

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
 Data File : VN051909.D
 Acq On : 18 Oct 2018 11:53
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:37:53 PM

Quant Time: Oct 19 06:54:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1169626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1700968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1565654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	794954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	525687	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.59	113	540850	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.09	98	1954460	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	679808	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	324314	45.83	ug/l	99
3) Chloromethane	2.06	50	318949	46.13	ug/l	99
4) Vinyl Chloride	2.18	62	480284	45.99	ug/l	99
5) Bromomethane	2.56	94	447612	52.08	ug/l	98
6) Chloroethane	2.70	64	368712	48.65	ug/l	100
7) Trichlorofluoromethane	3.01	101	813945	50.57	ug/l	97
8) Diethyl Ether	3.41	74	232359	49.28	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	476408	51.59	ug/l	100
10) Methyl Iodide	3.95	142	594127	48.94	ug/l	100
11) Tert butyl alcohol	4.79	59	148430	234.27	ug/l	100
12) 1,1-Dichloroethene	3.74	96	416561	49.49	ug/l	98
13) Acrolein	3.61	56	85500	187.75	ug/l	100
14) Allyl chloride	4.32	41	473666	51.96	ug/l	99
15) Acrylonitrile	4.99	53	575860	248.92	ug/l	98
16) Acetone	3.82	43	481946	251.01	ug/l	100
17) Carbon Disulfide	4.05	76	1000361	47.67	ug/l	99
18) Methyl Acetate	4.33	43	285231	49.99	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1207771	49.79	ug/l	100
20) Methylene Chloride	4.55	84	469875	48.14	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	476212	49.23	ug/l	99
22) Diisopropyl ether	5.95	45	1074221	50.56	ug/l	98
23) Vinyl Acetate	5.90	43	3724596	254.62	ug/l	99
24) 1,1-Dichloroethane	5.85	63	760916	49.45	ug/l	99
25) 2-Butanone	6.84	43	691517	252.01	ug/l	99
26) 2,2-Dichloropropane	6.82	77	770488	52.95	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	569580	50.66	ug/l	99
28) Bromochloromethane	7.19	49	300693	48.12	ug/l	100
29) Tetrahydrofuran	7.21	42	408640	243.81	ug/l	98
30) Chloroform	7.37	83	937008	50.90	ug/l	96
31) Cyclohexane	7.65	56	636833	51.32	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	882405	51.39	ug/l	99
36) 1,1-Dichloropropene	7.79	75	662269	50.16	ug/l	99
37) Ethyl Acetate	6.93	43	302697	49.76	ug/l	99
38) Carbon Tetrachloride	7.77	117	804415	51.74	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	846437	51.78	ug/l	99
40) Benzene	8.04	78	1951135	50.59	ug/l	99
41) Methacrylonitrile	7.18	41	143677	47.91	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	626017	50.67	ug/l	100
43) Isopropyl Acetate	8.16	43	591029	49.30	ug/l	98
44) Trichloroethene	8.83	130	628427	51.92	ug/l	100
45) 1,2-Dichloropropane	9.12	63	456379	51.17	ug/l	100
46) Dibromomethane	9.21	93	347540	51.13	ug/l	99
47) Bromodichloromethane	9.40	83	726396	53.32	ug/l	99
48) Methyl methacrylate	9.20	41	273337	51.29	ug/l	99
49) 1,4-Dioxane	9.20	88	97580	963.98	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1574676	256.22	ug/l	99
52) Toluene	10.16	92	1356492	52.58	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	702657	54.42	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	770183	53.50	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	494449	52.30	ug/l	99
56) Ethyl methacrylate	10.43	69	550017	52.04	ug/l	99
57) 1,3-Dichloropropane	10.71	76	748019	51.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1118320	230.09	ug/l	100
59) 2-Hexanone	10.75	43	1073662	260.54	ug/l	99
60) Dibromochloromethane	10.90	129	613571	48.49	ug/l	100
61) 1,2-Dibromoethane	11.00	107	524094	52.86	ug/l	99
64) Tetrachloroethene	10.63	164	629978	50.13	ug/l	99
65) Chlorobenzene	11.43	112	1593907	50.92	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	617115	52.96	ug/l	99
67) Ethyl Benzene	11.51	91	2666128	51.99	ug/l	100
68) m/p-Xylenes	11.62	106	2193651	106.54	ug/l	100
69) o-Xylene	11.95	106	1073320	53.49	ug/l	100
70) Styrene	11.96	104	1686518	54.64	ug/l	100
71) Bromoform	12.13	173	409623	46.94	ug/l #	98
73) Isopropylbenzene	12.25	105	2893814	47.02	ug/l	100
74) N-amyl acetate	12.07	43	504179	47.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	572849	46.06	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	450367m	46.61	ug/l	
77) Bromobenzene	12.53	156	739346	47.21	ug/l	99
78) n-propylbenzene	12.59	91	3152831	49.22	ug/l	100
79) 2-Chlorotoluene	12.67	91	1833998	54.44	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2433335	48.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	144007	49.10	ug/l	98
82) 4-Chlorotoluene	12.77	91	1853527	49.51	ug/l	99
83) tert-Butylbenzene	12.99	119	2219384	47.48	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2461222	50.32	ug/l	100
85) sec-Butylbenzene	13.17	105	2992101	50.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	2713425	52.68	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1361195	51.57	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1327503	51.18	ug/l	98
89) n-Butylbenzene	13.62	91	2081776	55.72	ug/l	100
90) Hexachloroethane	13.87	117	447495	51.95	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1318662	51.59	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85151	51.11	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	607279	47.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	416663	51.48	ug/l	99
95) Naphthalene	15.13	128	1160561	45.03	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	589615	47.72	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

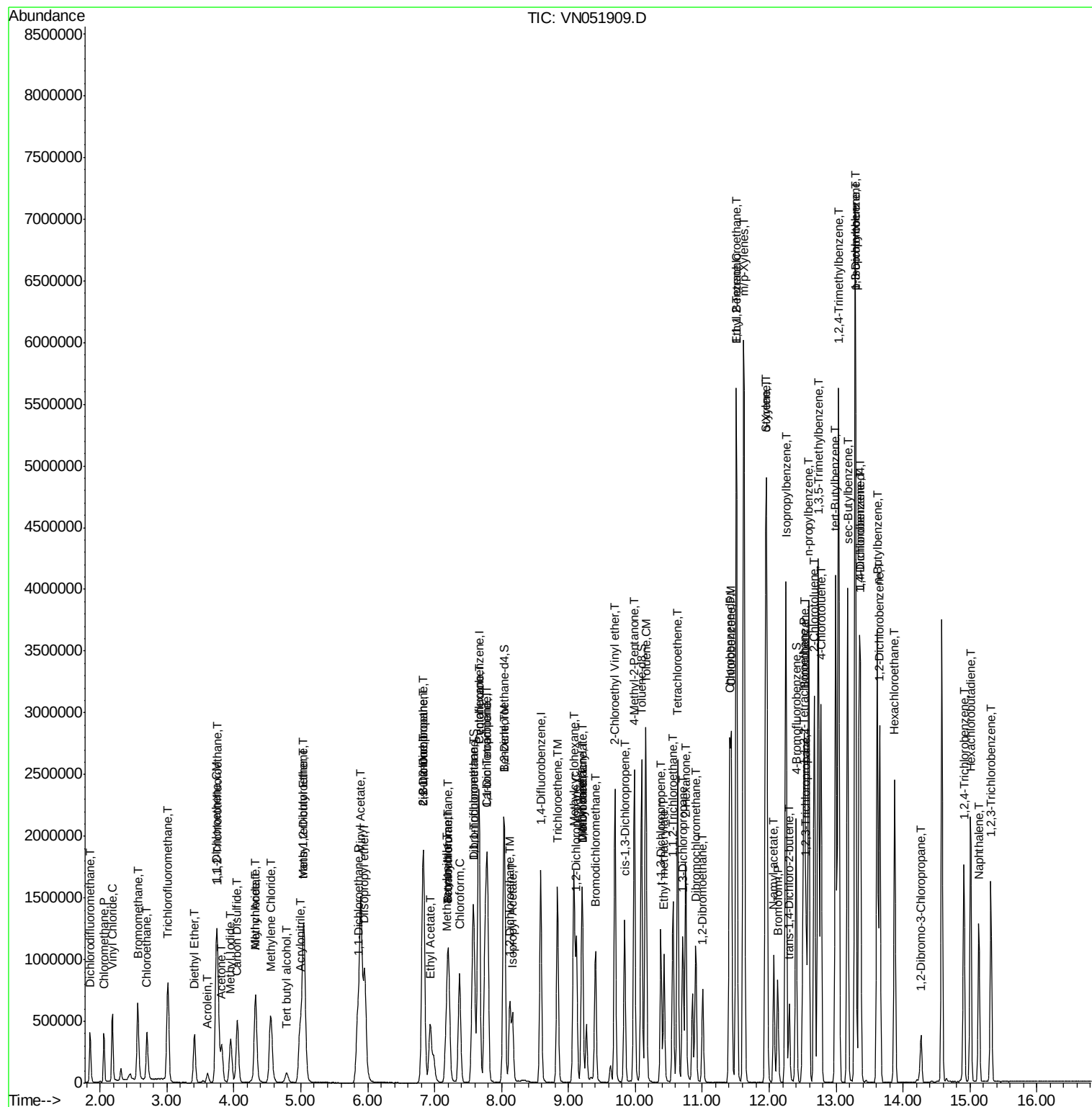
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
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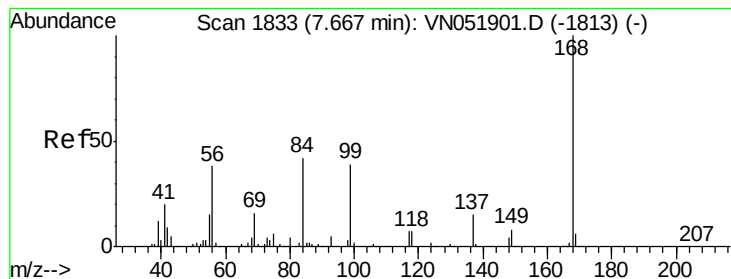
Instrument :
 MSVOA_N
 Client Sample Id :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1169626

Ion Ratio Lower Upper

168 100

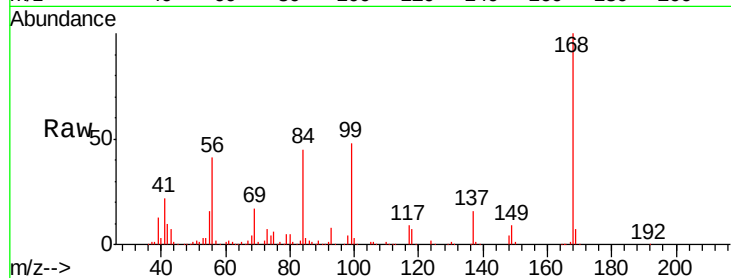
99 48.2 39.2 58.8

Manual Integrations

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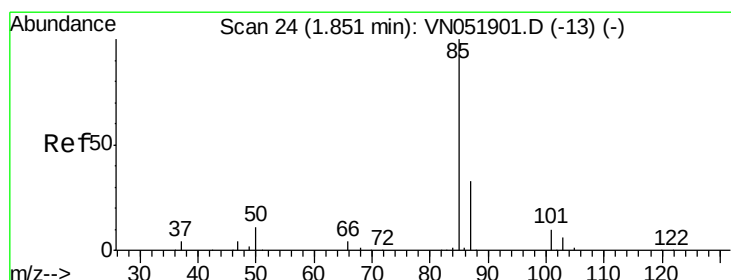
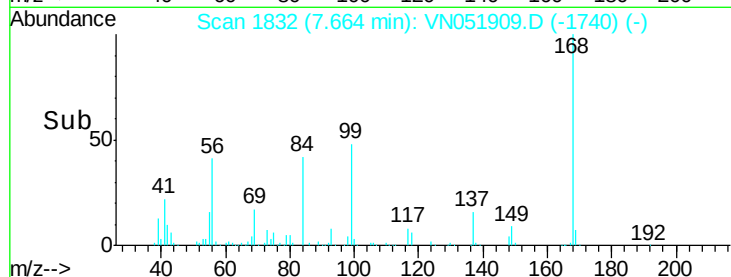
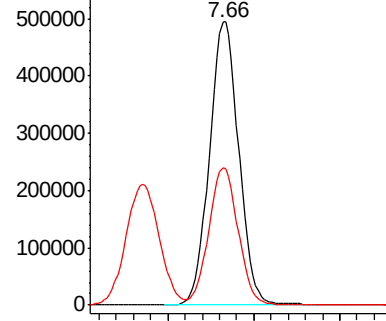
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.83 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051909.D

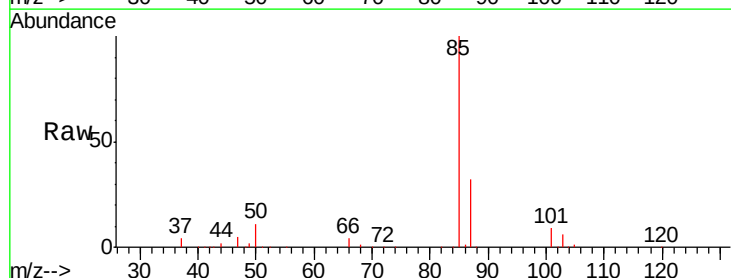
Acq: 18 Oct 2018 11:53

Tgt Ion: 85 Resp: 324314

Ion Ratio Lower Upper

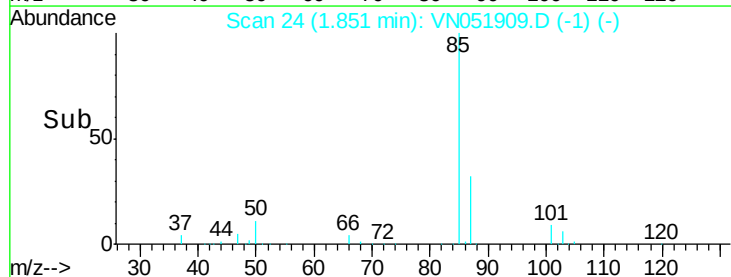
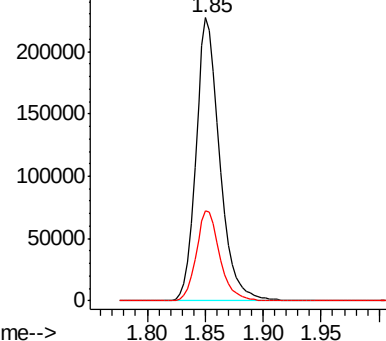
85 100

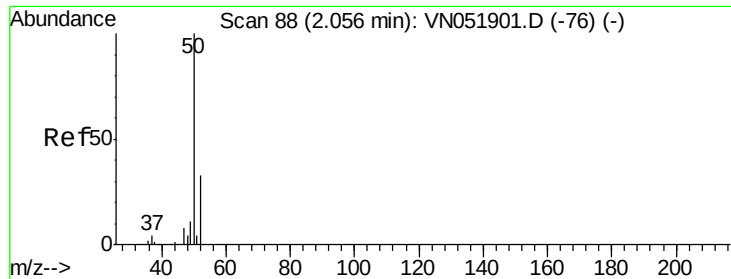
87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 46.13 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 318949

Ion Ratio Lower Upper

50 100

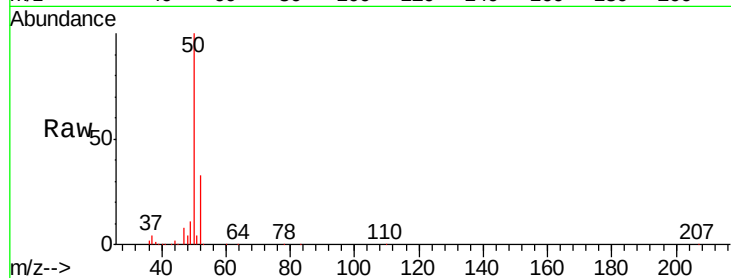
52 33.4 26.3 39.5

Manual Integrations

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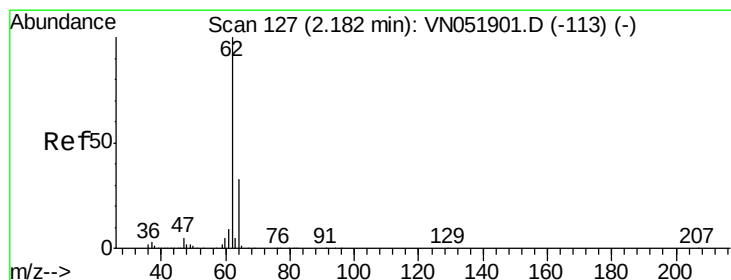
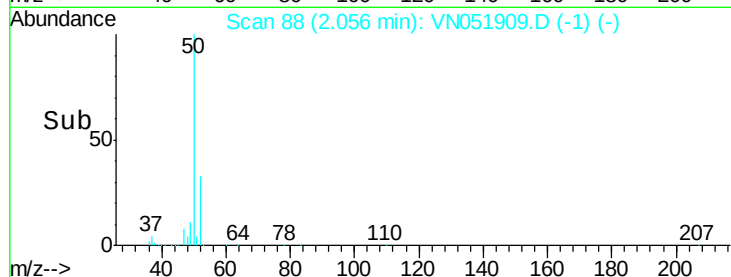
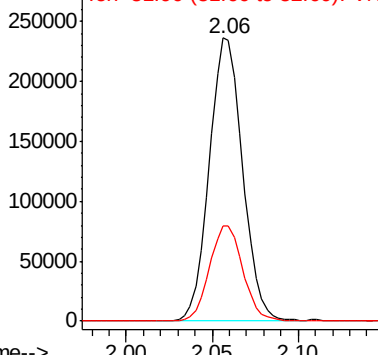
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 45.99 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051909.D

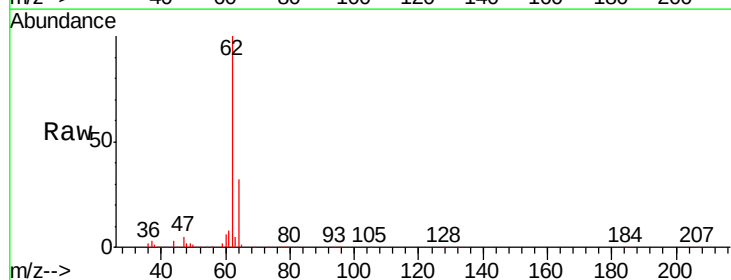
Acq: 18 Oct 2018 11:53

Tgt Ion: 62 Resp: 480284

Ion Ratio Lower Upper

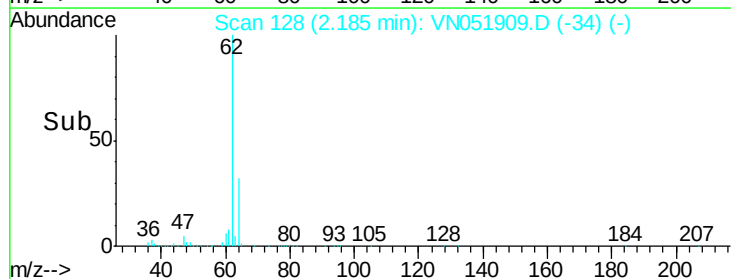
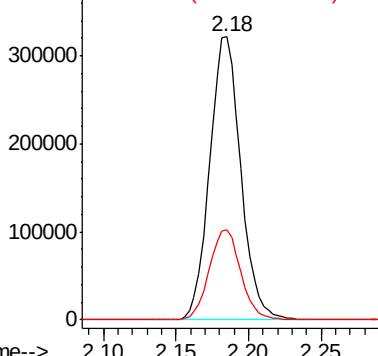
62 100

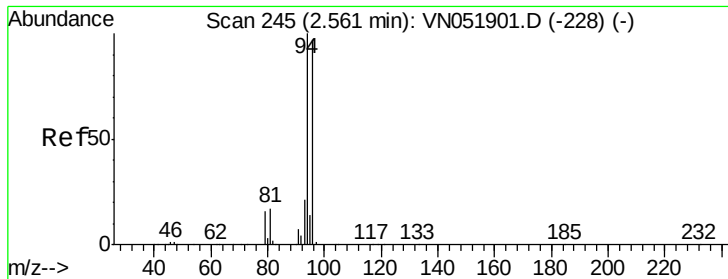
64 31.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 52.08 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

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Tgt Ion: 94 Resp: 447612

Ion Ratio Lower Upper

94 100

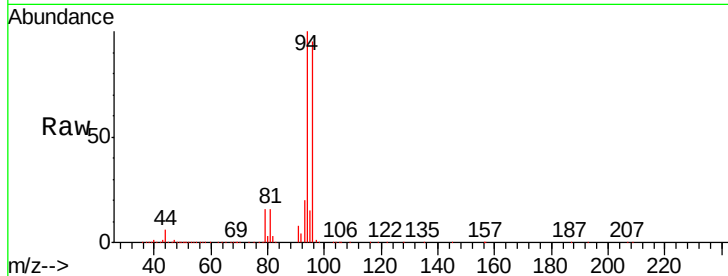
96 94.9 77.5 116.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250000

200000

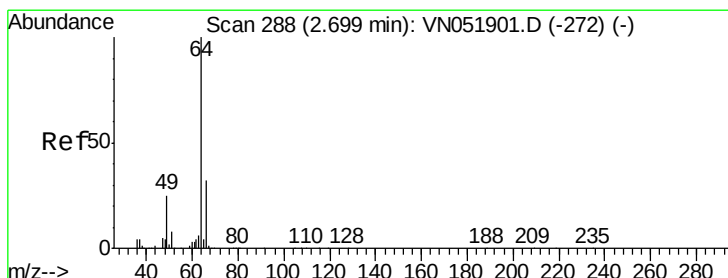
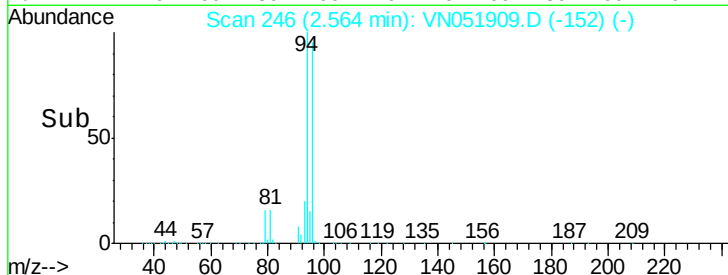
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 48.65 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051909.D

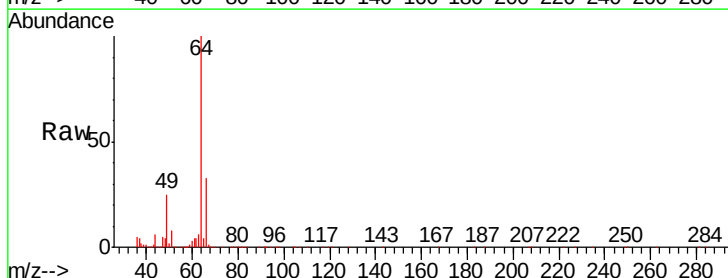
Acq: 18 Oct 2018 11:53

Tgt Ion: 64 Resp: 368712

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

200000

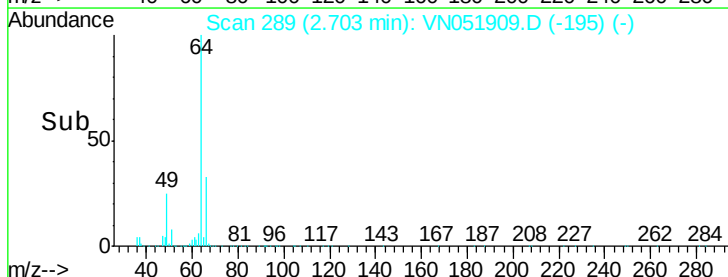
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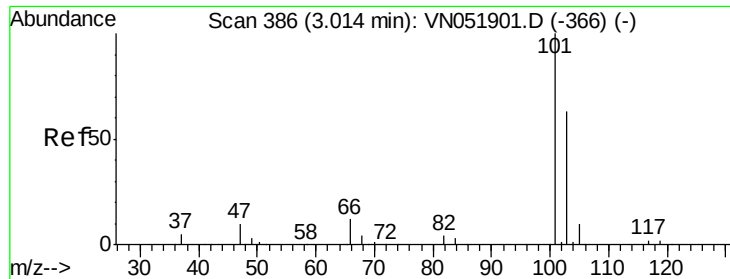
100000

50000

0

Time--> 2.60 2.70 2.80





#7

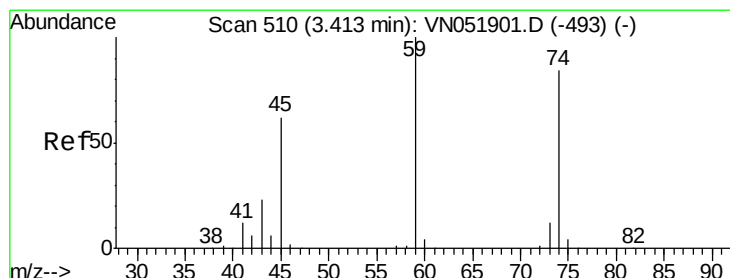
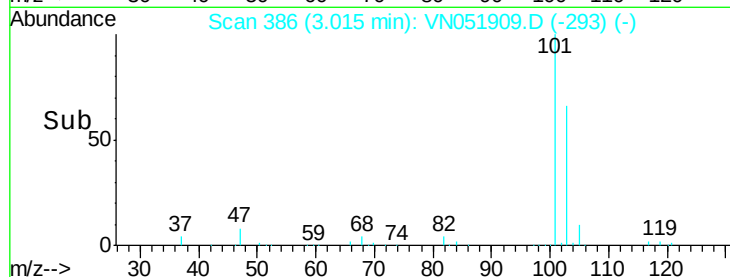
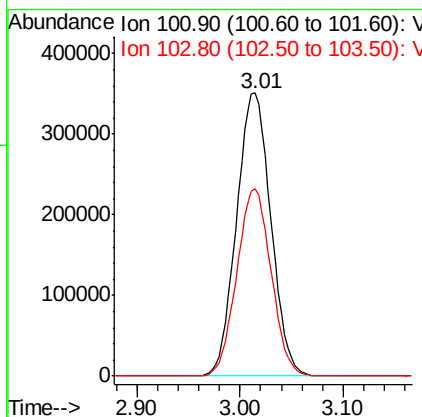
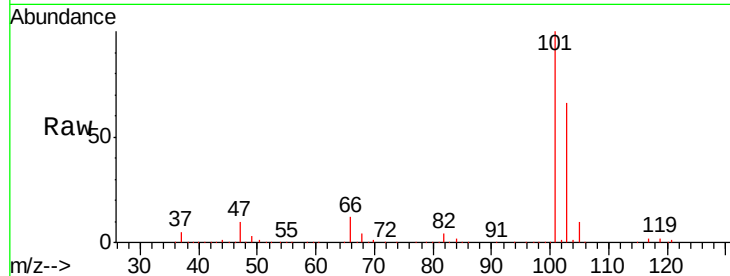
Trichlorofluoromethane
Concen: 50.57 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.8	76.2

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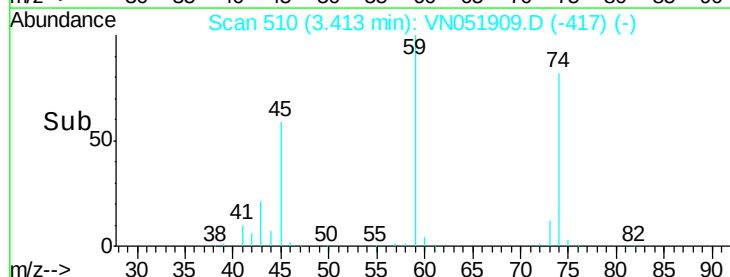
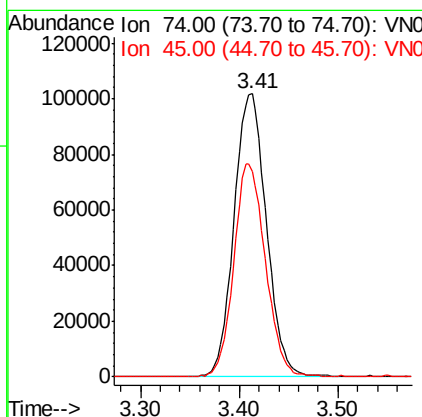
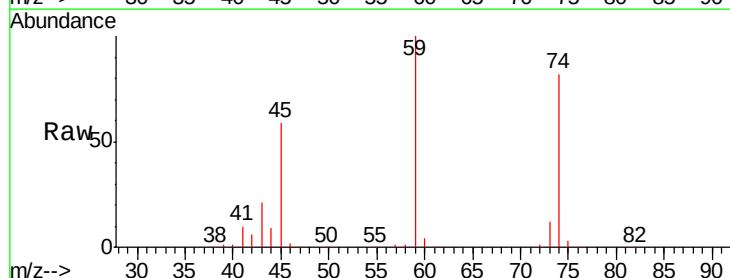
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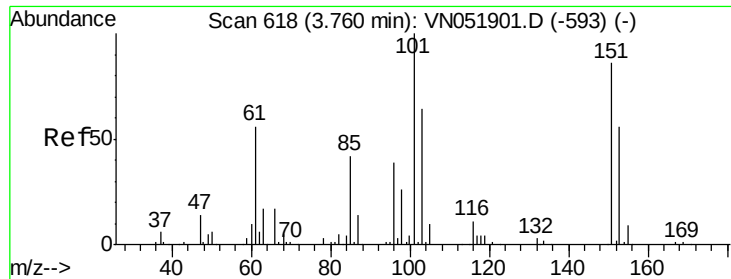


#8

Diethyl Ether
Concen: 49.28 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.5	36.8	110.3





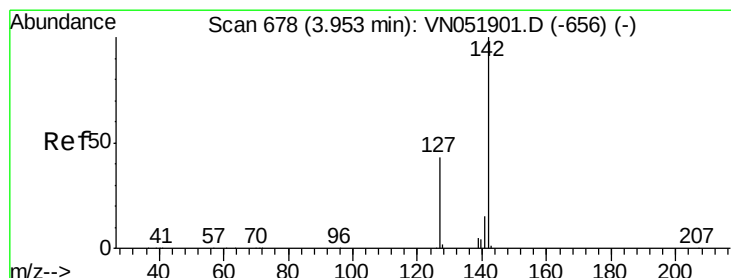
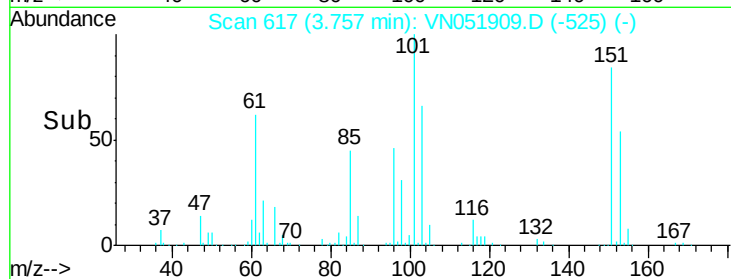
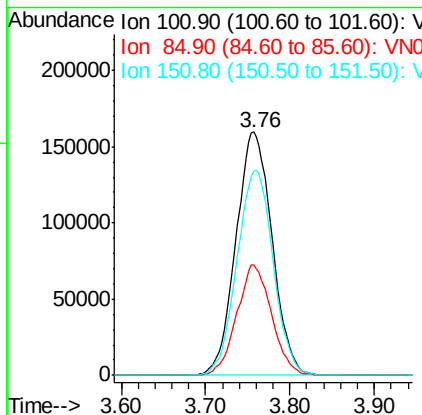
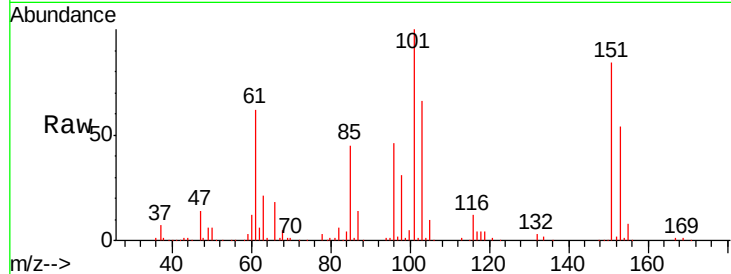
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.59 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	476408		
85	43.8	34.8	52.2	
151	84.5	68.0	102.0	

