

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051745.D
 Acq On : 9 Oct 2018 12:28
 Operator : MD\SY
 Sample : VN1009WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1009WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:15 AM

Quant Time: Oct 10 03:48:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116484	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	664320	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	597314	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	238971	29.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.53%
60) 4-Bromofluorobenzene	12.40	95	252796	27.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.47%
63) Toluene-d8	10.09	98	789262	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	152012	22.372	ug/l 98
3) Chloromethane	2.06	50	136129	20.409	ug/l 96
4) Vinyl Chloride	2.18	62	212693	20.964	ug/l 97
5) Bromomethane	2.57	94	168595	21.377	ug/l 82
6) Chloroethane	2.70	64	147667	21.715	ug/l 98
7) Trichlorofluoromethane	3.01	101	345431	29.730	ug/l 92
8) Diethyl Ether	3.41	74	70045	22.570	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135126	22.678	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	120113	22.090	ug/l 86
11) Methyl Iodide	3.95	142	162222	23.238	ug/l 91
12) Methyl Acetate	4.33	43	96289	22.440	ug/l 96
13) Acrolein	3.61	56	36485	115.661	ug/l 94
14) Acrylonitrile	5.00	53	187382	106.957	ug/l # 61
15) Acetone	3.82	58	47673	113.864	ug/l 88
16) Carbon Disulfide	4.05	76	310604	19.970	ug/l 96
17) Allyl chloride	4.32	41	160139	20.193	ug/l 75
18) Methylene Chloride	4.55	84	132932	21.669	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	131658	21.419	ug/l 90
20) Diisopropyl ether	5.96	45	360111	20.217	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	234573	21.101	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	158568	21.927	ug/l 88
23) tert-Butyl Alcohol	4.79	59	53415	118.035	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	378415	21.675	ug/l # 59
25) Chloroform	7.37	83	272277	21.661	ug/l 97
26) Cyclohexane	7.66	56	197096	20.865	ug/l # 76
29) 1,1-Dichloropropene	7.80	75	192051	21.751	ug/l 97
30) 2-Butanone	6.84	43	230422	107.157	ug/l # 91
31) 2,2-Dichloropropane	6.83	77	238848	21.714	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	257962	21.726	ug/l 96
33) Carbon Tetrachloride	7.78	117	228505	21.228	ug/l 90
34) Benzene	8.04	78	566168	21.198	ug/l # 69
35) Methacrylonitrile	7.18	41	48548	20.457	ug/l 77
36) 1,2-Dichloroethane	8.13	62	198303	22.183	ug/l # 91
37) Trichloroethene	8.84	130	167108	22.500	ug/l 100
38) Methylcyclohexane	9.08	83	243154	21.747	ug/l 82
39) 1,2-Dichloropropane	9.12	63	136310	20.836	ug/l 94
40) Dibromomethane	9.21	93	99653	22.019	ug/l 97

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

41) Bromodichloromethane	9.40	83	213252	21.114	ug/l	95
42) Vinyl Acetate	5.90	43	1305651	103.048	ug/l #	94
43) Ethyl Acetate	6.94	43	90337	19.966	ug/l	99
44) Isopropyl Acetate	8.17	43	205720	20.558	ug/l	97
45) 1,4-Dioxane	9.20	88	29696	469.670	ug/l #	78
46) Methyl methacrylate	9.20	41	96305	21.587	ug/l	80
48) t-1,3-Dichloropropene	10.38	75	204149	19.980	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	223201	20.268	ug/l	92
50) 1,1,2-Trichloroethane	10.56	97	138750	21.738	ug/l	97
51) Ethyl methacrylate	10.43	69	166014	20.451	ug/l	84
52) 1,3-Dichloropropane	10.71	76	214293	21.082	ug/l	98
53) Dibromochloromethane	10.90	129	166516	19.862	ug/l	97
54) 1,2-Dibromoethane	11.01	107	140698	21.012	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	309450	92.019	ug/l	95
56) Bromoform	12.13	173	112441	18.709	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	542771	110.674	ug/l #	92
59) 2-Hexanone	10.75	43	351513	105.893	ug/l #	94
61) Tetrachloroethene	10.63	164	159322	22.641	ug/l	97
62) Toluene	10.16	91	654444	21.629	ug/l	97
64) Chlorobenzene	11.44	112	422168	21.738	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	168066	21.263	ug/l	99
66) Ethyl Benzene	11.51	91	732156	21.511	ug/l	100
67) m/p-Xylenes	11.62	106	582568	42.793	ug/l	99
68) o-Xylene	11.95	106	291124	21.682	ug/l	90
69) Styrene	11.97	104	447199	20.874	ug/l	98
70) Isopropylbenzene	12.25	105	784211	21.736	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	162998	21.633	ug/l	94
72) 1,2,3-Trichloropropane	12.55	75	134011m	22.296	ug/l	
73) Bromobenzene	12.53	156	177257	20.427	ug/l	89
74) n-propylbenzene	12.59	91	836727	21.067	ug/l	95
75) 2-Chlorotoluene	12.68	91	496280	21.385	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	655977	21.426	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	43303	19.323	ug/l	99
78) 4-Chlorotoluene	12.77	91	473896	20.376	ug/l	93
79) tert-butylbenzene	12.99	119	609362	22.130	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	659235	21.648	ug/l	97
81) sec-Butylbenzene	13.17	105	797923	21.662	ug/l	97
82) p-Isopropyltoluene	13.29	119	699332	21.550	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	328597	21.175	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	303443	20.462	ug/l	98
85) n-Butylbenzene	13.62	91	524600	20.453	ug/l	95
86) Hexachloroethane	13.88	117	129739	20.207	ug/l	88
87) 1,2-Dichlorobenzene	13.65	146	323056	21.244	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25467	20.527	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	122802	20.102	ug/l	98
90) Hexachlorobutadiene	15.01	225	100408	21.699	ug/l	97
91) Naphthalene	15.13	128	245267	17.081	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	129852	19.794	ug/l	92

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VN1009WBS01

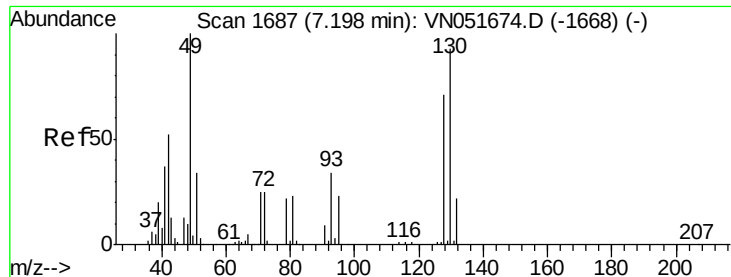
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Fri Oct 05 11:11:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

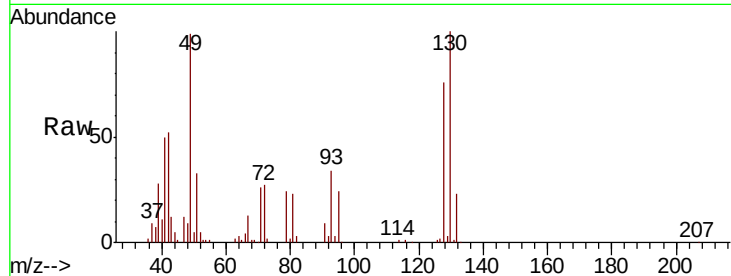
ClientSampleId :

VN1009WBS01

Tot Ion:	128	Resp:	116484
Ion	Ratio	Lower	Upper
128	100		
49	130.8	0.0	403.3
130	128.6	0.0	326.0

Manual Integrations
APPROVED

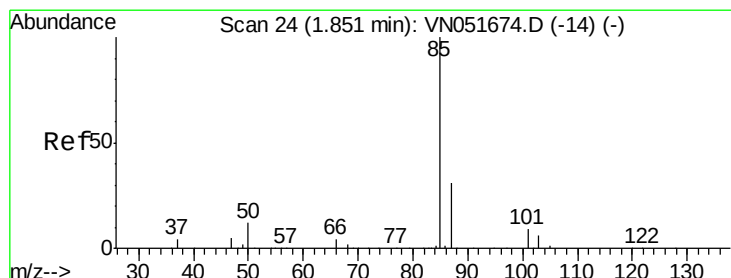
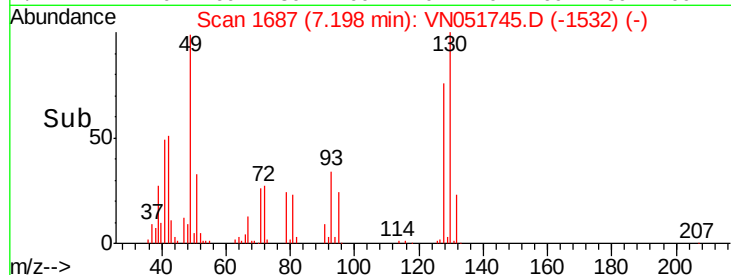
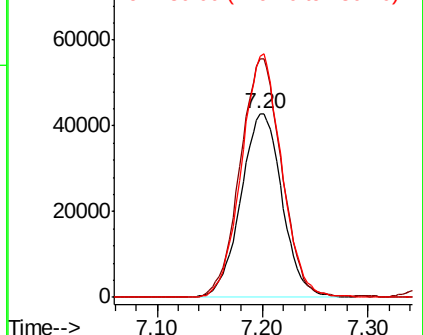
MMDadoda
10/10/2018 10:09:15 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.372 ug/l

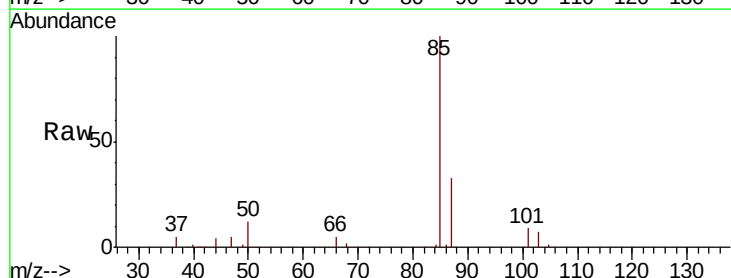
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051745.D

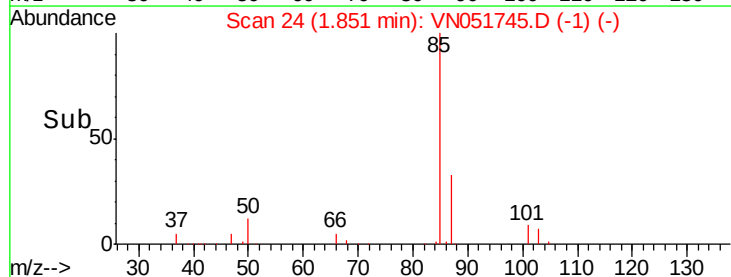
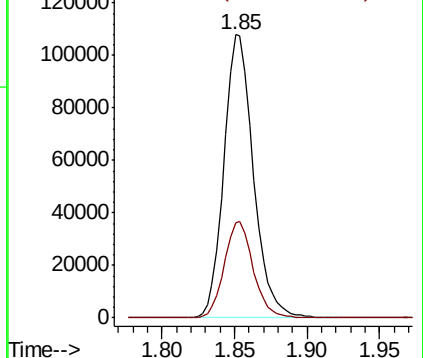
Acq: 9 Oct 2018 12:28

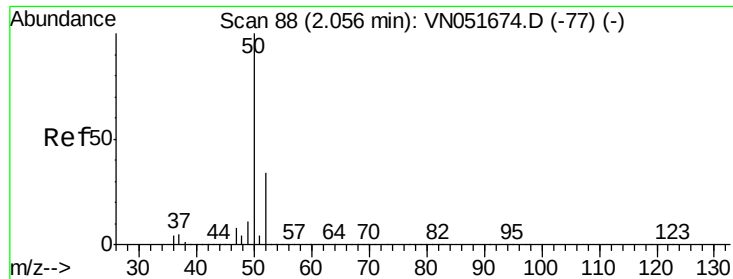
Tgt Ion:	85	Resp:	152012
Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.409 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 50 Resp: 136129

Ion Ratio Lower Upper

50 100

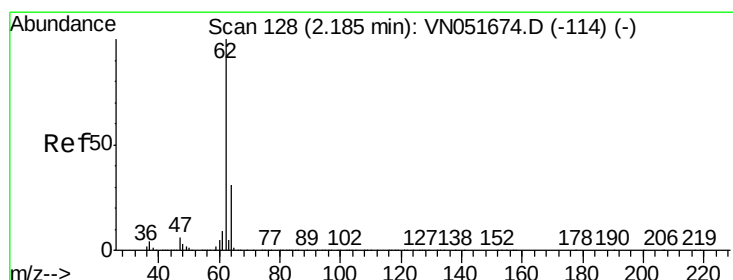
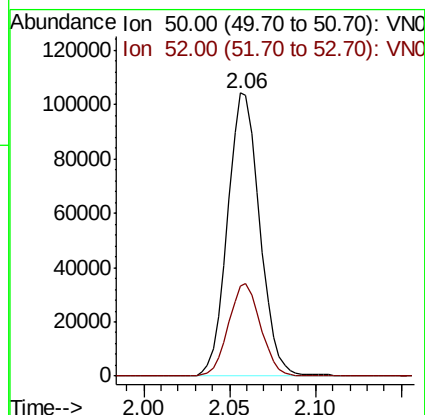
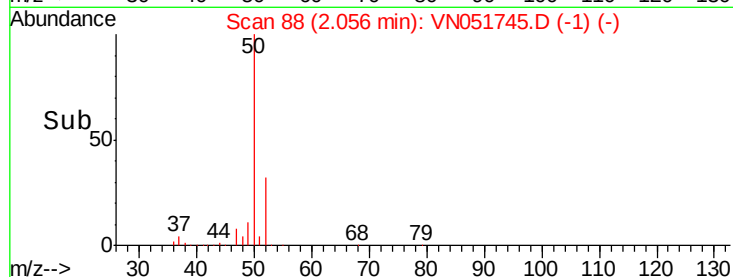
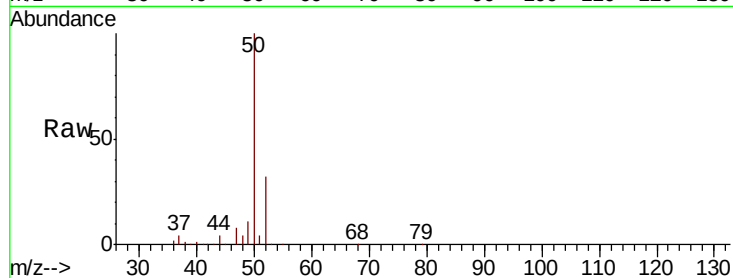
52 31.9 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.964 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051745.D

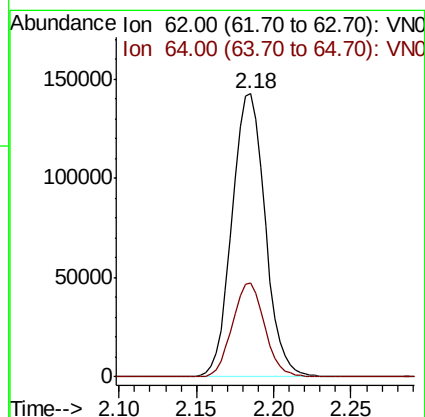
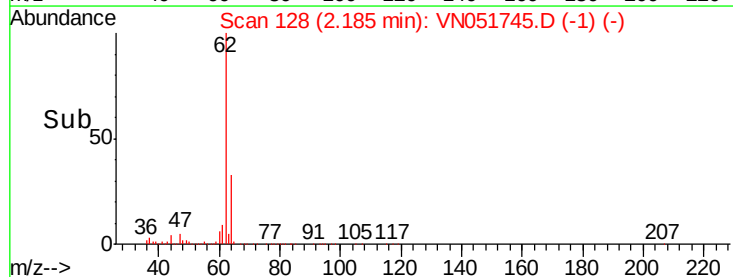
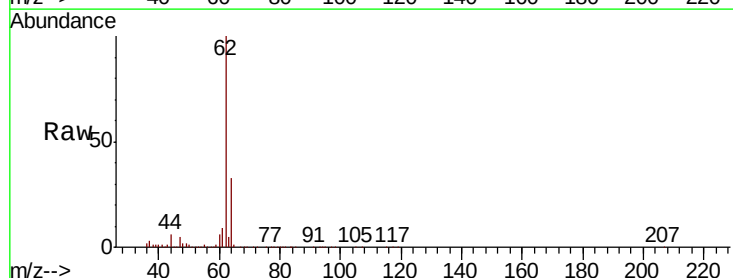
Acq: 9 Oct 2018 12:28

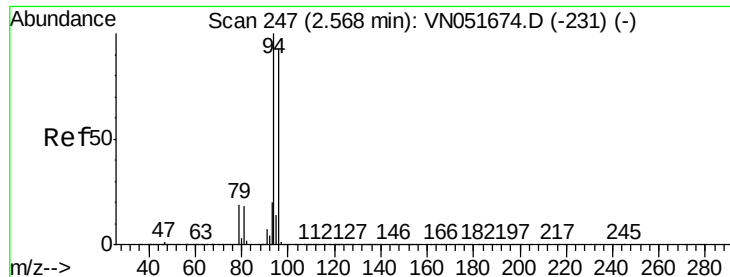
Tgt Ion: 62 Resp: 212693

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 21.377 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 94 Resp: 168595

Ion Ratio Lower Upper

94 100

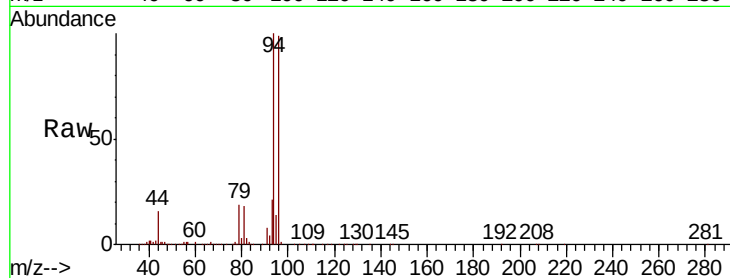
96 99.2 66.4 99.6

Manual Integrations

APPROVED

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

100000

80000

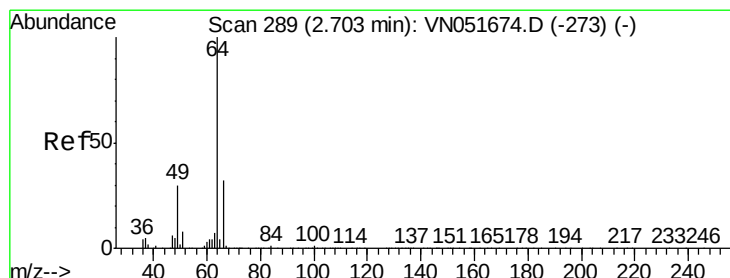
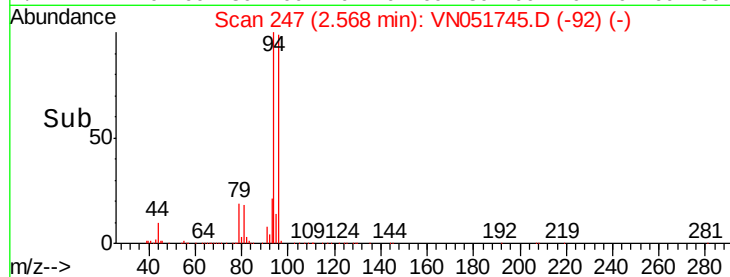
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 21.715 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051745.D

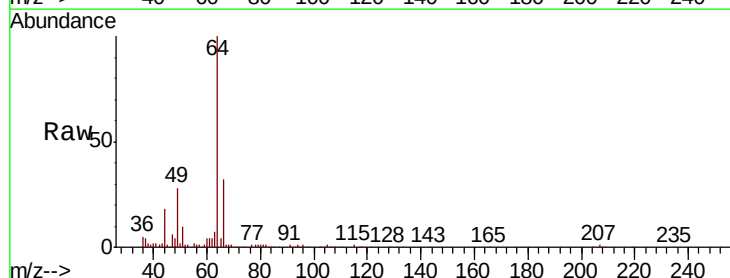
Acq: 9 Oct 2018 12:28

Tgt Ion: 64 Resp: 147667

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

80000

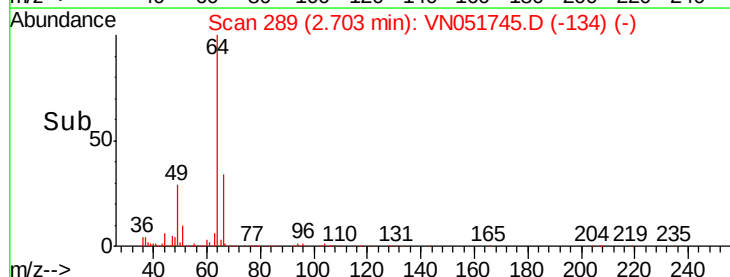
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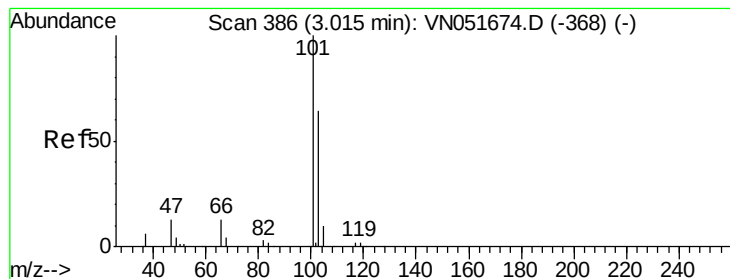
40000

20000

0

Time-->





#7

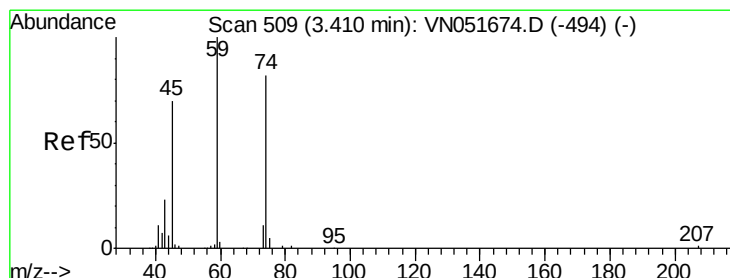
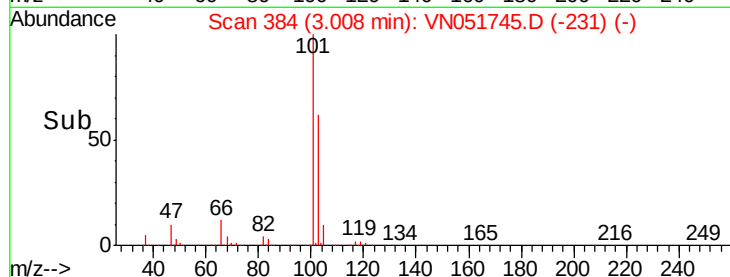
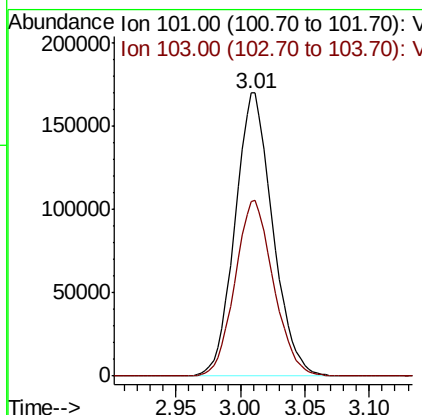
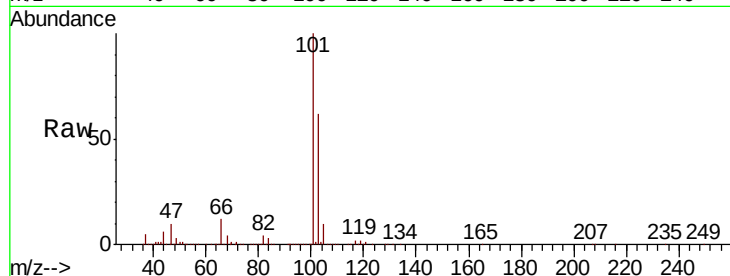
Trichlorofluoromethane
 Concen: 29.730 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
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 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	345431		
103	61.7	54.8	82.2	

Manual Integrations
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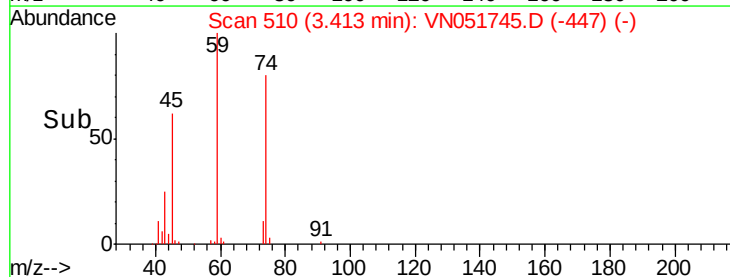
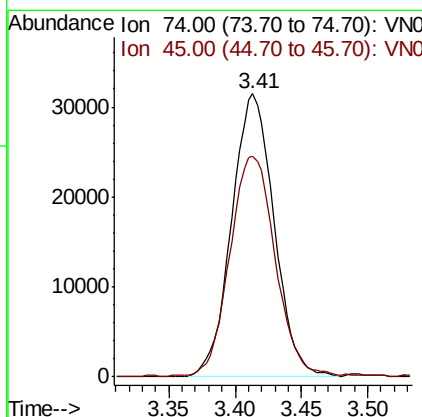
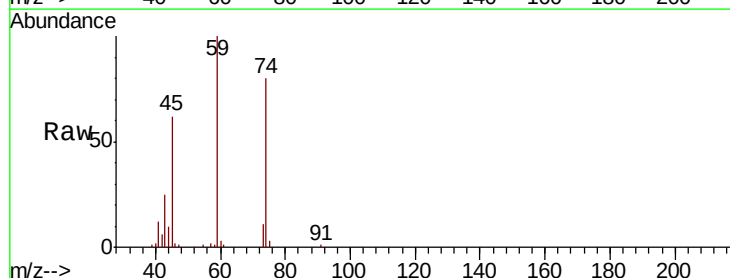
MMDadoda
 10/10/2018 10:09:15 AM

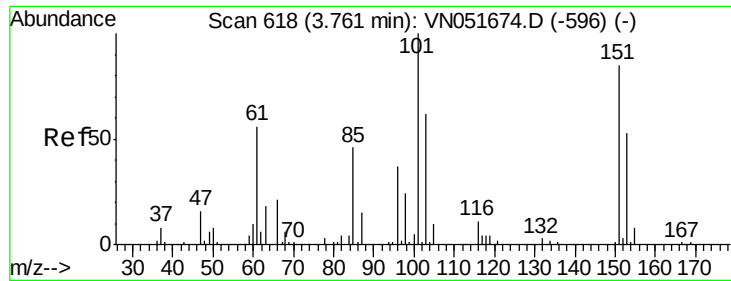


#8

Diethyl Ether
 Concen: 22.570 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	70045		
45	83.6	20.7	186.5	





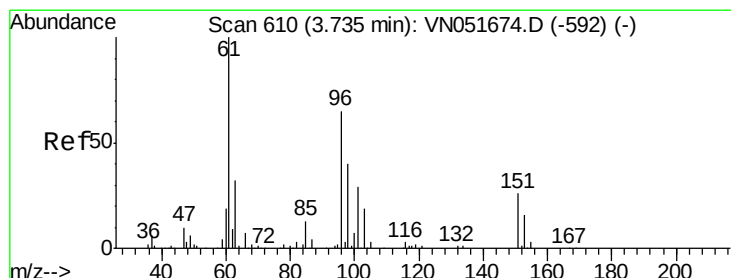
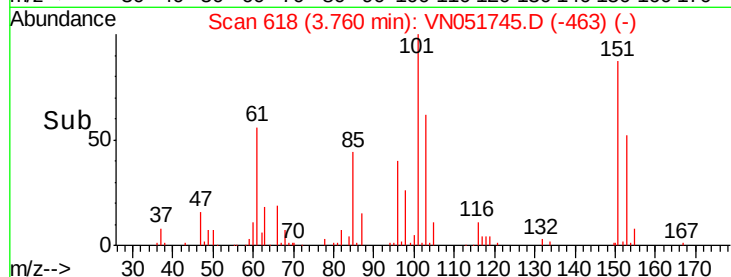
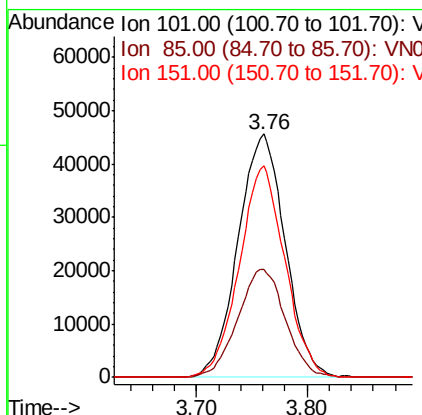
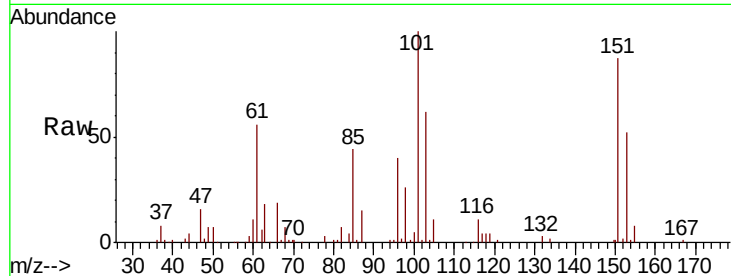
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.678 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	44.8	0.0	46.0
151	83.9	0.0	82.2

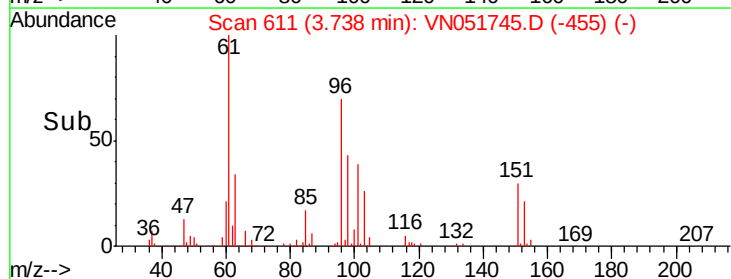
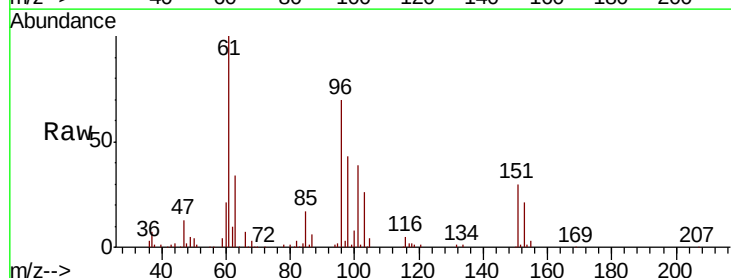
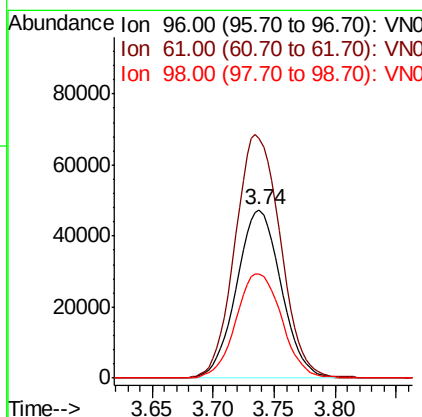
Manual Integrations
 APPROVED

