

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051983.D
 Acq On : 24 Oct 2018 13:07
 Operator : MD\SY
 Sample : VN1024WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1024WBSD02

Manual Integrations
 APPROVED

apatel
 10/25/2018 9:24:14 AM

Quant Time: Oct 25 01:28:11 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	165762	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	919044	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	822558	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	289721	28.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.73%
60) 4-Bromofluorobenzene	12.40	95	340829	28.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.77%
63) Toluene-d8	10.09	98	1058606	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	135653	21.064	ug/l 97
3) Chloromethane	2.06	50	121676	17.877	ug/l 96
4) Vinyl Chloride	2.19	62	153087	15.062	ug/l 100
5) Bromomethane	2.57	94	157717	17.562	ug/l 84
6) Chloroethane	2.71	64	112461	15.353	ug/l 96
7) Trichlorofluoromethane	3.02	101	286721	19.786	ug/l 98
8) Diethyl Ether	3.42	74	83482	19.790	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175011	21.207	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	153470	20.109	ug/l # 81
11) Methyl Iodide	3.96	142	255880	23.064	ug/l 92
12) Methyl Acetate	4.33	43	92976	19.619	ug/l 100
13) Acrolein	3.61	56	8035	25.733	ug/l # 53
14) Acrylonitrile	4.99	53	192971	91.106	ug/l # 61
15) Acetone	3.82	58	45234	86.391	ug/l 94
16) Carbon Disulfide	4.06	76	340988	17.013	ug/l 100
17) Allyl chloride	4.33	41	142442	15.721	ug/l 73
18) Methylene Chloride	4.56	84	178850	20.959	ug/l # 84
19) trans-1,2-Dichloroethene	5.05	96	171082	19.632	ug/l # 80
20) Diisopropyl ether	5.95	45	371608	18.415	ug/l # 83
21) 1,1-Dichloroethane	5.85	63	263448	18.684	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	202653	19.799	ug/l # 78
23) tert-Butyl Alcohol	4.78	59	34186m	61.283	ug/l
24) Methyl tert-Butyl Ether	5.05	73	400925	18.234	ug/l # 67
25) Chloroform	7.37	83	329347	19.688	ug/l 99
26) Cyclohexane	7.65	56	210636	17.621	ug/l # 65
29) 1,1-Dichloropropene	7.80	75	226425	19.113	ug/l 93
30) 2-Butanone	6.84	43	203290	82.102	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	235553	16.902	ug/l # 74
32) 1,1,1-Trichloroethane	7.57	97	297569	18.946	ug/l 94
33) Carbon Tetrachloride	7.78	117	263430	18.539	ug/l 93
34) Benzene	8.04	78	697383	19.901	ug/l # 65
35) Methacrylonitrile	7.17	41	36986	11.369	ug/l # 72
36) 1,2-Dichloroethane	8.13	62	217673	19.386	ug/l 96
37) Trichloroethene	8.84	130	219605	20.188	ug/l 95
38) Methylcyclohexane	9.08	83	275781	18.150	ug/l 77
39) 1,2-Dichloropropane	9.12	63	160491	19.448	ug/l 96
40) Dibromomethane	9.21	93	120620	19.694	ug/l 92

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	230747	18.239	ug/l	94
42) Vinyl Acetate	5.90	43	1222572	87.711	ug/l #	89
43) Ethyl Acetate	6.93	43	93167	17.329	ug/l	96
44) Isopropyl Acetate	8.17	43	183438	17.082	ug/l	97
45) 1,4-Dioxane	9.20	88	23503	272.567	ug/l #	75
46) Methyl methacrylate	9.20	41	87373	17.639	ug/l	72
47) n-amyl Acetate	12.07	43	172761	19.217	ug/l #	72
48) t-1,3-Dichloropropene	10.38	75	209125	16.951	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	245123	18.024	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	169729	20.057	ug/l	92
51) Ethyl methacrylate	10.43	69	180105	18.590	ug/l	86
52) 1,3-Dichloropropane	10.71	76	250808	19.203	ug/l	99
53) Dibromochloromethane	10.90	129	176989	16.906	ug/l	95
54) 1,2-Dibromoethane	11.01	107	168901	19.015	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	477912	115.389	ug/l #	90
56) Bromoform	12.13	173	97042	14.055	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	493243	89.607	ug/l #	85
59) 2-Hexanone	10.75	43	324220	87.307	ug/l #	89
61) Tetrachloroethene	10.63	164	204589	19.449	ug/l	98
62) Toluene	10.16	91	819544	20.056	ug/l	99
64) Chlorobenzene	11.43	112	545069	20.367	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	195980	19.079	ug/l	99
66) Ethyl Benzene	11.51	91	882295	19.536	ug/l	98
67) m/p-Xylenes	11.62	106	717549	39.189	ug/l	95
68) o-Xylene	11.95	106	346477	19.195	ug/l	87
69) Styrene	11.96	104	540090	19.502	ug/l	95
70) Isopropylbenzene	12.25	105	922336	19.162	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	159068	16.734	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	144968m	19.386	ug/l	
73) Bromobenzene	12.53	156	234941	19.705	ug/l	79
74) n-propylbenzene	12.59	91	988673	19.095	ug/l	94
75) 2-Chlorotoluene	12.67	91	569523	18.763	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	724277	18.196	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	32071	12.967	ug/l	86
78) 4-Chlorotoluene	12.77	91	576476	19.330	ug/l	90
79) tert-butylbenzene	12.99	119	664463	18.152	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	718647	18.065	ug/l	95
81) sec-Butylbenzene	13.17	105	873579	18.243	ug/l	97
82) p-Isopropyltoluene	13.29	119	770596	17.984	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	400883	19.055	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	387268	19.554	ug/l	98
85) n-Butylbenzene	13.61	91	572923	17.731	ug/l	94
86) Hexachloroethane	13.88	117	102396	13.859	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	360842	17.717	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17251	12.152	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	117200	16.446	ug/l	100
90) Hexachlorobutadiene	15.01	225	86952	13.248	ug/l	97
91) Naphthalene	15.13	128	220948	16.465	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	89117	9.617	ug/l	95

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ClientSampleId :
VN1024WBSD02

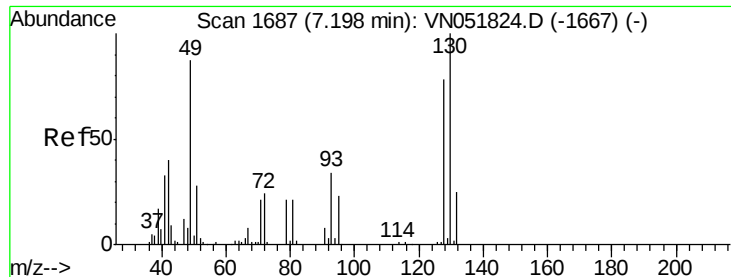
Manual Integrations
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QLast Update : Fri Oct 12 10:23:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range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



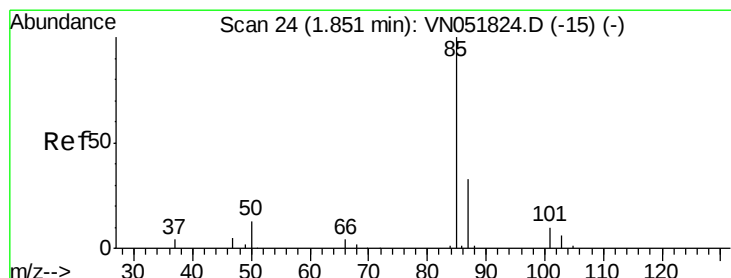
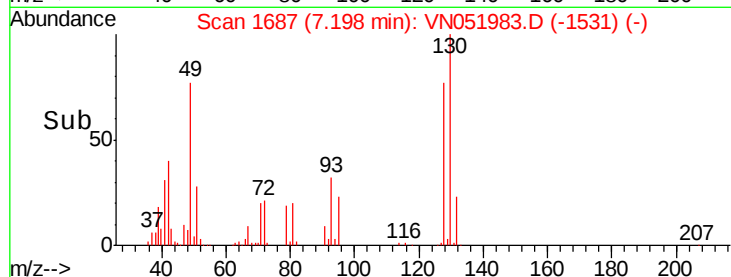
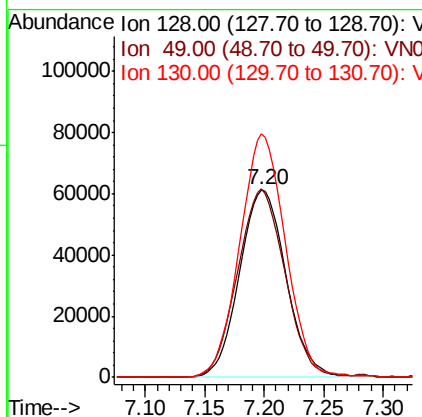
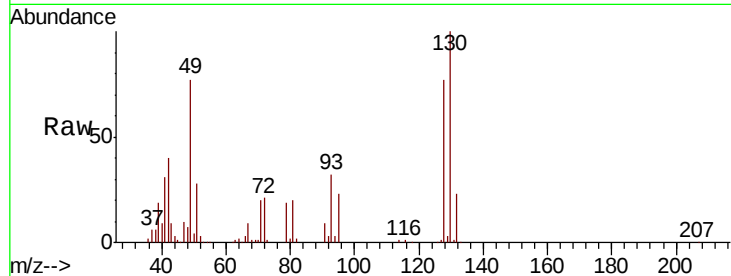
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
49	102.2	0.0	403.3
130	127.9	0.0	326.0

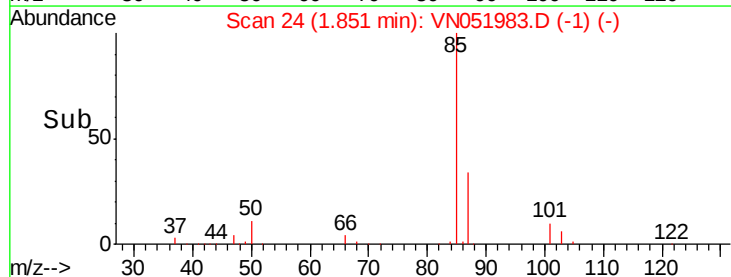
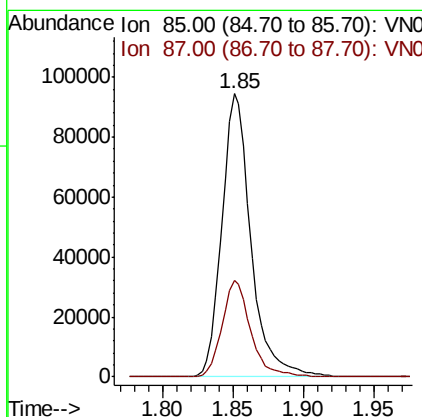
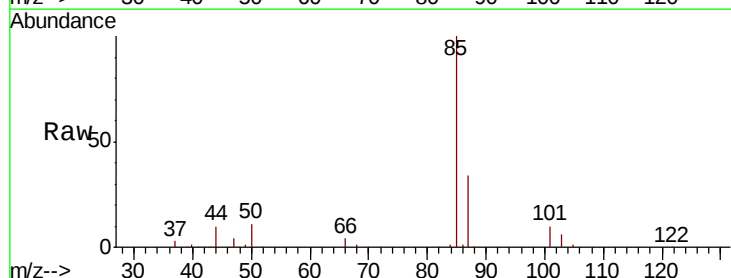
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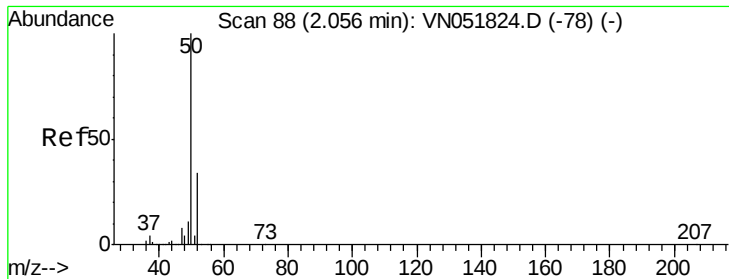
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#2
Dichlorodifluoromethane
Concen: 21.064 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.3	48.8





#3

Chloromethane

Concen: 17.877 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion: 50 Resp: 121676

Ion Ratio Lower Upper

50 100

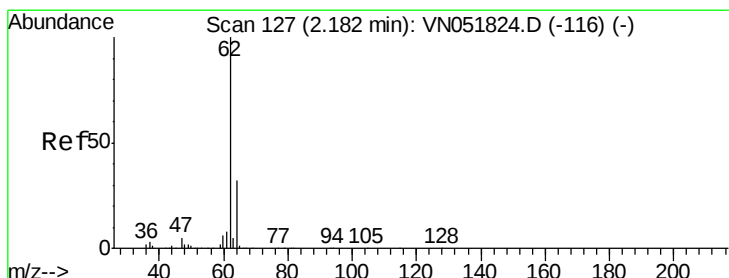
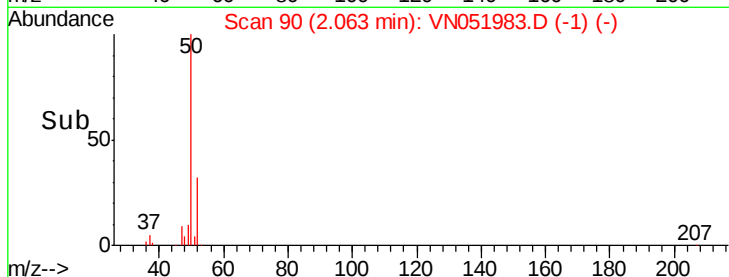
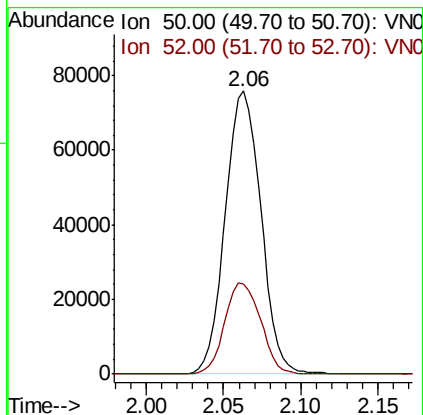
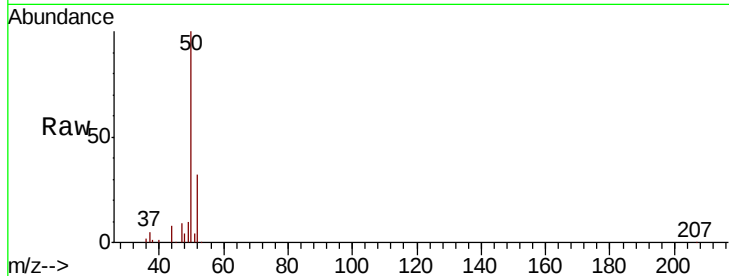
52 32.0 27.2 40.8

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#4

Vinyl Chloride

Concen: 15.062 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051983.D

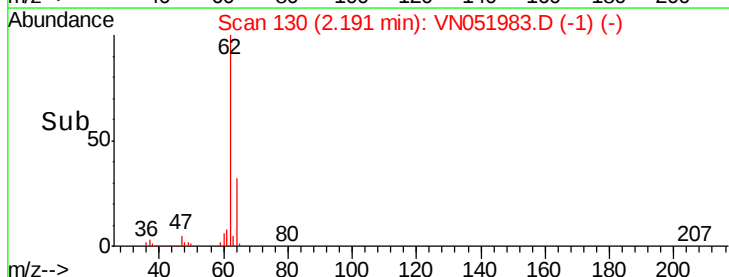
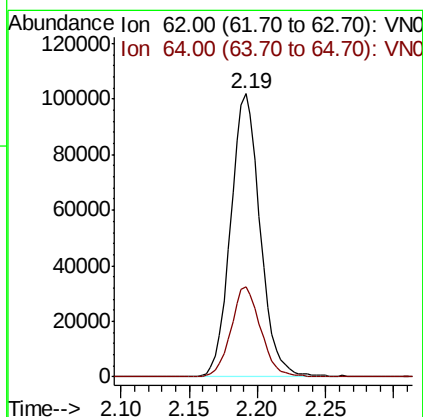
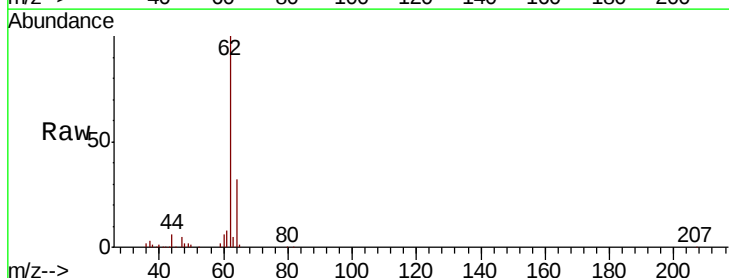
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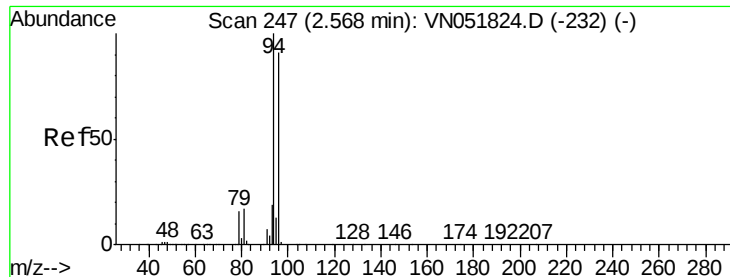
Tgt Ion: 62 Resp: 153087

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 17.562 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion: 94 Resp: 157717

Ion Ratio Lower Upper

94 100

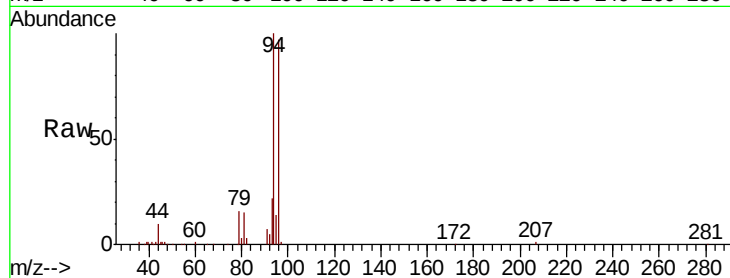
96 97.5 66.4 99.6

Manual Integrations

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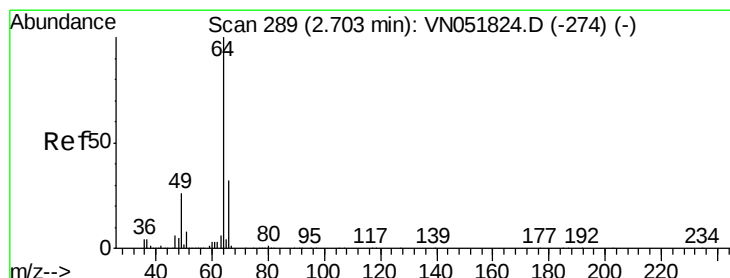
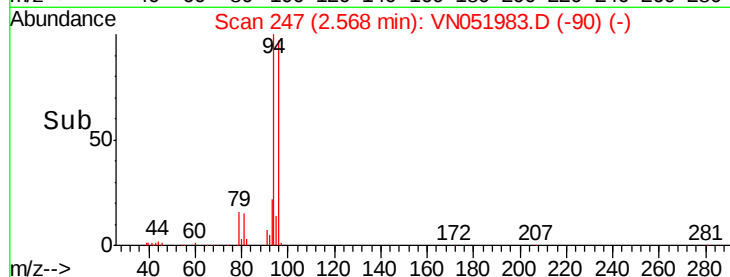
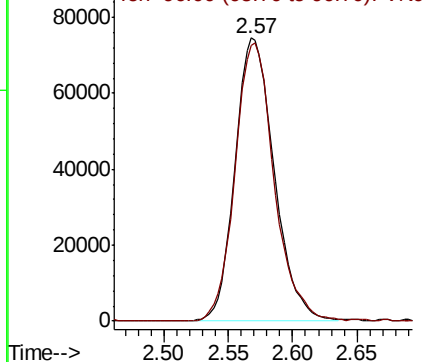
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 15.353 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN051983.D

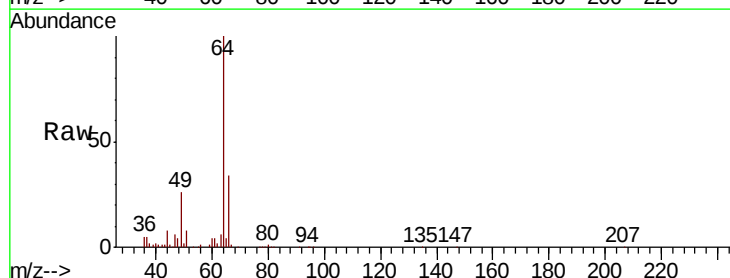
Acq: 24 Oct 2018 13:07

Tgt Ion: 64 Resp: 112461

Ion Ratio Lower Upper

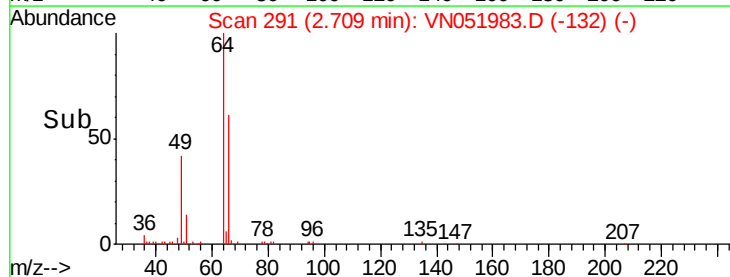
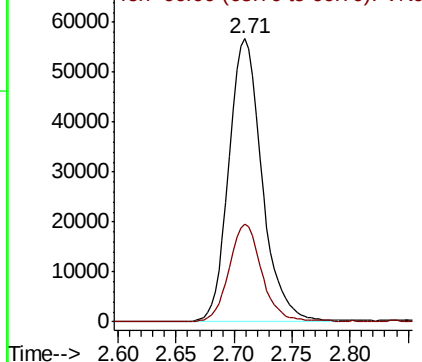
64 100

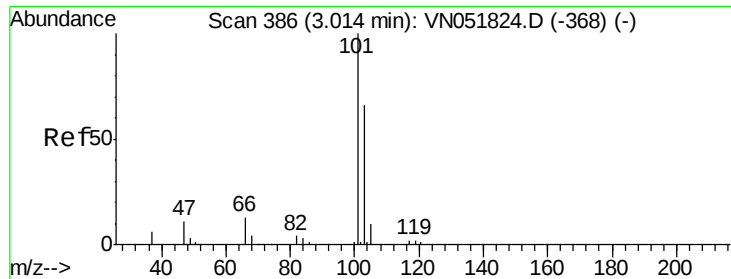
66 34.5 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

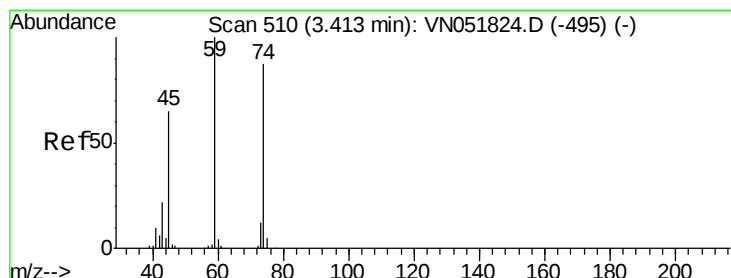
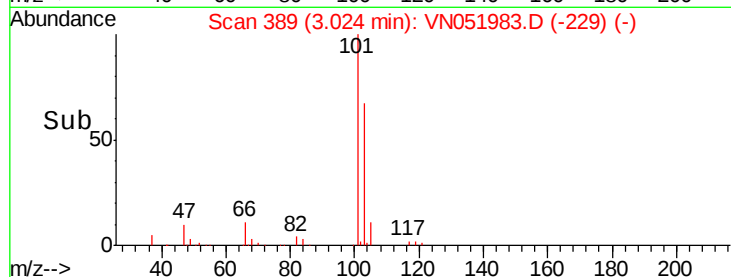
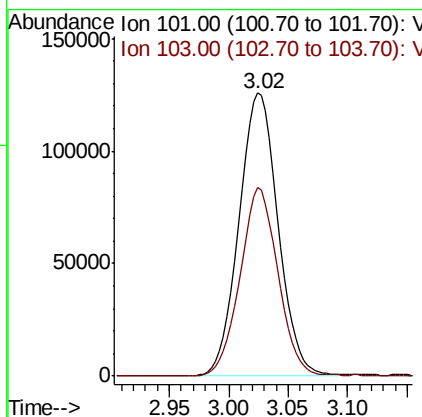
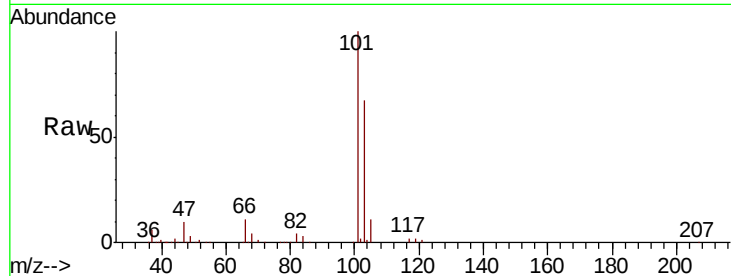
Trichlorofluoromethane
 Concen: 19.786 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
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 ClientSampleId :
 VN1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	286721		
103	66.7	54.8	82.2	

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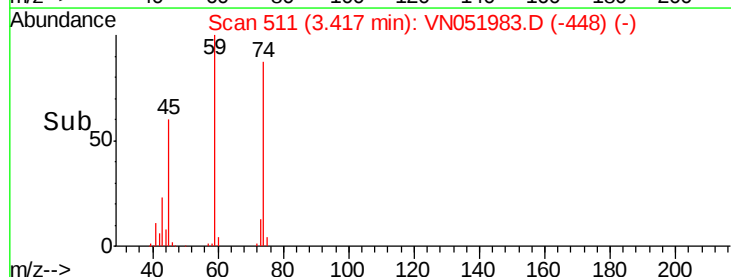
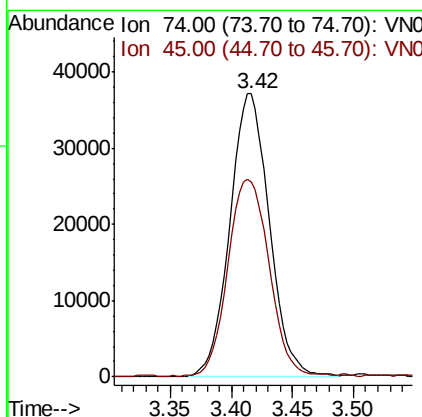
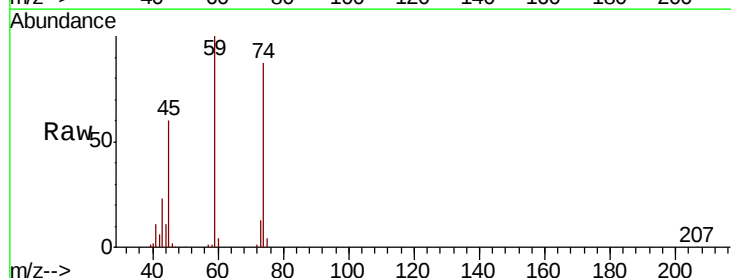
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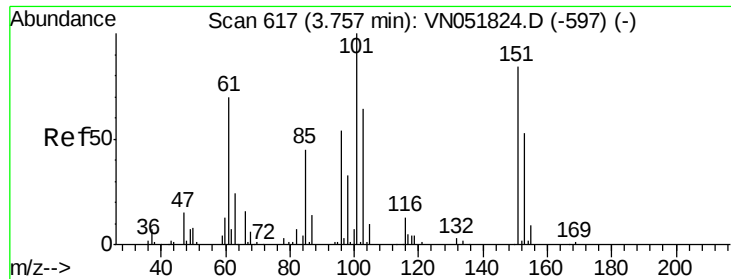


#8

Diethyl Ether
 Concen: 19.790 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	83482		
45	73.1	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.207 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

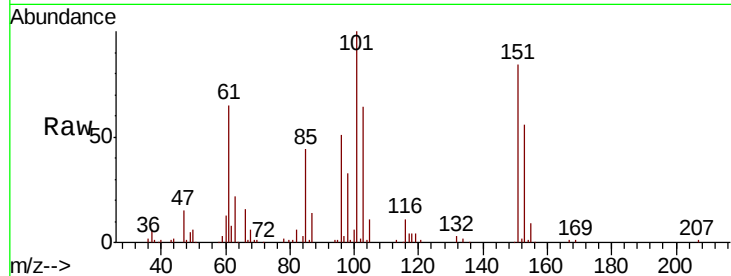
ClientSampleId :

VN1024WBSD02

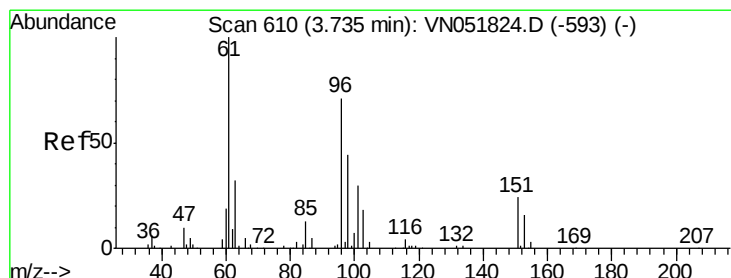
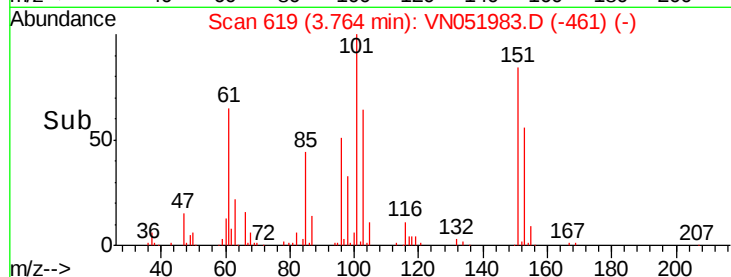
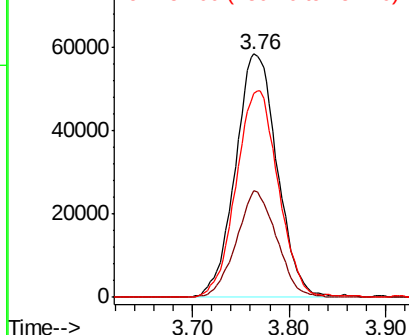
Tot Ion	Ratio	Resp	Lower	Upper
101	100	175011		
85	42.1	0.0	46.0	
151	85.5	0.0	82.2#	

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VN
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.109 ug/l

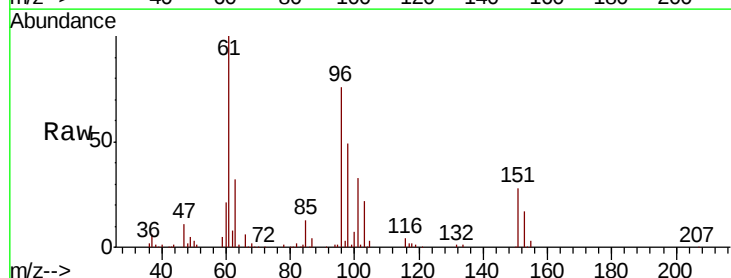
RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