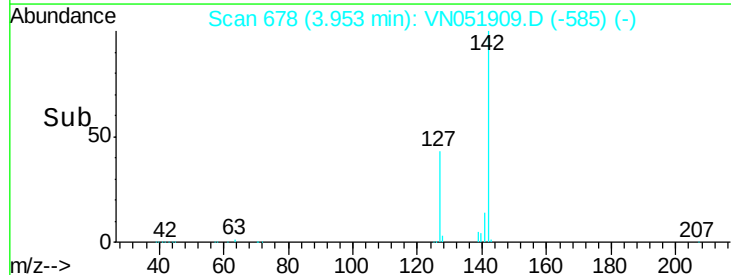
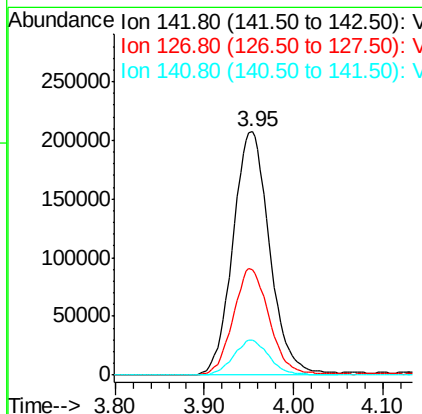
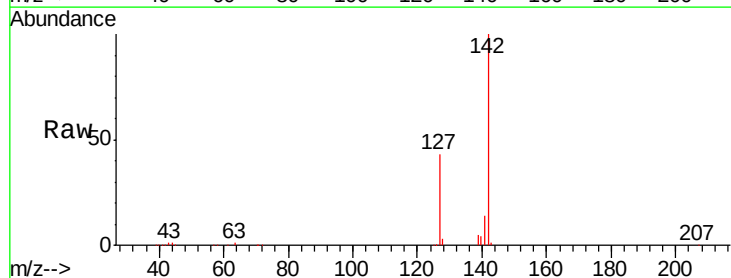
Manual Integrations
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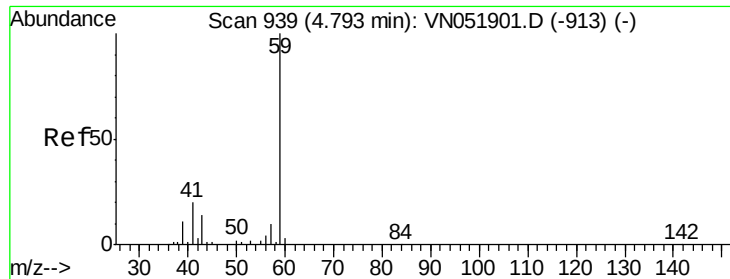
MMDadoda
 10/19/2018 4:37:53 PM



#10
 Methyl Iodide
 Concen: 48.94 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	594127		
127	43.1	34.3	51.5	
141	14.0	11.1	16.7	





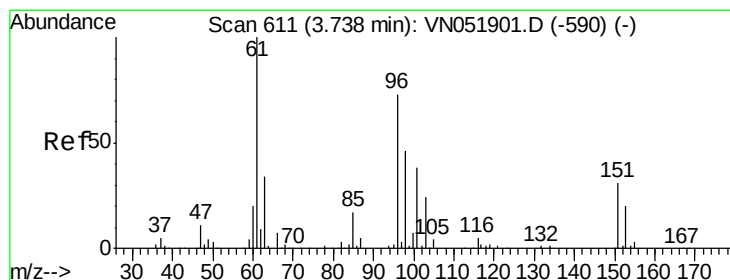
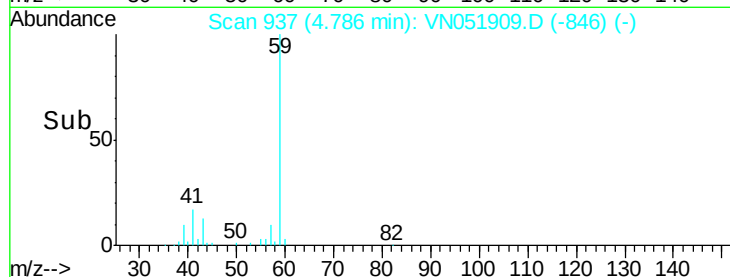
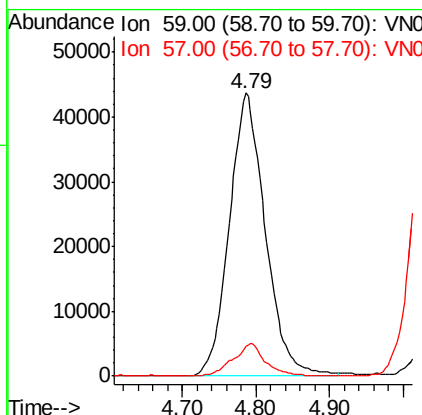
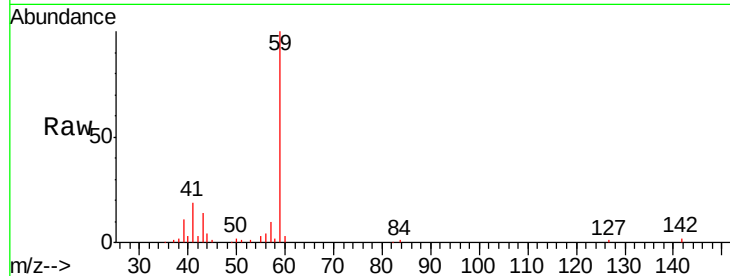
#11
Tert butyl alcohol
Concen: 234.27 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 148430
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

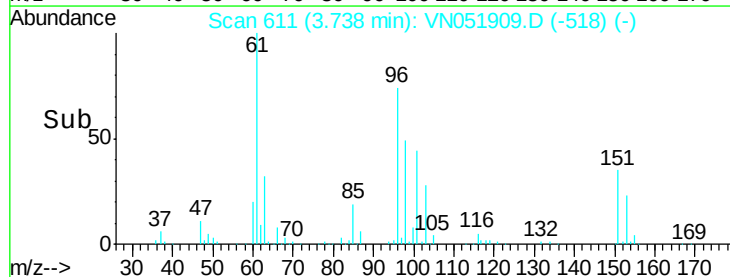
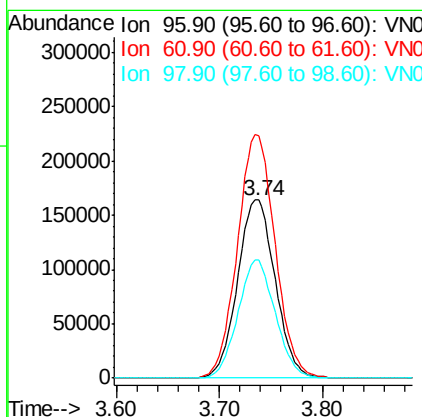
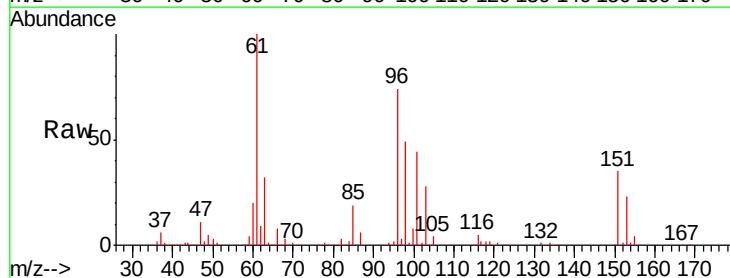
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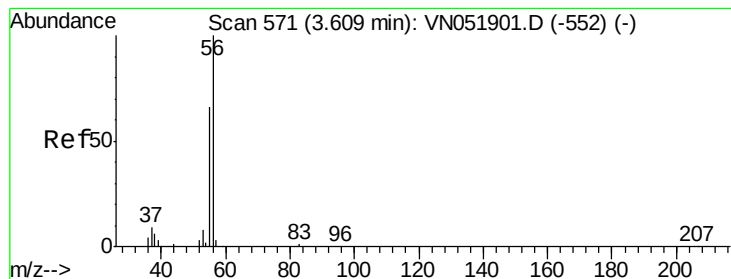
MMDadoda
10/19/2018 4:37:53 PM



#12
1,1-Dichloroethene
Concen: 49.49 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 96 Resp: 416561
Ion Ratio Lower Upper
96 100
61 136.0 109.8 164.6
98 66.6 50.9 76.3





#13

Acrolein

Concen: 187.75 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 85500

Ion Ratio Lower Upper

56 100

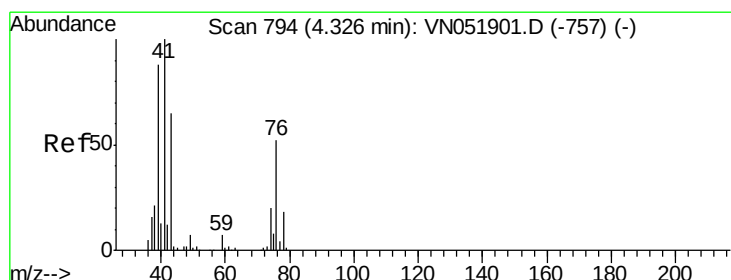
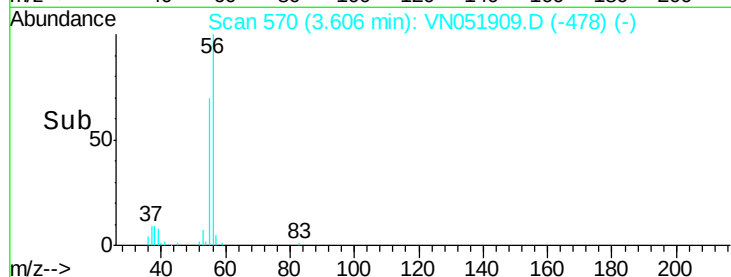
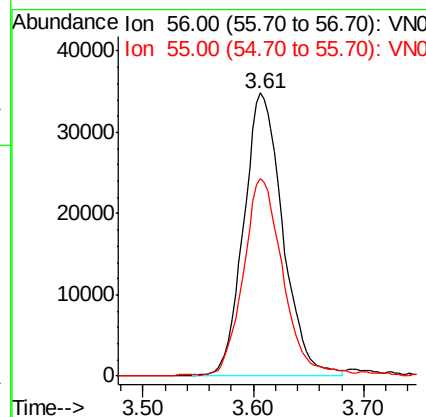
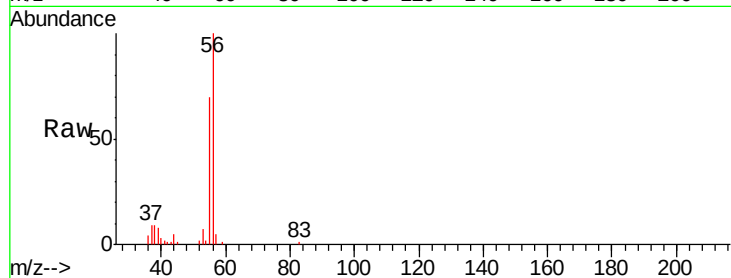
55 70.8 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.96 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

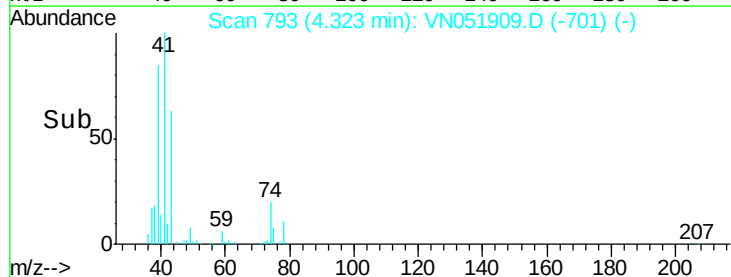
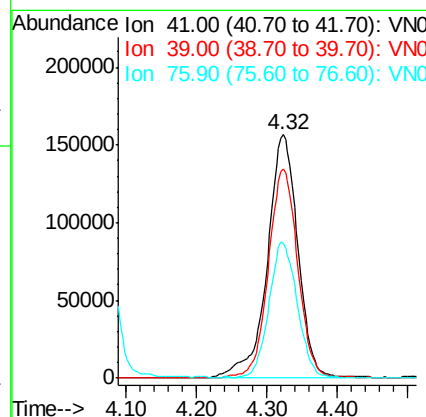
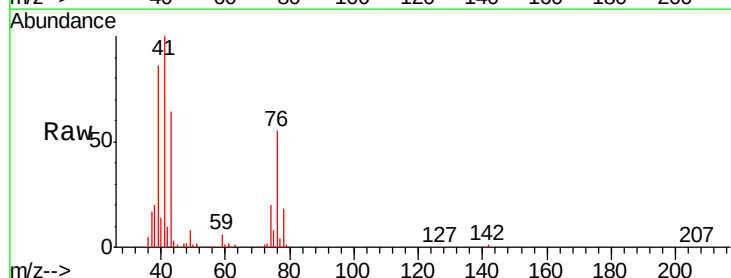
Tgt Ion: 41 Resp: 473666

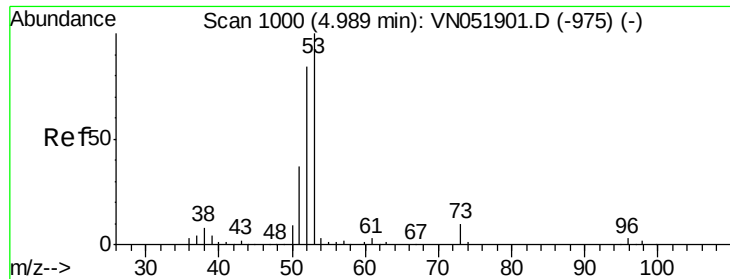
Ion Ratio Lower Upper

41 100

39 82.0 65.4 98.0

76 51.1 39.6 59.4





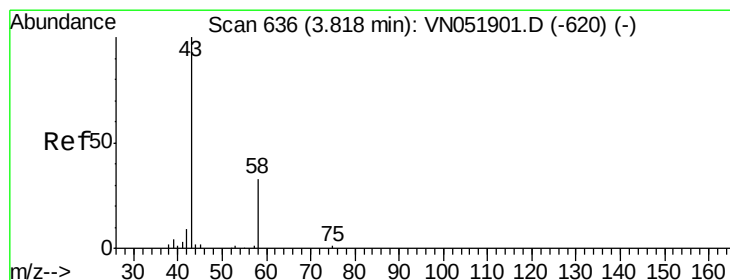
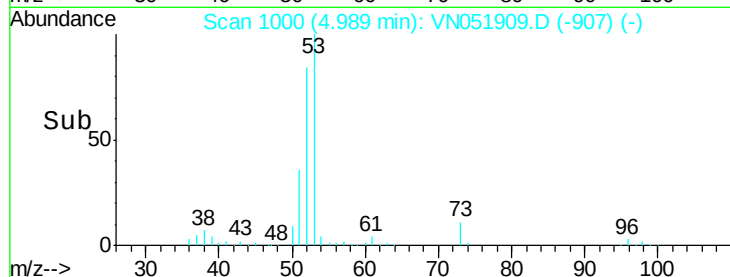
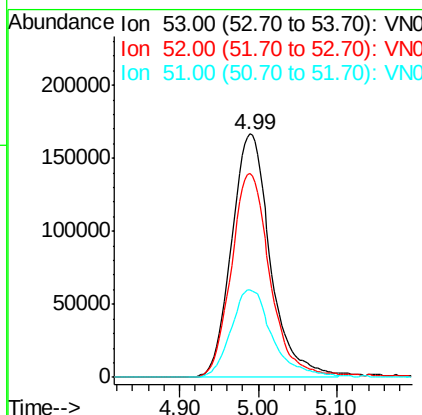
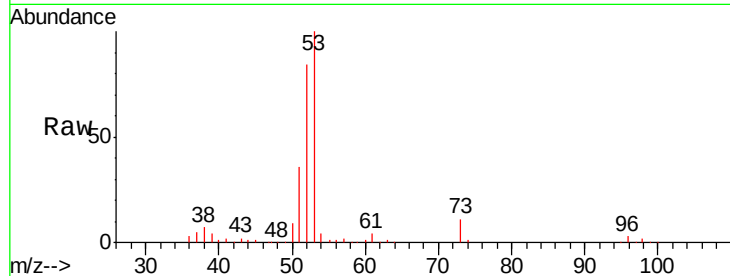
#15
 Acrylonitrile
 Concen: 248.92 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.8	98.8
51	38.2	29.4	44.2

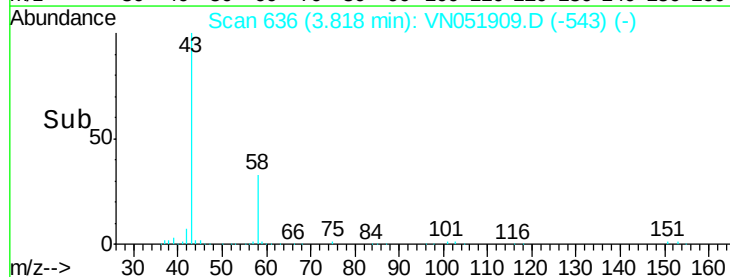
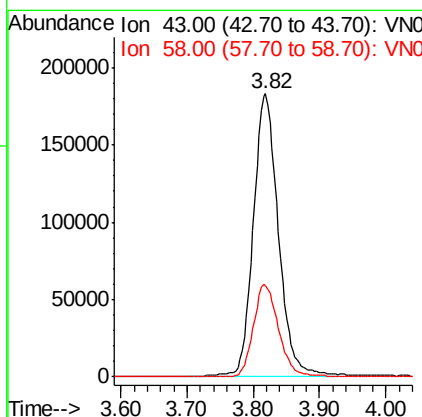
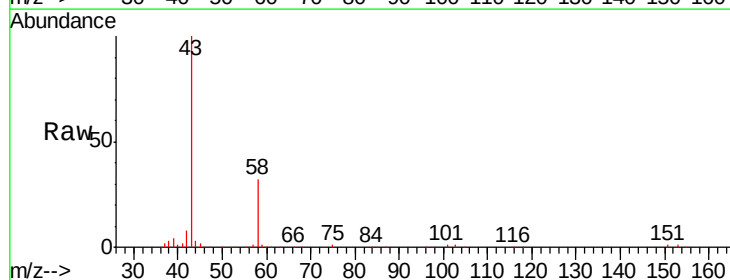
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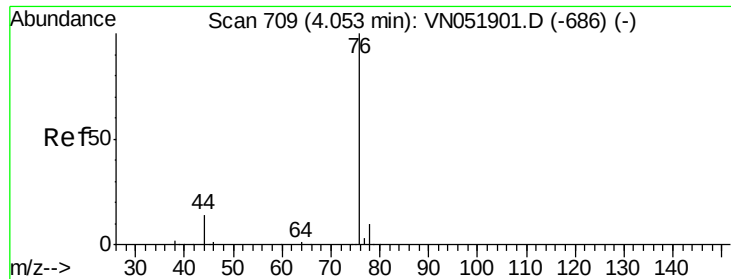
MMDadoda
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#16
 Acetone
 Concen: 251.01 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.9	38.9





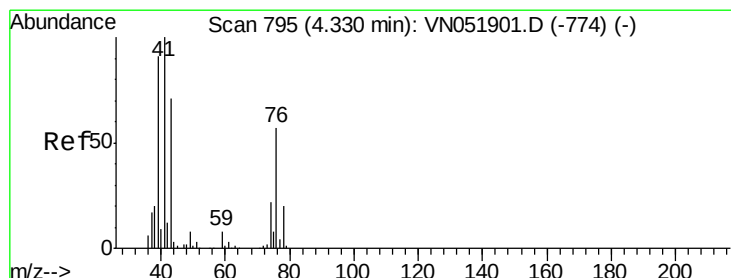
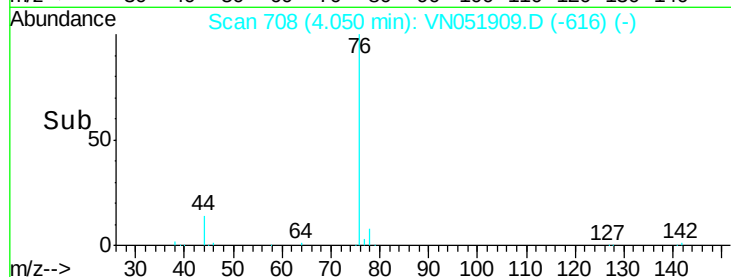
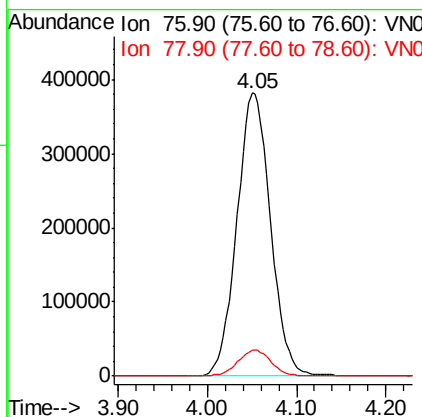
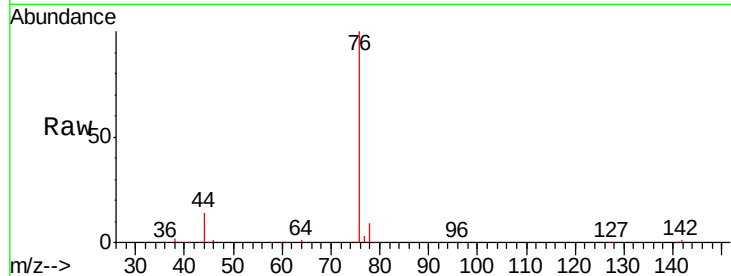
#17
Carbon Disulfide
Concen: 47.67 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 1000361
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4

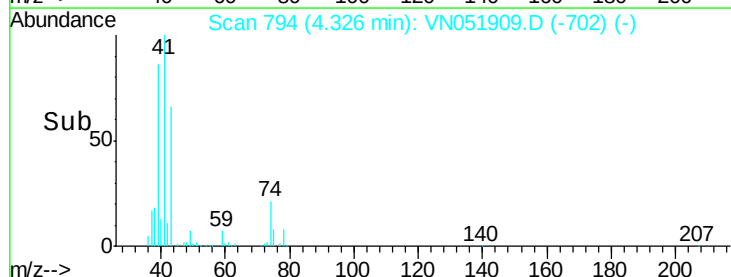
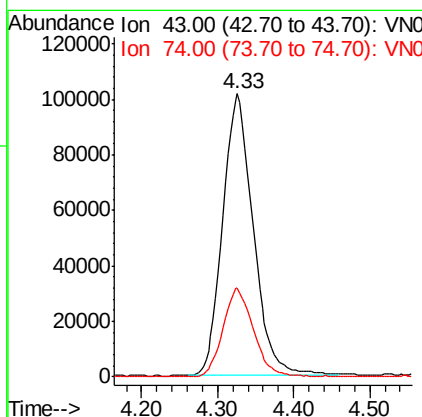
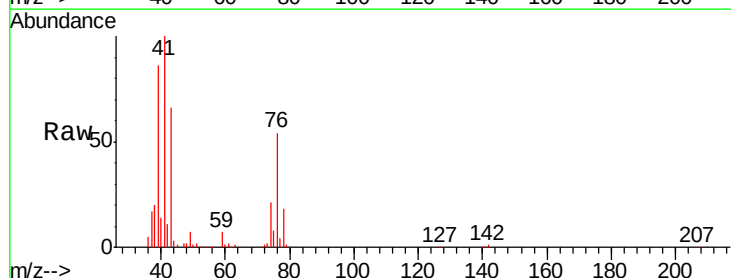
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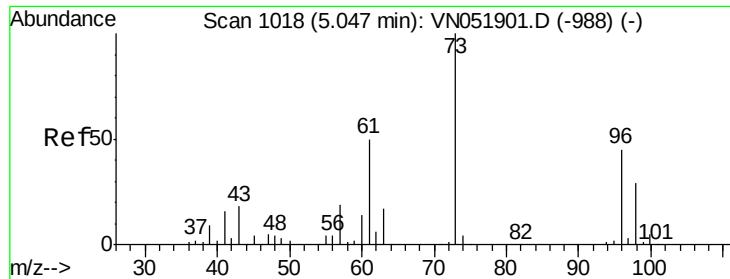
MMDadoda
10/19/2018 4:37:53 PM



#18
Methyl Acetate
Concen: 49.99 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 43 Resp: 285231
Ion Ratio Lower Upper
43 100
74 31.4 24.9 37.3





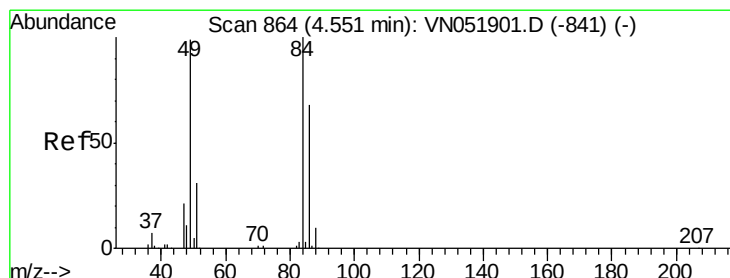
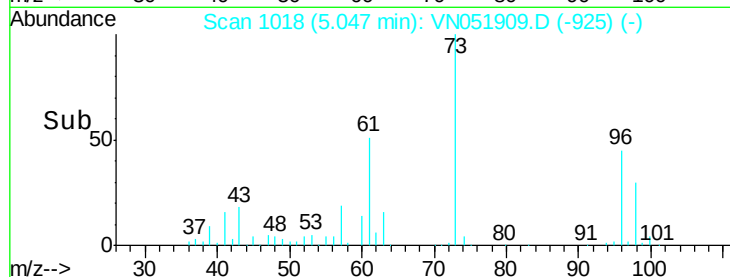
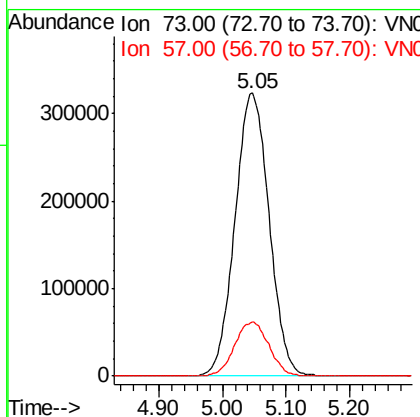
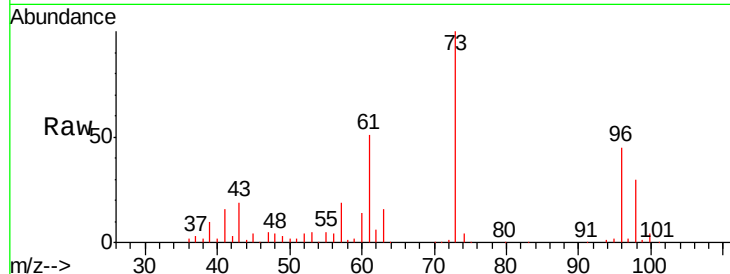
#19
Methyl tert-butyl Ether
Concen: 49.79 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1207771
Ion Ratio Lower Upper
73 100
57 19.2 15.3 22.9

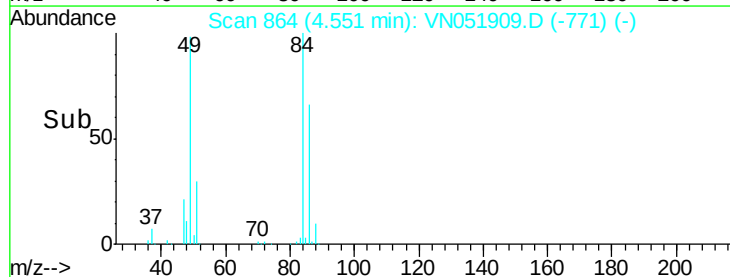
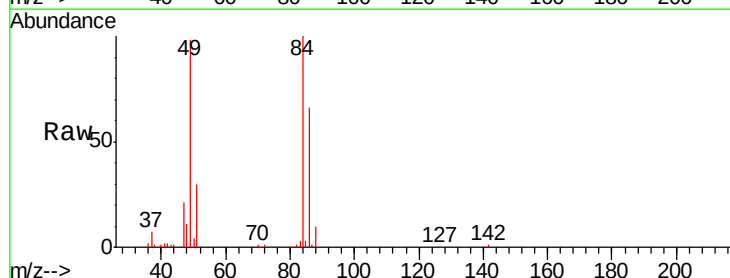
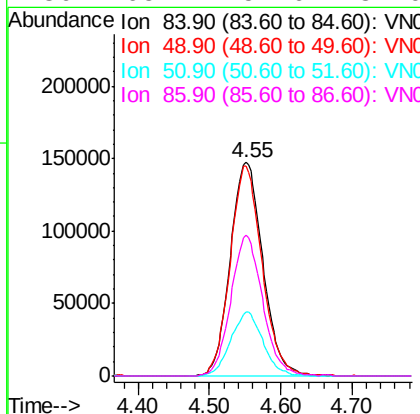
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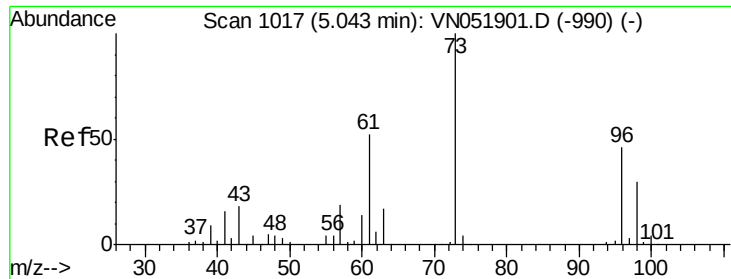
MMDadoda
10/19/2018 4:37:53 PM



#20
Methylene Chloride
Concen: 48.14 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 84 Resp: 469875
Ion Ratio Lower Upper
84 100
49 98.0 79.0 118.4
51 29.8 24.9 37.3
86 65.7 54.6 82.0





#21

trans-1,2-Dichloroethene

Concen: 49.23 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

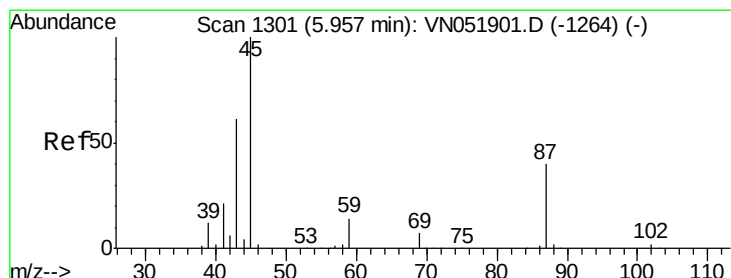
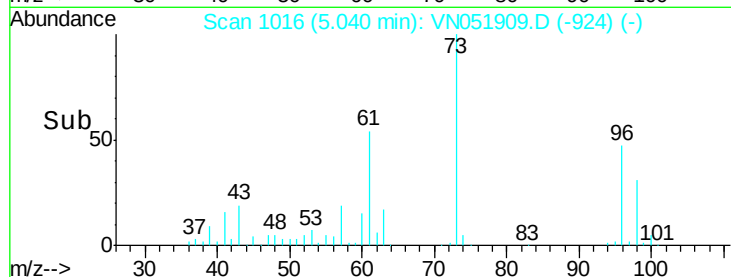
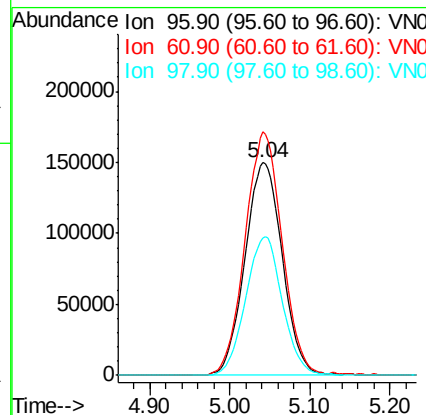
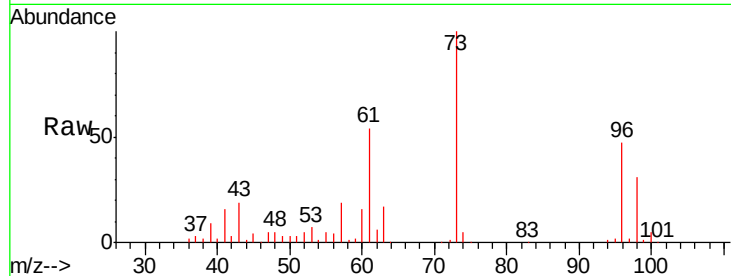
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	476212
Ion	Ratio	Lower	Upper
96	100		
61	114.5	89.8	134.6
98	64.8	51.7	77.5

