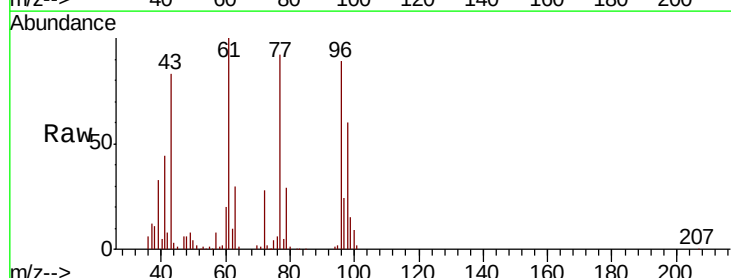
RT: 6.83 min Scan# 1573

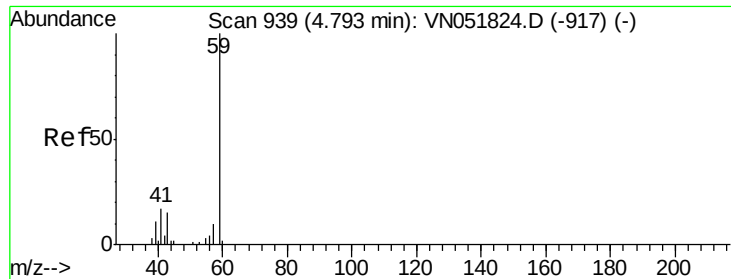
Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	228690		
61	113.3	124.5	186.7	
98	66.4	51.9	77.9	





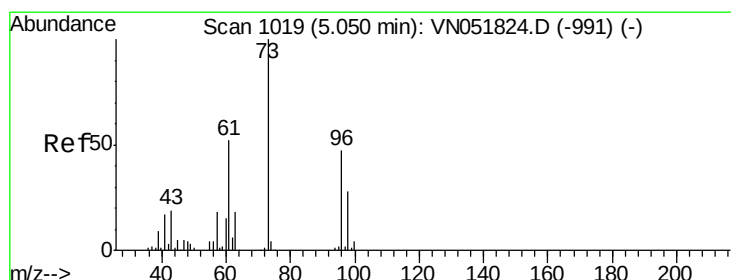
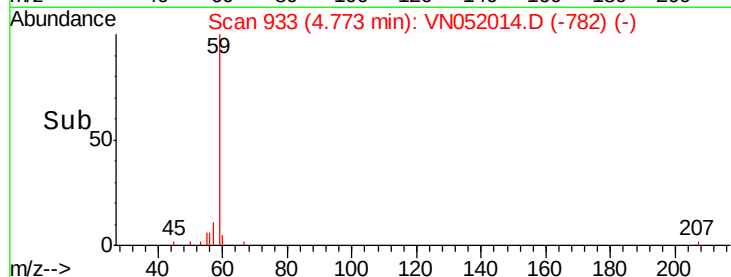
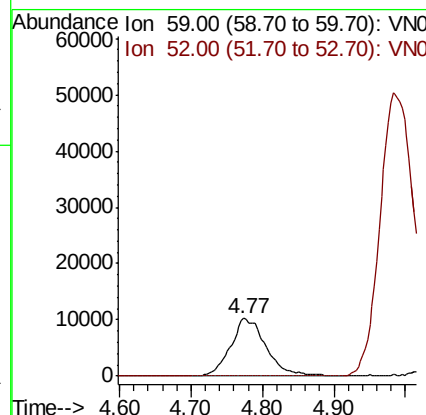
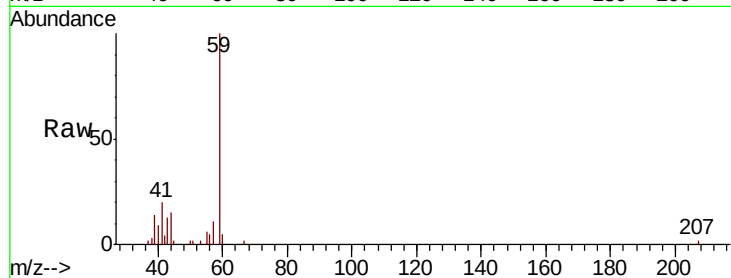
#23
tert-Butyl Alcohol
Concen: 62.275 ug/l m
RT: 4.77 min Scan# 933
Delta R.T. -0.02 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion: 59 Resp: 35496
Ion Ratio Lower Upper
59 100
52 0.7 0.0 0.0#

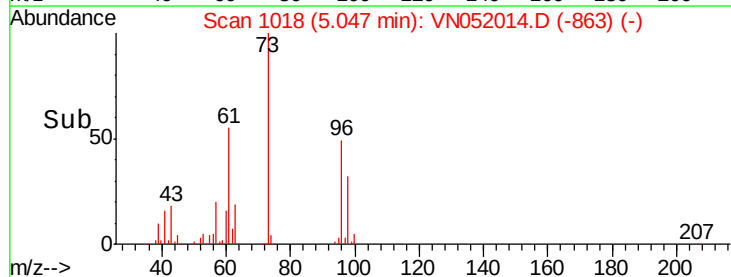
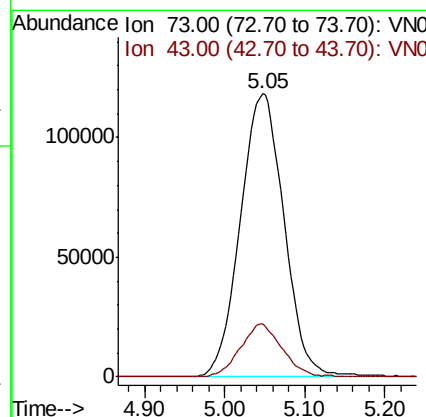
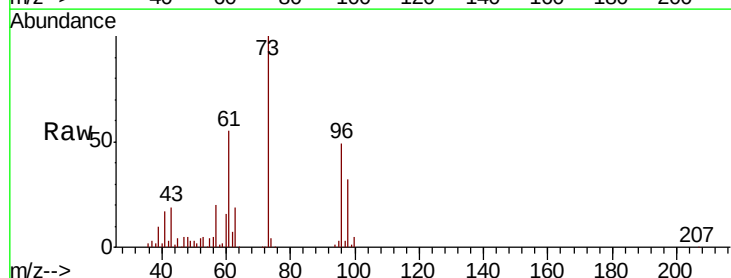
Manual Integrations
APPROVED

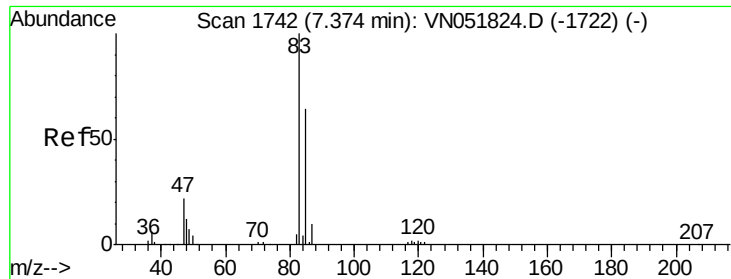
MMDadoda
10/26/2018 9:19:59 AM



#24
Methyl tert-Butyl Ether
Concen: 19.524 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 73 Resp: 438640
Ion Ratio Lower Upper
73 100
43 17.4 5.4 8.0#





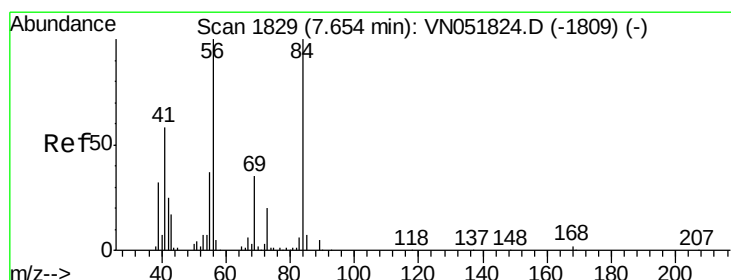
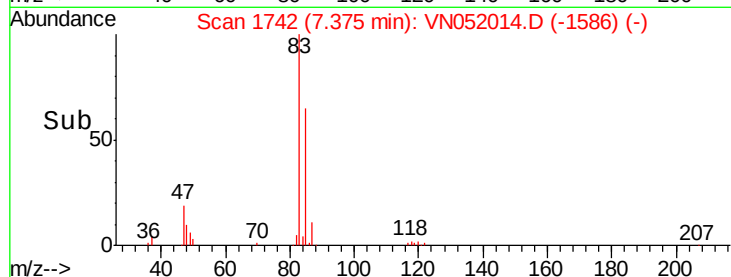
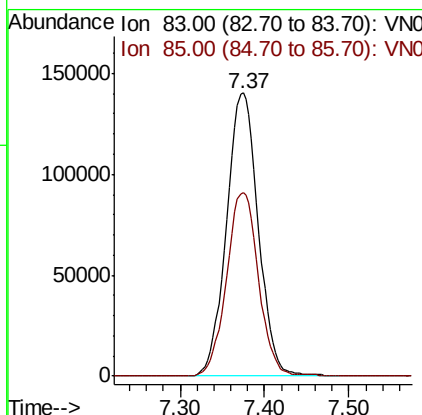
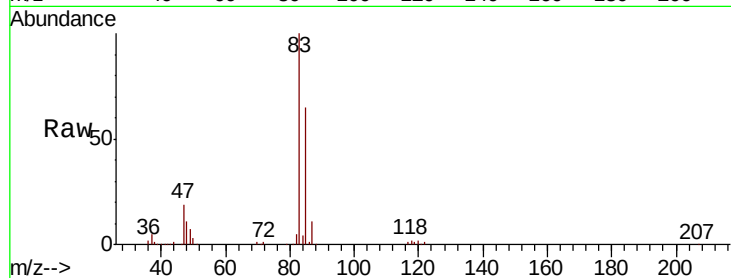
#25
Chloroform
Concen: 21.500 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	83	Resp	367476
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	54.6	82.0

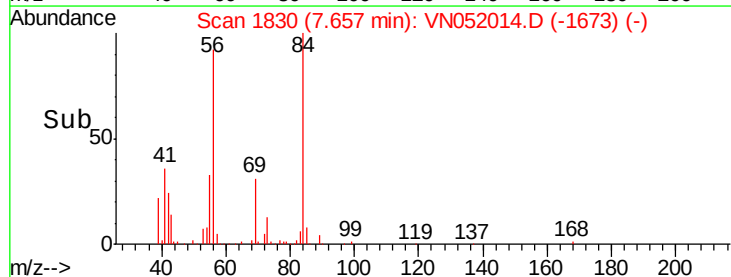
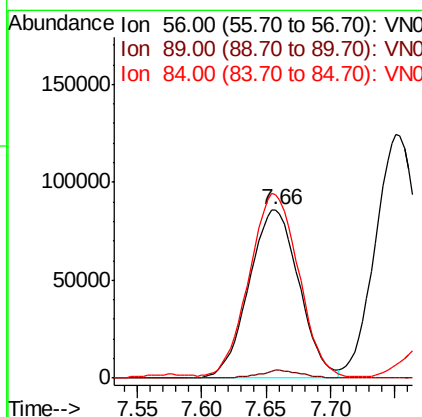
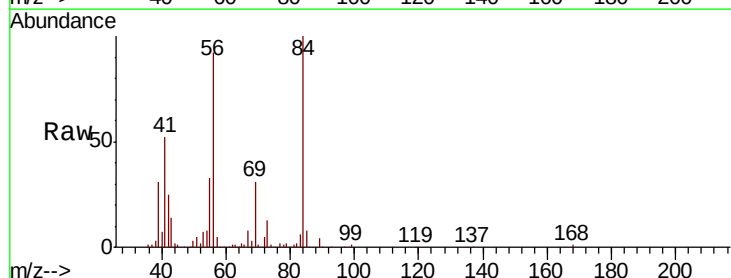
Manual Integrations
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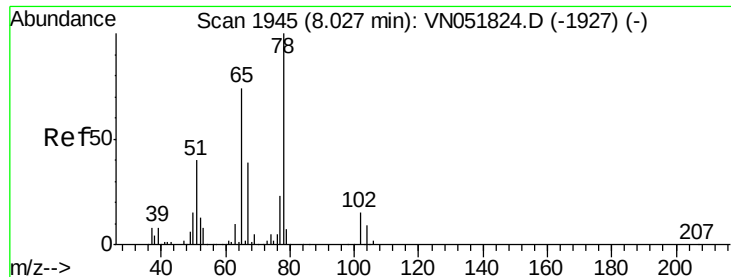
MMDadoda
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#26
Cyclohexane
Concen: 19.025 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	56	Resp	232374
Ion Ratio	100	Lower	Upper
56	100		
89	3.8	1.5	2.3#
84	109.3	64.2	96.4#





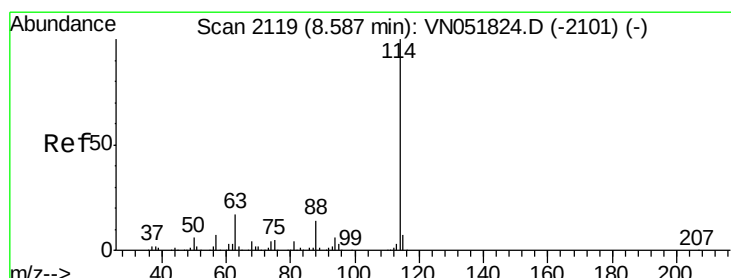
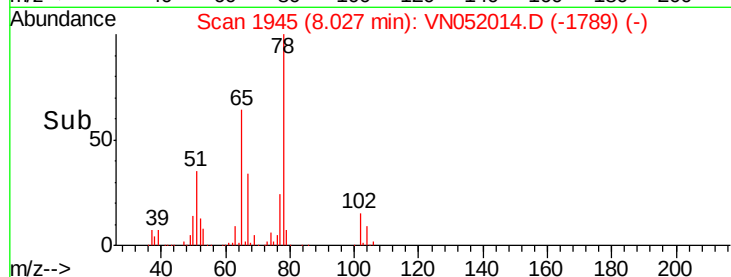
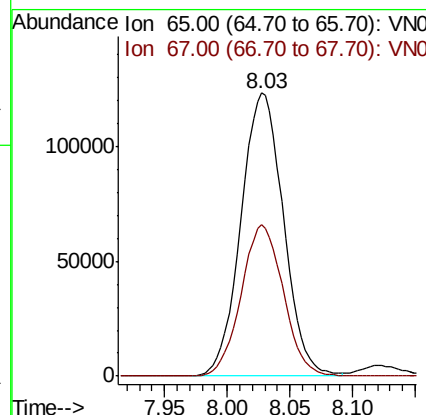
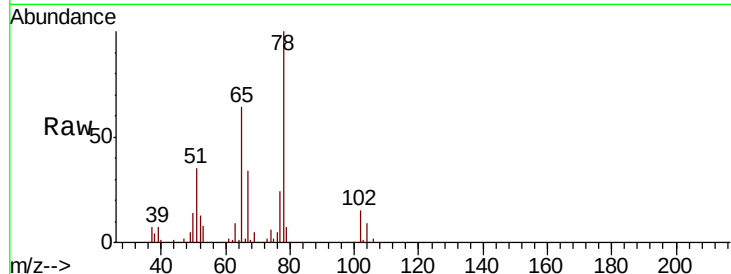
#27
 1,2-Dichloroethane-d4
 Concen: 19.025 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	41.8	62.8

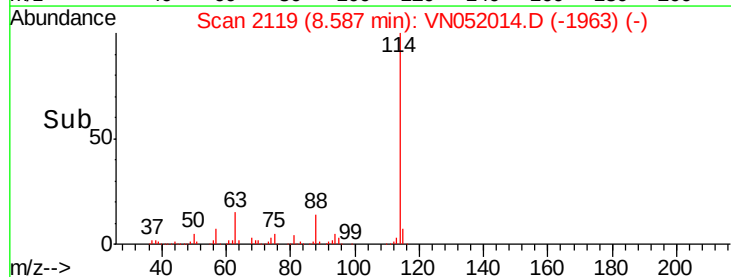
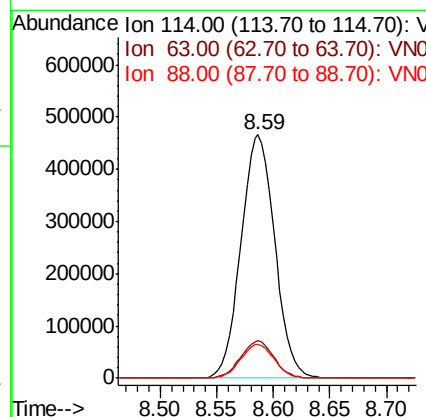
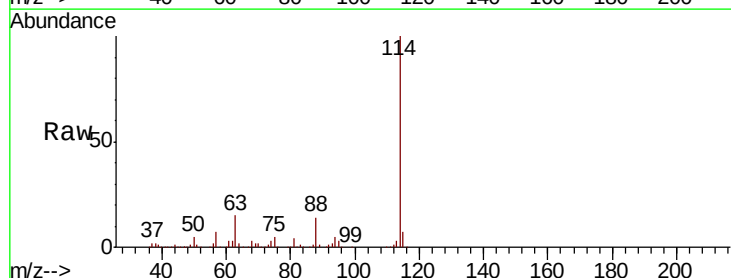
Manual Integrations
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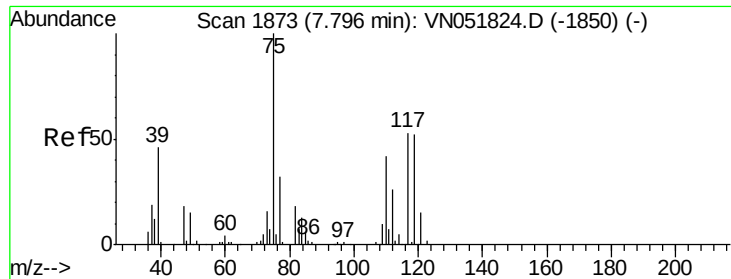
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	15.3	16.2	24.2#
88	13.9	12.2	18.4





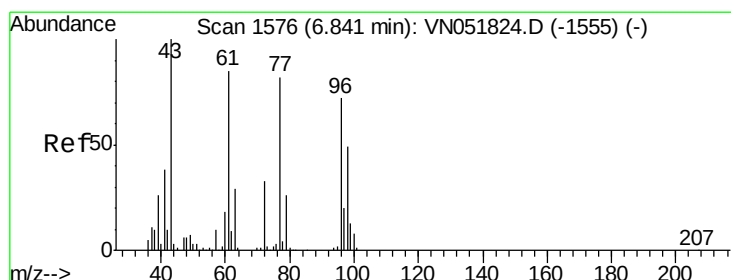
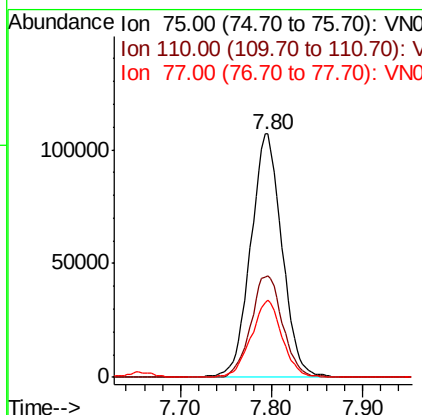
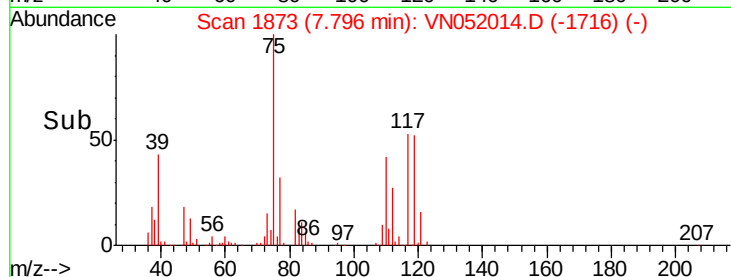
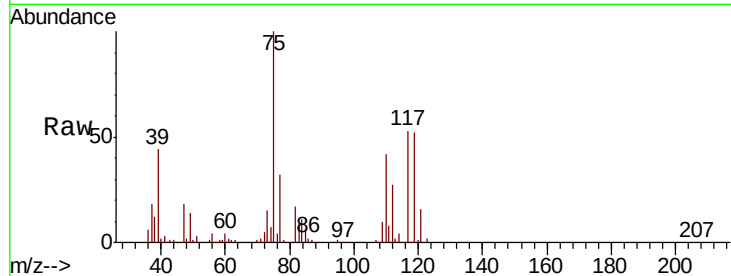
#29
 1,1-Dichloropropene
 Concen: 20.464 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	42.1	0.0	70.8
77	31.4	0.0	61.6

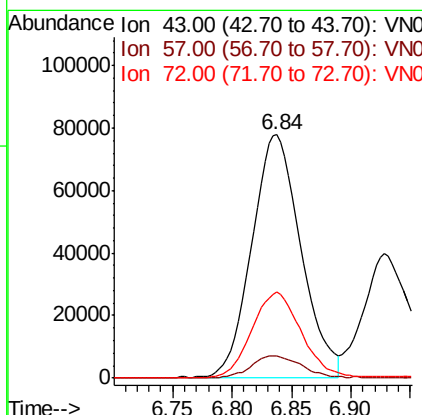
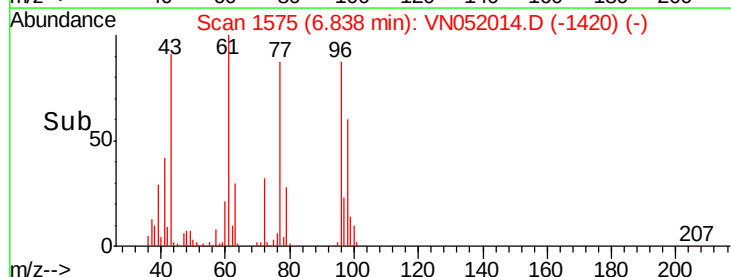
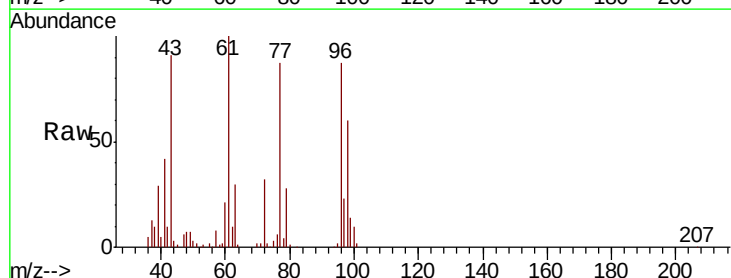
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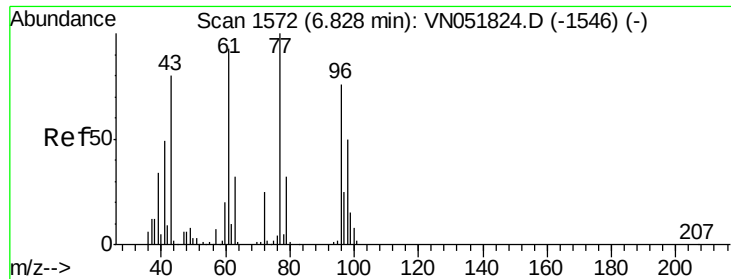
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#30
 2-Butanone
 Concen: 84.862 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.5	4.5	6.7#
72	35.9	21.5	32.3#