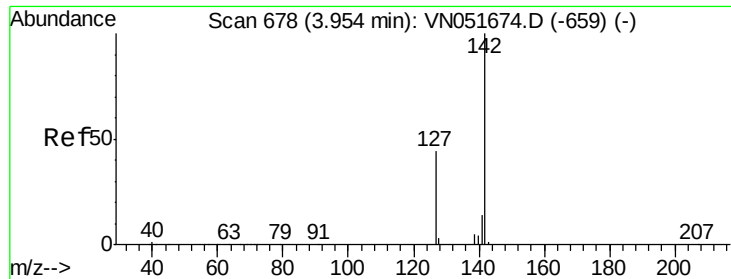
MMDadoda
 10/10/2018 10:09:15 AM



#10
 1,1-Dichloroethene
 Concen: 22.090 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	142.0	133.0	199.6
98	61.6	52.6	78.8





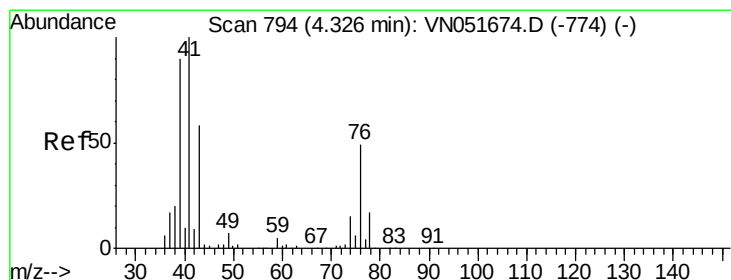
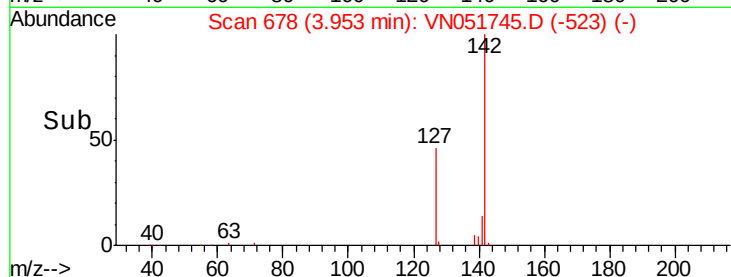
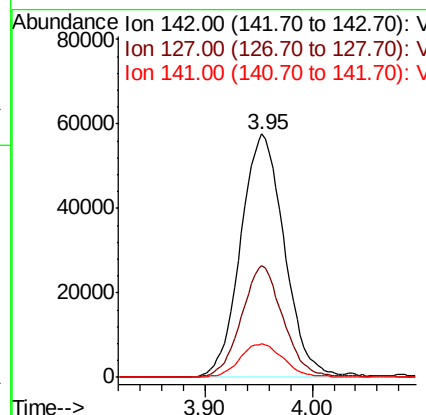
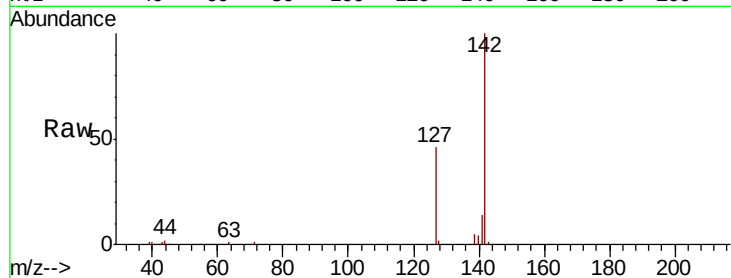
#11
Methvl Iodide
Concen: 23.238 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.9	19.7	59.0
141	13.7	6.3	18.9

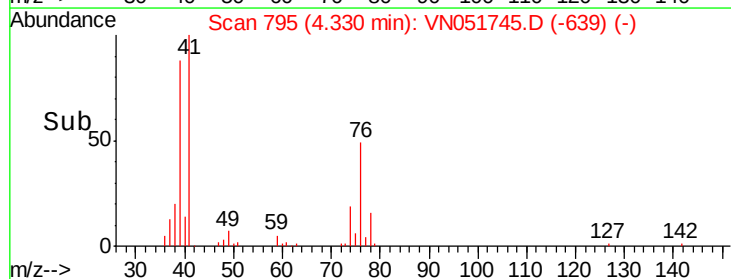
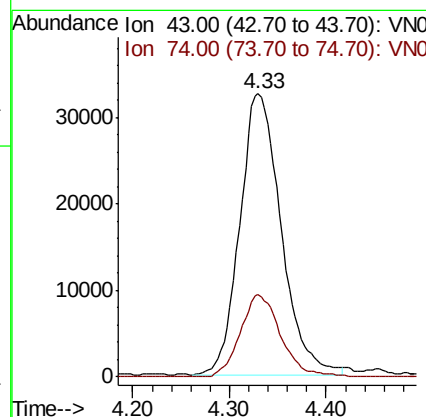
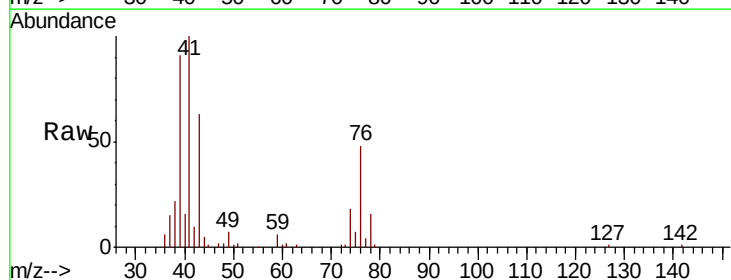
Manual Integrations
APPROVED

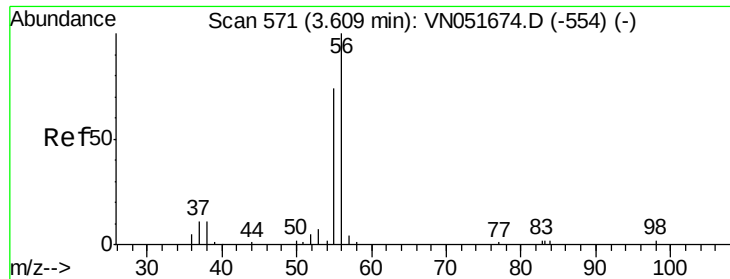
MMDadoda
10/10/2018 10:09:15 AM



#12
Methyl Acetate
Concen: 22.440 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.4	21.8	32.6





#13

Acrolein

Concen: 115.661 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 56 Resp: 36485

Ion Ratio Lower Upper

56 100

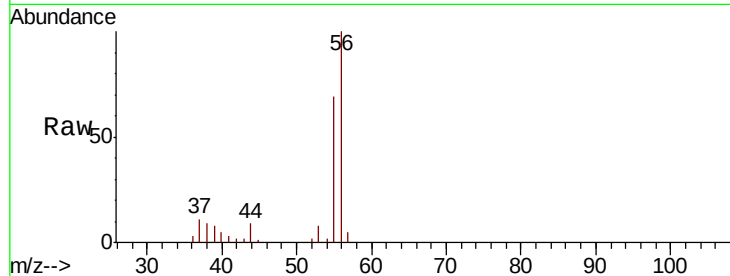
55 74.7 64.0 96.0

Manual Integrations

APPROVED

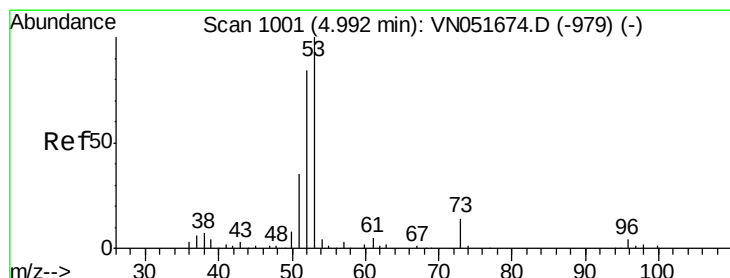
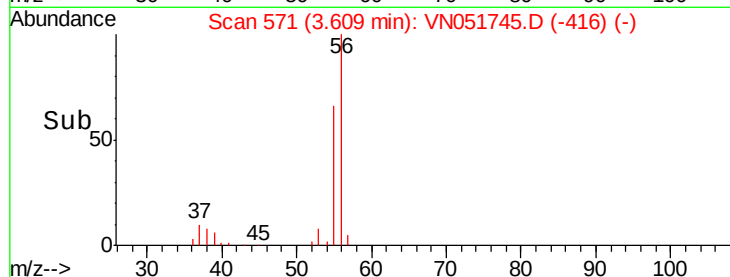
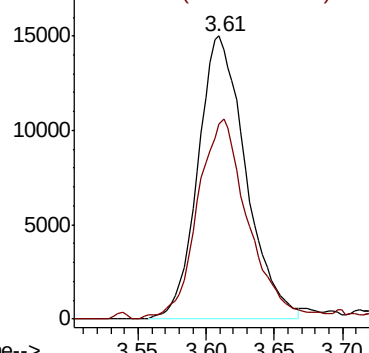
MMDadoda

10/10/2018 10:09:15 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 106.957 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

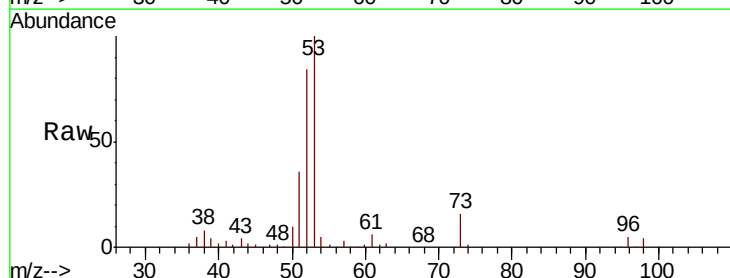
Tgt Ion: 53 Resp: 187382

Ion Ratio Lower Upper

53 100

52 82.3 18.3 54.8#

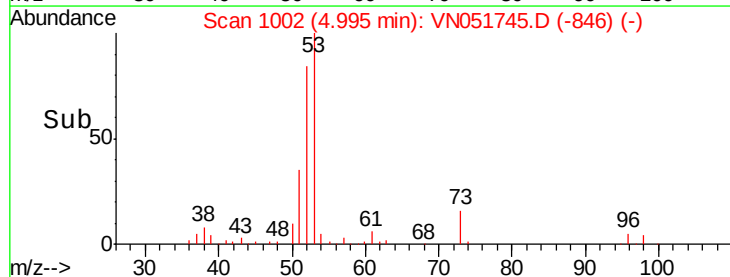
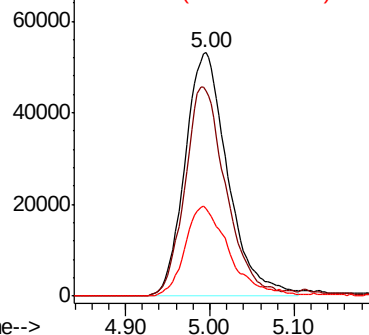
51 37.1 19.7 59.1

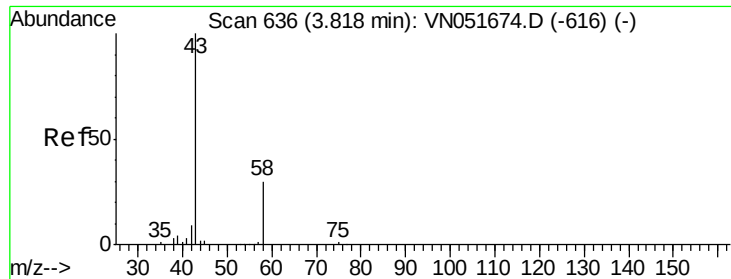


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 113.864 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 58 Resp: 47673

Ion Ratio Lower Upper

58 100

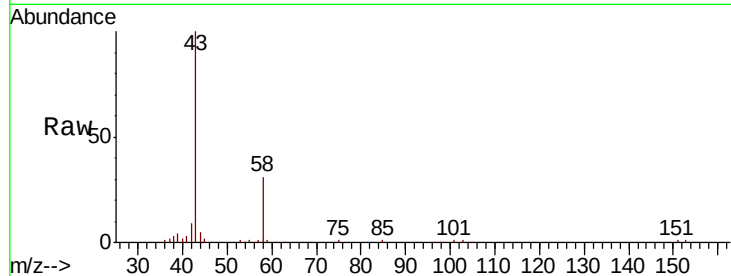
43 313.4 232.2 348.2

Manual Integrations

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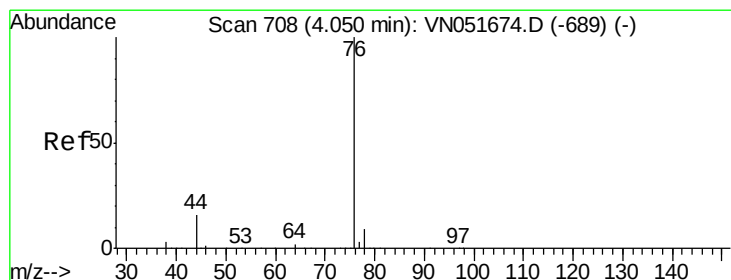
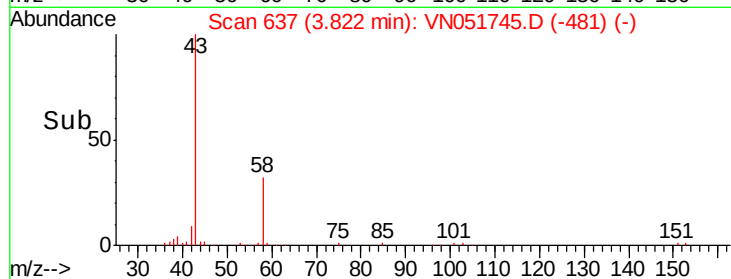
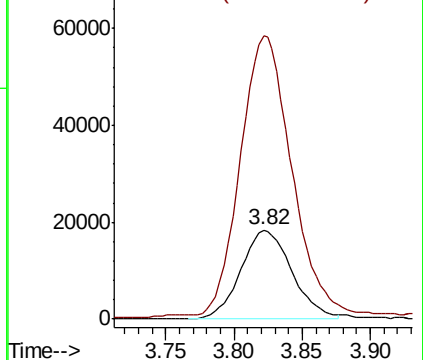
MMDadoda

10/10/2018 10:09:15 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.970 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051745.D

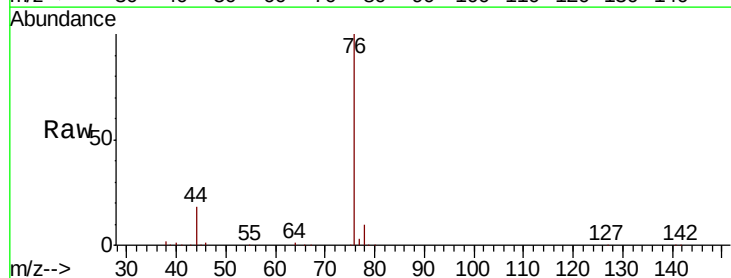
Acq: 9 Oct 2018 12:28

Tgt Ion: 76 Resp: 310604

Ion Ratio Lower Upper

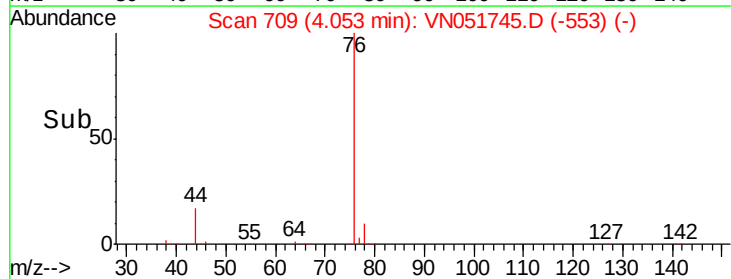
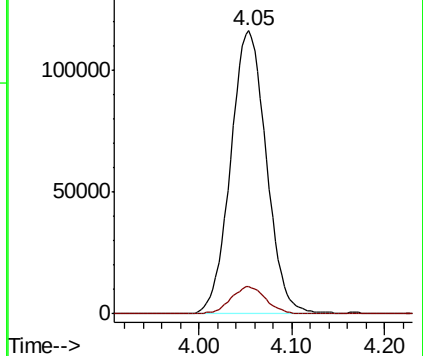
76 100

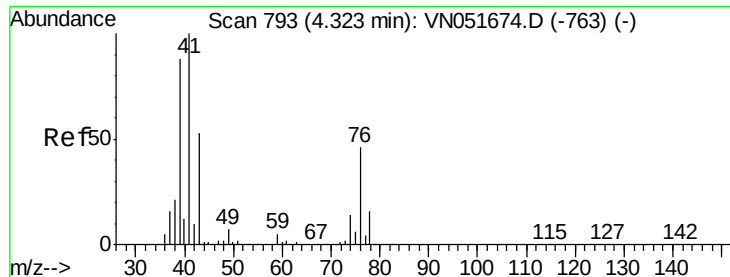
78 9.7 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





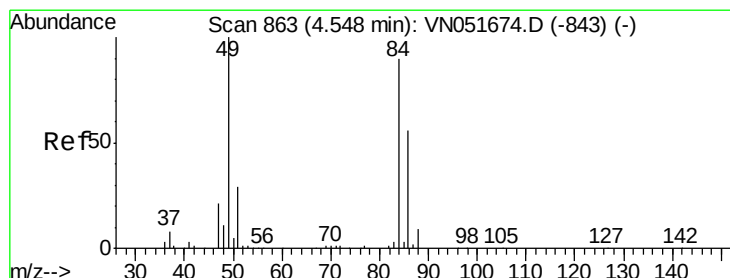
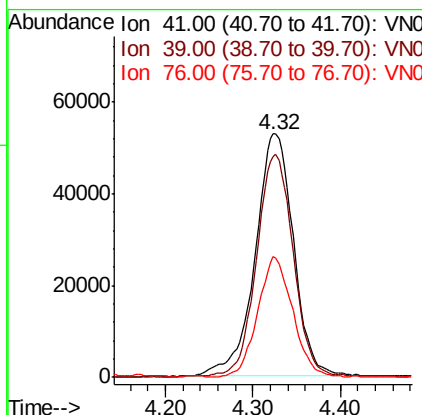
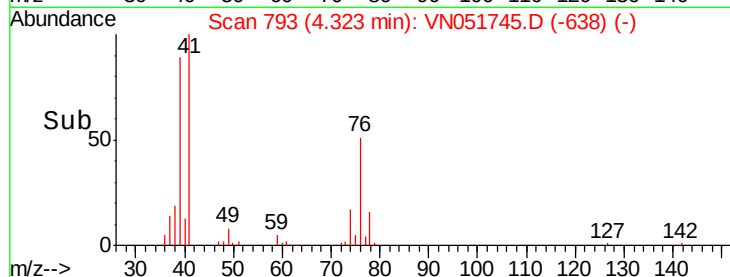
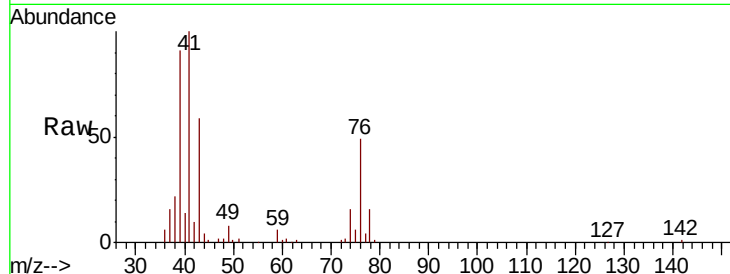
#17
Allvl chloride
Concen: 20.193 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	90.6	32.6	97.8
76	49.1	20.2	60.5

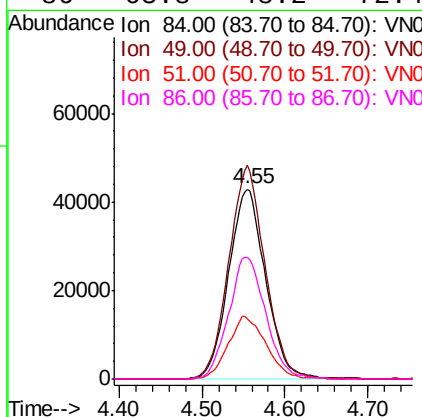
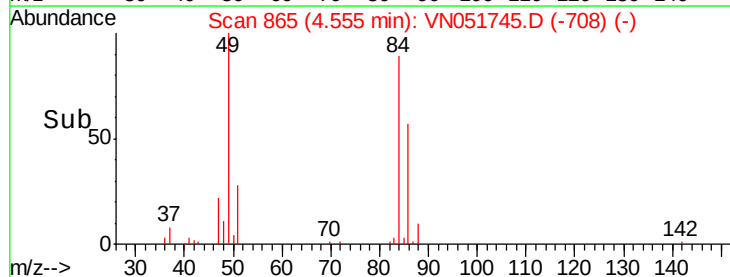
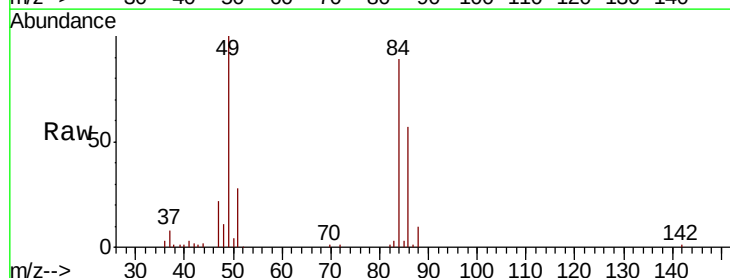
Manual Integrations
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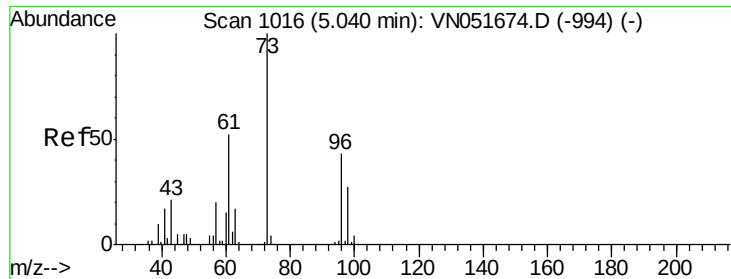
MMDadoda
10/10/2018 10:09:15 AM



#18
Methylene Chloride
Concen: 21.669 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.6	91.6	137.4
51	31.7	29.8	44.6
86	63.8	48.2	72.4





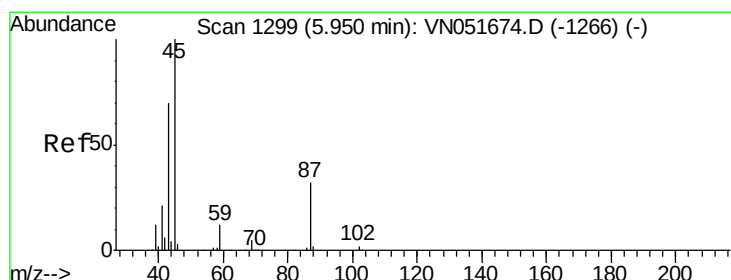
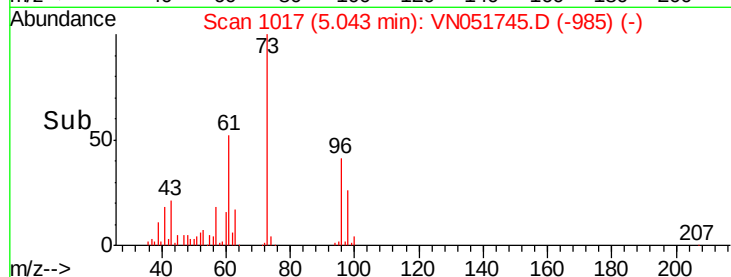
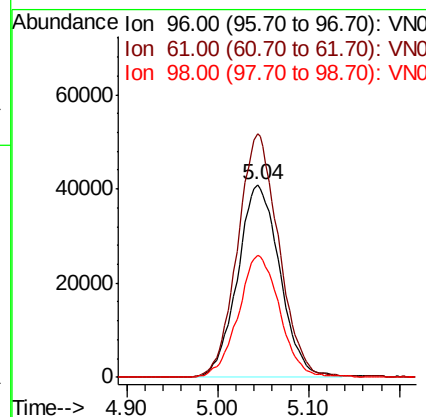
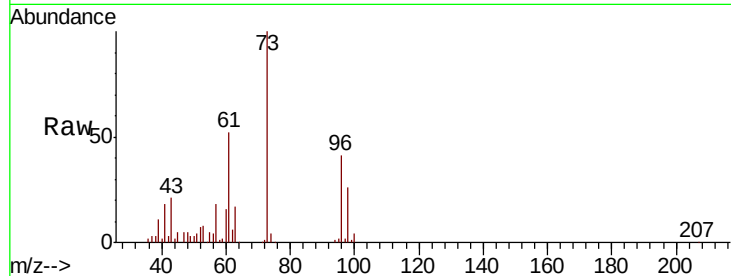
#19
trans-1,2-Dichloroethene
Concen: 21.419 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.1	112.3	168.5
98	62.7	47.1	70.7

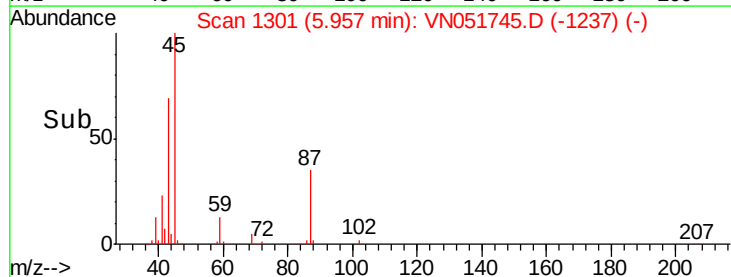
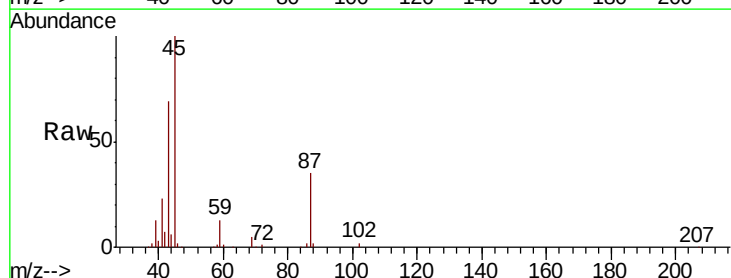
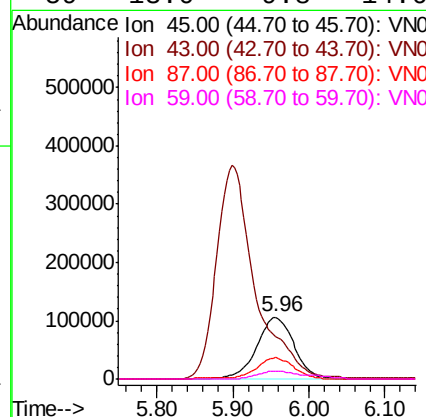
Manual Integrations
APPROVED

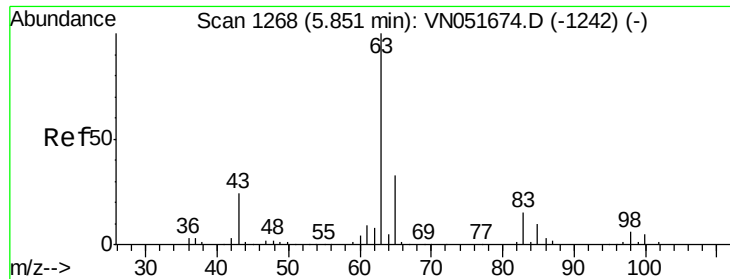
MMDadoda
10/10/2018 10:09:15 AM



#20
Diisopropyl ether
Concen: 20.217 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	62.1	93.1
87	34.4	19.9	29.9
59	13.0	9.8	14.6





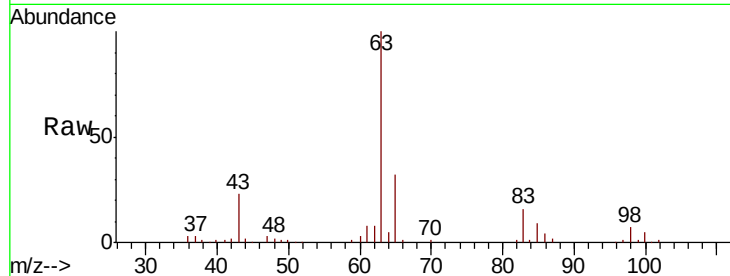
#21
 1,1-Dichloroethane
 Concen: 21.101 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	234573		
98	7.4		4.1	12.3
100	4.6		1.6	4.7

Manual Integrations
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MMDadoda
 10/10/2018 10:09:15 AM

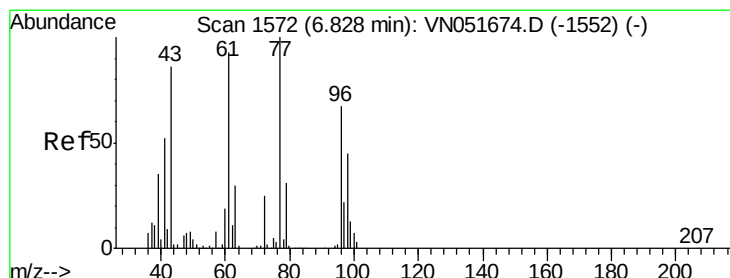
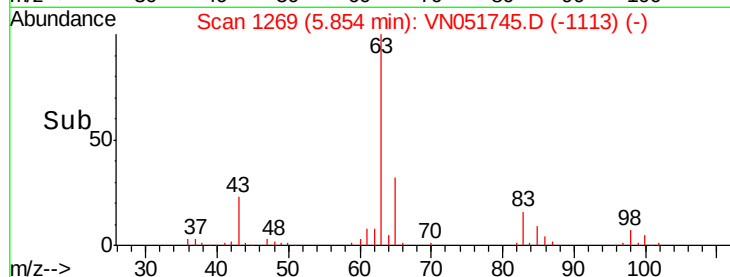
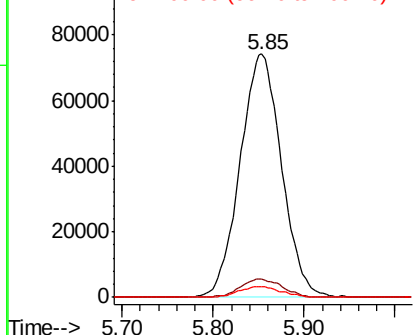


