

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051967.D
 Acq On : 23 Oct 2018 16:40
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:43 AM

Quant Time: Oct 24 07:33:57 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	164395	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	928115	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	853927	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	295205	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	367520	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	10.09	98	1094648	29.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	139946	21.912	ug/l 100
3) Chloromethane	2.06	50	123727	18.330	ug/l 99
4) Vinyl Chloride	2.19	62	157990	15.673	ug/l 99
5) Bromomethane	2.58	94	161786	18.165	ug/l 86
6) Chloroethane	2.71	64	117720	16.205	ug/l 99
7) Trichlorofluoromethane	3.03	101	292099	20.325	ug/l 94
8) Diethyl Ether	3.42	74	85050	20.329	ug/l 71
9) 1,1,2-Trichlorotrifluoroet	3.77	101	171241m	20.923	ug/l
10) 1,1-Dichloroethene	3.74	96	158713	20.969	ug/l 82
11) Methyl Iodide	3.96	142	255042	23.180	ug/l 95
12) Methyl Acetate	4.33	43	91179	19.400	ug/l 92
13) Acrolein	3.61	56	11922m	38.499	ug/l
14) Acrylonitrile	4.99	53	203810	97.023	ug/l # 62
15) Acetone	3.82	58	50390	97.039	ug/l 97
16) Carbon Disulfide	4.06	76	364722	18.348	ug/l 97
17) Allyl chloride	4.33	41	151999	16.915	ug/l 72
18) Methylene Chloride	4.55	84	181104	21.400	ug/l # 84
19) trans-1,2-Dichloroethene	5.05	96	175672	20.326	ug/l 84
20) Diisopropyl ether	5.95	45	380820	19.028	ug/l # 85
21) 1,1-Dichloroethane	5.86	63	277425	19.839	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	208722	20.561	ug/l # 79
23) tert-Butyl Alcohol	4.78	59	44796	80.970	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	416018	19.078	ug/l # 67
25) Chloroform	7.37	83	339354	20.455	ug/l 96
26) Cyclohexane	7.66	56	219980	18.555	ug/l # 69
29) 1,1-Dichloropropene	7.79	75	240262	20.083	ug/l 93
30) 2-Butanone	6.84	43	223408	89.345	ug/l # 85
31) 2,2-Dichloropropane	6.83	77	262733	18.668	ug/l # 79
32) 1,1,1-Trichloroethane	7.57	97	313695	19.778	ug/l 94
33) Carbon Tetrachloride	7.78	117	272951	19.021	ug/l 93
34) Benzene	8.04	78	715210	20.211	ug/l # 66
35) Methacrylonitrile	7.17	41	47311	14.401	ug/l # 73
36) 1,2-Dichloroethane	8.13	62	226430	19.969	ug/l 96
37) Trichloroethene	8.84	130	228428	20.794	ug/l 93
38) Methylcyclohexane	9.08	83	283112	18.450	ug/l 78
39) 1,2-Dichloropropane	9.12	63	162193	19.462	ug/l 93
40) Dibromomethane	9.21	93	125892	20.353	ug/l 94

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 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	247792	19.395	ug/l	93
42) Vinyl Acetate	5.90	43	1275112	90.586	ug/l #	88
43) Ethyl Acetate	6.93	43	89366	16.459	ug/l	96
44) Isopropyl Acetate	8.17	43	189065	17.434	ug/l	96
45) 1,4-Dioxane	9.20	88	34534	396.580	ug/l #	74
46) Methyl methacrylate	9.20	41	91995	18.391	ug/l	69
47) n-amyl Acetate	12.07	43	173321	19.091	ug/l #	73
48) t-1,3-Dichloropropene	10.38	75	224146	17.991	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	262148	19.087	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	176770	20.684	ug/l	94
51) Ethyl methacrylate	10.43	69	184549	18.862	ug/l	83
52) 1,3-Dichloropropane	10.71	76	266137	20.178	ug/l	97
53) Dibromochloromethane	10.90	129	195308	18.474	ug/l	95
54) 1,2-Dibromoethane	11.00	107	177346	19.770	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	484852	115.921	ug/l #	91
56) Bromoform	12.13	173	114418	16.410	ug/l #	93
58) 4-Methyl-2-Pentanone	9.98	43	521281	91.222	ug/l #	87
59) 2-Hexanone	10.75	43	353317	91.647	ug/l #	88
61) Tetrachloroethene	10.63	164	214717	19.662	ug/l	97
62) Toluene	10.16	91	853426	20.118	ug/l	98
64) Chlorobenzene	11.43	112	574443	20.676	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	205308	19.253	ug/l	98
66) Ethyl Benzene	11.51	91	929362	19.822	ug/l	100
67) m/p-Xylenes	11.62	106	752396	39.583	ug/l	95
68) o-Xylene	11.95	106	371843	19.844	ug/l	86
69) Styrene	11.96	104	585542	20.366	ug/l	95
70) Isopropylbenzene	12.25	105	988553	19.783	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	196953	19.958	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	152585m	19.655	ug/l	
73) Bromobenzene	12.53	156	262802	21.233	ug/l	79
74) n-propylbenzene	12.59	91	1056359	19.653	ug/l	93
75) 2-Chlorotoluene	12.67	91	621864	19.734	ug/l	92
76) 1,3,5-Trimethylbenzene	12.73	105	803034	19.434	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	39278	15.298	ug/l	96
78) 4-Chlorotoluene	12.77	91	639434	20.653	ug/l	90
79) tert-butylbenzene	12.99	119	741895	19.523	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	825626	19.992	ug/l	97
81) sec-Butylbenzene	13.17	105	976491	19.643	ug/l	95
82) p-Isopropyltoluene	13.29	119	884083	19.874	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	477400	21.859	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	471255	22.920	ug/l	99
85) n-Butylbenzene	13.62	91	683646	20.380	ug/l	94
86) Hexachloroethane	13.87	117	124841	16.276	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	457228	21.624	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28105	19.071	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.91	180	259080	26.293	ug/l	99
90) Hexachlorobutadiene	15.01	225	138553	20.334	ug/l	96
91) Naphthalene	15.13	128	566003	28.105	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	246708	25.646	ug/l	92

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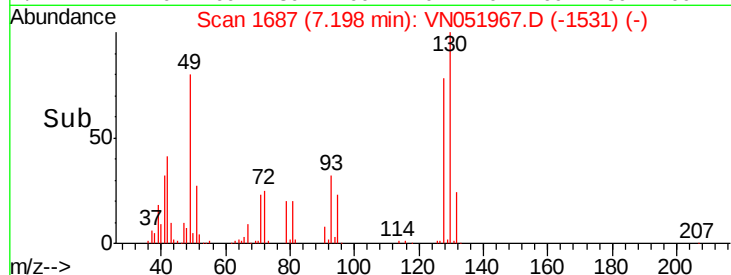
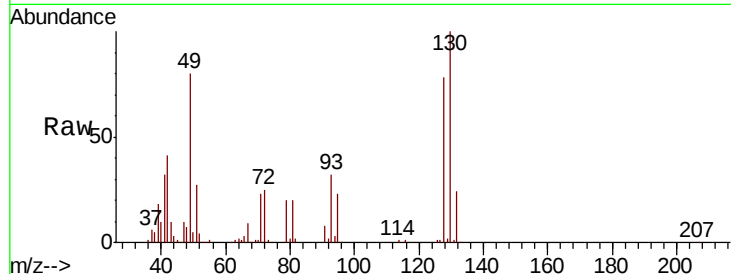
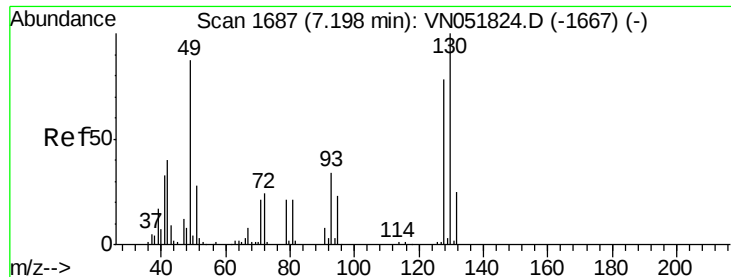
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051967.D

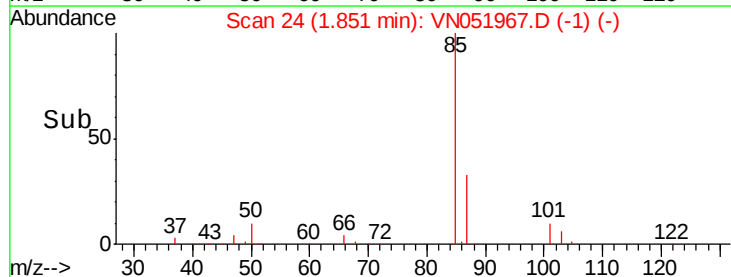
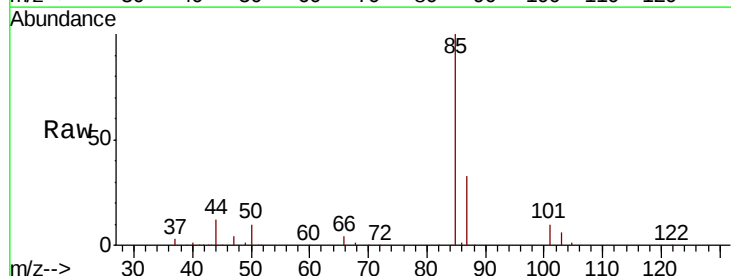
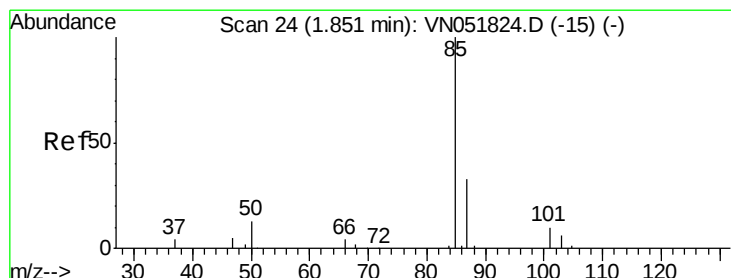
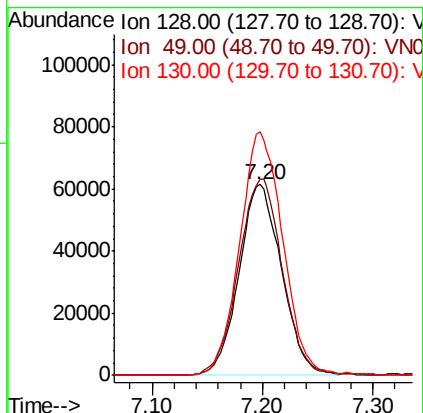
Acq: 23 Oct 2018 16:40

Tot Ion:	128	Resp:	164395
Ion	Ratio	Lower	Upper
128	100		
49	106.6	0.0	403.3
130	128.8	0.0	326.0

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#2

Dichlorodifluoromethane

Concen: 21.912 ug/l

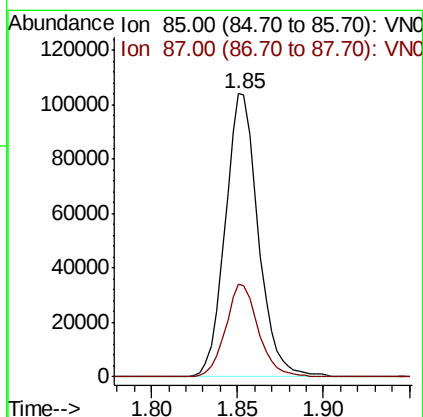
RT: 1.85 min Scan# 24

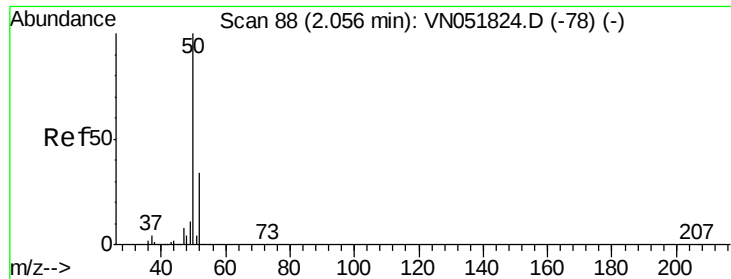
Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Tgt Ion:	85	Resp:	139946
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.3	48.8





#3

Chloromethane

Concen: 18.330 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 123727

Ion Ratio Lower Upper

50 100

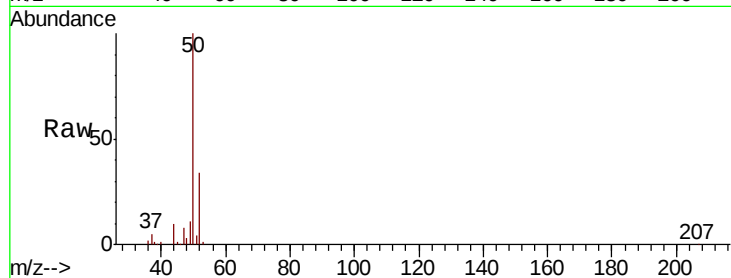
52 33.6 27.2 40.8

Manual Integrations

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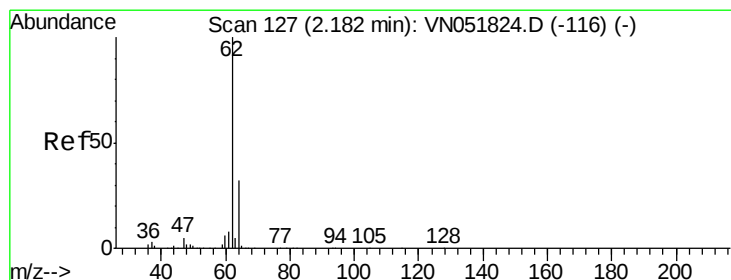
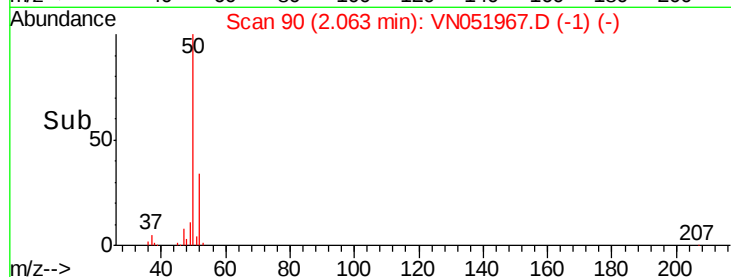
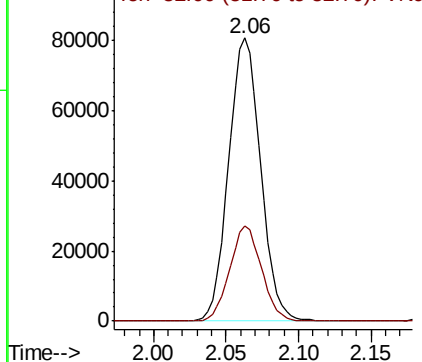
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 15.673 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051967.D

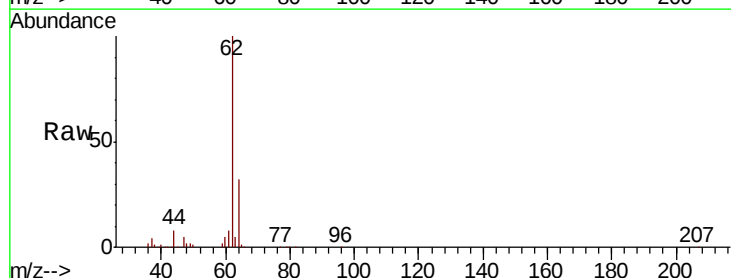
Acq: 23 Oct 2018 16:40

Tgt Ion: 62 Resp: 157990

Ion Ratio Lower Upper

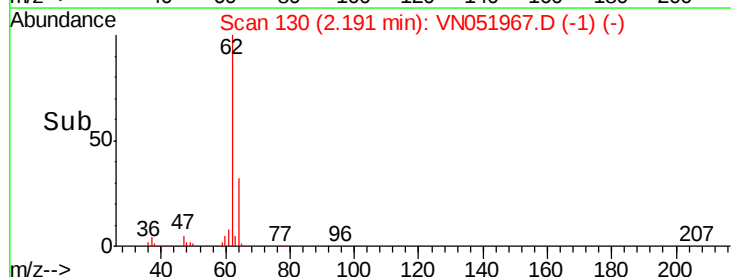
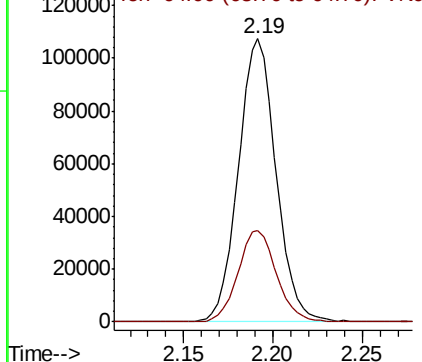
62 100

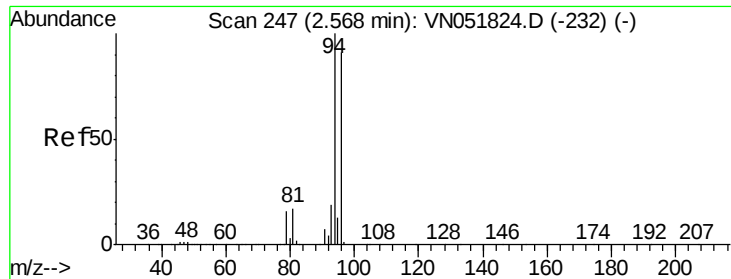
64 32.4 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 18.165 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

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ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 161786

Ion Ratio Lower Upper

94 100

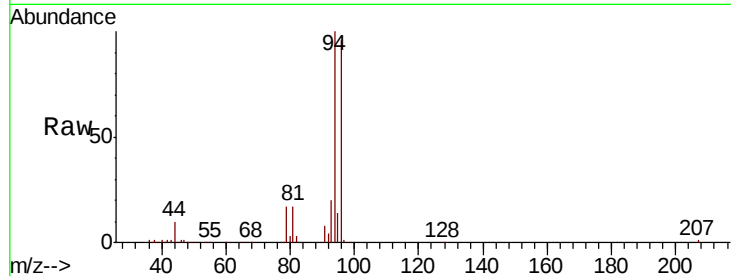
96 95.2 66.4 99.6

Manual Integrations

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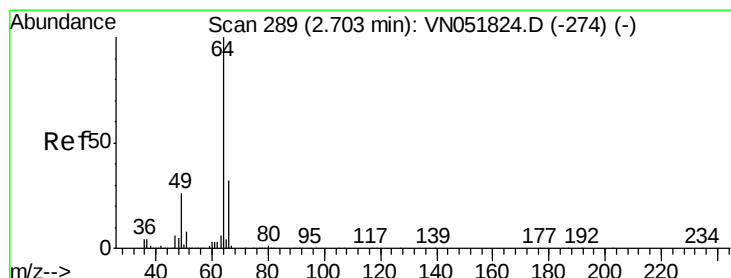
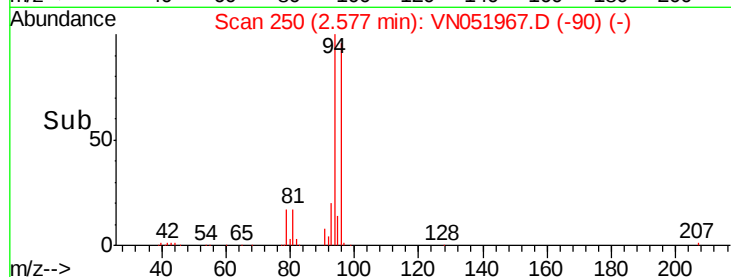
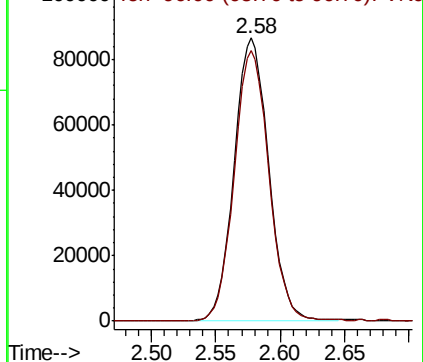
MMDadoda

10/24/2018 10:09:43 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.205 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051967.D

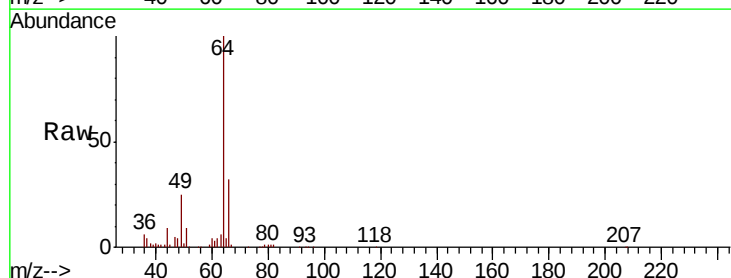
Acq: 23 Oct 2018 16:40

Tgt Ion: 64 Resp: 117720

Ion Ratio Lower Upper

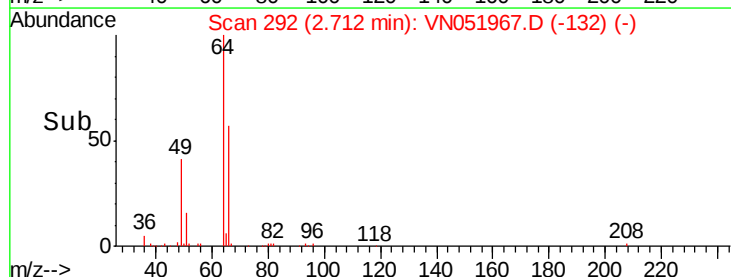
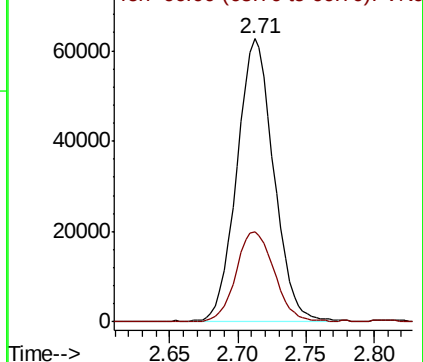
64 100

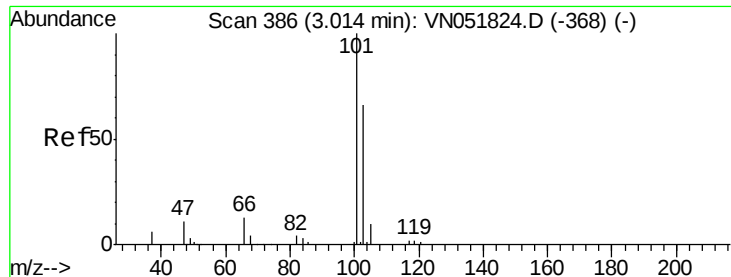
66 31.7 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

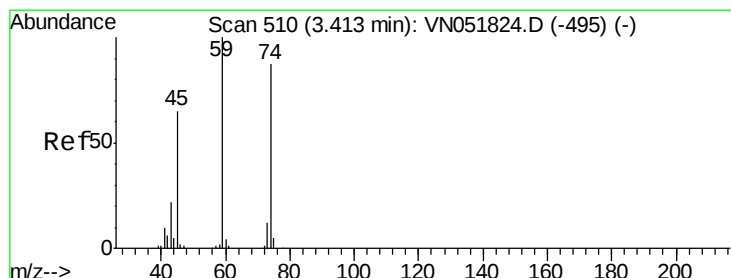
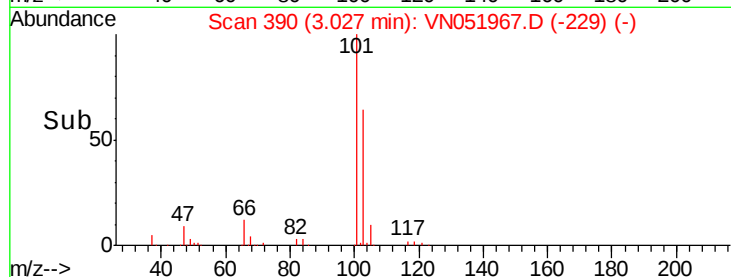
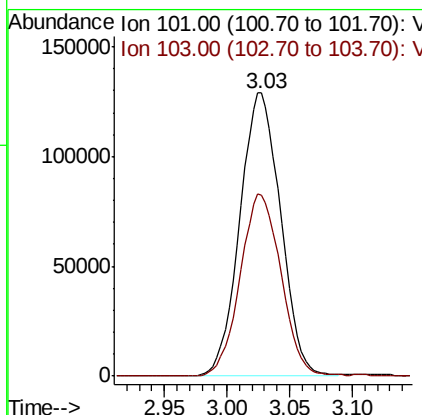
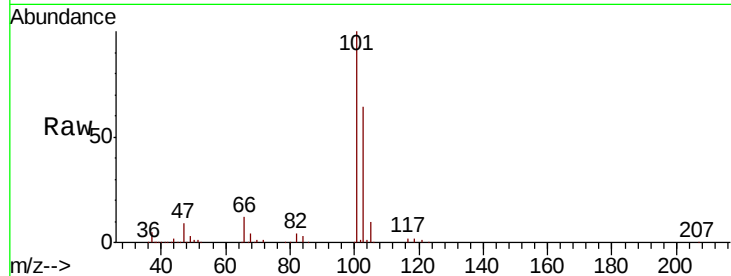
Trichlorofluoromethane
 Concen: 20.325 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.02 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	54.8	82.2

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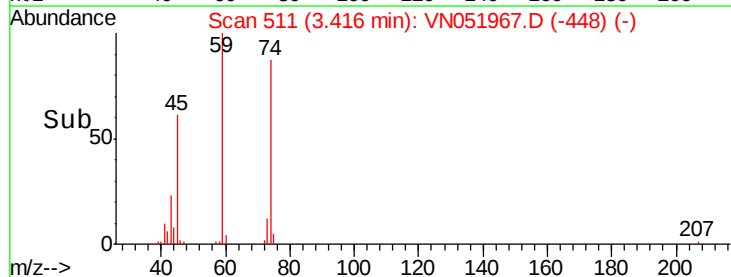
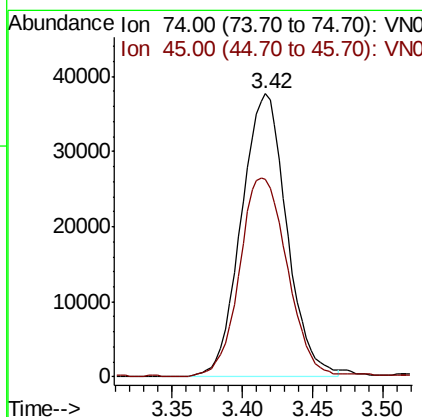
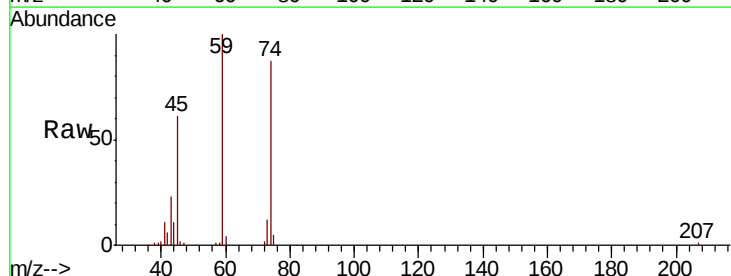
MMDadoda
 10/24/2018 10:09:43 AM

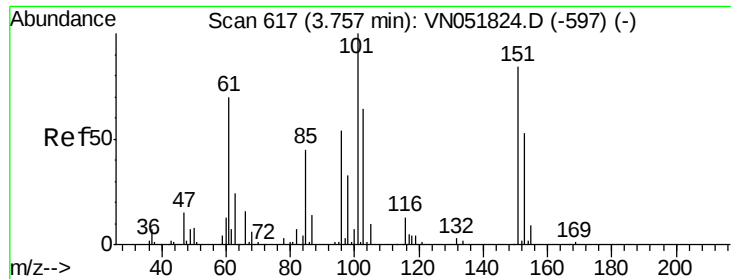


#8

Diethyl Ether
 Concen: 20.329 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.6	20.7	186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.923 ug/l m

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

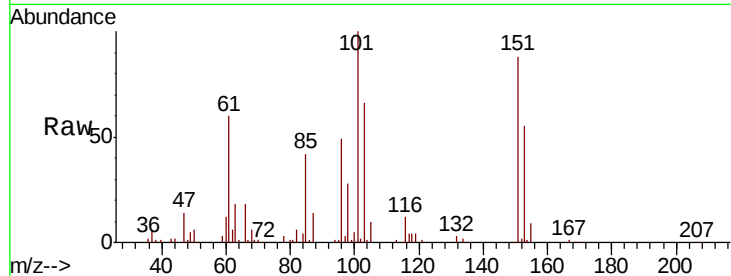
ClientSampleId :

VSTDCCC020

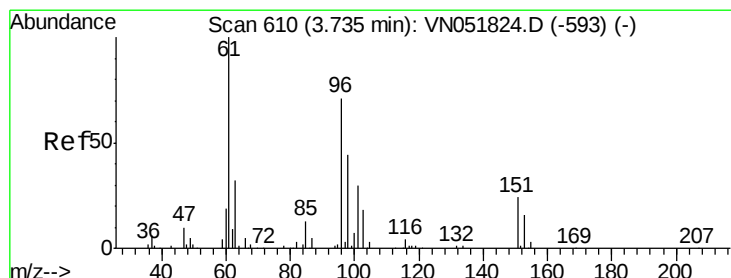
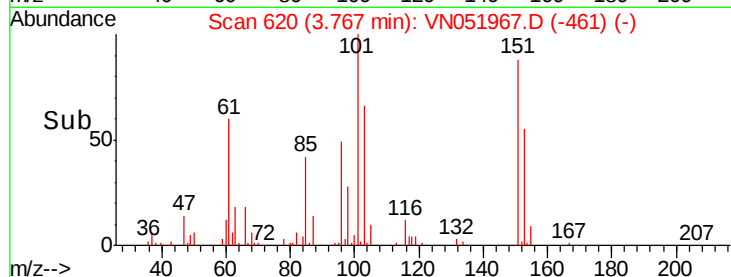
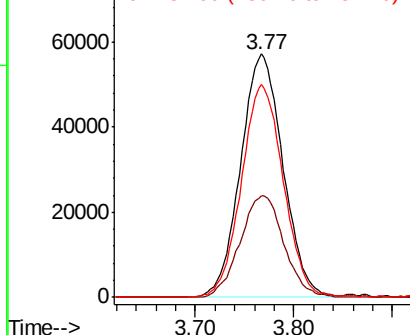
Tot Ion	Ratio	Resp	Lower	Upper
101	100	171241		
85	0.0	0.0	46.0	
151	0.1	0.0	82.2	

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



#10

1,1-Dichloroethene

Concen: 20.969 ug/l

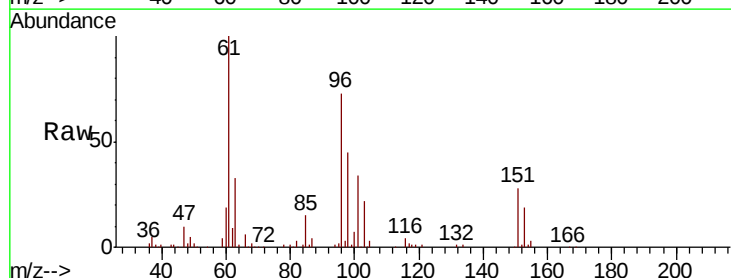
RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

