

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051474.D
 Acq On : 25 Sep 2018 10:00
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:26 AM

Quant Time: Sep 26 01:42:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	106713	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	563895	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	509359	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	214050	29.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.13%
60) 4-Bromofluorobenzene	12.40	95	235362	31.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.90%
63) Toluene-d8	10.09	98	728819	29.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	225660	49.374	ug/l 98
3) Chloromethane	2.06	50	416662	53.023	ug/l 99
4) Vinyl Chloride	2.19	62	452346	53.948	ug/l 100
5) Bromomethane	2.57	94	280040	51.101	ug/l 89
6) Chloroethane	2.70	64	286044	55.345	ug/l 99
7) Trichlorofluoromethane	3.02	101	578249	53.130	ug/l 97
8) Diethyl Ether	3.41	74	174776	53.411	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	306376	55.435	ug/l # 41
10) 1,1-Dichloroethene	3.74	96	278368	55.294	ug/l 100
11) Methyl Iodide	3.95	142	444486	59.875	ug/l 97
12) Methyl Acetate	4.33	43	239316	54.085	ug/l 92
13) Acrolein	3.61	56	165410	280.348	ug/l 91
14) Acrylonitrile	4.99	53	513962	285.947	ug/l # 60
15) Acetone	3.82	58	119164	269.187	ug/l 87
16) Carbon Disulfide	4.05	76	857659	53.711	ug/l 98
17) Allyl chloride	4.33	41	498281	56.068	ug/l 97
18) Methylene Chloride	4.55	84	335936	55.876	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	306451	56.233	ug/l 96
20) Diisopropyl ether	5.95	45	1052885	59.668	ug/l # 84
21) 1,1-Dichloroethane	5.85	63	602284	56.663	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	343942	56.402	ug/l 98
23) tert-Butyl Alcohol	4.79	59	92109	272.129	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	783103	57.114	ug/l # 62
25) Chloroform	7.37	83	607680	57.319	ug/l 97
26) Cyclohexane	7.65	56	535536	59.180	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	471576	59.394	ug/l 99
30) 2-Butanone	6.84	43	585360	285.416	ug/l # 99
31) 2,2-Dichloropropane	6.82	77	488254	57.651	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	523909	57.800	ug/l 98
33) Carbon Tetrachloride	7.77	117	480763	57.805	ug/l 91
34) Benzene	8.04	78	1370295	58.131	ug/l # 63
35) Methacrylonitrile	7.19	41	169708m	57.422	ug/l
36) 1,2-Dichloroethane	8.13	62	442341	57.630	ug/l 99
37) Trichloroethene	8.84	130	359145	57.484	ug/l 99
38) Methylcyclohexane	9.08	83	538753	58.535	ug/l 94
39) 1,2-Dichloropropane	9.12	63	376075	58.647	ug/l 95
40) Dibromomethane	9.21	93	211646	57.989	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	468652	58.404	ug/l	93
42) Vinyl Acetate	5.90	43	3441137	301.744	ug/l	98
43) Ethyl Acetate	6.93	43	266817	62.527	ug/l	97
44) Isopropyl Acetate	8.17	43	480104	58.498	ug/l	100
45) 1,4-Dioxane	9.20	88	59979	1201.254	ug/l	90
46) Methyl methacrylate	9.20	41	243178	59.833	ug/l	97
47) n-amyl Acetate	12.07	43	406074	61.918	ug/l #	72
48) t-1,3-Dichloropropene	10.38	75	461448	57.911	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	548471	59.465	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	302034	57.878	ug/l	93
51) Ethyl methacrylate	10.43	69	375780	60.844	ug/l	97
52) 1,3-Dichloropropane	10.71	76	518693	58.917	ug/l	98
53) Dibromochloromethane	10.90	129	355307	59.191	ug/l	96
54) 1,2-Dibromoethane	11.00	107	294574	58.503	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	939371	308.019	ug/l	99
56) Bromoform	12.12	173	240283	59.375	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	1336746	298.621	ug/l	95
59) 2-Hexanone	10.75	43	876567	297.527	ug/l	95
61) Tetrachloroethene	10.63	164	345683	58.334	ug/l	96
62) Toluene	10.16	91	1517900	58.211	ug/l	98
64) Chlorobenzene	11.43	112	927678	58.027	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	356933	57.746	ug/l	99
66) Ethyl Benzene	11.51	91	1608929	59.810	ug/l	98
67) m/p-Xylenes	11.62	106	1273116	122.934	ug/l	99
68) o-Xylene	11.95	106	597004	60.527	ug/l	95
69) Styrene	11.96	104	964121	61.879	ug/l	99
70) Isopropylbenzene	12.25	105	1620720	61.397	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	356094	57.307	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	316748m	64.640	ug/l	
73) Bromobenzene	12.53	156	393161	59.098	ug/l	96
74) n-propylbenzene	12.59	91	1867743	60.861	ug/l	98
75) 2-Chlorotoluene	12.67	91	1094381	60.428	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	1359568	62.419	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	100279	59.341	ug/l	97
78) 4-Chlorotoluene	12.77	91	1098028	61.128	ug/l	97
79) tert-butylbenzene	12.99	119	1162286	61.288	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1376785	62.876	ug/l	99
81) sec-Butylbenzene	13.17	105	1611258	61.763	ug/l	99
82) p-Isopropyltoluene	13.29	119	1414440	62.807	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	701037	60.078	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	663341	60.528	ug/l	98
85) n-Butylbenzene	13.61	91	1159418	62.705	ug/l	97
86) Hexachloroethane	13.87	117	259912	57.596	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	668700	60.451	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	52569	57.321	ug/l #	90
89) 1,2,4-Trichlorobenzene	14.91	180	337322	61.220	ug/l	99
90) Hexachlorobutadiene	15.01	225	249760	58.487	ug/l	97
91) Naphthalene	15.13	128	600609	57.768	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	338856	60.920	ug/l	93

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Instrument :
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ClientSampleId :
VSTDICC050

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

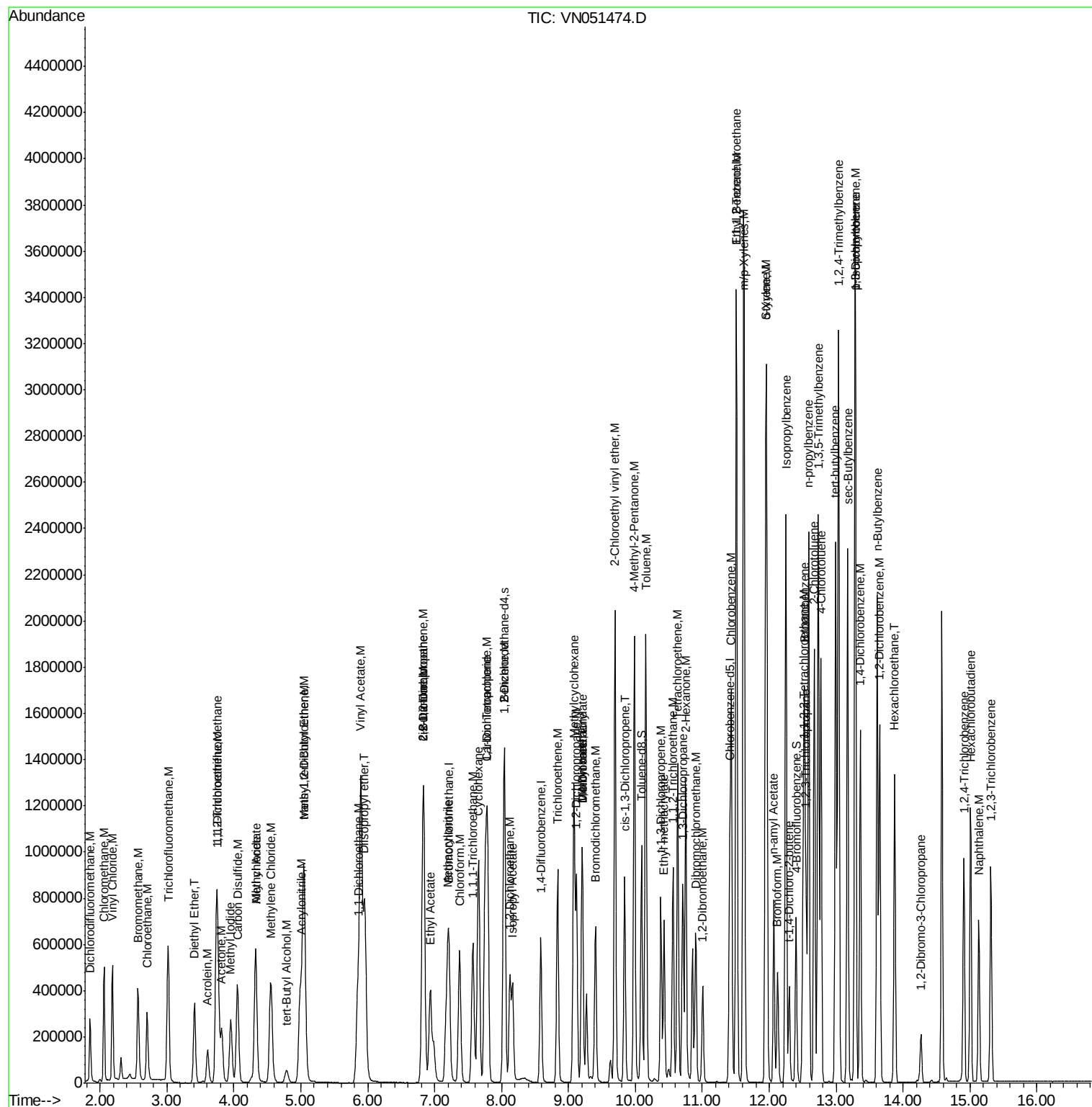
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
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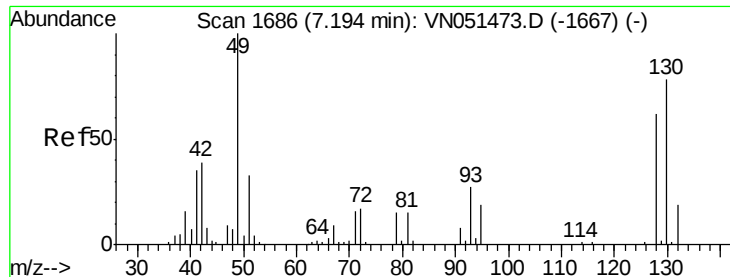
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

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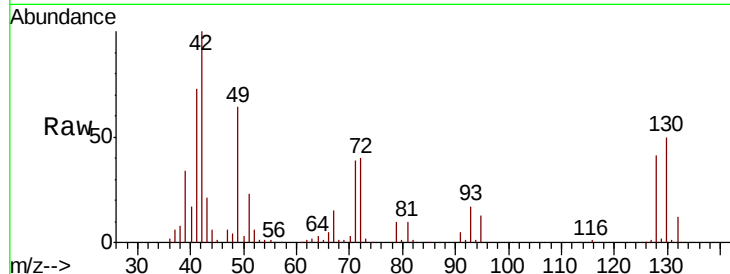
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	160.7	0.0	403.3
130	124.3	0.0	326.0

Manual Integrations
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10/1/2018 11:21:26 AM

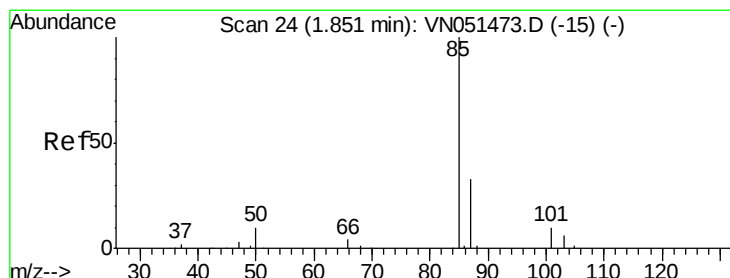
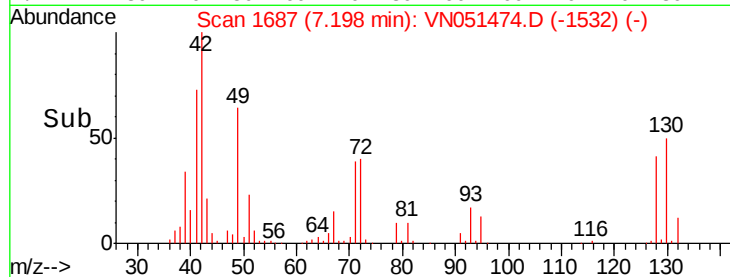
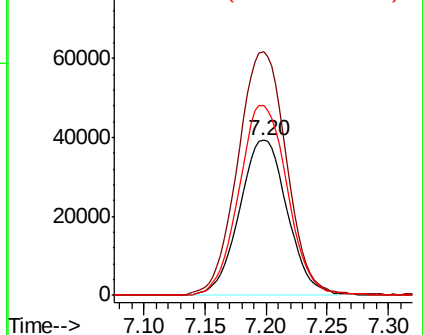


Abundance

Ion 128.00 (127.70 to 128.70): V

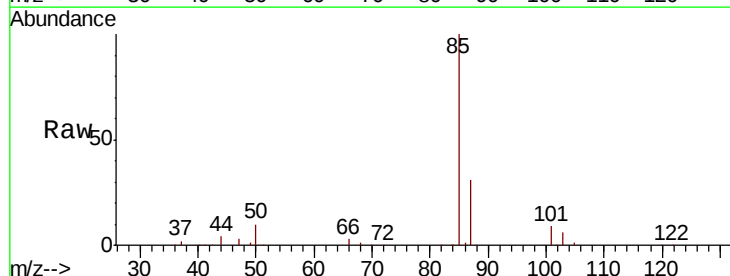
Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 49.374 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

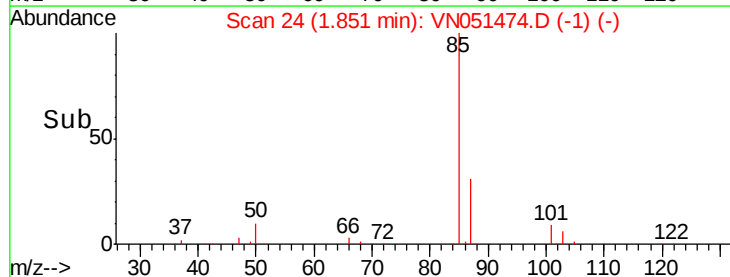
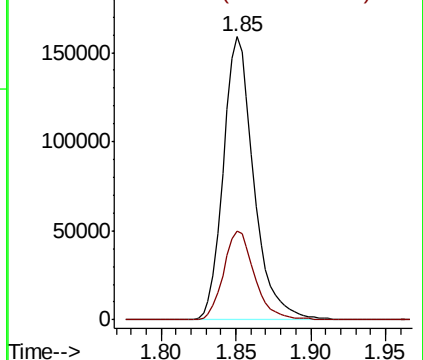
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.3	48.8

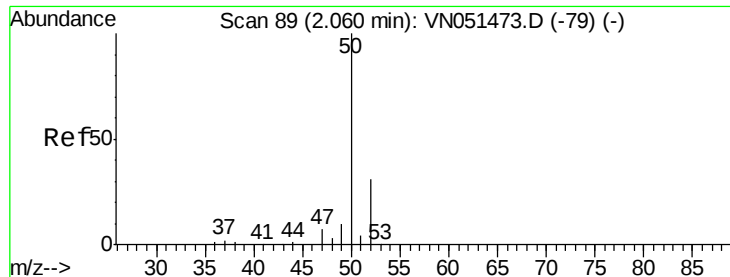


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 53.023 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 416662

Ion Ratio Lower Upper

50 100

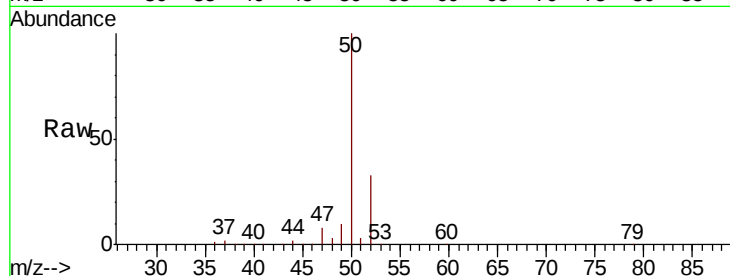
52 33.2 27.2 40.8

Manual Integrations

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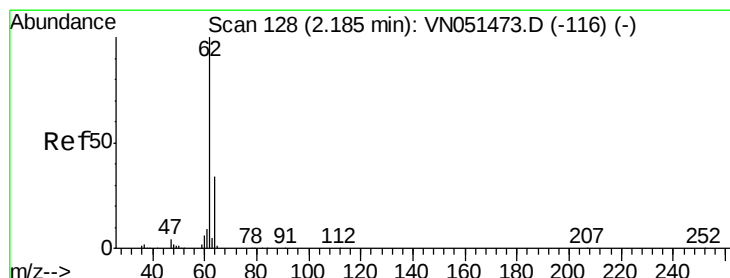
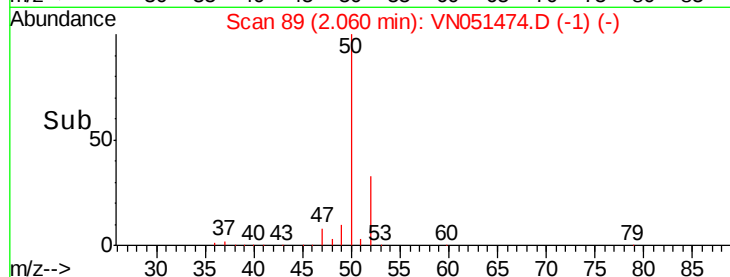
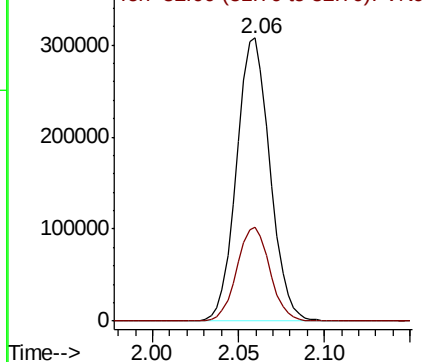
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 53.948 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051474.D

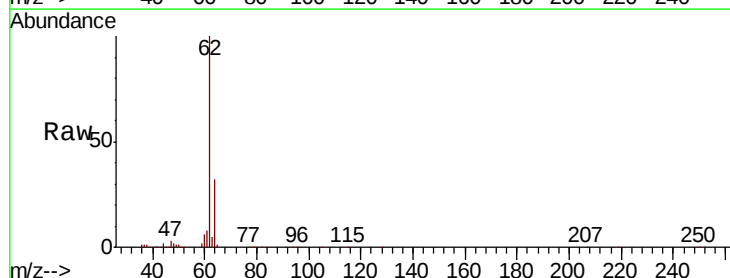
Acq: 25 Sep 2018 10:00

Tgt Ion: 62 Resp: 452346

Ion Ratio Lower Upper

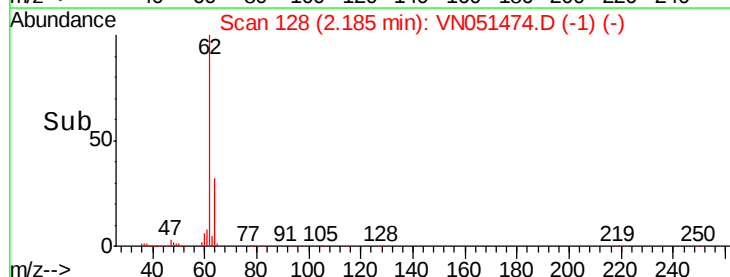
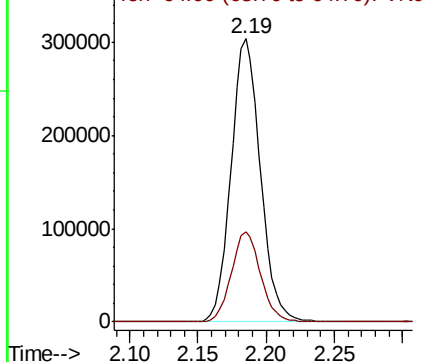
62 100

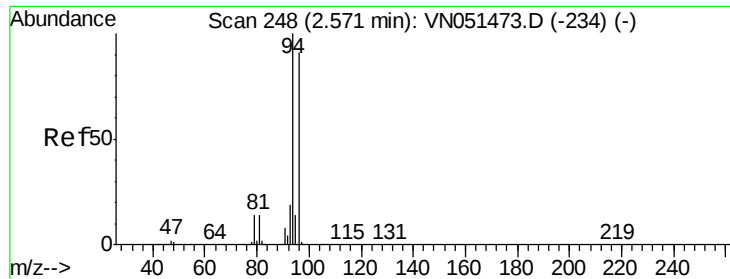
64 31.9 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 51.101 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 280040

Ion Ratio Lower Upper

94 100

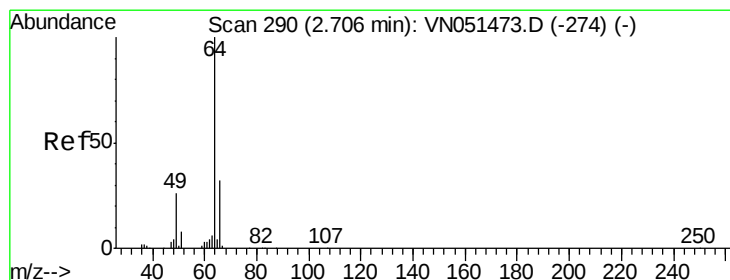
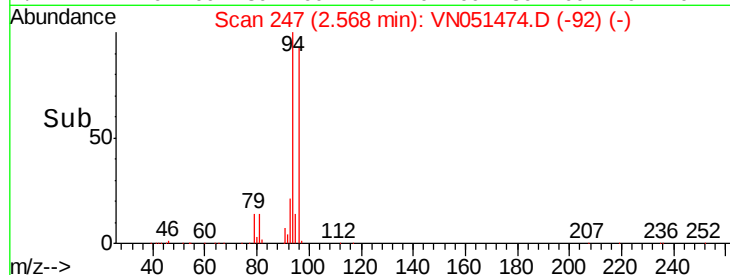
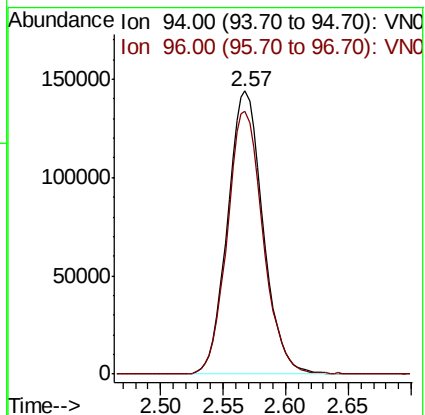
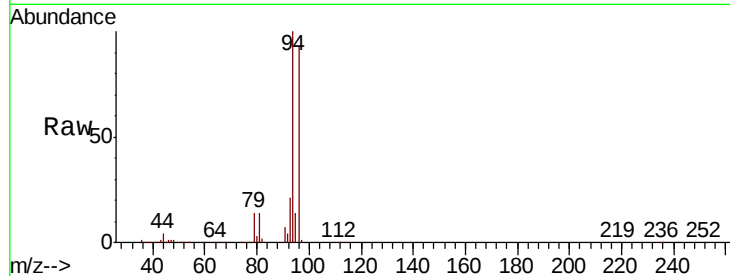
96 92.9 66.4 99.6

Manual Integrations

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10/1/2018 11:21:26 AM



#6

Chloroethane

Concen: 55.345 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051474.D

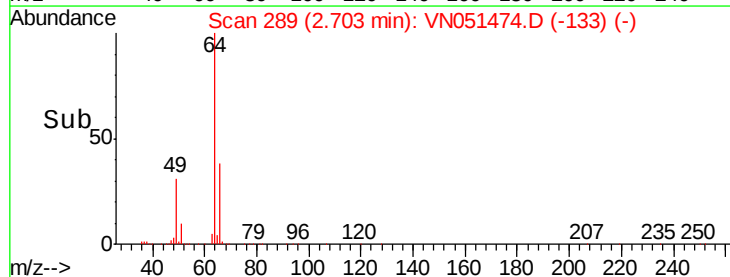
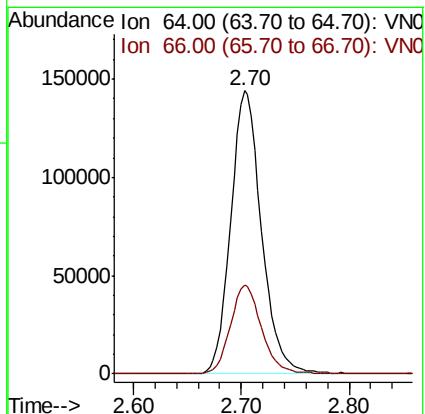
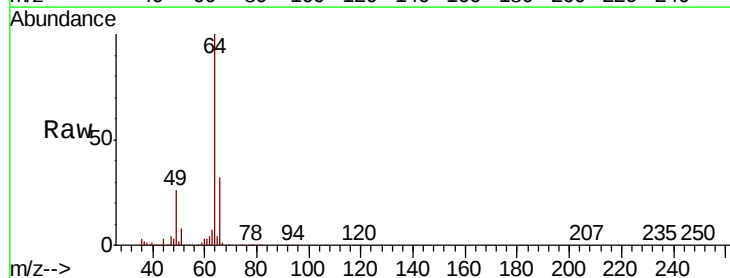
Acq: 25 Sep 2018 10:00

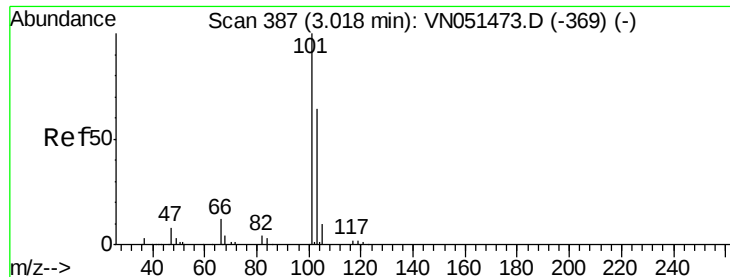
Tgt Ion: 64 Resp: 286044

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.6





#7

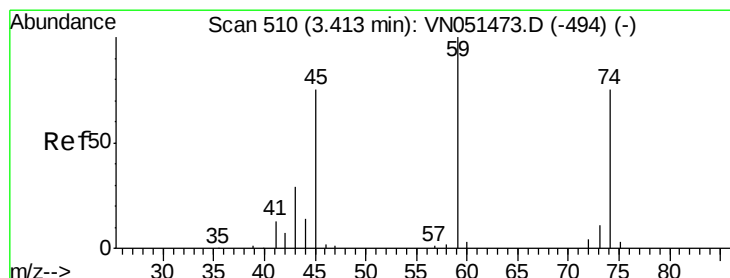
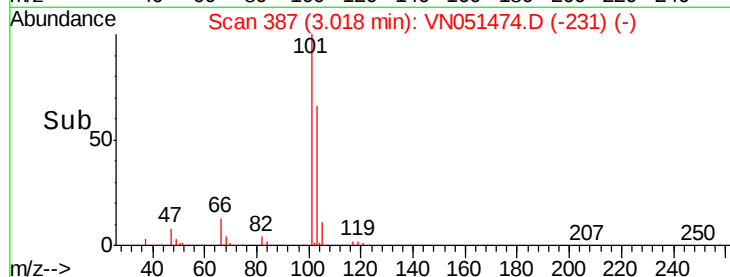
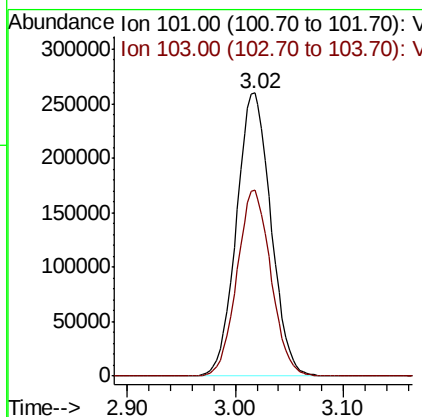
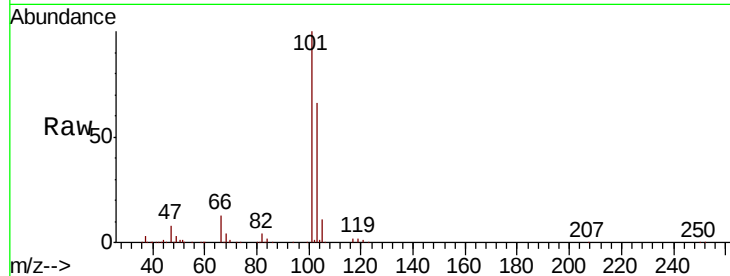
Trichlorofluoromethane
 Concen: 53.130 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
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 ClientSampleId :
 VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		578249		
103	65.7	54.8	82.2		

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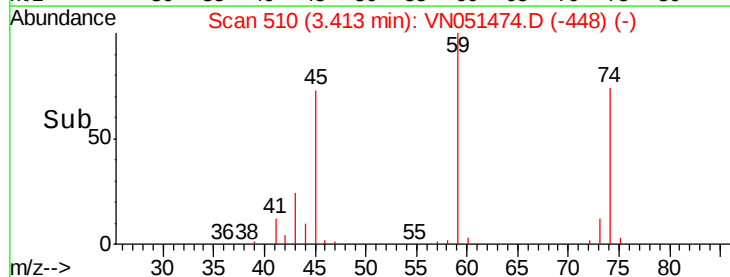
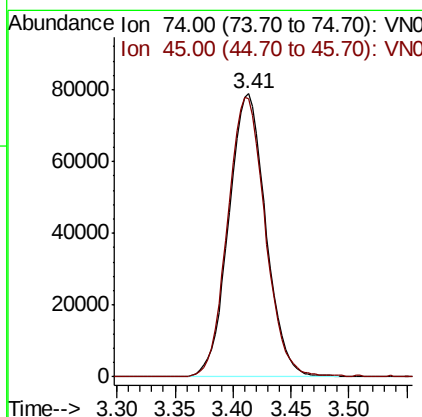
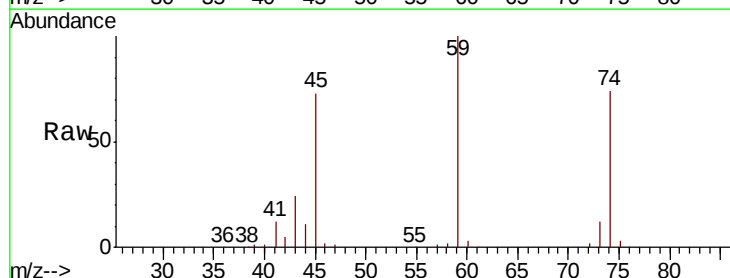
MMDadoda
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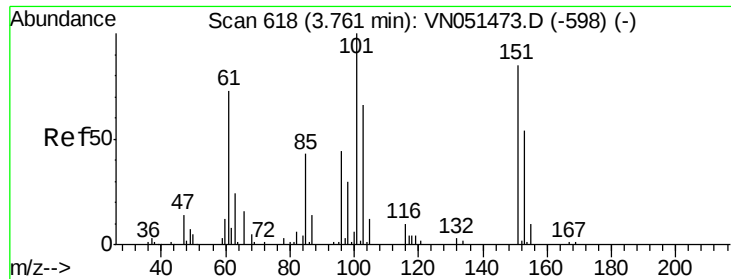


#8

Diethyl Ether
 Concen: 53.411 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		174776		
45	100.1	20.7	186.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.435 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

