

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051906.D
 Acq On : 17 Oct 2018 14:36
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:29:42 PM

Quant Time: Oct 19 05:18:34 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	885974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1286391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1154097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	577745	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	361281	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	
35) Dibromofluoromethane	7.59	113	377600	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
50) Toluene-d8	10.09	98	1352630	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
62) 4-Bromofluorobenzene	12.40	95	455402	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	230023	42.91	ug/l	99
3) Chloromethane	2.06	50	237165	45.28	ug/l	99
4) Vinyl Chloride	2.18	62	349835	44.22	ug/l	100
5) Bromomethane	2.57	94	326759	50.12	ug/l	97
6) Chloroethane	2.70	64	268139	46.70	ug/l	99
7) Trichlorofluoromethane	3.02	101	606058	49.71	ug/l	99
8) Diethyl Ether	3.41	74	168722	47.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361011	51.61	ug/l	99
10) Methyl Iodide	3.95	142	435589	47.47	ug/l	100
11) Tert butyl alcohol	4.78	59	87619	182.56	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	317328	49.77	ug/l	99
13) Acrolein	3.61	56	69354	202.75	ug/l	99
14) Allyl chloride	4.32	41	358043	51.85	ug/l	97
15) Acrylonitrile	4.99	53	402867	229.89	ug/l	100
16) Acetone	3.82	43	315765	217.11	ug/l	99
17) Carbon Disulfide	4.05	76	767174	48.26	ug/l	100
18) Methyl Acetate	4.32	43	193799	44.53	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	861272	46.87	ug/l	99
20) Methylene Chloride	4.55	84	350572	47.42	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	360686	49.22	ug/l	97
22) Diisopropyl ether	5.95	45	813394	50.54	ug/l	95
23) Vinyl Acetate	5.89	43	2689389	242.71	ug/l	100
24) 1,1-Dichloroethane	5.85	63	581177	49.86	ug/l	100
25) 2-Butanone	6.83	43	456777	219.75	ug/l	97
26) 2,2-Dichloropropane	6.82	77	588405	53.38	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	431716	50.70	ug/l	99
28) Bromochloromethane	7.19	49	214780	45.38	ug/l	98
29) Tetrahydrofuran	7.21	42	266862	210.20	ug/l	99
30) Chloroform	7.37	83	705768	50.62	ug/l	97
31) Cyclohexane	7.65	56	491166	52.31	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	670109	51.53	ug/l	100
36) 1,1-Dichloropropene	7.79	75	502494	50.33	ug/l	99
37) Ethyl Acetate	6.93	43	204466	44.31	ug/l	98
38) Carbon Tetrachloride	7.77	117	597654	50.83	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	652574	52.78	ug/l	100
40) Benzene	8.04	78	1483020	50.85	ug/l	99
41) Methacrylonitrile	7.18	41	105378m	46.47	ug/l	
42) 1,2-Dichloroethane	8.12	62	468414	50.13	ug/l	99
43) Isopropyl Acetate	8.16	43	402562	44.26	ug/l #	89
44) Trichloroethene	8.83	130	469864	51.33	ug/l	99
45) 1,2-Dichloropropane	9.12	63	348254	51.64	ug/l	97
46) Dibromomethane	9.21	93	255618	49.72	ug/l	98
47) Bromodichloromethane	9.40	83	542796	52.68	ug/l	99
48) Methyl methacrylate	9.20	41	186599	46.30	ug/l	98
49) 1,4-Dioxane	9.19	88	63439	828.68	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1028716	221.33	ug/l	100
52) Toluene	10.15	92	1013396	51.94	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	495570	50.75	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	575522	52.86	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	354672	49.61	ug/l	100
56) Ethyl methacrylate	10.43	69	383080	47.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	541654	49.76	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	782582	213.11	ug/l	99
59) 2-Hexanone	10.75	43	685228	219.87	ug/l	100
60) Dibromochloromethane	10.90	129	433125	45.40	ug/l	100
61) 1,2-Dibromoethane	11.00	107	363313	48.45	ug/l	100
64) Tetrachloroethene	10.63	164	475751	51.36	ug/l	97
65) Chlorobenzene	11.43	112	1173871	50.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	450680	52.47	ug/l	99
67) Ethyl Benzene	11.51	91	1984885	52.51	ug/l	100
68) m/p-Xylenes	11.62	106	1606160	105.82	ug/l	99
69) o-Xylene	11.95	106	775396	52.42	ug/l	98
70) Styrene	11.96	104	1224044	53.80	ug/l	100
71) Bromoform	12.13	173	271421	42.52	ug/l #	100
73) Isopropylbenzene	12.25	105	2126818	47.55	ug/l	100
74) N-amyl acetate	12.07	43	329874	42.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	382627	42.33	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	297040m	42.30	ug/l	
77) Bromobenzene	12.53	156	533156	46.85	ug/l	99
78) n-propylbenzene	12.59	91	2327598	49.99	ug/l	99
79) 2-Chlorotoluene	12.67	91	1330832	54.35	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1772296	49.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90621	42.54	ug/l	98
82) 4-Chlorotoluene	12.77	91	1333452	49.01	ug/l	100
83) tert-Butylbenzene	12.99	119	1612216	47.46	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1771182	49.83	ug/l	99
85) sec-Butylbenzene	13.17	105	2170799	50.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	1955172	52.23	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	963624	50.24	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	920086	48.81	ug/l	99
89) n-Butylbenzene	13.61	91	1517751	55.90	ug/l	100
90) Hexachloroethane	13.87	117	319071	50.96	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	913067	49.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52120	43.04	ug/l	98