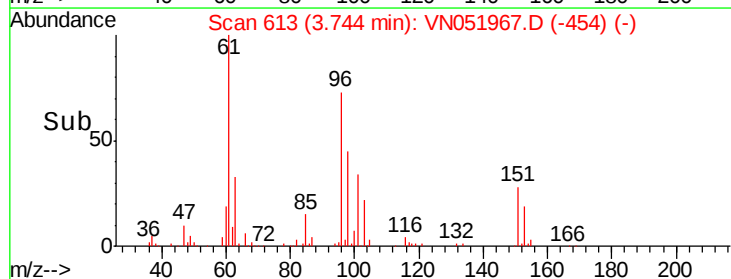
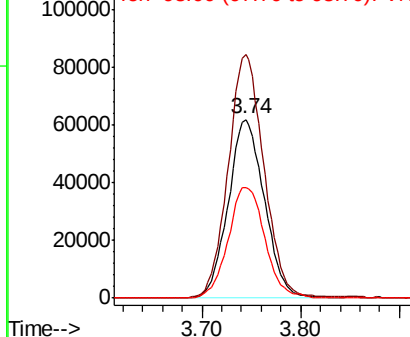
Lab File: VN051967.D

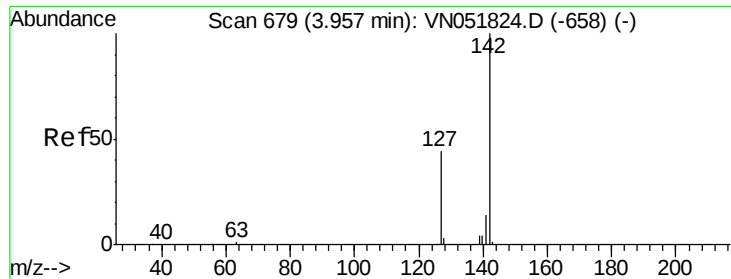
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	158713		
61	135.7	133.0	199.6	
98	61.9	52.6	78.8	



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





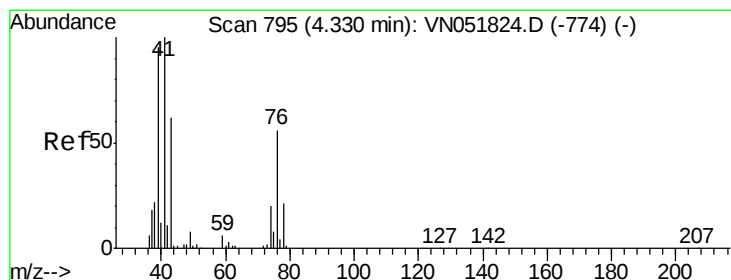
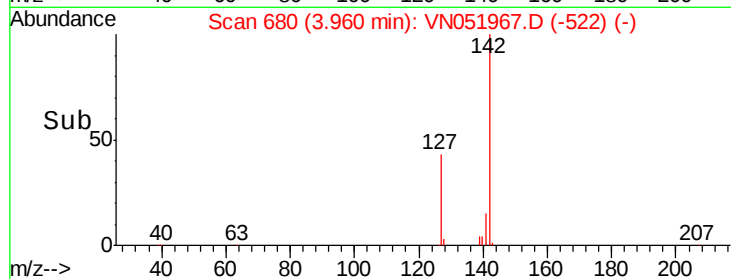
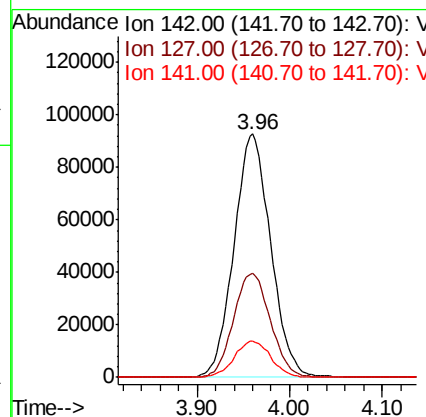
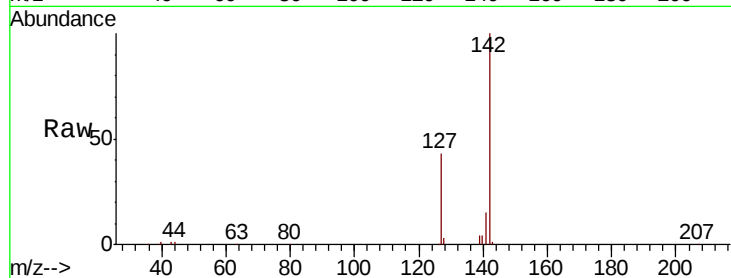
#11
Methvl Iodide
Concen: 23.180 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.6	19.7	59.0
141	14.8	6.3	18.9

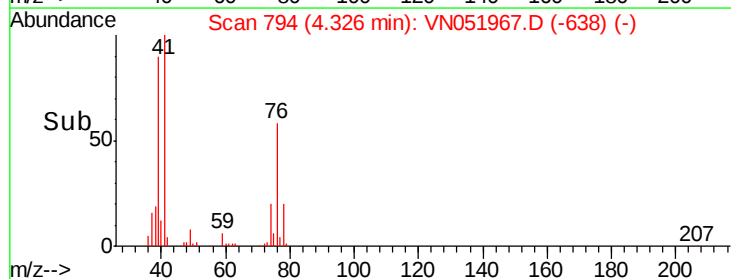
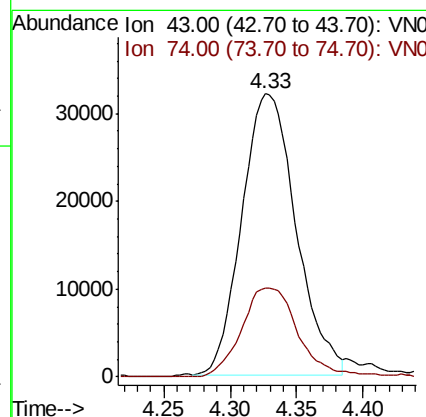
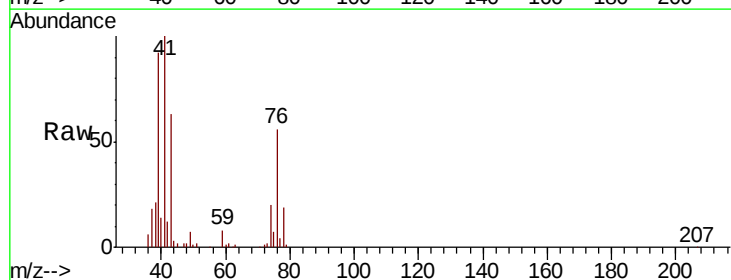
Manual Integrations
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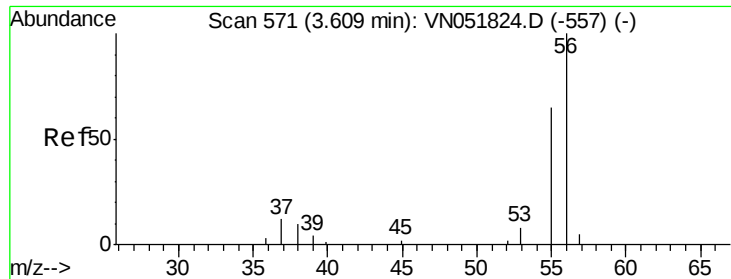
MMDadoda
10/24/2018 10:09:43 AM



#12
Methyl Acetate
Concen: 19.400 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.4	21.8	32.6





#13

Acrolein

Concen: 38.499 ug/l m

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 11922

Ion Ratio Lower Upper

56 100

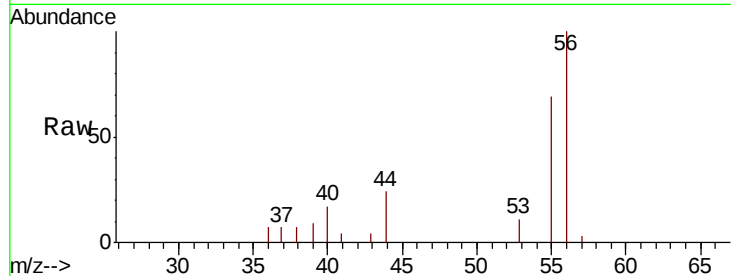
55 60.9 64.0 96.0#

Manual Integrations

APPROVED

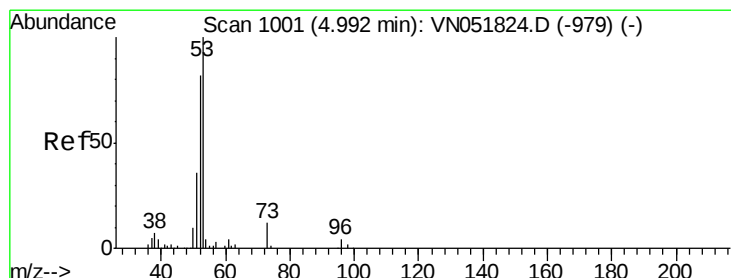
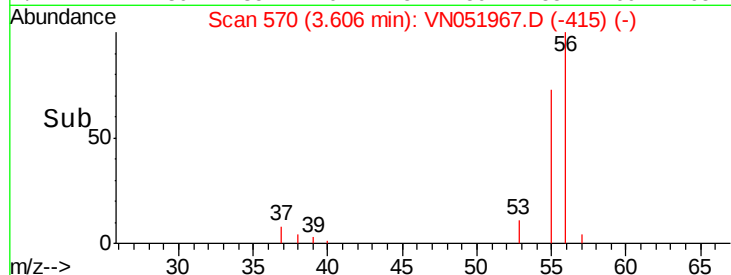
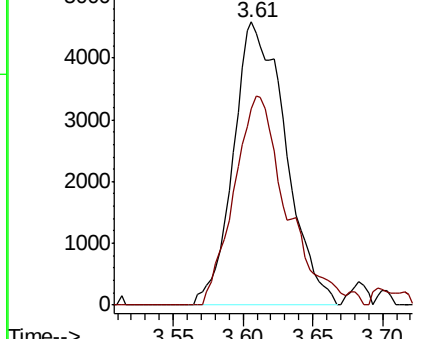
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN051824.D (-557) (-)

Ion 55.00 (54.70 to 55.70): VN051824.D (-557) (-)



#14

Acrylonitrile

Concen: 97.023 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

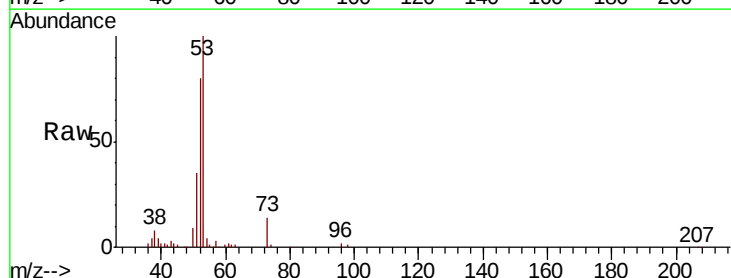
Tgt Ion: 53 Resp: 203810

Ion Ratio Lower Upper

53 100

52 80.4 18.3 54.8#

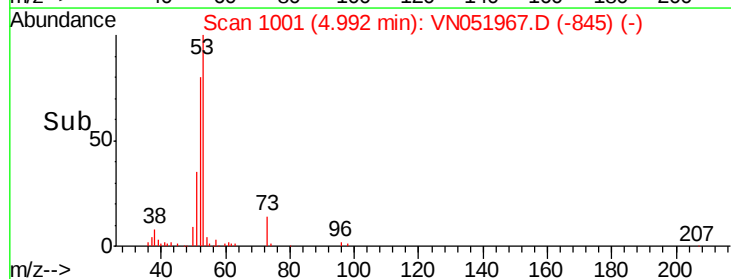
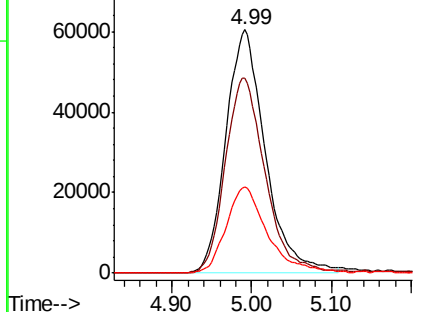
51 36.7 19.7 59.1

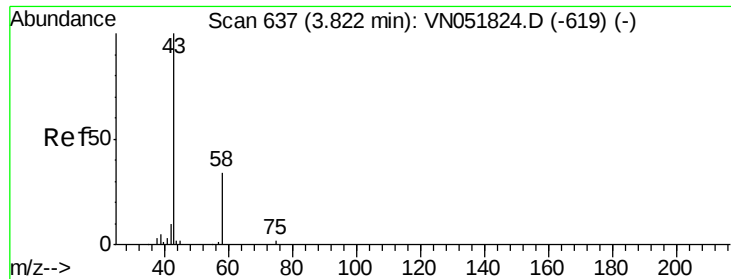


Abundance Ion 53.00 (52.70 to 53.70): VN051824.D (-979) (-)

Ion 52.00 (51.70 to 52.70): VN051824.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VN051824.D (-979) (-)





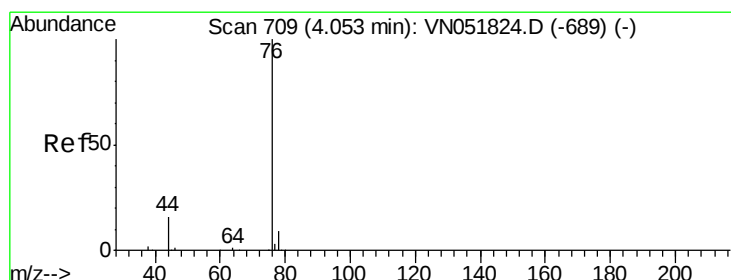
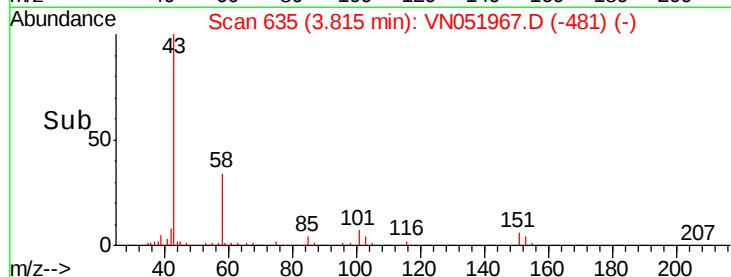
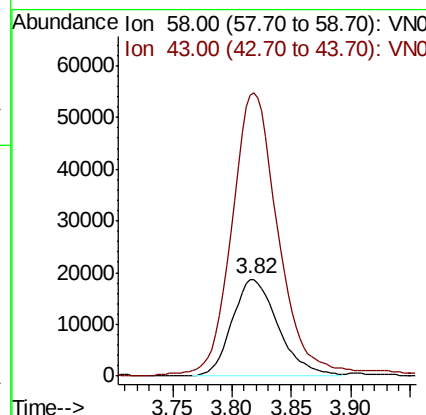
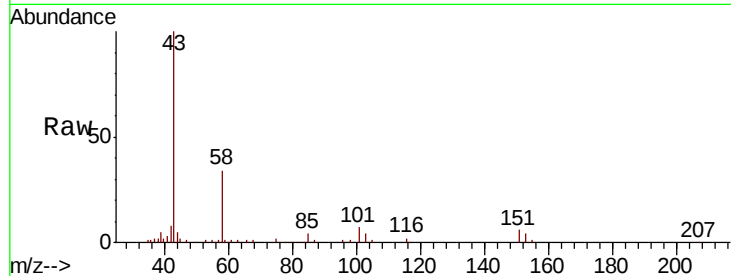
#15
Acetone
Concen: 97.039 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 58 Resp: 50390
Ion Ratio Lower Upper
58 100
43 284.7 232.2 348.2

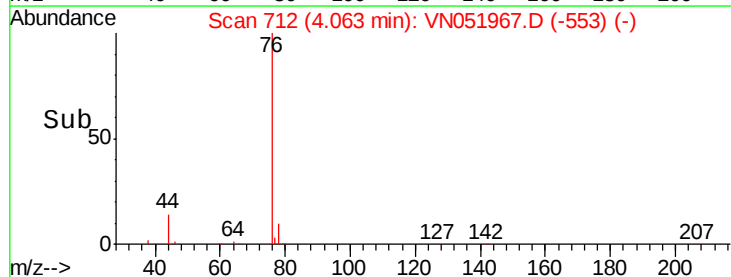
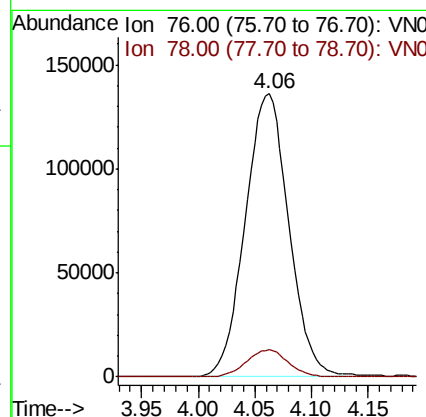
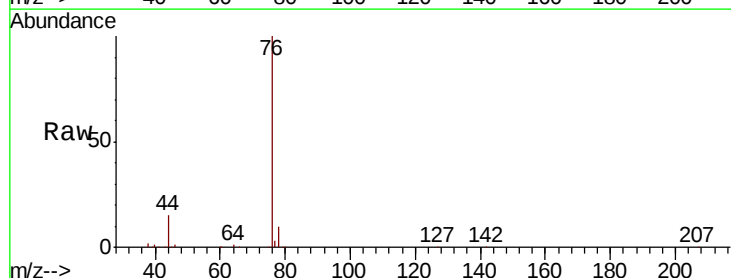
Manual Integrations
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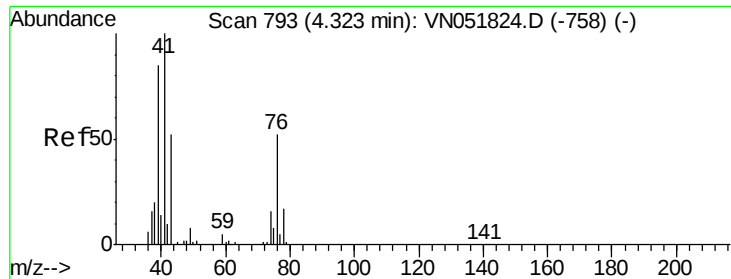
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#16
Carbon Disulfide
Concen: 18.348 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 76 Resp: 364722
Ion Ratio Lower Upper
76 100
78 9.6 6.7 10.1





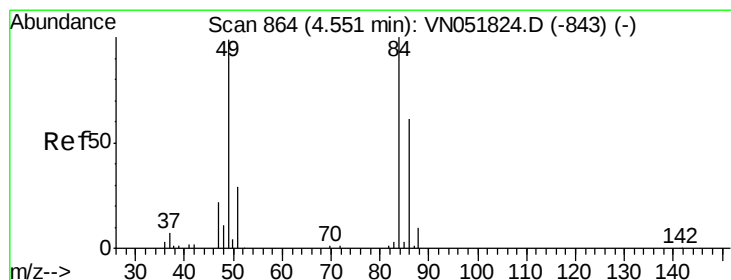
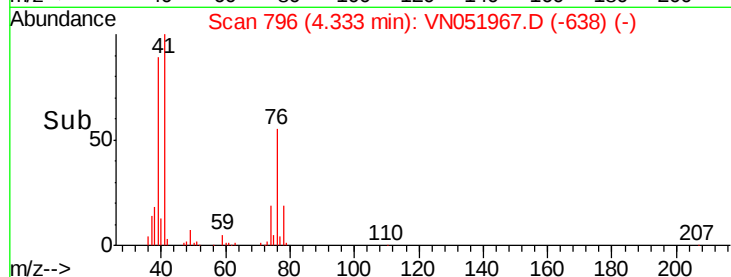
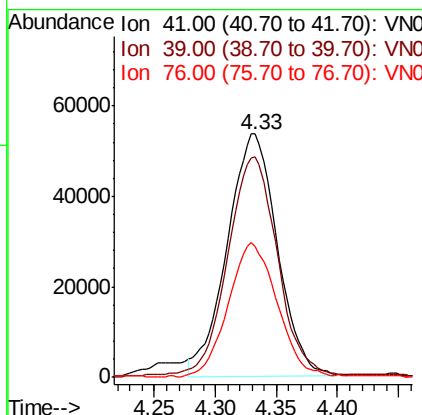
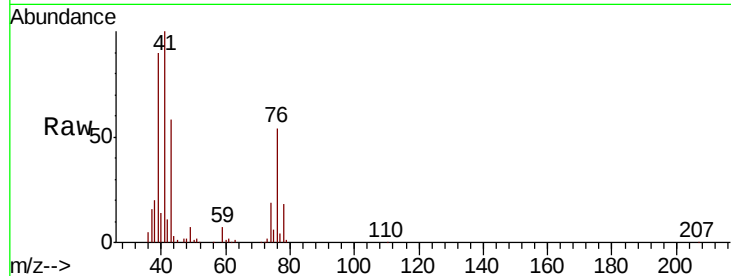
#17
Allvl chloride
Concen: 16.915 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	90.2	32.6	97.8
76	53.6	20.2	60.5

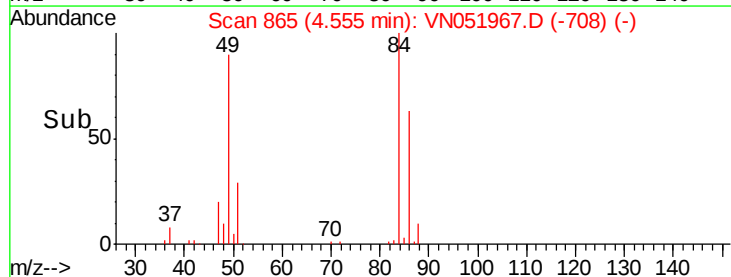
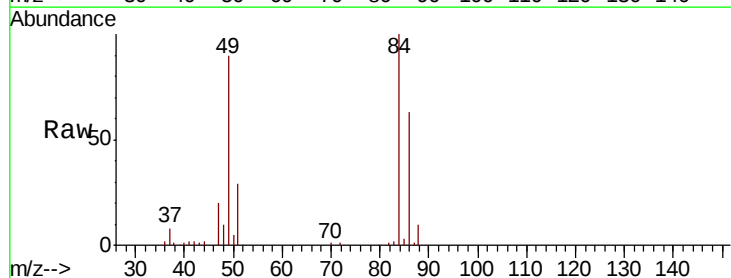
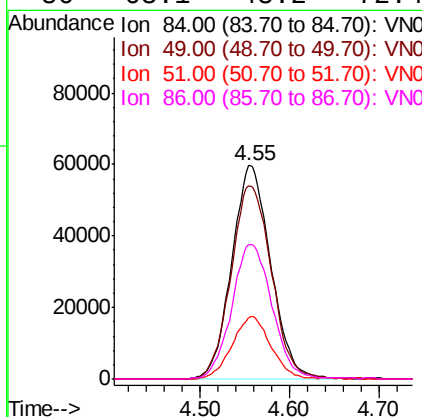
Manual Integrations
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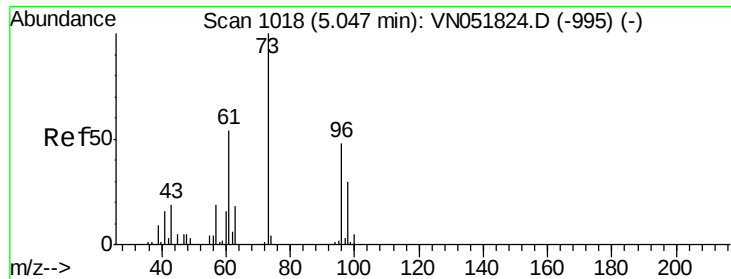
MMDadoda
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#18
Methylene Chloride
Concen: 21.400 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	90.3	91.6	137.4#
51	28.6	29.8	44.6#
86	63.1	48.2	72.4





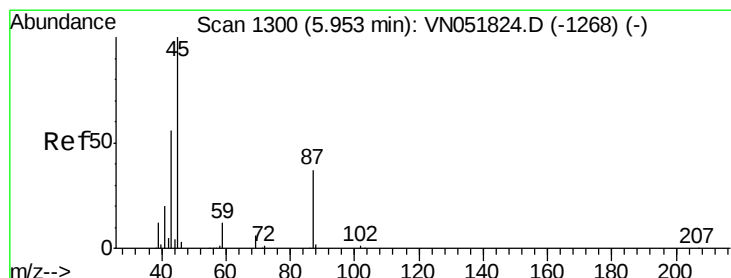
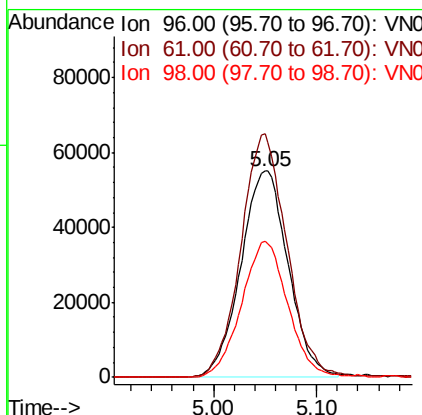
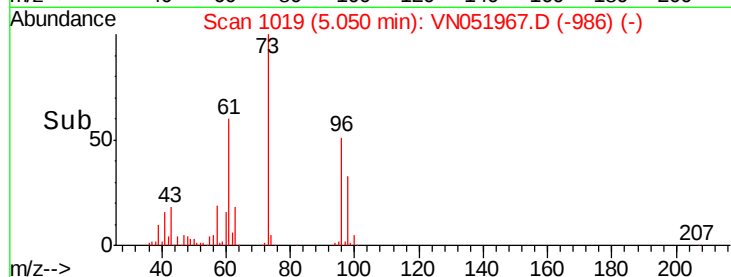
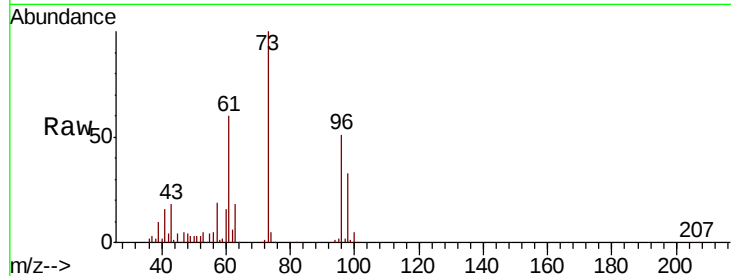
#19
trans-1,2-Dichloroethene
Concen: 20.326 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.0	112.3	168.5
98	66.0	47.1	70.7

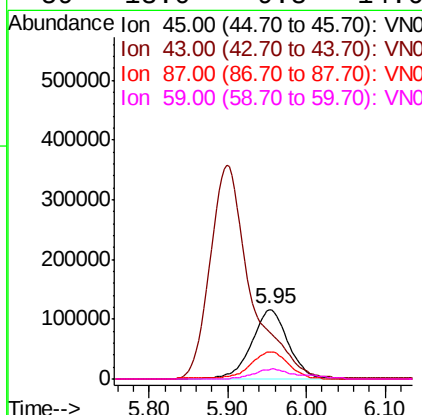
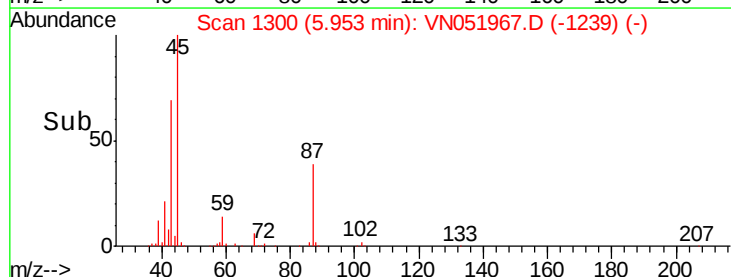
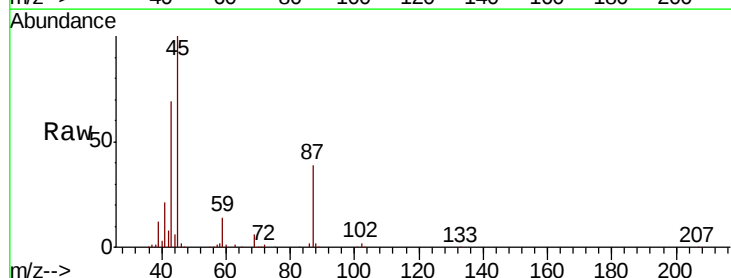
Manual Integrations
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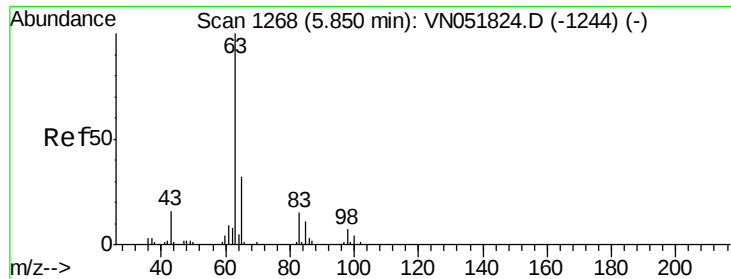
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#20
Diisopropyl ether
Concen: 19.028 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.5	62.1	93.1
87	39.2	19.9	29.9
59	13.0	9.8	14.6





#21

1,1-Dichloroethane

Concen: 19.839 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

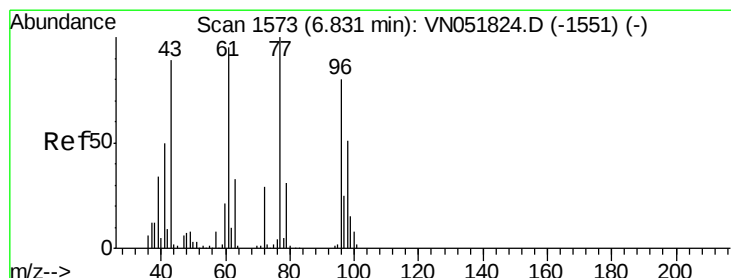
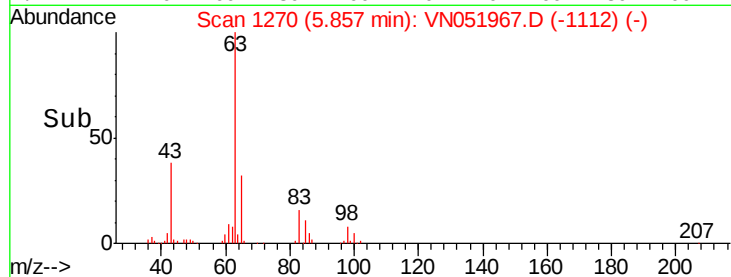
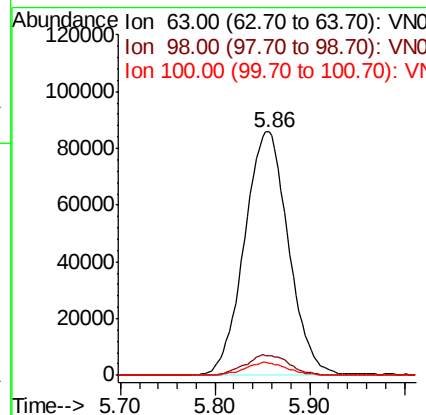
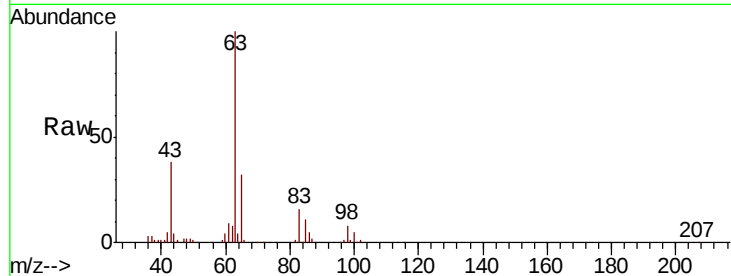
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	277425		
98	8.2	4.1	12.3	
100	5.1	1.6	4.7#	

