

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051969.D
 Acq On : 23 Oct 2018 18:12
 Operator : MD\SY
 Sample : VN1023WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:52 AM

Quant Time: Oct 24 07:40:02 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	155758	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	904640	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	817444	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	285905	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	12.40	95	354034	30.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.10%
63) Toluene-d8	10.09	98	1056653	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	136172	22.503	ug/l 98
3) Chloromethane	2.06	50	121030	18.925	ug/l 97
4) Vinyl Chloride	2.19	62	156758	16.413	ug/l 97
5) Bromomethane	2.58	94	158915	18.832	ug/l 88
6) Chloroethane	2.71	64	114527	16.639	ug/l 97
7) Trichlorofluoromethane	3.03	101	284152	20.869	ug/l 98
8) Diethyl Ether	3.42	74	82753	20.877	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.77	101	174042	22.444	ug/l # 41
10) 1,1-Dichloroethene	3.75	96	151287	21.096	ug/l 81
11) Methyl Iodide	3.96	142	257173	24.669	ug/l 95
12) Methyl Acetate	4.33	43	86632	19.454	ug/l 98
13) Acrolein	3.61	56	10197m	34.755	ug/l
14) Acrylonitrile	4.99	53	193613	97.280	ug/l # 62
15) Acetone	3.82	58	43695	88.812	ug/l 100
16) Carbon Disulfide	4.06	76	345010	18.319	ug/l 98
17) Allyl chloride	4.33	41	145218	17.057	ug/l 77
18) Methylene Chloride	4.56	84	174053	21.707	ug/l 88
19) trans-1,2-Dichloroethene	5.05	96	168300	20.553	ug/l # 78
20) Diisopropyl ether	5.96	45	373032	19.673	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	271744	20.510	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	200143	20.809	ug/l # 80
23) tert-Butyl Alcohol	4.78	59	41783	79.712	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	398723	19.298	ug/l # 70
25) Chloroform	7.37	83	333116	21.193	ug/l 99
26) Cyclohexane	7.66	56	209567	18.657	ug/l # 66
29) 1,1-Dichloropropene	7.80	75	228027	19.555	ug/l 92
30) 2-Butanone	6.84	43	200770	82.375	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	246035	17.936	ug/l # 89
32) 1,1,1-Trichloroethane	7.58	97	302676	19.578	ug/l 94
33) Carbon Tetrachloride	7.78	117	267820	19.148	ug/l 92
34) Benzene	8.04	78	701013	20.323	ug/l # 66
35) Methacrylonitrile	7.17	41	34923	10.906	ug/l # 68
36) 1,2-Dichloroethane	8.13	62	219092	19.823	ug/l # 94
37) Trichloroethene	8.84	130	220230	20.568	ug/l 96
38) Methylcyclohexane	9.08	83	277634	18.563	ug/l 78
39) 1,2-Dichloropropane	9.12	63	160135	19.714	ug/l 98
40) Dibromomethane	9.21	93	122152	20.261	ug/l 94

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Manual Integrations
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MMDadoda
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Quant Time: Oct 24 07:40:02 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)

41) Bromodichloromethane	9.40	83	240332	19.300	ug/l	94
42) Vinyl Acetate	5.90	43	1208922	88.113	ug/l #	88
43) Ethyl Acetate	6.93	43	89459	16.904	ug/l	100
44) Isopropyl Acetate	8.17	43	178873	16.922	ug/l	100
45) 1,4-Dioxane	9.20	88	32688	385.122	ug/l #	74
46) Methyl methacrylate	9.20	41	90606	18.583	ug/l	68
47) n-amyl Acetate	12.07	43	165402m	18.692	ug/l	
48) t-1,3-Dichloropropene	10.38	75	211963	17.455	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	252750	18.881	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	168478	20.226	ug/l	94
51) Ethyl methacrylate	10.43	69	175973	18.452	ug/l	82
52) 1,3-Dichloropropane	10.71	76	257773	20.051	ug/l	97
53) Dibromochloromethane	10.90	129	184679	17.922	ug/l	96
54) 1,2-Dibromoethane	11.00	107	174706	19.982	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	466636	114.460	ug/l #	91
56) Bromoform	12.13	173	106892	15.728	ug/l	95
58) 4-Methyl-2-Pentanone	9.98	43	484784	88.621	ug/l #	86
59) 2-Hexanone	10.75	43	321636	87.153	ug/l #	90
61) Tetrachloroethene	10.63	164	205694	19.676	ug/l	97
62) Toluene	10.16	91	830399	20.448	ug/l	98
64) Chlorobenzene	11.43	112	550433	20.696	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	201556	19.744	ug/l	99
66) Ethyl Benzene	11.51	91	899116	20.033	ug/l	99
67) m/p-Xylenes	11.62	106	730337	40.137	ug/l	95
68) o-Xylene	11.95	106	355600	19.824	ug/l	87
69) Styrene	11.96	104	563670	20.481	ug/l	96
70) Isopropylbenzene	12.25	105	945966	19.776	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	184520	19.533	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	153123m	20.604	ug/l	
73) Bromobenzene	12.53	156	257698	21.749	ug/l	76
74) n-propylbenzene	12.59	91	1023912	19.900	ug/l	94
75) 2-Chlorotoluene	12.67	91	603647	20.011	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	776408	19.628	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	35882	14.599	ug/l	98
78) 4-Chlorotoluene	12.77	91	615982	20.784	ug/l	89
79) tert-butylbenzene	12.99	119	718403	19.749	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	796801	20.155	ug/l	97
81) sec-Butylbenzene	13.17	105	943681	19.830	ug/l	96
82) p-Isopropyltoluene	13.29	119	853465	20.042	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	455103	21.768	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	452220	22.976	ug/l	98
85) n-Butylbenzene	13.61	91	655716	20.420	ug/l	94
86) Hexachloroethane	13.87	117	122007	16.617	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	447910	22.129	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26760	18.969	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	241501	25.805	ug/l	98
90) Hexachlorobutadiene	15.01	225	134445	20.611	ug/l	97
91) Naphthalene	15.13	128	519913	27.313	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	228906	24.857	ug/l	93

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ClientSampleId :
VN1023WBS01

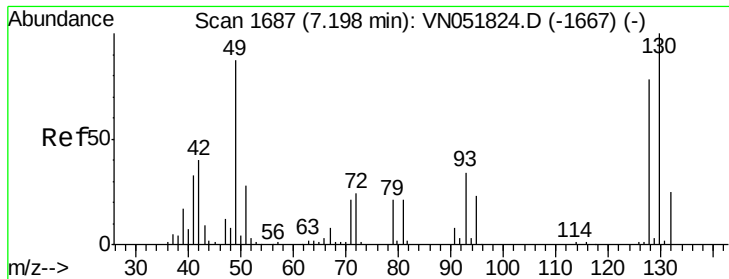
Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:52 AM

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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



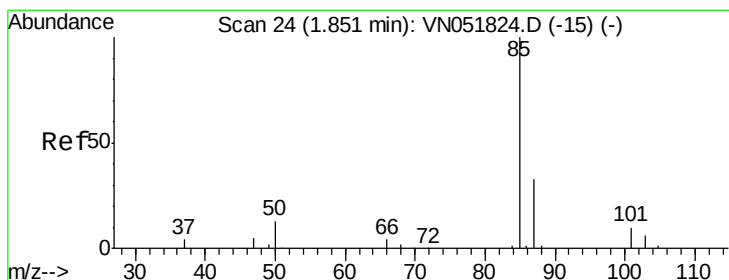
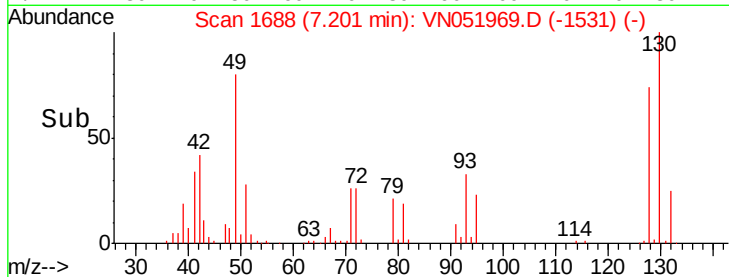
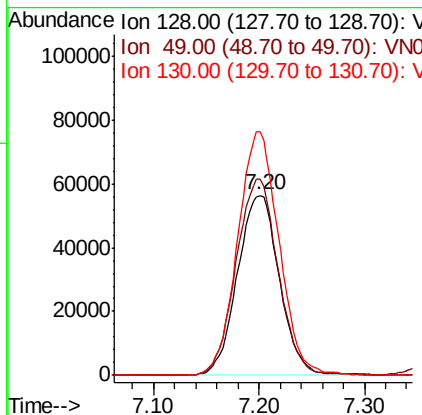
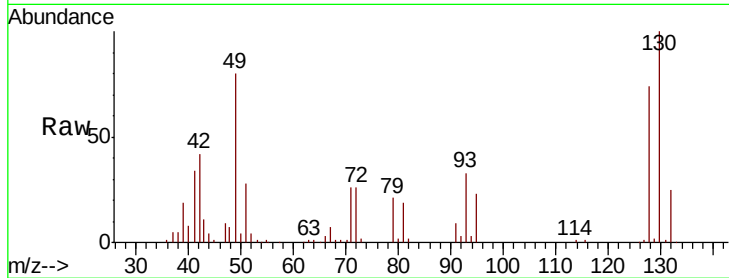
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	109.8	0.0	403.3
130	133.3	0.0	326.0

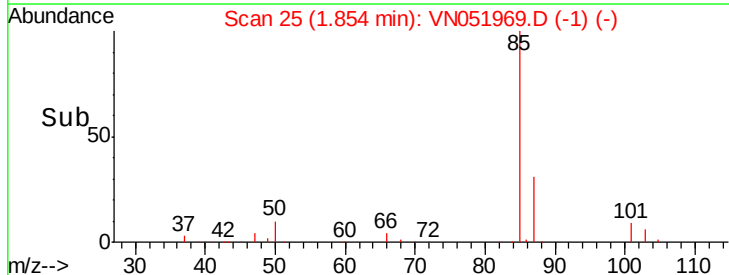
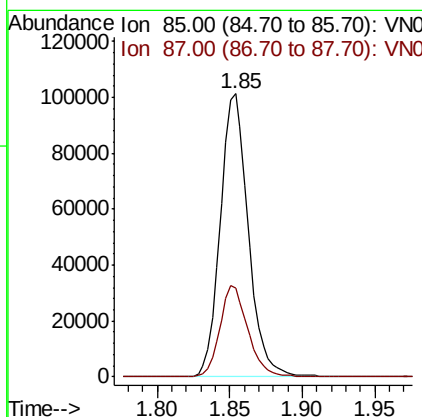
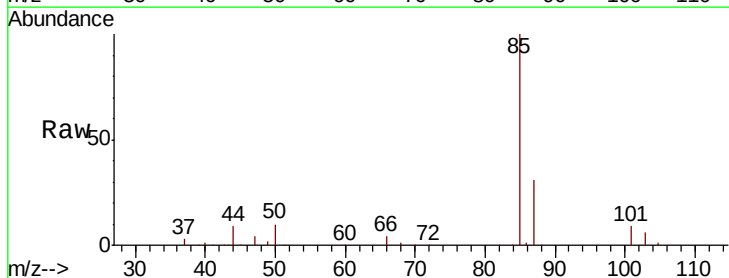
Manual Integrations
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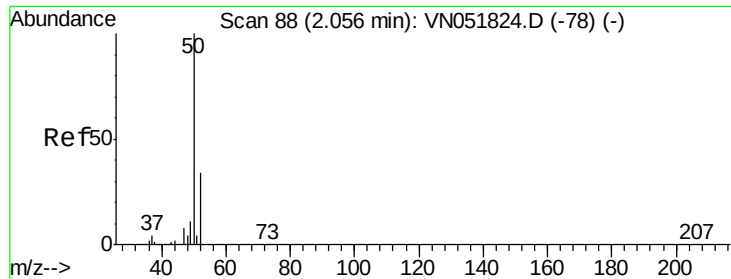
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#2
 Dichlorodifluoromethane
 Concen: 22.503 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.3	48.8





#3

Chloromethane

Concen: 18.925 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 50 Resp: 121030

Ion Ratio Lower Upper

50 100

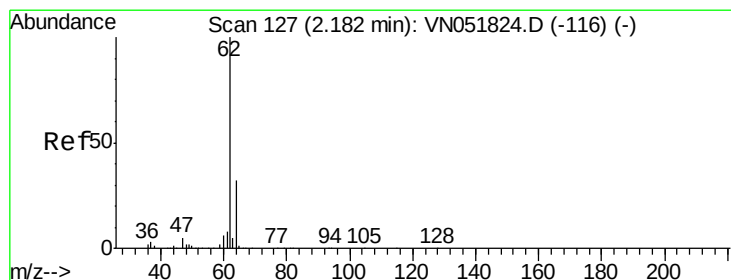
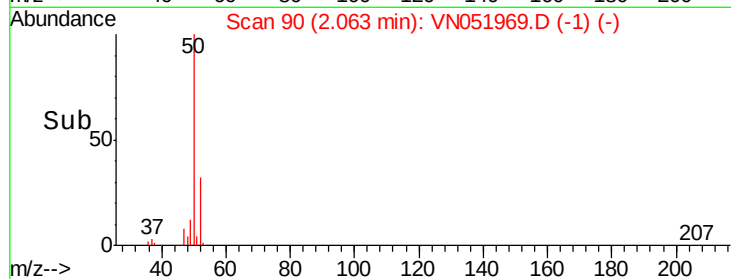
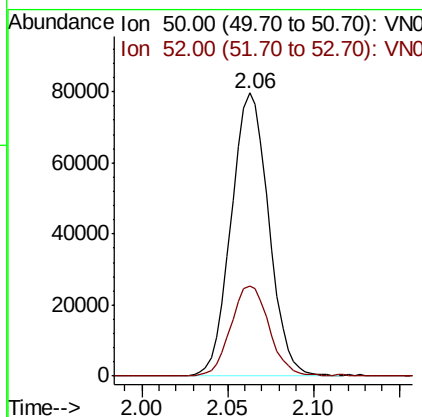
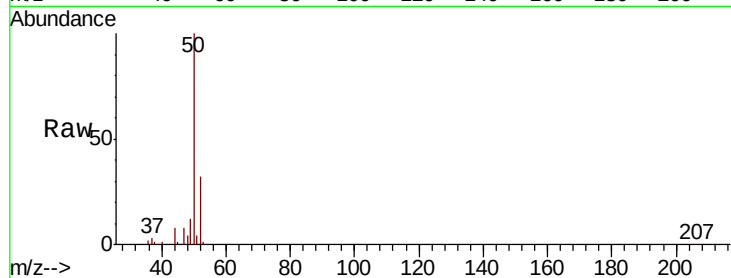
52 32.1 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.413 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051969.D

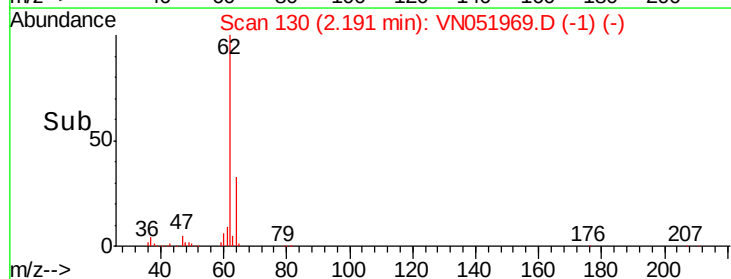
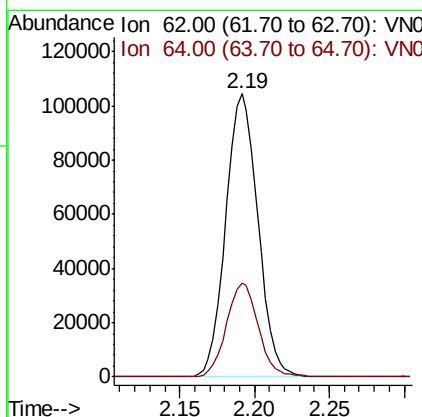
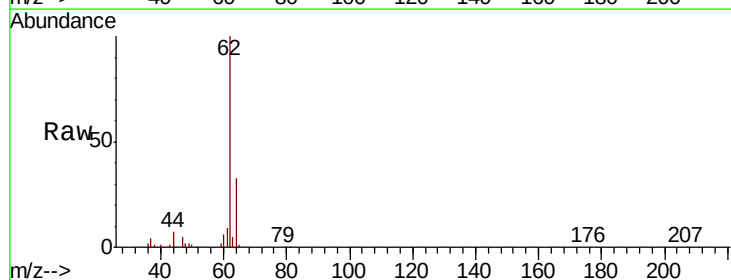
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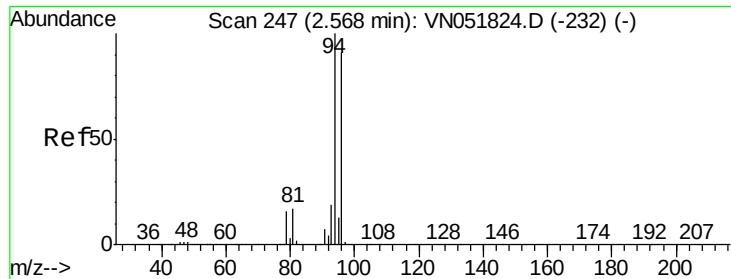
Tgt Ion: 62 Resp: 156758

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 18.832 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 94 Resp: 158915

Ion Ratio Lower Upper

94 100

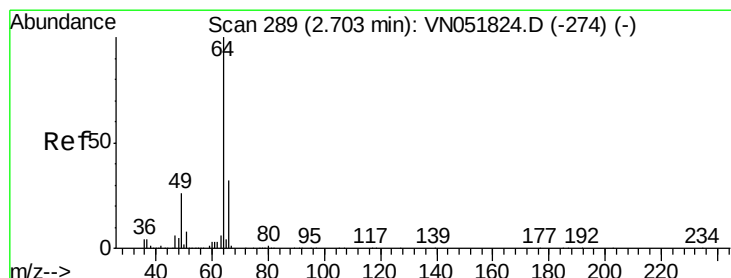
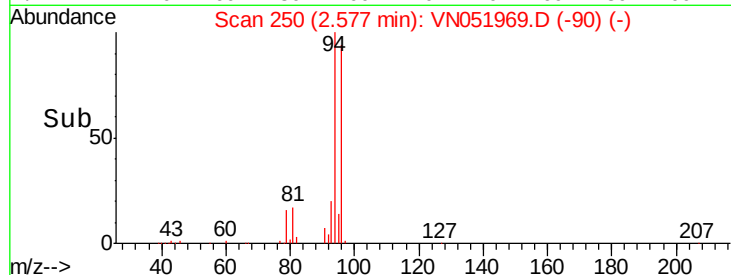
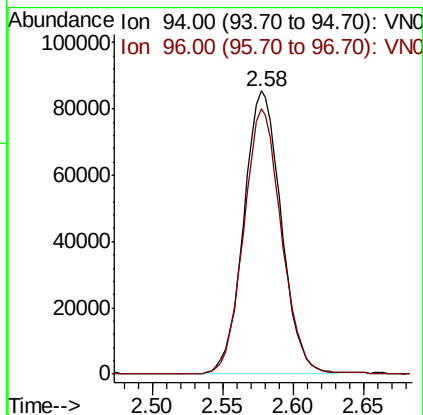
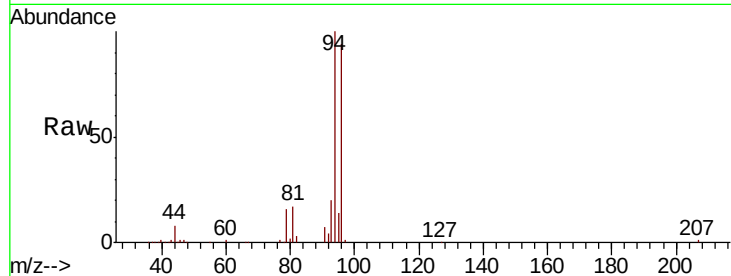
96 94.0 66.4 99.6

Manual Integrations

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#6

Chloroethane

Concen: 16.639 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051969.D

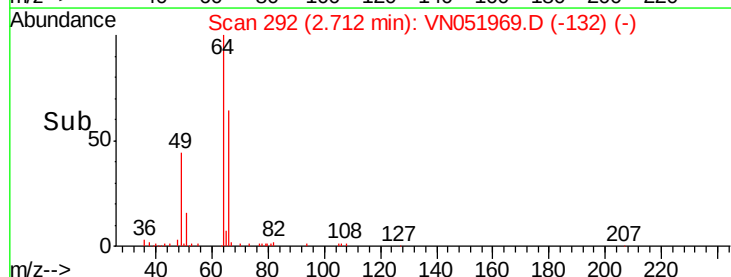
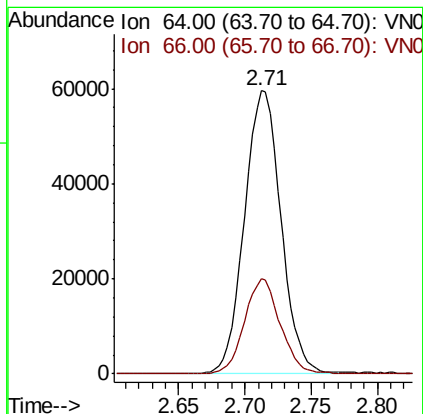
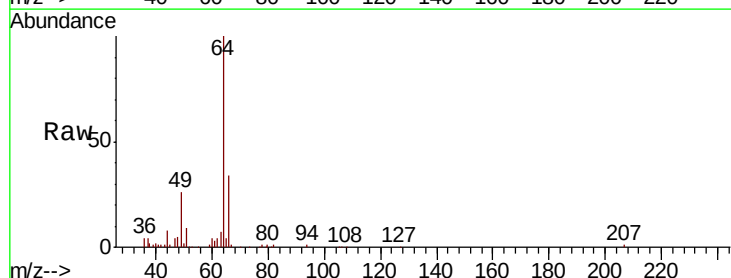
Acq: 23 Oct 2018 18:12

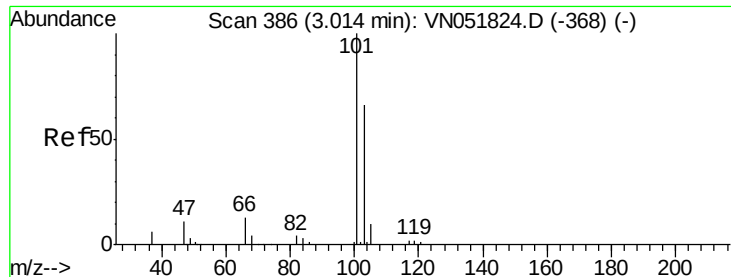
Tgt Ion: 64 Resp: 114527

Ion Ratio Lower Upper

64 100

66 33.7 25.8 38.6





#7

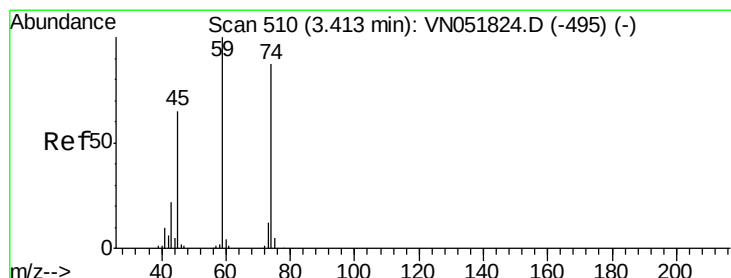
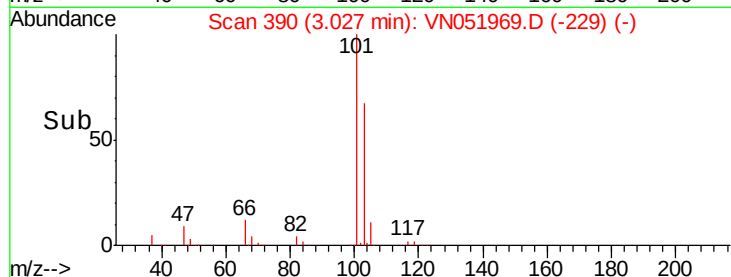
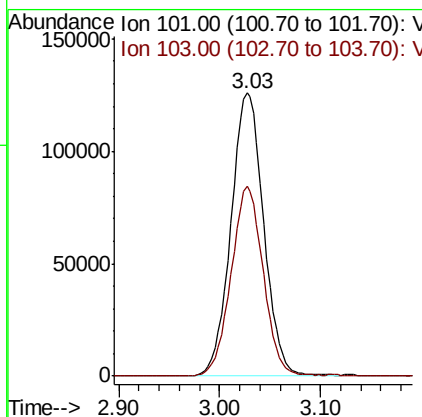
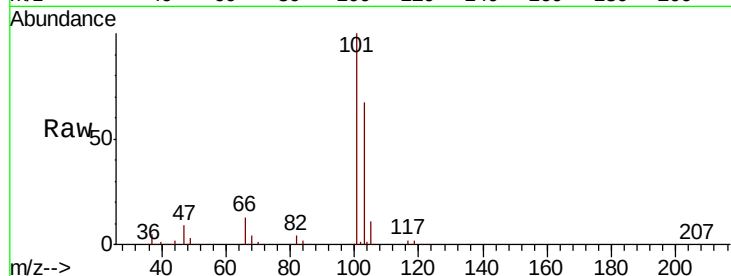
Trichlorofluoromethane
 Concen: 20.869 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.02 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
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 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	284152		
103	66.9	54.8	82.2	

Manual Integrations
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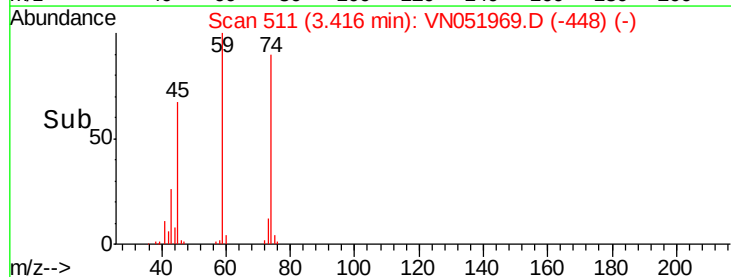
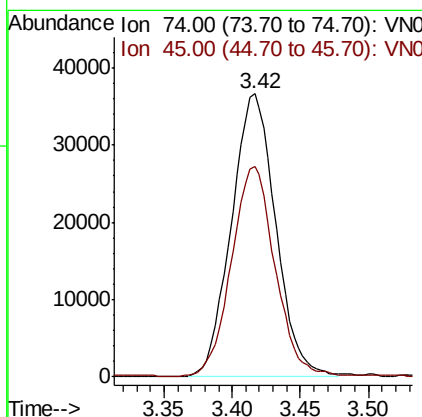
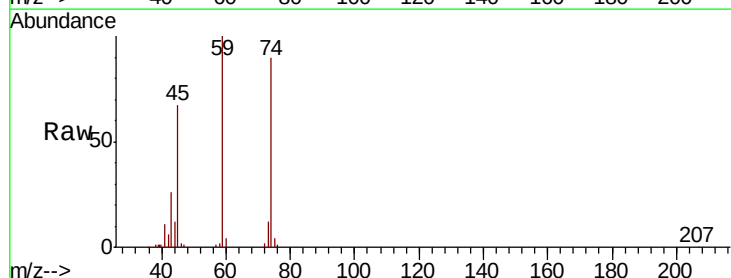
MMDadoda
 10/24/2018 10:09:52 AM

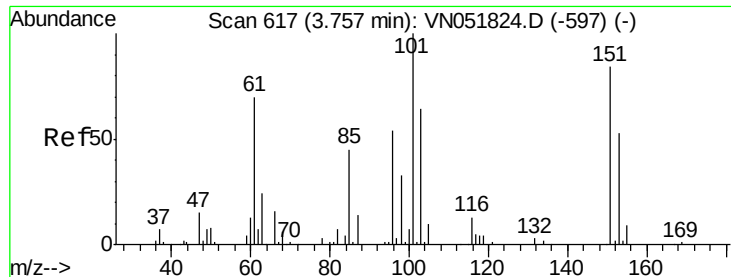


#8

Diethyl Ether
 Concen: 20.877 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	82753		
45	73.4	20.7	186.5	





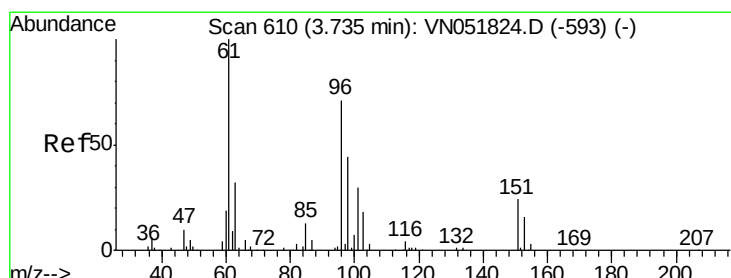
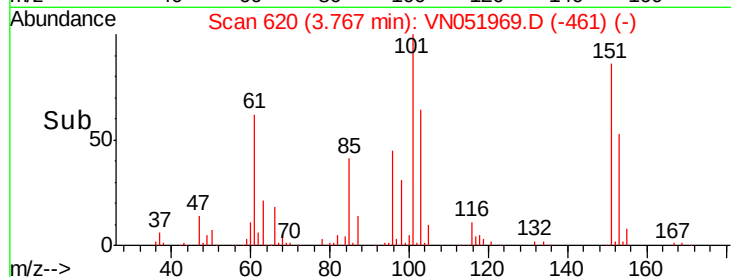
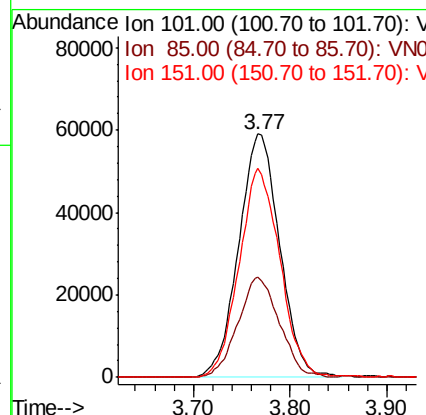
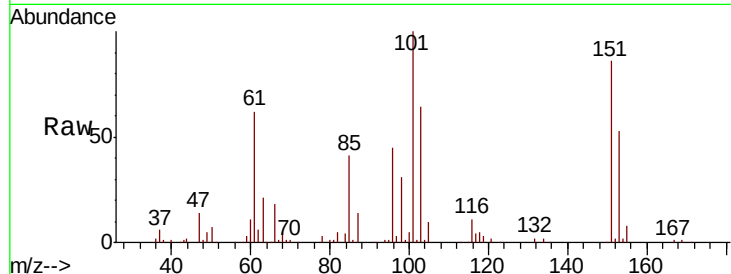
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.444 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VN051969.D
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Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	41.6	0.0	46.0
151	85.3	0.0	82.2#