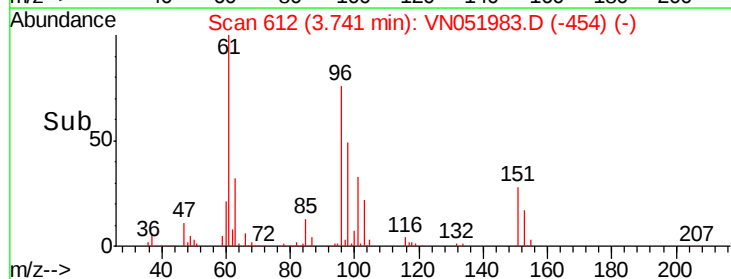
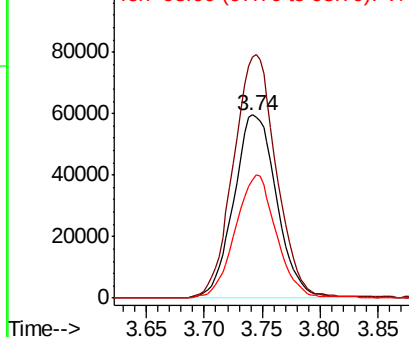
Lab File: VN051983.D

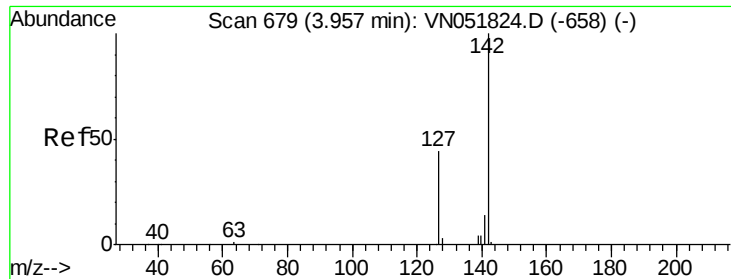
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	153470		
61	130.9	133.0	199.6#	
98	64.7	52.6	78.8	



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): VN
Ion 98.00 (97.70 to 98.70): VN





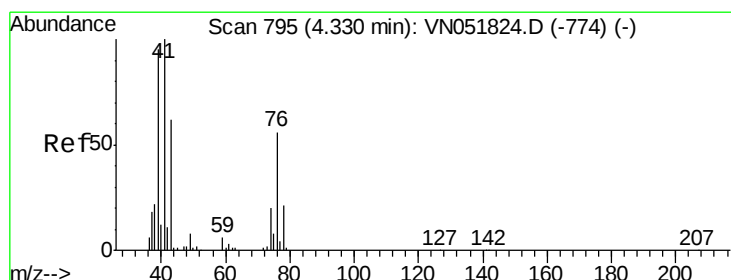
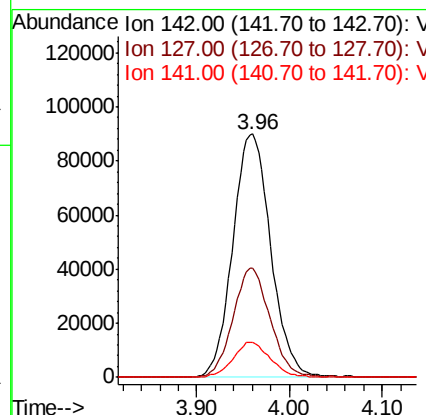
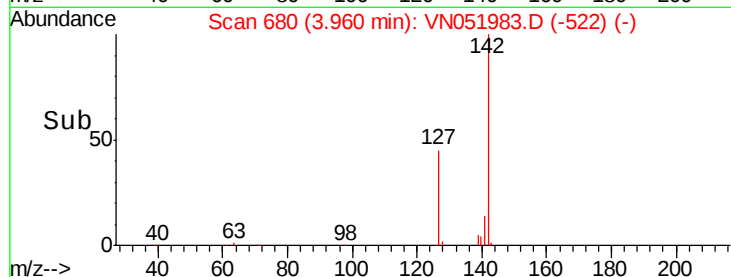
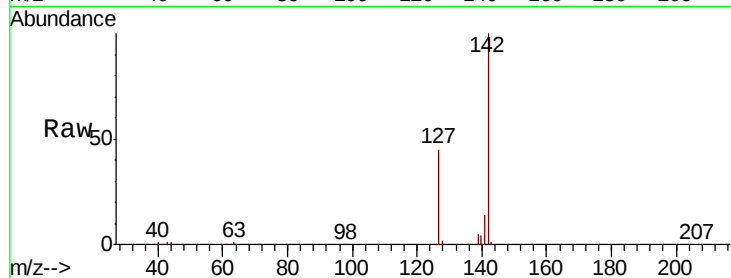
#11
Methvl Iodide
Concen: 23.064 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.0	19.7	59.0
141	14.3	6.3	18.9

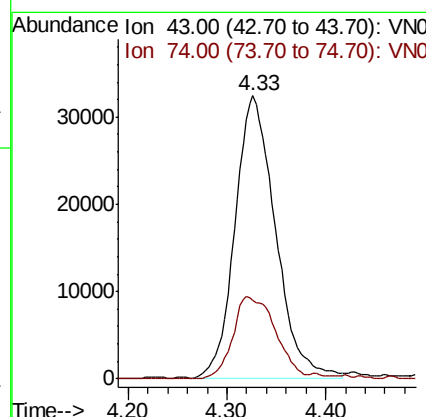
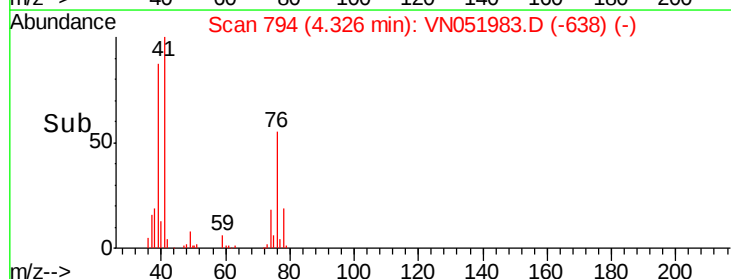
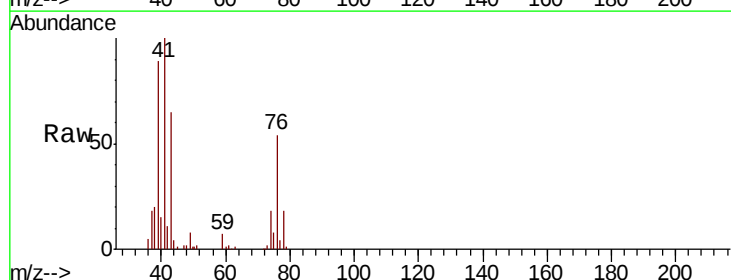
Manual Integrations
APPROVED

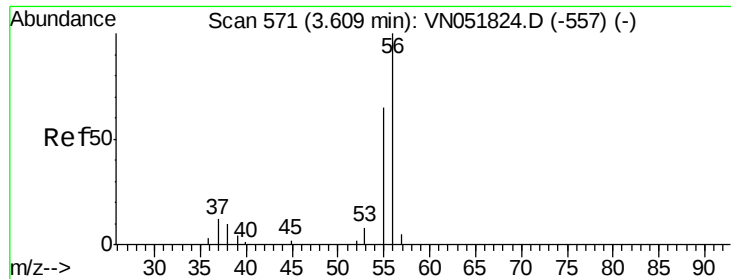
apatel
10/25/2018 9:24:14 AM



#12
Methyl Acetate
Concen: 19.619 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	21.8	32.6





#13

Acrolein

Concen: 25.733 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion: 56 Resp: 8035

Ion Ratio Lower Upper

56 100

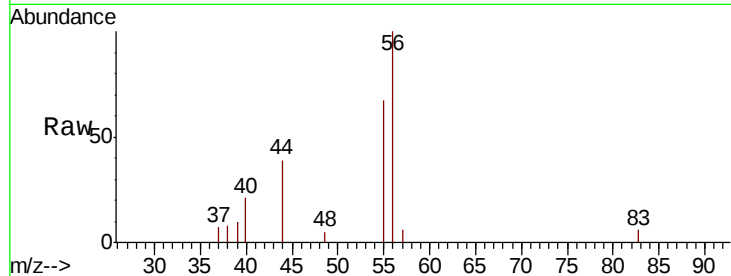
55 38.2 64.0 96.0#

Manual Integrations

APPROVED

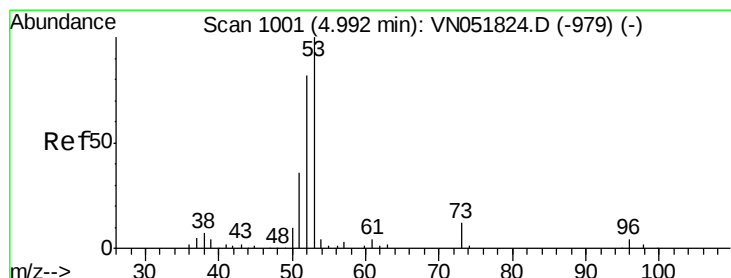
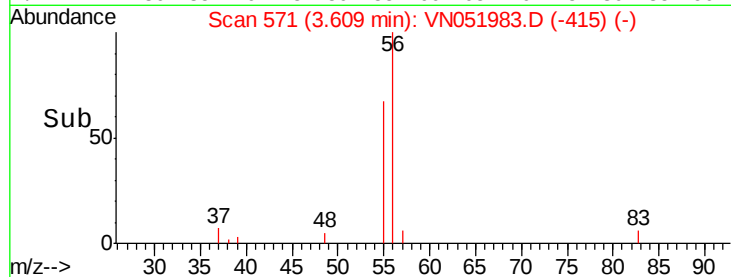
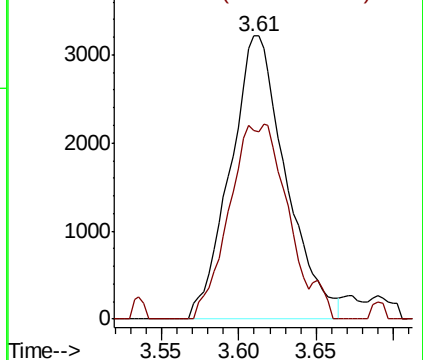
apatel

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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: 91.106 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

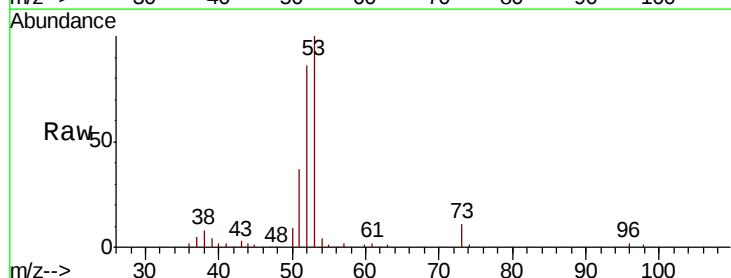
Tgt Ion: 53 Resp: 192971

Ion Ratio Lower Upper

53 100

52 81.3 18.3 54.8#

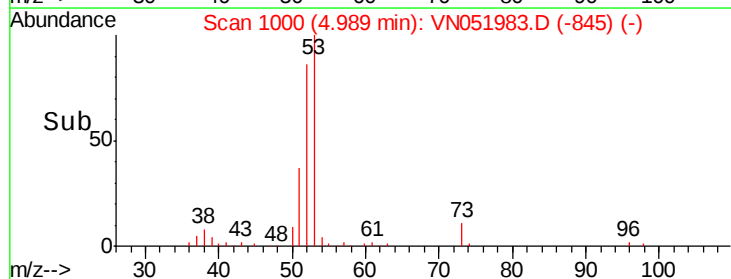
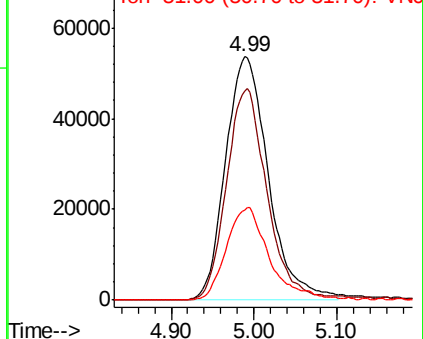
51 36.6 19.7 59.1

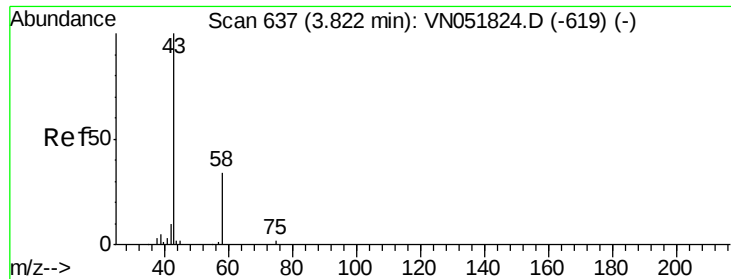


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





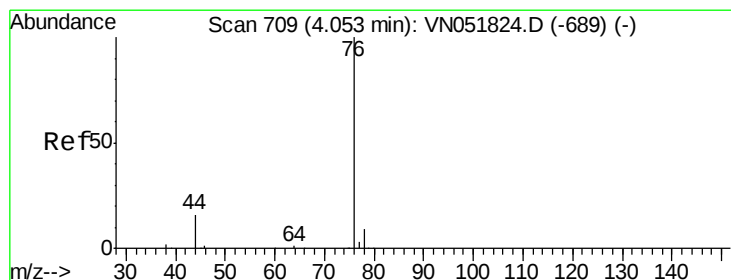
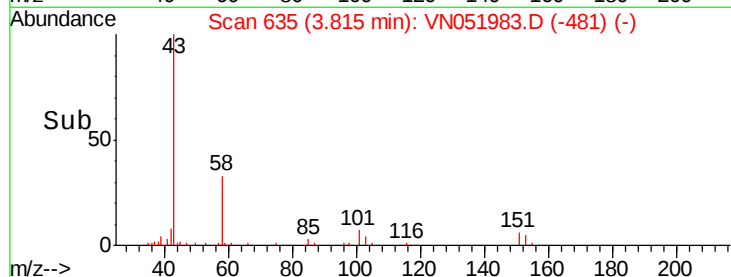
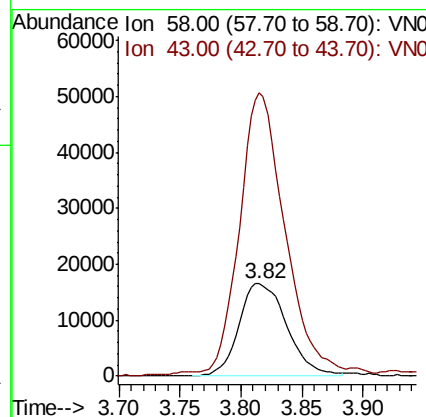
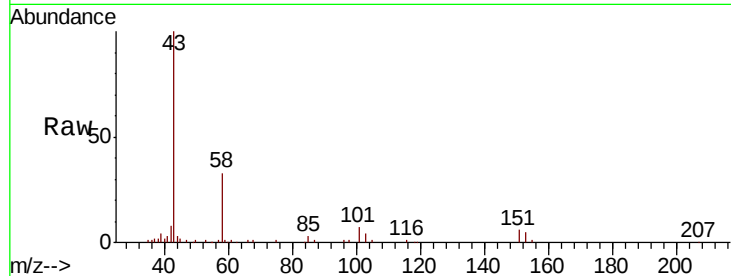
#15
Acetone
Concen: 86.391 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.01 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion: 58 Resp: 45234
Ion Ratio Lower Upper
58 100
43 301.1 232.2 348.2

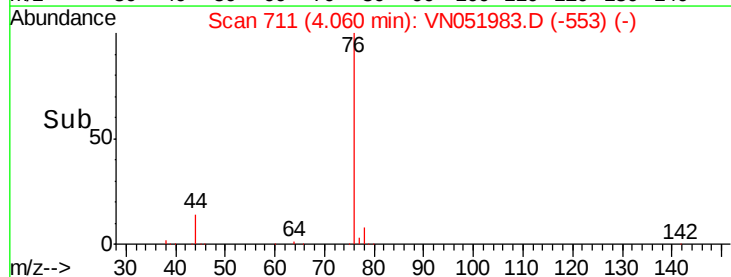
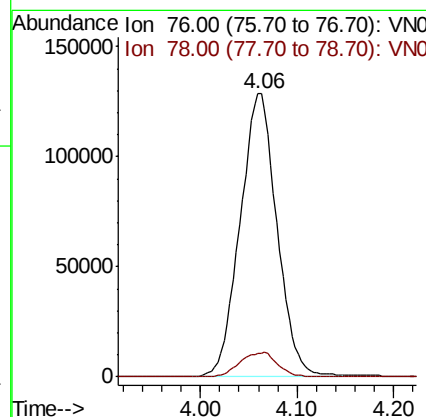
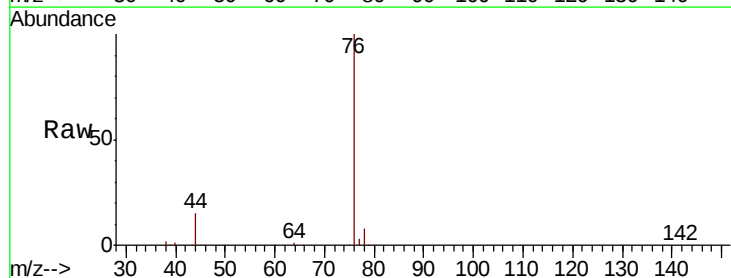
Manual Integrations
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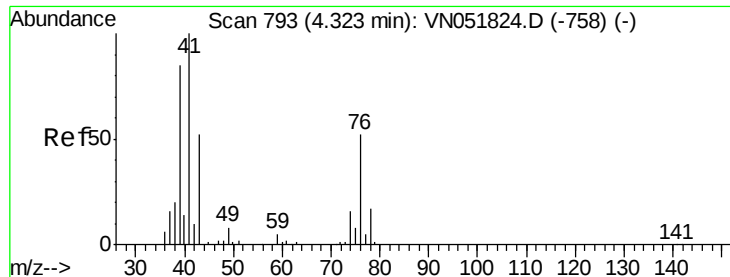
apatel
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#16
Carbon Disulfide
Concen: 17.013 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.01 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 76 Resp: 340988
Ion Ratio Lower Upper
76 100
78 8.3 6.7 10.1





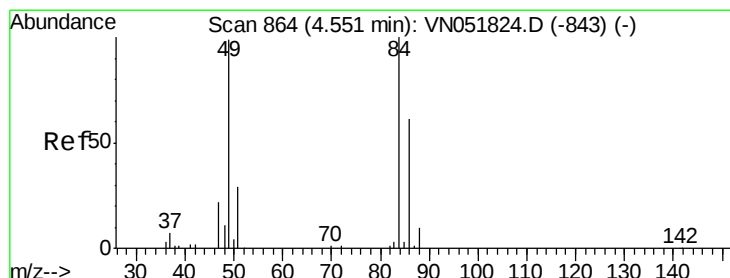
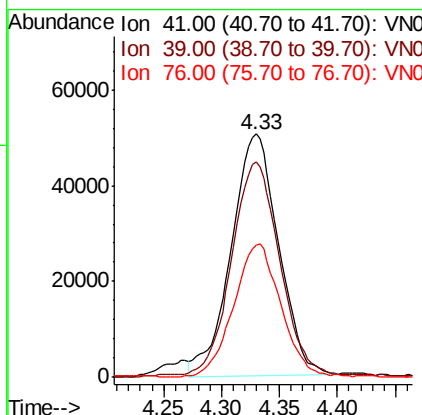
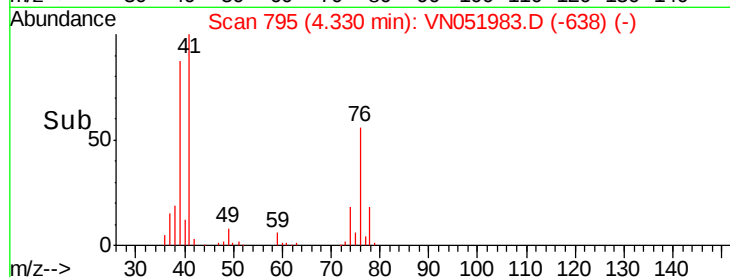
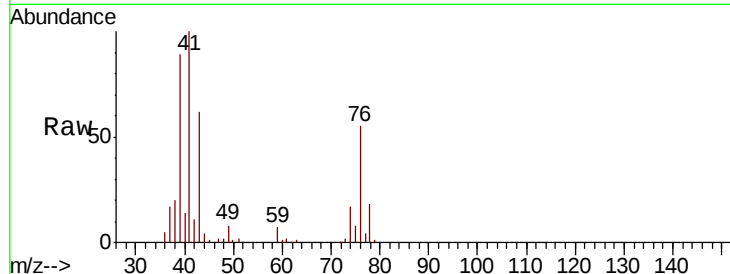
#17
Allvl chloride
Concen: 15.721 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion:	41	Resp:	142442
Ion	Ratio	Lower	Upper
41	100		
39	88.7	32.6	97.8
76	54.6	20.2	60.5

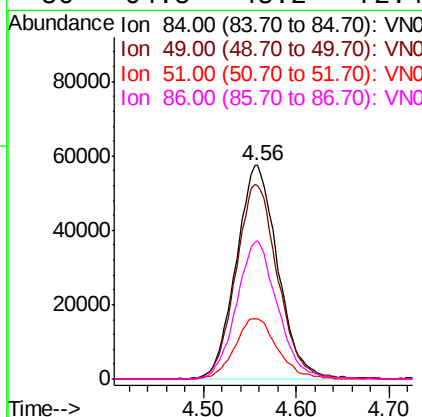
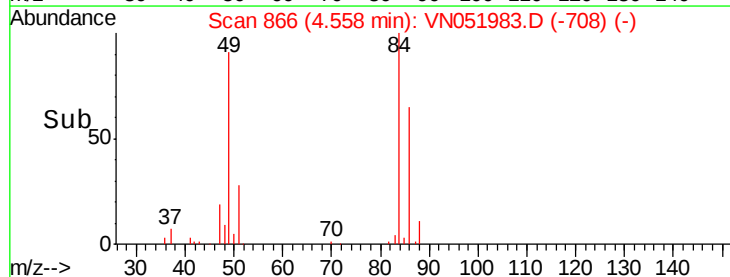
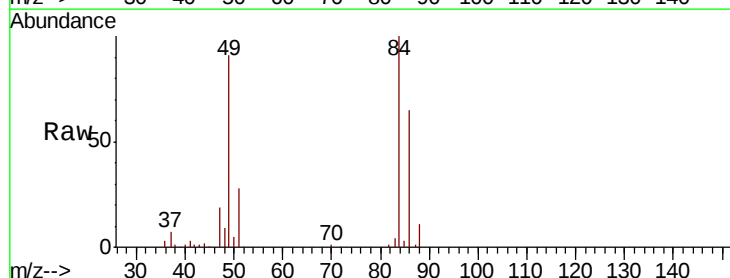
Manual Integrations
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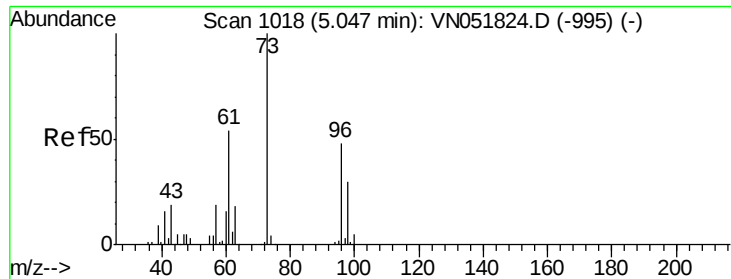
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#18
Methylene Chloride
Concen: 20.959 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion:	84	Resp:	178850
Ion	Ratio	Lower	Upper
84	100		
49	90.5	91.6	137.4#
51	28.0	29.8	44.6#
86	64.5	48.2	72.4





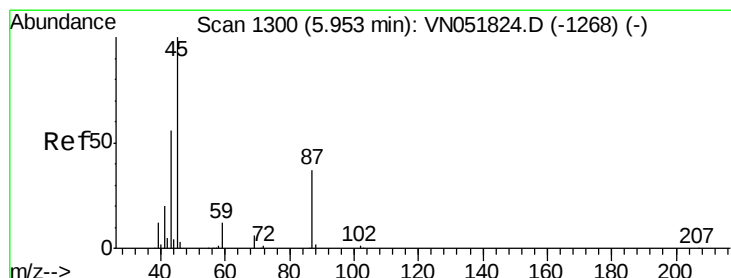
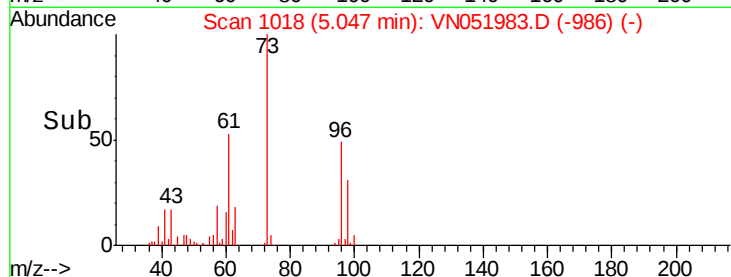
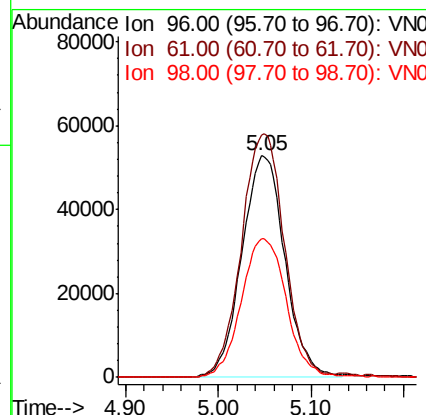
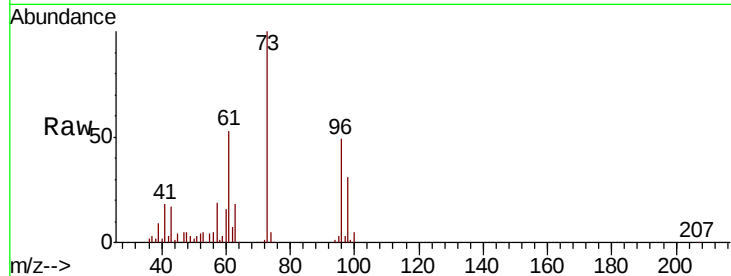
#19
trans-1,2-Dichloroethene
Concen: 19.632 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	109.0	112.3	168.5#
98	62.7	47.1	70.7

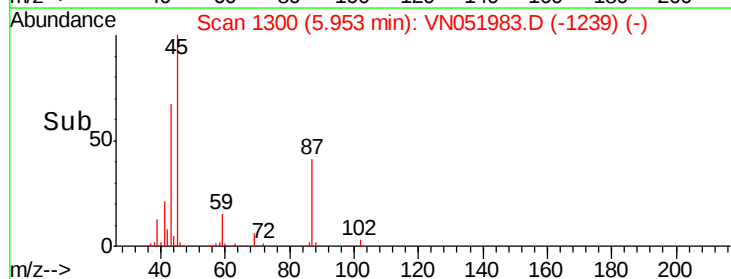
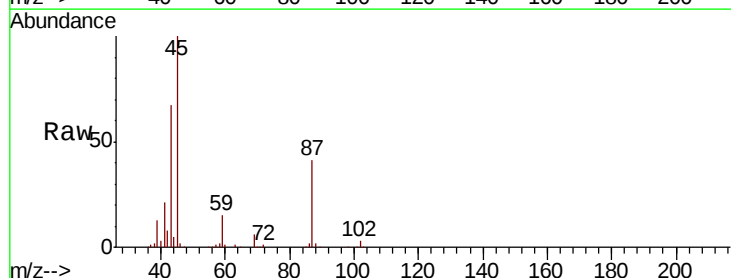
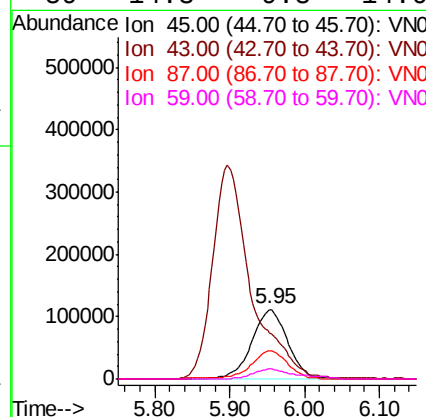
Manual Integrations
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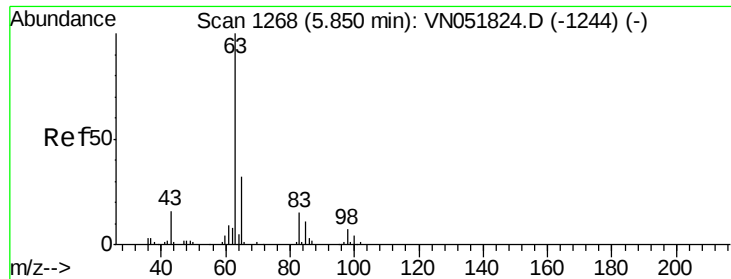
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#20
Diisopropyl ether
Concen: 18.415 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	62.1	93.1
87	41.2	19.9	29.9#
59	14.3	9.8	14.6





#21

1,1-Dichloroethane

Concen: 18.684 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

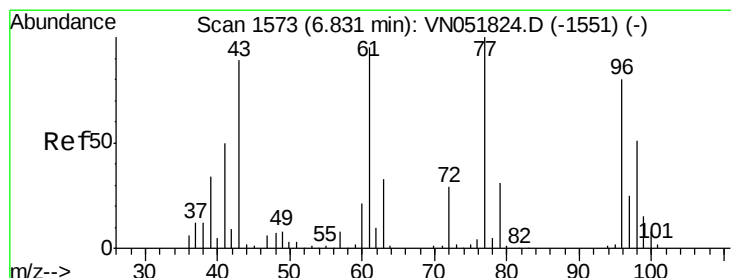
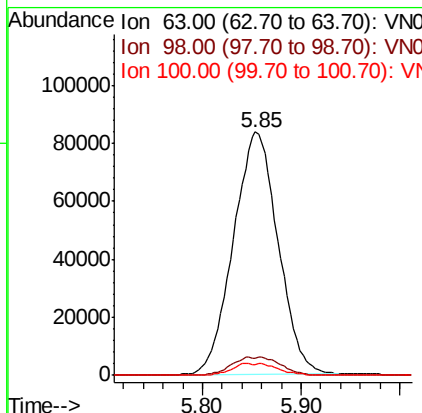
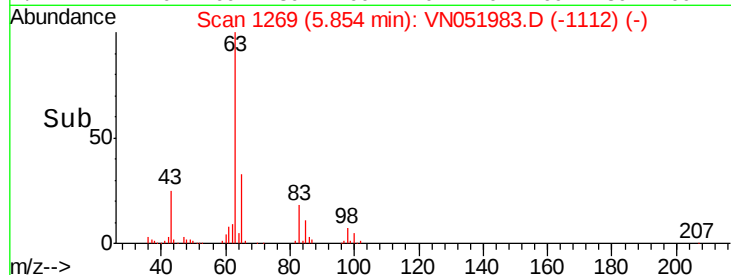
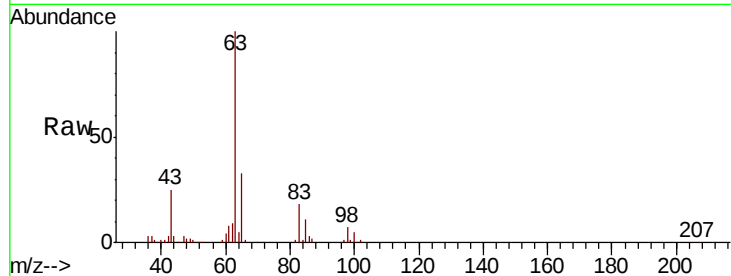
ClientSampleId :