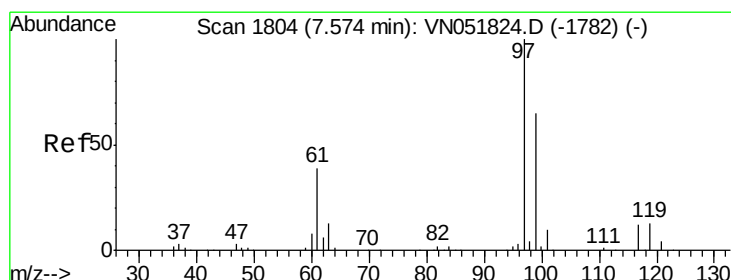
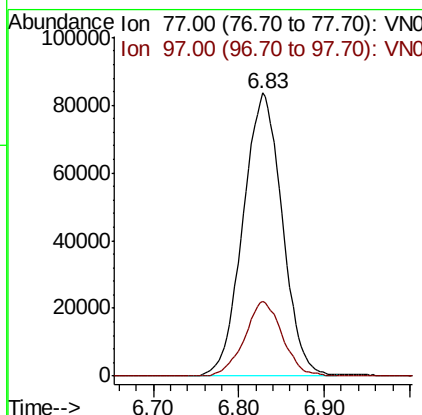
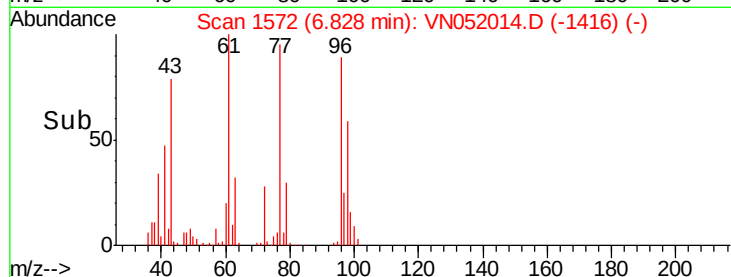
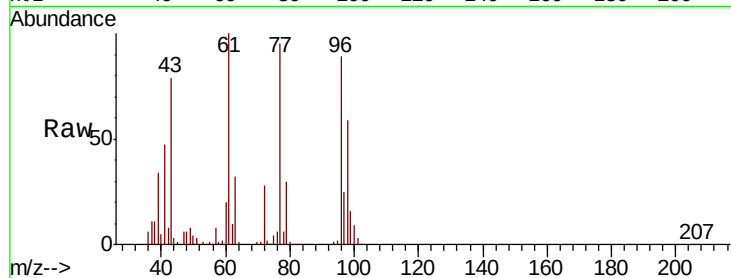
#31
 2,2-Dichloropropane
 Concen: 18.127 ug/l m
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Tot Ion	Ratio	Lower	Upper
77	100		
97	0.0	12.0	18.0#

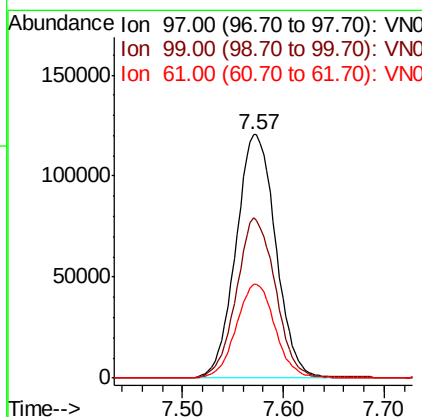
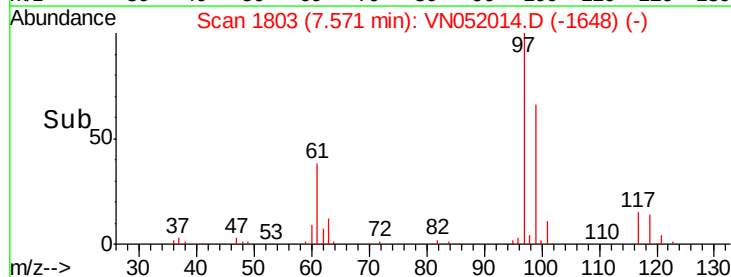
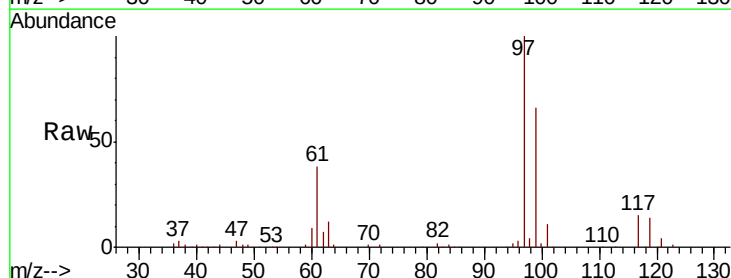
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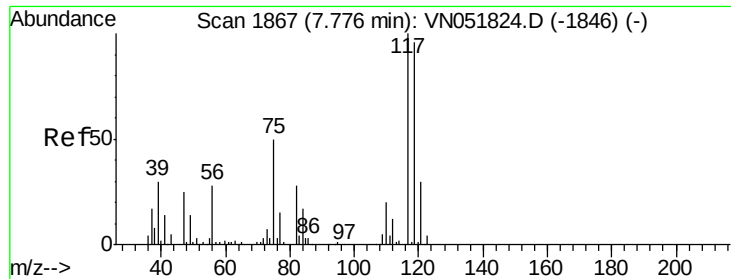
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#32
 1,1,1-Trichloroethane
 Concen: 19.873 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	37.7	37.4	56.0





#33

Carbon Tetrachloride

Concen: 19.823 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

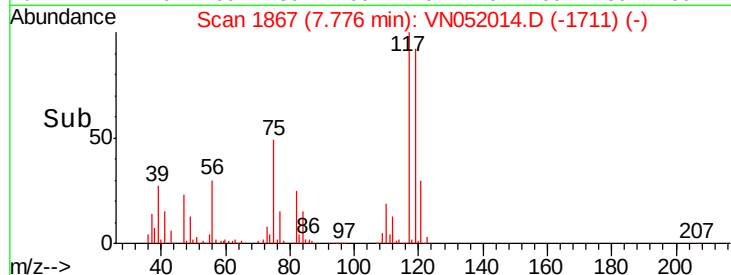
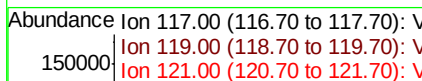
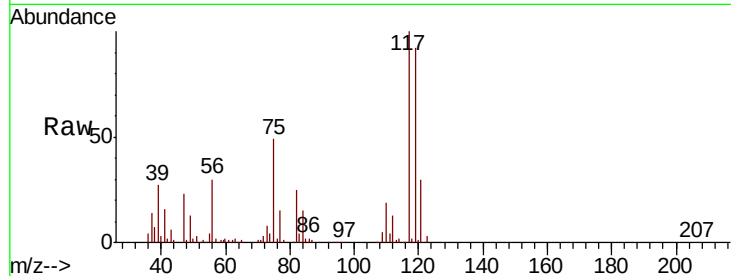
ClientSampleId :

VN1025WBS02

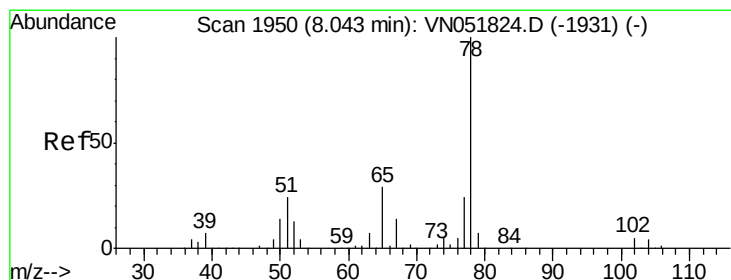
Tot Ion:	117	Resp:	296810
Ion Ratio	Lower	Upper	
117	100		
119	92.1	85.1	127.7
121	30.4	24.2	36.2

Manual Integrations
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Time-->



#34

Benzene

Concen: 21.085 ug/l

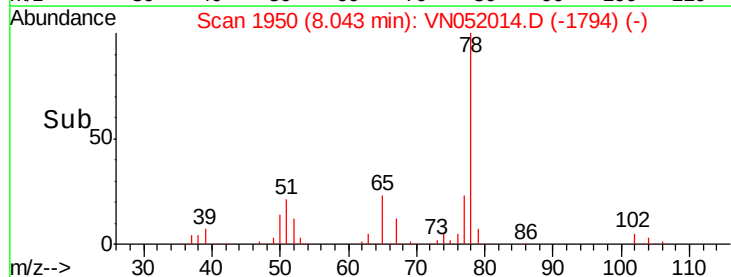
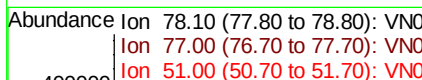
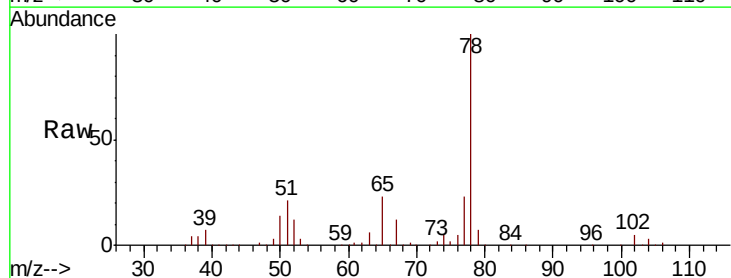
RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

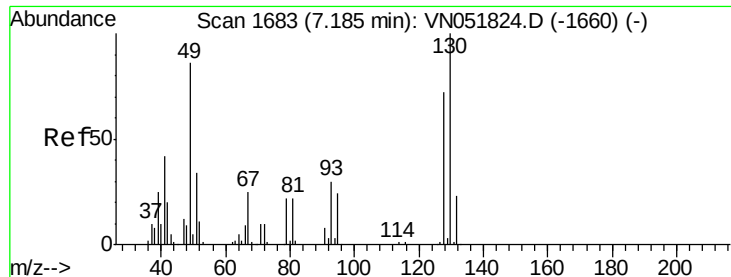
Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion:	78	Resp:	778547
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.8	28.2
51	21.0	46.2	69.4#



Time-->



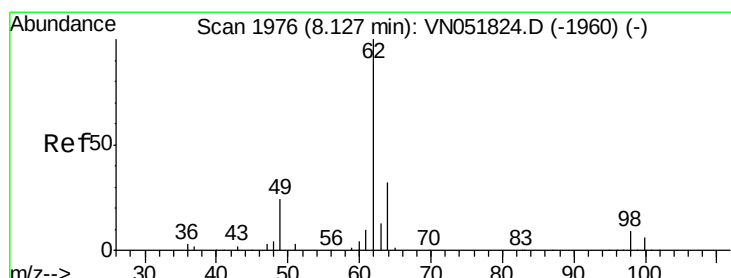
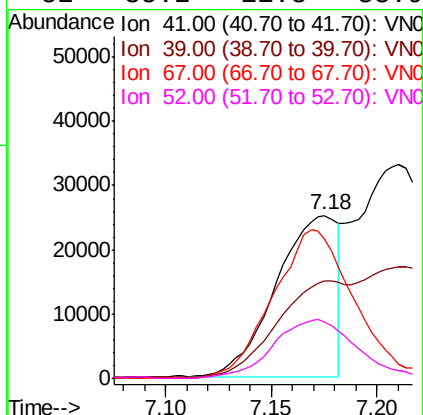
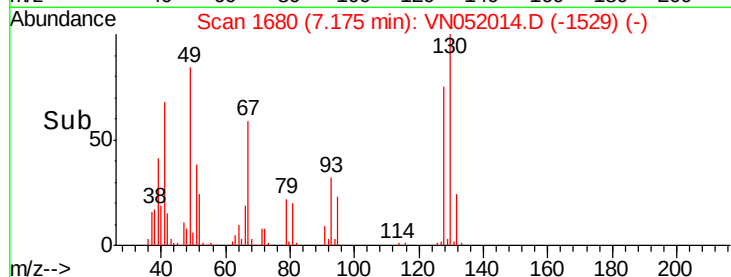
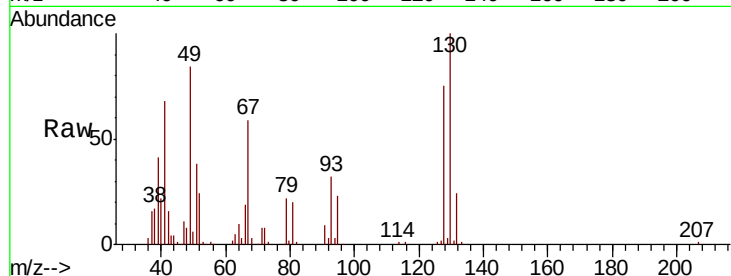
#35
Methacrylonitrile
Concen: 14.759 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	22.6	67.7
67	87.2	28.9	86.8#
52	35.2	11.3	33.9#

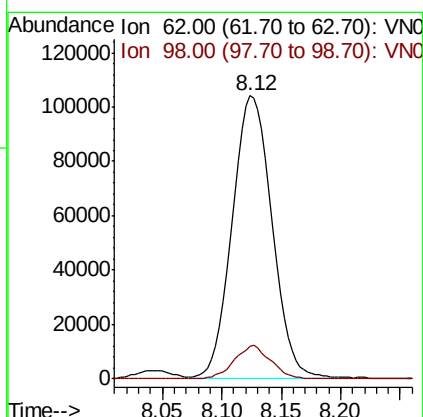
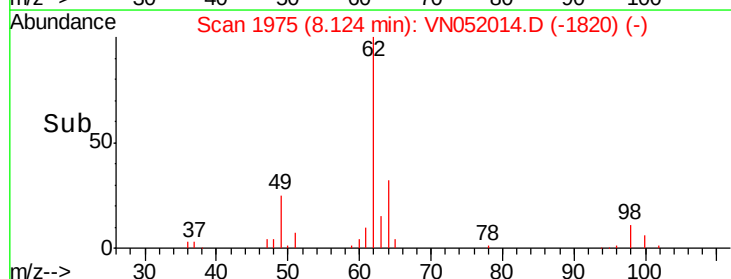
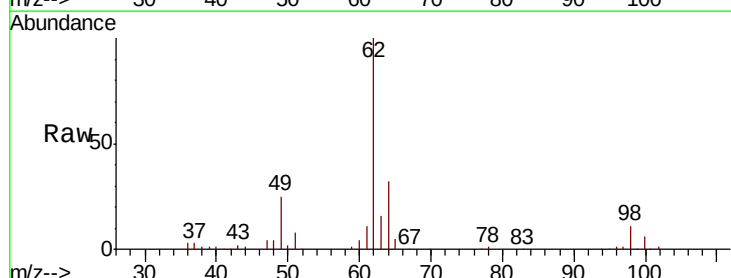
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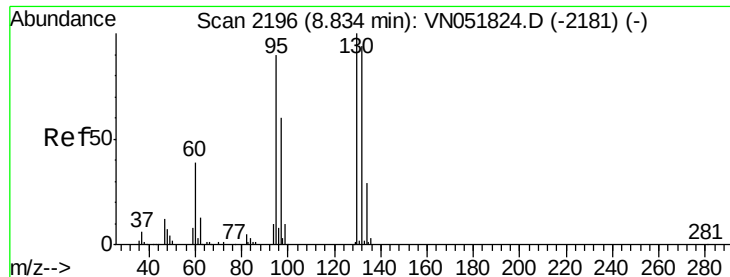
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#36
1,2-Dichloroethane
Concen: 20.559 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	6.9	10.3#





#37

Trichloroethene

Concen: 21.549 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion:130 Resp: 246999

Ion Ratio Lower Upper

130 100

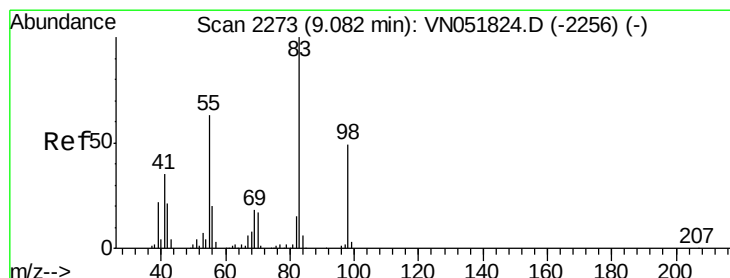
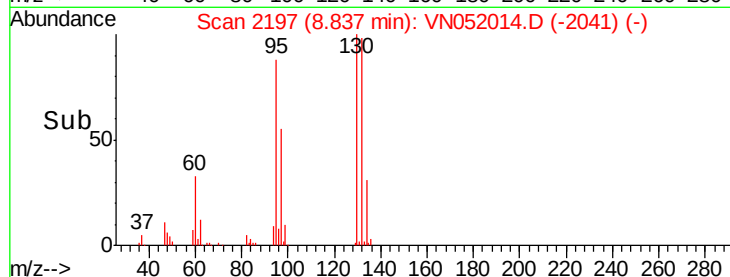
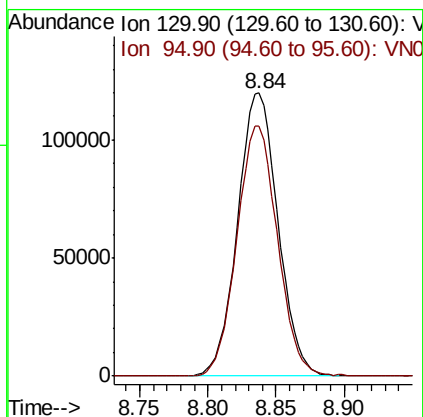
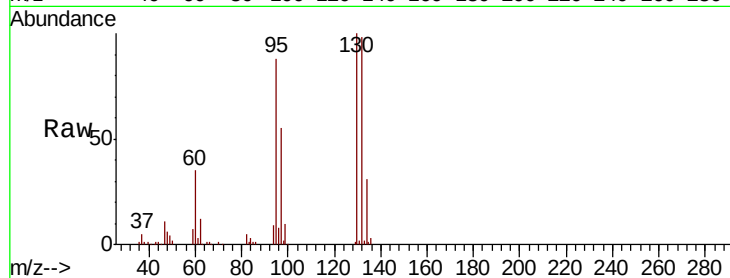
95 88.3 76.4 114.6

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#38

Methylcyclohexane

Concen: 18.895 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

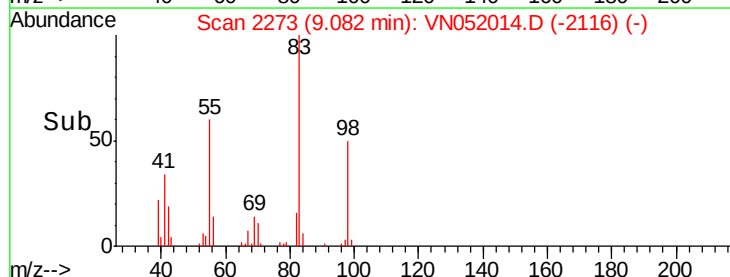
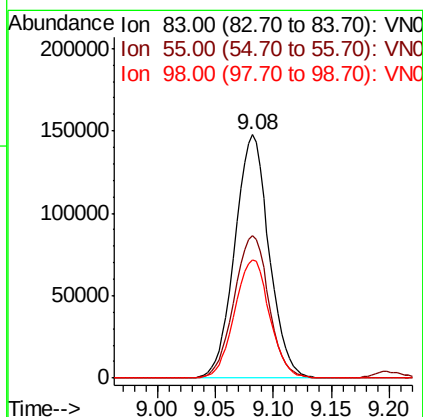
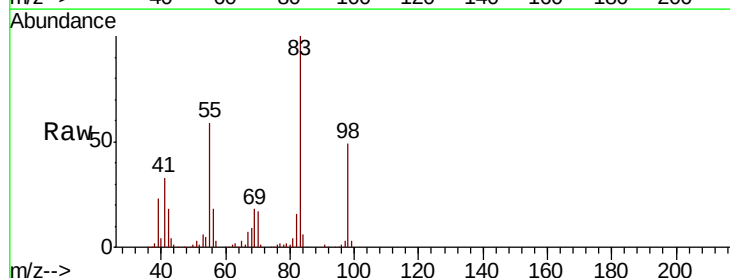
Tgt Ion: 83 Resp: 302516

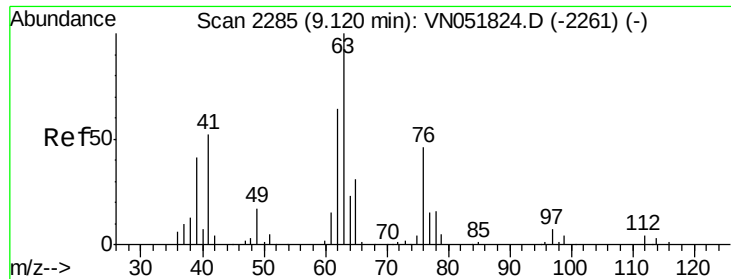
Ion Ratio Lower Upper

83 100

55 59.7 43.0 129.2

98 49.8 21.3 63.7





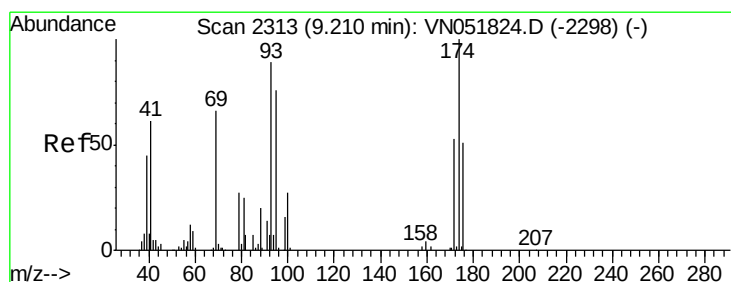
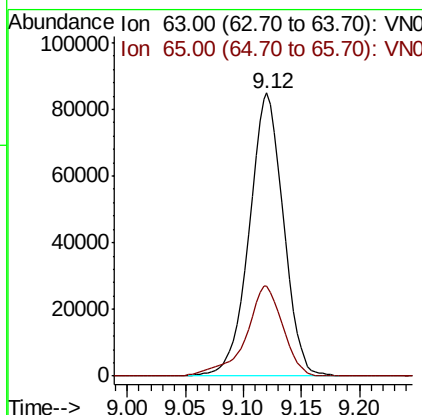
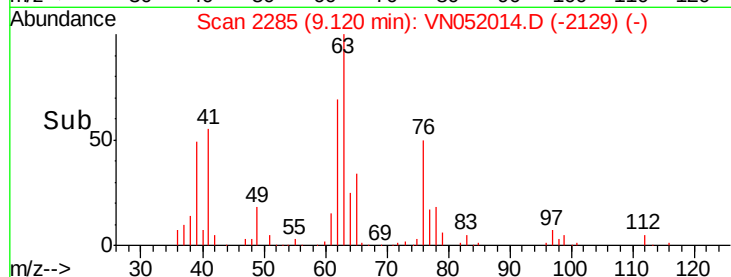
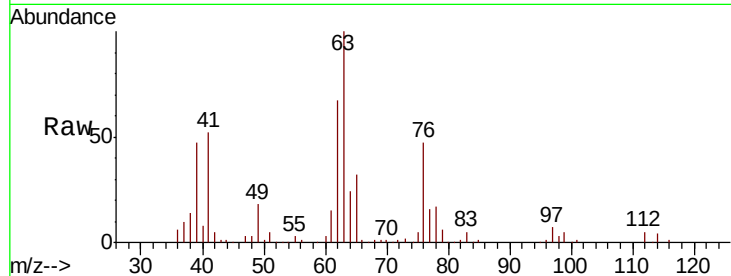
#39
 1,2-Dichloropropane
 Concen: 20.076 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Tot Ion: 63 Resp: 174573
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.2 34.8