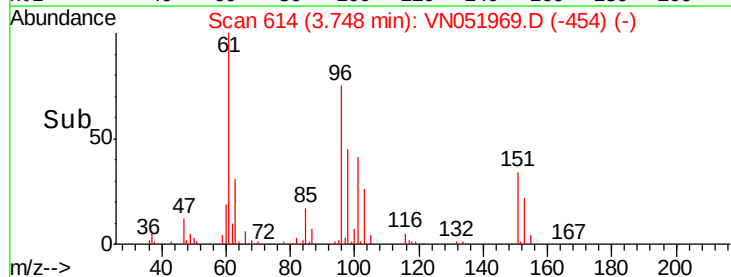
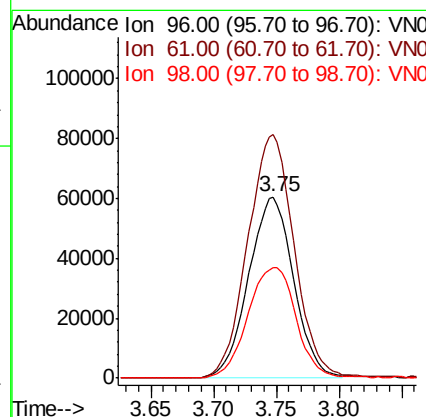
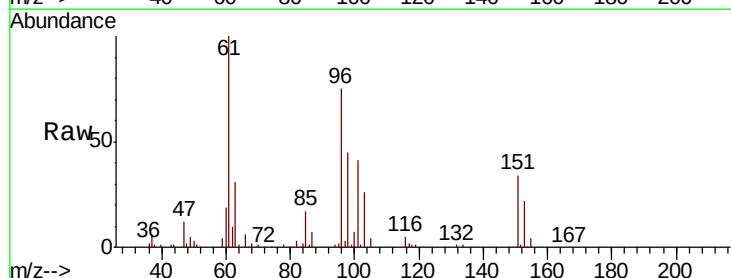
Manual Integrations
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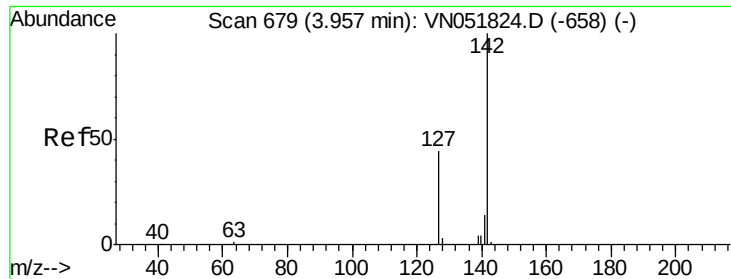
MMDadoda
 10/24/2018 10:09:52 AM



#10
 1,1-Dichloroethene
 Concen: 21.096 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	134.2	133.0	199.6
98	61.0	52.6	78.8





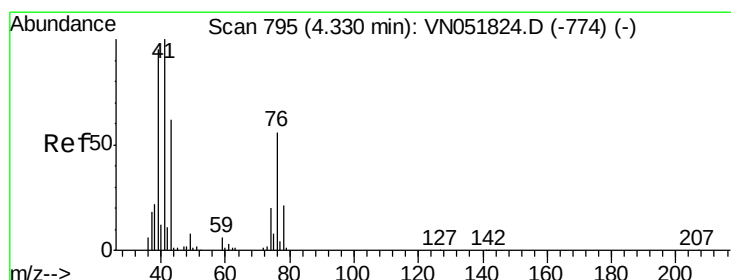
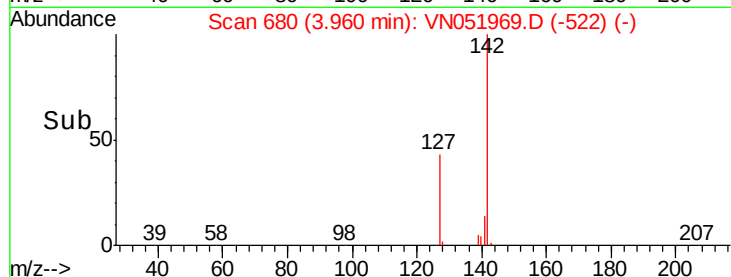
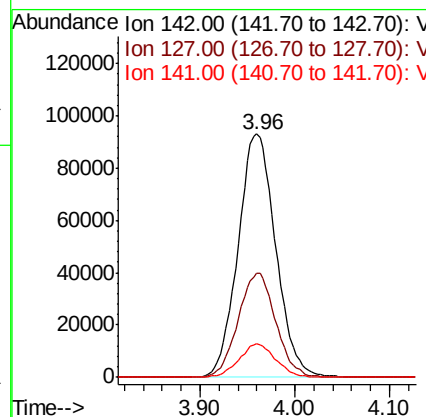
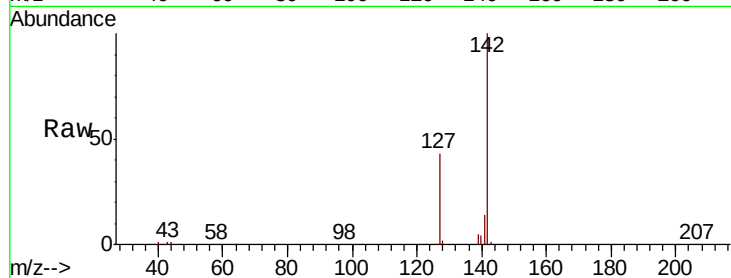
#11
Methvl Iodide
Concen: 24.669 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.6	19.7	59.0
141	13.7	6.3	18.9

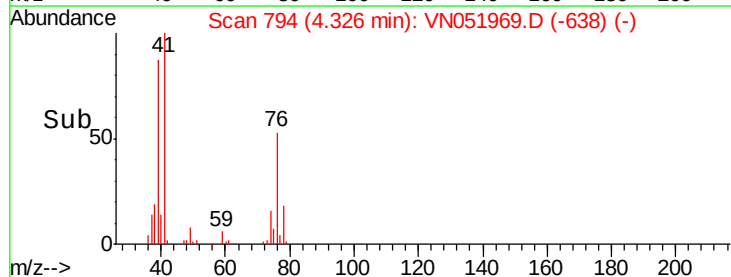
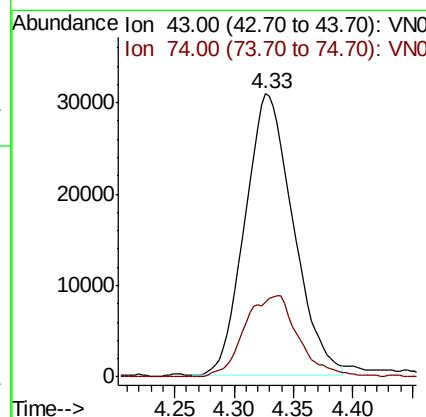
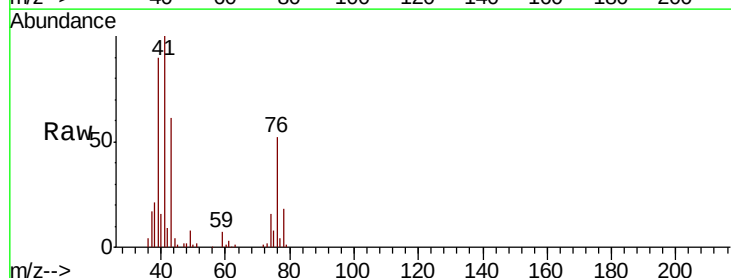
Manual Integrations
APPROVED

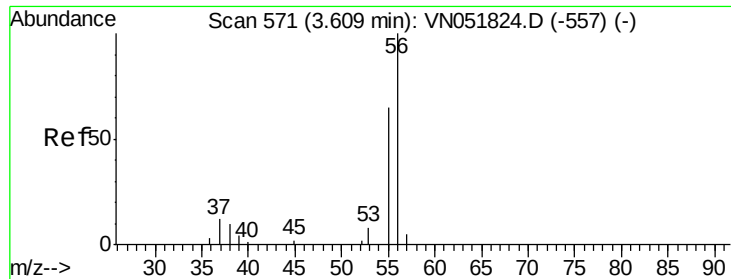
MMDadoda
10/24/2018 10:09:52 AM



#12
Methyl Acetate
Concen: 19.454 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	21.8	32.6





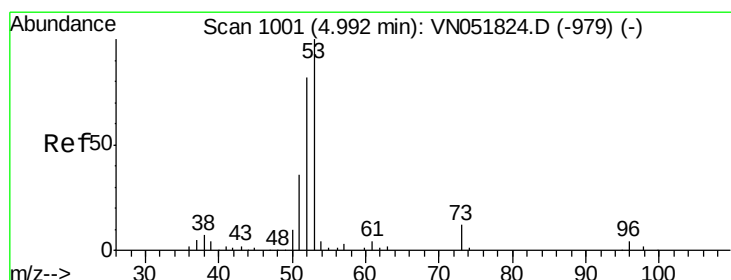
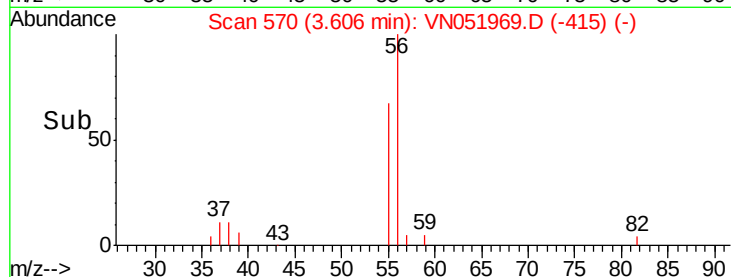
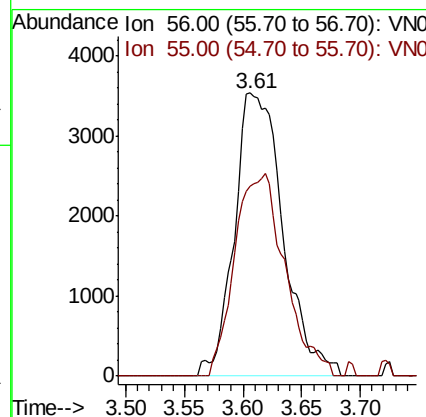
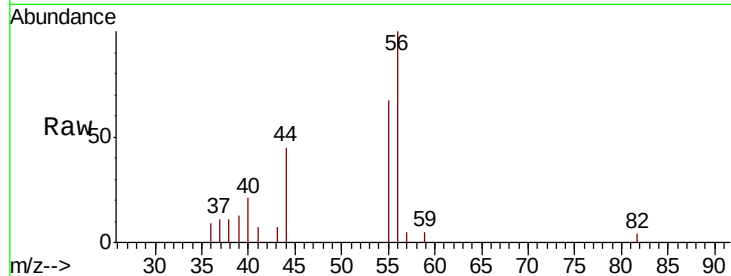
#13
Acrolein
Concen: 34.755 ug/l m
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	56	Resp	10197
Ion Ratio	100	Lower	Upper
56	100	64.0	96.0
55	70.7		

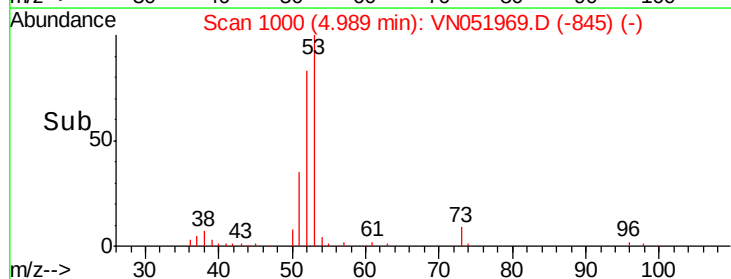
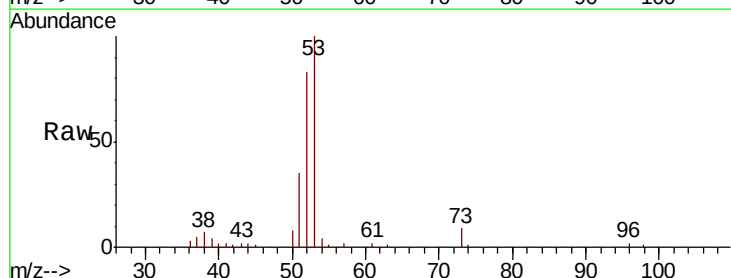
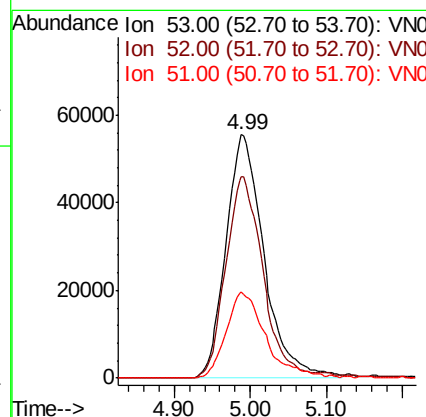
Manual Integrations
APPROVED

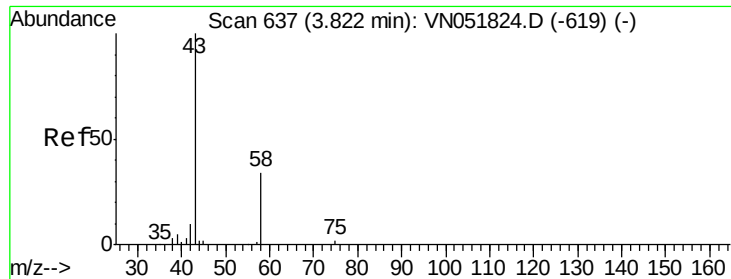
MMDadoda
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#14
Acrylonitrile
Concen: 97.280 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	53	Resp	193613
Ion Ratio	100	Lower	Upper
53	100	18.3	54.8#
52	80.3	19.7	59.1
51	36.5		





#15

Acetone

Concen: 88.812 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 58 Resp: 43695

Ion Ratio Lower Upper

58 100

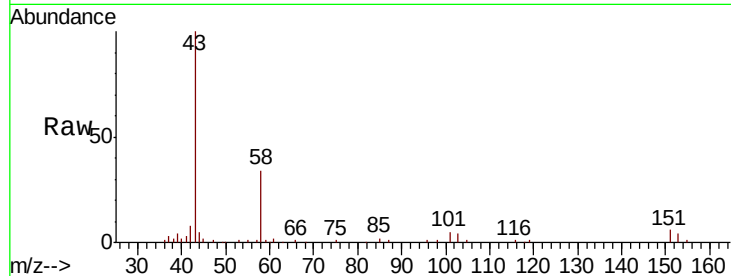
43 289.4 232.2 348.2

Manual Integrations

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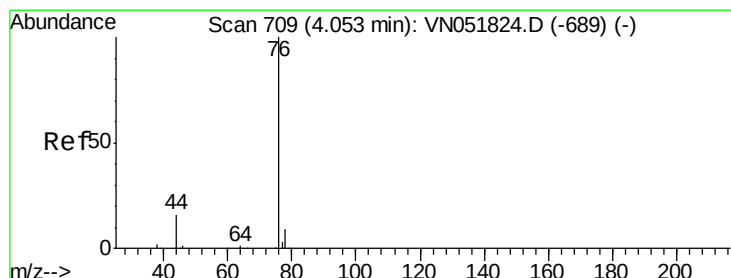
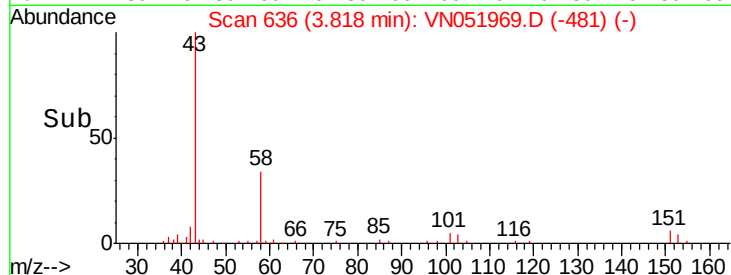
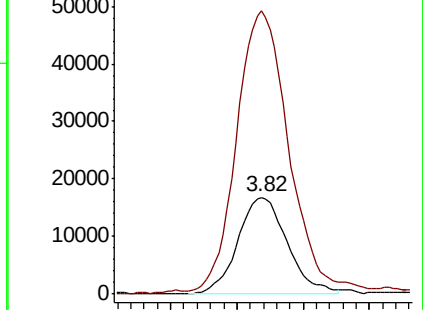
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Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)

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



#16

Carbon Disulfide

Concen: 18.319 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051969.D

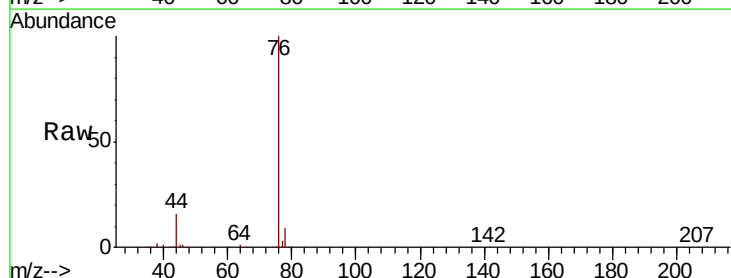
Acq: 23 Oct 2018 18:12

Tgt Ion: 76 Resp: 345010

Ion Ratio Lower Upper

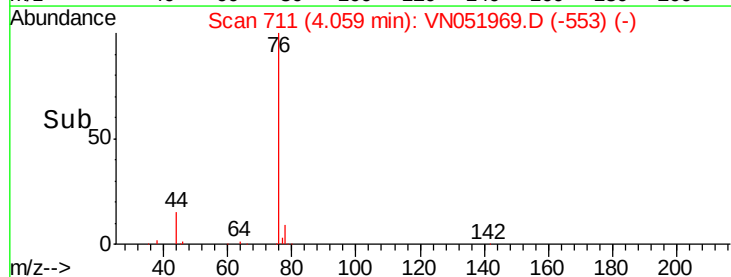
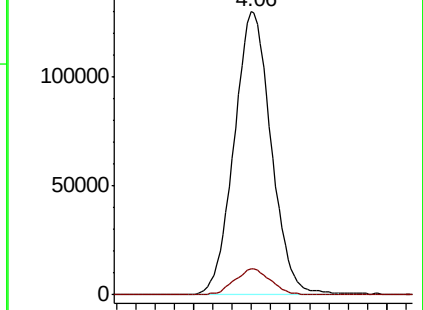
76 100

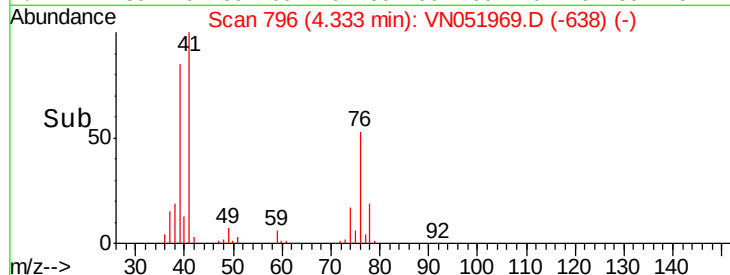
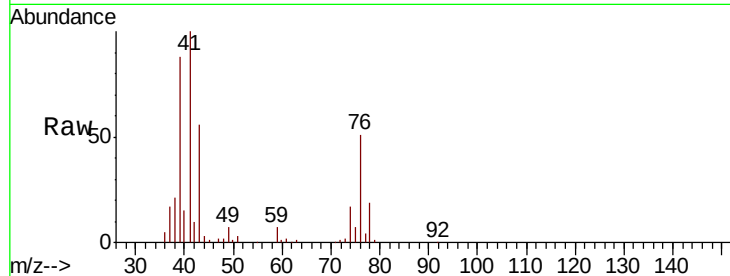
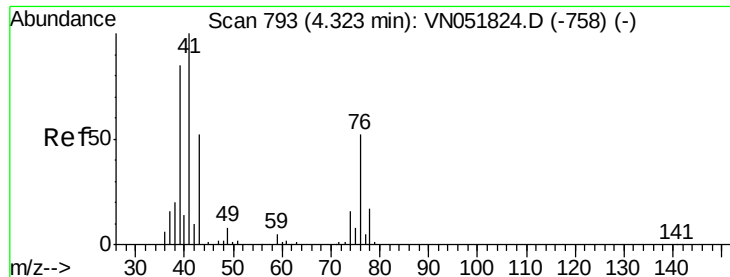
78 9.2 6.7 10.1



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

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





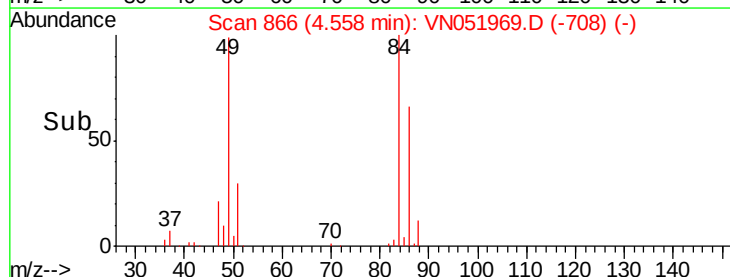
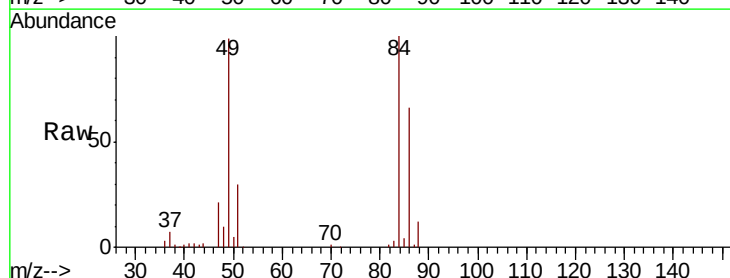
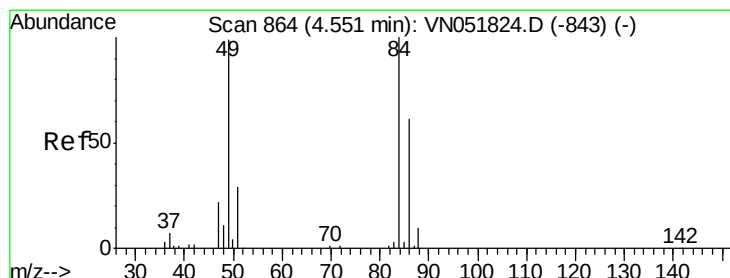
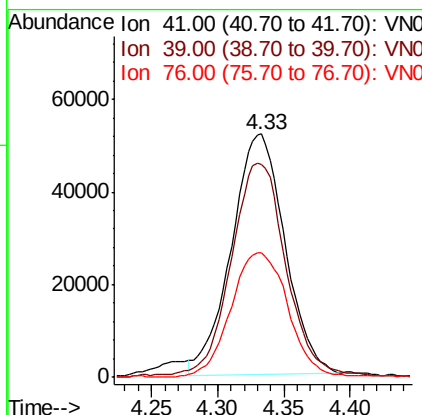
#17
Allvl chloride
Concen: 17.057 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tot Ion:	41	Resp:	145218
Ion	Ratio	Lower	Upper
41	100		
39	86.5	32.6	97.8
76	51.0	20.2	60.5

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

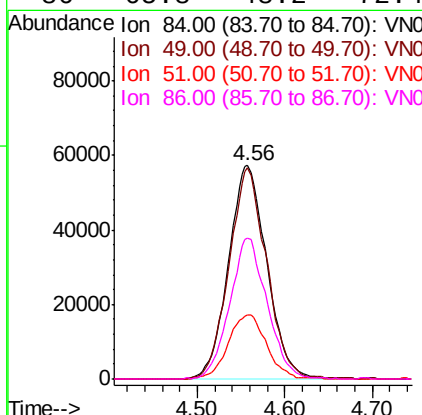
Manual Integrations
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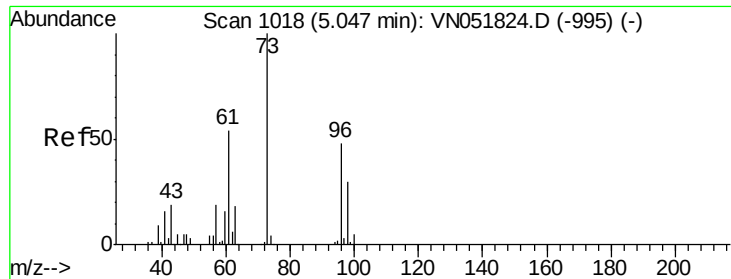
MMDadoda
10/24/2018 10:09:52 AM



#18
Methylene Chloride
Concen: 21.707 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion:	84	Resp:	174053
Ion	Ratio	Lower	Upper
84	100		
49	98.5	91.6	137.4
51	29.8	29.8	44.6
86	65.8	48.2	72.4





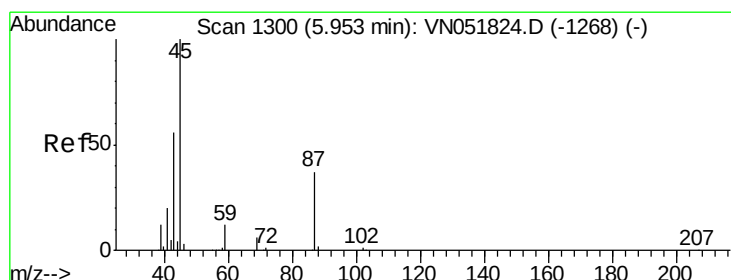
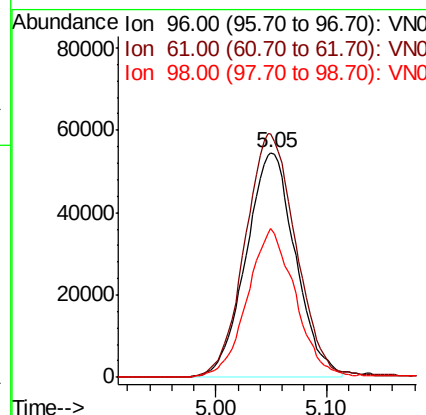
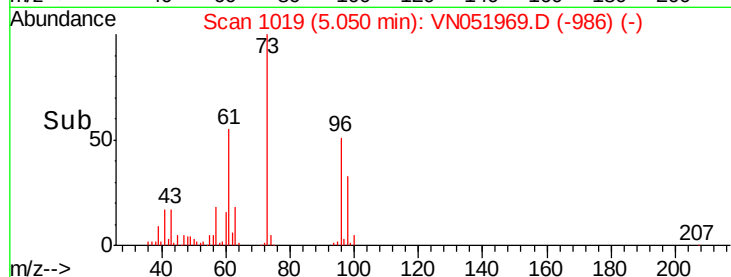
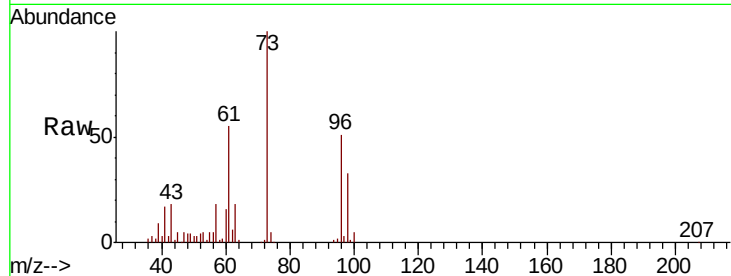
#19
trans-1,2-Dichloroethene
Concen: 20.553 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	108.0	112.3	168.5#
98	66.1	47.1	70.7

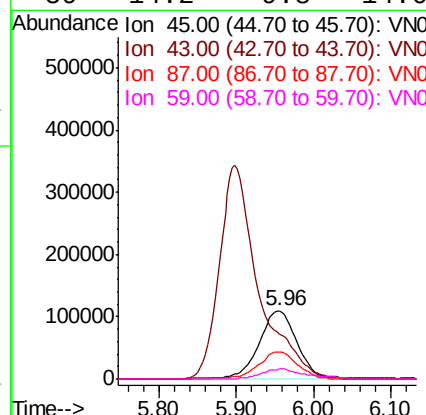
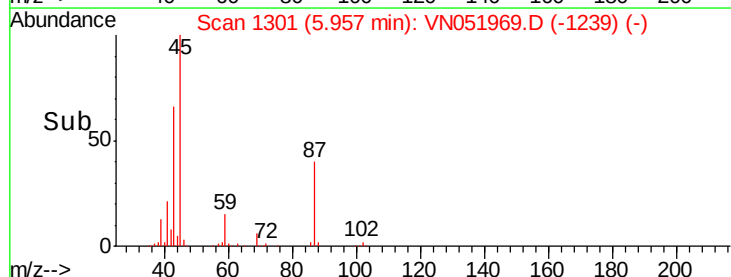
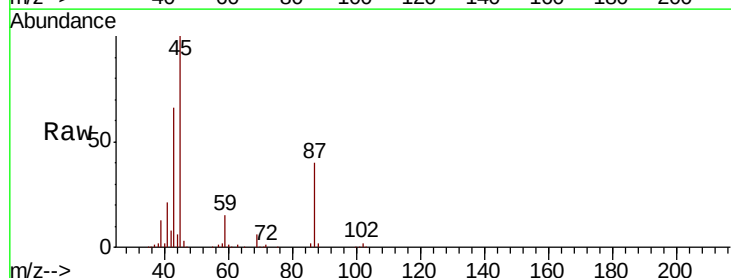
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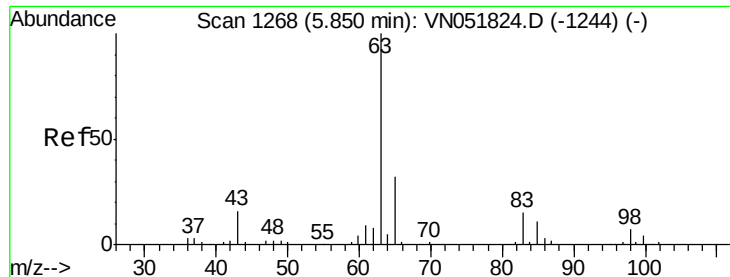
MMDadoda
10/24/2018 10:09:52 AM



#20
Diisopropyl ether
Concen: 19.673 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	62.1	93.1
87	39.6	19.9	29.9#
59	14.2	9.8	14.6





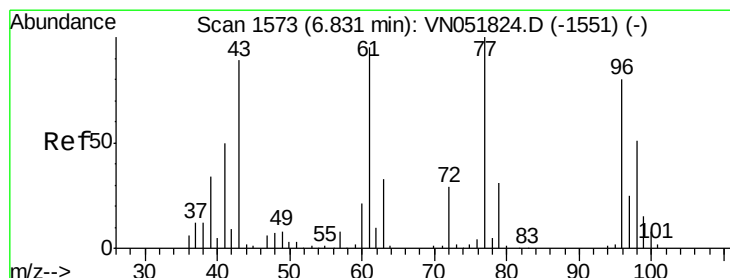
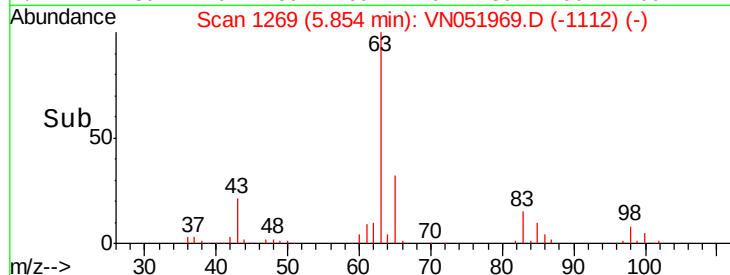
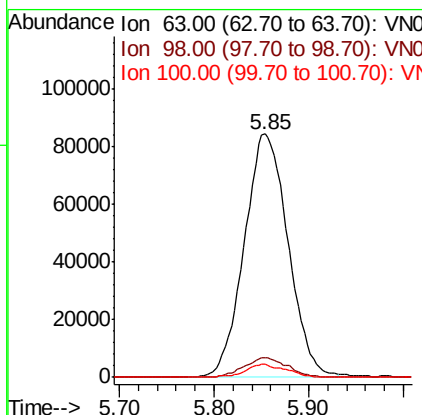
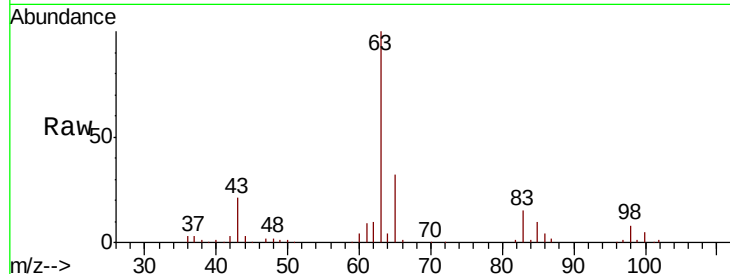
#21
 1,1-Dichloroethane
 Concen: 20.510 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	271744		
98	8.2		4.1	12.3
100	5.3		1.6	4.7