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#22

cis-1,2-Dichloroethene

Concen: 20.561 ug/l

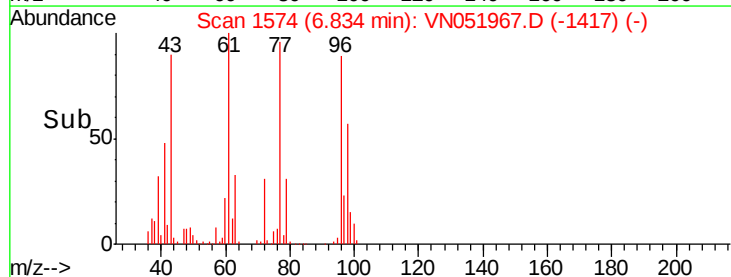
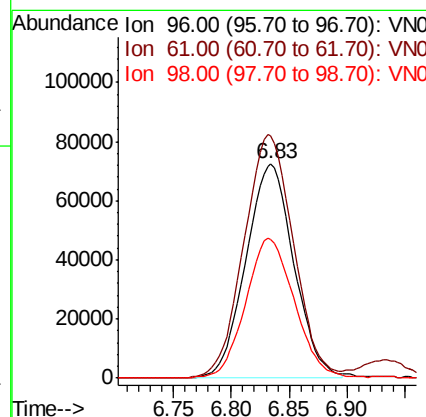
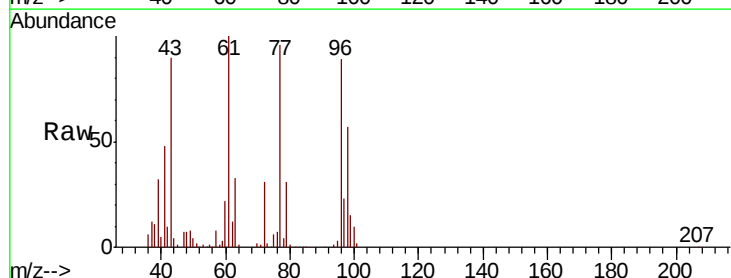
RT: 6.83 min Scan# 1574

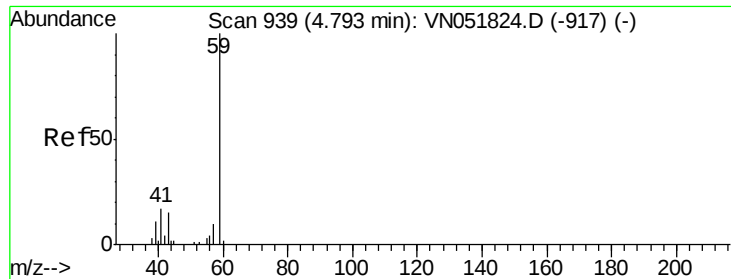
Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	208722		
61	117.2	124.5	186.7#	
98	66.1	51.9	77.9	





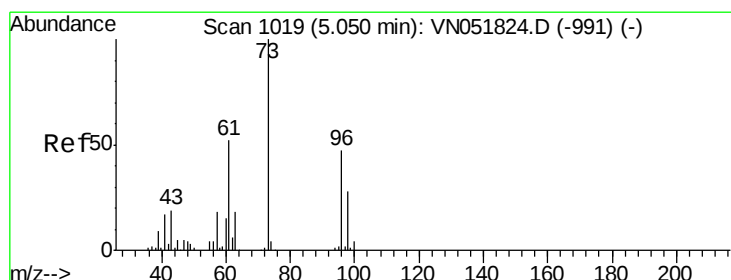
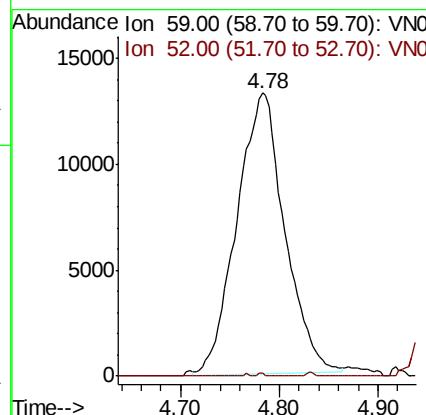
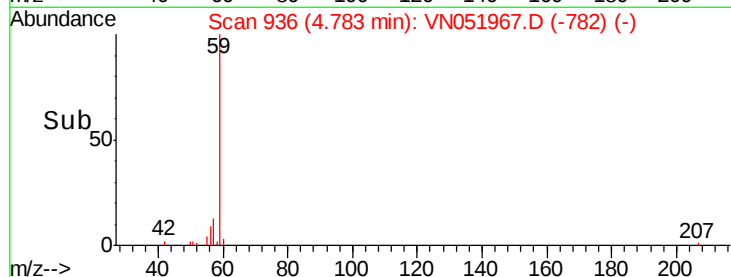
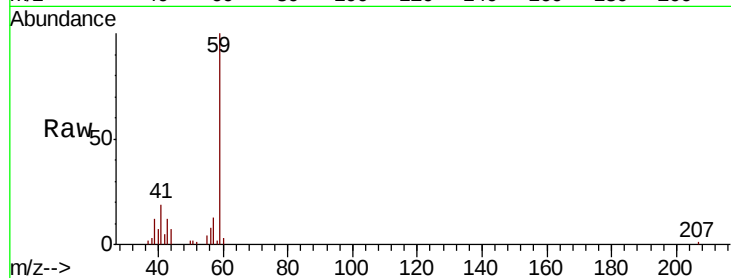
#23
 tert-Butyl Alcohol
 Concen: 80.970 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	59	52
59	100	0.1
52	0.1	0.0
Resp:	44796	0.0#
Lower		
Upper		

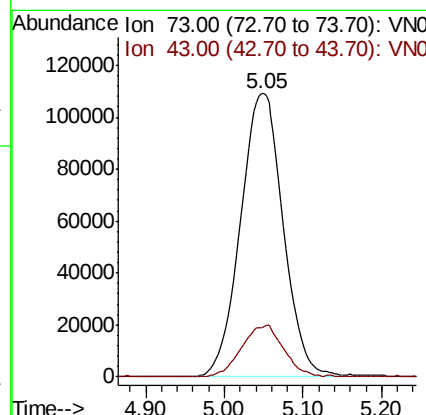
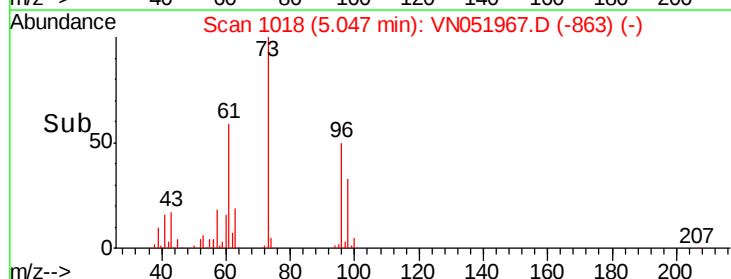
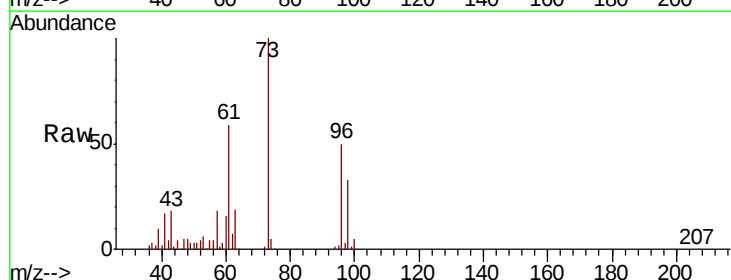
Manual Integrations
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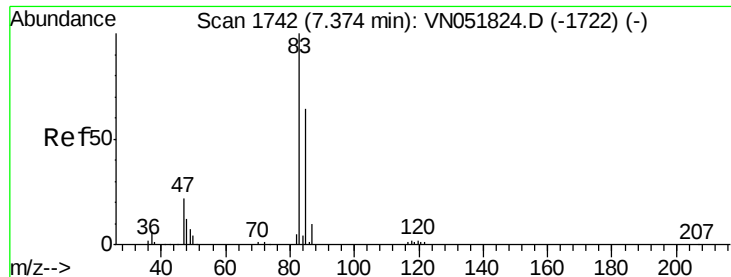
MMDadoda
 10/24/2018 10:09:43 AM



#24
 Methyl tert-Butyl Ether
 Concen: 19.078 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	73	43
73	100	18.1
43	18.1	5.4
Resp:	416018	8.0#
Lower		
Upper		





#25

Chloroform

Concen: 20.455 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 339354

Ion Ratio Lower Upper

83 100

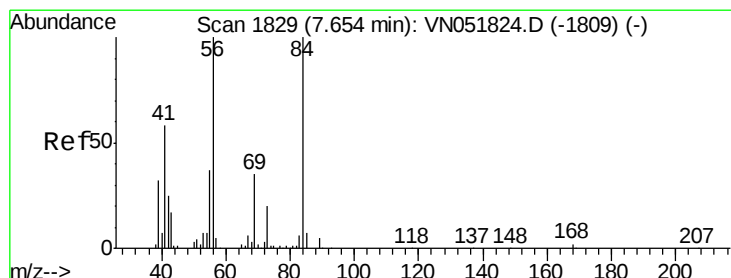
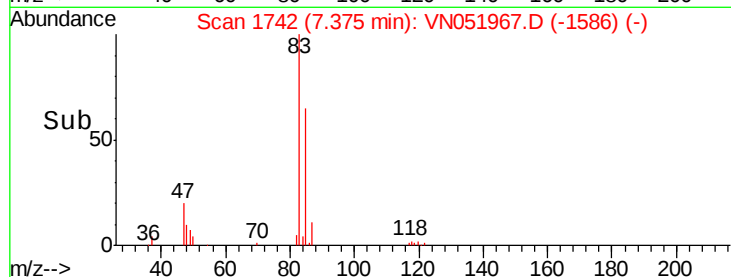
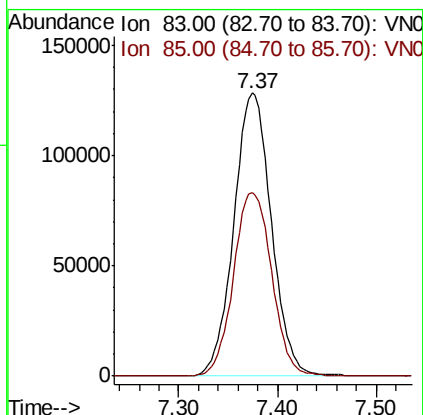
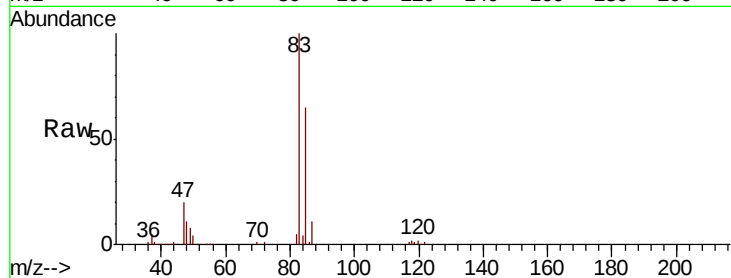
85 65.0 54.6 82.0

Manual Integrations

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#26

Cyclohexane

Concen: 18.555 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

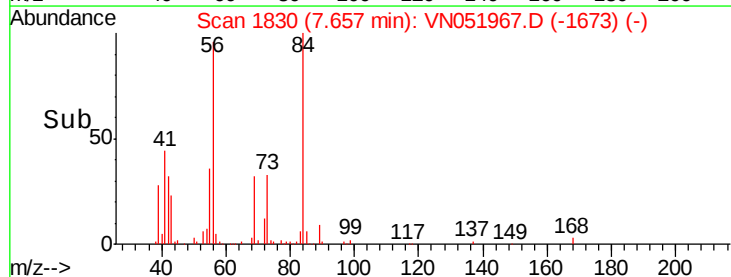
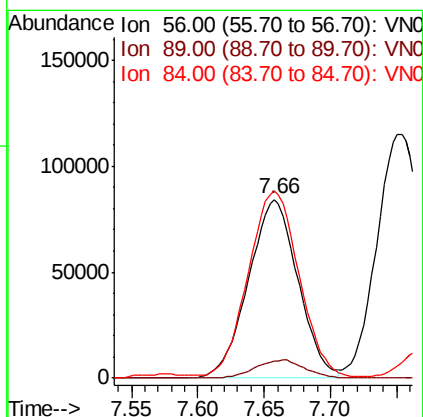
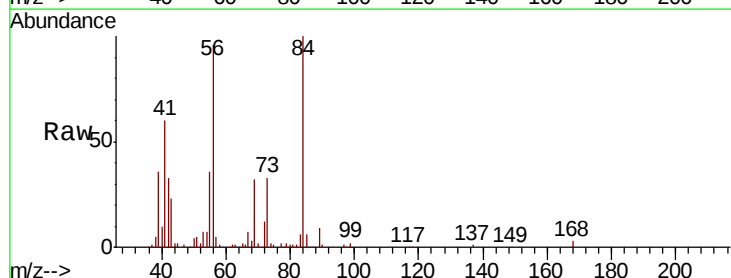
Tgt Ion: 56 Resp: 219980

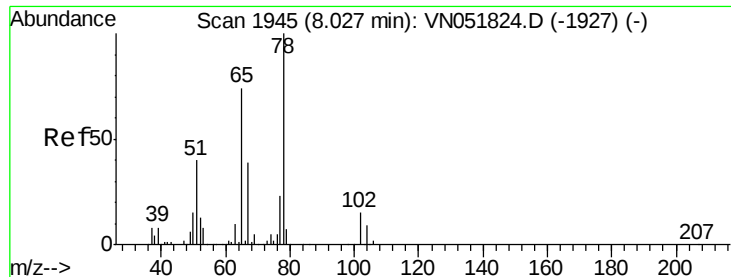
Ion Ratio Lower Upper

56 100

89 10.1 1.5 2.3#

84 108.2 64.2 96.4#





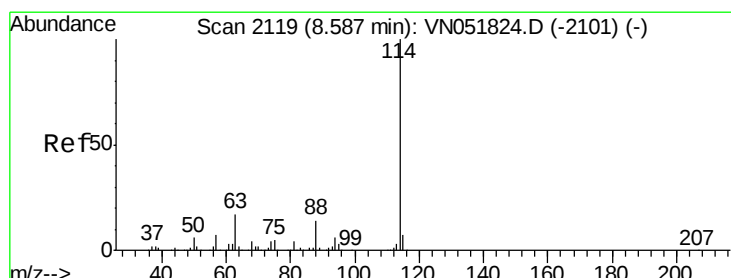
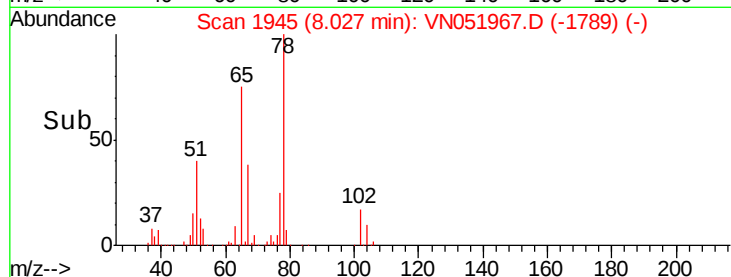
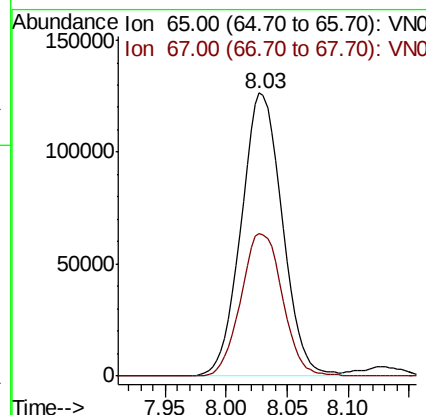
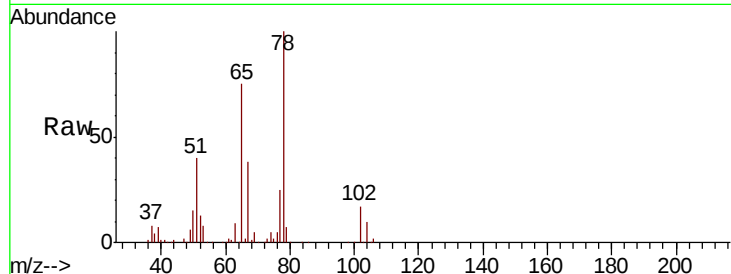
#27
 1,2-Dichloroethane-d4
 Concen: 18.555 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	41.8	62.8

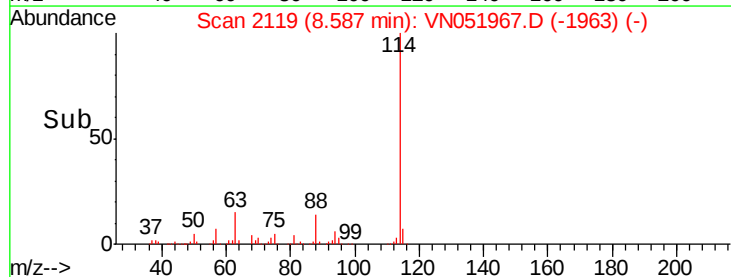
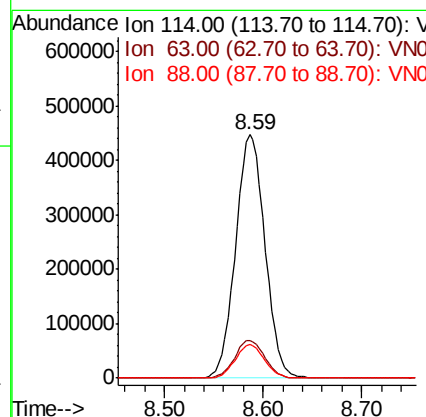
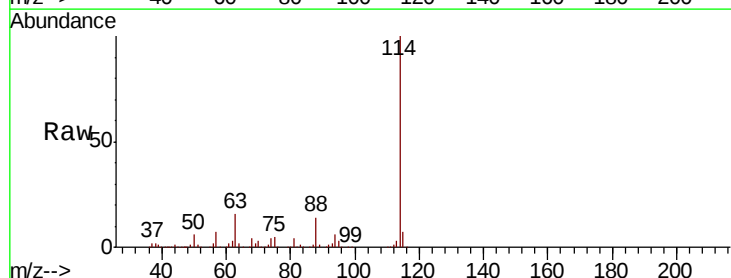
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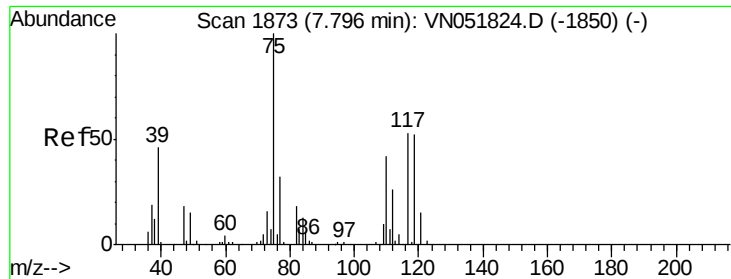
MMDadoda
 10/24/2018 10:09:43 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	15.8	16.2	24.2#
88	13.8	12.2	18.4





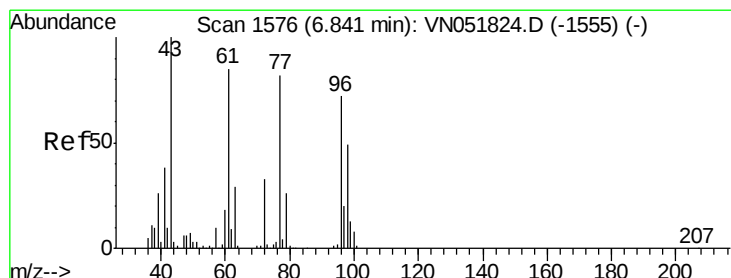
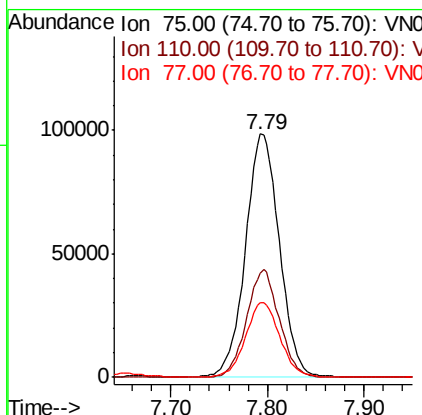
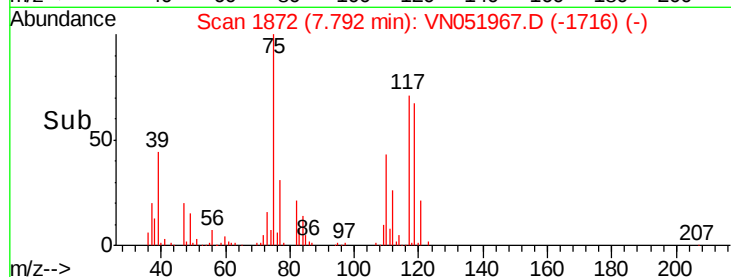
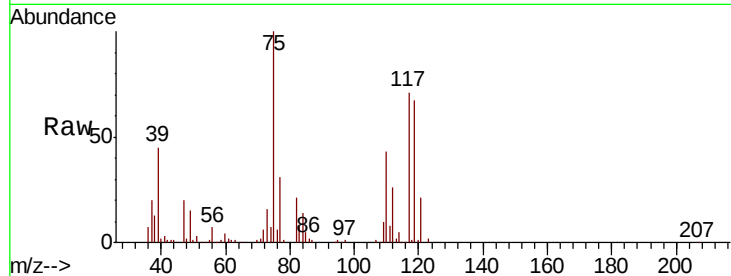
#29
 1,1-Dichloropropene
 Concen: 20.083 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	42.5	0.0	70.8
77	31.2	0.0	61.6

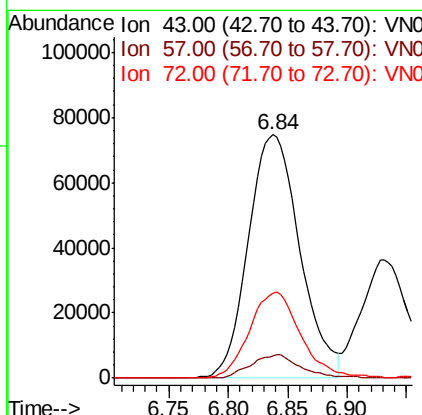
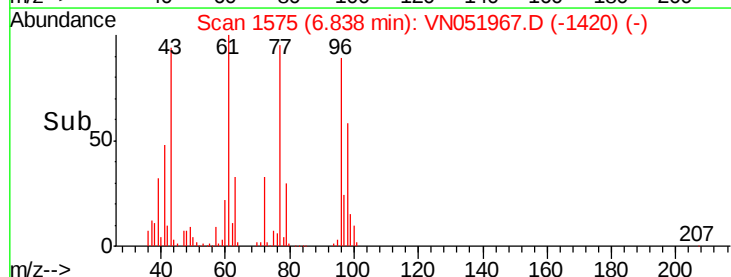
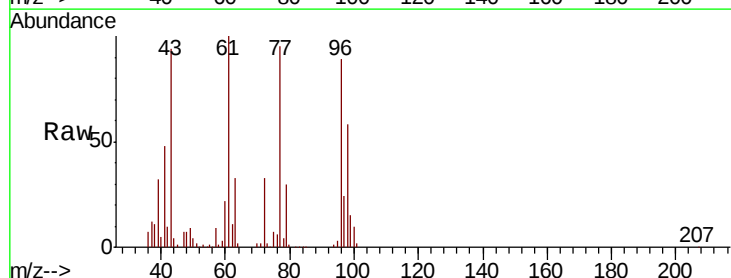
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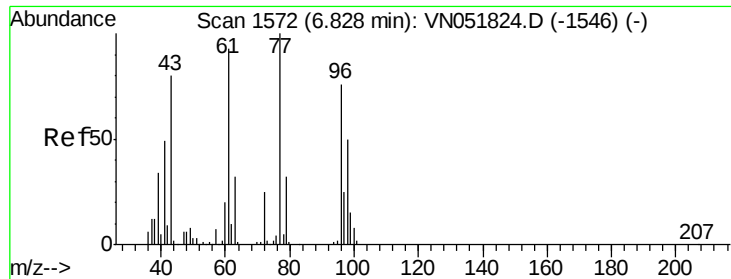
MMDadoda
 10/24/2018 10:09:43 AM



#30
 2-Butanone
 Concen: 89.345 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.4	4.5	6.7#
72	34.9	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 18.668 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 262733

Ion Ratio Lower Upper

77 100

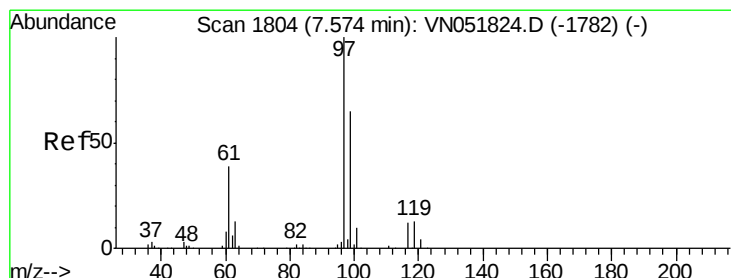
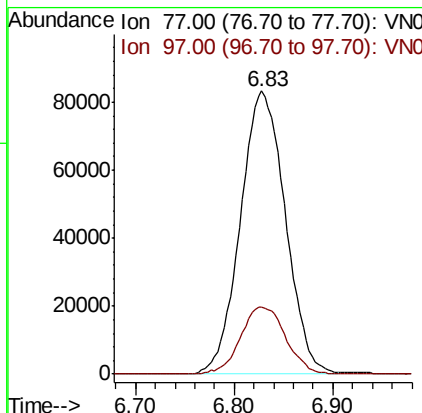
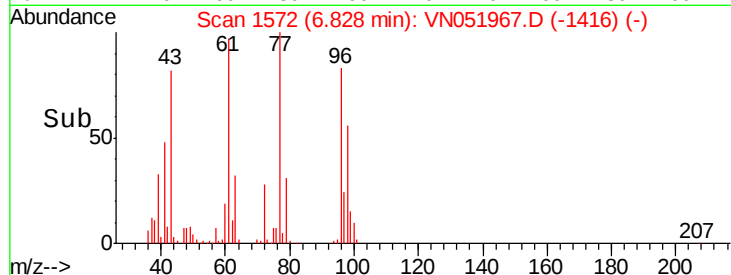
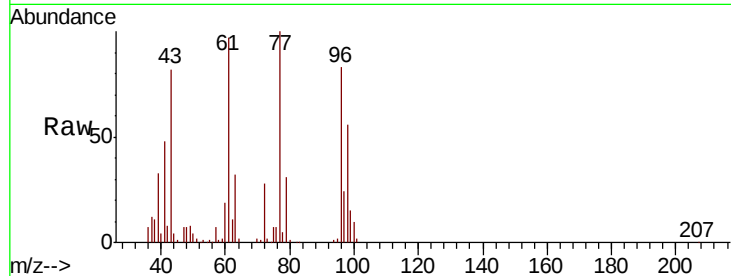
97 23.8 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.778 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

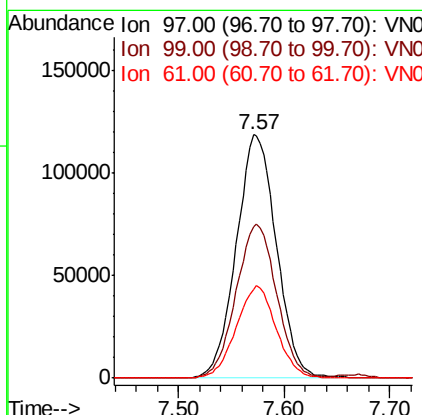
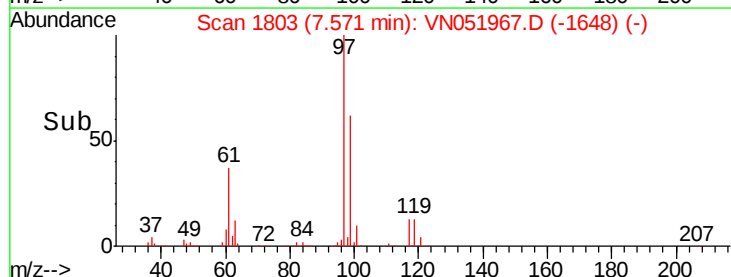
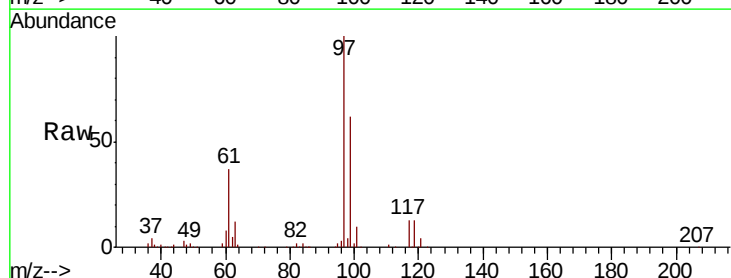
Tgt Ion: 97 Resp: 313695

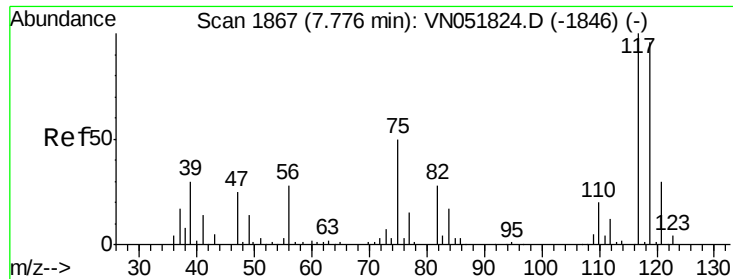
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 37.8 37.4 56.0