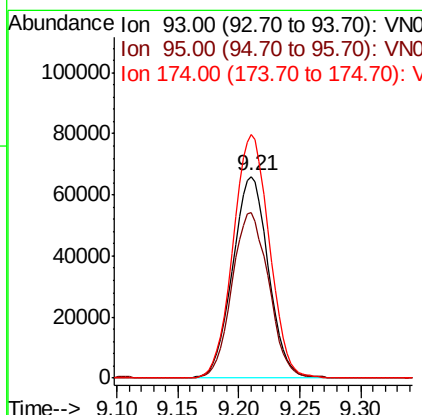
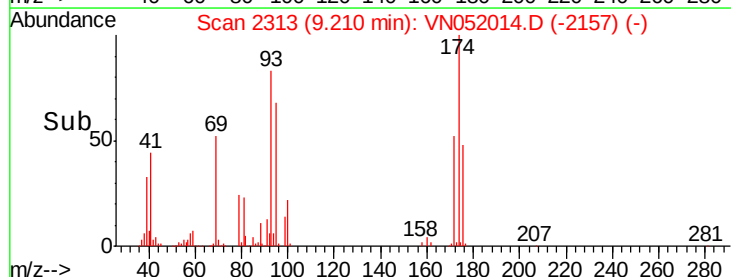
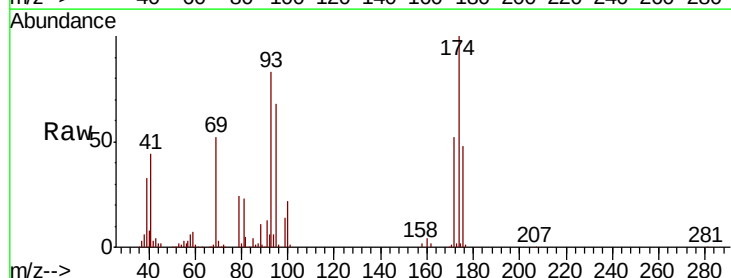
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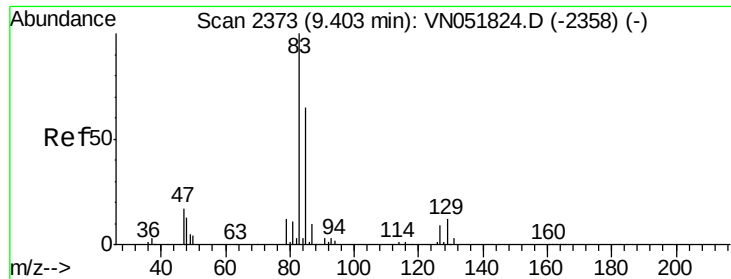
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#40
 Dibromomethane
 Concen: 20.842 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion: 93 Resp: 134506
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 162.0
 174 121.8 0.0 214.0





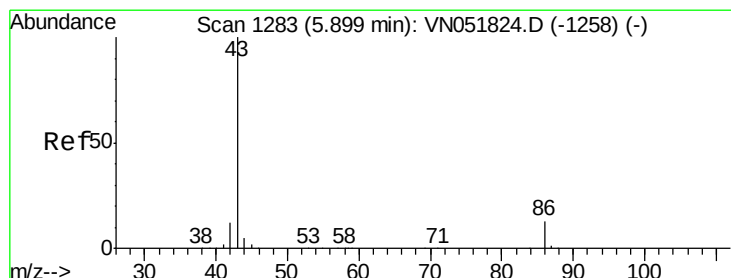
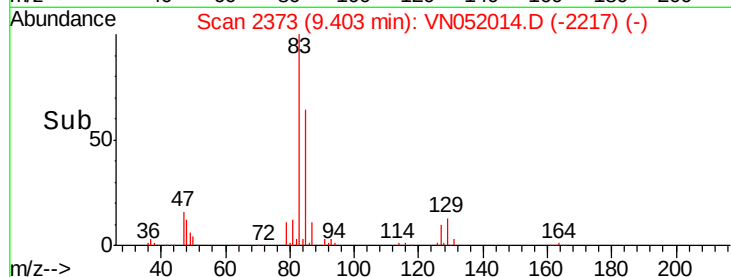
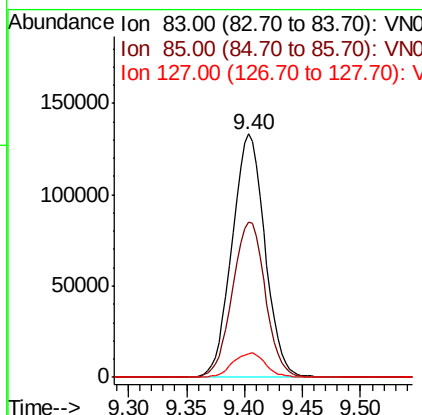
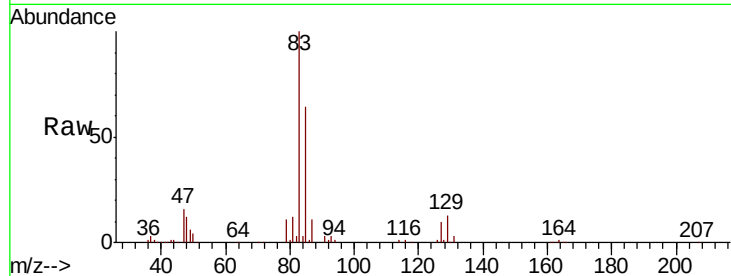
#41
Bromodichloromethane
Concen: 19.574 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	83	Resp	260935
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	55.7	83.5
127	9.8	8.2	12.4

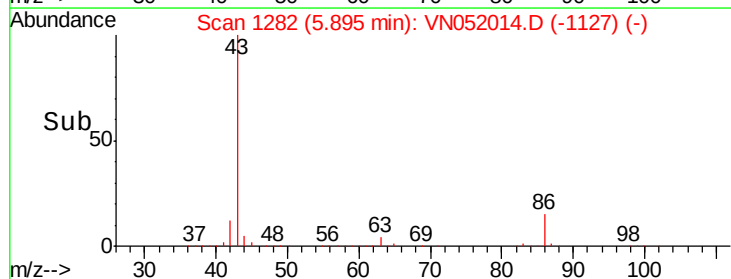
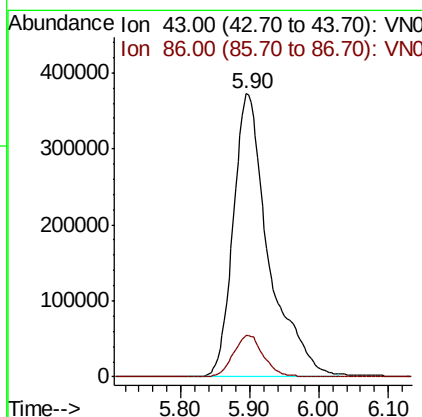
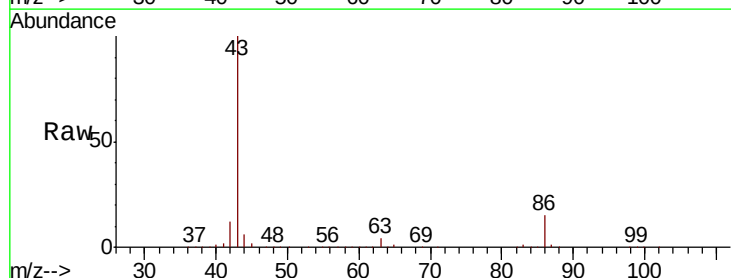
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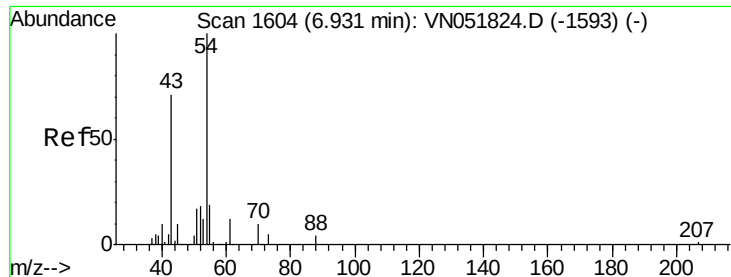
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#42
Vinyl Acetate
Concen: 90.262 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	43	Resp	1325690
Ion Ratio	100	Lower	Upper
43	100		
86	12.4	6.5	9.7#





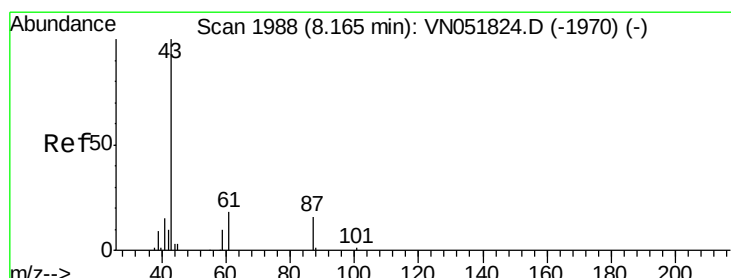
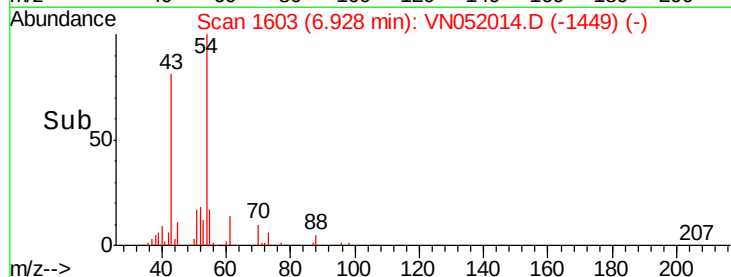
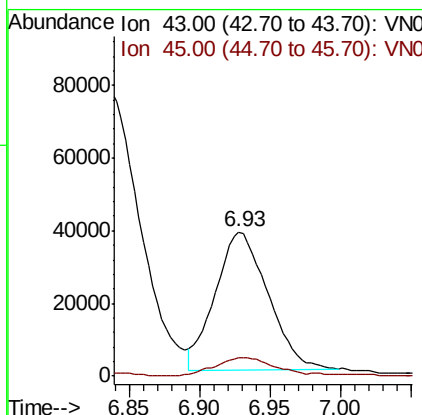
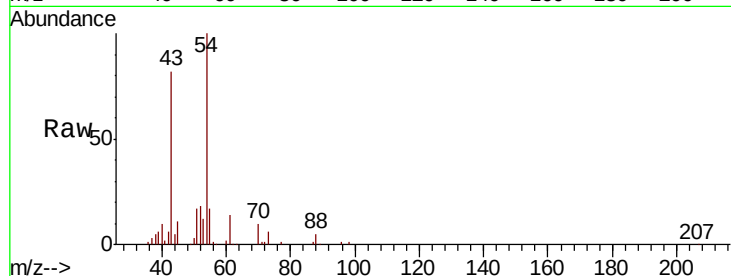
#43
Ethyl Acetate
Concen: 17.364 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	43	45	Ratio	Lower	Upper
98368	100	13.6		11.0	16.6

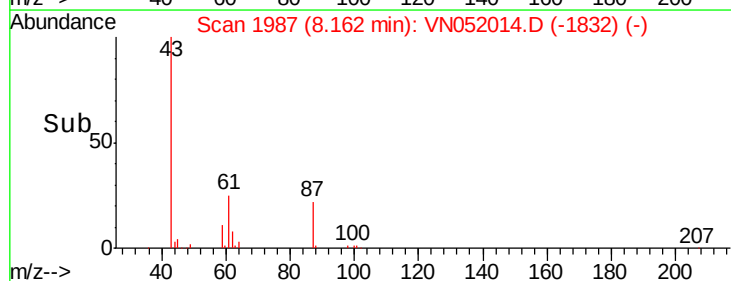
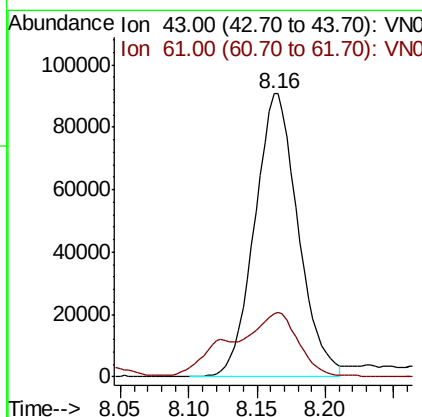
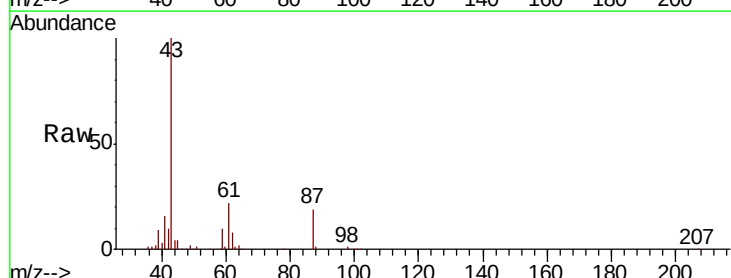
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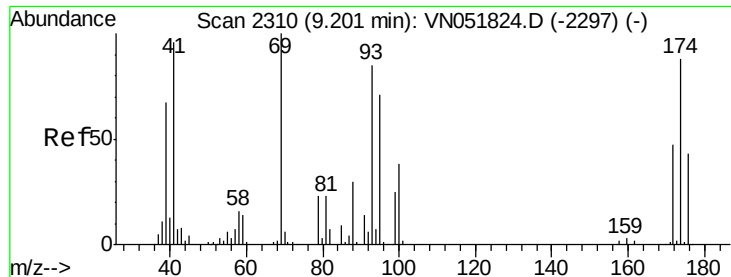
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#44
Isopropyl Acetate
Concen: 17.738 ug/l m
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	43	61	Ratio	Lower	Upper
200716	100	0.0		15.9	23.9#





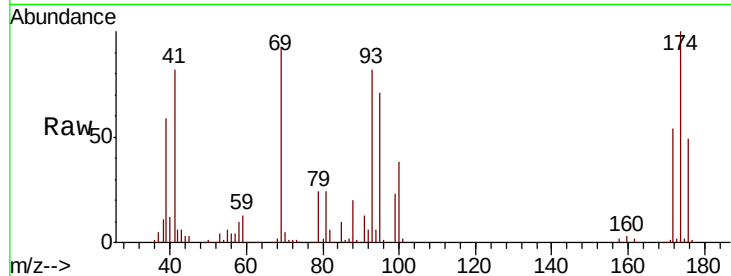
#45
 1,4-Dioxane
 Concen: 273.479 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

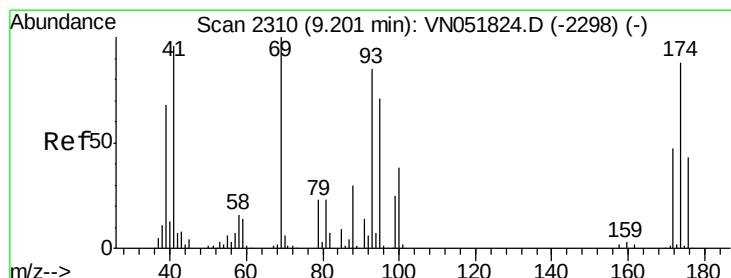
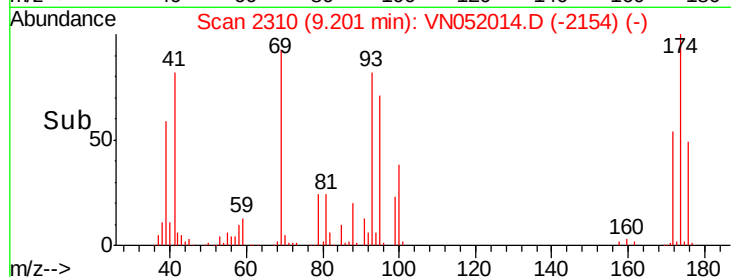
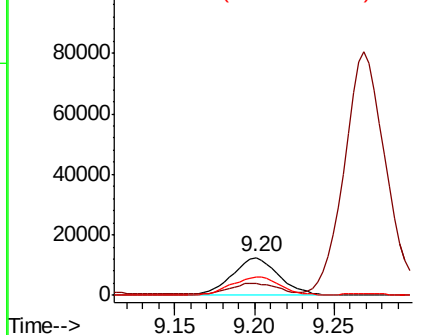
Tot Ion	88	Resp	24848
Ion Ratio	100	Lower	Upper
43	29.7	26.2	39.2
58	51.5	65.6	98.4#

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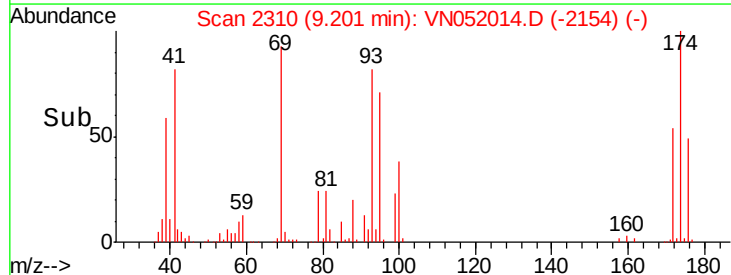
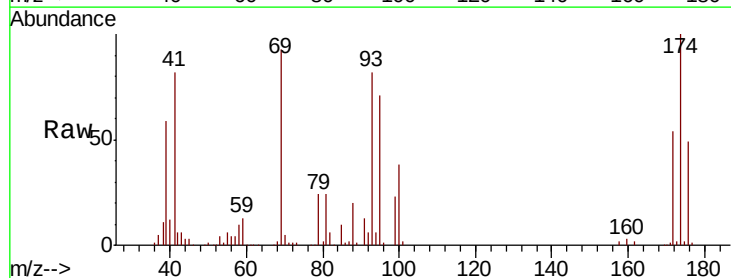
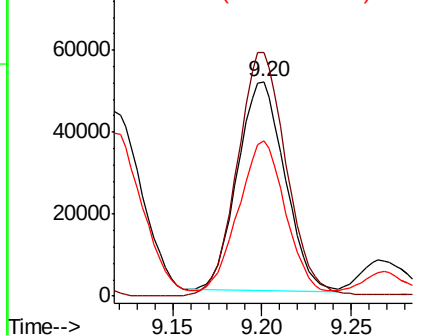
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

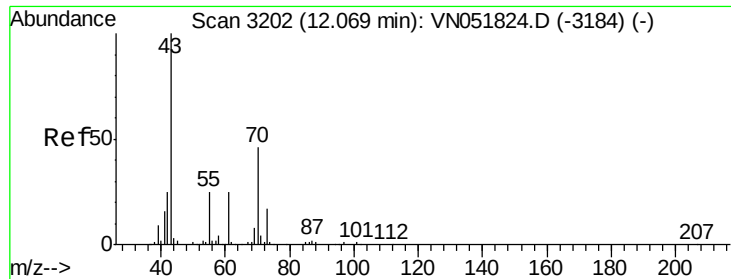


#46
 Methyl methacrylate
 Concen: 18.200 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	41	Resp	94994
Ion Ratio	100	Lower	Upper
69	116.2	40.7	122.1
39	71.8	27.3	81.9

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





#47

n-amyl Acetate

Concen: 18.424 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion: 43 Resp: 174523

Ion Ratio Lower Upper

43 100

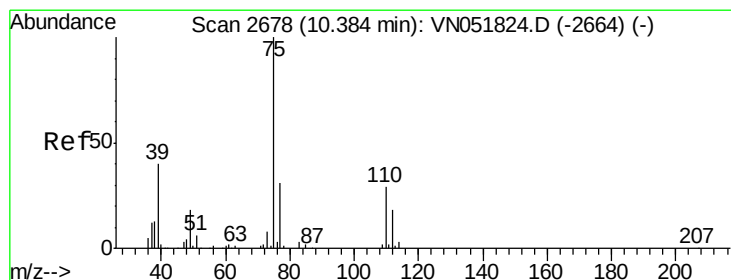
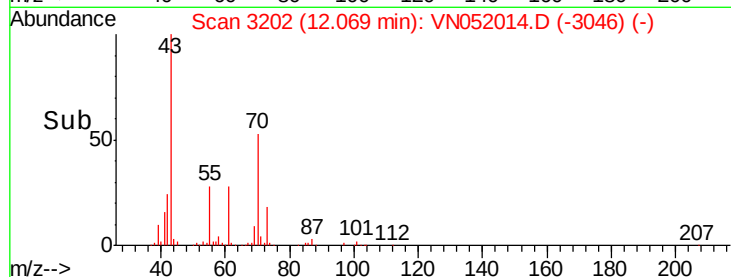
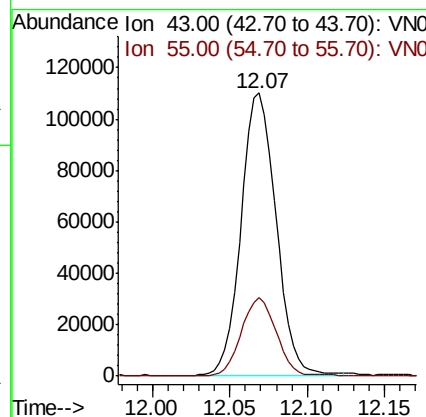
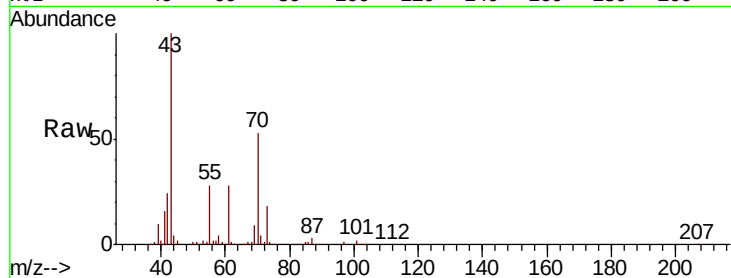
55 0.1 12.2 18.4#

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#48

t-1,3-Dichloropropene

Concen: 17.960 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052014.D

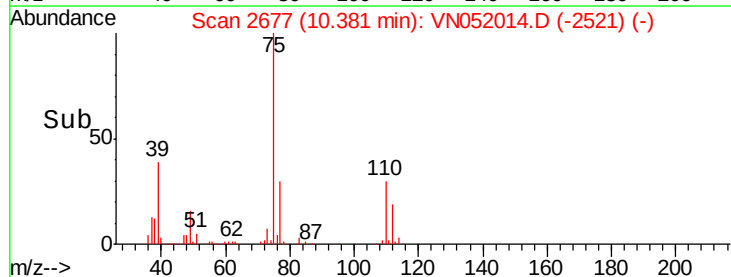
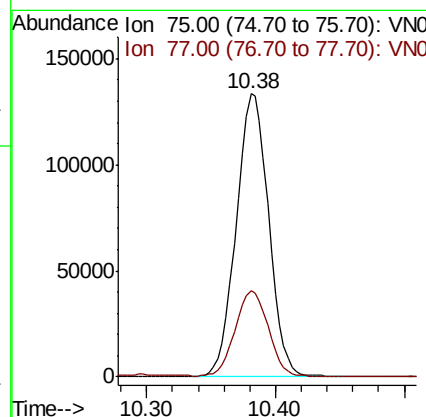
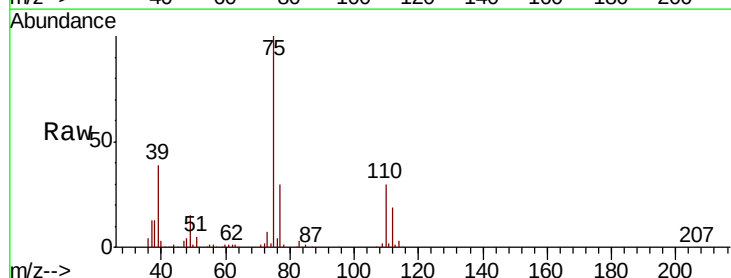
Acq: 25 Oct 2018 16:57