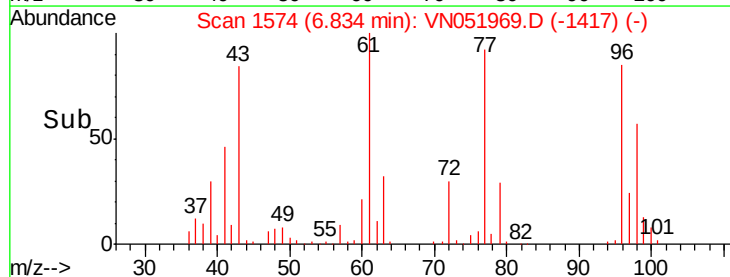
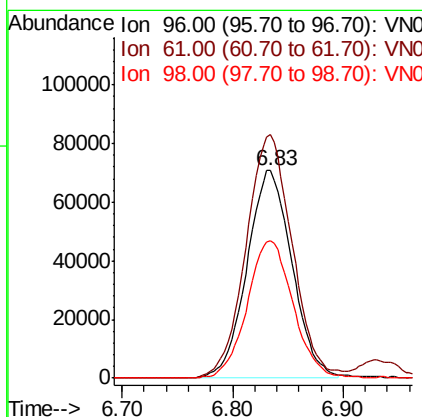
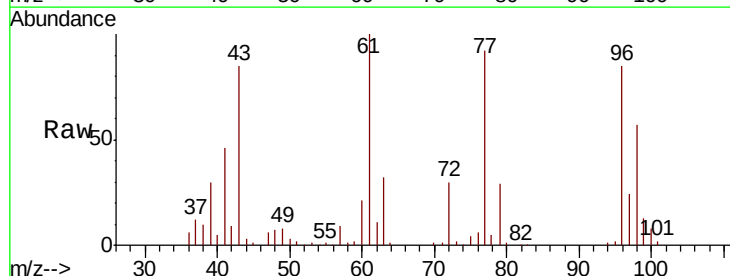
Manual Integrations
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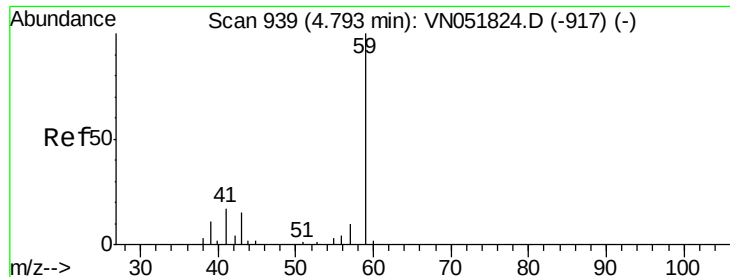
MMDadoda
 10/24/2018 10:09:52 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.809 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	200143		
61	120.5		124.5	186.7
98	67.5		51.9	77.9





#23

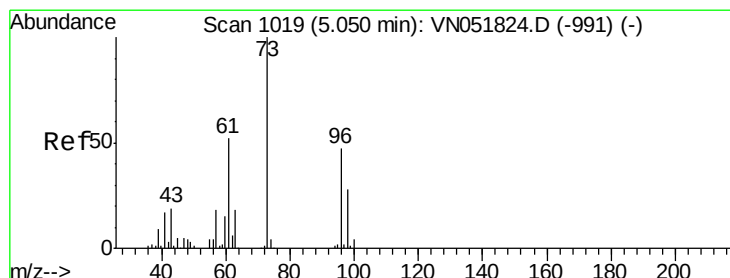
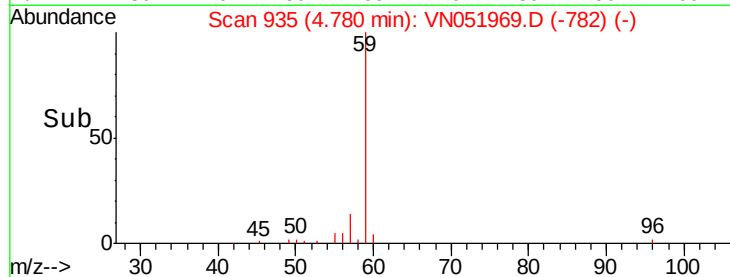
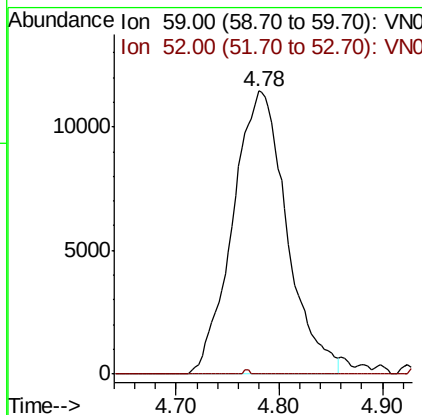
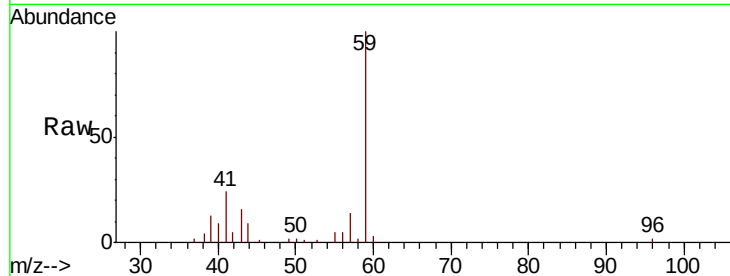
tert-Butyl Alcohol
 Concen: 79.712 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#

Manual Integrations
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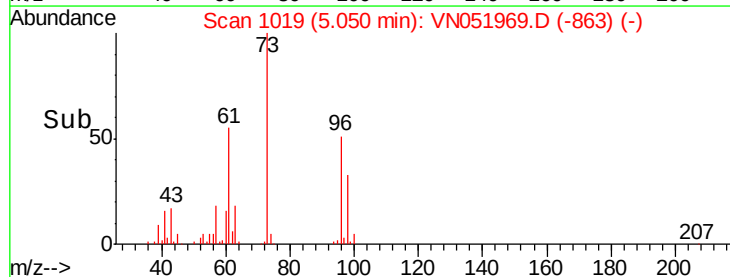
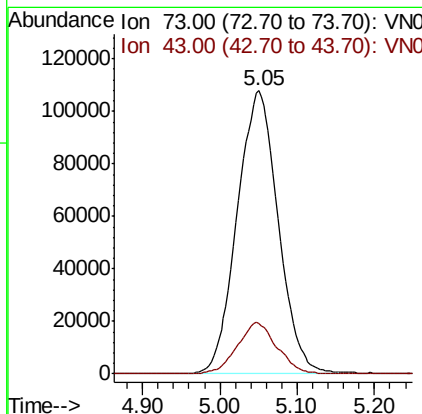
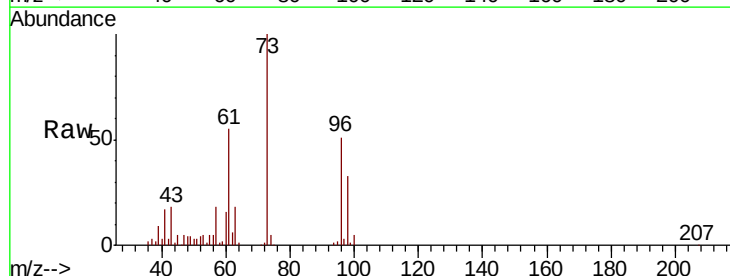
MMDadoda
 10/24/2018 10:09:52 AM

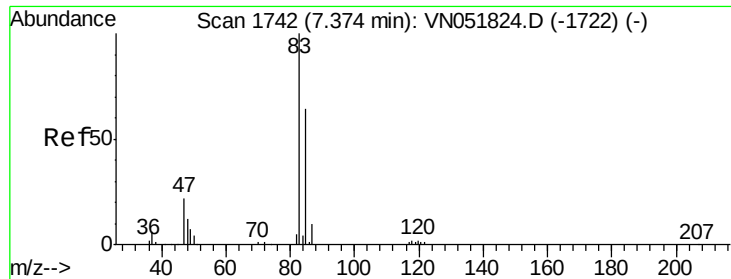


#24

Methyl tert-Butyl Ether
 Concen: 19.298 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.0	5.4	8.0#





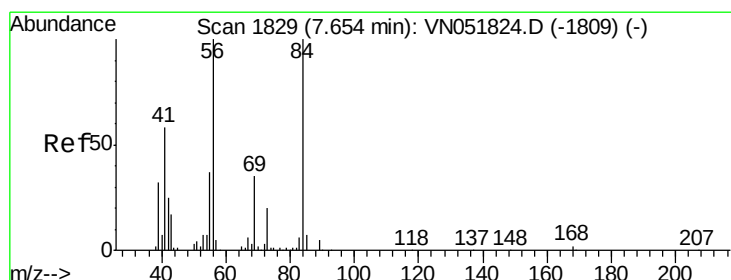
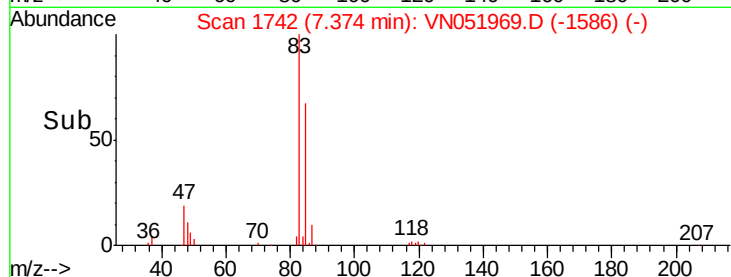
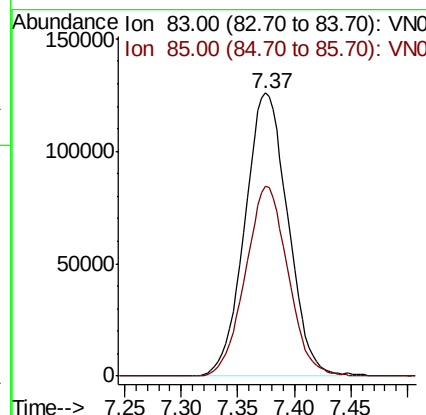
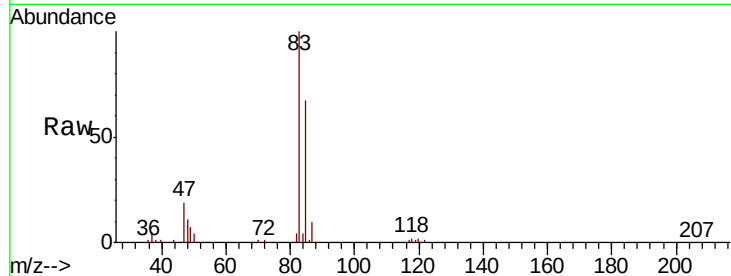
#25
Chloroform
Concen: 21.193 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	83	Resp	333116
Ion Ratio	100	Lower	Upper
83	100		
85	67.3	54.6	82.0

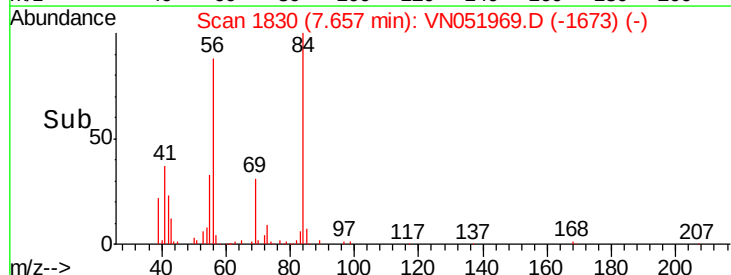
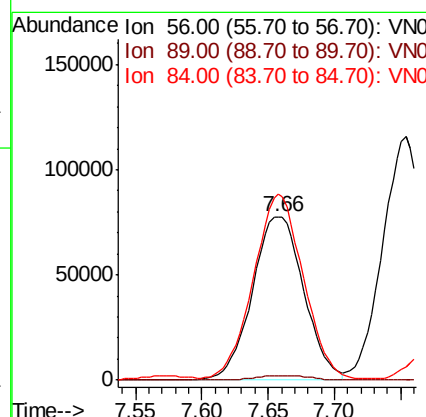
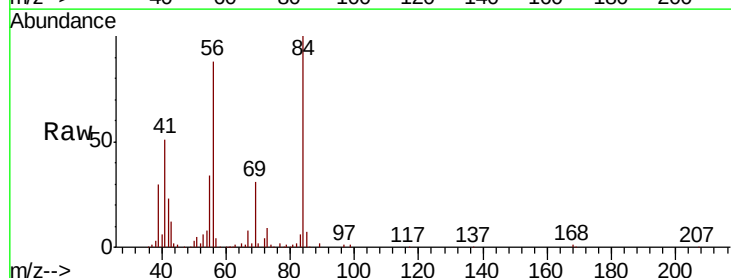
Manual Integrations
APPROVED

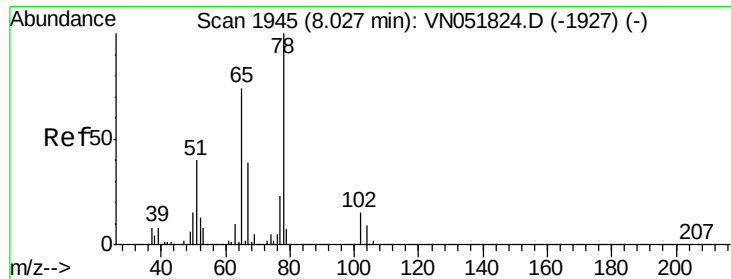
MMDadoda
10/24/2018 10:09:52 AM



#26
Cyclohexane
Concen: 18.657 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	56	Resp	209567
Ion Ratio	100	Lower	Upper
56	100		
89	1.6	1.5	2.3
84	111.3	64.2	96.4#





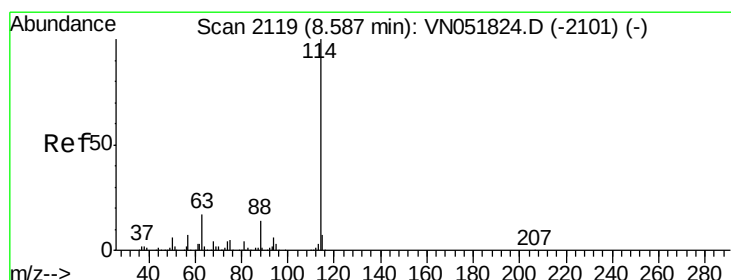
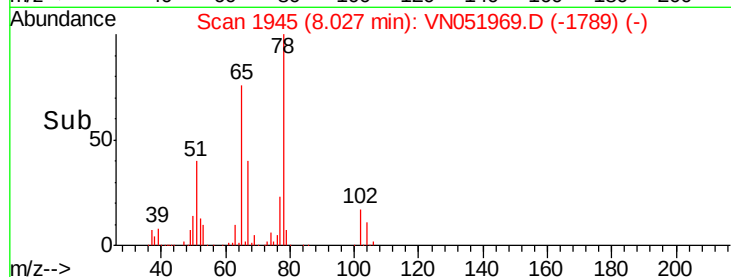
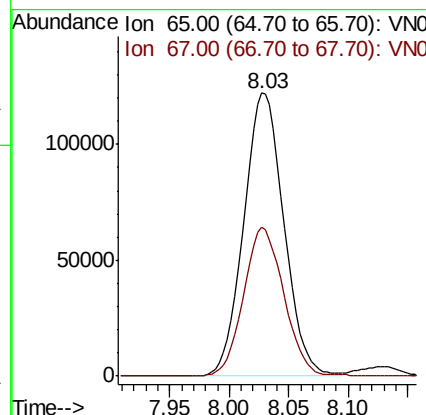
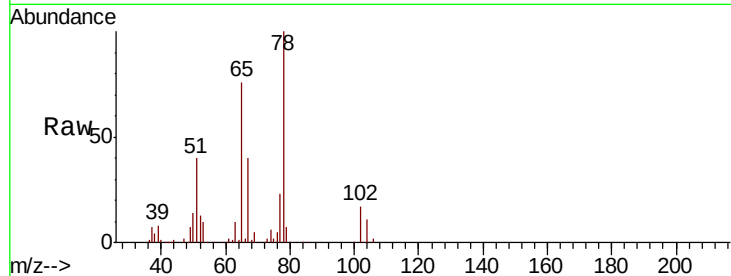
#27
 1,2-Dichloroethane-d4
 Concen: 18.657 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	41.8	62.8

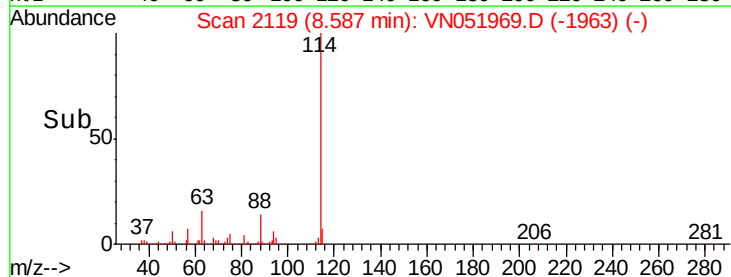
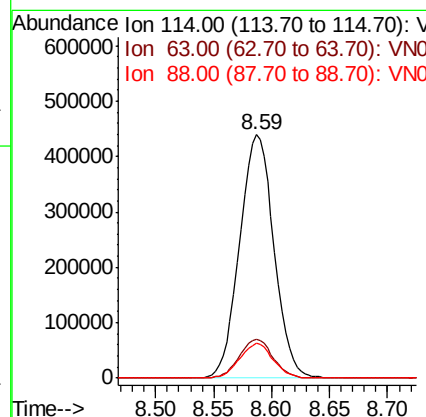
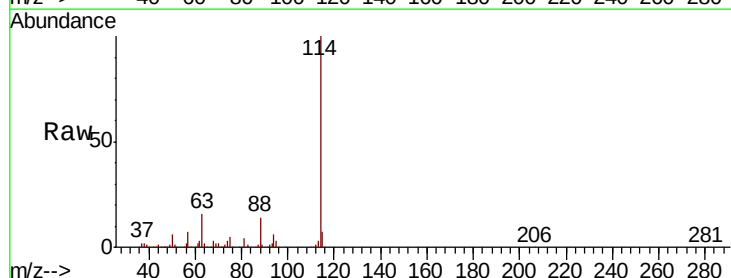
Manual Integrations
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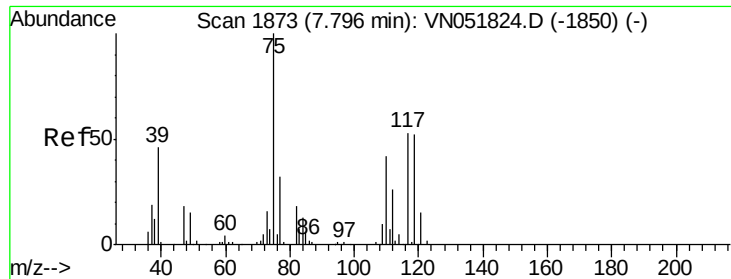
MMDadoda
 10/24/2018 10:09:52 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	15.7	16.2	24.2#
88	14.0	12.2	18.4





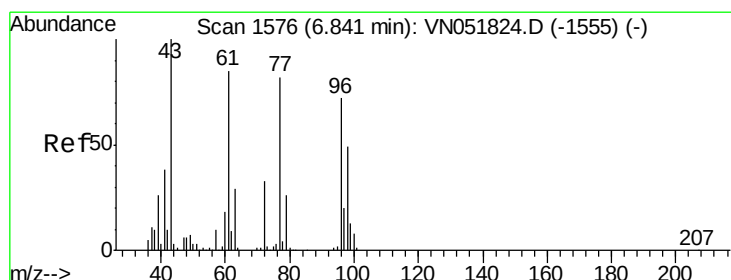
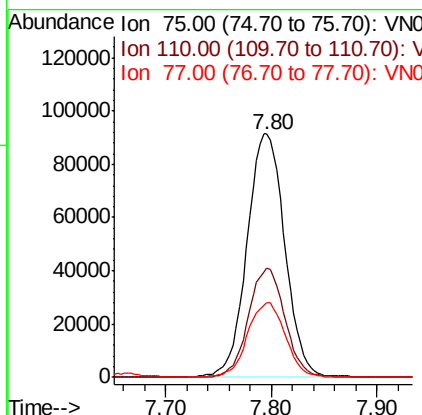
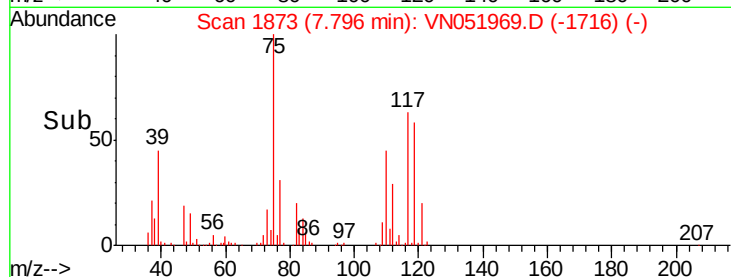
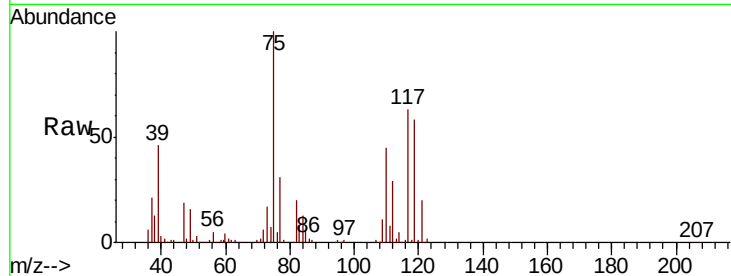
#29
 1,1-Dichloropropene
 Concen: 19.555 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	43.5	0.0	70.8
77	30.9	0.0	61.6

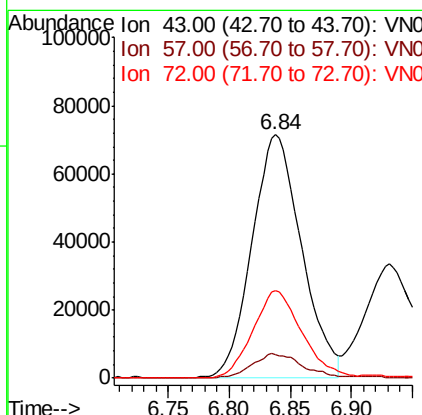
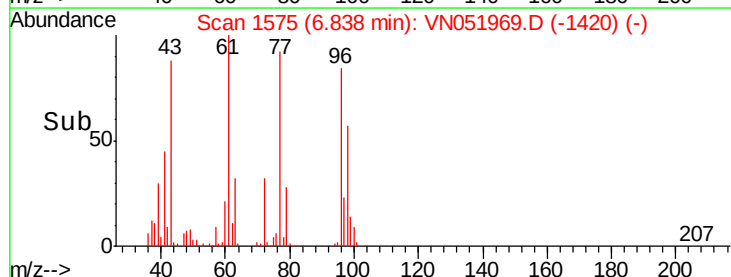
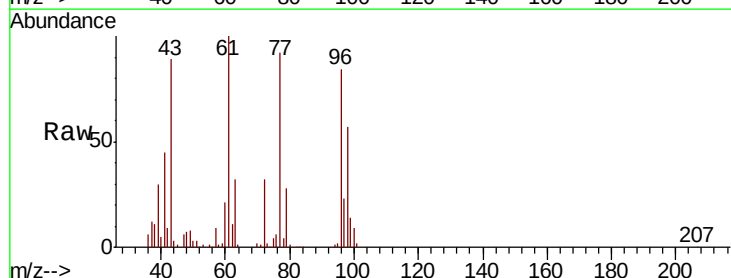
Manual Integrations
 APPROVED

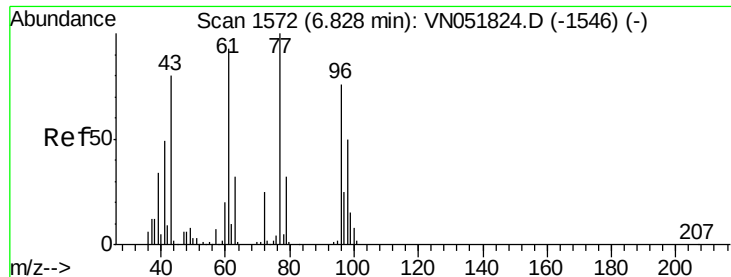
MMDadoda
 10/24/2018 10:09:52 AM



#30
 2-Butanone
 Concen: 82.375 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

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: 17.936 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 77 Resp: 246035

Ion Ratio Lower Upper

77 100

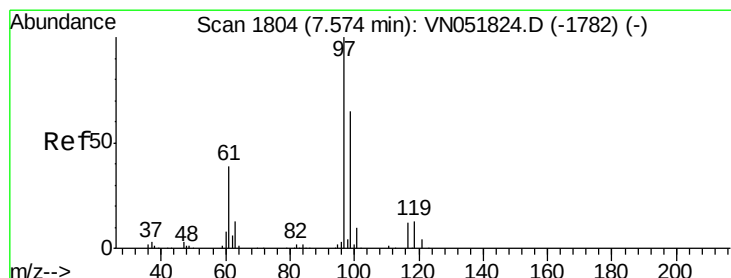
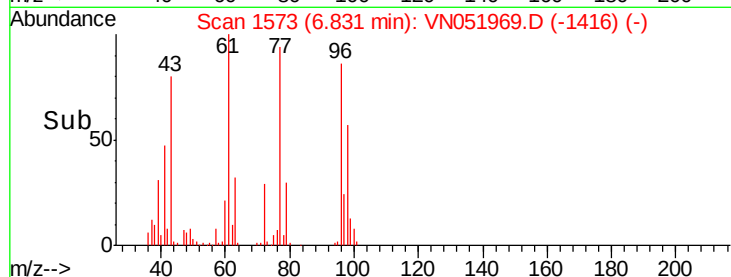
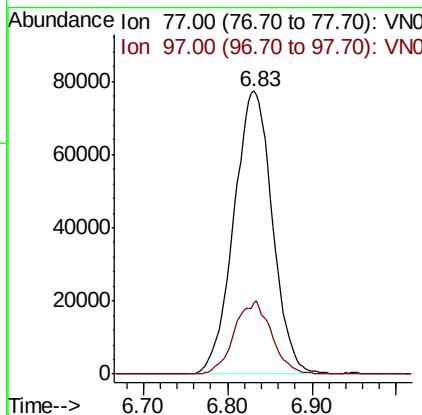
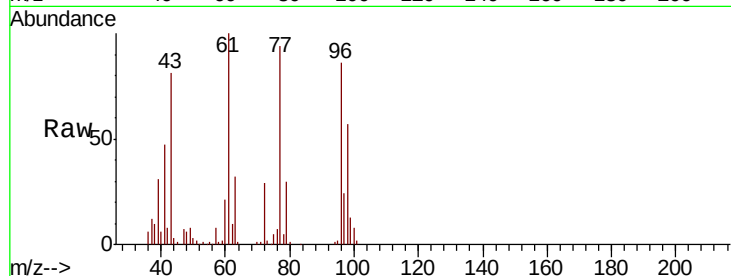
97 10.6 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.578 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

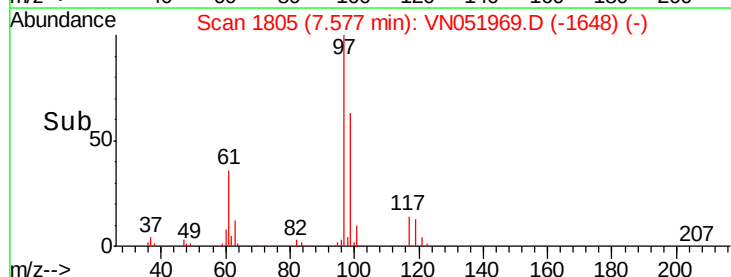
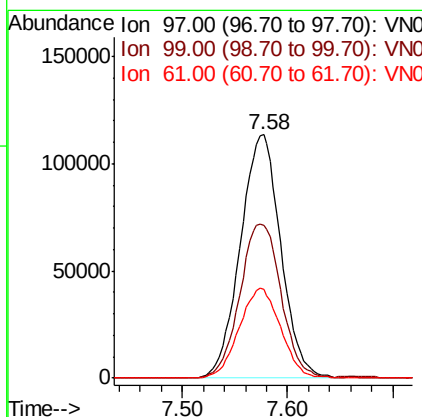
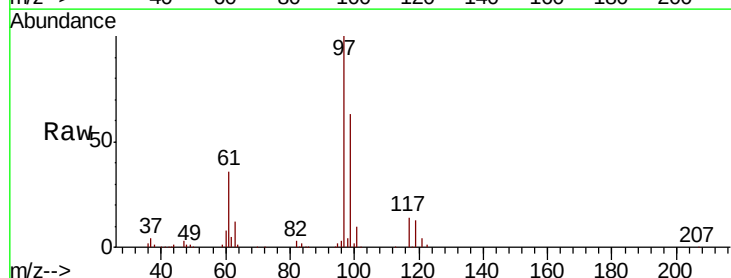
Tgt Ion: 97 Resp: 302676

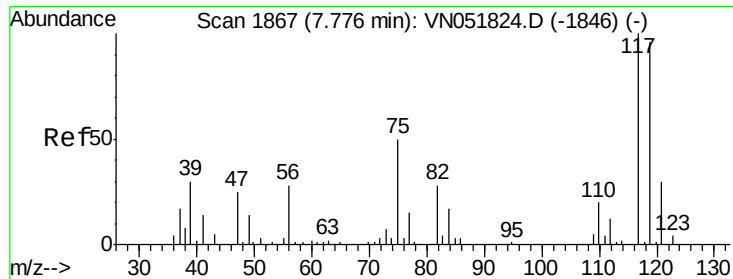
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 37.8 37.4 56.0