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#22

Diisopropyl ether

Concen: 50.56 ug/l

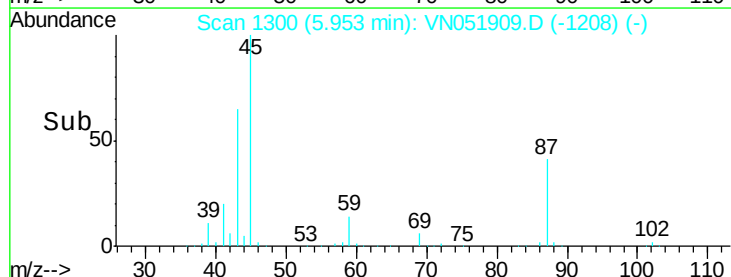
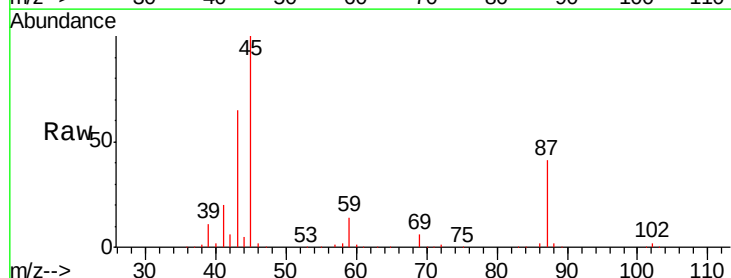
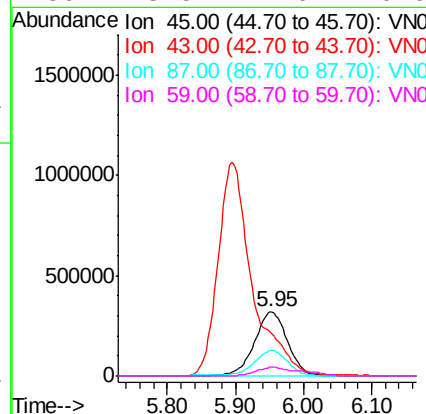
RT: 5.95 min Scan# 1300

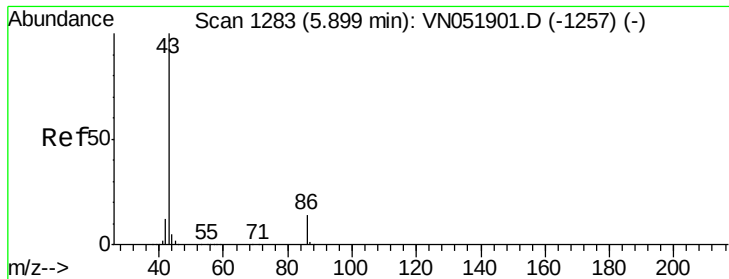
Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion:	45	Resp:	1074221
Ion	Ratio	Lower	Upper
45	100		
43	64.1	48.9	73.3
87	40.7	32.6	48.8
59	13.5	11.0	16.6





#23

Vinyl Acetate

Concen: 254.62 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3724596

Ion Ratio Lower Upper

43 100

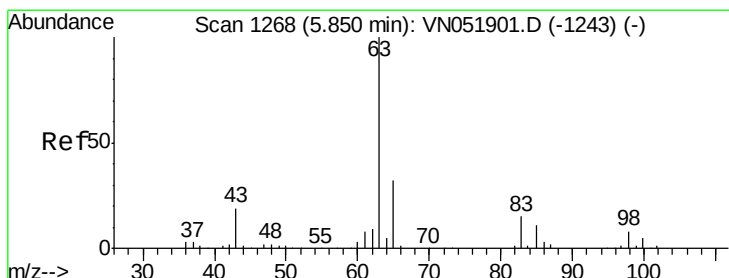
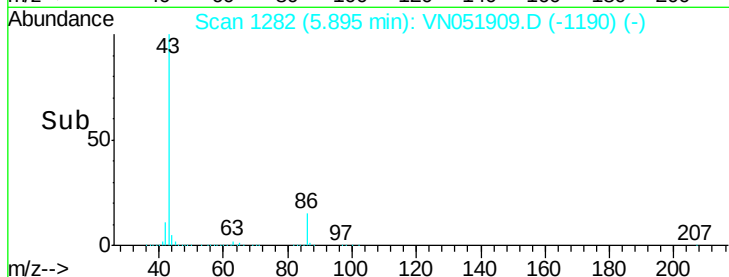
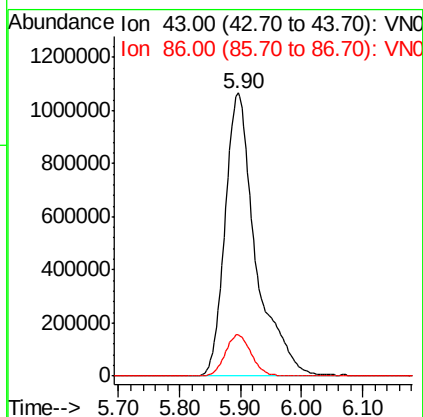
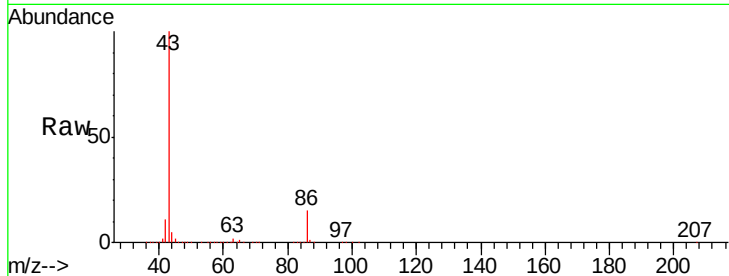
86 14.6 11.5 17.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.45 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

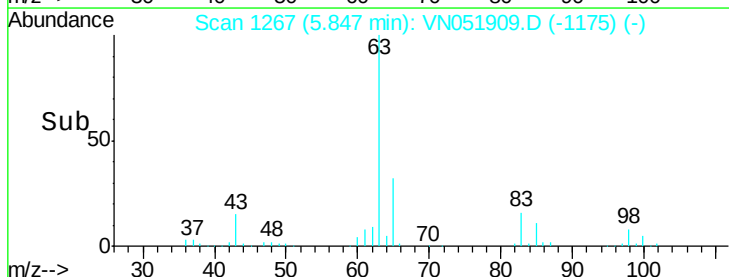
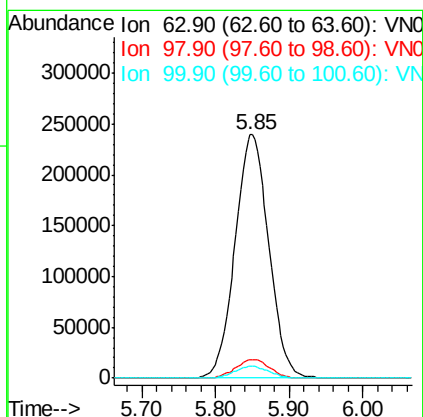
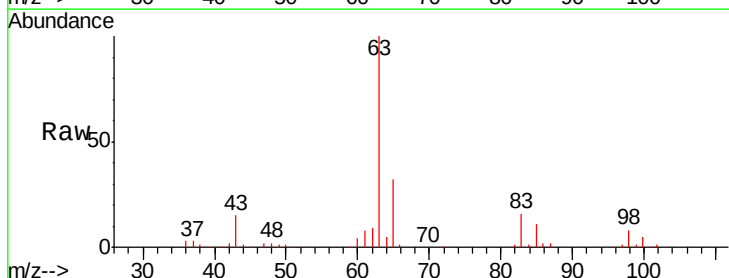
Tgt Ion: 63 Resp: 760916

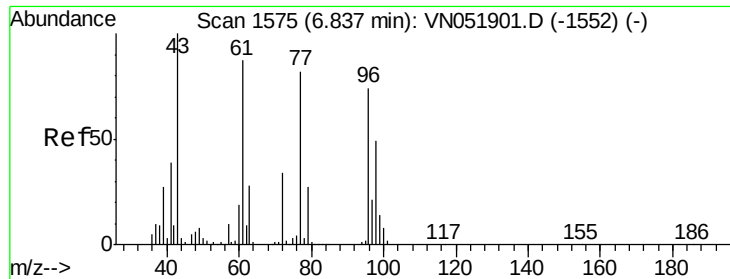
Ion Ratio Lower Upper

63 100

98 7.7 4.0 12.0

100 5.1 2.4 7.1





#25

2-Butanone

Concen: 252.01 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

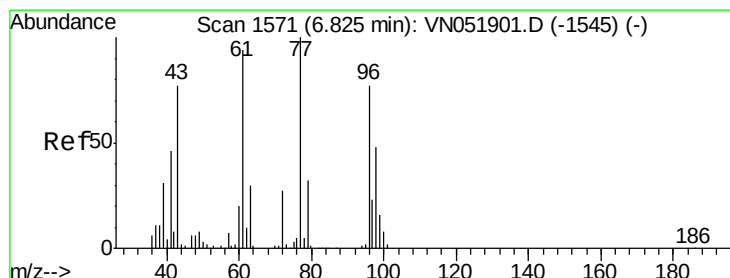
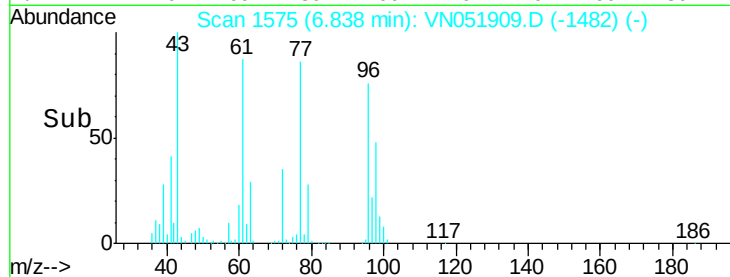
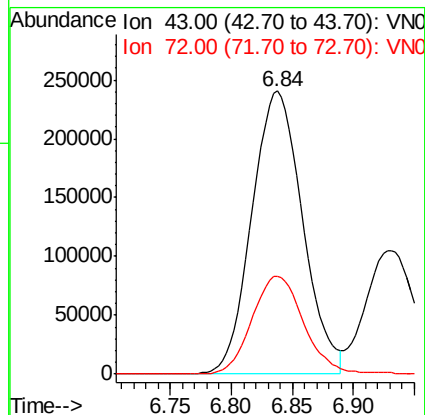
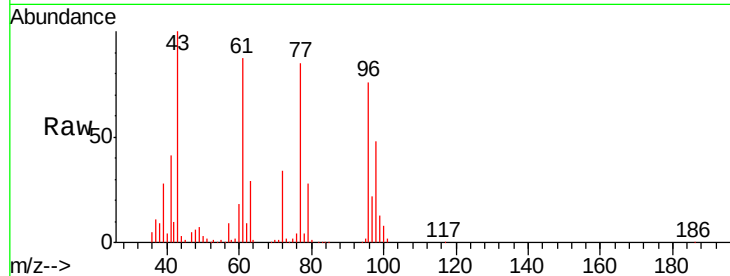
Tgt Ion: 43 Resp: 691517
Ion Ratio Lower Upper

43 100

72 34.5 27.0 40.6

Manual Integrations
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MMDadoda
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#26

2,2-Dichloropropane

Concen: 52.95 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

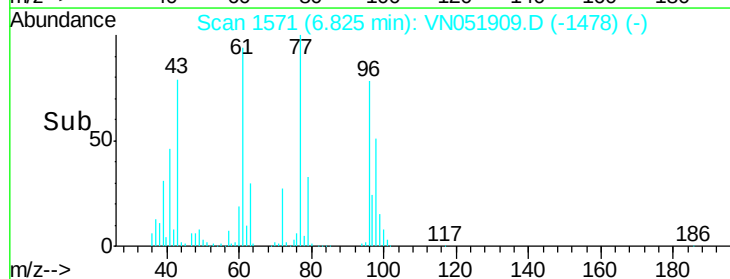
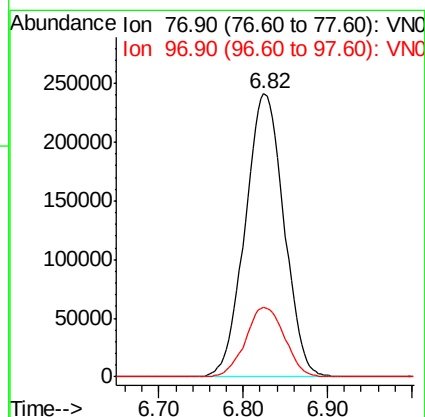
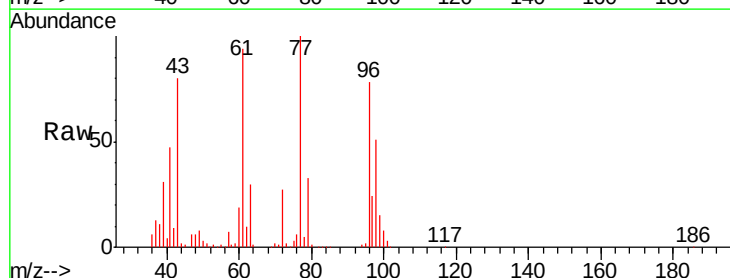
Lab File: VN051909.D

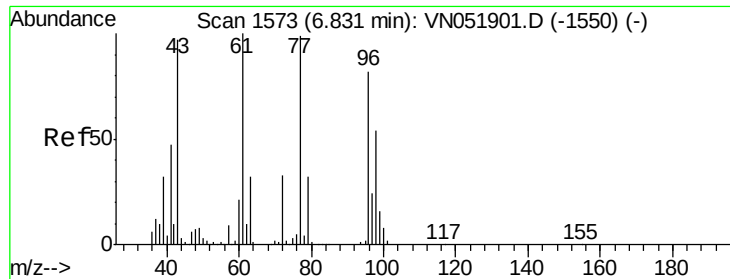
Acq: 18 Oct 2018 11:53

Tgt Ion: 77 Resp: 770488
Ion Ratio Lower Upper

77 100

97 24.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 50.66 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

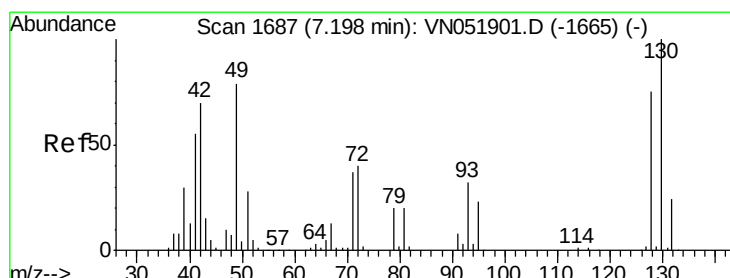
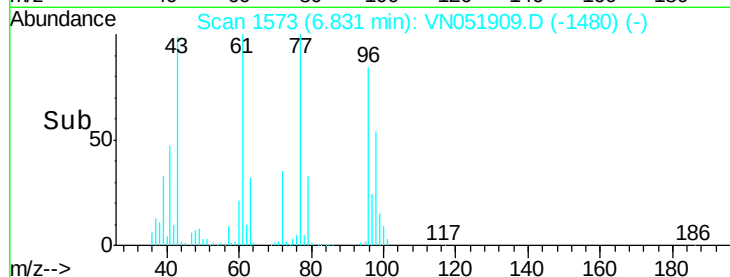
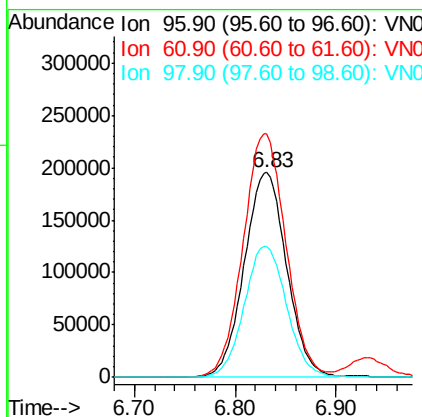
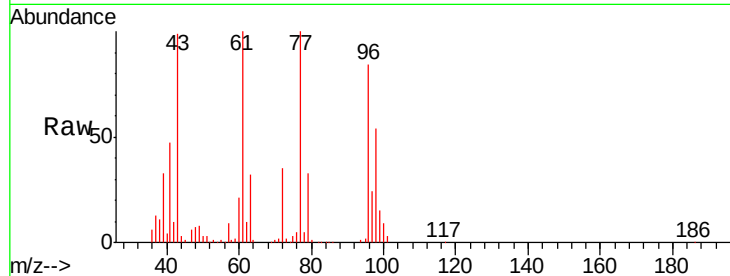
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	569580
Ion	Ratio	Lower	Upper
96	100		
61	120.6	0.0	240.2
98	64.1	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.12 ug/l

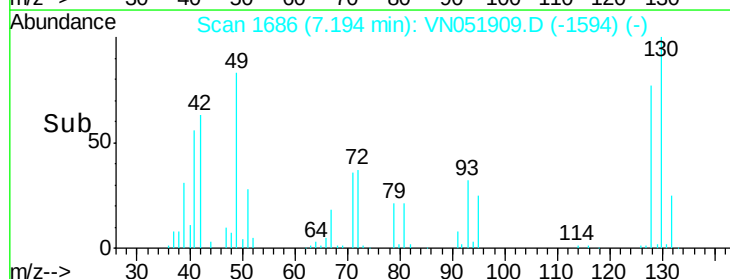
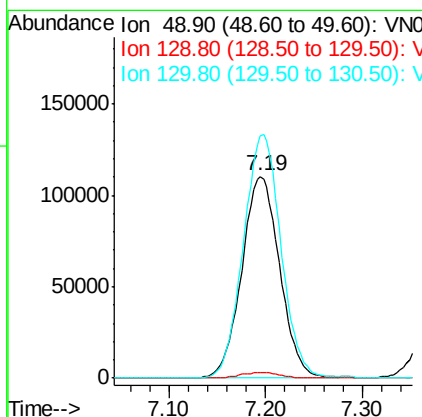
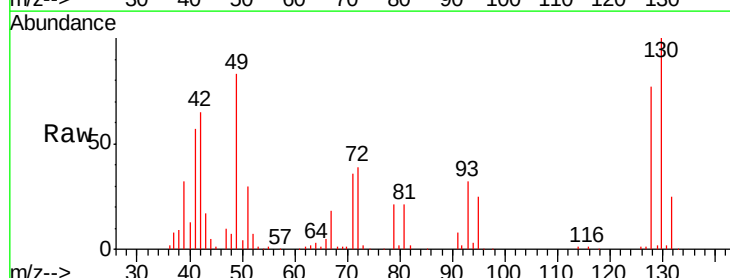
RT: 7.19 min Scan# 1686

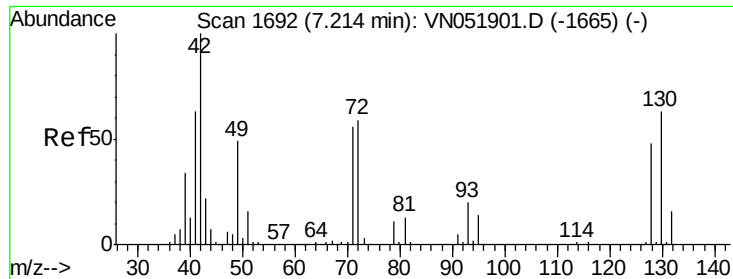
Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion:	49	Resp:	300693
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	6.0
130	120.4	96.7	145.1





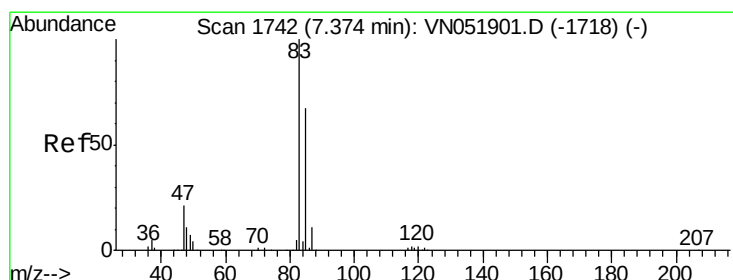
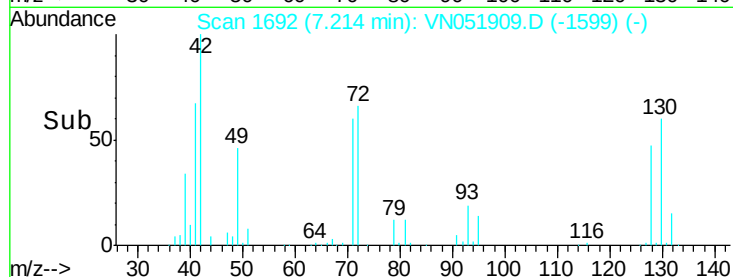
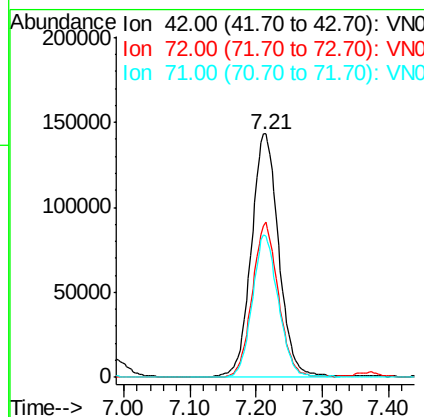
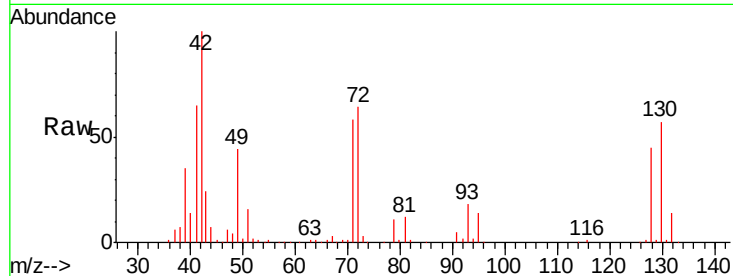
#29
Tetrahydrofuran
Concen: 243.81 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	61.0	47.7	71.5
71	55.8	45.4	68.0

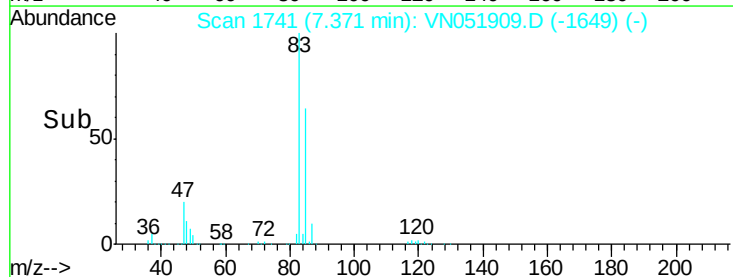
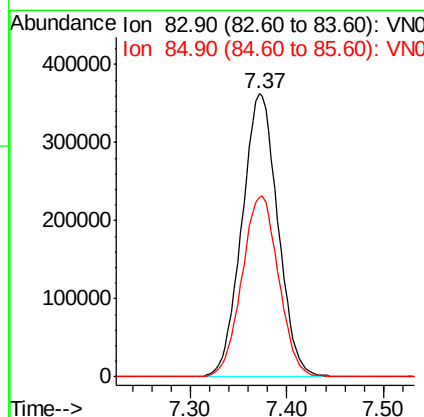
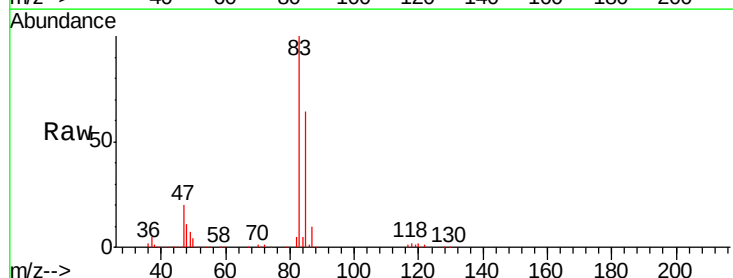
Manual Integrations
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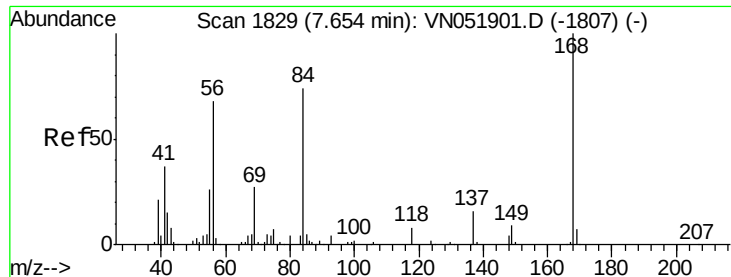
MMDadoda
10/19/2018 4:37:53 PM



#30
Chloroform
Concen: 50.90 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.4	80.2





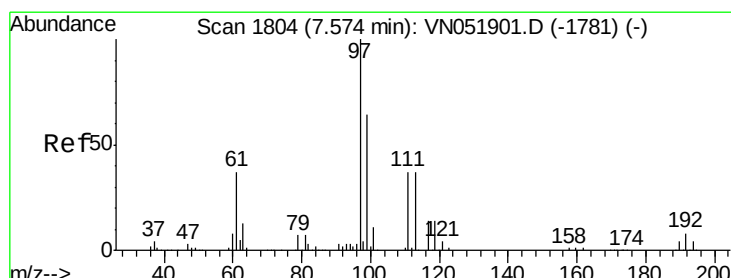
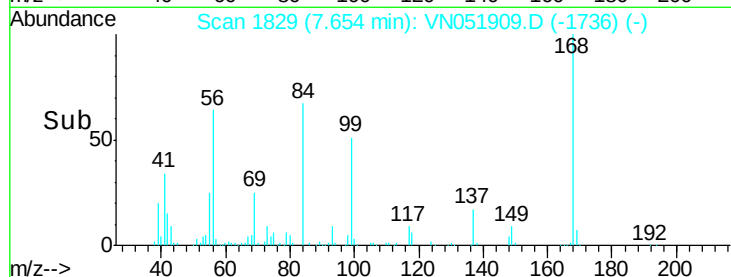
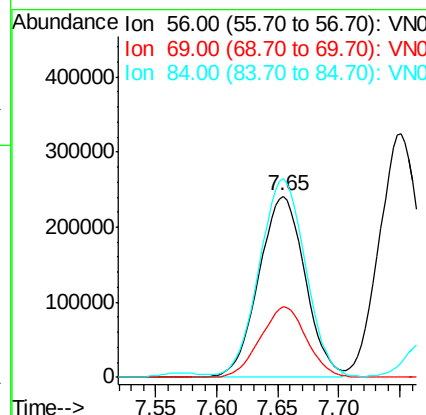
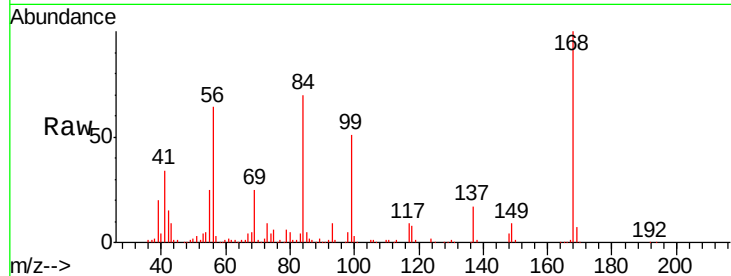
#31
Cyclohexane
Concen: 51.32 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	39.0	31.2	46.8
84	107.4	86.6	130.0

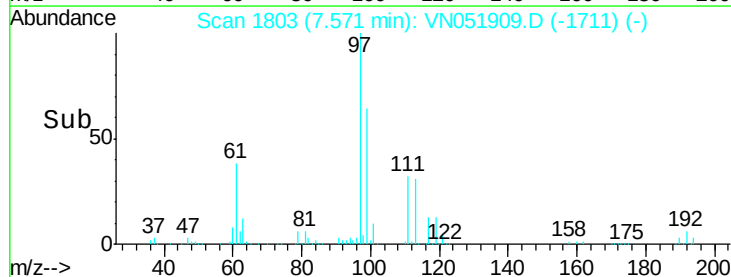
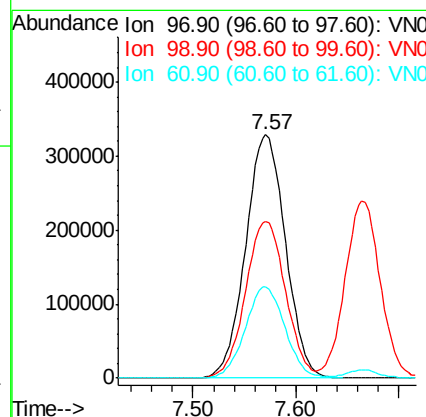
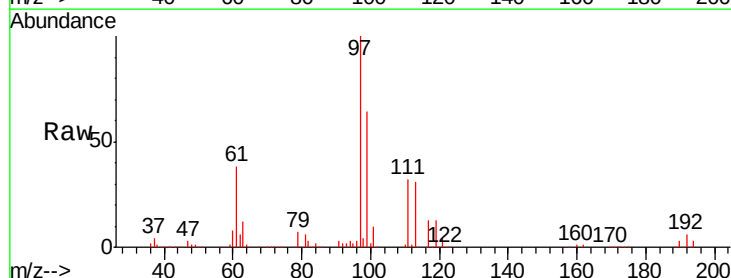
Manual Integrations
APPROVED

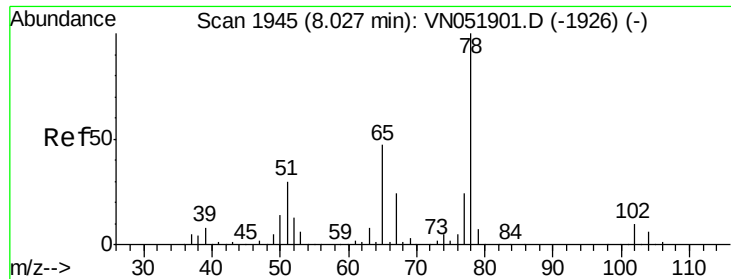
MMDadoda
10/19/2018 4:37:53 PM



#32
1,1,1-Trichloroethane
Concen: 51.39 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	37.4	29.8	44.6





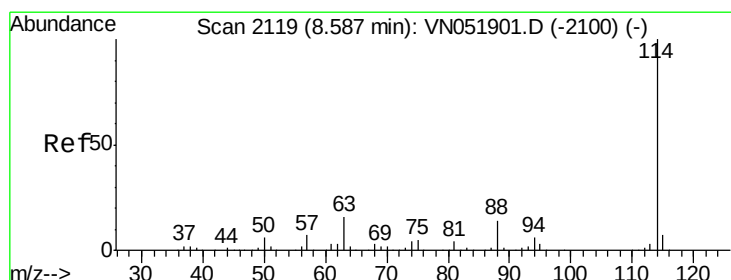
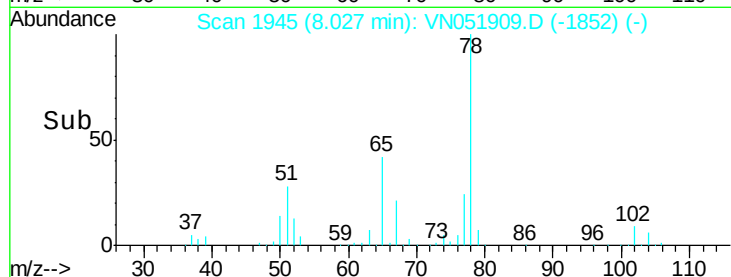
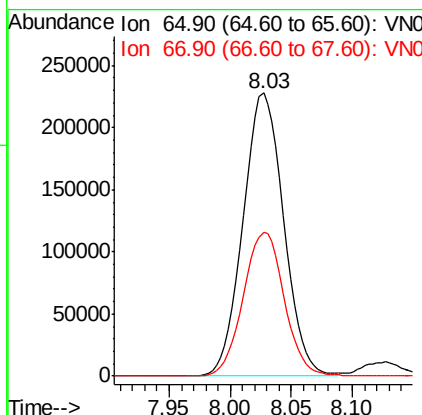
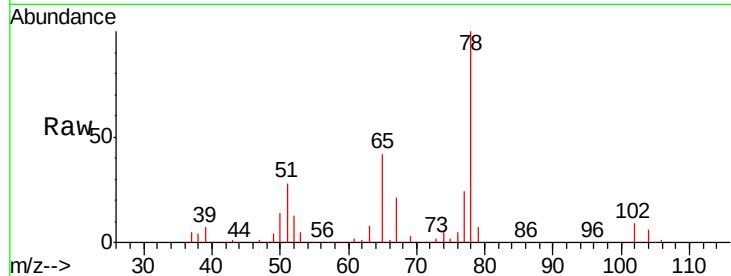
#33
 1,2-Dichloroethane-d4
 Concen: 51.39 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	525687		
67	51.4	0.0	104.0	