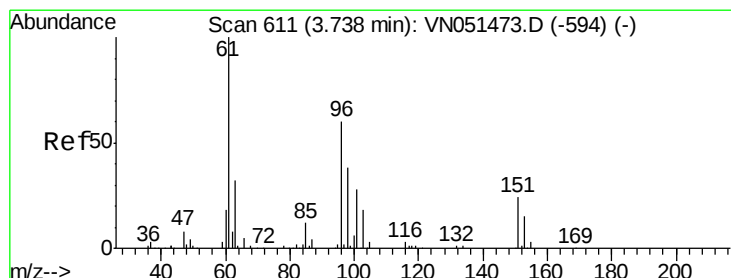
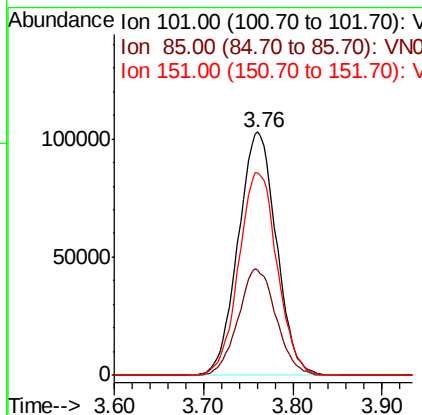
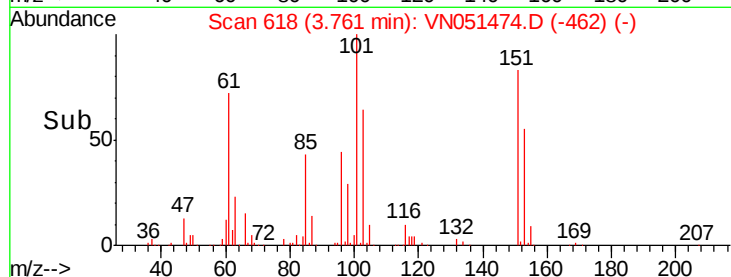
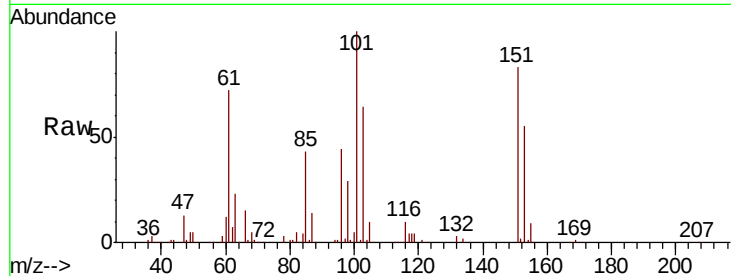
ClientSampled :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100			
85	43.5	0.0	46.0	
151	83.8	0.0	82.2#	

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#10

1,1-Dichloroethene

Concen: 55.294 ug/l

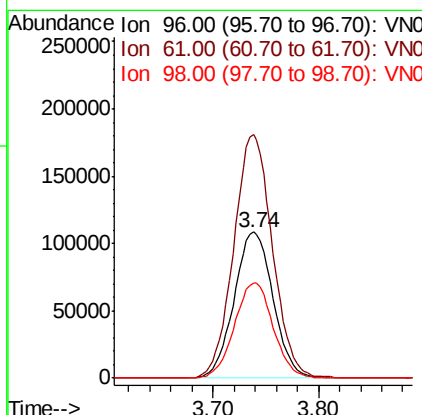
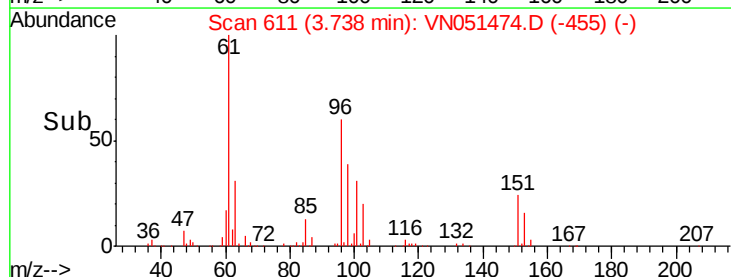
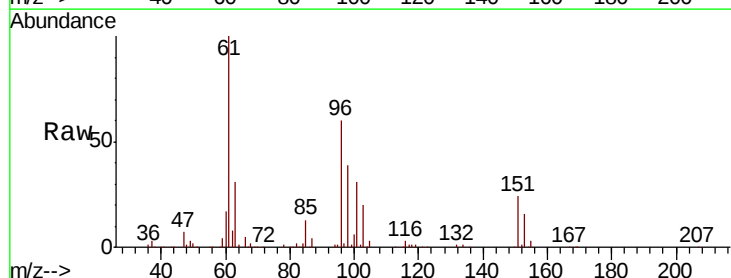
RT: 3.74 min Scan# 611

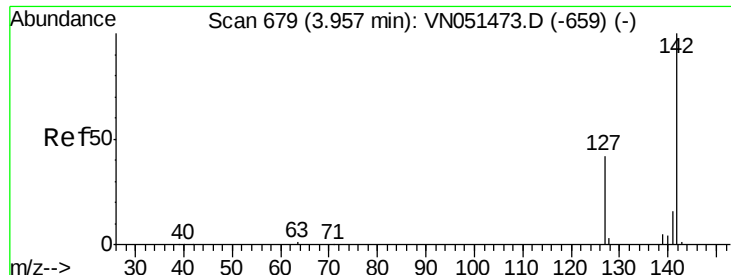
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.4	133.0	199.6	
98	65.1	52.6	78.8	





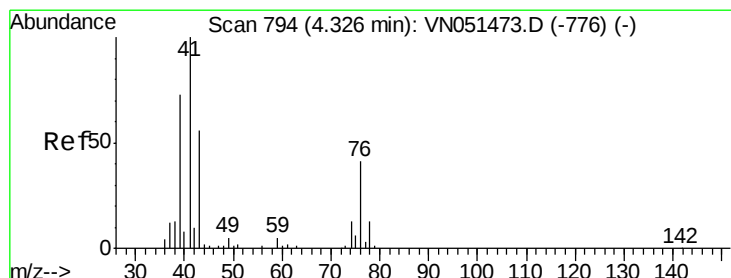
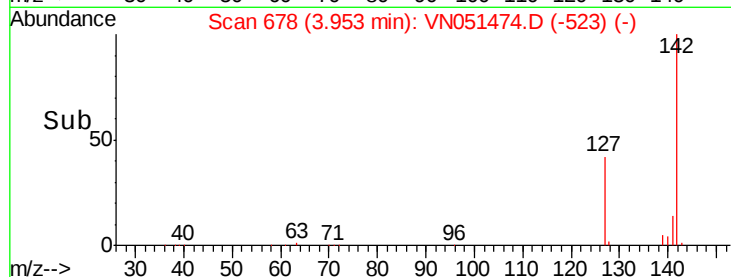
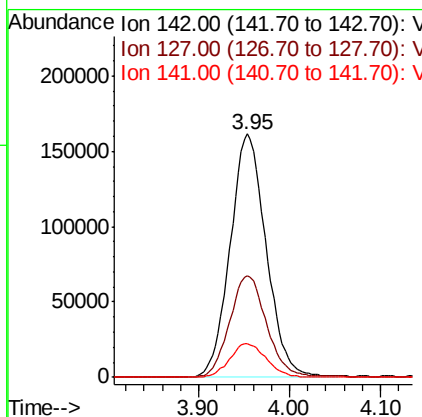
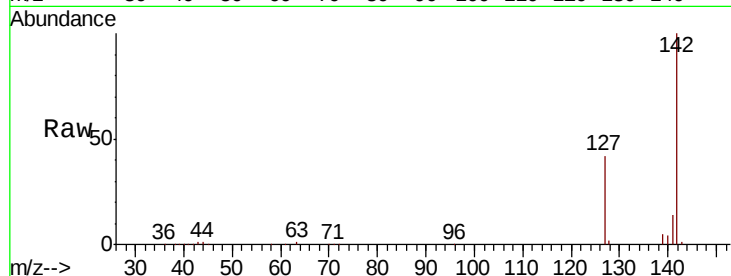
#11
Methyl Iodide
Concen: 59.875 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.3	19.7	59.0
141	13.7	6.3	18.9

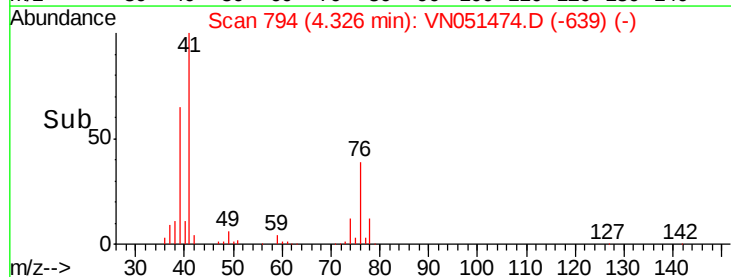
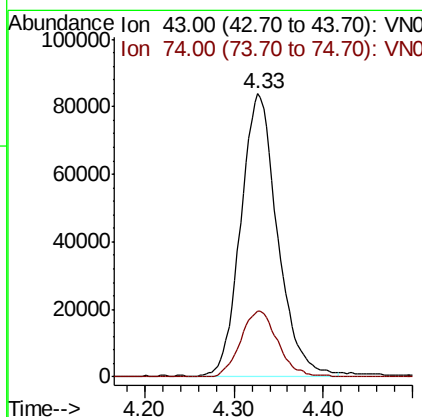
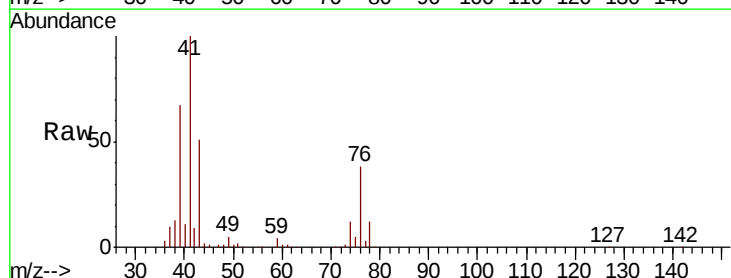
Manual Integrations
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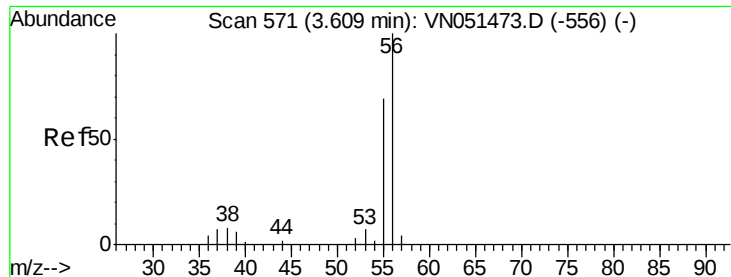
MMDadoda
10/1/2018 11:21:26 AM



#12
Methyl Acetate
Concen: 54.085 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	21.8	32.6





#13

Acrolein

Concen: 280.348 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 165410

Ion Ratio Lower Upper

56 100

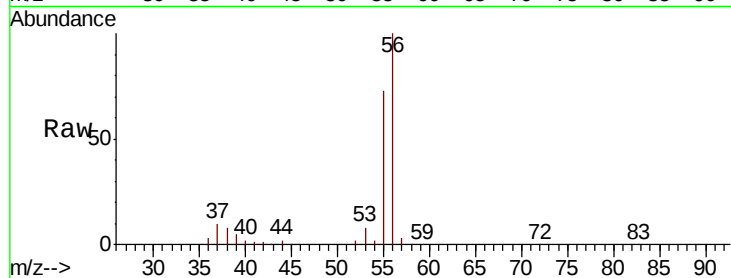
55 72.4 64.0 96.0

Manual Integrations

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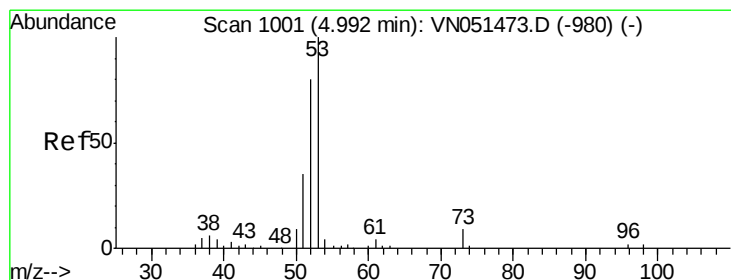
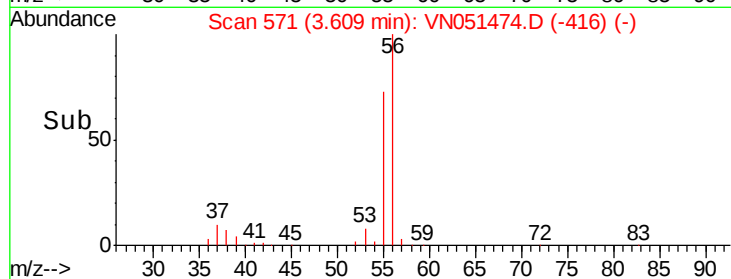
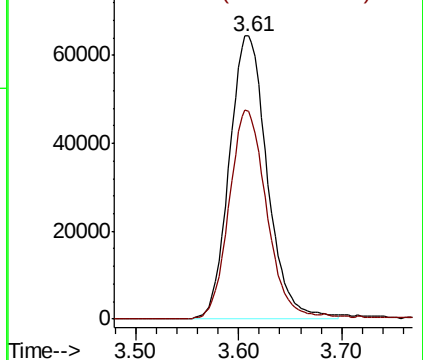
MMDadoda

10/1/2018 11:21:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 285.947 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

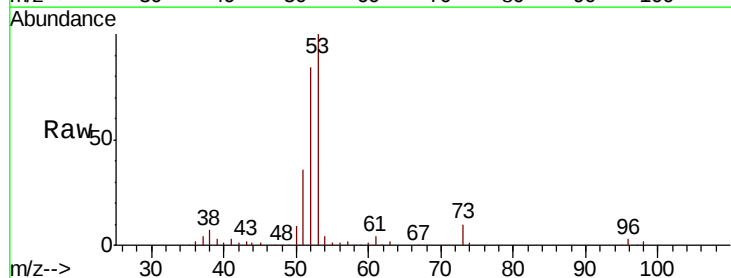
Tgt Ion: 53 Resp: 513962

Ion Ratio Lower Upper

53 100

52 83.6 18.3 54.8#

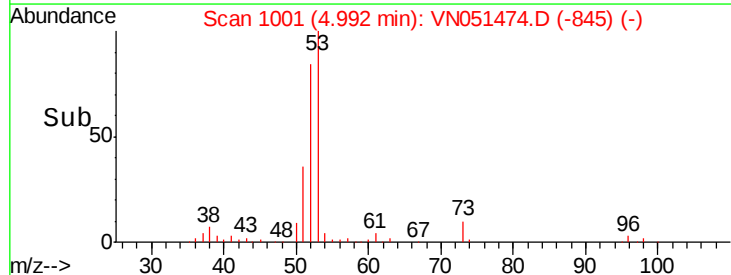
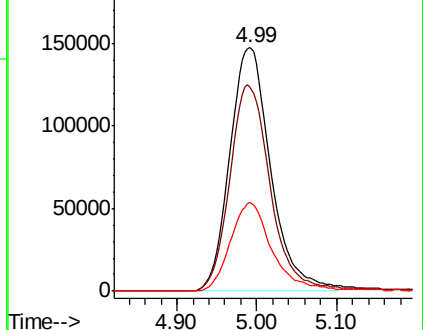
51 36.8 19.7 59.1

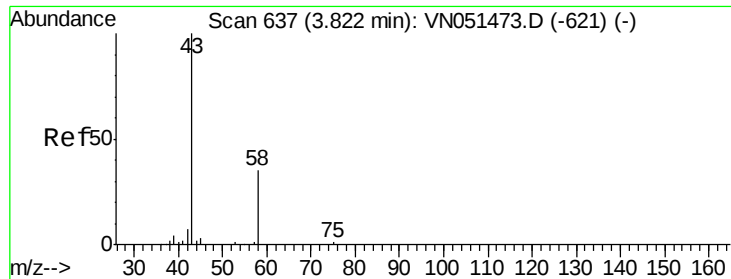


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 269.187 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 119164

Ion Ratio Lower Upper

58 100

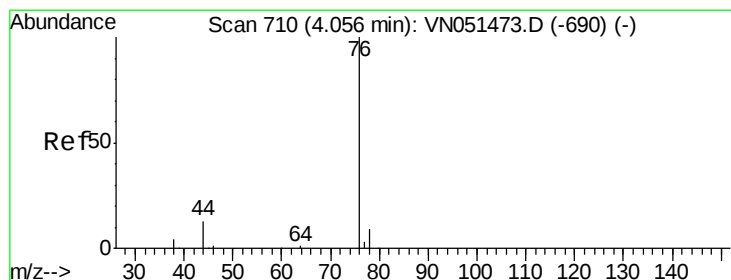
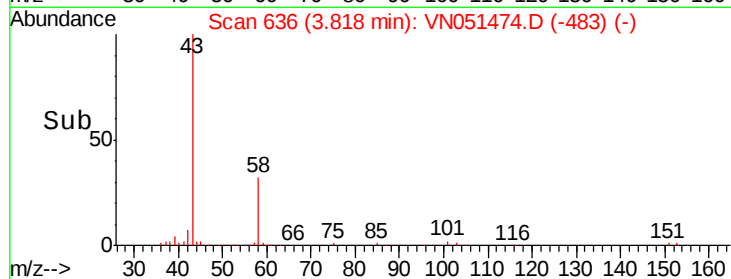
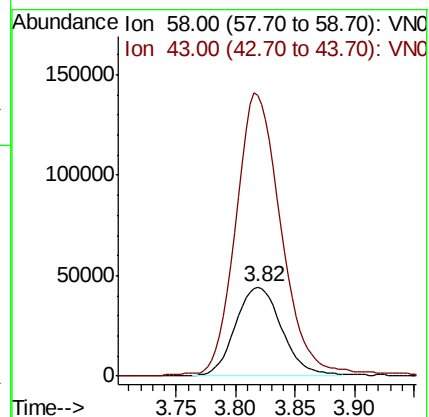
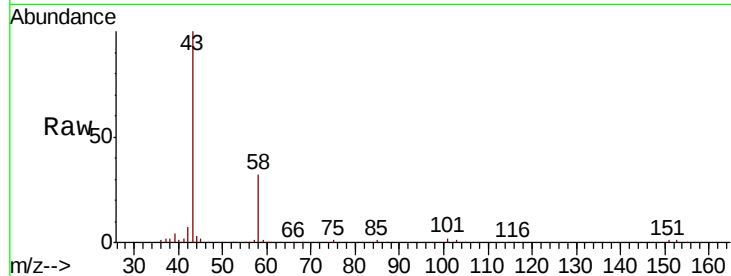
43 314.2 232.2 348.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 53.711 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051474.D

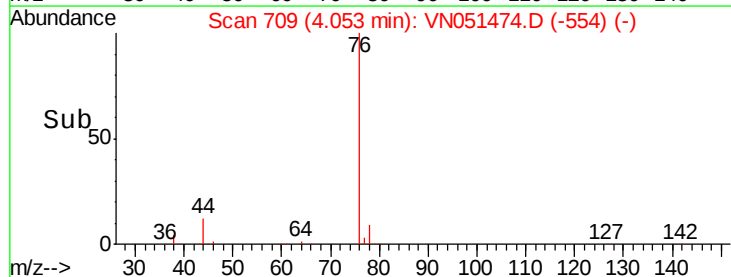
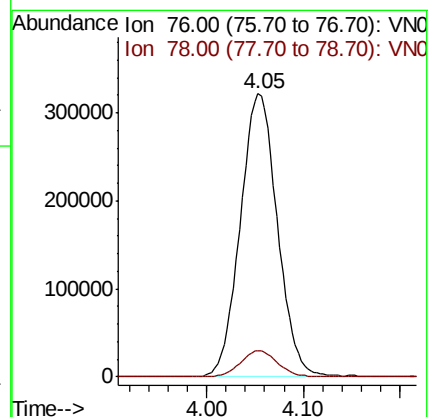
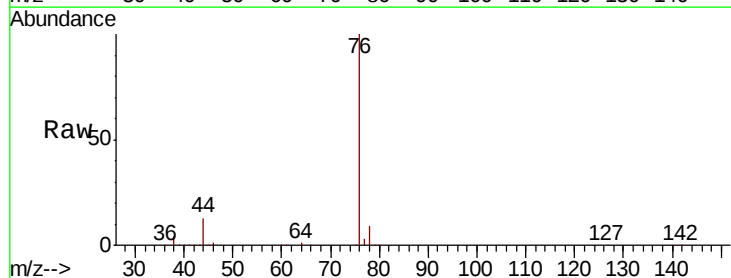
Acq: 25 Sep 2018 10:00

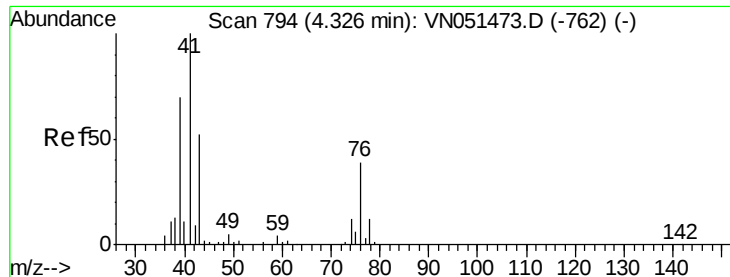
Tgt Ion: 76 Resp: 857659

Ion Ratio Lower Upper

76 100

78 9.2 6.7 10.1





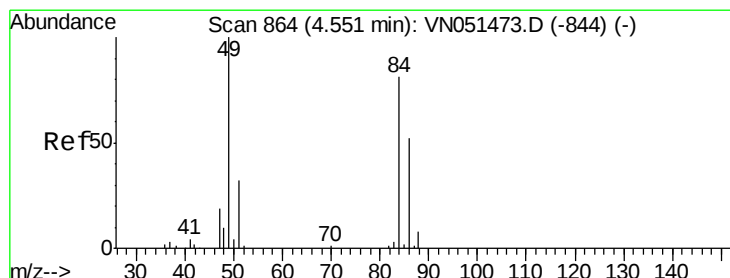
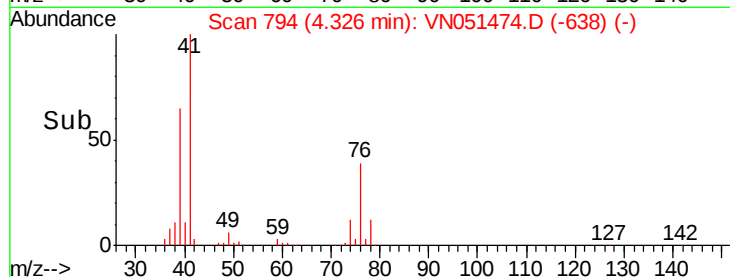
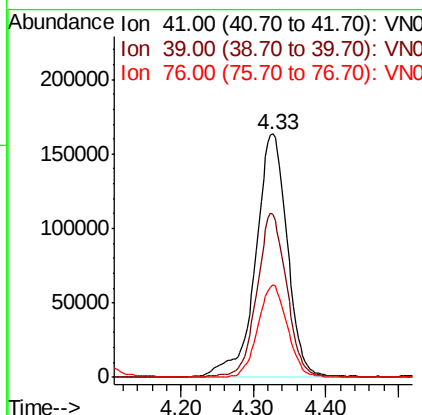
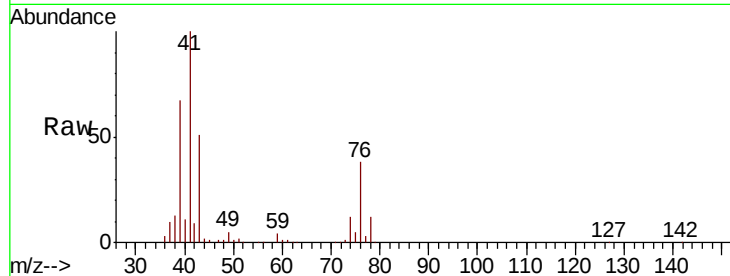
#17
Allvl chloride
Concen: 56.068 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	498281
Ion	Ratio	Lower	Upper
41	100		
39	66.7	32.6	97.8
76	37.8	20.2	60.5

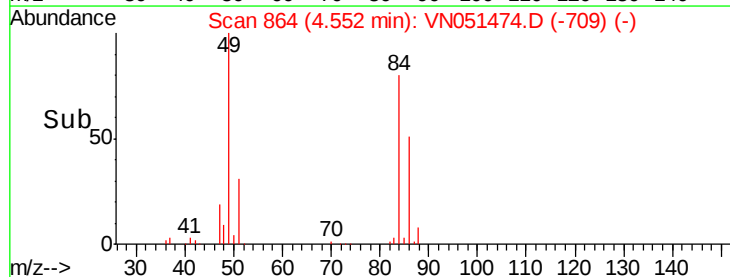
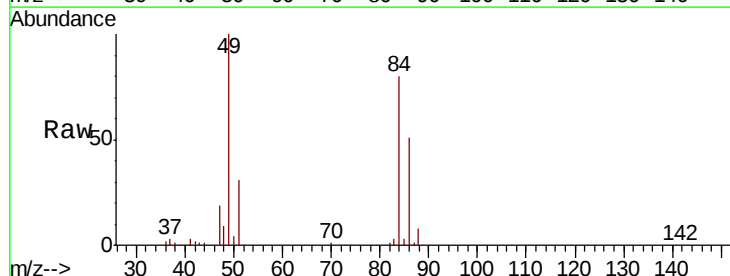
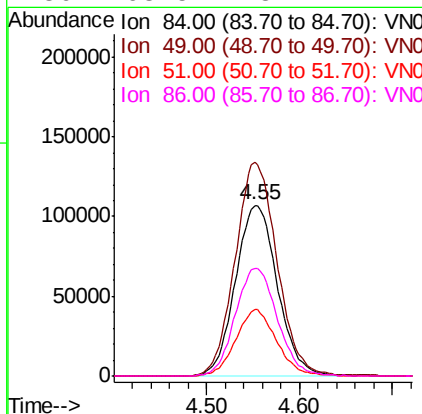
Manual Integrations
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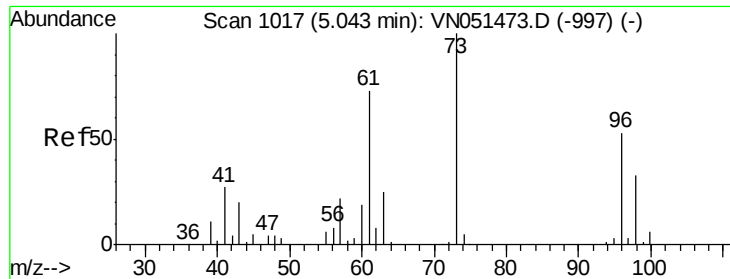
MMDadoda
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#18
Methylene Chloride
Concen: 55.876 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion:	84	Resp:	335936
Ion	Ratio	Lower	Upper
84	100		
49	125.2	91.6	137.4
51	38.7	29.8	44.6
86	63.5	48.2	72.4





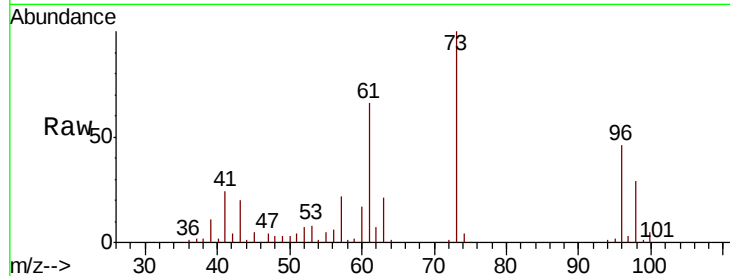
#19
trans-1,2-Dichloroethene
Concen: 56.233 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	112.3	168.5
98	64.1	47.1	70.7

Manual Integrations
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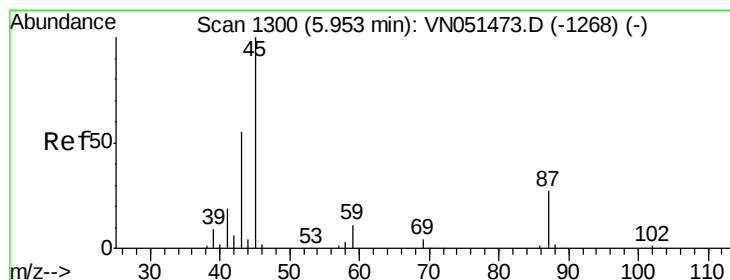
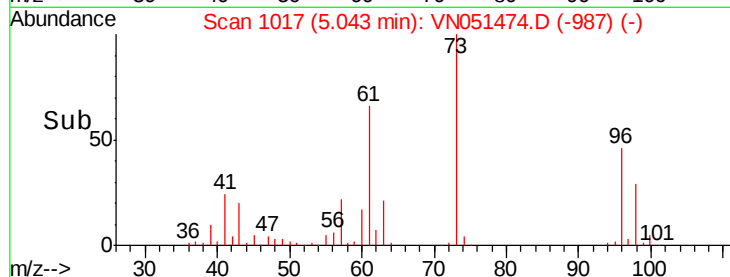
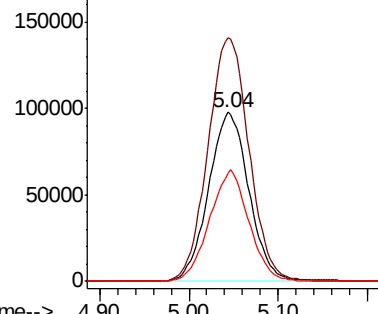


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 59.668 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	62.1	93.1#
87	26.3	19.9	29.9
59	11.7	9.8	14.6

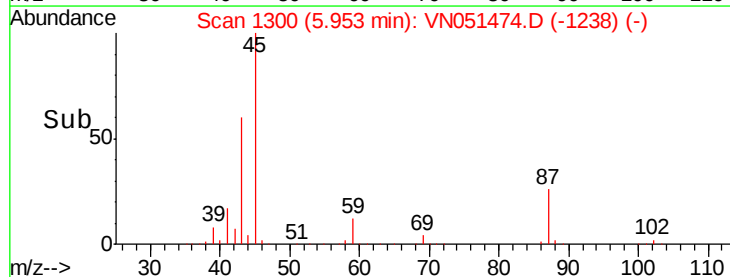
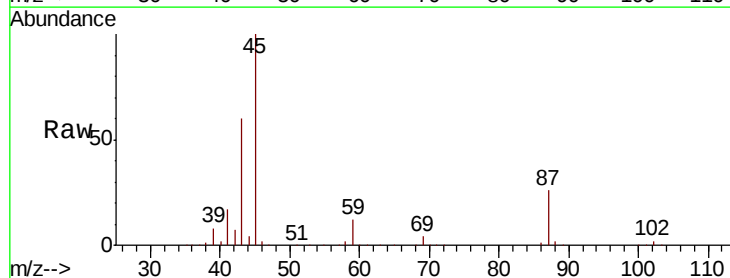
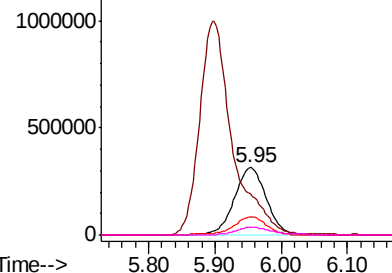
Abundance

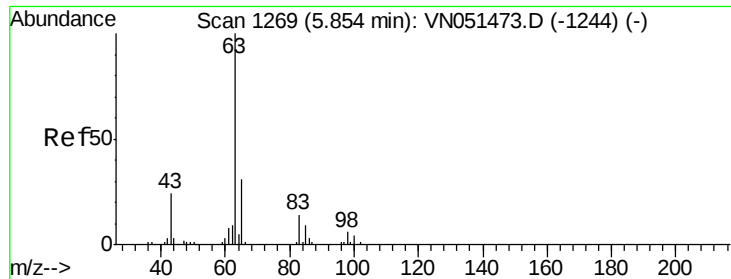
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 56.663 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