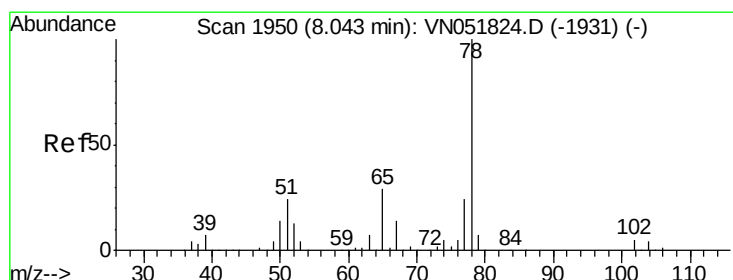
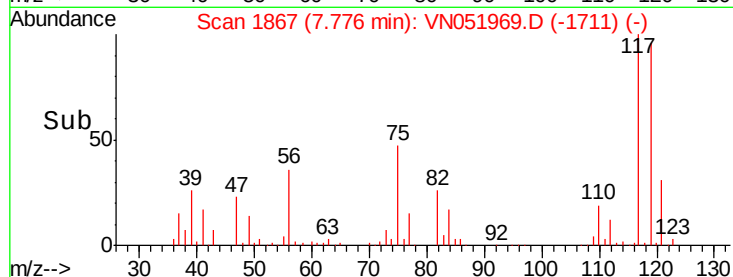
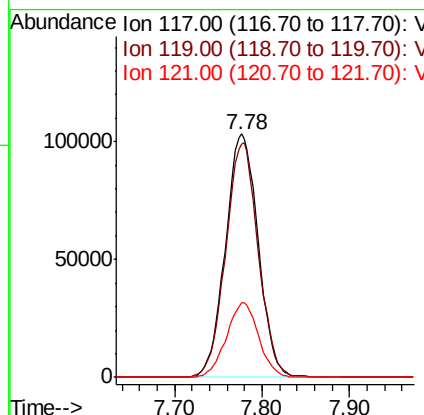
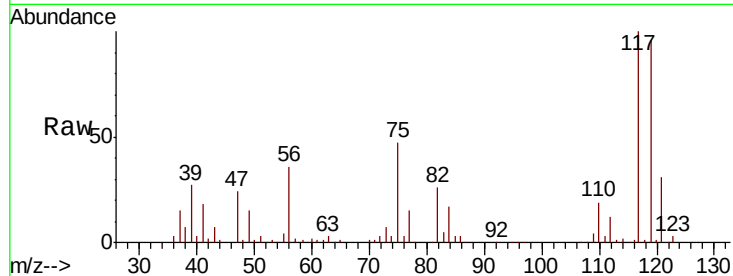
#33
Carbon Tetrachloride
Concen: 19.148 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	85.1	127.7
121	30.6	24.2	36.2

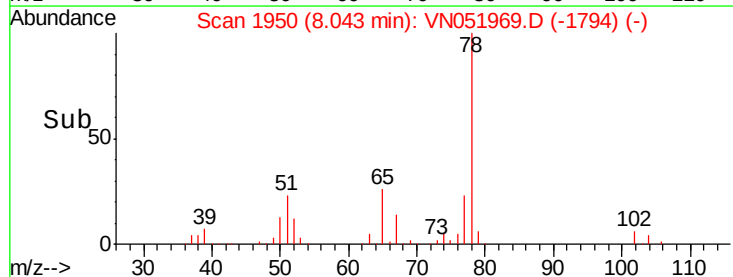
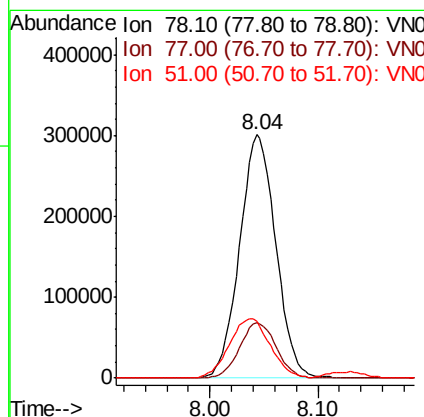
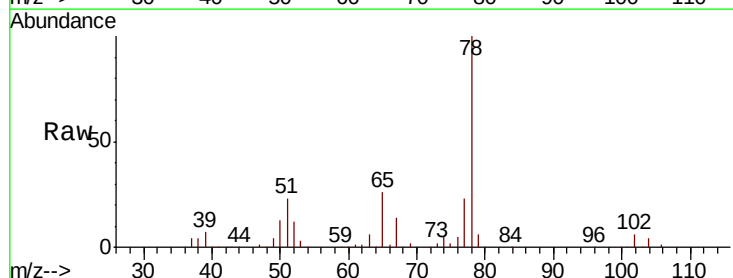
Manual Integrations
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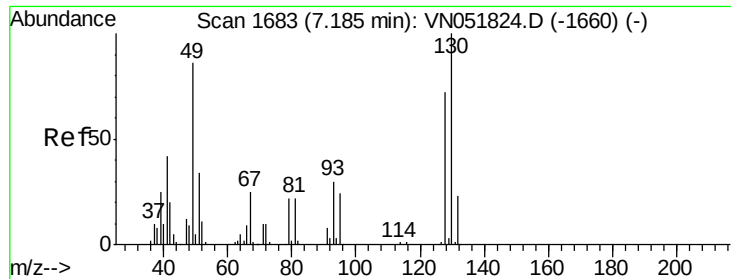
MMDadoda
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#34
Benzene
Concen: 20.323 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2
51	23.1	46.2	69.4#





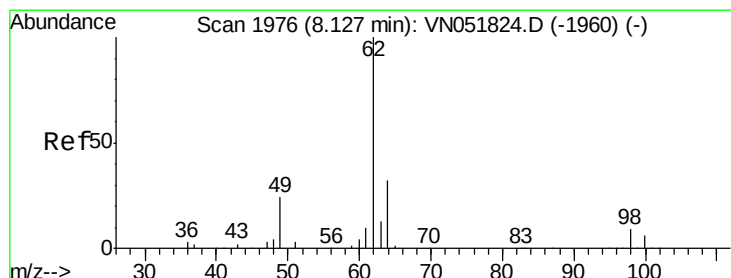
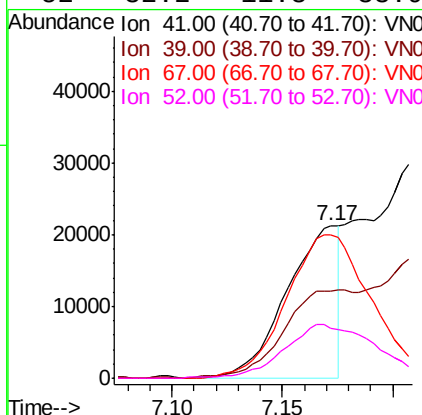
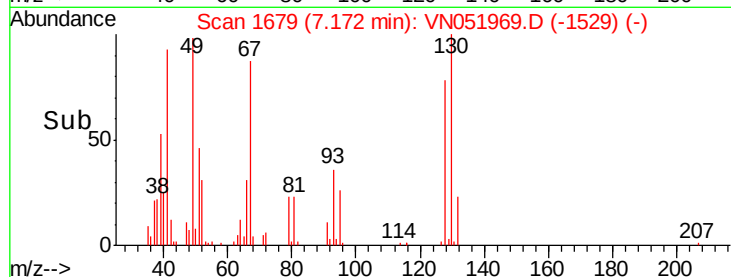
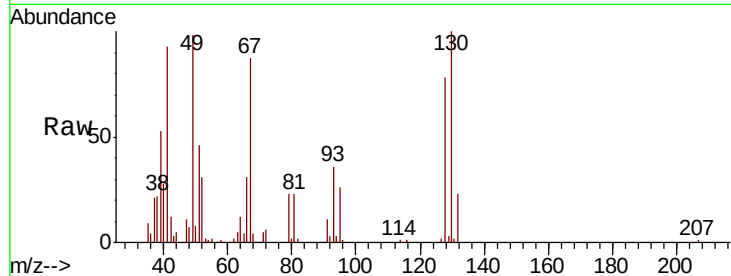
#35
Methacrylonitrile
Concen: 10.906 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	22.6	67.7
67	93.4	28.9	86.8#
52	32.2	11.3	33.9

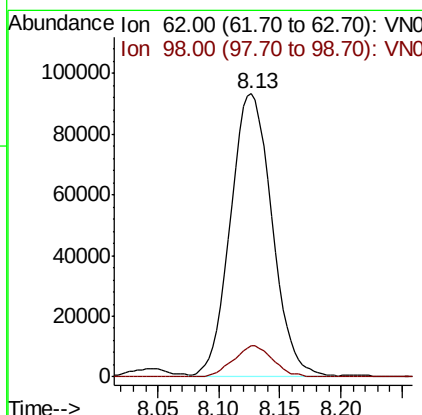
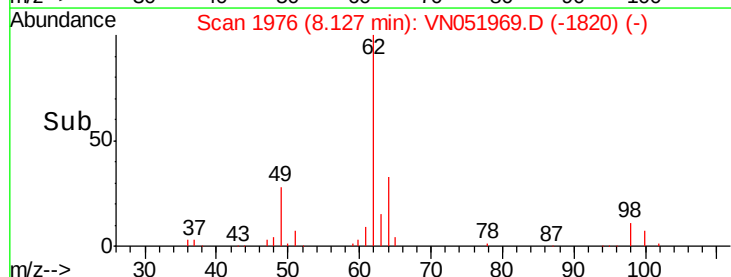
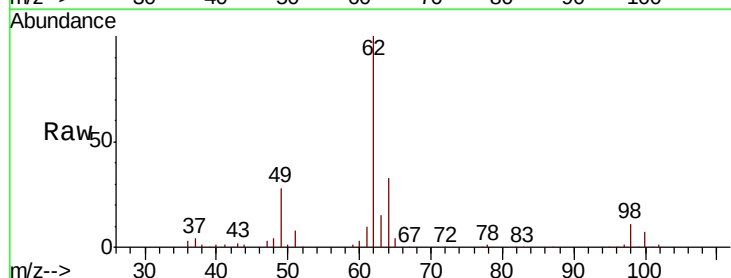
Manual Integrations
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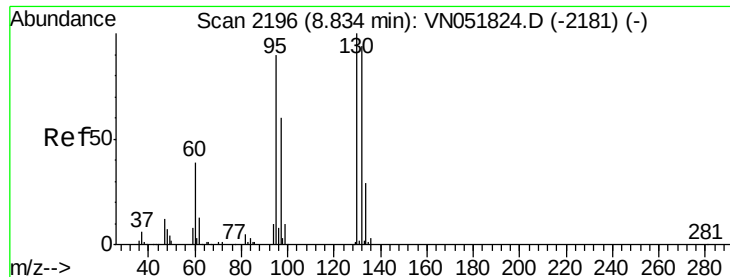
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.823 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

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





#37

Trichloroethene

Concen: 20.568 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion:130 Resp: 220230

Ion Ratio Lower Upper

130 100

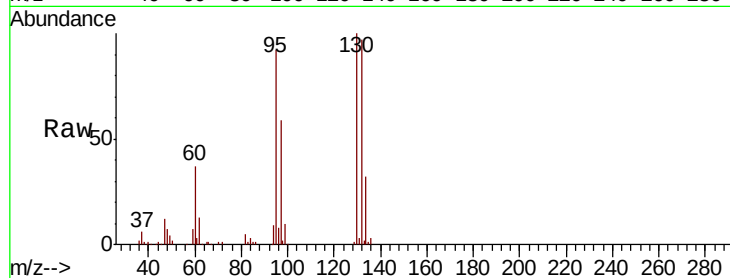
95 91.8 76.4 114.6

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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

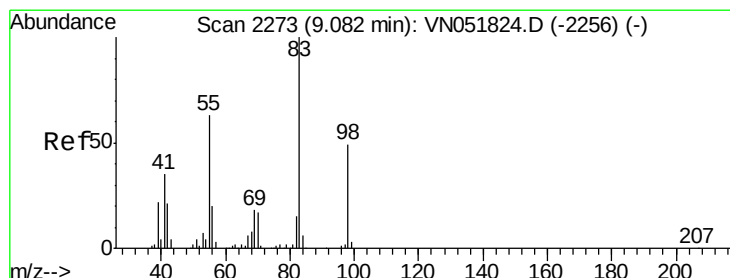
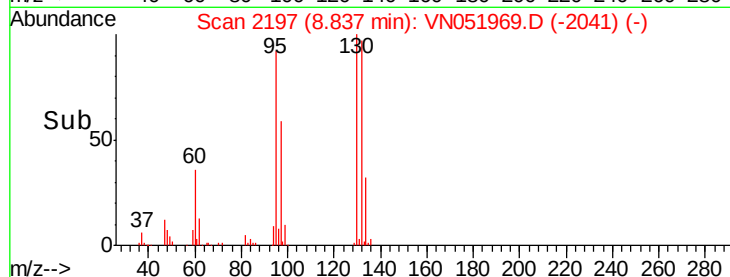
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.563 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

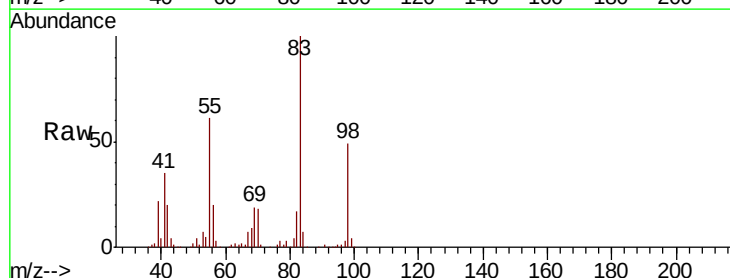
Tgt Ion: 83 Resp: 277634

Ion Ratio Lower Upper

83 100

55 61.0 43.0 129.2

98 49.3 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

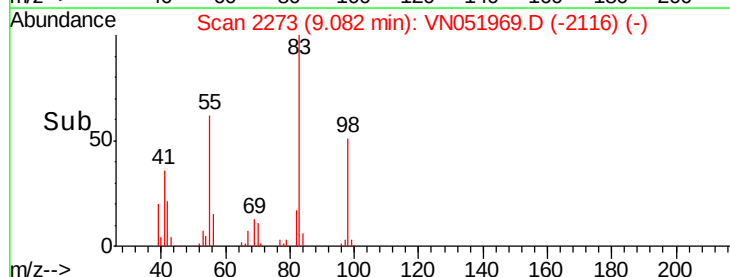
150000

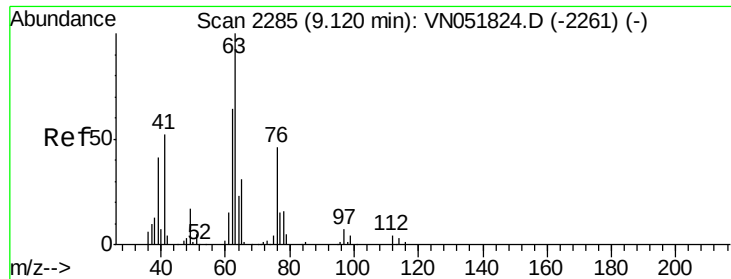
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.714 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 63 Resp: 160135

Ion Ratio Lower Upper

63 100

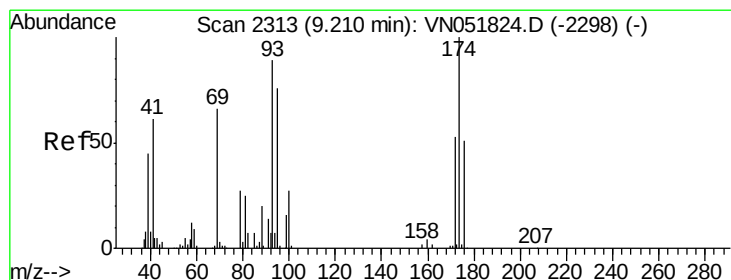
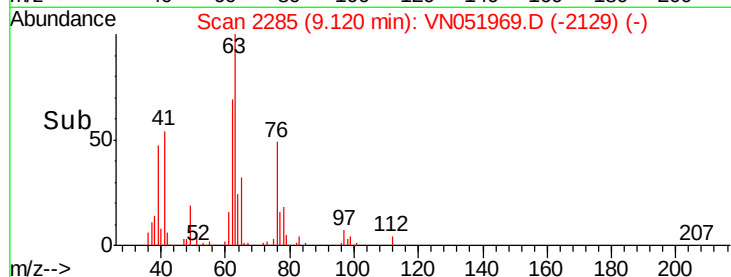
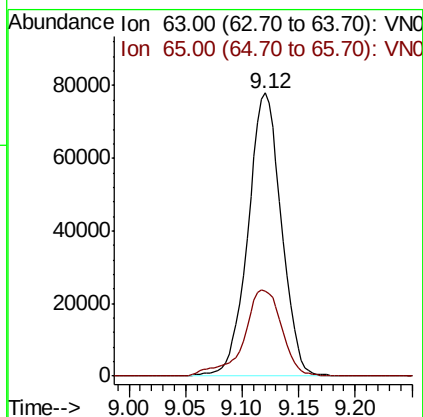
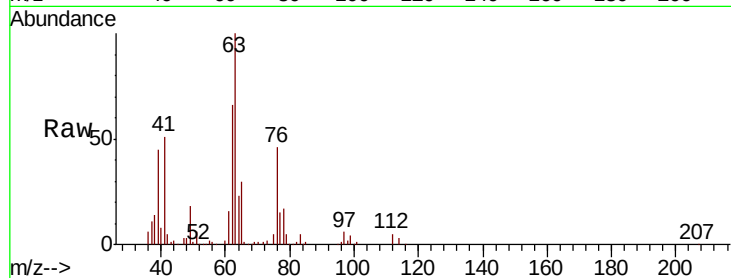
65 30.1 23.2 34.8

Manual Integrations

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#40

Dibromomethane

Concen: 20.261 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

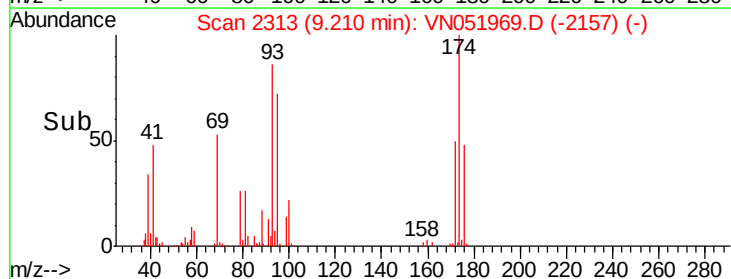
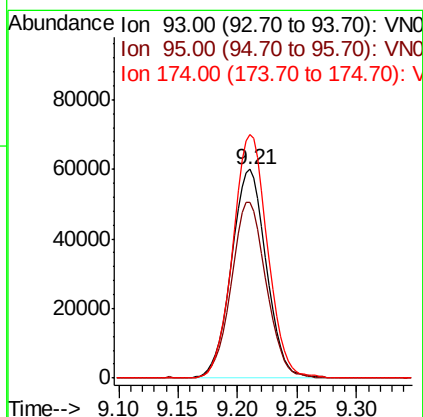
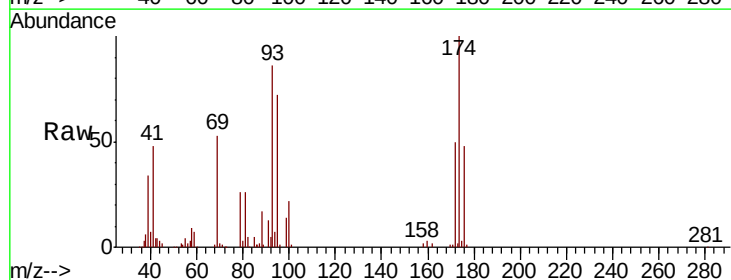
Tgt Ion: 93 Resp: 122152

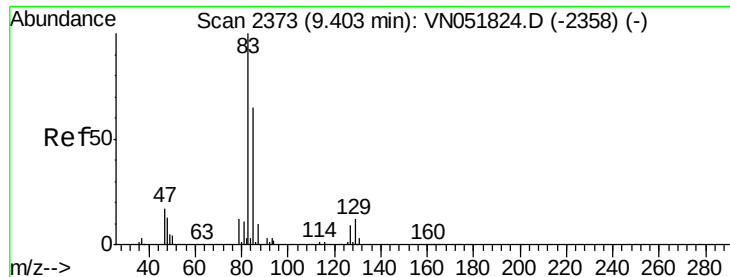
Ion Ratio Lower Upper

93 100

95 84.2 0.0 162.0

174 115.9 0.0 214.0





#41

Bromodichloromethane

Concen: 19.300 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

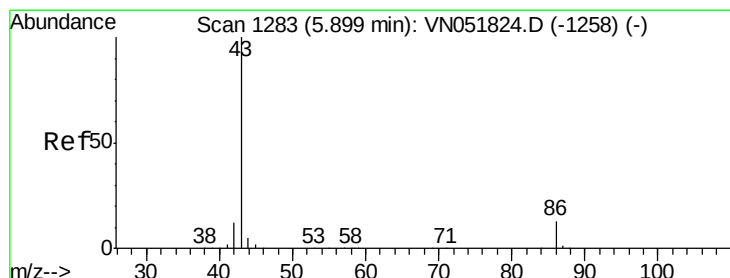
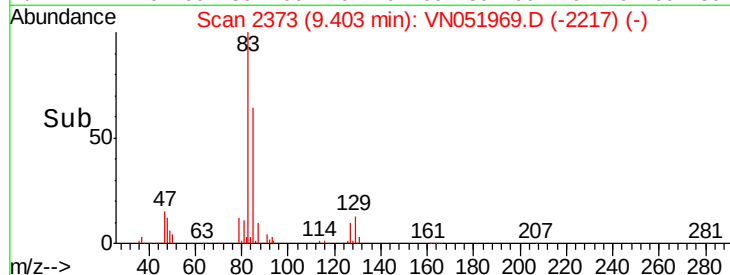
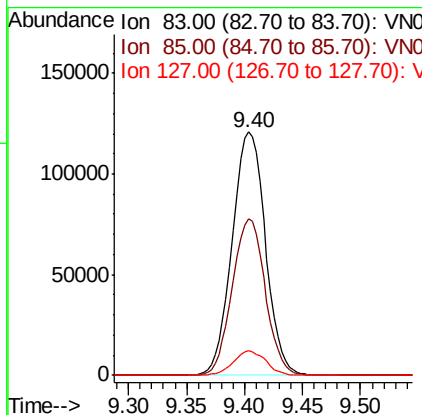
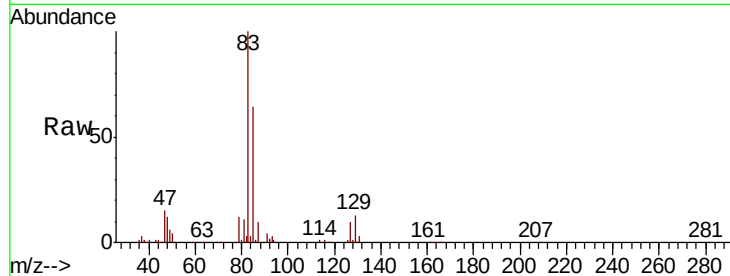
ClientSampleId :

VN1023WBS01

Tot Ion:	83	Resp:	240332
Ion	Ratio	Lower	Upper
83	100		
85	64.3	55.7	83.5
127	10.1	8.2	12.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 88.113 ug/l

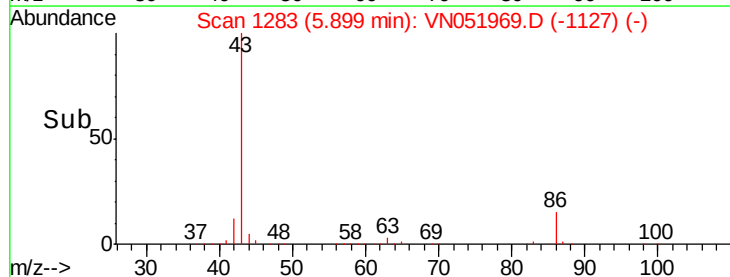
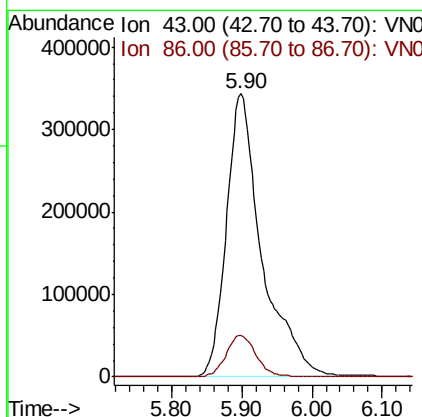
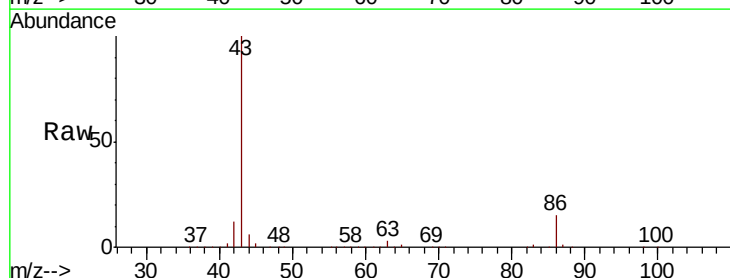
RT: 5.90 min Scan# 1283

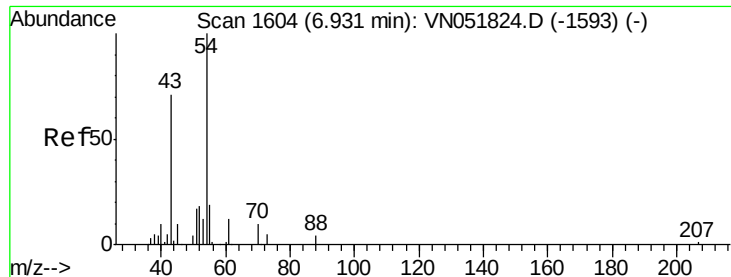
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	43	Resp:	1208922
Ion	Ratio	Lower	Upper
43	100		
86	12.5	6.5	9.7#





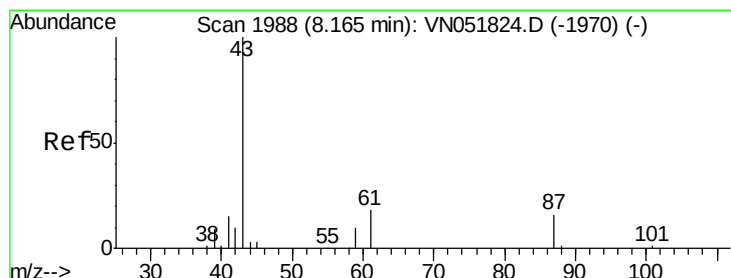
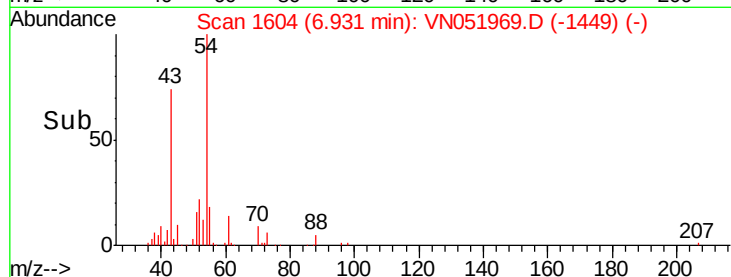
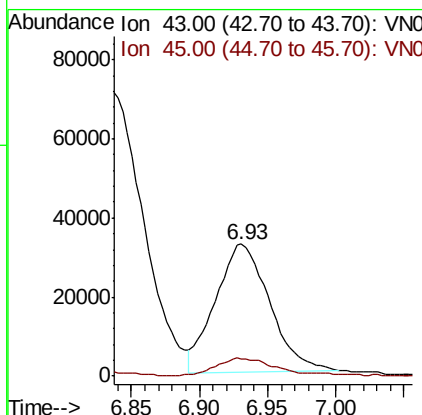
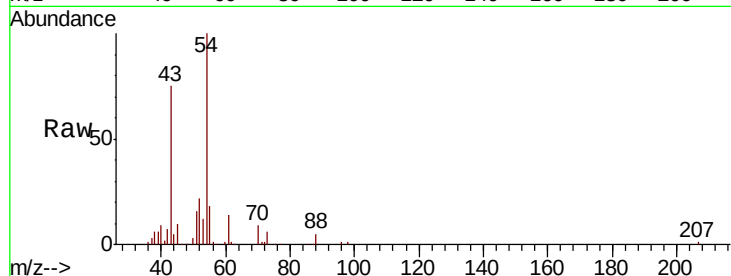
#43
Ethyl Acetate
Concen: 16.904 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	13.7	11.0	16.6	

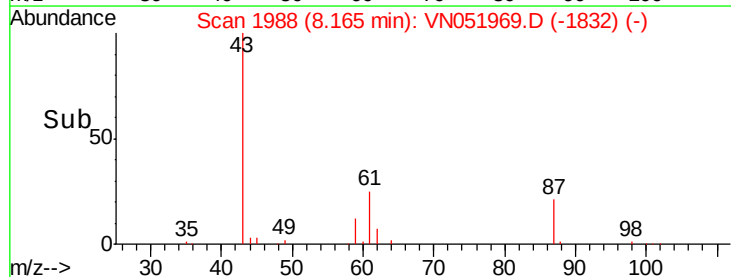
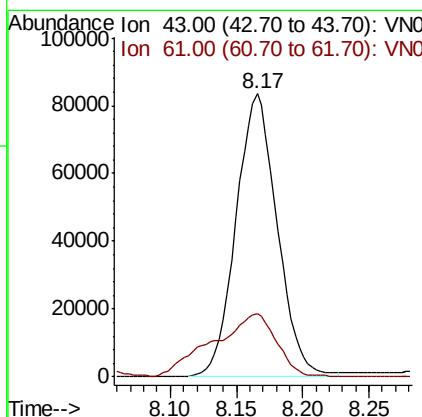
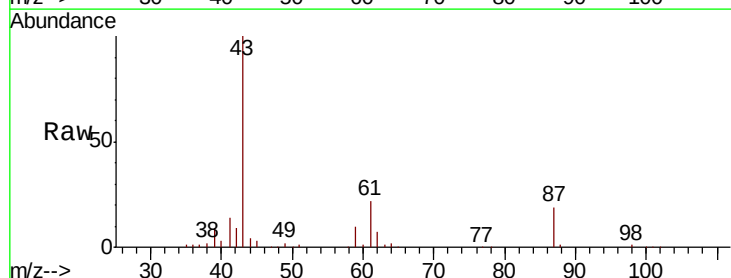
Manual Integrations
APPROVED

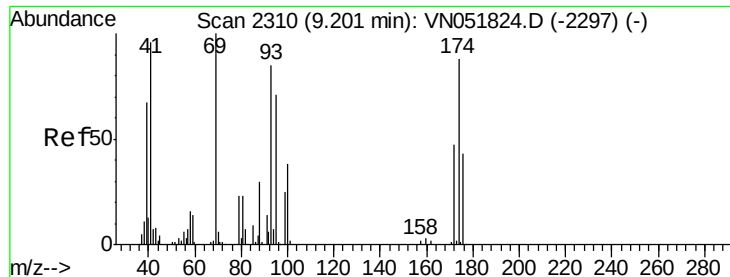
MMDadoda
10/24/2018 10:09:52 AM



#44
Isopropyl Acetate
Concen: 16.922 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	19.7	15.9	23.9	