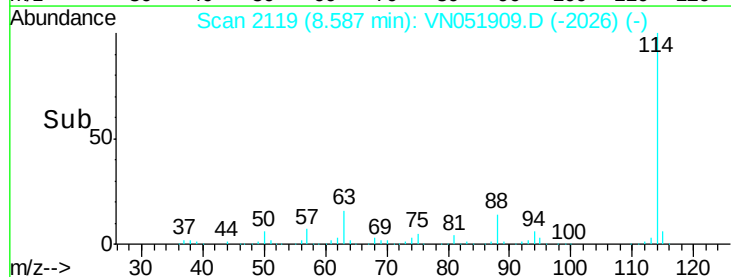
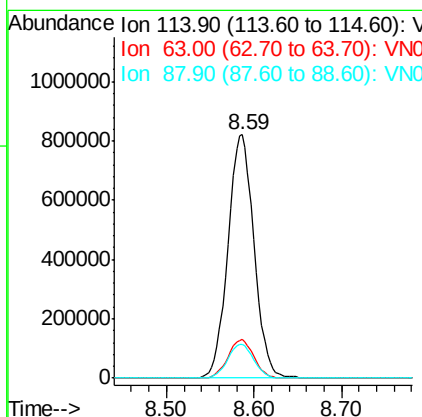
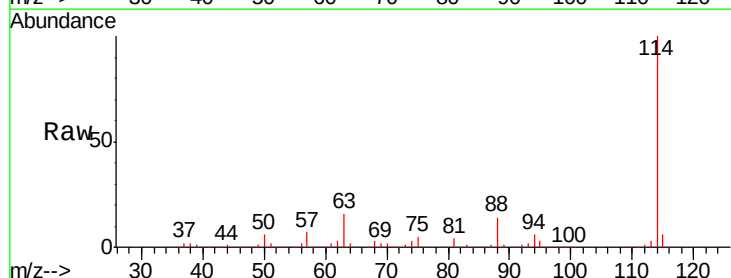
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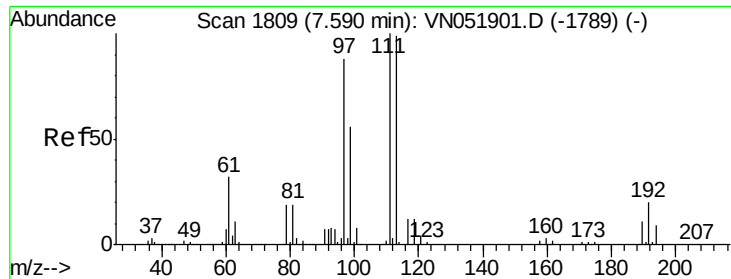
MMDadoda
 10/19/2018 4:37:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1700968		
63	15.9	0.0	31.8	
88	14.0	0.0	28.0	





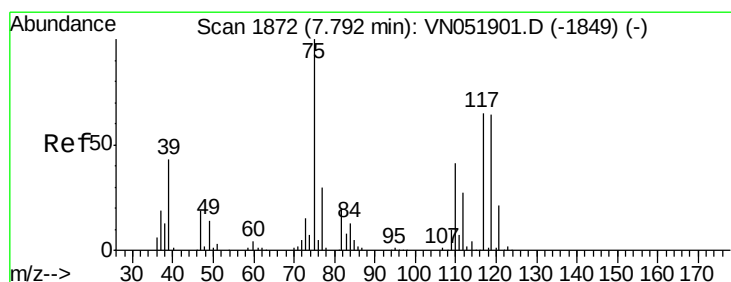
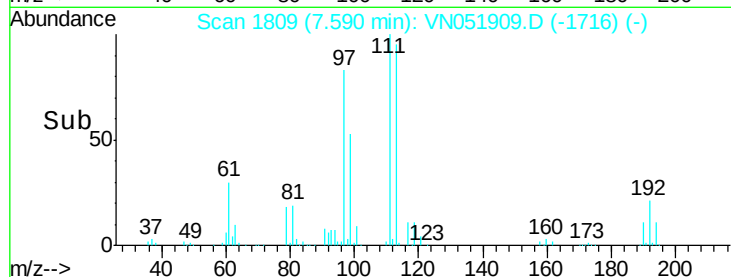
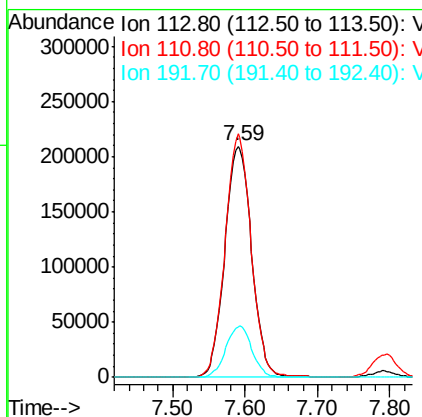
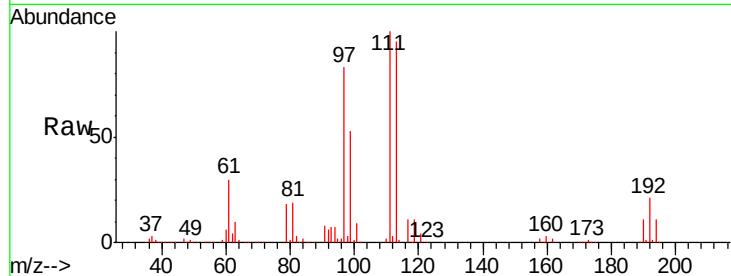
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	540850		
111	101.6	82.6	123.8	
192	21.5	17.3	25.9	

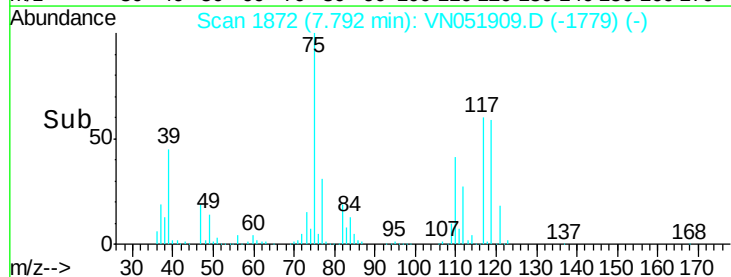
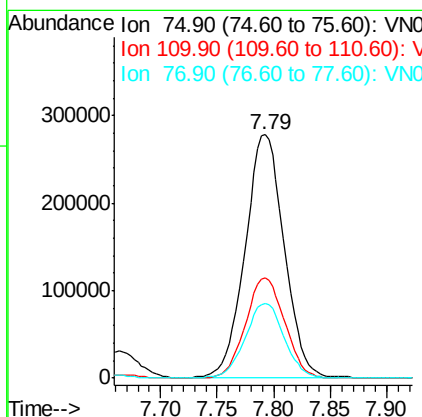
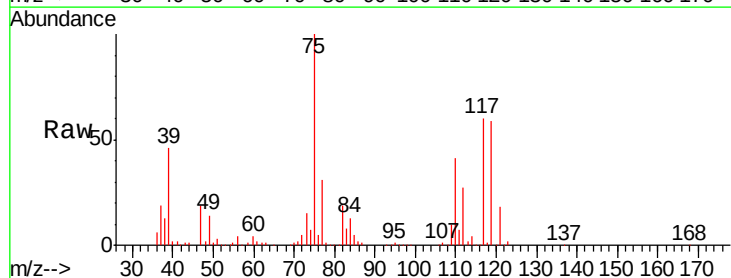
Manual Integrations
APPROVED

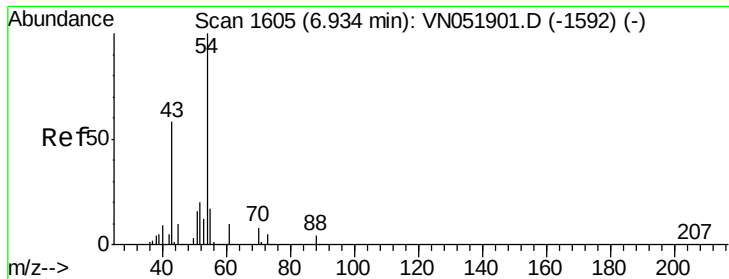
MMDadoda
10/19/2018 4:37:53 PM



#36
1,1-Dichloropropene
Concen: 50.16 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	662269		
110	41.7	21.0	63.0	
77	31.4	24.9	37.3	





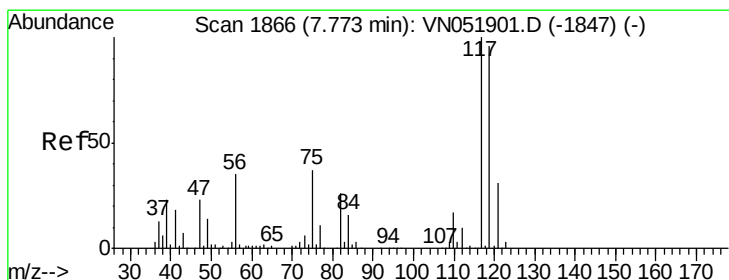
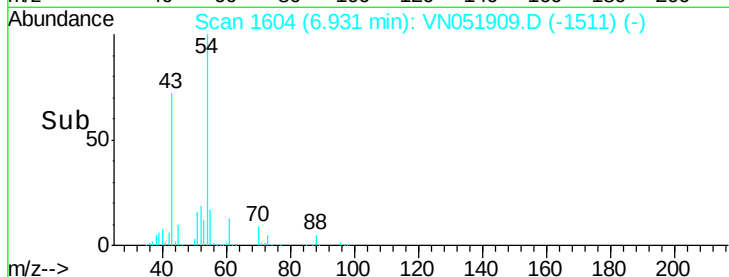
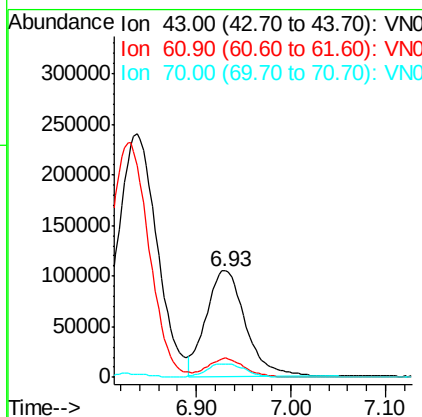
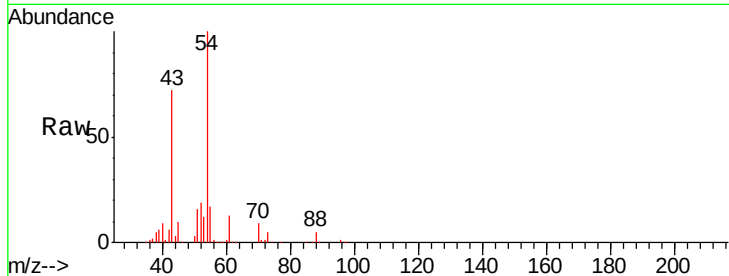
#37
Ethyl Acetate
Concen: 49.76 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.0	19.6
70	12.9	10.4	15.6

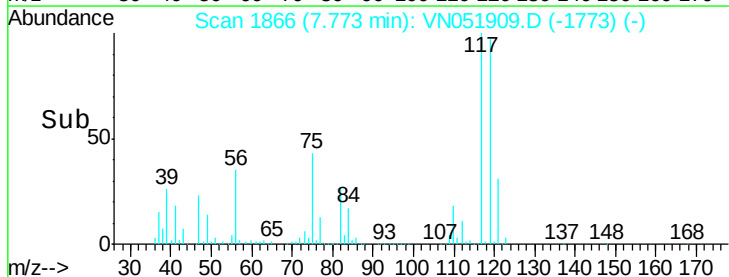
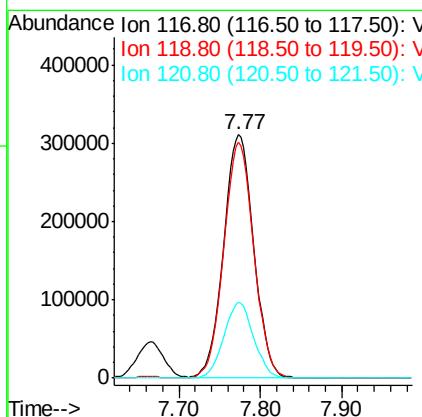
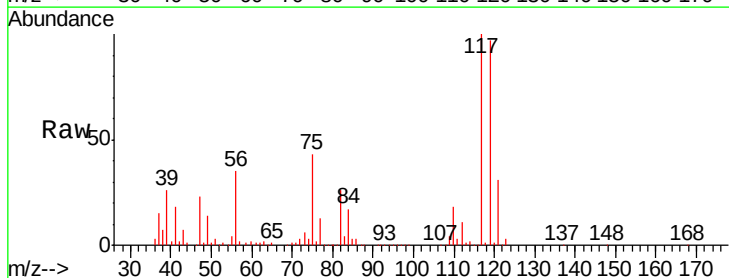
Manual Integrations
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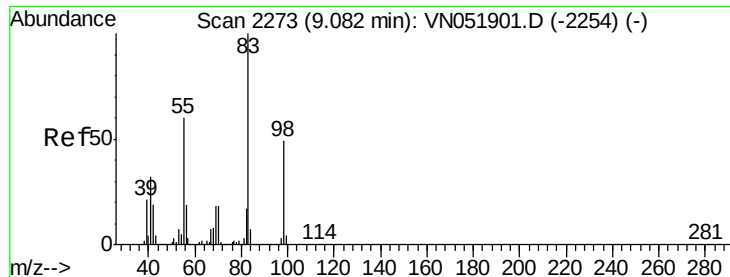
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.74 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.0	115.6
121	31.0	25.1	37.7





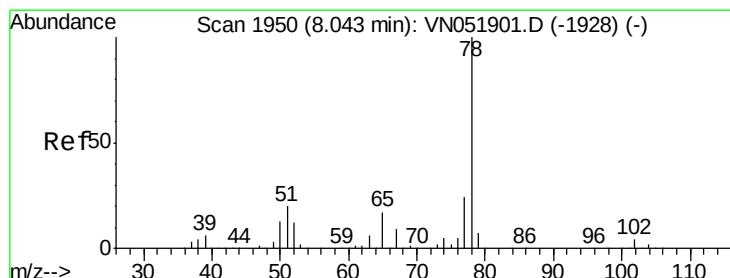
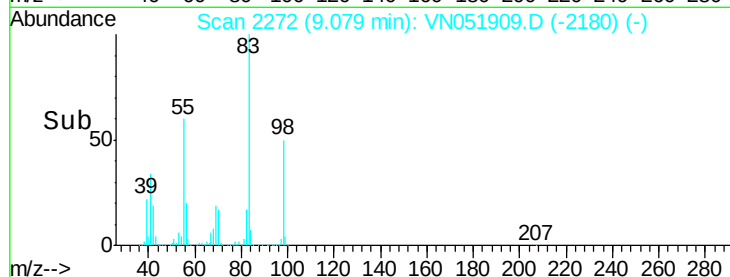
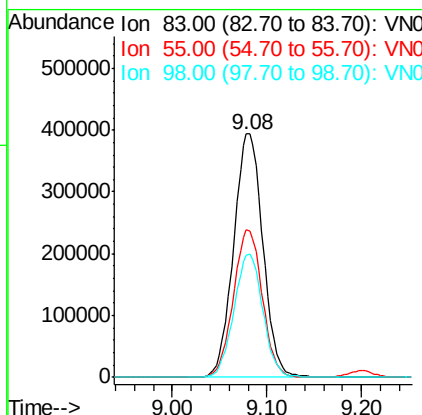
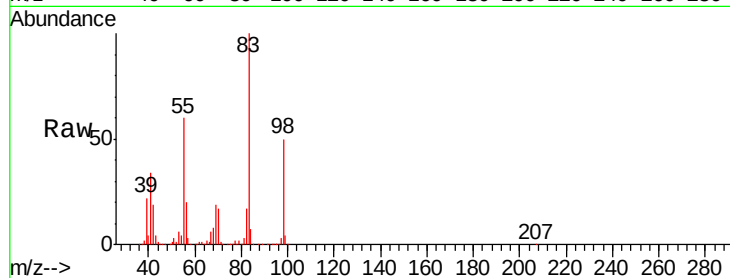
#39
Methylcyclohexane
Concen: 51.78 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	60.4	47.8	71.8
98	50.0	39.0	58.4

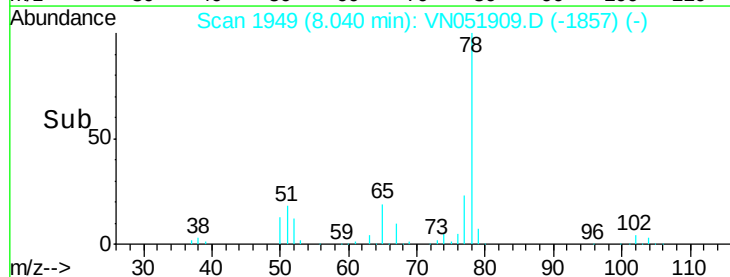
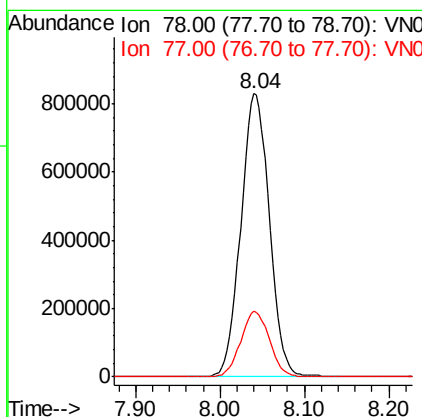
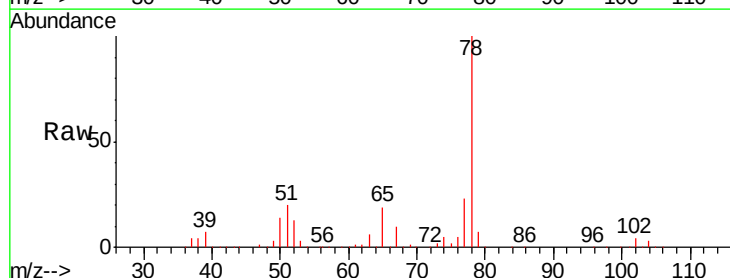
Manual Integrations
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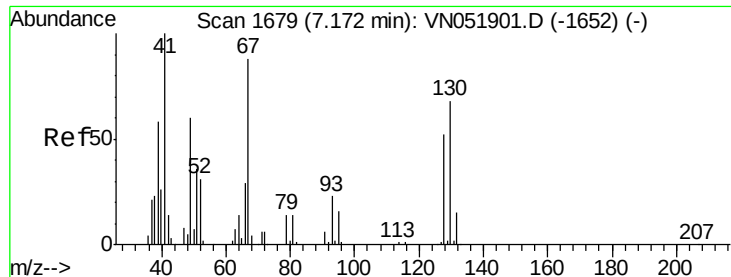
MMDadoda
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#40
Benzene
Concen: 50.59 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





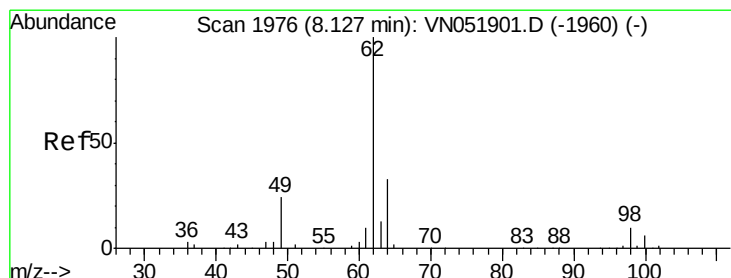
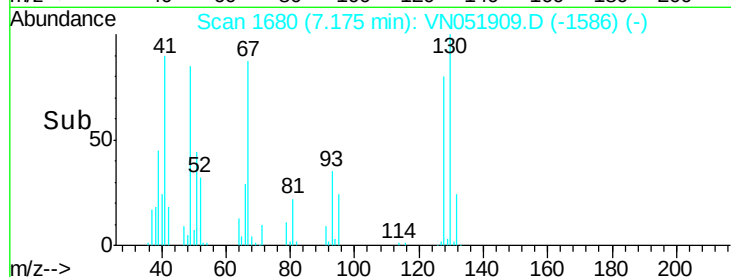
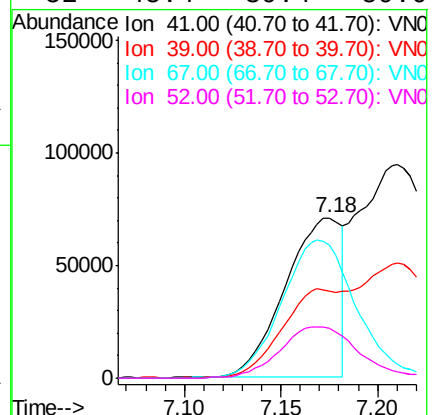
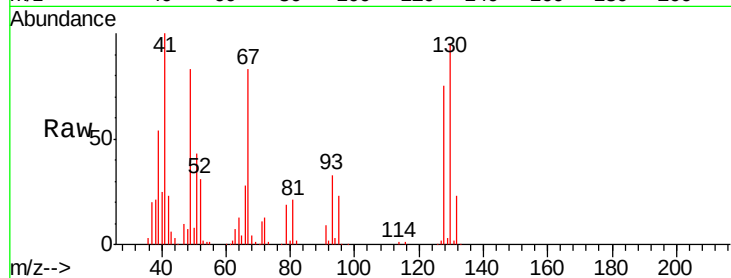
#41
Methacrylonitrile
Concen: 47.91 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.4	56.1	84.1#
67	114.6	106.5	159.7
52	45.4	39.4	59.0

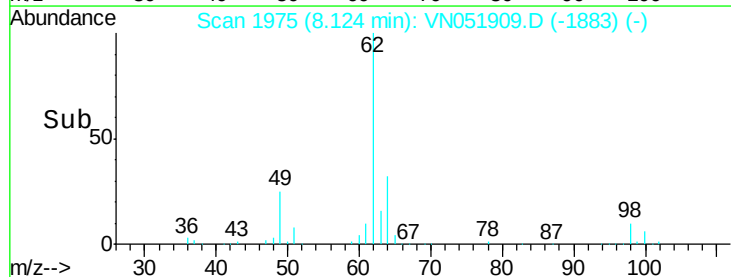
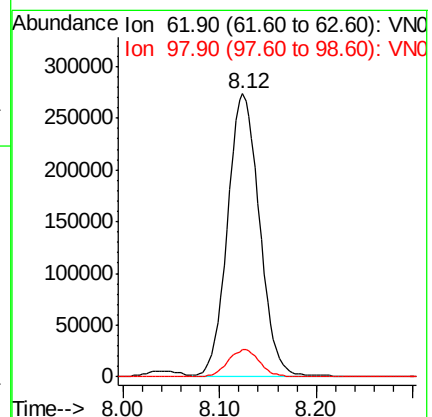
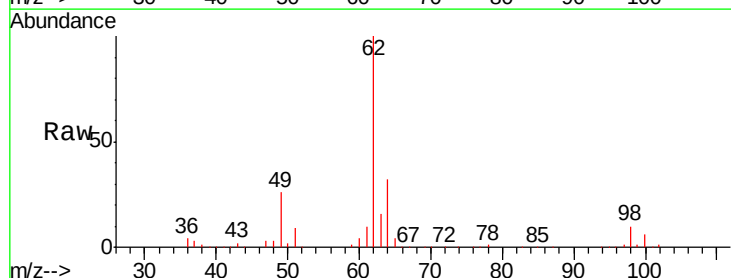
Manual Integrations
APPROVED

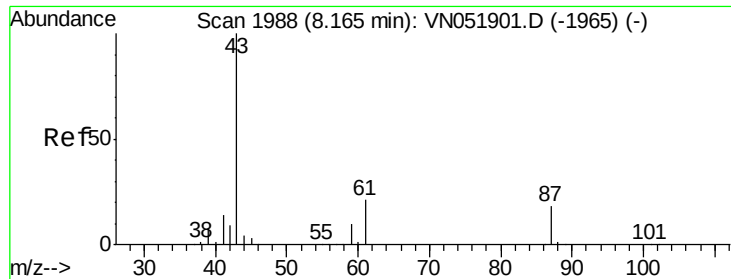
MMDadoda
10/19/2018 4:37:53 PM



#42
1,2-Dichloroethane
Concen: 50.67 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





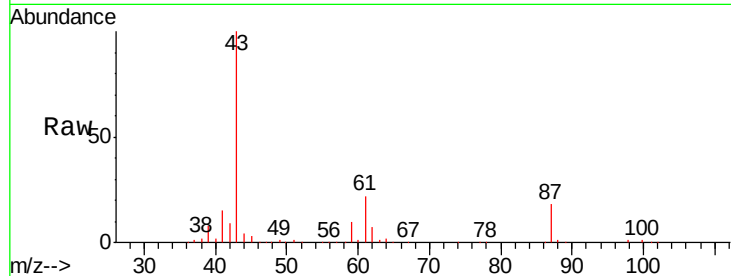
#43
Isopropyl Acetate
Concen: 49.30 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

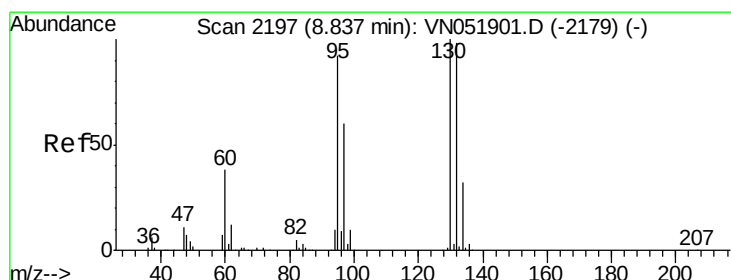
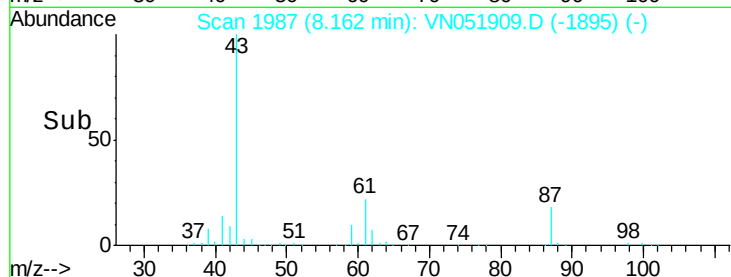
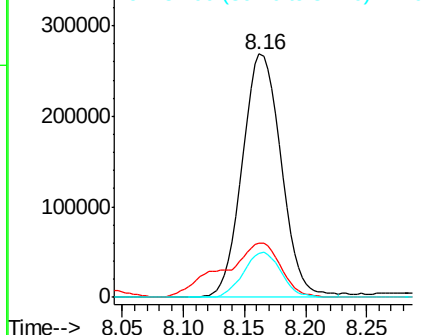
Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.7	24.9	37.3
87	18.1	14.6	22.0

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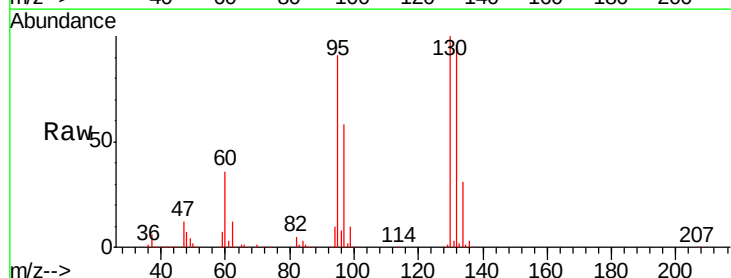


Abundance Ion 43.00 (42.70 to 43.70): VN051909.D (-1895) (-)

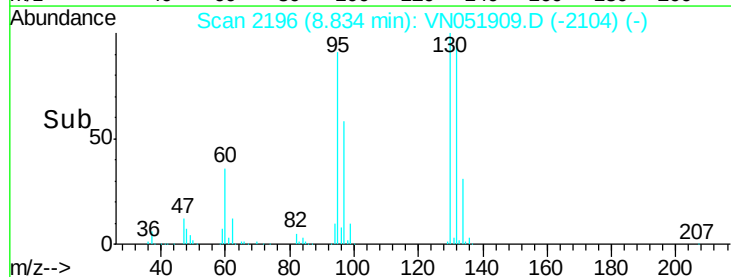
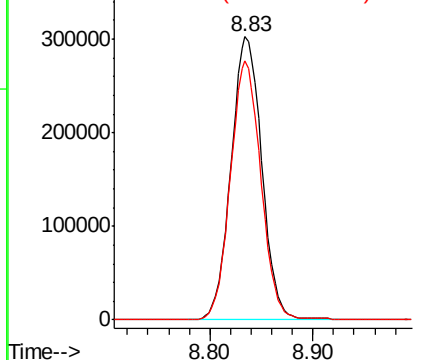


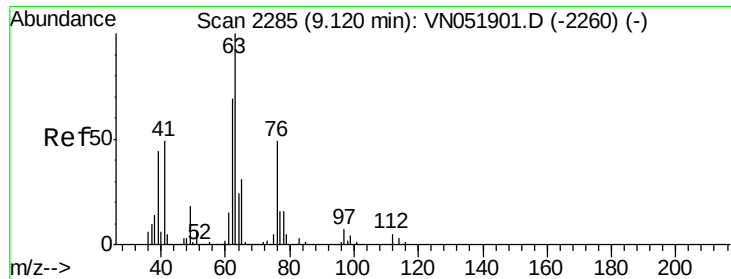
#44
Trichloroethene
Concen: 51.92 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	183.2



Abundance Ion 129.80 (129.50 to 130.50): VN051909.D (-2104) (-)





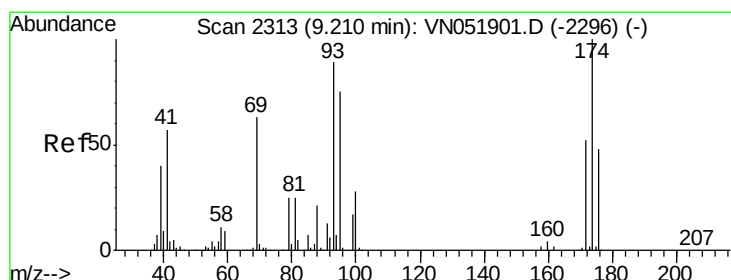
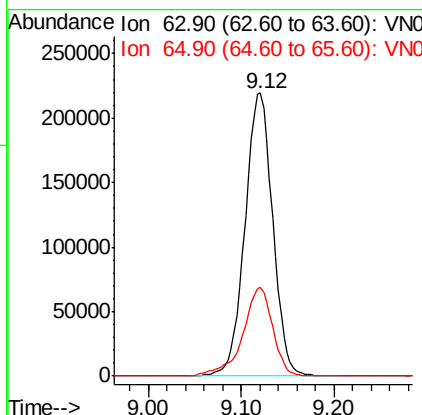
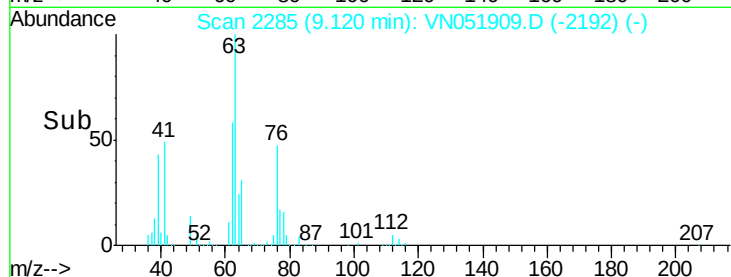
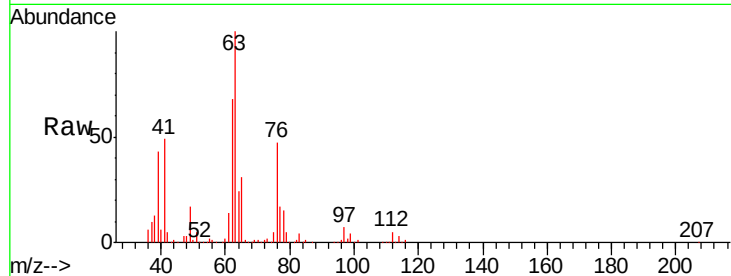
#45
 1,2-Dichloropropane
 Concen: 51.17 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 456379
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.9 37.3

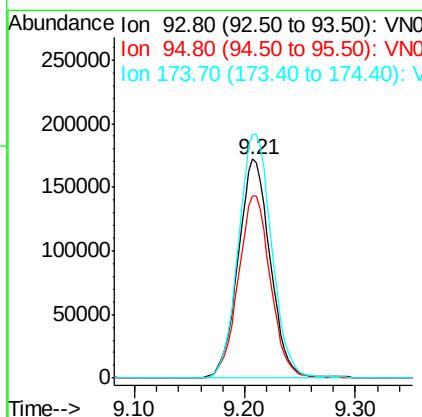
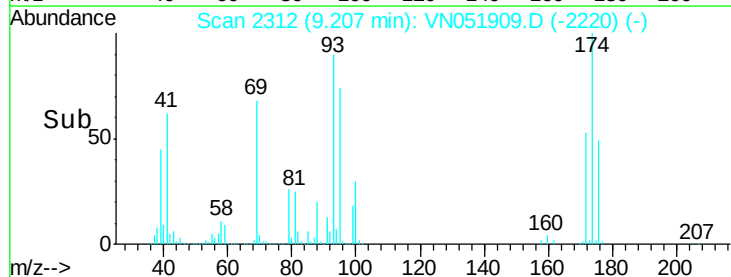
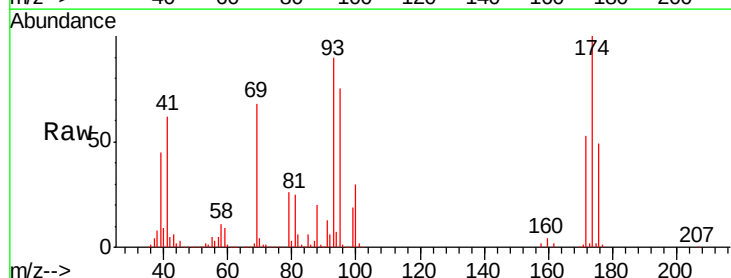
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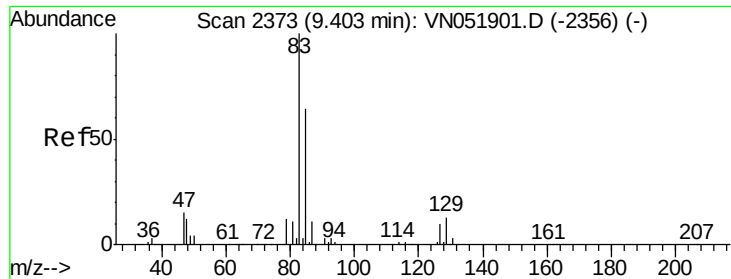
MMDadoda
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#46
 Dibromomethane
 Concen: 51.13 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 93 Resp: 347540
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.8 101.6
 174 115.0 91.9 137.9