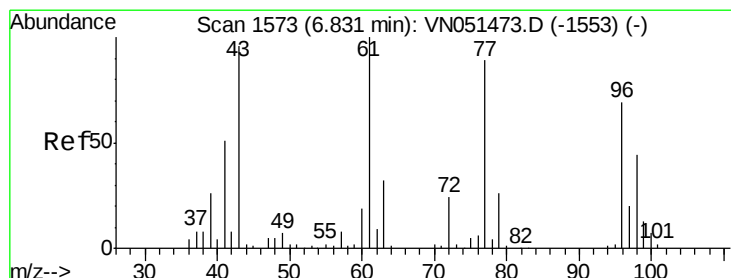
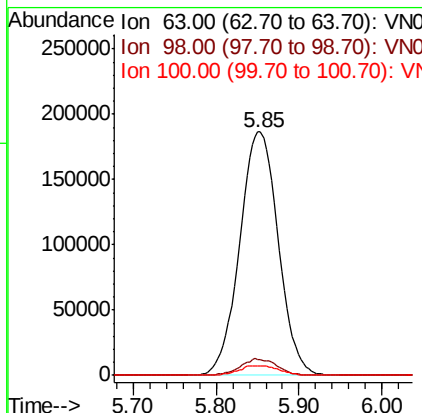
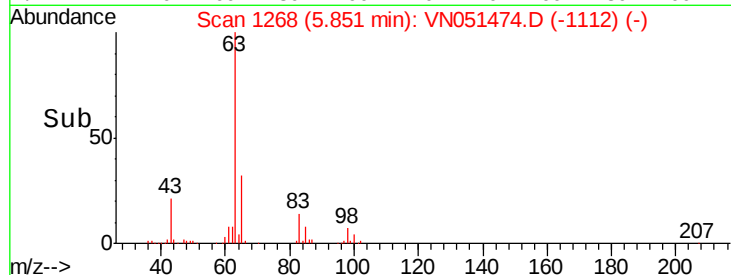
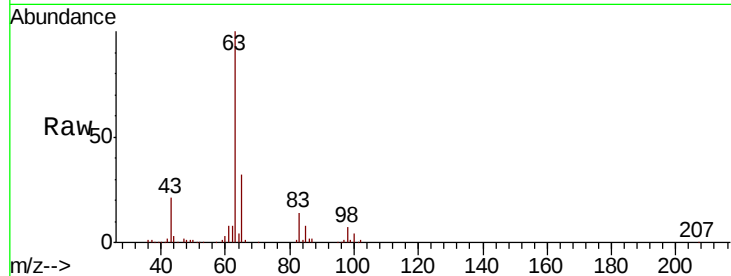
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	602284
Ion Ratio	Lower	Upper	
63	100		
98	6.7	4.1	12.3
100	4.0	1.6	4.7

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 56.402 ug/l

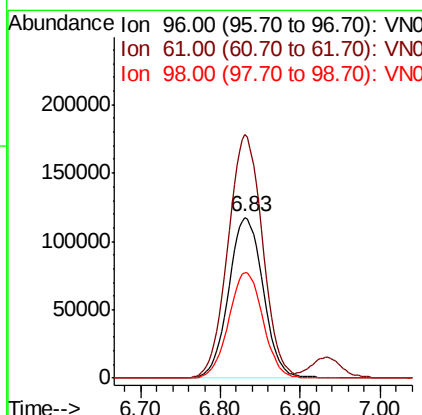
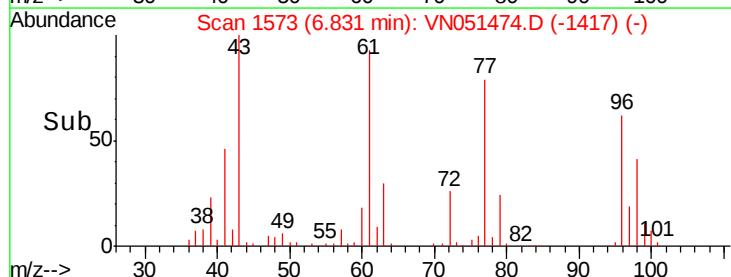
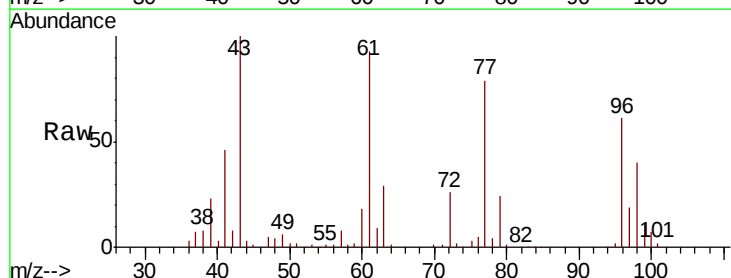
RT: 6.83 min Scan# 1573

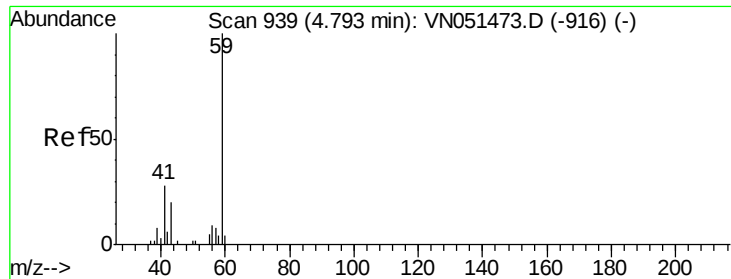
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	96	Resp:	343942
Ion Ratio	Lower	Upper	
96	100		
61	151.2	124.5	186.7
98	64.9	51.9	77.9





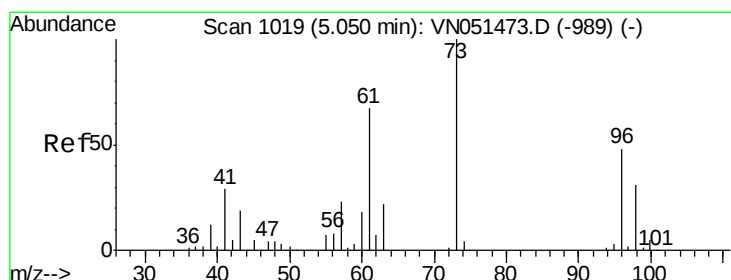
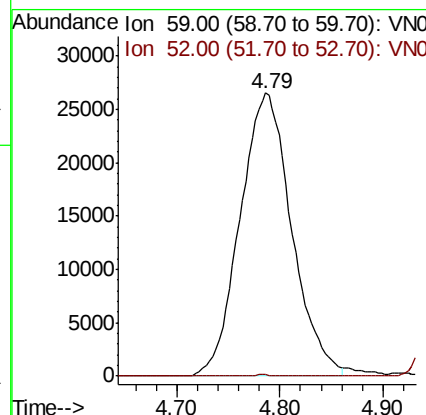
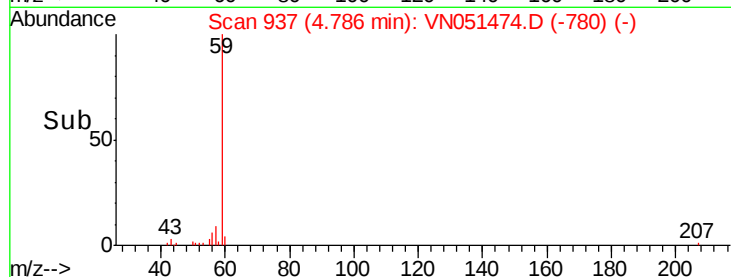
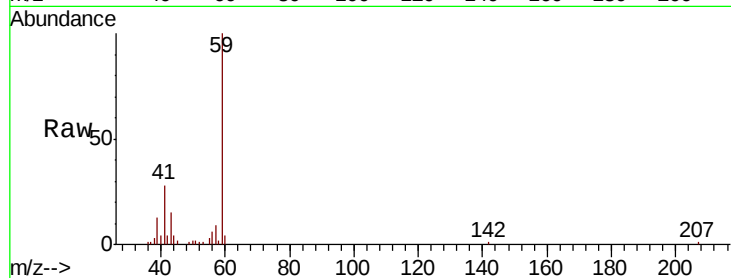
#23
tert-Butyl Alcohol
Concen: 272.129 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

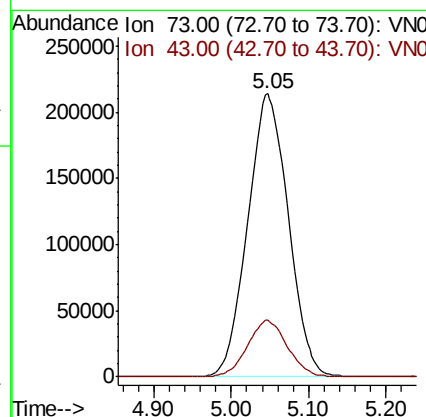
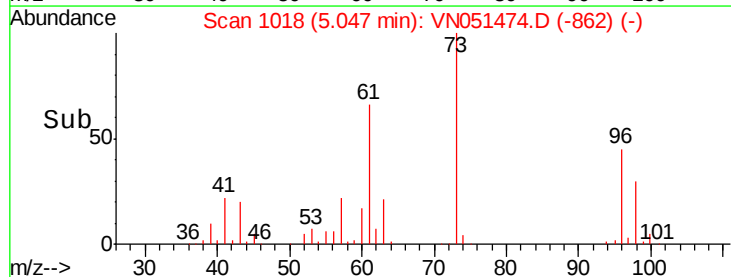
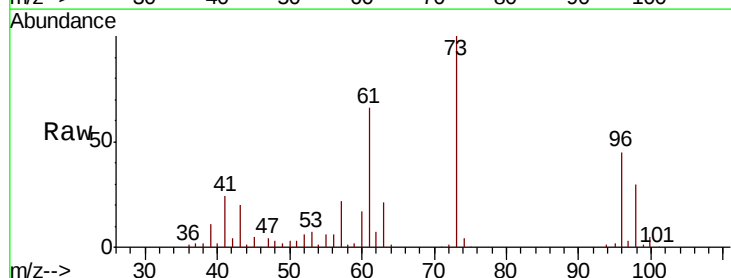
Manual Integrations
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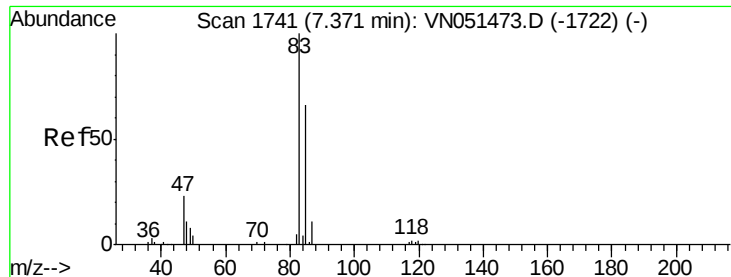
MMDadoda
10/1/2018 11:21:26 AM



#24
Methyl tert-Butyl Ether
Concen: 57.114 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.6	5.4	8.0#





#25

Chloroform

Concen: 57.319 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 83 Resp: 607680

Ion Ratio Lower Upper

83 100

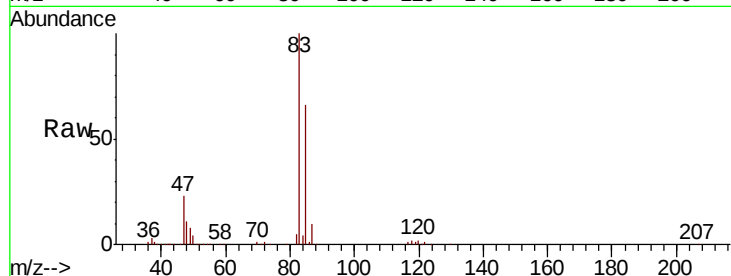
85 66.1 54.6 82.0

Manual Integrations

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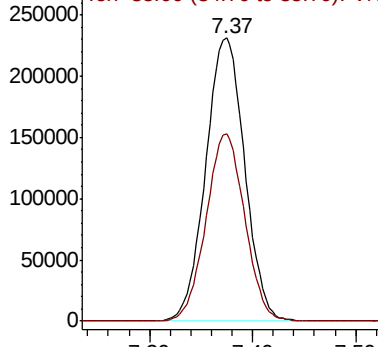
MMDadoda

10/1/2018 11:21:26 AM

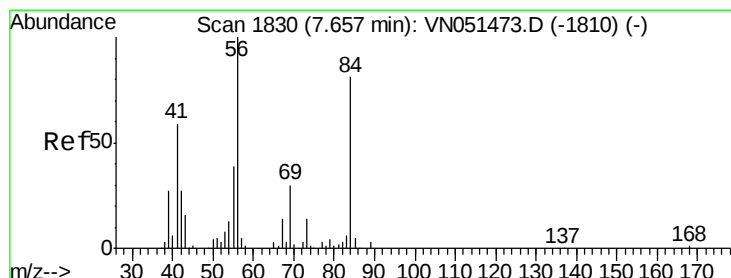
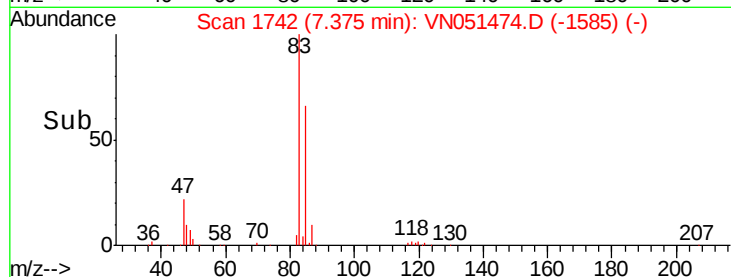


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



Time-->



#26

Cyclohexane

Concen: 59.180 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

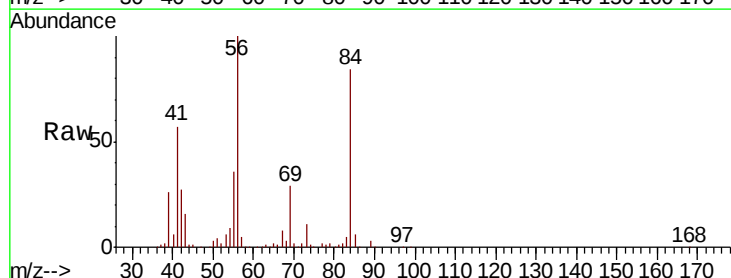
Tgt Ion: 56 Resp: 535536

Ion Ratio Lower Upper

56 100

89 3.3 1.5 2.3#

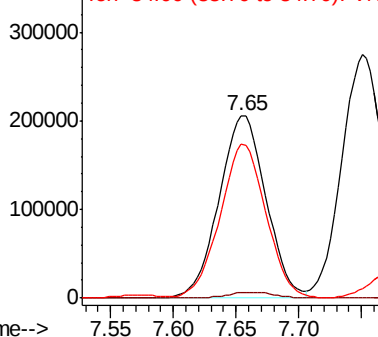
84 82.9 64.2 96.4



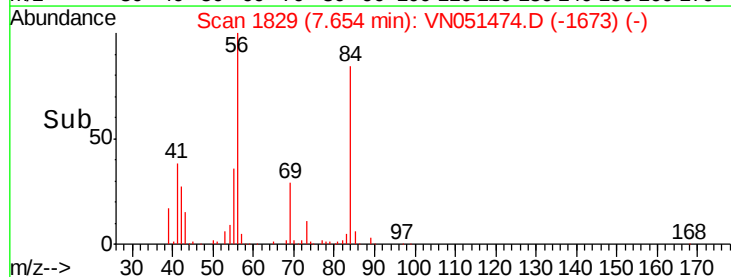
Abundance Ion 56.00 (55.70 to 56.70): VN0

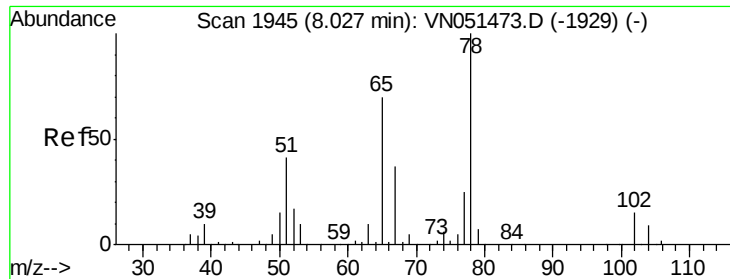
Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->





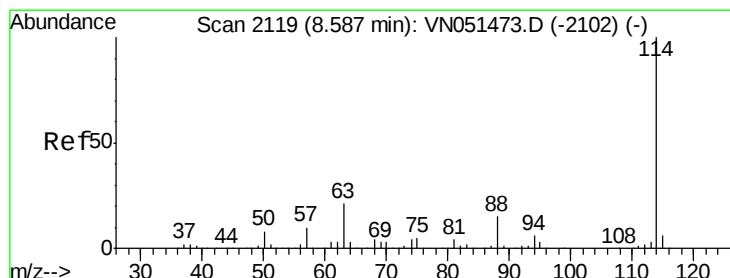
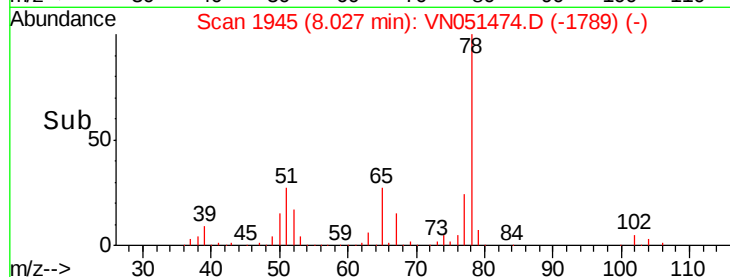
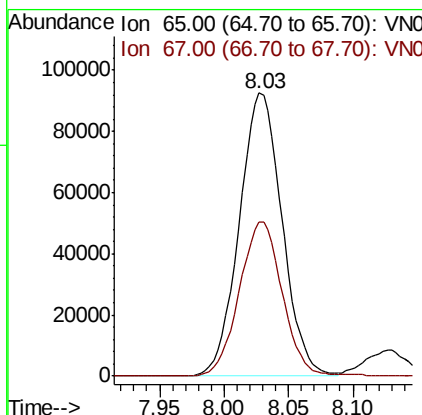
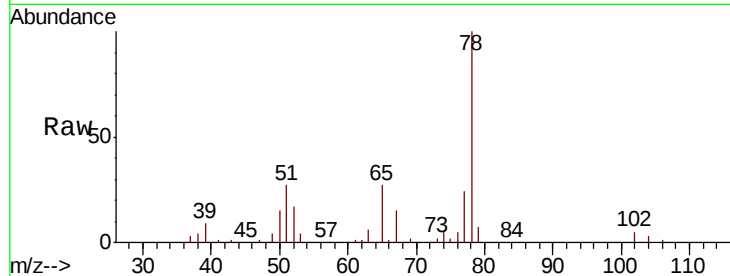
#27
 1,2-Dichloroethane-d4
 Concen: 29.145 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	41.8	62.8

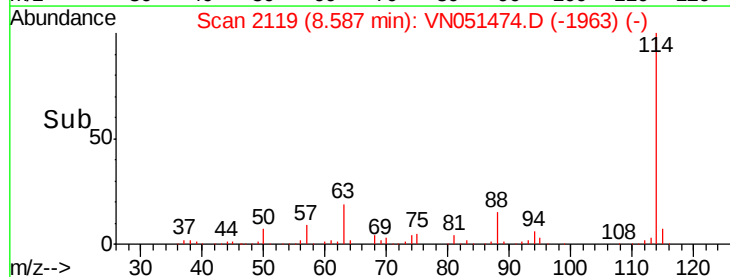
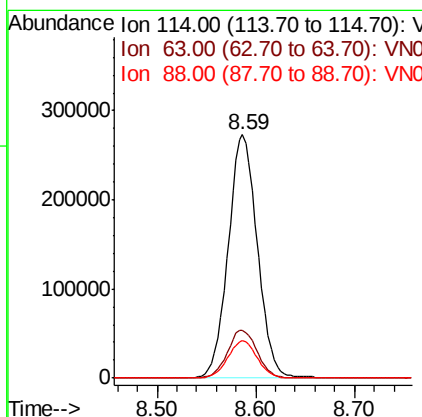
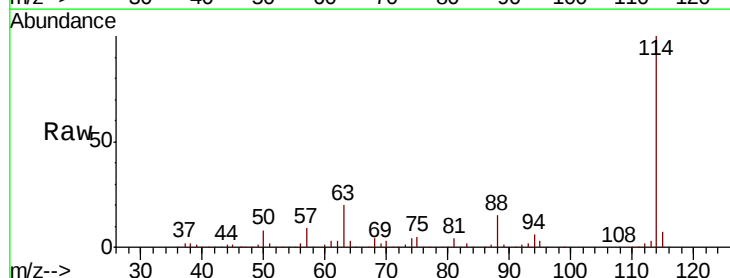
Manual Integrations
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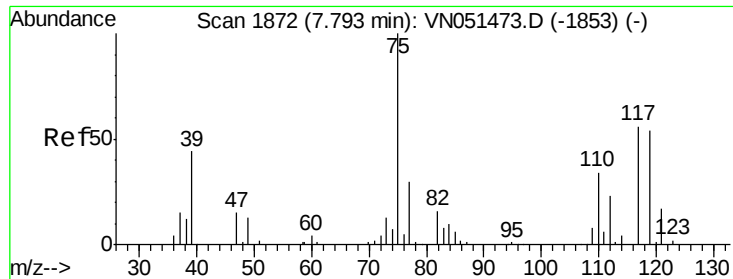
MMDadoda
 10/1/2018 11:21:26 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.2	24.2
88	15.3	12.2	18.4





#29

1,1-Dichloropropene

Concen: 59.394 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

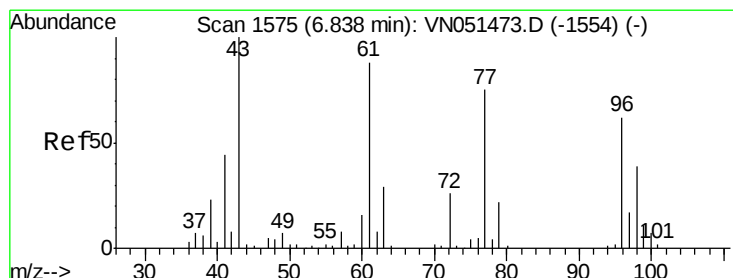
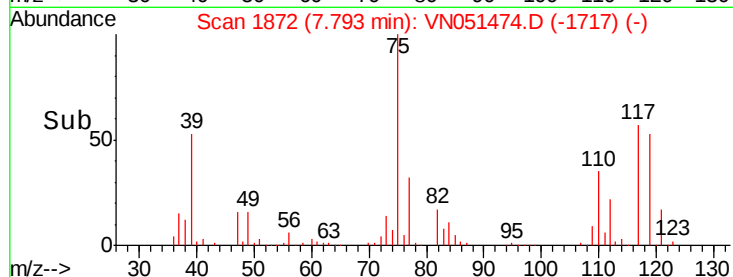
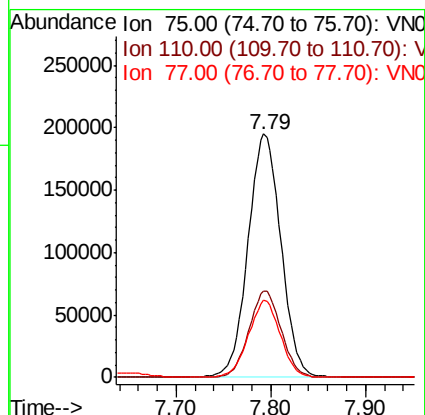
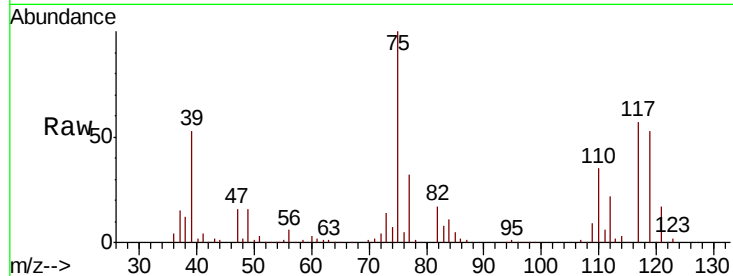
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	471576
Ion Ratio	Lower	Upper	
75	100		
110	34.6	0.0	70.8
77	30.8	0.0	61.6

Manual Integrations
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#30

2-Butanone

Concen: 285.416 ug/l

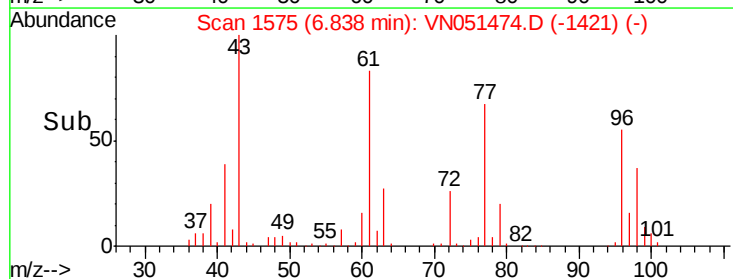
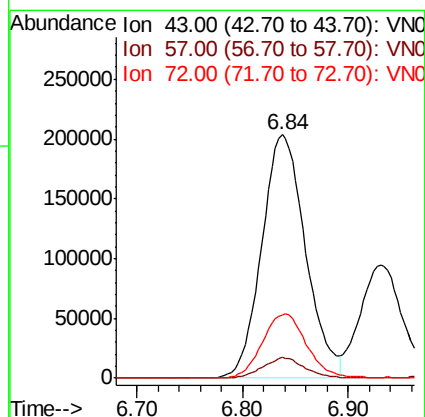
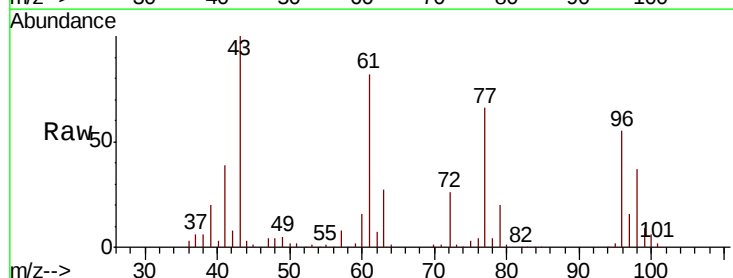
RT: 6.84 min Scan# 1575

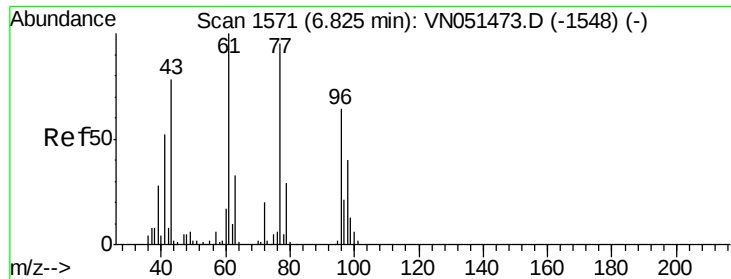
Delta R.T. -0.01 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	43	Resp:	585360
Ion Ratio	Lower	Upper	
43	100		
57	8.0	4.5	6.7#
72	26.8	21.5	32.3





#31

2,2-Dichloropropane

Concen: 57.651 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 488254

Ion Ratio Lower Upper

77 100

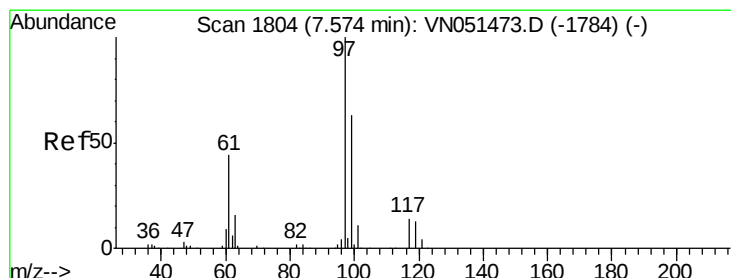
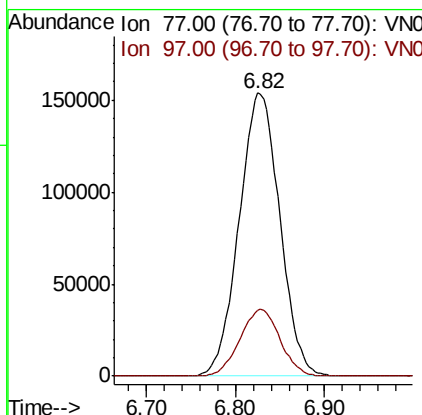
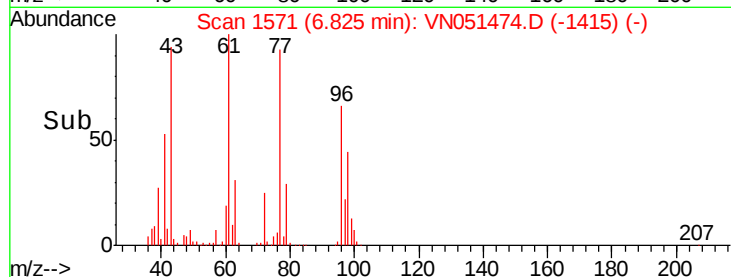
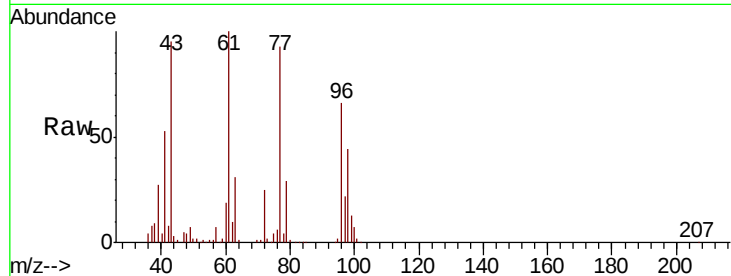
97 23.3 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 57.800 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

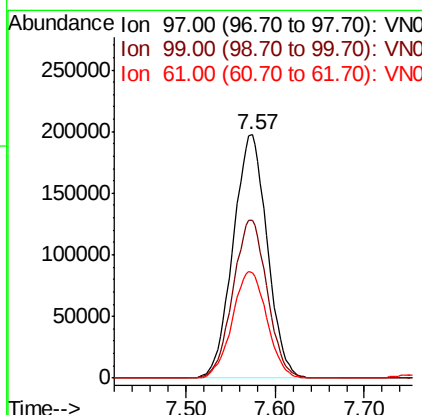
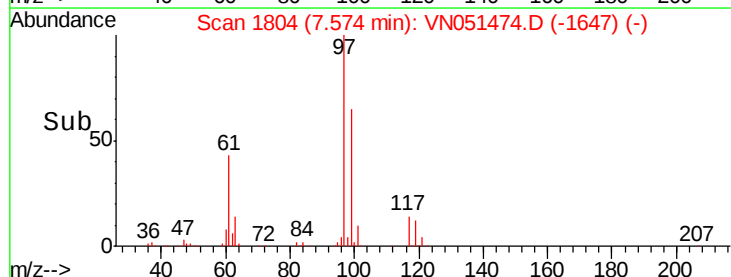
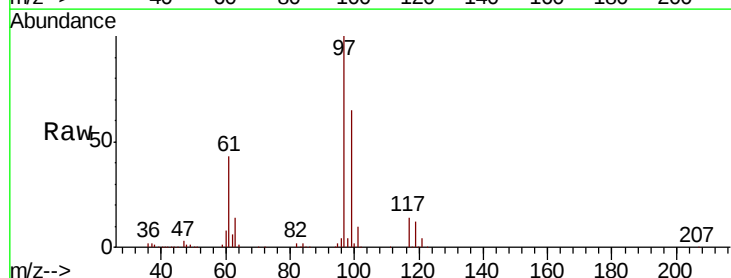
Tgt Ion: 97 Resp: 523909

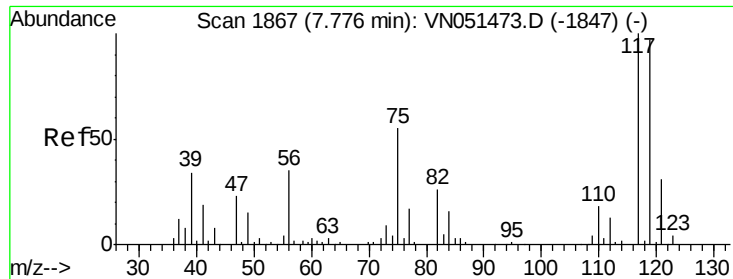
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 44.4 37.4 56.0