#45

1,4-Dioxane

Concen: 385.122 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

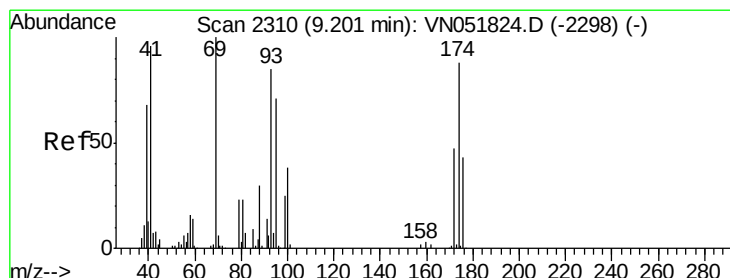
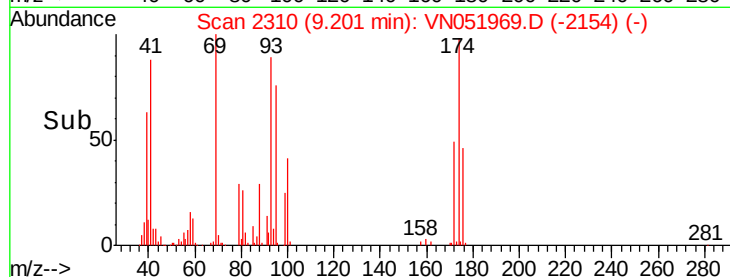
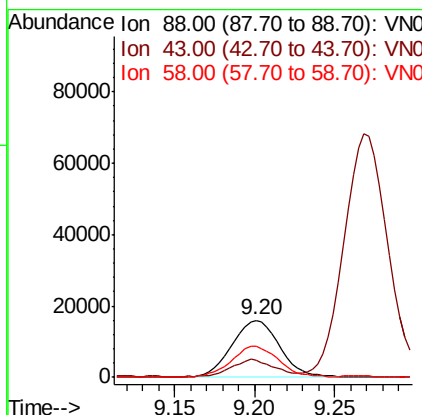
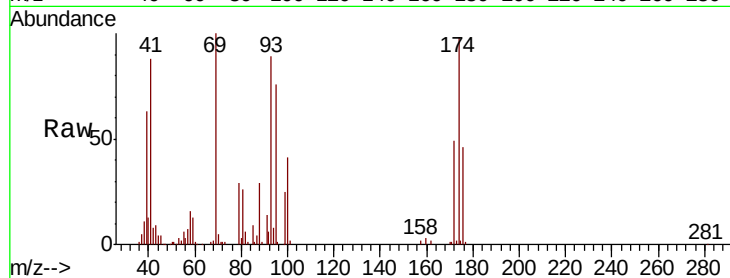
ClientSampleId :

VN1023WBS01

Tot Ion:	88	Resp:	32688
Ion	Ratio	Lower	Upper
88	100		
43	25.2	26.2	39.2#
58	54.1	65.6	98.4#

Manual Integrations
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10/24/2018 10:09:52 AM



#46

Methyl methacrylate

Concen: 18.583 ug/l

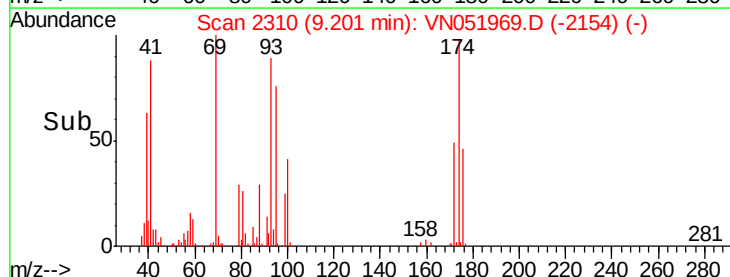
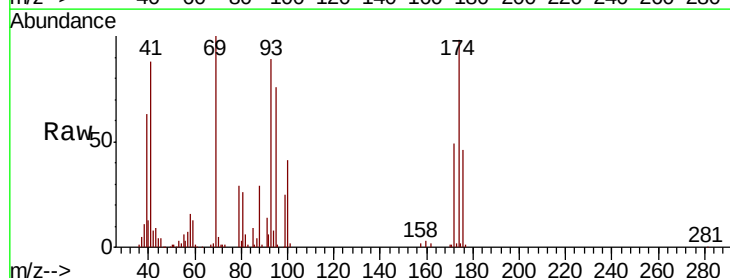
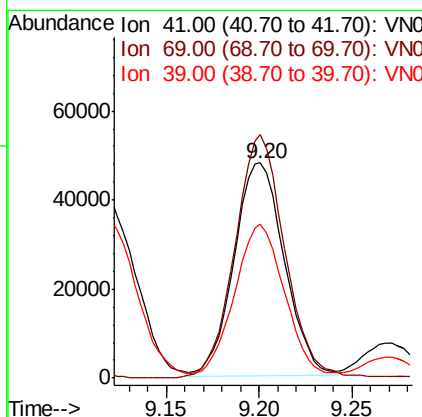
RT: 9.20 min Scan# 2310

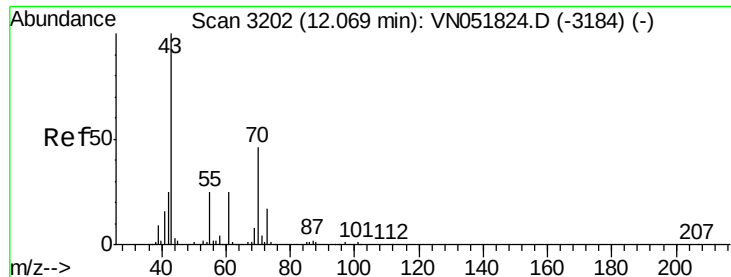
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	41	Resp:	90606
Ion	Ratio	Lower	Upper
41	100		
69	114.9	40.7	122.1
39	71.4	27.3	81.9





#47

n-amyl Acetate

Concen: 18.692 ug/l m

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 43 Resp: 165402

Ion Ratio Lower Upper

43 100

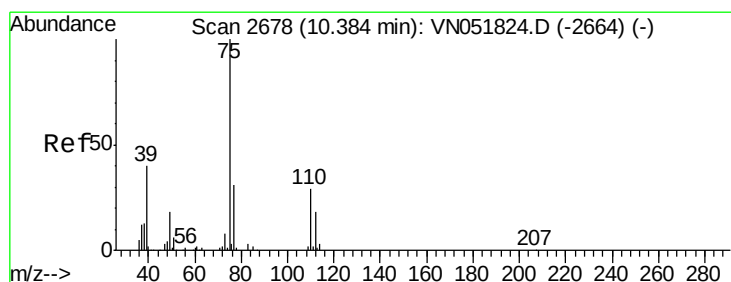
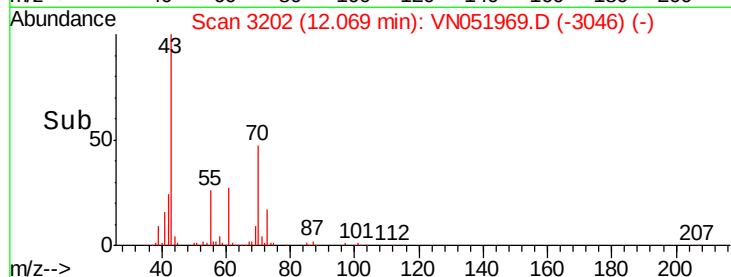
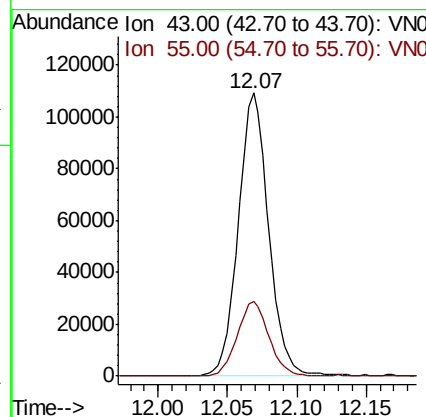
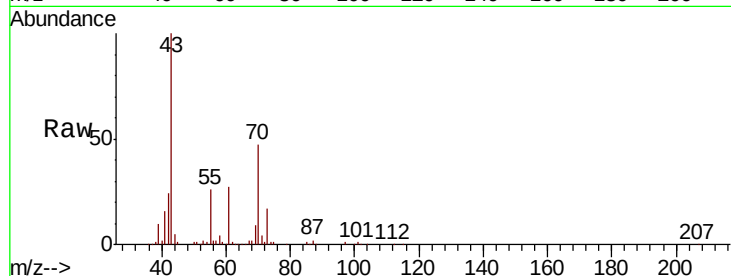
55 0.2 12.2 18.4#

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.455 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051969.D

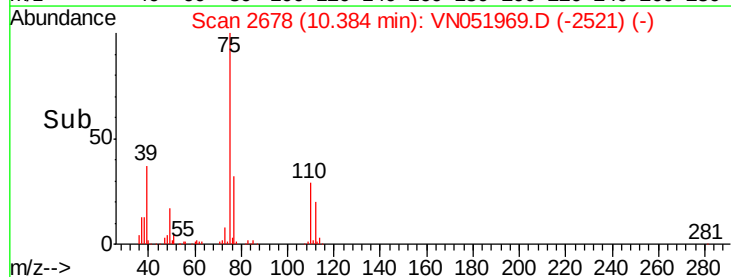
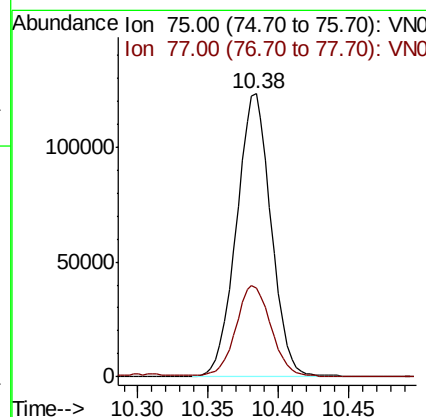
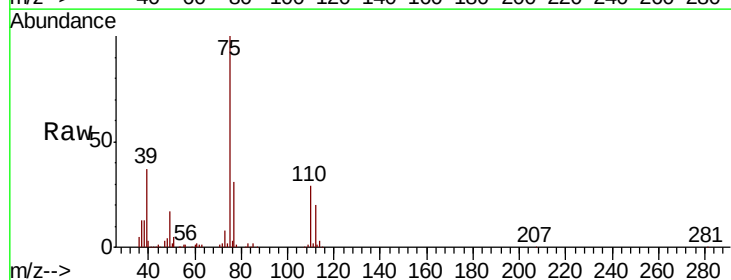
Acq: 23 Oct 2018 18:12

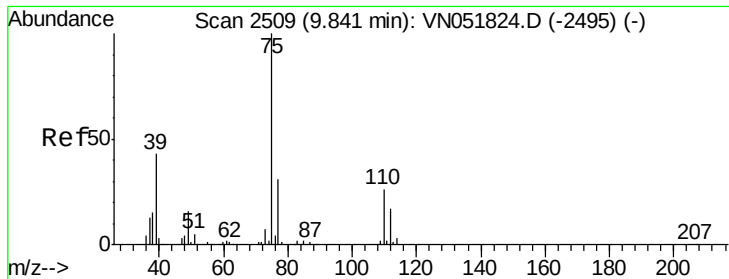
Tgt Ion: 75 Resp: 211963

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0





#49

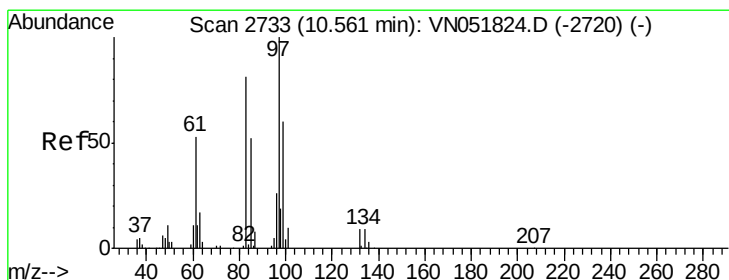
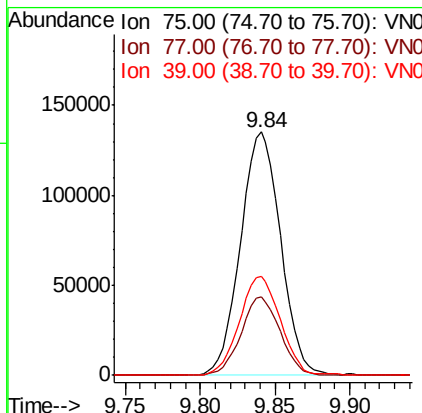
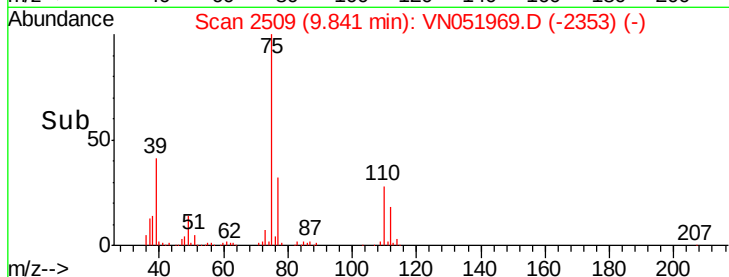
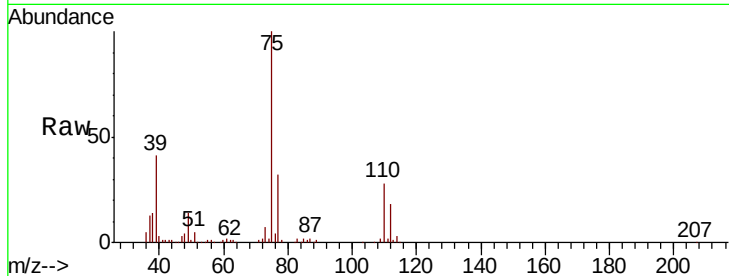
cis-1,3-Dichloropropene
 Concen: 18.881 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	23.2	34.8
39	40.7	34.6	52.0

Manual Integrations
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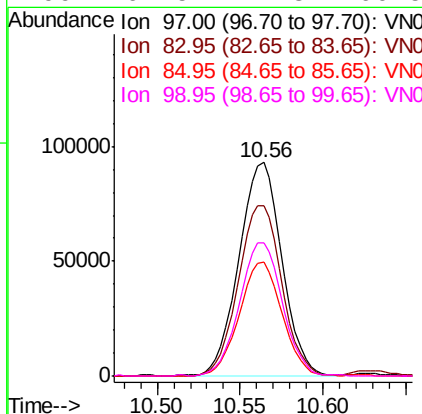
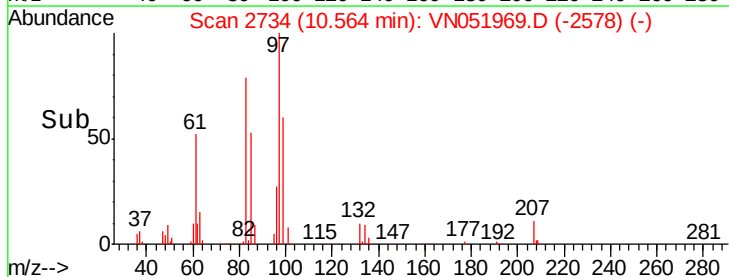
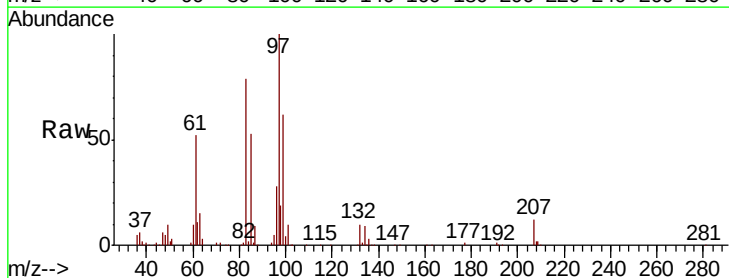
MMDadoda
 10/24/2018 10:09:52 AM

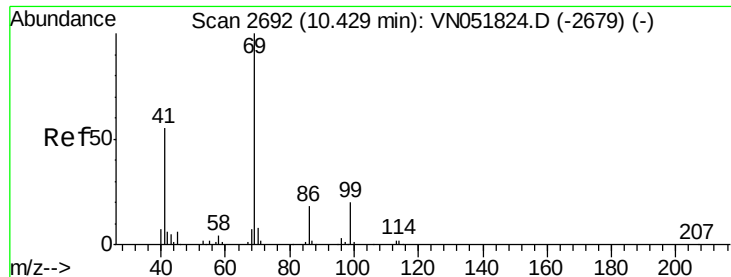


#50

1,1,2-Trichloroethane
 Concen: 20.226 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.2	102.4
85	53.3	42.5	63.7
99	62.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 18.452 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

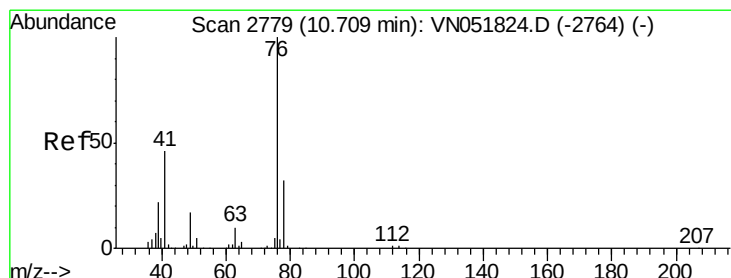
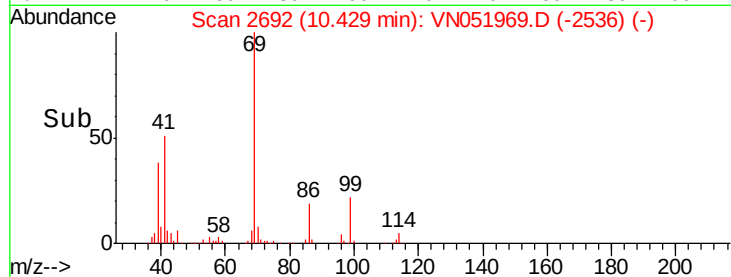
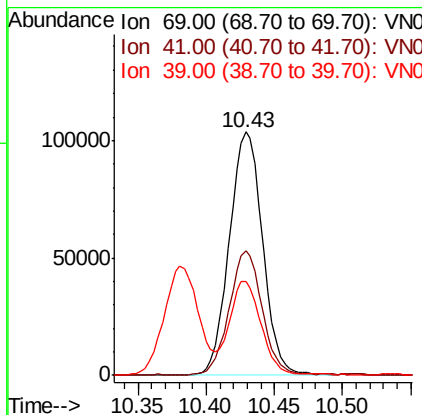
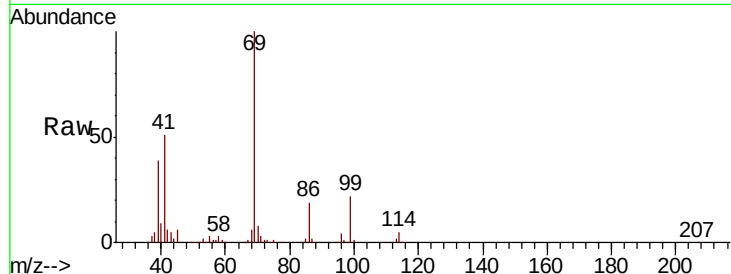
ClientSampled :

VN1023WBS01

Tot Ion:	69	Resp:	175973
Ion	Ratio	Lower	Upper
69	100		
41	50.9	34.4	103.1
39	38.4	16.3	48.8

Manual Integrations
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MMDadoda
10/24/2018 10:09:52 AM



#52

1,3-Dichloropropane

Concen: 20.051 ug/l

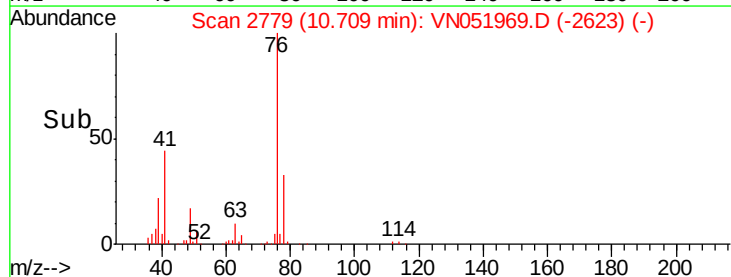
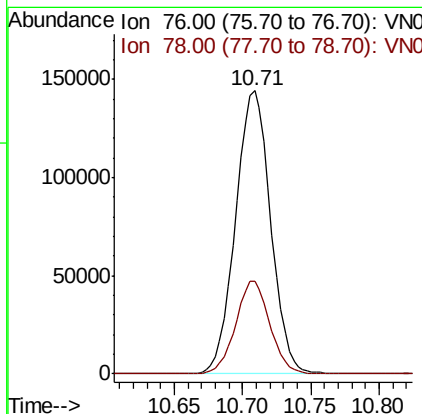
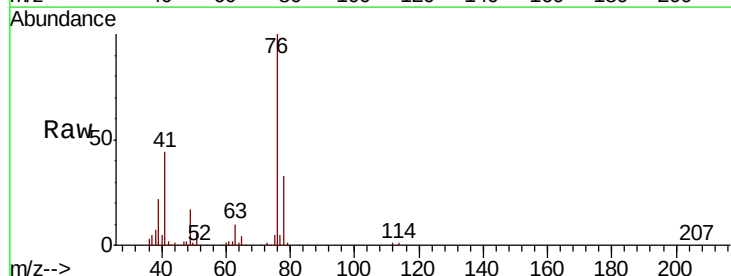
RT: 10.71 min Scan# 2779

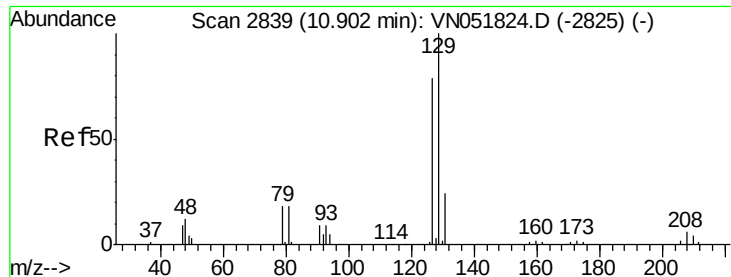
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	76	Resp:	257773
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	67.6





#53

Dibromochloromethane

Concen: 17.922 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion:129 Resp: 184679

Ion Ratio Lower Upper

129 100

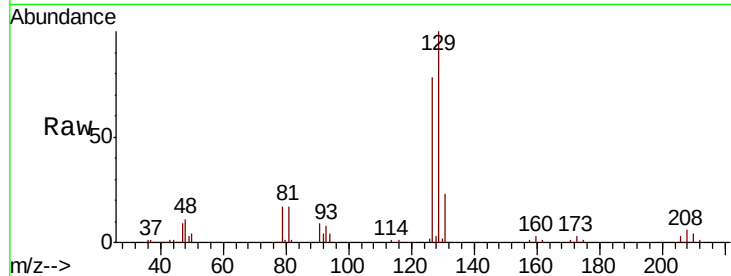
127 76.9 40.2 120.5

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

100000

80000

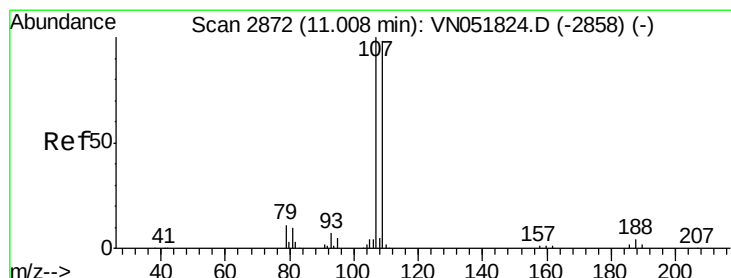
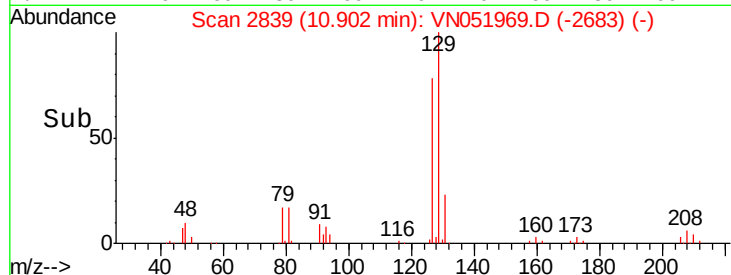
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.982 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051969.D

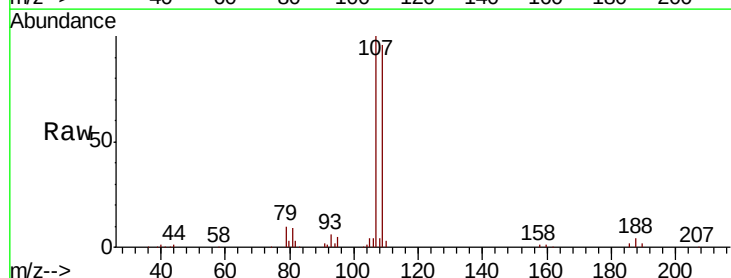
Acq: 23 Oct 2018 18:12

Tgt Ion:107 Resp: 174706

Ion Ratio Lower Upper

107 100

109 96.2 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

100000

80000

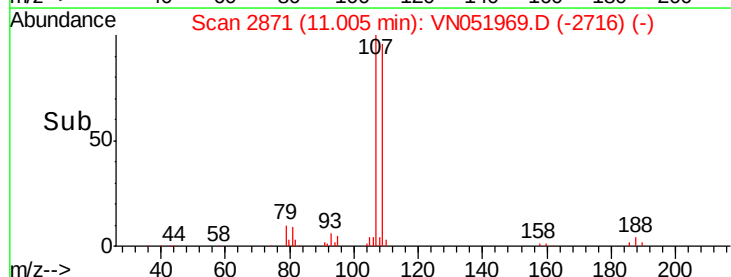
60000

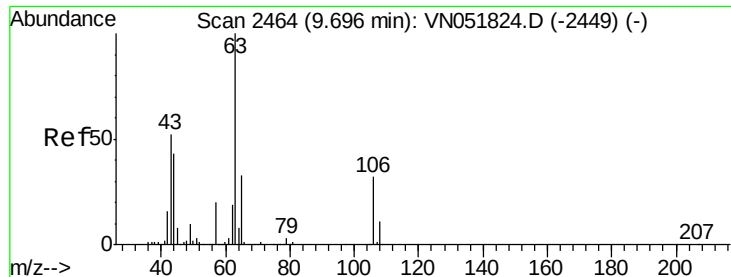
40000

20000

0

Time-->





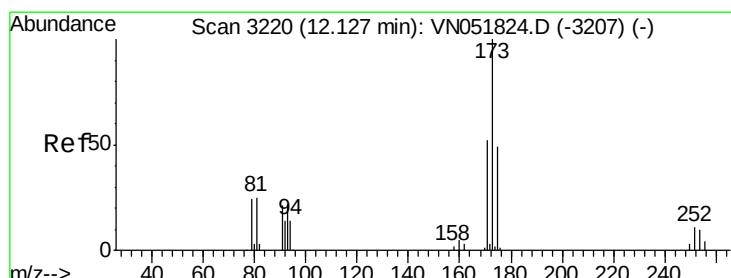
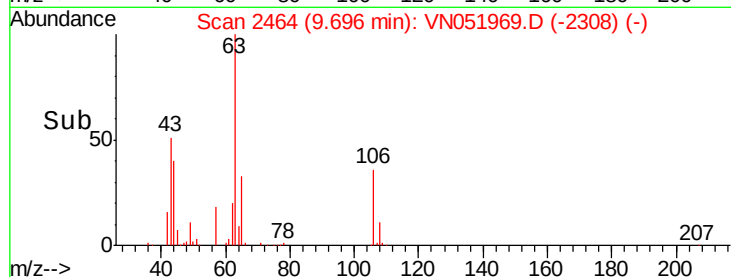
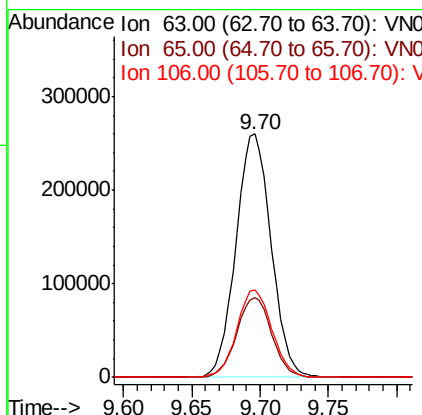
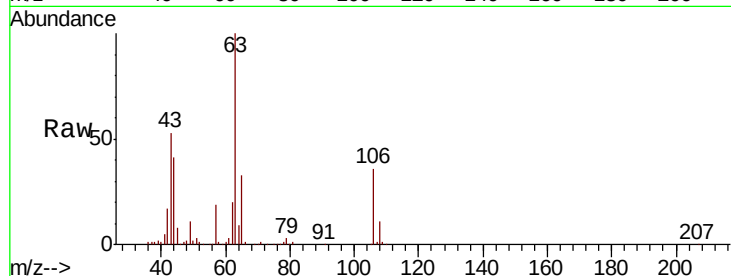
#55
2-Chloroethyl vinyl ether
Concen: 114.460 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.4	38.0
106	35.6	21.2	31.8

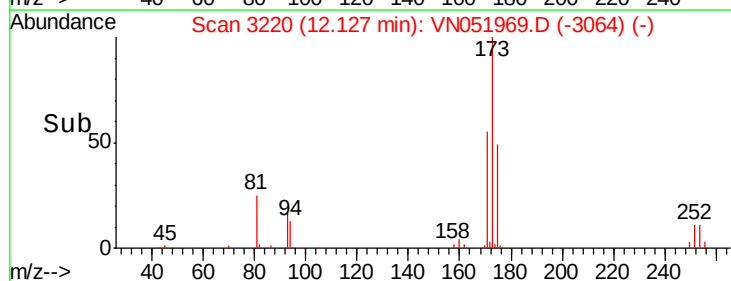
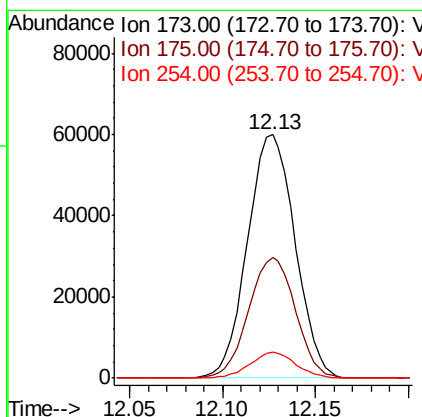
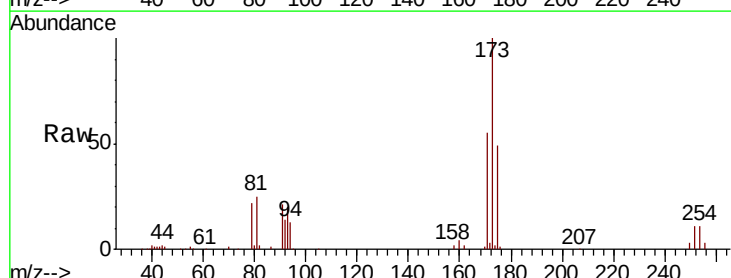
Manual Integrations
APPROVED

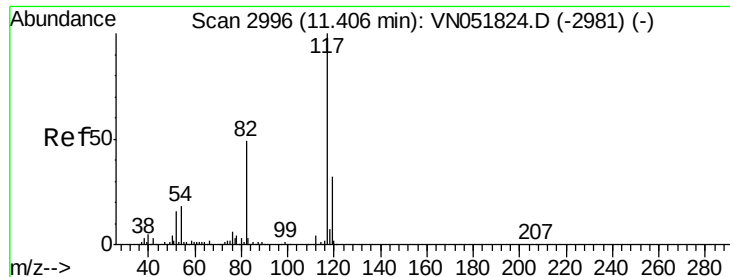
MMDadoda
10/24/2018 10:09:52 AM



#56
Bromoform
Concen: 15.728 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	35.8	53.8
254	10.0	8.6	13.0