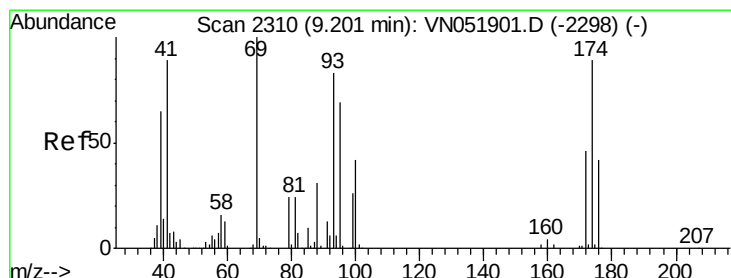
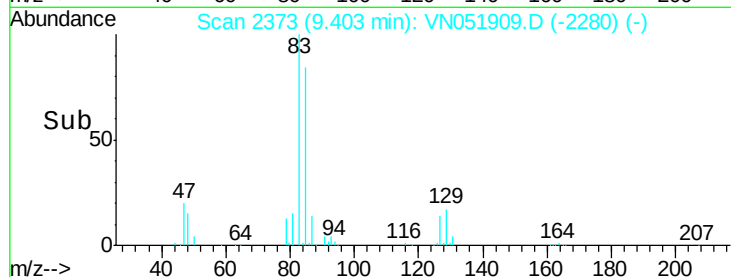
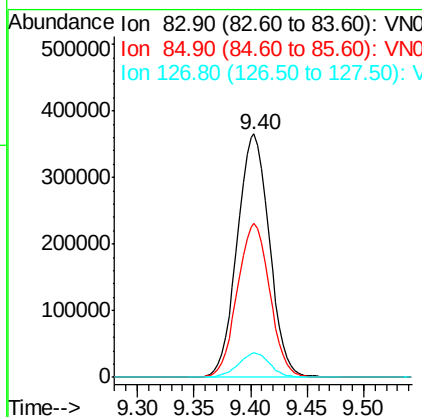
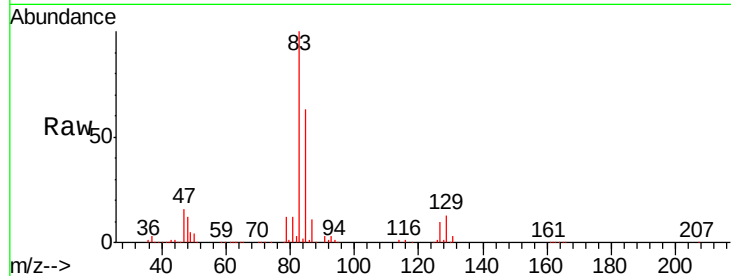
#47
Bromodichloromethane
Concen: 53.32 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2
127	10.2	7.9	11.9

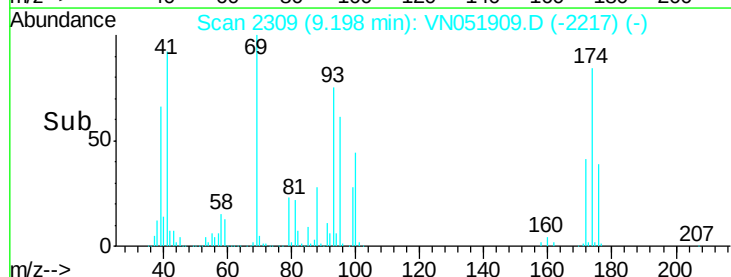
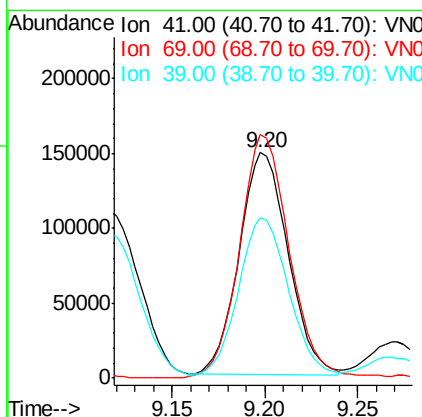
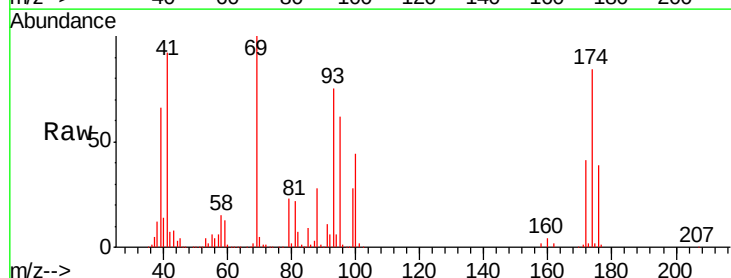
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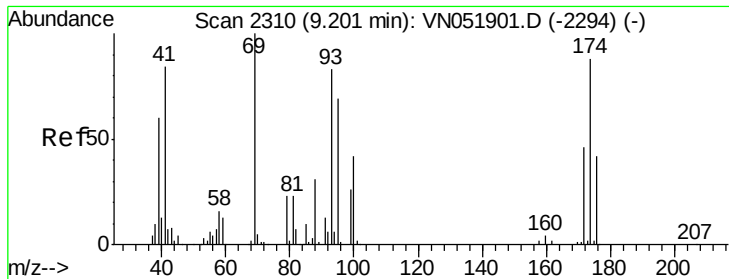
MMDadoda
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#48
Methyl methacrylate
Concen: 51.29 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	111.0	90.2	135.2
39	74.5	59.7	89.5





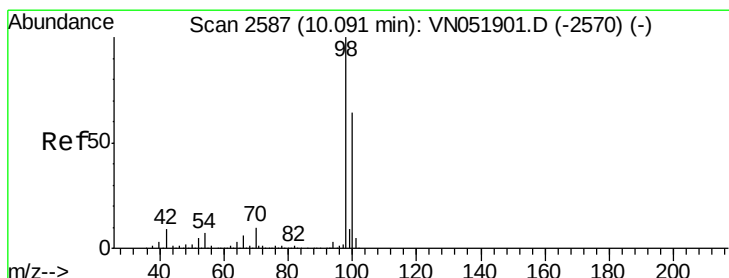
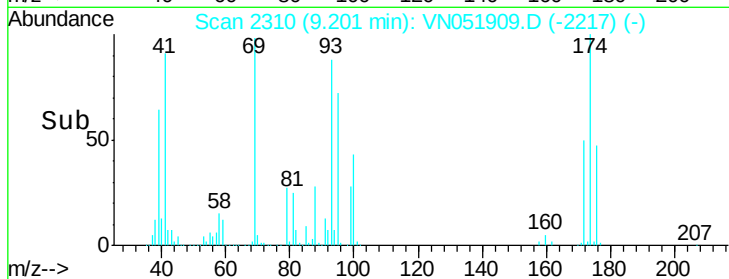
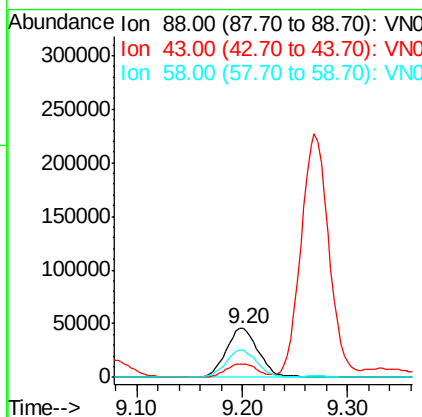
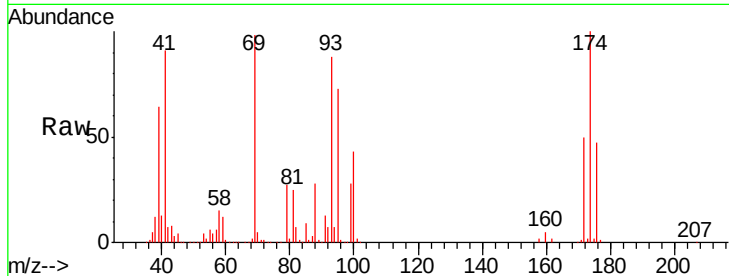
#49
1,4-Dioxane
Concen: 963.98 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	24.2	19.7	29.5
58	53.3	42.6	64.0

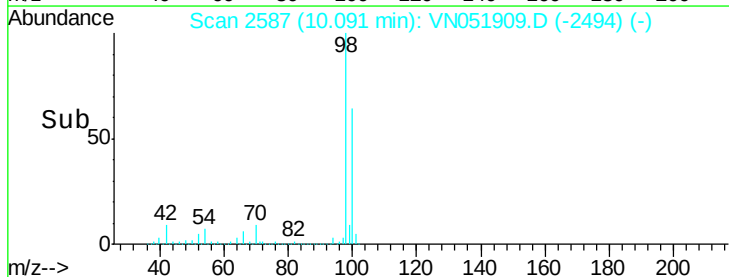
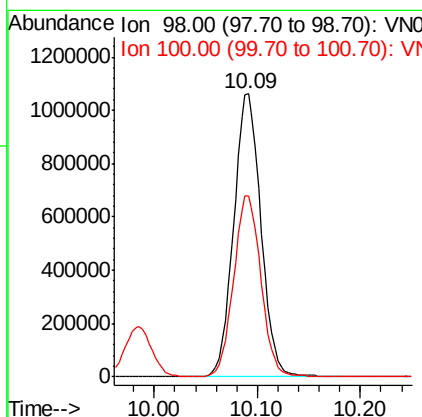
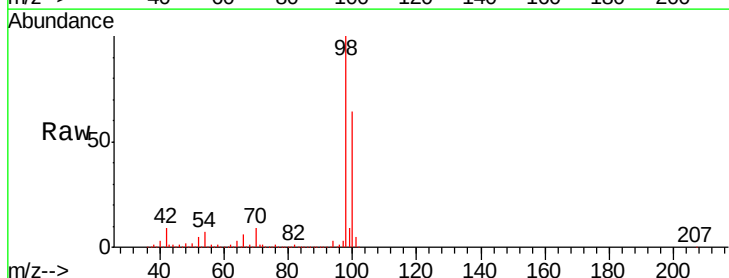
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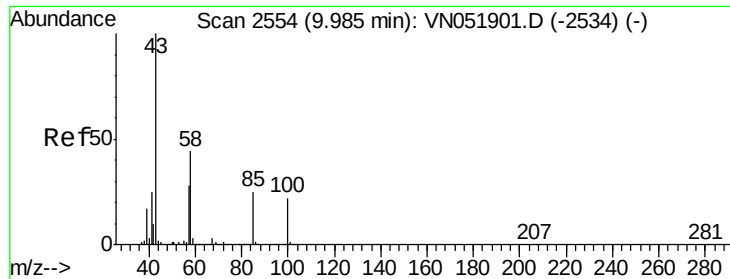
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#50
Toluene-d8
Concen: 963.98 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 256.22 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1574676

Ion Ratio Lower Upper

43 100

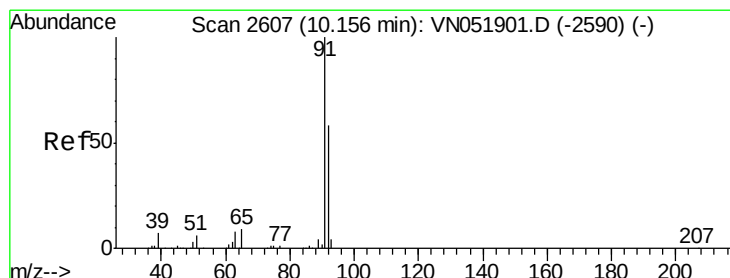
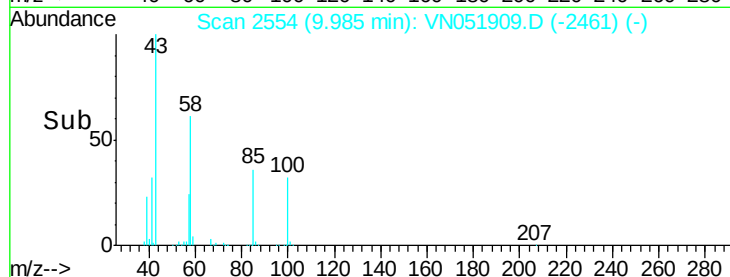
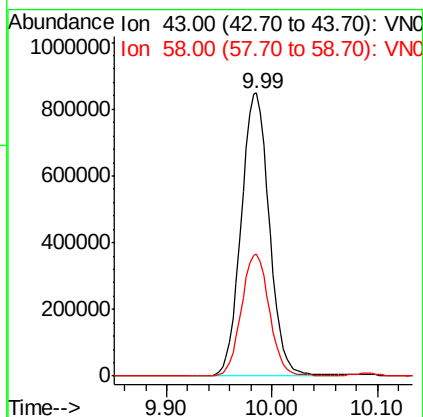
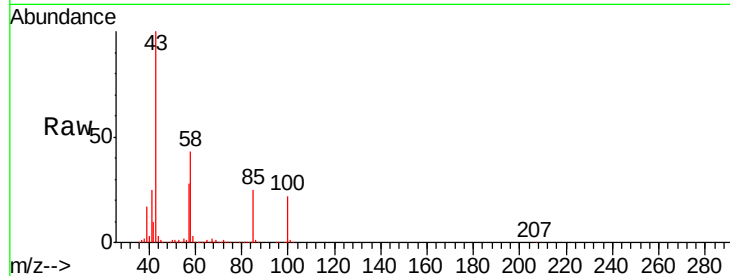
58 42.9 34.6 52.0

Manual Integrations

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#52

Toluene

Concen: 52.58 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051909.D

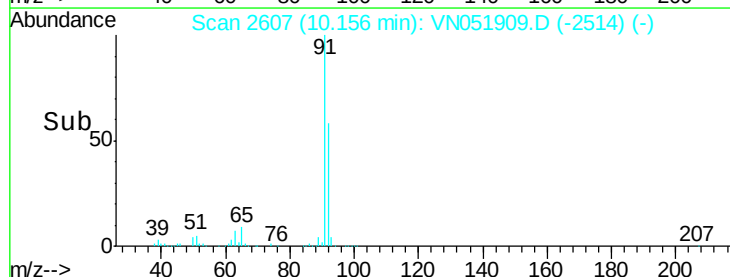
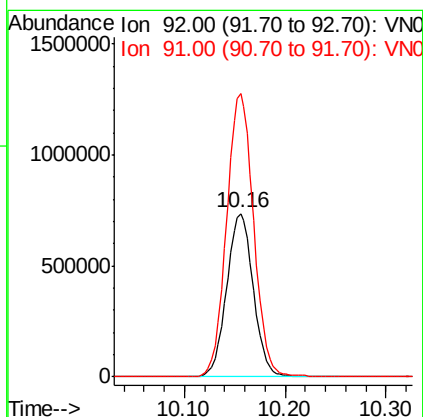
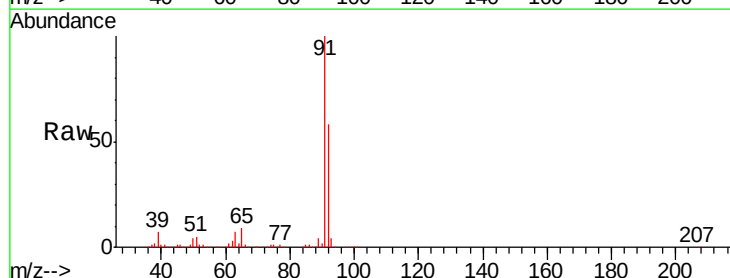
Acq: 18 Oct 2018 11:53

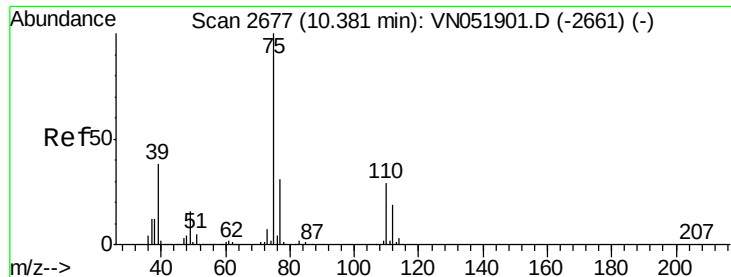
Tgt Ion: 92 Resp: 1356492

Ion Ratio Lower Upper

92 100

91 175.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 54.42 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 702657

Ion Ratio Lower Upper

75 100

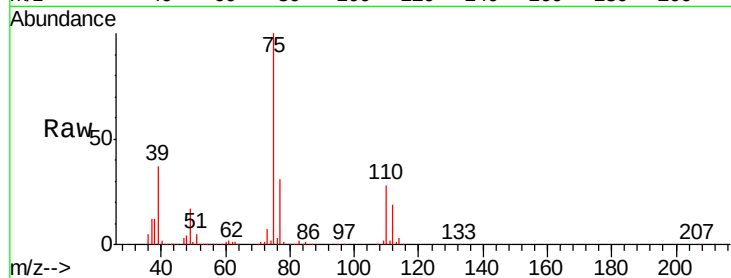
77 31.4 25.4 38.0

Manual Integrations

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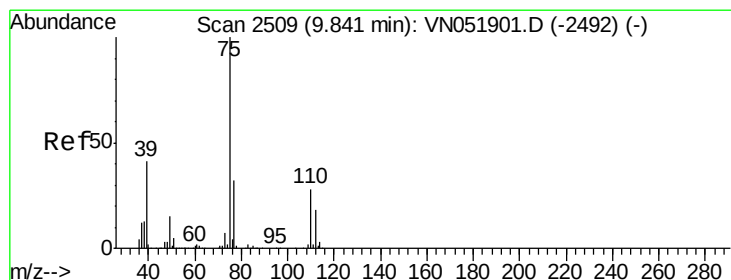
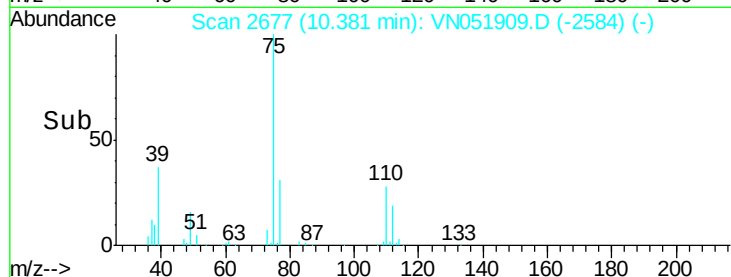
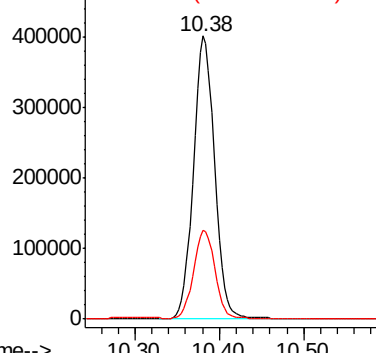
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.50 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

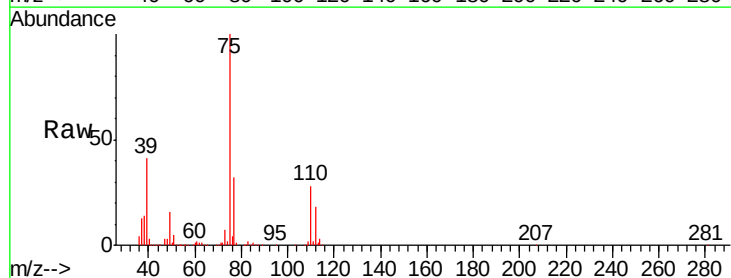
Tgt Ion: 75 Resp: 770183

Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

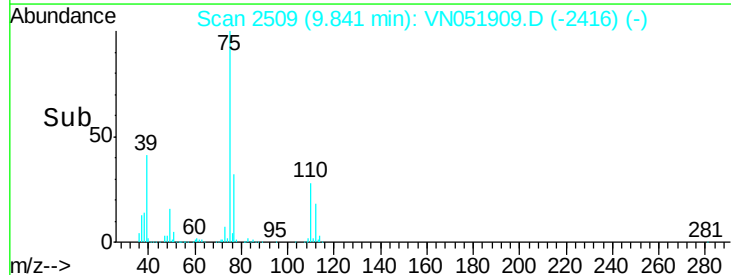
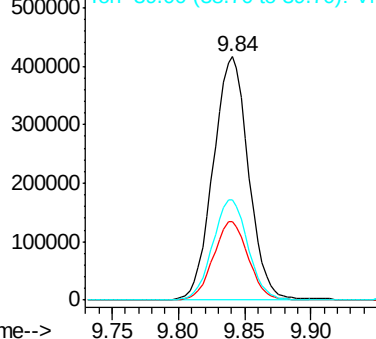
39 41.3 32.8 49.2

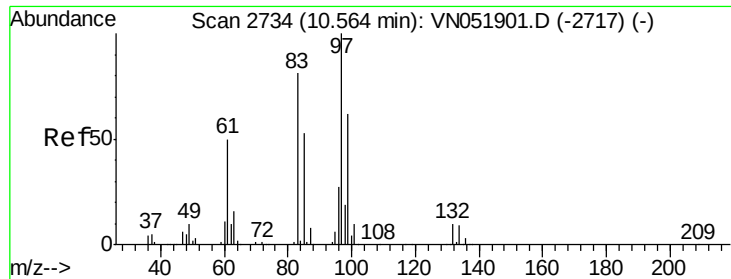


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.30 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

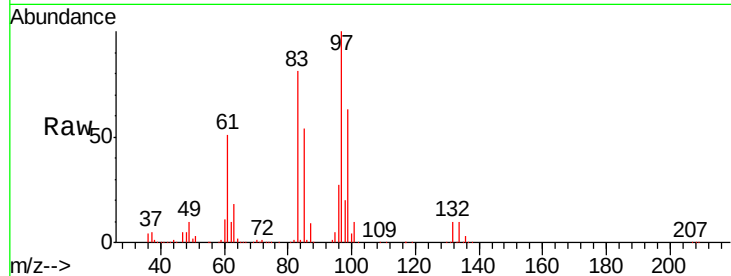
ClientSampleId :

VSTDCCC050

Tgt Ion:	97	Resp:	494449
Ion	Ratio	Lower	Upper
97	100		
83	81.0	64.6	96.8
85	53.8	42.3	63.5
99	62.5	49.7	74.5

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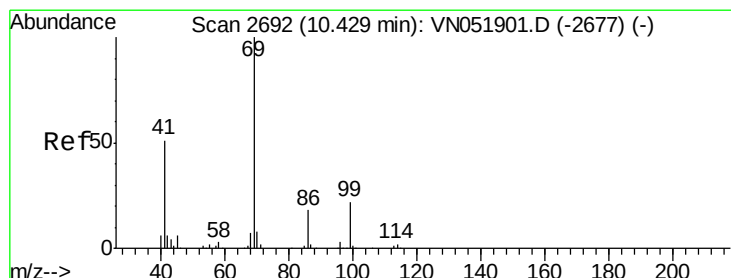
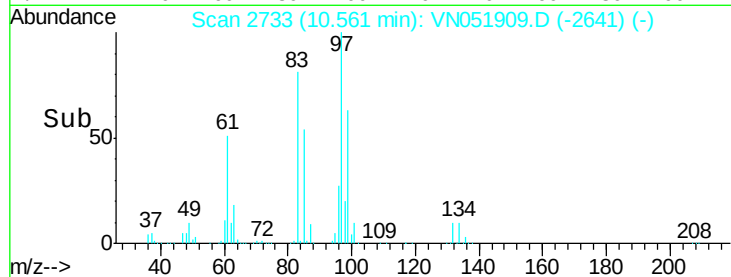
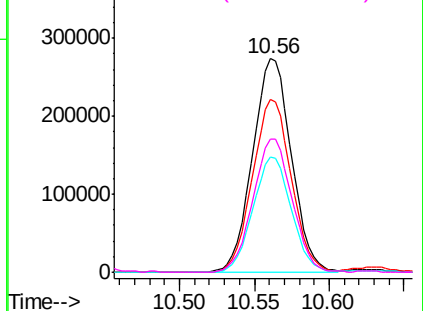
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.04 ug/l

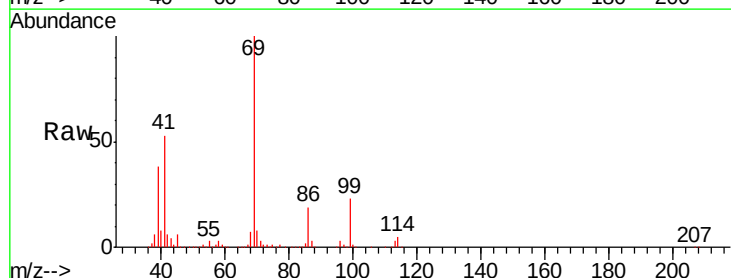
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion:	69	Resp:	550017
Ion	Ratio	Lower	Upper
69	100		
41	51.8	40.6	61.0
39	36.6	29.4	44.0

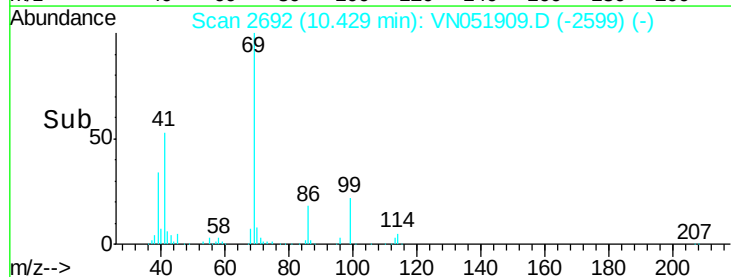
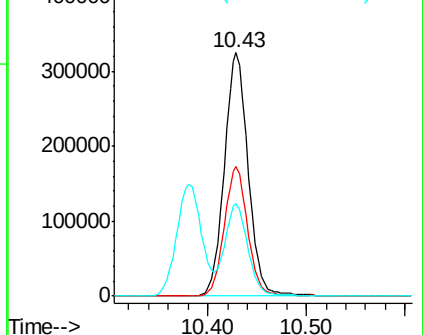


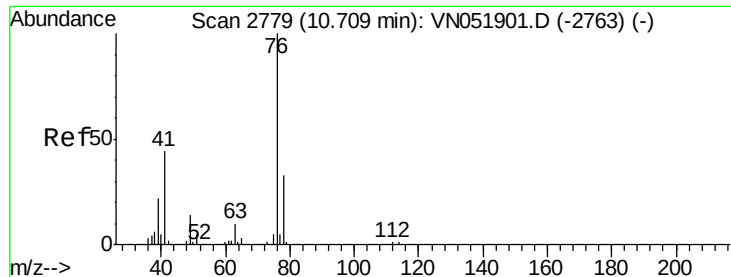
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





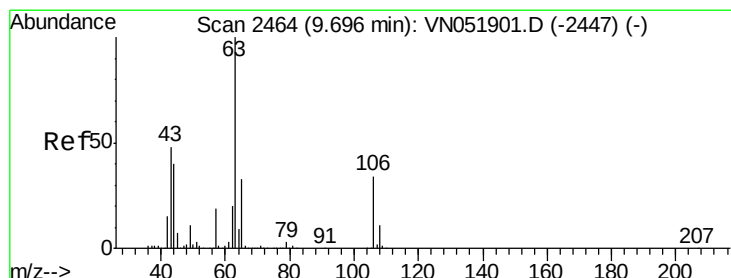
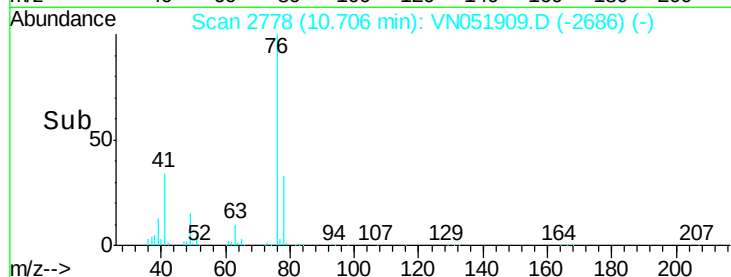
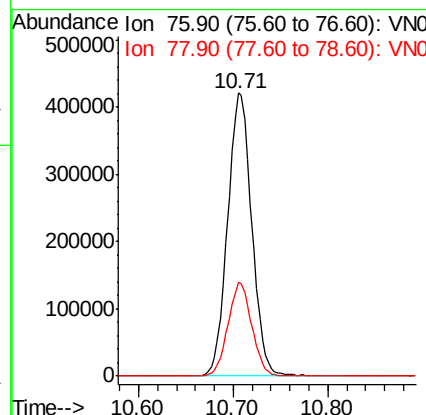
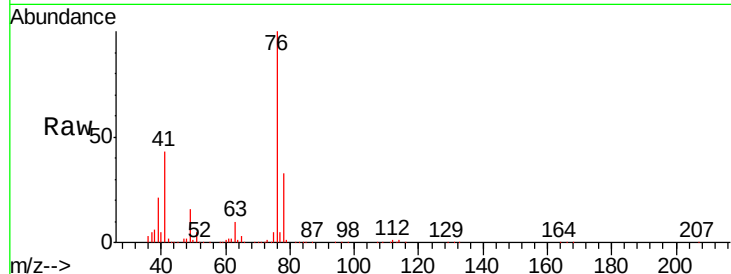
#57
 1,3-Dichloropropane
 Concen: 51.97 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 748019
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6

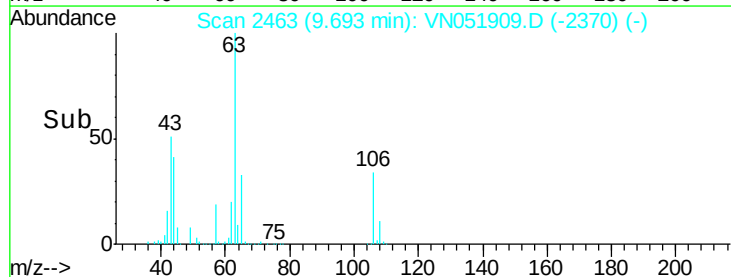
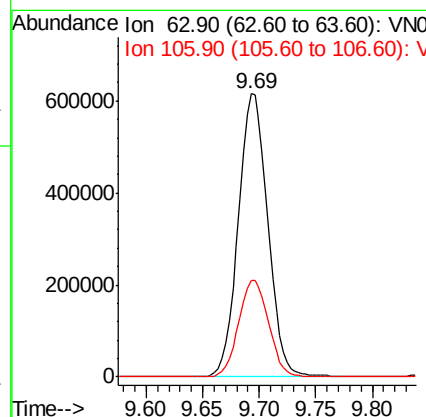
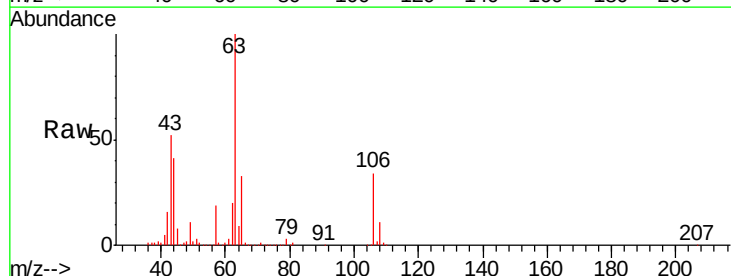
Manual Integrations
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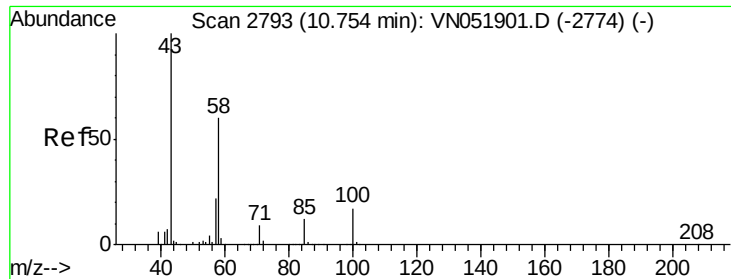
MMDadoda
 10/19/2018 4:37:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.09 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 63 Resp: 1118320
 Ion Ratio Lower Upper
 63 100
 106 34.7 27.5 41.3