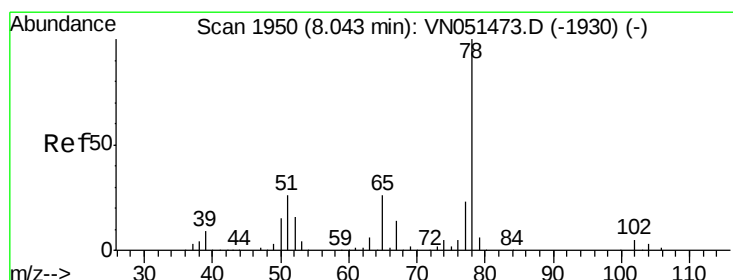
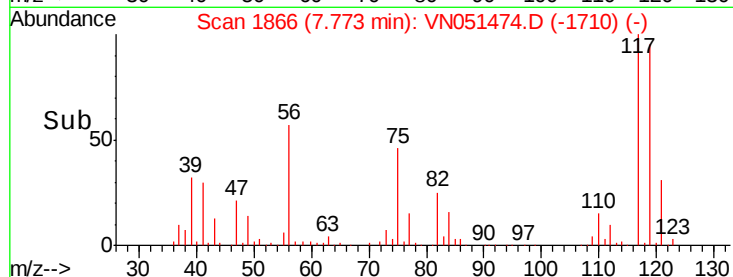
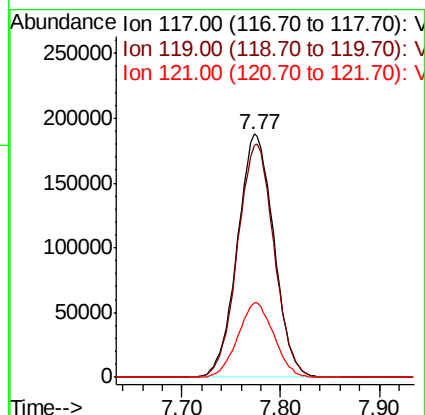
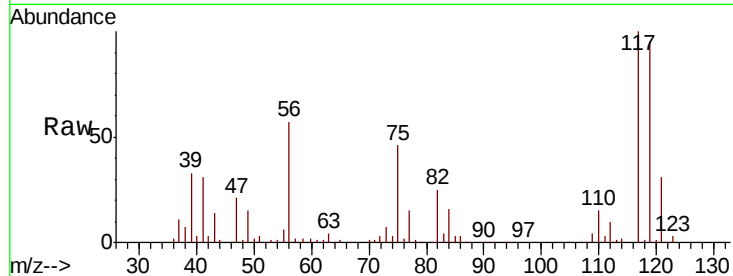
#33
Carbon Tetrachloride
Concen: 57.805 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	85.1	127.7
121	30.8	24.2	36.2

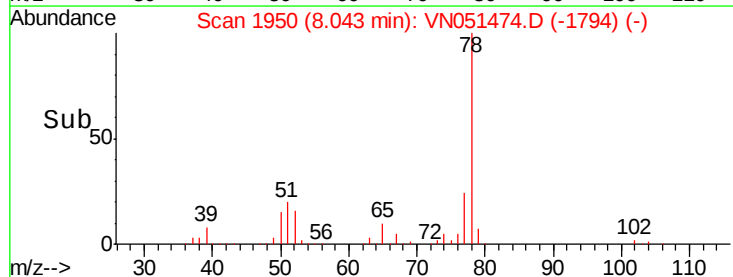
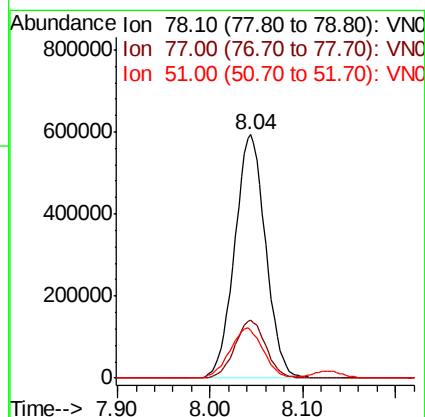
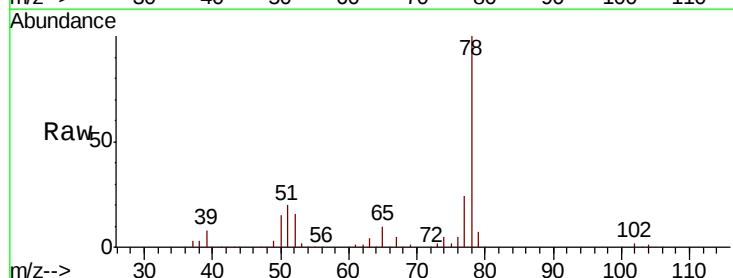
Manual Integrations
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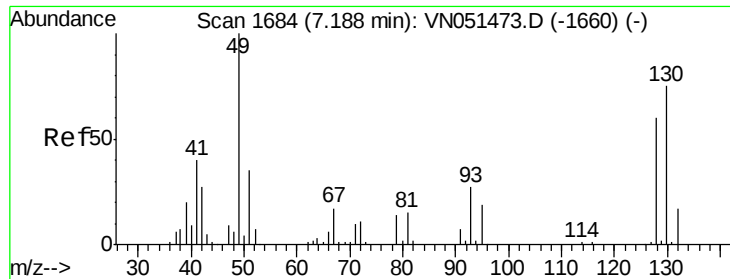
MMDadoda
10/1/2018 11:21:26 AM



#34
Benzene
Concen: 58.131 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2
51	19.8	46.2	69.4#





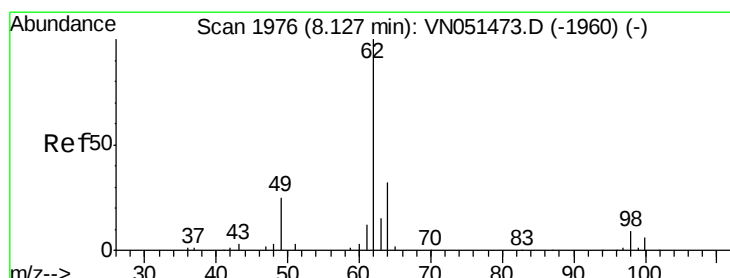
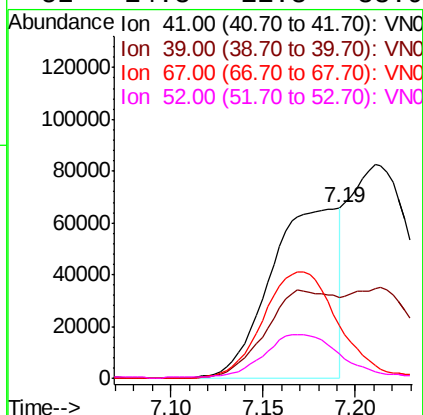
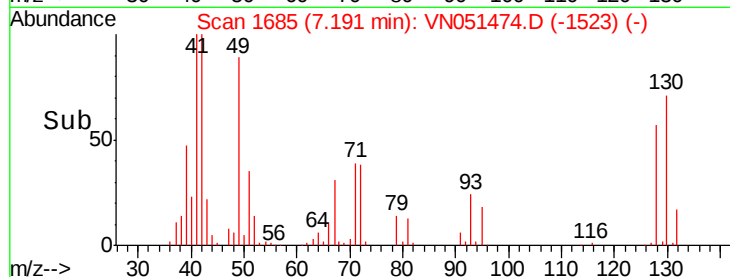
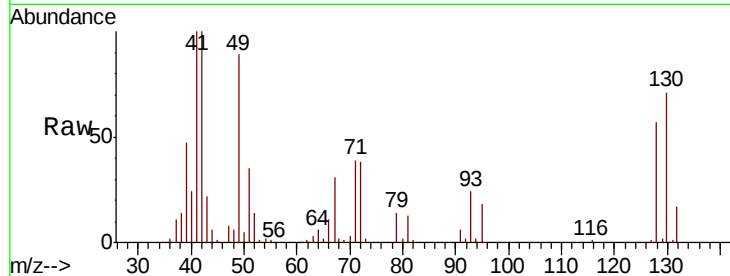
#35
Methacrylonitrile
Concen: 57.422 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.02 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.7	22.6	67.7
67	31.1	28.9	86.8
52	14.3	11.3	33.9

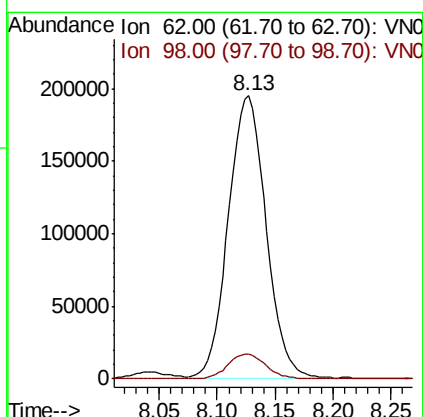
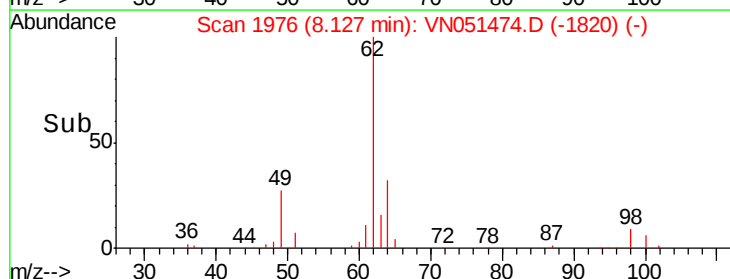
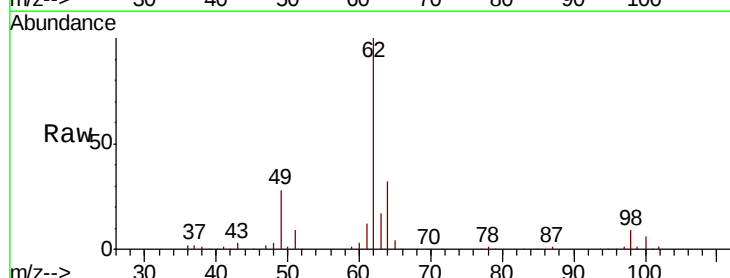
Manual Integrations
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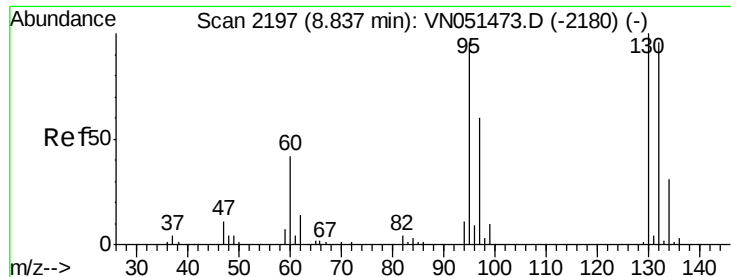
MMDadoda
10/1/2018 11:21:26 AM



#36
1,2-Dichloroethane
Concen: 57.630 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.9	10.3





#37

Trichloroethene

Concen: 57.484 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 359145

Ion Ratio Lower Upper

130 100

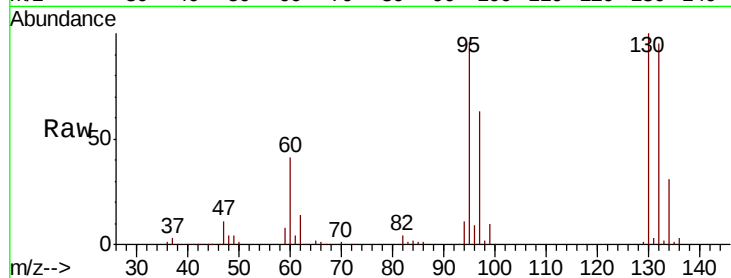
95 96.0 76.4 114.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

200000

150000

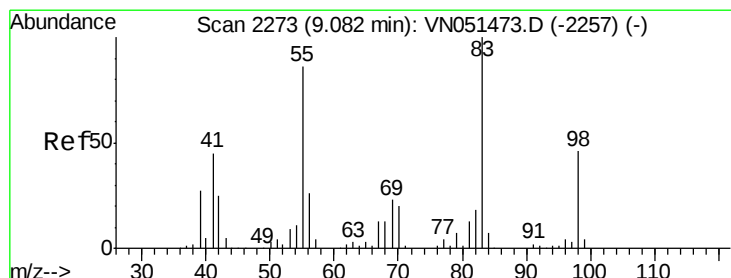
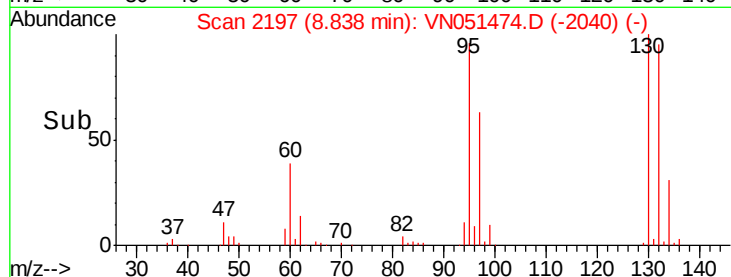
100000

50000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 58.535 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

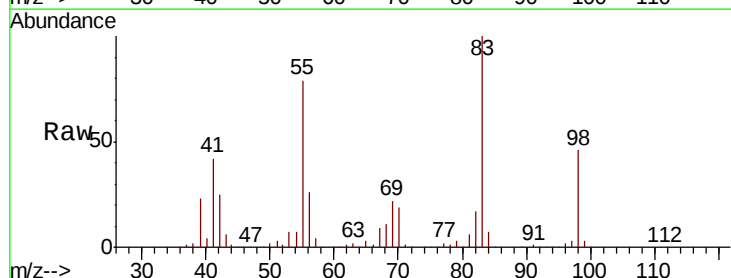
Tgt Ion: 83 Resp: 538753

Ion Ratio Lower Upper

83 100

55 79.6 43.0 129.2

98 45.9 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

300000

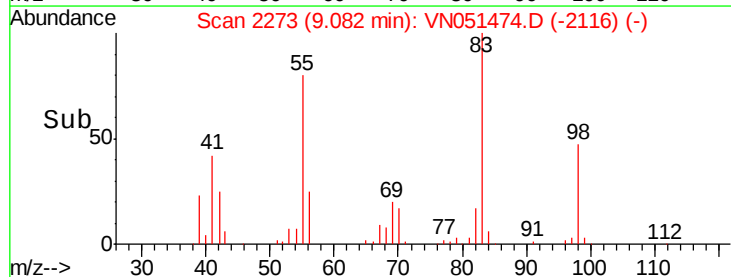
200000

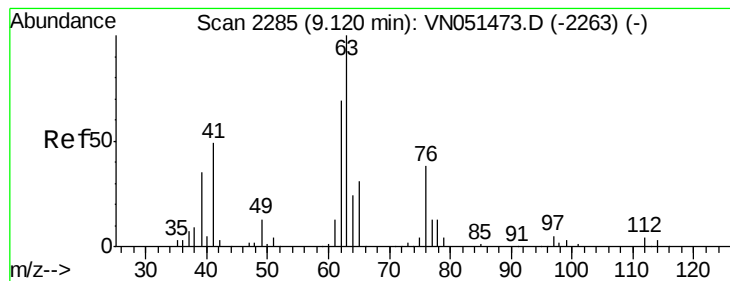
100000

0

9.00 9.05 9.10 9.15 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 58.647 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 63 Resp: 376075

Ion Ratio Lower Upper

63 100

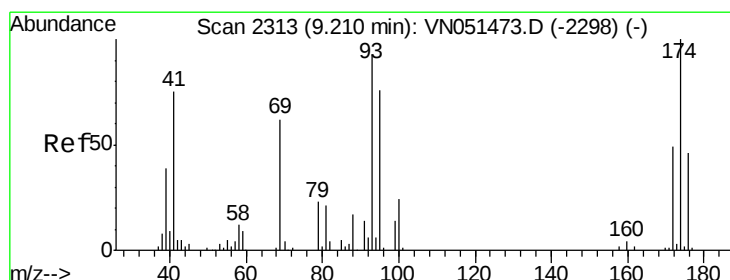
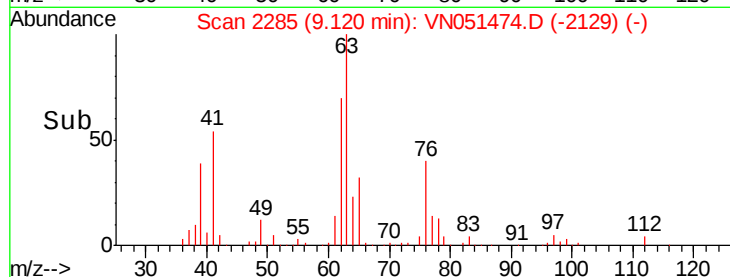
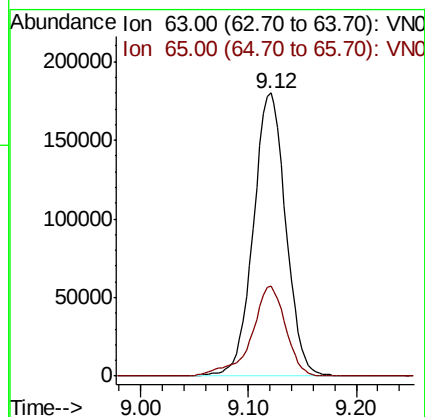
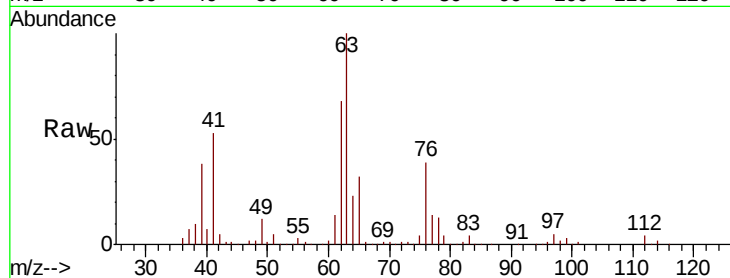
65 31.7 23.2 34.8

Manual Integrations

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#40

Dibromomethane

Concen: 57.989 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

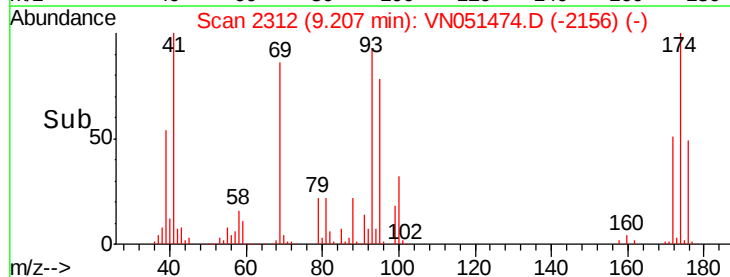
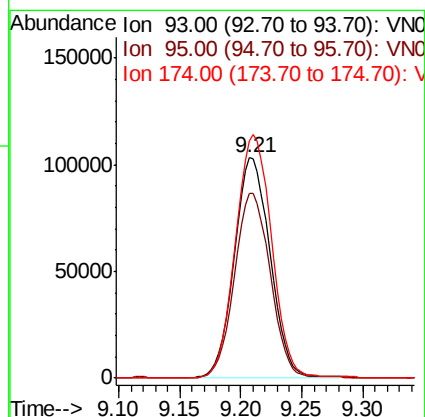
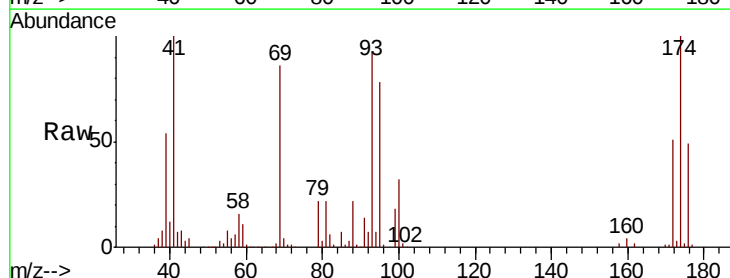
Tgt Ion: 93 Resp: 211646

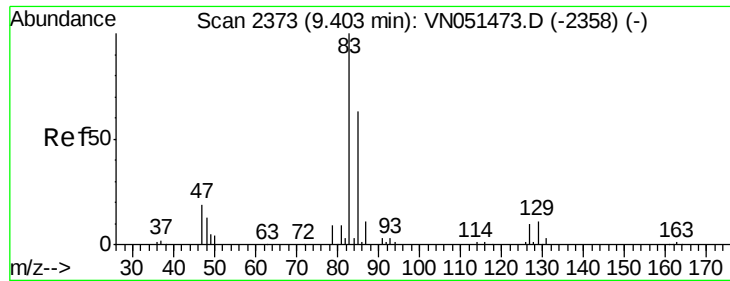
Ion Ratio Lower Upper

93 100

95 83.2 0.0 162.0

174 111.0 0.0 214.0





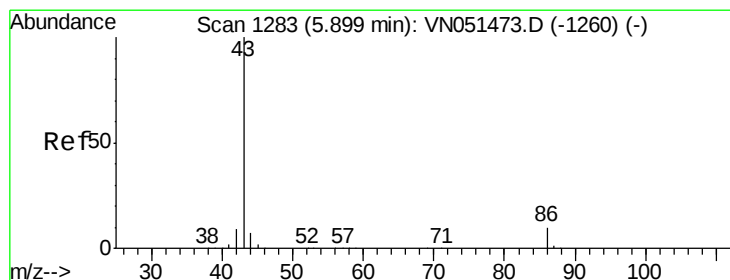
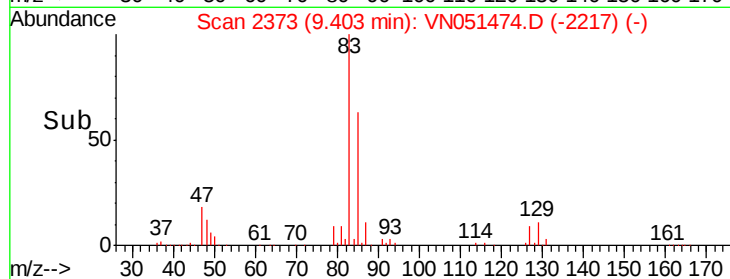
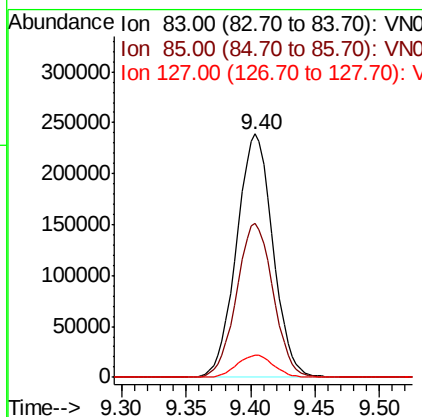
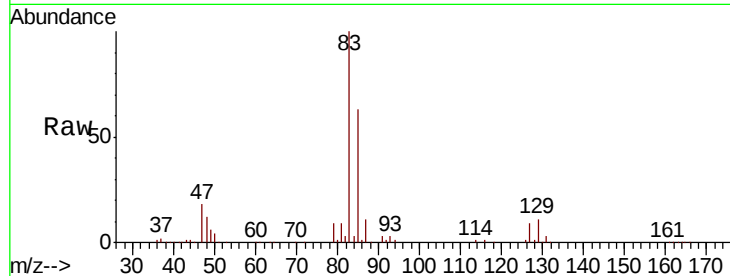
#41
Bromodichloromethane
Concen: 58.404 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	85	127
Resp	468652		
Ratio	100	63.3	9.1
Lower		55.7	8.2
Upper		83.5	12.4

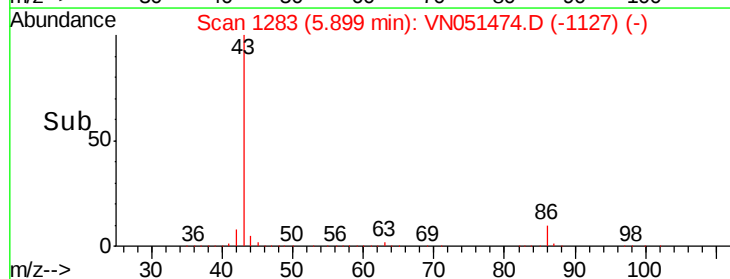
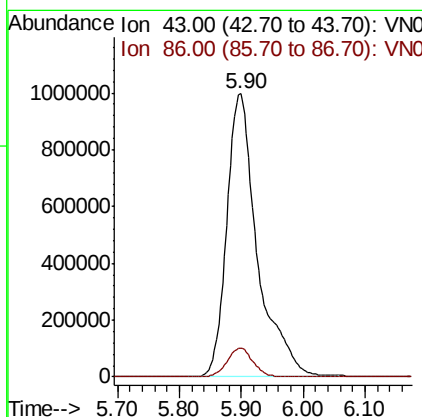
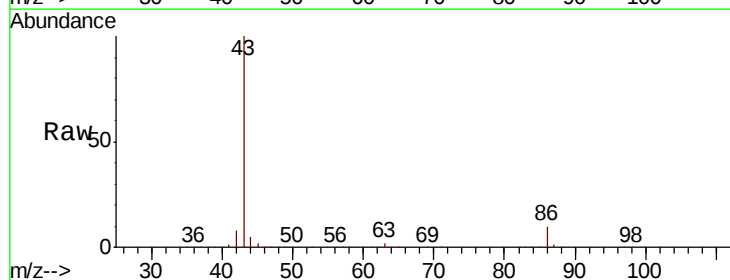
Manual Integrations
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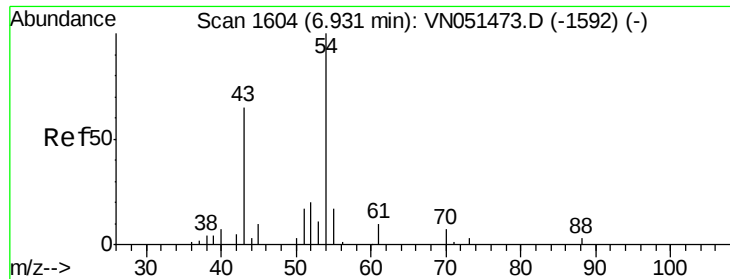
MMDadoda
10/1/2018 11:21:26 AM



#42
Vinyl Acetate
Concen: 301.744 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	43	86
Resp	3441137	
Ratio	100	8.6
Lower		6.5
Upper		9.7





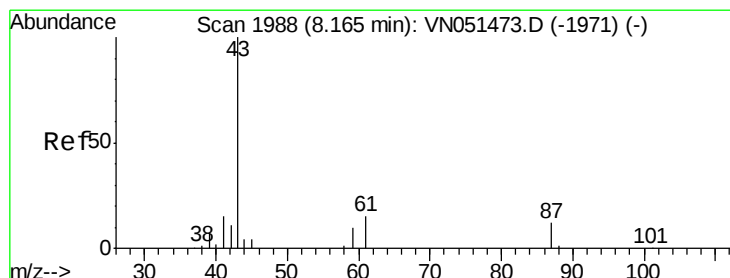
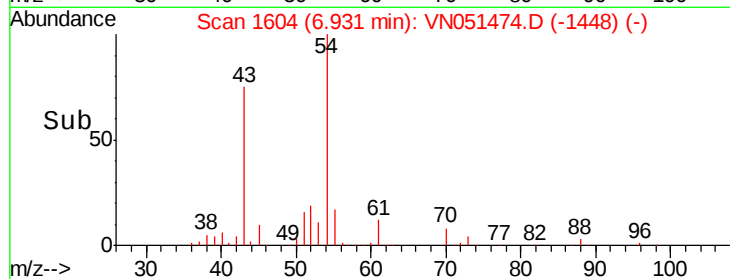
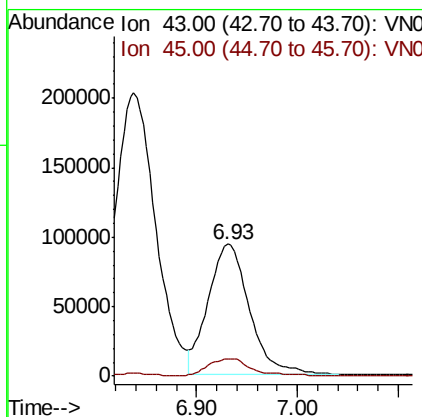
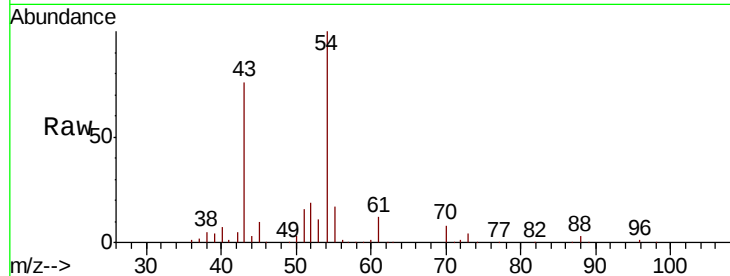
#43
Ethyl Acetate
Concen: 62.527 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
266817	100	12.4		11.0	16.6

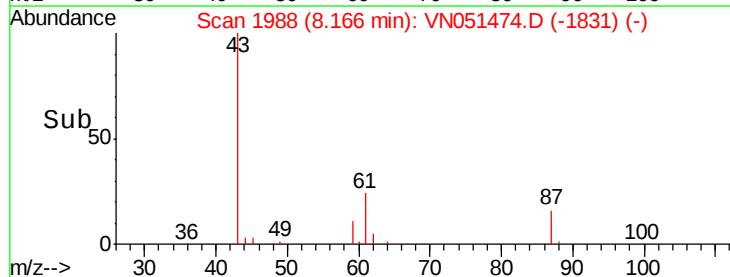
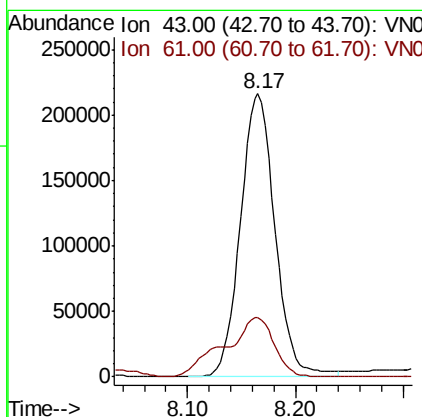
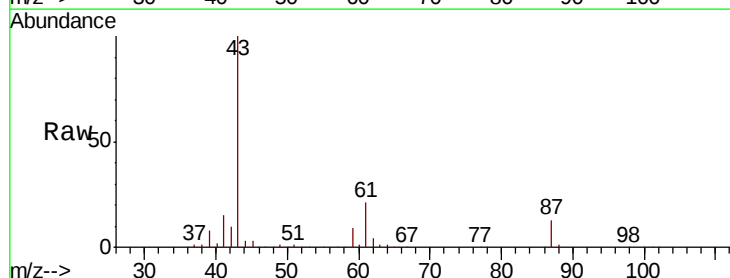
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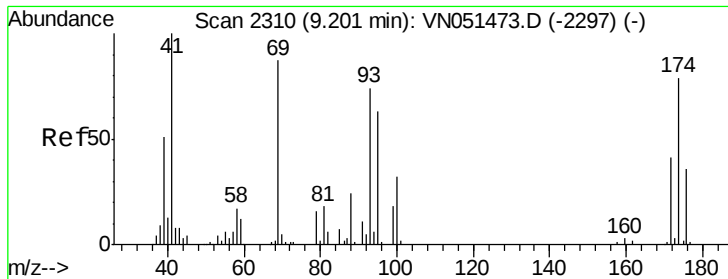
MMDadoda
10/1/2018 11:21:26 AM