Abundance

Ion 63.00 (62.70 to 63.70): VN0

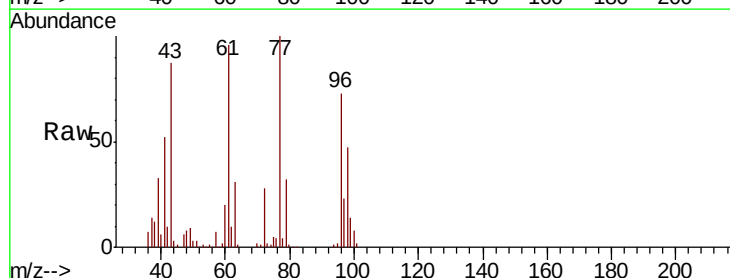
Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22
 cis-1,2-Dichloroethene
 Concen: 21.927 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	158568		
61	133.5		124.5	186.7
98	65.2		51.9	77.9

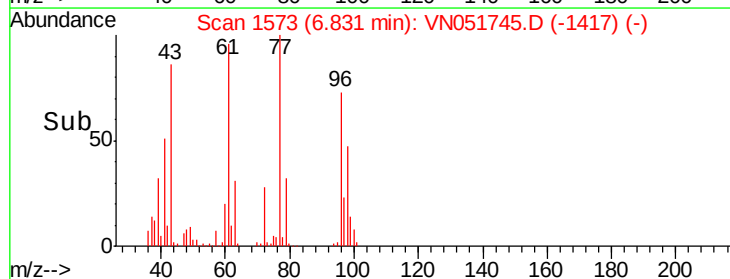
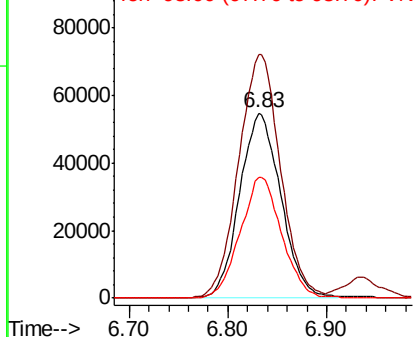


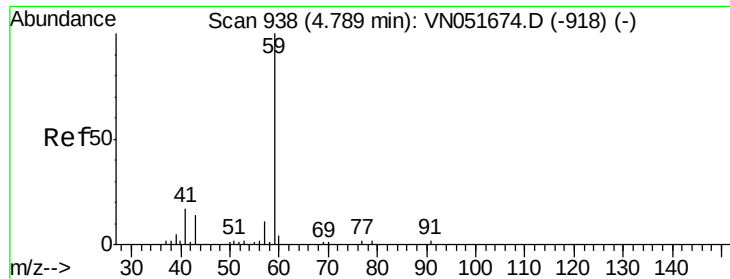
Abundance

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





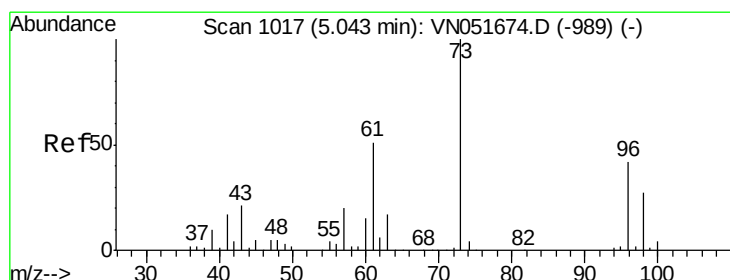
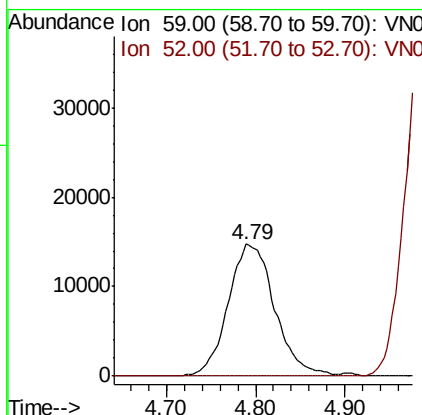
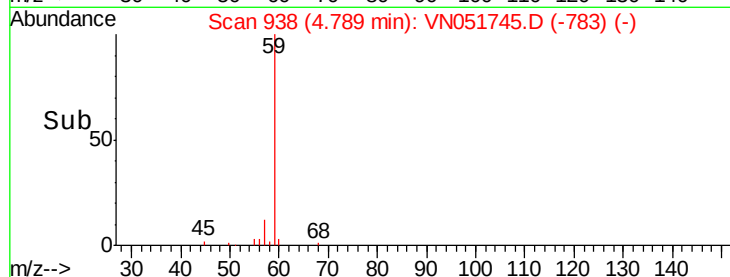
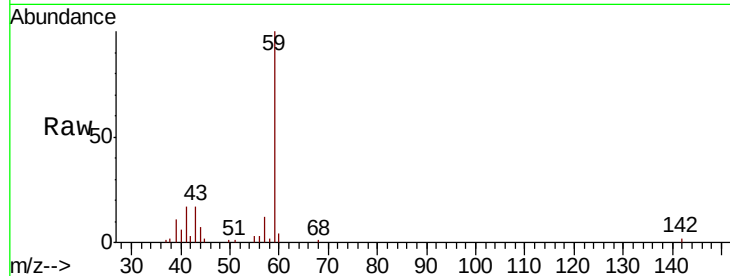
#23
tert-Butyl Alcohol
Concen: 118.035 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

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

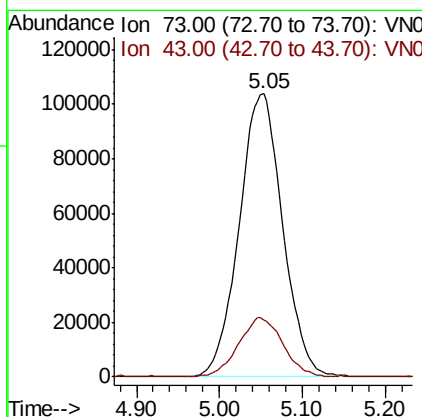
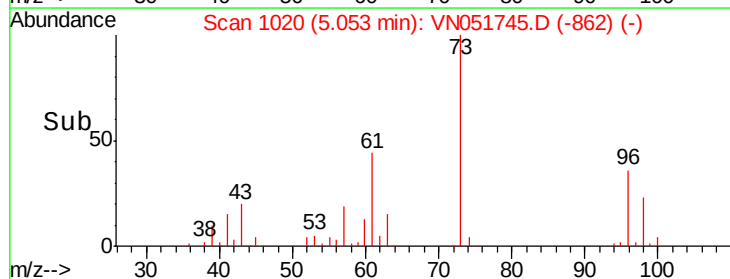
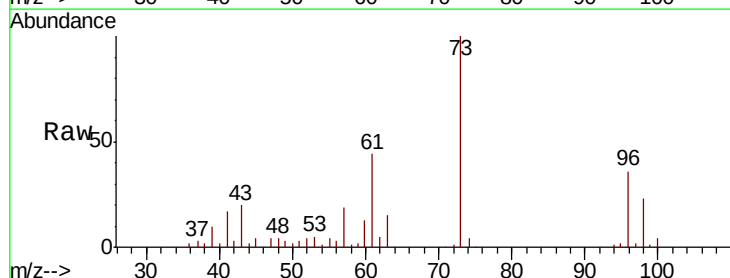
Manual Integrations
APPROVED

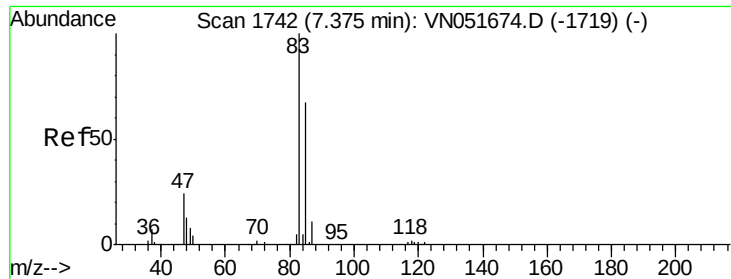
MMDadoda
10/10/2018 10:09:15 AM



#24
Methyl tert-Butyl Ether
Concen: 21.675 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	20.7	5.4	8.0#





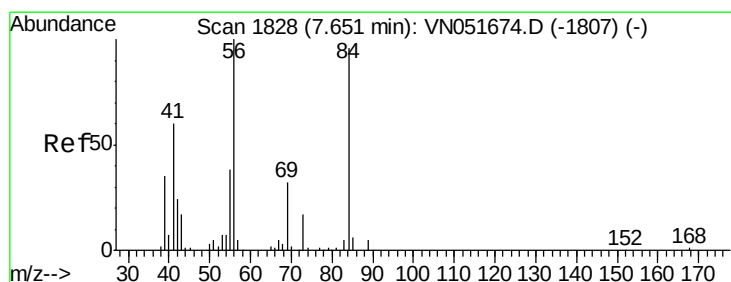
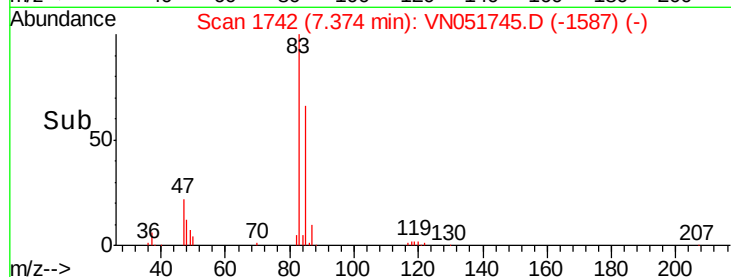
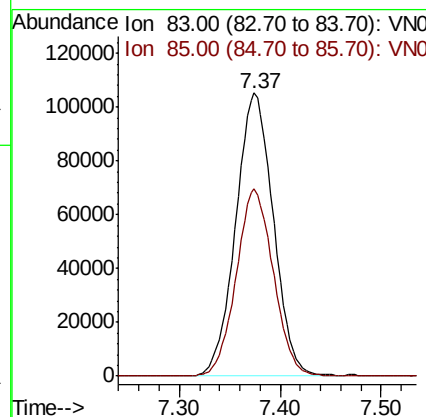
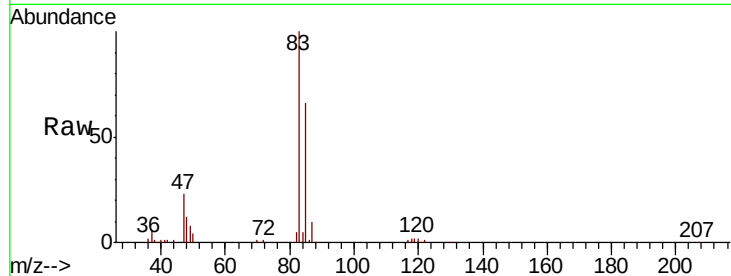
#25
Chloroform
Concen: 21.661 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	83	Resp	272277
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	54.6	82.0

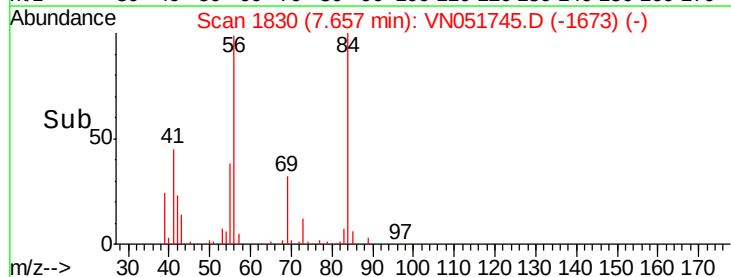
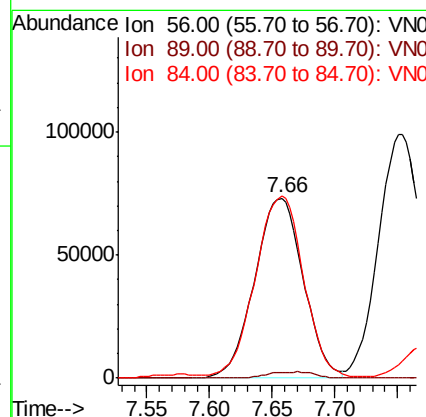
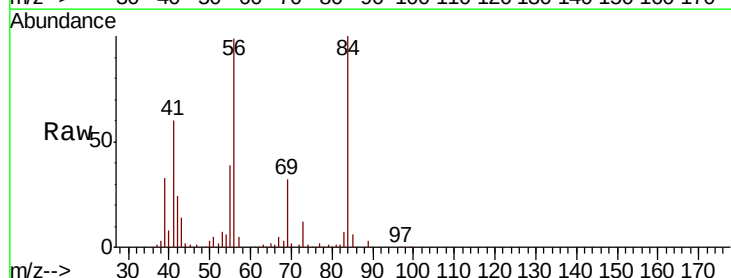
Manual Integrations
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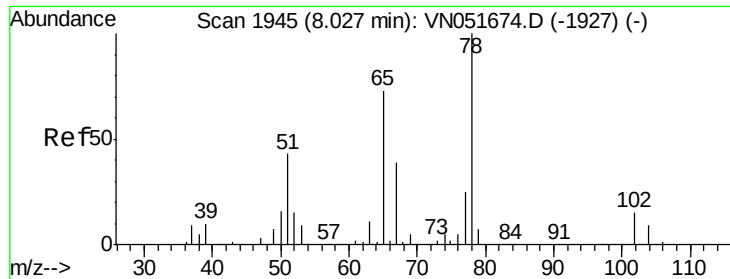
MMDadoda
10/10/2018 10:09:15 AM



#26
Cyclohexane
Concen: 20.865 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	56	Resp	197096
Ion Ratio	100	Lower	Upper
56	100		
89	3.4	1.5	2.3#
84	101.7	64.2	96.4#





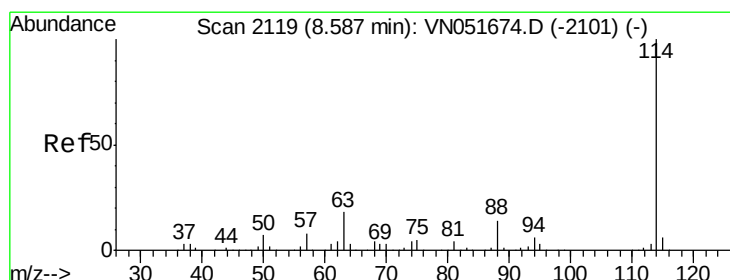
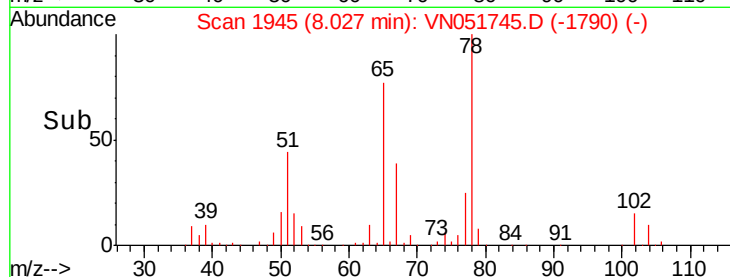
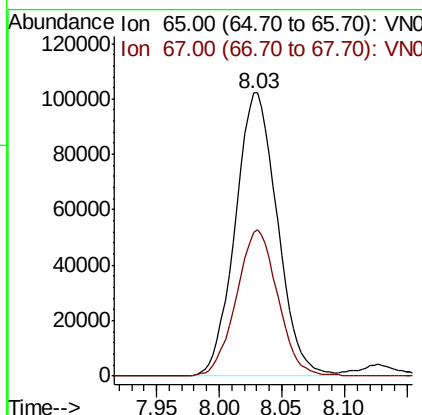
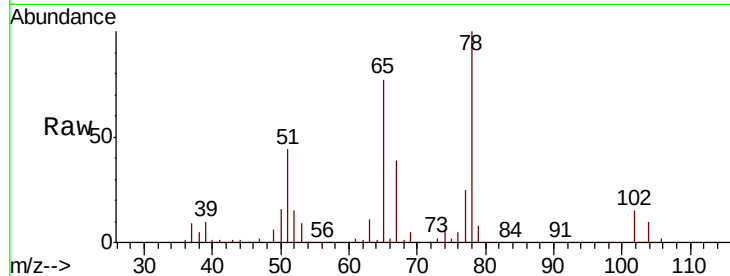
#27
 1,2-Dichloroethane-d4
 Concen: 20.865 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238971		
67	50.9		41.8	62.8

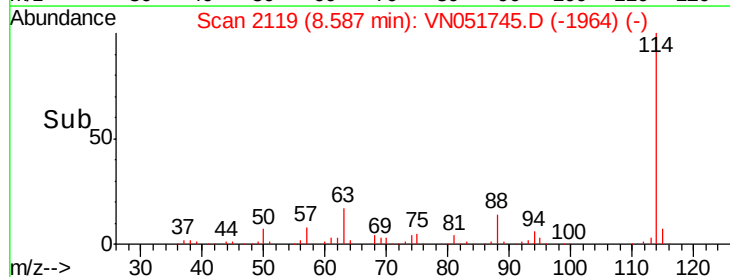
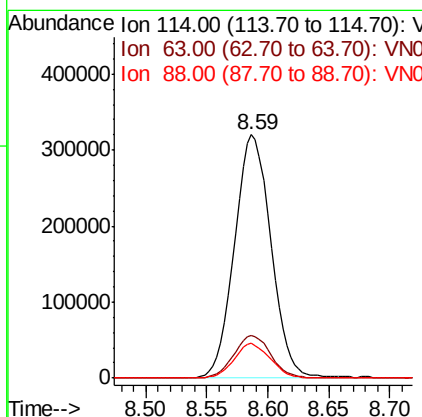
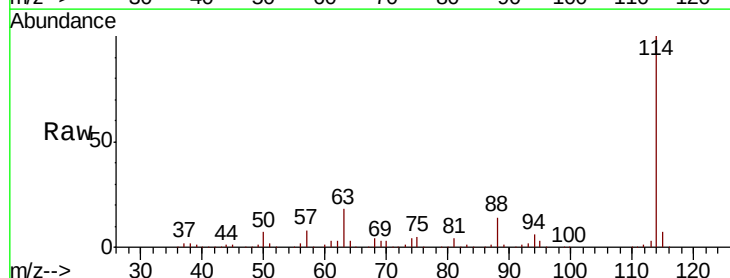
Manual Integrations
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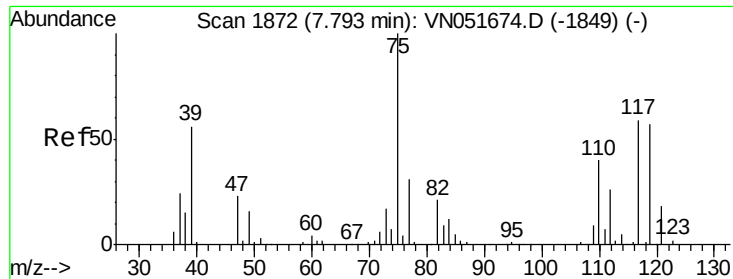
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	664320		
63	17.7		16.2	24.2
88	14.2		12.2	18.4





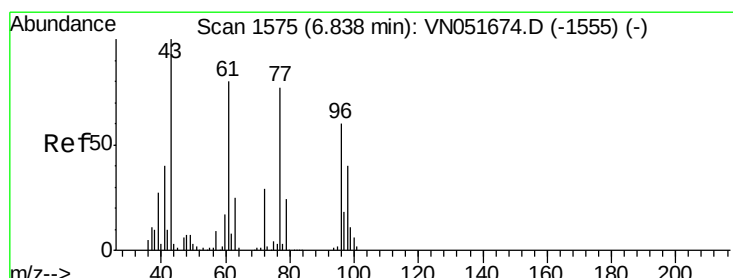
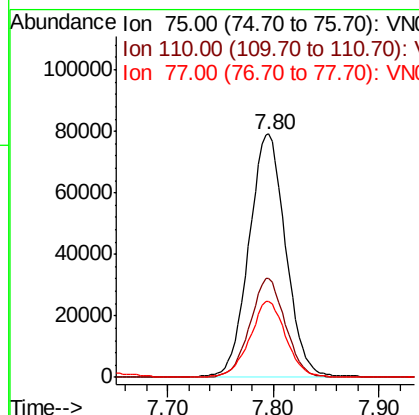
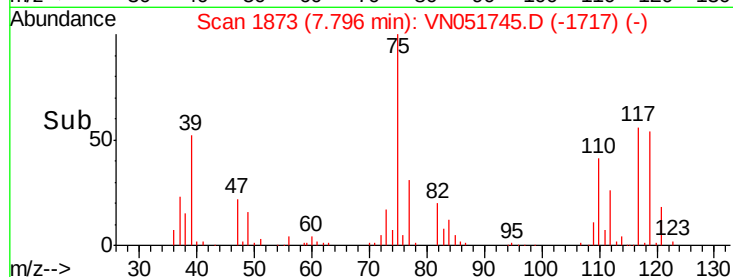
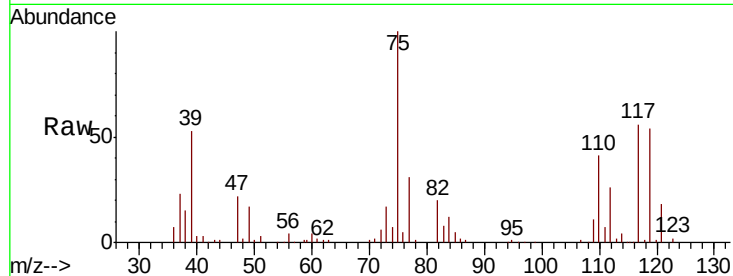
#29
 1,1-Dichloropropene
 Concen: 21.751 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.1	0.0	70.8
77	30.8	0.0	61.6

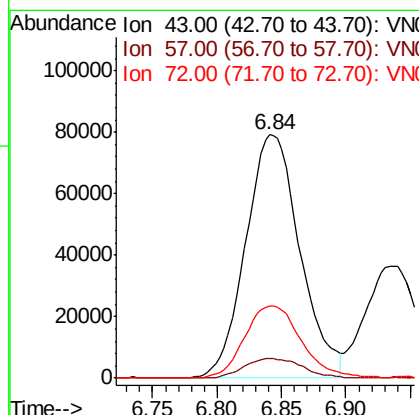
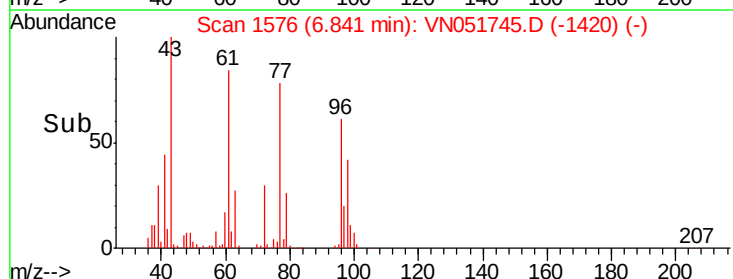
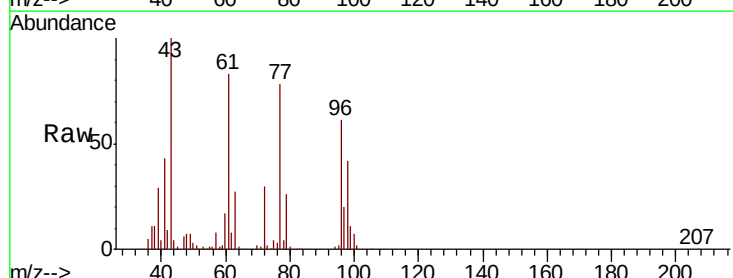
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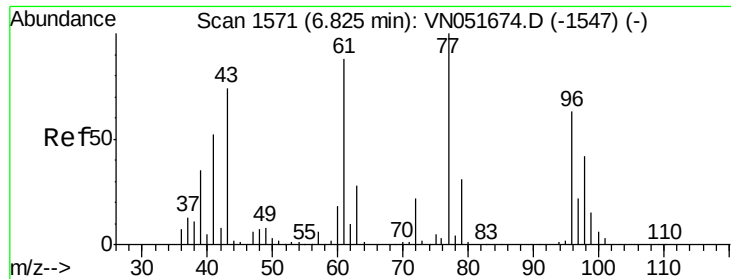
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#30
 2-Butanone
 Concen: 107.157 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.7	4.5	6.7#
72	31.3	21.5	32.3





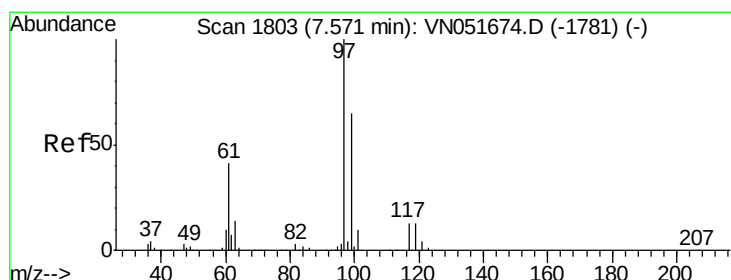
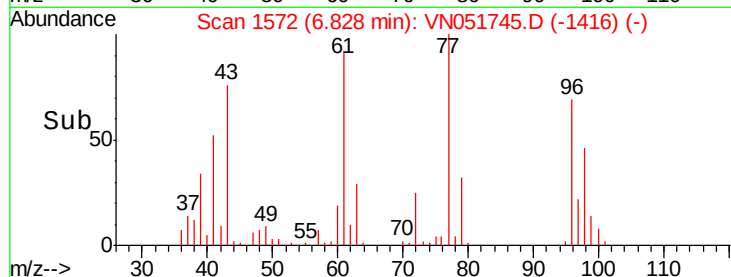
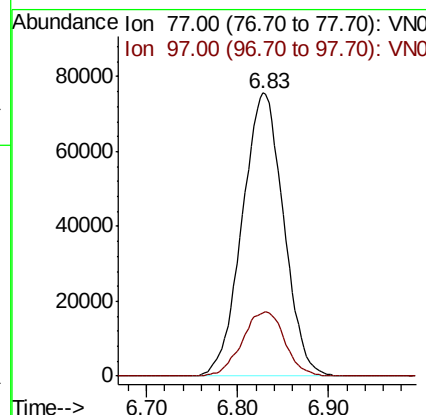
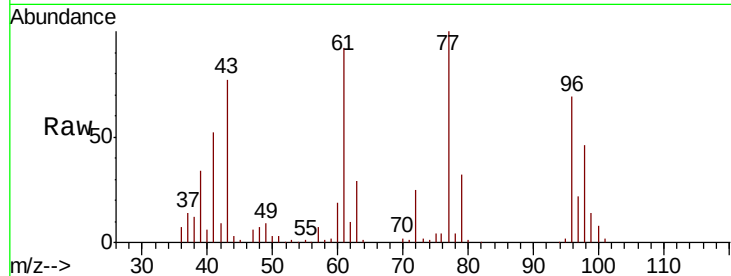
#31
 2,2-Dichloropropane
 Concen: 21.714 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.4	12.0	18.0#

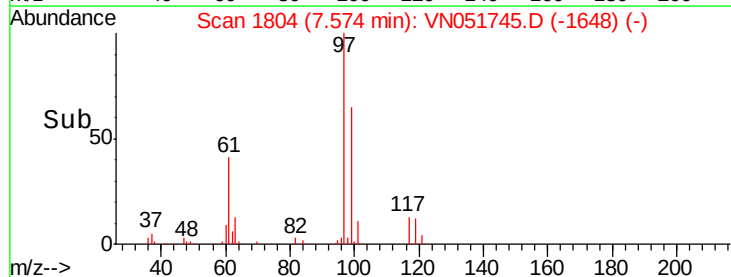
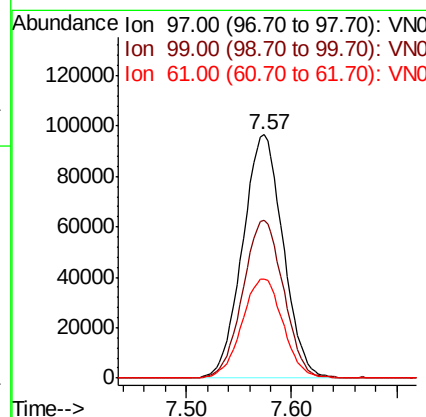
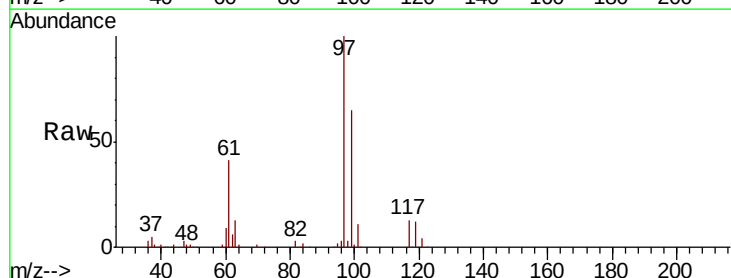
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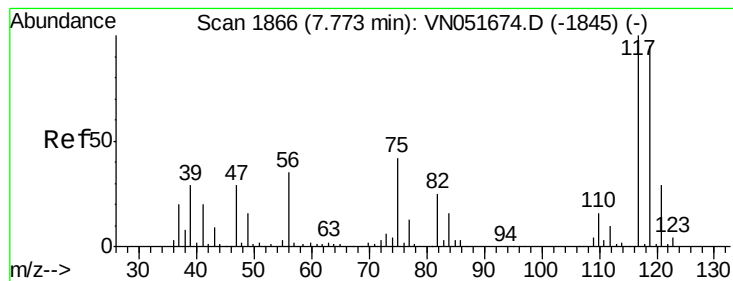
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#32
 1,1,1-Trichloroethane
 Concen: 21.726 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	41.3	37.4	56.0





#33

Carbon Tetrachloride

Concen: 21.228 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

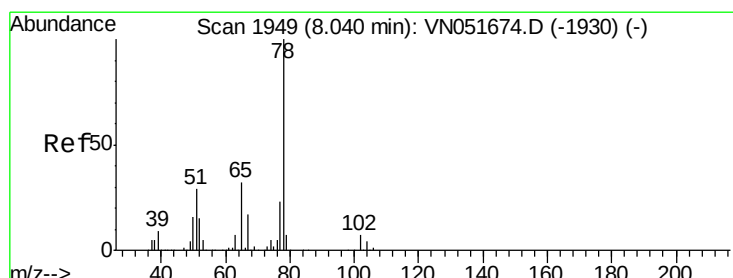
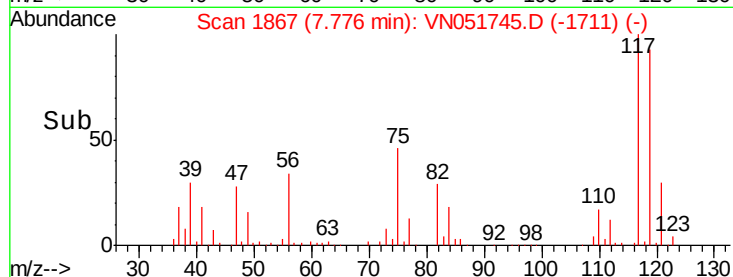
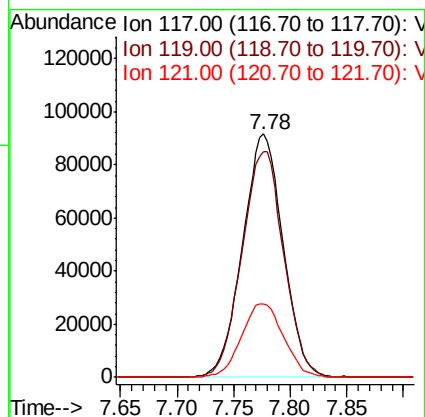
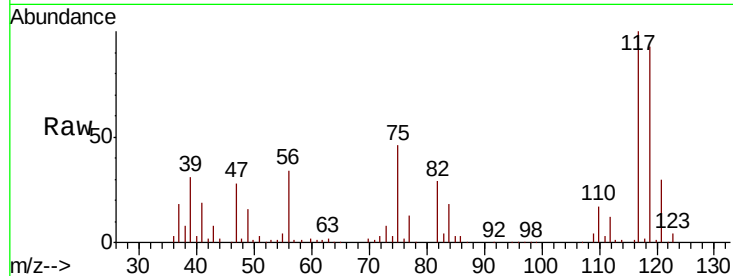
ClientSampleId :