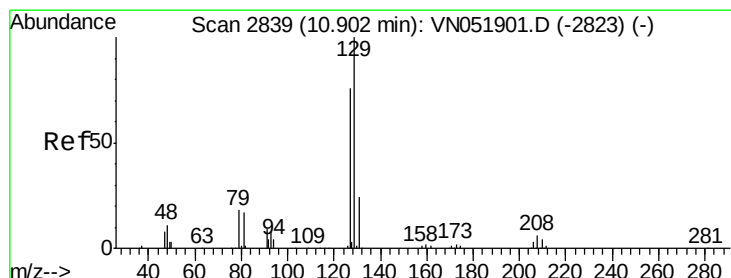
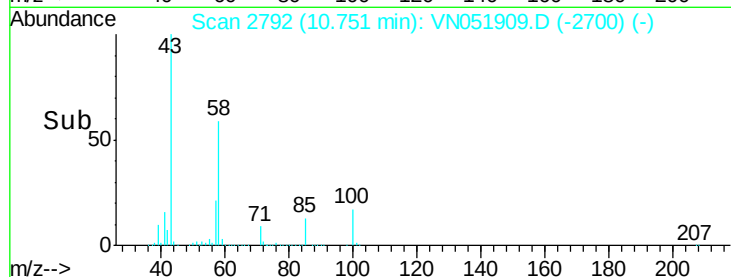
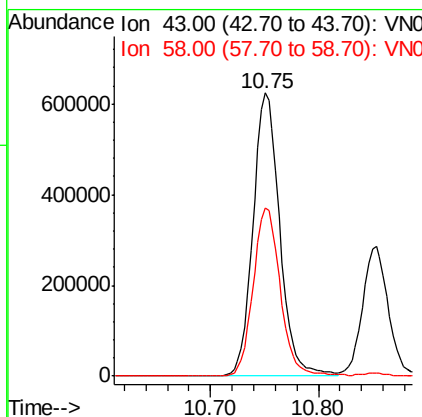
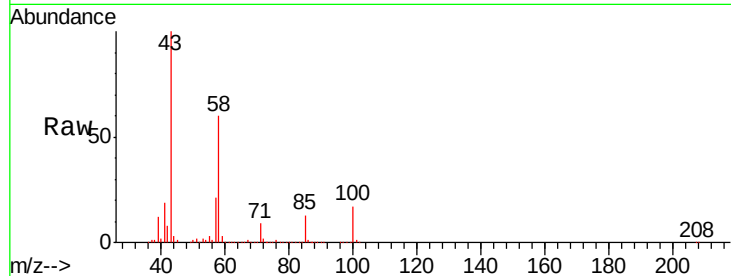
#59
2-Hexanone
Concen: 260.54 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1073662
Ion Ratio Lower Upper
43 100
58 60.3 29.8 89.5

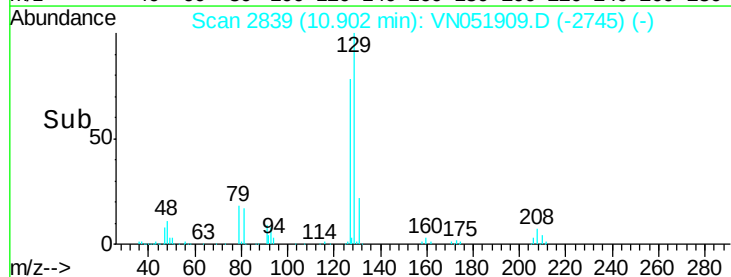
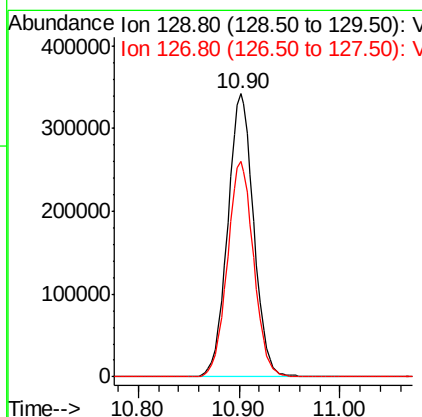
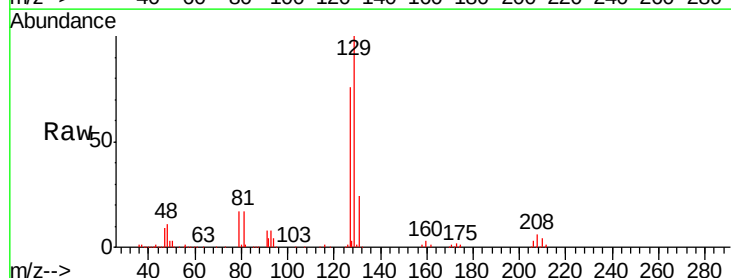
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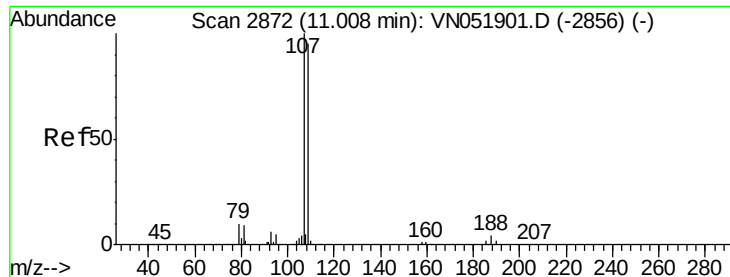
MMDadoda
10/19/2018 4:37:53 PM



#60
Dibromochloromethane
Concen: 48.49 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 129 Resp: 613571
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 52.86 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 524094

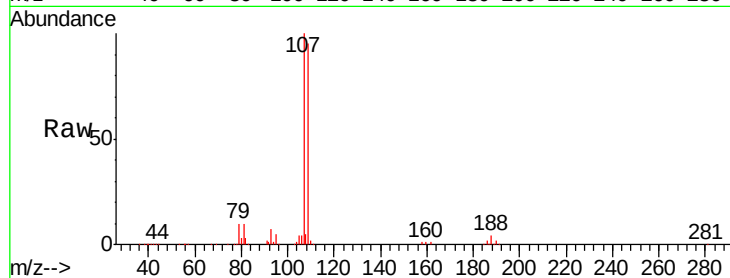
Ion Ratio Lower Upper

107 100

109 94.6 75.0 112.6

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

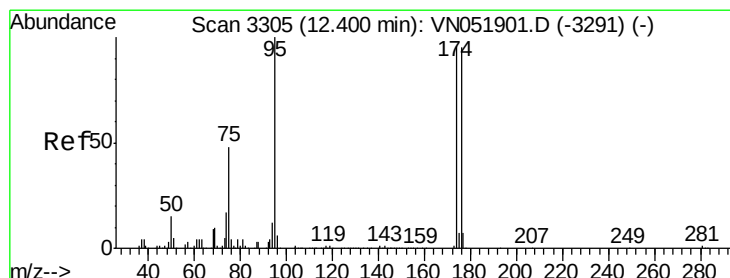
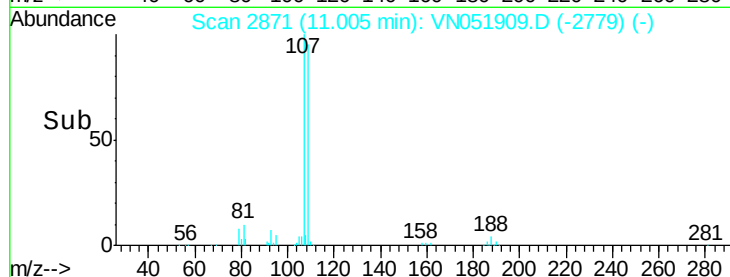
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.86 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

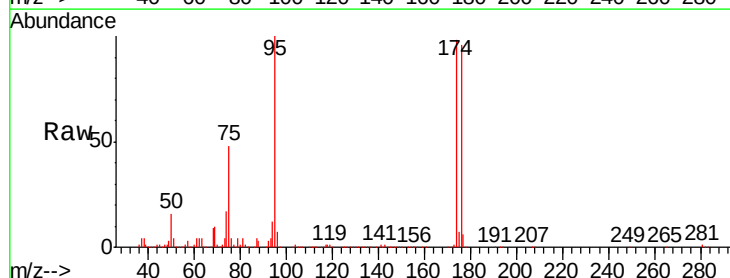
Tgt Ion: 95 Resp: 679808

Ion Ratio Lower Upper

95 100

174 99.1 0.0 195.0

176 96.2 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

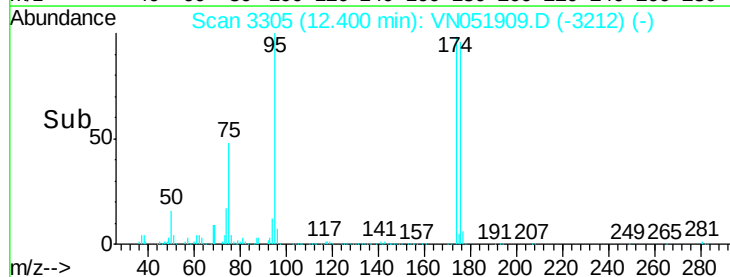
300000

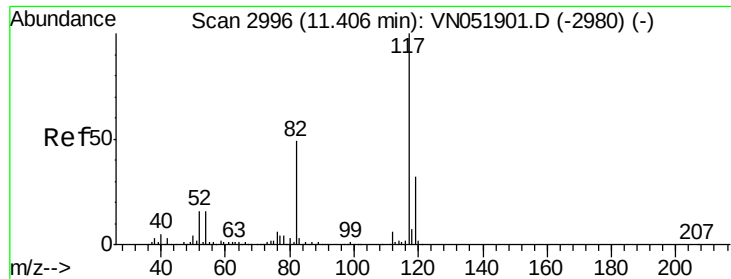
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

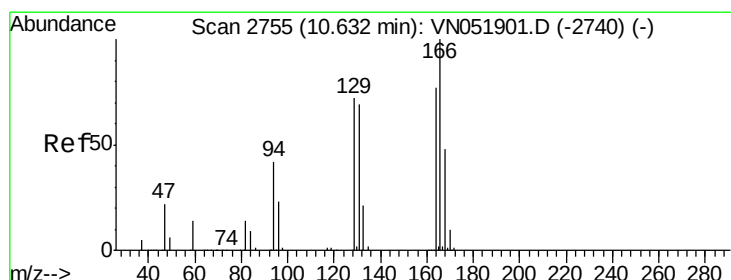
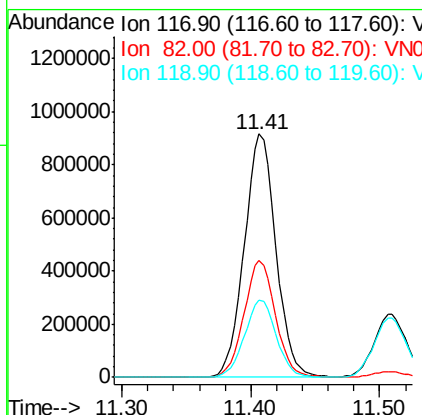
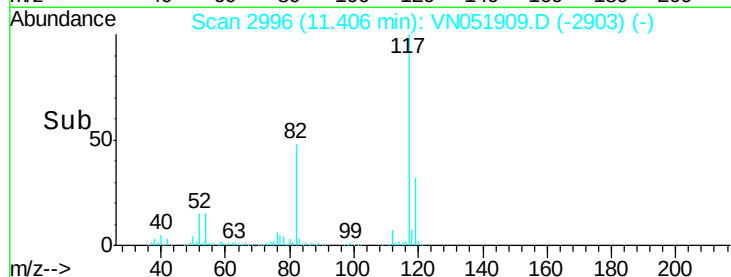
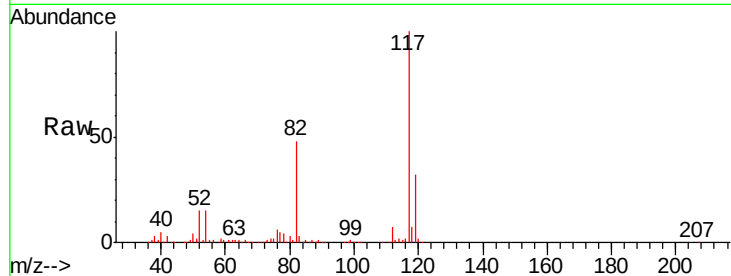
ClientSampleId :

VSTDCCC050

Tgt Ion:	117	Resp:	1565654
Ion	Ratio	Lower	Upper
117	100		
82	48.1	38.9	58.3
119	31.9	25.9	38.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 50.13 ug/l

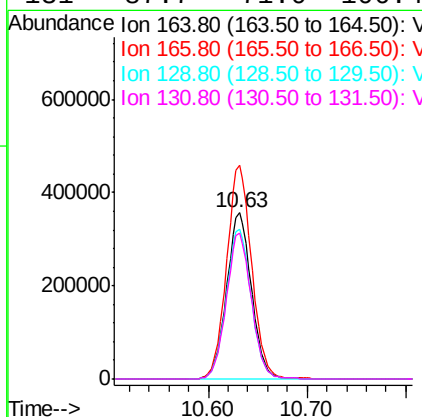
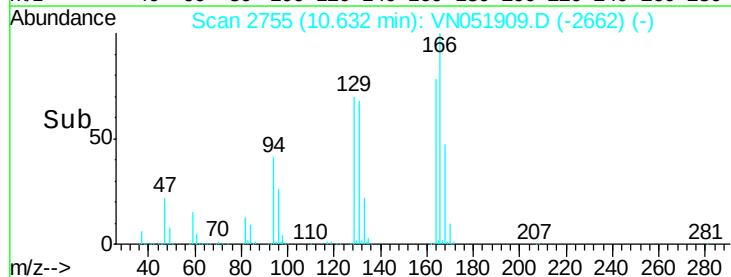
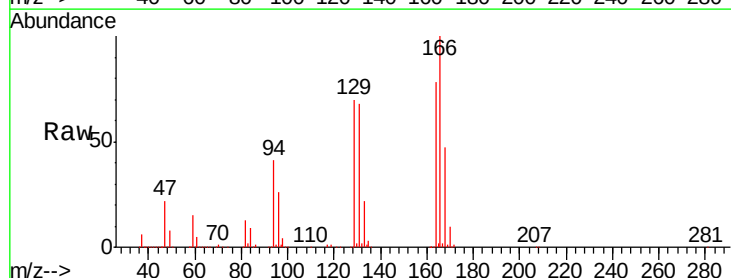
RT: 10.63 min Scan# 2755

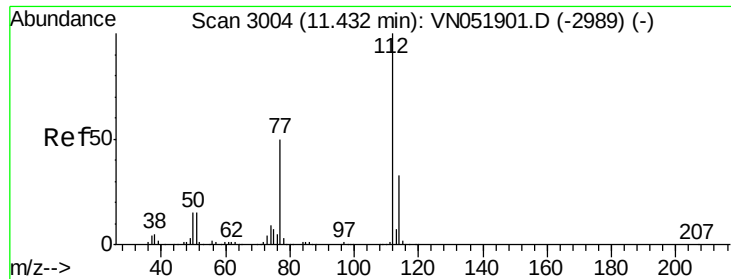
Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion:	164	Resp:	629978
Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.4	155.0
129	90.3	73.9	110.9
131	87.7	71.0	106.4





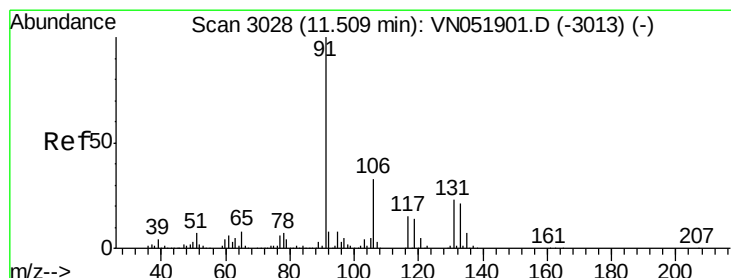
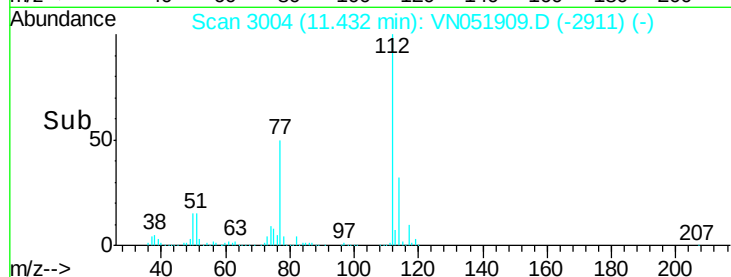
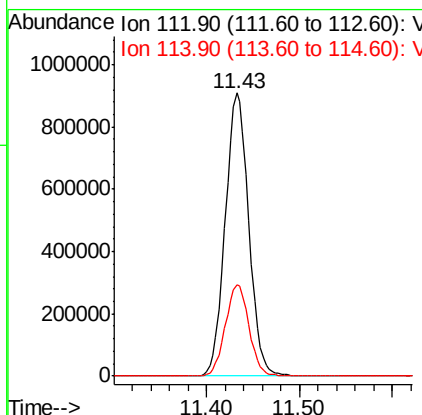
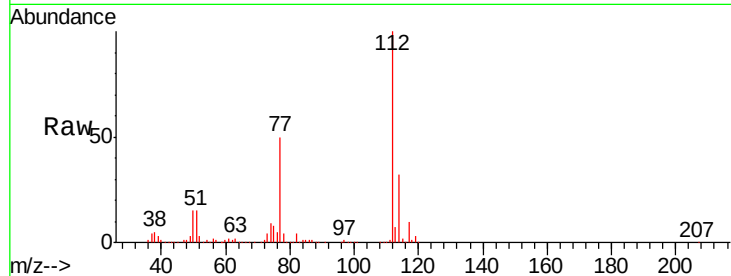
#65
Chlorobenzene
Concen: 50.92 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1593907
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6

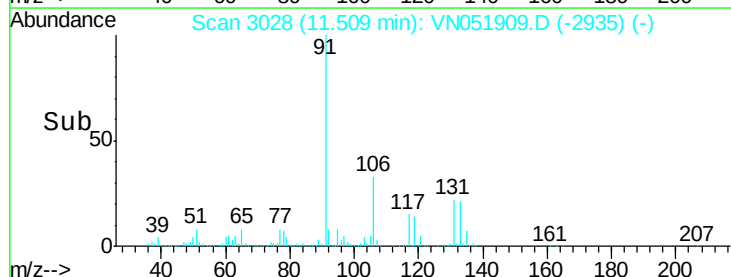
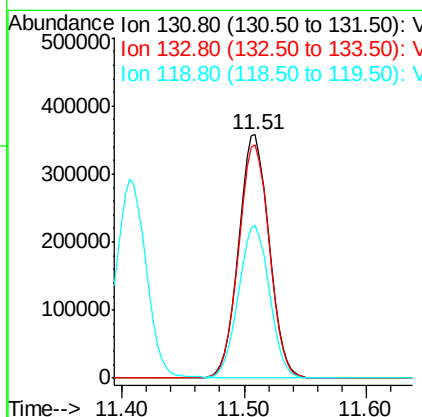
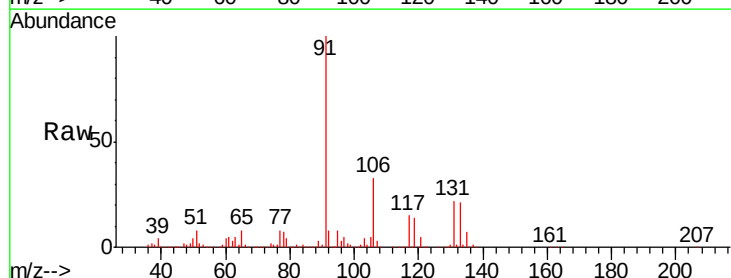
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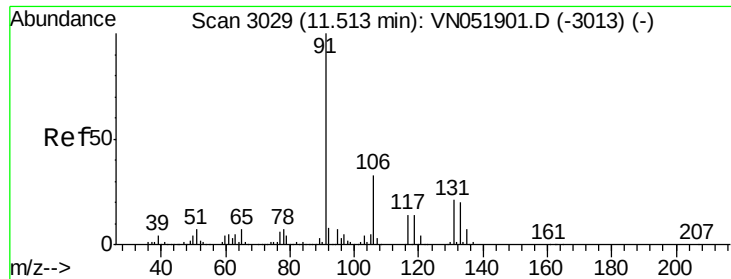
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.96 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion:131 Resp: 617115
Ion Ratio Lower Upper
131 100
133 96.6 47.5 142.6
119 63.4 32.1 96.5





#67

Ethyl Benzene

Concen: 51.99 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2666128

Ion Ratio Lower Upper

91 100

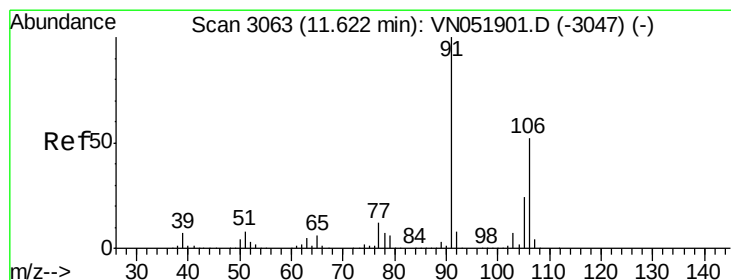
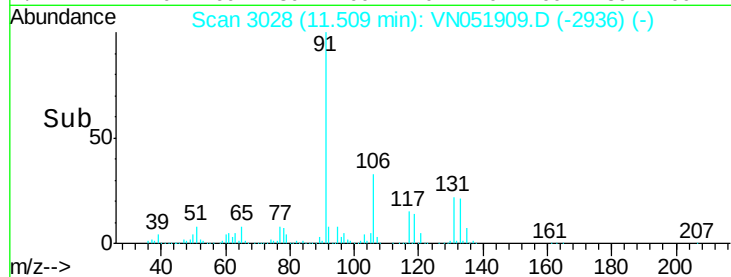
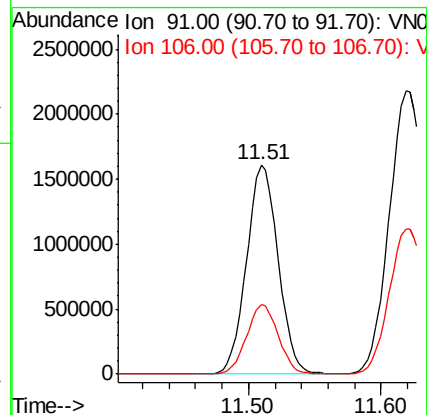
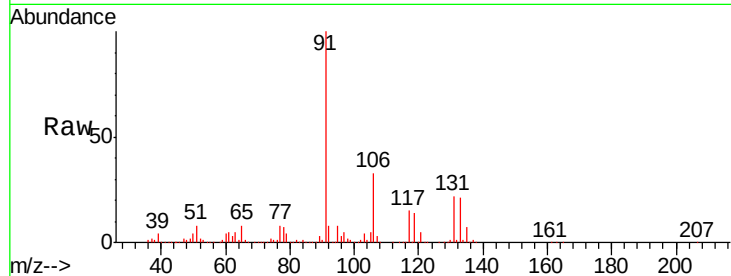
106 33.1 26.6 39.8

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 106.54 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051909.D

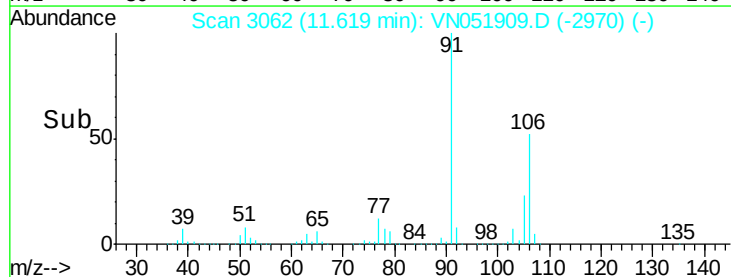
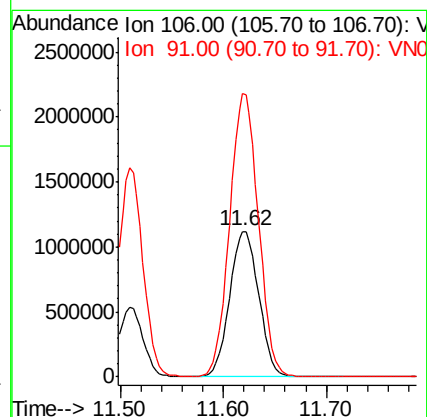
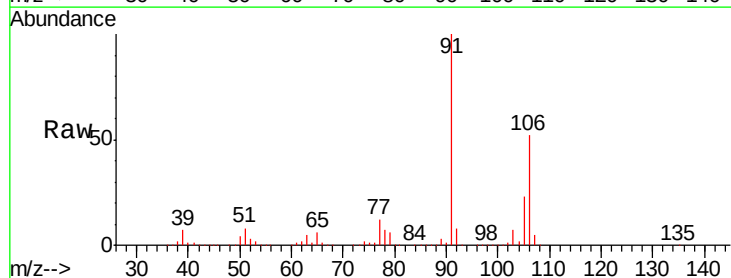
Acq: 18 Oct 2018 11:53

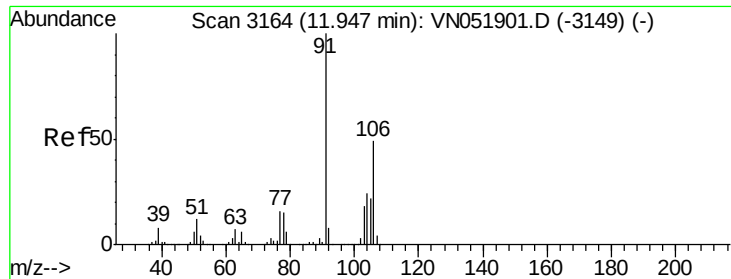
Tgt Ion: 106 Resp: 2193651

Ion Ratio Lower Upper

106 100

91 192.4 153.6 230.4





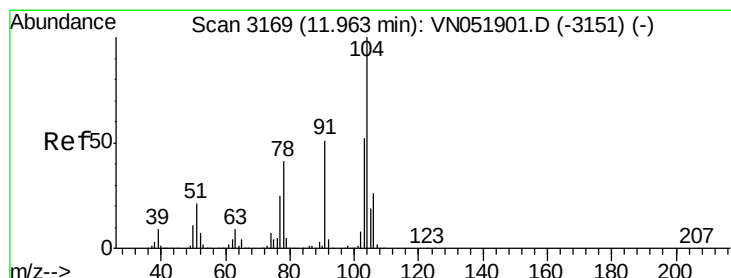
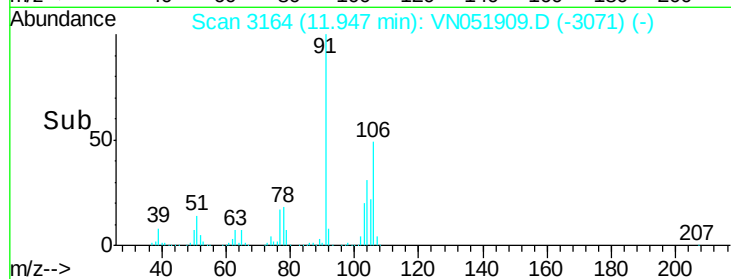
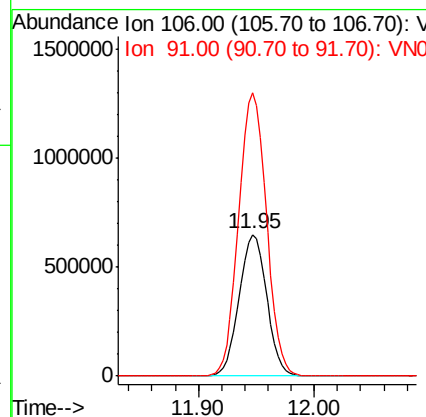
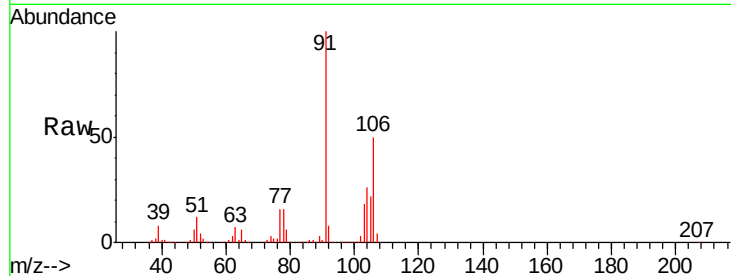
#69
o-Xylene
Concen: 53.49 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1073320
Ion Ratio Lower Upper
106 100
91 201.6 100.7 302.1

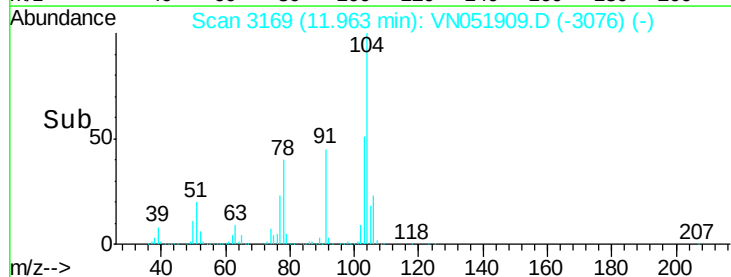
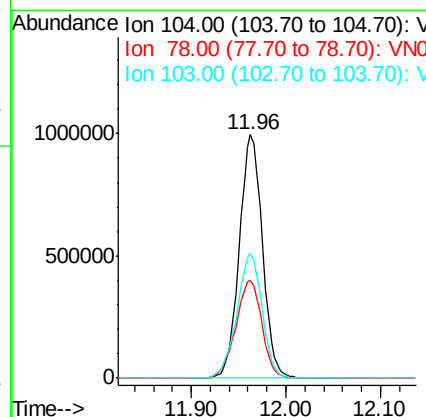
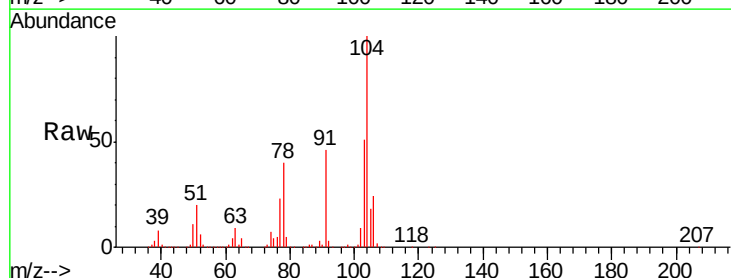
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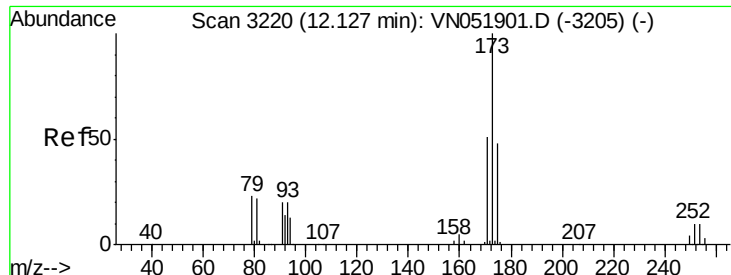
MMDadoda
10/19/2018 4:37:53 PM



#70
Styrene
Concen: 54.64 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion:104 Resp: 1686518
Ion Ratio Lower Upper
104 100
78 45.3 36.6 55.0
103 55.9 44.6 67.0