#44
Isopropyl Acetate
Concen: 58.498 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	43	61	Ratio	Lower	Upper
480104	100	19.7		15.9	23.9





#45

1,4-Dioxane

Concen: 1201.254 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

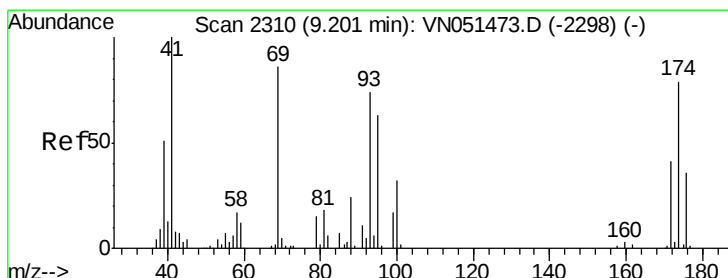
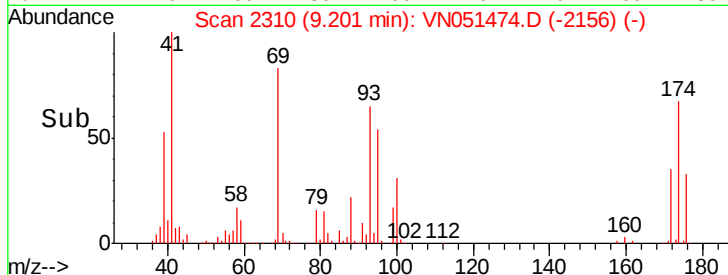
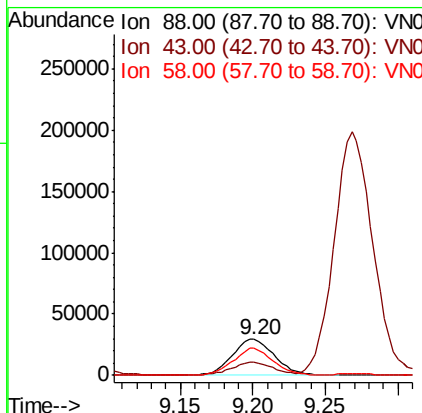
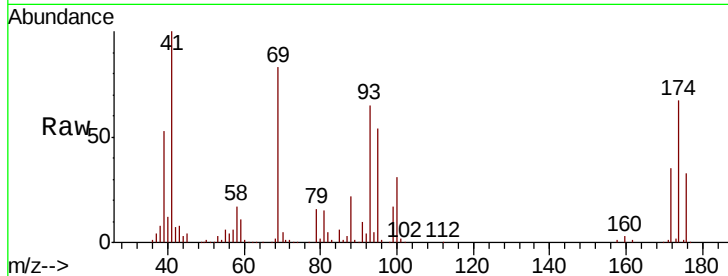
ClientSampleId :

VSTDIC050

Tot Ion:	88	Resp:	59979
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.2
58	70.0	65.6	98.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 59.833 ug/l

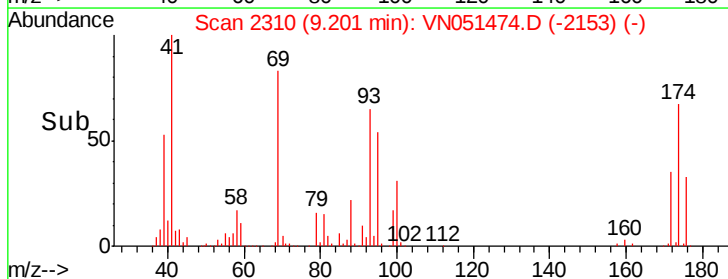
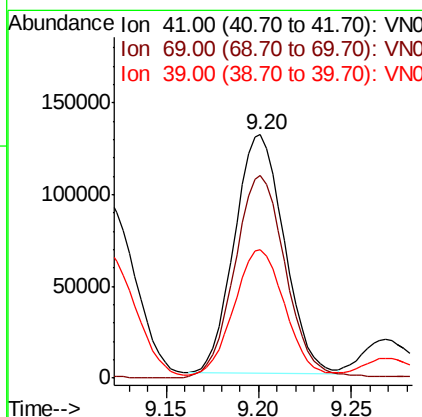
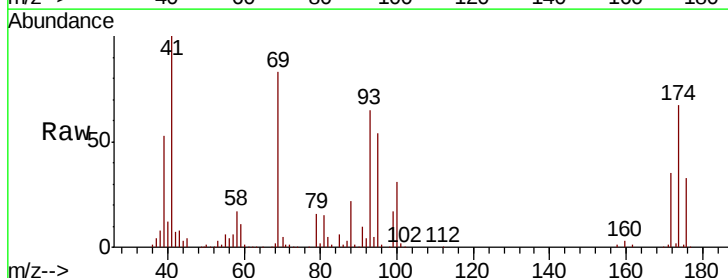
RT: 9.20 min Scan# 2310

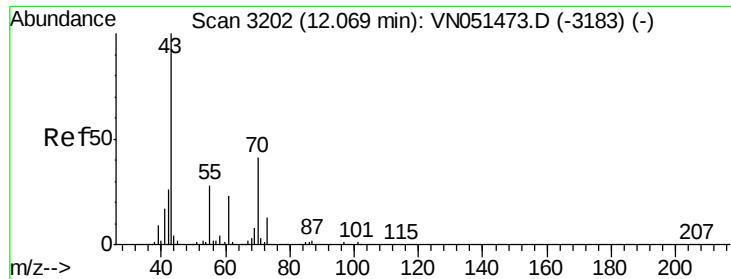
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	41	Resp:	243178
Ion	Ratio	Lower	Upper
41	100		
69	84.4	40.7	122.1
39	52.7	27.3	81.9





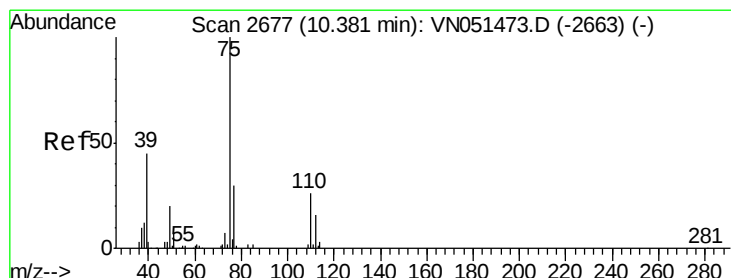
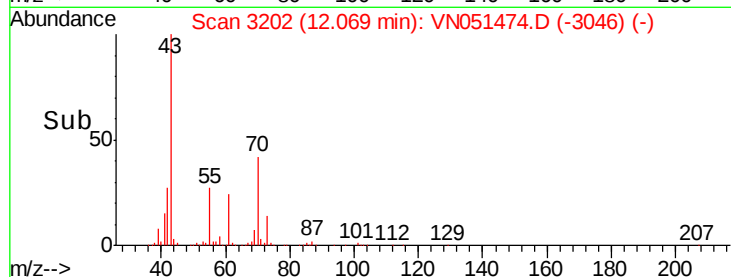
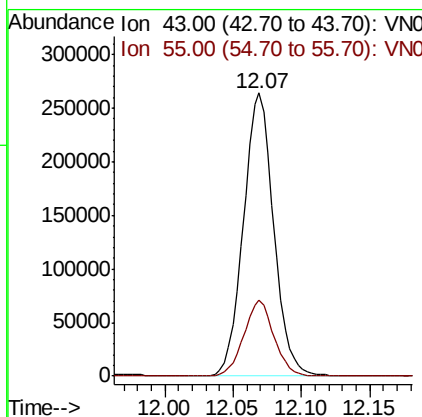
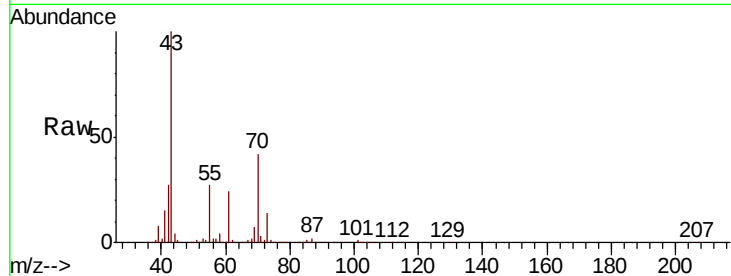
#47
n-amyl Acetate
Concen: 61.918 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
55	26.8	12.2	18.4#

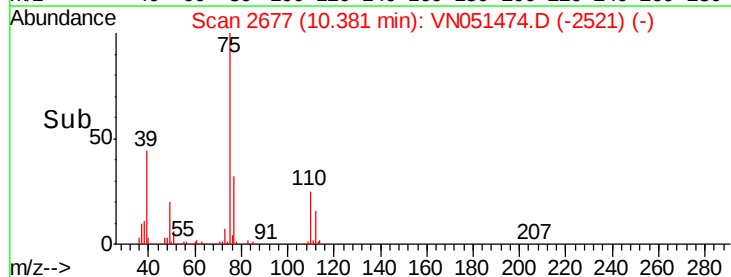
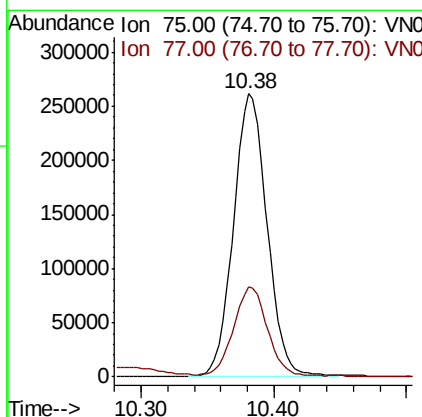
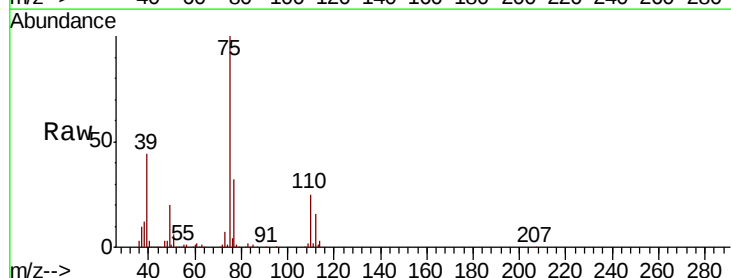
Manual Integrations
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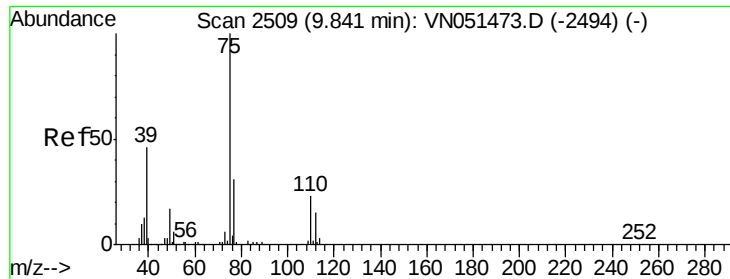
MMDadoda
10/1/2018 11:21:26 AM



#48
t-1,3-Dichloropropene
Concen: 57.911 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0





#49

cis-1,3-Dichloropropene

Concen: 59.465 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

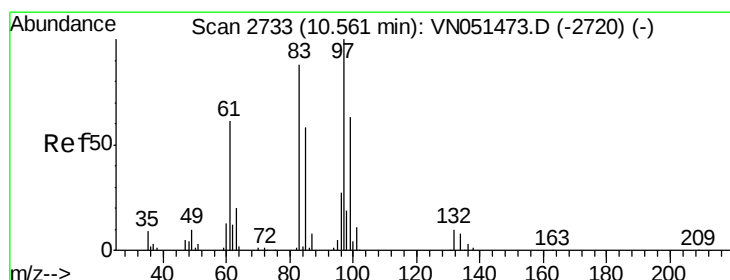
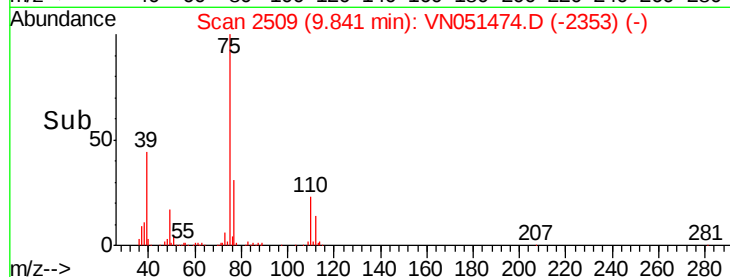
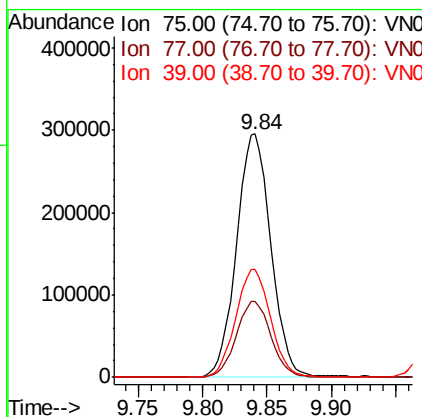
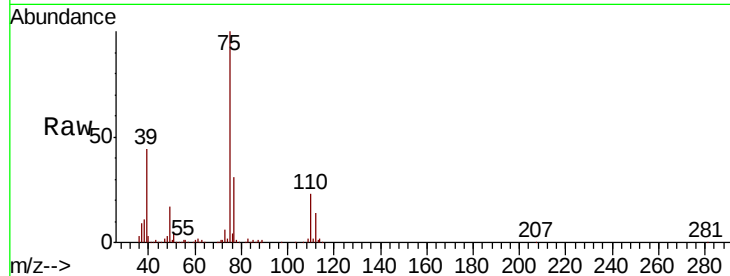
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	548471
Ion Ratio	Lower	Upper	
75	100		
77	31.2	23.2	34.8
39	44.1	34.6	52.0

Manual Integrations
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10/1/2018 11:21:26 AM



#50

1,1,2-Trichloroethane

Concen: 57.878 ug/l

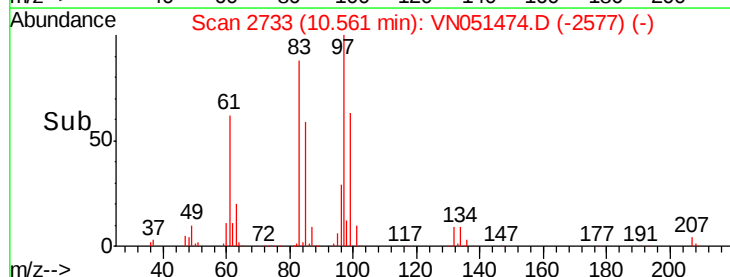
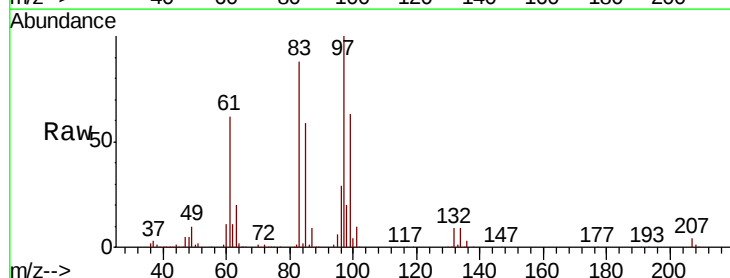
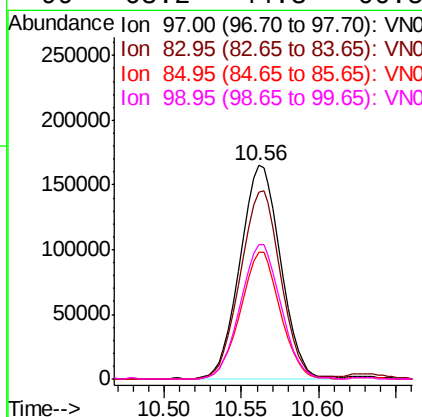
RT: 10.56 min Scan# 2733

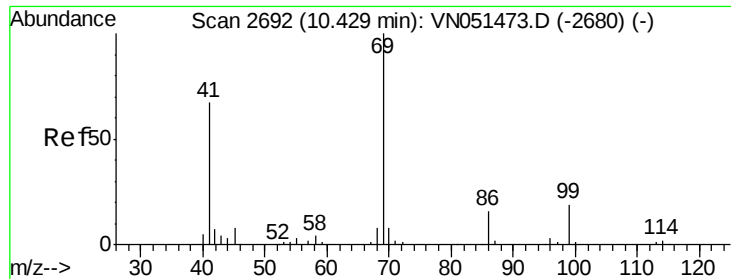
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	97	Resp:	302034
Ion Ratio	Lower	Upper	
97	100		
83	87.6	68.2	102.4
85	59.3	42.5	63.7
99	63.2	44.3	66.5





#51

Ethyl methacrylate

Concen: 60.844 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

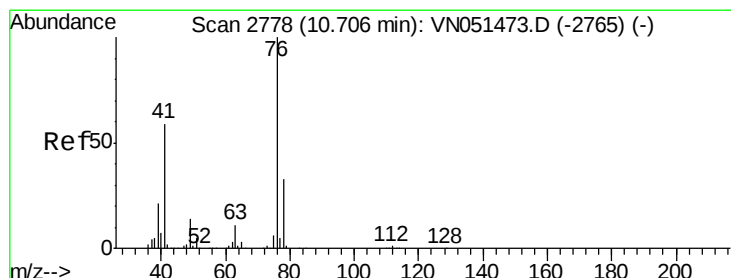
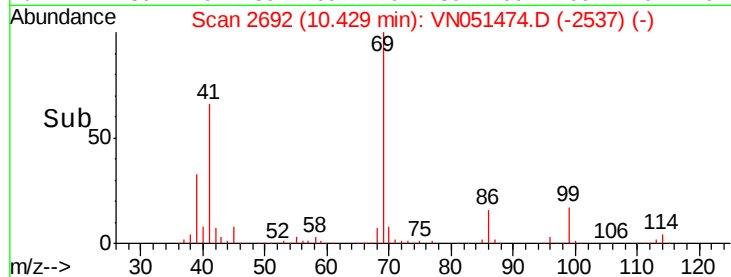
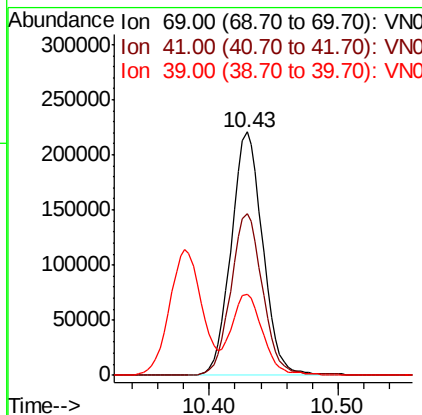
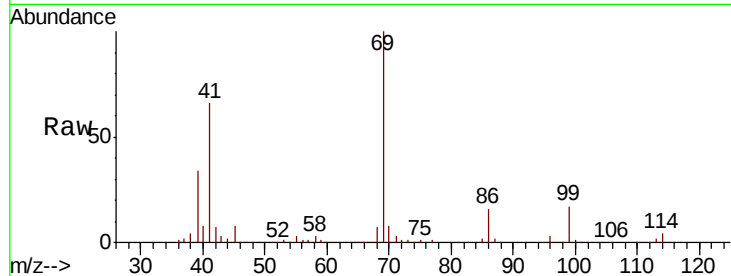
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	375780
Ion	Ratio	Lower	Upper
69	100		
41	66.1	34.4	103.1
39	33.2	16.3	48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 58.917 ug/l

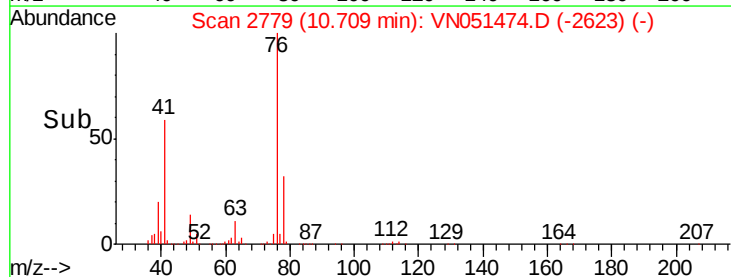
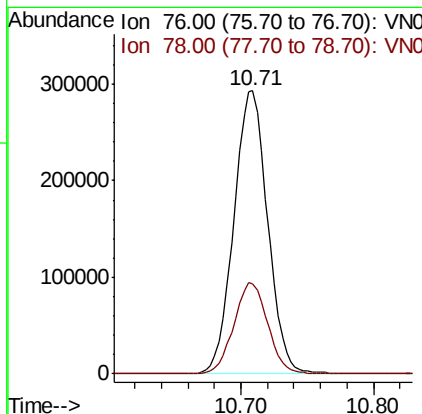
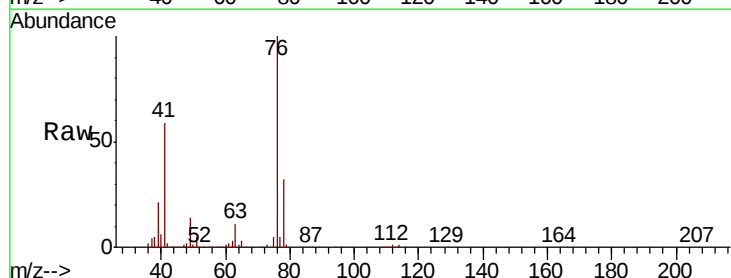
RT: 10.71 min Scan# 2779

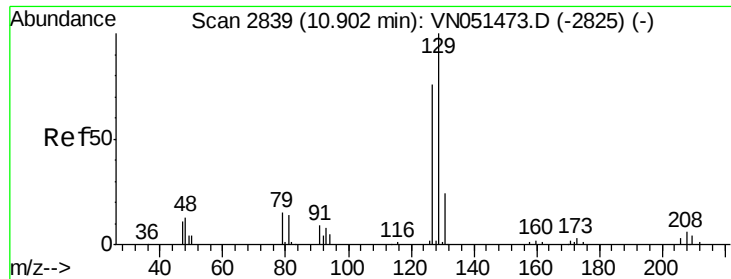
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	76	Resp:	518693
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	67.6





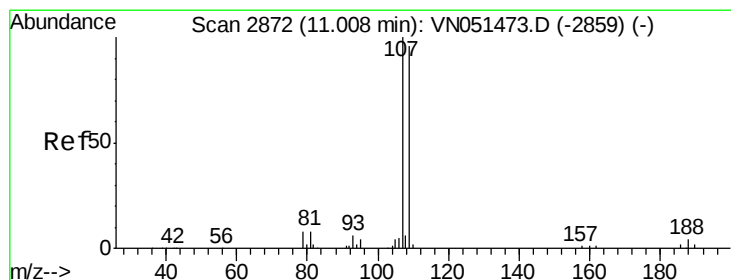
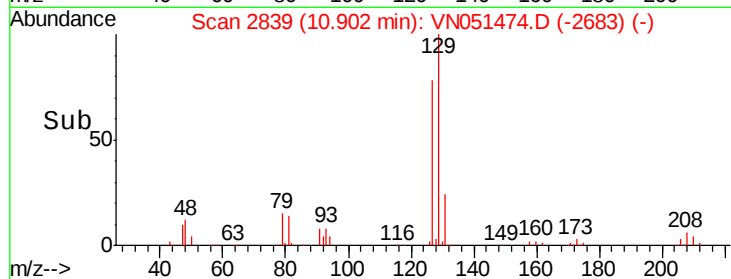
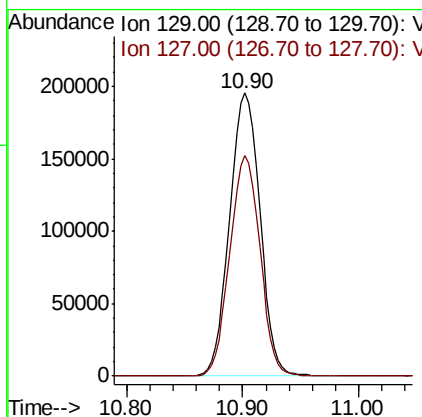
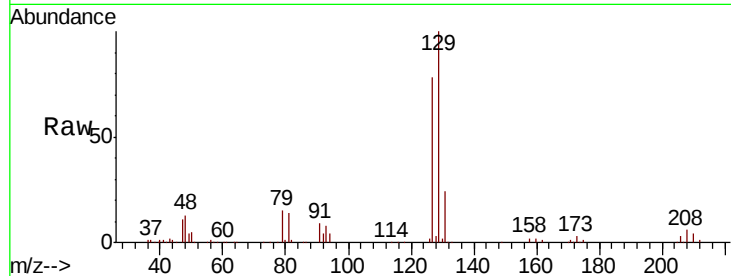
#53
 Dibromochloromethane
 Concen: 59.191 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.1	40.2	120.5

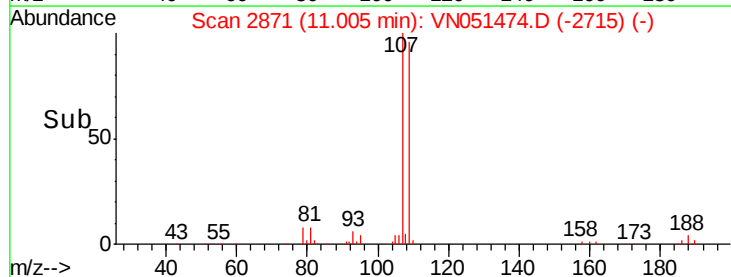
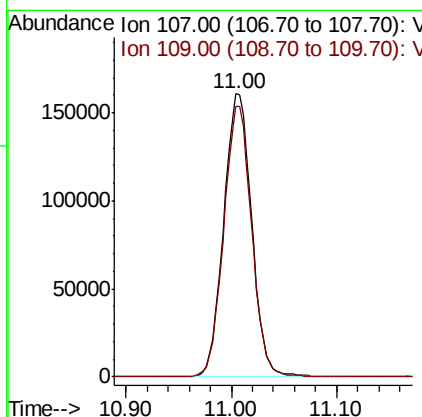
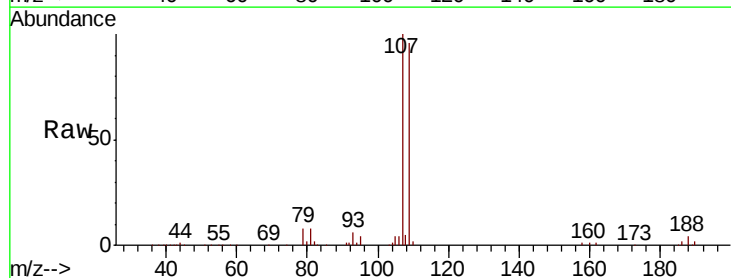
Manual Integrations
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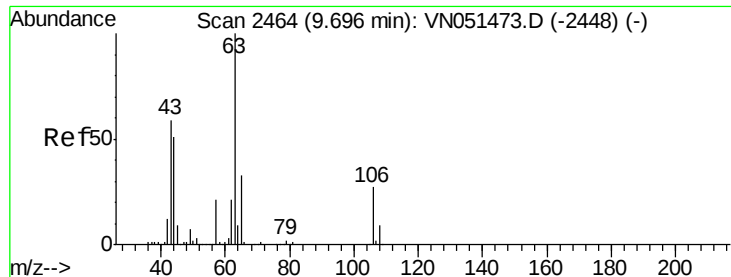
MMDadoda
 10/1/2018 11:21:26 AM



#54
 1,2-Dibromoethane
 Concen: 58.503 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	77.4	116.0





#55

2-Chloroethyl vinyl ether

Concen: 308.019 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

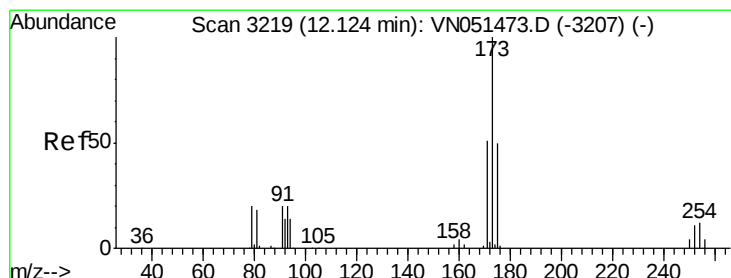
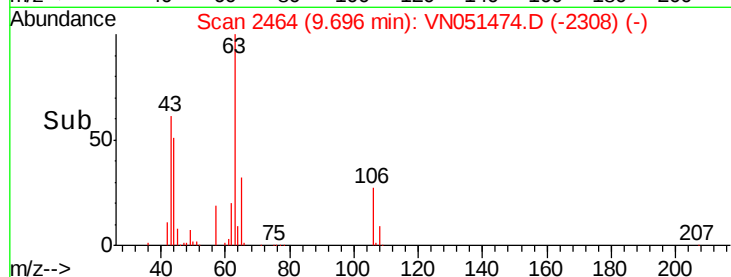
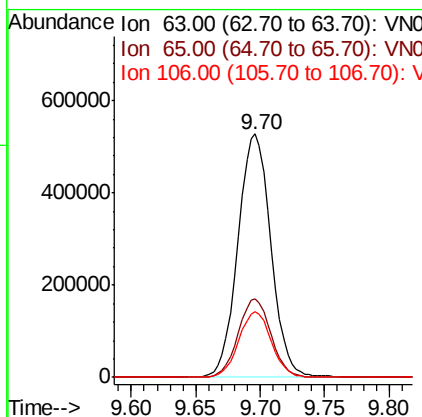
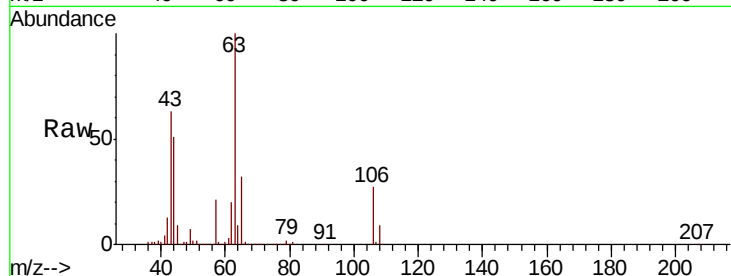
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	939371
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.4	38.0
106	26.8	21.2	31.8

Manual Integrations
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MMDadoda
10/1/2018 11:21:26 AM



#56

Bromoform

Concen: 59.375 ug/l

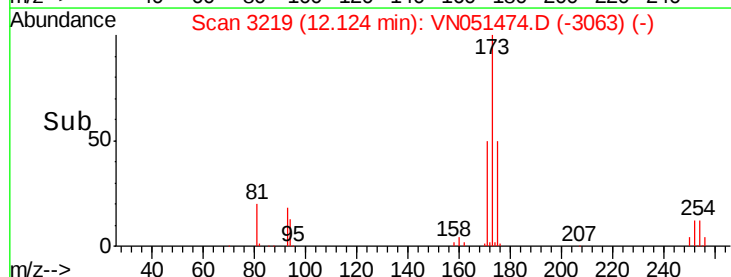
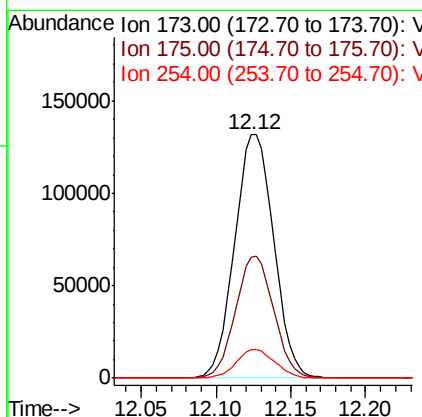
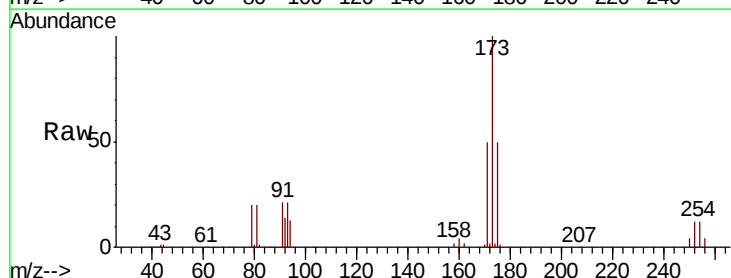
RT: 12.12 min Scan# 3219