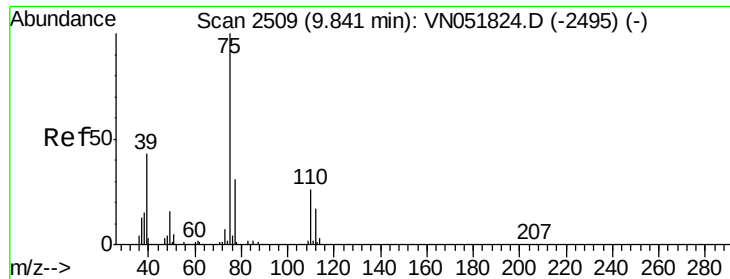
Tgt Ion: 75 Resp: 233464

Ion Ratio Lower Upper

75 100

77 30.3 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.315 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

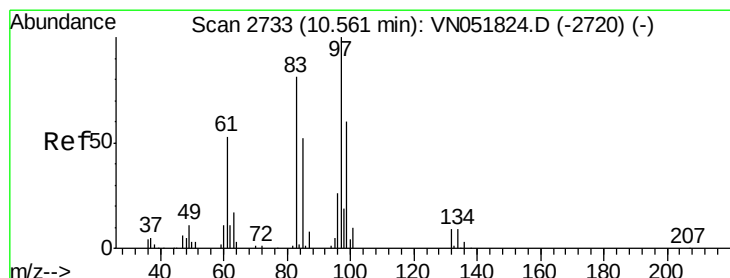
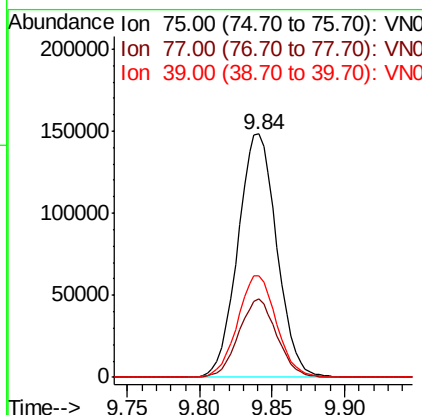
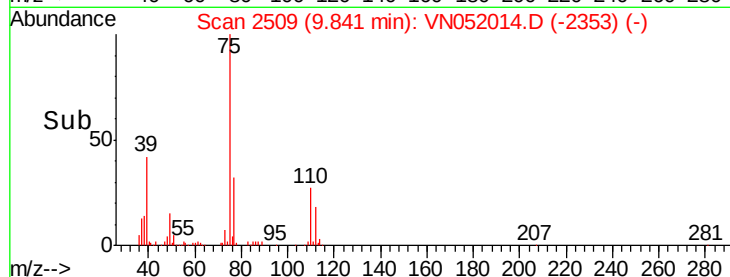
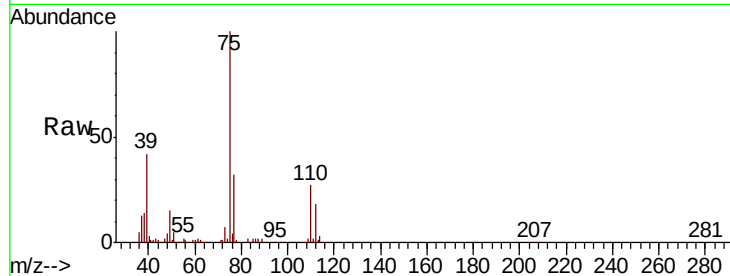
ClientSampleId :

VN1025WBS02

Tot Ion:	75	Resp:	276793
Ion Ratio		Lower	Upper
75	100		
77	32.4	23.2	34.8
39	41.6	34.6	52.0

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#50

1,1,2-Trichloroethane

Concen: 20.932 ug/l

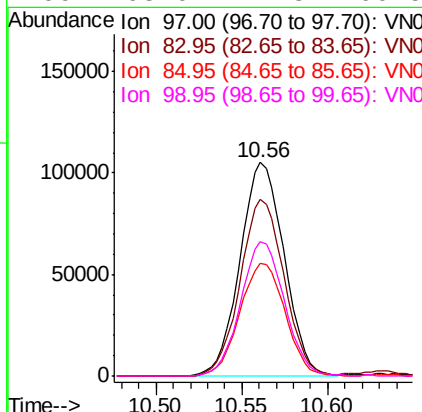
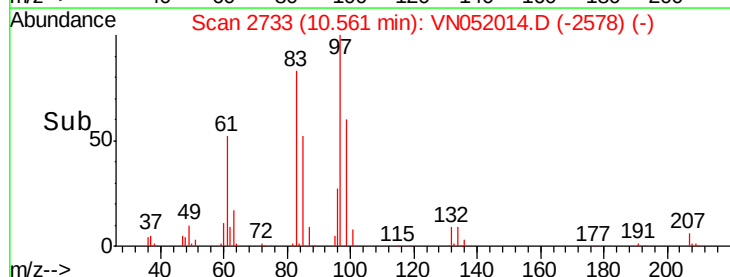
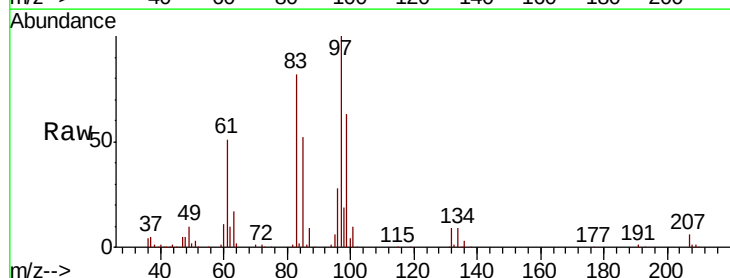
RT: 10.56 min Scan# 2733

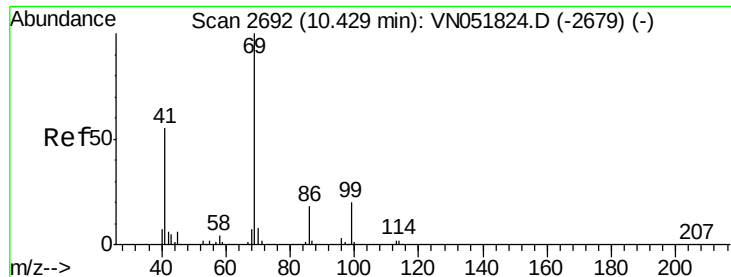
Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion:	97	Resp:	186650
Ion Ratio		Lower	Upper
97	100		
83	82.5	68.2	102.4
85	52.5	42.5	63.7
99	63.0	44.3	66.5





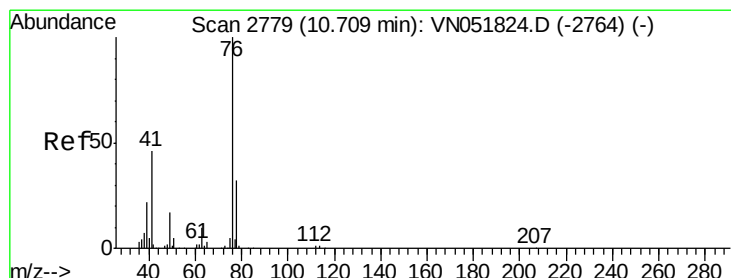
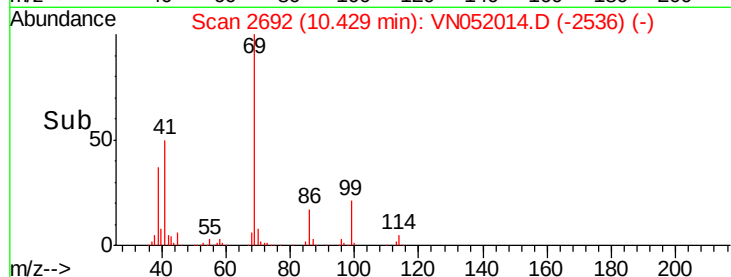
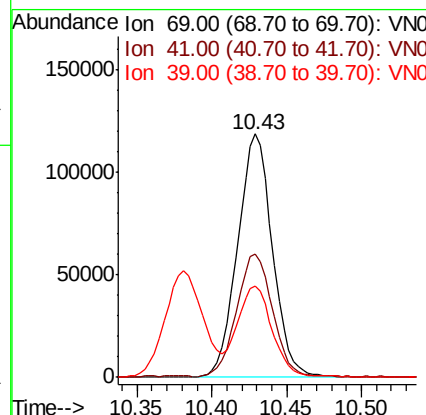
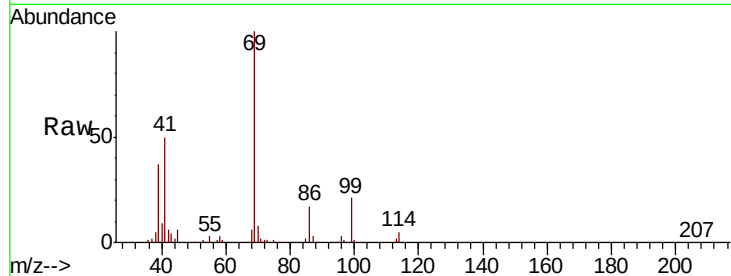
#51
Ethyl methacrylate
Concen: 18.875 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
69	100		
41	50.2	34.4	103.1
39	37.1	16.3	48.8

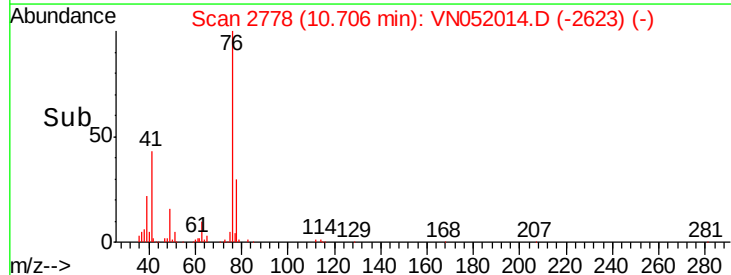
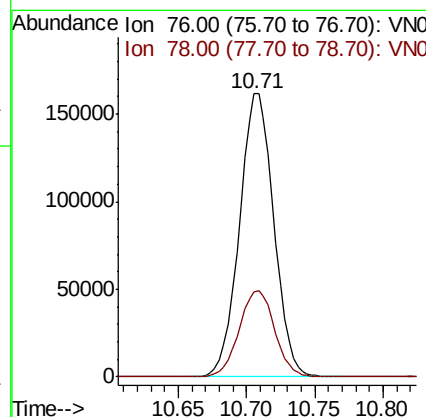
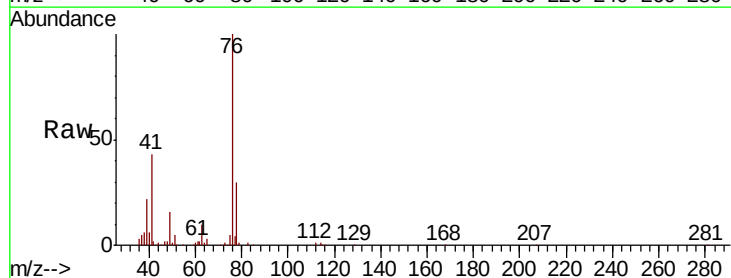
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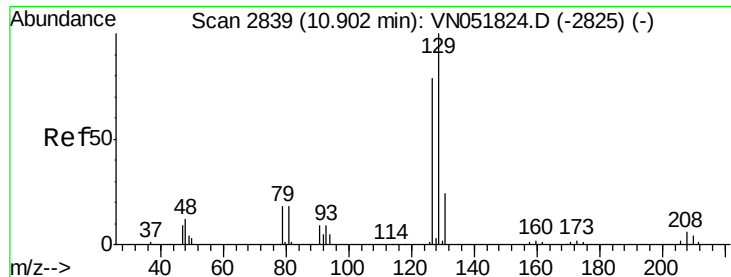
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#52
1,3-Dichloropropane
Concen: 20.540 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	67.6





#53

Dibromochloromethane

Concen: 18.685 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion:129 Resp: 206112

Ion Ratio Lower Upper

129 100

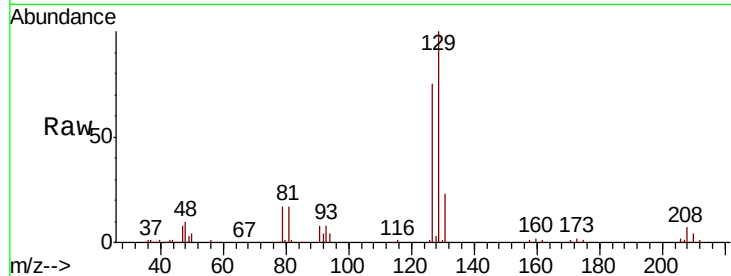
127 76.9 40.2 120.5

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

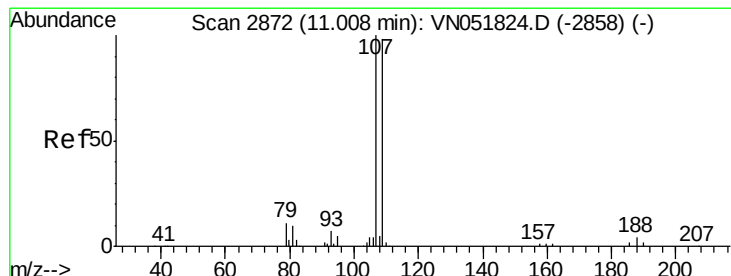
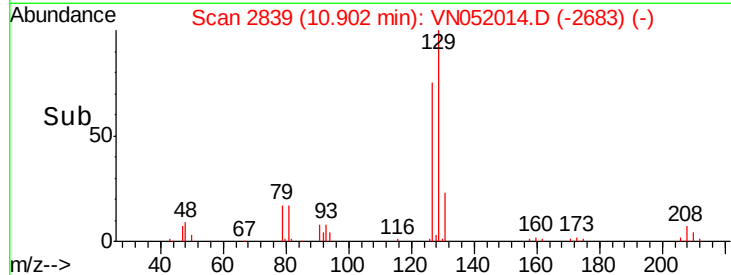
10.90

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 21.173 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052014.D

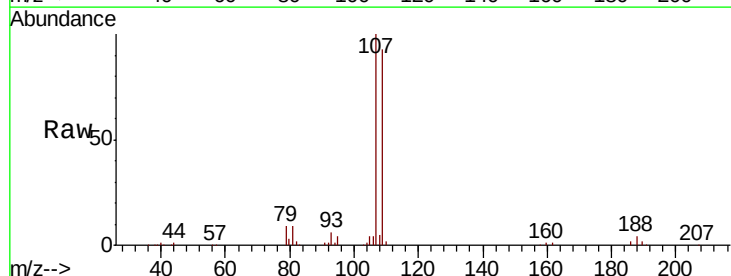
Acq: 25 Oct 2018 16:57

Tgt Ion:107 Resp: 198175

Ion Ratio Lower Upper

107 100

109 93.0 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

120000

100000

80000

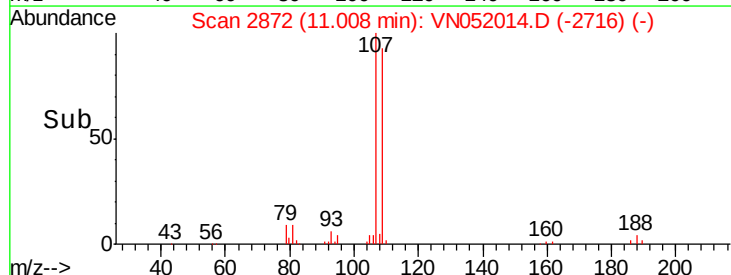
60000

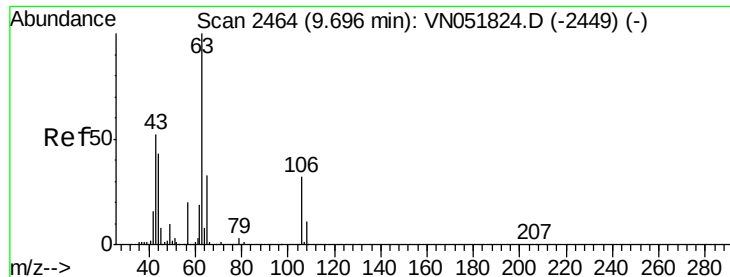
40000

20000

0

Time-->





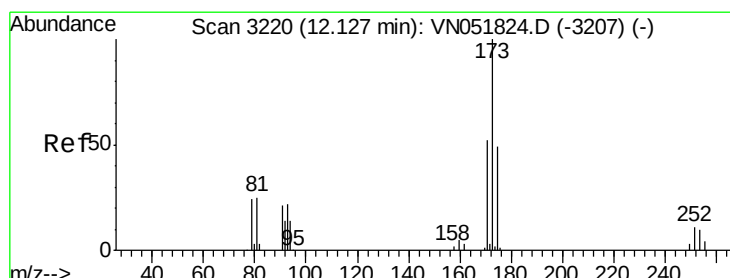
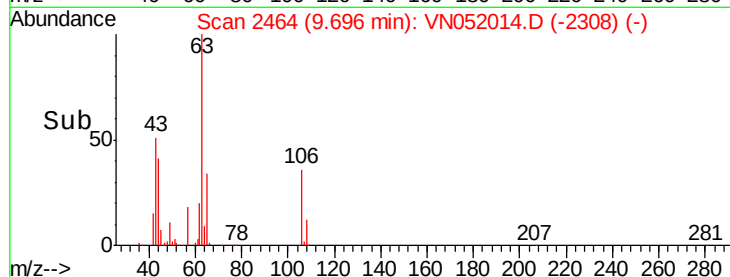
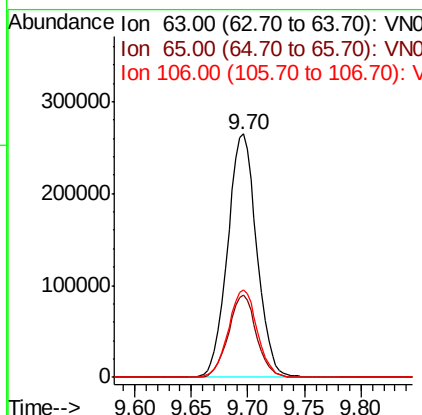
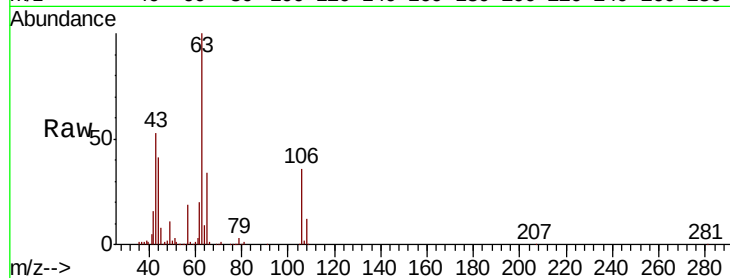
#55
2-Chloroethyl vinyl ether
Concen: 108.522 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.4	38.0
106	35.7	21.2	31.8

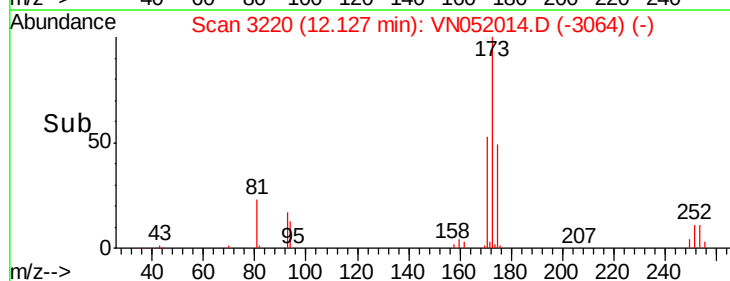
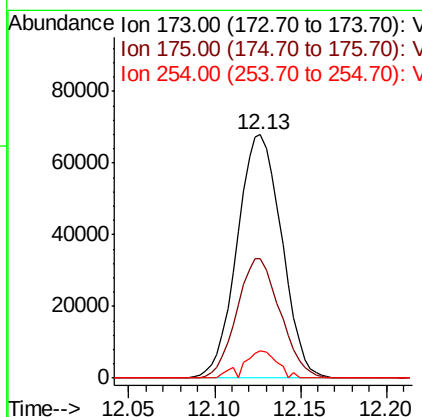
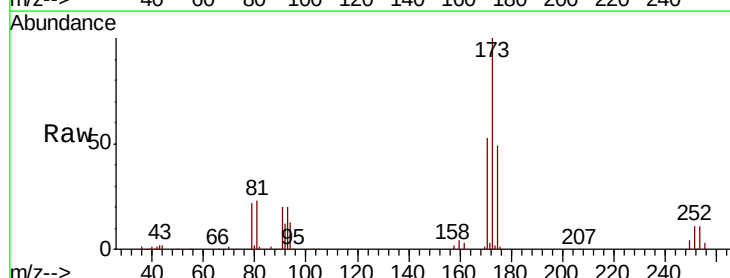
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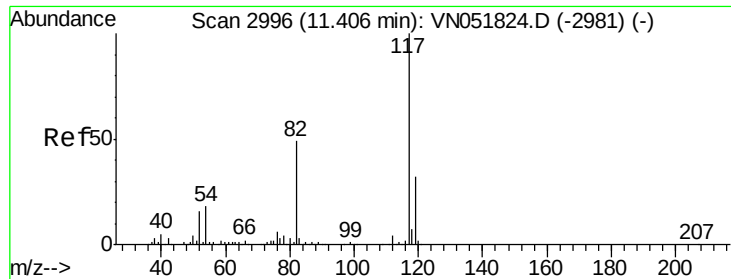
MMDadoda
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#56
Bromoform
Concen: 16.823 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	35.8	53.8
254	7.1	8.6	13.0





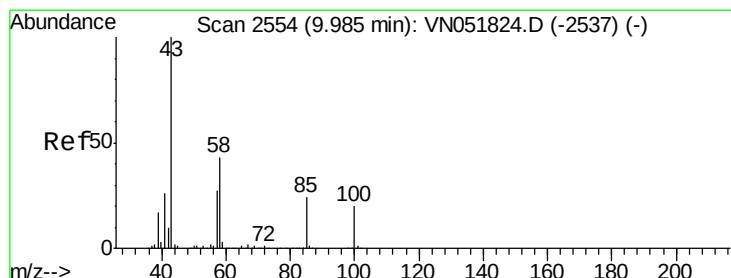
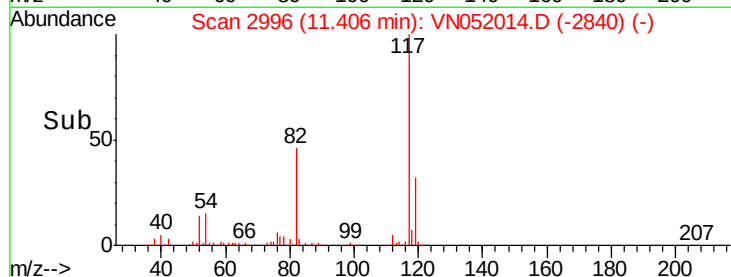
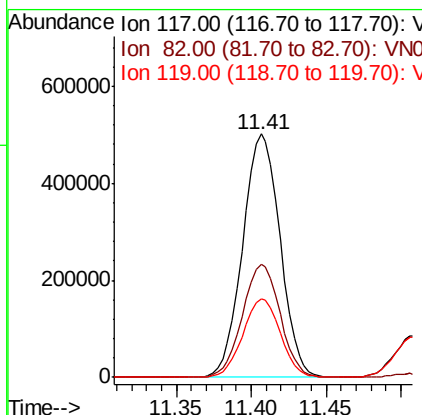
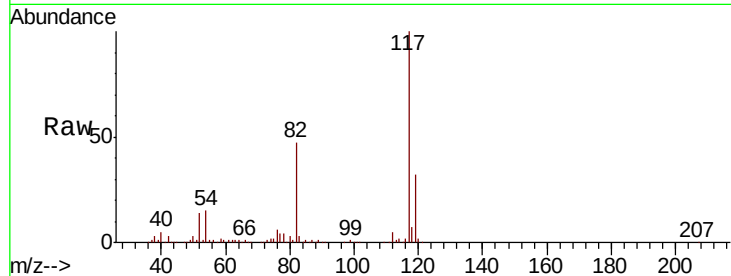
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.7	44.1	66.1
119	32.3	25.8	38.8