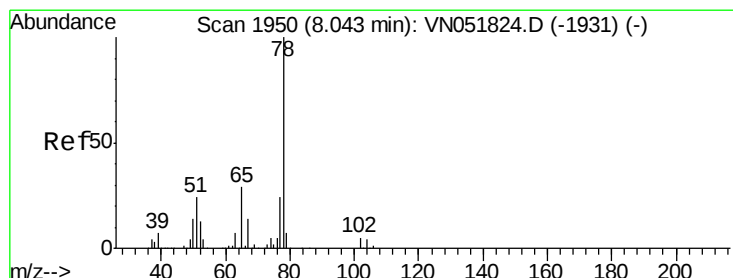
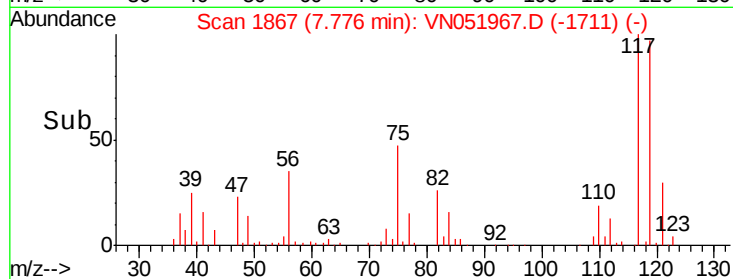
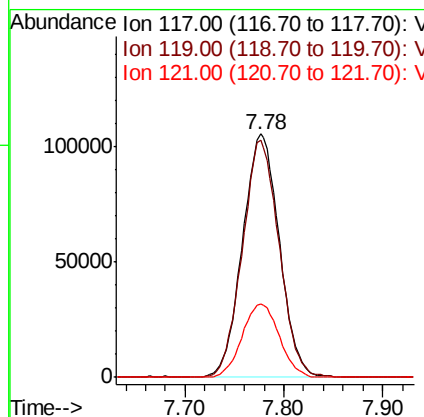
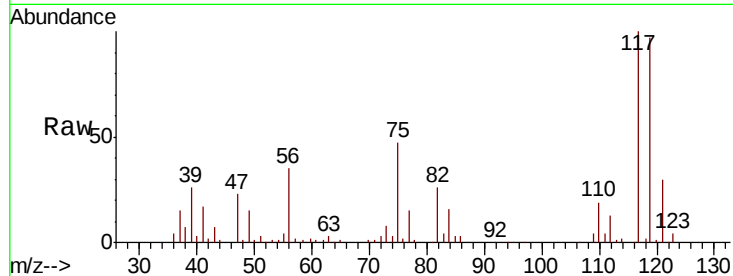
#33
Carbon Tetrachloride
Concen: 19.021 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.5	85.1	127.7
121	30.1	24.2	36.2

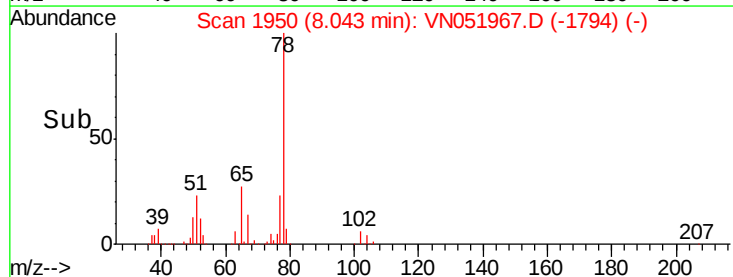
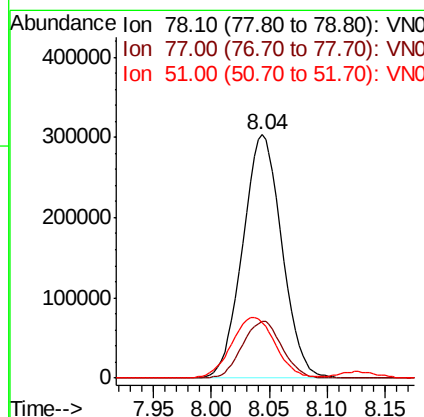
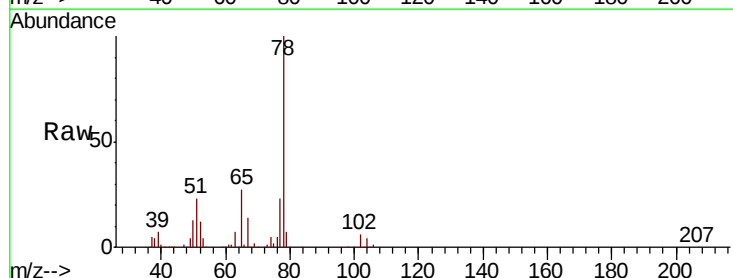
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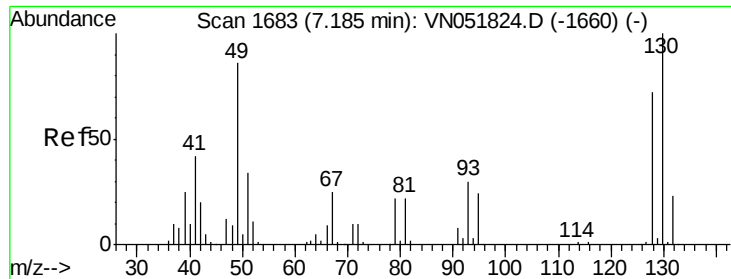
MMDadoda
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#34
Benzene
Concen: 20.211 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2
51	22.8	46.2	69.4#





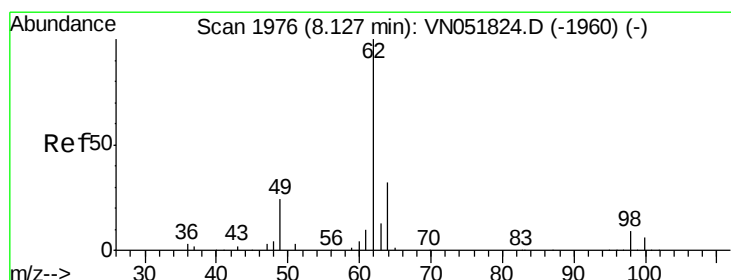
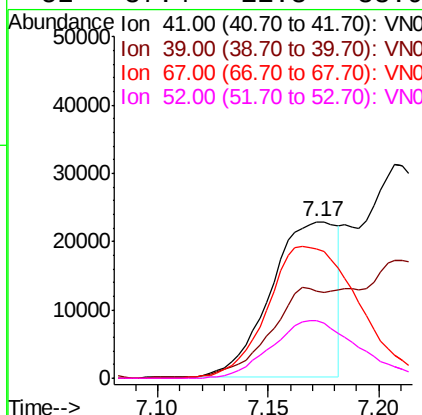
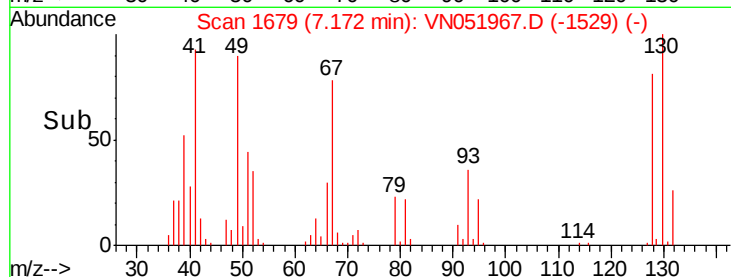
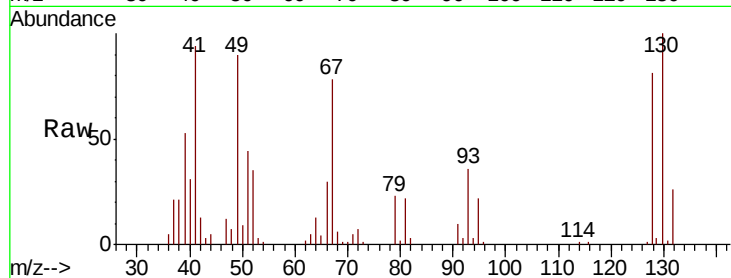
#35
Methacrylonitrile
Concen: 14.401 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	22.6	67.7
67	82.8	28.9	86.8
52	37.4	11.3	33.9

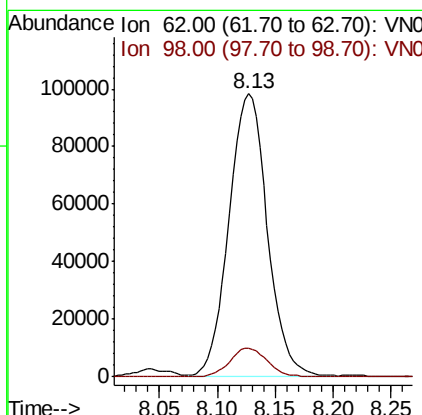
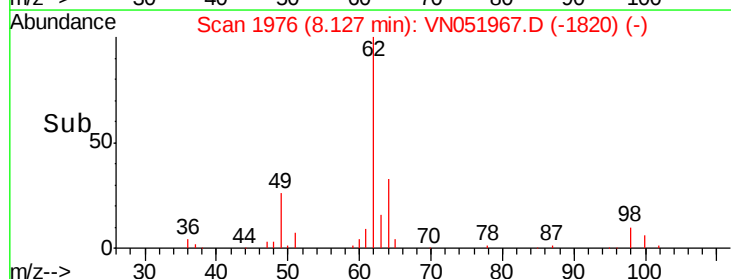
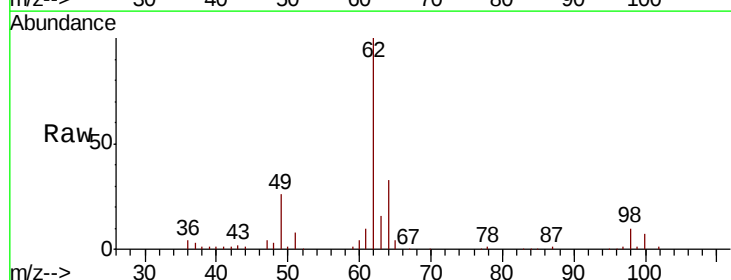
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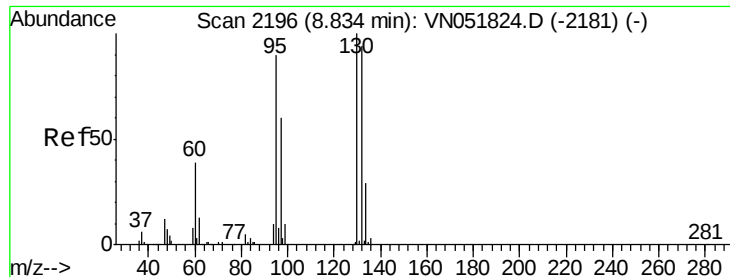
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#36
1,2-Dichloroethane
Concen: 19.969 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	6.9	10.3





#37

Trichloroethene

Concen: 20.794 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 228428

Ion Ratio Lower Upper

130 100

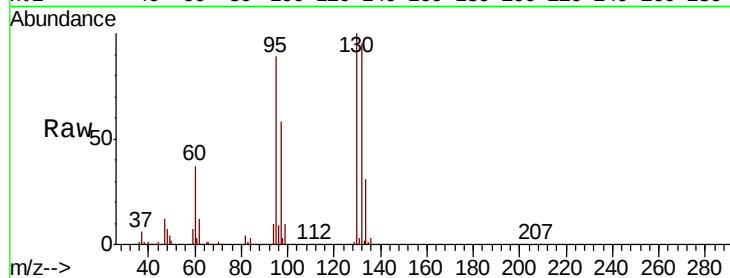
95 89.1 76.4 114.6

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

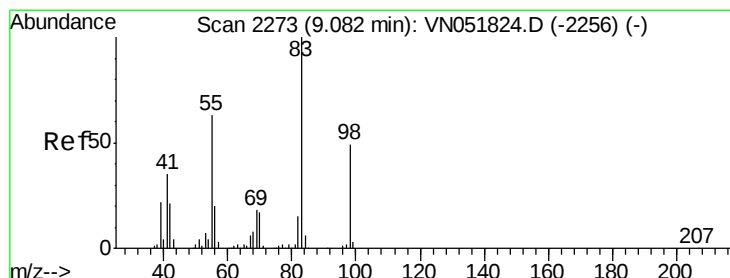
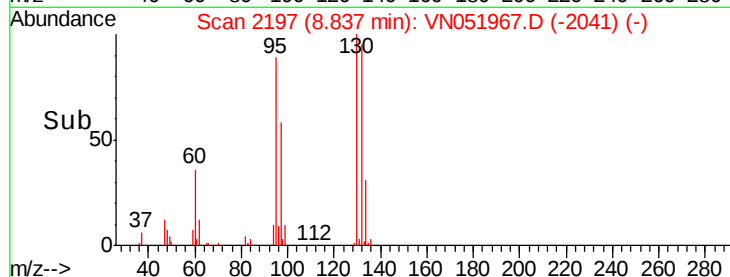
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.450 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

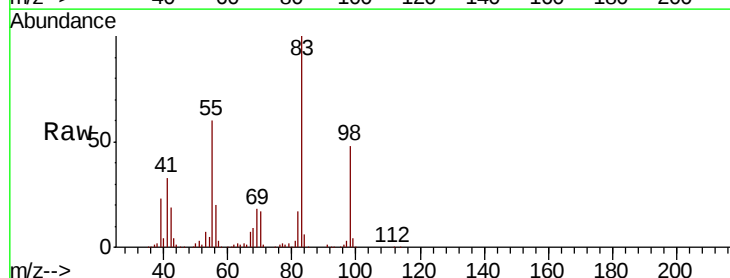
Tgt Ion: 83 Resp: 283112

Ion Ratio Lower Upper

83 100

55 61.7 43.0 129.2

98 49.9 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

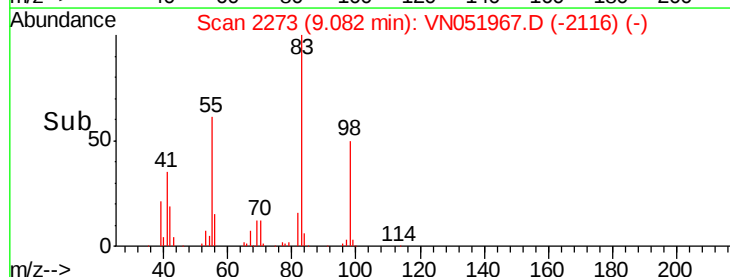
150000

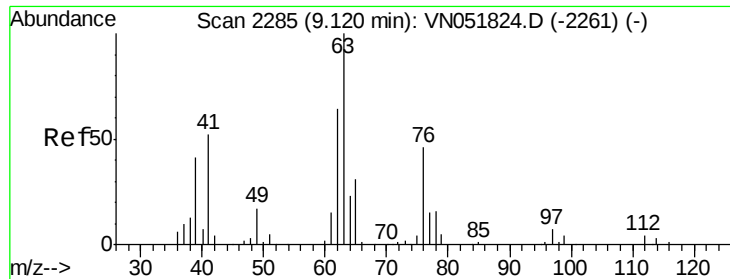
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.462 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 162193

Ion Ratio Lower Upper

63 100

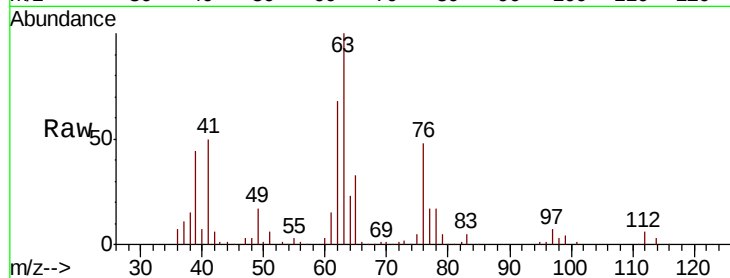
65 32.5 23.2 34.8

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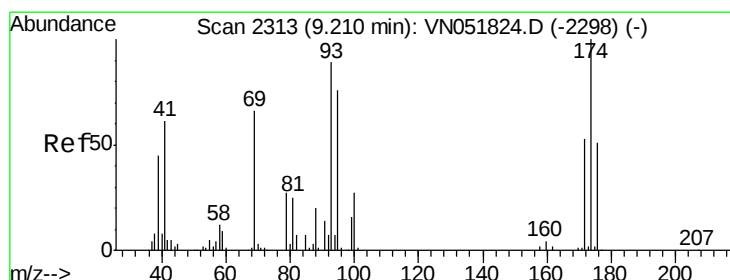
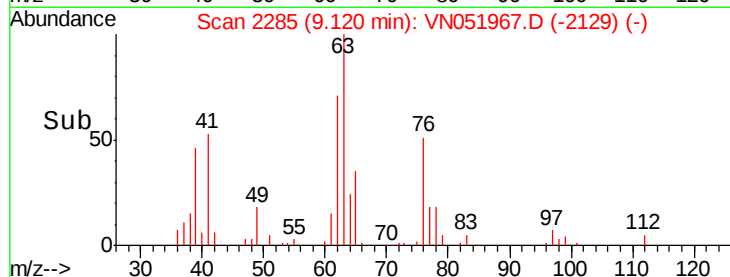
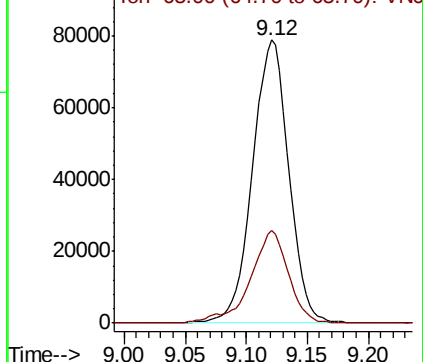
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.353 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

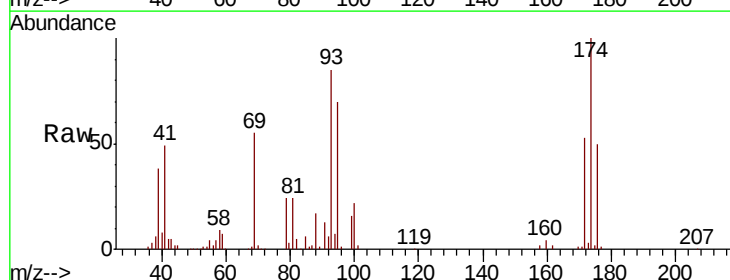
Tgt Ion: 93 Resp: 125892

Ion Ratio Lower Upper

93 100

95 83.8 0.0 162.0

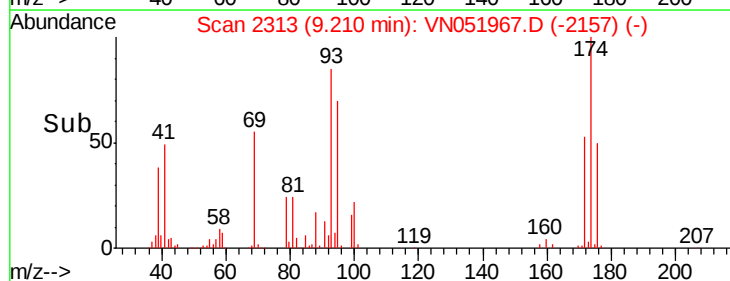
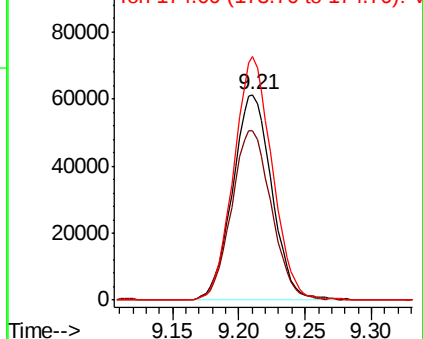
174 116.0 0.0 214.0

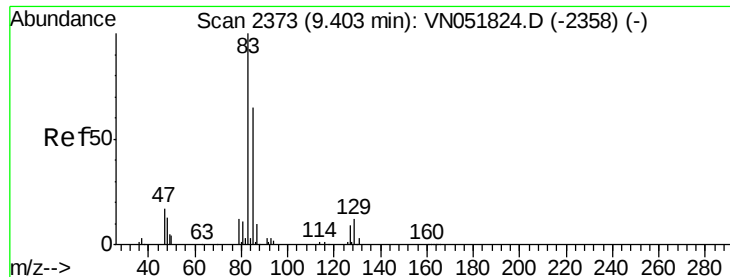


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.395 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

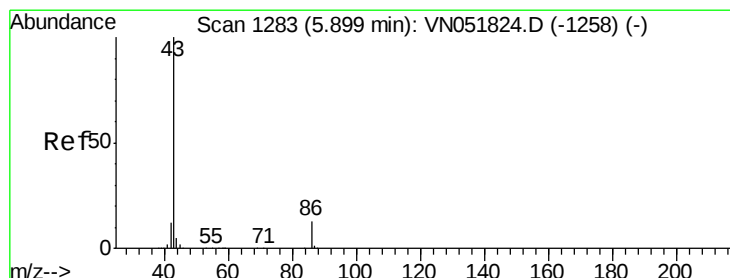
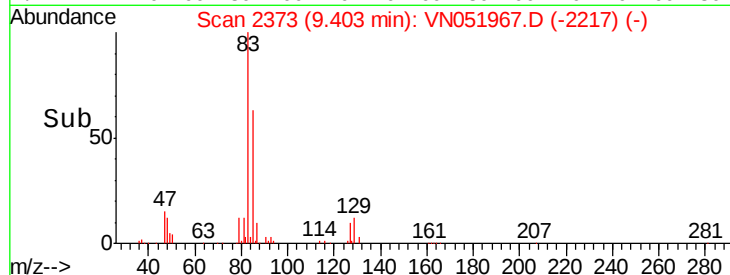
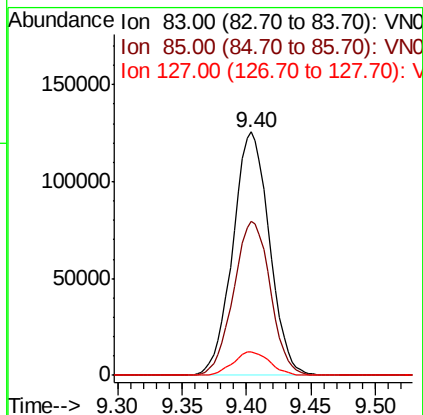
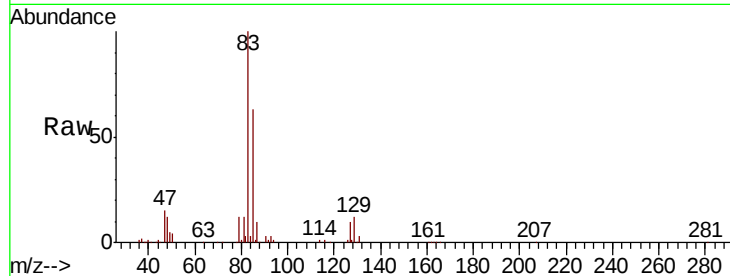
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	247792
Ion Ratio	Lower	Upper	
83	100		
85	63.3	55.7	83.5
127	9.6	8.2	12.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 90.586 ug/l

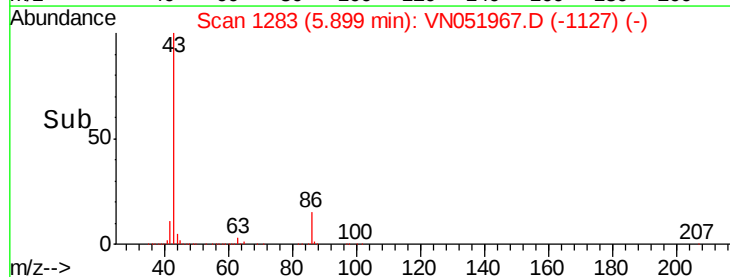
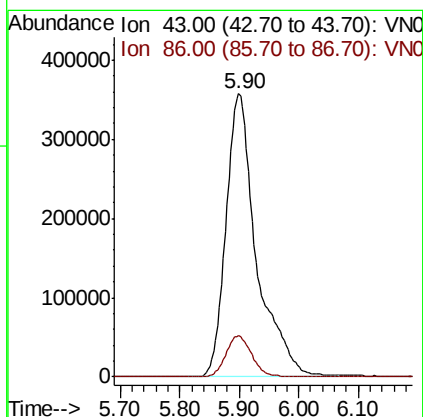
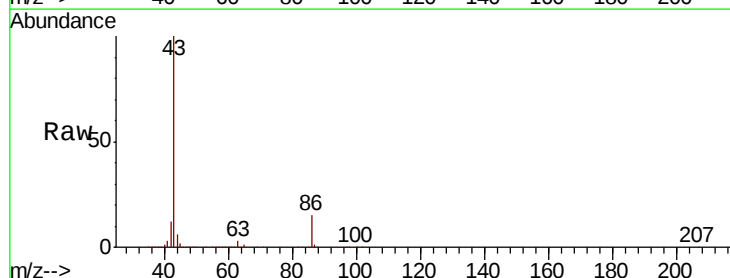
RT: 5.90 min Scan# 1283

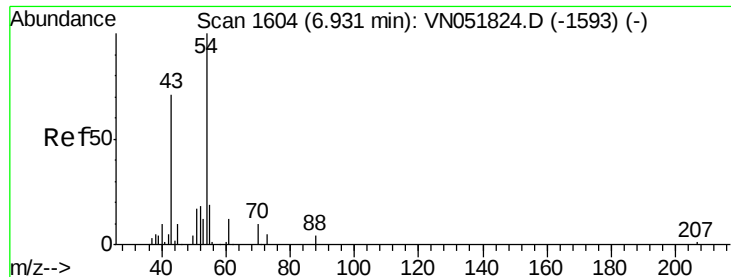
Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Tgt Ion:	43	Resp:	1275112
Ion Ratio	Lower	Upper	
43	100		
86	12.2	6.5	9.7#





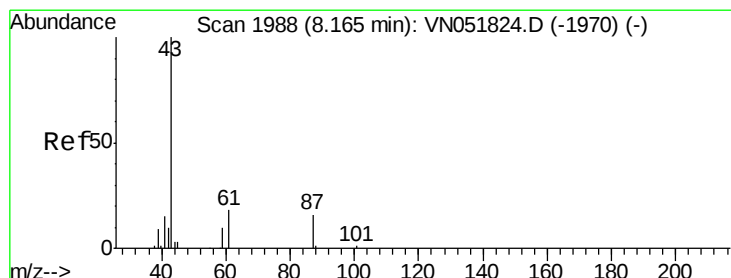
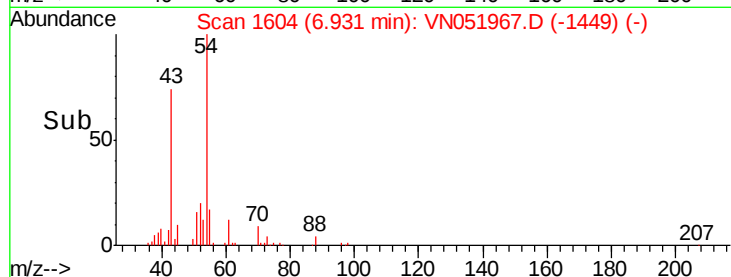
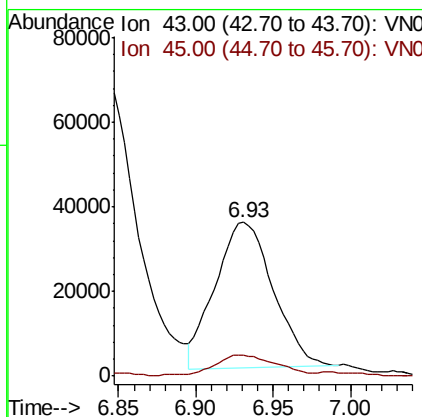
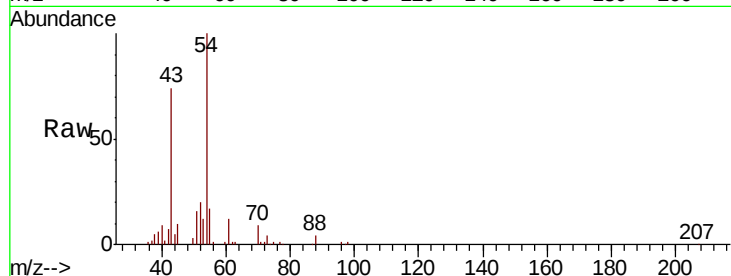
#43
Ethyl Acetate
Concen: 16.459 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	Lower	Upper
89366	100	15.6		11.0	16.6

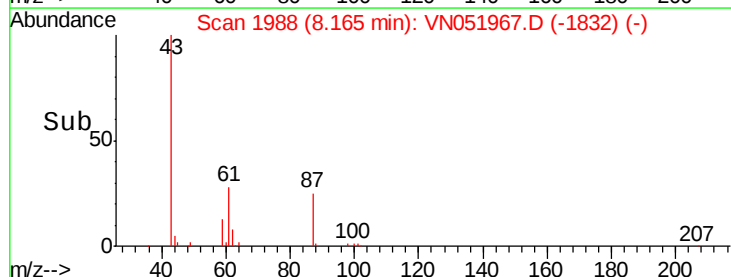
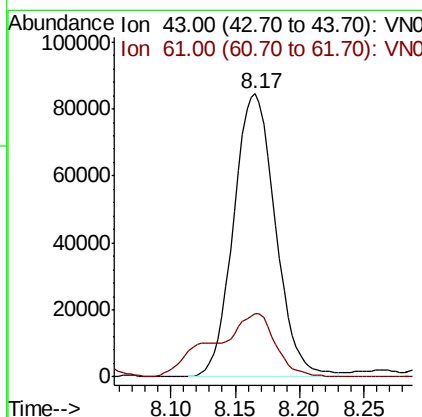
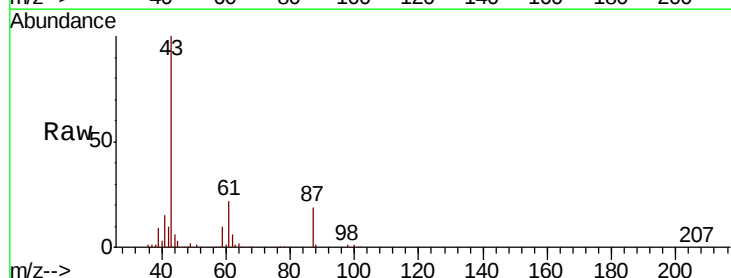
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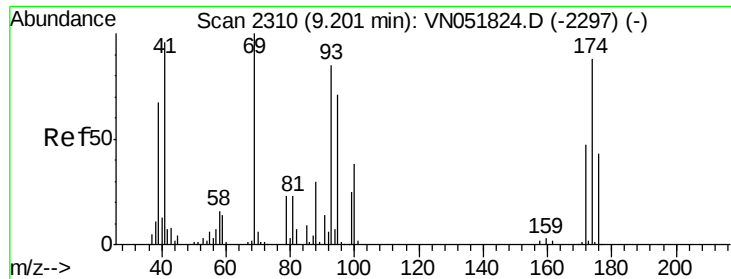
MMDadoda
10/24/2018 10:09:43 AM



#44
Isopropyl Acetate
Concen: 17.434 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	43	61	Ratio	Lower	Upper
189065	100	21.6		15.9	23.9