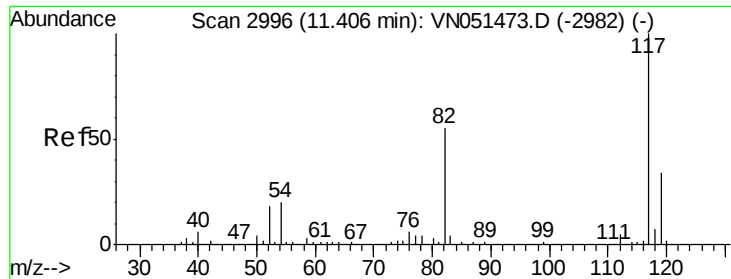
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	173	Resp:	240283
Ion Ratio	Lower	Upper	
173	100		
175	48.7	35.8	53.8
254	11.6	8.6	13.0





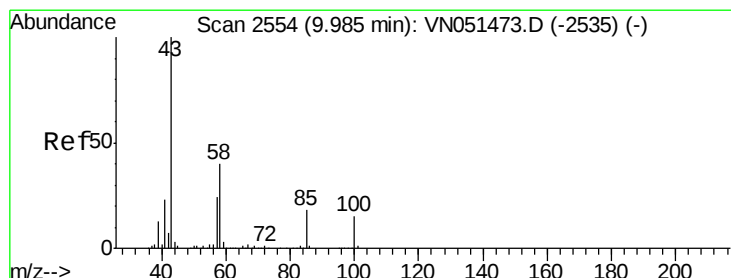
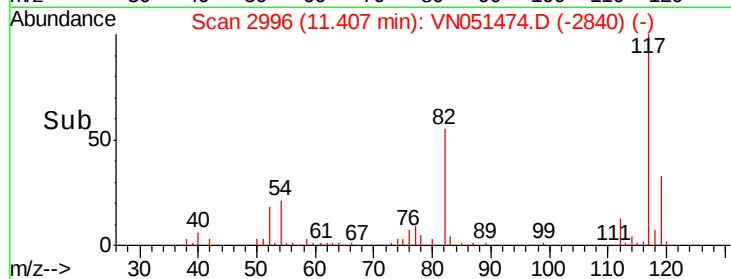
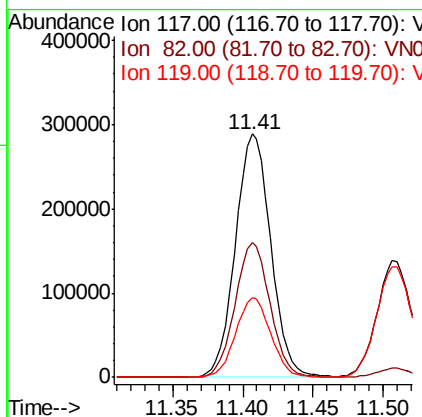
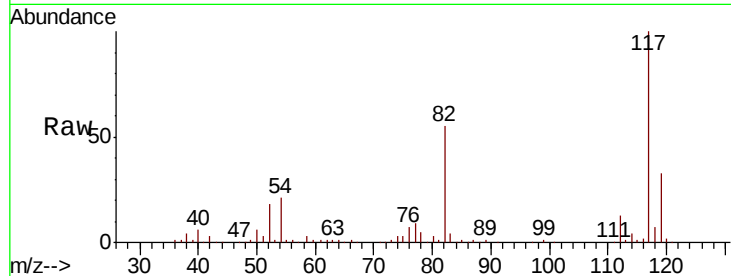
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.1	66.1
119	32.3	25.8	38.8

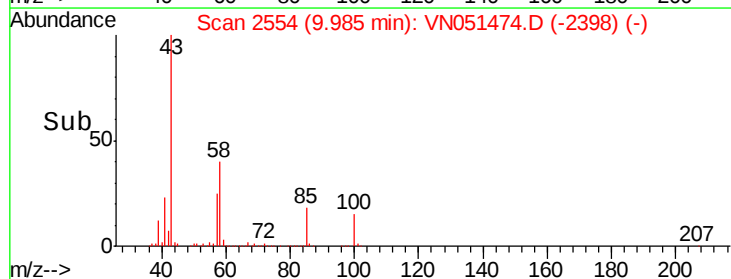
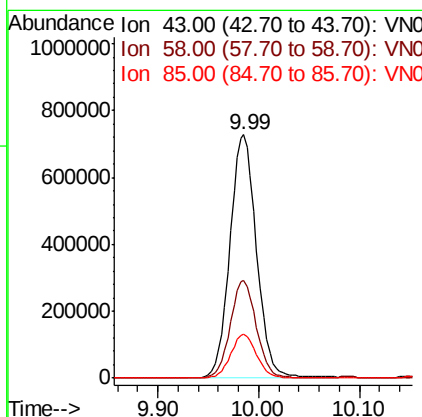
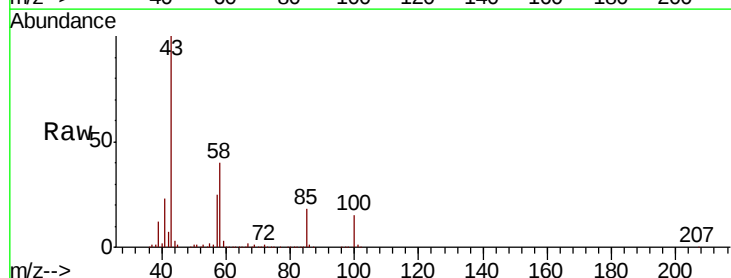
Manual Integrations
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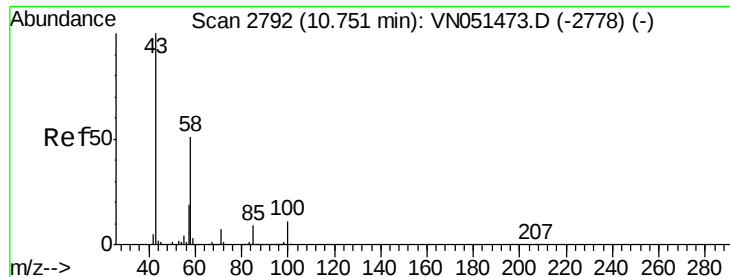
MMDadoda
10/1/2018 11:21:26 AM



#58
4-Methyl-2-Pentanone
Concen: 298.621 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	29.3	43.9
85	17.6	12.6	18.8





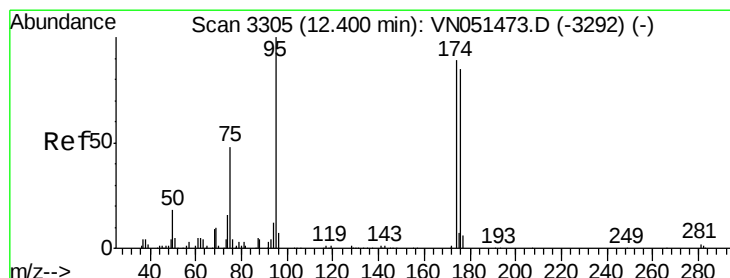
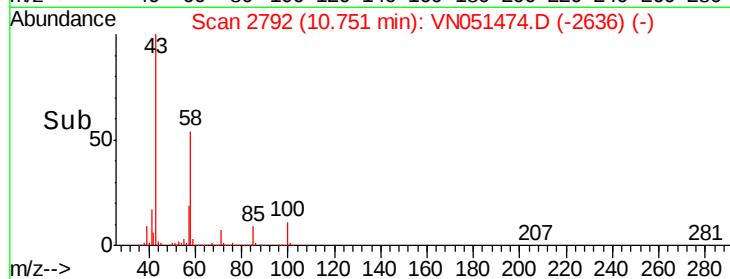
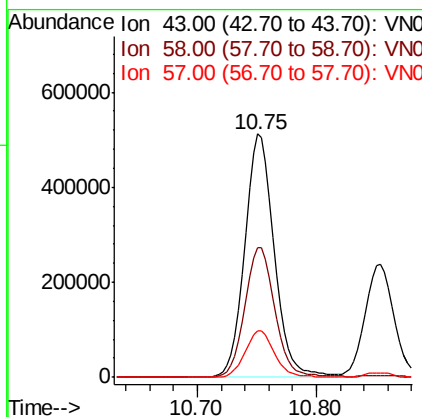
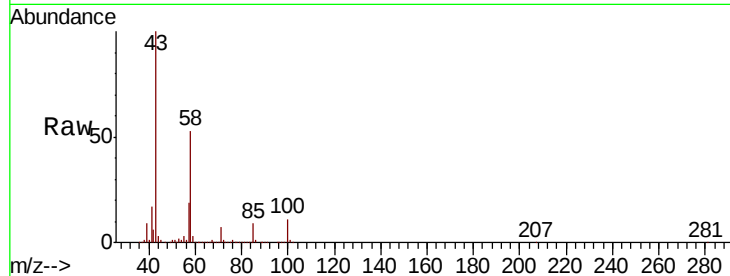
#59
2-Hexanone
Concen: 297.527 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	41.3	61.9
57	19.2	13.4	20.0

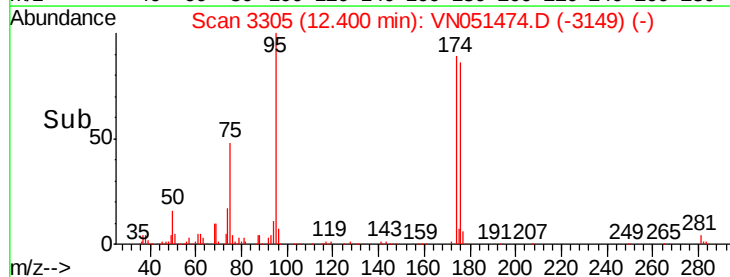
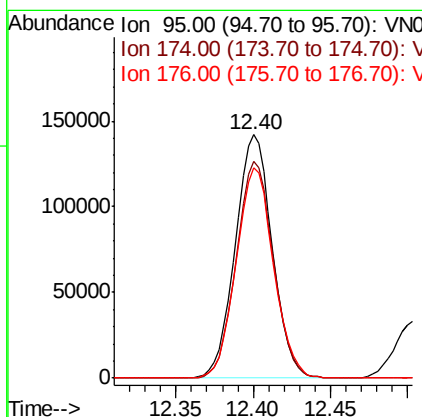
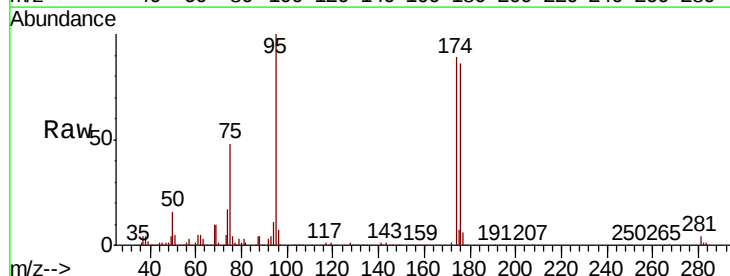
Manual Integrations
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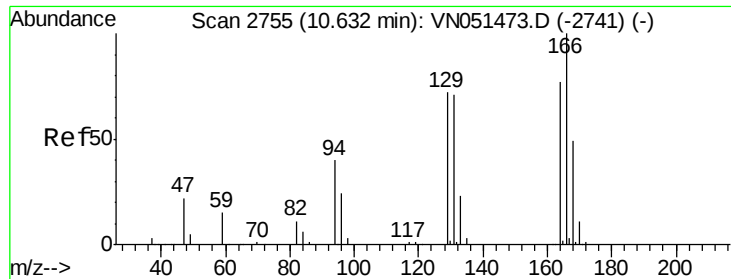
MMDadoda
10/1/2018 11:21:26 AM



#60
4-Bromofluorobenzene
Concen: 31.474 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	73.5	110.3
176	87.6	70.2	105.2





#61

Tetrachloroethene

Concen: 58.334 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 345683

Ion Ratio Lower Upper

164 100

166 128.9 98.7 148.1

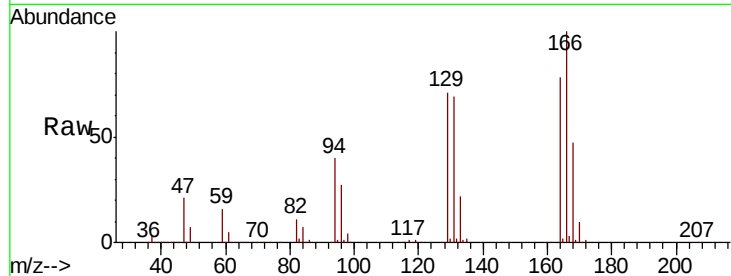
129 91.7 69.6 104.4

131 88.3 72.4 108.6

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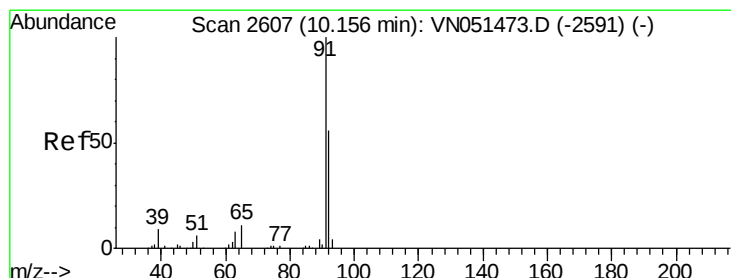
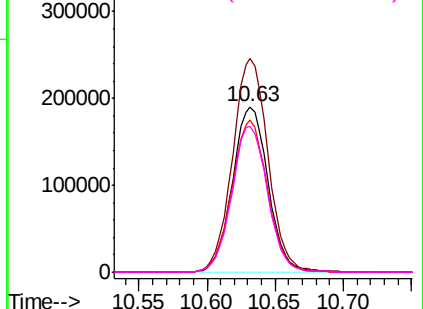
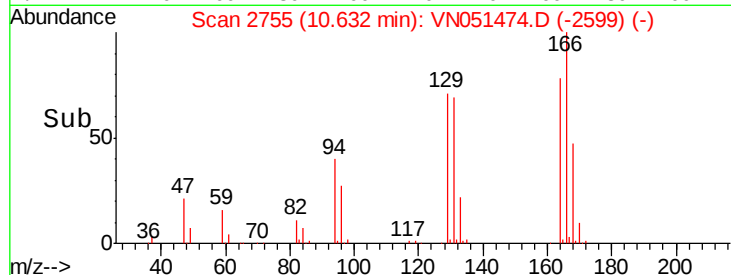


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 58.211 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051474.D

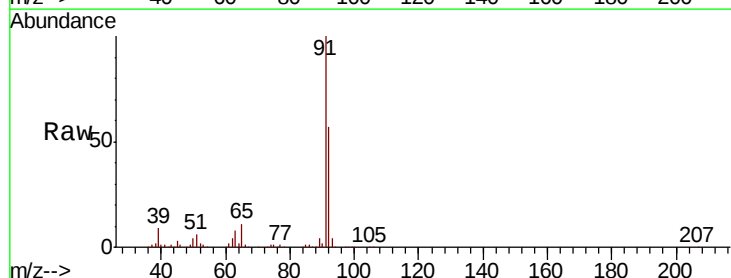
Acq: 25 Sep 2018 10:00

Tgt Ion: 91 Resp: 1517900

Ion Ratio Lower Upper

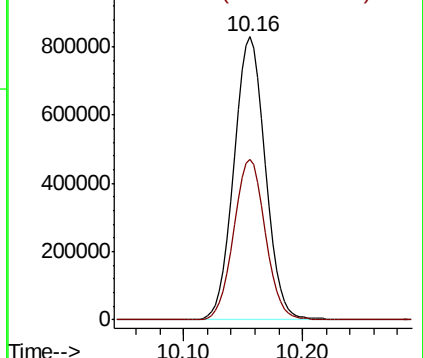
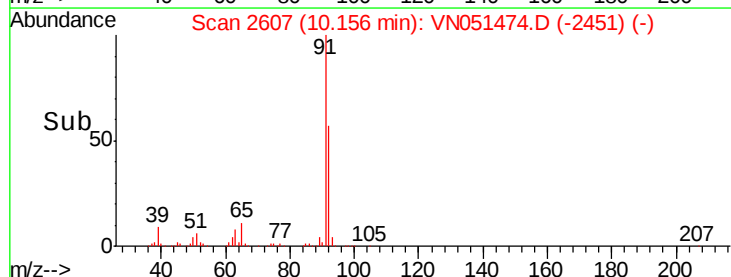
91 100

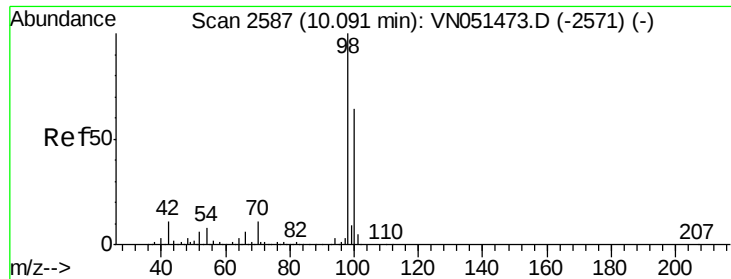
92 57.3 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.843 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 728819

Ion Ratio Lower Upper

98 100

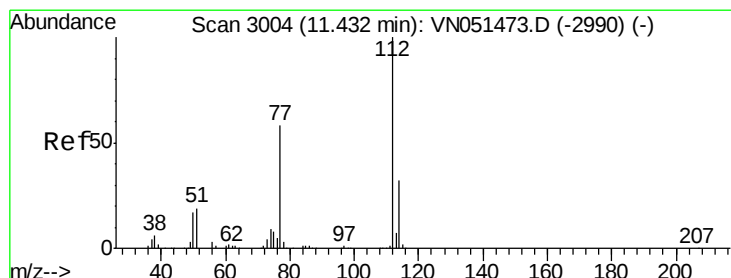
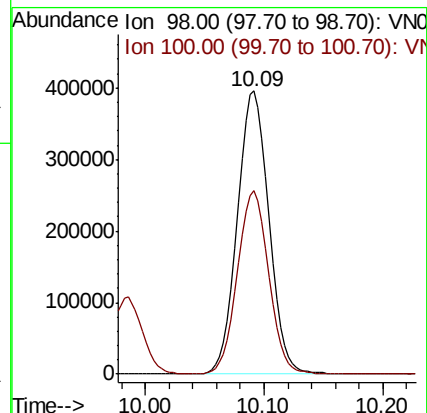
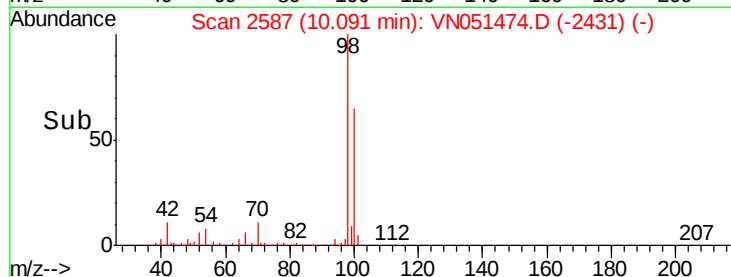
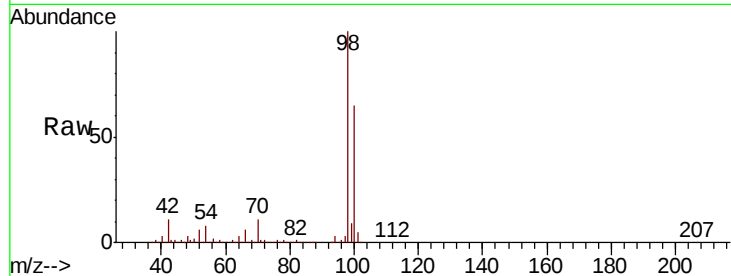
100 64.1 50.8 76.2

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#64

Chlorobenzene

Concen: 58.027 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051474.D

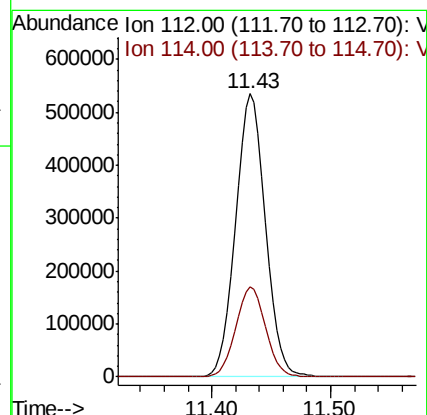
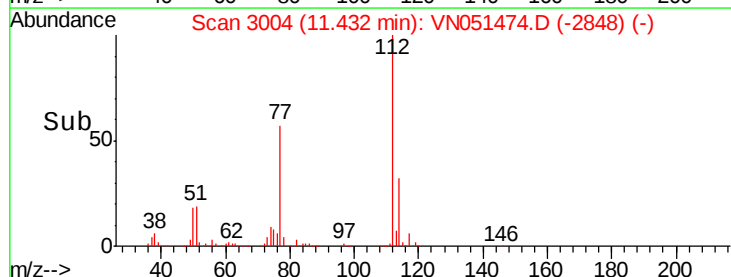
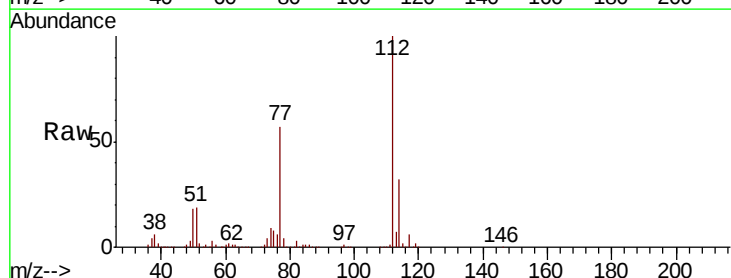
Acq: 25 Sep 2018 10:00

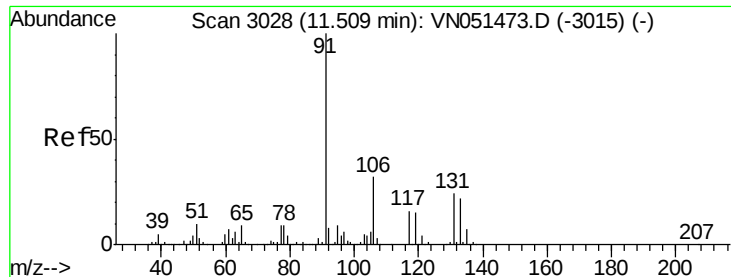
Tgt Ion: 112 Resp: 927678

Ion Ratio Lower Upper

112 100

114 31.7 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 57.746 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

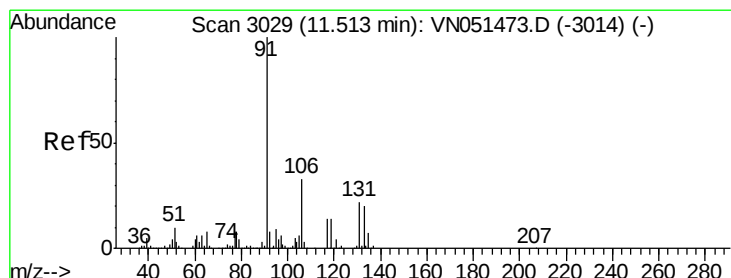
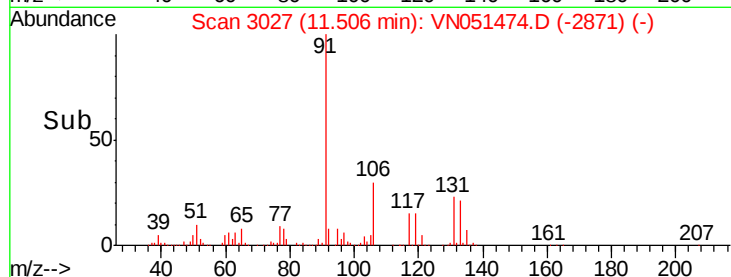
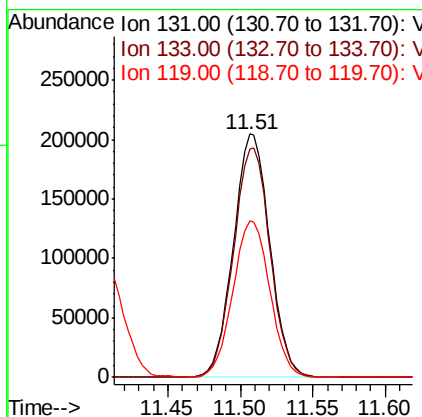
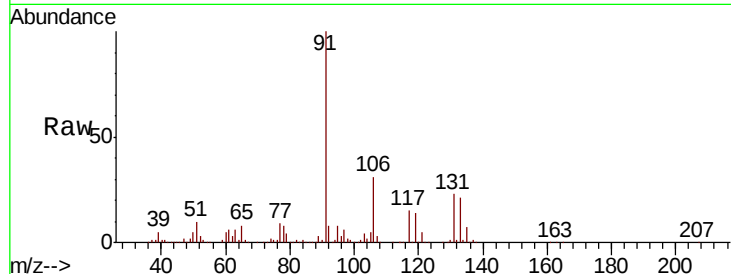
ClientSampled :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	356933		
133	94.9	0.0	190.4	
119	65.5	0.0	128.0	

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#66

Ethyl Benzene

Concen: 59.810 ug/l

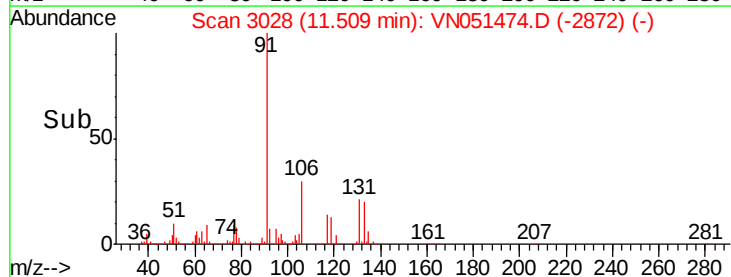
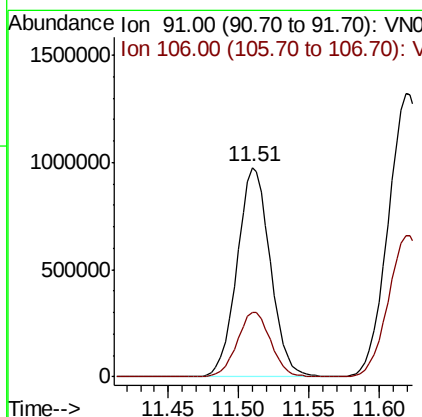
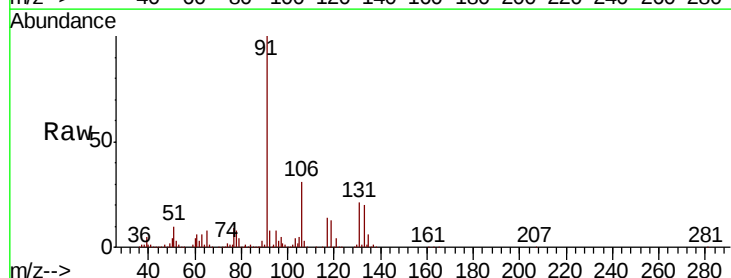
RT: 11.51 min Scan# 3028

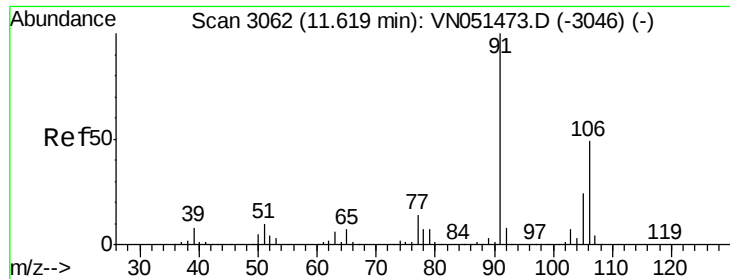
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1608929		
106	31.0	25.9	38.9	





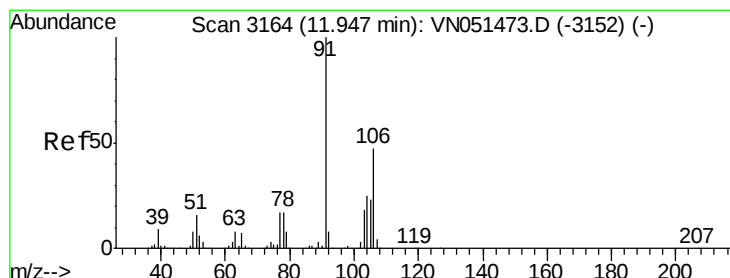
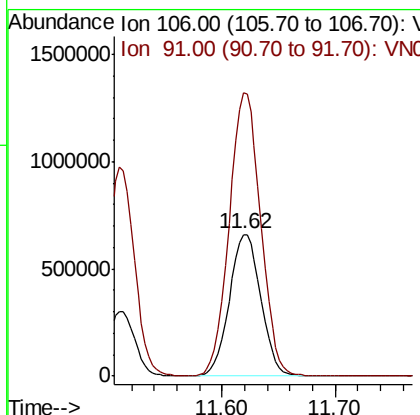
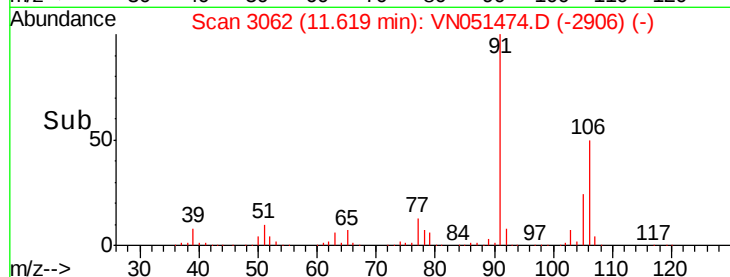
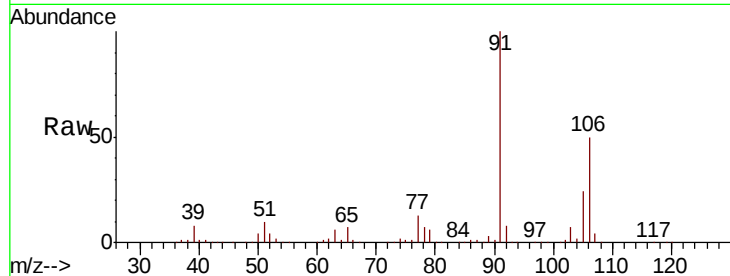
#67
m/p-Xylenes
Concen: 122.934 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:106 Resp: 1273116
Ion Ratio Lower Upper
106 100
91 200.3 158.8 238.2

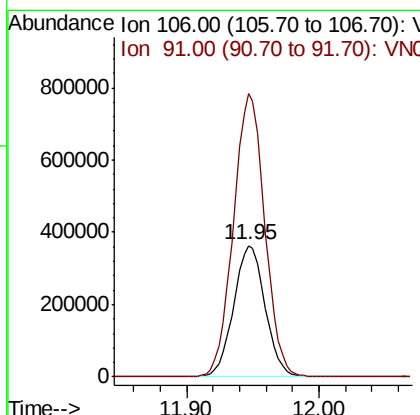
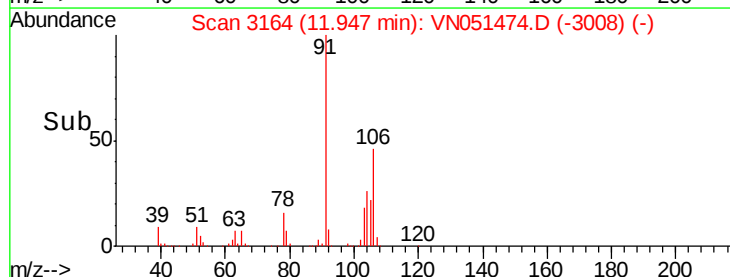
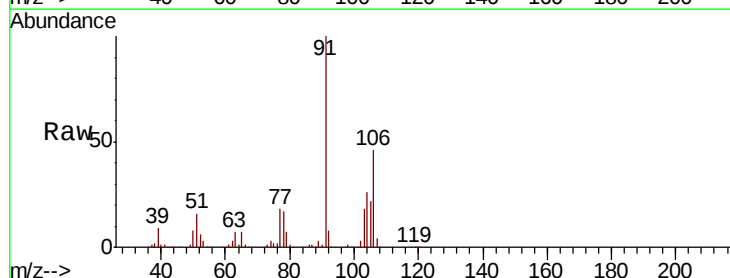
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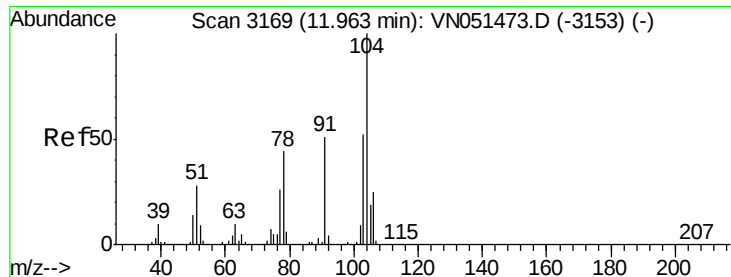
MMDadoda
10/1/2018 11:21:26 AM