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QLast Update : Fri Oct 19 05:11:28 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	404804	43.78	ug/l	99
94) Hexachlorobutadiene	15.01	225	296295	50.37	ug/l	99
95) Naphthalene	15.13	128	703005	38.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	384396	43.11	ug/l	99

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

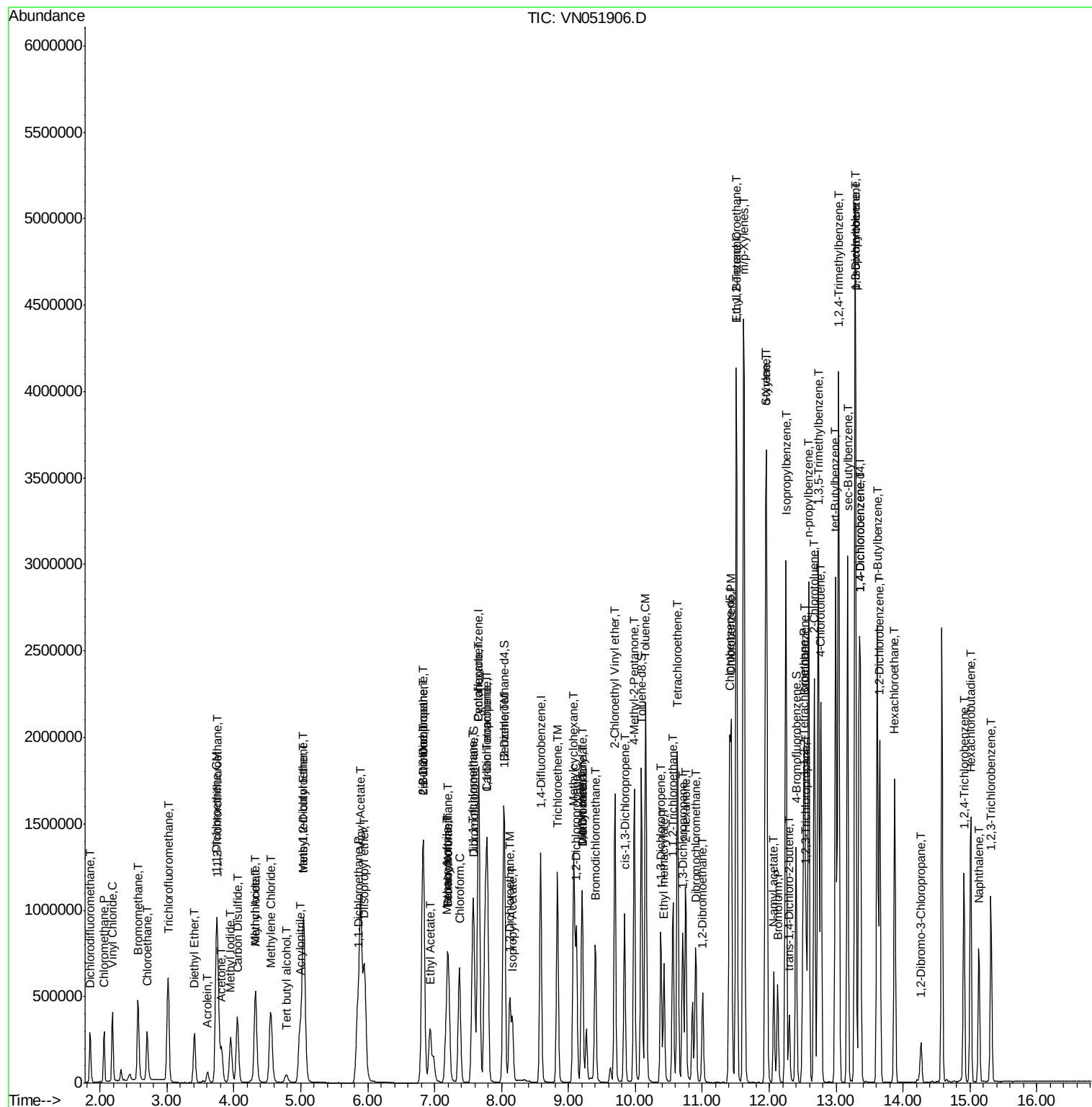
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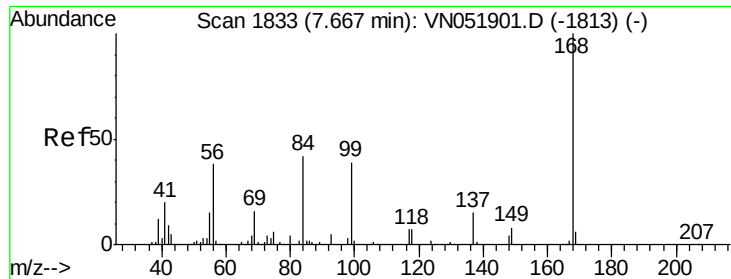
Instrument :
 MSVOA_N
 Client Sampled :
 ICVVN101718