#71

Bromoform

Concen: 46.94 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 409623

Ion Ratio Lower Upper

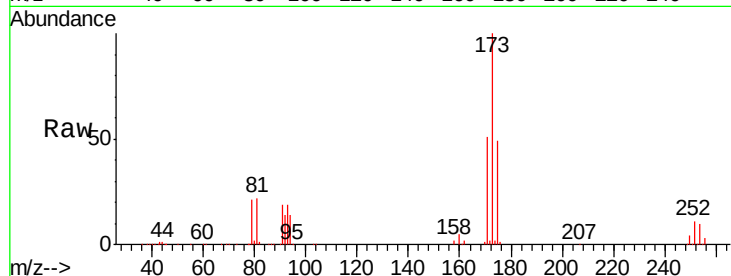
173 100

175 49.0 24.0 72.0

254 0.1 0.2 0.2#

Manual Integrations
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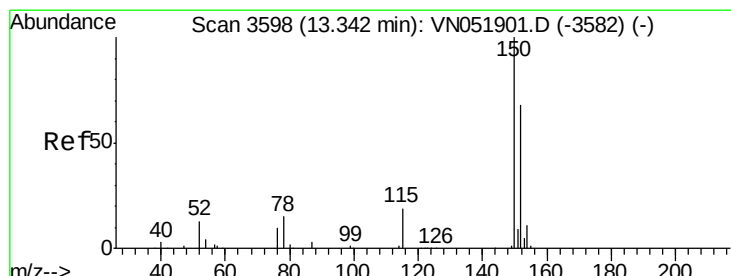
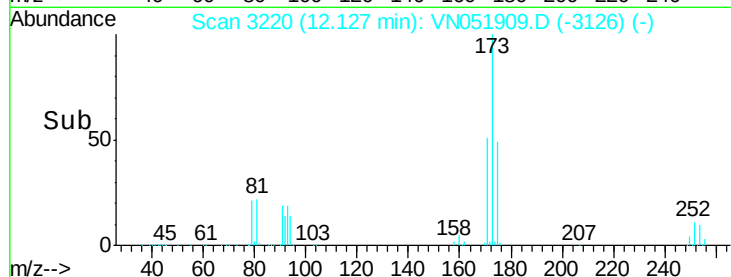
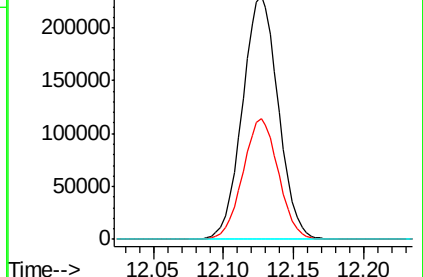
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

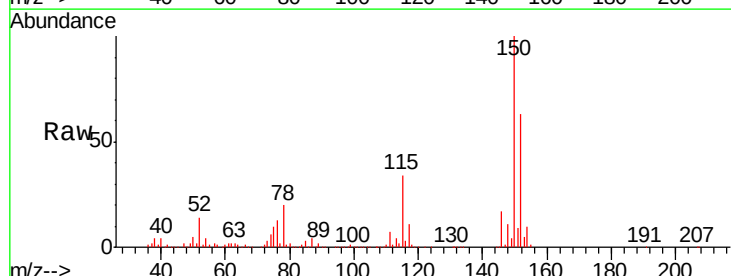
Tgt Ion:152 Resp: 794954

Ion Ratio Lower Upper

152 100

115 54.1 26.7 80.1

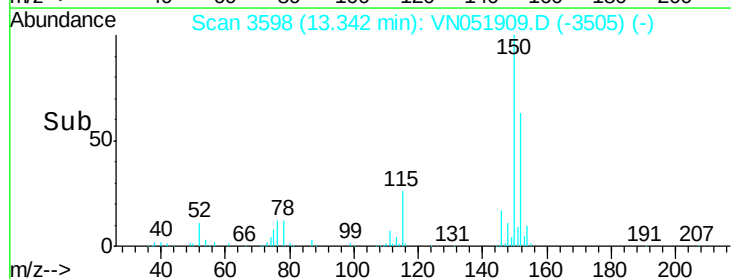
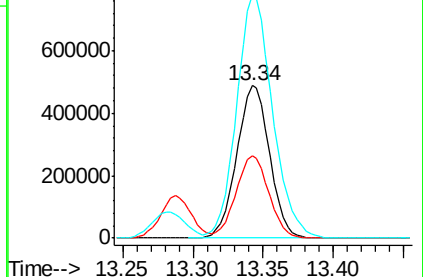
150 174.2 0.0 346.4

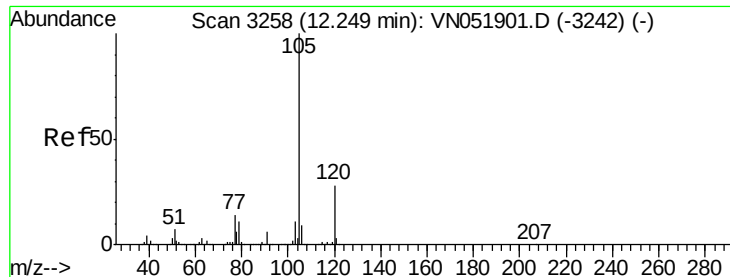


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.02 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2893814

Ion Ratio Lower Upper

105 100

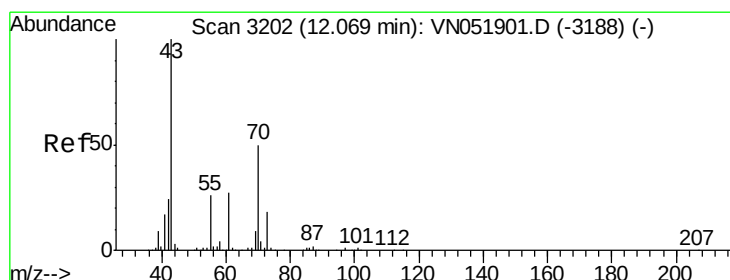
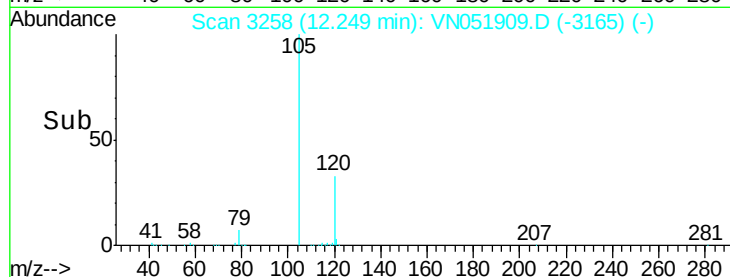
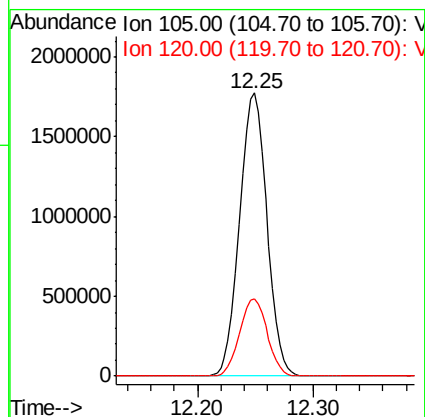
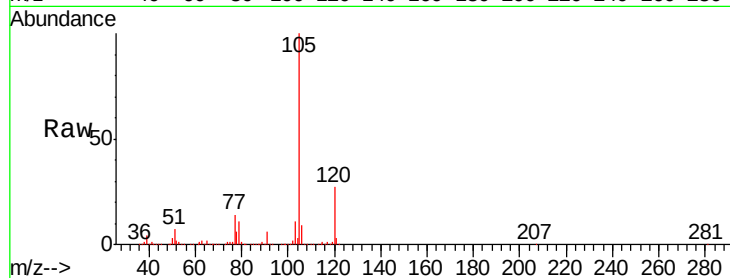
120 27.7 14.0 41.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.65 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion: 43 Resp: 504179

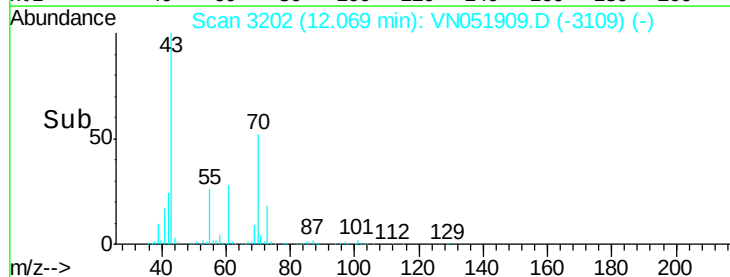
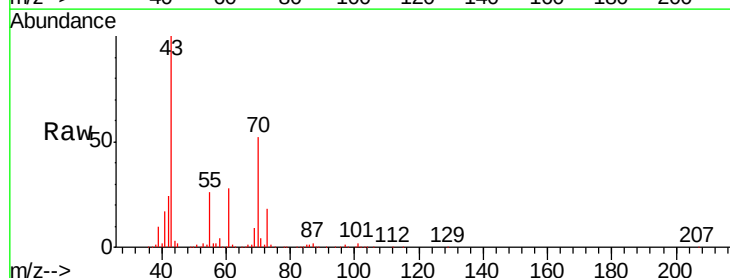
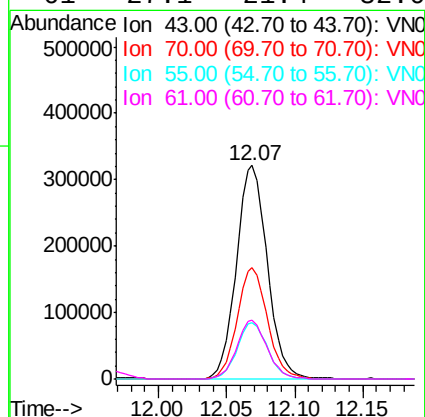
Ion Ratio Lower Upper

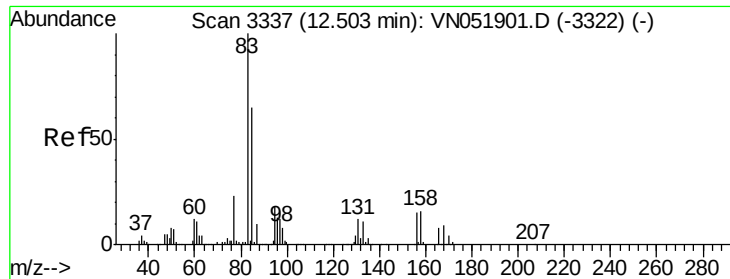
43 100

70 51.5 40.1 60.1

55 26.3 21.0 31.4

61 27.1 21.4 32.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.06 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 572849
Ion Ratio Lower Upper

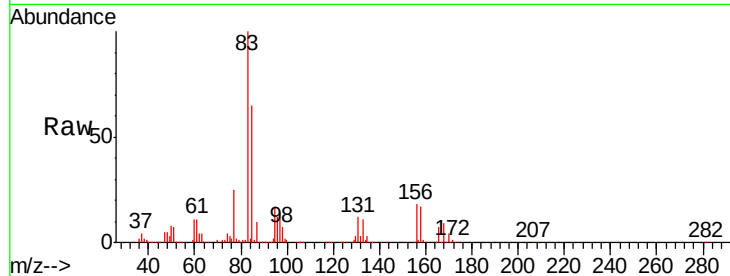
83 100

131 12.1 6.2 18.6

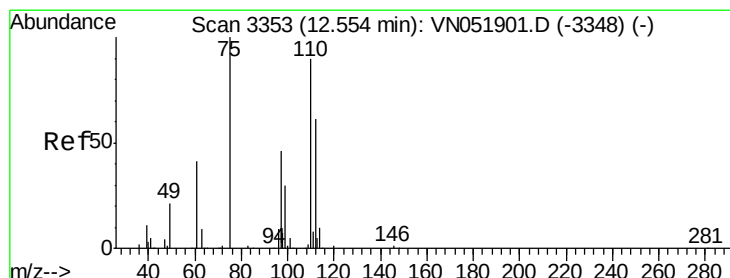
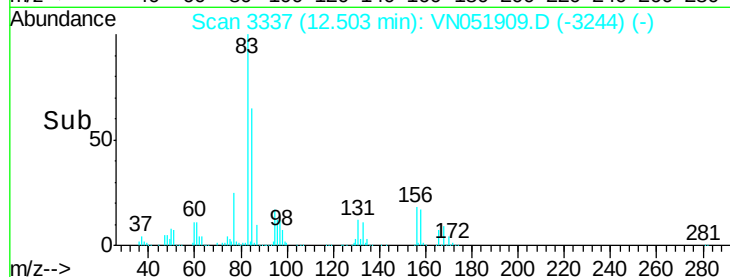
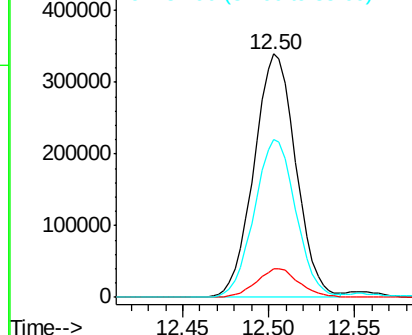
85 64.5 32.6 97.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 46.61 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

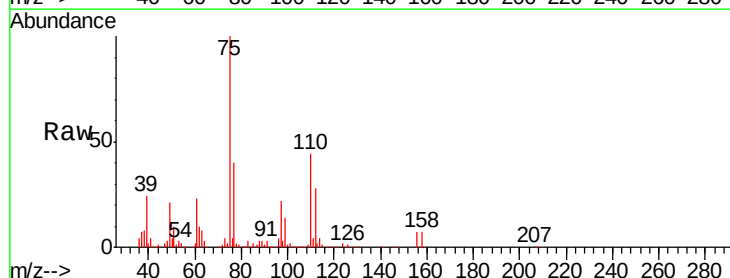
Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

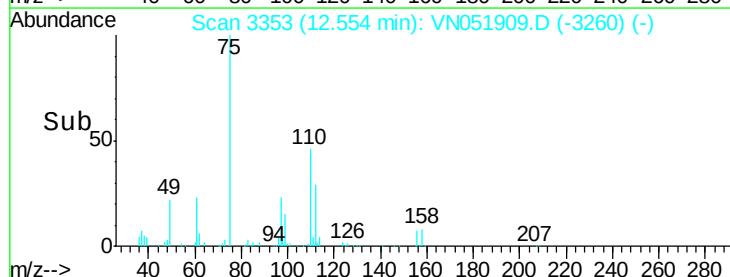
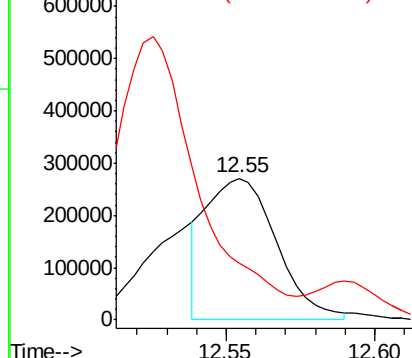
Tgt Ion: 75 Resp: 450367
Ion Ratio Lower Upper

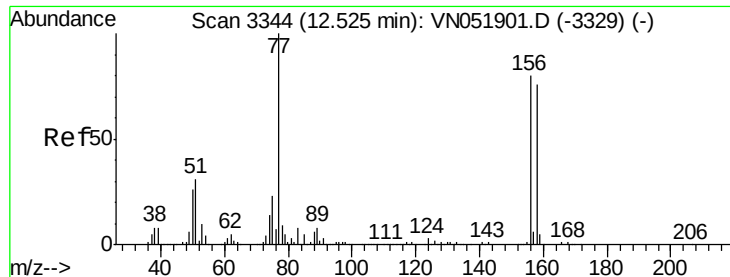
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.21 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

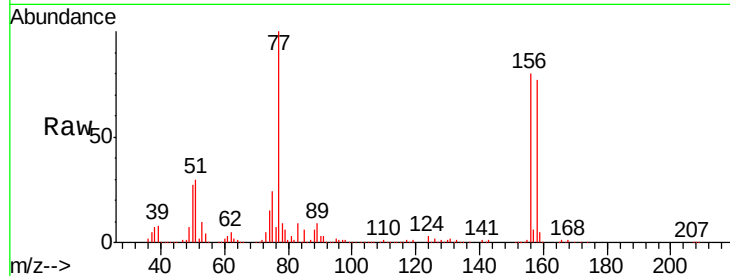
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	739346
Ion Ratio	Lower	Upper	
156	100		
77	147.3	73.0	219.0
158	97.9	48.4	145.0

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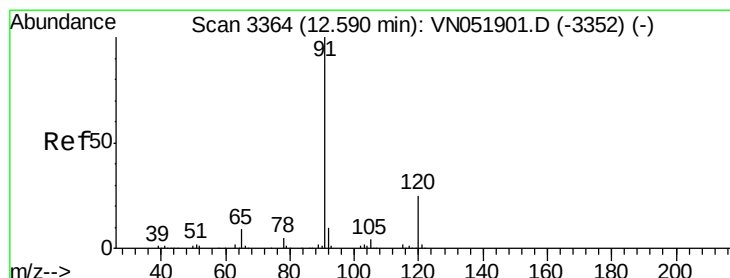
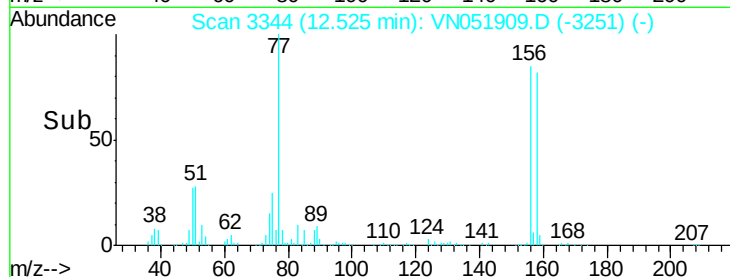
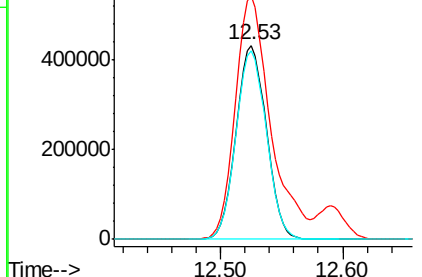
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.22 ug/l

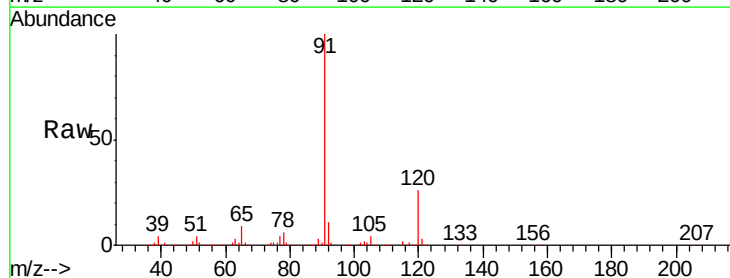
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051909.D

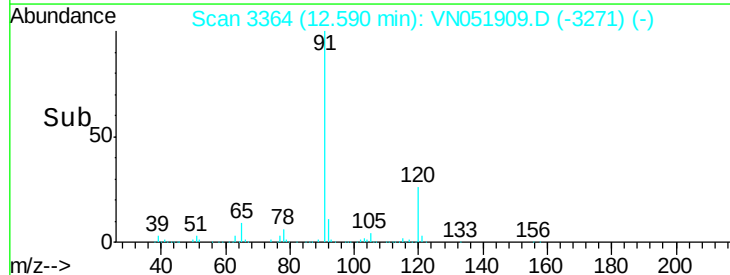
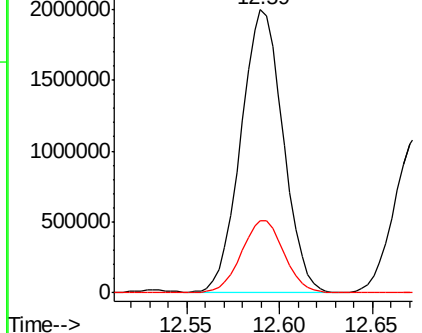
Acq: 18 Oct 2018 11:53

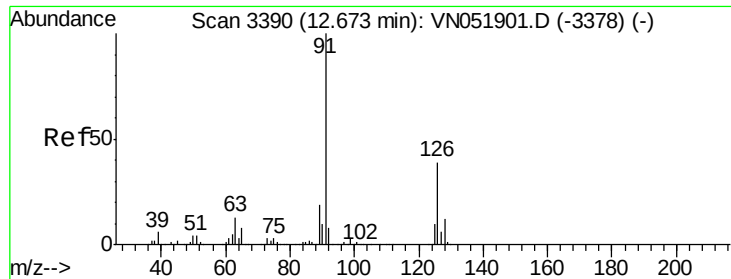
Tgt Ion:	91	Resp:	3152831
Ion Ratio	Lower	Upper	
91	100		
120	25.9	12.9	38.7



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.44 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1833998

Ion Ratio Lower Upper

91 100

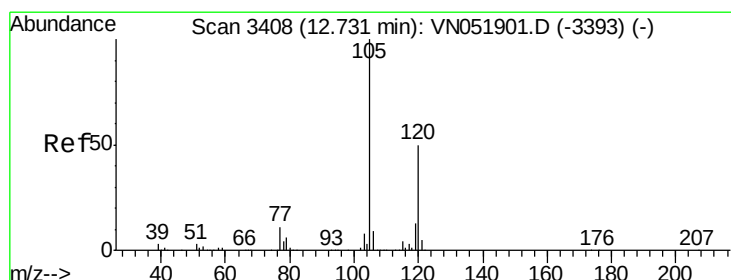
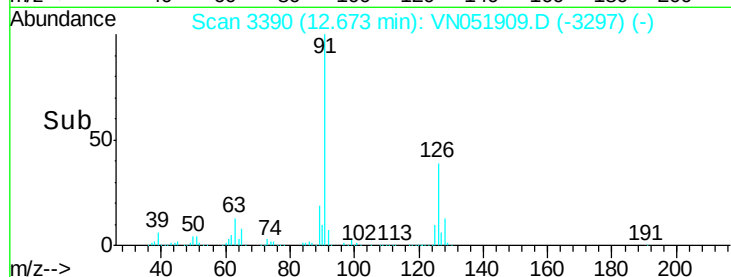
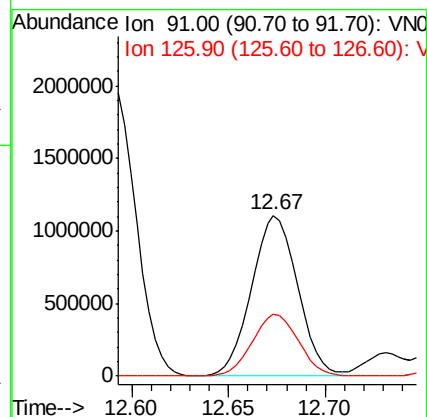
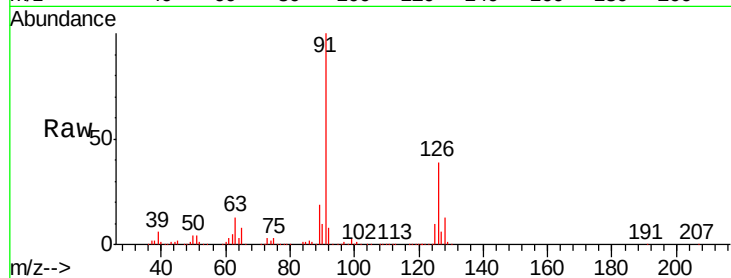
126 38.8 19.6 58.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.92 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051909.D

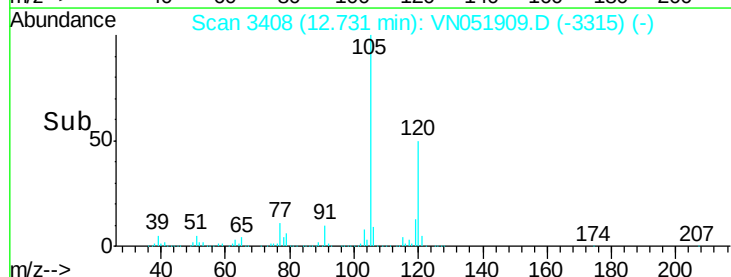
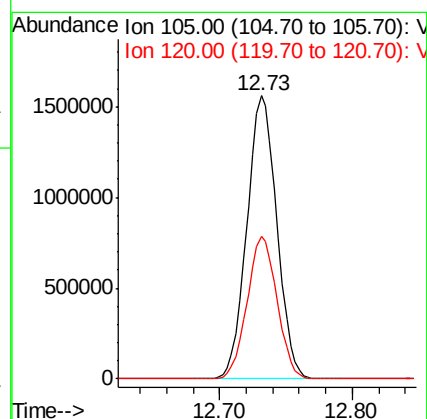
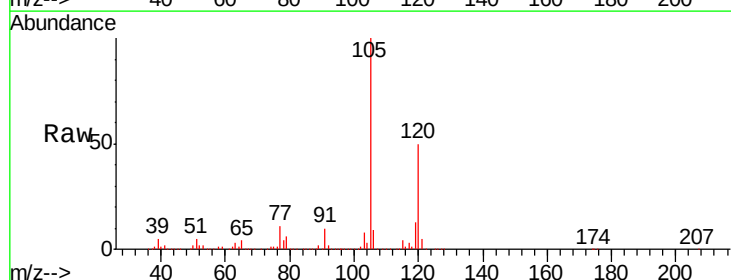
Acq: 18 Oct 2018 11:53

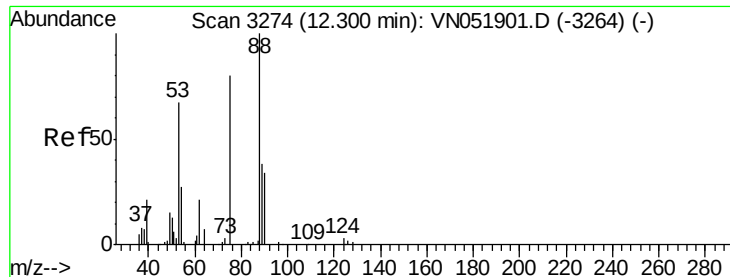
Tgt Ion: 105 Resp: 2433335

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.9





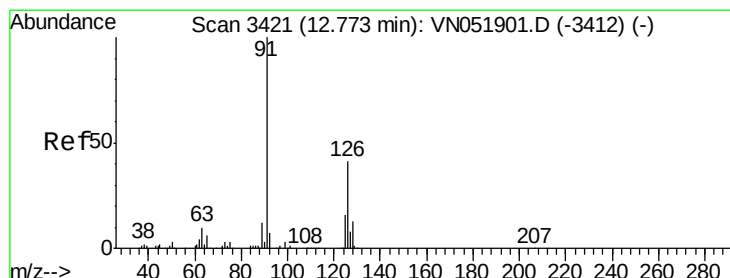
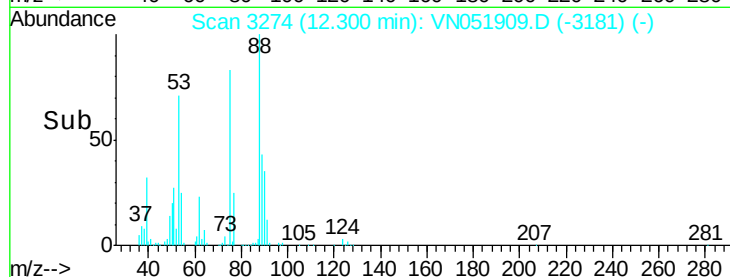
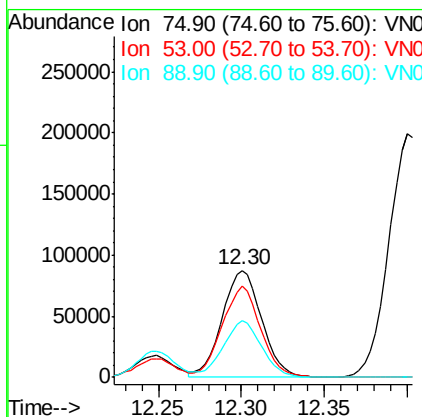
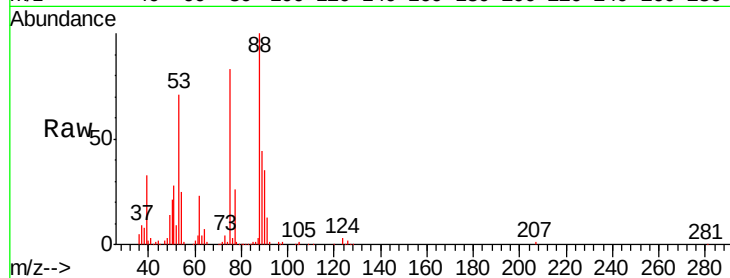
#81
trans-1,4-Dichloro-2-butene
Concen: 49.10 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	84.4	68.5	102.7
89	51.7	39.0	58.6

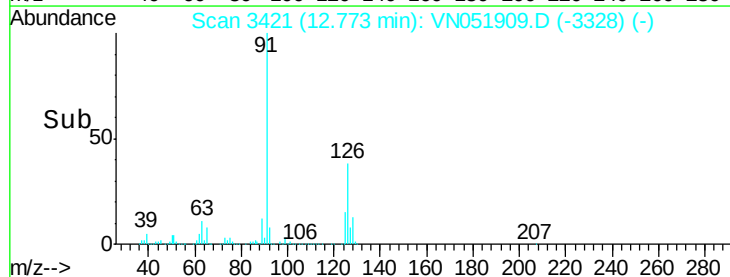
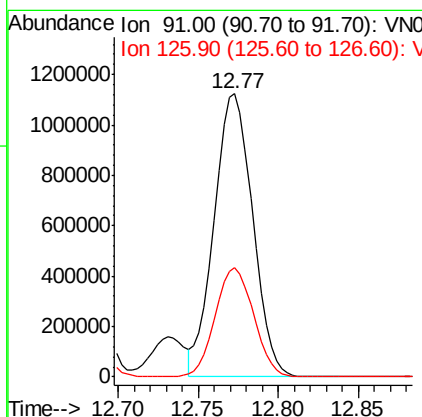
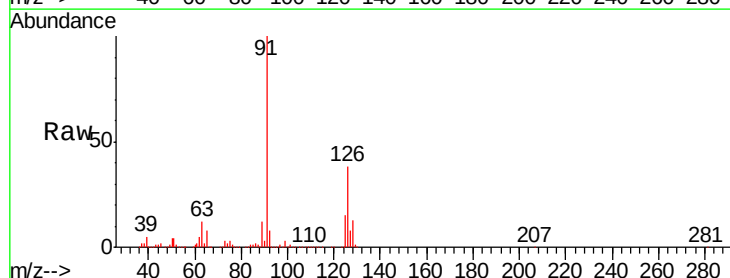
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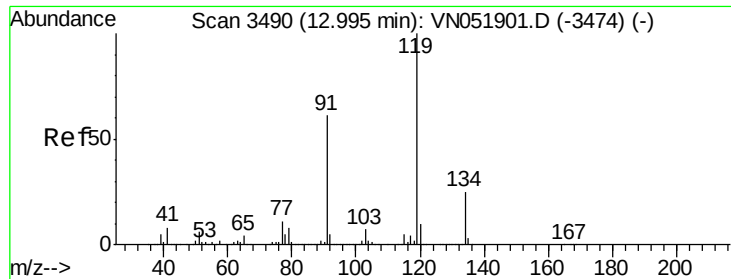
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#82
4-Chlorotoluene
Concen: 49.51 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.4	18.9	56.7





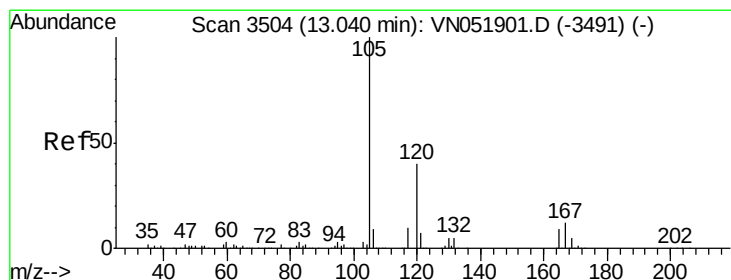
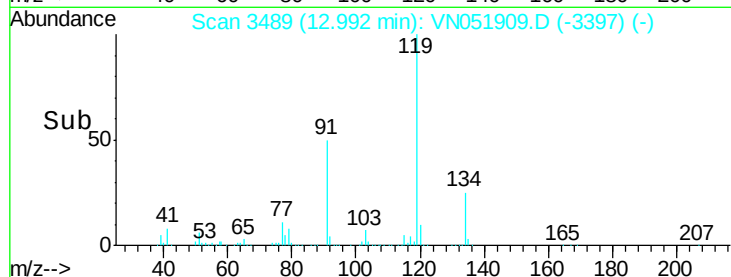
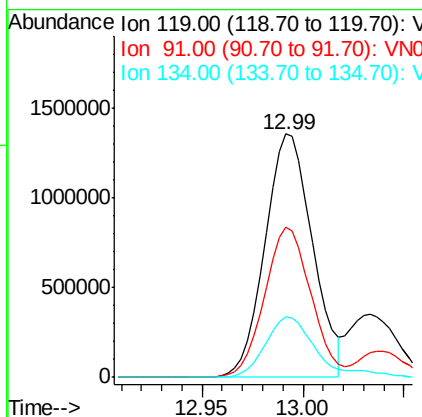
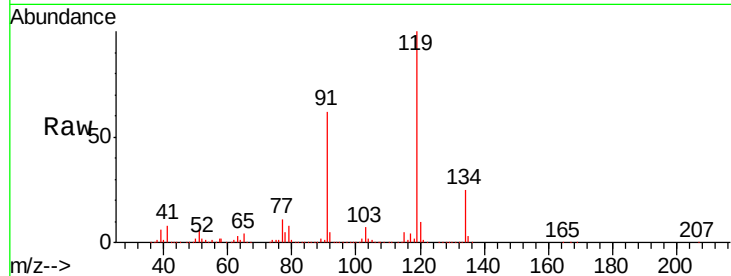
#83
 tert-Butylbenzene
 Concen: 47.48 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 2219384
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.3 90.9
 134 26.8 13.4 40.1