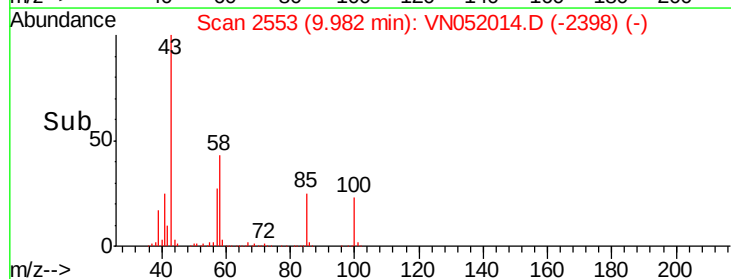
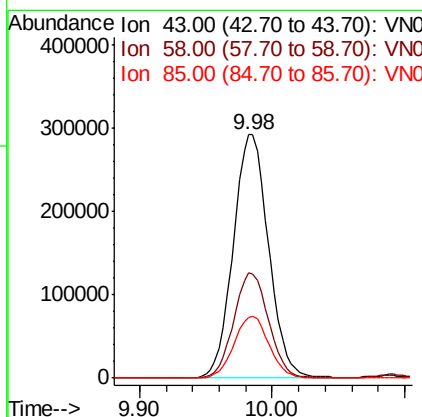
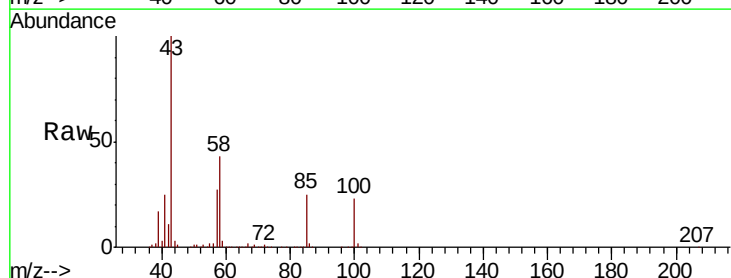
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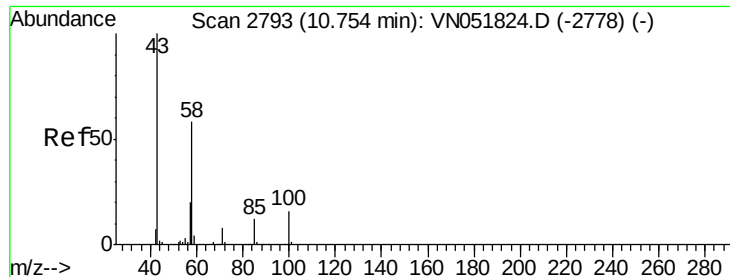
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#58
4-Methyl-2-Pentanone
Concen: 92.000 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.9	29.3	43.9
85	25.3	12.6	18.8#





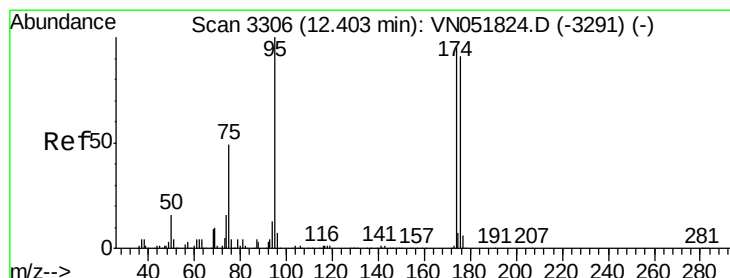
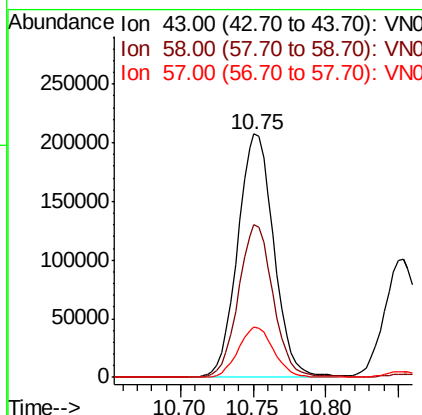
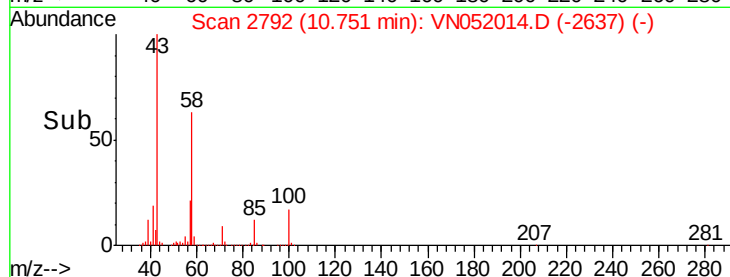
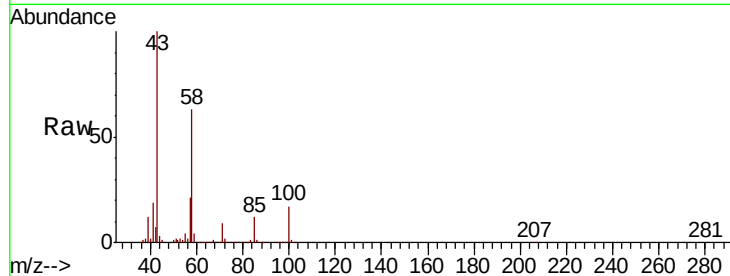
#59
2-Hexanone
Concen: 90.478 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.3	41.3	61.9
57	20.4	13.4	20.0

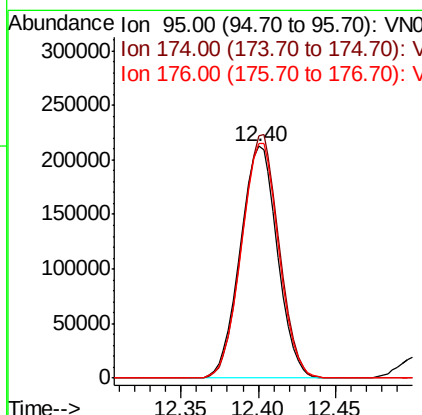
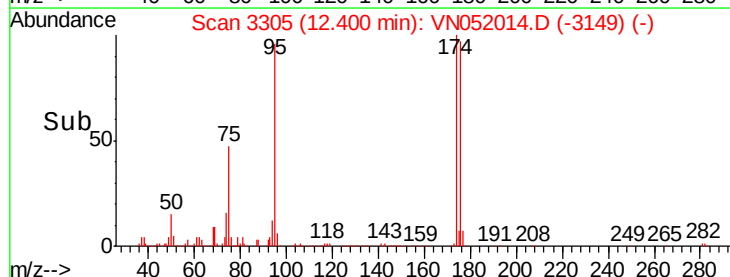
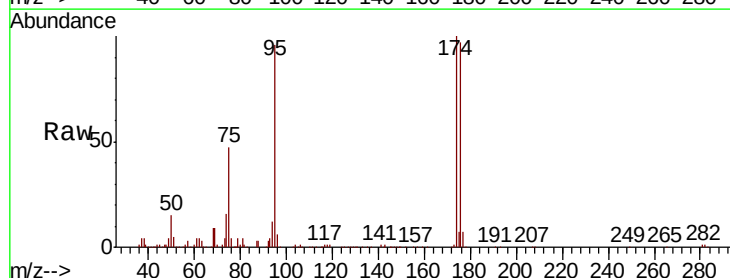
Manual Integrations
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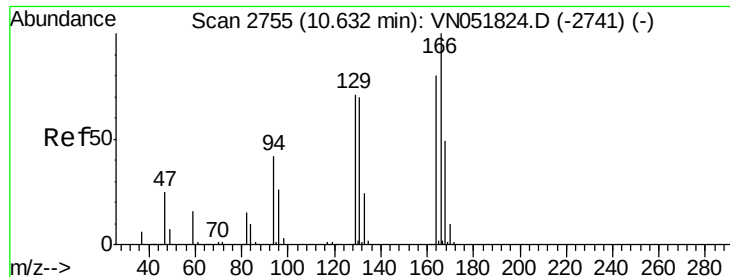
MMDadoda
10/26/2018 9:19:59 AM



#60
4-Bromofluorobenzene
Concen: 90.478 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	104.9	73.5	110.3
176	101.7	70.2	105.2





#61

Tetrachloroethene

Concen: 20.926 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

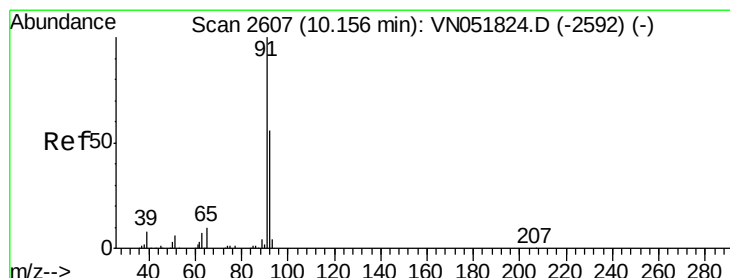
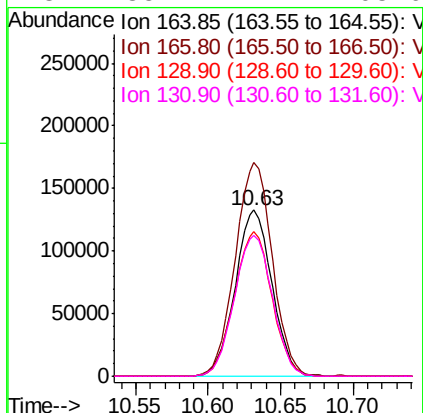
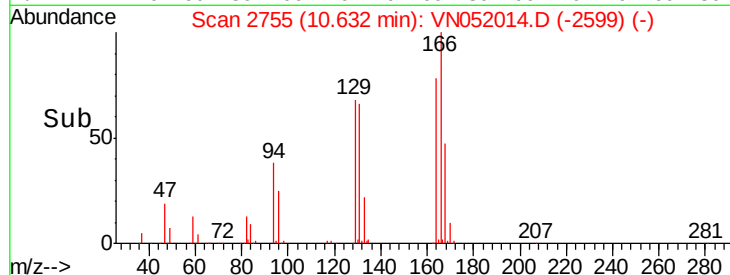
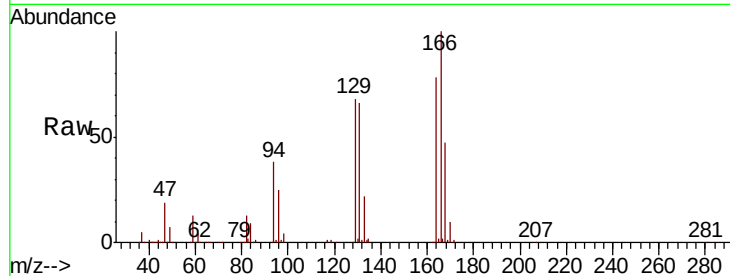
ClientSampleId :

VN1025WBS02

Tot Ion	164	166	129	131
Ratio	100	128.7	87.3	85.1
Lower		98.7	69.6	72.4
Upper		148.1	104.4	108.6

Manual Integrations
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#62

Toluene

Concen: 21.144 ug/l

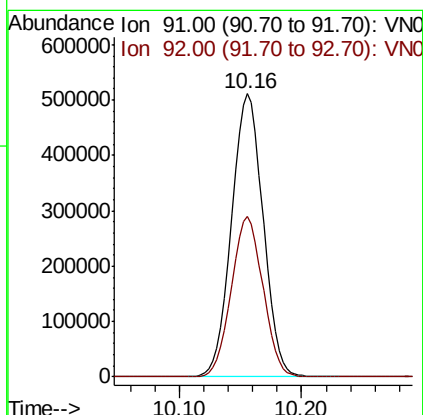
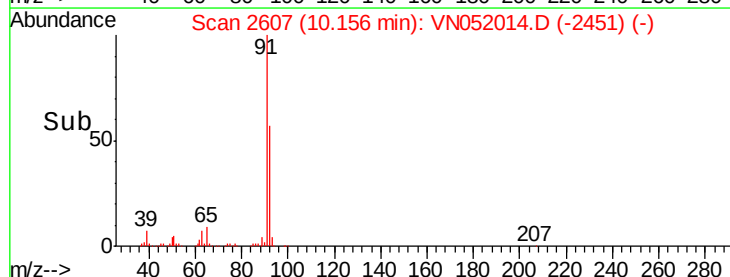
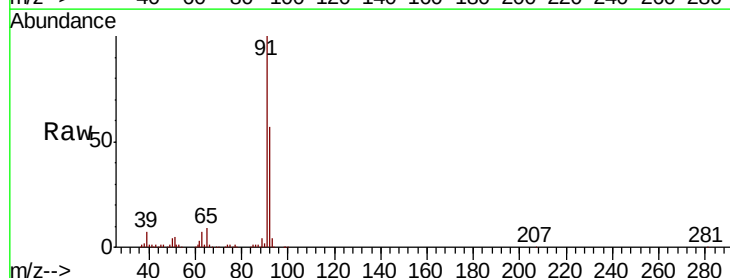
RT: 10.16 min Scan# 2607

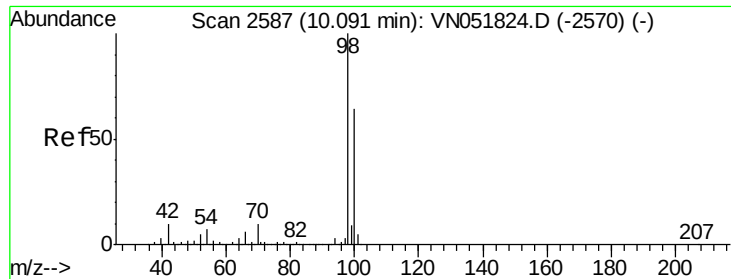
Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion	91	92
Ratio	100	56.9
Lower		44.6
Upper		66.8





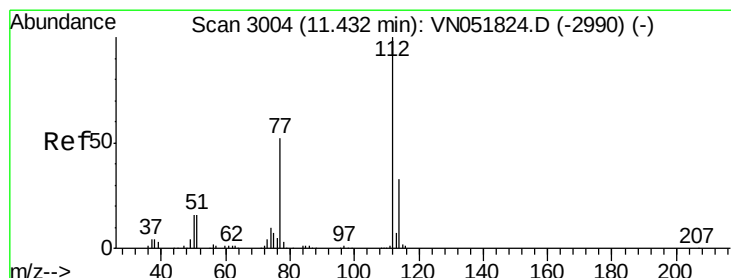
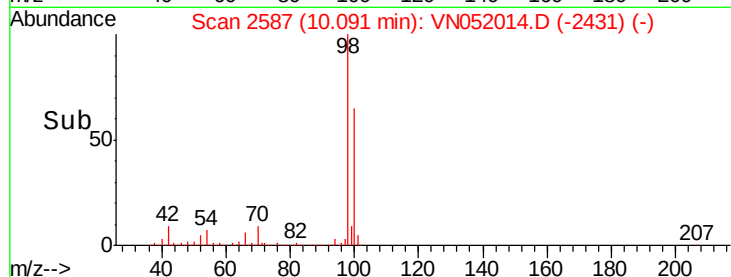
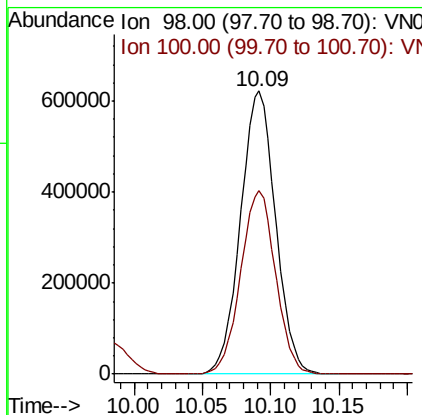
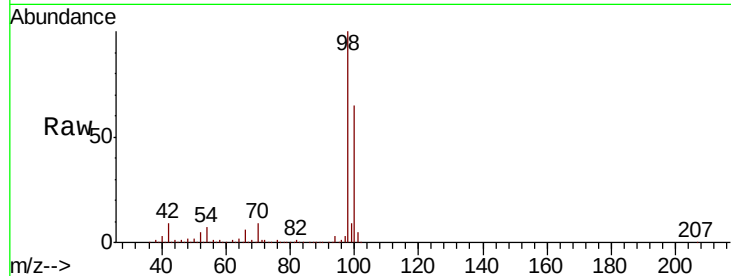
#63
Toluene-d8
Concen: 21.144 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion: 98 Resp: 1109410
Ion Ratio Lower Upper
98 100
100 64.6 50.8 76.2

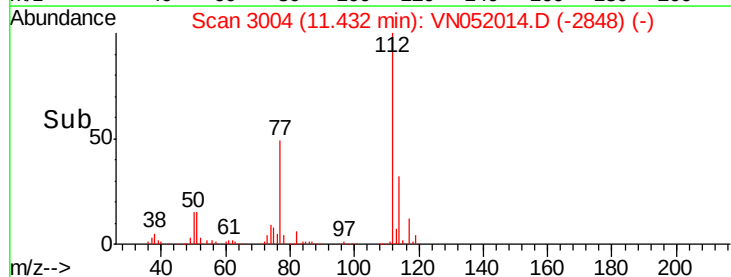
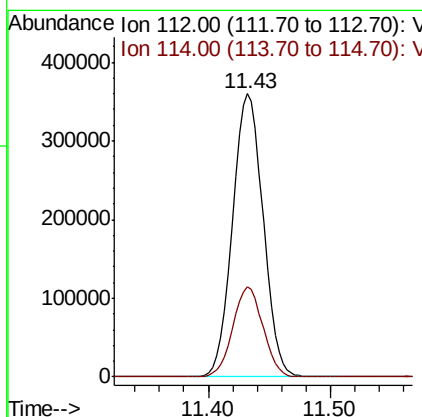
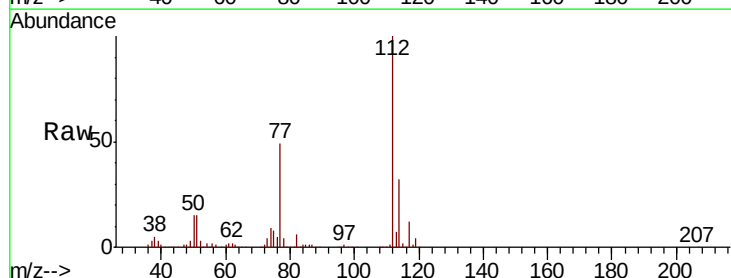
Manual Integrations
APPROVED

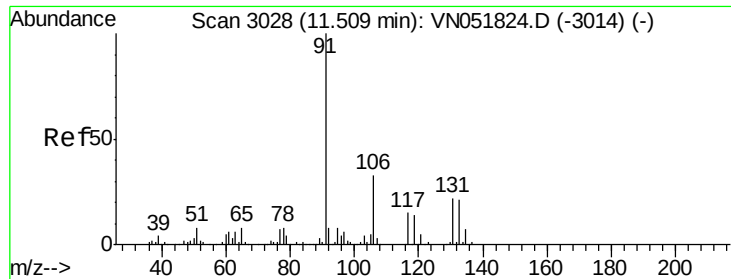
MMDadoda
10/26/2018 9:19:59 AM



#64
Chlorobenzene
Concen: 22.013 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion: 112 Resp: 626080
Ion Ratio Lower Upper
112 100
114 31.8 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.920 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

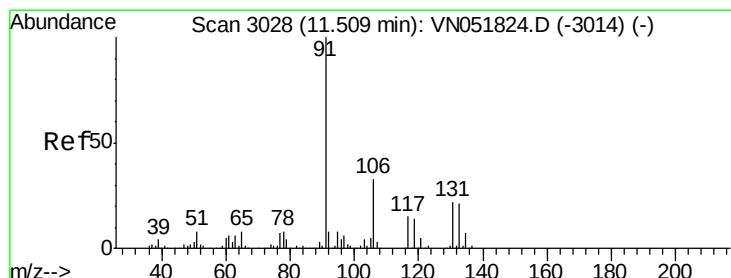
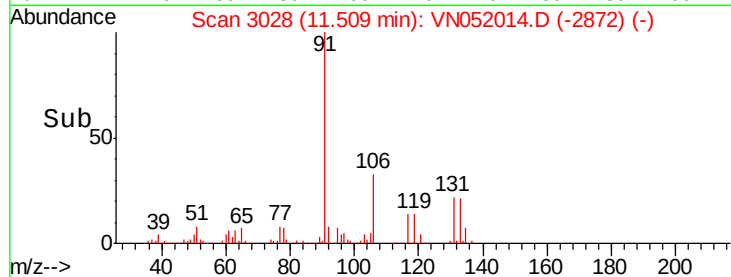
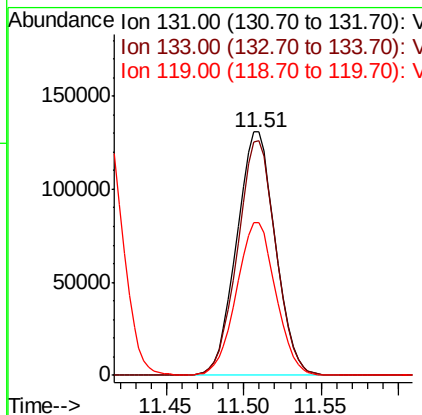
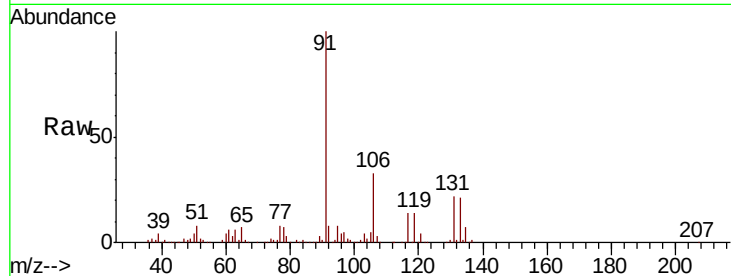
ClientSampleId :

VN1025WBS02

Tot Ion:	131	Resp:	228379
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	190.4
119	63.3	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.583 ug/l