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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: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion:168 Resp: 885974

Ion Ratio Lower Upper

168 100

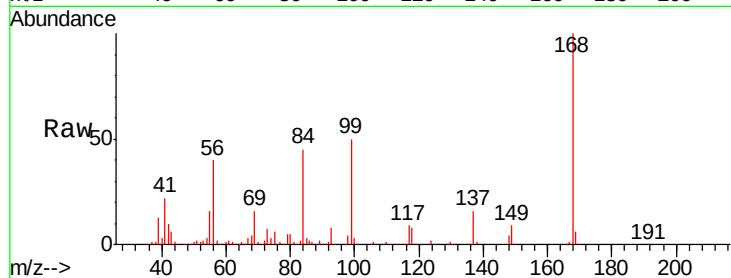
99 49.4 39.2 58.8

Manual Integrations

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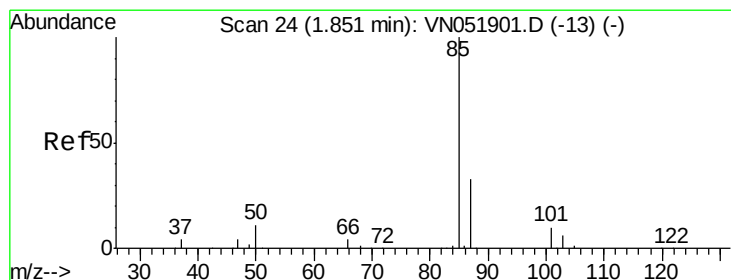
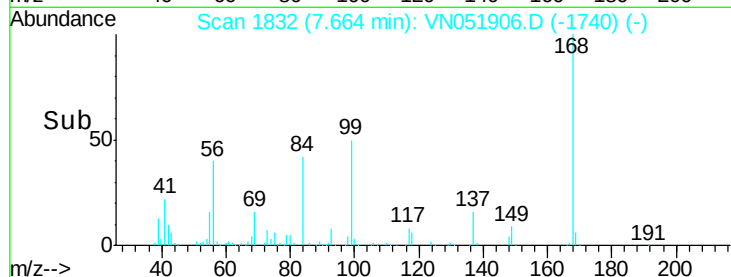
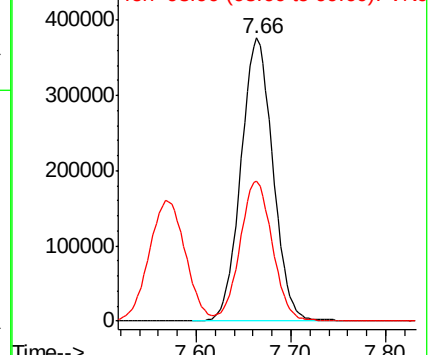
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 42.91 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051906.D