VN1009WBS01

Tot Ion:	117	Resp:	228505
Ion Ratio	Lower	Upper	
117	100		
119	92.5	85.1	127.7
121	30.3	24.2	36.2

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#34

Benzene

Concen: 21.198 ug/l

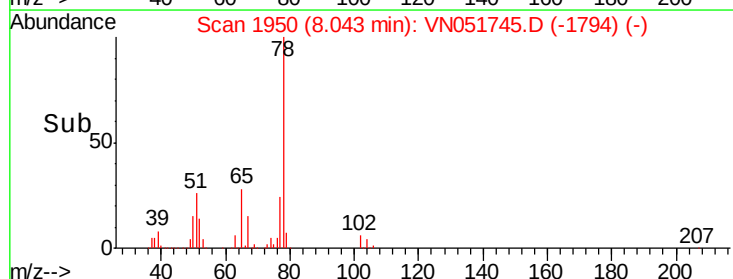
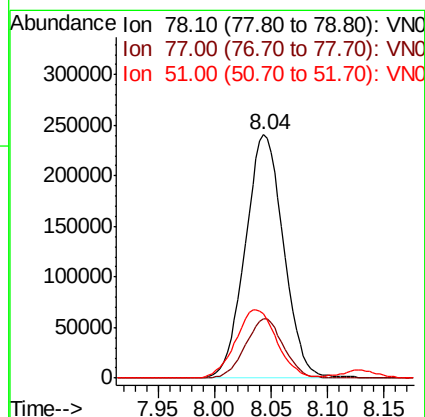
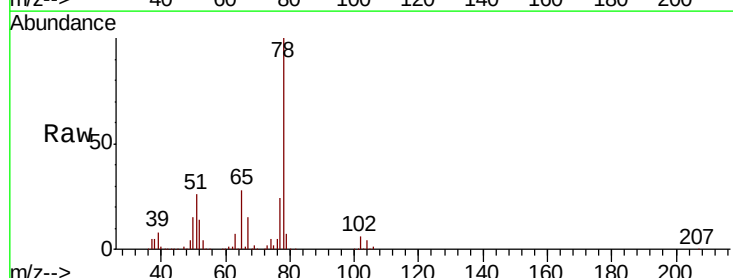
RT: 8.04 min Scan# 1950

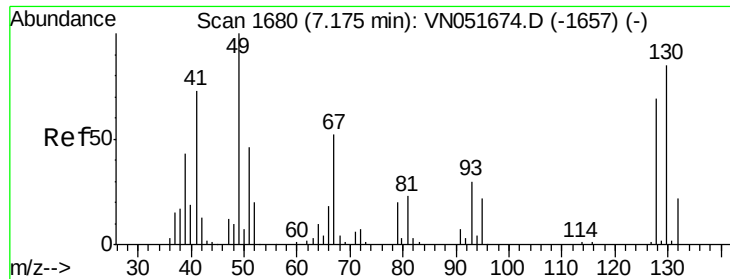
Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Tgt Ion:	78	Resp:	566168
Ion Ratio	Lower	Upper	
78	100		
77	24.5	18.8	28.2
51	26.1	46.2	69.4#





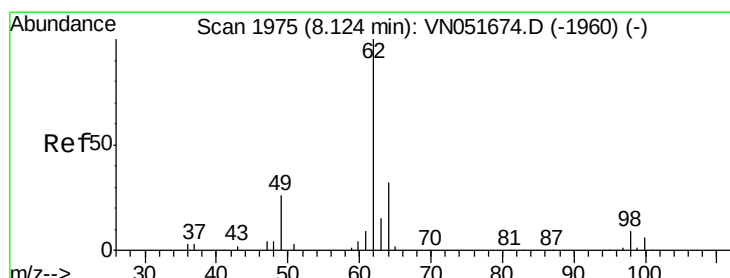
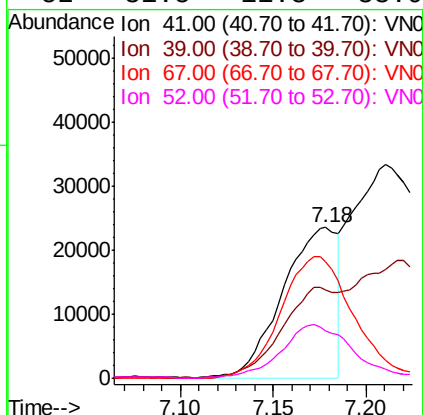
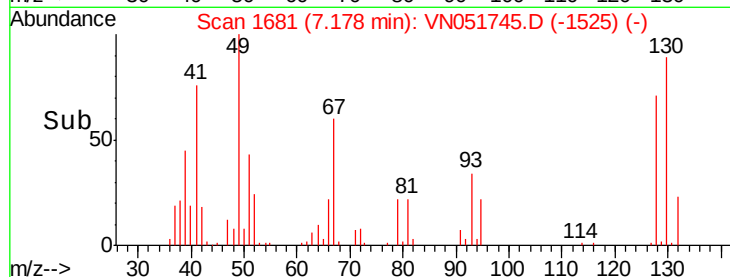
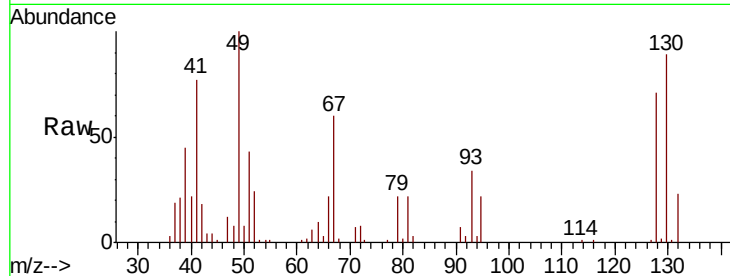
#35
Methacrylonitrile
Concen: 20.457 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.1	22.6	67.7
67	77.8	28.9	86.8
52	31.5	11.3	33.9

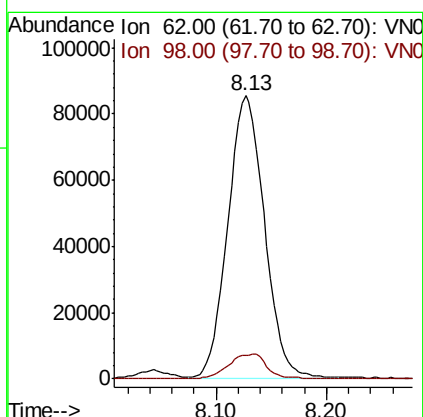
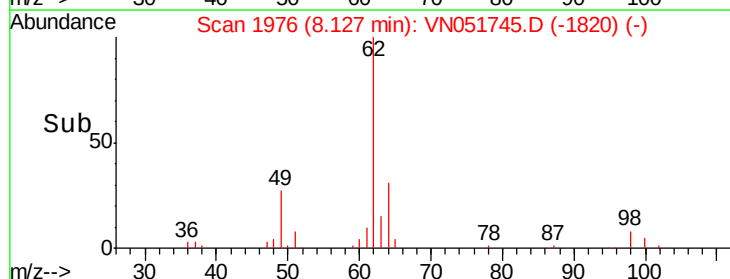
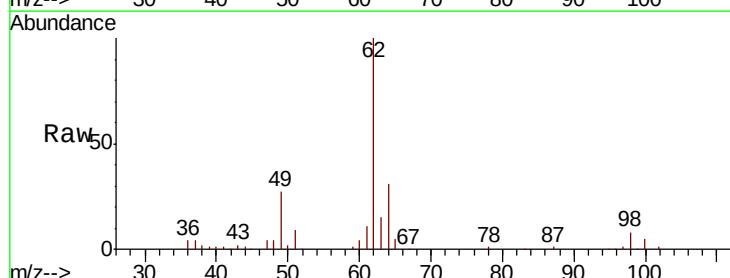
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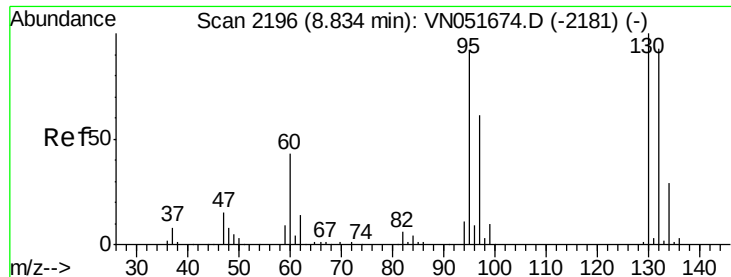
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#36
1,2-Dichloroethane
Concen: 22.183 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	6.9	10.3#





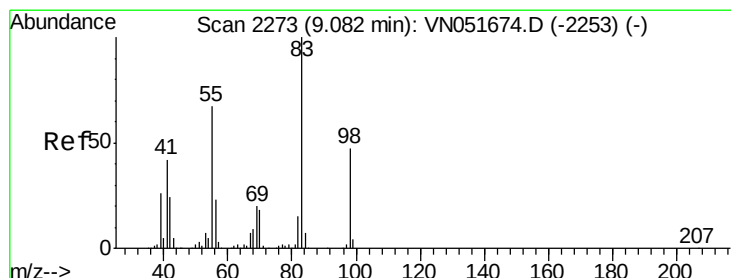
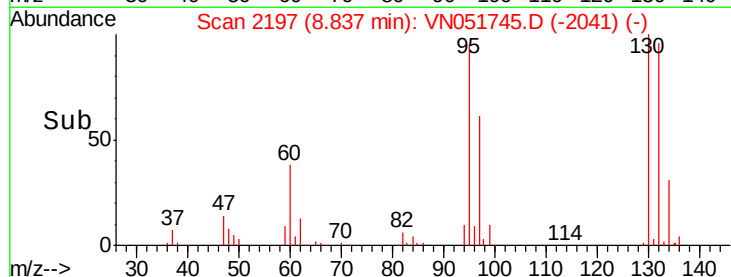
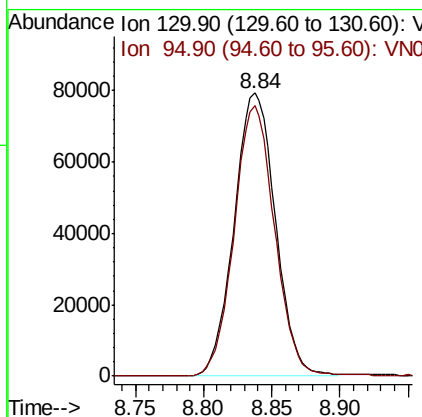
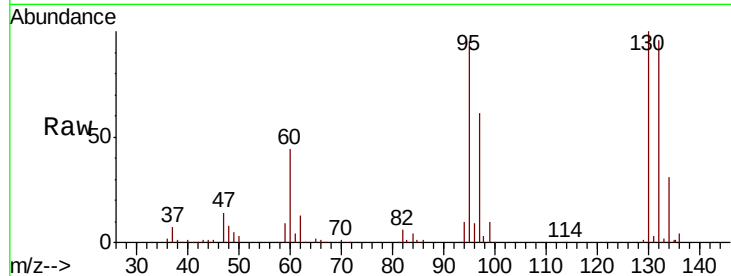
#37
 Trichloroethene
 Concen: 22.500 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion:130 Resp: 167108
 Ion Ratio Lower Upper
 130 100
 95 95.4 76.4 114.6

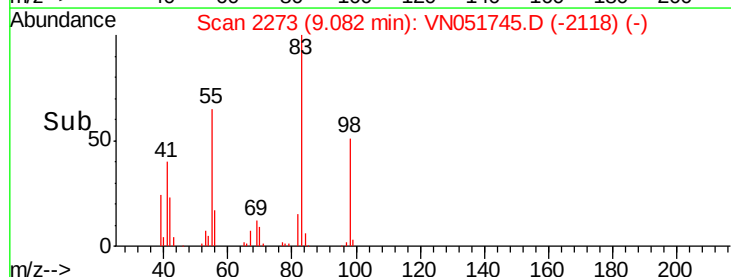
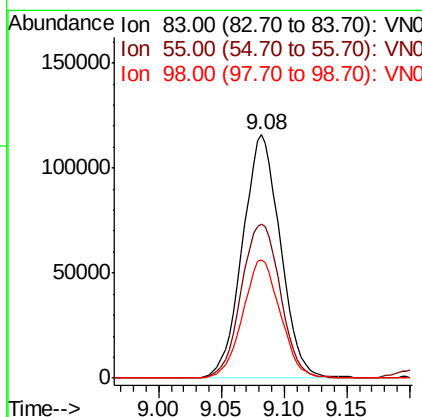
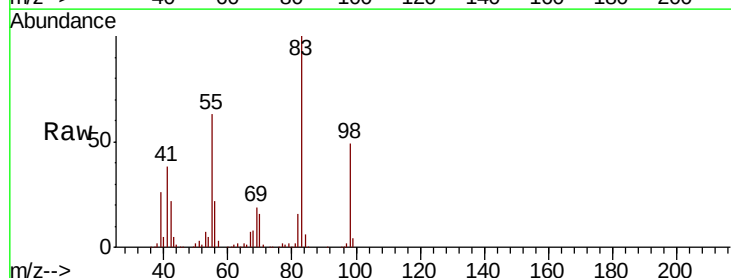
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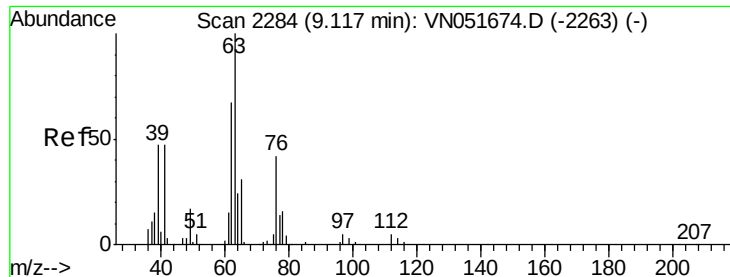
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#38
 Methylcyclohexane
 Concen: 21.747 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion: 83 Resp: 243154
 Ion Ratio Lower Upper
 83 100
 55 65.4 43.0 129.2
 98 48.5 21.3 63.7





#39

1,2-Dichloropropane

Concen: 20.836 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 63 Resp: 136310

Ion Ratio Lower Upper

63 100

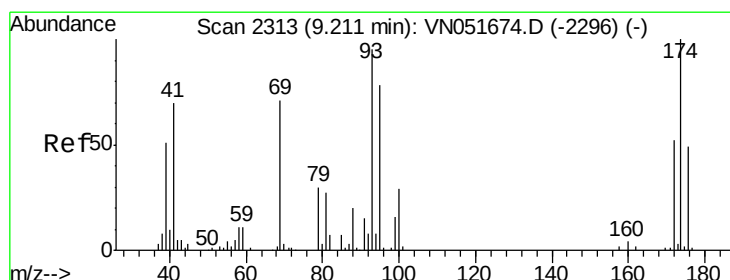
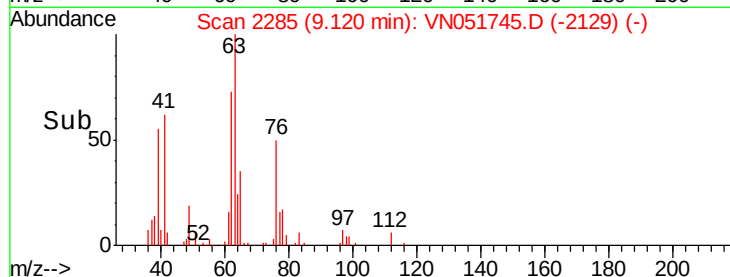
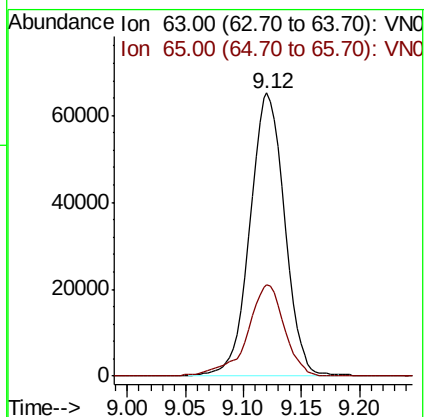
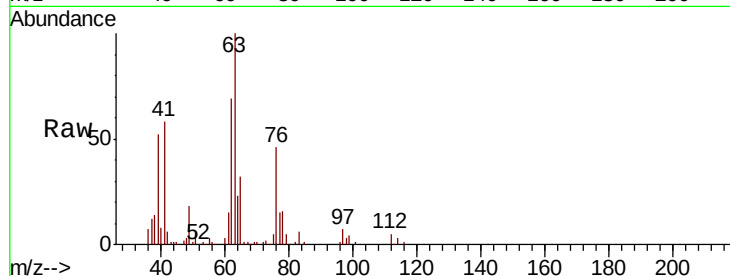
65 32.1 23.2 34.8

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#40

Dibromomethane

Concen: 22.019 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

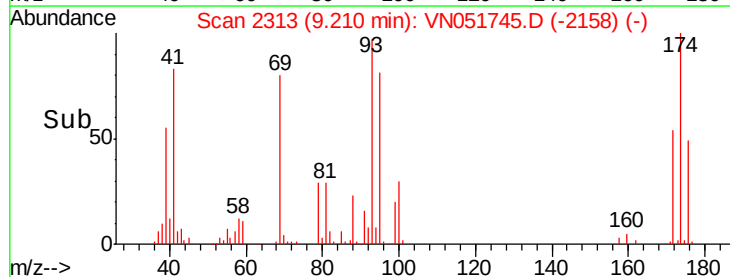
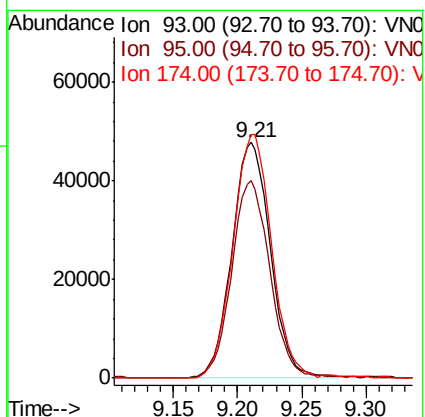
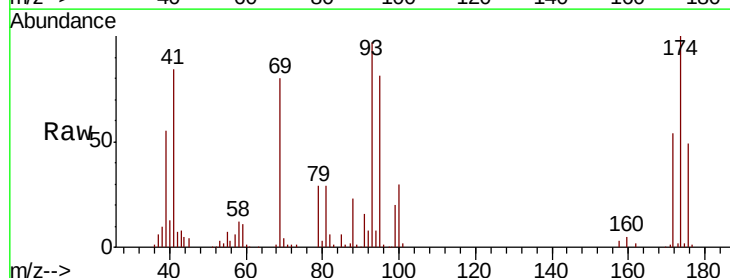
Tgt Ion: 93 Resp: 99653

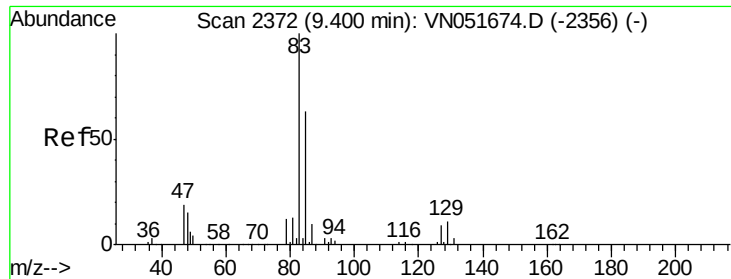
Ion Ratio Lower Upper

93 100

95 82.9 0.0 162.0

174 103.0 0.0 214.0





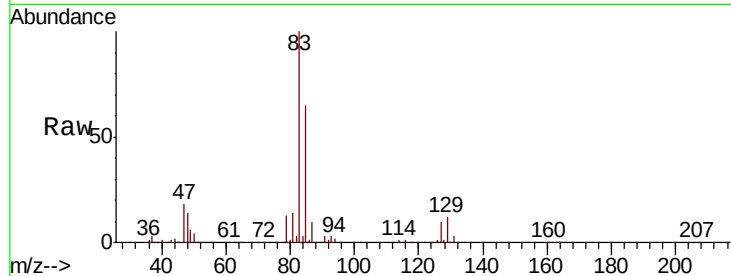
#41
Bromodichloromethane
Concen: 21.114 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

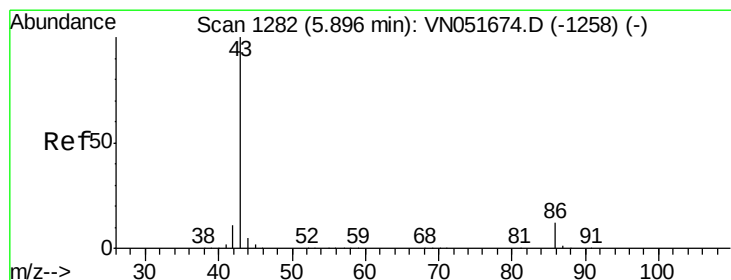
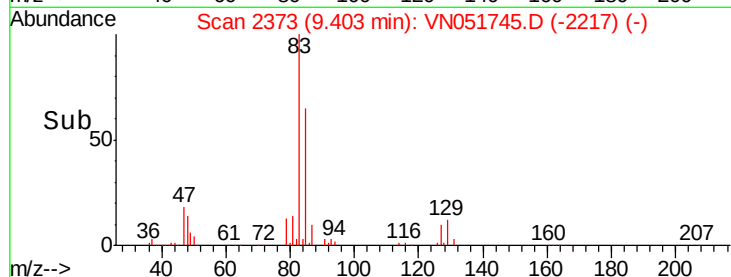
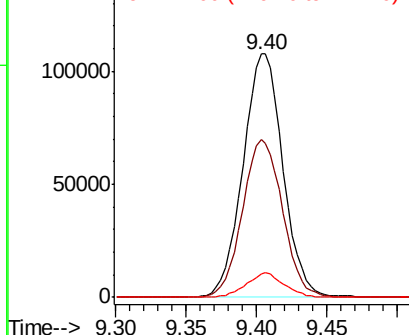
Tot Ion	83	Resp	213252
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	55.7	83.5
127	9.6	8.2	12.4

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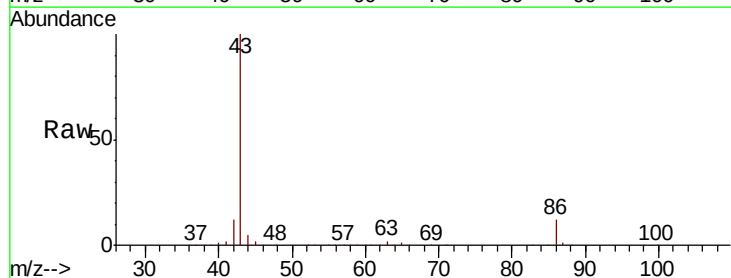


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

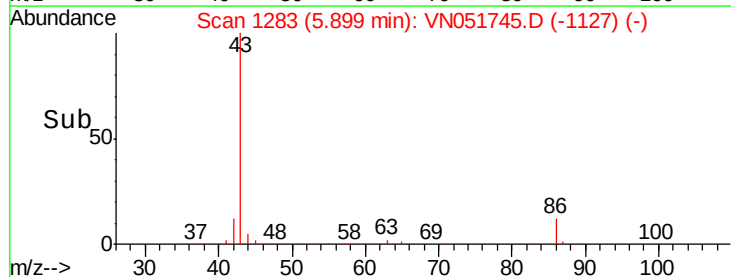
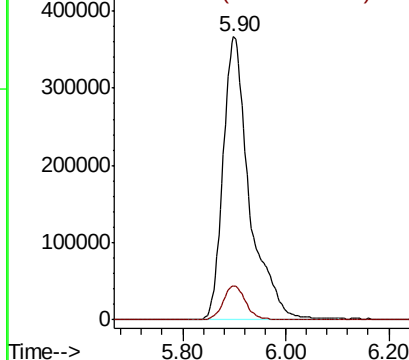


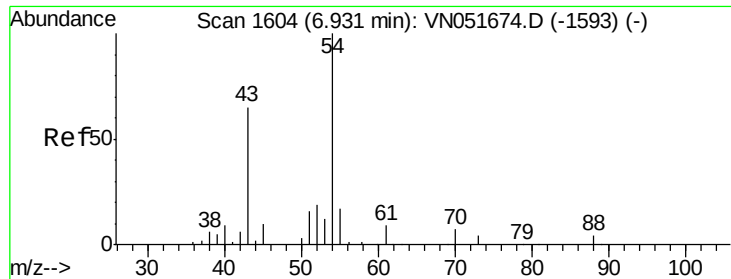
#42
Vinyl Acetate
Concen: 103.048 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	43	Resp	1305651
Ion Ratio	100	Lower	Upper
43	100		
86	10.2	6.5	9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





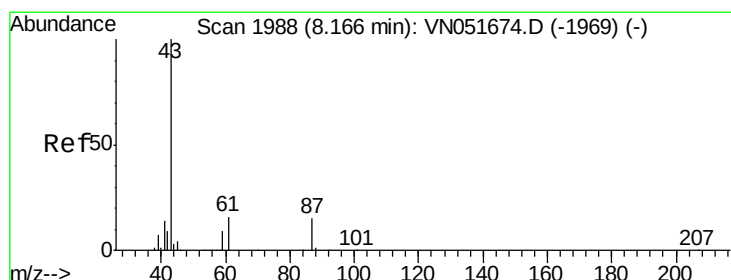
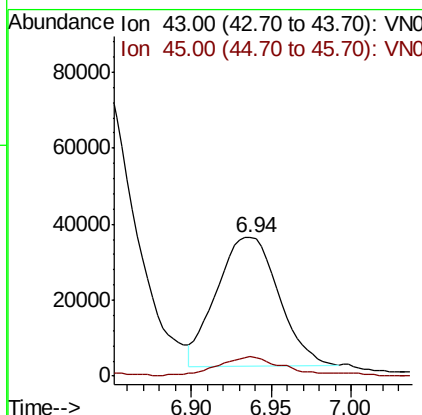
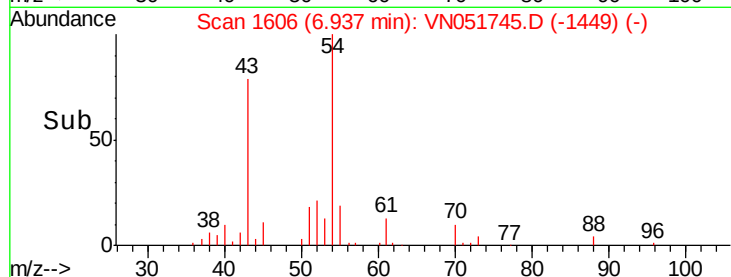
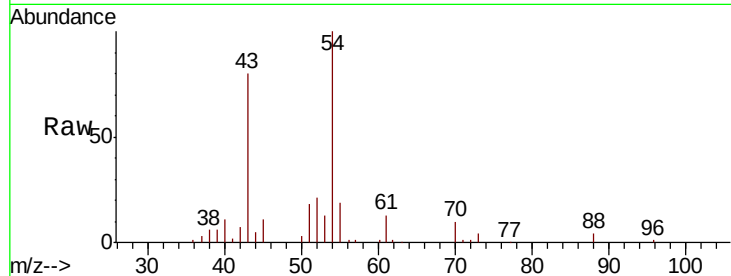
#43
Ethyl Acetate
Concen: 19.966 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion: 43 Resp: 90337
Ion Ratio Lower Upper
43 100
45 14.1 11.0 16.6

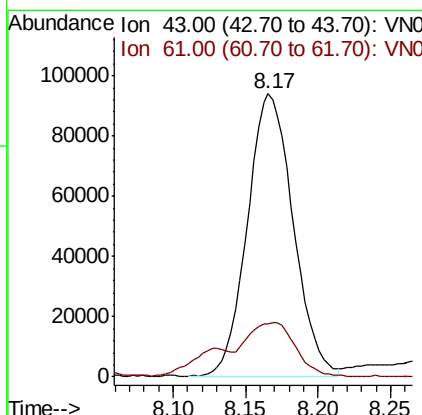
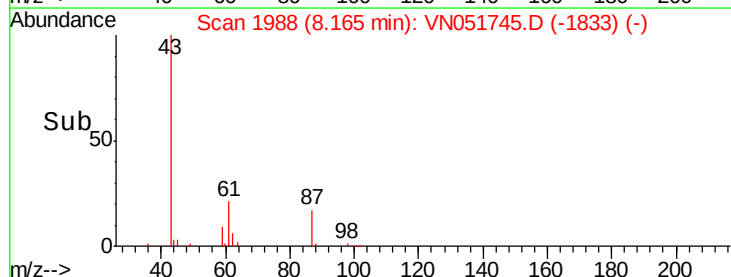
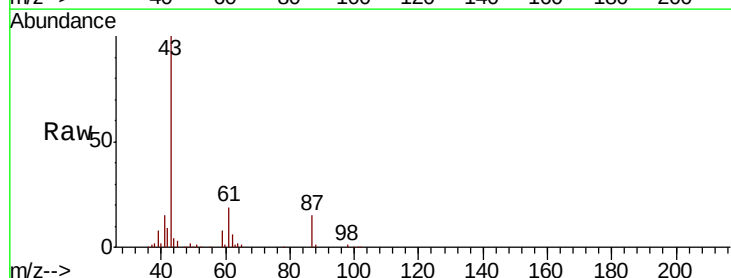
Manual Integrations
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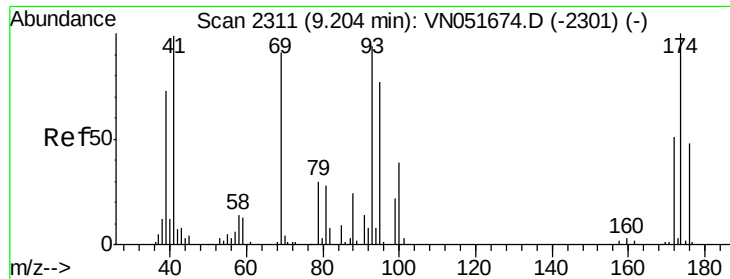
MMDadoda
10/10/2018 10:09:15 AM



#44
Isopropyl Acetate
Concen: 20.558 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion: 43 Resp: 205720
Ion Ratio Lower Upper
43 100
61 21.3 15.9 23.9