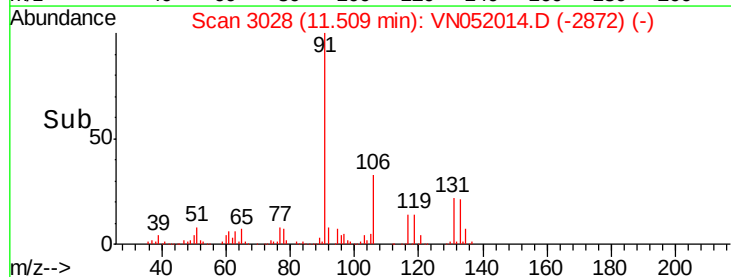
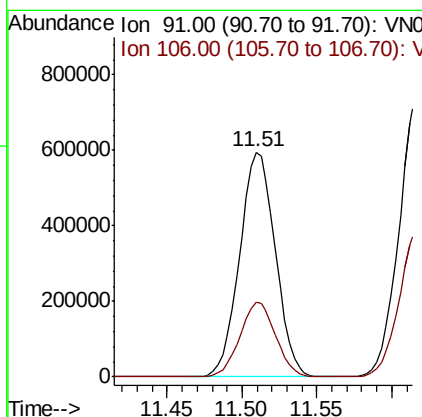
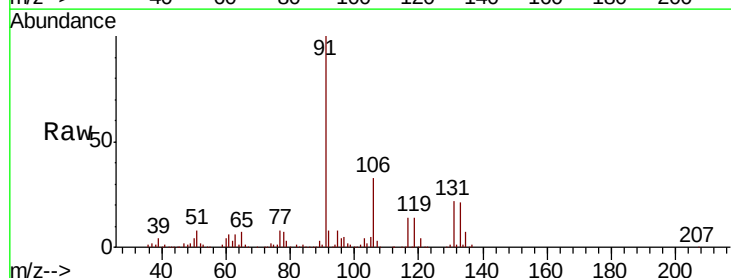
RT: 11.51 min Scan# 3028

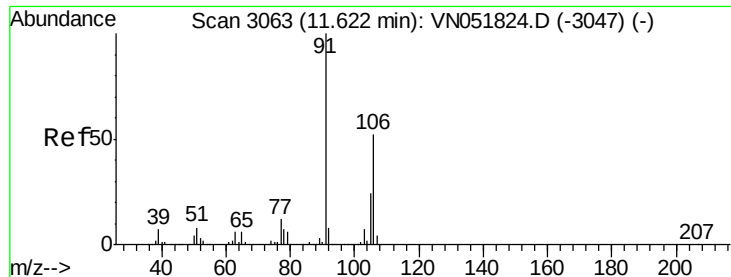
Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion:	91	Resp:	987885
Ion Ratio	Lower	Upper	
91	100		
106	33.3	25.9	38.9





#67

m/p-Xylenes

Concen: 41.315 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion:106 Resp: 803944

Ion Ratio Lower Upper

106 100

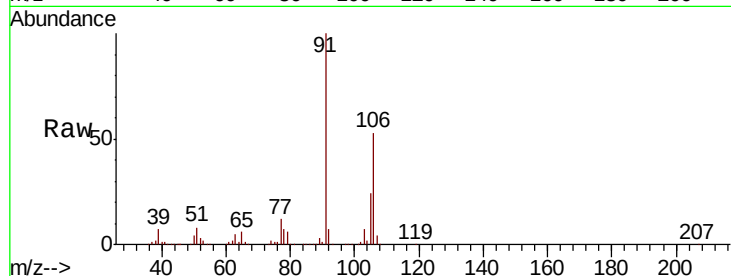
91 191.1 158.8 238.2

Manual Integrations

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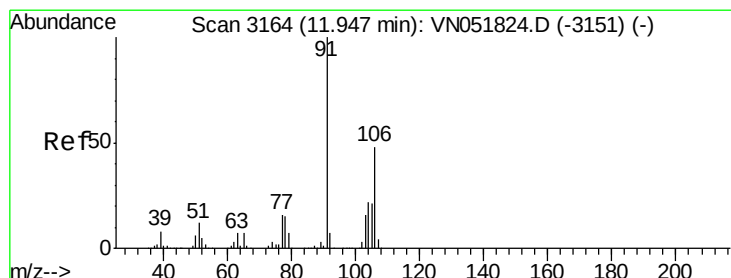
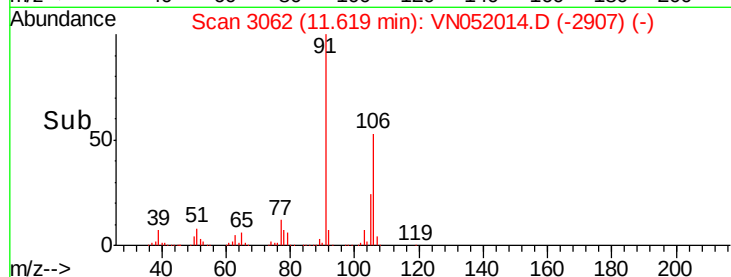
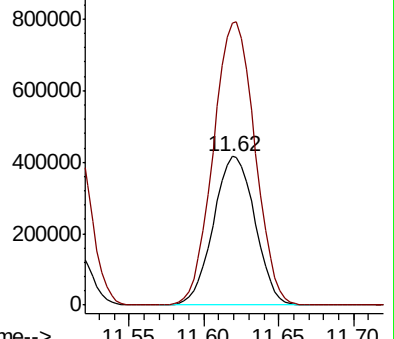
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.524 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052014.D

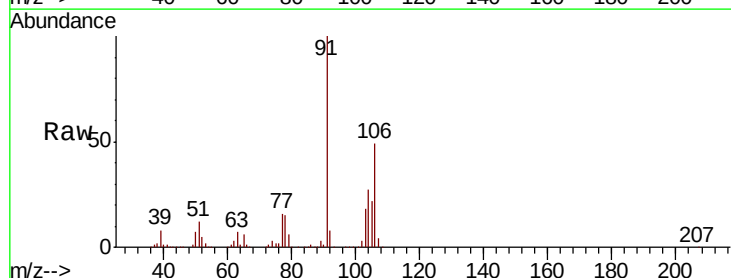
Acq: 25 Oct 2018 16:57

Tgt Ion:106 Resp: 393705

Ion Ratio Lower Upper

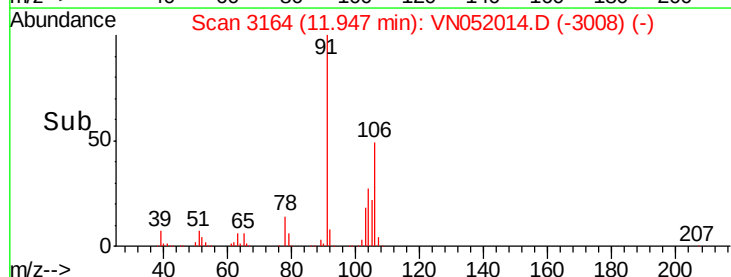
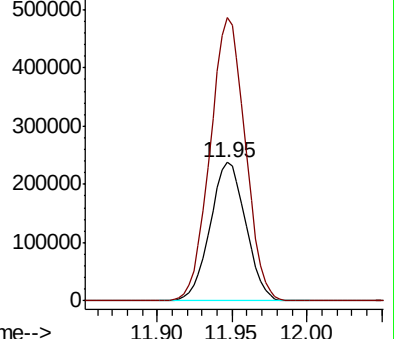
106 100

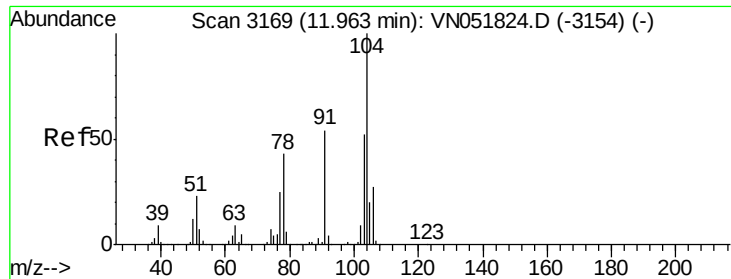
91 202.0 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





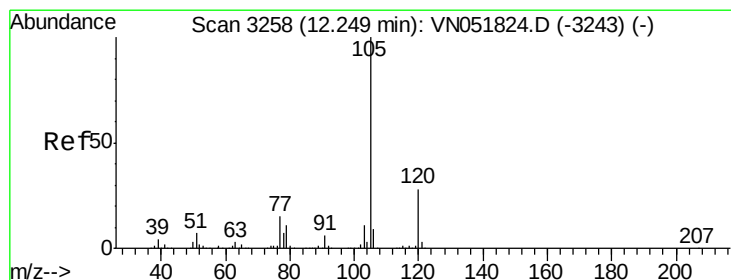
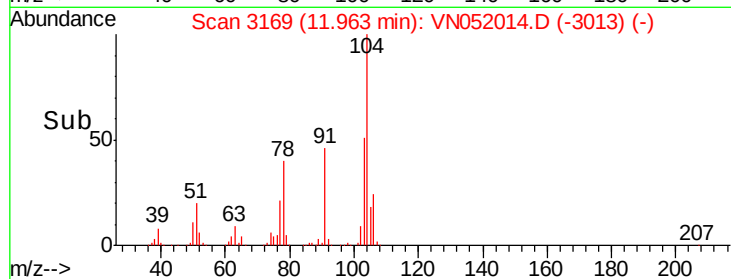
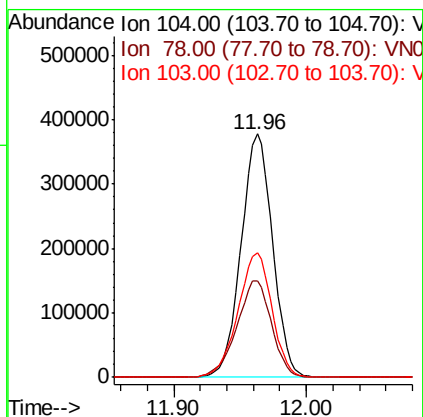
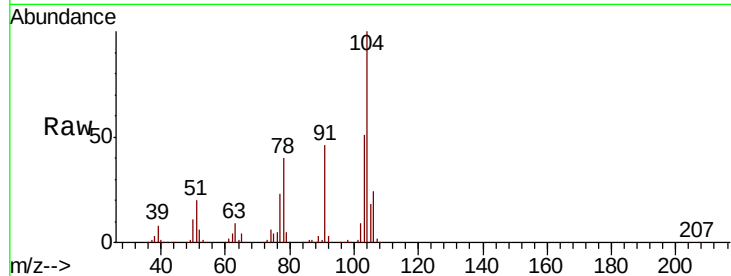
#69
Stvrene
Concen: 21.210 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		624248		
78	43.5	40.6	60.8		
103	55.0	44.0	66.0		

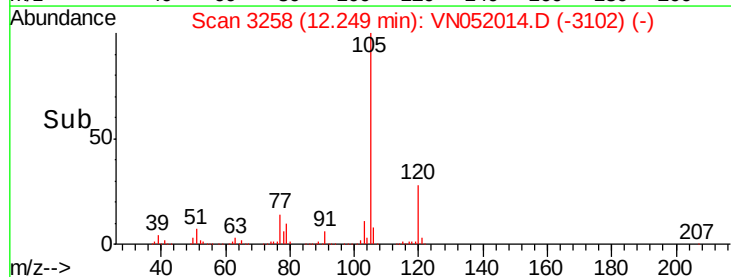
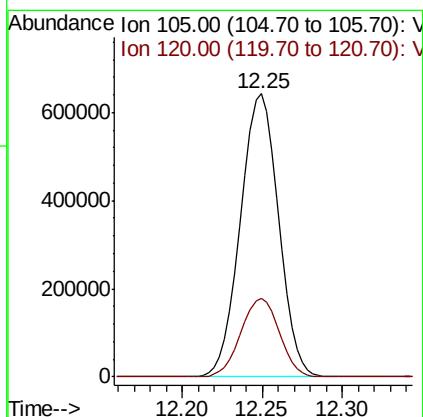
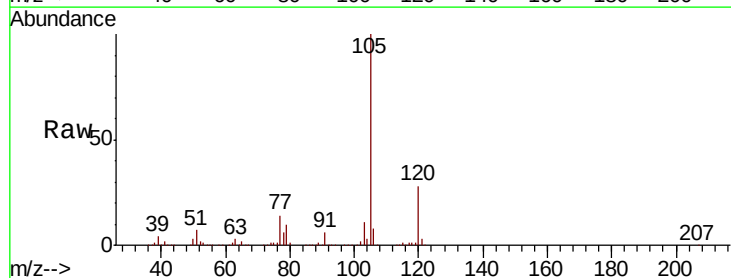
Manual Integrations
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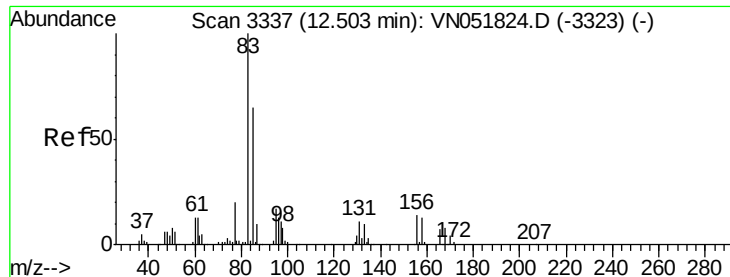
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#70
Isopropylbenzene
Concen: 20.419 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	27.9	19.0	35.4	





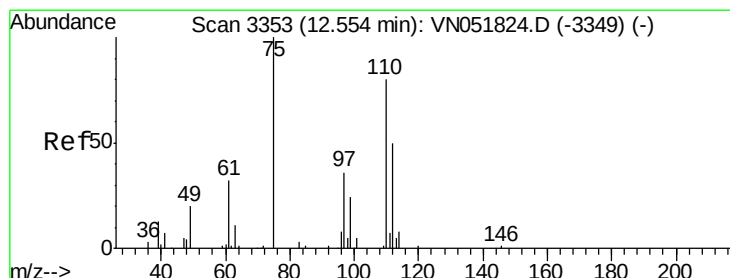
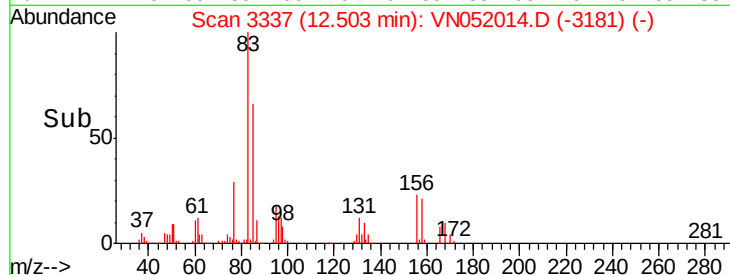
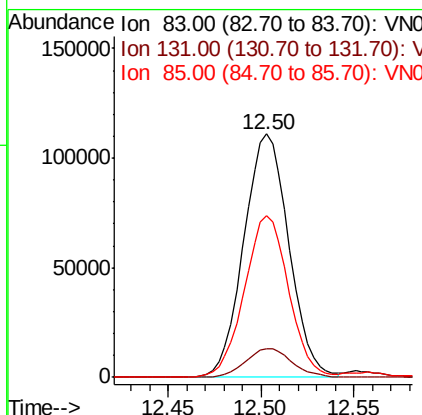
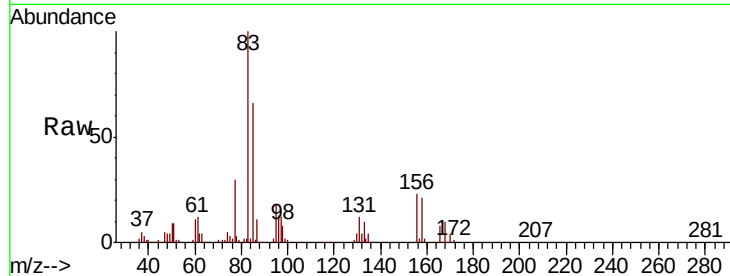
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.618 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.5	16.4
85	64.9	30.6	91.8

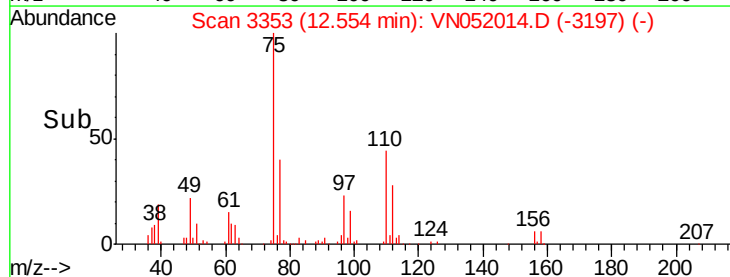
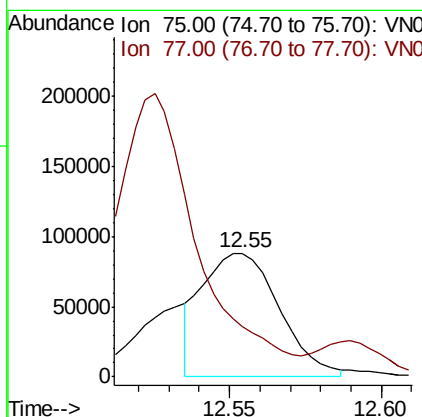
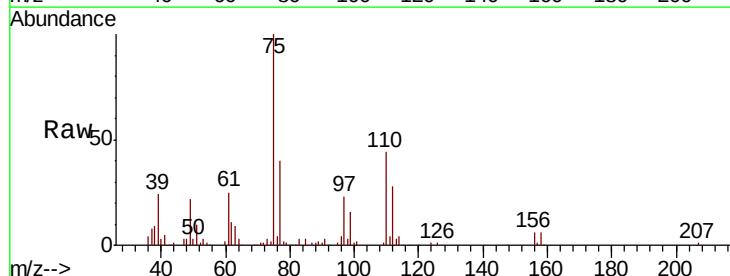
Manual Integrations
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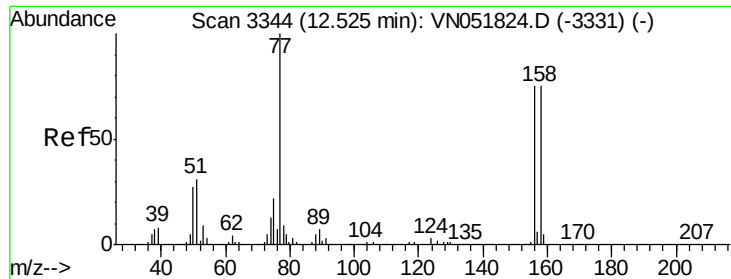
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 10/26/2018 9:19:59 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.642 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	249.2	0.0	400.0





#73

Bromobenzene

Concen: 22.477 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

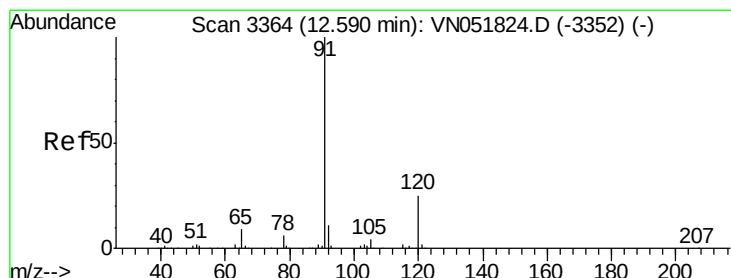
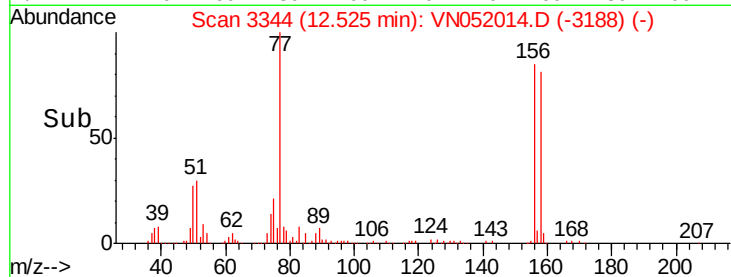
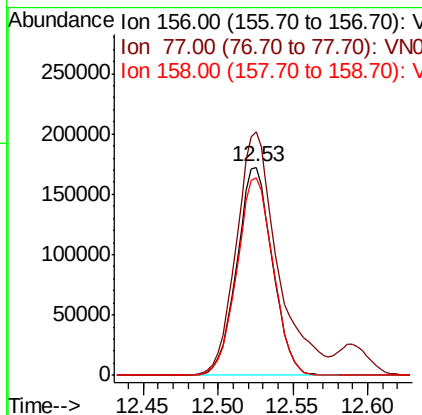
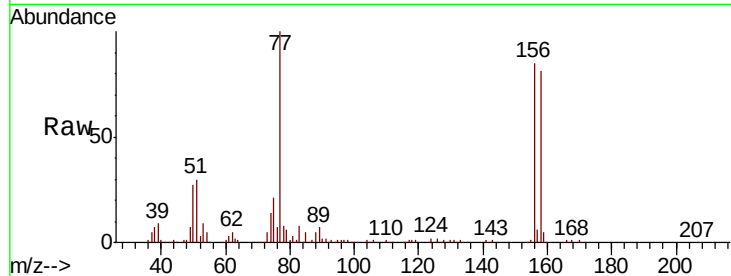
ClientSampleId :

VN1025WBS02

Tot Ion:	156	Resp:	284803
Ion Ratio	Lower	Upper	
156	100		
77	136.6	0.0	377.4
158	96.7	0.0	203.0

Manual Integrations
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#74

n-propylbenzene

Concen: 20.076 ug/l

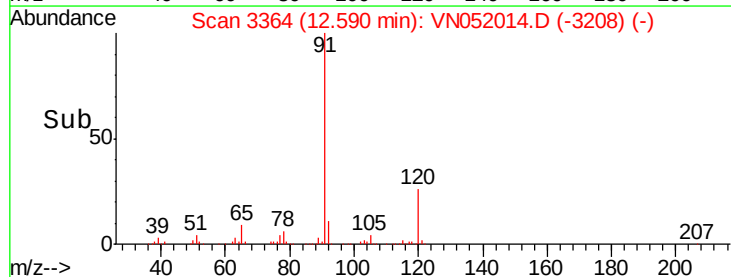
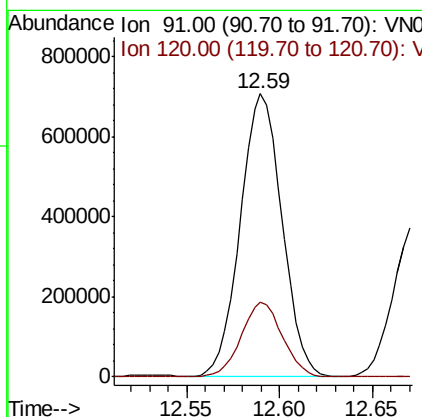
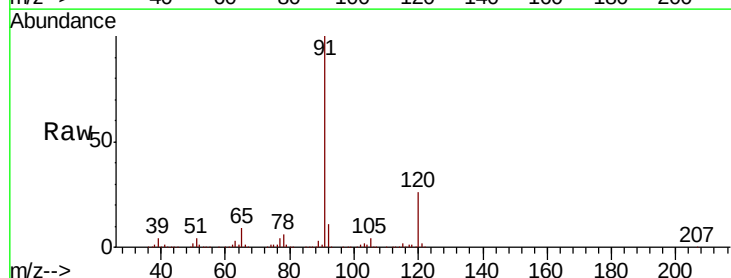
RT: 12.59 min Scan# 3364