VN1024WBSD02

Tot Ion:	63	Resp:	263448
Ion Ratio	Lower	Upper	
63	100		
98	7.0	4.1	12.3
100	4.6	1.6	4.7

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#22

cis-1,2-Dichloroethene

Concen: 19.799 ug/l

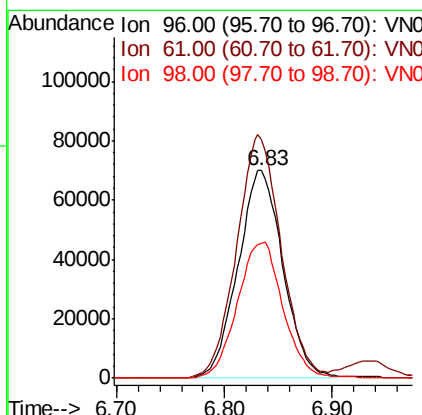
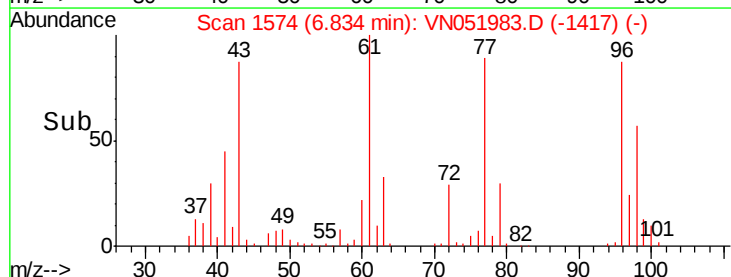
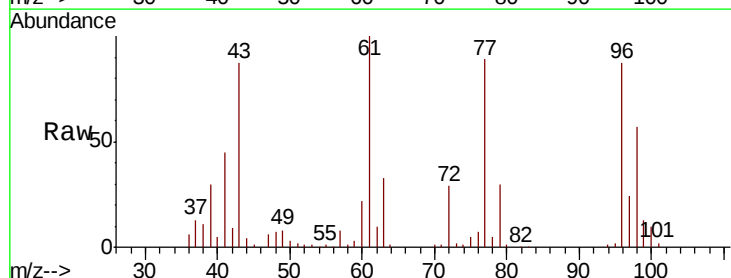
RT: 6.83 min Scan# 1574

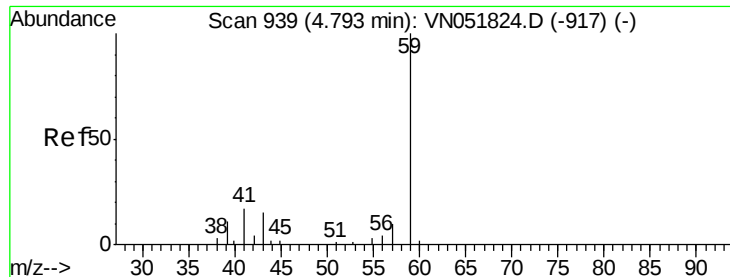
Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Tgt Ion:	96	Resp:	202653
Ion Ratio	Lower	Upper	
96	100		
61	115.6	124.5	186.7#
98	66.1	51.9	77.9





#23

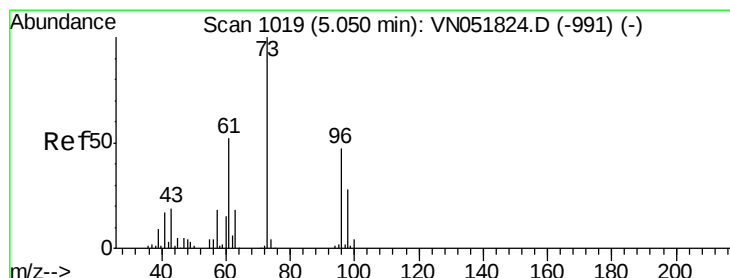
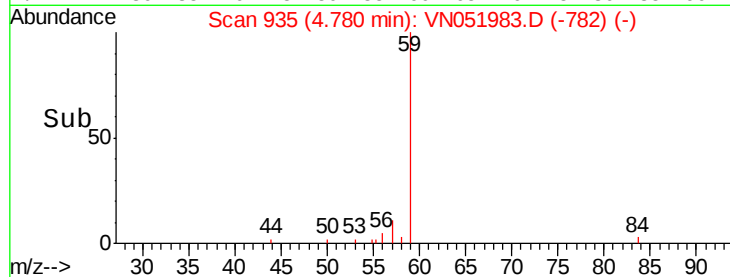
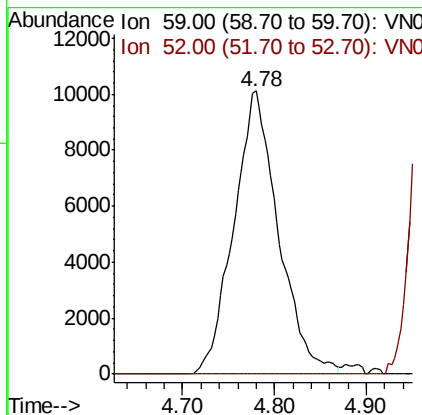
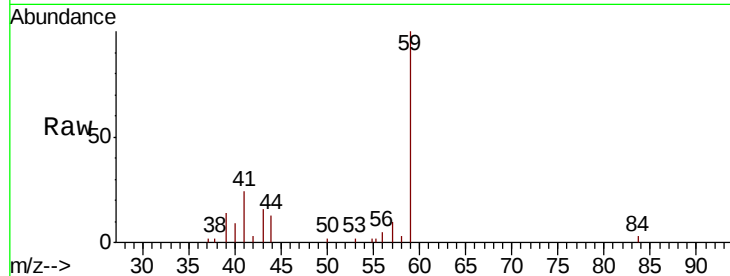
tert-Butyl Alcohol
 Concen: 61.283 ug/l m
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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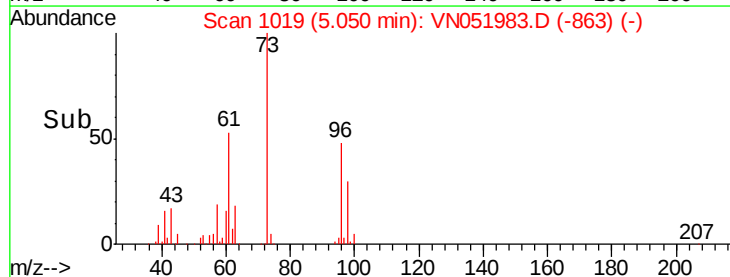
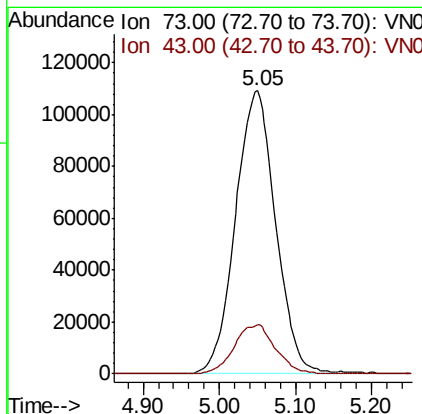
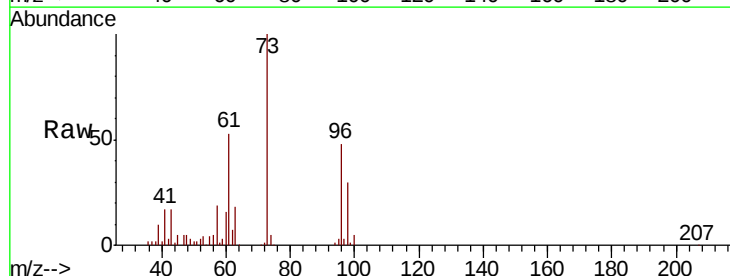
apatel
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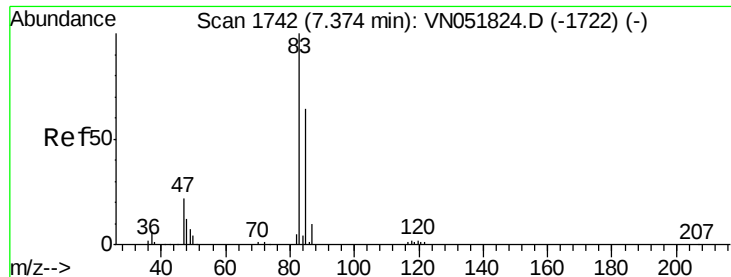


#24

Methyl tert-Butyl Ether
 Concen: 18.234 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.0	5.4	8.0#





#25

Chloroform

Concen: 19.688 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion: 83 Resp: 329347

Ion Ratio Lower Upper

83 100

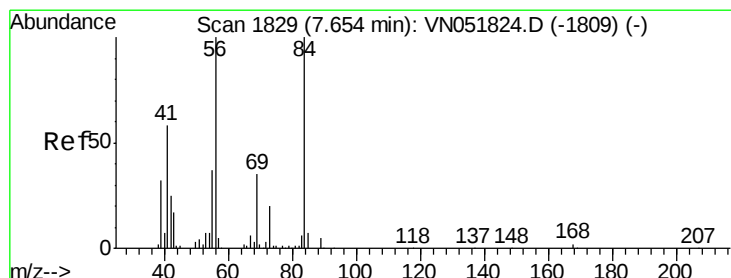
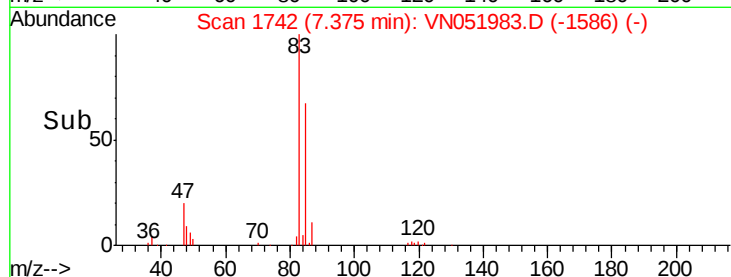
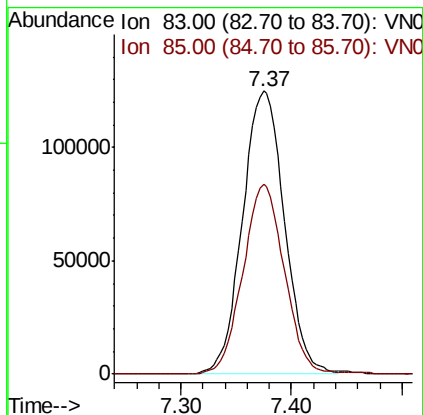
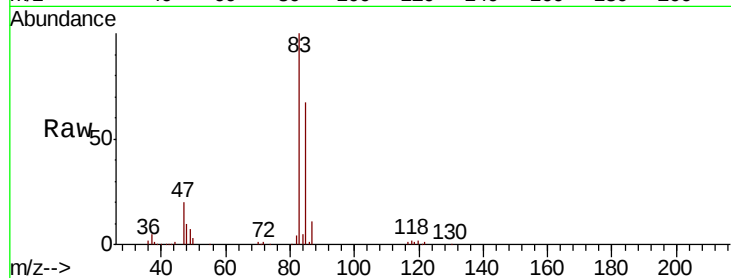
85 67.3 54.6 82.0

Manual Integrations

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apatel

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#26

Cyclohexane

Concen: 17.621 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

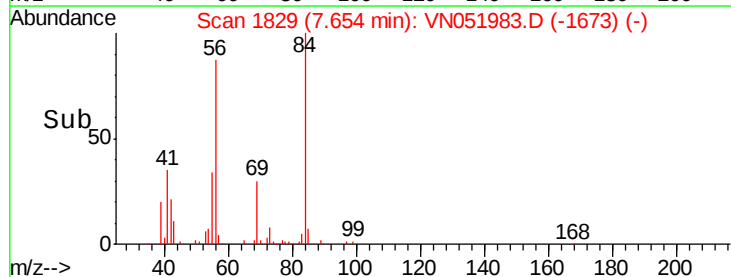
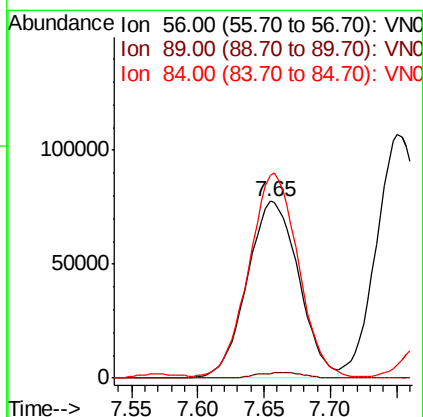
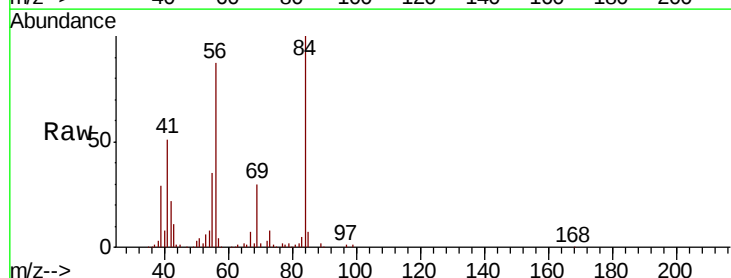
Tgt Ion: 56 Resp: 210636

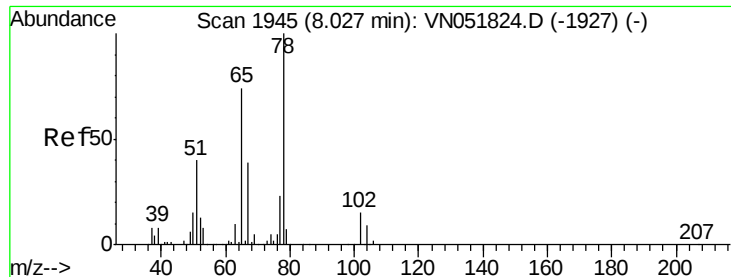
Ion Ratio Lower Upper

56 100

89 2.8 1.5 2.3#

84 111.7 64.2 96.4#





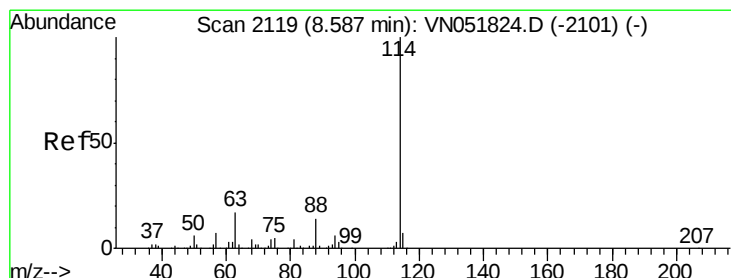
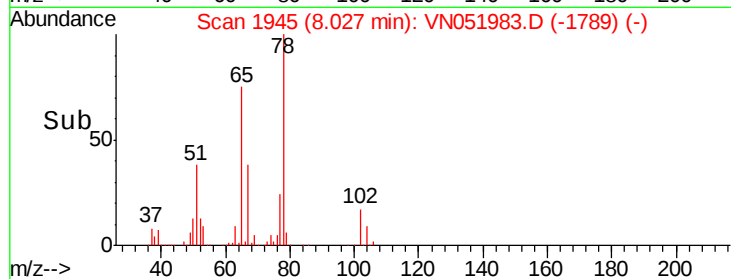
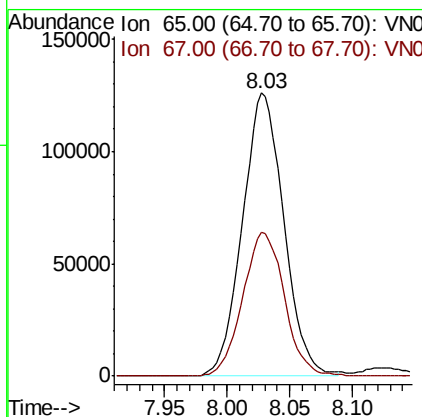
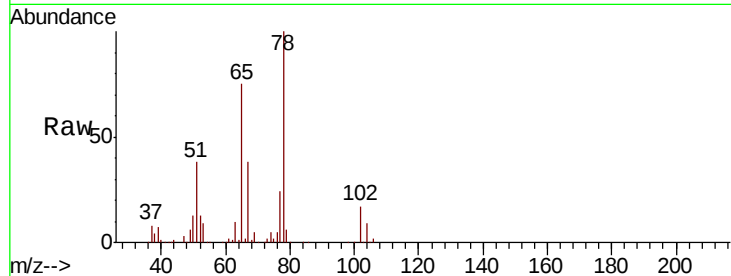
#27
 1,2-Dichloroethane-d4
 Concen: 17.621 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	41.8	62.8

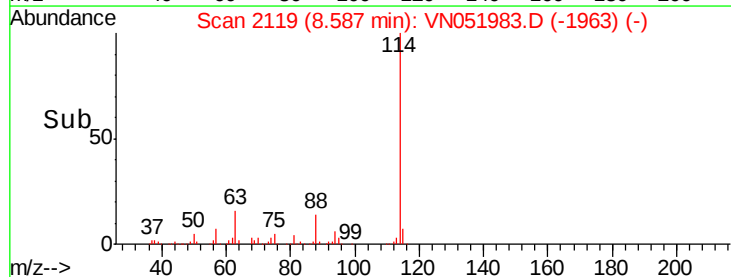
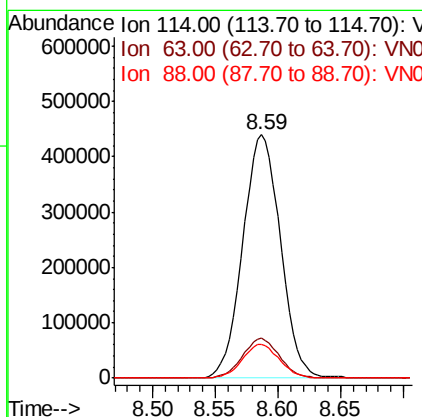
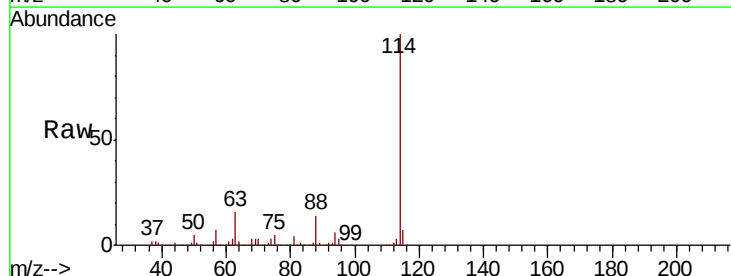
Manual Integrations
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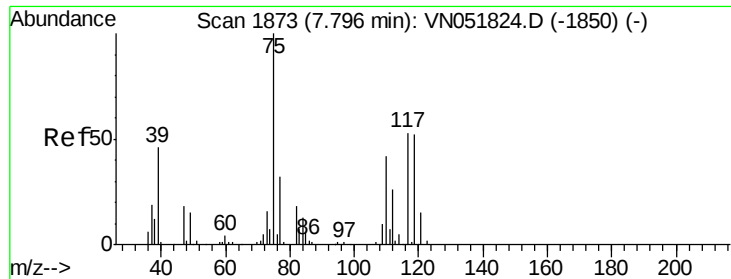
apatel
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.0	16.2	24.2#
88	13.7	12.2	18.4





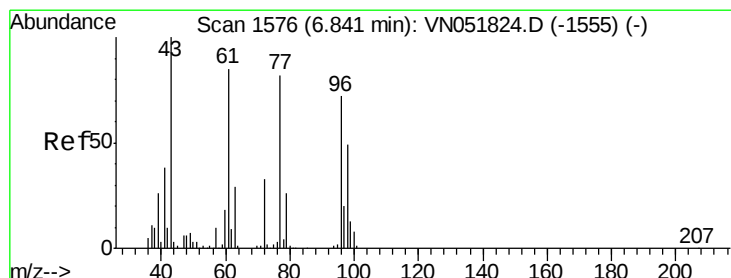
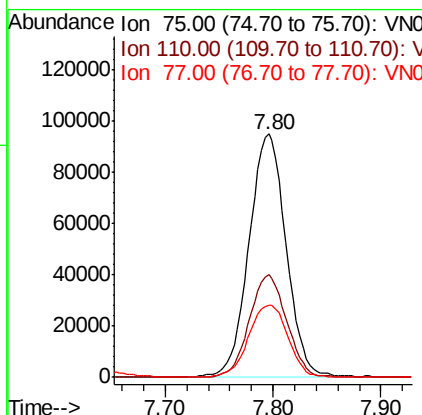
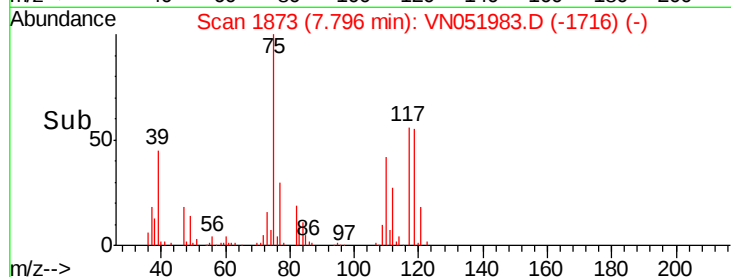
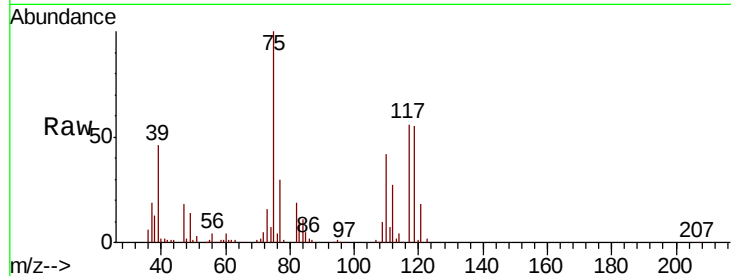
#29
 1,1-Dichloropropene
 Concen: 19.113 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	42.4	0.0	70.8	
77	31.6	0.0	61.6	

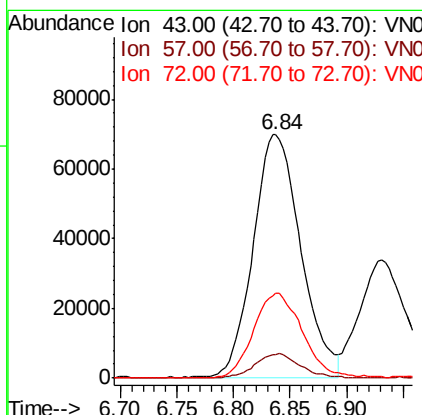
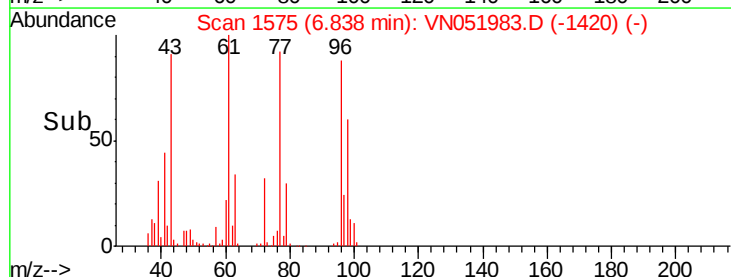
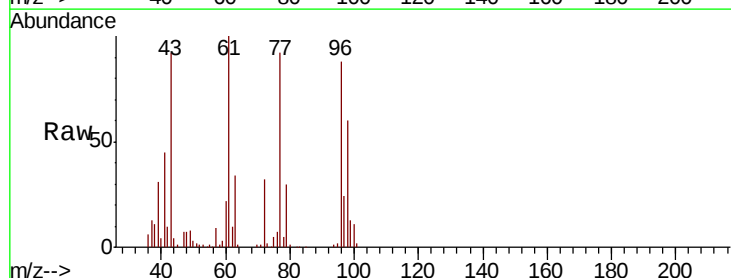
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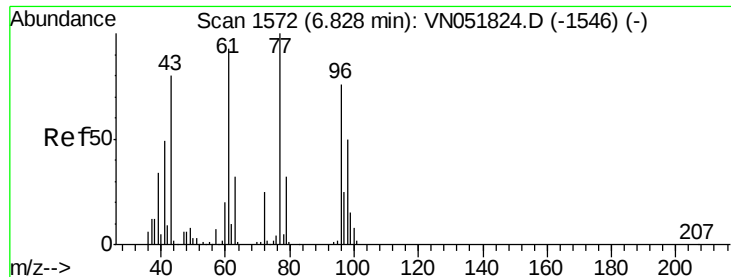
apatel
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#30
 2-Butanone
 Concen: 82.102 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

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: 16.902 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion: 77 Resp: 23553

Ion Ratio Lower Upper

77 100

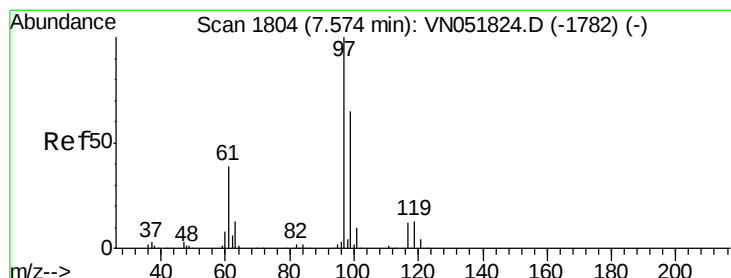
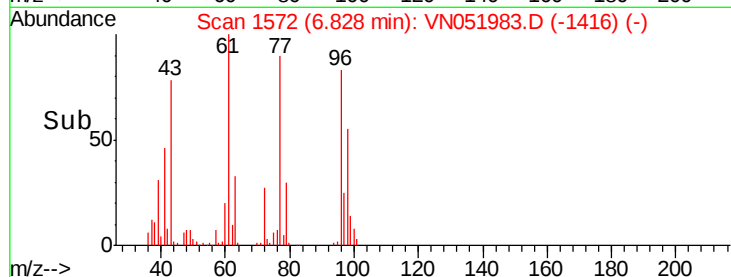
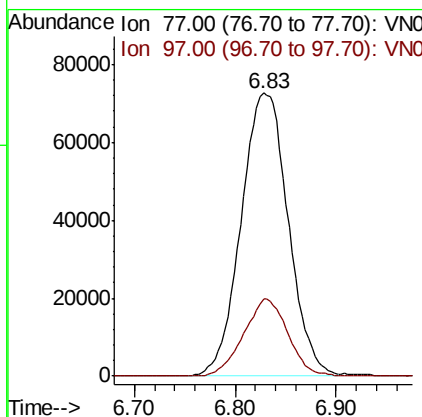
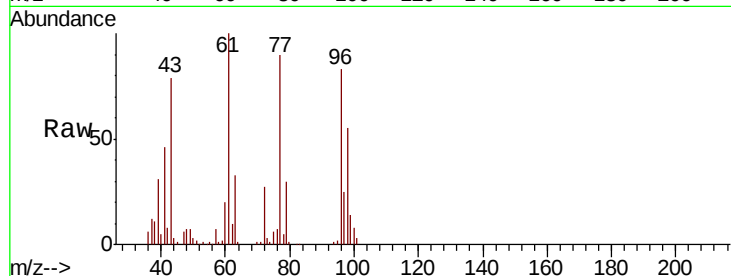
97 25.8 12.0 18.0#

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#32

1,1,1-Trichloroethane

Concen: 18.946 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

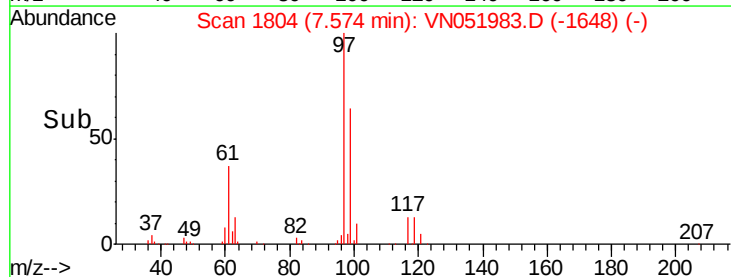
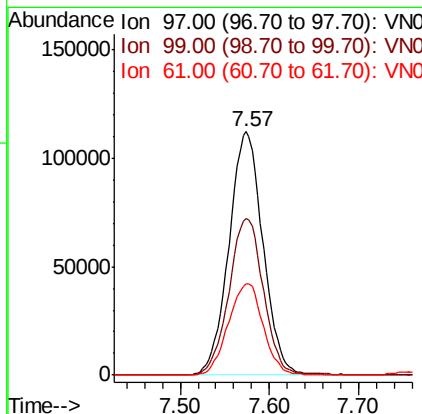
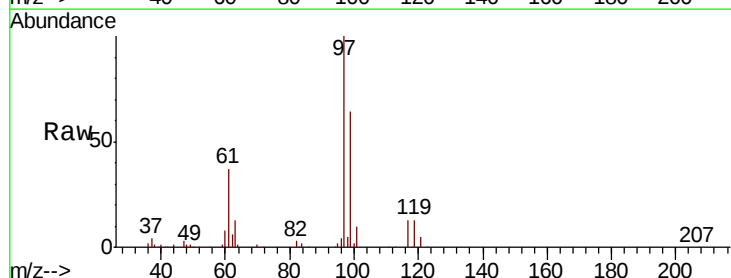
Tgt Ion: 97 Resp: 297569

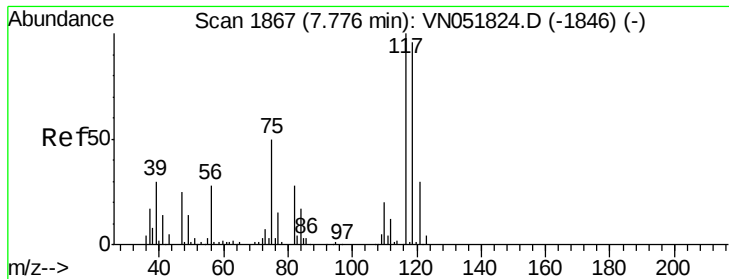
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 38.2 37.4 56.0





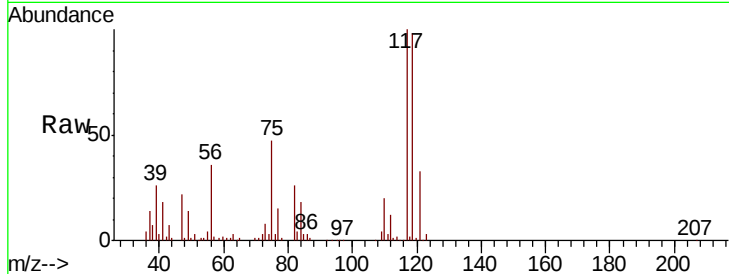
#33
Carbon Tetrachloride
Concen: 18.539 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.3	85.1	127.7
121	32.7	24.2	36.2