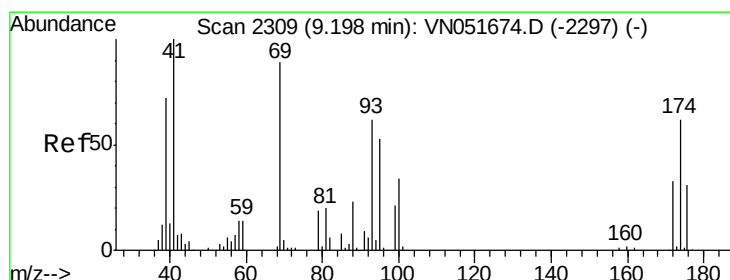
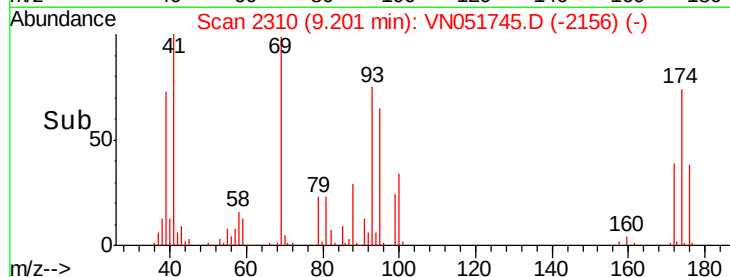
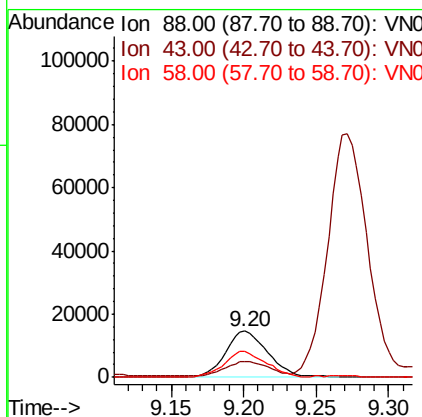
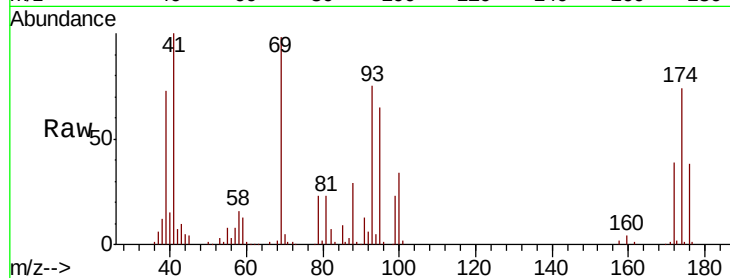
#45
 1,4-Dioxane
 Concen: 469.670 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.2	39.2
58	56.2	65.6	98.4#

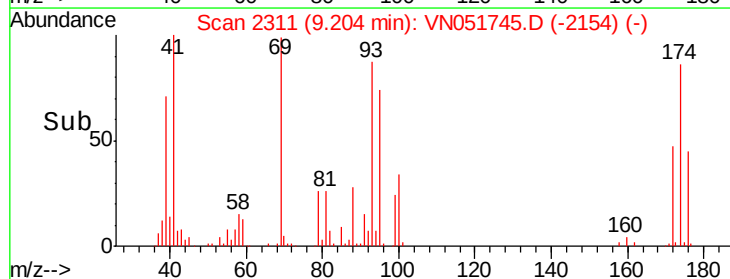
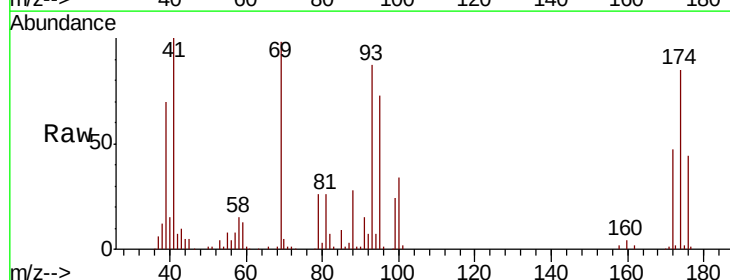
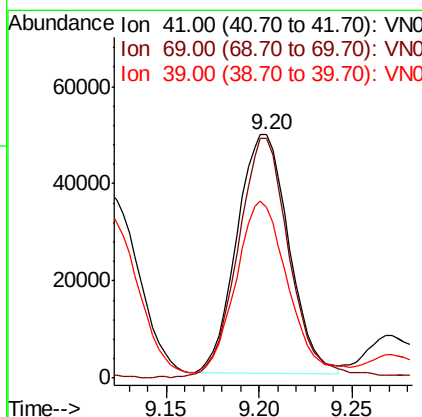
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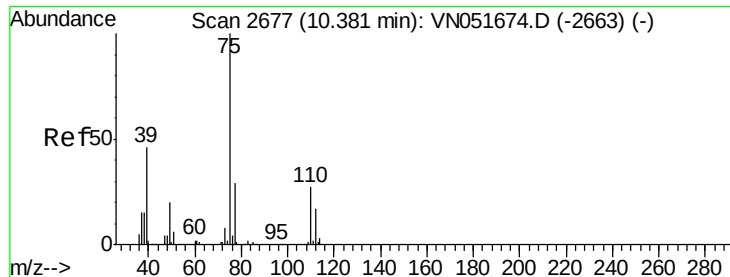
MMDadoda
 10/10/2018 10:09:15 AM



#46
 Methyl methacrylate
 Concen: 21.587 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	99.5	40.7	122.1
39	69.2	27.3	81.9





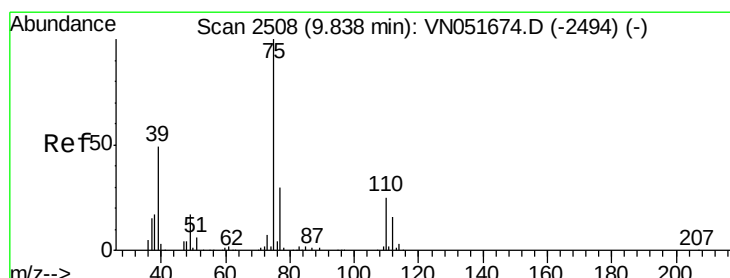
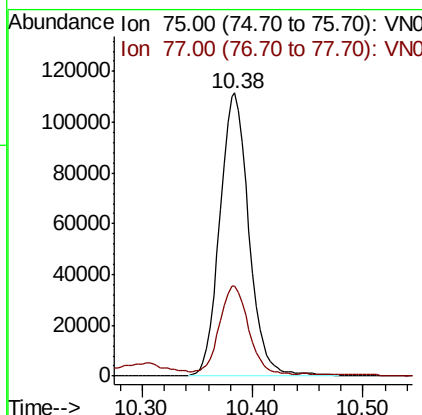
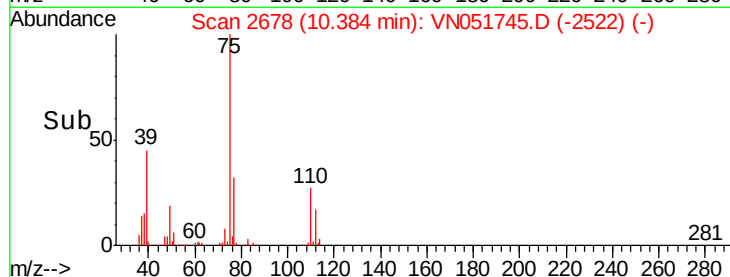
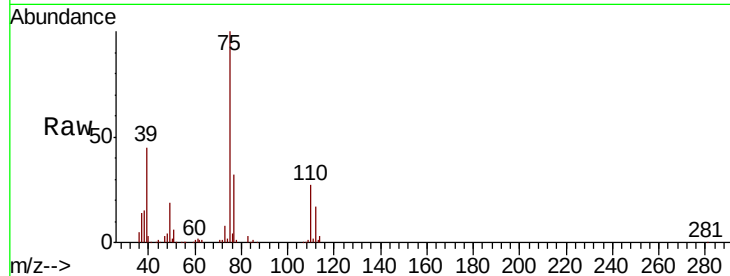
#48
t-1,3-Dichloropropene
Concen: 19.980 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion: 75 Resp: 204149
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

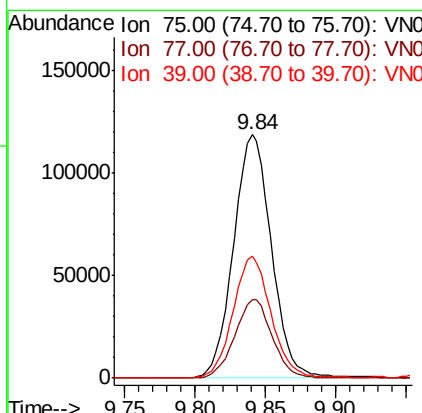
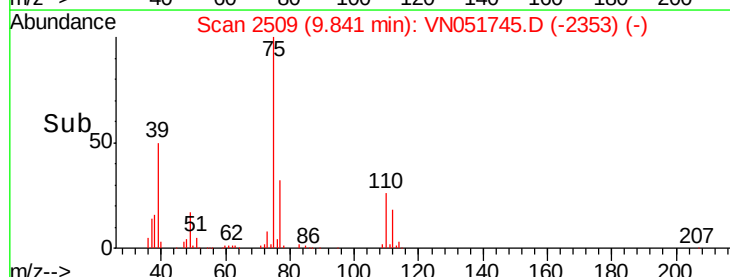
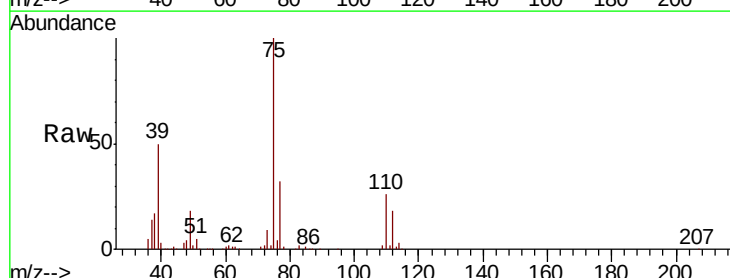
Manual Integrations
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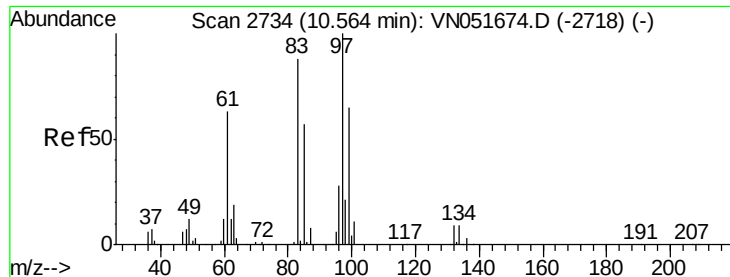
MMDadoda
10/10/2018 10:09:15 AM



#49
cis-1,3-Dichloropropene
Concen: 20.268 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion: 75 Resp: 223201
Ion Ratio Lower Upper
75 100
77 32.1 23.2 34.8
39 49.8 34.6 52.0





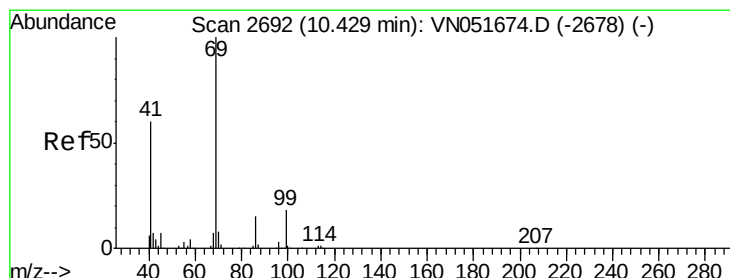
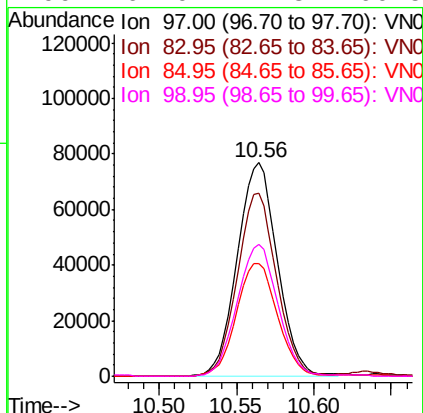
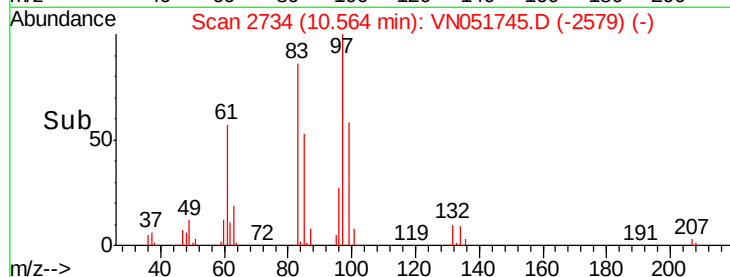
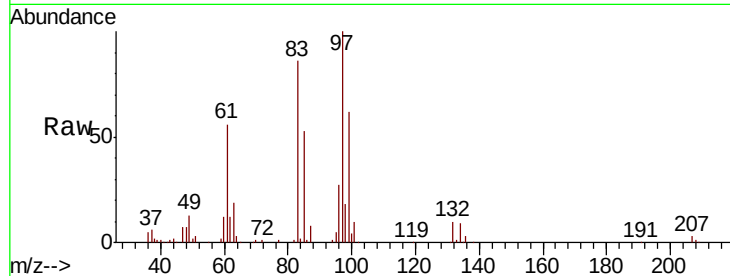
#50
1,1,2-Trichloroethane
Concen: 21.738 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		138750		
83	85.9	68.2	102.4		
85	52.8	42.5	63.7		
99	62.0	44.3	66.5		

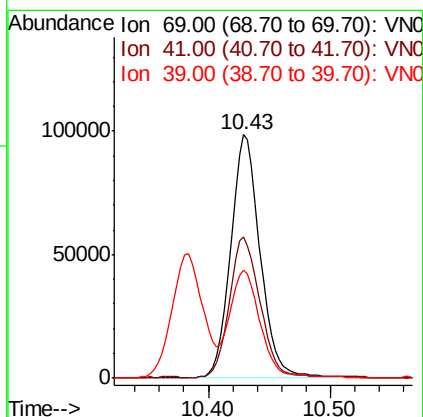
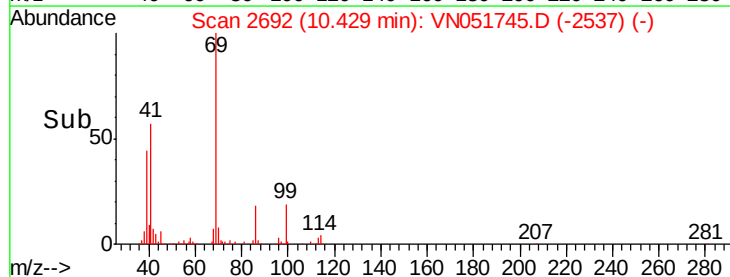
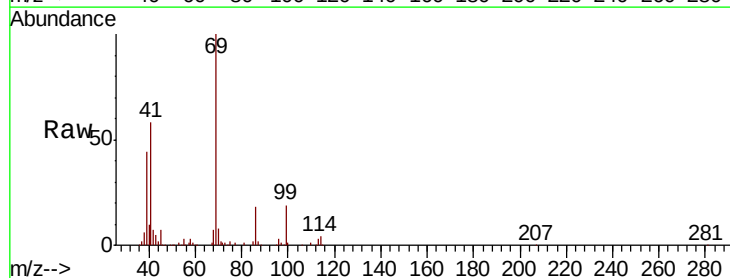
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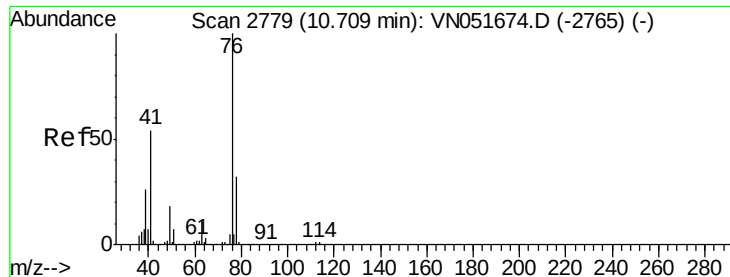
MMDadoda
10/10/2018 10:09:15 AM



#51
Ethyl methacrylate
Concen: 20.451 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		166014		
41	57.4	34.4	103.1		
39	43.7	16.3	48.8		





#52

1,3-Dichloropropane

Concen: 21.082 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampled :

VN1009WBS01

Tot Ion: 76 Resp: 214293

Ion Ratio Lower Upper

76 100

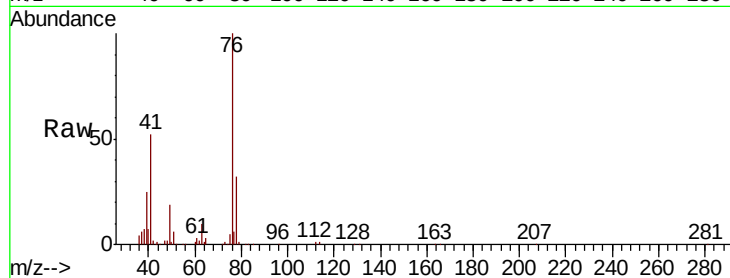
78 32.8 0.0 67.6

Manual Integrations

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MMDadoda

10/10/2018 10:09:15 AM



Abundance Ion 76.00 (75.70 to 76.70): VN051674.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN051674.D (-2765) (-)

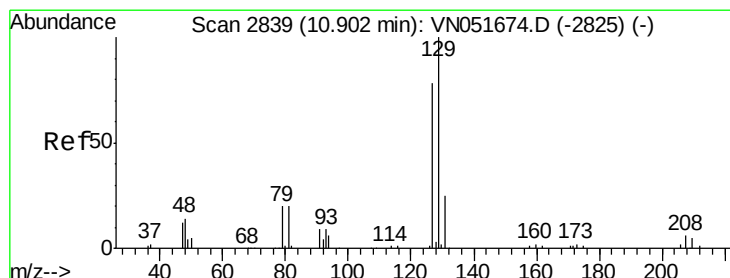
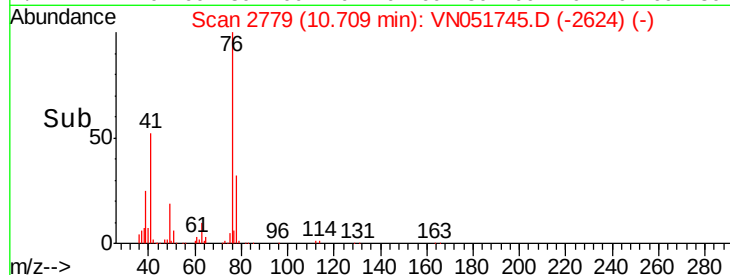
10.71

100000

50000

0

Time-->



#53

Dibromochloromethane

Concen: 19.862 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051745.D

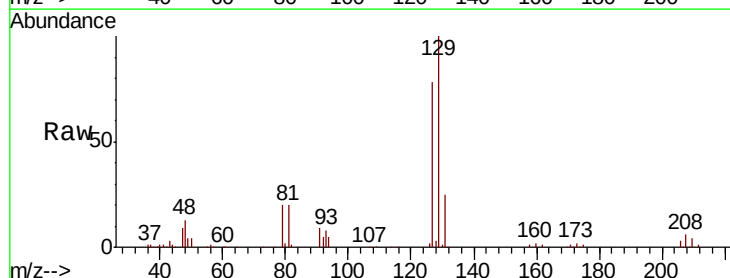
Acq: 9 Oct 2018 12:28

Tgt Ion: 129 Resp: 166516

Ion Ratio Lower Upper

129 100

127 77.8 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): VN051674.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN051674.D (-2825) (-)

10.90

100000

80000

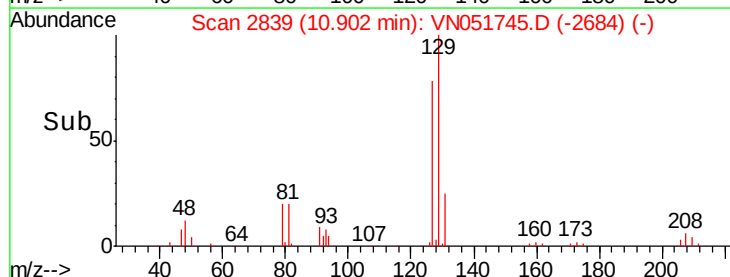
60000

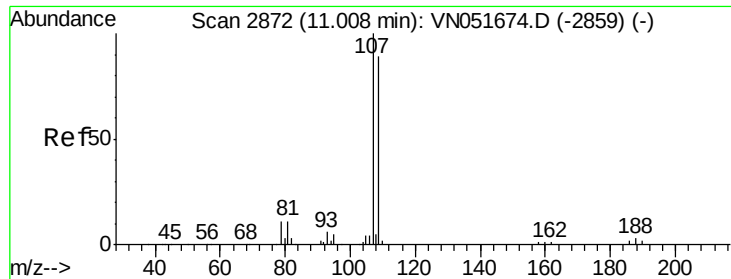
40000

20000

0

Time-->





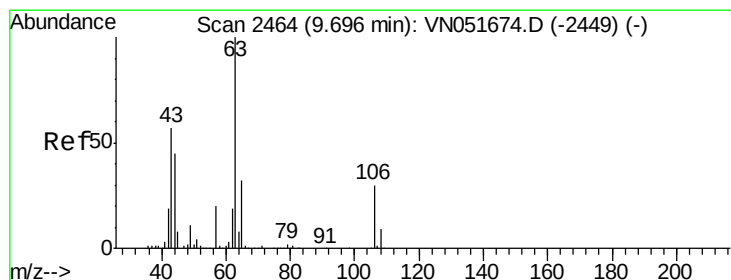
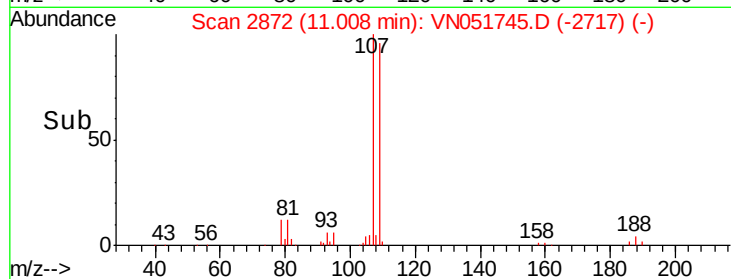
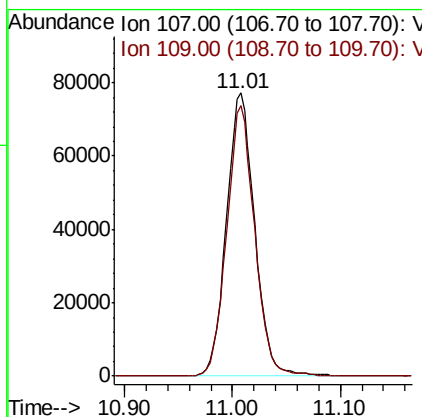
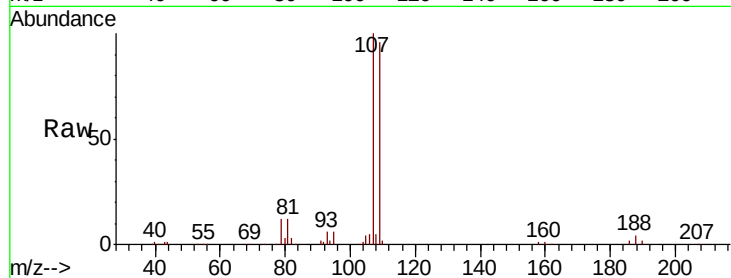
#54
 1,2-Dibromoethane
 Concen: 21.012 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	77.4	116.0

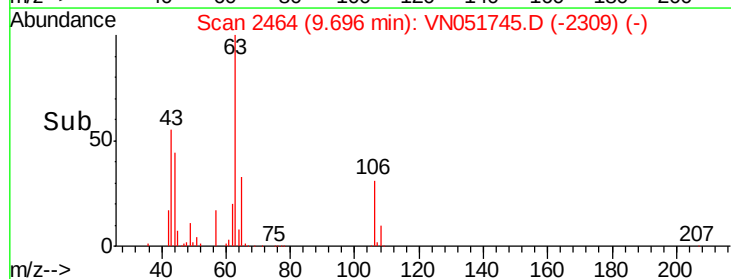
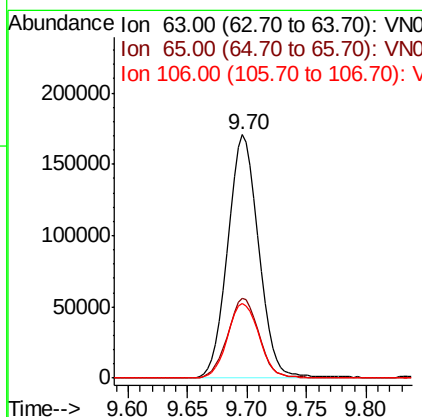
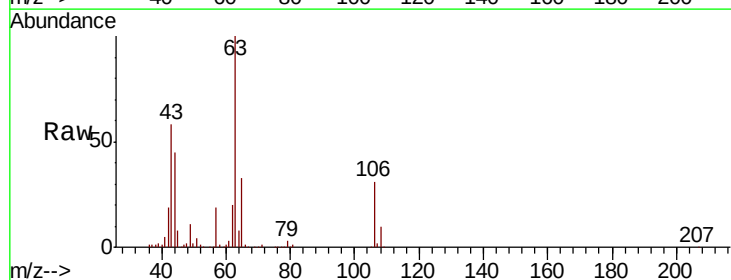
Manual Integrations
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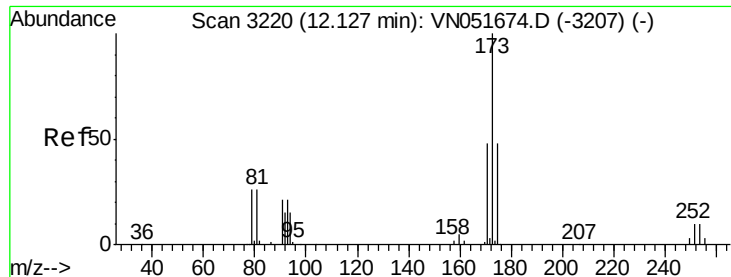
MMDadoda
 10/10/2018 10:09:15 AM



#55
 2-Chloroethyl vinyl ether
 Concen: 92.019 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.4	38.0
106	31.4	21.2	31.8





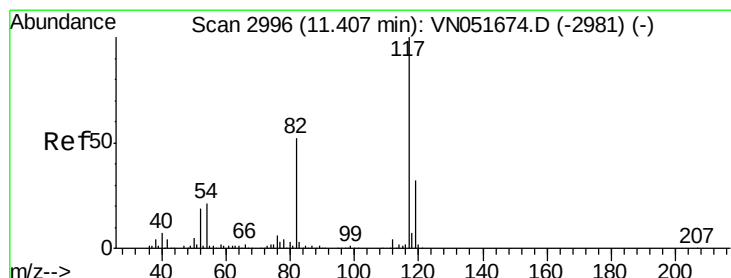
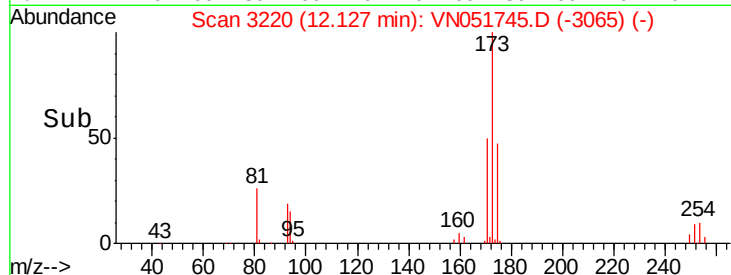
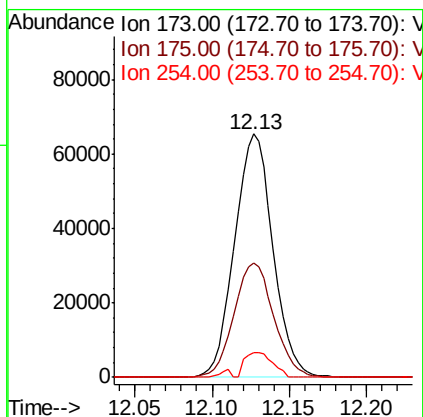
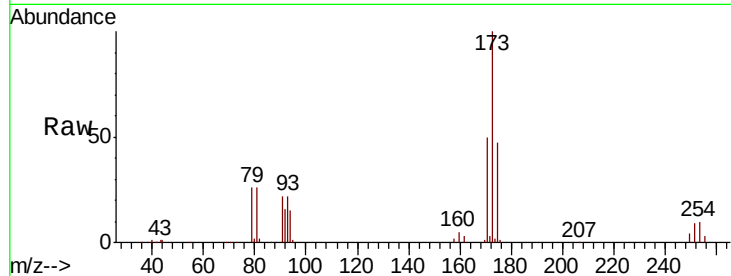
#56
Bromoform
Concen: 18.709 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	35.8	53.8
254	7.5	8.6	13.0

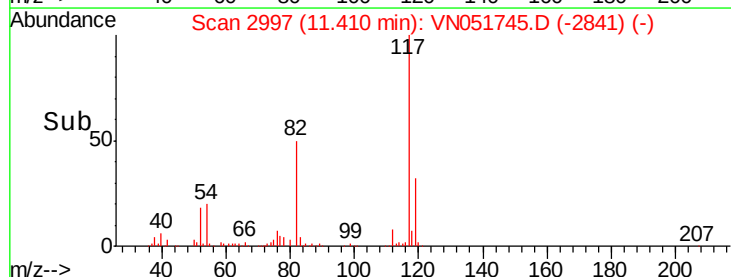
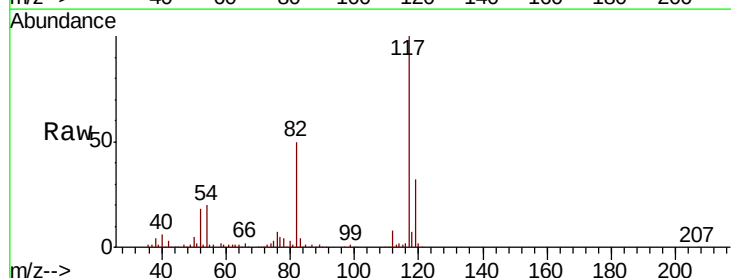
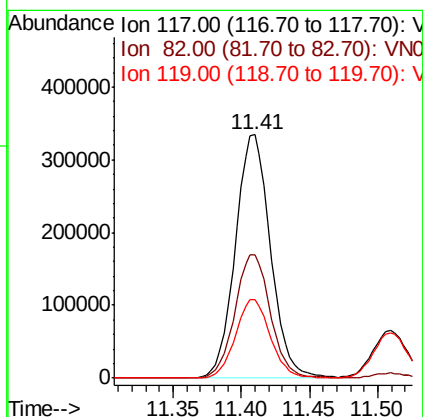
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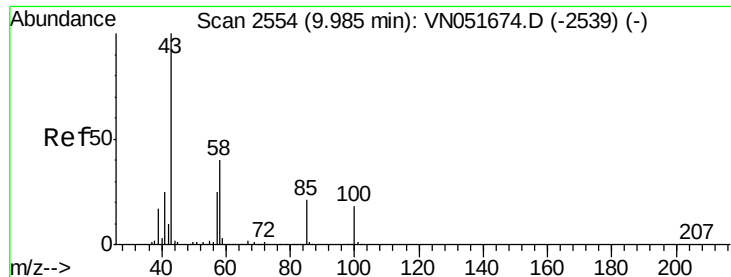
MMDadoda
10/10/2018 10:09:15 AM