#68
o-Xylene
Concen: 60.527 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion:106 Resp: 597004
Ion Ratio Lower Upper
106 100
91 214.7 111.1 333.3





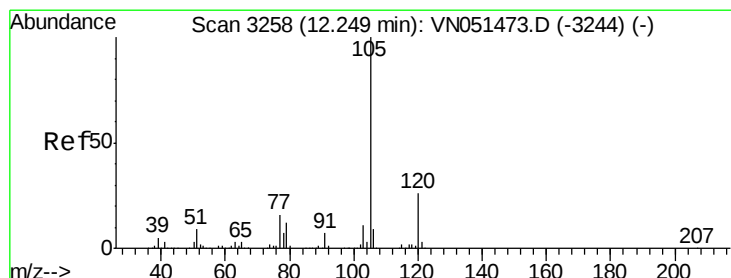
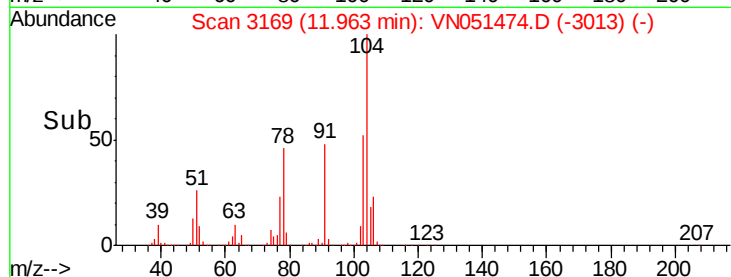
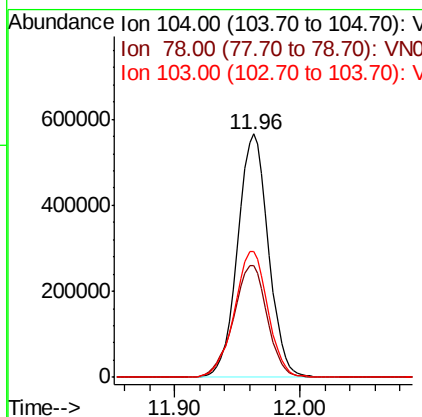
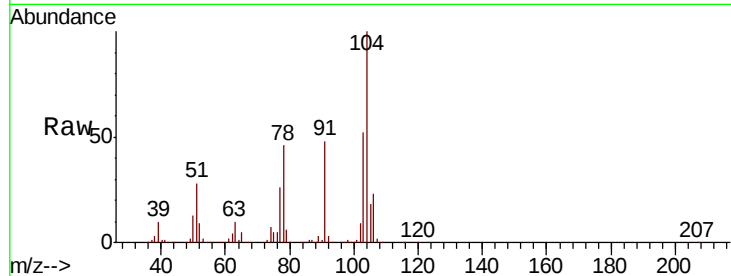
#69
Stvrene
Concen: 61.879 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
104	100	964121		
78	50.7	40.6	60.8	
103	56.4	44.0	66.0	

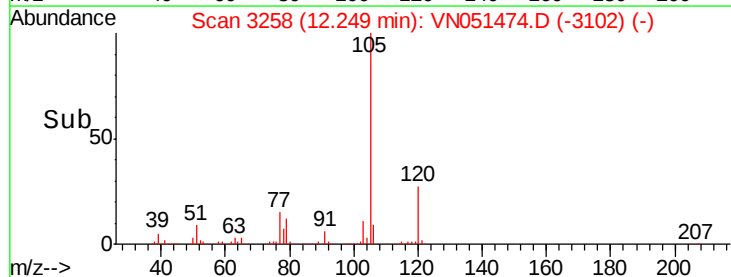
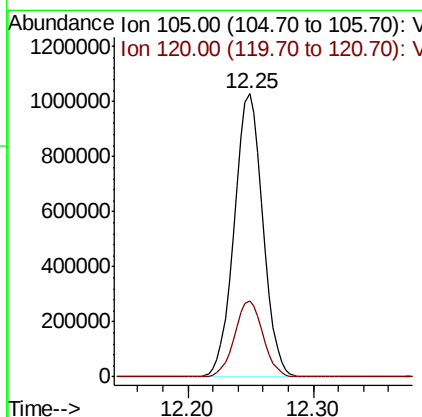
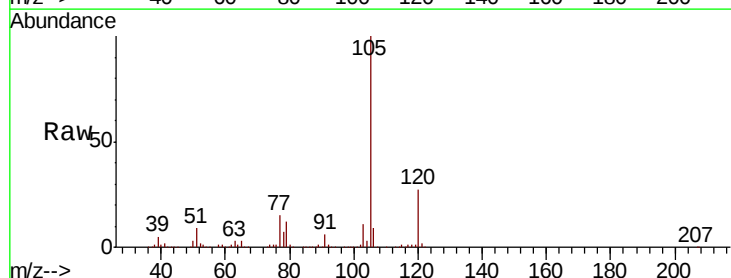
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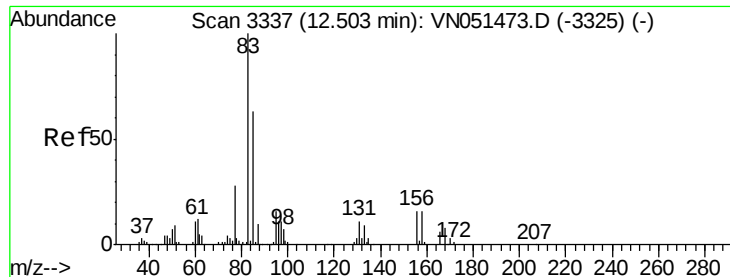
MMDadoda
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#70
Isopropylbenzene
Concen: 61.397 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1620720		
120	26.9	19.0	35.4	





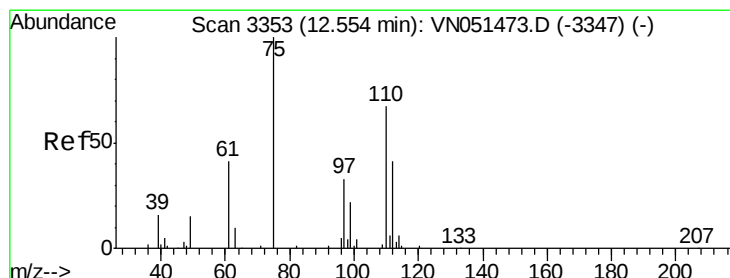
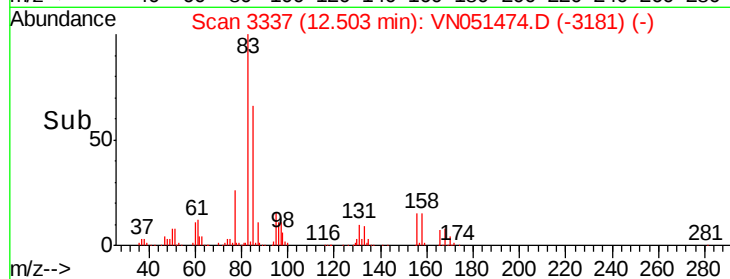
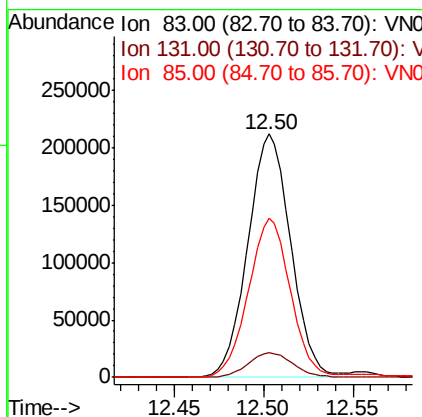
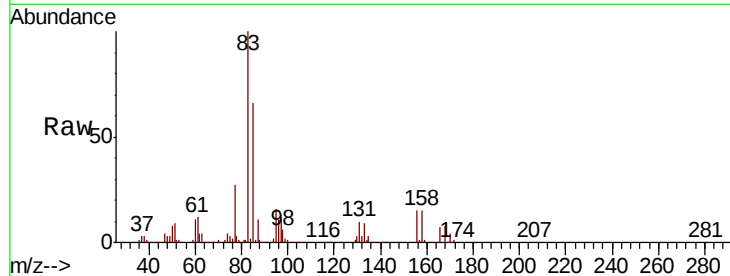
#71
 1,1,2,2-Tetrachloroethane
 Concen: 57.307 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	356094		
131	10.7	5.5	16.4	
85	64.1	30.6	91.8	

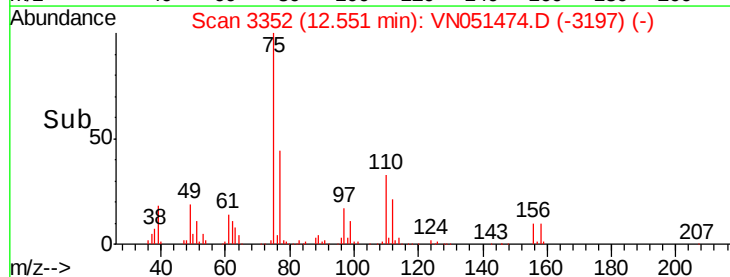
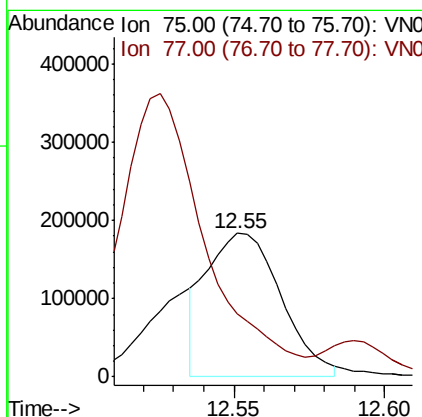
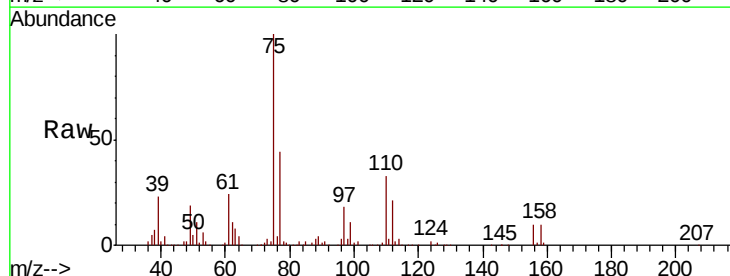
Manual Integrations
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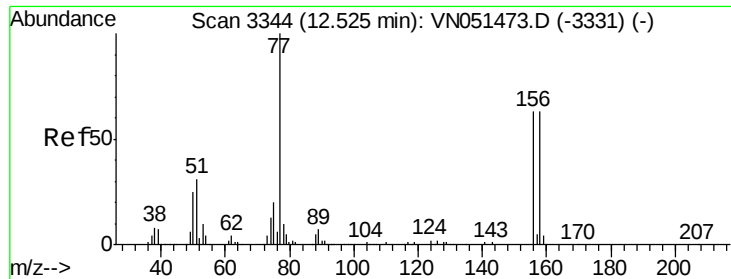
MMDadoda
 10/1/2018 11:21:26 AM



#72
 1,2,3-Trichloropropane
 Concen: 64.640 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	316748		
77	226.6	0.0	400.0	





#73

Bromobenzene

Concen: 59.098 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

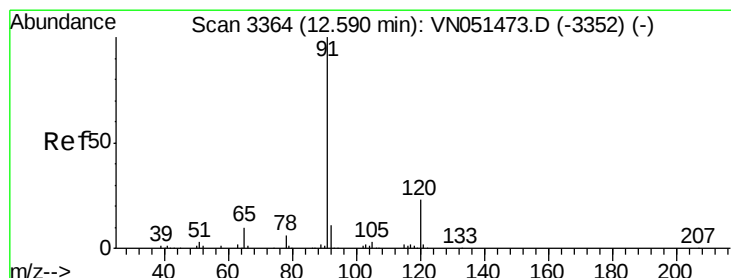
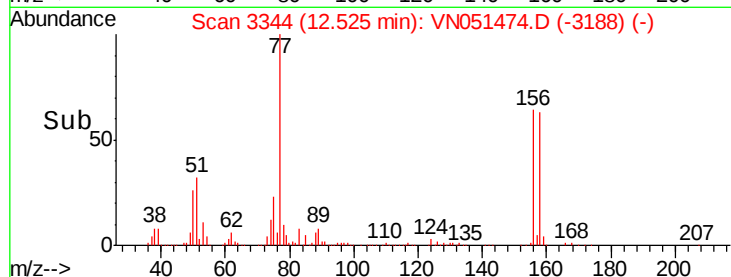
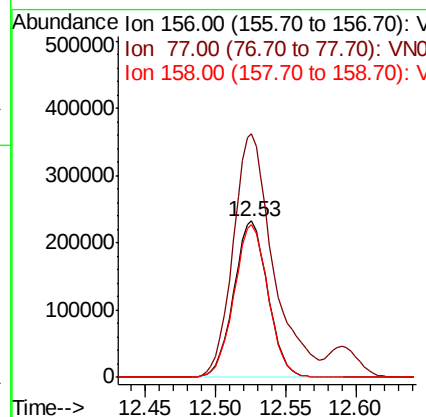
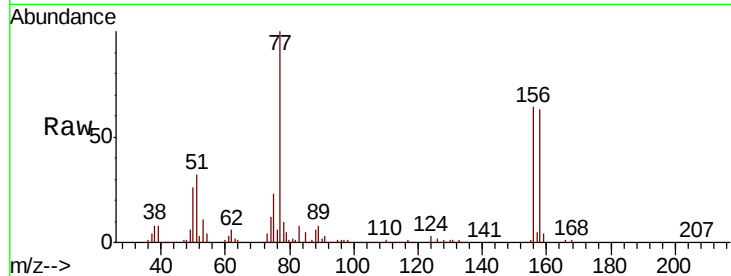
ClientSampled :

VSTDIC050

Tot Ion:	156	Resp:	393161
Ion Ratio	Lower	Upper	
156	100		
77	182.6	0.0	377.4
158	97.8	0.0	203.0

Manual Integrations
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#74

n-propylbenzene

Concen: 60.861 ug/l

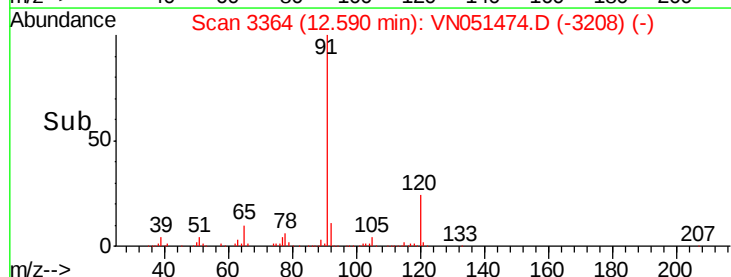
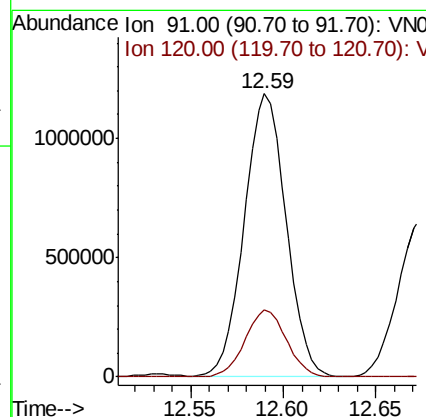
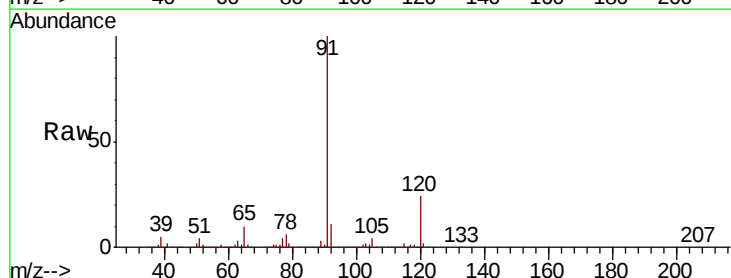
RT: 12.59 min Scan# 3364

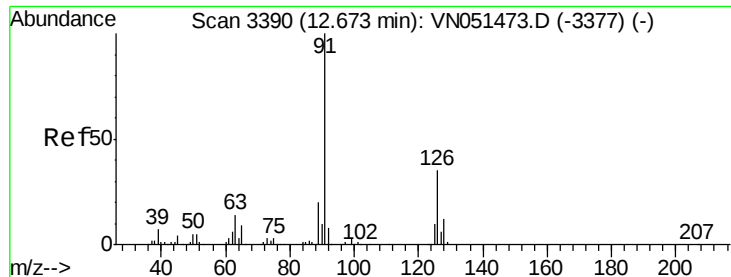
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	91	Resp:	1867743
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	45.0





#75

2-Chlorotoluene

Concen: 60.428 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 1094381

Ion Ratio Lower Upper

91 100

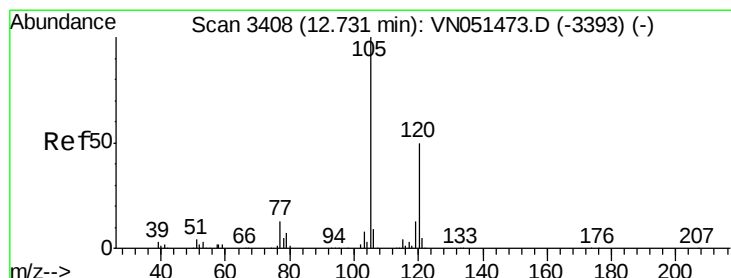
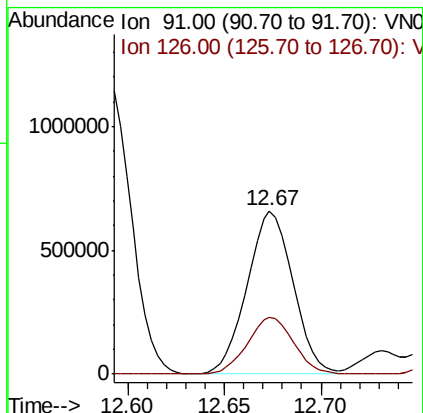
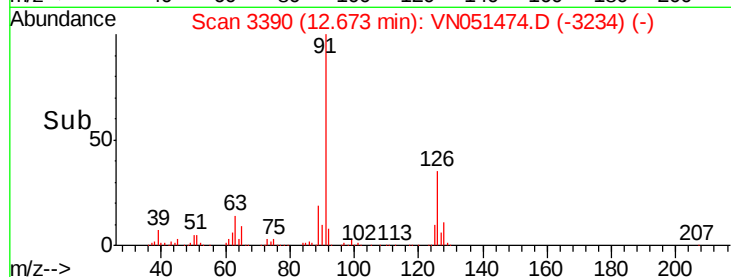
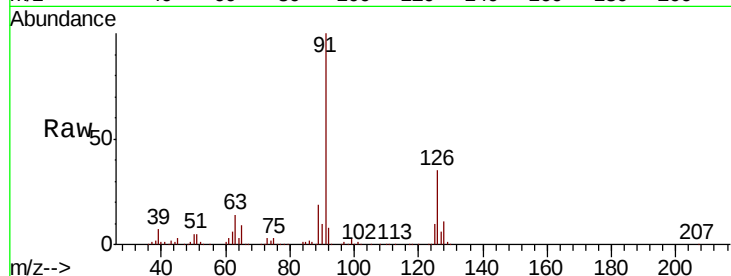
126 34.8 0.0 67.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 62.419 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051474.D

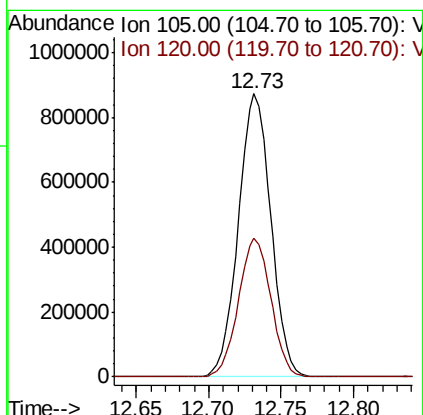
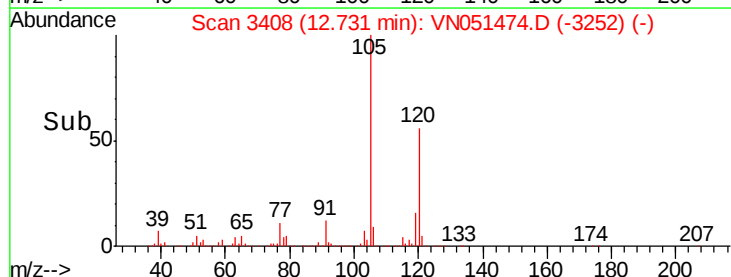
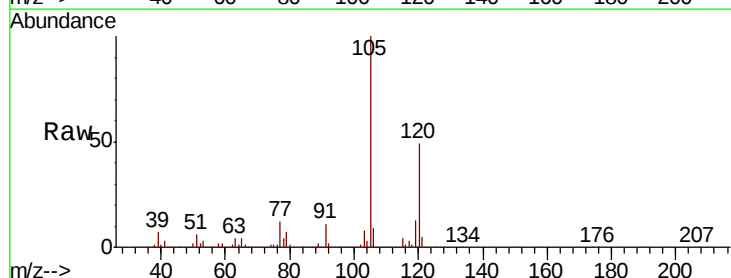
Acq: 25 Sep 2018 10:00

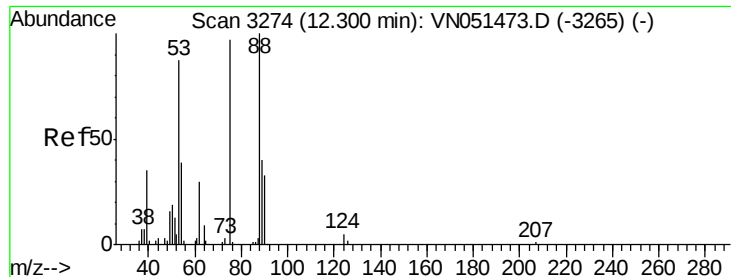
Tgt Ion: 105 Resp: 1359568

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 59.341 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Instrument :

MSVOA_N

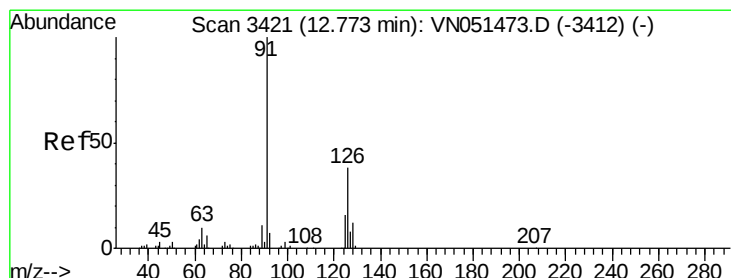
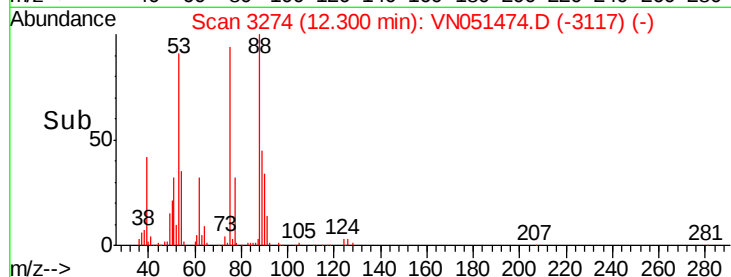
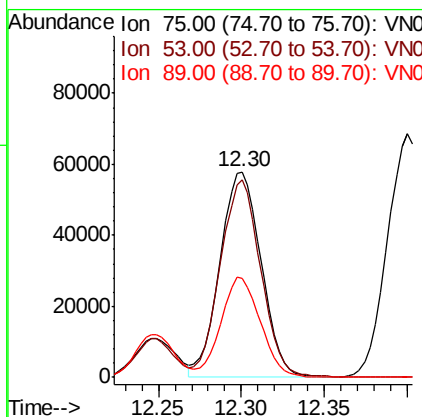
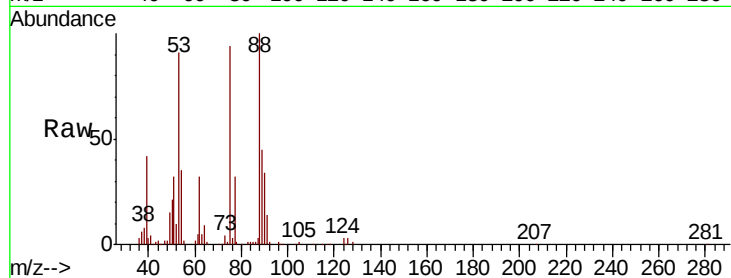
ClientSampled :

VSTDIC050

Tot Ion:	75	Resp:	100279
Ion	Ratio	Lower	Upper
75	100		
53	96.6	46.3	138.9
89	48.4	24.6	73.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 61.128 ug/l

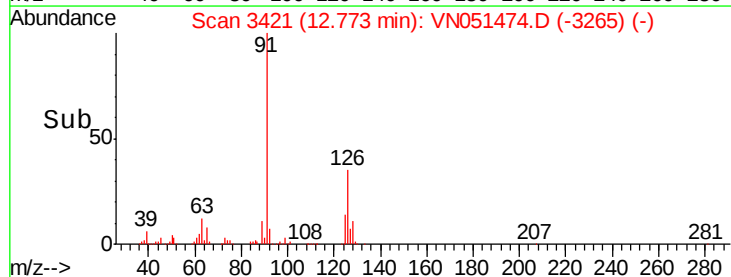
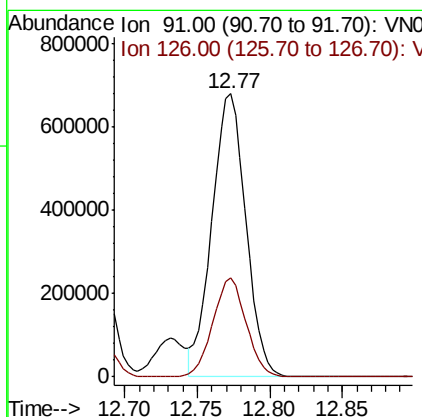
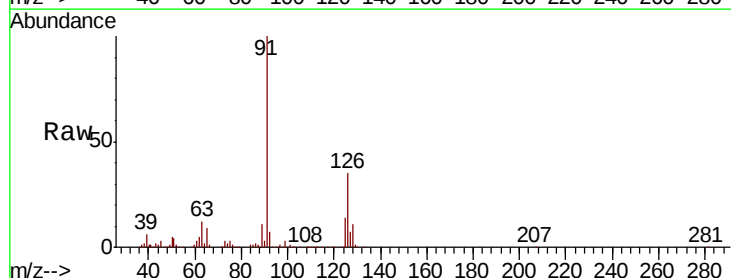
RT: 12.77 min Scan# 3421

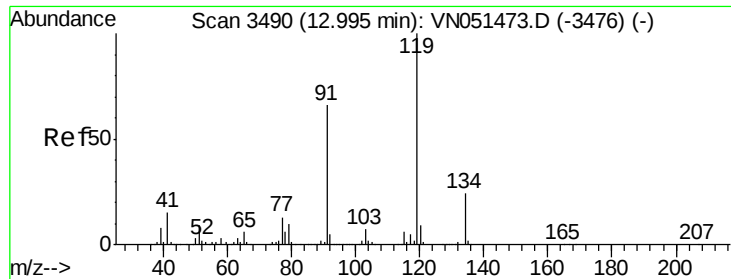
Delta R.T. 0.00 min

Lab File: VN051474.D

Acq: 25 Sep 2018 10:00

Tgt Ion:	91	Resp:	1098028
Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	65.2





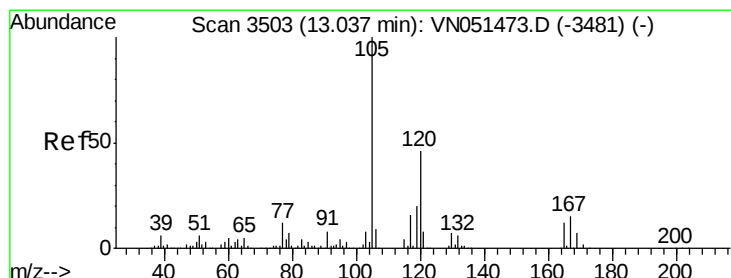
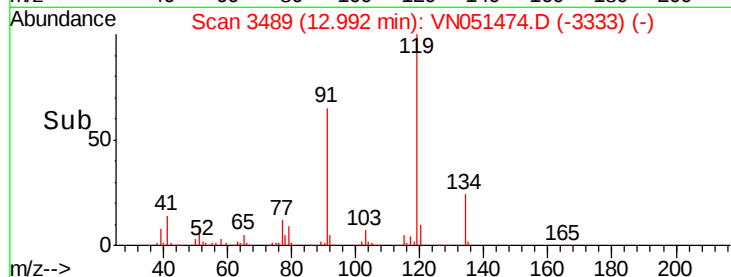
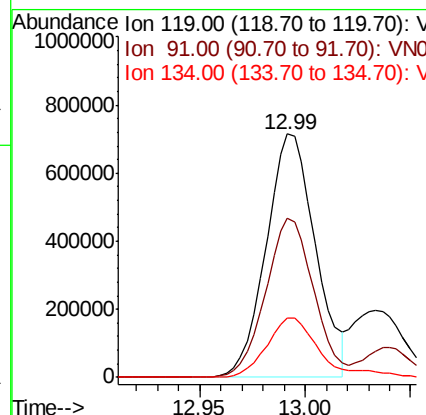
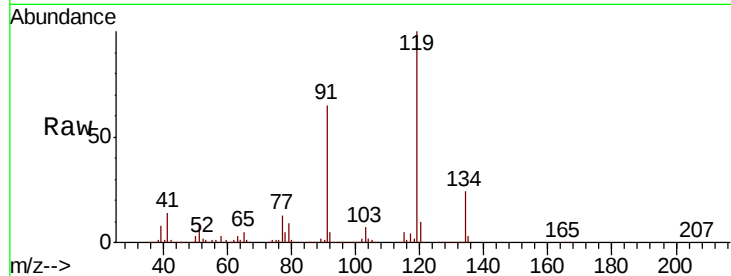
#79
tert-butylbenzene
Concen: 61.288 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	0.0	131.6
134	24.3	0.0	46.2