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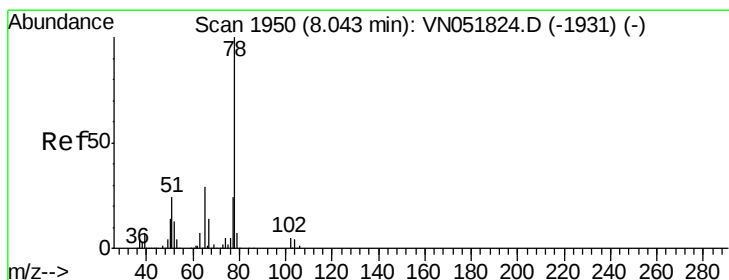
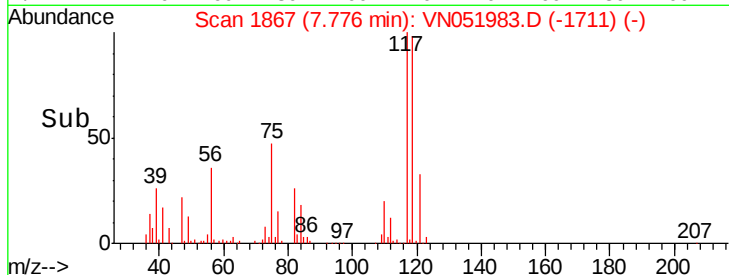
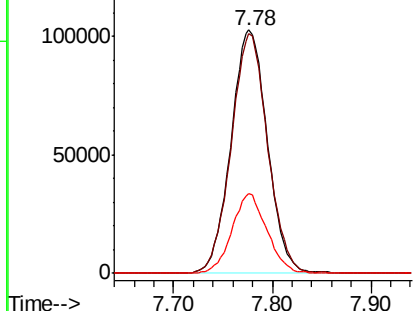


Abundance

Ion 117.00 (116.70 to 117.70): V

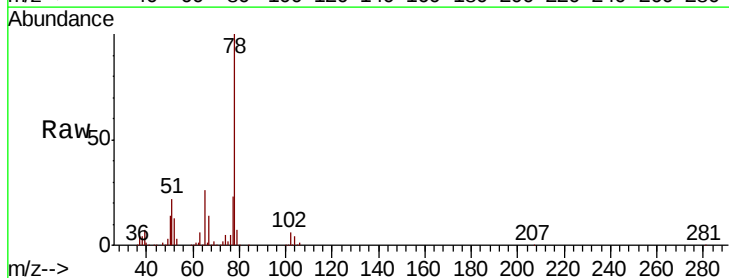
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 19.901 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2
51	21.5	46.2	69.4#

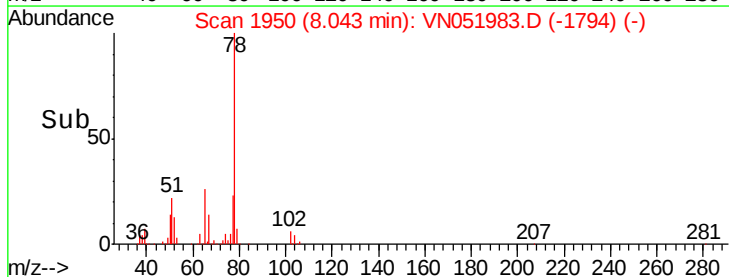
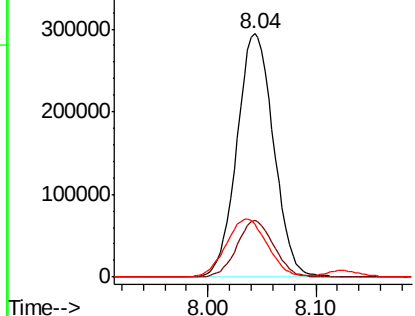


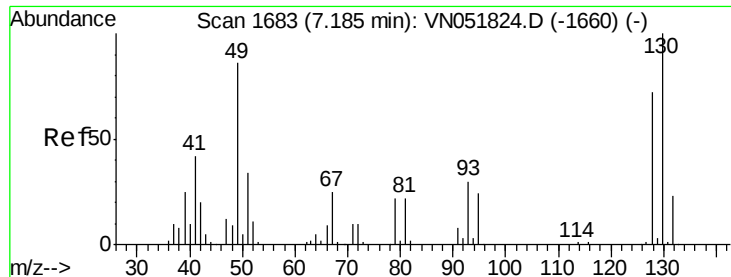
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





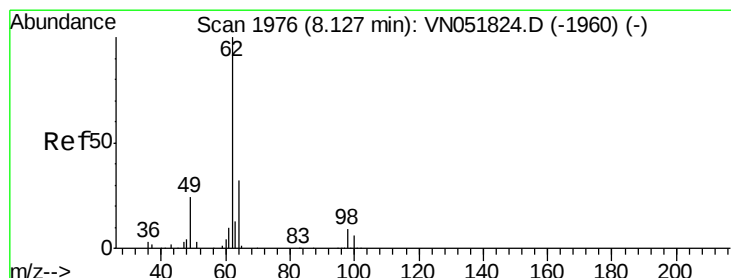
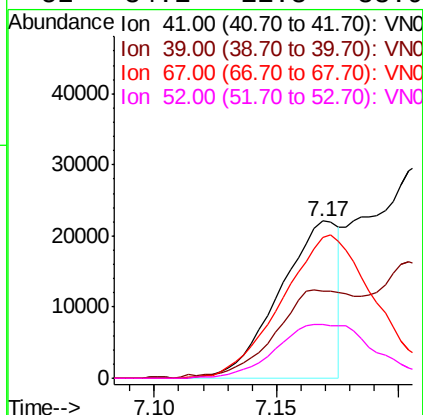
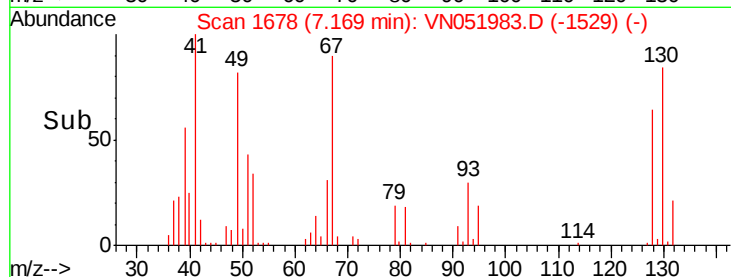
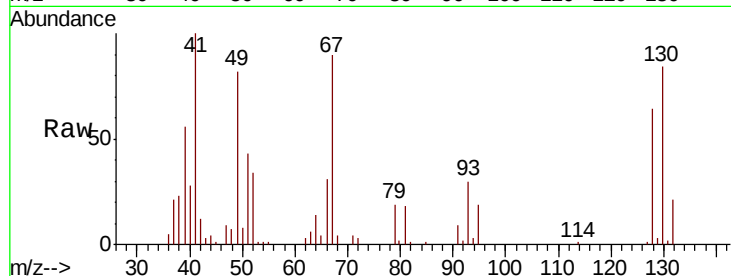
#35
Methacrylonitrile
Concen: 11.369 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	22.6	67.7
67	89.0	28.9	86.8#
52	34.1	11.3	33.9#

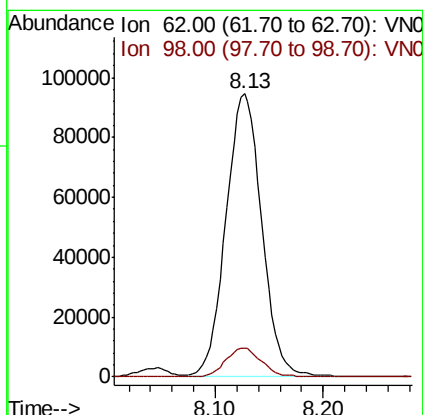
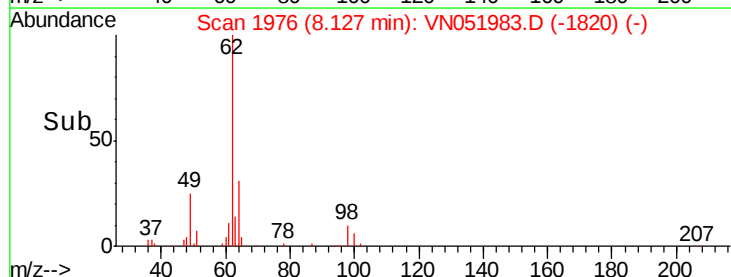
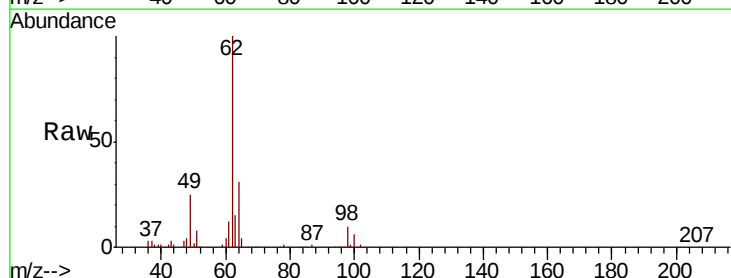
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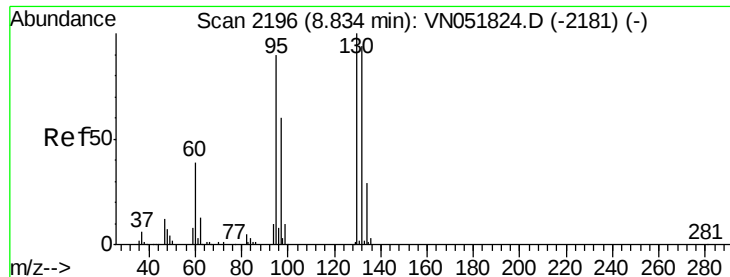
apatel
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#36
1,2-Dichloroethane
Concen: 19.386 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	6.9	10.3





#37

Trichloroethene

Concen: 20.188 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion:130 Resp: 219605

Ion Ratio Lower Upper

130 100

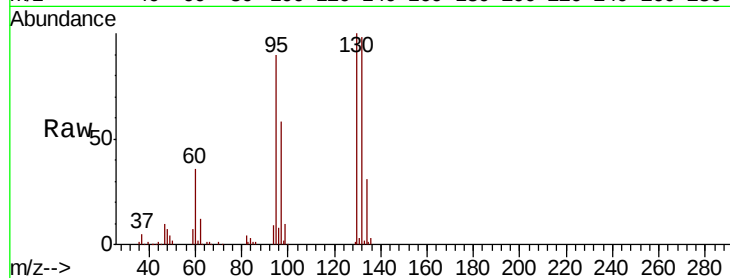
95 90.2 76.4 114.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN051824.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN051824.D (-2181) (-)

8.84

120000

100000

80000

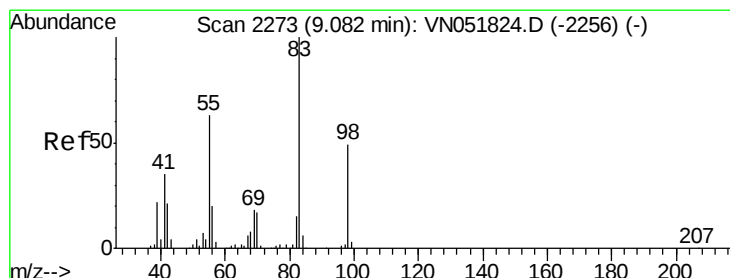
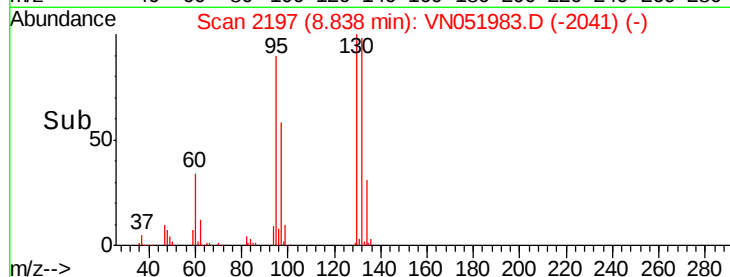
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.150 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

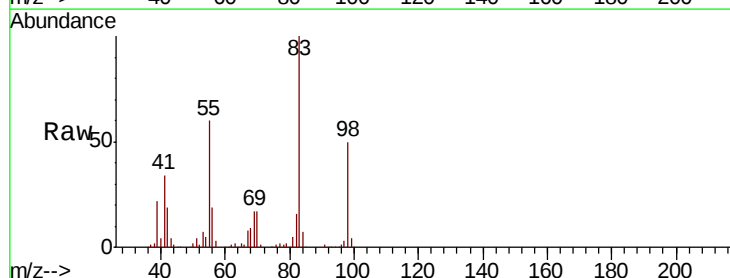
Tgt Ion: 83 Resp: 275781

Ion Ratio Lower Upper

83 100

55 60.4 43.0 129.2

98 50.4 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN051824.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-2256) (-)

9.08

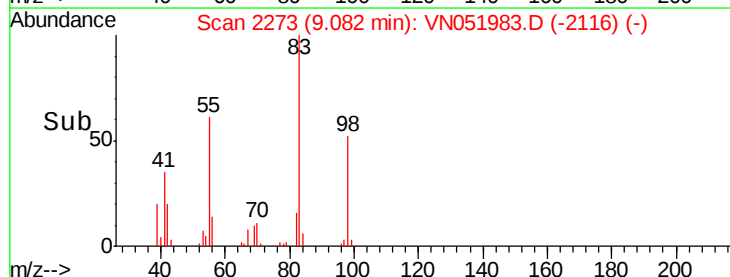
150000

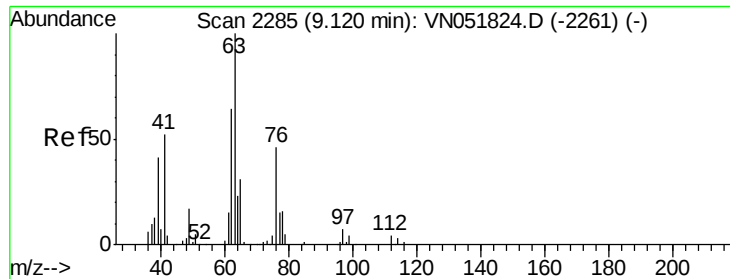
100000

50000

0

Time-->





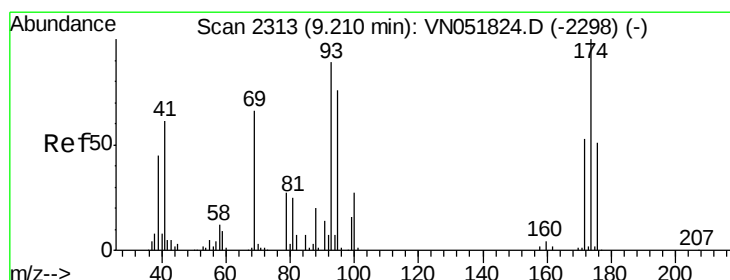
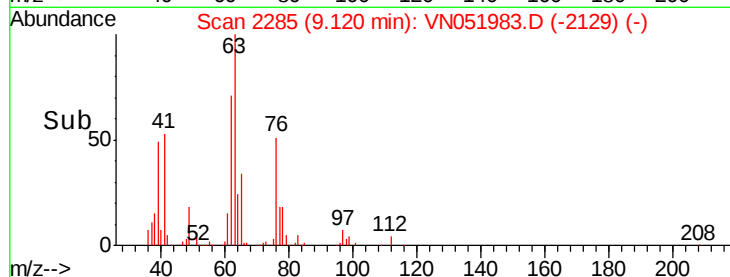
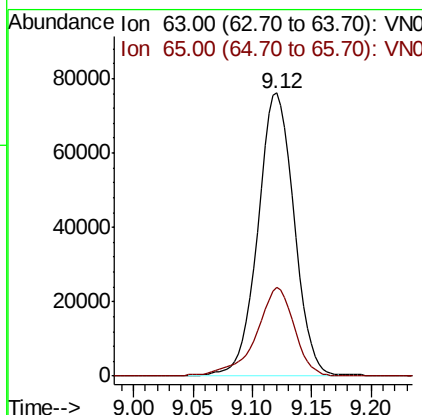
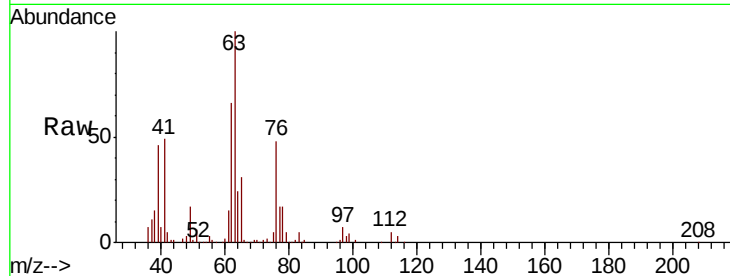
#39
 1,2-Dichloropropane
 Concen: 19.448 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion: 63 Resp: 160491
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.2 34.8

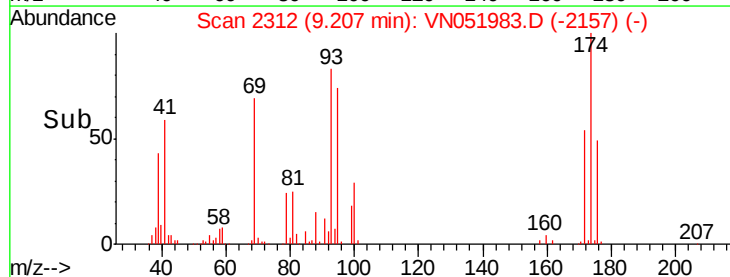
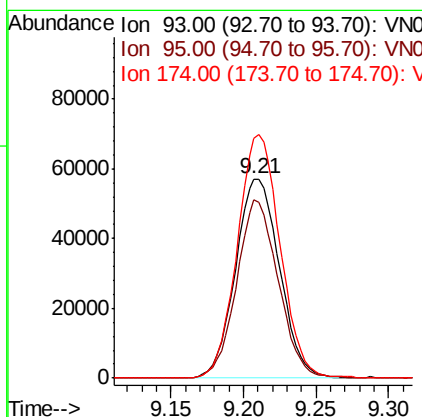
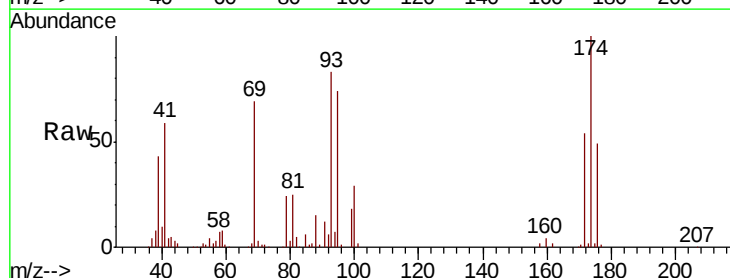
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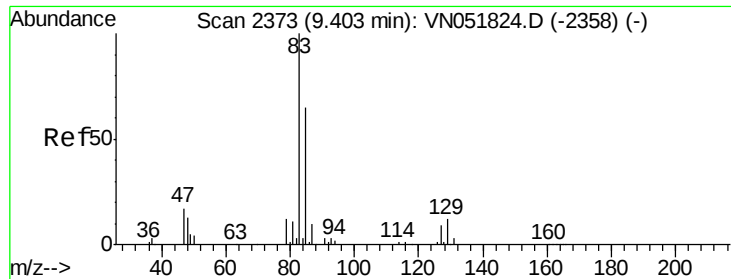
apatel
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#40
 Dibromomethane
 Concen: 19.694 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion: 93 Resp: 120620
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 162.0
 174 118.5 0.0 214.0





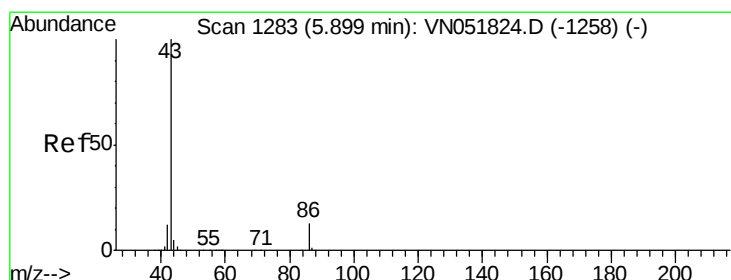
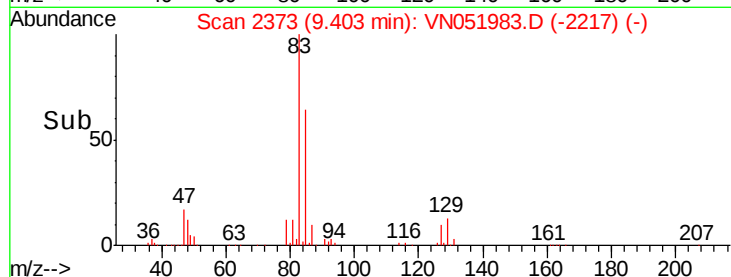
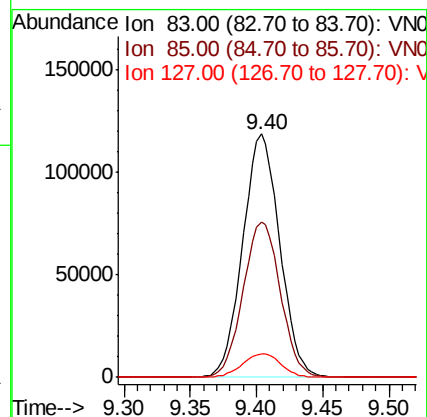
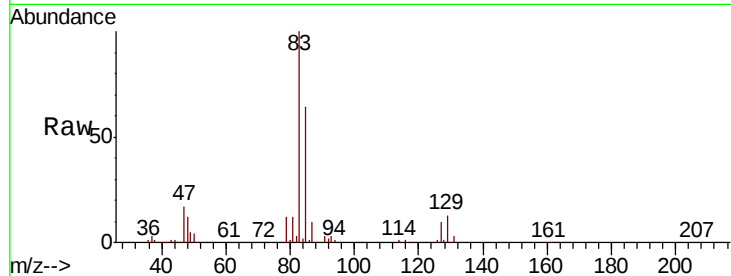
#41
Bromodichloromethane
Concen: 18.239 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	83	Resp	230747
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	55.7	83.5
127	9.5	8.2	12.4

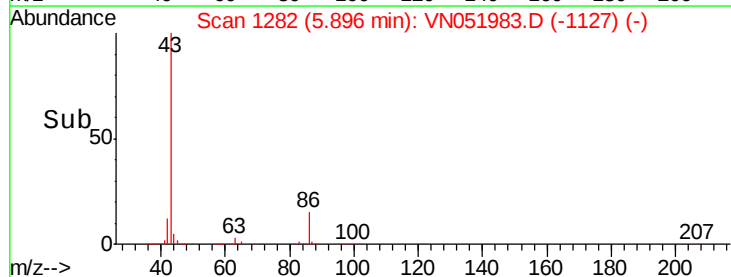
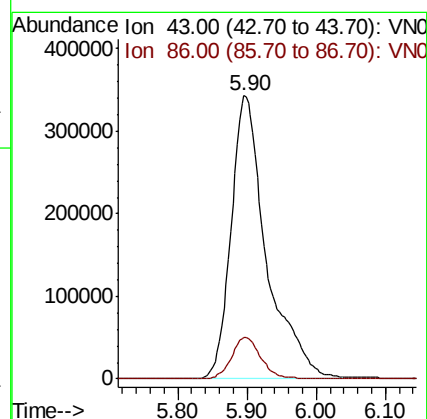
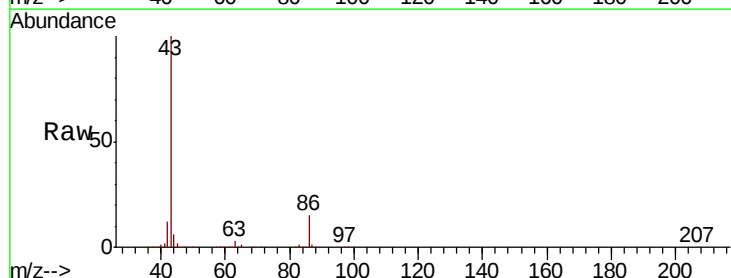
Manual Integrations
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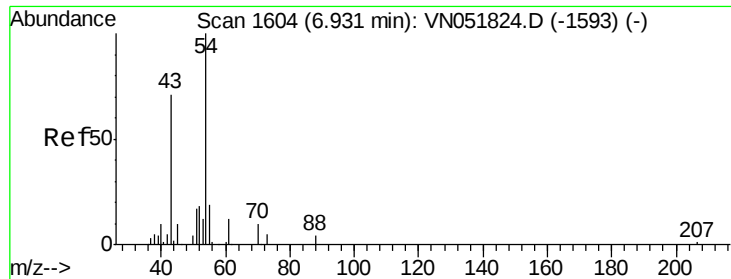
apatel
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#42
Vinyl Acetate
Concen: 87.711 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	43	Resp	1222572
Ion Ratio	100	Lower	Upper
43	100		
86	12.0	6.5	9.7#





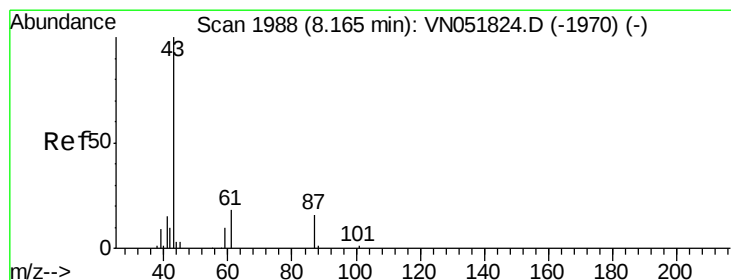
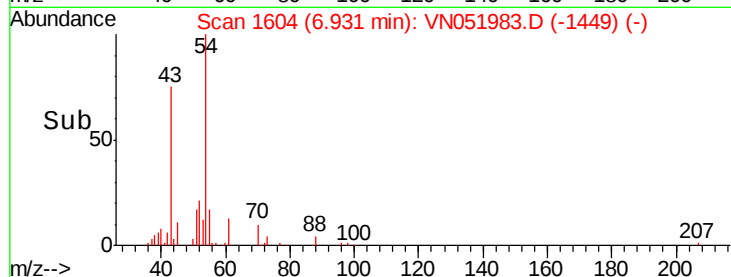
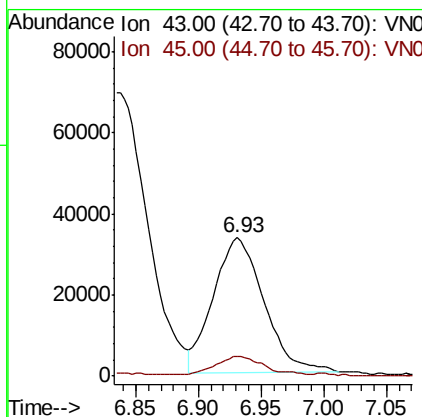
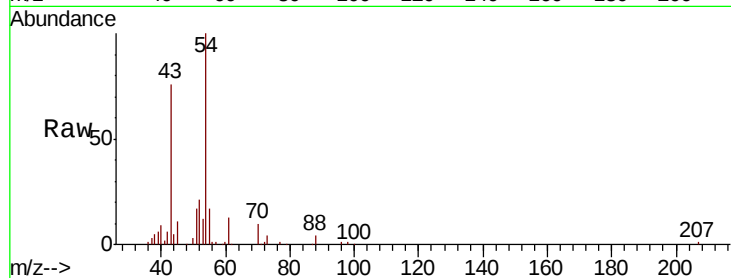
#43
Ethyl Acetate
Concen: 17.329 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	43	45	Ratio	Lower	Upper	Resp
93167	100	12.1		11.0	16.6	

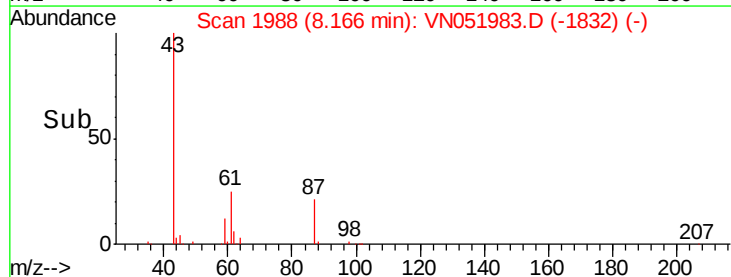
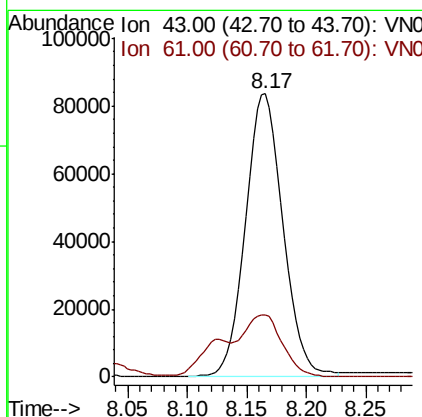
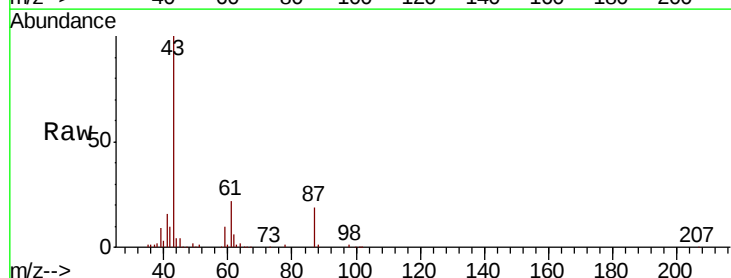
Manual Integrations
APPROVED

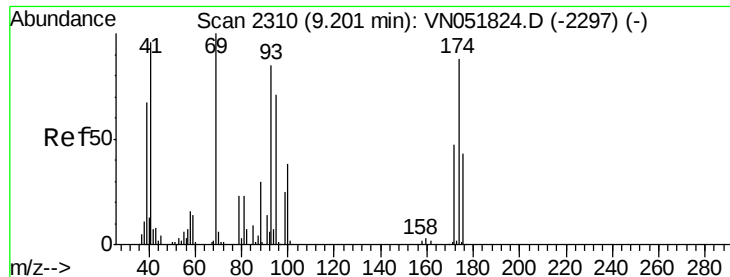
apatel
10/25/2018 9:24:14 AM



#44
Isopropyl Acetate
Concen: 17.082 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	43	61	Ratio	Lower	Upper	Resp
183438	100	21.4		15.9	23.9	