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	44.1	66.1
119	32.1	25.8	38.8





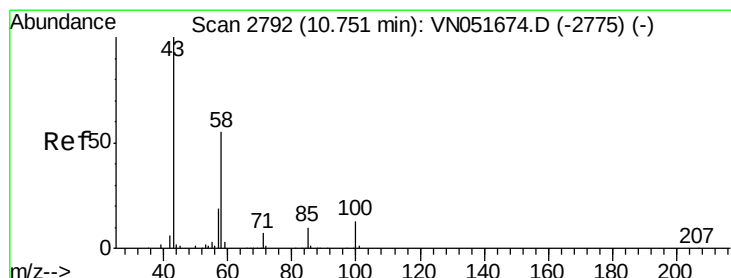
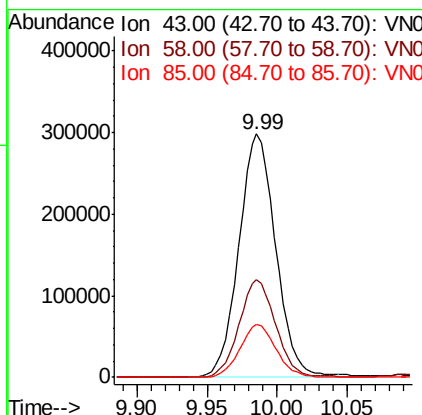
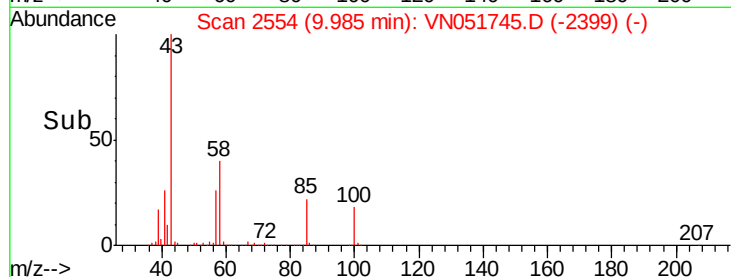
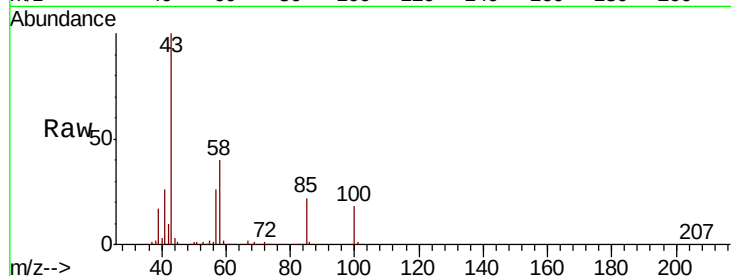
#58
 4-Methyl-2-Pentanone
 Concen: 110.674 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	29.3	43.9
85	21.3	12.6	18.8

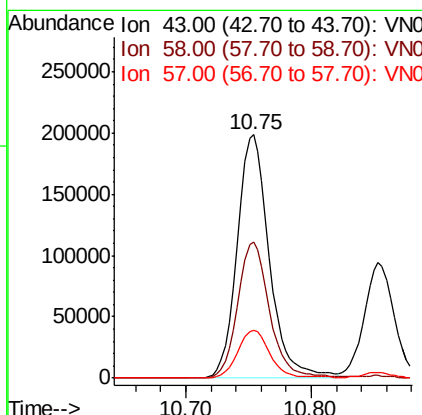
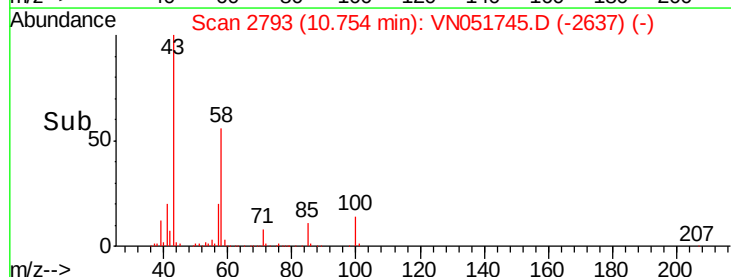
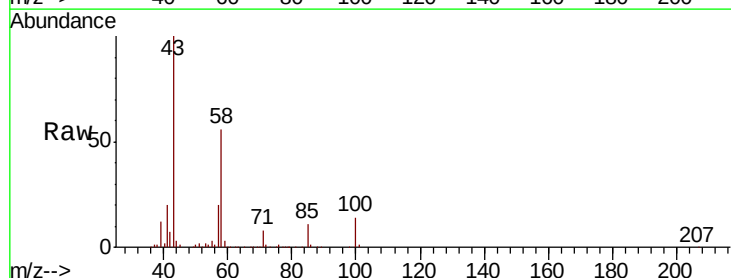
Manual Integrations
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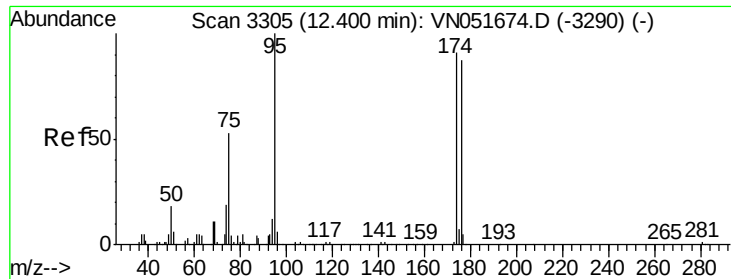
MMDadoda
 10/10/2018 10:09:15 AM



#59
 2-Hexanone
 Concen: 105.893 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.6	41.3	61.9
57	20.3	13.4	20.0





#60

4-Bromofluorobenzene

Concen: 105.893 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

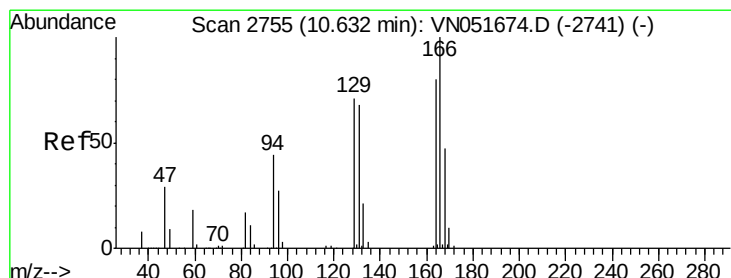
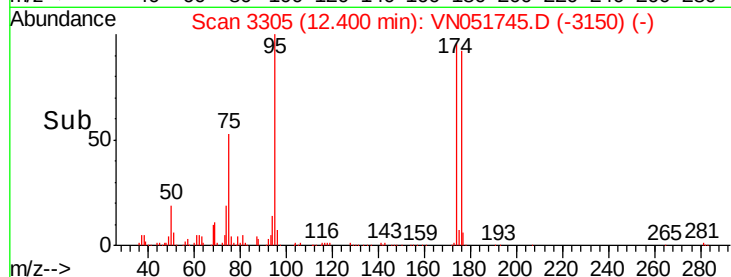
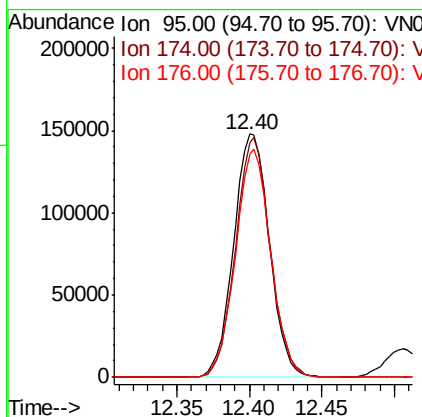
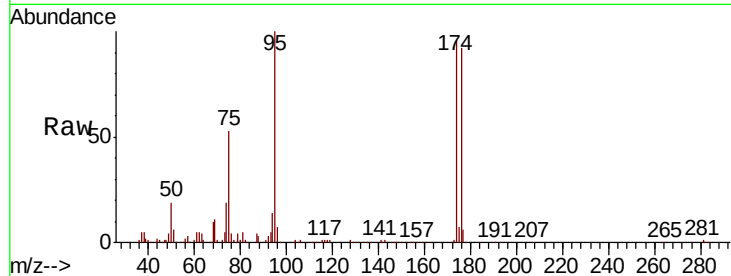
ClientSampleId :

VN1009WBS01

Tot Ion:	95	Resp:	252796
Ion Ratio	Lower	Upper	
95	100		
174	95.8	73.5	110.3
176	92.4	70.2	105.2

Manual Integrations
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#61

Tetrachloroethene

Concen: 22.641 ug/l

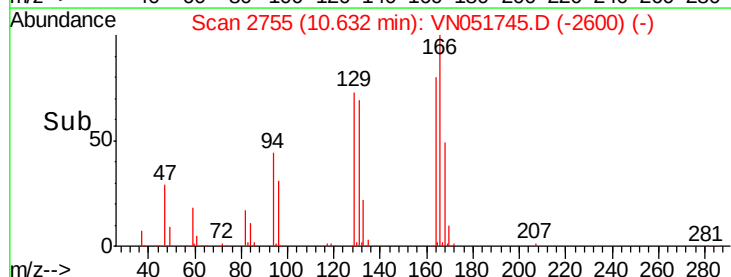
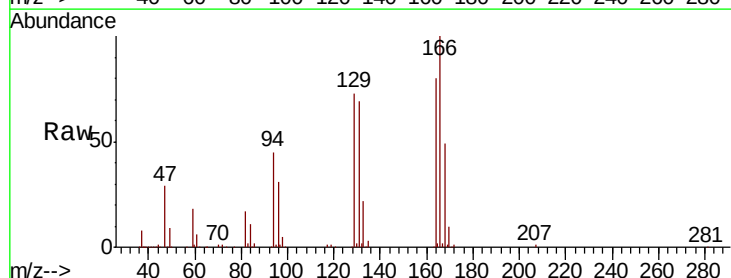
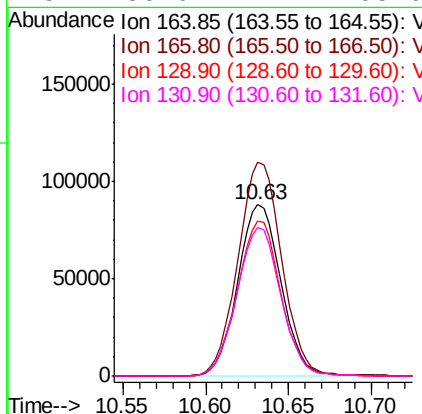
RT: 10.63 min Scan# 2755

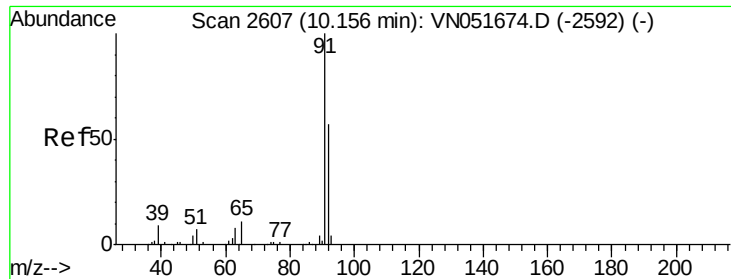
Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Tgt Ion:	164	Resp:	159322
Ion Ratio	Lower	Upper	
164	100		
166	124.7	98.7	148.1
129	90.9	69.6	104.4
131	86.6	72.4	108.6





#62

Toluene

Concen: 21.629 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 91 Resp: 654444

Ion Ratio Lower Upper

91 100

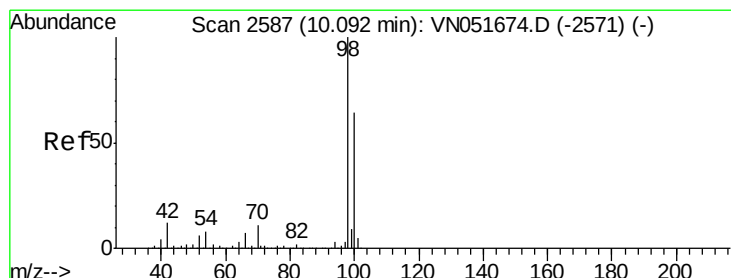
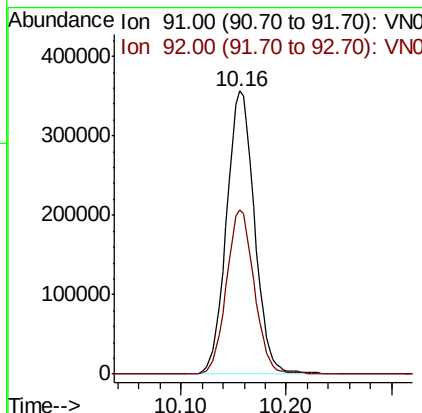
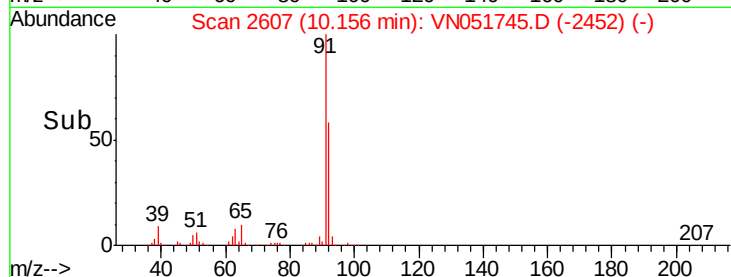
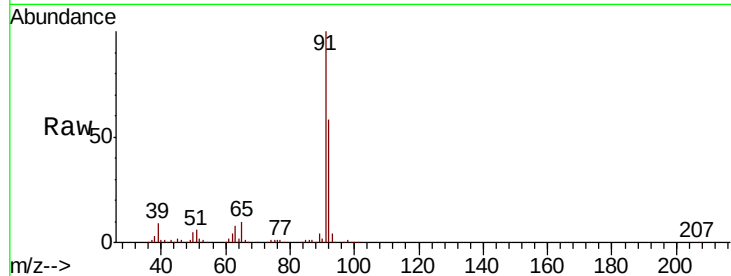
92 57.8 44.6 66.8

Manual Integrations

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#63

Toluene-d8

Concen: 21.629 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051745.D

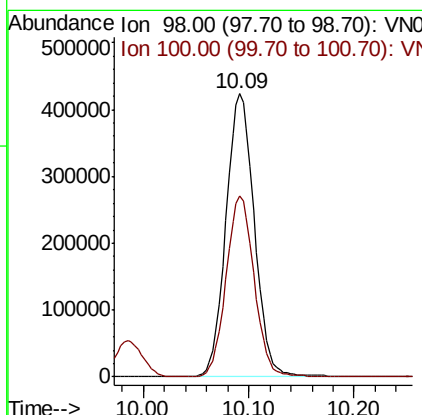
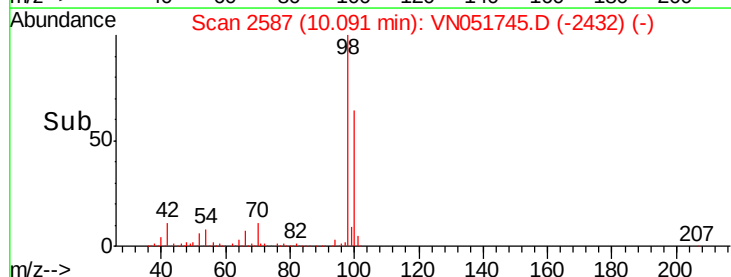
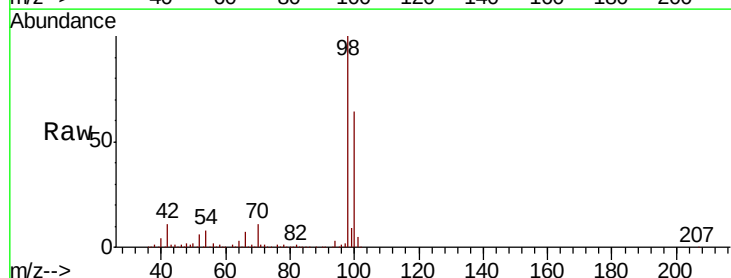
Acq: 9 Oct 2018 12:28

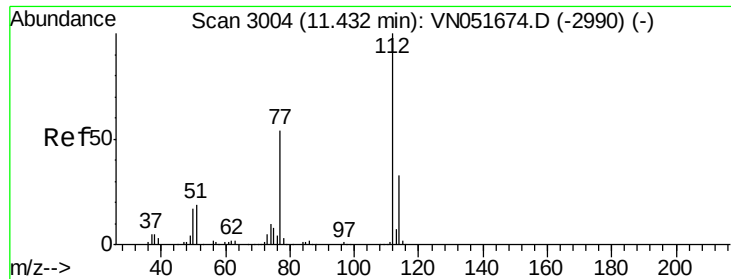
Tgt Ion: 98 Resp: 789262

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2





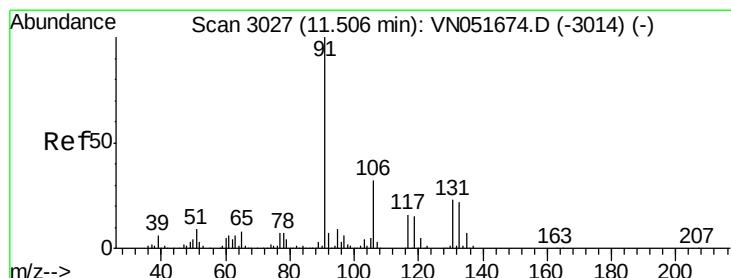
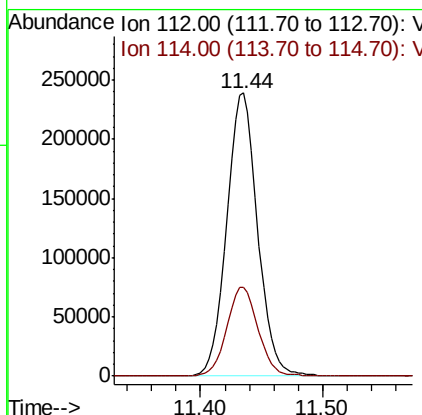
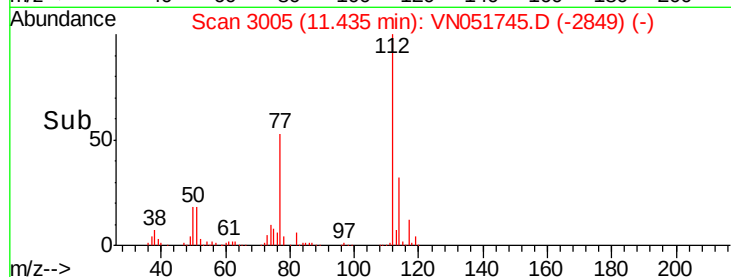
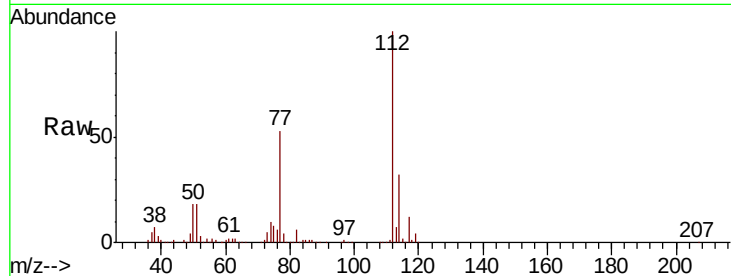
#64
Chlorobenzene
Concen: 21.738 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.5	41.3

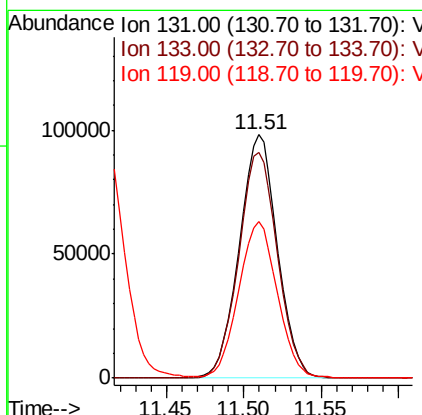
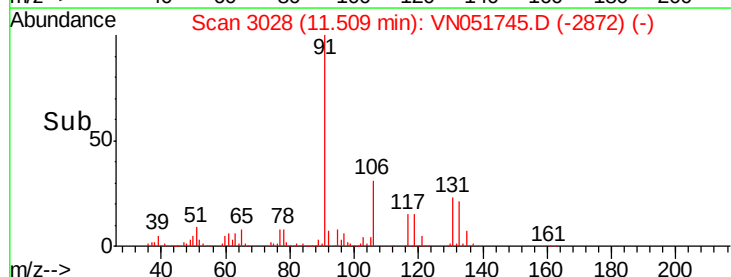
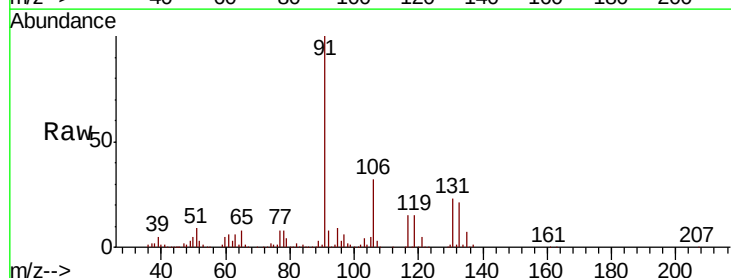
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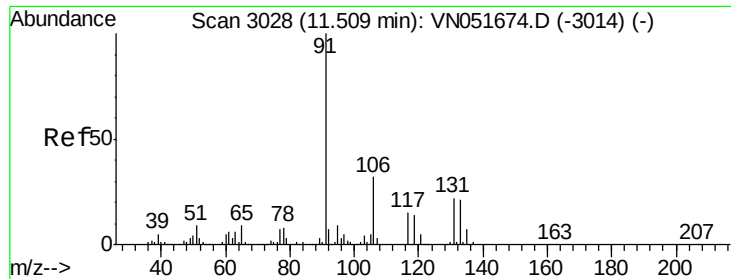
MMDadoda
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#65
1,1,1,2-Tetrachloroethane
Concen: 21.263 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	190.4
119	65.4	0.0	128.0





#66

Ethyl Benzene

Concen: 21.511 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 91 Resp: 732156

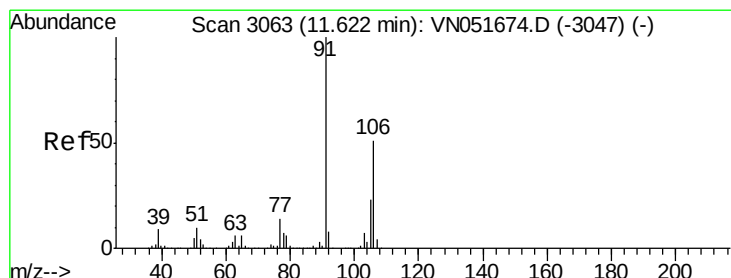
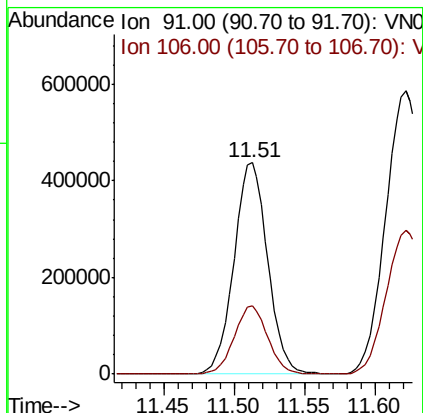
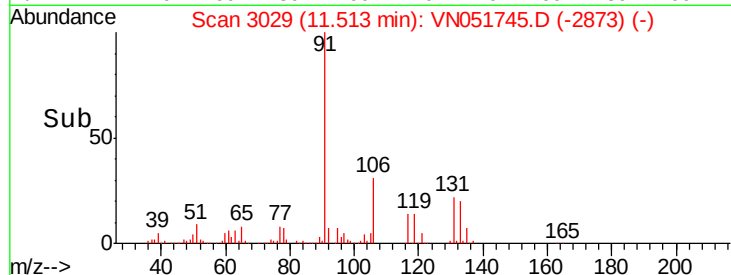
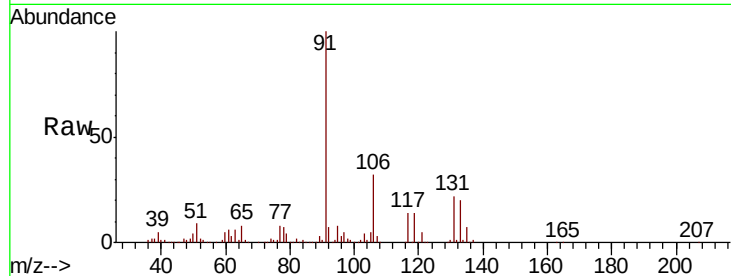
Ion Ratio Lower Upper

91 100

106 32.2 25.9 38.9

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#67

m/p-Xylenes

Concen: 42.793 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051745.D

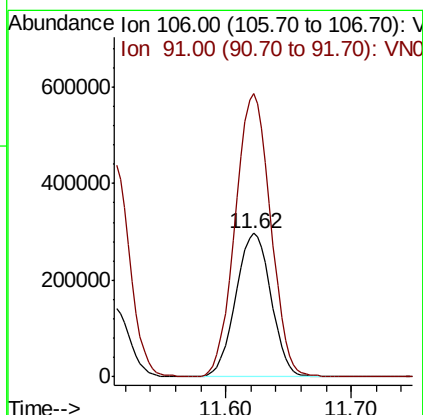
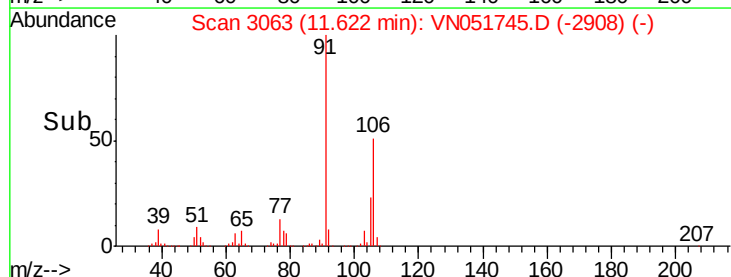
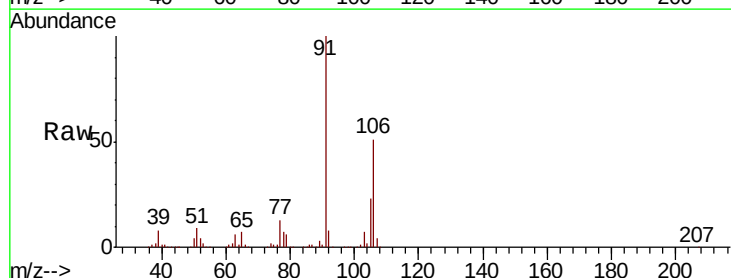
Acq: 9 Oct 2018 12:28

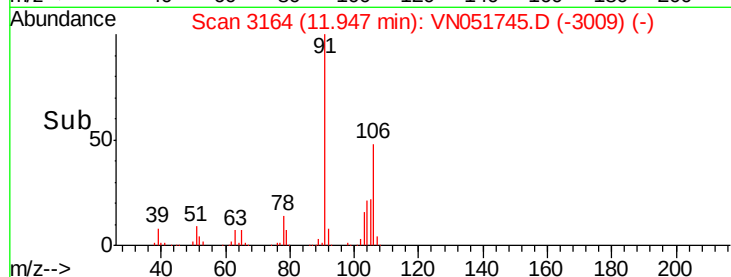
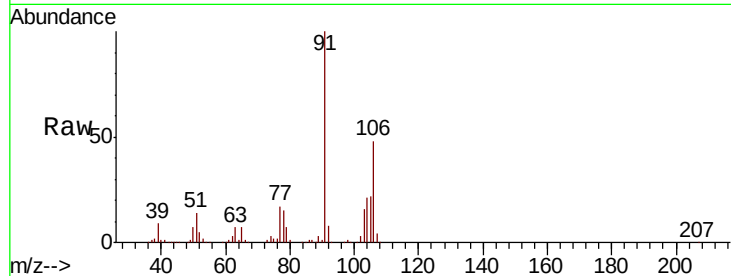
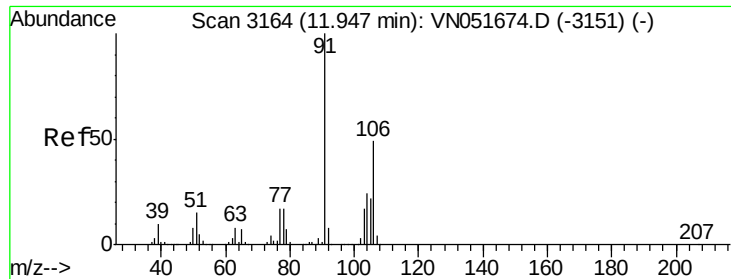
Tgt Ion: 106 Resp: 582568

Ion Ratio Lower Upper

106 100

91 197.1 158.8 238.2





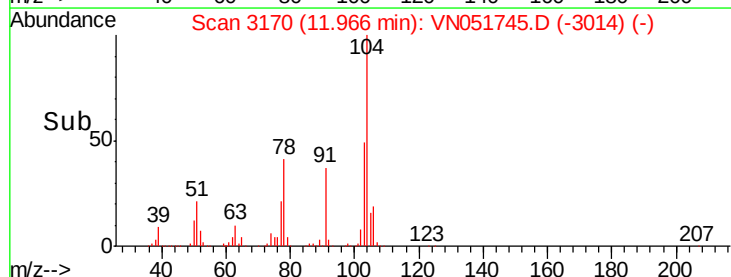
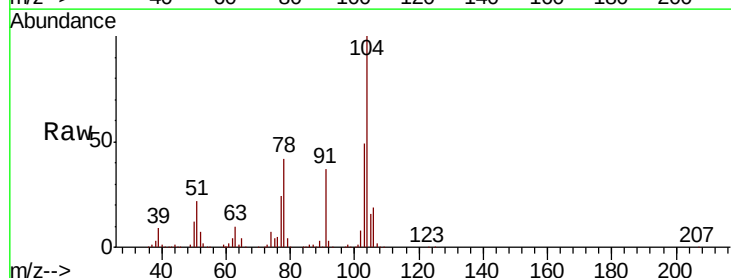
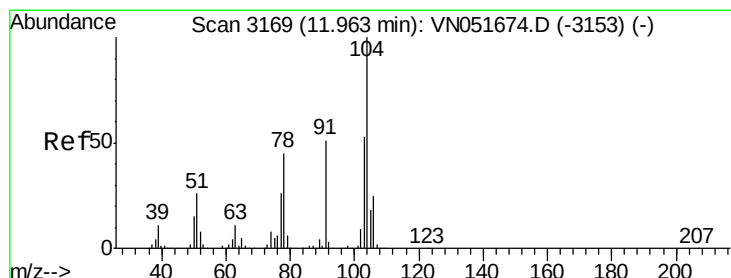
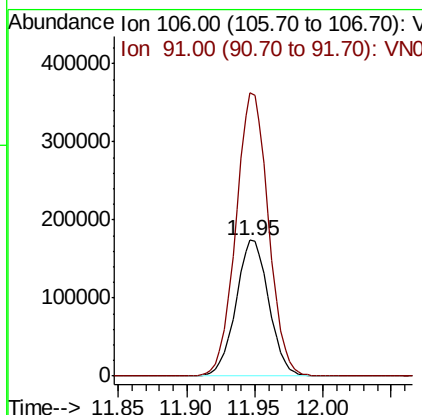
#68
o-Xylene
Concen: 21.682 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.0	111.1	333.3