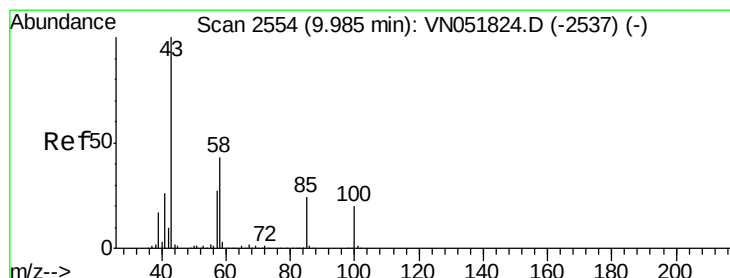
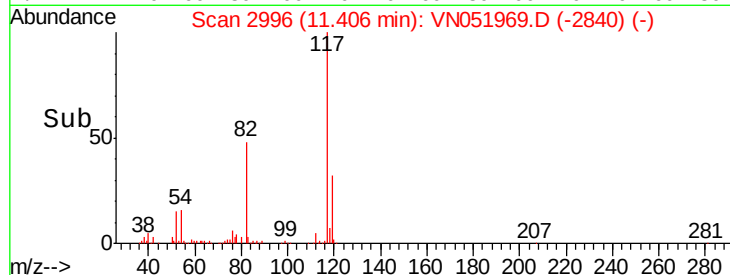
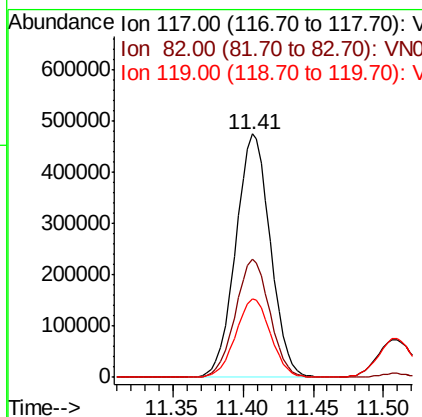
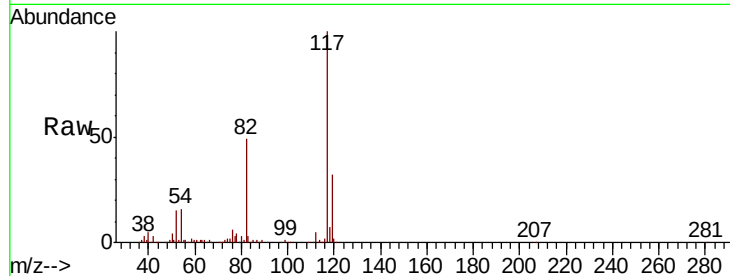
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.2	44.1	66.1
119	32.4	25.8	38.8

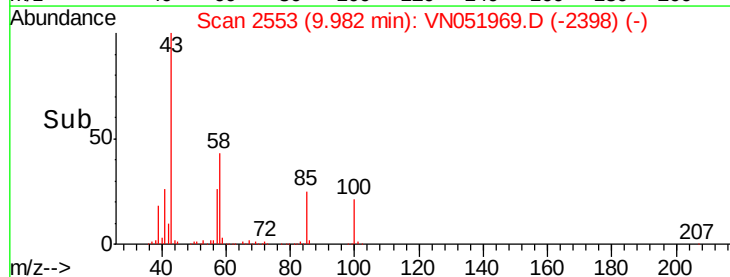
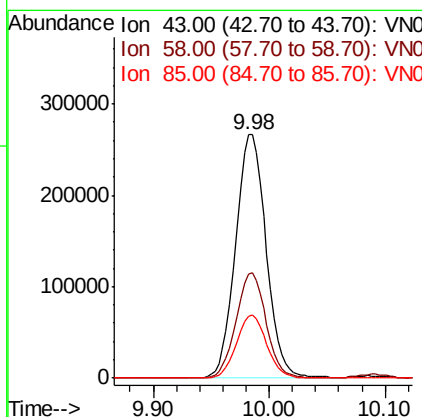
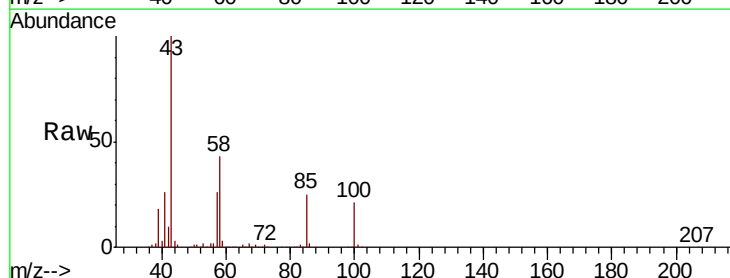
Manual Integrations
APPROVED

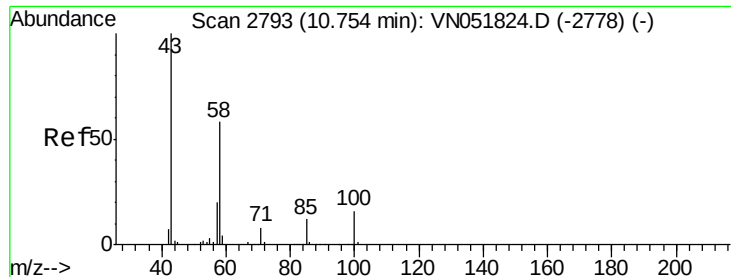
MMDadoda
10/24/2018 10:09:52 AM



#58
4-Methyl-2-Pentanone
Concen: 88.621 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.8	29.3	43.9
85	25.6	12.6	18.8#





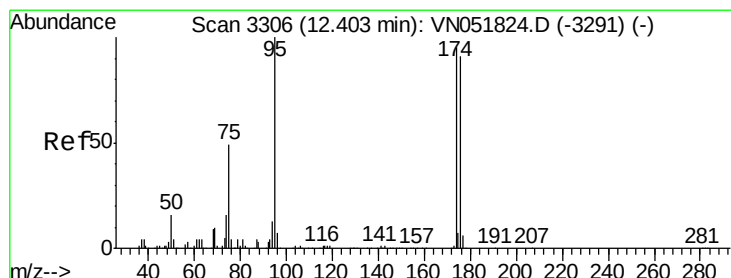
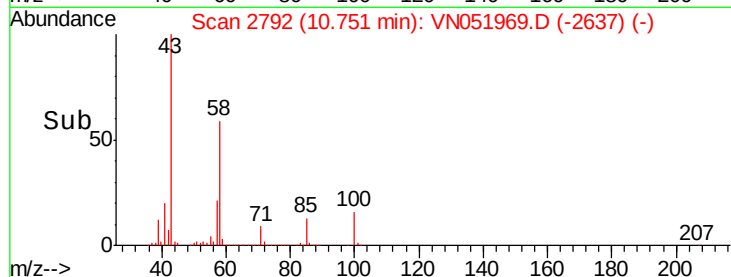
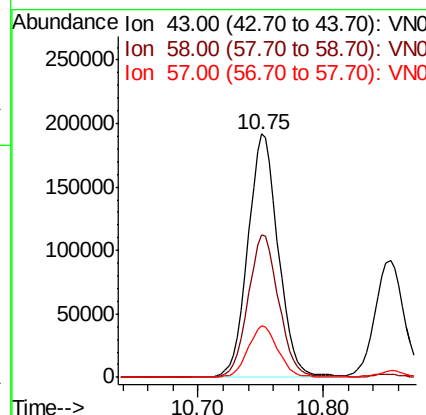
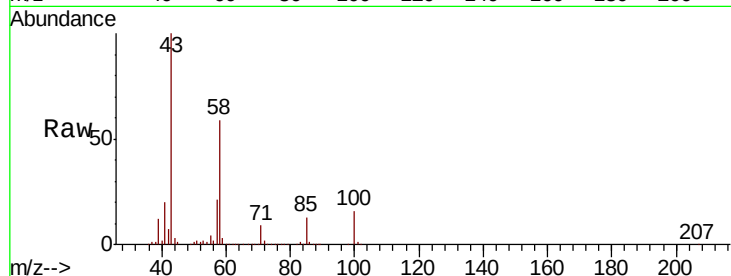
#59
2-Hexanone
Concen: 87.153 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	41.3	61.9
57	20.9	13.4	20.0

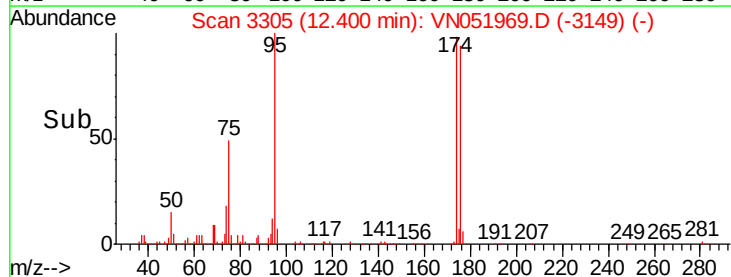
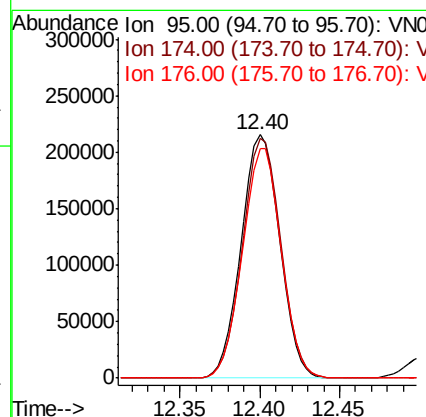
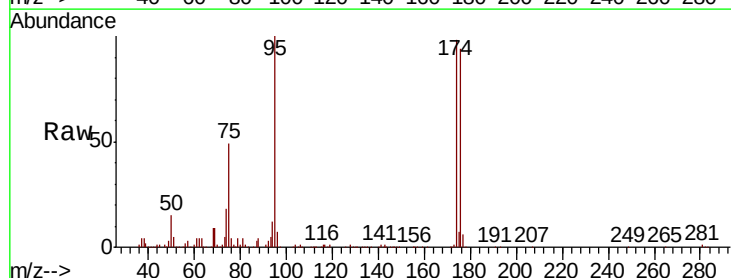
Manual Integrations
APPROVED

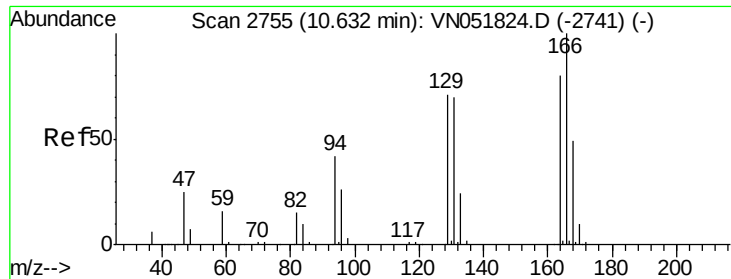
MMDadoda
10/24/2018 10:09:52 AM



#60
4-Bromofluorobenzene
Concen: 87.153 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.2	73.5	110.3
176	94.7	70.2	105.2





#61

Tetrachloroethene

Concen: 19.676 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion:164 Resp: 205694

Ion Ratio Lower Upper

164 100

166 127.9 98.7 148.1

129 88.2 69.6 104.4

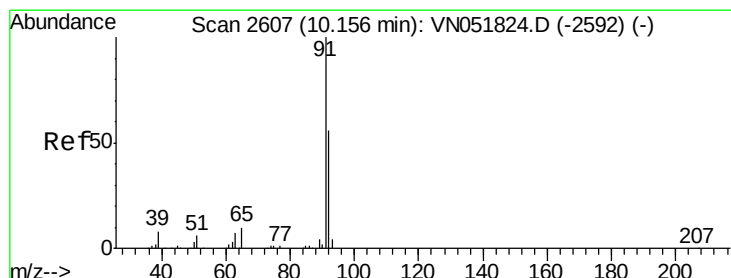
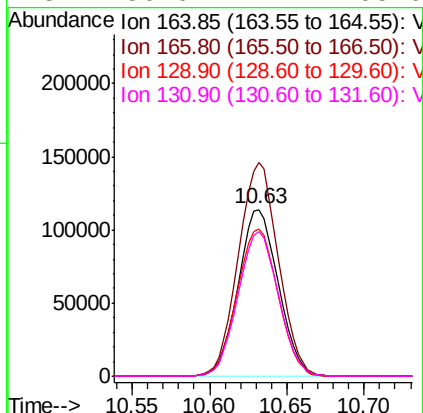
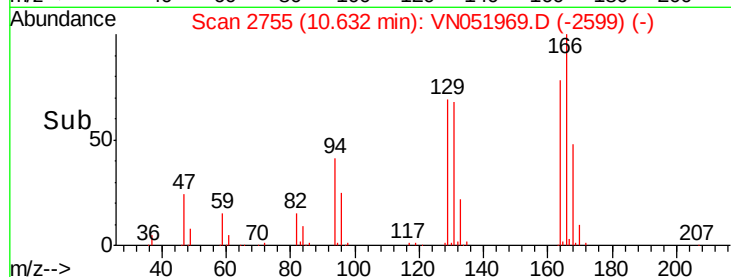
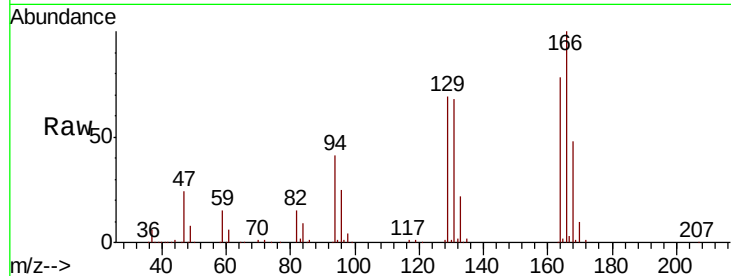
131 86.6 72.4 108.6

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#62

Toluene

Concen: 20.448 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051969.D

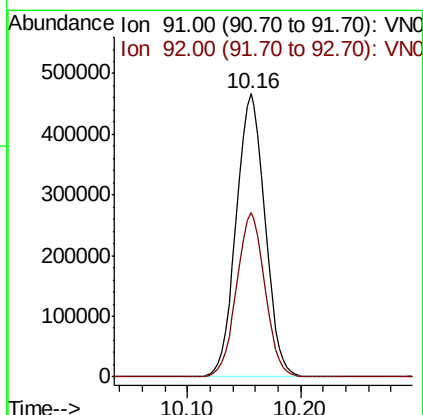
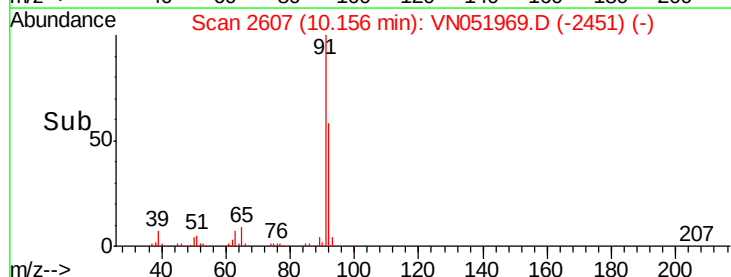
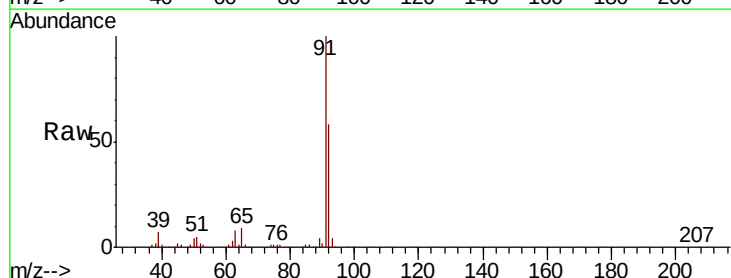
Acq: 23 Oct 2018 18:12

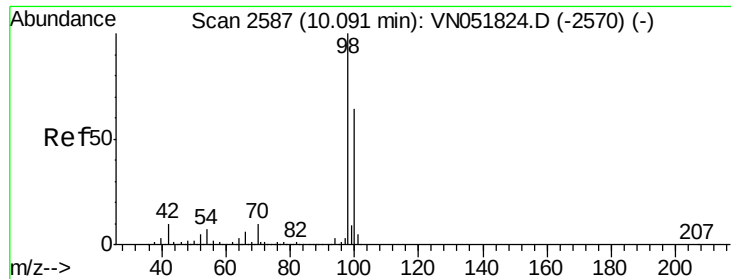
Tgt Ion: 91 Resp: 830399

Ion Ratio Lower Upper

91 100

92 56.9 44.6 66.8





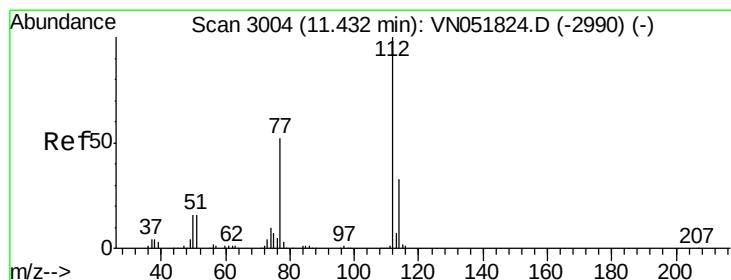
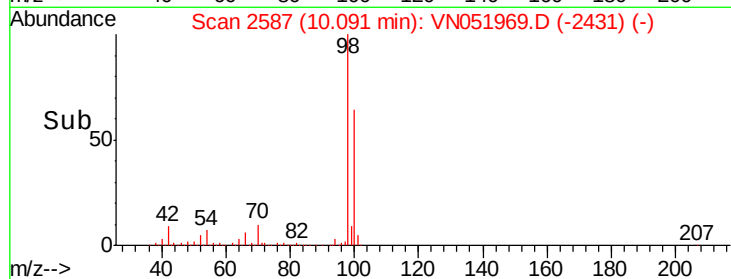
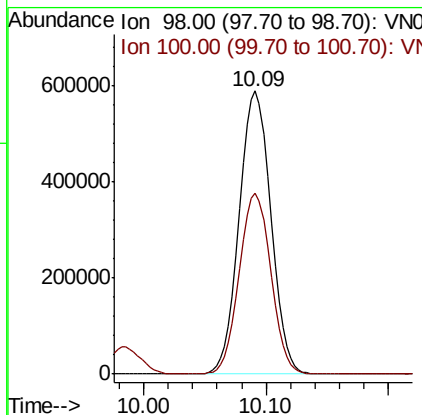
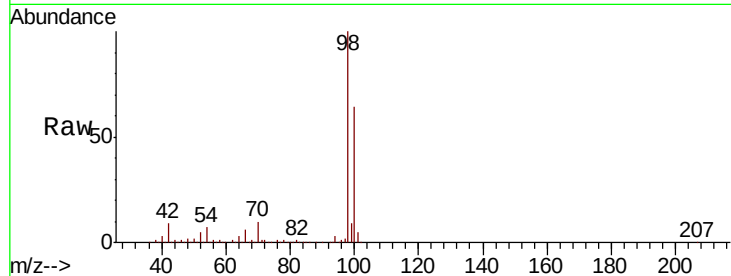
#63
Toluene-d8
Concen: 20.448 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion: 98 Resp: 1056653
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2

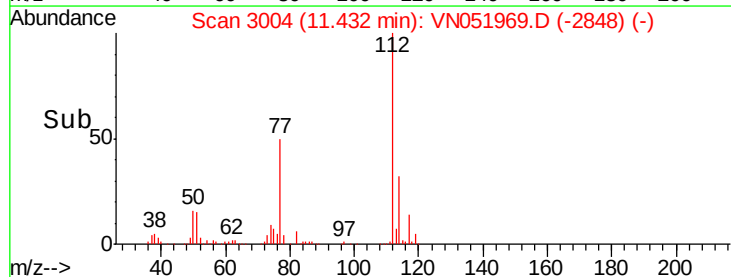
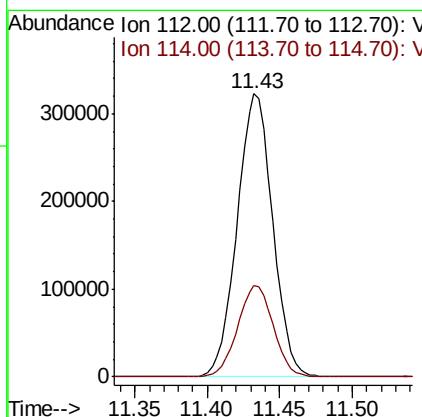
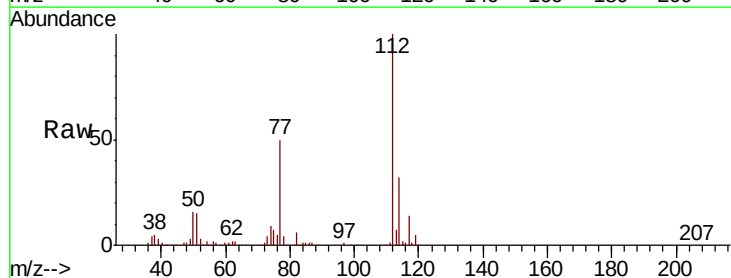
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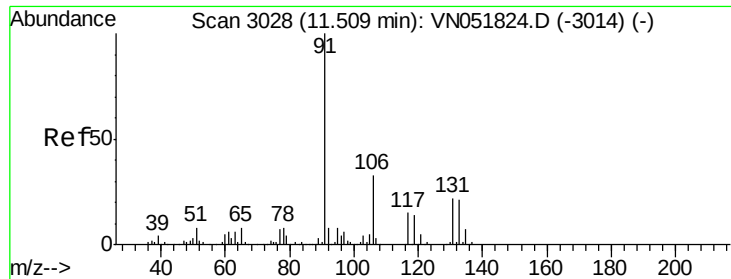
MMDadoda
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#64
Chlorobenzene
Concen: 20.696 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 112 Resp: 550433
Ion Ratio Lower Upper
112 100
114 32.4 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.744 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

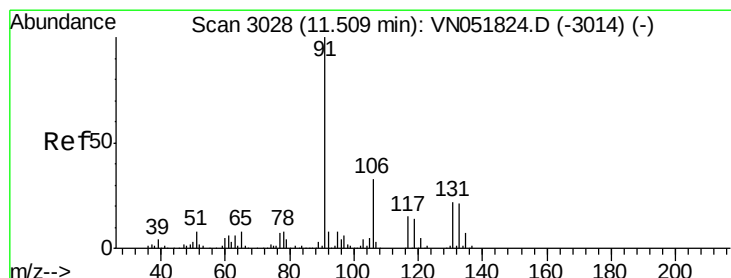
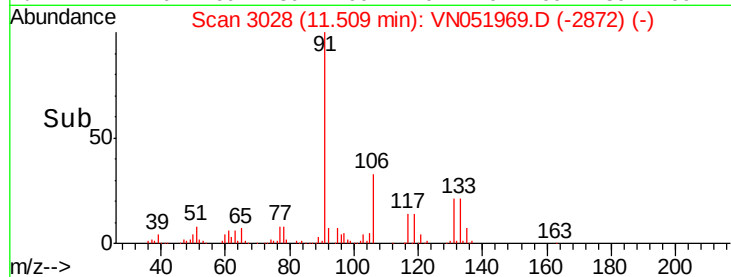
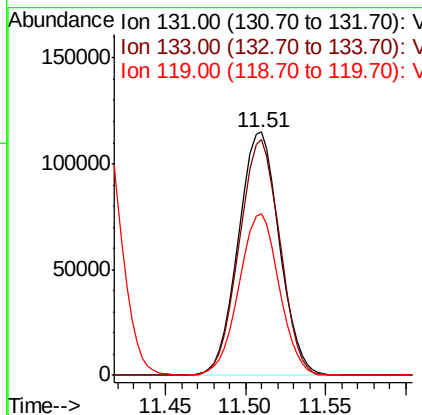
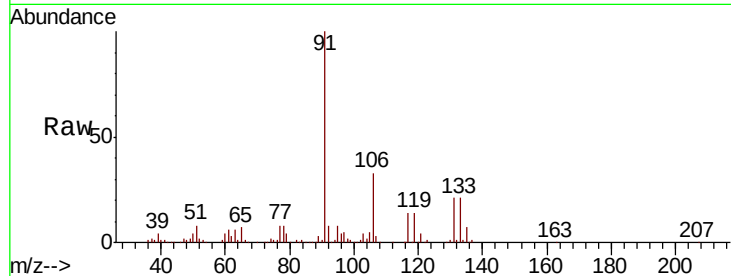
ClientSampleId :

VN1023WBS01

Tot Ion:	131	Resp:	201556
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	190.4
119	64.9	0.0	128.0

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#66

Ethyl Benzene

Concen: 20.033 ug/l

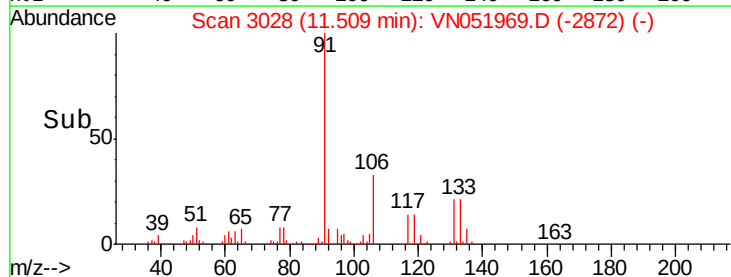
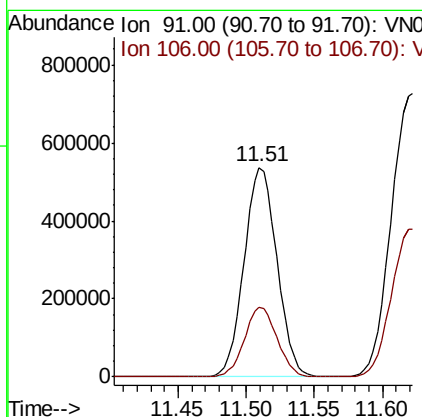
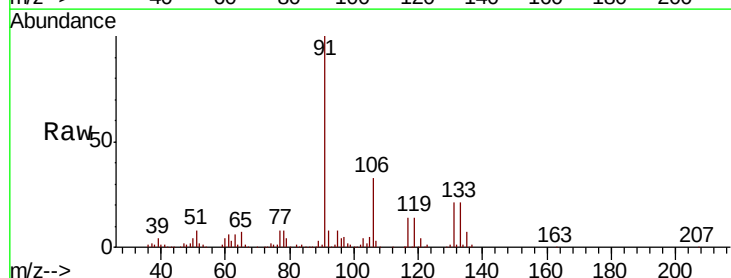
RT: 11.51 min Scan# 3028

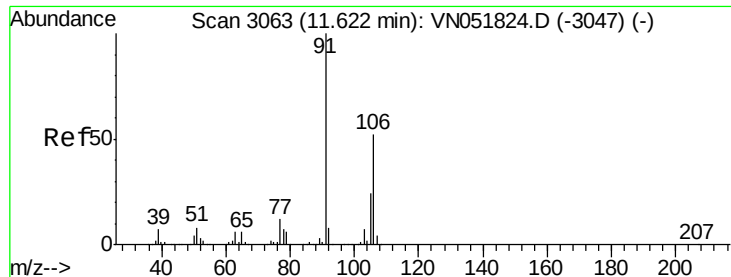
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	91	Resp:	899116
Ion Ratio	Lower	Upper	
91	100		
106	33.2	25.9	38.9





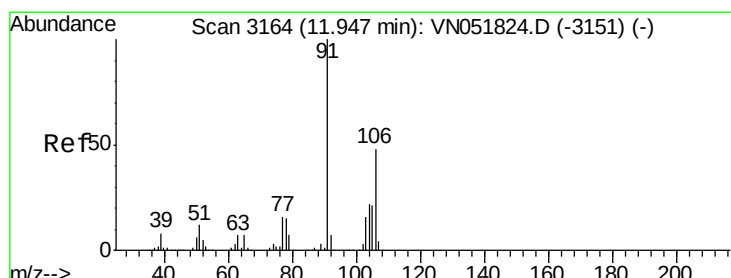
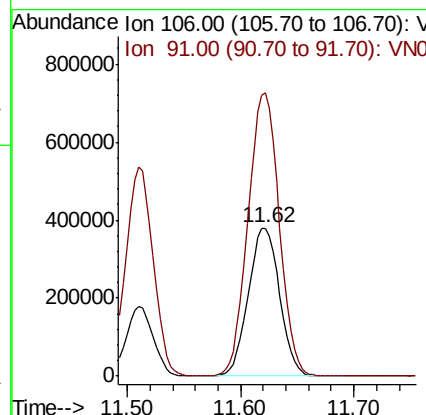
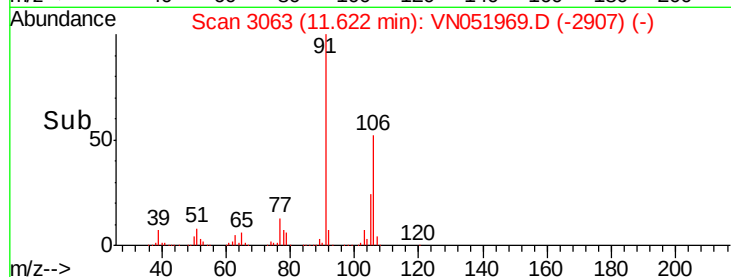
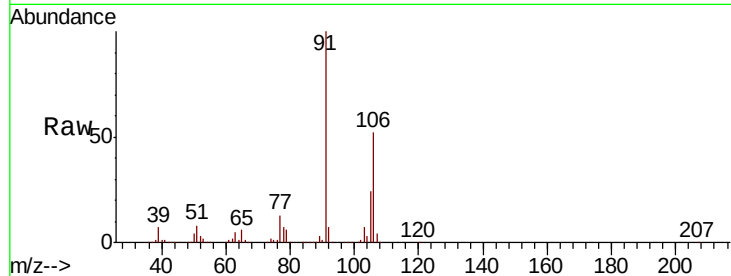
#67
m/p-Xylenes
Concen: 40.137 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	191.3	158.8	730337	238.2	

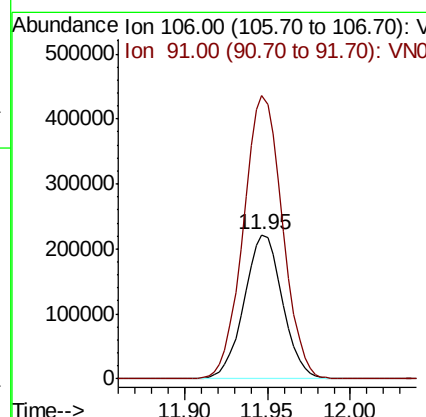
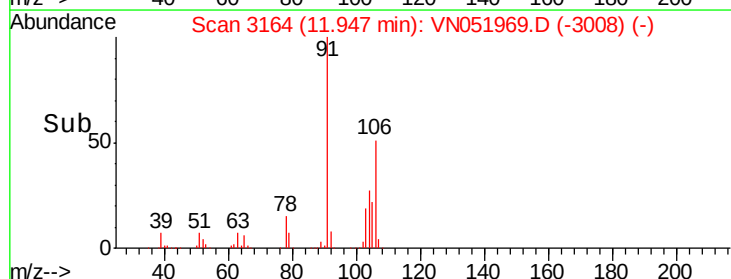
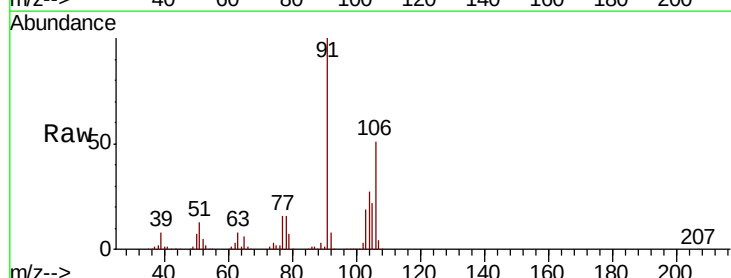
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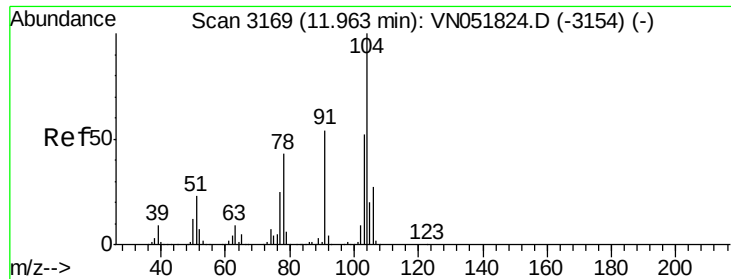
MMDadoda
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#68
o-Xylene
Concen: 19.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	200.7	111.1	355600	333.3	