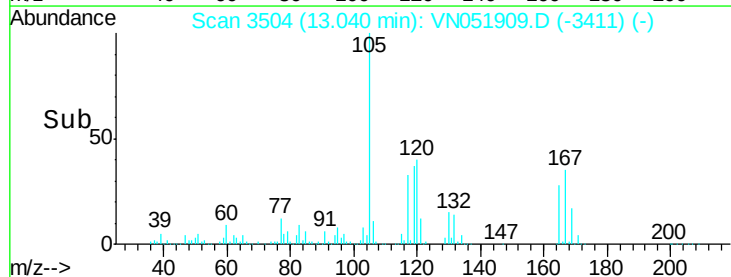
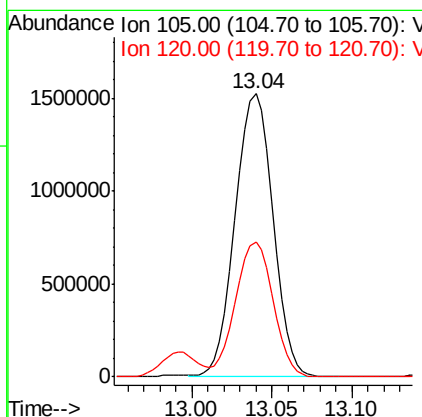
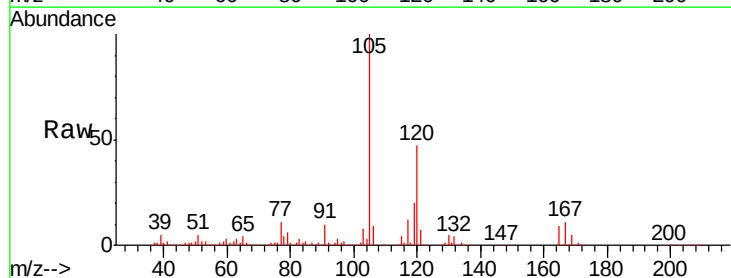
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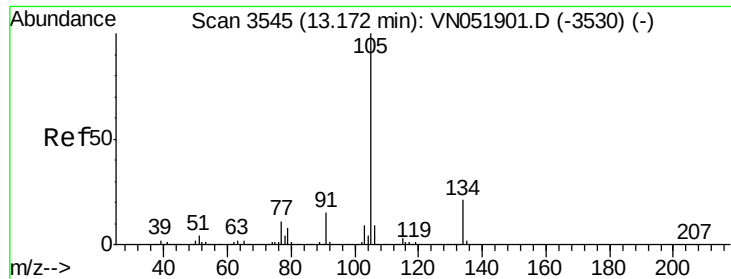
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.32 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion:105 Resp: 2461222
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.8 71.4





#85

sec-Butylbenzene

Concen: 50.35 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2992101

Ion Ratio Lower Upper

105 100

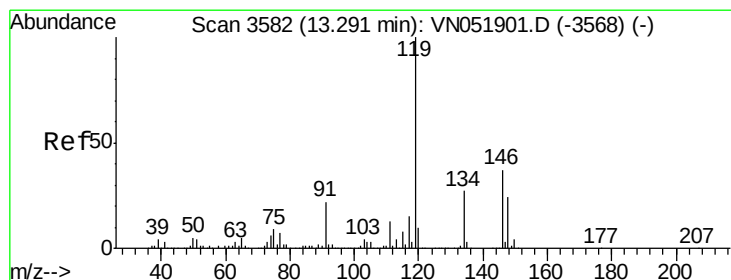
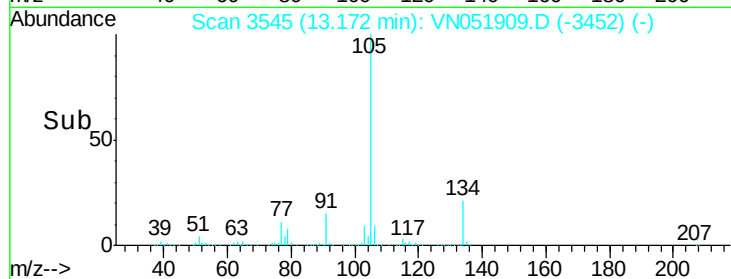
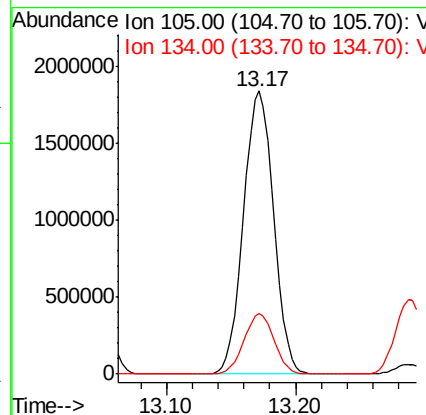
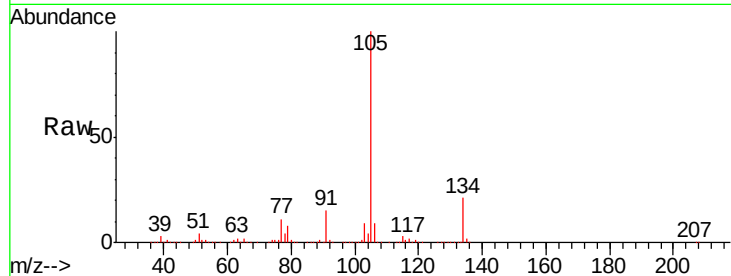
134 21.4 10.8 32.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.68 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

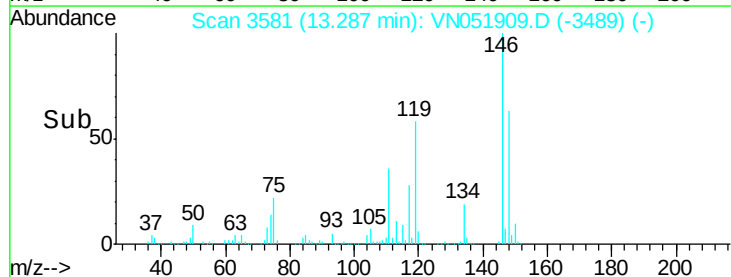
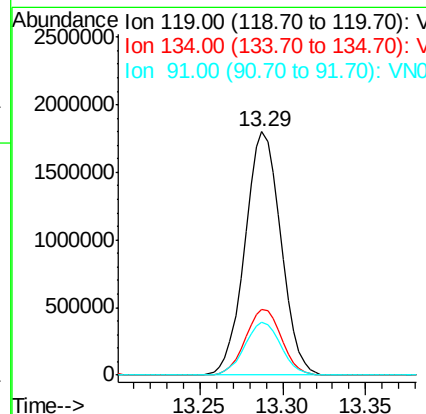
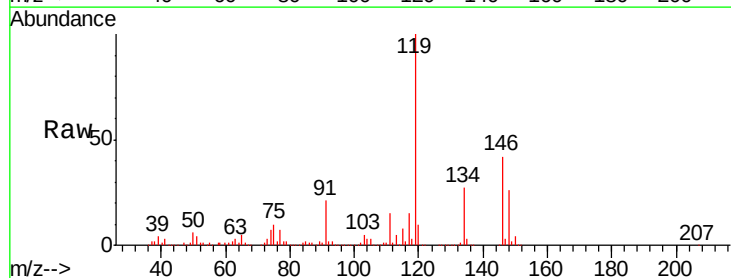
Tgt Ion:119 Resp: 2713425

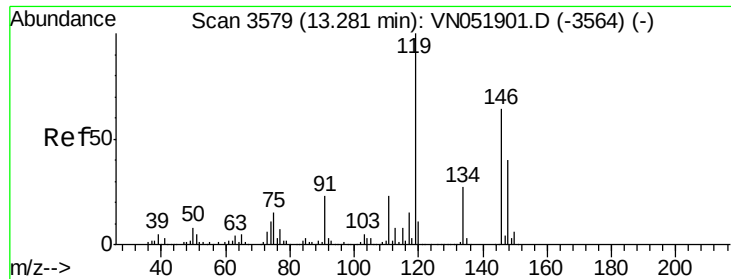
Ion Ratio Lower Upper

119 100

134 27.2 13.8 41.3

91 21.7 10.9 32.9





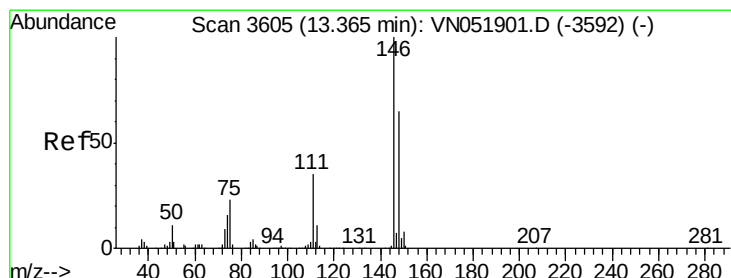
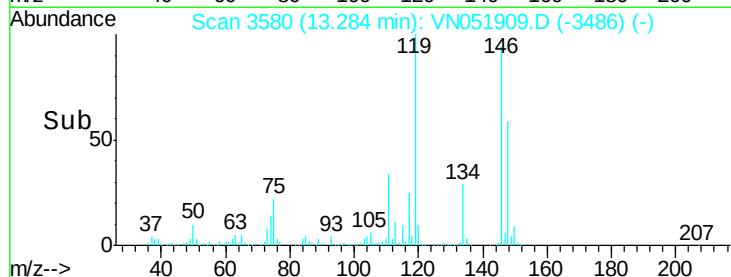
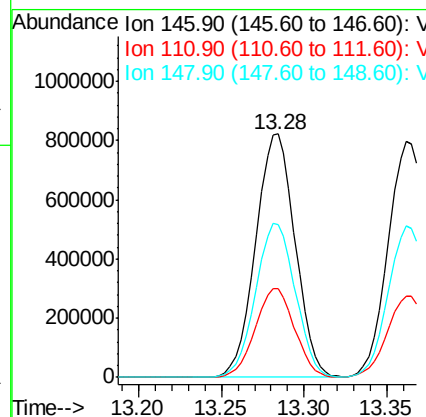
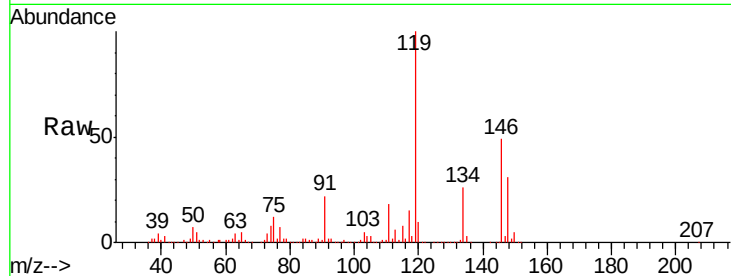
#87
 1,3-Dichlorobenzene
 Concen: 51.57 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1361195
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.3 54.8
 148 63.5 31.9 95.7

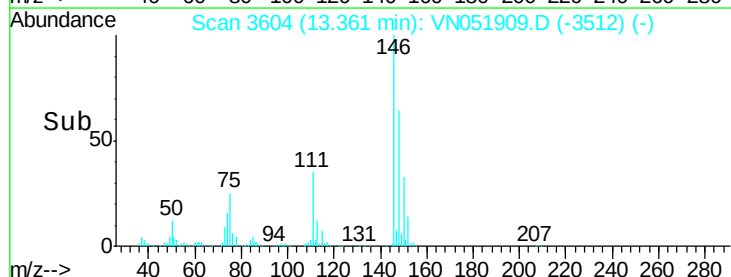
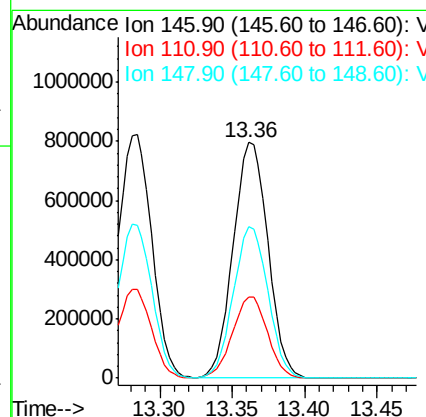
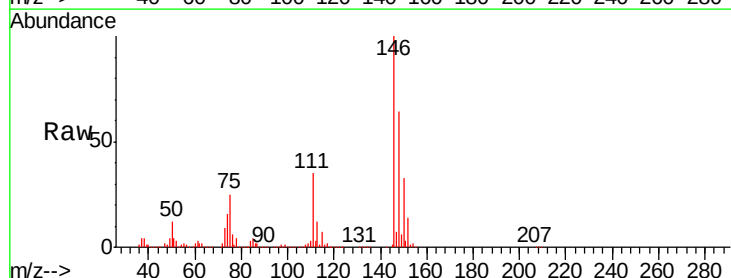
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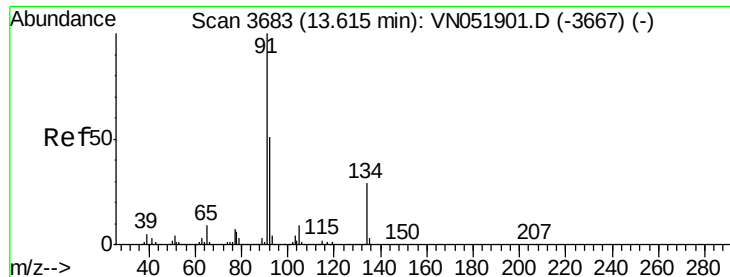
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 10/19/2018 4:37:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.18 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion:146 Resp: 1327503
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.9 53.7
 148 64.0 32.8 98.3





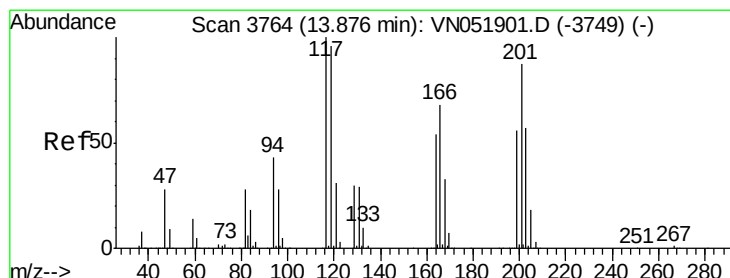
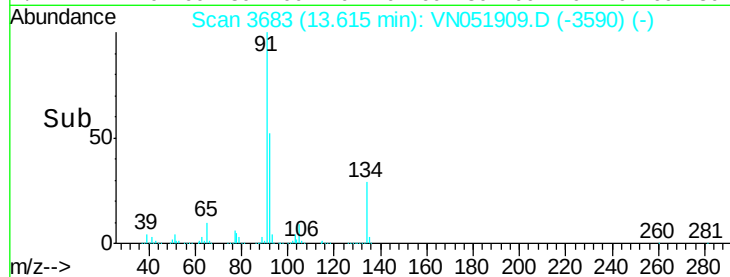
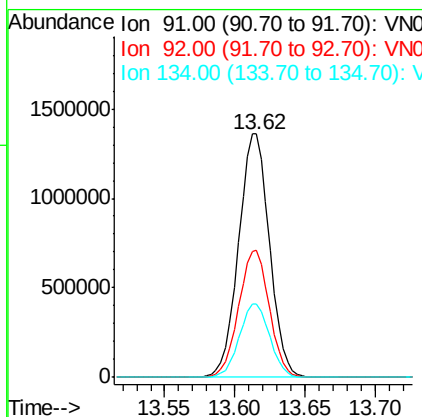
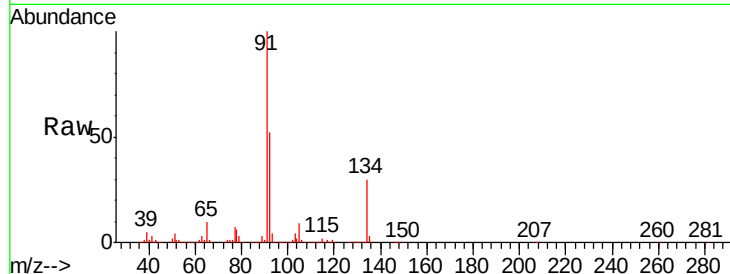
#89
n-Butylbenzene
Concen: 55.72 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2081776
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.7
134 29.8 14.6 43.8

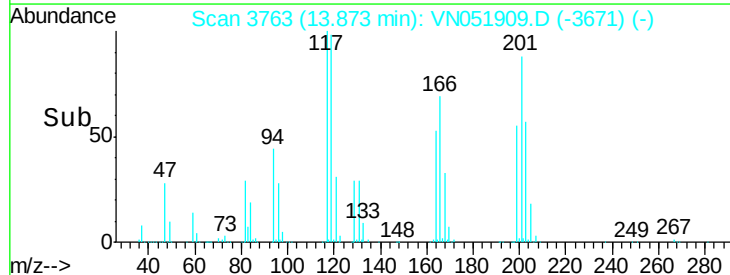
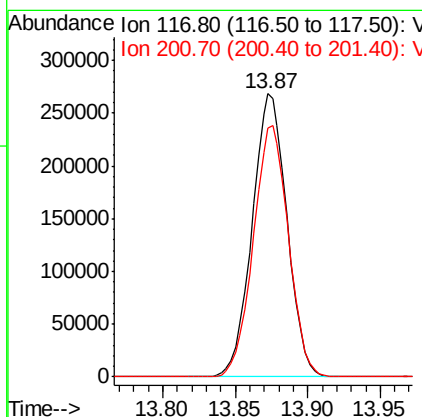
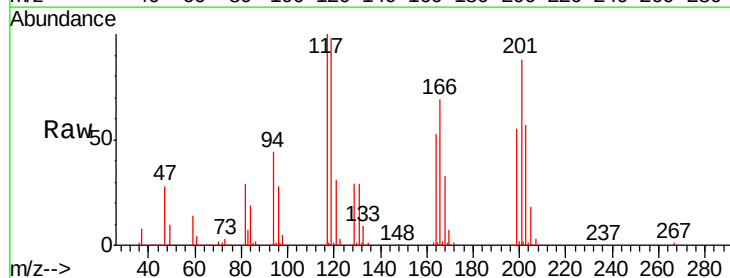
Manual Integrations
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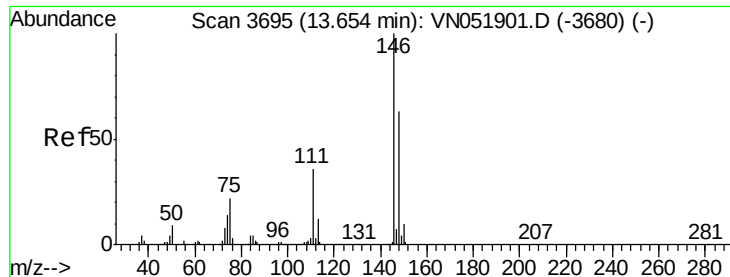
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#90
Hexachloroethane
Concen: 51.95 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 117 Resp: 447495
Ion Ratio Lower Upper
117 100
201 89.7 43.8 131.3





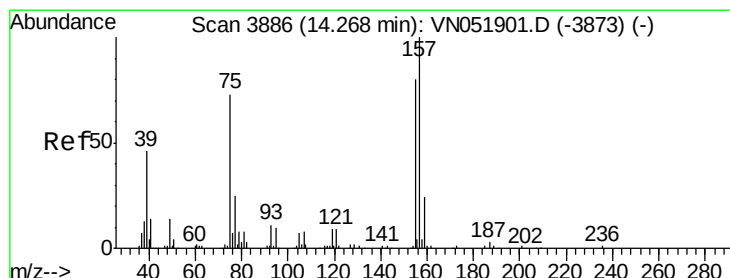
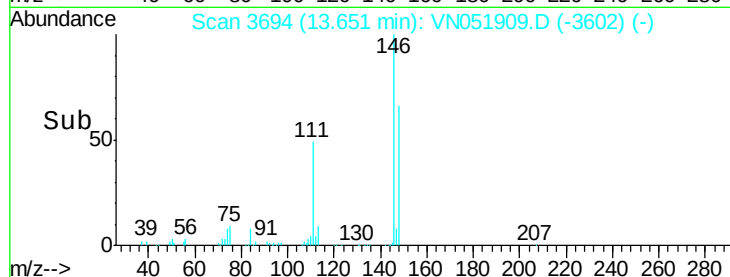
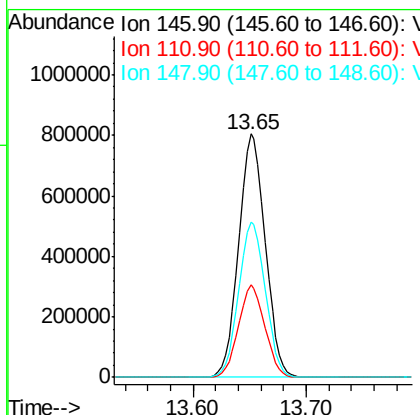
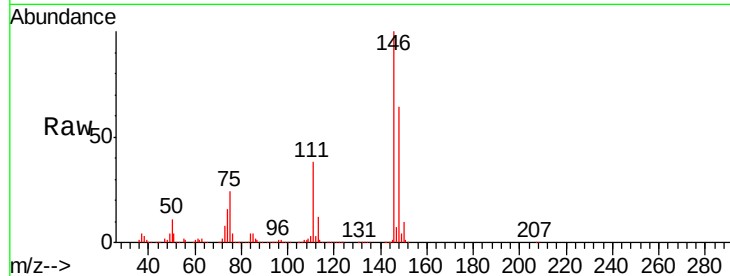
#91
 1,2-Dichlorobenzene
 Concen: 51.59 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 1318662
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.6
 148 64.0 32.0 96.2

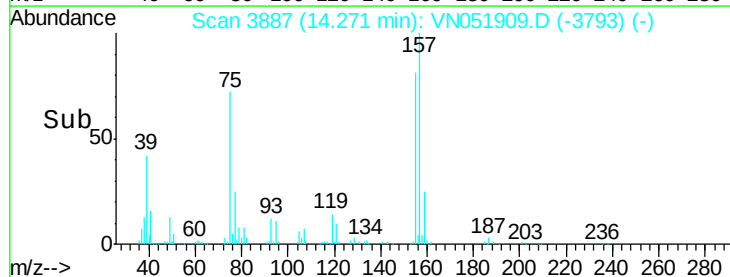
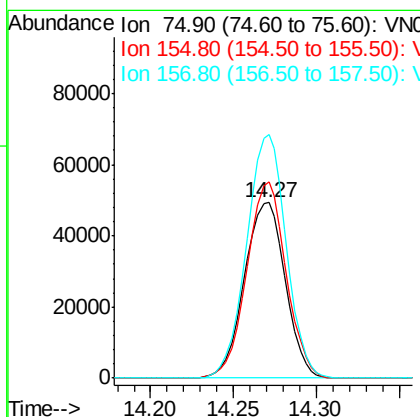
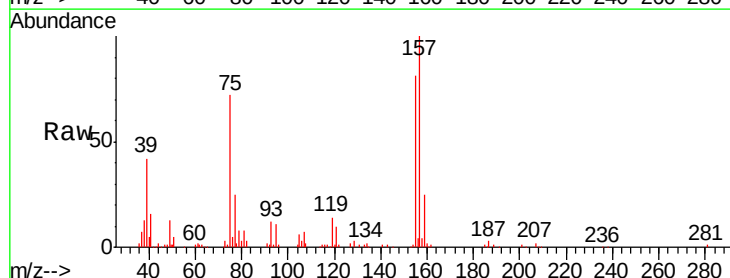
Manual Integrations
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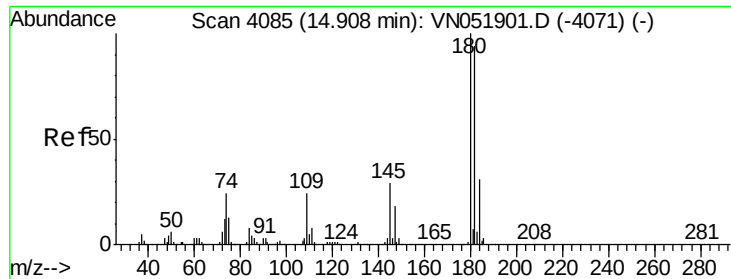
MMDadoda
 10/19/2018 4:37:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.11 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 75 Resp: 85151
 Ion Ratio Lower Upper
 75 100
 155 106.9 53.4 160.2
 157 134.0 69.3 207.9





#93

1,2,4-Trichlorobenzene

Concen: 47.36 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

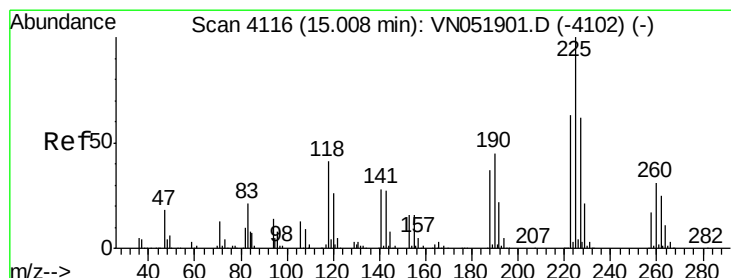
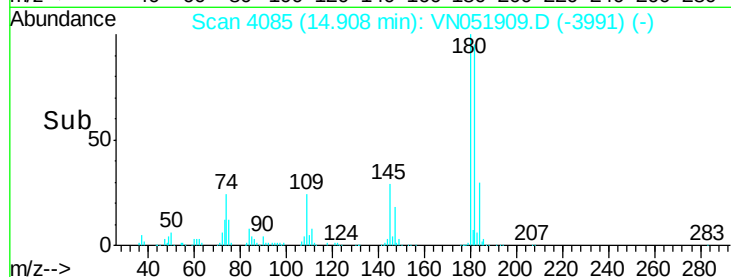
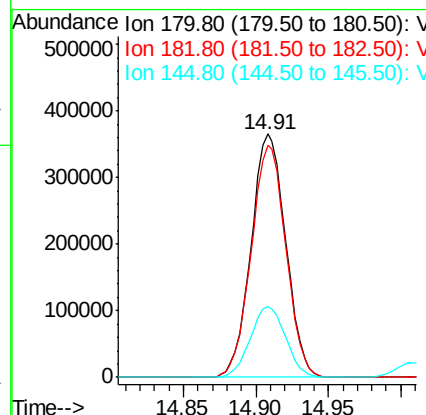
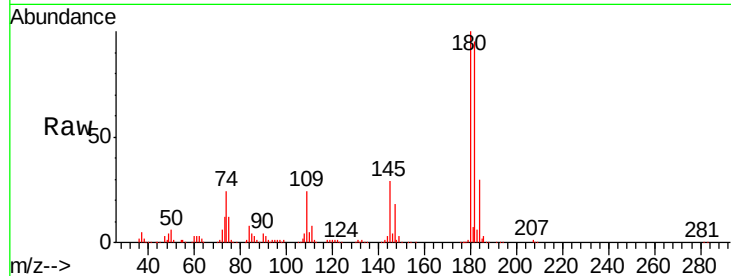
ClientSampleId :

VSTDCCC050

Tgt Ion:	180	Resp:	607279
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.3	141.9
145	29.7	14.5	43.5

Manual Integrations
APPROVED

MMDadoda
10/19/2018 4:37:53 PM



#94

Hexachlorobutadiene

Concen: 51.48 ug/l

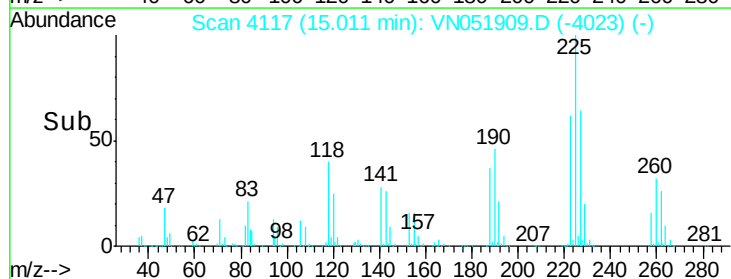
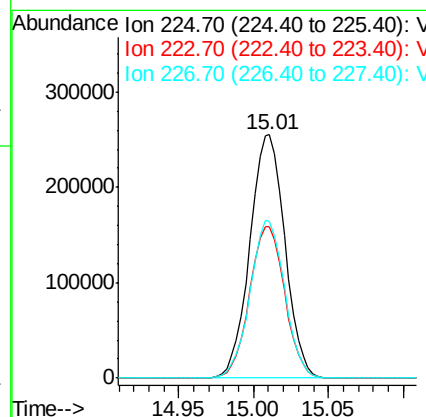
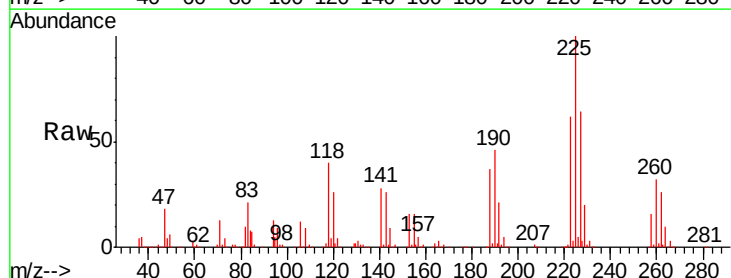
RT: 15.01 min Scan# 4117

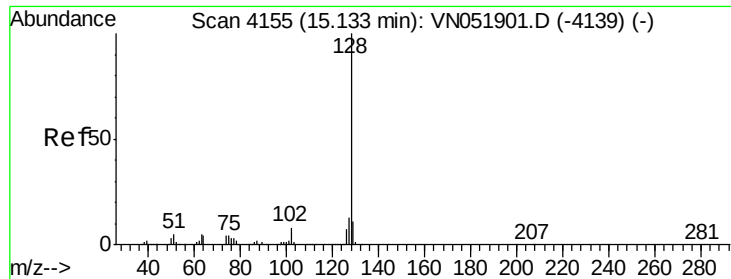
Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion:	225	Resp:	416663
Ion Ratio	Lower	Upper	
225	100		
223	62.5	32.0	96.2
227	63.8	31.9	95.9





#95

Naphthalene

Concen: 45.03 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

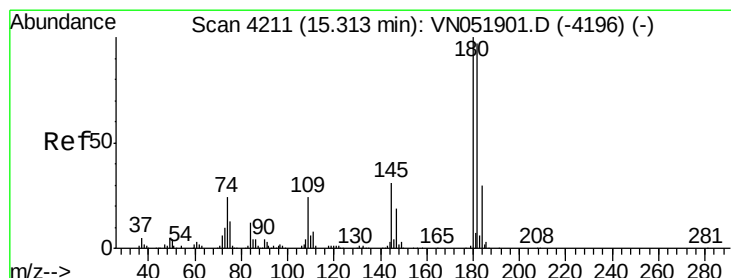
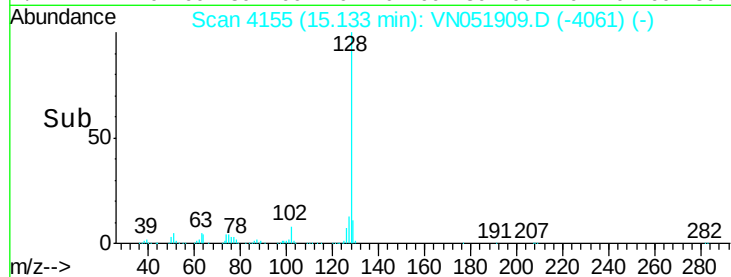
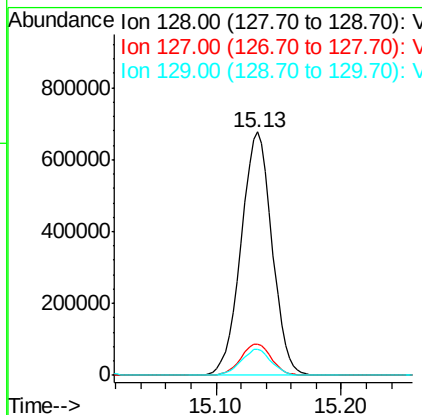
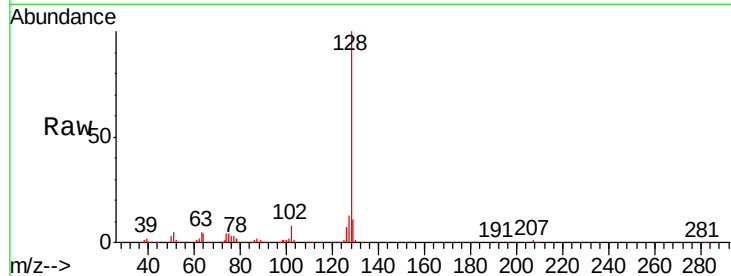
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/19/2018 4:37:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.72 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.8
145	30.9	15.2	45.6