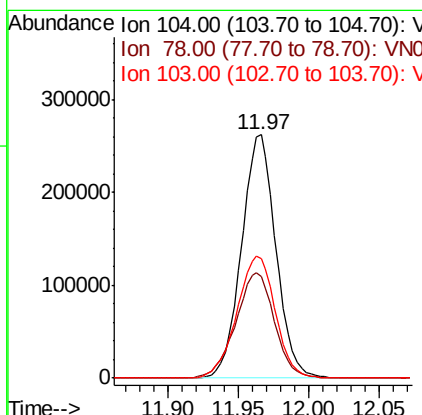
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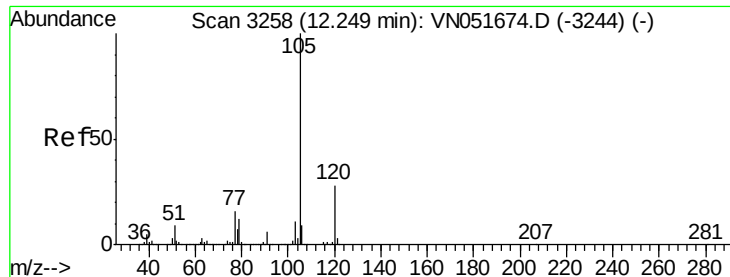
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#69
Styrene
Concen: 20.874 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	40.6	60.8
103	55.9	44.0	66.0





#70

Isopropylbenzene

Concen: 21.736 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 105 Resp: 784211

Ion Ratio Lower Upper

105 100

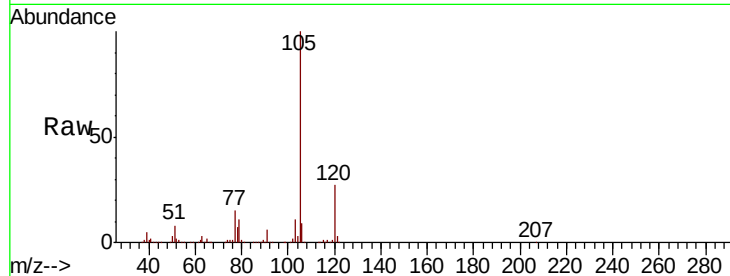
120 27.1 19.0 35.4

Manual Integrations

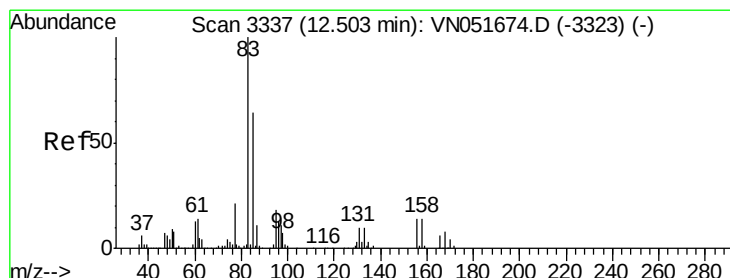
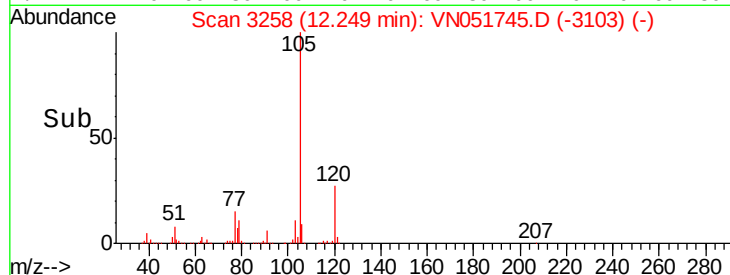
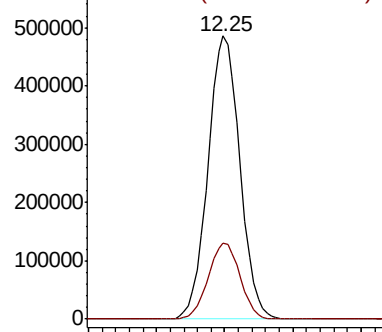
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Abundance Ion 105.00 (104.70 to 105.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 21.633 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

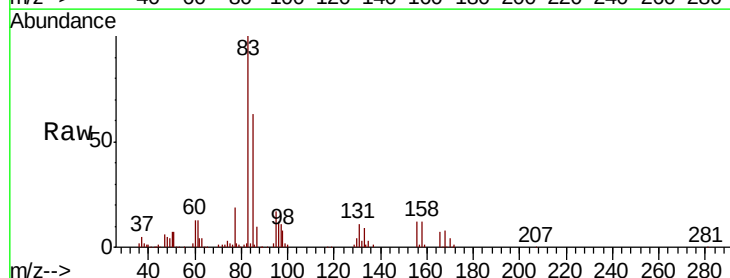
Tgt Ion: 83 Resp: 162998

Ion Ratio Lower Upper

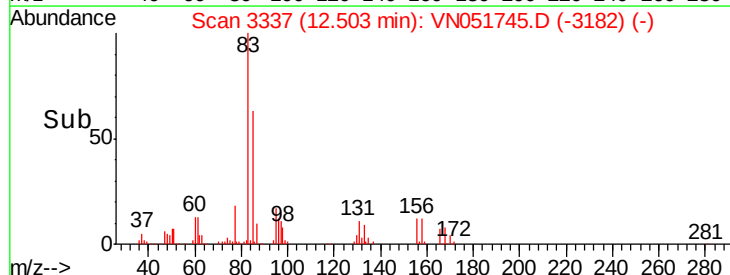
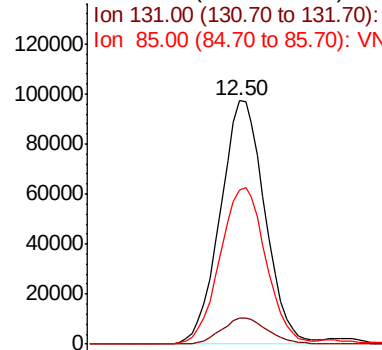
83 100

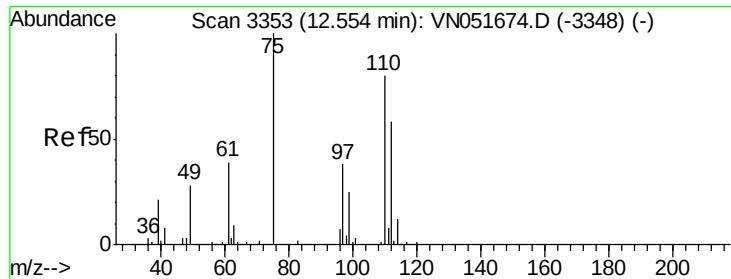
131 11.1 5.5 16.4

85 66.1 30.6 91.8



Abundance Ion 83.00 (82.70 to 83.70): V





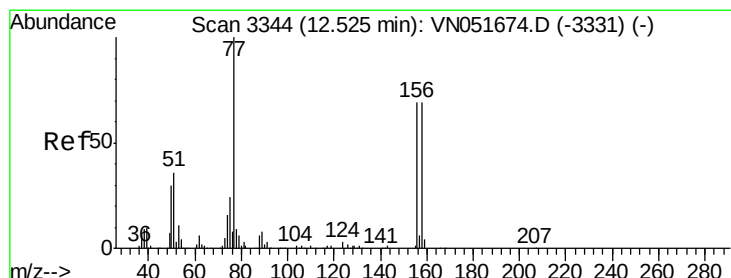
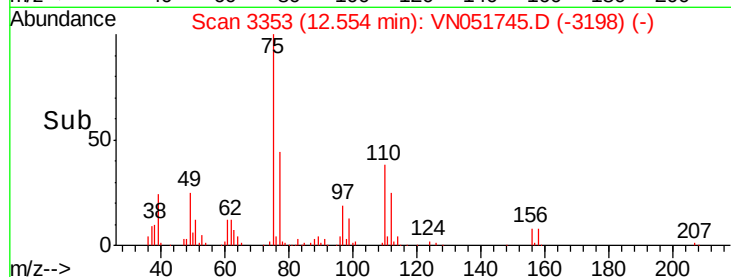
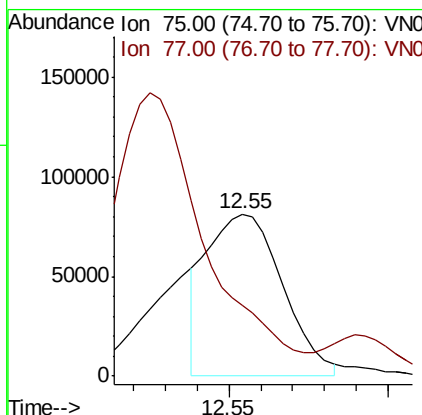
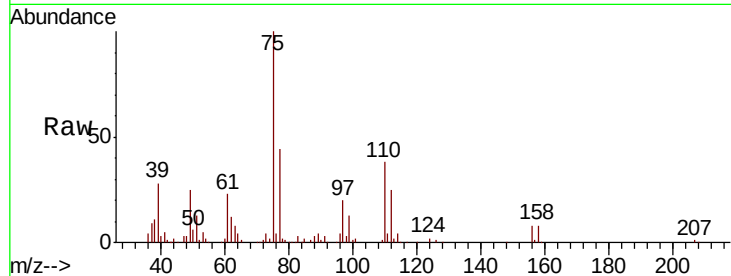
#72
 1,2,3-Trichloropropane
 Concen: 22.296 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	219.0	0.0	400.0

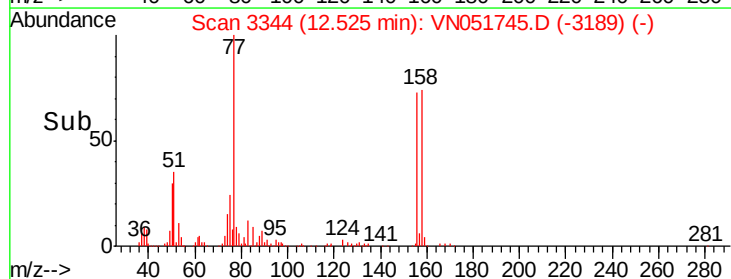
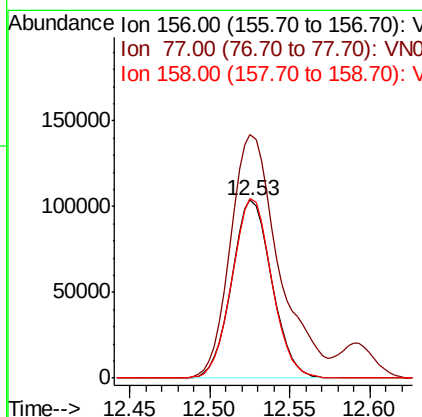
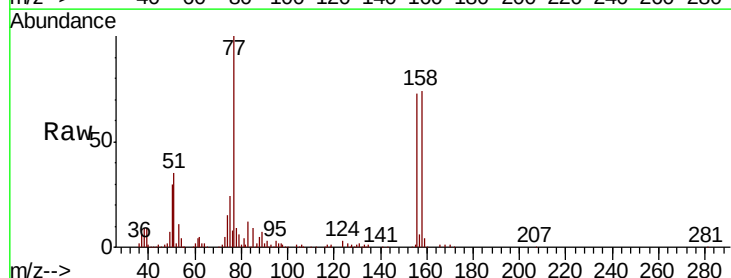
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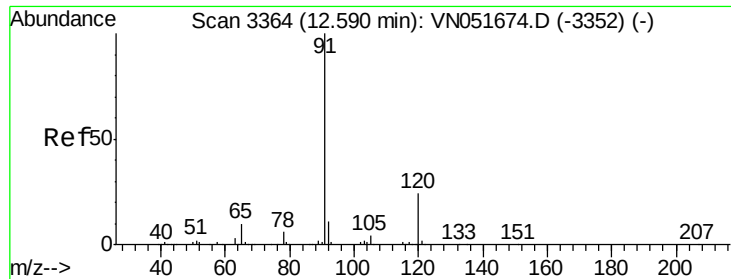
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#73
 Bromobenzene
 Concen: 20.427 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
156	100		
77	165.6	0.0	377.4
158	100.0	0.0	203.0





#74

n-propylbenzene

Concen: 21.067 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 91 Resp: 836727

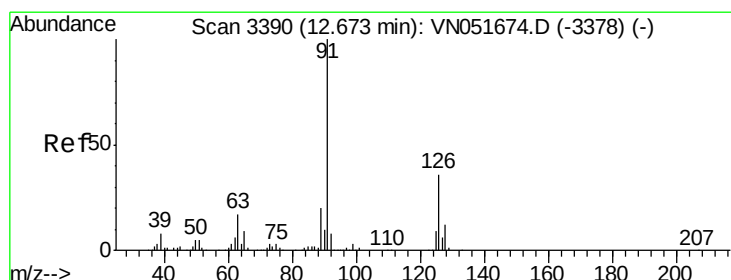
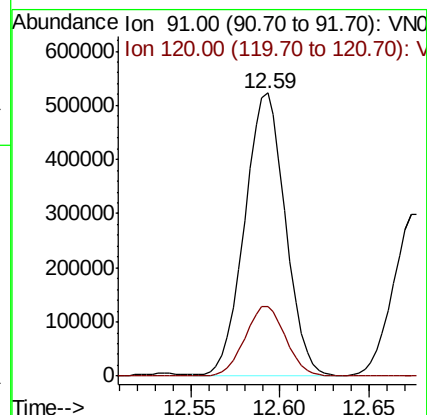
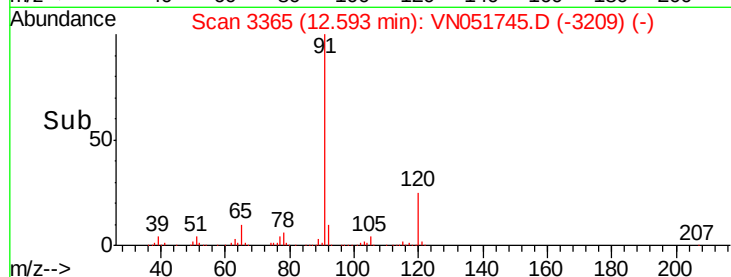
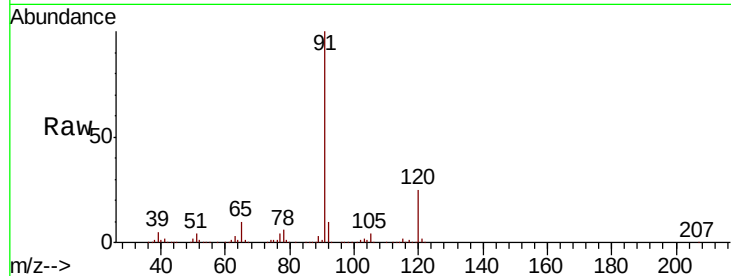
Ion Ratio Lower Upper

91 100

120 24.7 0.0 45.0

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#75

2-Chlorotoluene

Concen: 21.385 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051745.D

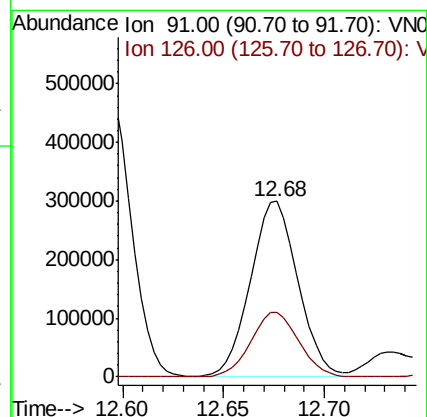
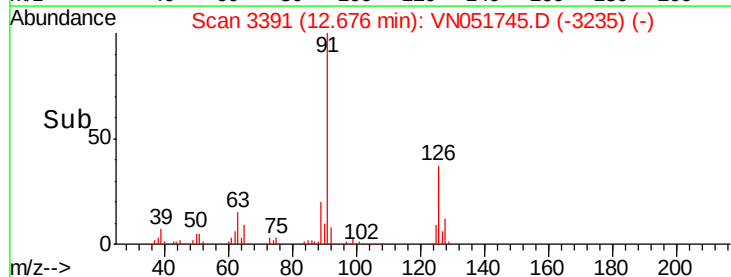
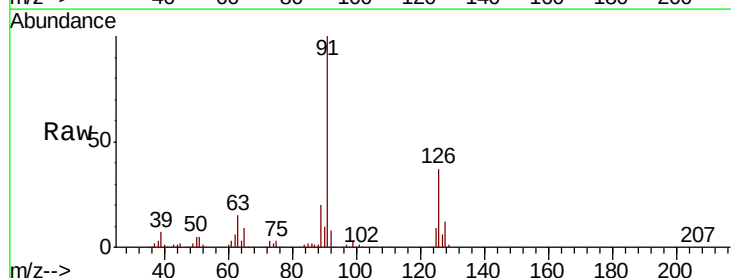
Acq: 9 Oct 2018 12:28

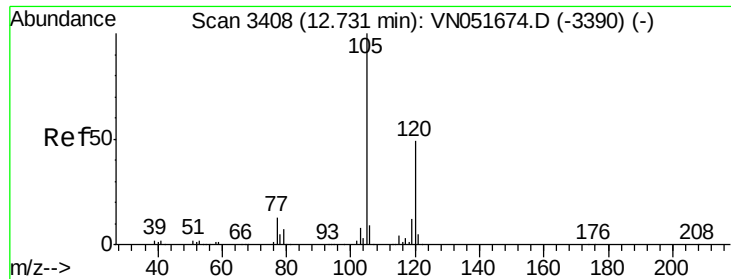
Tgt Ion: 91 Resp: 496280

Ion Ratio Lower Upper

91 100

126 37.0 0.0 67.6





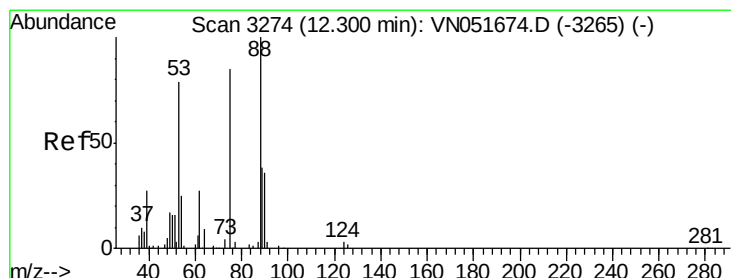
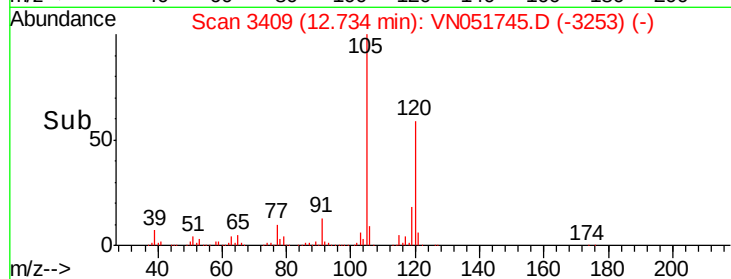
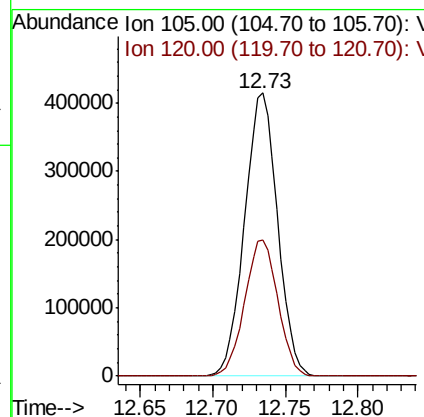
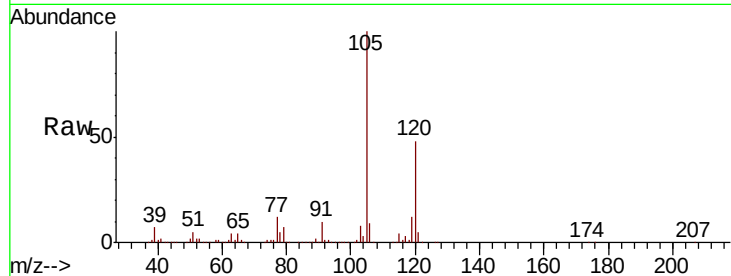
#76
 1,3,5-Trimethylbenzene
 Concen: 21.426 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.5	0.0	98.2

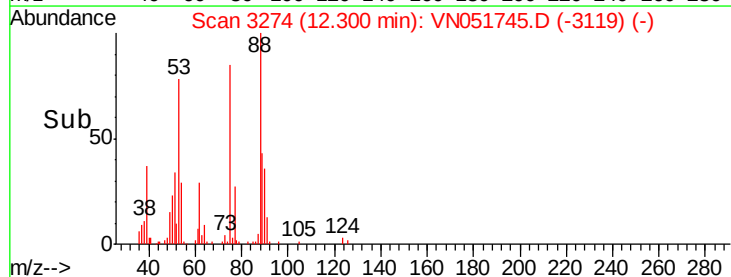
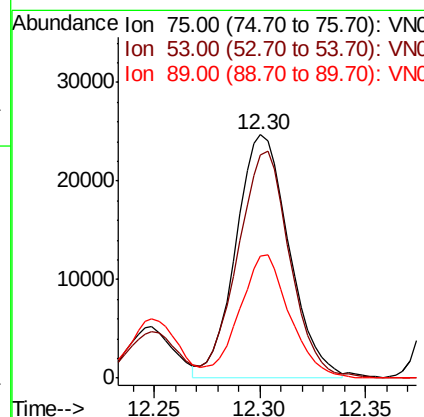
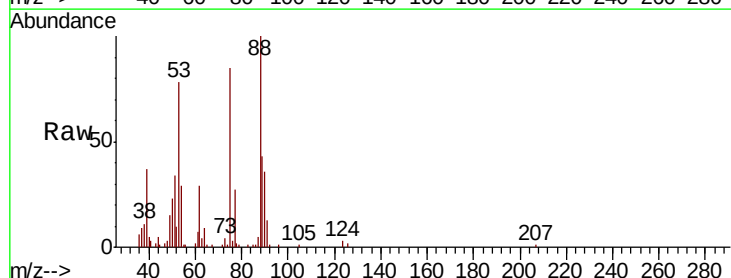
Manual Integrations
 APPROVED

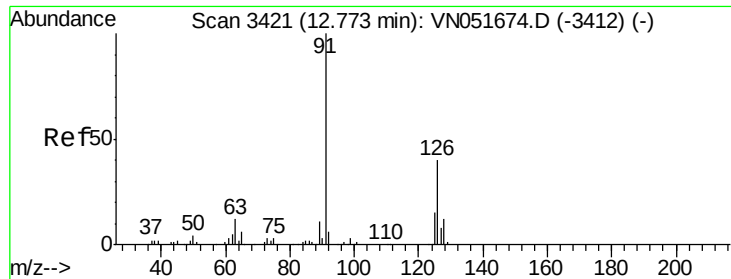
MMDadoda
 10/10/2018 10:09:15 AM



#77
 t-1,4-Dichloro-2-butene
 Concen: 19.323 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.5	46.3	138.9
89	50.1	24.6	73.8





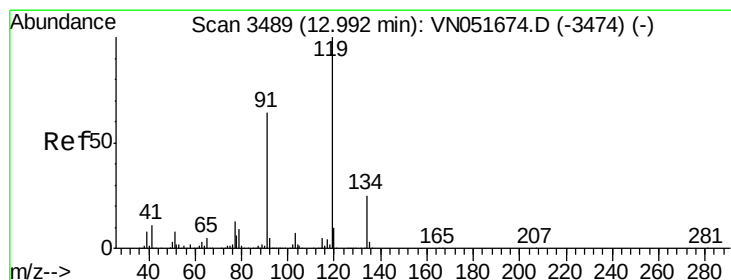
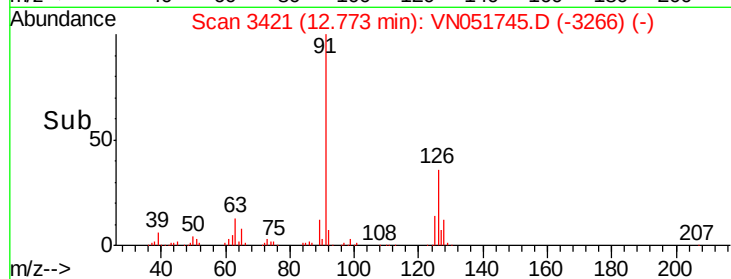
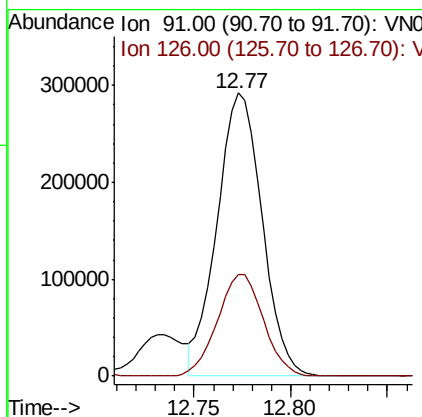
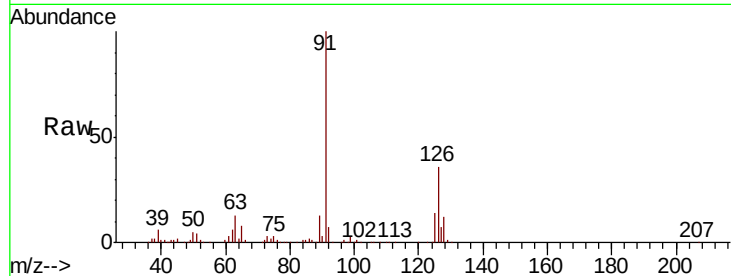
#78
4-Chlorotoluene
Concen: 20.376 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	473896		
126	36.6	0.0	65.2	

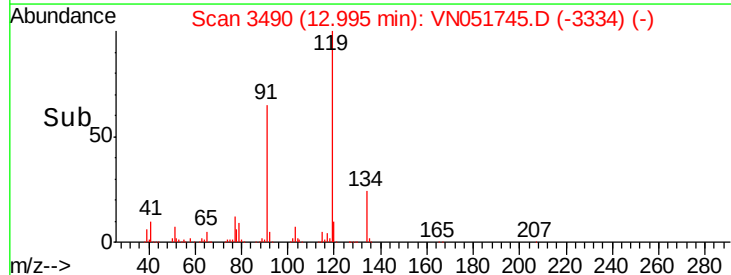
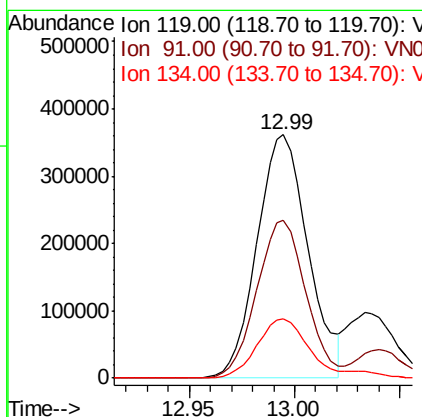
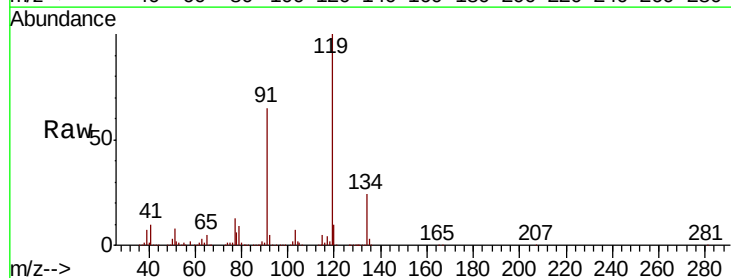
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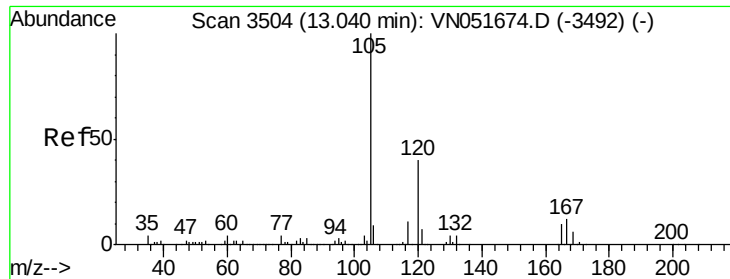
MMDadoda
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#79
tert-butylbenzene
Concen: 22.130 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051745.D
Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	609362		
91	62.8	0.0	131.6	
134	24.3	0.0	46.2	





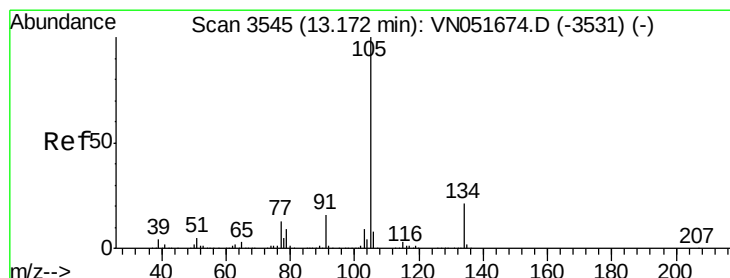
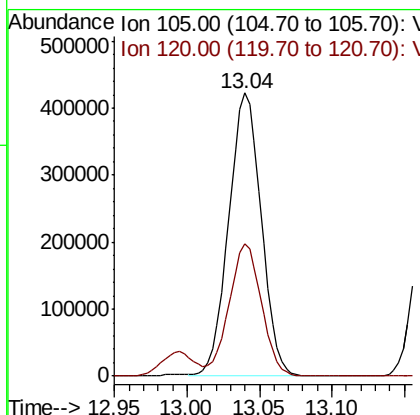
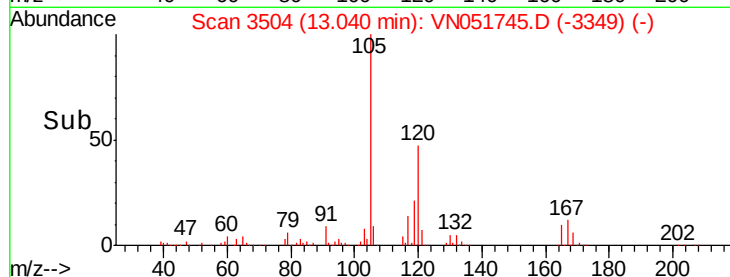
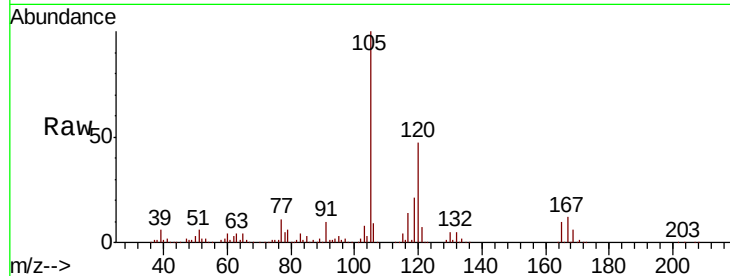
#80
 1,2,4-Trimethylbenzene
 Concen: 21.648 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	89.6