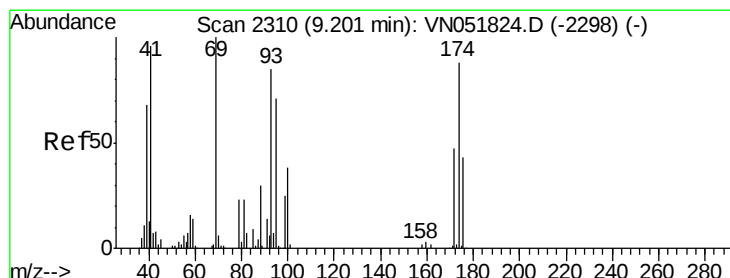
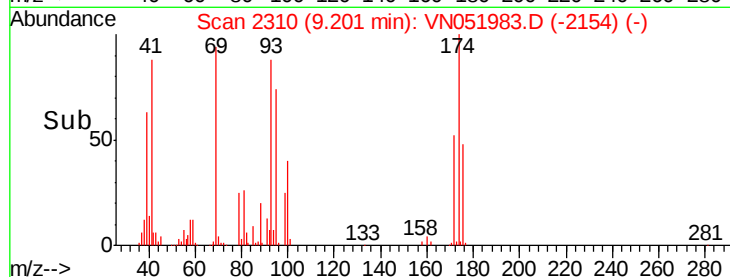
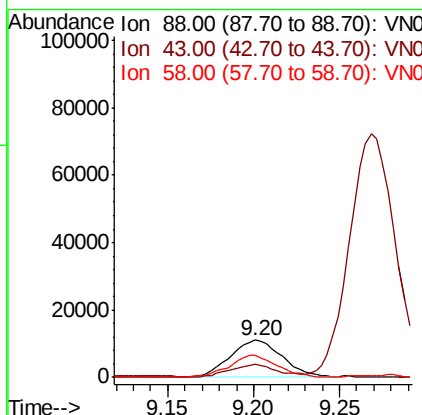
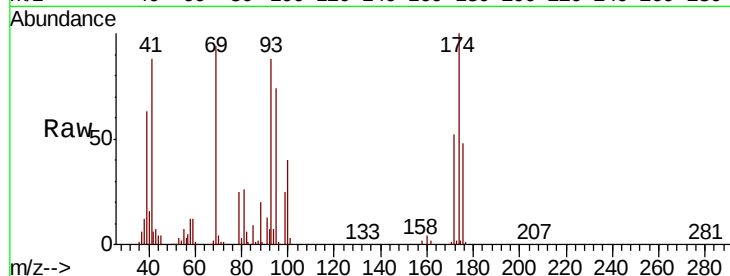
#45
1,4-Dioxane
Concen: 272.567 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	26.2	39.2
58	54.0	65.6	98.4#

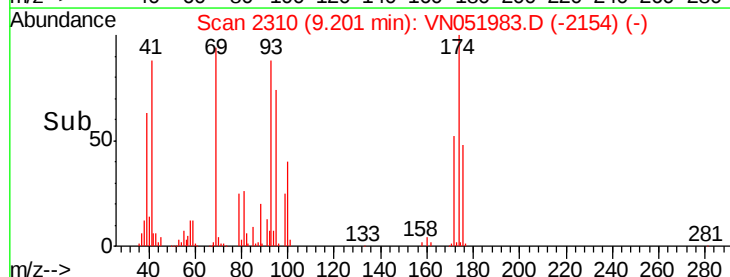
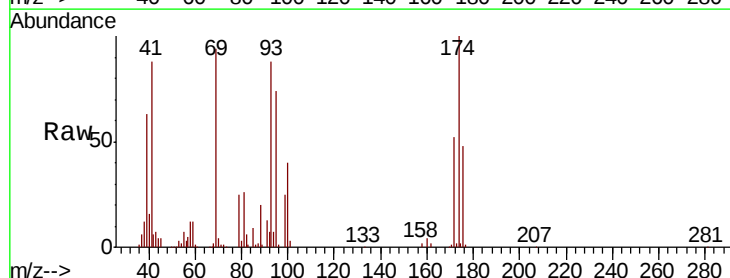
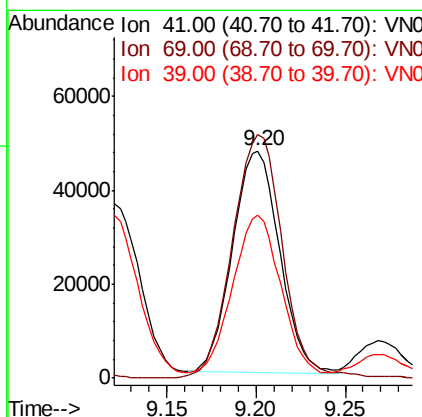
Manual Integrations
APPROVED

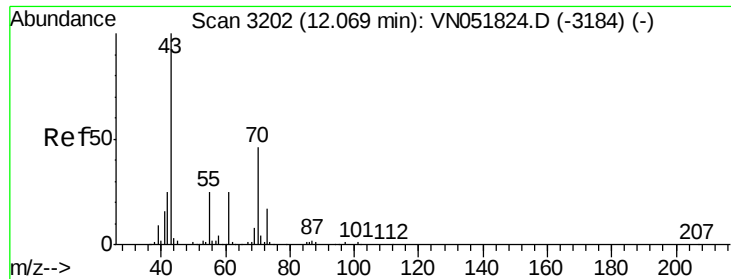
apatel
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#46
Methyl methacrylate
Concen: 17.639 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	108.7	40.7	122.1
39	71.4	27.3	81.9





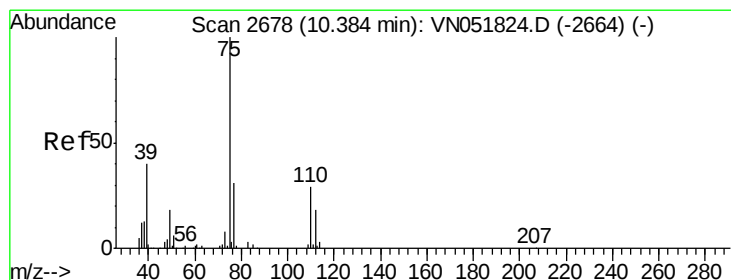
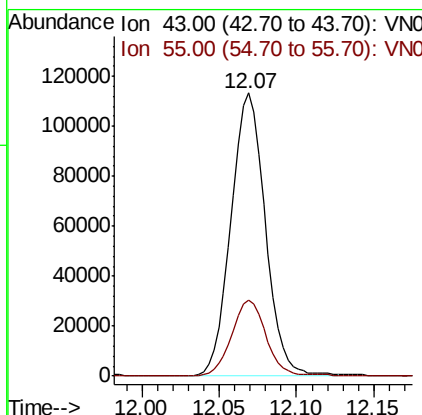
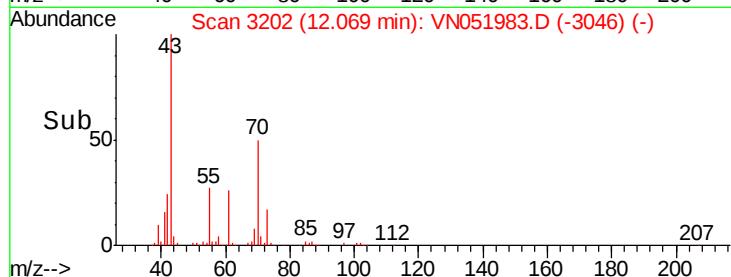
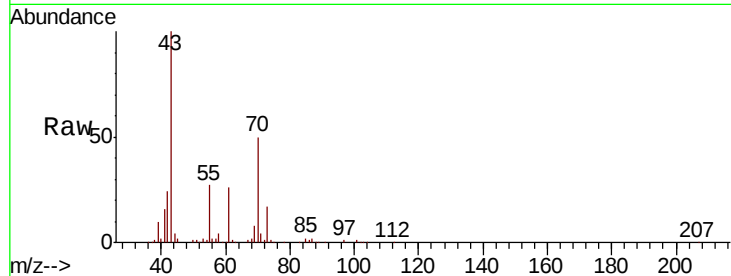
#47
n-amvl Acetate
Concen: 19.217 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion: 43 Resp: 172761
Ion Ratio Lower Upper
43 100
55 27.0 12.2 18.4#

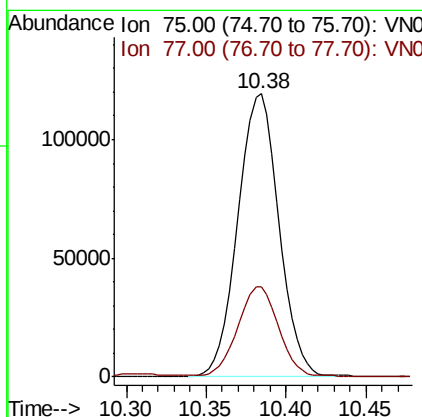
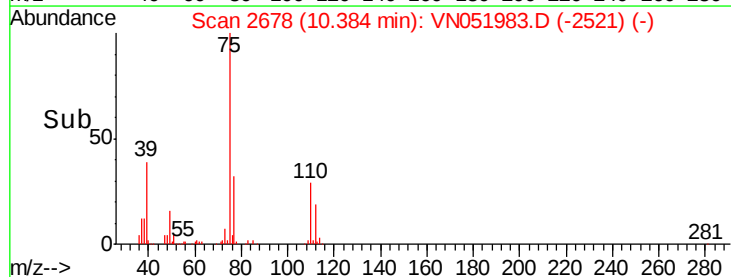
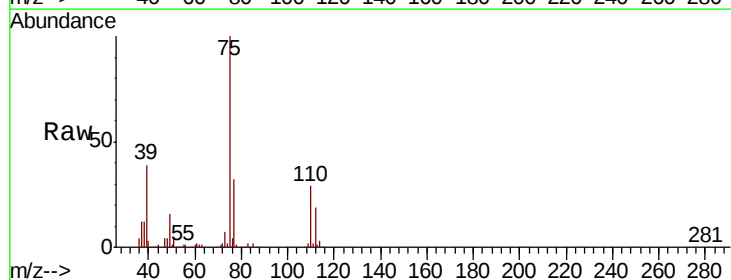
Manual Integrations
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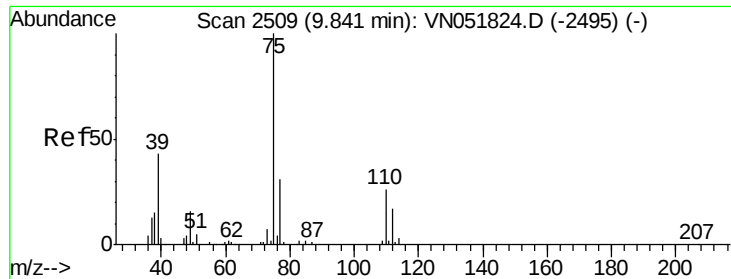
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#48
t-1,3-Dichloropropene
Concen: 16.951 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 75 Resp: 209125
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0





#49

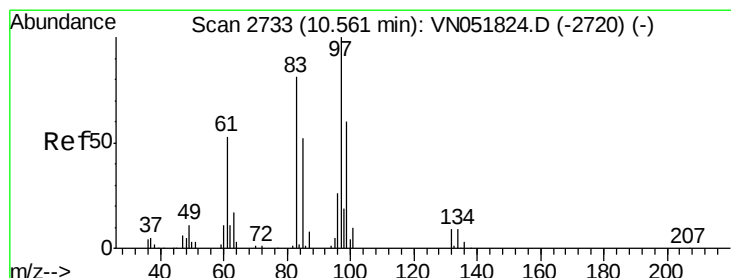
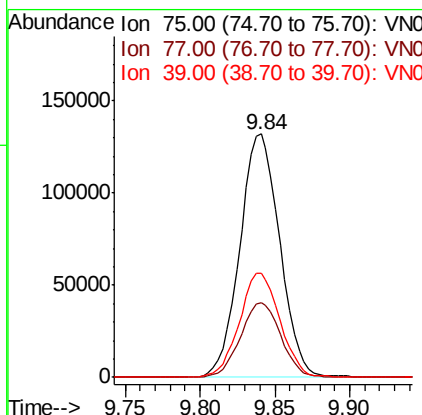
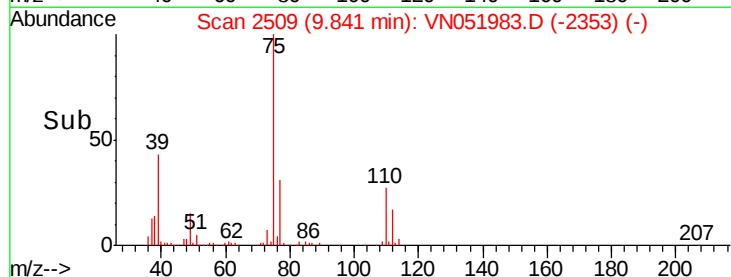
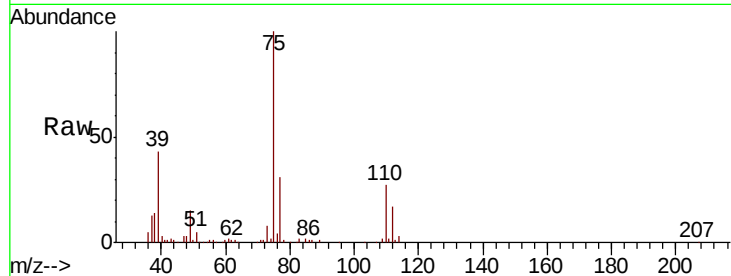
cis-1,3-Dichloropropene
Concen: 18.024 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	23.2	34.8
39	42.5	34.6	52.0

Manual Integrations
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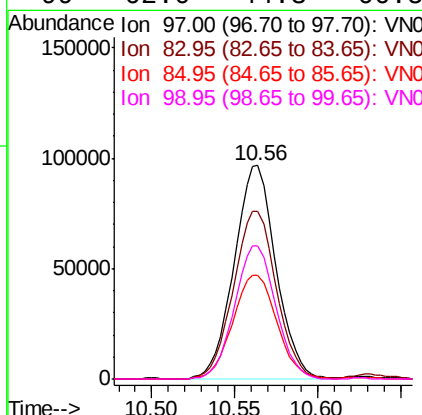
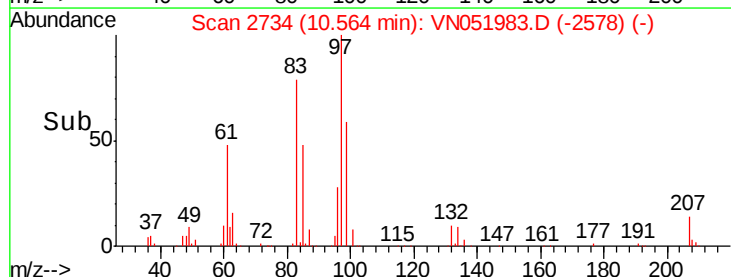
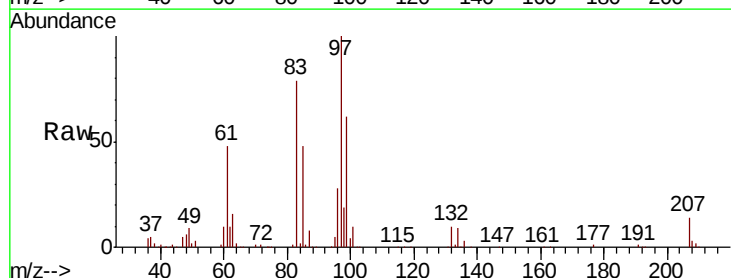
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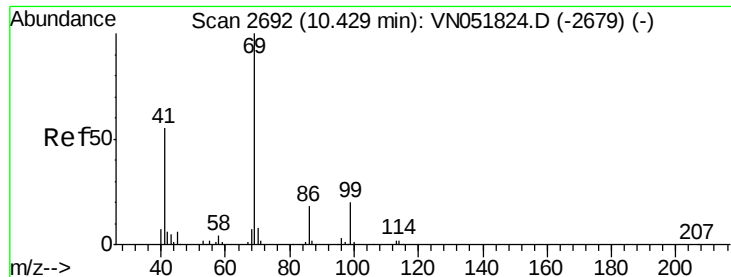


#50

1,1,2-Trichloroethane
Concen: 20.057 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.5	68.2	102.4
85	48.2	42.5	63.7
99	62.0	44.3	66.5





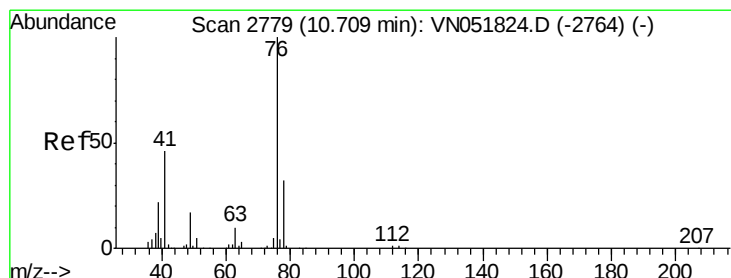
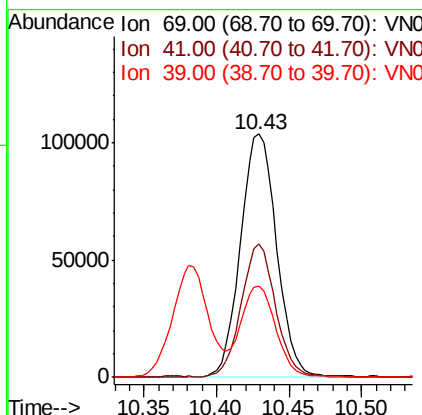
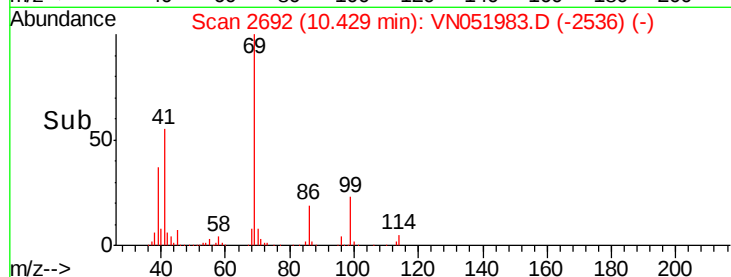
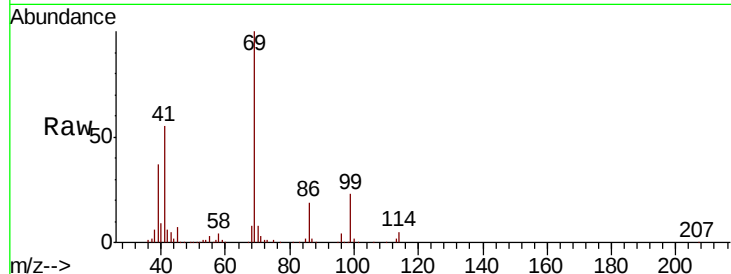
#51
Ethyl methacrylate
Concen: 18.590 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
69	100		
41	54.6	34.4	103.1
39	36.9	16.3	48.8

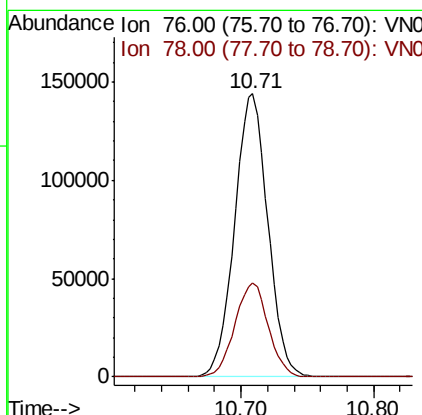
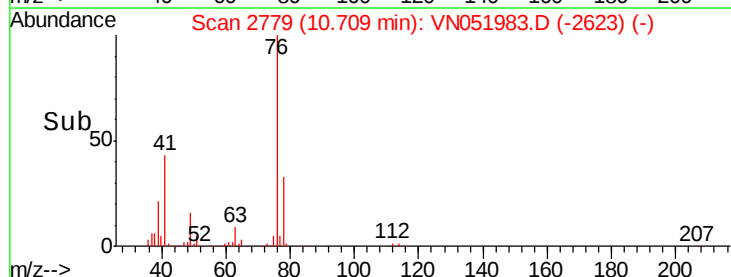
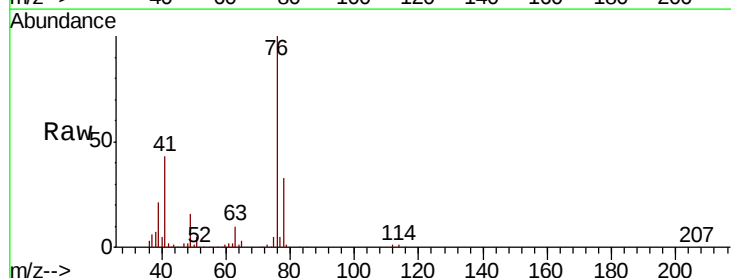
Manual Integrations
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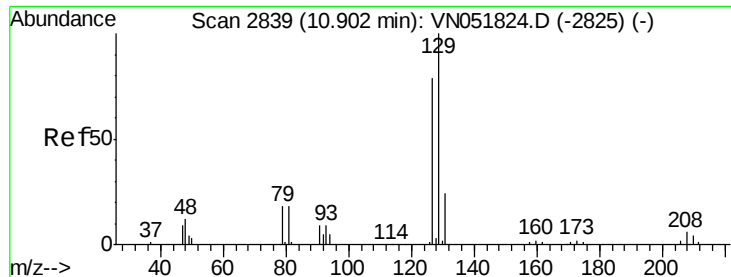
apatel
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#52
1,3-Dichloropropane
Concen: 19.203 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.3	0.0	67.6





#53

Dibromochloromethane

Concen: 16.906 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion:129 Resp: 176989

Ion Ratio Lower Upper

129 100

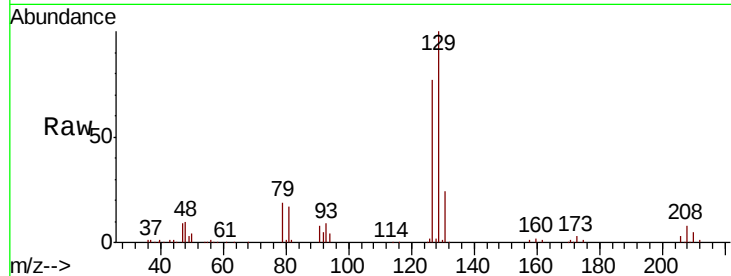
127 76.3 40.2 120.5

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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

80000

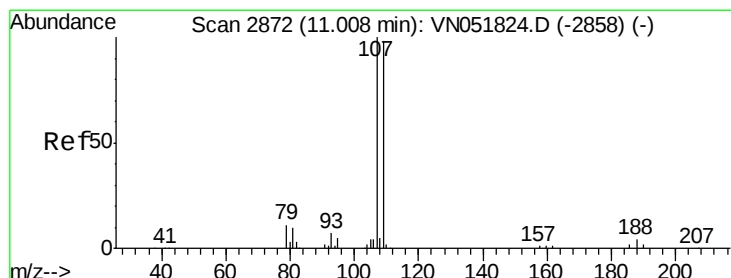
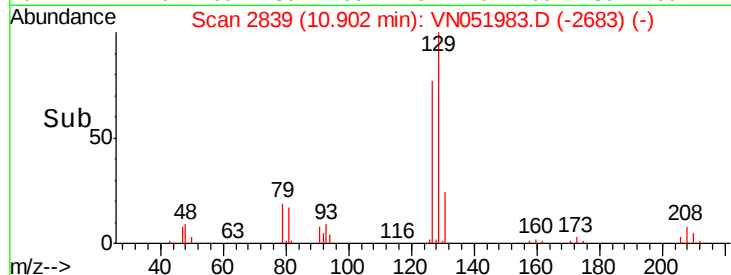
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.015 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051983.D

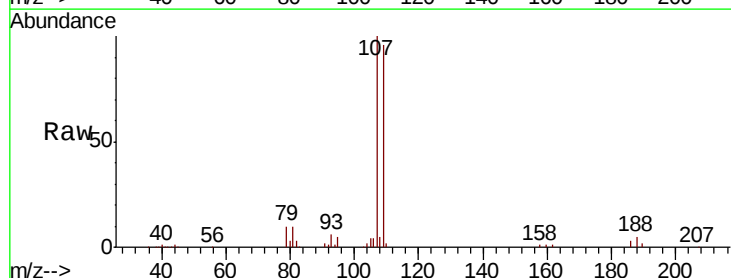
Acq: 24 Oct 2018 13:07

Tgt Ion:107 Resp: 168901

Ion Ratio Lower Upper

107 100

109 95.5 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

100000

80000

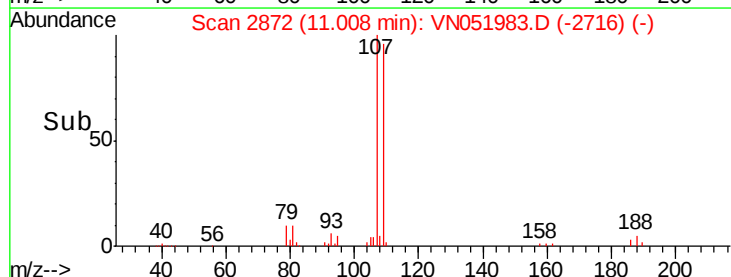
60000

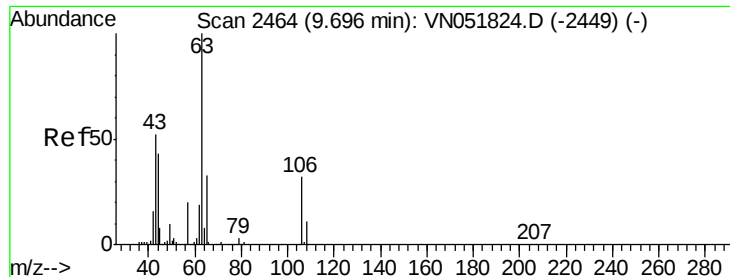
40000

20000

0

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 115.389 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

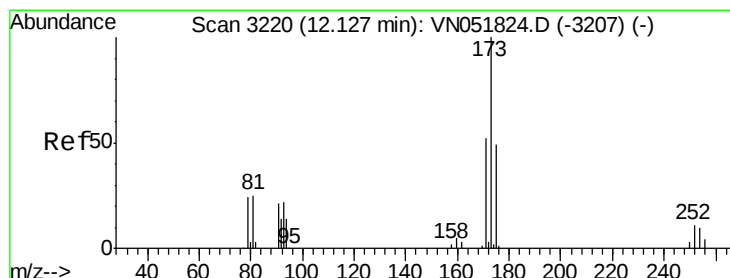
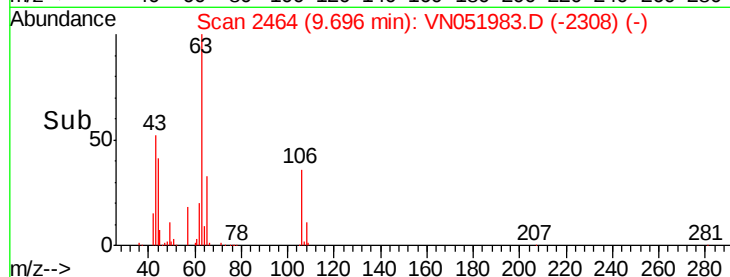
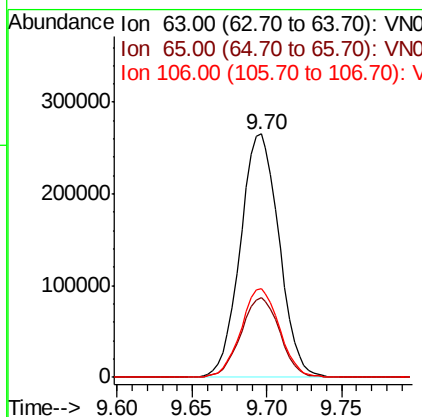
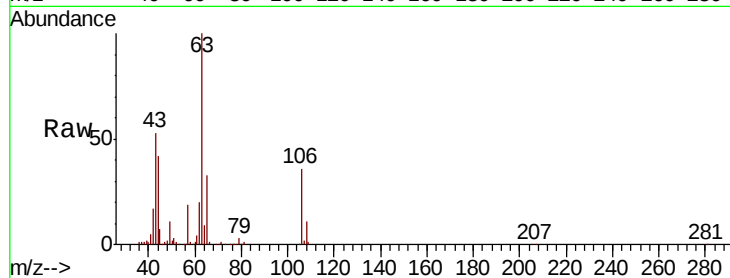
ClientSampleId :

VN1024WBSD02

Tot Ion:	63	Resp:	477912
Ion Ratio	Lower	Upper	
63	100		
65	33.0	25.4	38.0
106	36.2	21.2	31.8#

Manual Integrations
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#56

Bromoform

Concen: 14.055 ug/l

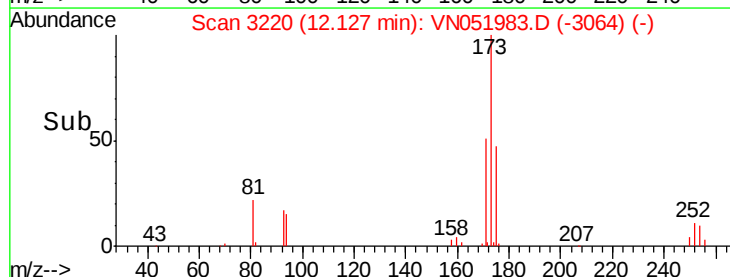
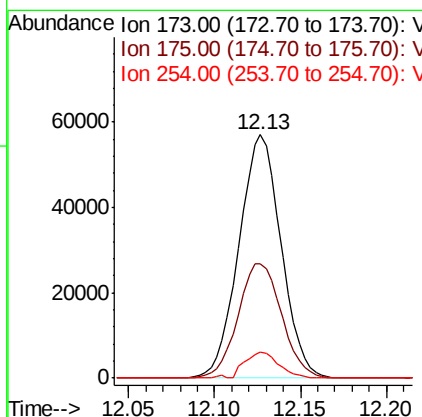
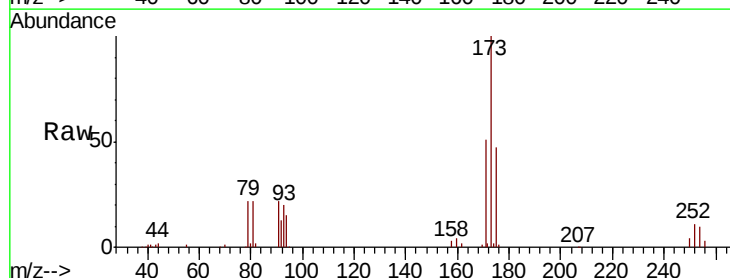
RT: 12.13 min Scan# 3220

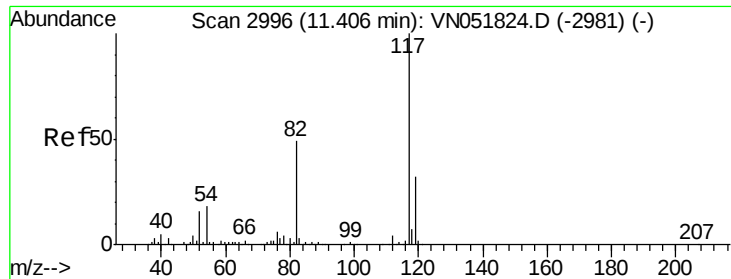
Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Tgt Ion:	173	Resp:	97042
Ion Ratio	Lower	Upper	
173	100		
175	48.7	35.8	53.8
254	8.5	8.6	13.0#