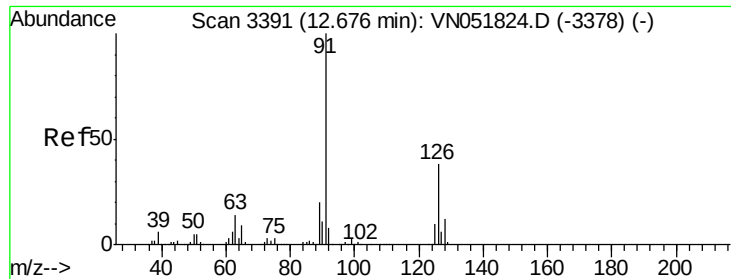
Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion:	91	Resp:	1104701
Ion Ratio	Lower	Upper	
91	100		
120	26.0	0.0	45.0





#75

2-Chlorotoluene

Concen: 20.021 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion: 91 Resp: 645862

Ion Ratio Lower Upper

91 100

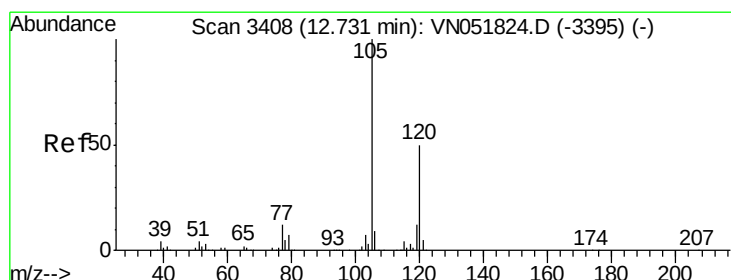
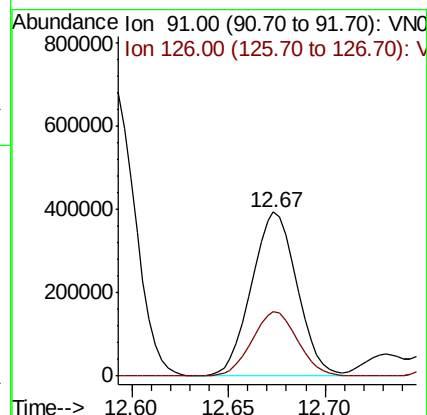
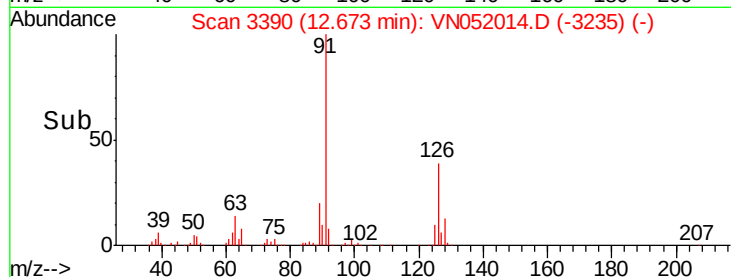
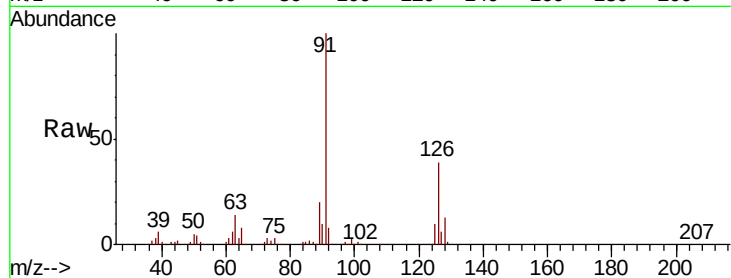
126 39.4 0.0 67.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.892 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052014.D

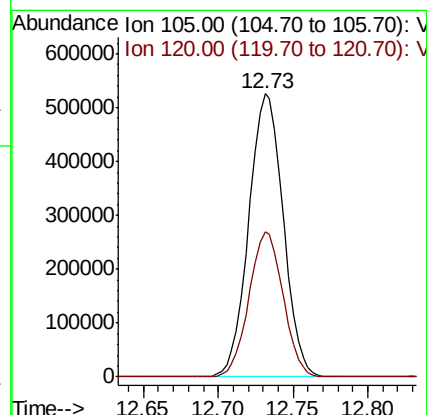
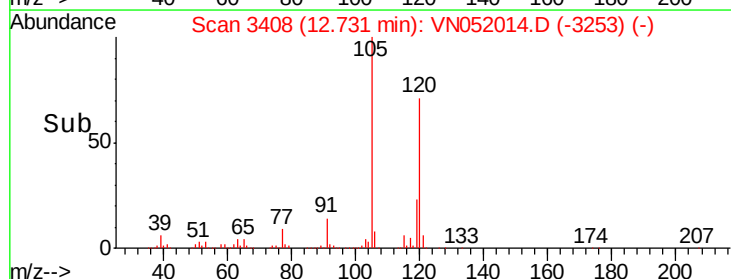
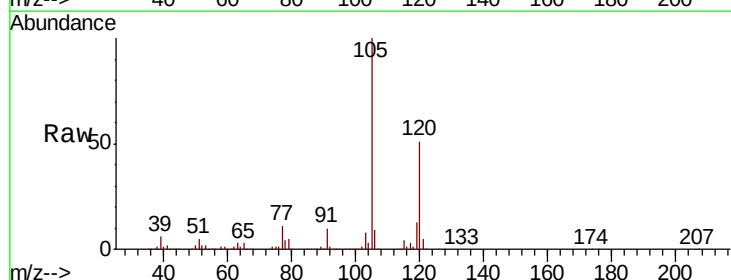
Acq: 25 Oct 2018 16:57

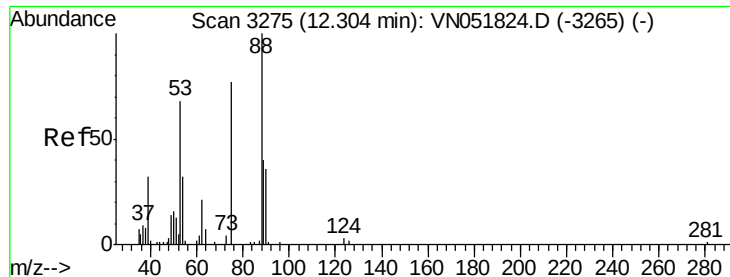
Tgt Ion: 105 Resp: 841470

Ion Ratio Lower Upper

105 100

120 50.8 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 15.345 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

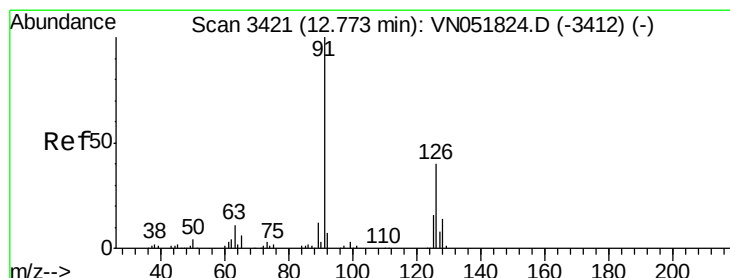
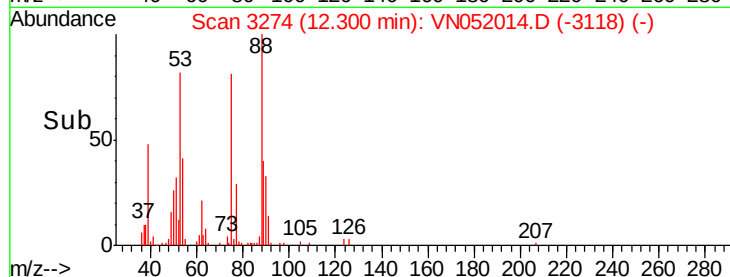
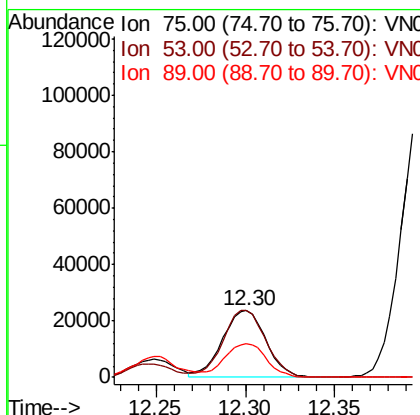
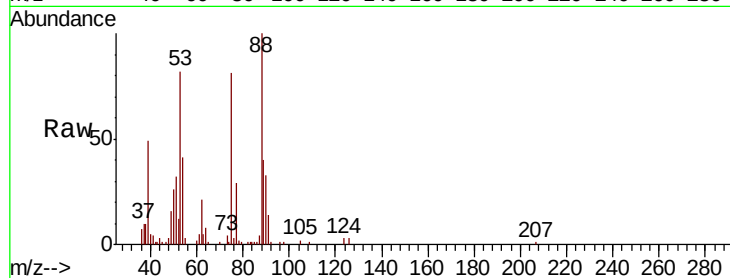
ClientSampleId :

VN1025WBS02

Tot Ion:	75	Resp:	40334
Ion	Ratio	Lower	Upper
75	100		
53	101.3	46.3	138.9
89	50.5	24.6	73.8

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#78

4-Chlorotoluene

Concen: 20.448 ug/l

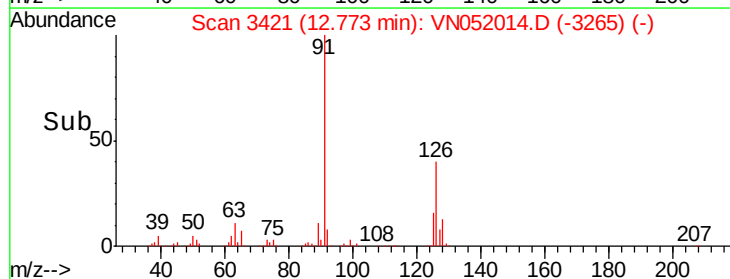
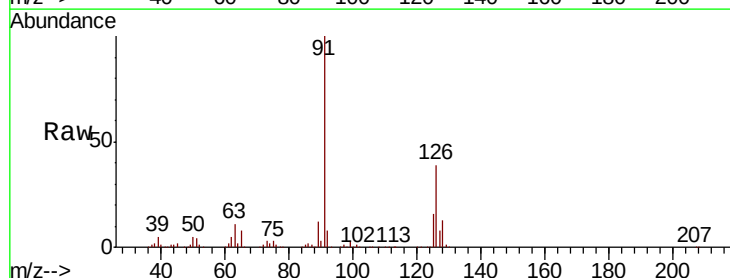
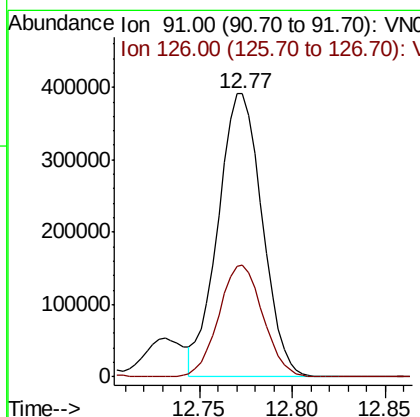
RT: 12.77 min Scan# 3421

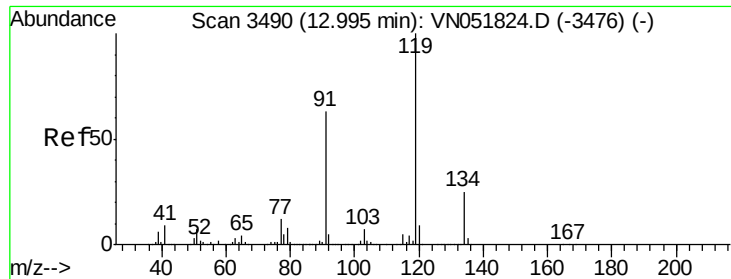
Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion:	91	Resp:	648087
Ion	Ratio	Lower	Upper
91	100		
126	39.4	0.0	65.2





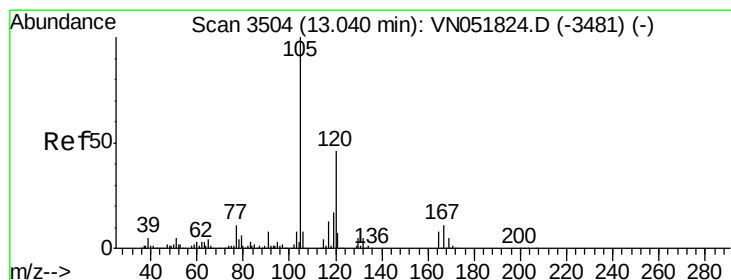
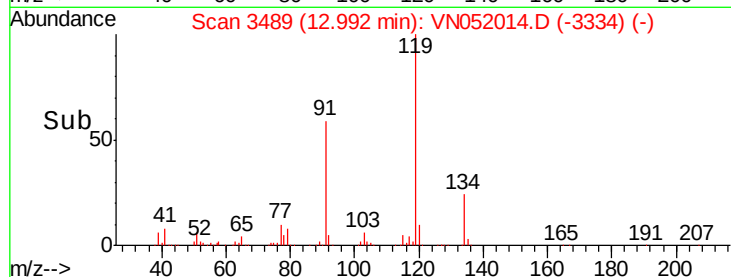
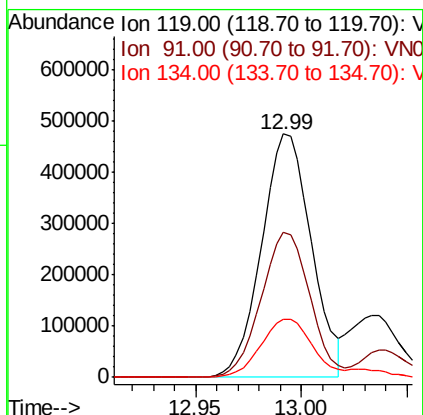
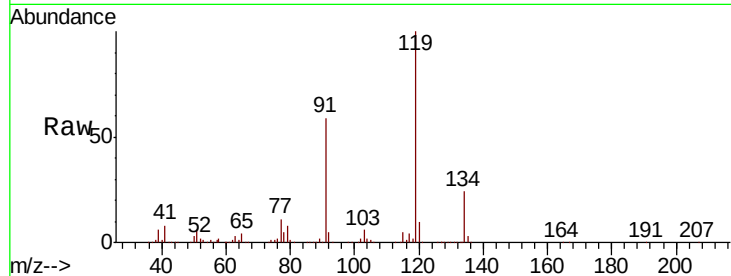
#79
tert-butylbenzene
Concen: 20.061 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	780430		
91	58.4		0.0	131.6
134	24.8		0.0	46.2

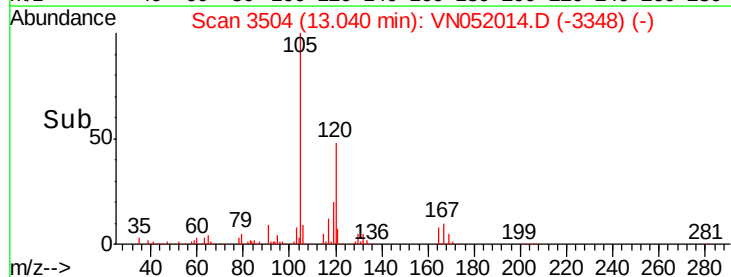
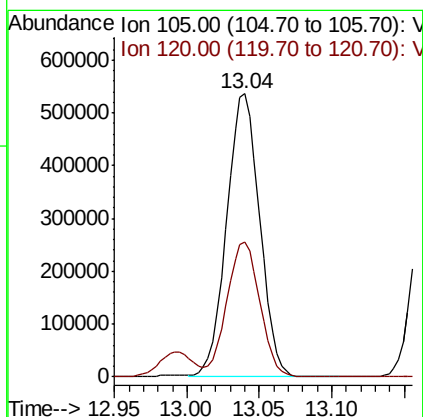
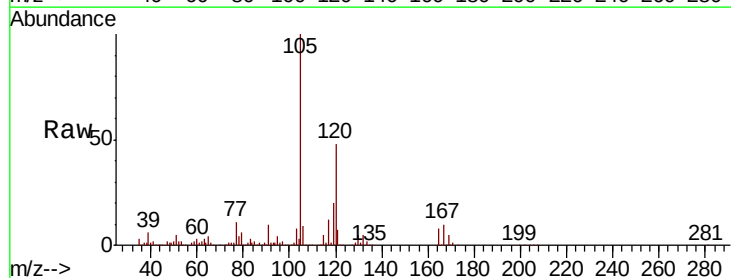
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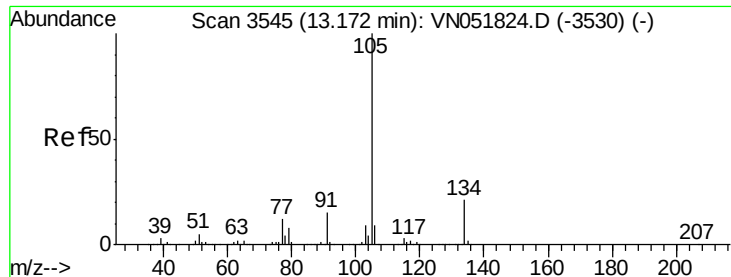
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#80
1,2,4-Trimethylbenzene
Concen: 20.026 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052014.D
Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	846631		
120	47.6		0.0	89.6





#81

sec-Butylbenzene

Concen: 19.764 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS02

Tot Ion:105 Resp: 1005817

Ion Ratio Lower Upper

105 100

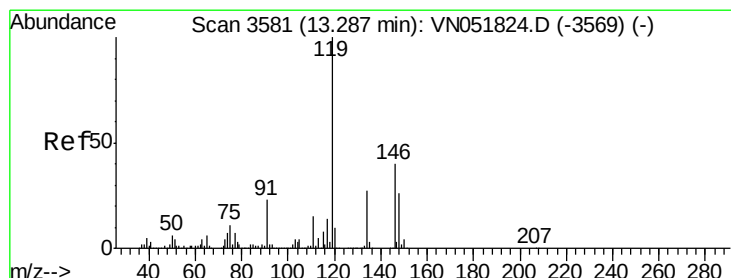
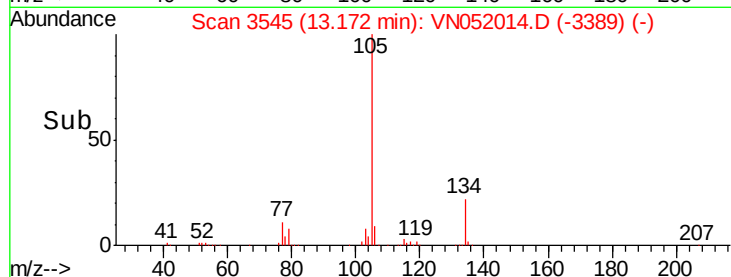
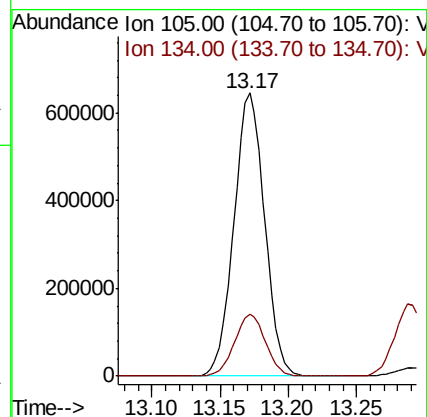
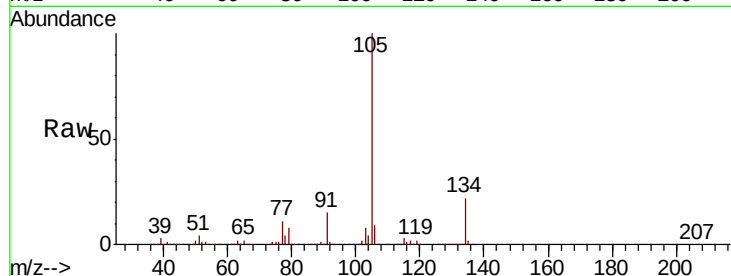
134 22.0 0.0 39.4

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#82

p-Isopropyltoluene

Concen: 19.768 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

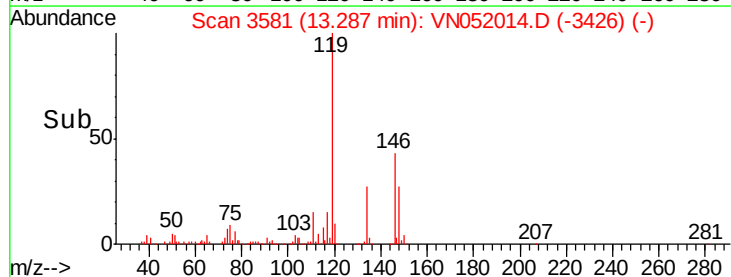
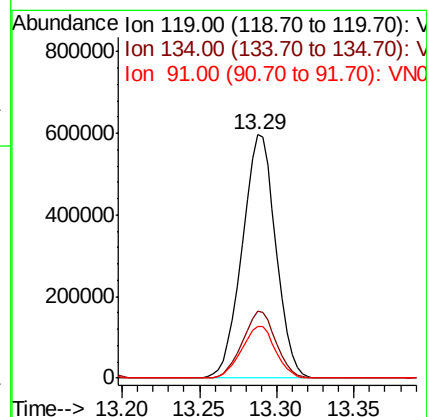
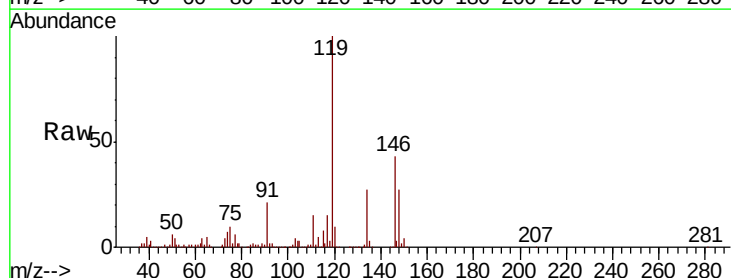
Tgt Ion:119 Resp: 900202

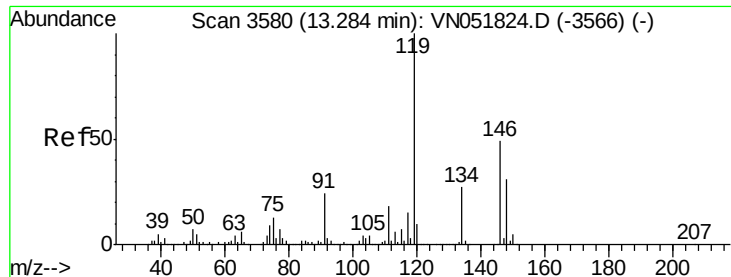
Ion Ratio Lower Upper

119 100

134 27.3 0.0 53.6

91 21.5 0.0 52.0





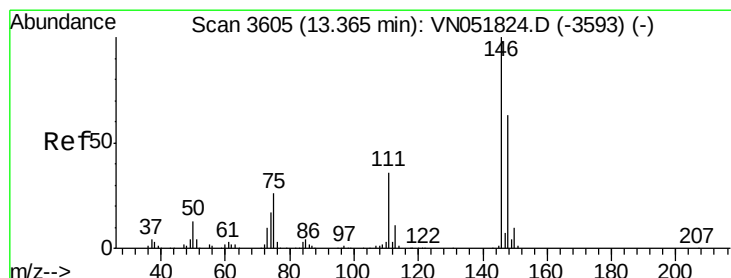
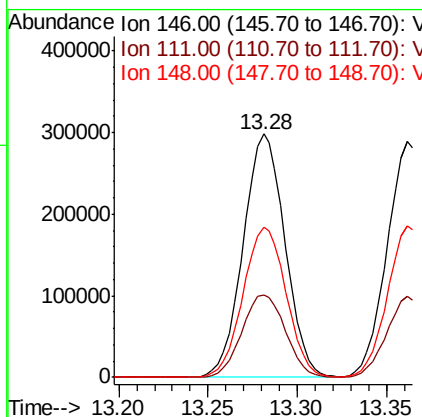
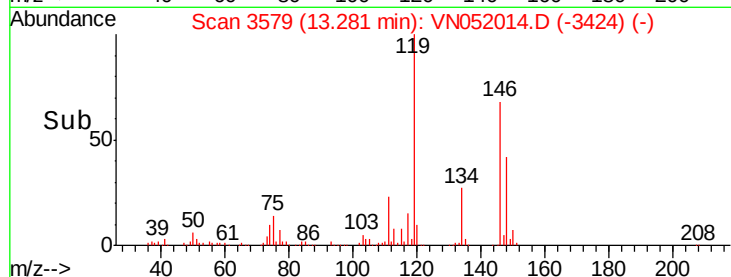
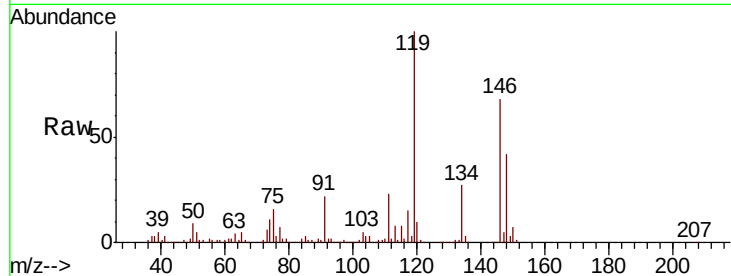
#83
 1,3-Dichlorobenzene
 Concen: 21.870 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	18.1	54.3
148	63.5	31.3	93.8