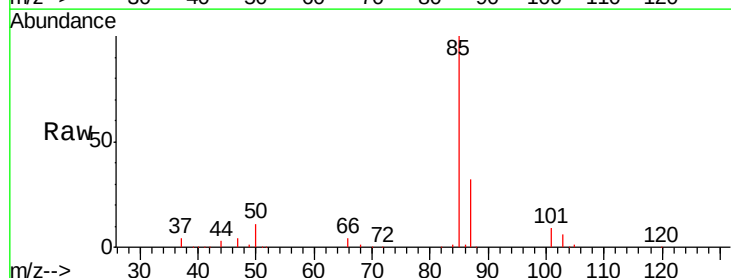
Acq: 17 Oct 2018 14:36

Tgt Ion: 85 Resp: 230023

Ion Ratio Lower Upper

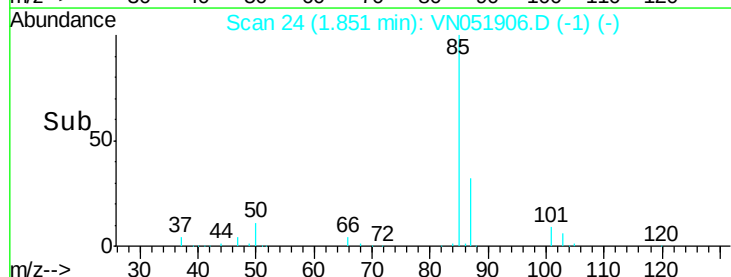
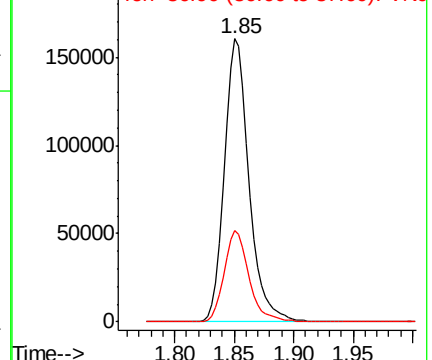
85 100

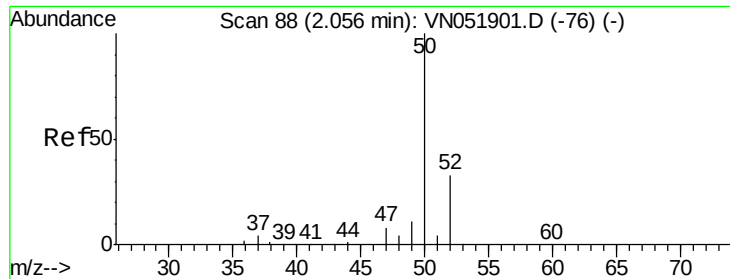
87 32.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.28 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 50 Resp: 237165

Ion Ratio Lower Upper

50 100

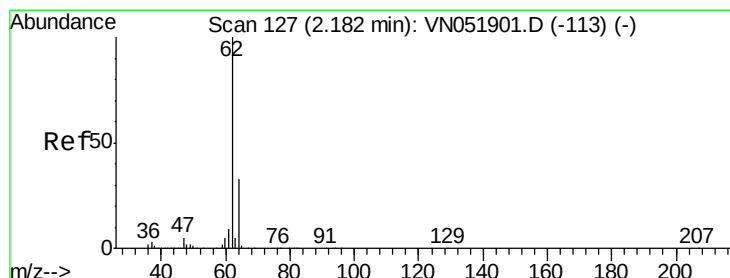
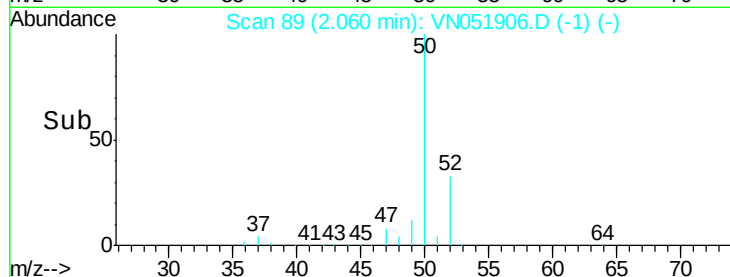
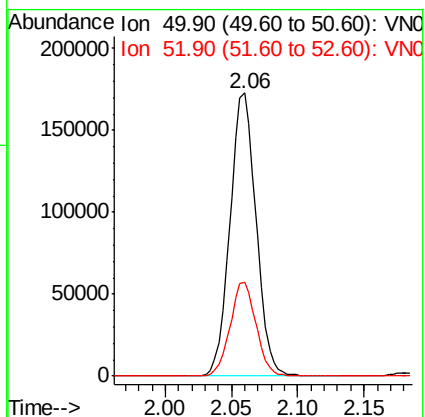
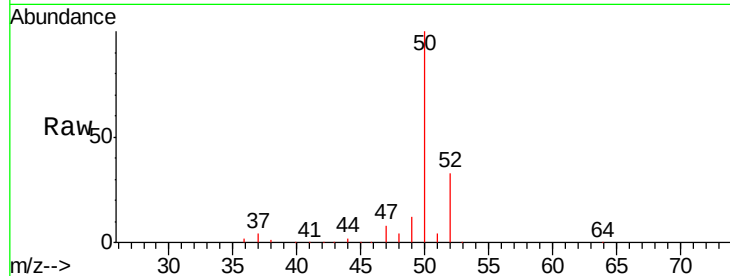
52 33.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.22 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051906.D