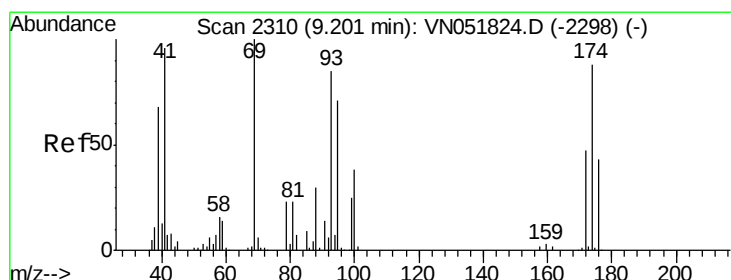
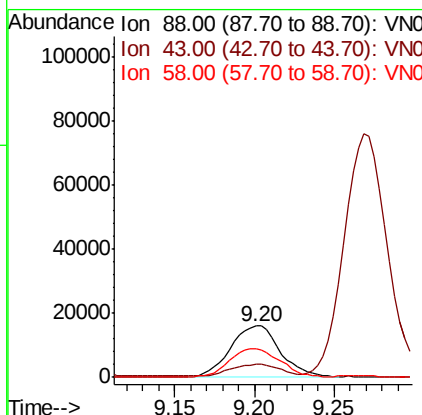
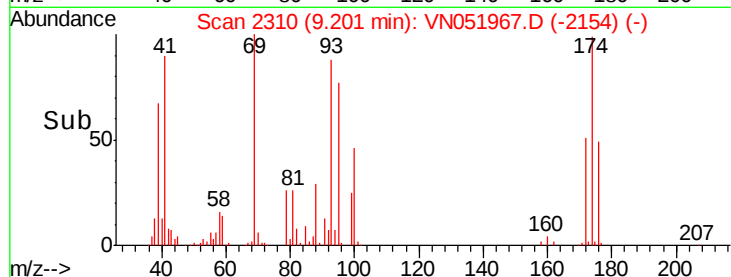
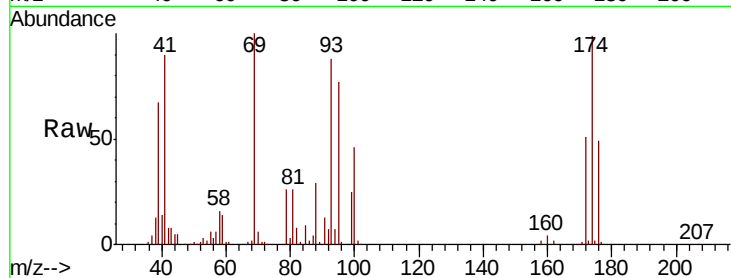
#45
 1,4-Dioxane
 Concen: 396.580 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	22.9	26.2	39.2#
58	55.9	65.6	98.4#

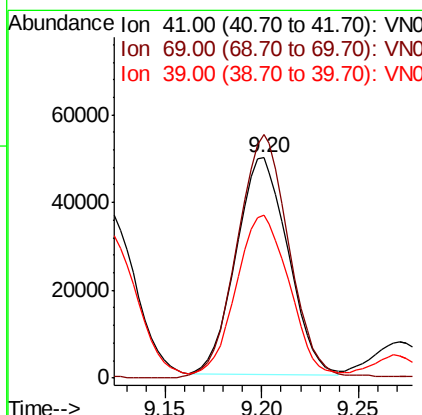
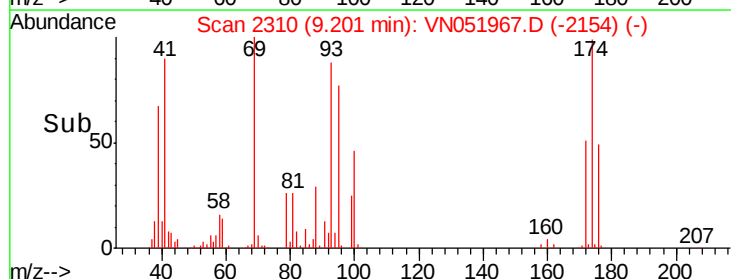
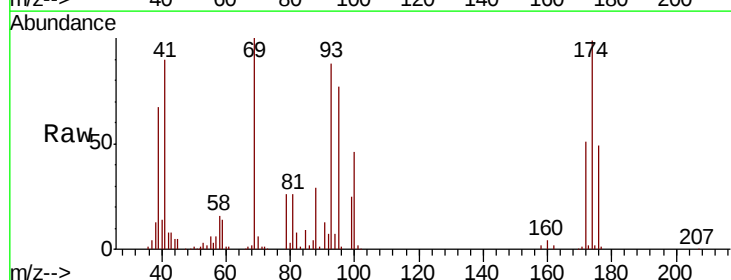
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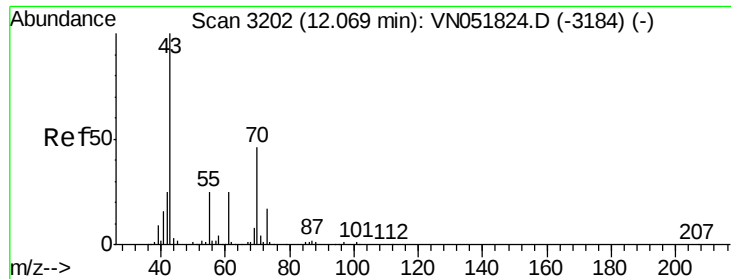
MMDadoda
 10/24/2018 10:09:43 AM



#46
 Methyl methacrylate
 Concen: 18.391 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
41	100		
69	111.7	40.7	122.1
39	73.4	27.3	81.9





#47

n-amyl Acetate

Concen: 19.091 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 173321

Ion Ratio Lower Upper

43 100

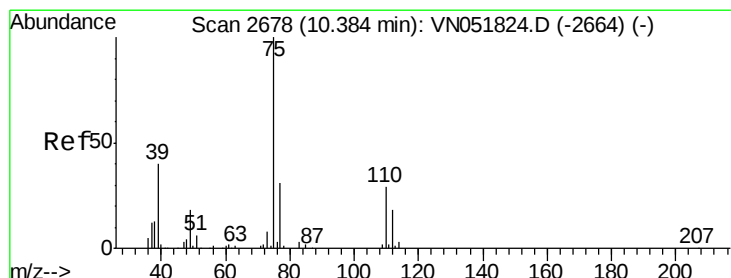
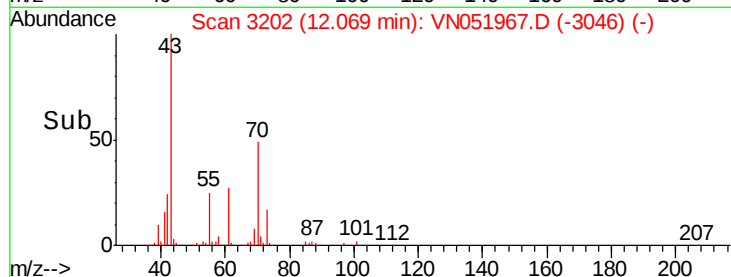
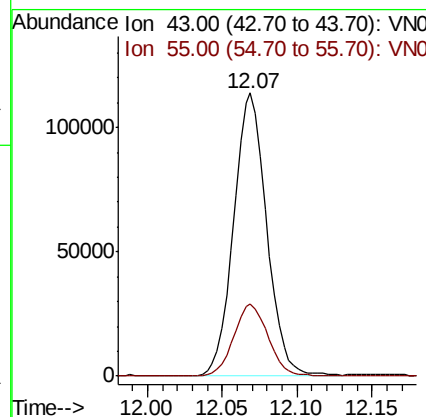
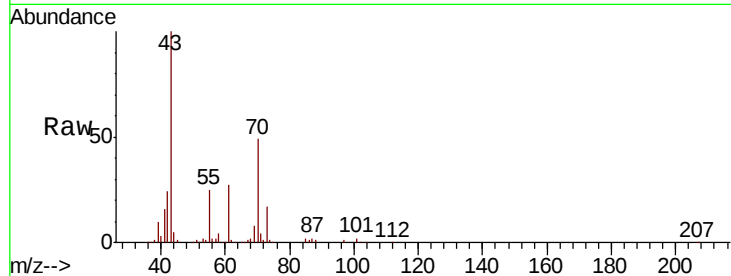
55 26.8 12.2 18.4#

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MMDadoda

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#48

t-1,3-Dichloropropene

Concen: 17.991 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051967.D

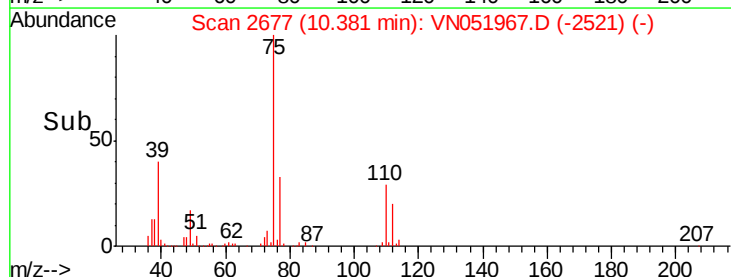
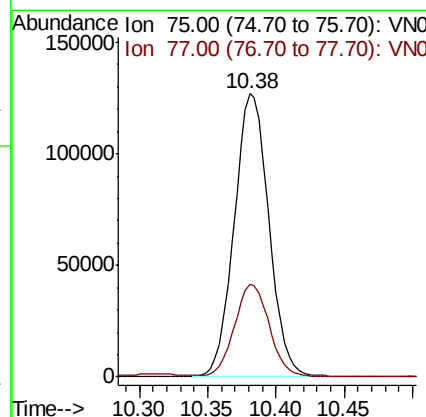
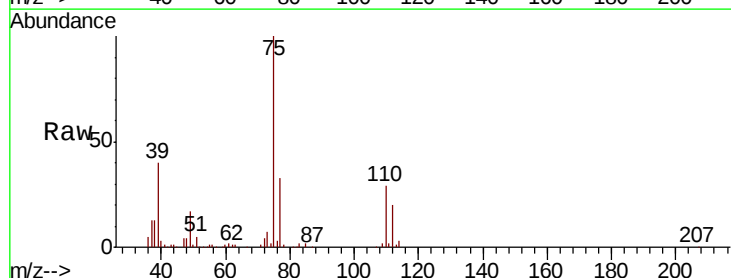
Acq: 23 Oct 2018 16:40

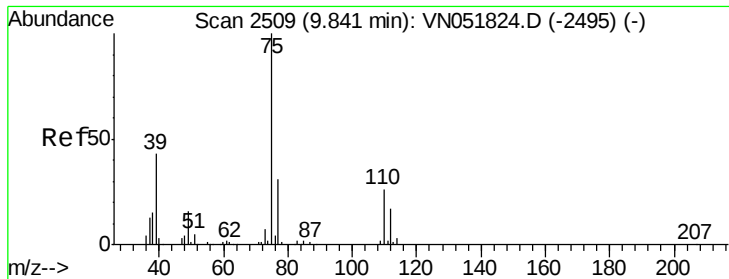
Tgt Ion: 75 Resp: 224146

Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0





#49

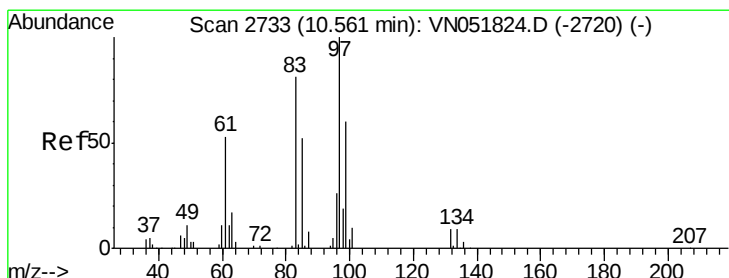
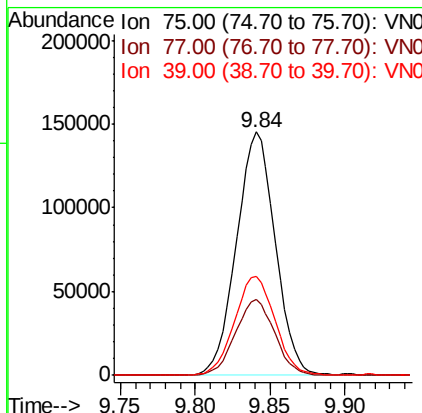
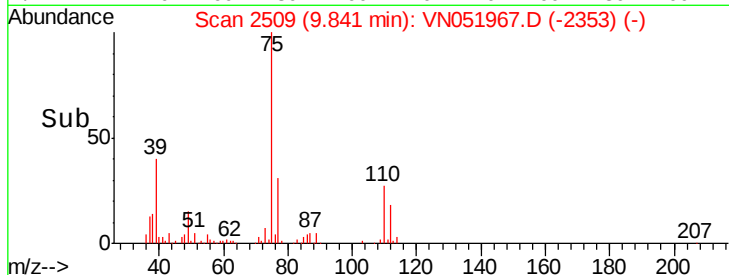
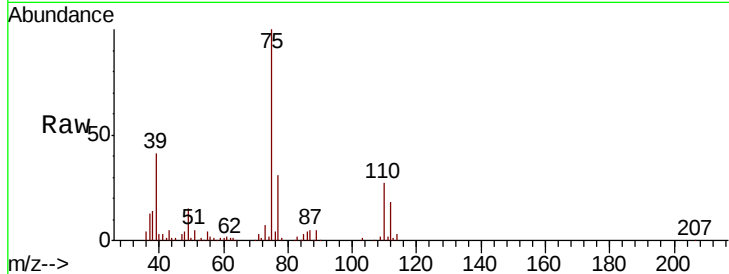
cis-1,3-Dichloropropene
Concen: 19.087 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.2	34.8
39	40.4	34.6	52.0

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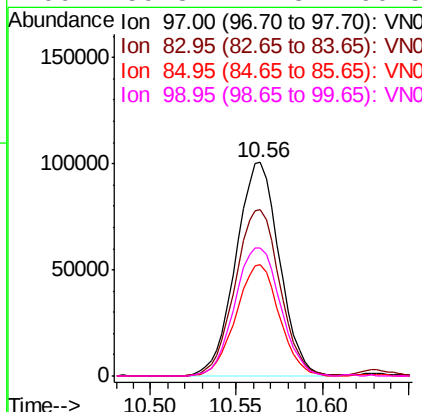
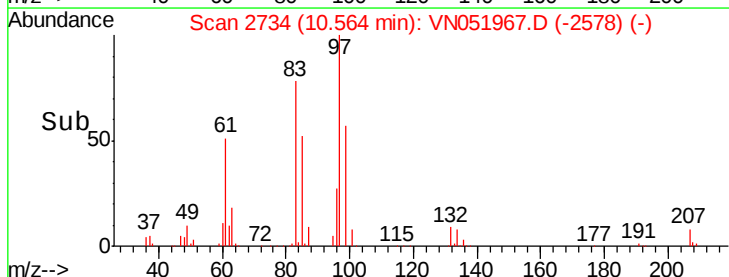
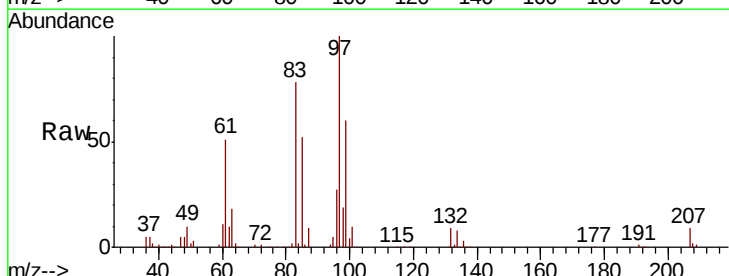
MMDadoda
10/24/2018 10:09:43 AM

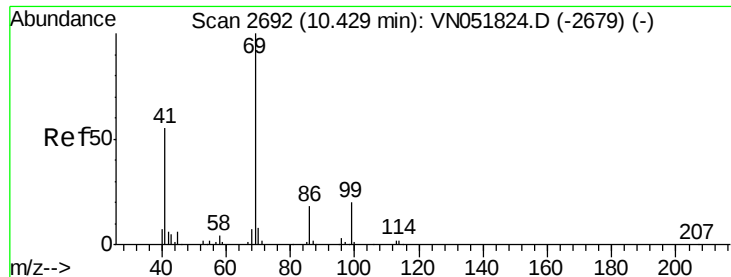


#50

1,1,2-Trichloroethane
Concen: 20.684 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.3	68.2	102.4
85	52.1	42.5	63.7
99	59.8	44.3	66.5





#51

Ethyl methacrylate

Concen: 18.862 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

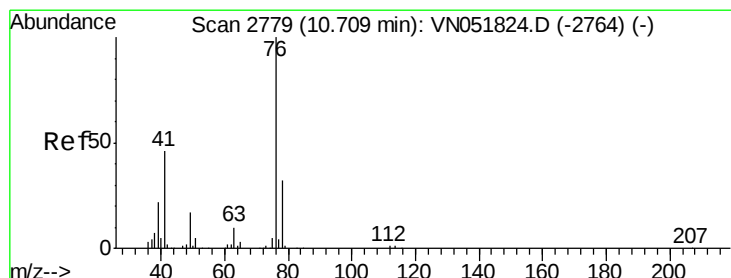
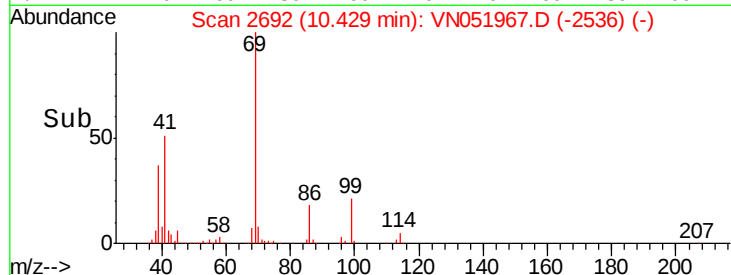
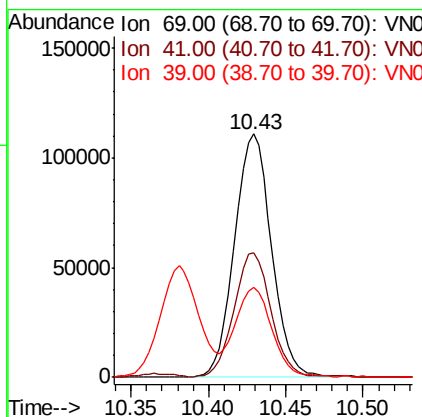
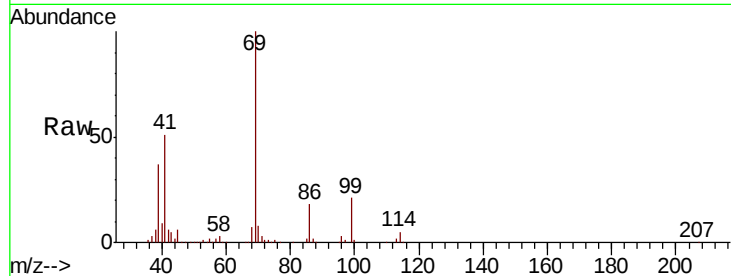
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	184549
Ion Ratio	Lower	Upper	
69	100		
41	50.9	34.4	103.1
39	36.4	16.3	48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.178 ug/l

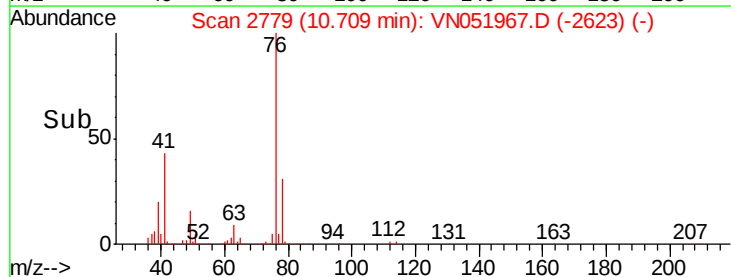
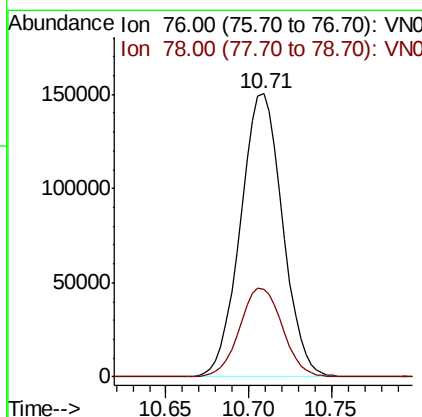
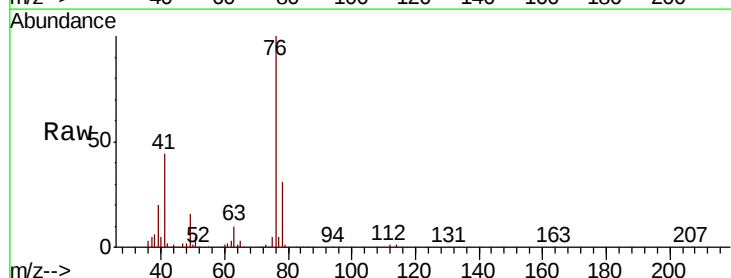
RT: 10.71 min Scan# 2779

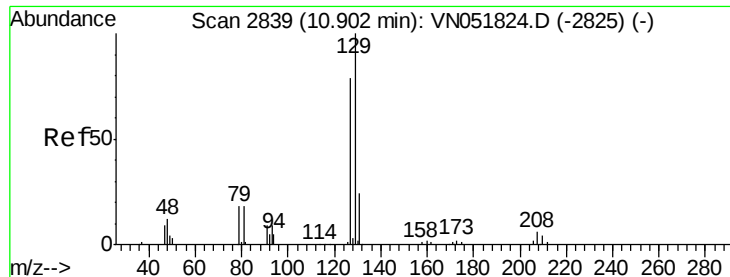
Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Tgt Ion:	76	Resp:	266137
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	67.6





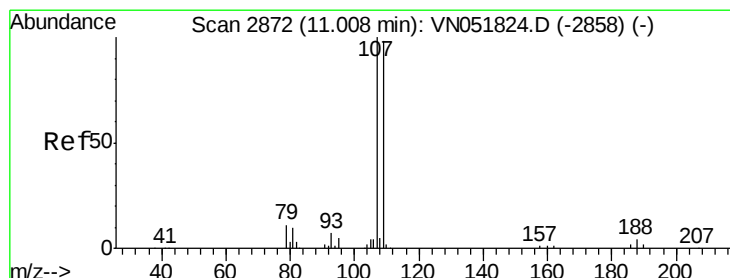
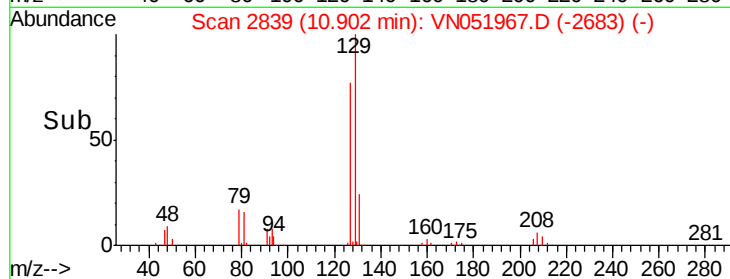
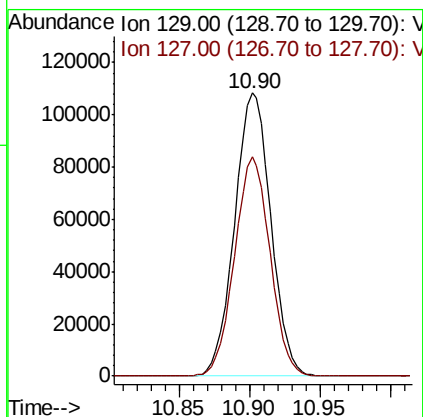
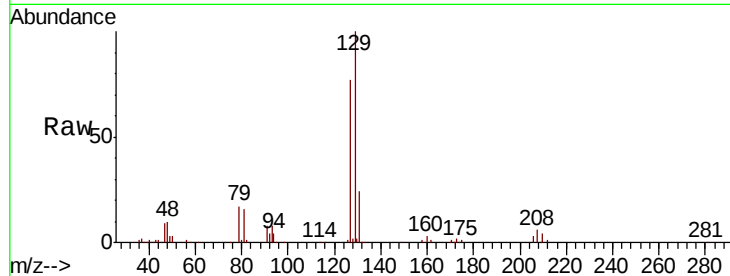
#53
 Dibromochloromethane
 Concen: 18.474 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 195308
 Ion Ratio Lower Upper
 129 100
 127 75.9 40.2 120.5

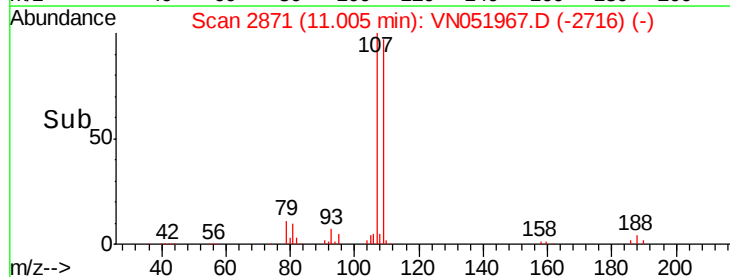
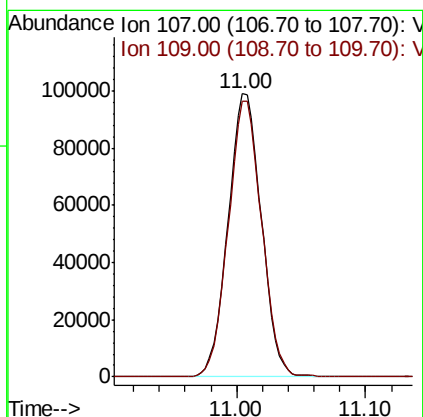
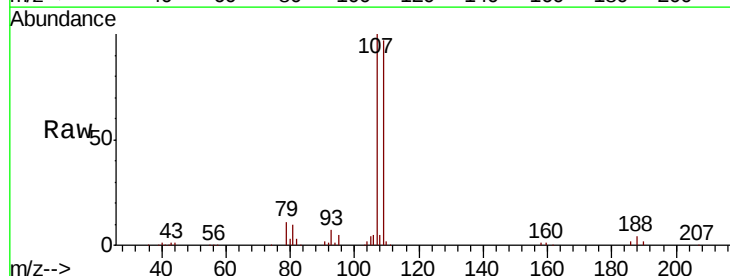
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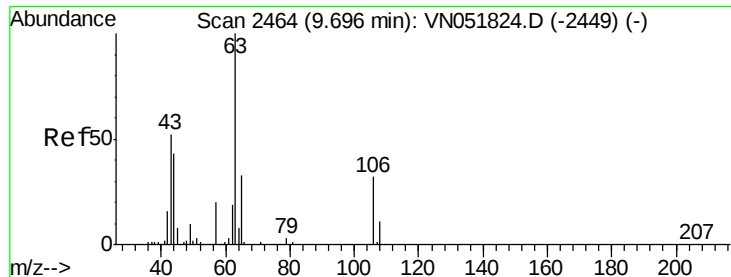
MMDadoda
 10/24/2018 10:09:43 AM



#54
 1,2-Dibromoethane
 Concen: 19.770 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion:107 Resp: 177346
 Ion Ratio Lower Upper
 107 100
 109 97.5 77.4 116.0





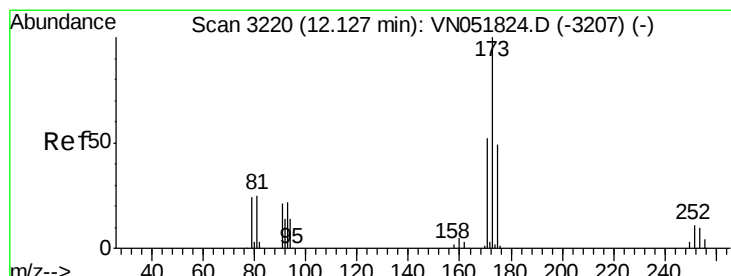
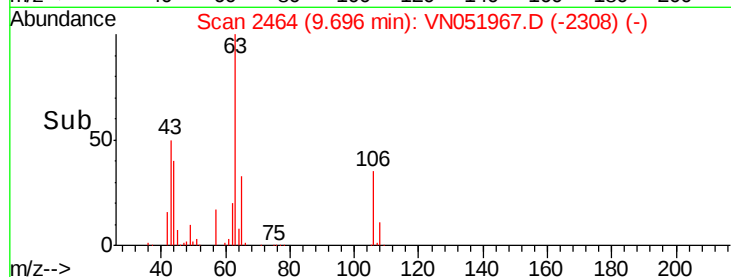
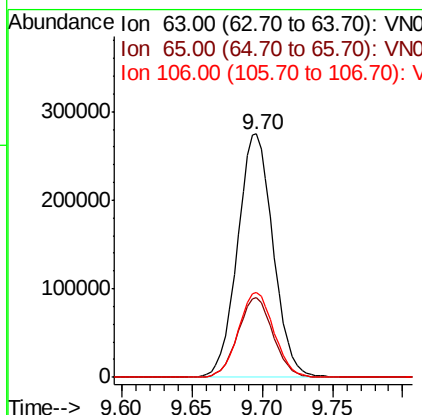
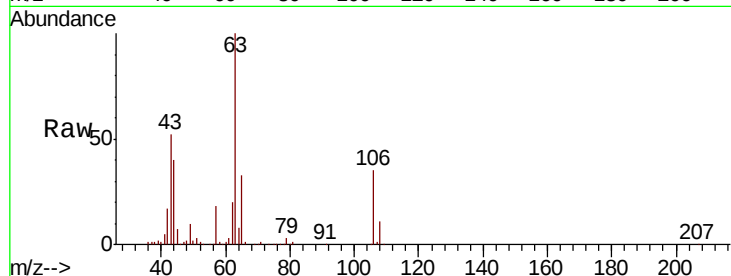
#55
 2-Chloroethyl vinyl ether
 Concen: 115.921 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.4	38.0
106	35.1	21.2	31.8

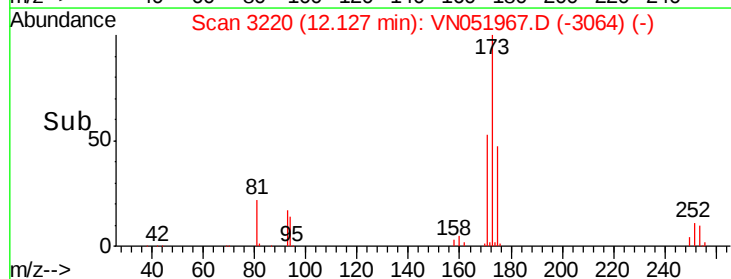
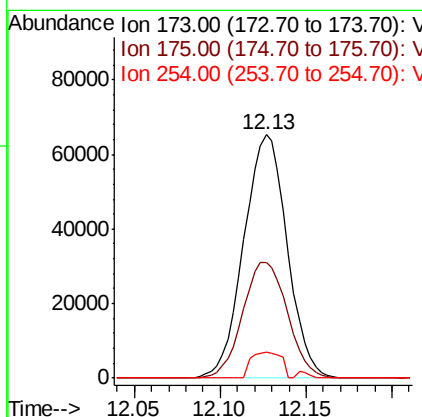
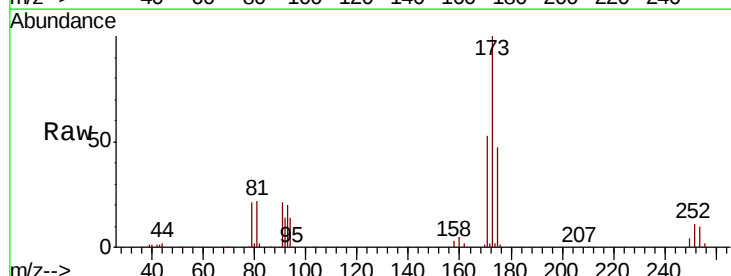
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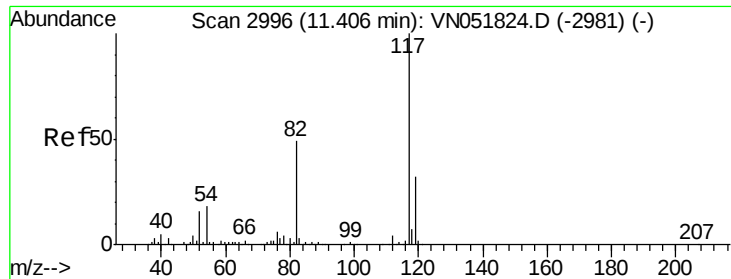
MMDadoda
 10/24/2018 10:09:43 AM