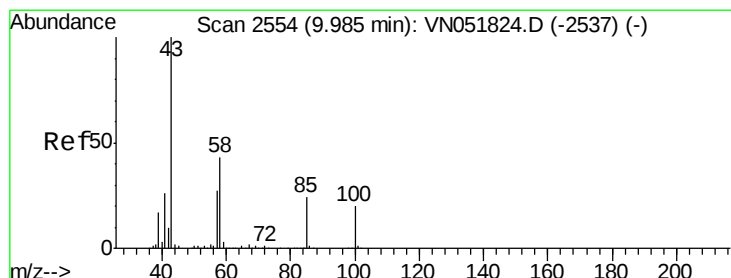
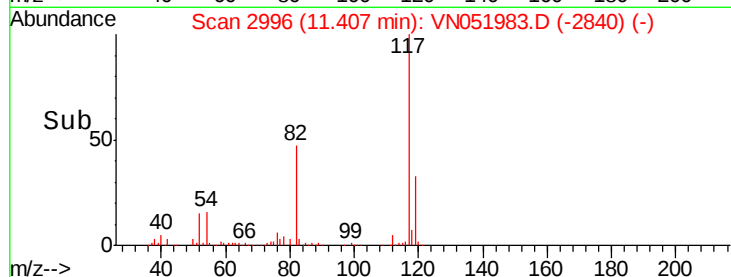
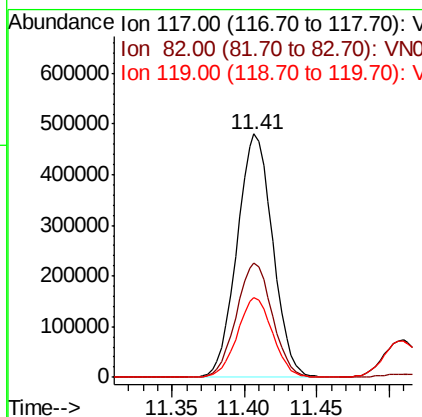
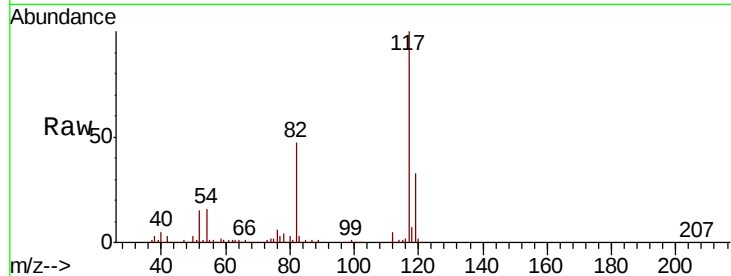
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.3	44.1	66.1
119	32.4	25.8	38.8

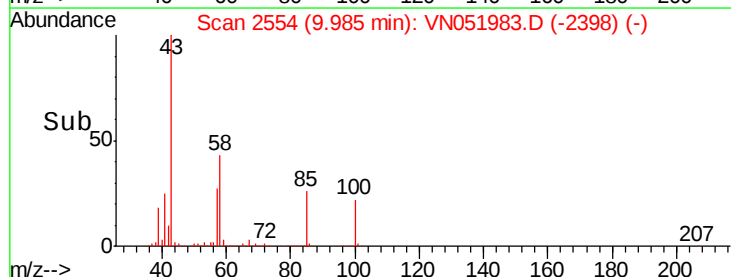
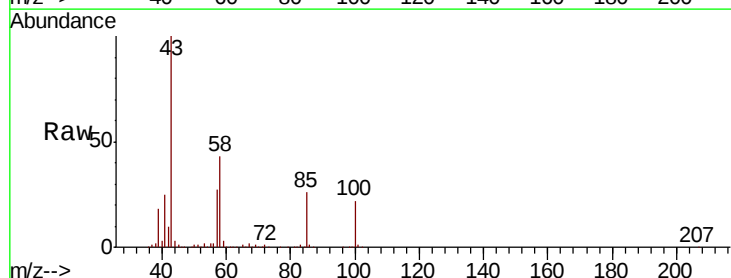
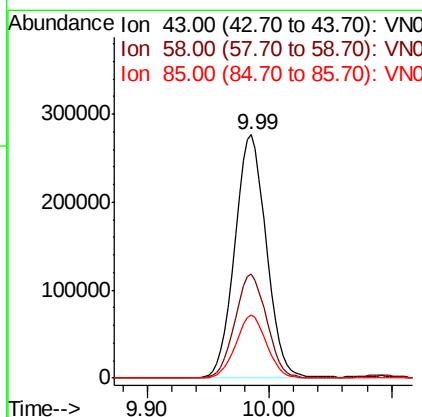
Manual Integrations
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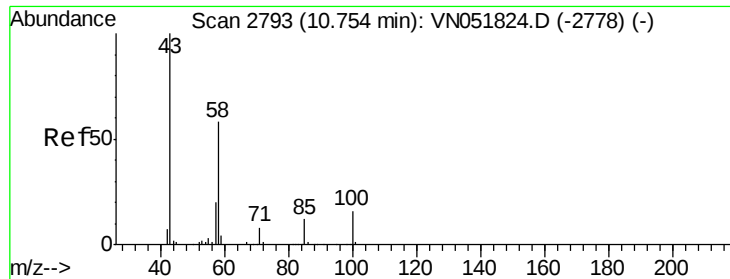
apatel
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#58
4-Methyl-2-Pentanone
Concen: 89.607 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.1	29.3	43.9
85	25.3	12.6	18.8





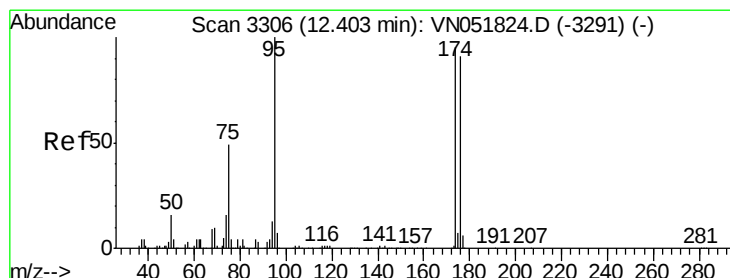
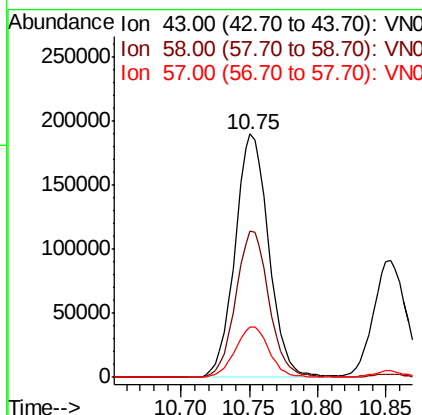
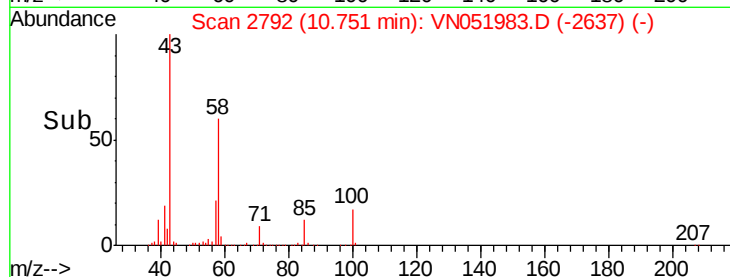
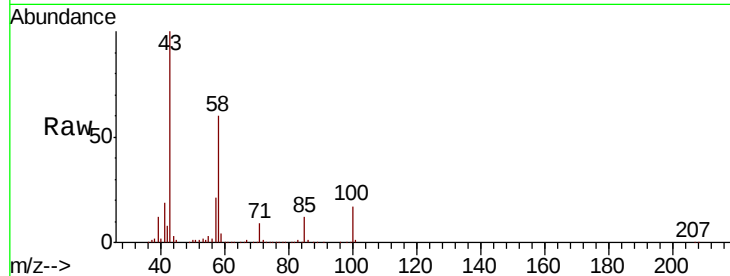
#59
2-Hexanone
Concen: 87.307 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.5	41.3	61.9
57	20.8	13.4	20.0

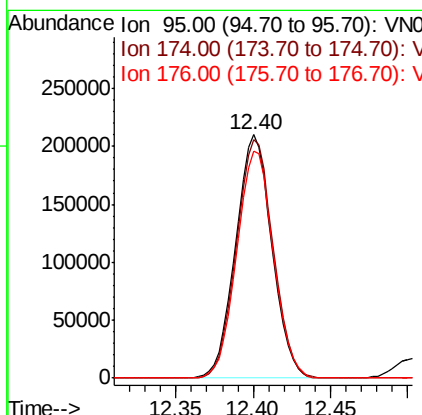
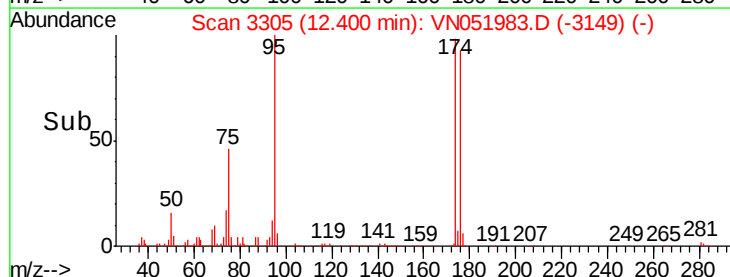
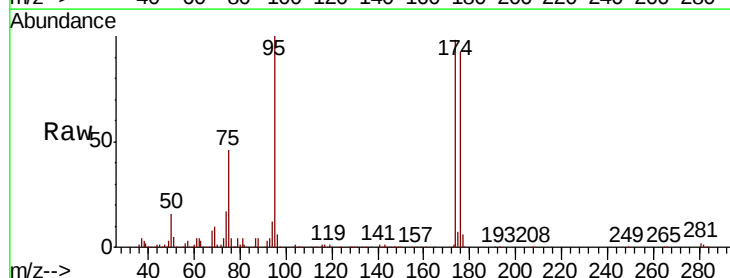
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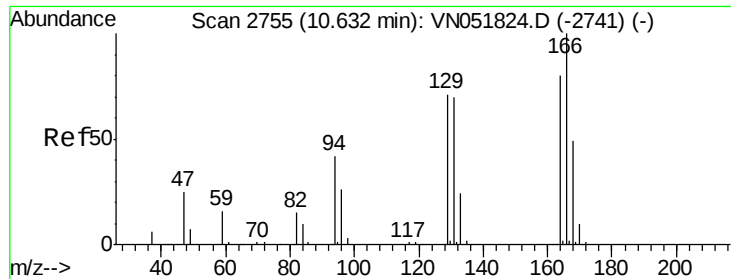
apatel
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#60
4-Bromofluorobenzene
Concen: 87.307 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.6	73.5	110.3
176	94.6	70.2	105.2





#61

Tetrachloroethene

Concen: 19.449 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion:164 Resp: 204589

Ion Ratio Lower Upper

164 100

166 123.0 98.7 148.1

129 86.9 69.6 104.4

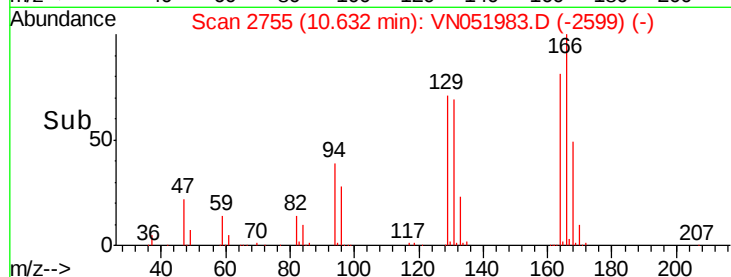
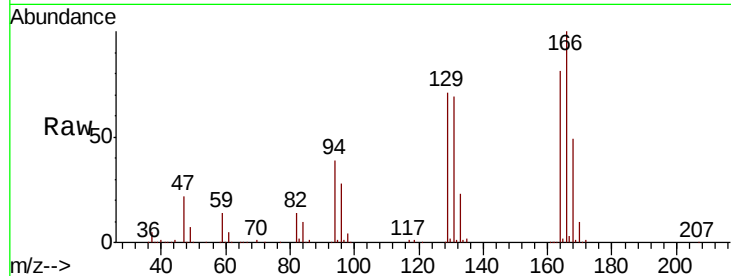
131 84.6 72.4 108.6

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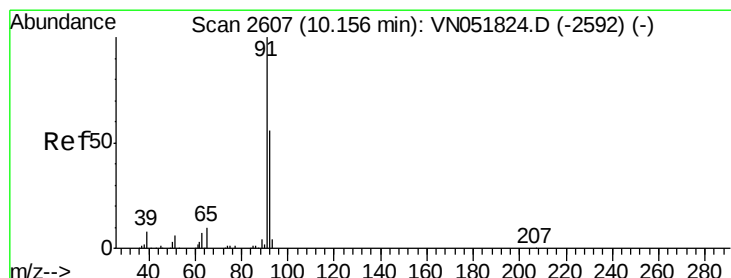
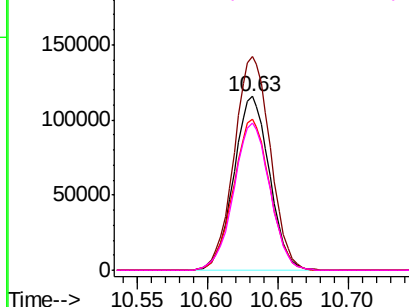
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.056 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051983.D

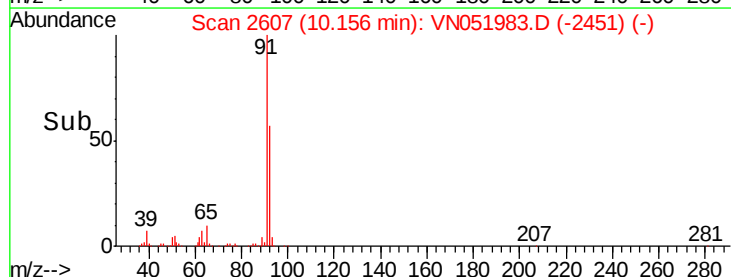
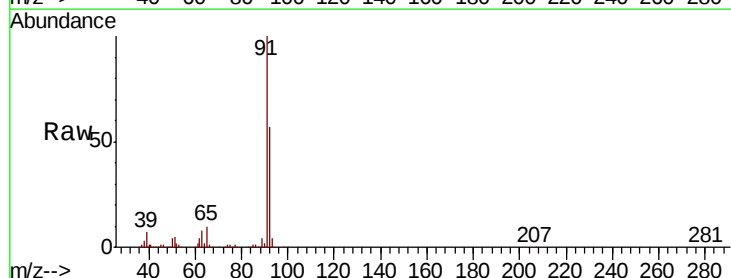
Acq: 24 Oct 2018 13:07

Tgt Ion: 91 Resp: 819544

Ion Ratio Lower Upper

91 100

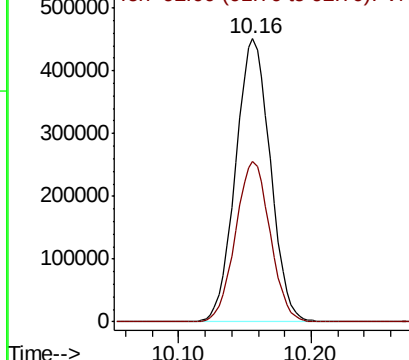
92 56.8 44.6 66.8

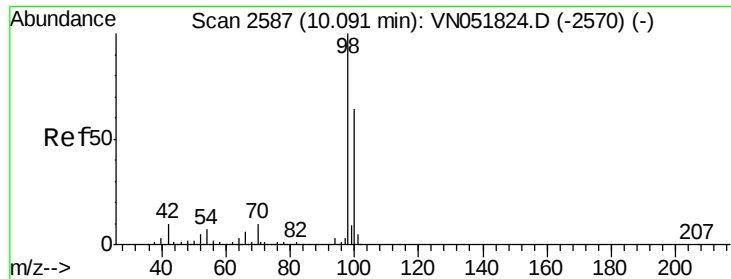


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





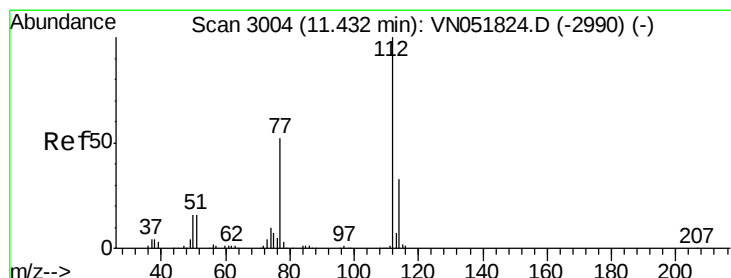
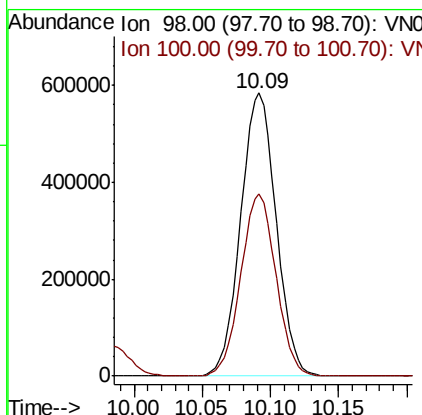
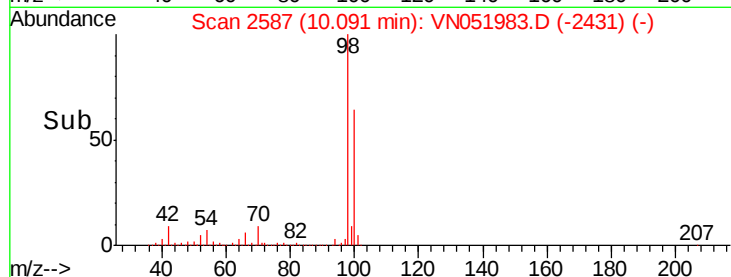
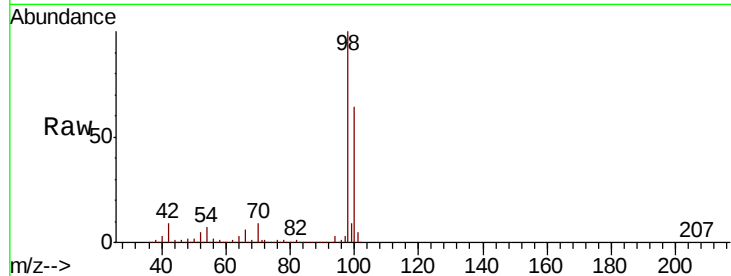
#63
Toluene-d8
Concen: 20.056 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion: 98 Resp: 1058606
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2

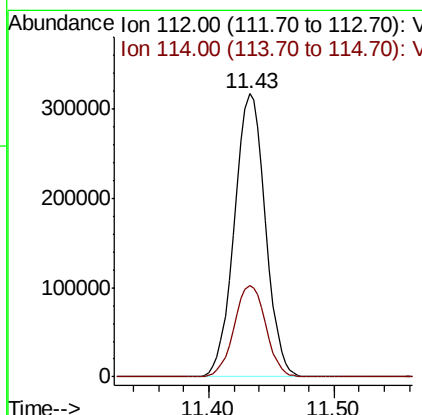
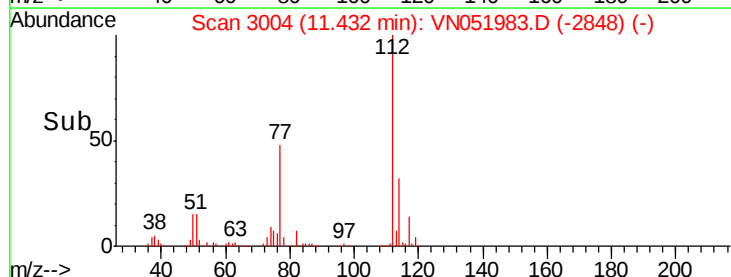
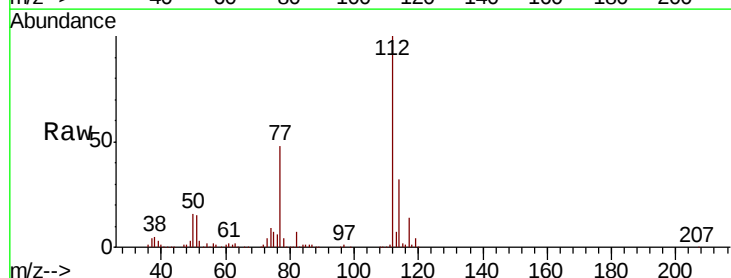
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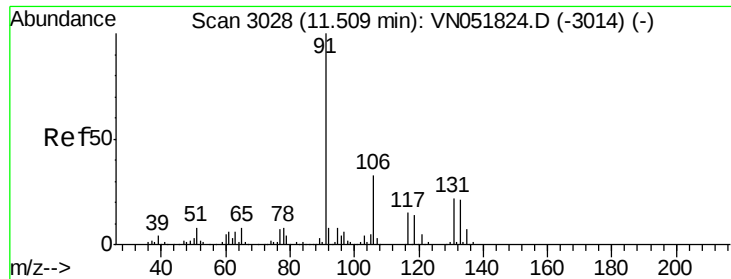
apatel
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#64
Chlorobenzene
Concen: 20.367 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion: 112 Resp: 545069
Ion Ratio Lower Upper
112 100
114 32.2 27.5 41.3





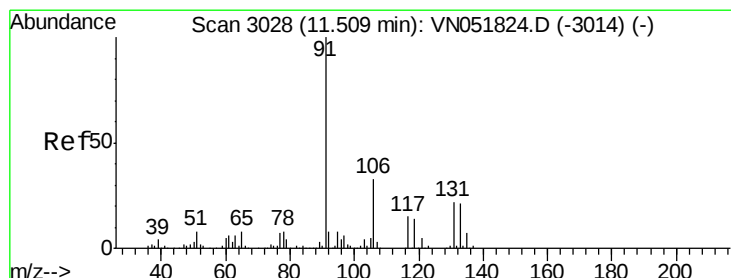
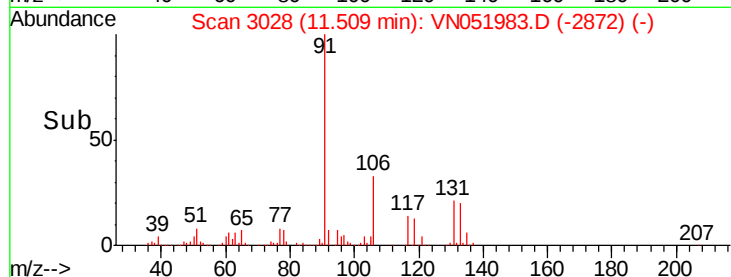
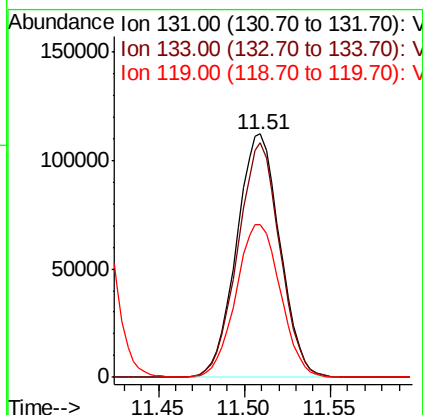
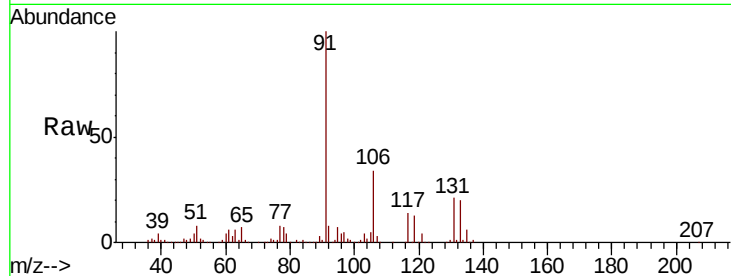
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.079 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
131	100	195980		
133	93.9	0.0	190.4	
119	64.7	0.0	128.0	

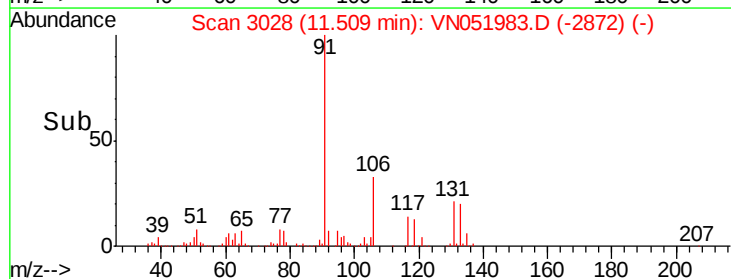
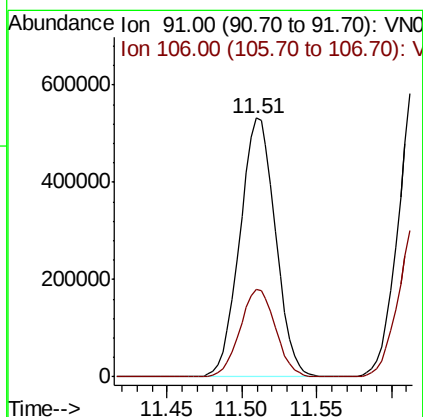
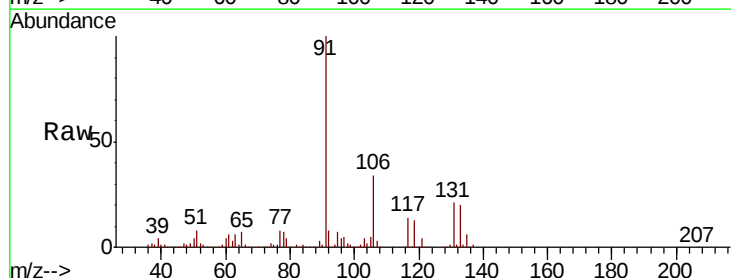
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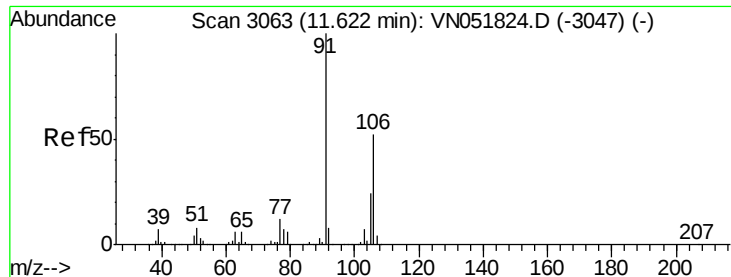
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#66
 Ethyl Benzene
 Concen: 19.536 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	882295		
106	33.7	25.9	38.9	





#67

m/p-Xylenes

Concen: 39.189 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion:106 Resp: 717549

Ion Ratio Lower Upper

106 100

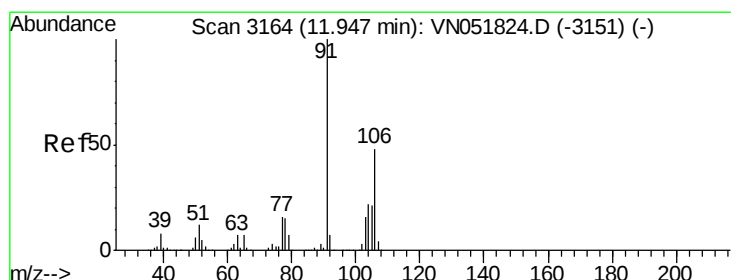
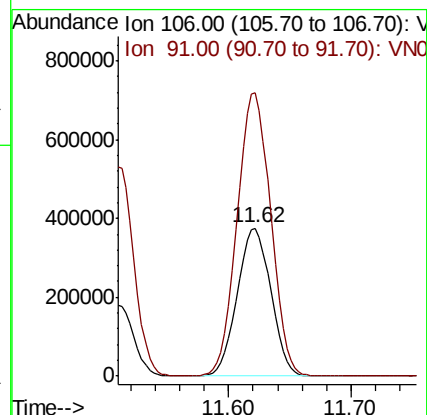
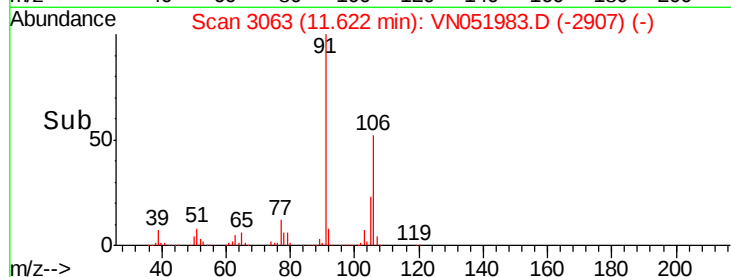
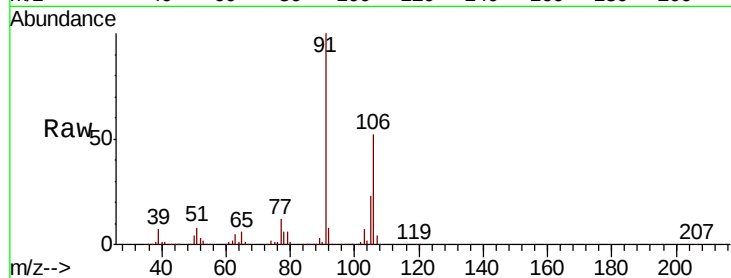
91 191.3 158.8 238.2

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#68

o-Xylene

Concen: 19.195 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051983.D

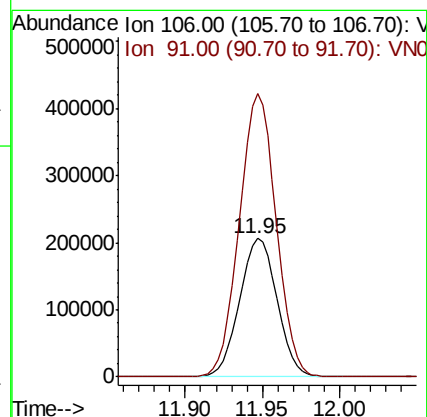
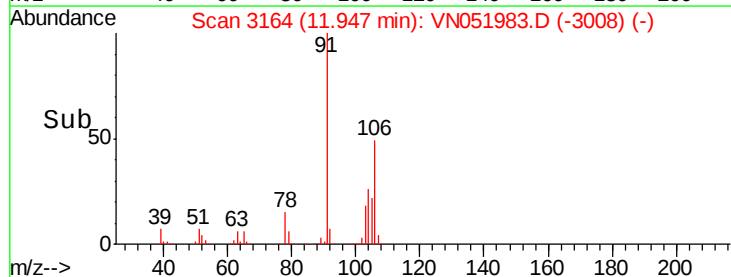
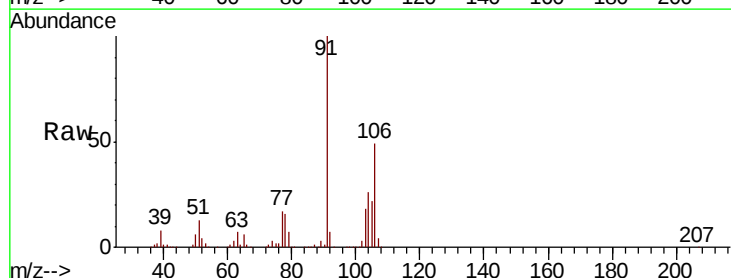
Acq: 24 Oct 2018 13:07