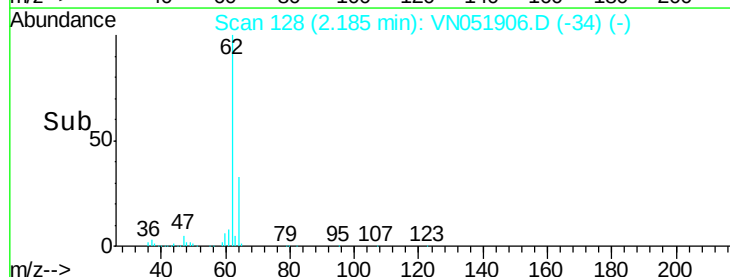
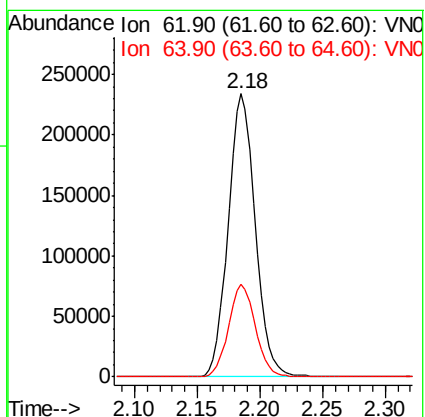
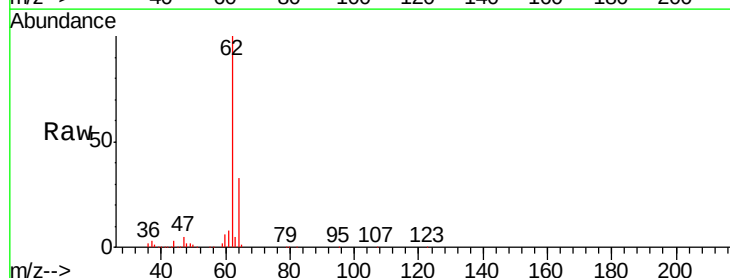
Acq: 17 Oct 2018 14:36

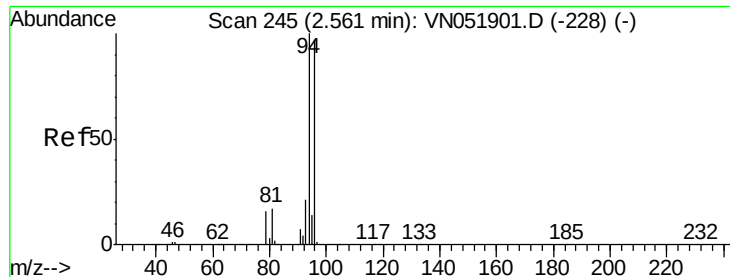
Tgt Ion: 62 Resp: 349835

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2





#5

Bromomethane

Concen: 50.12 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

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Tgt Ion: 94 Resp: 326759

Ion Ratio Lower Upper

94 100

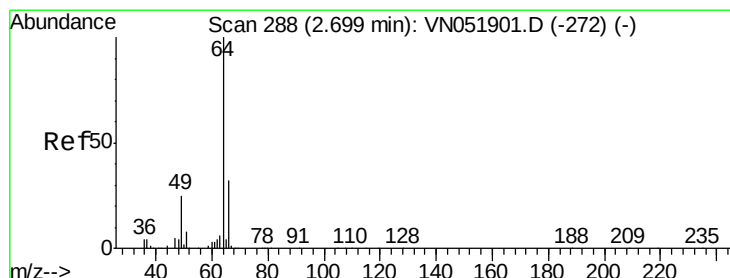
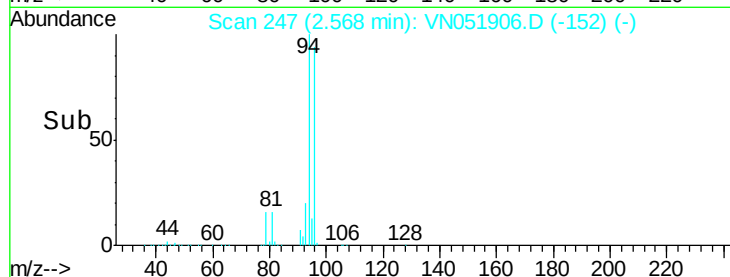
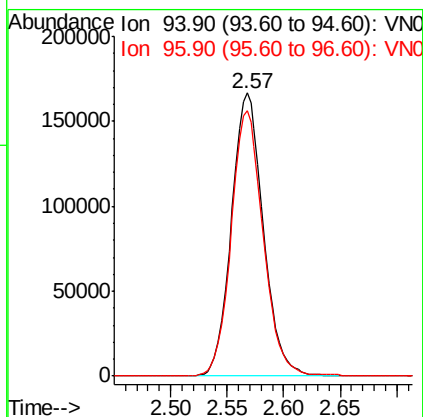
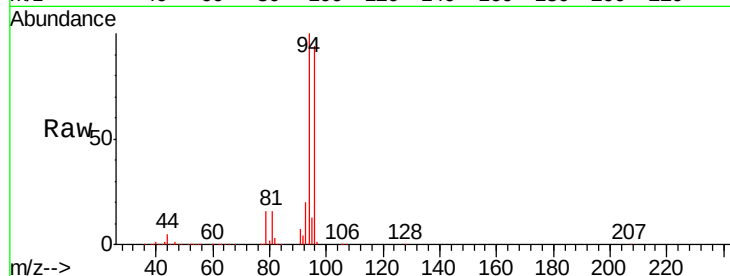
96 93.9 77.5 116.3