#56
 Bromoform
 Concen: 16.410 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	35.8	53.8
254	7.4	8.6	13.0





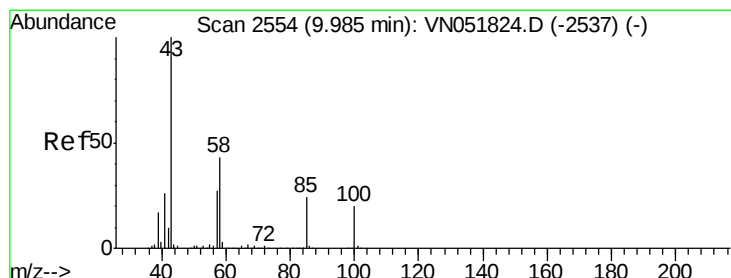
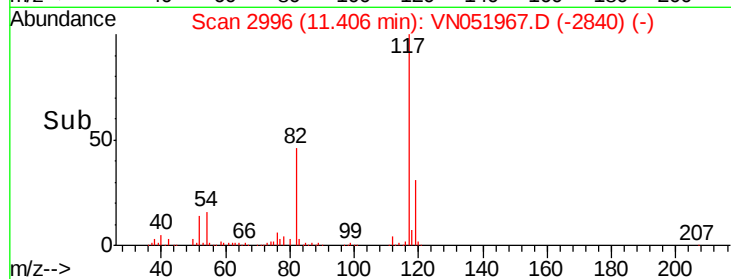
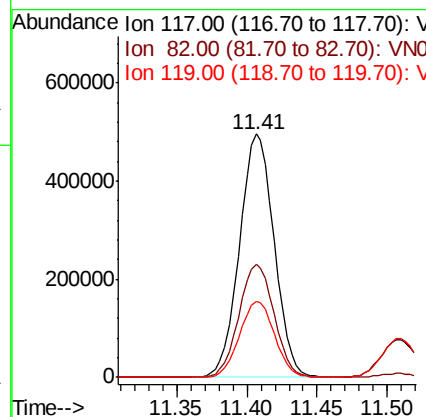
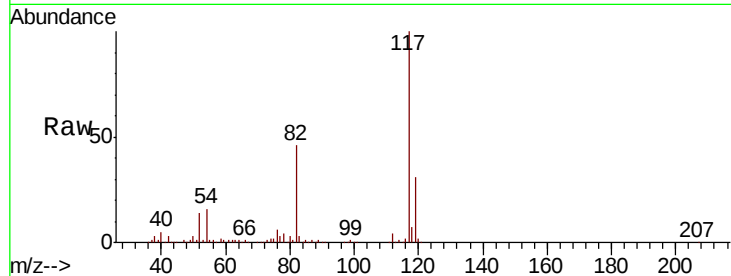
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.1	44.1	66.1
119	31.6	25.8	38.8

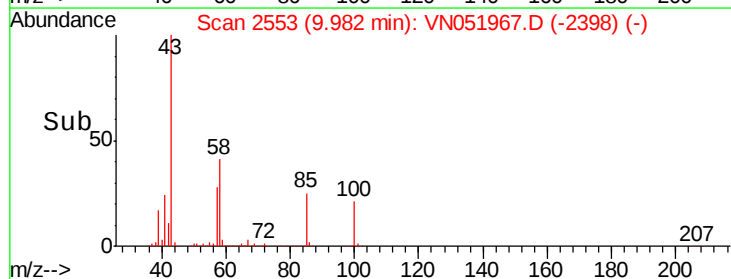
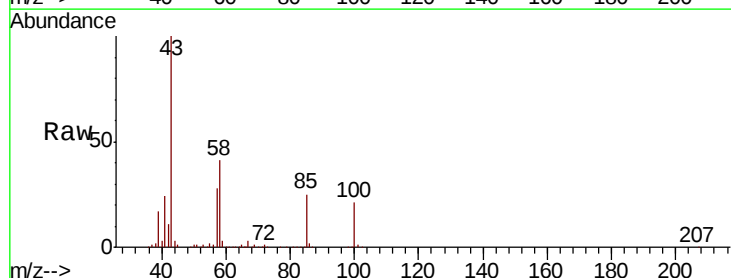
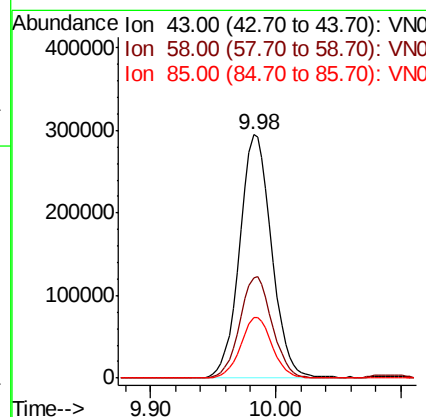
Manual Integrations
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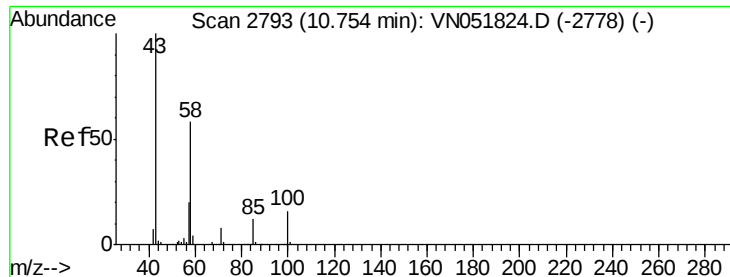
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 91.222 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.2	29.3	43.9
85	24.8	12.6	18.8





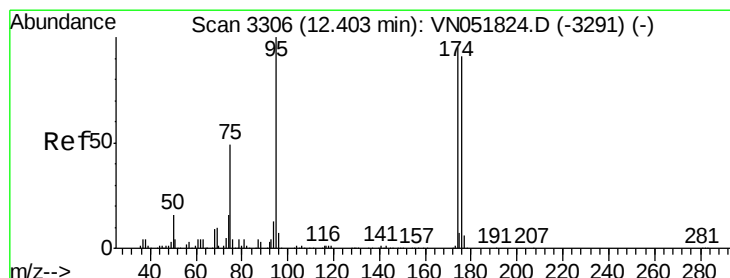
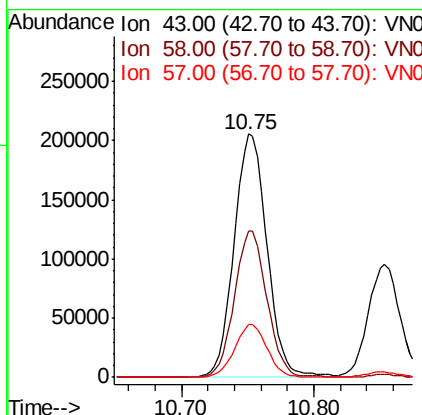
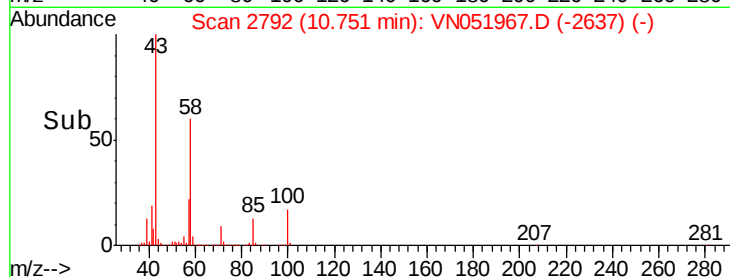
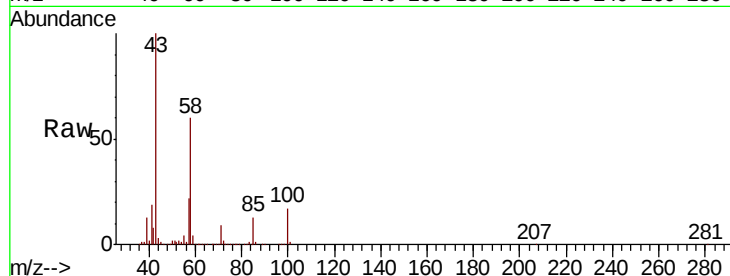
#59
2-Hexanone
Concen: 91.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.9	41.3	61.9
57	21.5	13.4	20.0

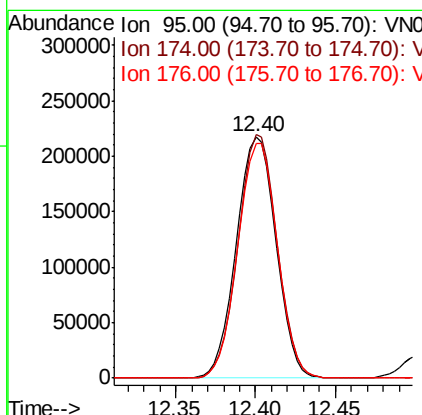
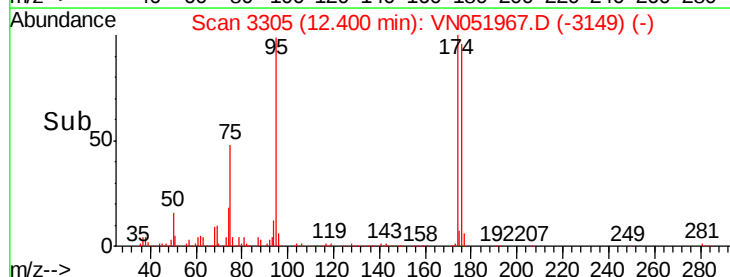
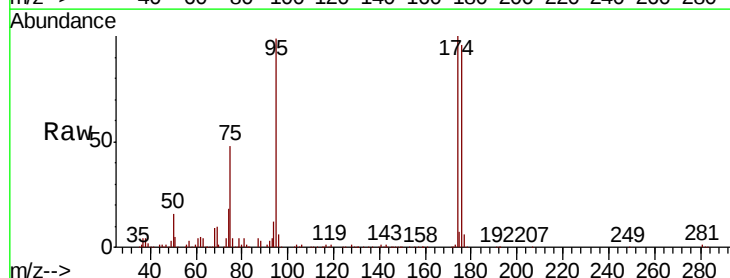
Manual Integrations
APPROVED

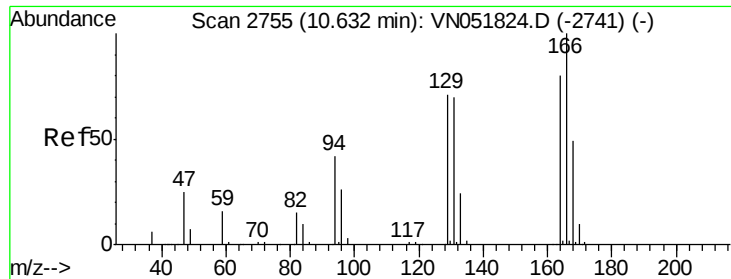
MMDadoda
10/24/2018 10:09:43 AM



#60
4-Bromofluorobenzene
Concen: 91.647 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.9	73.5	110.3
176	97.0	70.2	105.2





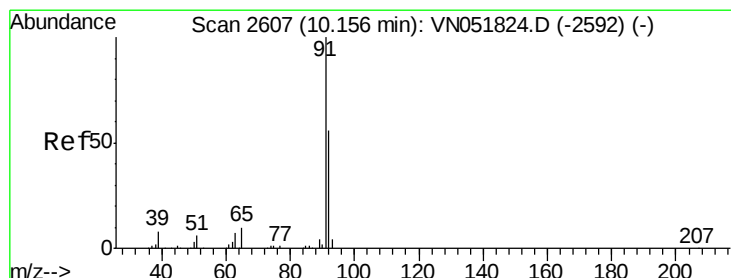
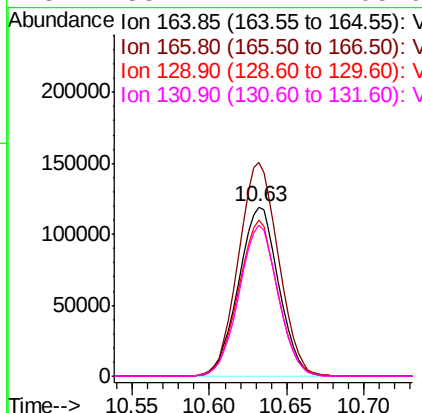
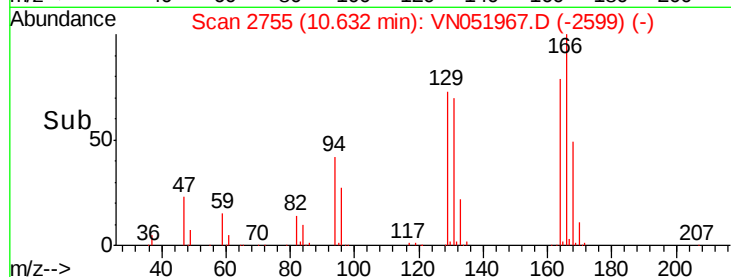
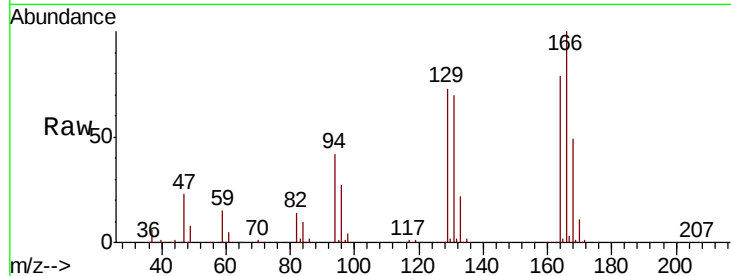
#61
Tetrachloroethene
Concen: 19.662 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.2	98.7	148.1
129	92.1	69.6	104.4
131	88.7	72.4	108.6

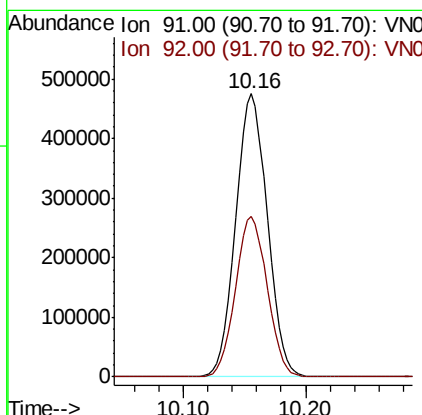
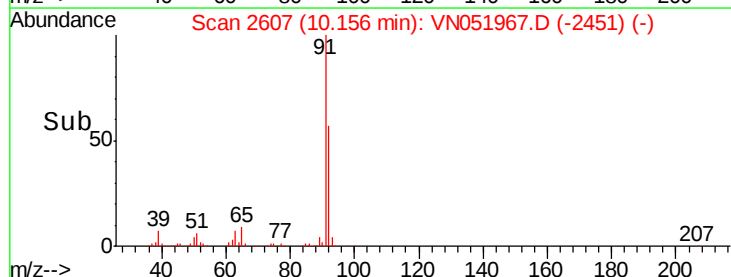
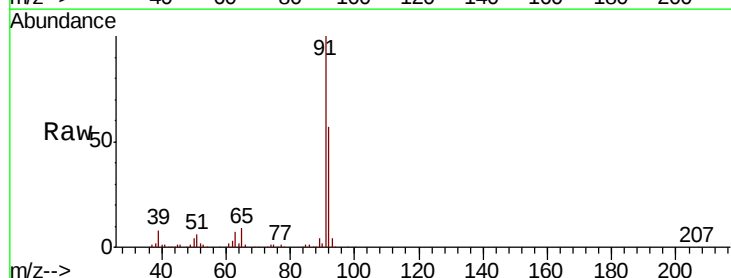
Manual Integrations
APPROVED

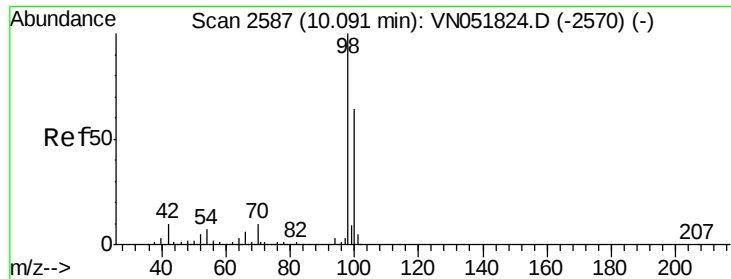
MMDadoda
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#62
Toluene
Concen: 20.118 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	44.6	66.8





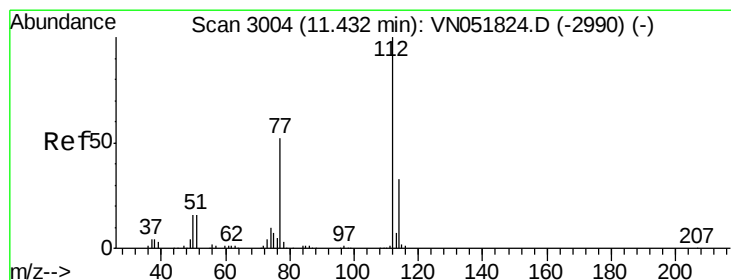
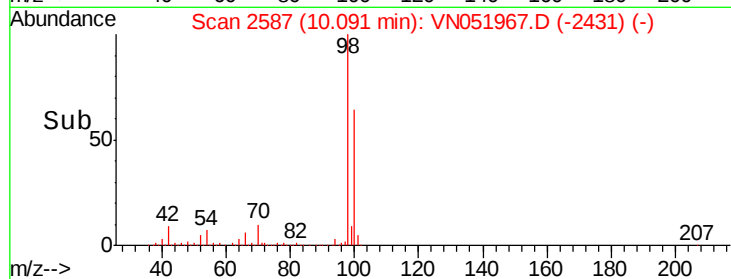
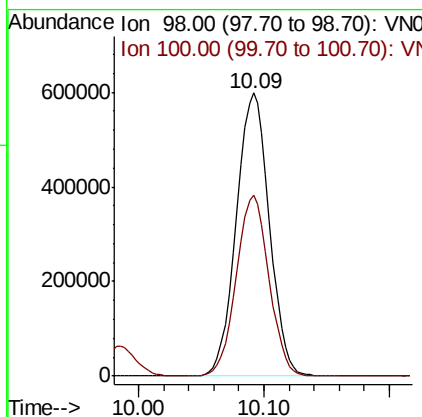
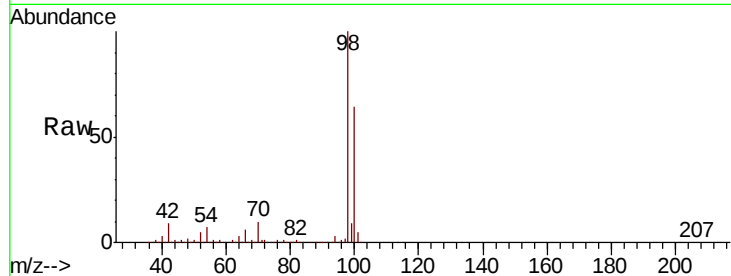
#63
Toluene-d8
Concen: 20.118 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 1094648
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2

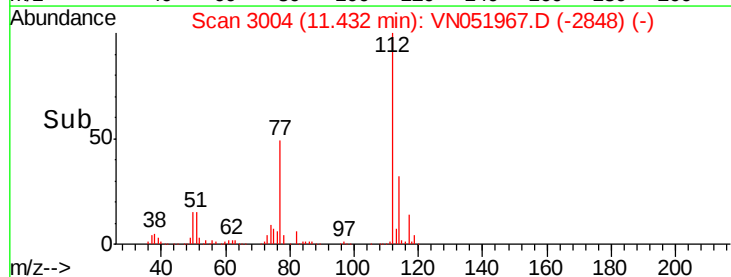
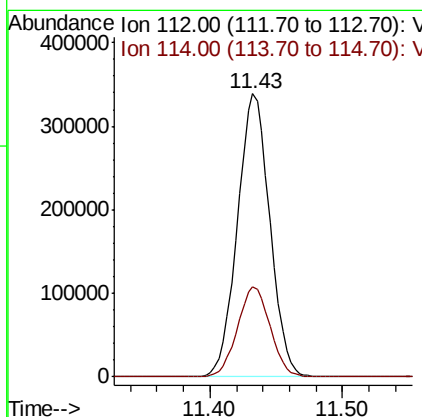
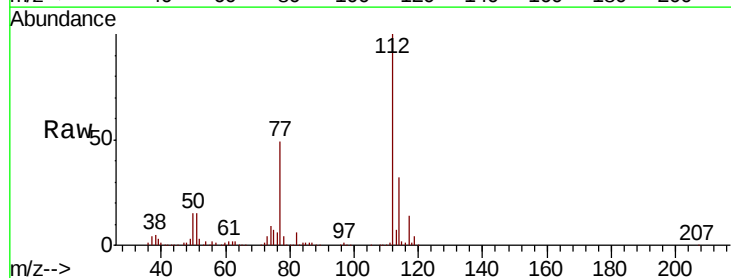
Manual Integrations
APPROVED

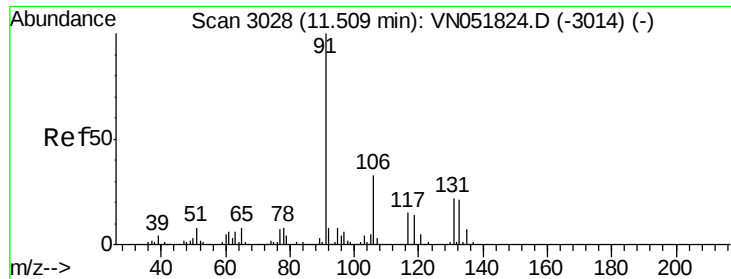
MMDadoda
10/24/2018 10:09:43 AM



#64
Chlorobenzene
Concen: 20.676 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 112 Resp: 574443
Ion Ratio Lower Upper
112 100
114 31.7 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.253 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

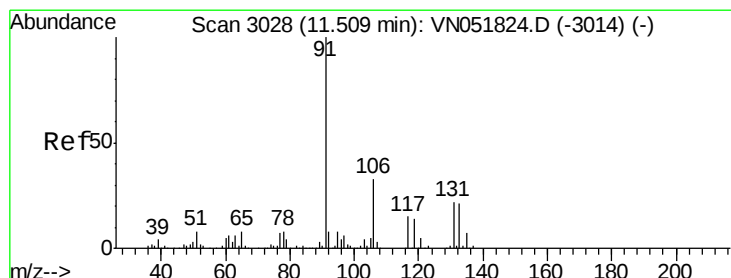
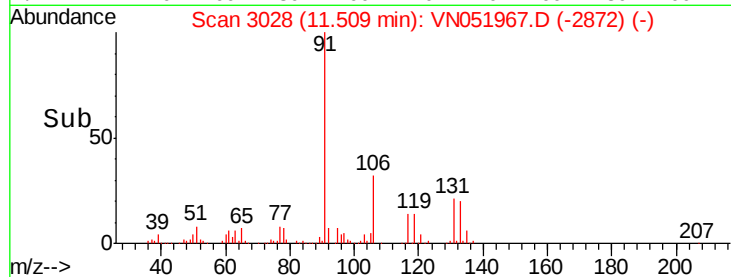
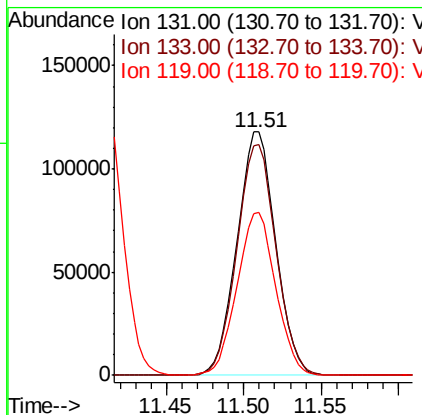
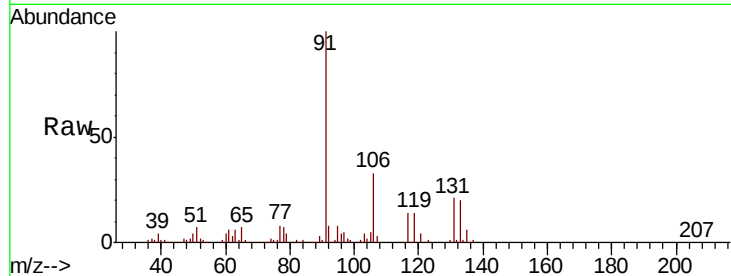
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	205308
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	190.4
119	67.0	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.822 ug/l

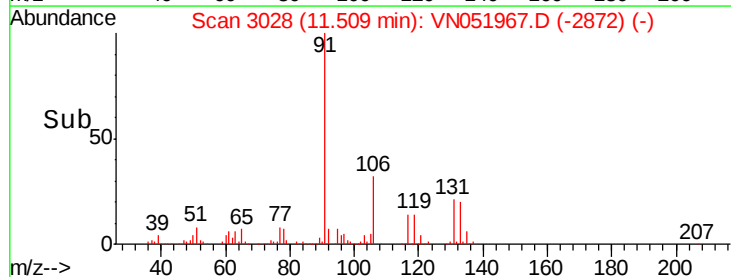
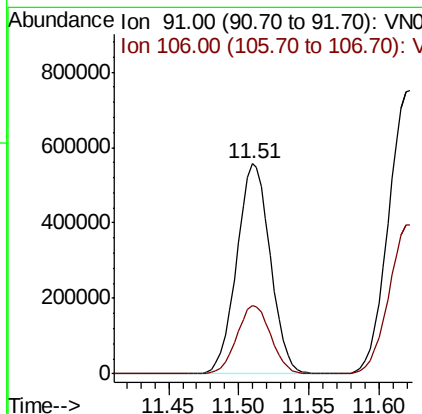
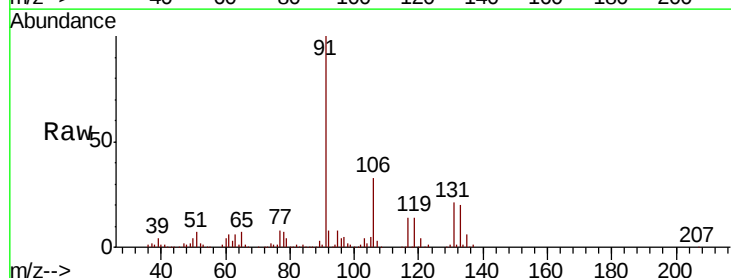
RT: 11.51 min Scan# 3028

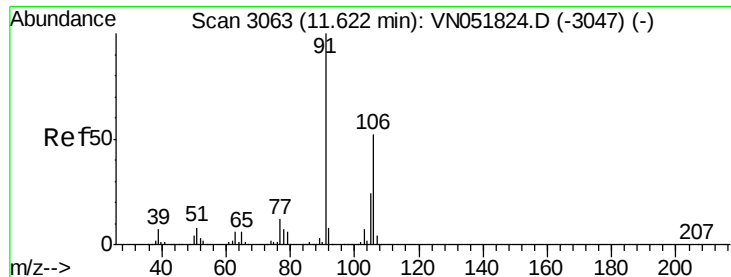
Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Tgt Ion:	91	Resp:	929362
Ion Ratio	Lower	Upper	
91	100		
106	32.6	25.9	38.9





#67

m/p-Xylenes

Concen: 39.583 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 752396

Ion Ratio Lower Upper

106 100

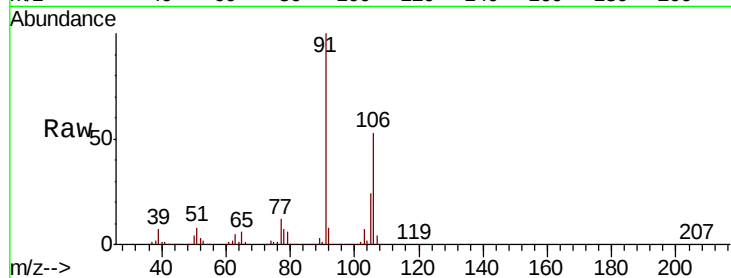
91 191.6 158.8 238.2

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

800000

600000

400000

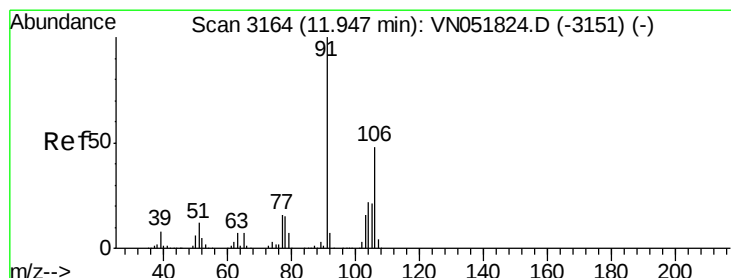
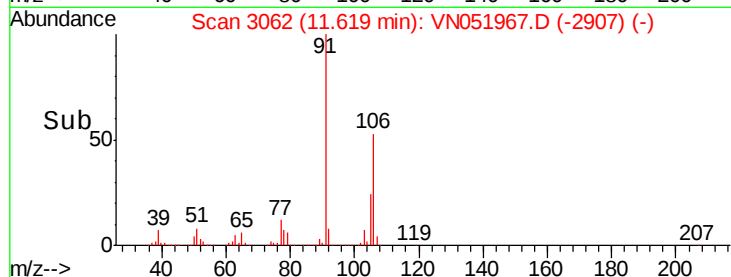
200000