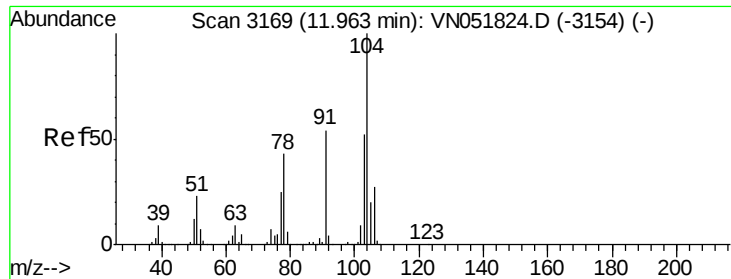
Tgt Ion:106 Resp: 346477

Ion Ratio Lower Upper

106 100

91 201.3 111.1 333.3





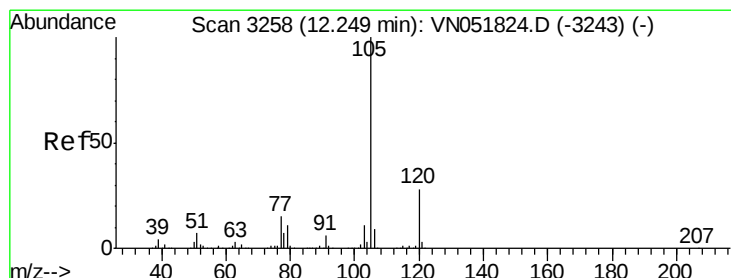
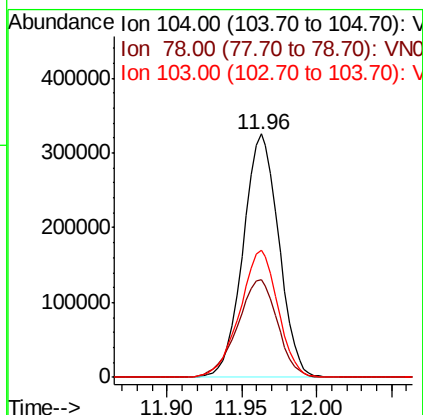
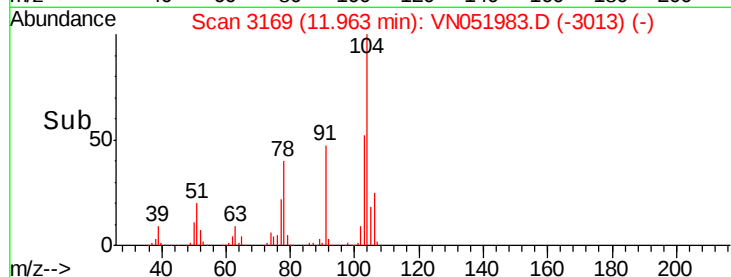
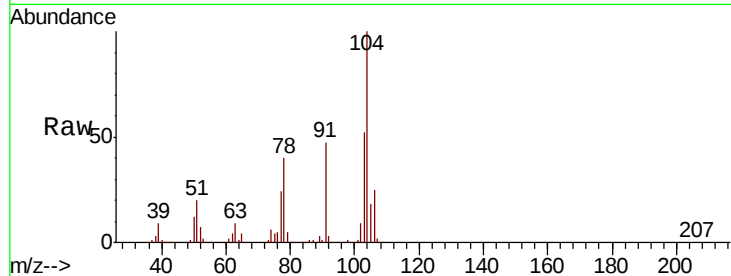
#69
Stvrene
Concen: 19.502 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	44.9	40.6	60.8
103	56.0	44.0	66.0

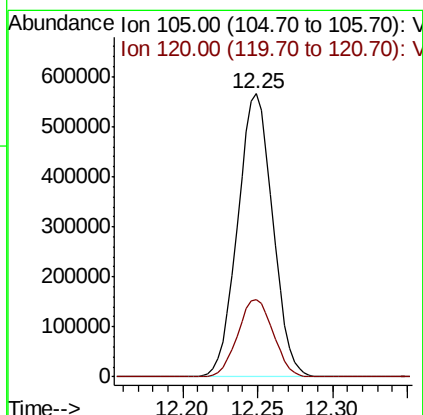
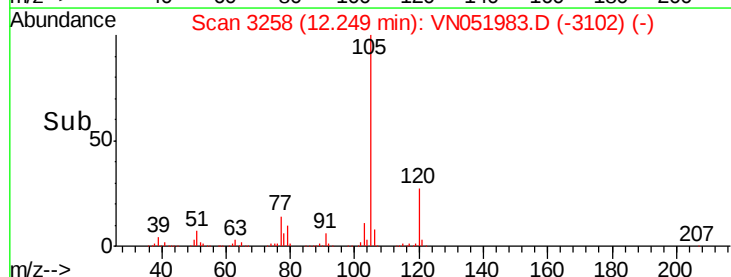
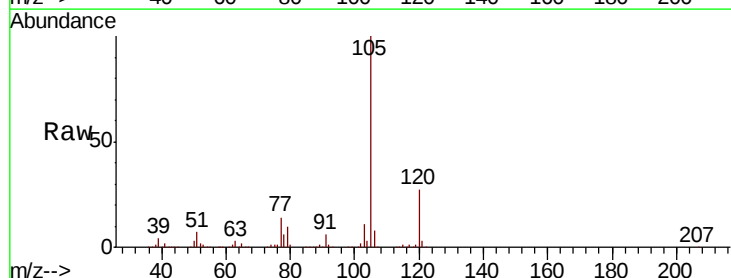
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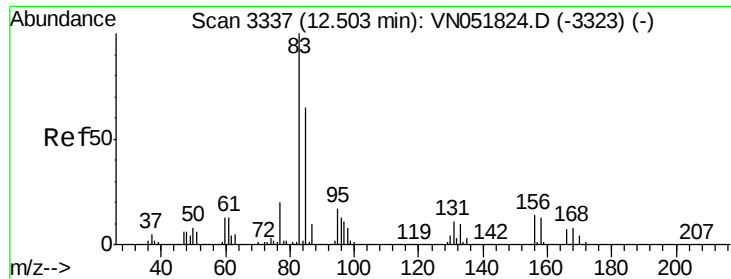
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#70
Isopropylbenzene
Concen: 19.162 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	19.0	35.4





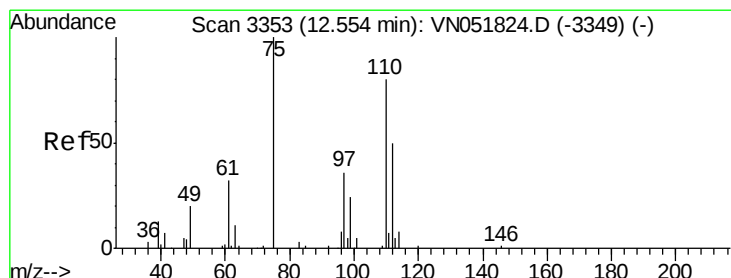
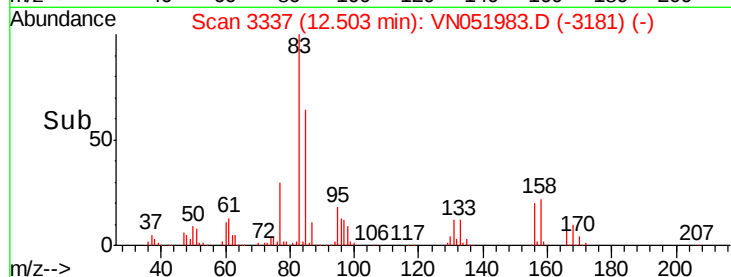
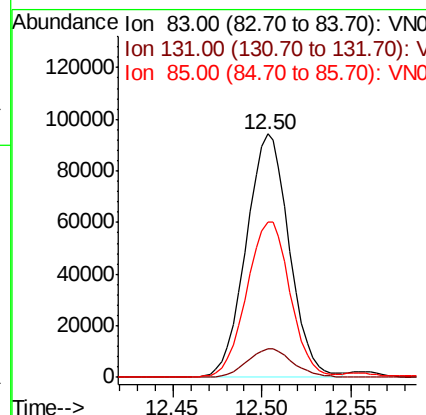
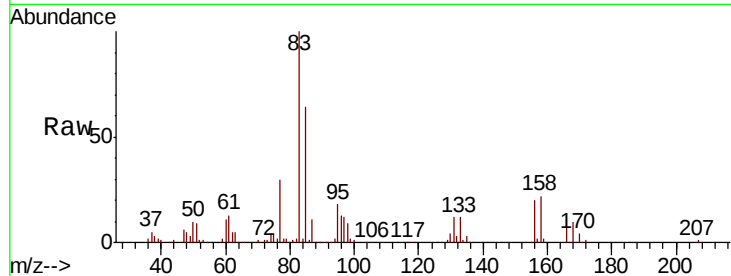
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.734 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	12.3	5.5	16.4	
85	64.6	30.6	91.8	

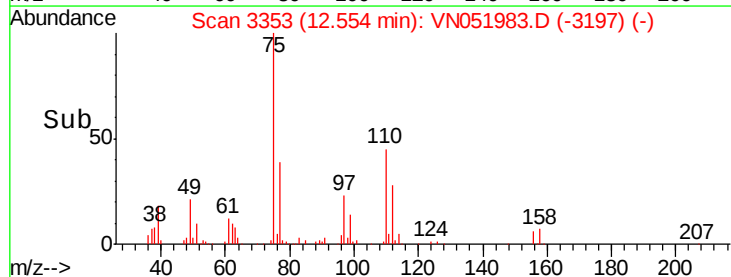
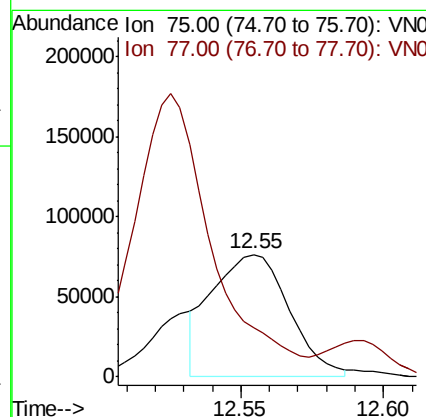
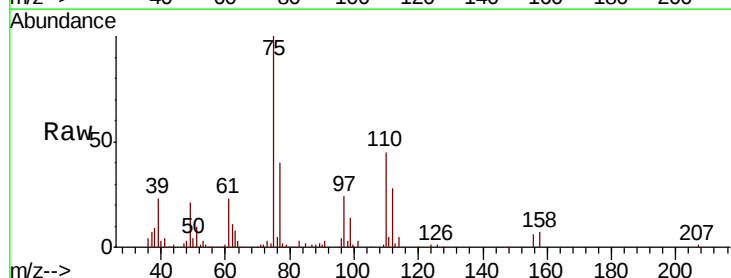
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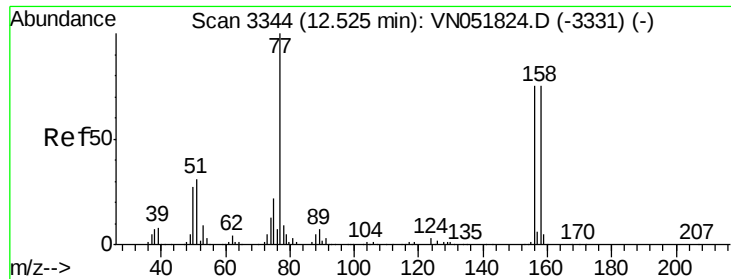
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#72
 1,2,3-Trichloropropane
 Concen: 19.386 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	233.9	0.0	400.0	





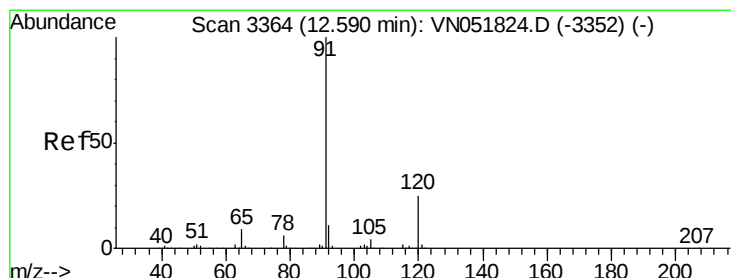
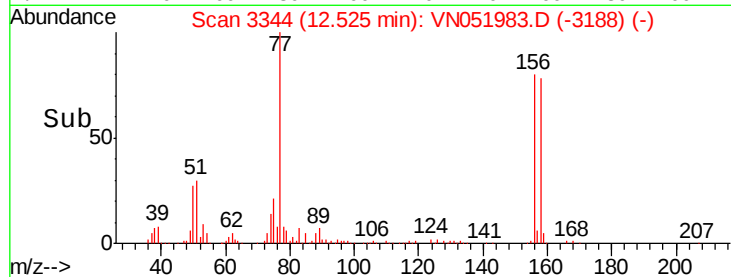
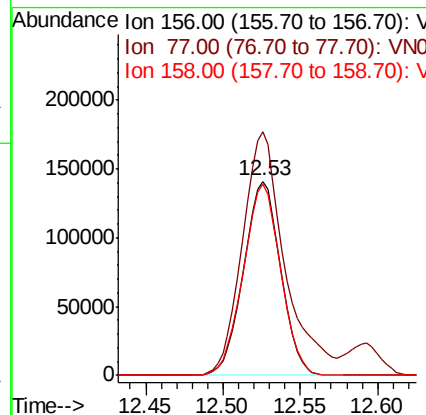
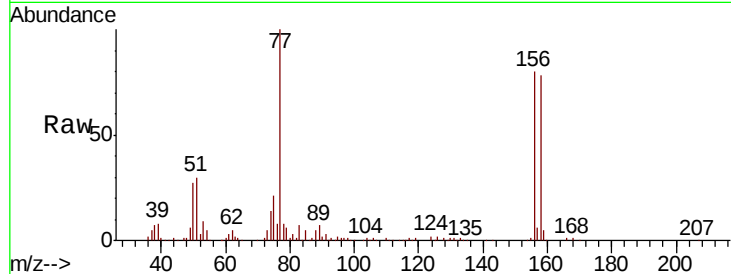
#73
Bromobenzene
Concen: 19.705 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
156	100	234941		
77	144.3	0.0	377.4	
158	99.3	0.0	203.0	

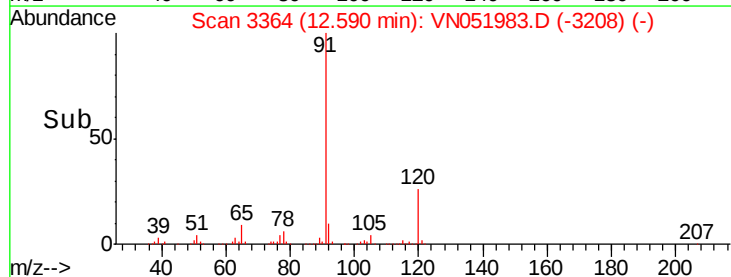
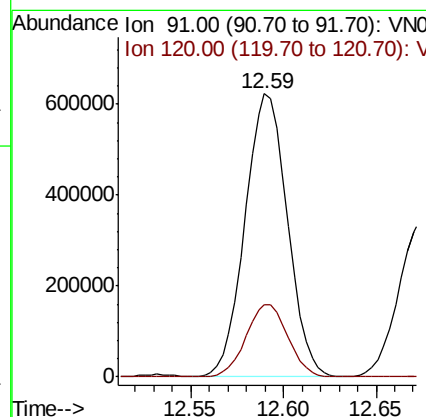
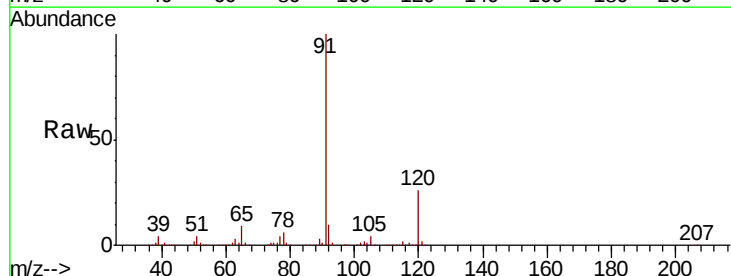
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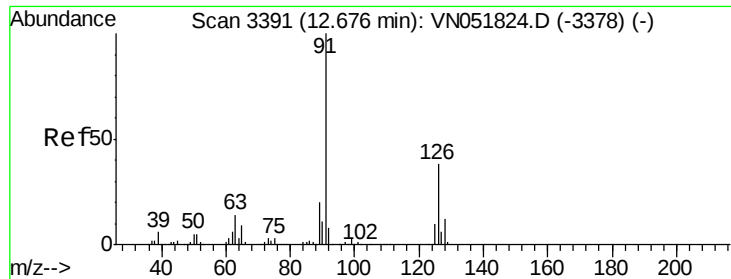
apatel
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#74
n-propylbenzene
Concen: 19.095 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	988673		
120	25.3	0.0	45.0	





#75

2-Chlorotoluene

Concen: 18.763 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion: 91 Resp: 569523

Ion Ratio Lower Upper

91 100

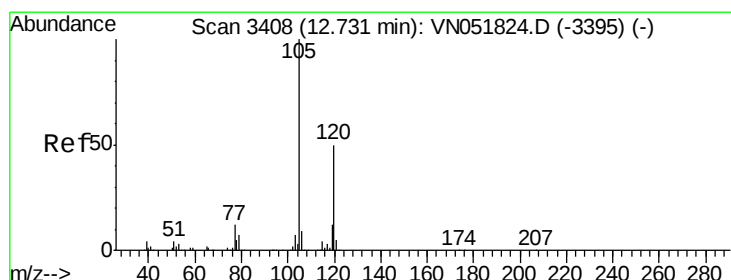
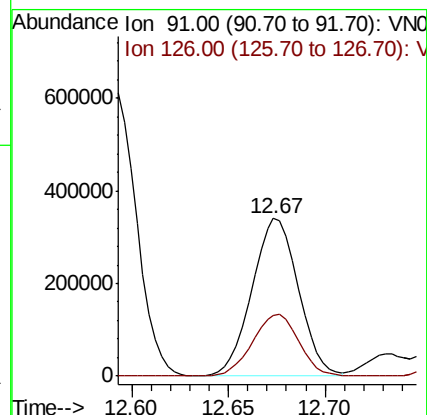
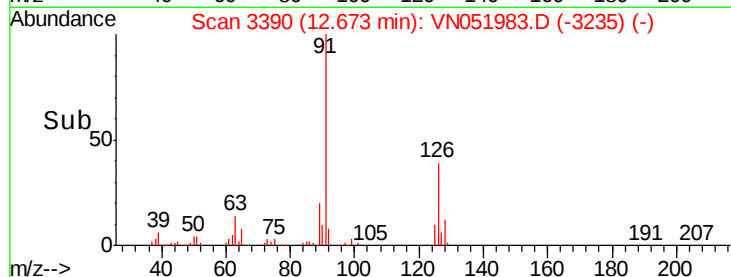
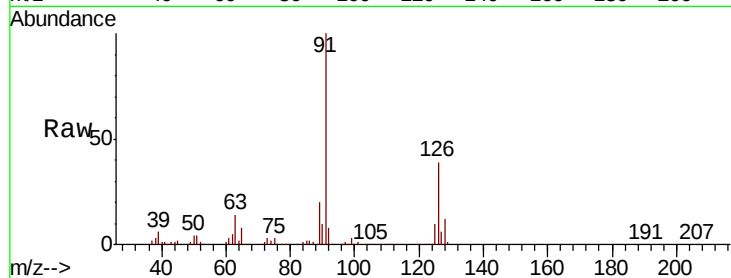
126 38.9 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 18.196 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051983.D

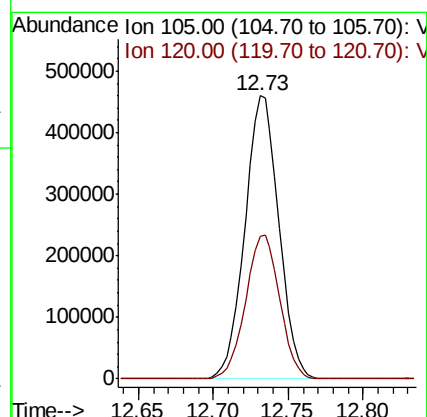
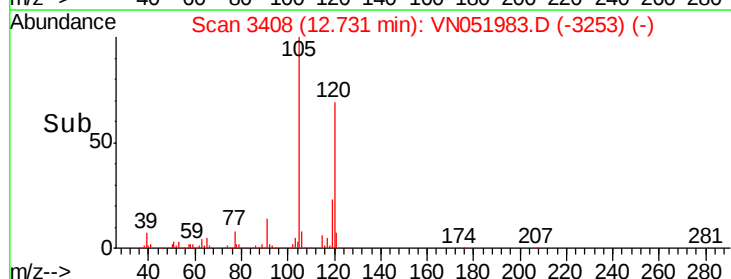
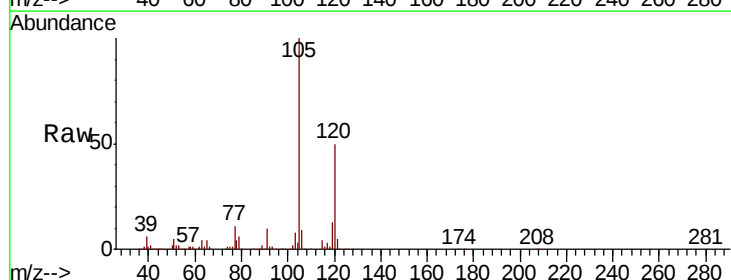
Acq: 24 Oct 2018 13:07

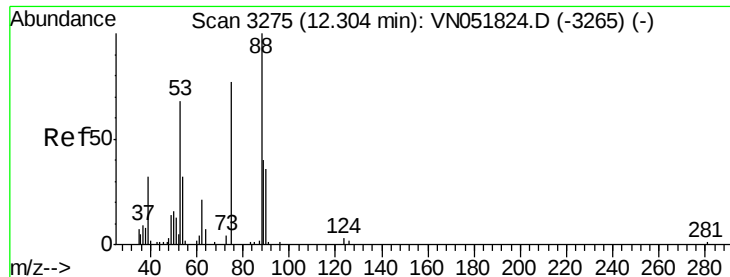
Tgt Ion: 105 Resp: 724277

Ion Ratio Lower Upper

105 100

120 51.1 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 12.967 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

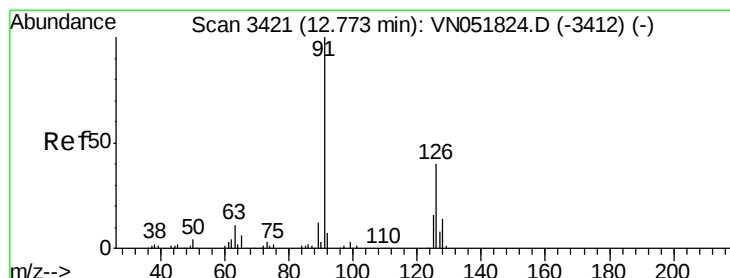
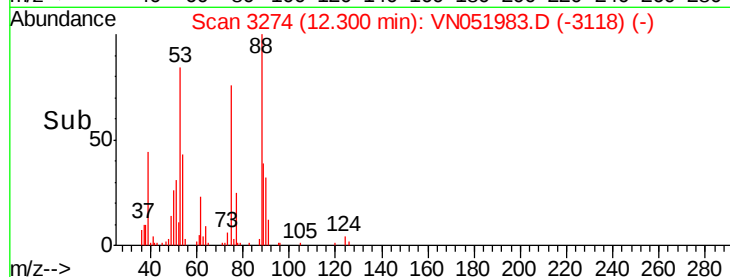
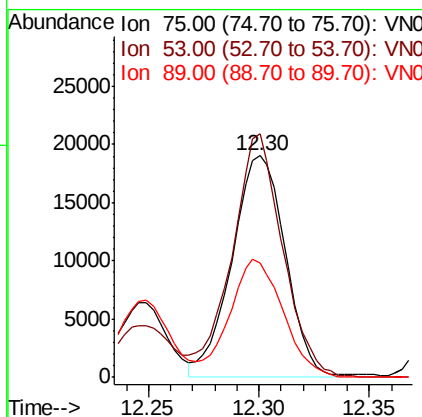
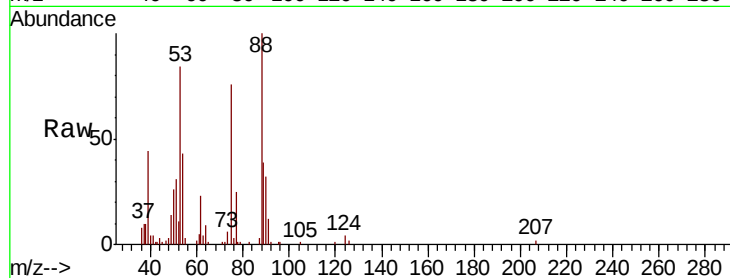
ClientSampleId :

VN1024WBSD02

Tot Ion:	75	Resp:	32071
Ion	Ratio	Lower	Upper
75	100		
53	110.3	46.3	138.9
89	52.3	24.6	73.8

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#78

4-Chlorotoluene

Concen: 19.330 ug/l

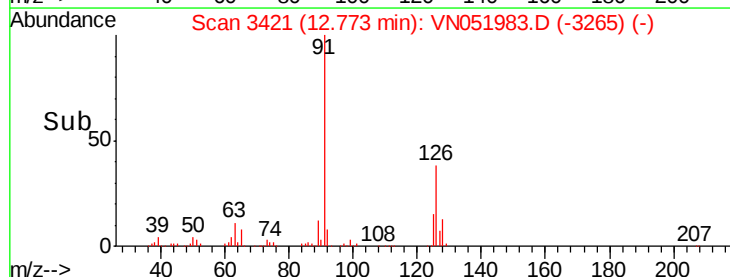
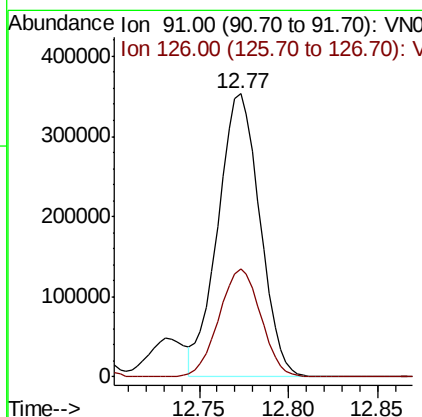
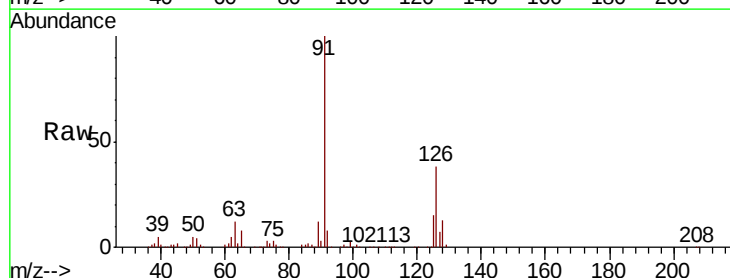
RT: 12.77 min Scan# 3421

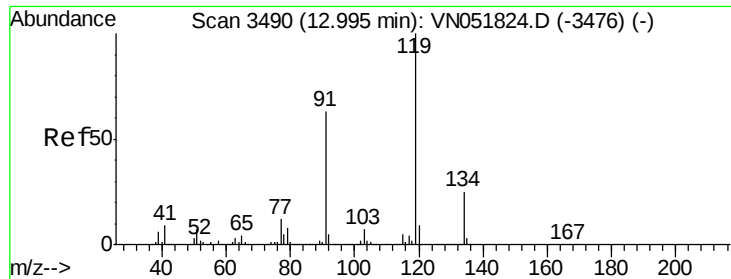
Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Tgt Ion:	91	Resp:	576476
Ion	Ratio	Lower	Upper
91	100		
126	38.0	0.0	65.2





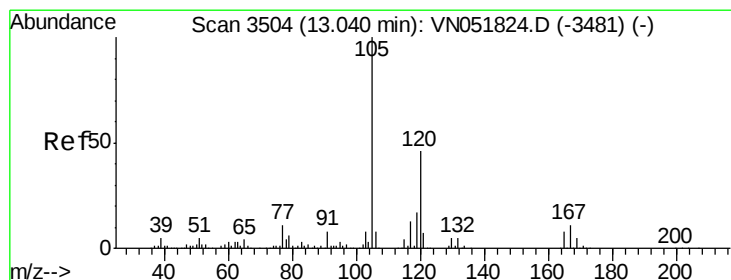
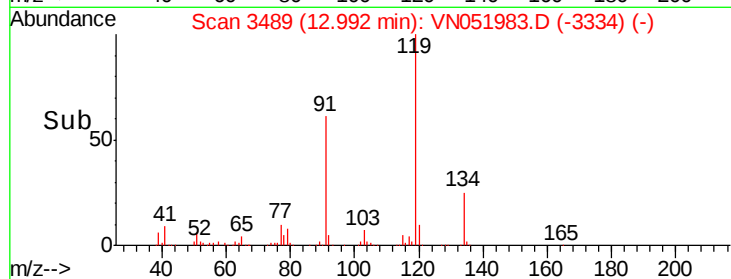
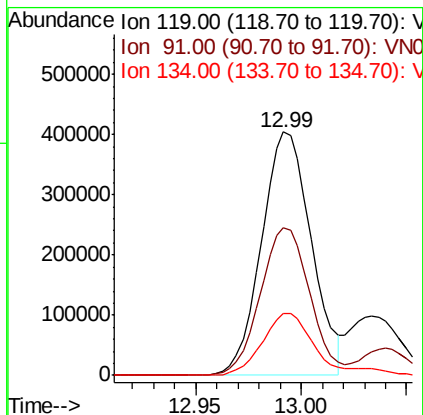
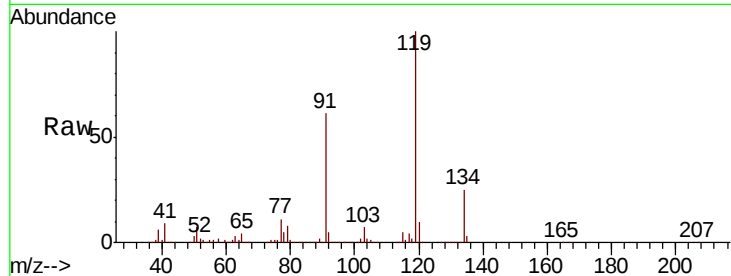
#79
tert-butylbenzene
Concen: 18.152 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	664463		
91	60.3	0.0	131.6	
134	25.6	0.0	46.2	