Manual Integrations

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#6

Chloroethane

Concen: 46.70 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051906.D

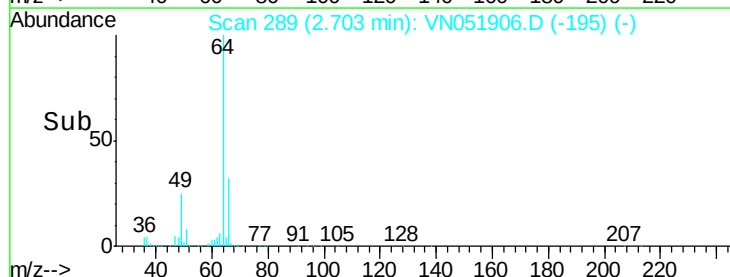
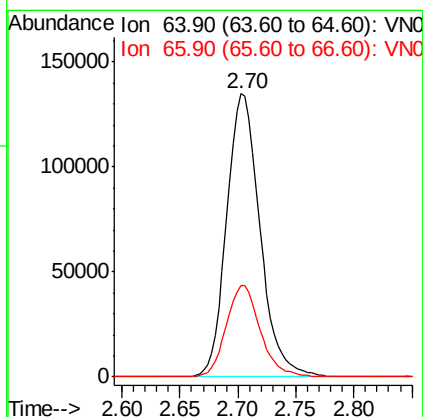
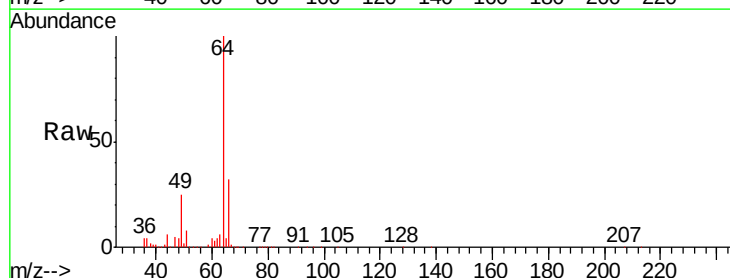
Acq: 17 Oct 2018 14:36

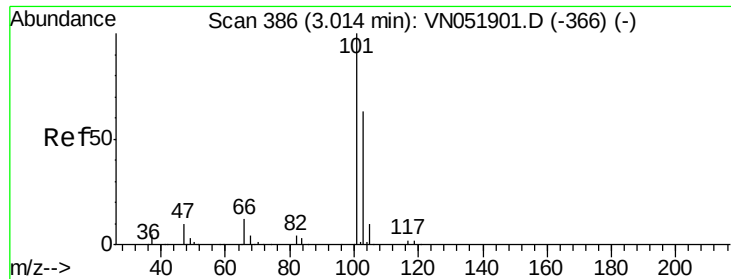
Tgt Ion: 64 Resp: 268139

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9





#7

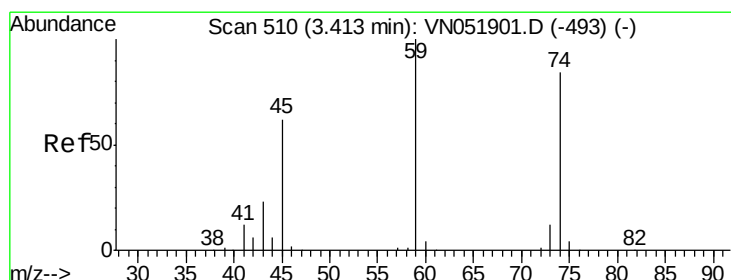
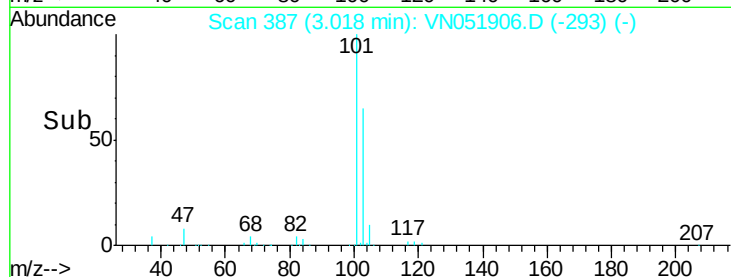
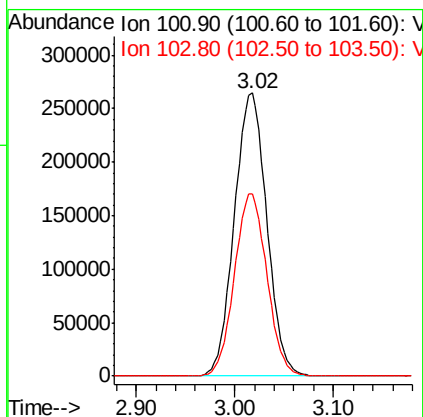
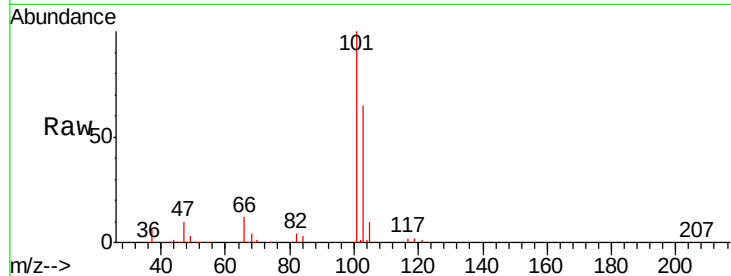
Trichlorofluoromethane
 Concen: 49.71 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051906.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.8	76.2