0

11.62

11.70

Time-->



#68

o-Xylene

Concen: 19.844 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051967.D

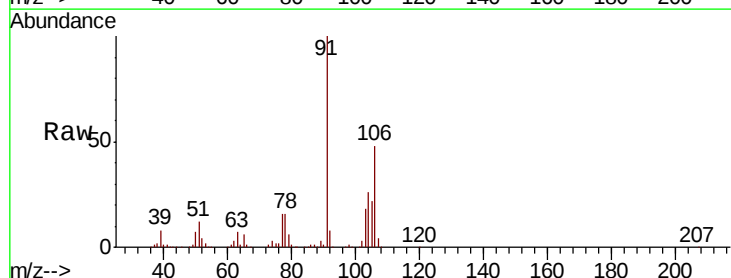
Acq: 23 Oct 2018 16:40

Tgt Ion:106 Resp: 371843

Ion Ratio Lower Upper

106 100

91 200.1 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

500000

400000

300000

200000

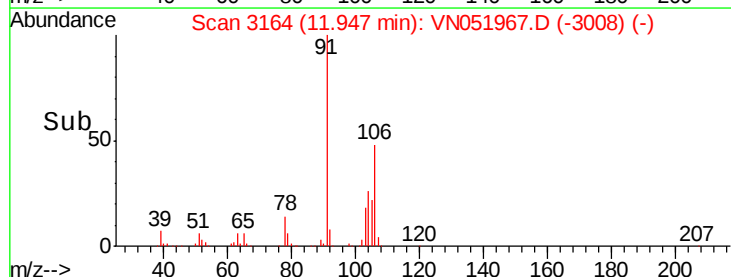
100000

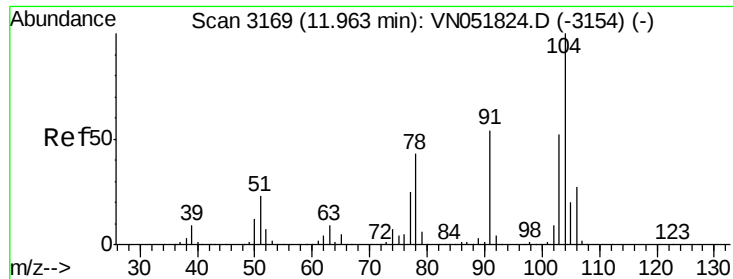
0

11.95

12.00

Time-->





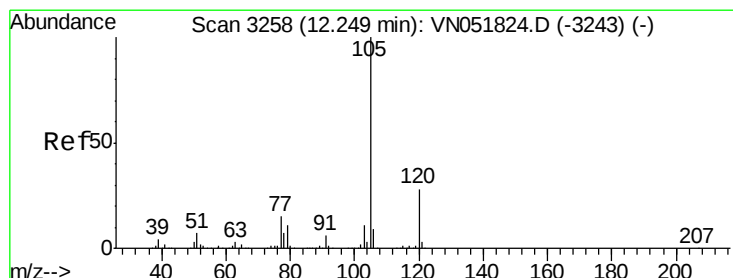
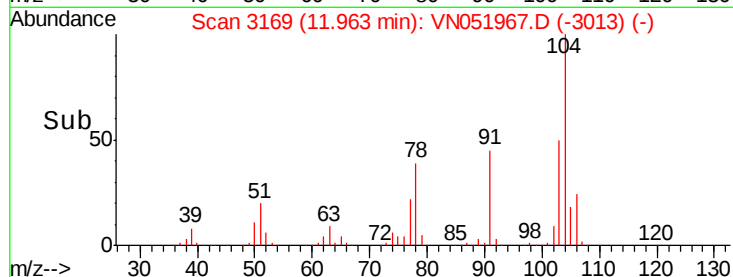
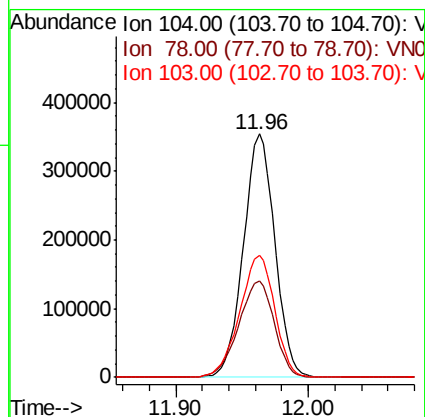
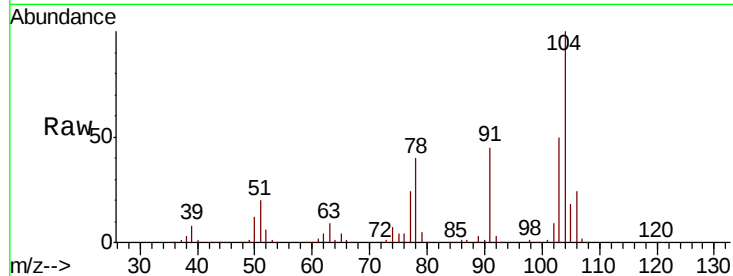
#69
Stvrene
Concen: 20.366 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	44.5	40.6	60.8
103	55.6	44.0	66.0

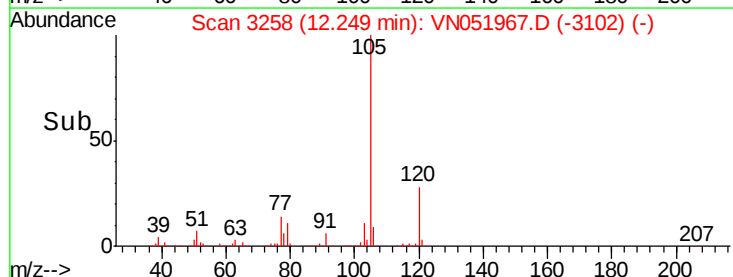
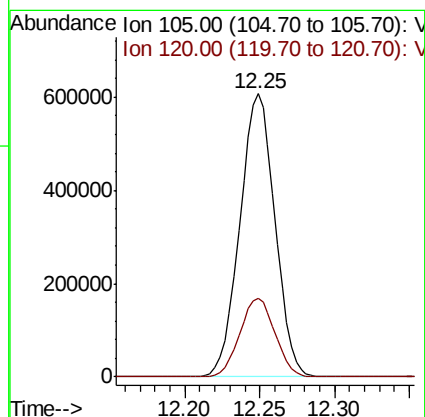
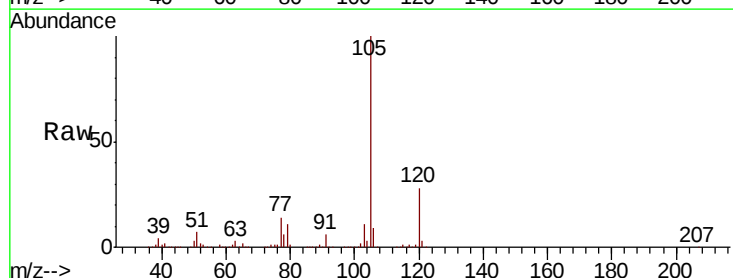
Manual Integrations
APPROVED

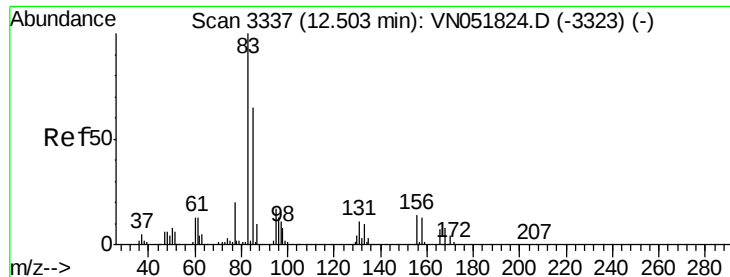
MMDadoda
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#70
Isopropylbenzene
Concen: 19.783 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	19.0	35.4





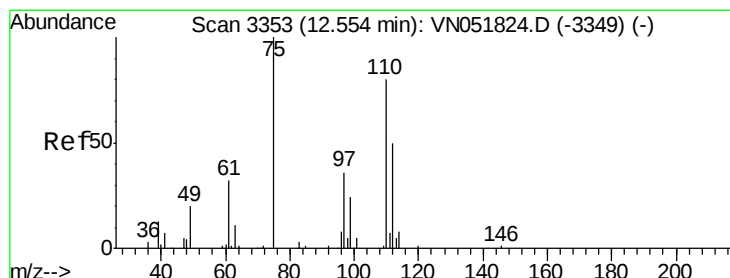
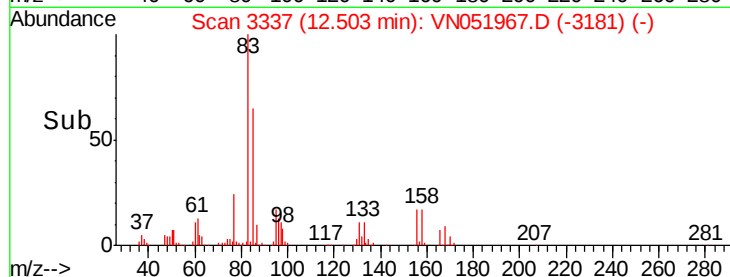
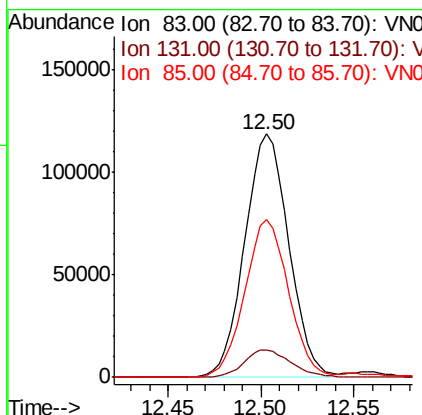
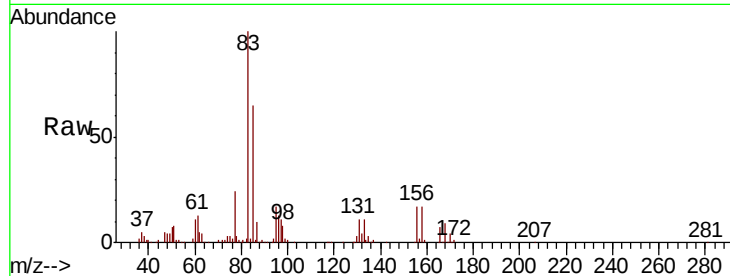
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.958 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	196953		
131	12.1	5.5	16.4	
85	64.5	30.6	91.8	

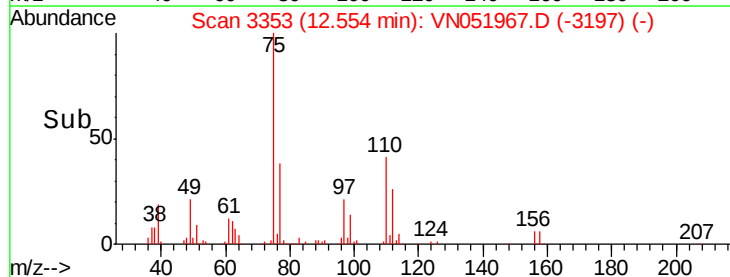
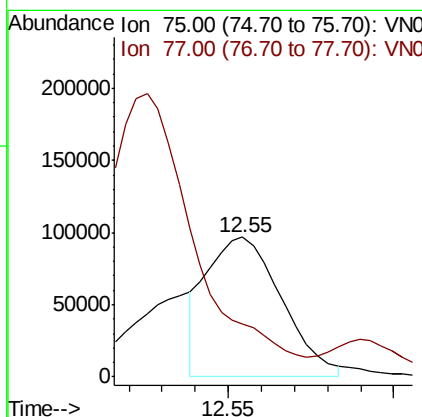
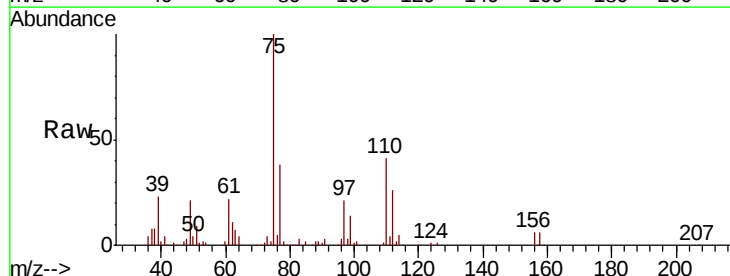
Manual Integrations
 APPROVED

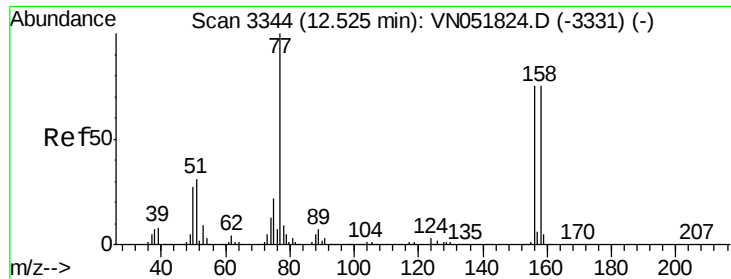
MMDadoda
 10/24/2018 10:09:43 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.655 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152585		
77	250.1	0.0	400.0	





#73

Bromobenzene

Concen: 21.233 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

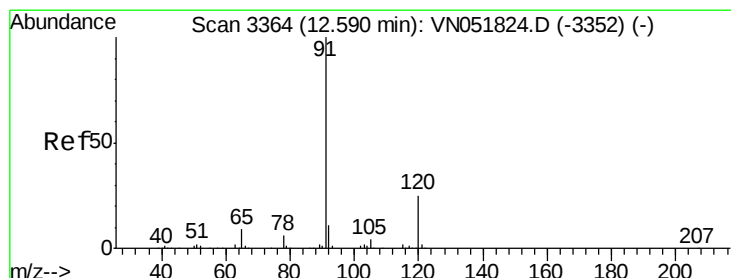
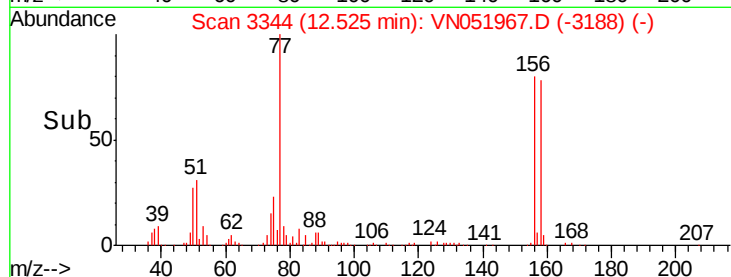
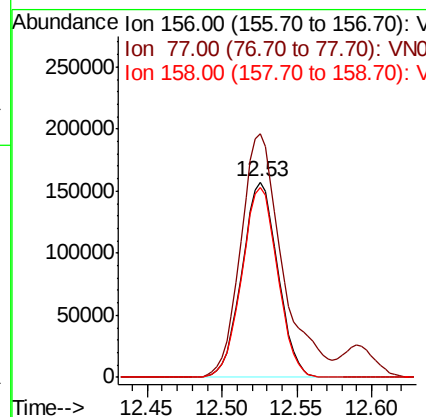
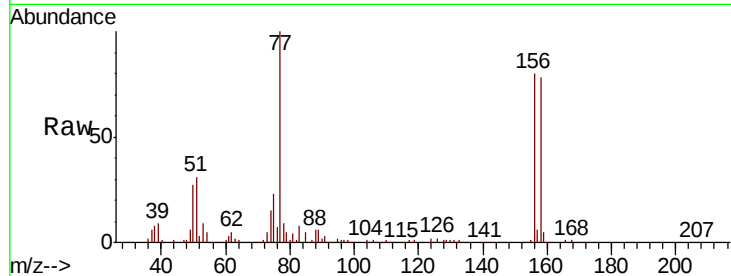
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.2	0.0	377.4
158	96.8	0.0	203.0

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#74

n-propylbenzene

Concen: 19.653 ug/l

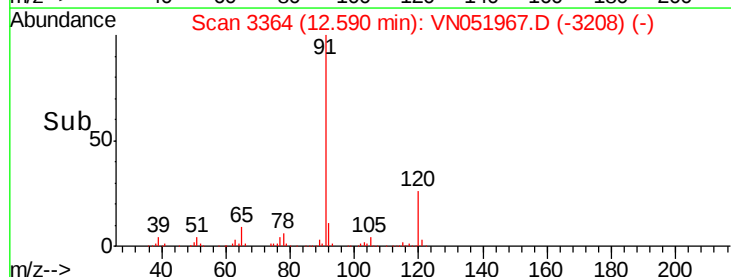
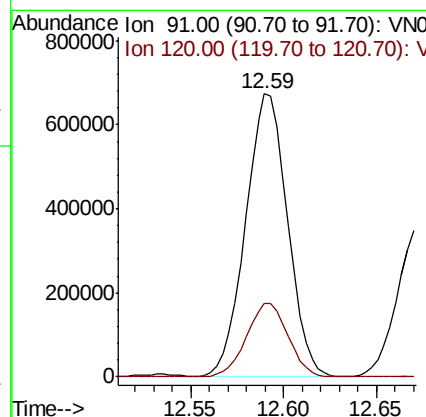
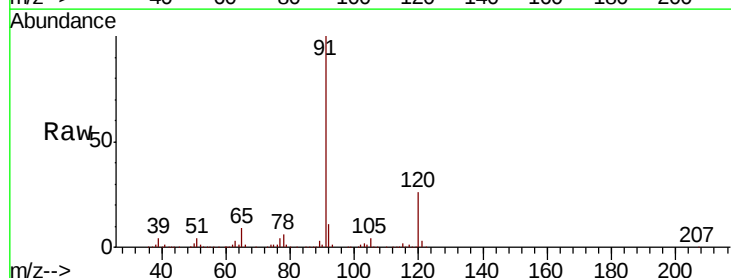
RT: 12.59 min Scan# 3364

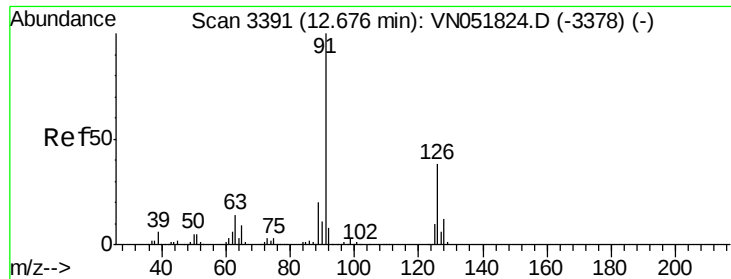
Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.8	0.0	45.0





#75

2-Chlorotoluene

Concen: 19.734 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 621864

Ion Ratio Lower Upper

91 100

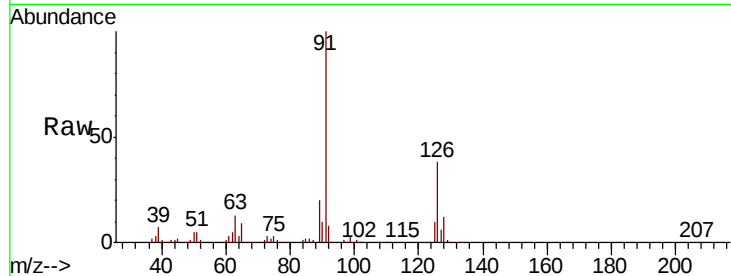
126 38.7 0.0 67.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)

800000

600000

400000

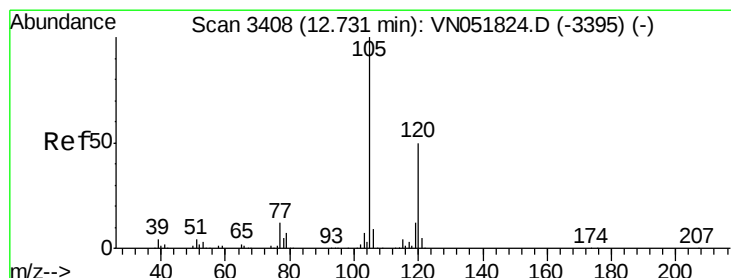
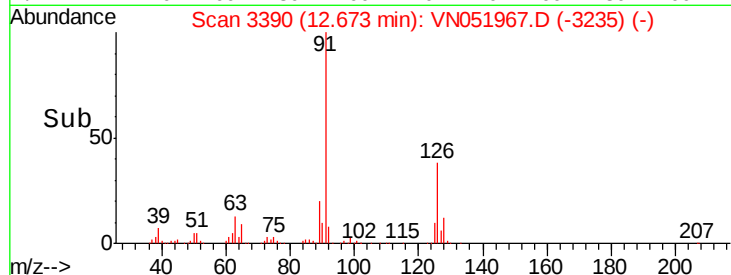
200000

0

12.60 12.65 12.70

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.434 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051967.D

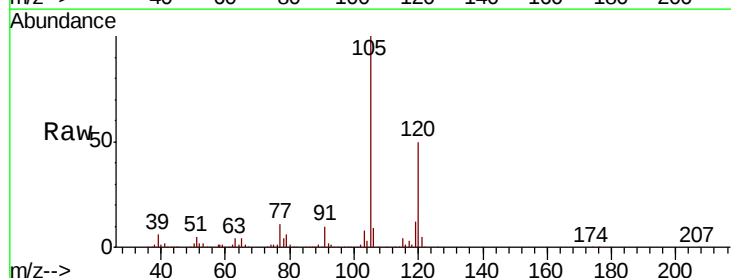
Acq: 23 Oct 2018 16:40

Tgt Ion:105 Resp: 803034

Ion Ratio Lower Upper

105 100

120 50.3 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)

600000

500000

400000

300000

200000

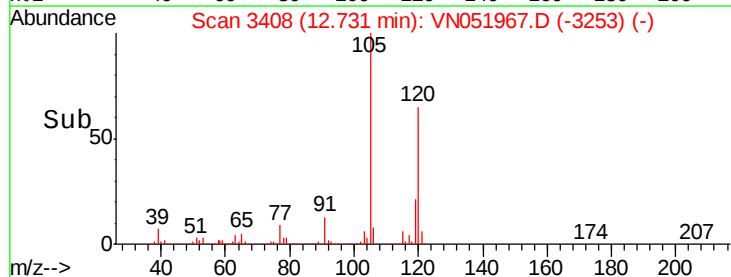
100000

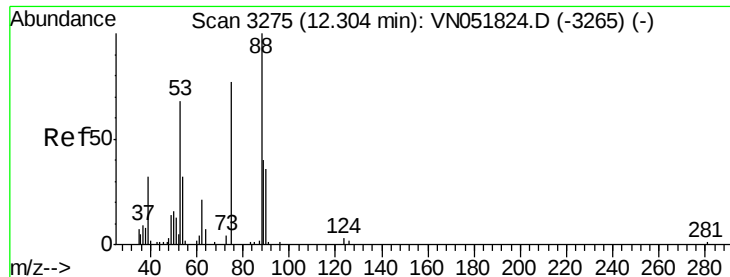
0

12.65 12.70 12.75 12.80

12.73

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.298 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 75 Resp: 39278

Ion Ratio Lower Upper

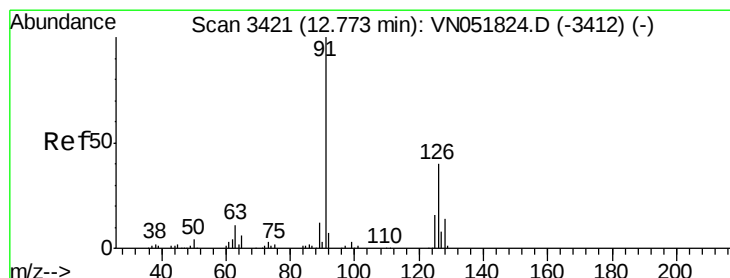
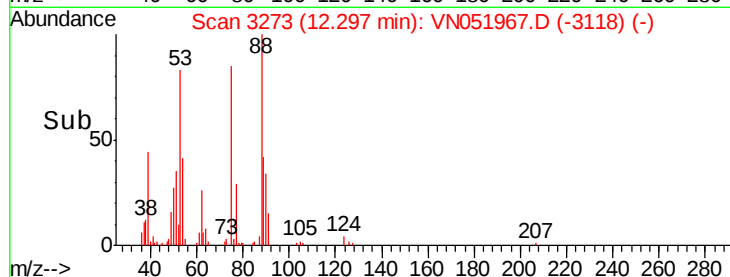
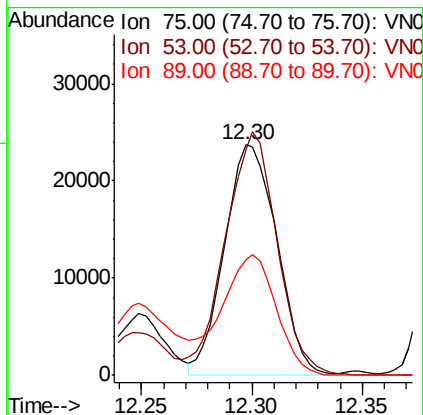
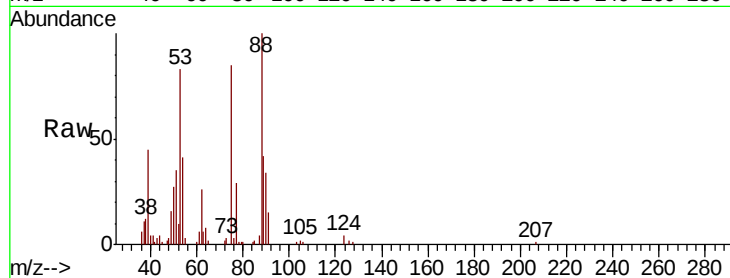
75 100

53 98.0 46.3 138.9

89 50.5 24.6 73.8

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#78

4-Chlorotoluene

Concen: 20.653 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051967.D

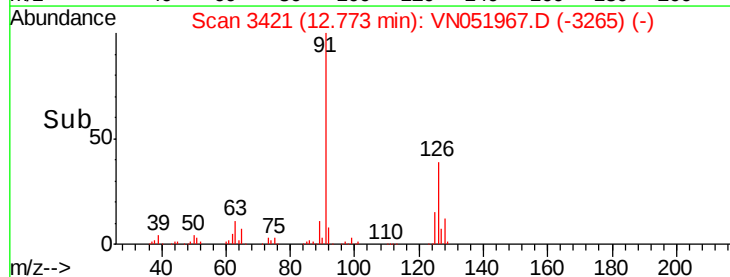
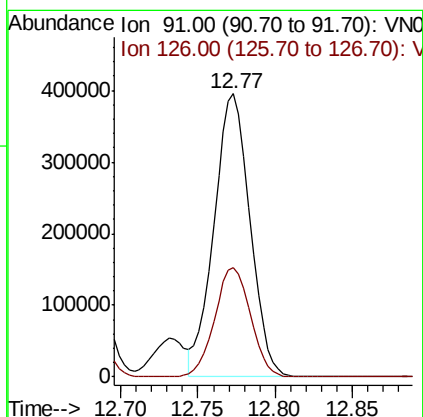
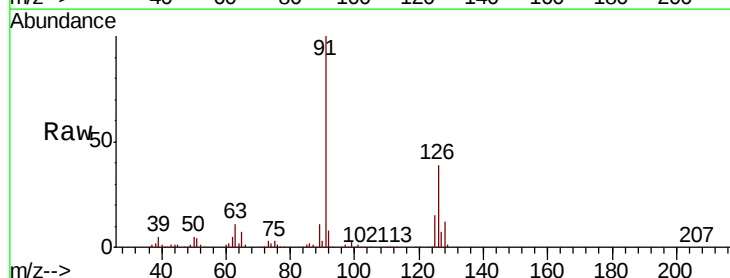
Acq: 23 Oct 2018 16:40

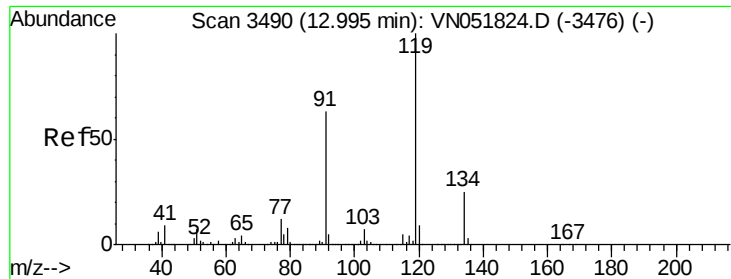
Tgt Ion: 91 Resp: 639434

Ion Ratio Lower Upper

91 100

126 38.4 0.0 65.2





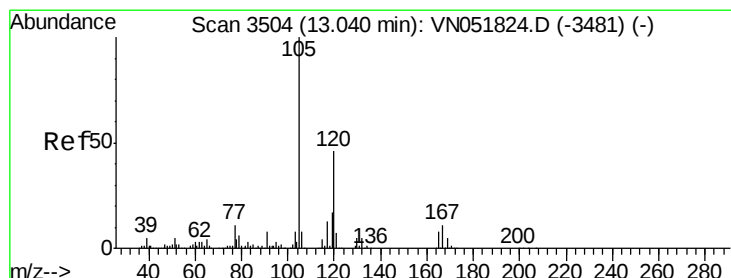
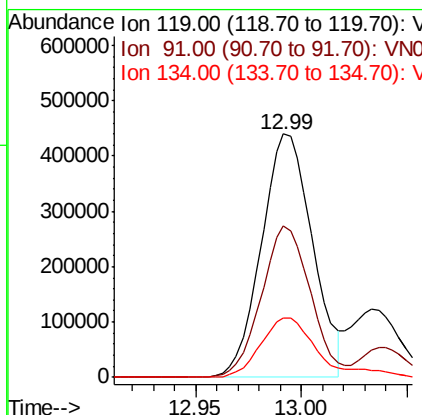
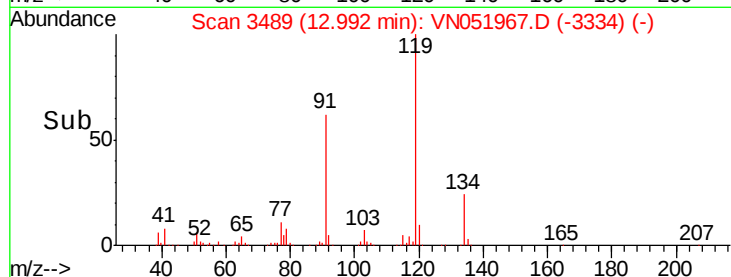
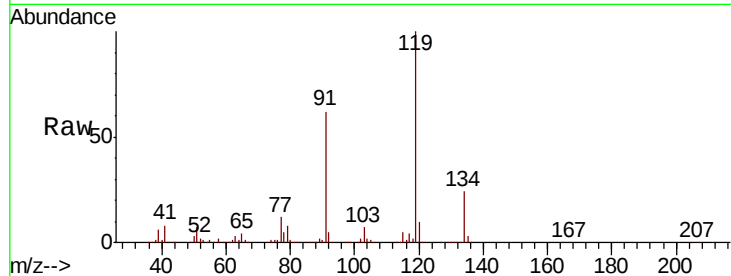
#79
tert-butylbenzene
Concen: 19.523 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	741895		
91	59.7	0.0	131.6	
134	25.2	0.0	46.2	