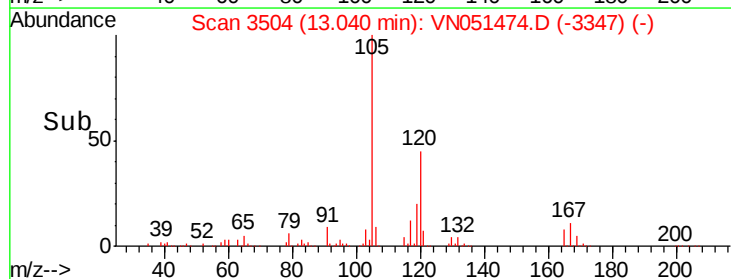
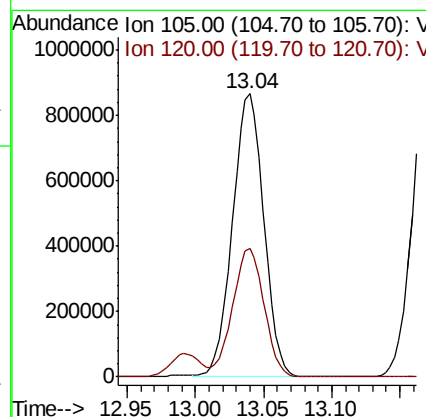
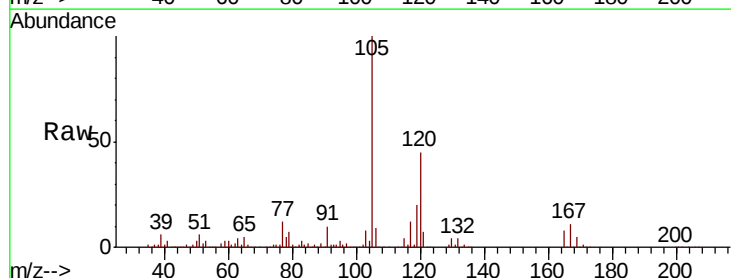
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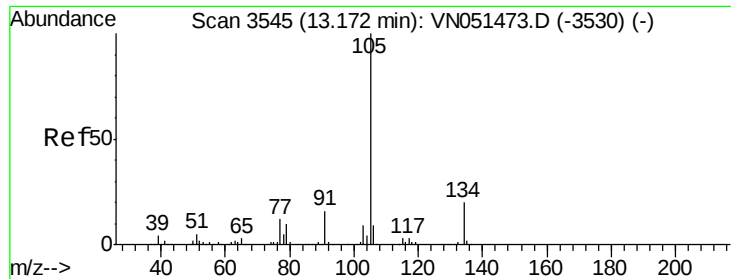
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 62.876 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	0.0	89.6





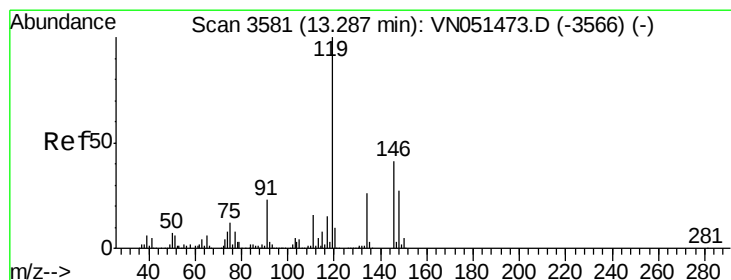
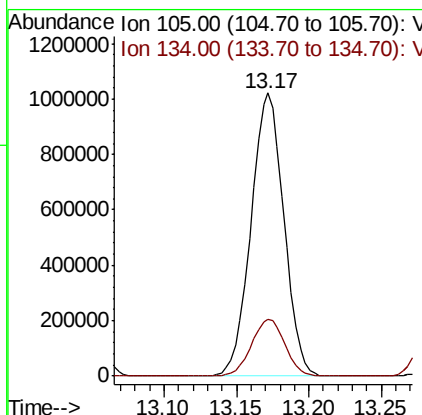
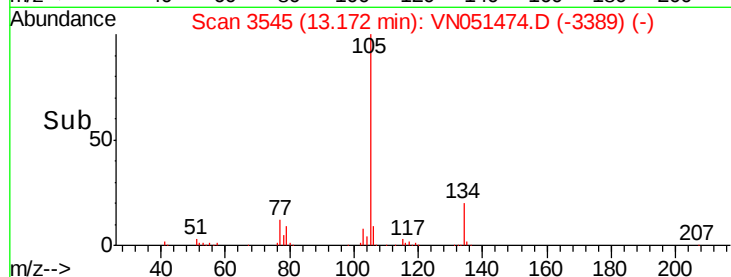
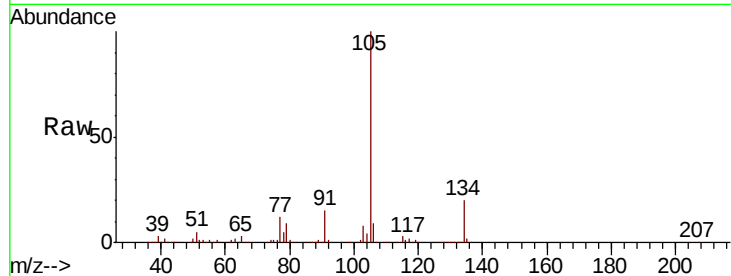
#81
 sec-Butylbenzene
 Concen: 61.763 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:105 Resp: 1611258
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 39.4

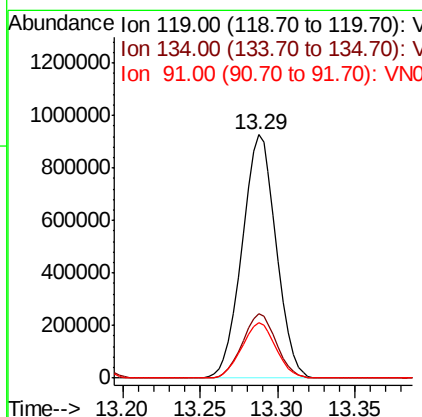
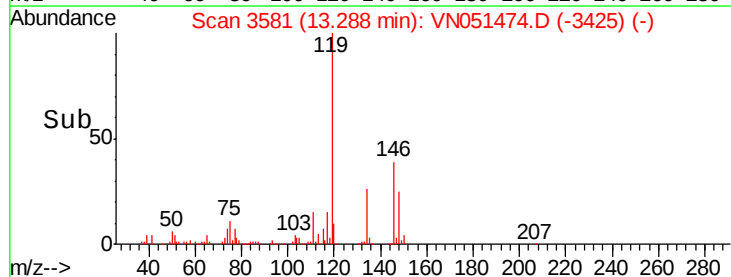
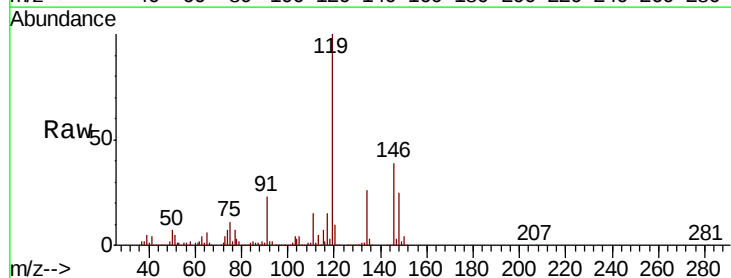
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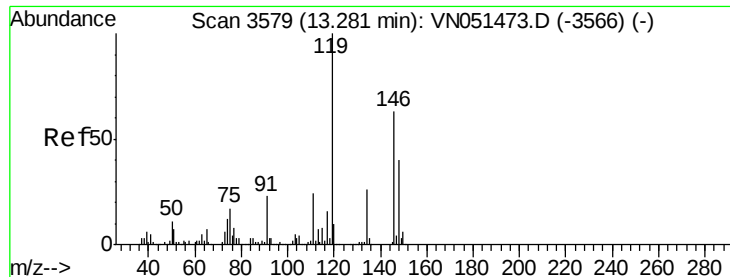
MMDadoda
 10/1/2018 11:21:26 AM



#82
 p-Isopropyltoluene
 Concen: 62.807 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion:119 Resp: 1414440
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.6
 91 22.9 0.0 52.0





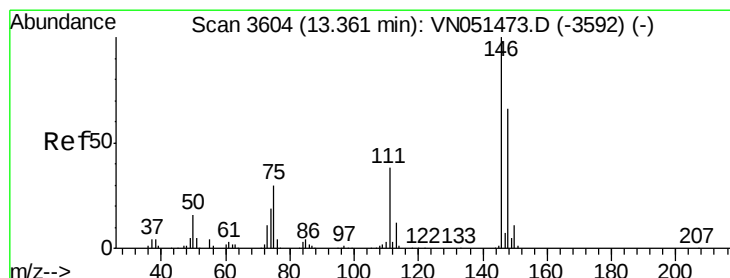
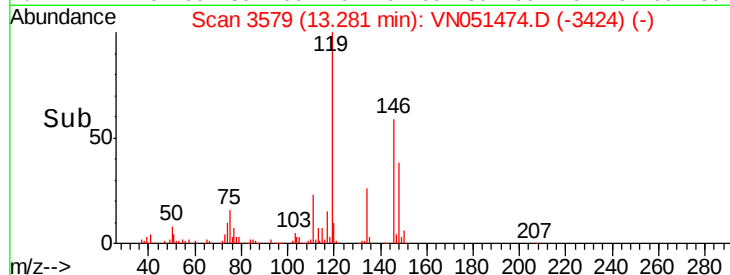
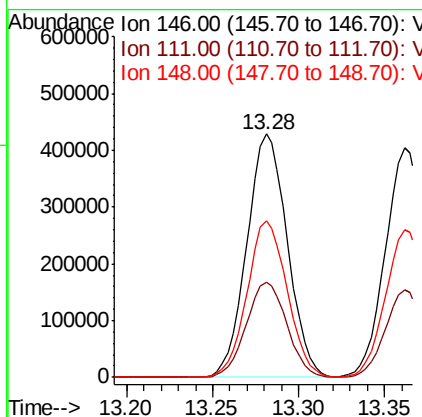
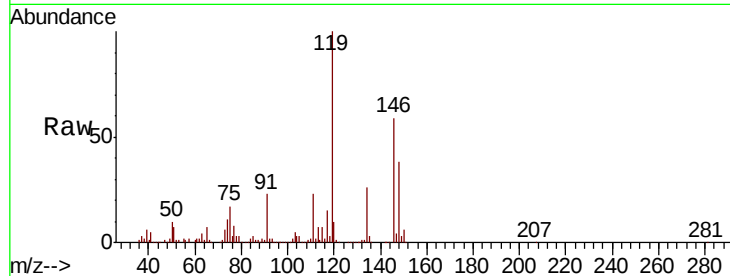
#83
 1,3-Dichlorobenzene
 Concen: 60.078 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.3
148	63.8	31.3	93.8

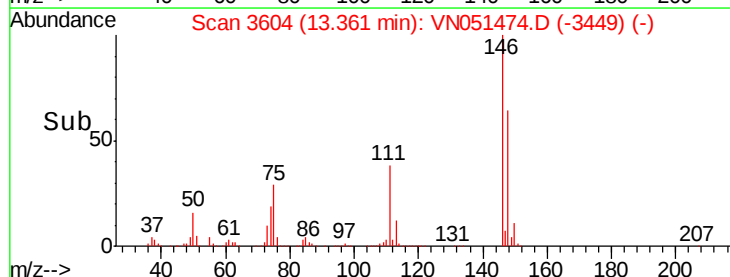
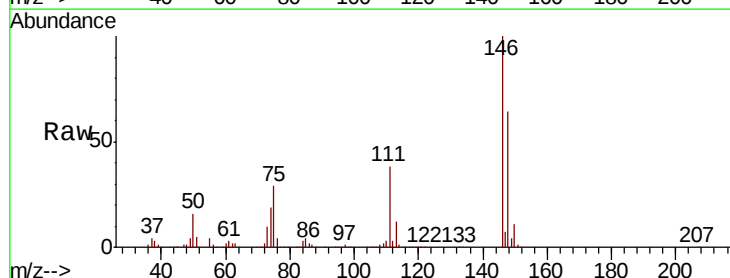
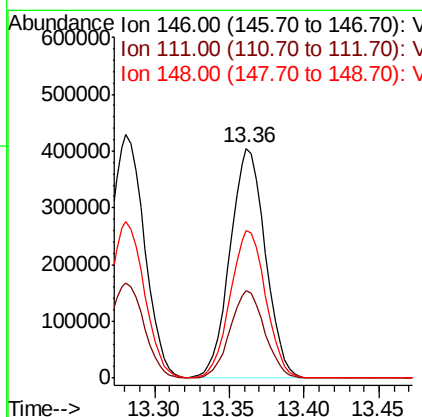
Manual Integrations
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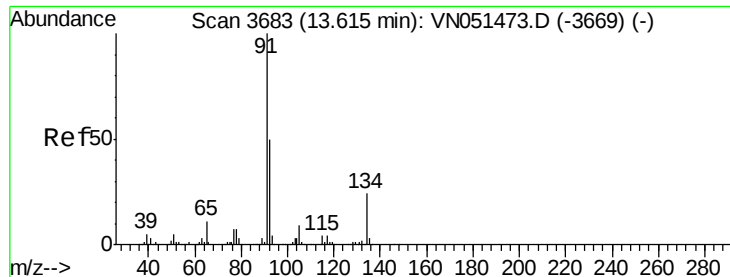
MMDadoda
 10/1/2018 11:21:26 AM



#84
 1,4-Dichlorobenzene
 Concen: 60.528 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.4	52.2
148	64.7	32.8	98.3





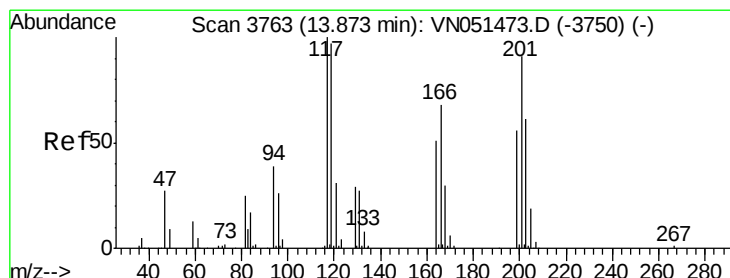
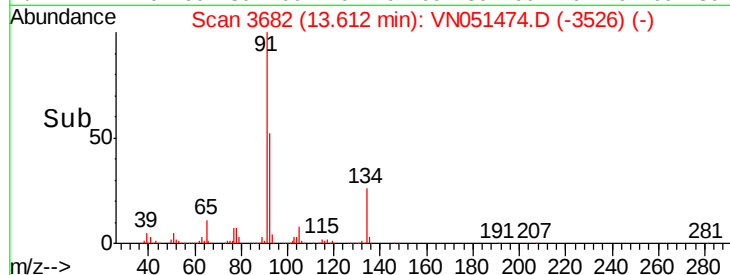
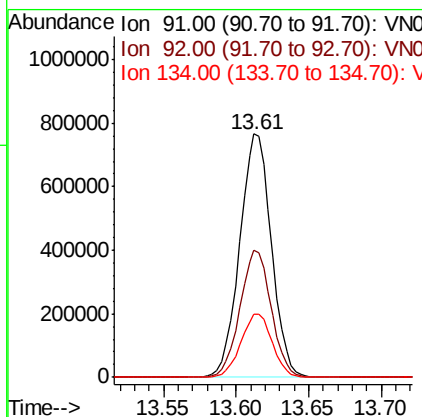
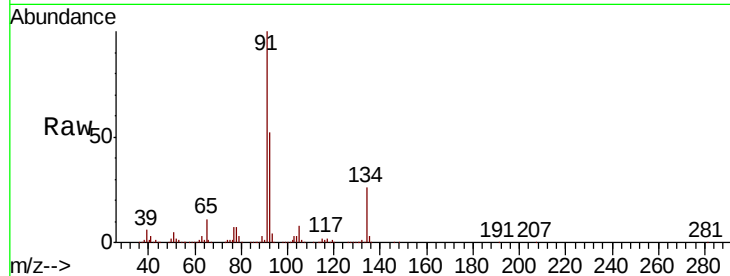
#85
n-Butylbenzene
Concen: 62.705 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	97.4
134	25.8	0.0	49.6

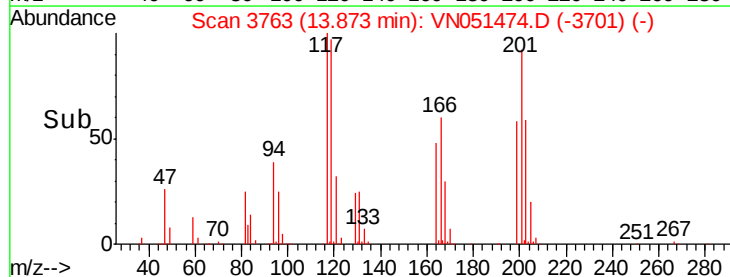
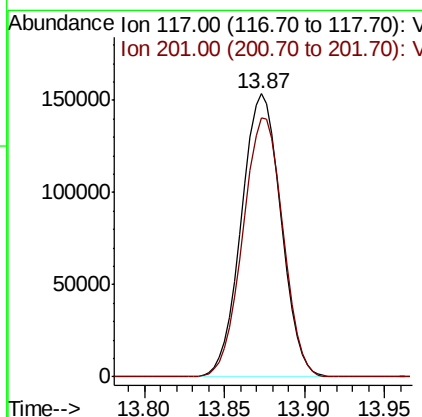
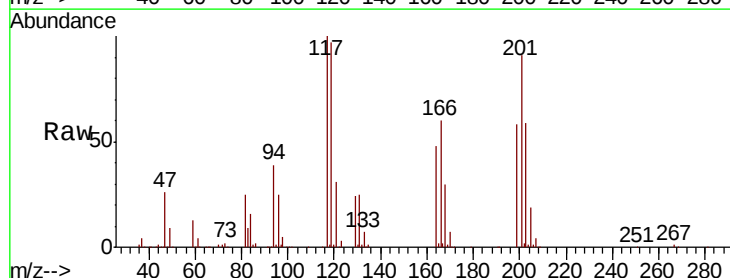
Manual Integrations
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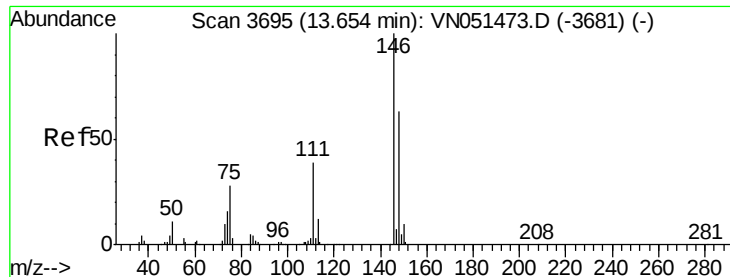
MMDadoda
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#86
Hexachloroethane
Concen: 57.596 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	47.8	143.3





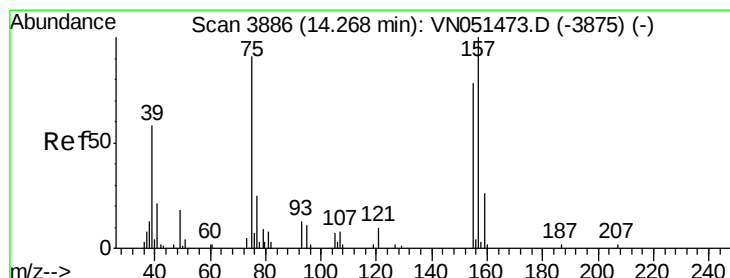
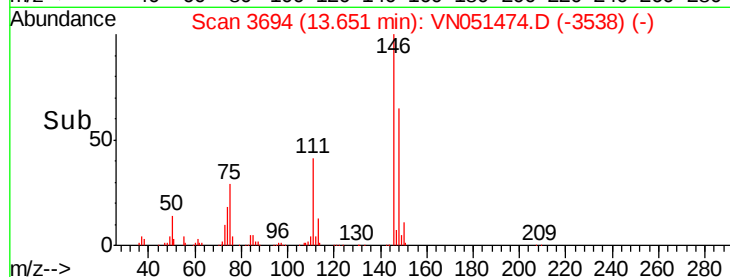
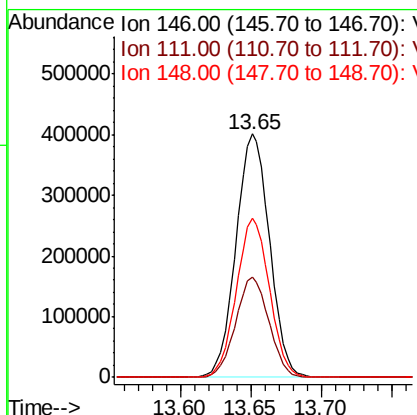
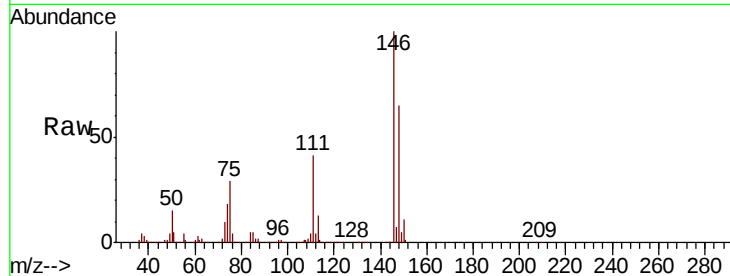
#87
 1,2-Dichlorobenzene
 Concen: 60.451 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.2
148	64.5	33.2	99.6

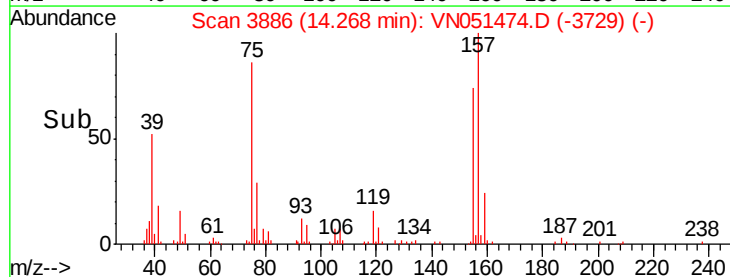
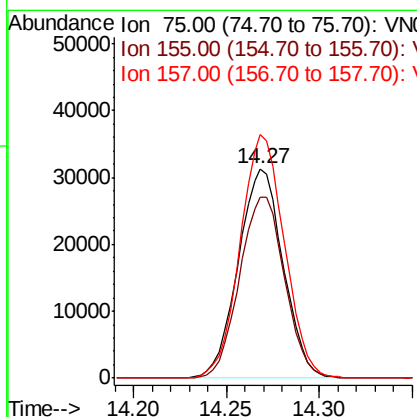
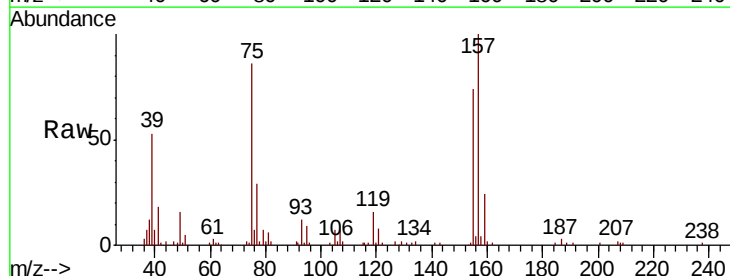
Manual Integrations
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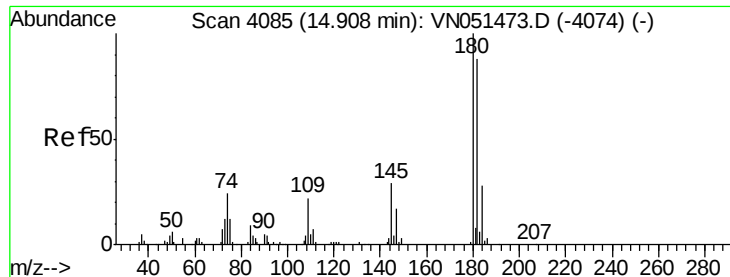
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 10/1/2018 11:21:26 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 57.321 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	57.0	85.6#
157	114.6	87.4	131.0





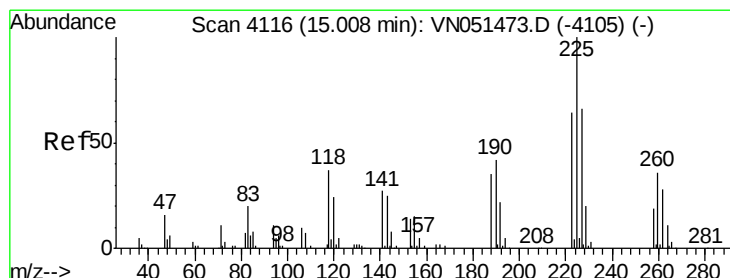
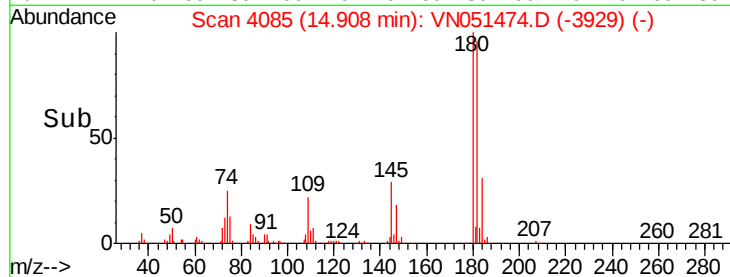
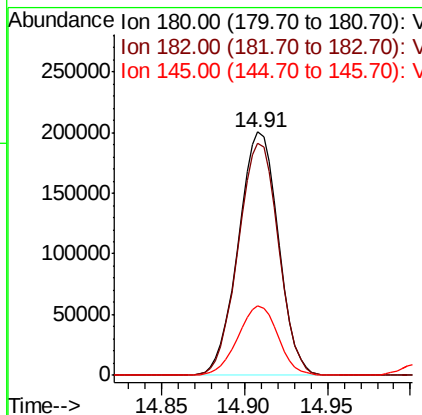
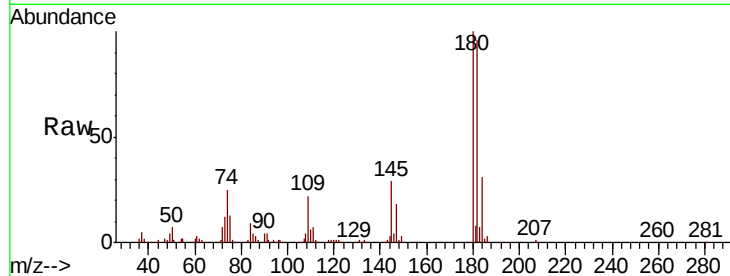
#89
 1,2,4-Trichlorobenzene
 Concen: 61.220 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.7	116.5
145	28.6	23.4	35.2

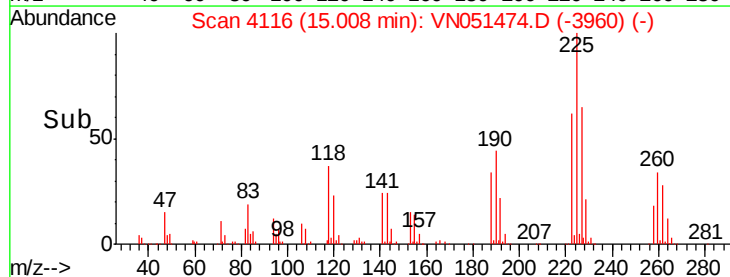
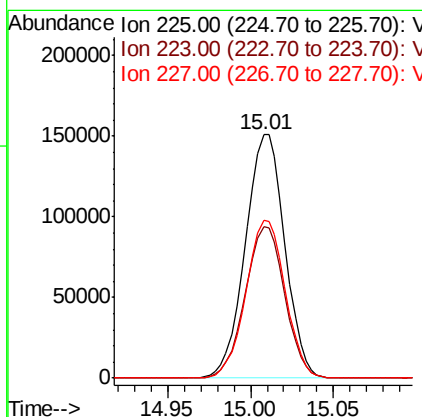
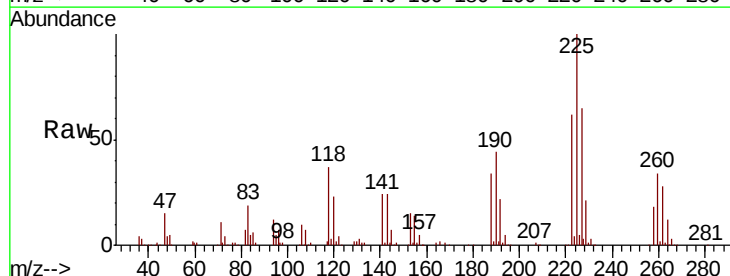
Manual Integrations
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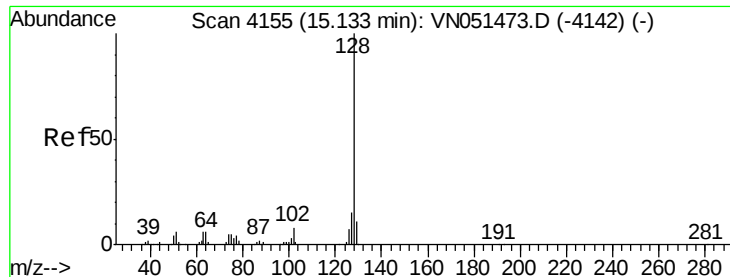
MMDadoda
 10/1/2018 11:21:26 AM



#90
 Hexachlorobutadiene
 Concen: 58.487 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051474.D
 Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	117.0
227	64.3	0.0	127.0





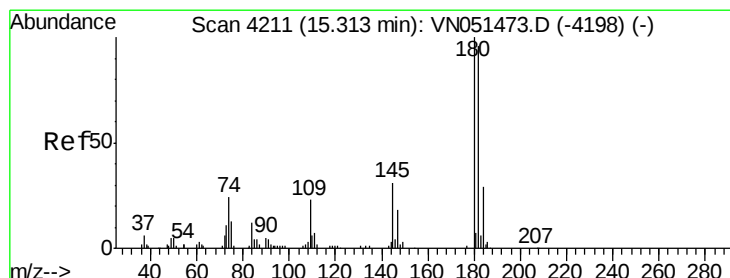
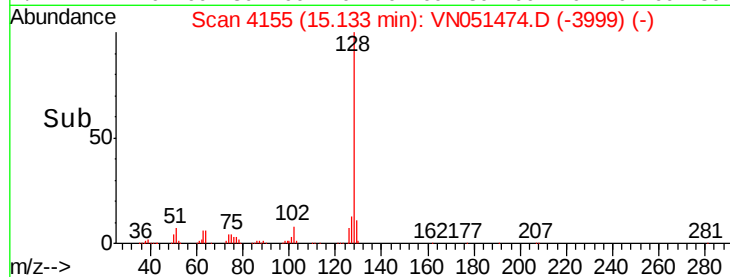
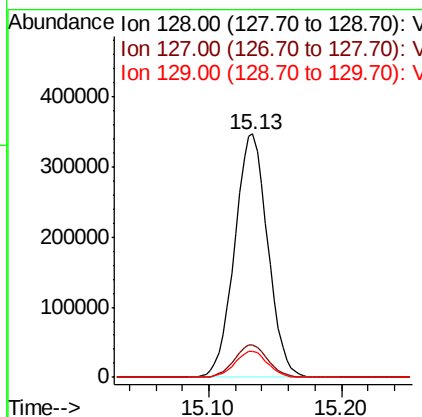
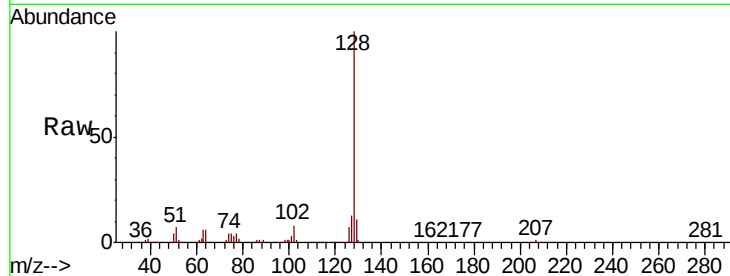
#91
Naphthalene
Concen: 57.768 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/1/2018 11:21:26 AM



#92
1,2,3-Trichlorobenzene
Concen: 60.920 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051474.D
Acq: 25 Sep 2018 10:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	198.0
145	30.2	0.0	36.8