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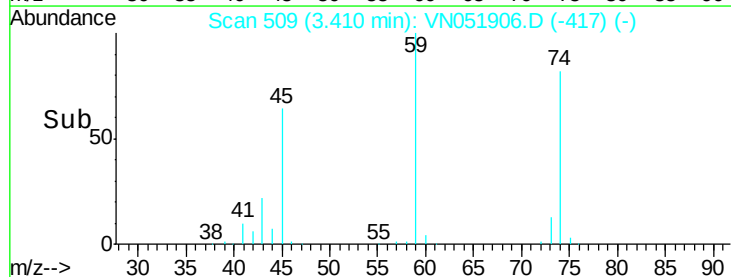
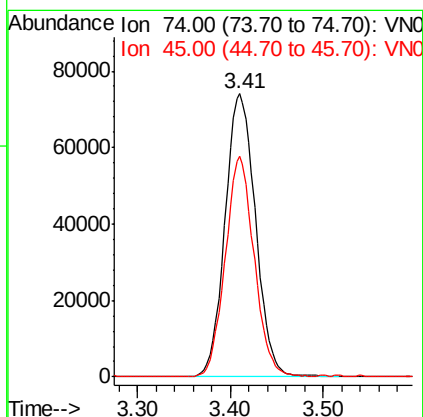
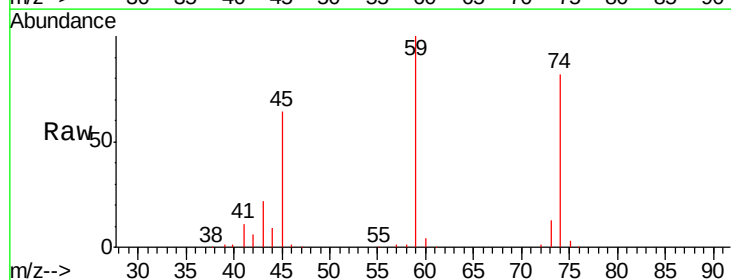
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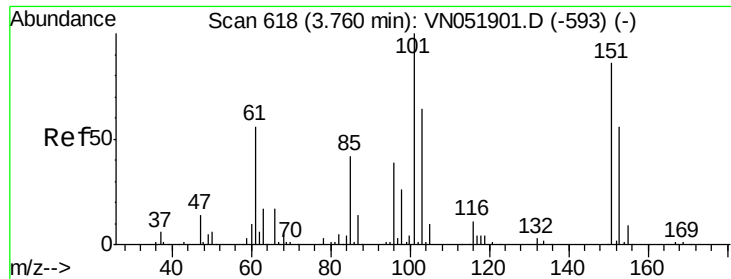


#8

Diethyl Ether
 Concen: 47.24 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051906.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.1	36.8	110.3