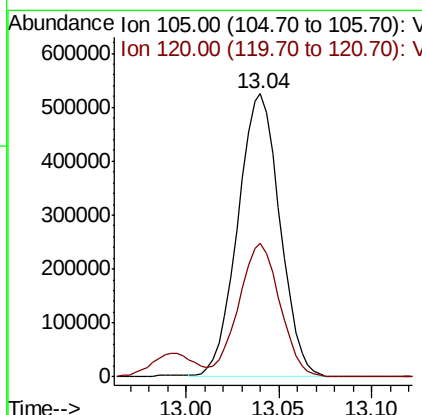
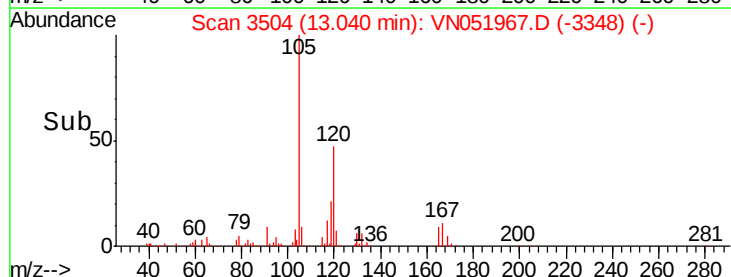
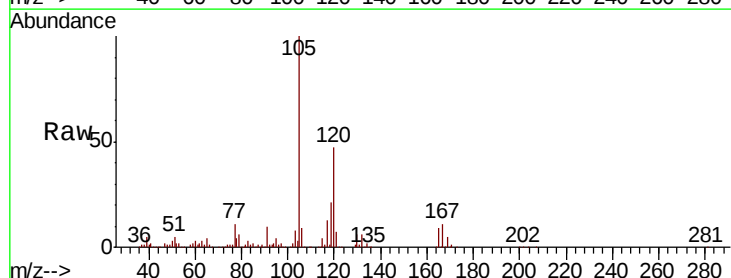
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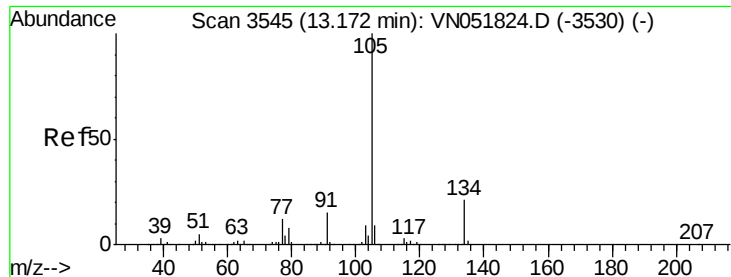
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.992 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	825626		
120	46.5	0.0	89.6	





#81

sec-Butylbenzene

Concen: 19.643 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 976491

Ion Ratio Lower Upper

105 100

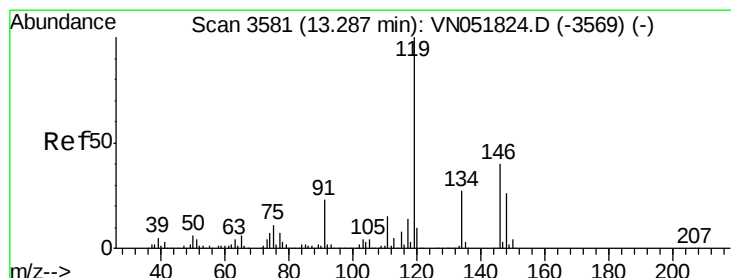
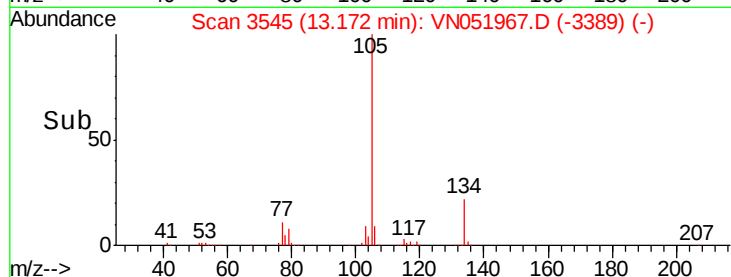
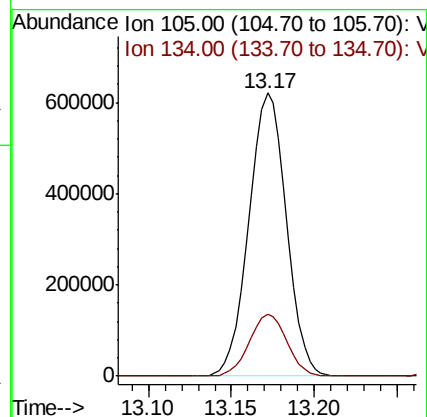
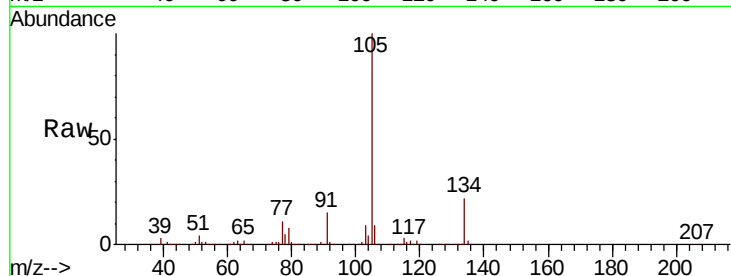
134 21.9 0.0 39.4

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#82

p-Isopropyltoluene

Concen: 19.874 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

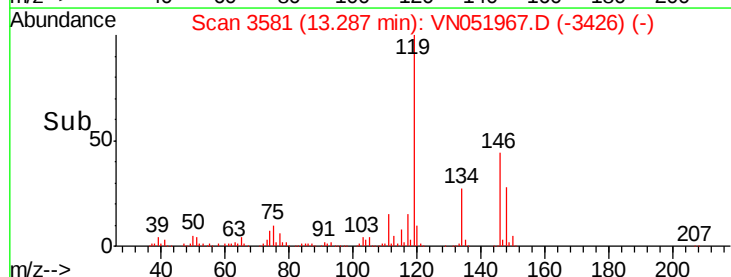
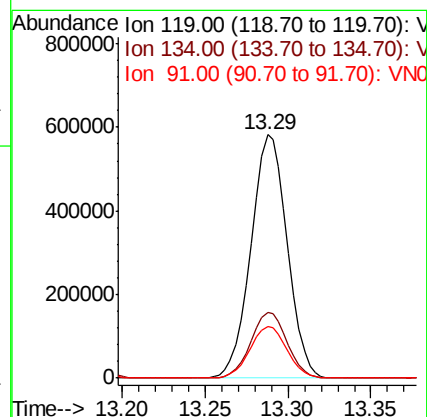
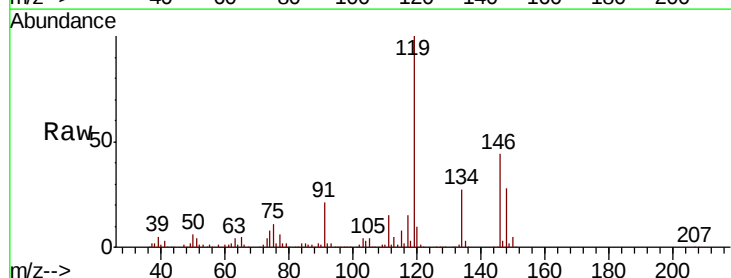
Tgt Ion:119 Resp: 884083

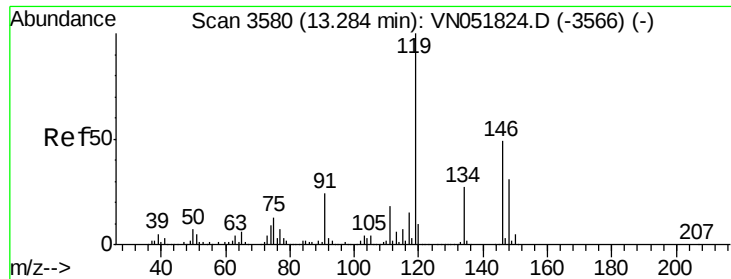
Ion Ratio Lower Upper

119 100

134 27.1 0.0 53.6

91 21.7 0.0 52.0





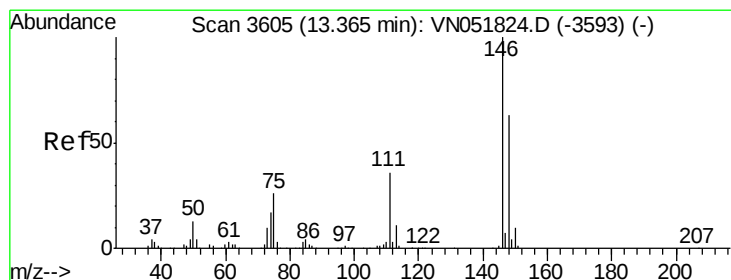
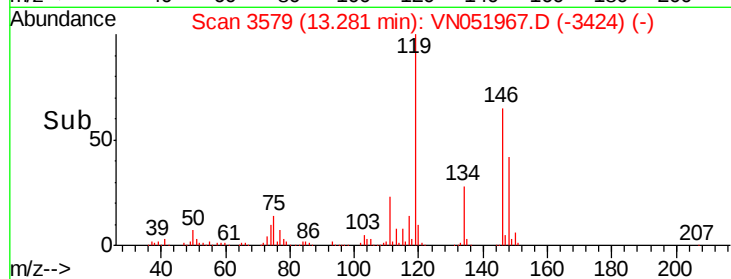
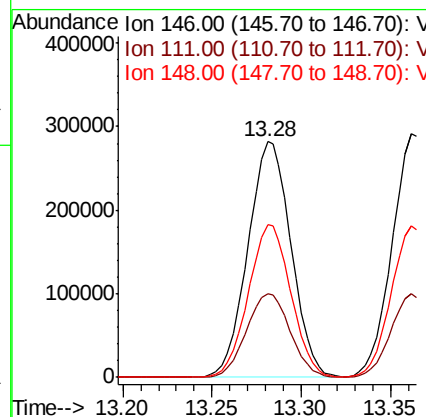
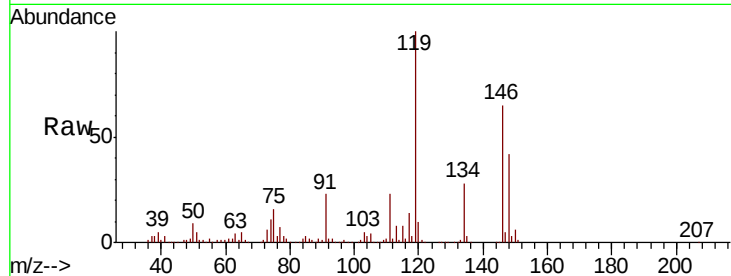
#83
 1,3-Dichlorobenzene
 Concen: 21.859 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.3
148	63.8	31.3	93.8

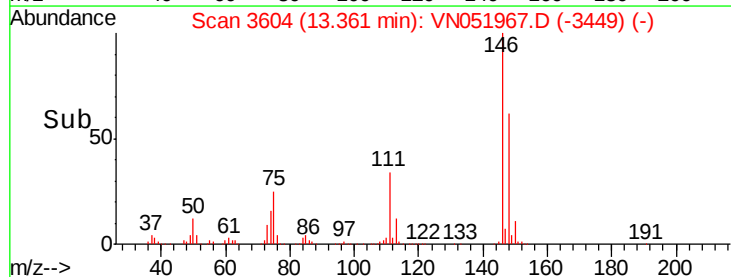
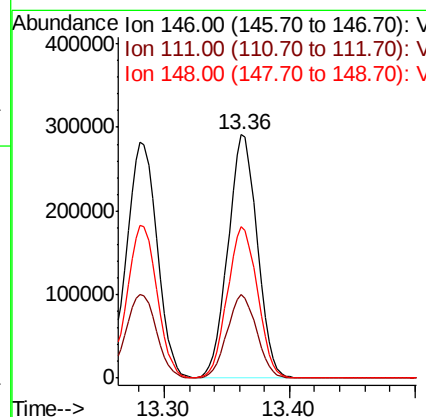
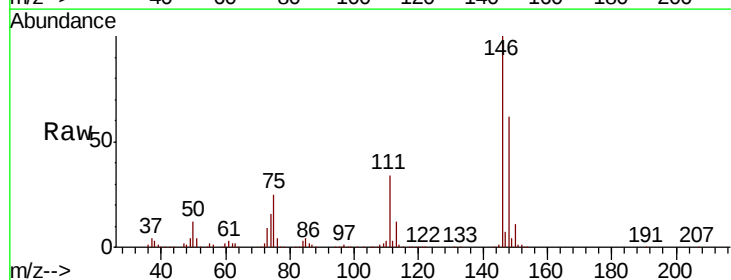
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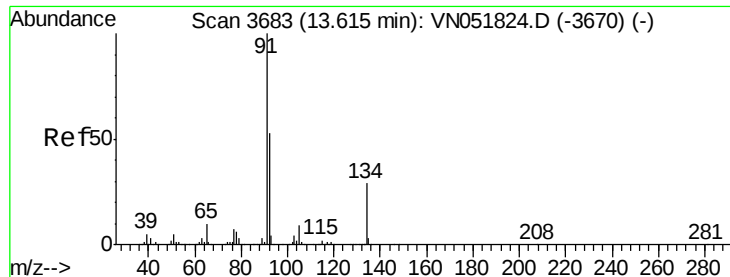
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 22.920 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.4	52.2
148	64.1	32.8	98.3





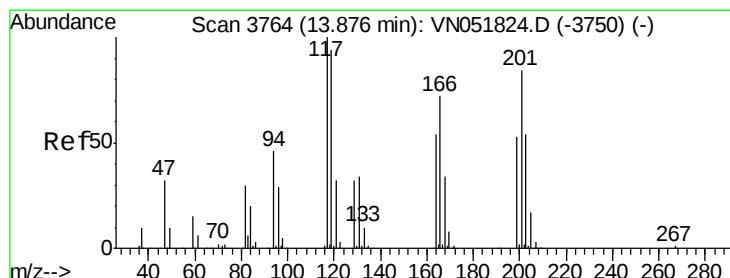
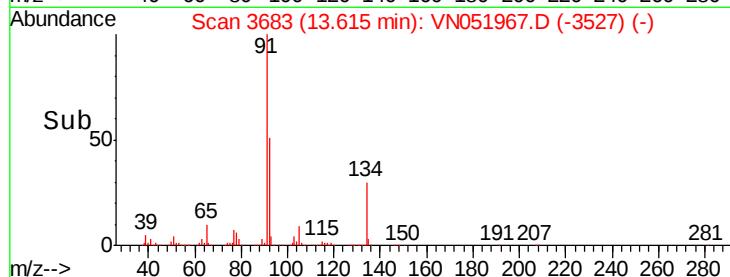
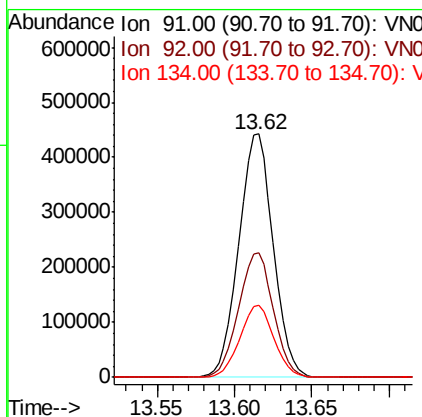
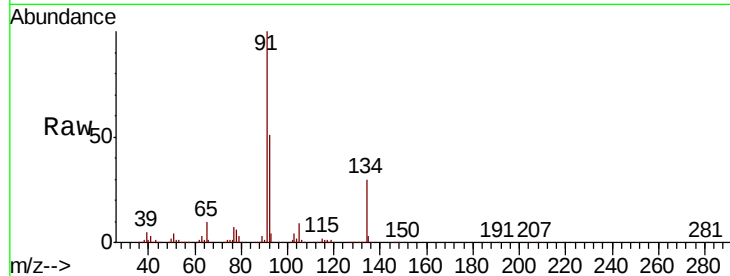
#85
n-Butylbenzene
Concen: 20.380 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	97.4
134	29.2	0.0	49.6

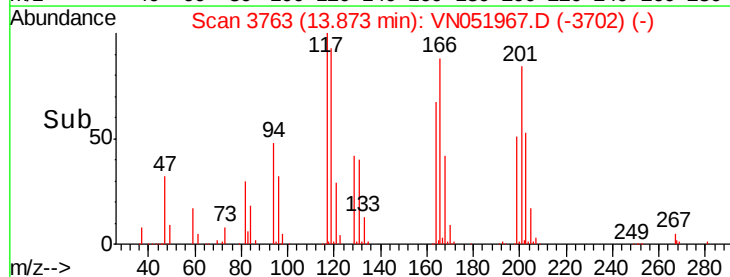
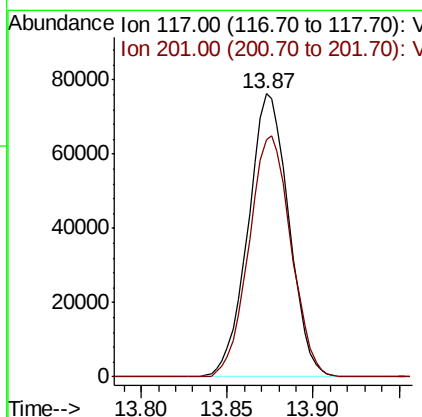
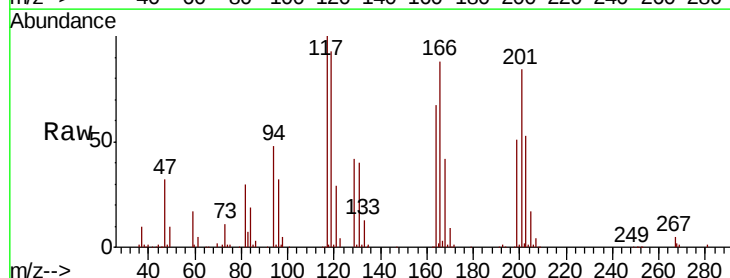
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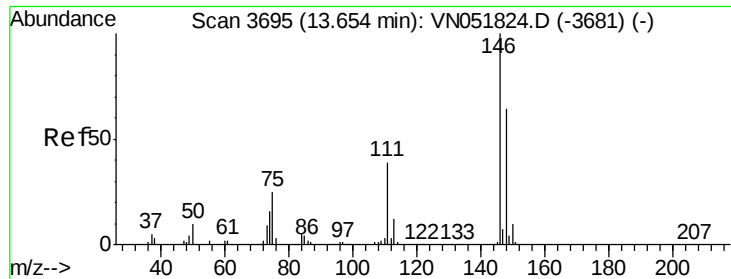
MMDadoda
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#86
Hexachloroethane
Concen: 16.276 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	47.8	143.3





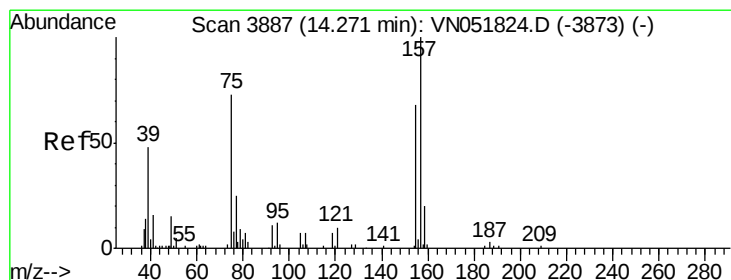
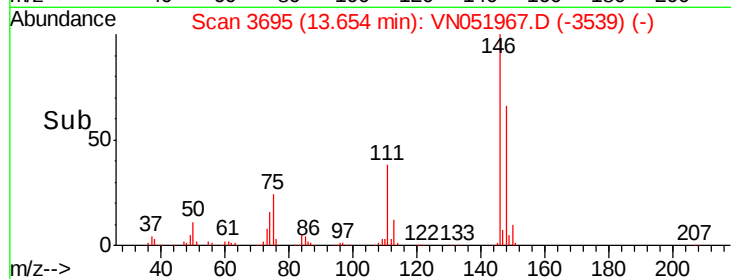
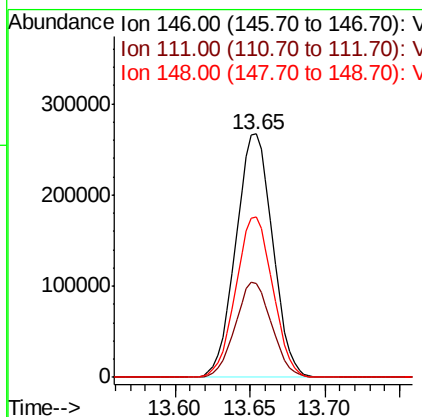
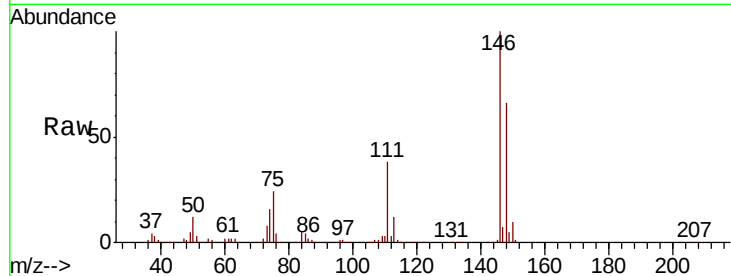
#87
 1,2-Dichlorobenzene
 Concen: 21.624 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	66.2	33.2	99.6

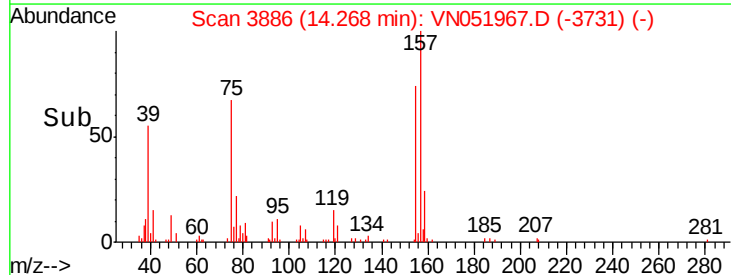
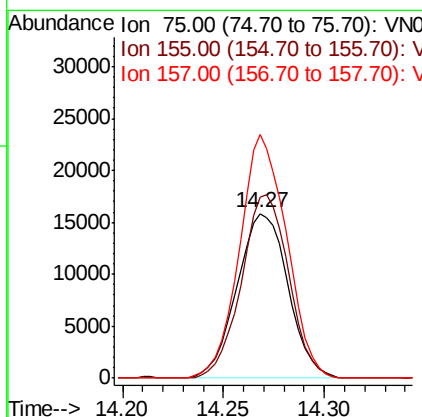
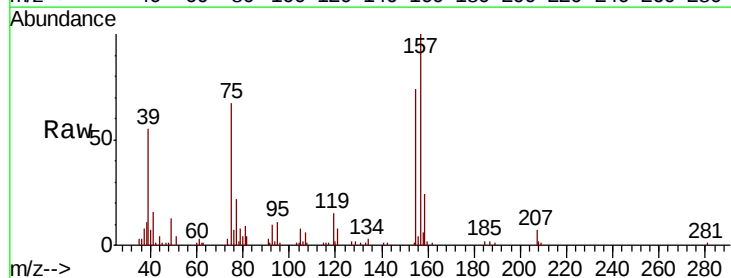
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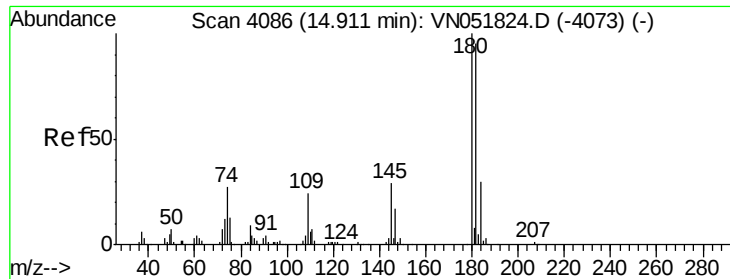
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.071 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.2	57.0	85.6#
157	136.2	87.4	131.0#





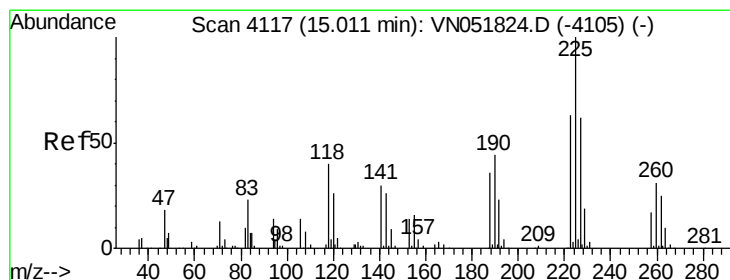
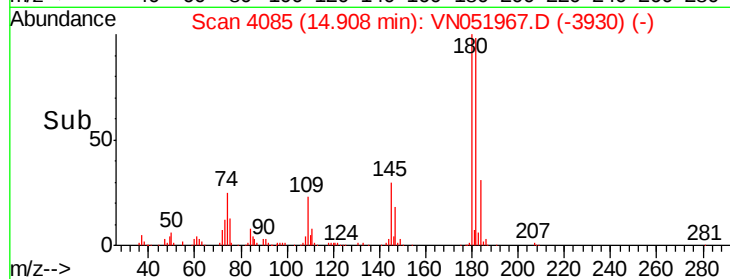
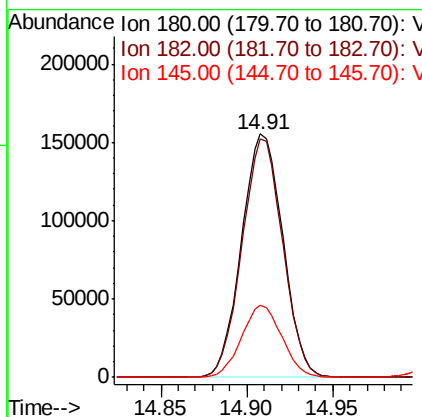
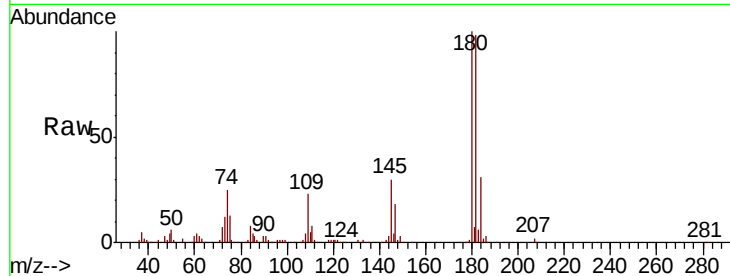
#89
 1,2,4-Trichlorobenzene
 Concen: 26.293 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.7	116.5
145	28.9	23.4	35.2

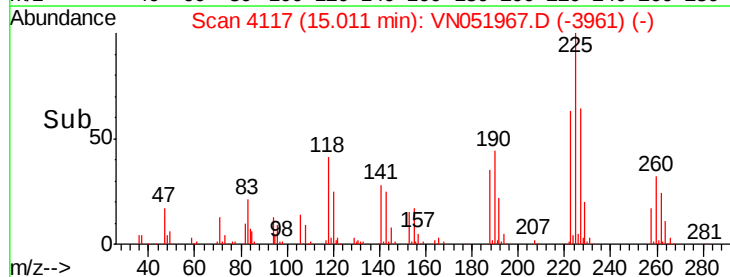
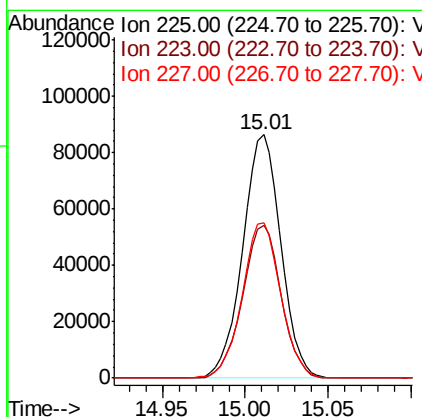
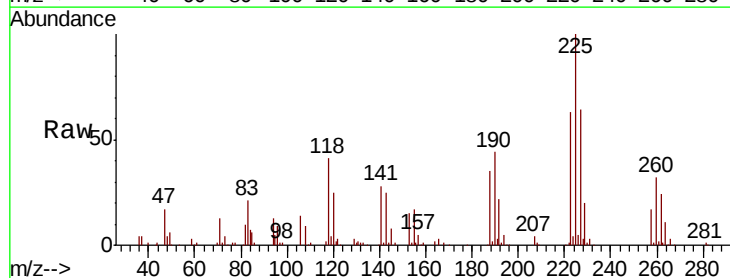
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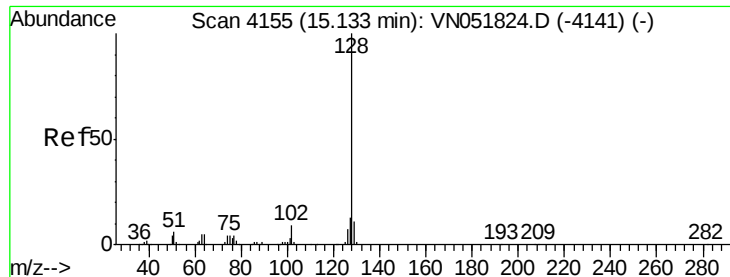
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#90
 Hexachlorobutadiene
 Concen: 20.334 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	117.0
227	64.4	0.0	127.0





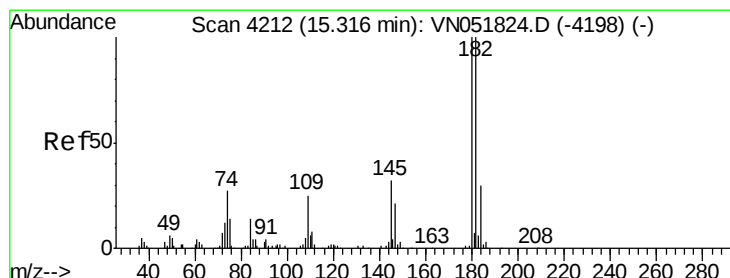
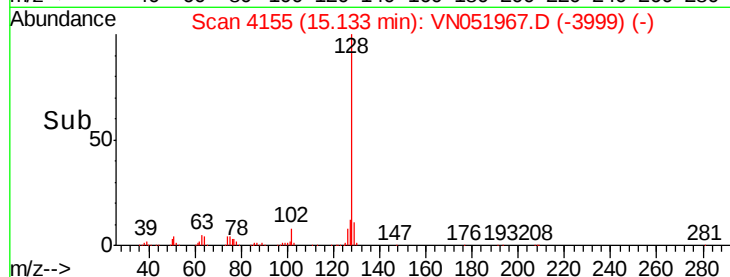
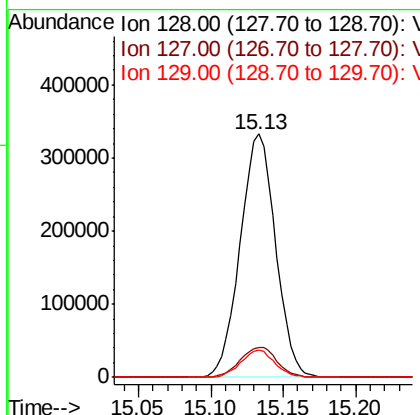
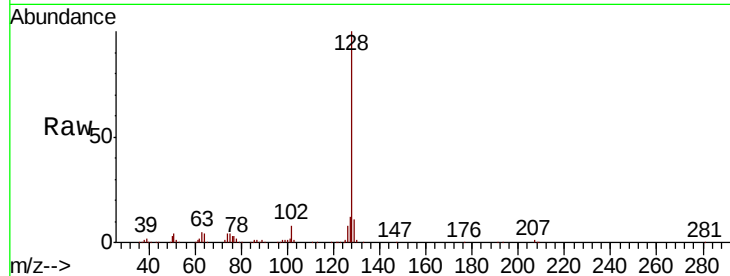
#91
Naphthalene
Concen: 28.105 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.4	12.6

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 25.646 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	198.0
145	31.6	0.0	36.8