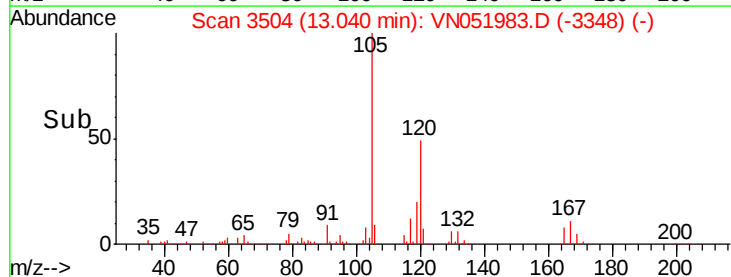
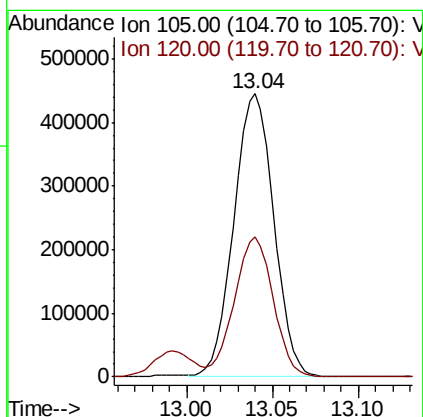
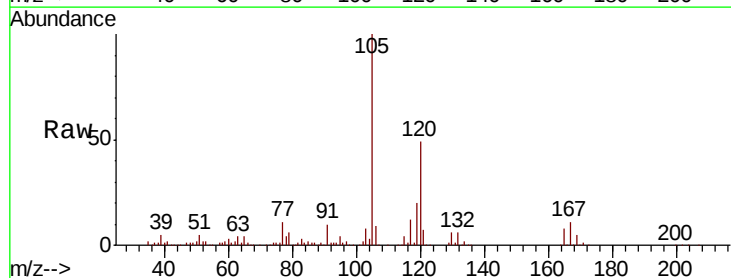
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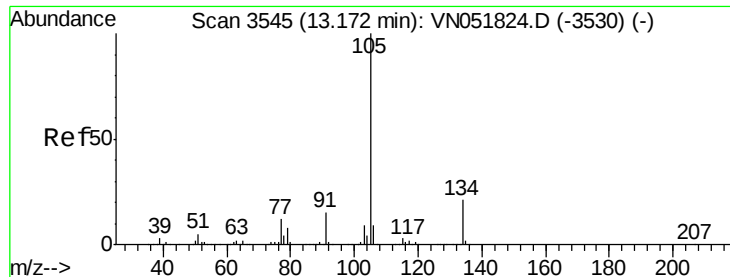
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#80
1,2,4-Trimethylbenzene
Concen: 18.065 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	718647		
120	47.9	0.0	89.6	





#81

sec-Butylbenzene

Concen: 18.243 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD02

Tot Ion:105 Resp: 873579

Ion Ratio Lower Upper

105 100

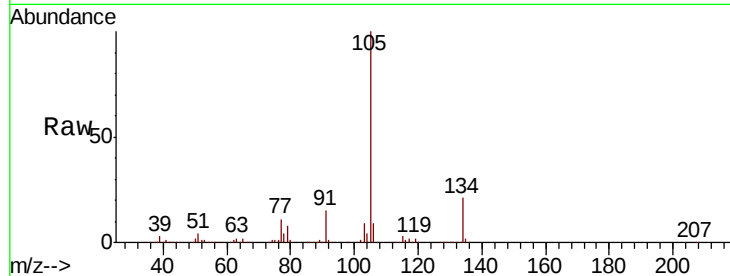
134 21.1 0.0 39.4

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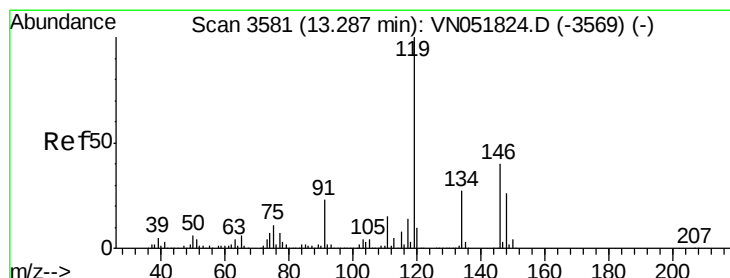
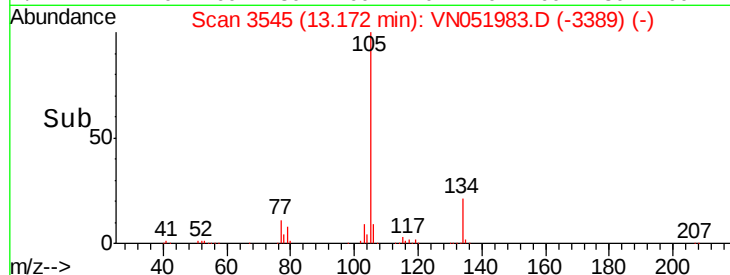
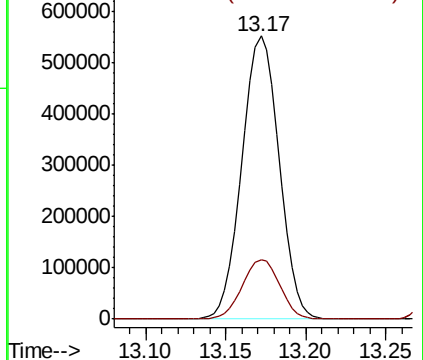
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.984 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

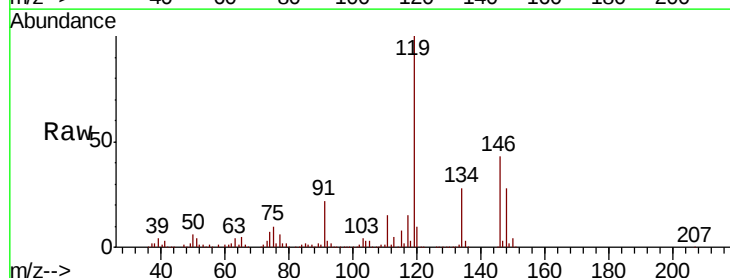
Tgt Ion:119 Resp: 770596

Ion Ratio Lower Upper

119 100

134 27.2 0.0 53.6

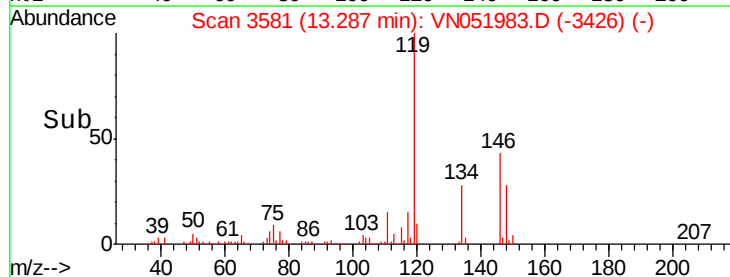
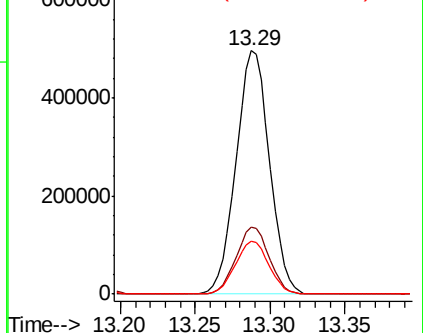
91 21.9 0.0 52.0

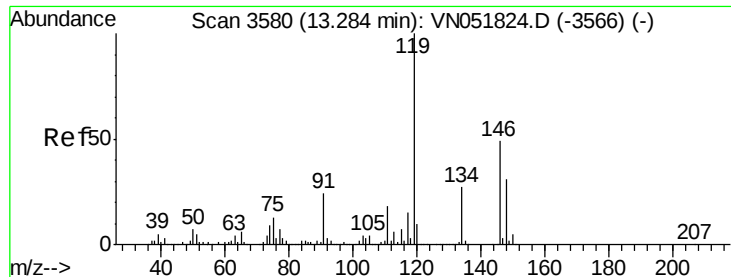


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





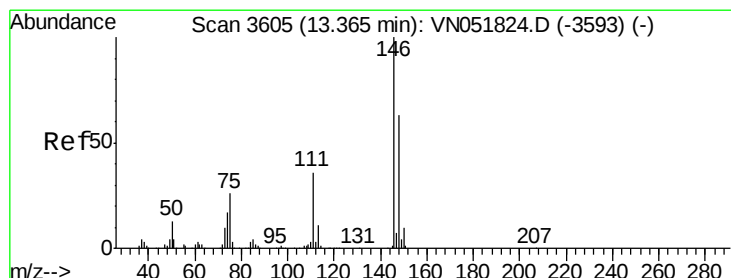
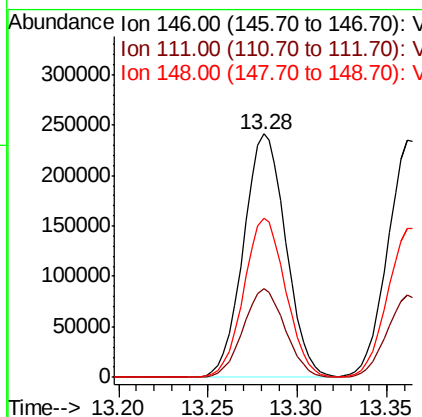
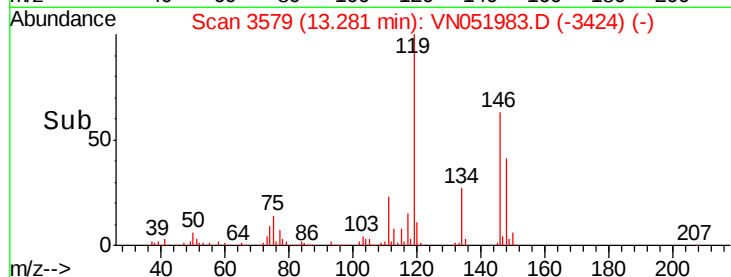
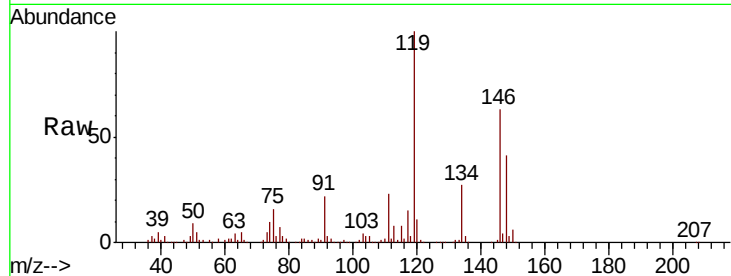
#83
 1,3-Dichlorobenzene
 Concen: 19.055 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.3
148	64.7	31.3	93.8

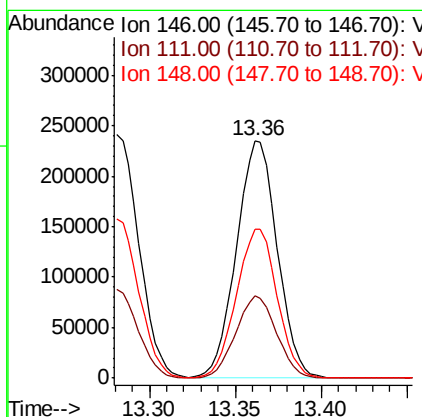
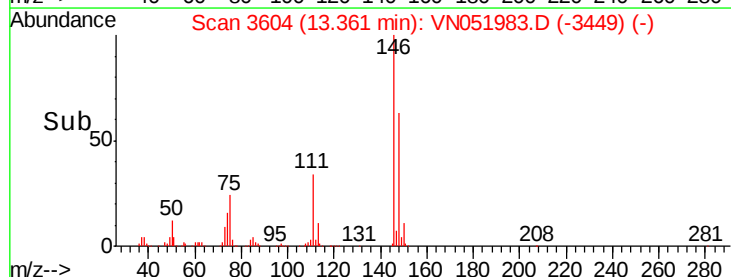
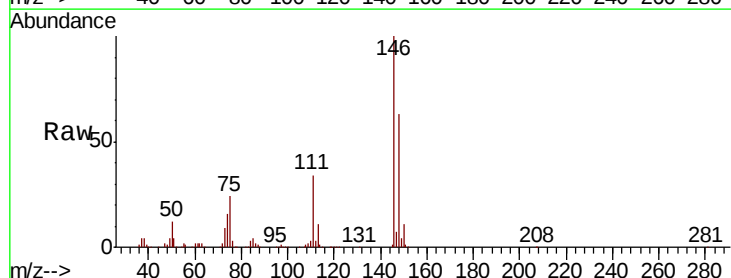
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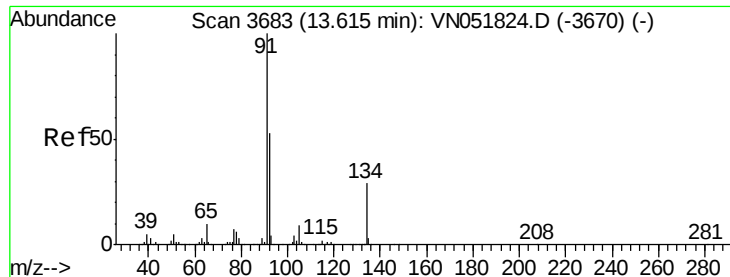
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#84
 1,4-Dichlorobenzene
 Concen: 19.554 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051983.D
 Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.4	52.2
148	62.8	32.8	98.3





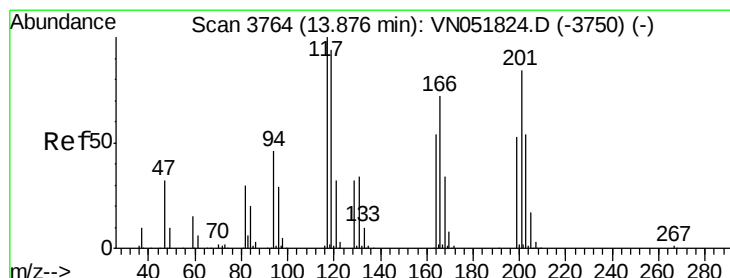
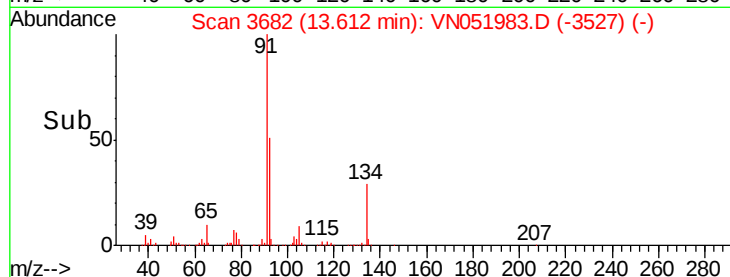
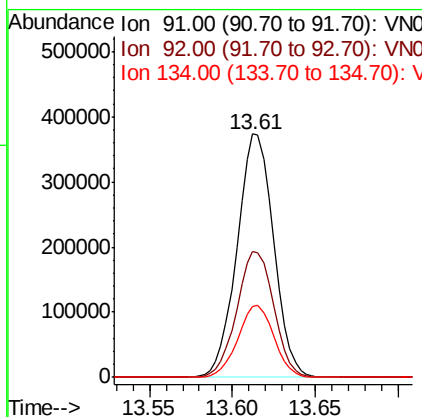
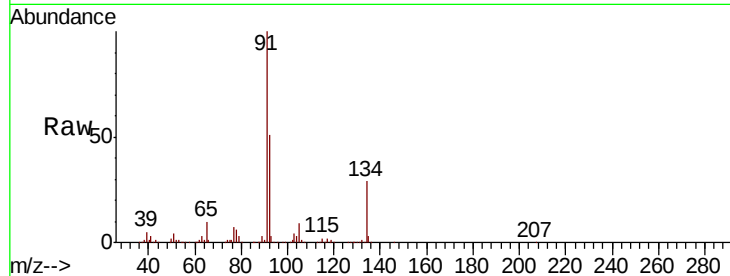
#85
n-Butylbenzene
Concen: 17.731 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	572923		
92	52.1		0.0	97.4
134	29.1		0.0	49.6

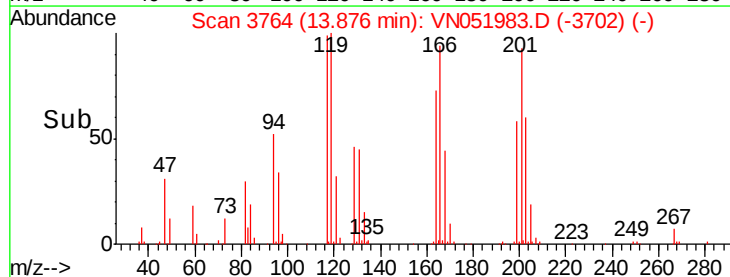
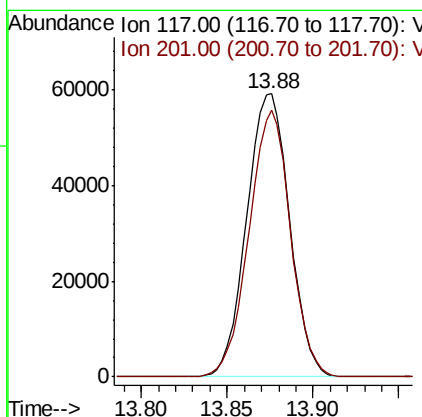
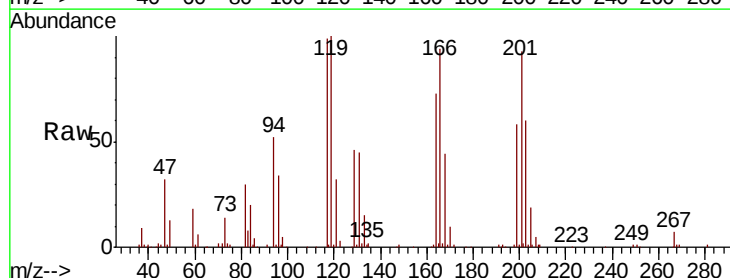
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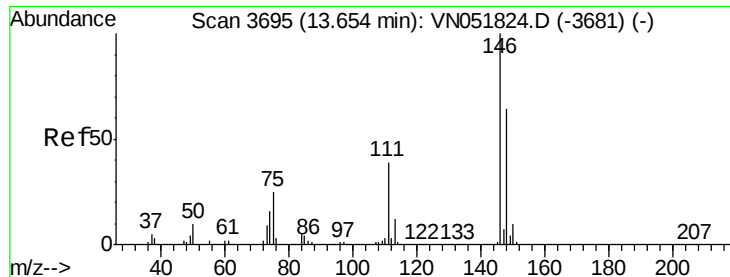
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#86
Hexachloroethane
Concen: 13.859 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	102396		
201	90.9		47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 17.717 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Instrument :

MSVOA_N

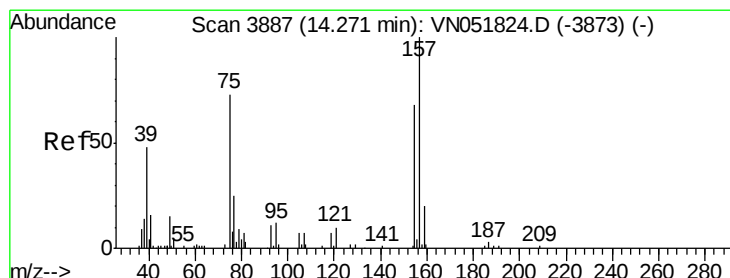
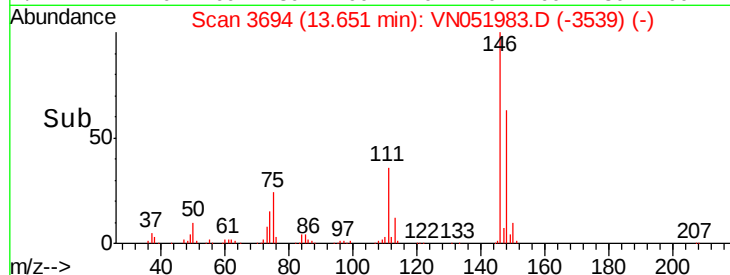
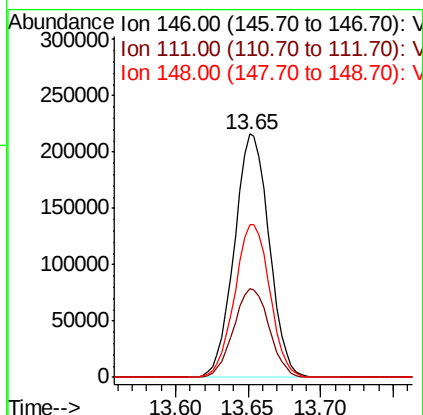
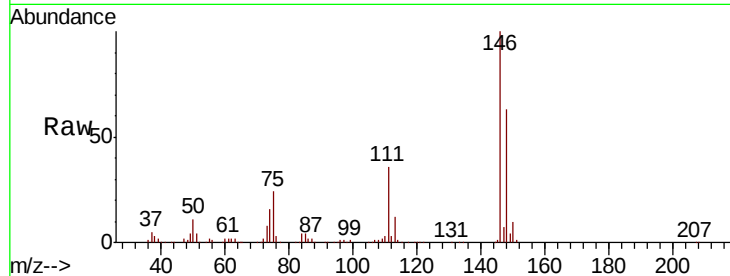
ClientSampleId :

VN1024WBSD02

Tot Ion:	146	Resp:	360842
Ion Ratio	Lower	Upper	
146	100		
111	37.1	20.8	62.2
148	63.4	33.2	99.6

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#88

1,2-Dibromo-3-Chloropropane

Concen: 12.152 ug/l

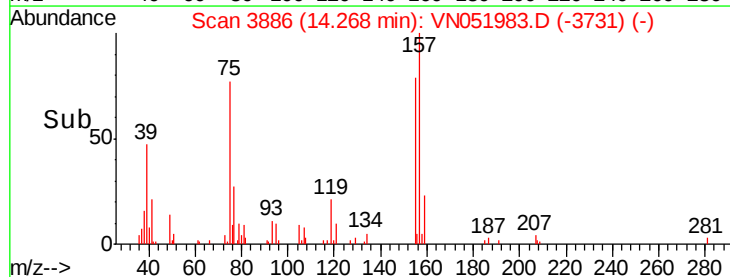
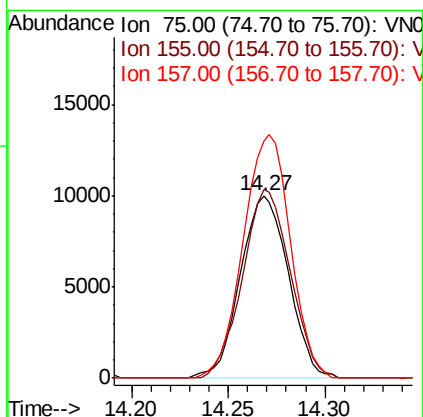
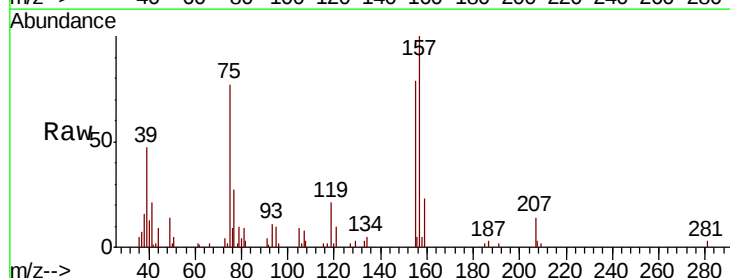
RT: 14.27 min Scan# 3886

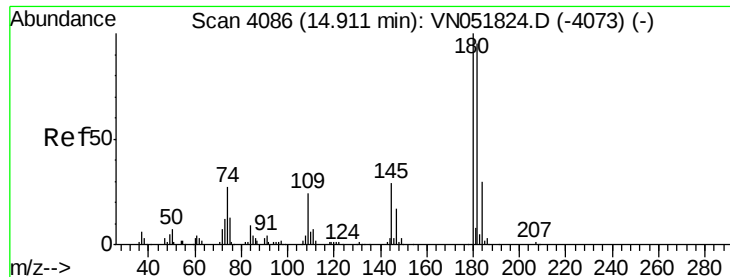
Delta R.T. -0.00 min

Lab File: VN051983.D

Acq: 24 Oct 2018 13:07

Tgt Ion:	75	Resp:	17251
Ion Ratio	Lower	Upper	
75	100		
155	102.8	57.0	85.6#
157	131.3	87.4	131.0#





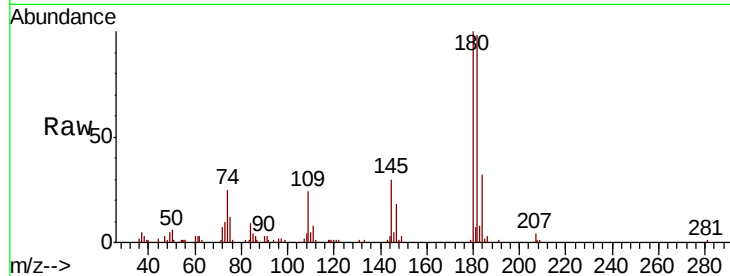
#89
1,2,4-Trichlorobenzene
Concen: 16.446 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.7	116.5
145	29.6	23.4	35.2

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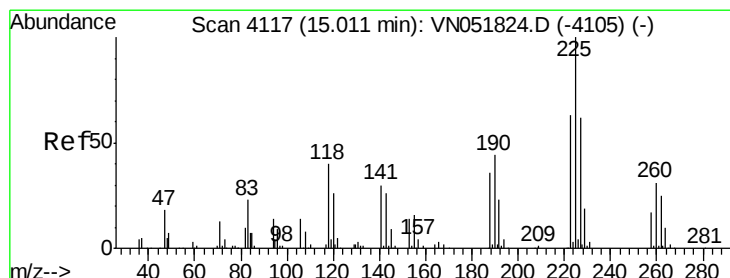
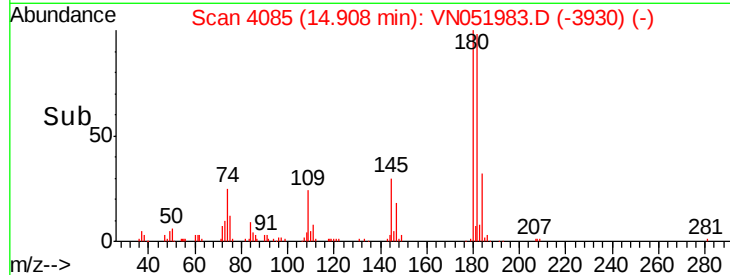
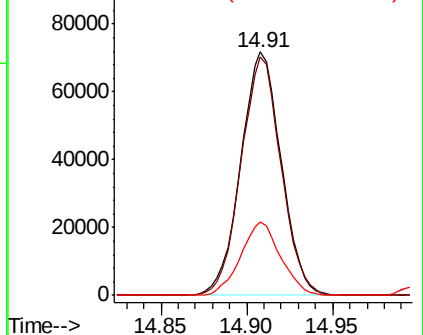


Abundance

Ion 180.00 (179.70 to 180.70): V

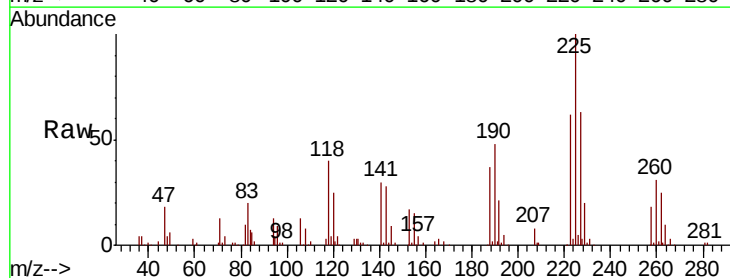
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 13.248 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	117.0
227	62.5	0.0	127.0

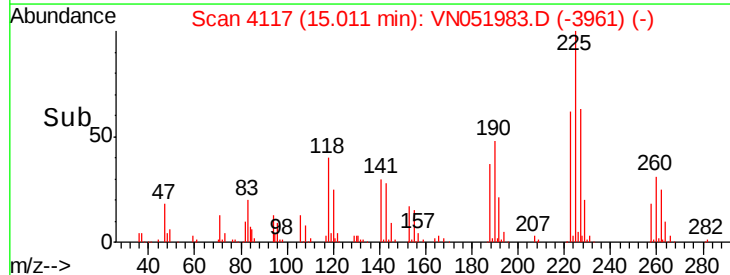
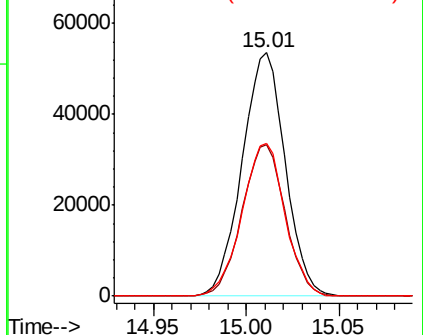


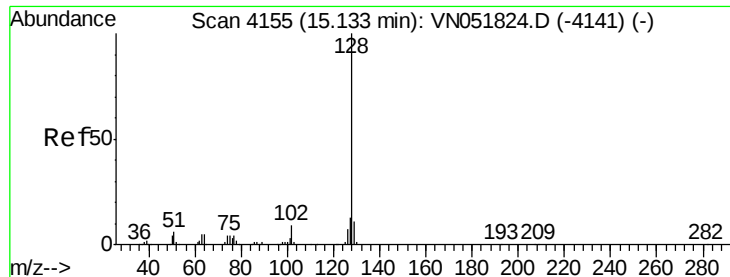
Abundance

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





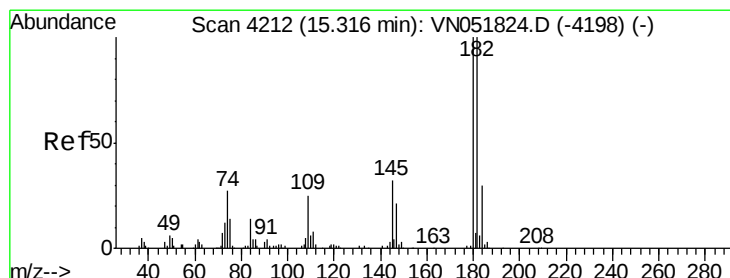
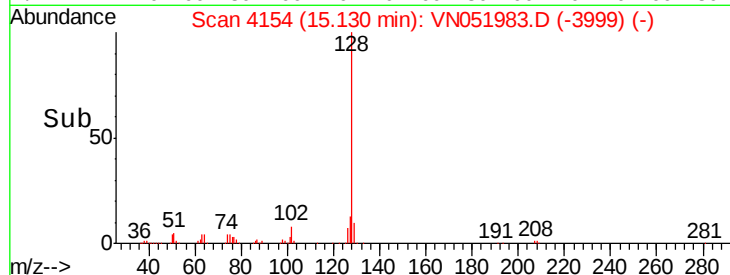
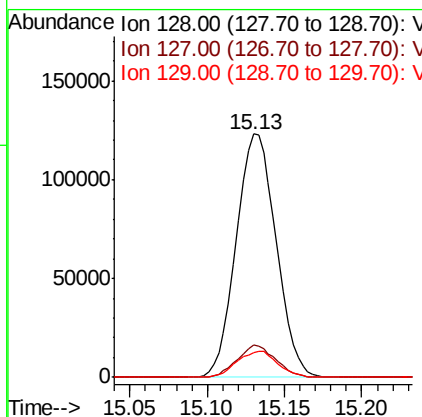
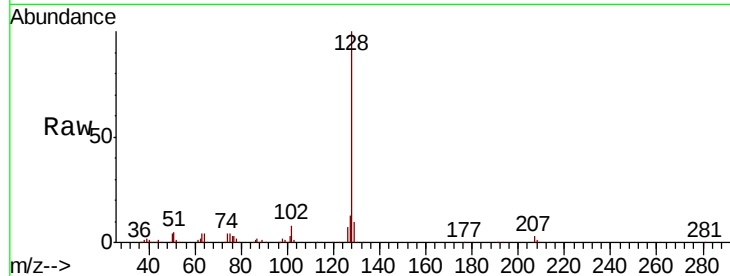
#91
Naphthalene
Concen: 16.465 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.0	8.4	12.6

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#92
1,2,3-Trichlorobenzene
Concen: 9.617 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051983.D
Acq: 24 Oct 2018 13:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	0.0	198.0
145	30.8	0.0	36.8