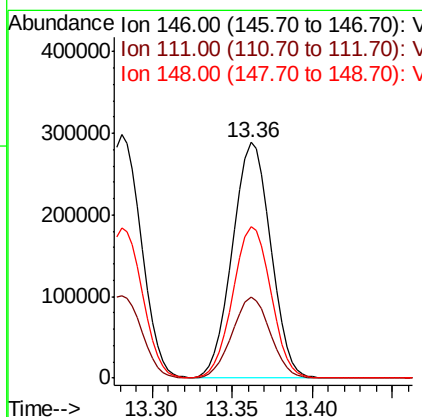
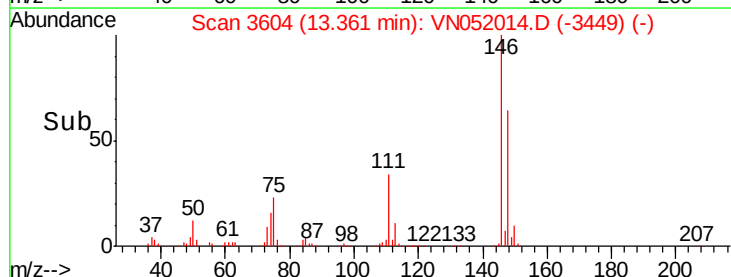
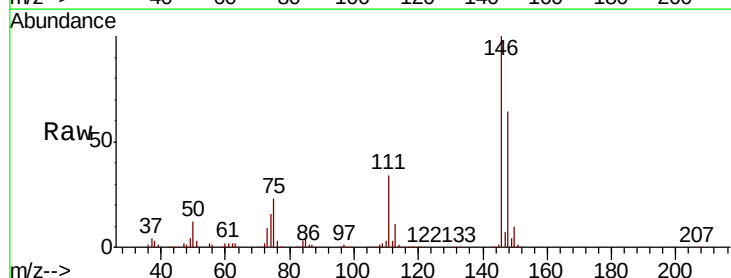
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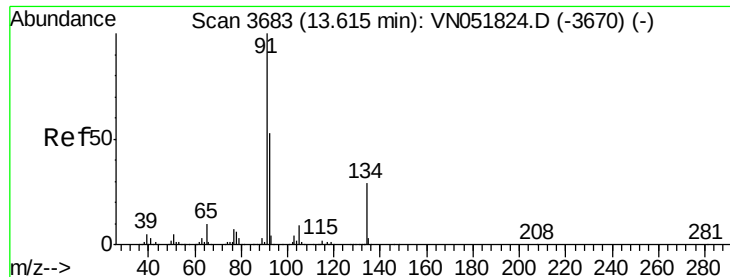
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#84
 1,4-Dichlorobenzene
 Concen: 22.368 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.3	17.4	52.2
148	63.9	32.8	98.3





#85

n-Butylbenzene

Concen: 19.422 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

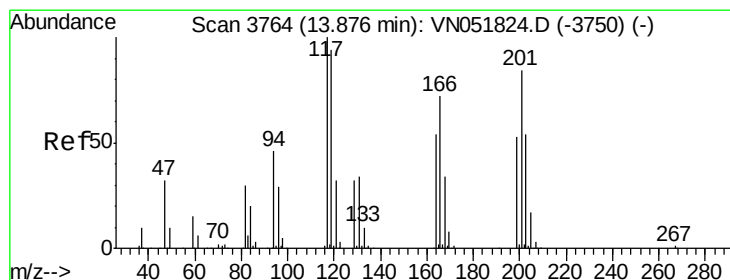
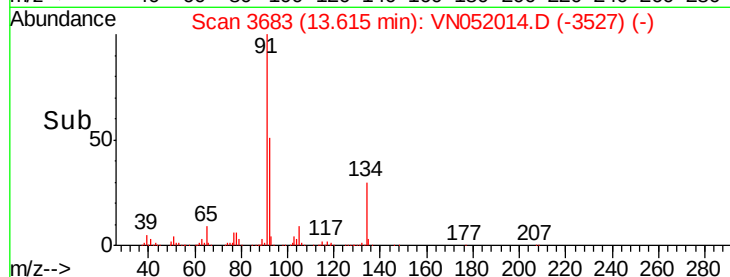
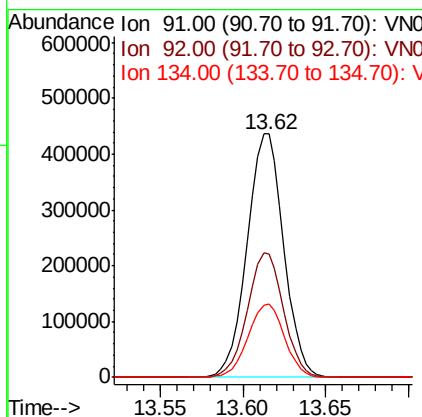
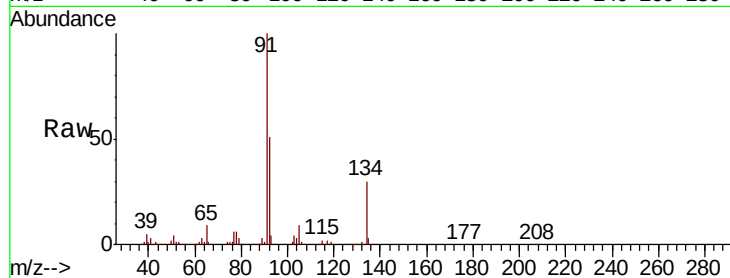
ClientSampleId :

VN1025WBS02

Tot Ion	91	Resp	666941
Ion Ratio	Lower	Upper	
91	100		
92	50.7	0.0	97.4
134	30.0	0.0	49.6

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#86

Hexachloroethane

Concen: 16.525 ug/l

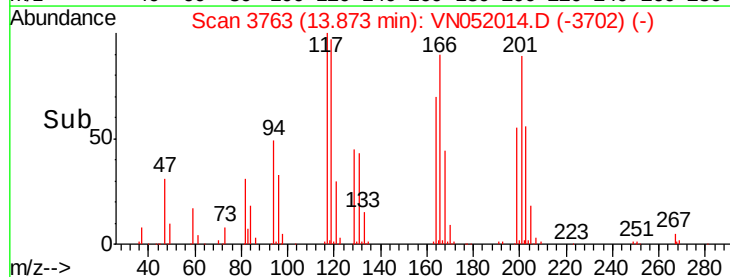
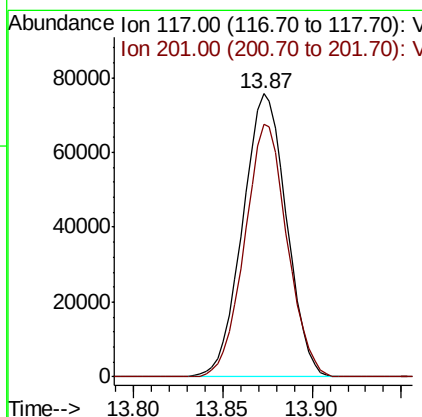
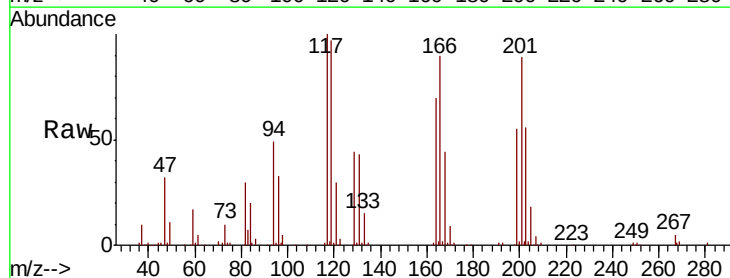
RT: 13.87 min Scan# 3763

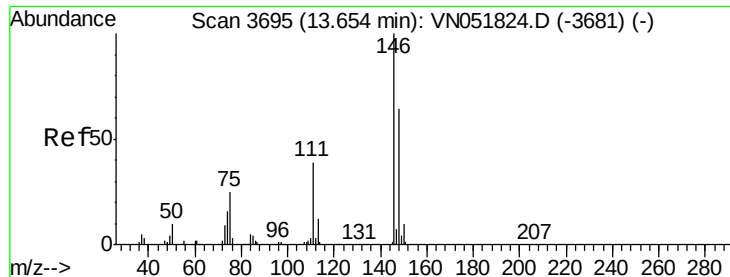
Delta R.T. -0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion	117	Resp	129759
Ion Ratio	Lower	Upper	
117	100		
201	86.7	47.8	143.3





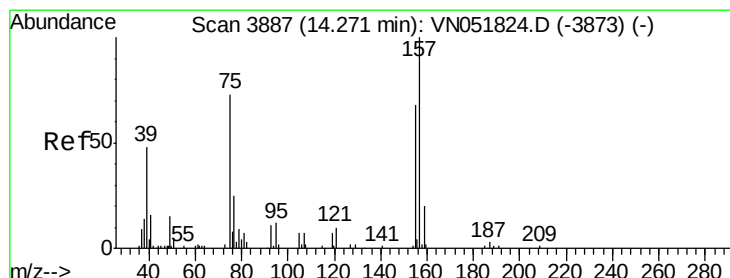
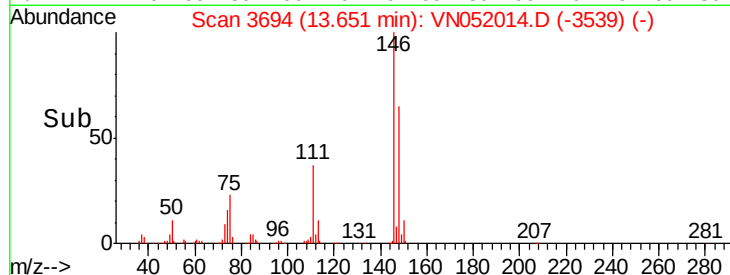
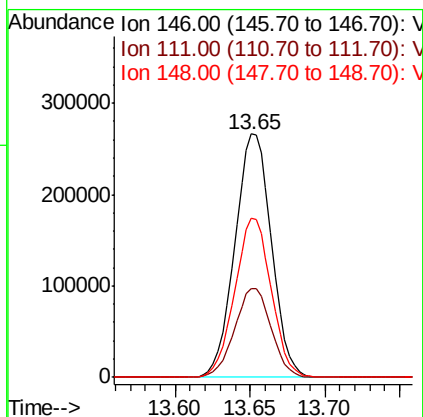
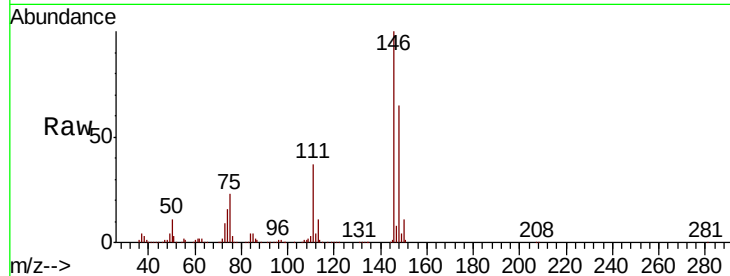
#87
 1,2-Dichlorobenzene
 Concen: 20.866 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	20.8	62.2
148	65.1	33.2	99.6

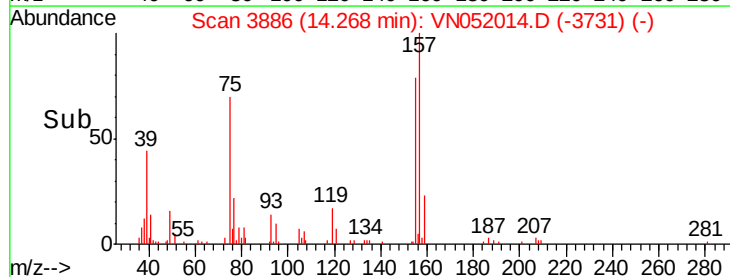
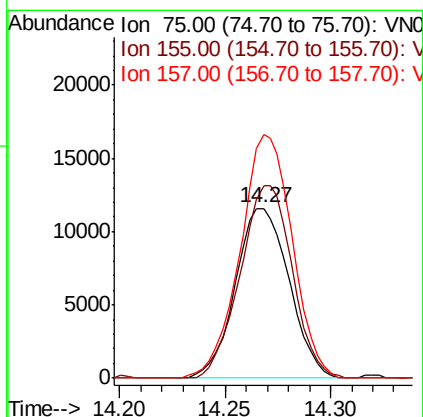
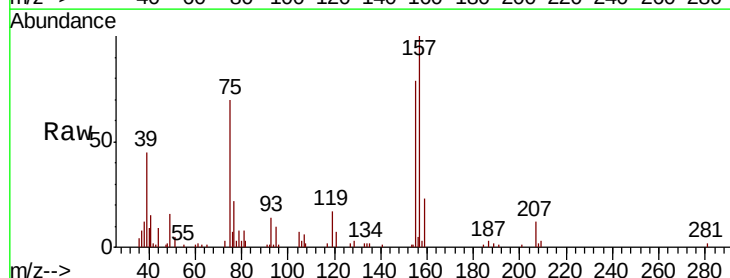
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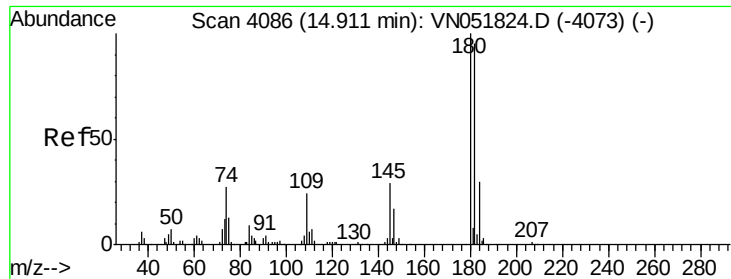
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.551 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.2	57.0	85.6#
157	139.2	87.4	131.0#





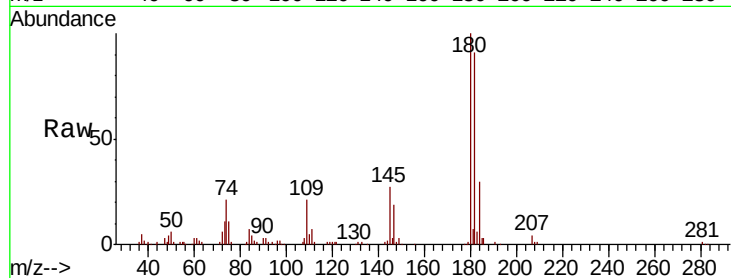
#89
 1,2,4-Trichlorobenzene
 Concen: 19.353 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS02

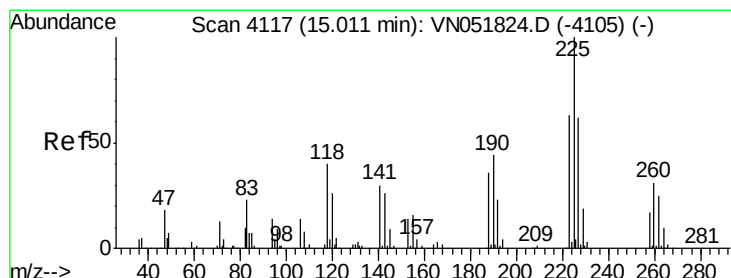
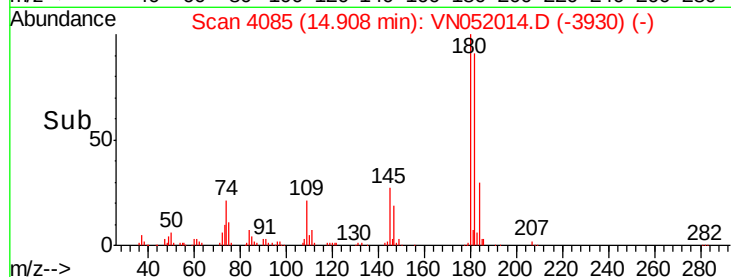
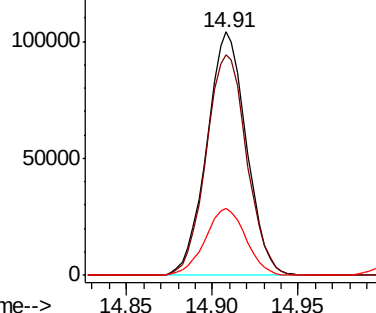
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.7	116.5
145	28.4	23.4	35.2

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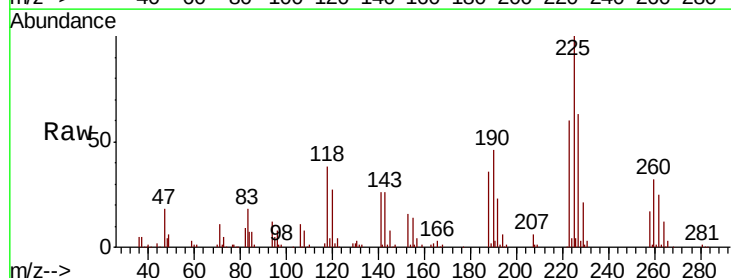


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

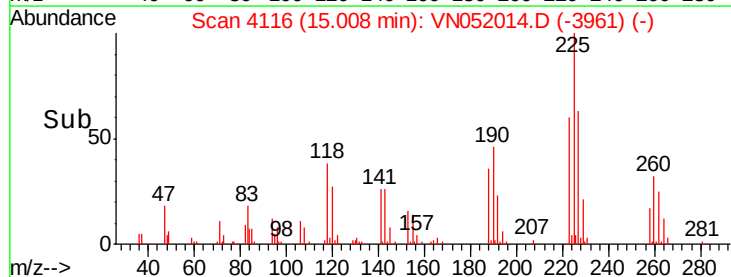
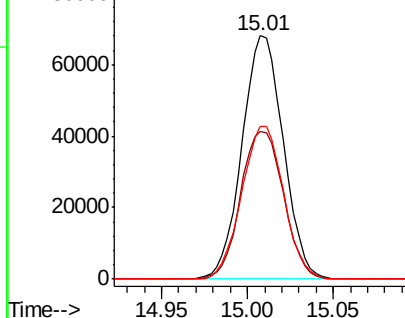


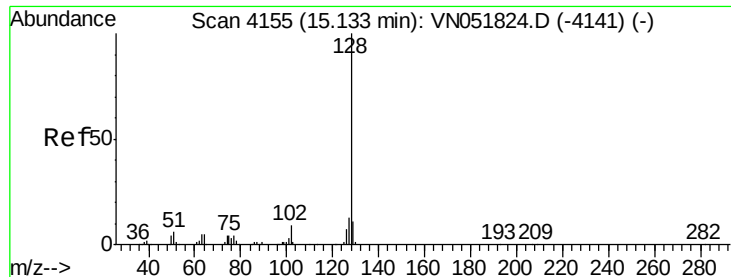
#90
 Hexachlorobutadiene
 Concen: 16.272 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052014.D
 Acq: 25 Oct 2018 16:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	117.0
227	63.7	0.0	127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Instrument :

MSVOA_N

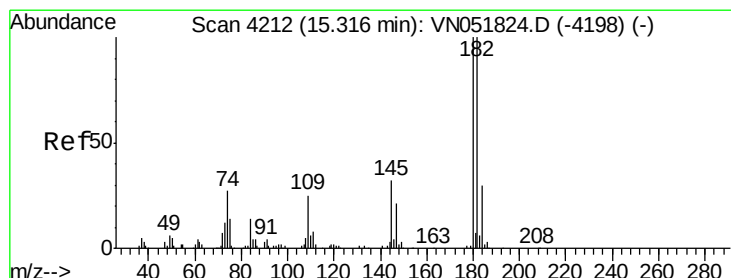
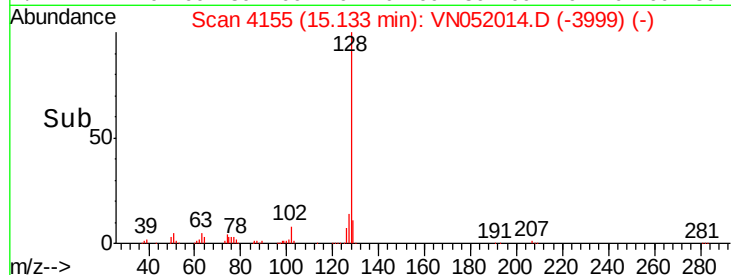
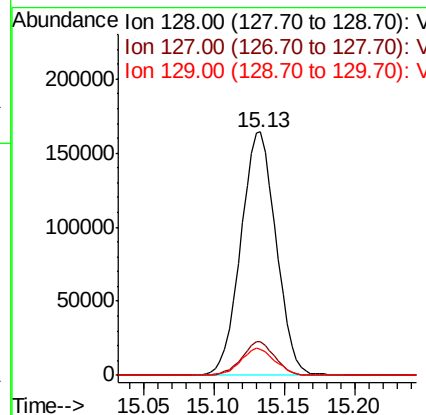
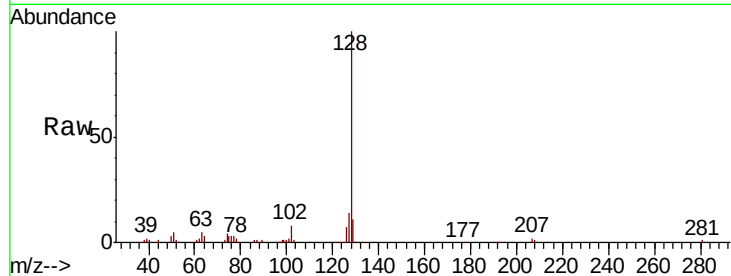
ClientSampleId :

VN1025WBS02

Tot Ion:	128	Resp:	288066
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	10.8	8.4	12.6

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#92

1,2,3-Trichlorobenzene

Concen: 13.368 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052014.D

Acq: 25 Oct 2018 16:57

Tgt Ion:	180	Resp:	131648
Ion Ratio	Lower	Upper	
180	100		
182	93.7	0.0	198.0
145	28.0	0.0	36.8