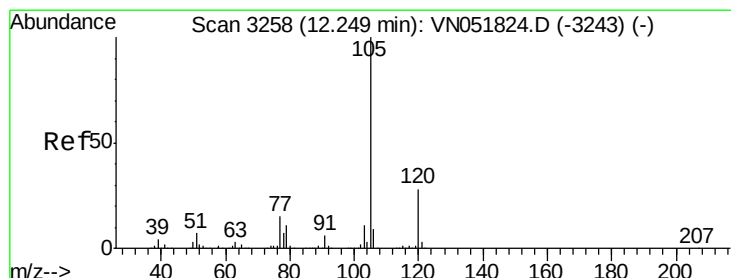
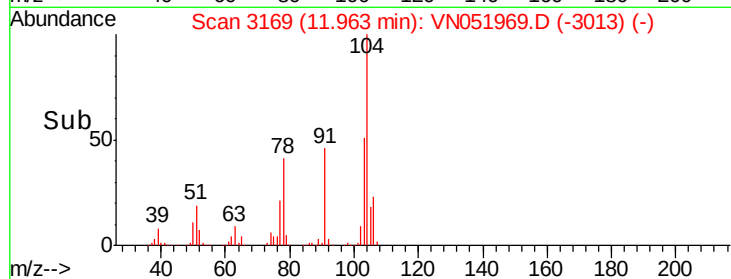
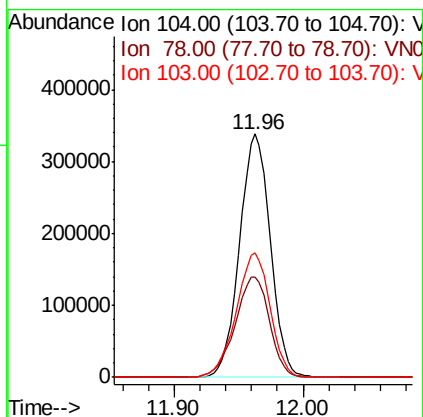
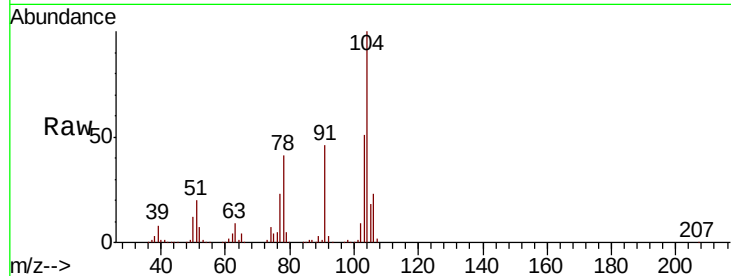
#69
Stvrene
Concen: 20.481 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.8	40.6	60.8
103	55.9	44.0	66.0

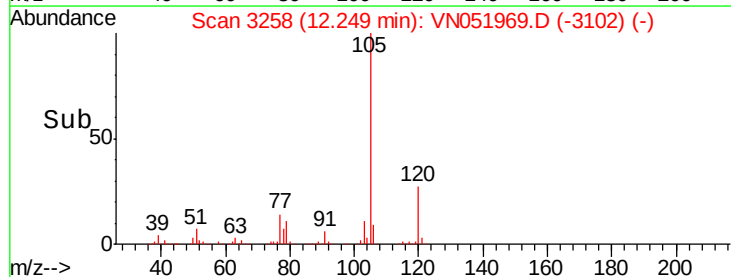
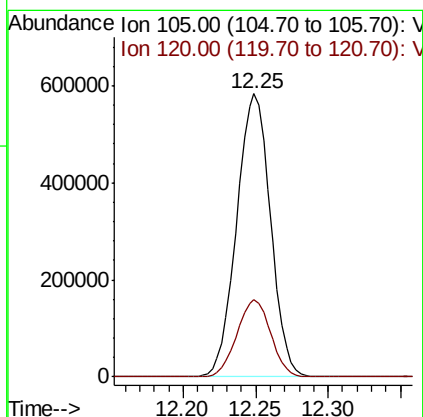
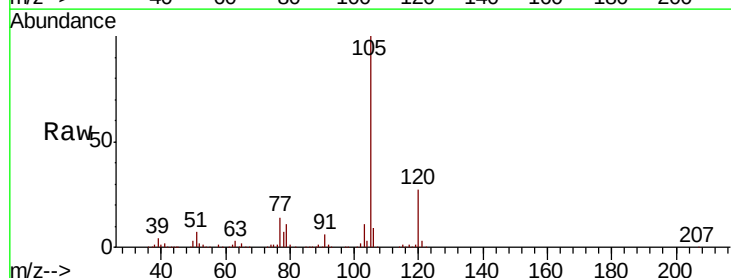
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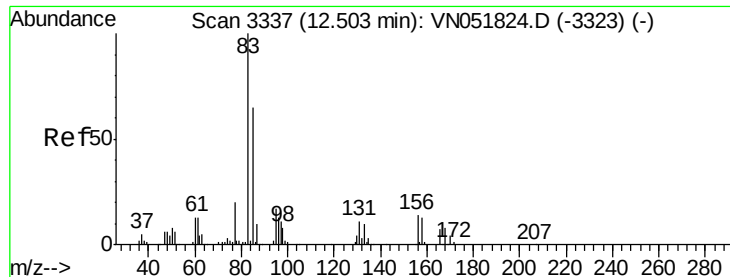
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#70
Isopropylbenzene
Concen: 19.776 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 19.533 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 83 Resp: 184520

Ion Ratio Lower Upper

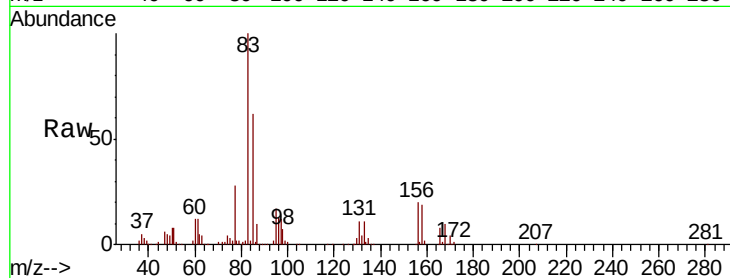
83 100

131 12.3 5.5 16.4

85 65.0 30.6 91.8

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Abundance Ion 83.00 (82.70 to 83.70): VN051969.D (-3181) (-)

Ion 131.00 (130.70 to 131.70): VN051969.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN051969.D (-3181) (-)

12.50

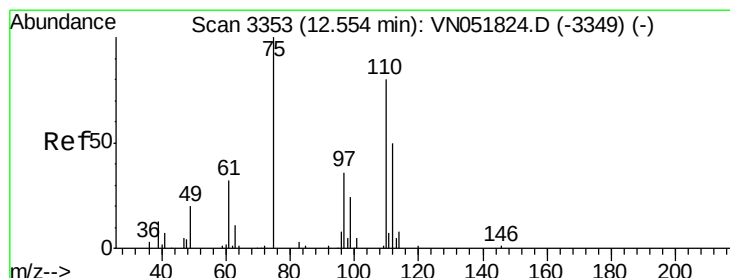
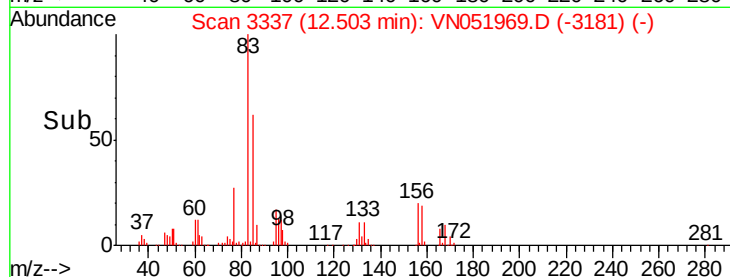
100000

50000

0

12.45 12.50 12.55

Time-->



#72

1,2,3-Trichloropropane

Concen: 20.604 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051969.D

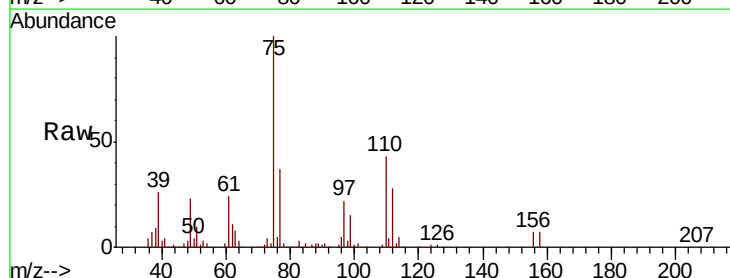
Acq: 23 Oct 2018 18:12

Tgt Ion: 75 Resp: 153123

Ion Ratio Lower Upper

75 100

77 235.0 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051969.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN051969.D (-3197) (-)

200000

150000

100000

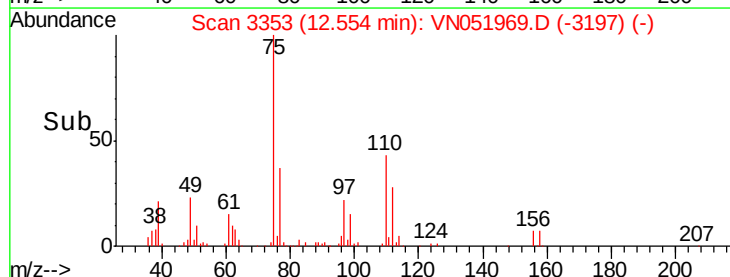
50000

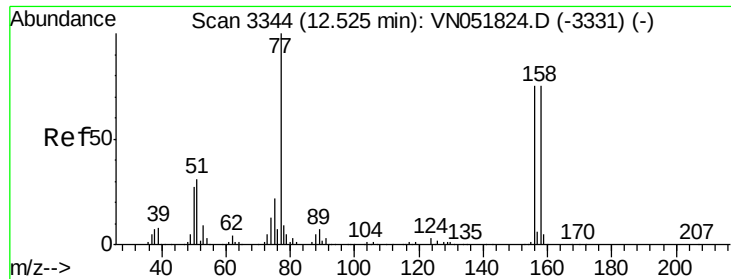
0

12.55

12.60

Time-->





#73

Bromobenzene

Concen: 21.749 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

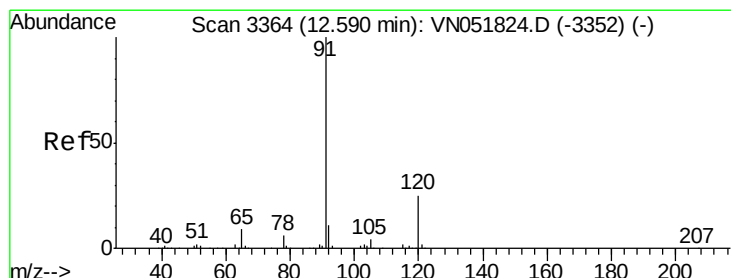
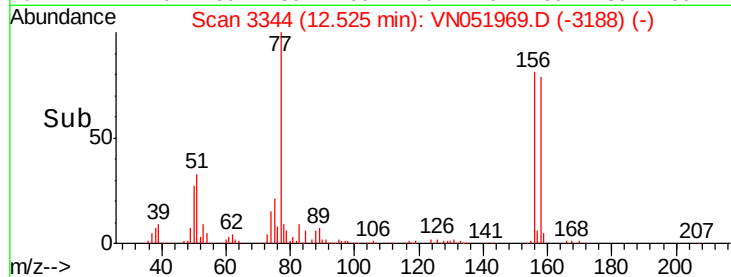
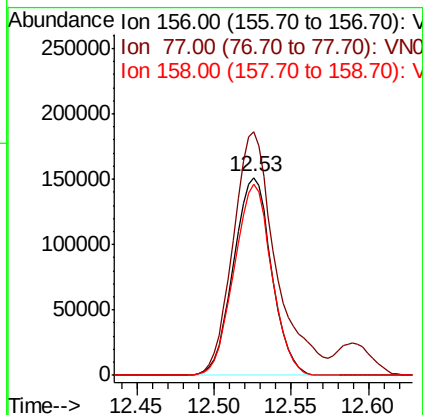
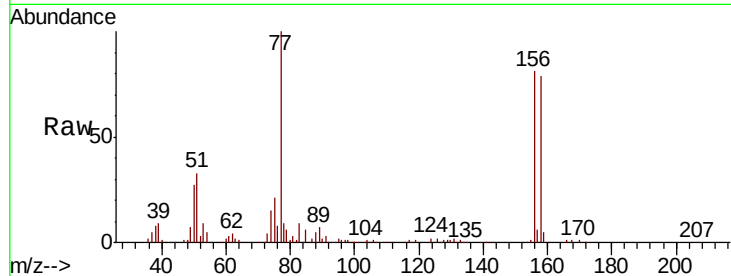
ClientSampleId :

VN1023WBS01

Tot Ion:	156	Resp:	257698
Ion Ratio	Lower	Upper	
156	100		
77	139.6	0.0	377.4
158	95.8	0.0	203.0

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#74

n-propylbenzene

Concen: 19.900 ug/l

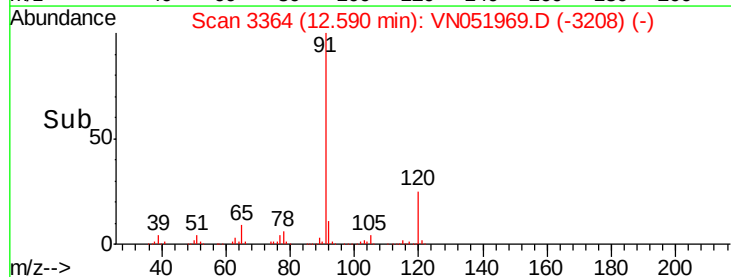
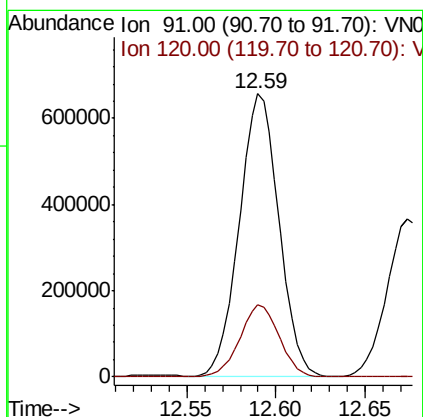
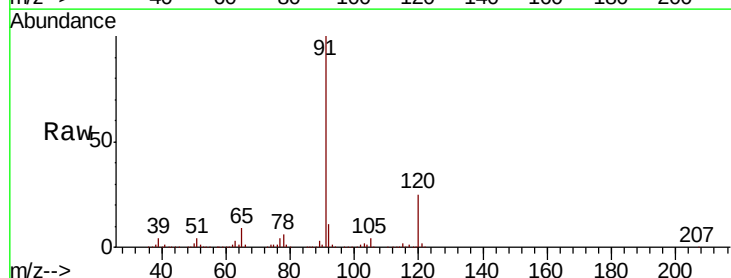
RT: 12.59 min Scan# 3364

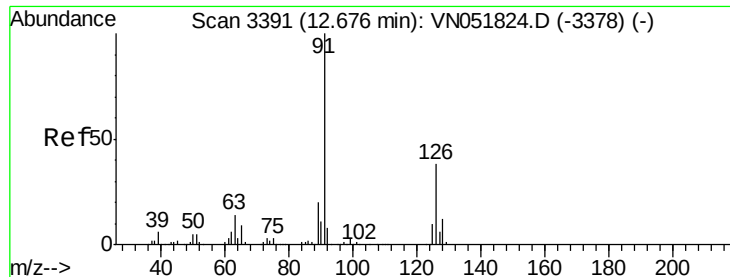
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	91	Resp:	1023912
Ion Ratio	Lower	Upper	
91	100		
120	25.3	0.0	45.0





#75

2-Chlorotoluene

Concen: 20.011 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

VN1023WBS01

Tot Ion: 91 Resp: 603647

Ion Ratio Lower Upper

91 100

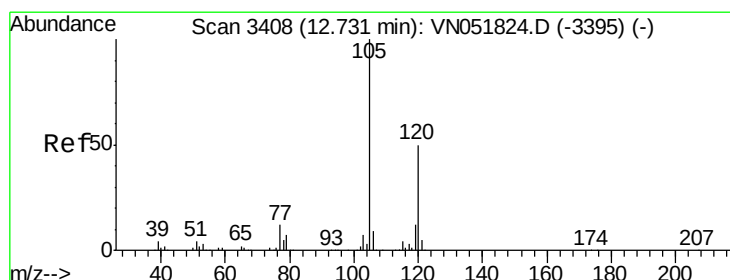
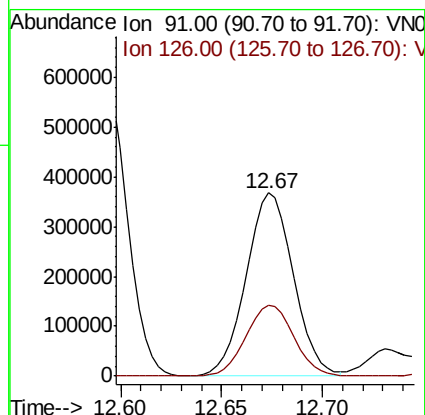
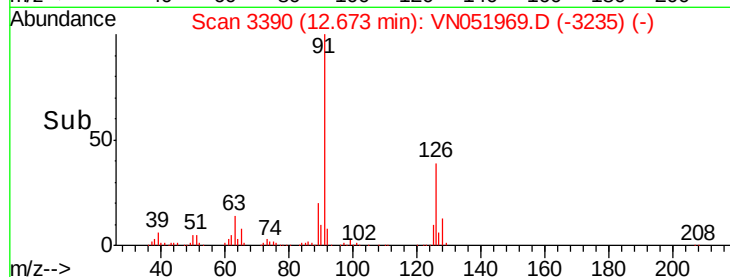
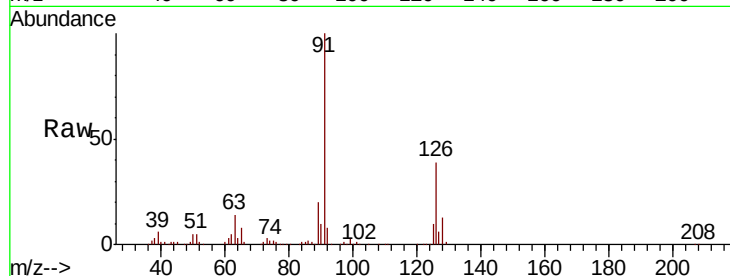
126 39.4 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 19.628 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051969.D

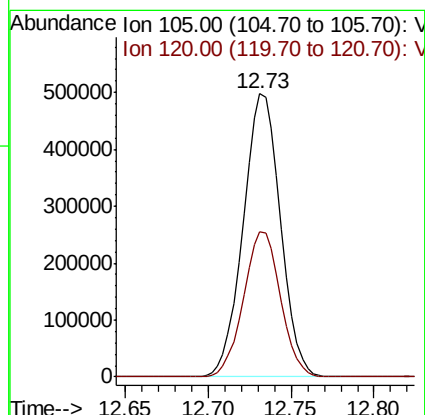
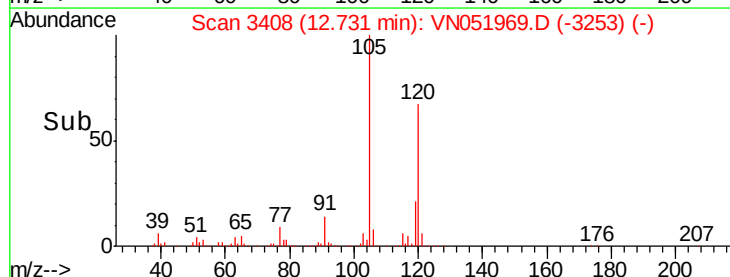
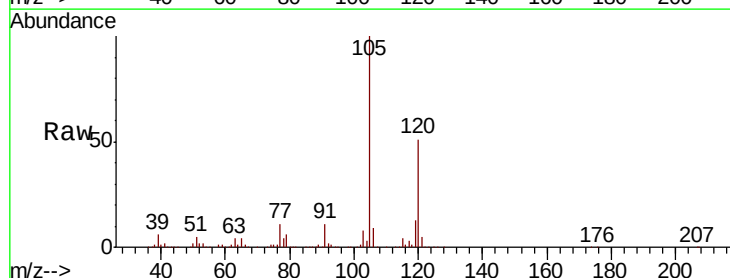
Acq: 23 Oct 2018 18:12

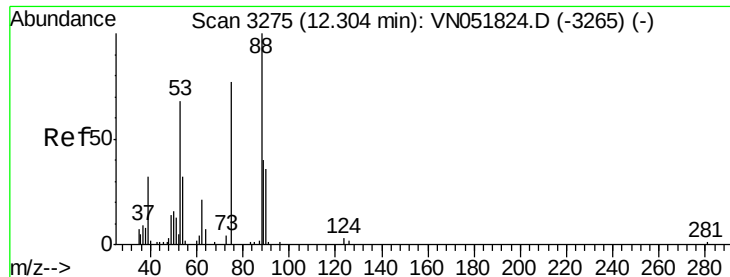
Tgt Ion: 105 Resp: 776408

Ion Ratio Lower Upper

105 100

120 51.0 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 14.599 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

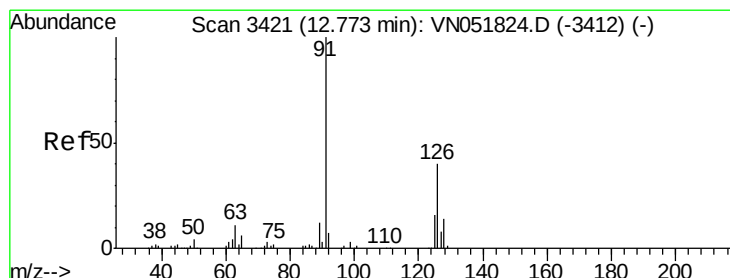
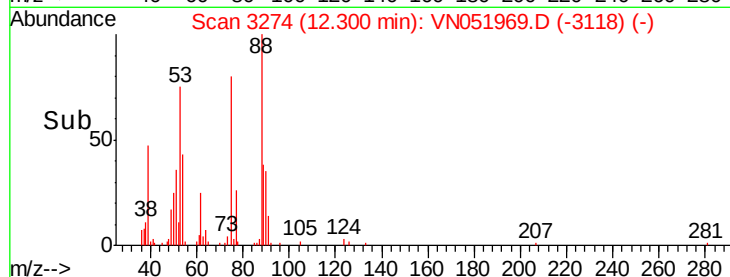
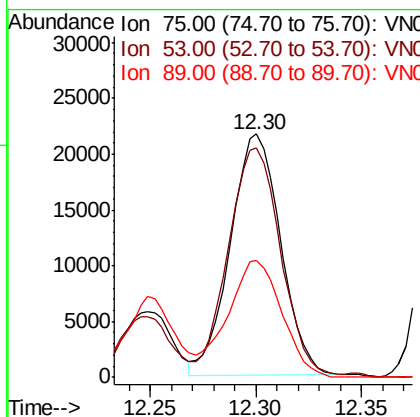
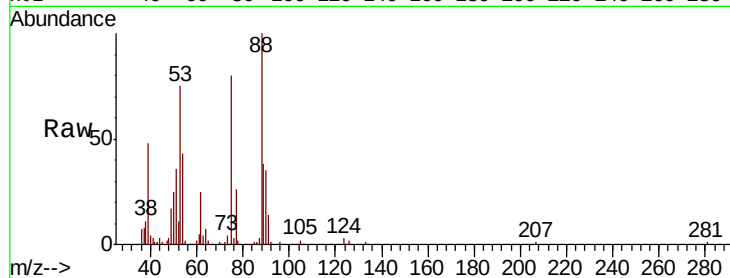
ClientSampleId :

VN1023WBS01

Tot Ion:	75	Resp:	35882
Ion	Ratio	Lower	Upper
75	100		
53	94.4	46.3	138.9
89	48.7	24.6	73.8

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#78

4-Chlorotoluene

Concen: 20.784 ug/l

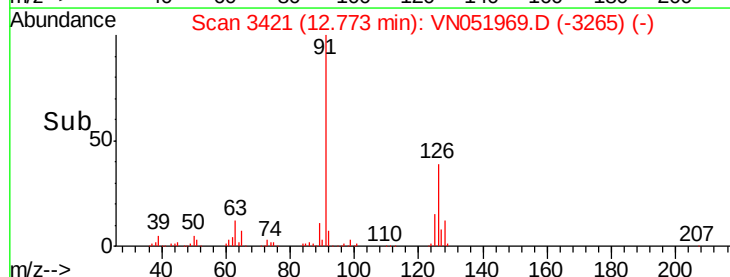
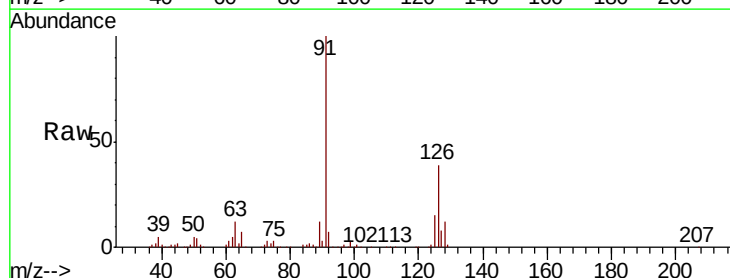
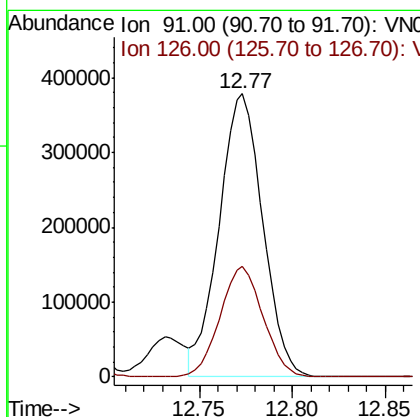
RT: 12.77 min Scan# 3421

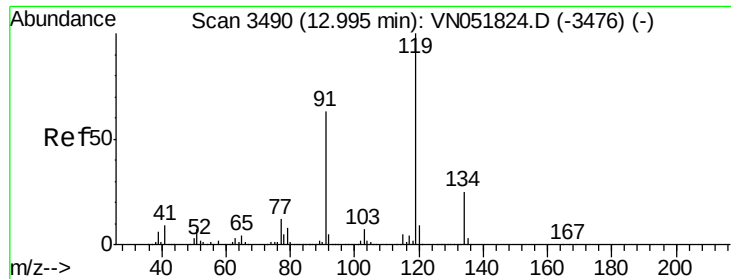
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	91	Resp:	615982
Ion	Ratio	Lower	Upper
91	100		
126	38.6	0.0	65.2





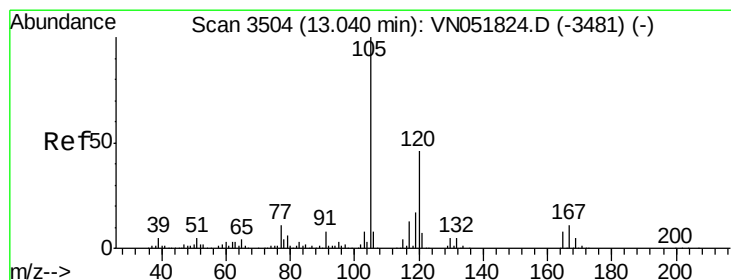
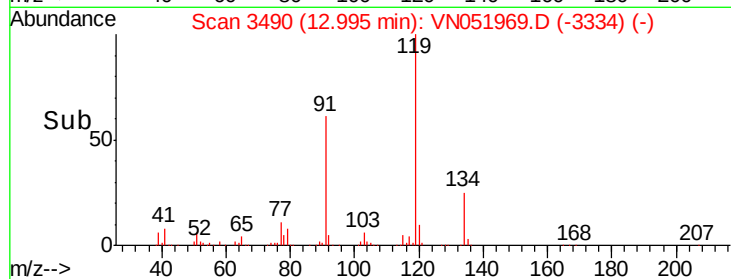
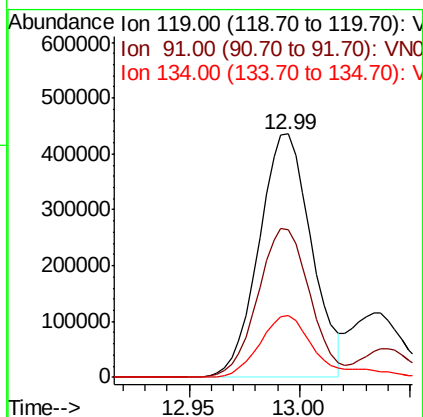
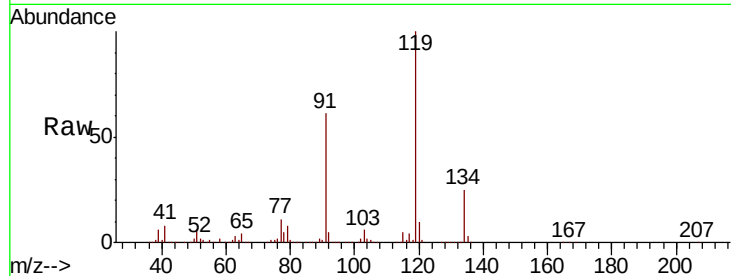
#79
tert-butylbenzene
Concen: 19.749 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :
VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	718403		
91	60.8		0.0	131.6
134	25.4		0.0	46.2