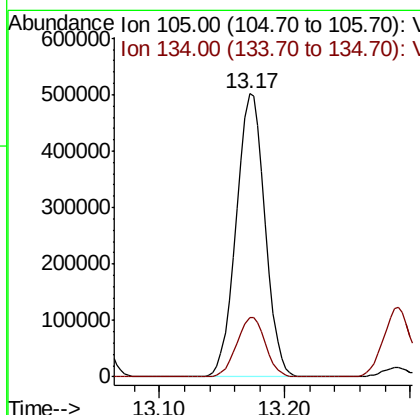
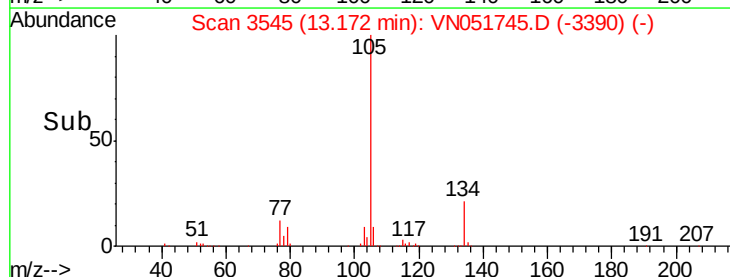
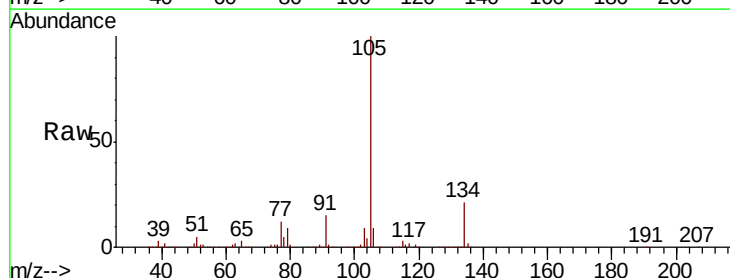
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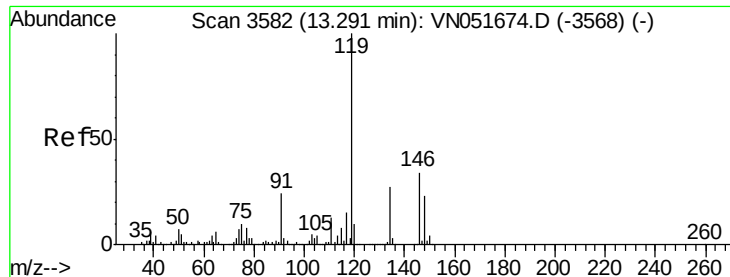
MMDadoda
 10/10/2018 10:09:15 AM



#81
 sec-Butylbenzene
 Concen: 21.662 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	39.4





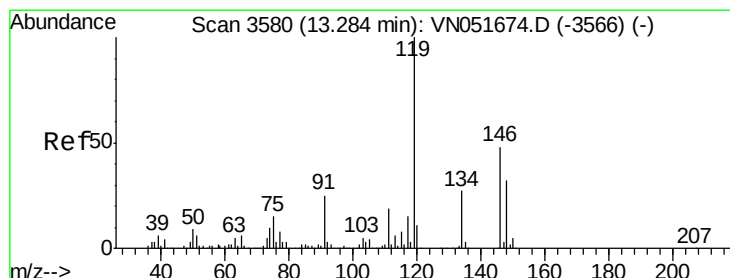
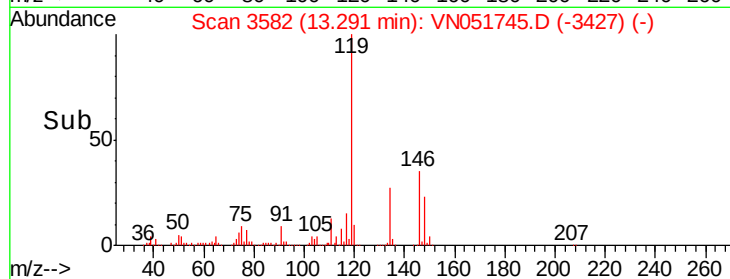
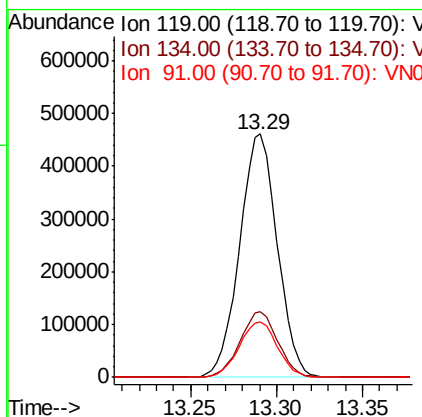
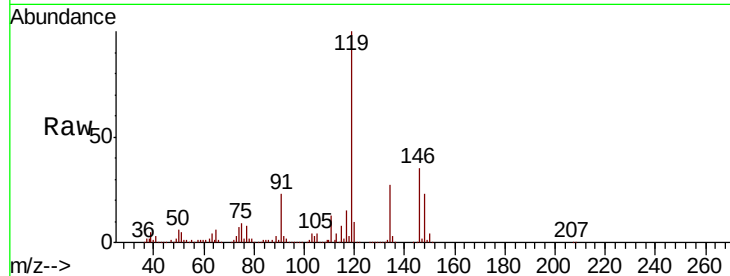
#82
 p-Isopropyltoluene
 Concen: 21.550 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	699332		
134	27.0	0.0	53.6	
91	23.3	0.0	52.0	

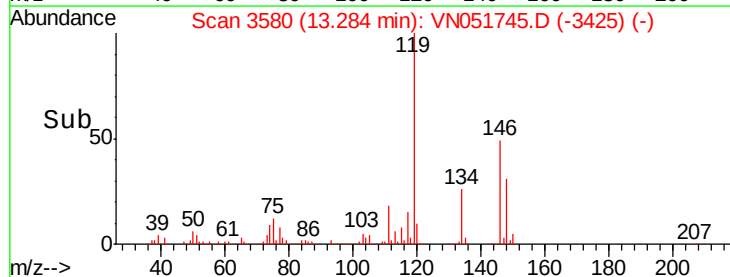
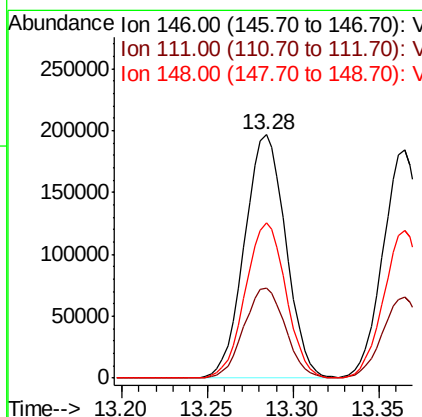
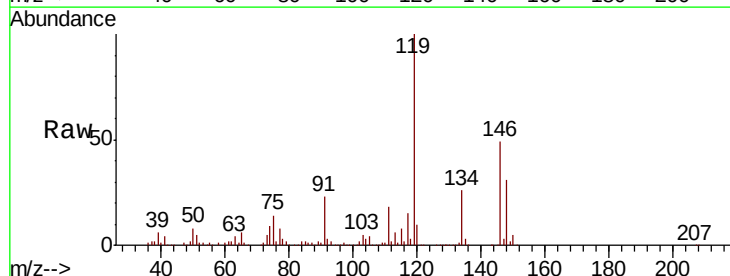
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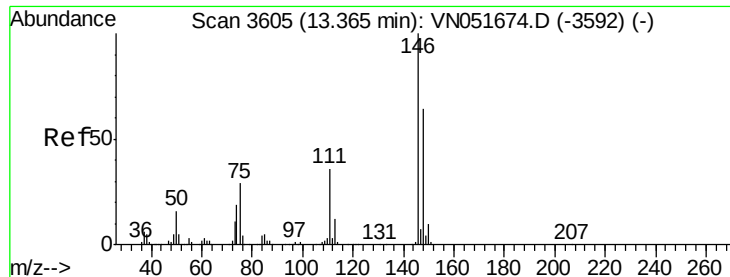
MMDadoda
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#83
 1,3-Dichlorobenzene
 Concen: 21.175 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	328597		
111	37.0	18.1	54.3	
148	62.6	31.3	93.8	





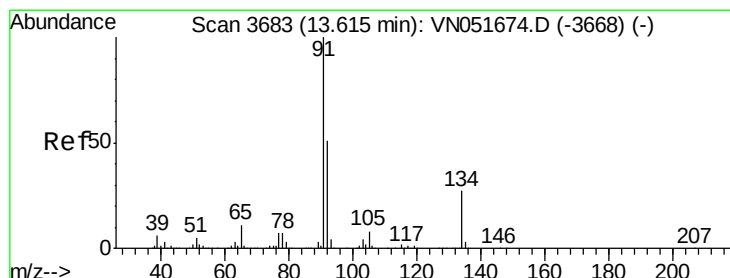
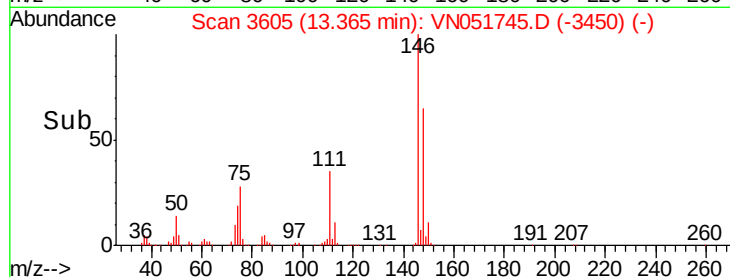
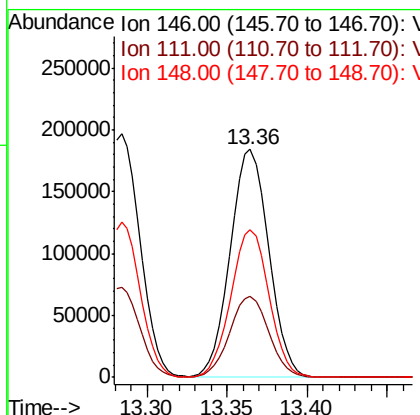
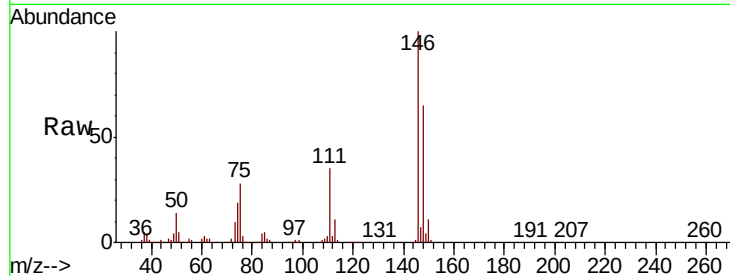
#84
 1,4-Dichlorobenzene
 Concen: 20.462 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.4	52.2
148	63.7	32.8	98.3

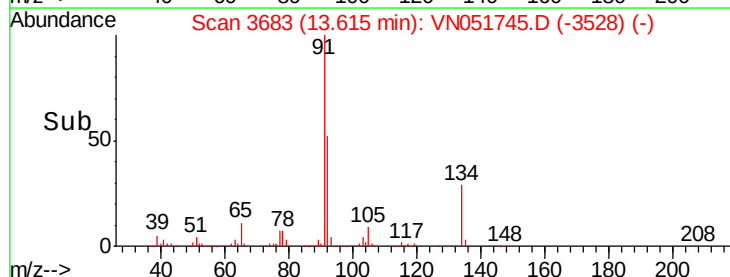
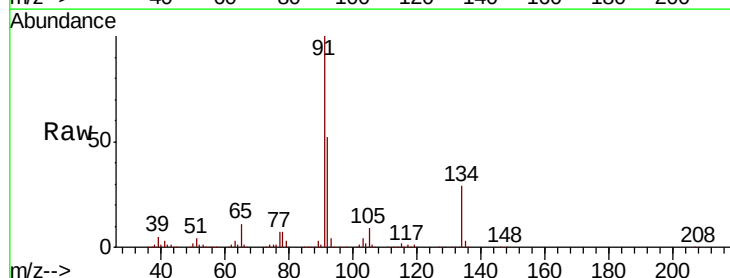
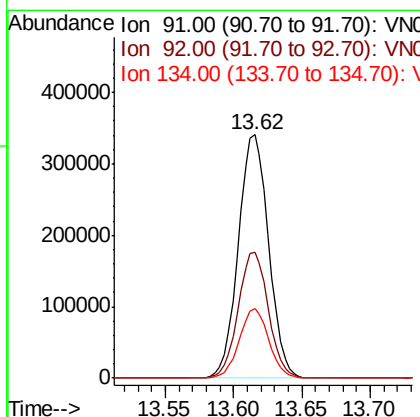
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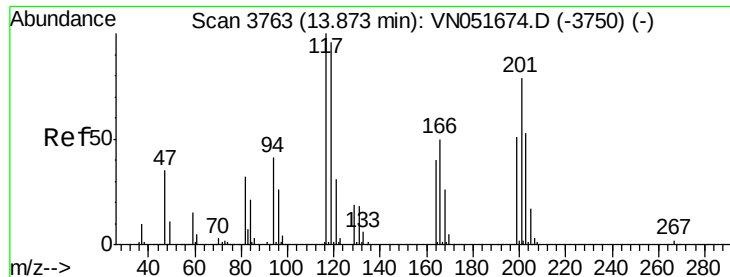
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#85
 n-Butylbenzene
 Concen: 20.453 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	97.4
134	27.7	0.0	49.6





#86

Hexachloroethane

Concen: 20.207 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion:117 Resp: 129739

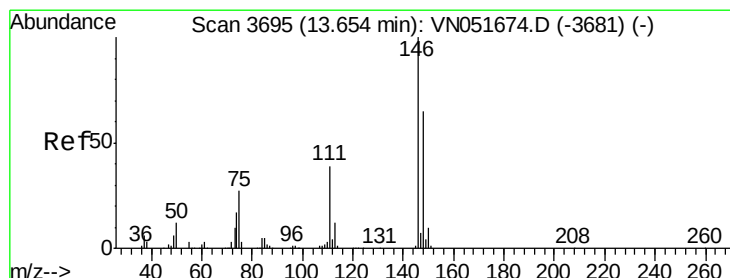
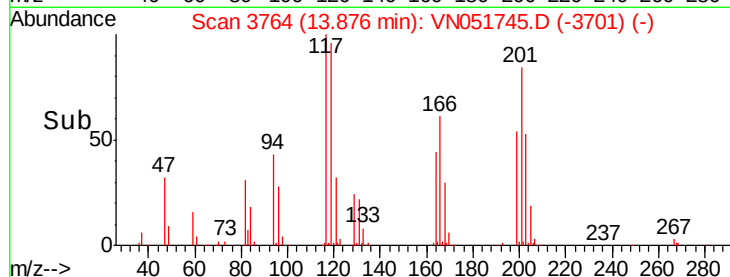
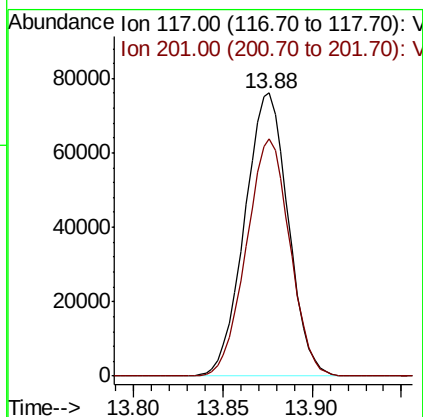
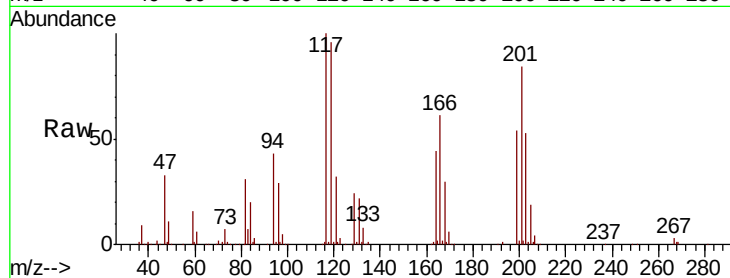
Ion Ratio Lower Upper

117 100

201 83.7 47.8 143.3

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#87

1,2-Dichlorobenzene

Concen: 21.244 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

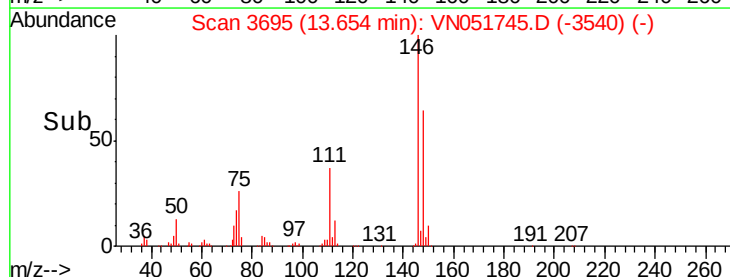
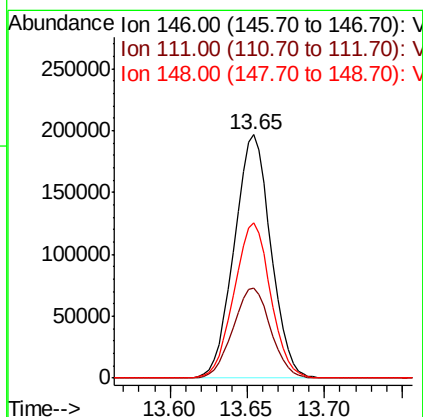
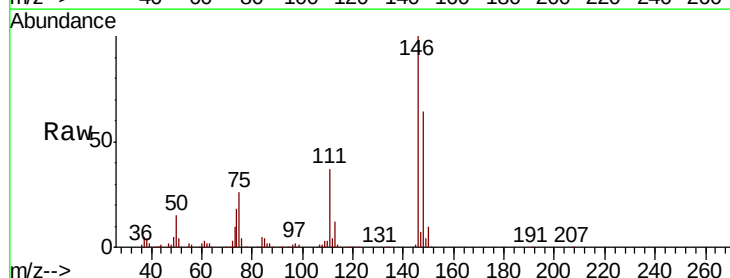
Tgt Ion:146 Resp: 323056

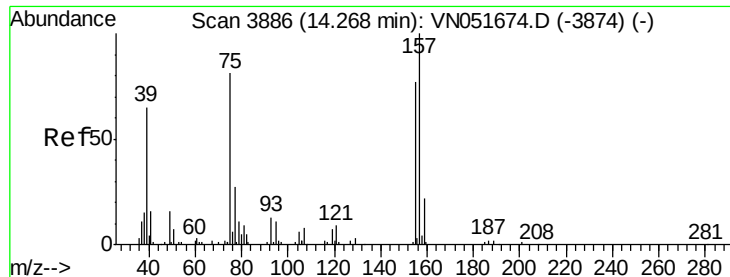
Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

148 63.8 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 20.527 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBS01

Tot Ion: 75 Resp: 25467
Ion Ratio Lower Upper

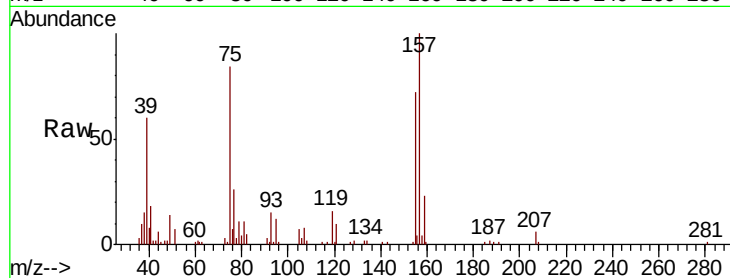
75 100

155 91.1 57.0 85.6#

157 125.9 87.4 131.0

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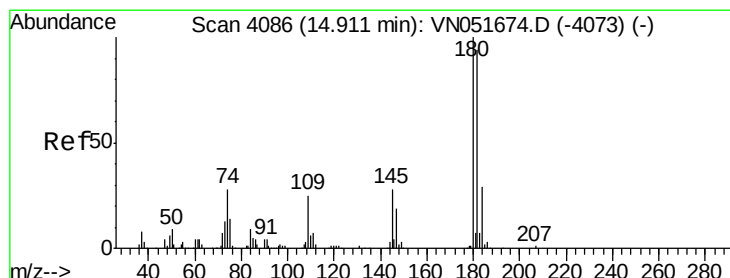
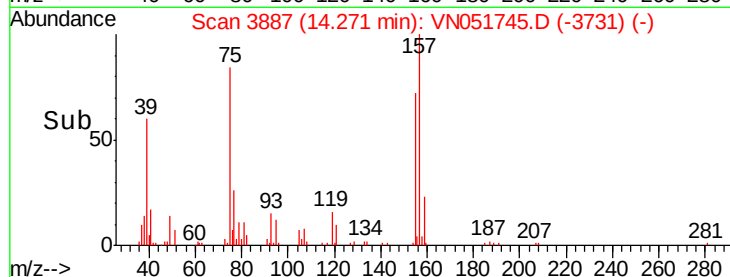
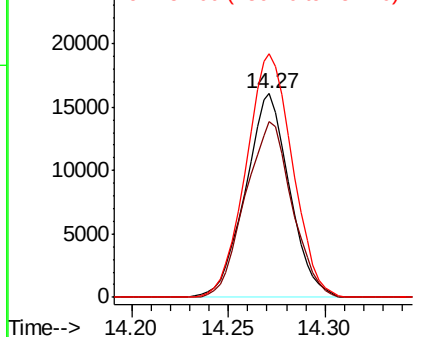


Abundance

Ion 75.00 (74.70 to 75.70): VN051674.D (-3874) (-)

Ion 155.00 (154.70 to 155.70): VN051674.D (-3874) (-)

Ion 157.00 (156.70 to 157.70): VN051674.D (-3874) (-)



#89

1,2,4-Trichlorobenzene

Concen: 20.102 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051745.D

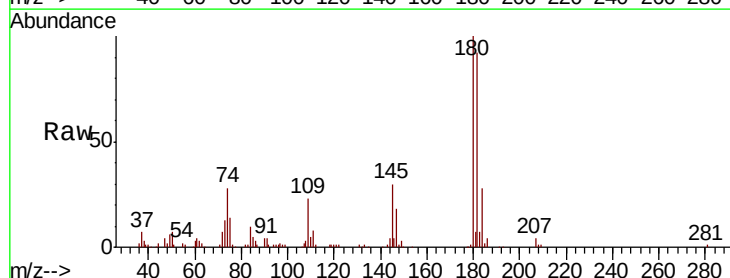
Acq: 9 Oct 2018 12:28

Tgt Ion: 180 Resp: 122802
Ion Ratio Lower Upper

180 100

182 94.1 77.7 116.5

145 28.9 23.4 35.2

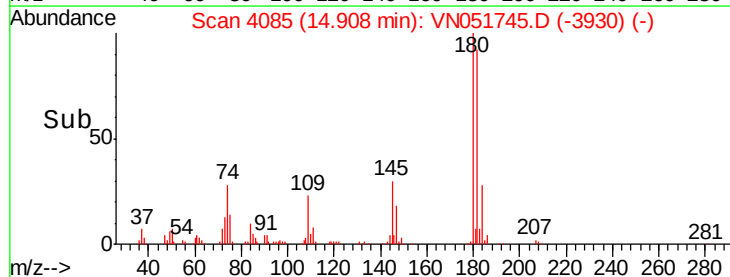
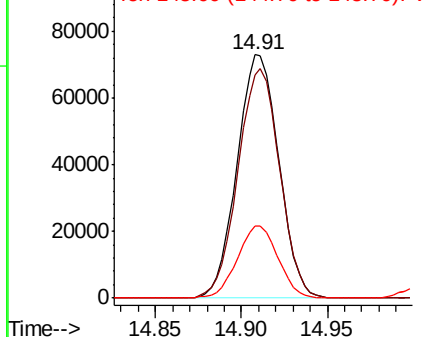


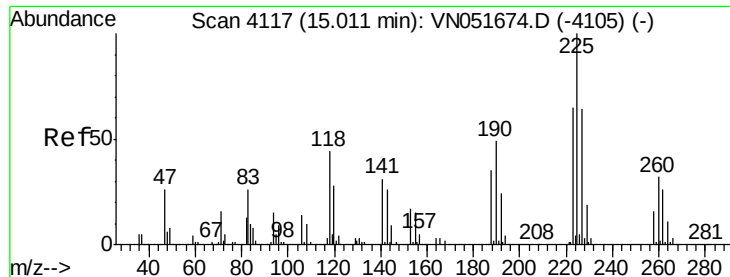
Abundance

Ion 180.00 (179.70 to 180.70): VN051674.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051674.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051674.D (-4073) (-)





#90

Hexachlorobutadiene

Concen: 21.699 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Instrument :

MSVOA_N

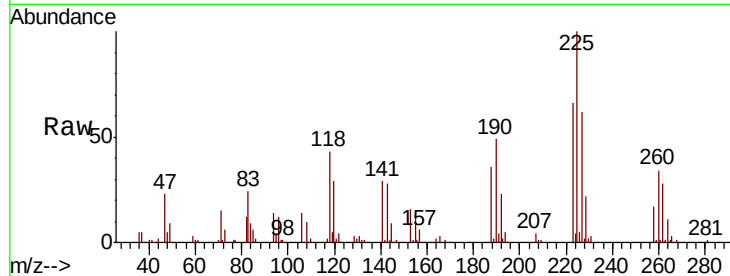
ClientSampleId :

VN1009WBS01

Tot Ion	Ratio	Resp	Lower	Upper
225	100	100408		
223	63.2	0.0	117.0	
227	62.8	0.0	127.0	

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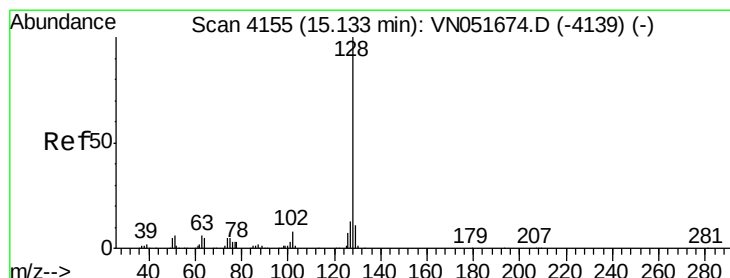
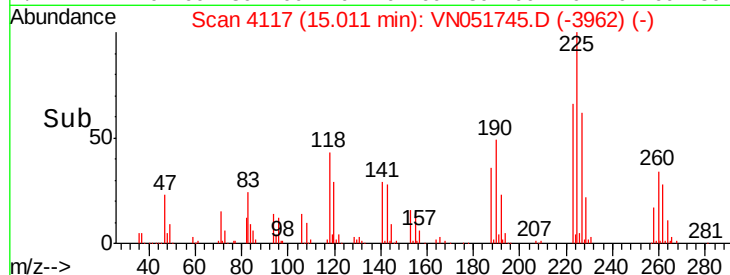
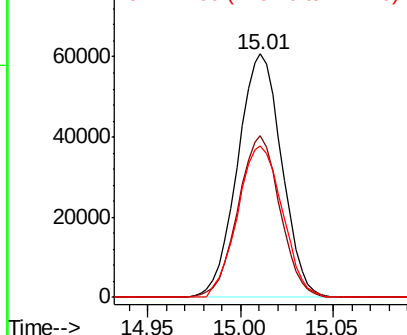


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 17.081 ug/l

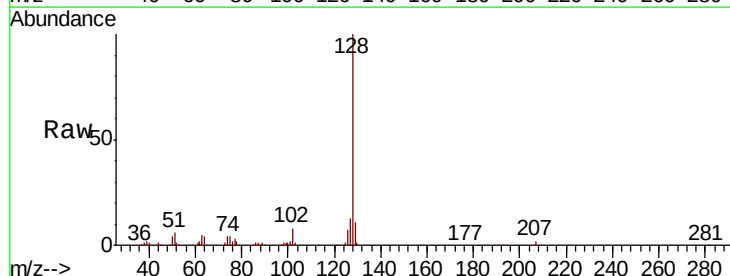
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051745.D

Acq: 9 Oct 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	245267		
127	13.0	10.1	15.1	
129	10.7	8.4	12.6	

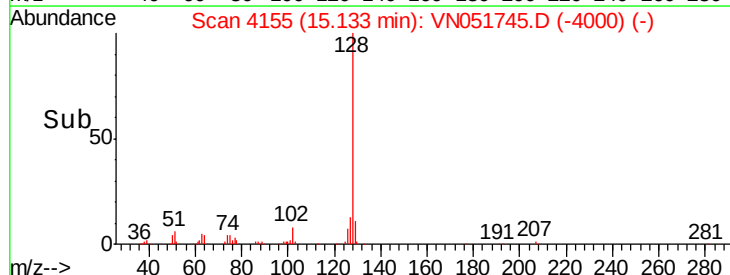
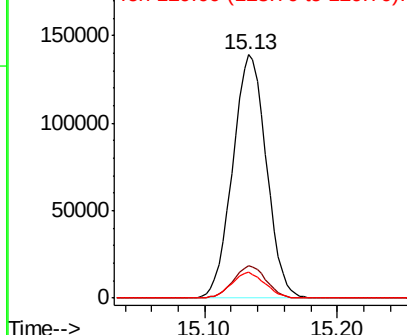


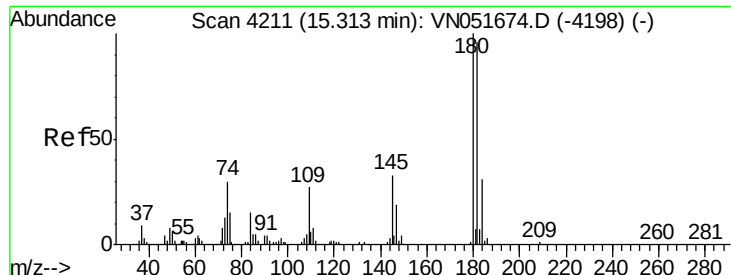
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





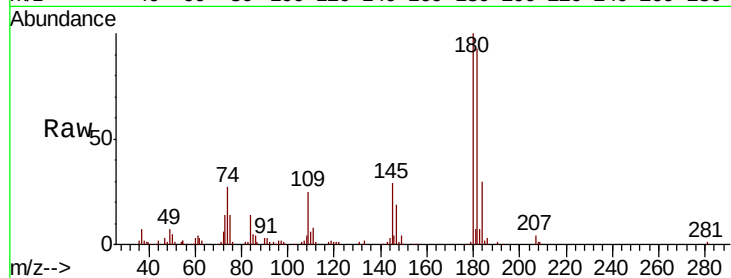
#92
 1,2,3-Trichlorobenzene
 Concen: 19.794 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051745.D
 Acq: 9 Oct 2018 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Tot Ion:	180	Resp:	129852
Ion Ratio	Lower	Upper	
180	100		
182	94.8	0.0	198.0
145	30.2	0.0	36.8

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