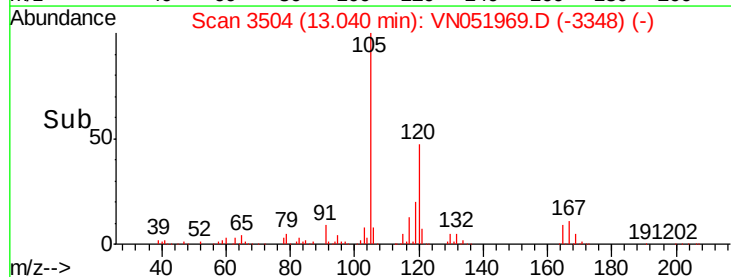
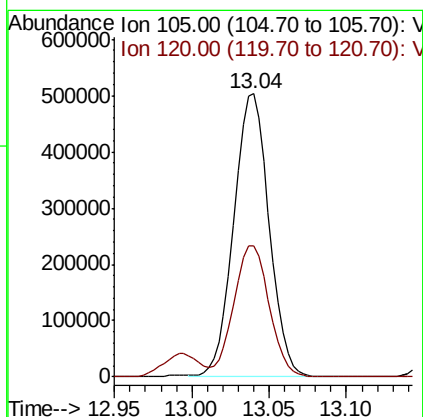
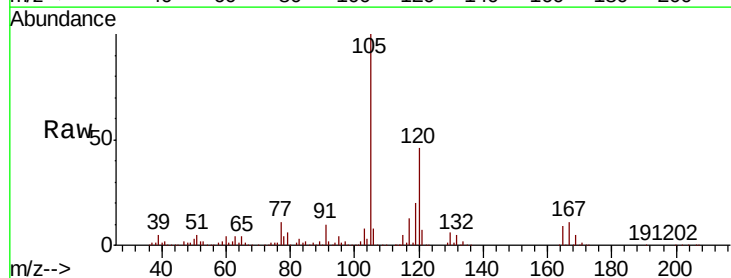
Manual Integrations
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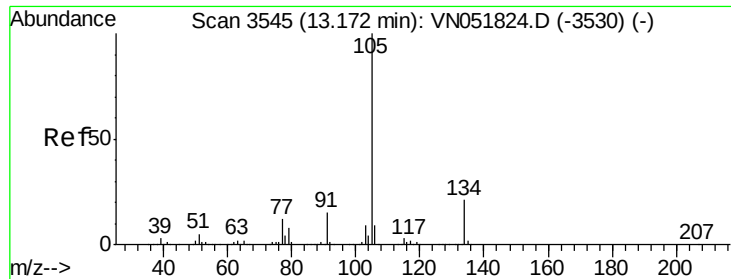
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.155 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	796801		
120	46.7		0.0	89.6





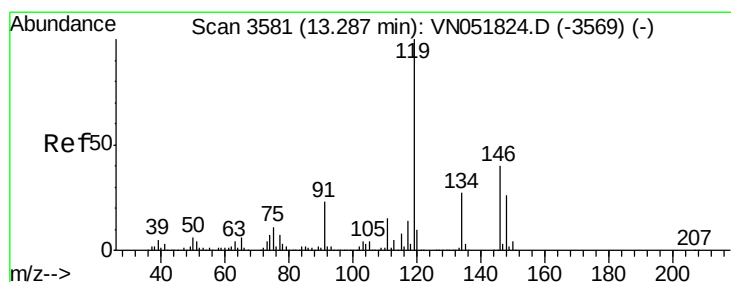
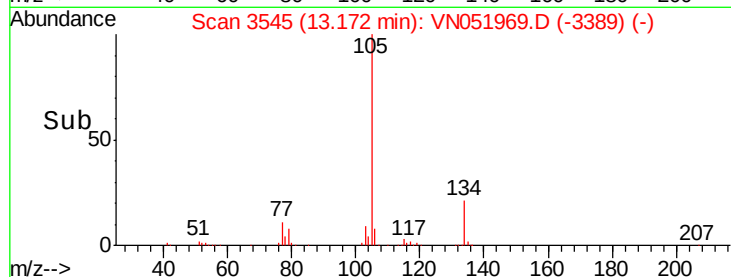
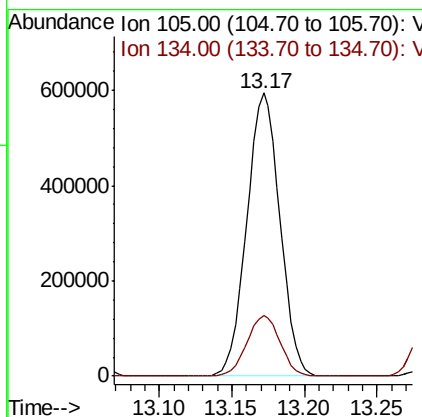
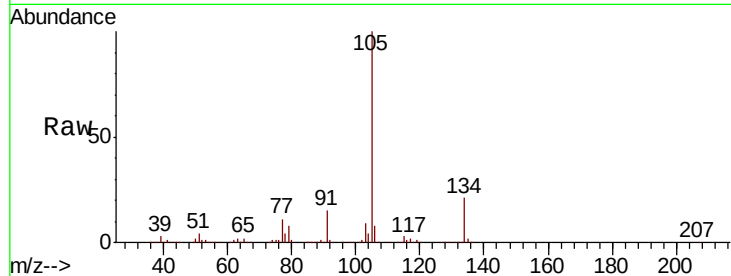
#81
 sec-Butylbenzene
 Concen: 19.830 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	943681		
134	21.4	0.0	39.4	

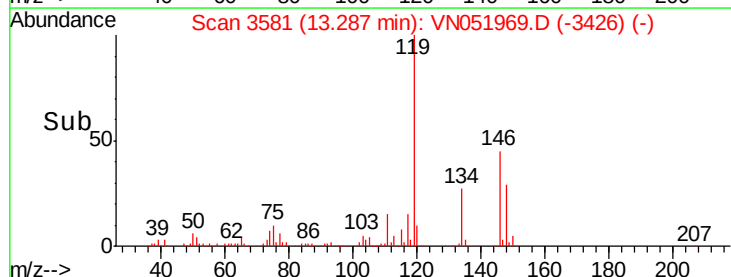
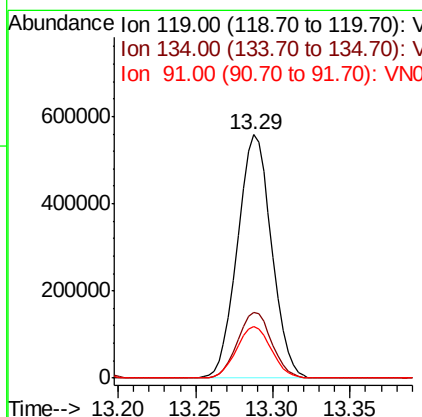
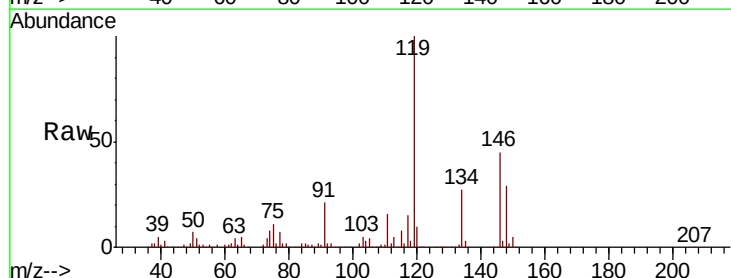
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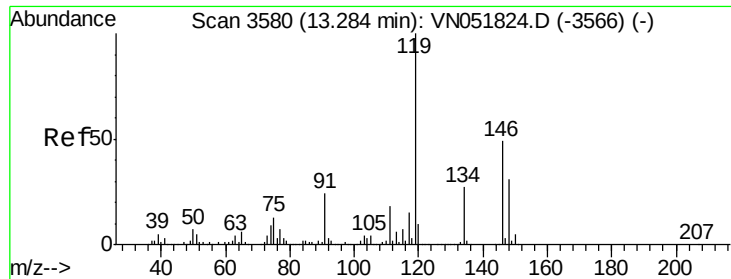
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#82
 p-Isopropyltoluene
 Concen: 20.042 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	853465		
134	27.1	0.0	53.6	
91	21.7	0.0	52.0	





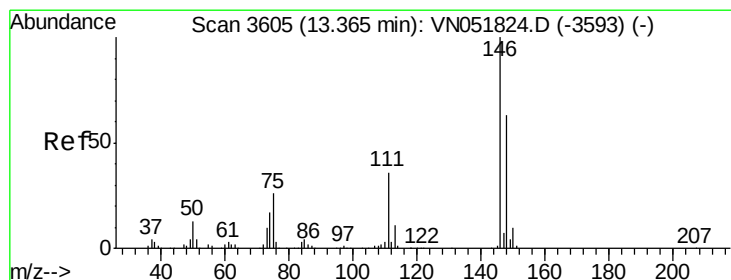
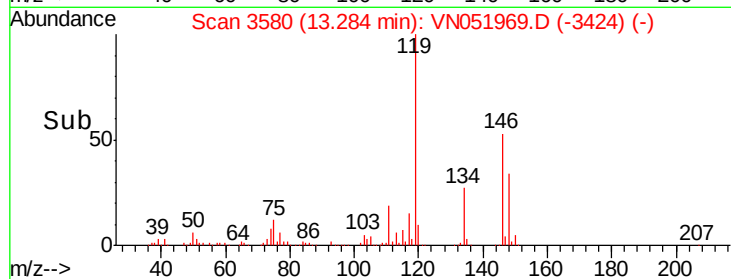
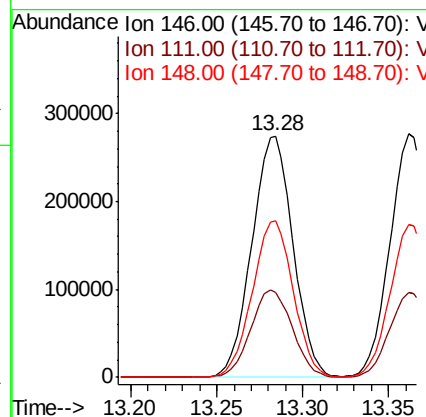
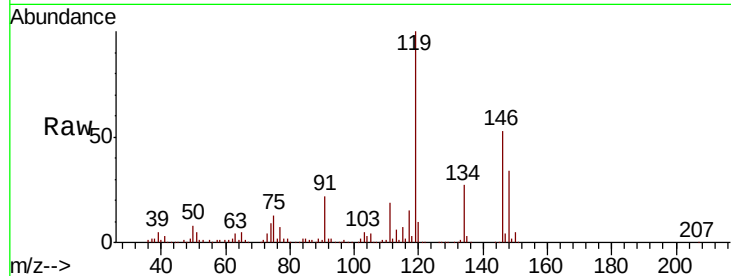
#83
 1,3-Dichlorobenzene
 Concen: 21.768 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.3
148	64.4	31.3	93.8

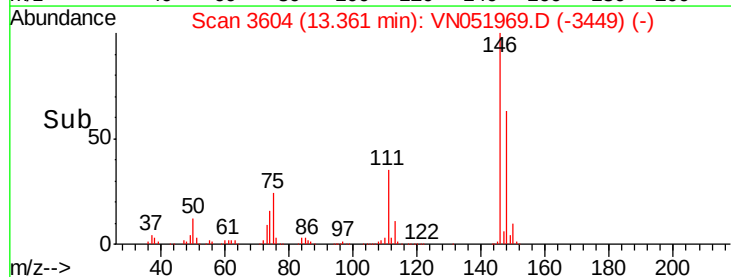
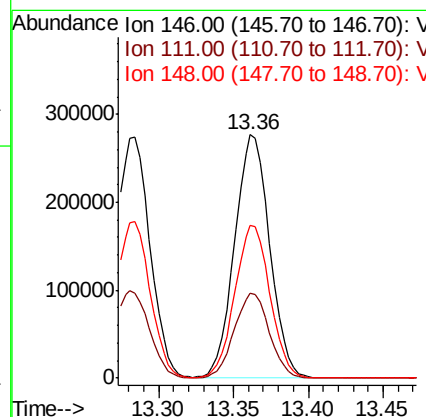
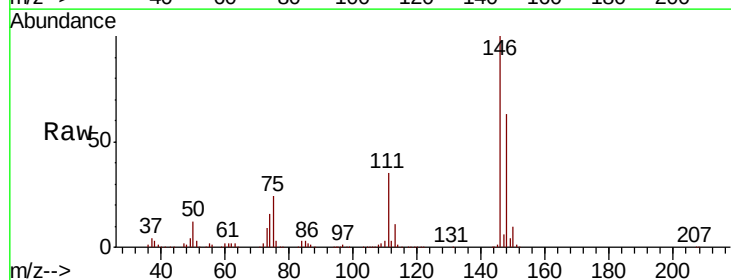
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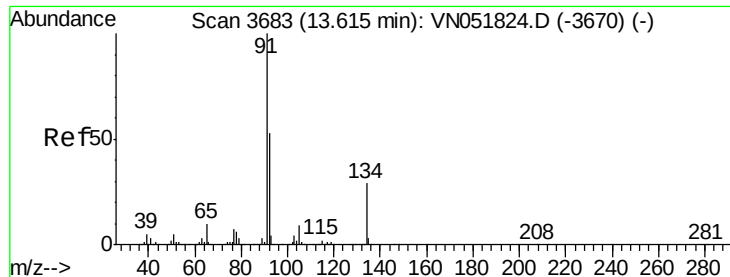
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#84
 1,4-Dichlorobenzene
 Concen: 22.976 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.4	52.2
148	63.0	32.8	98.3





#85

n-Butylbenzene

Concen: 20.420 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

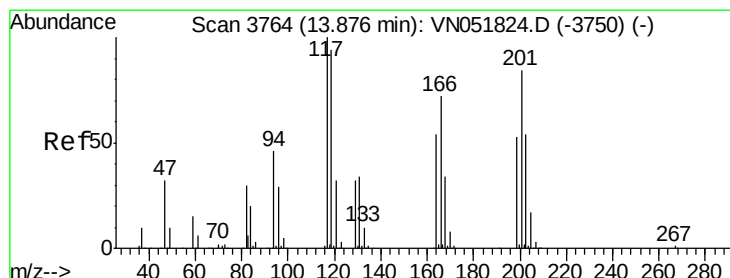
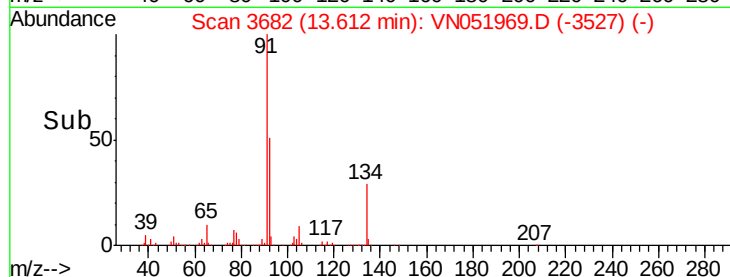
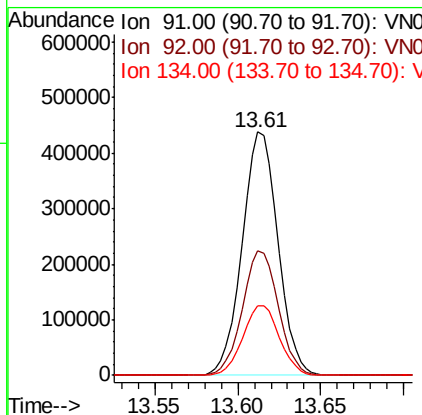
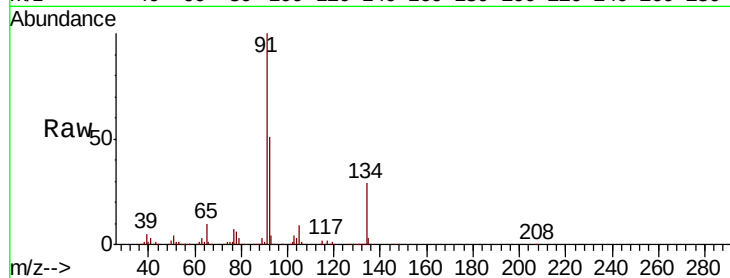
ClientSampleId :

VN1023WBS01

Tot Ion:	91	Resp:	655716
Ion Ratio	Lower	Upper	
91	100		
92	51.4	0.0	97.4
134	29.3	0.0	49.6

Manual Integrations
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#86

Hexachloroethane

Concen: 16.617 ug/l

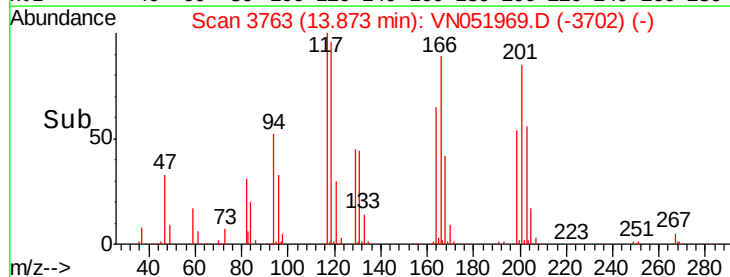
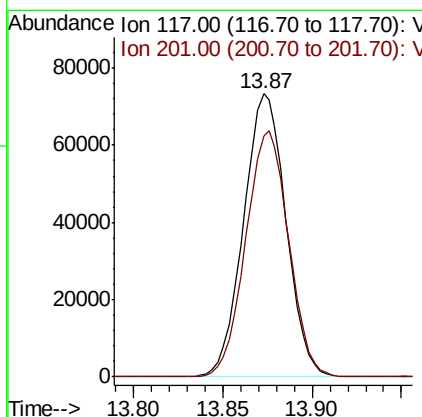
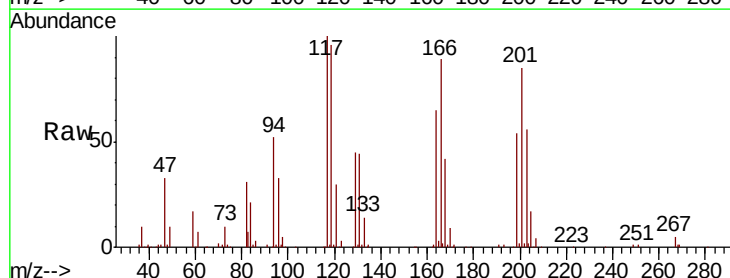
RT: 13.87 min Scan# 3763

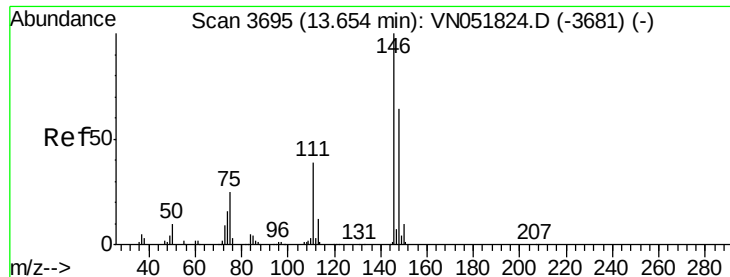
Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	117	Resp:	122007
Ion Ratio	Lower	Upper	
117	100		
201	88.0	47.8	143.3





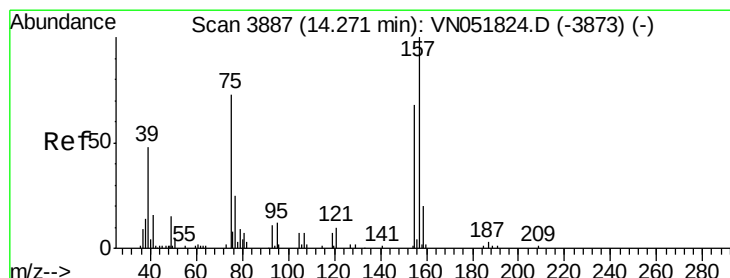
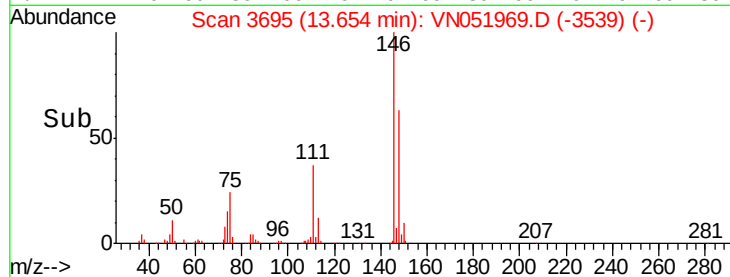
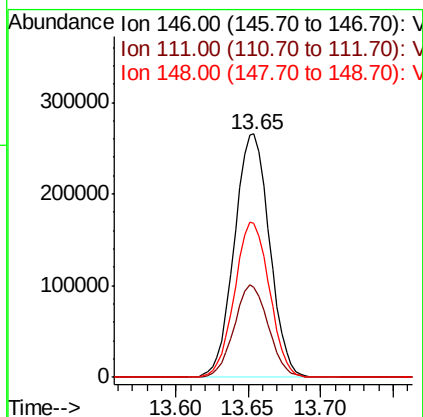
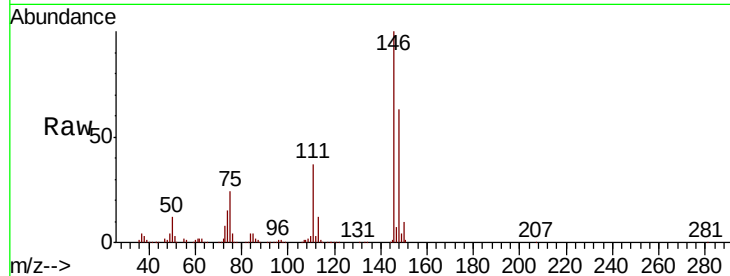
#87
 1,2-Dichlorobenzene
 Concen: 22.129 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.8	62.2
148	63.3	33.2	99.6

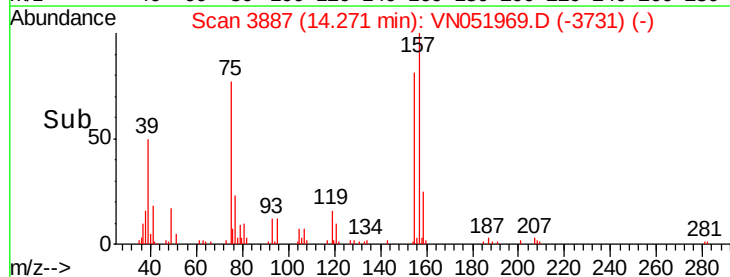
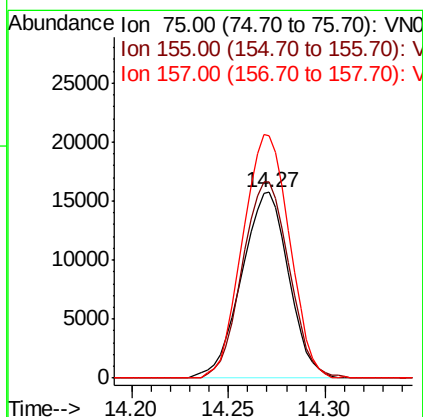
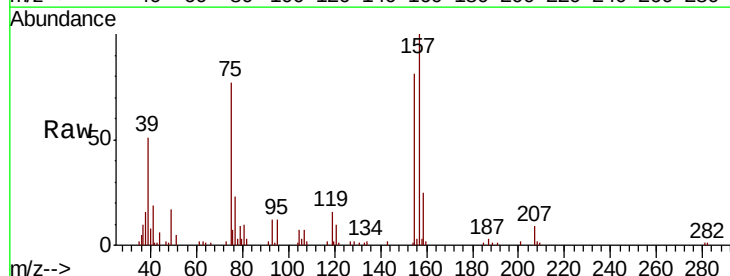
Manual Integrations
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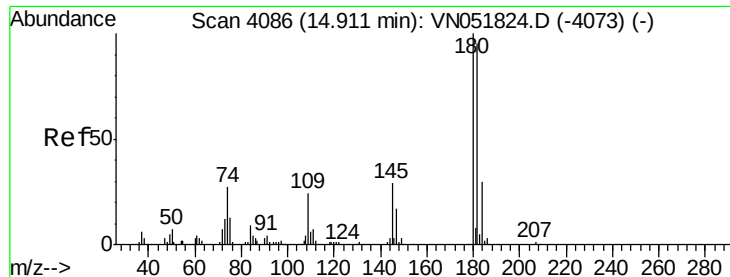
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.969 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.0	57.0	85.6#
157	129.9	87.4	131.0





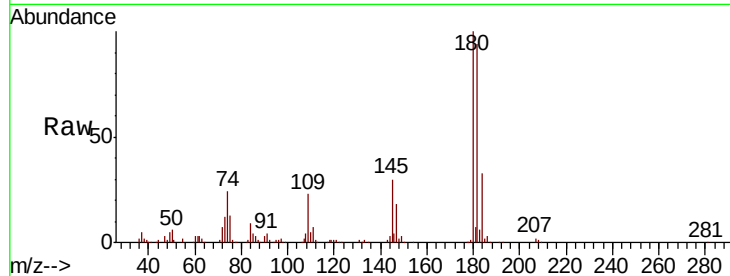
#89
 1,2,4-Trichlorobenzene
 Concen: 25.805 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241501		
182	94.4	77.7	116.5	
145	29.9	23.4	35.2	

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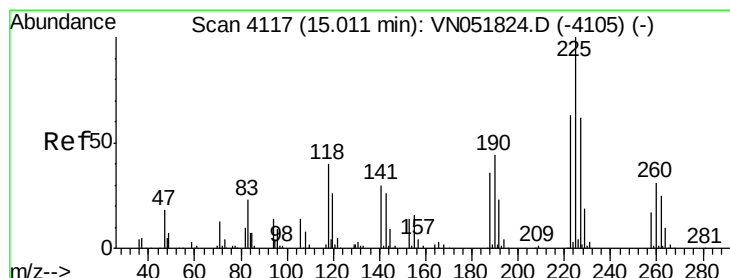
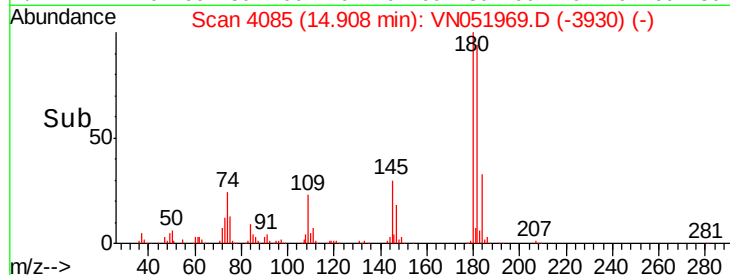
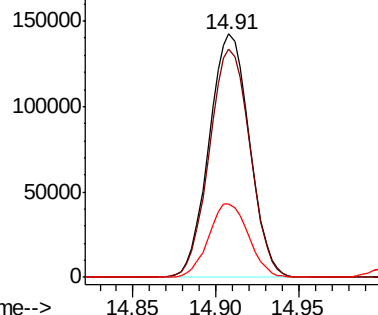


Abundance

Ion 180.00 (179.70 to 180.70): V

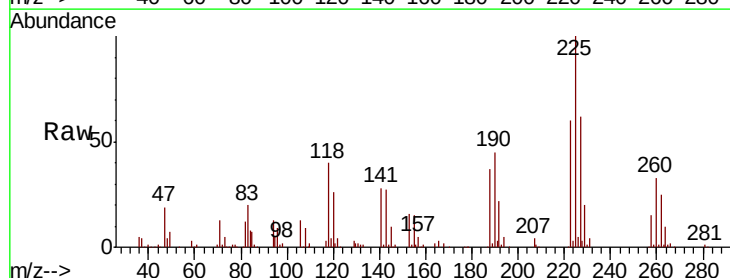
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.611 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134445		
223	62.0	0.0	117.0	
227	63.0	0.0	127.0	

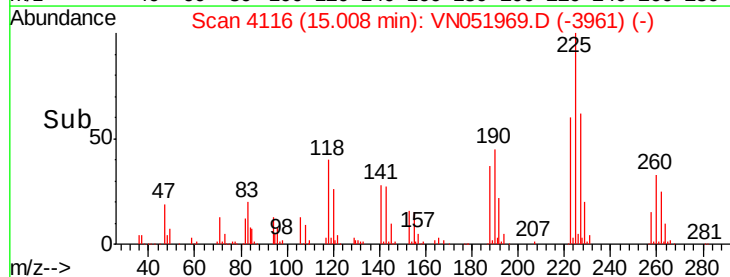
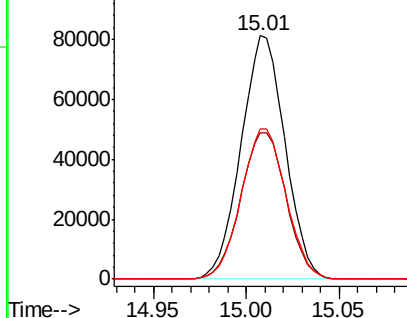


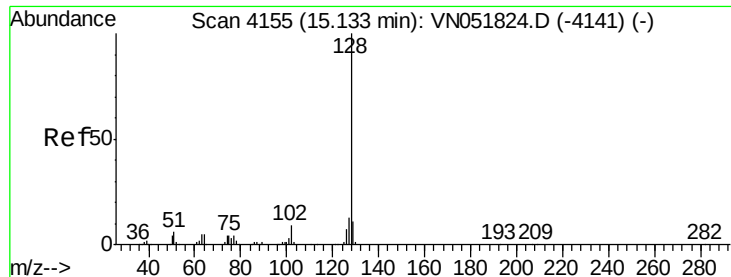
Abundance

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: 27.313 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

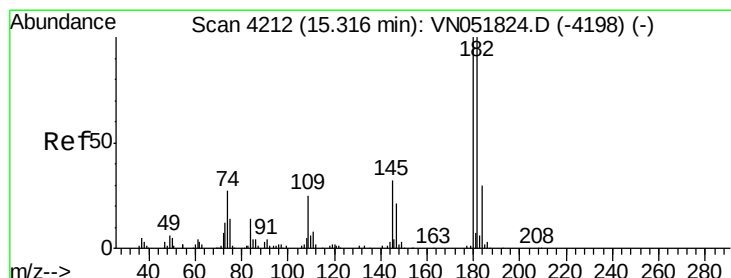
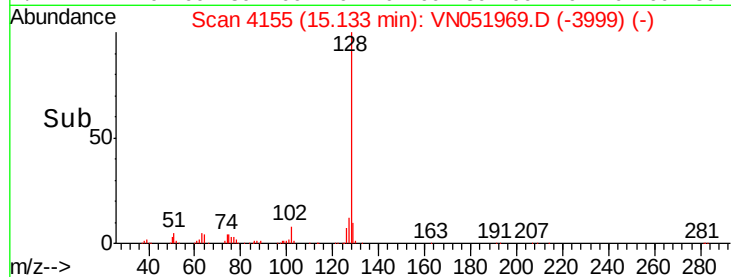
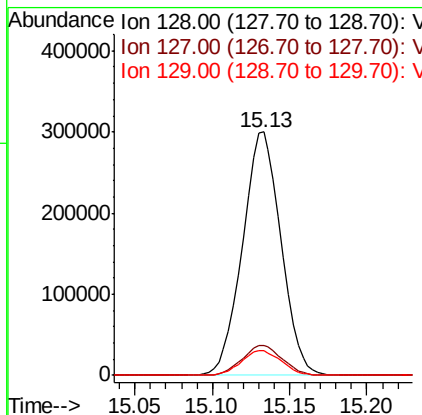
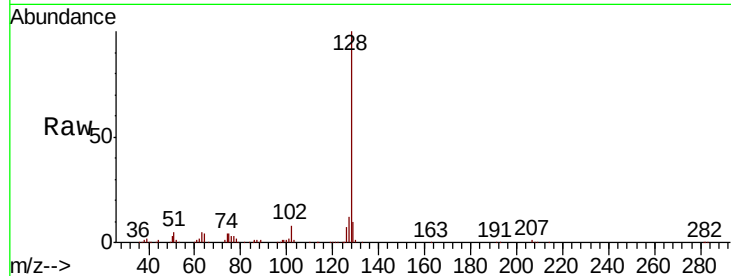
ClientSampleId :

VN1023WBS01

Tot Ion:	128	Resp:	519913
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.6	8.4	12.6

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#92

1,2,3-Trichlorobenzene

Concen: 24.857 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:	180	Resp:	228906
Ion Ratio		Lower	Upper
180	100		
182	96.1	0.0	198.0
145	30.8	0.0	36.8