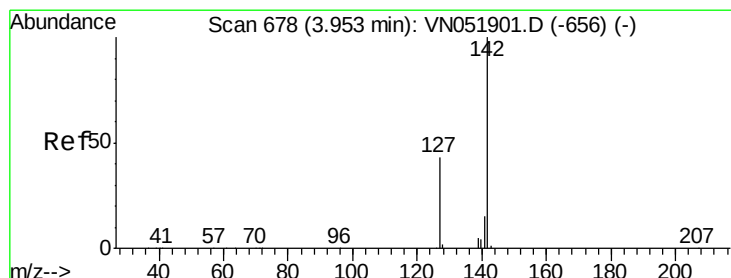
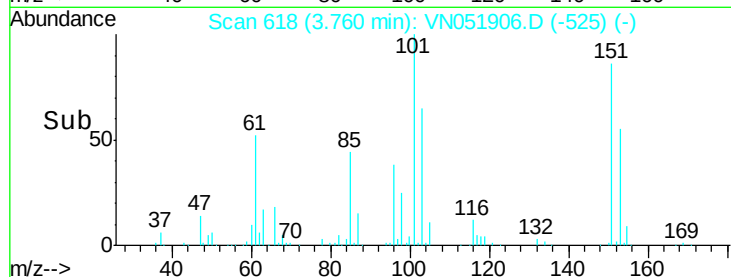
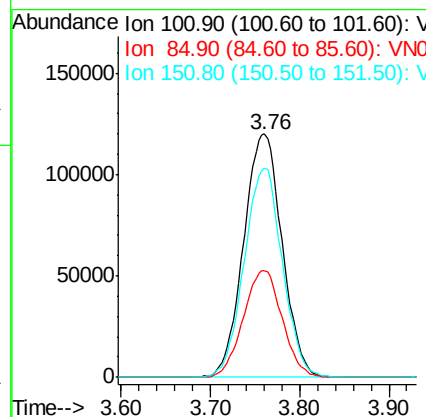
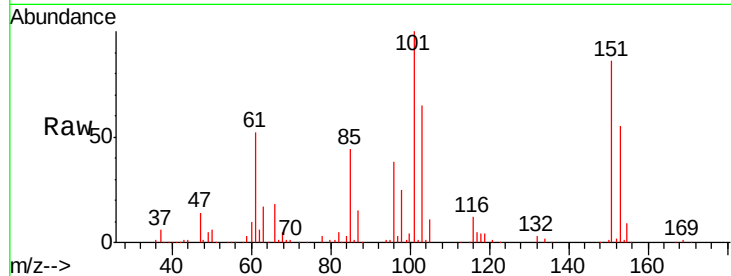
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.61 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	361011		
85	44.3	34.8	52.2	
151	85.3	68.0	102.0	

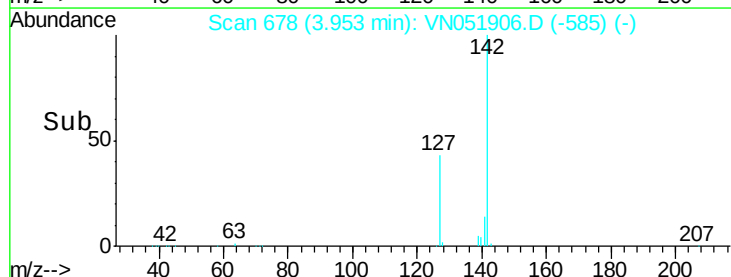
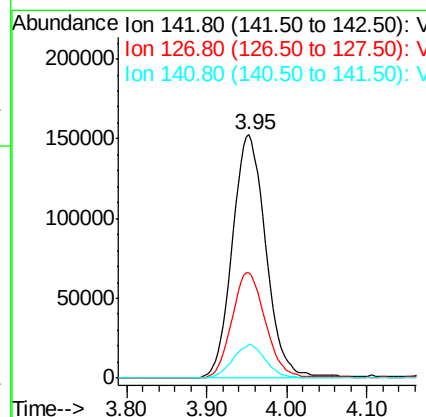
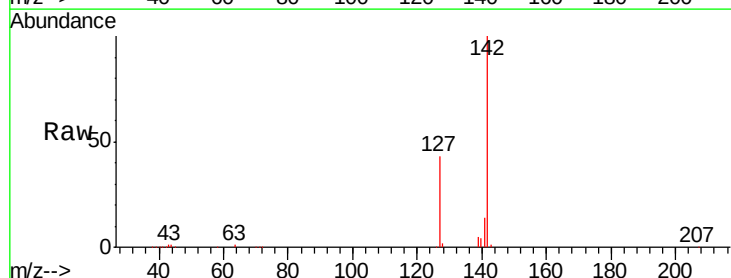
Manual Integrations
 APPROVED

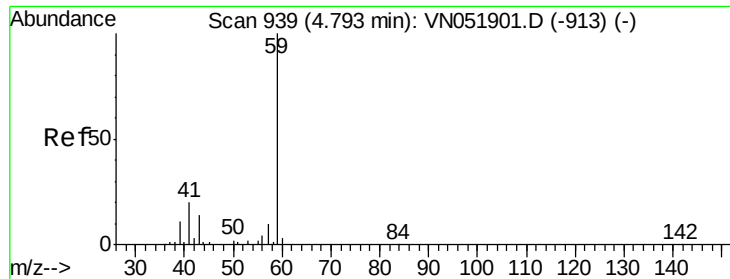
MMDadoda
 10/19/2018 3:29:42 PM



#10
 Methyl Iodide
 Concen: 47.47 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	435589		
127	43.0	34.3	51.5	
141	13.5	11.1	16.7	





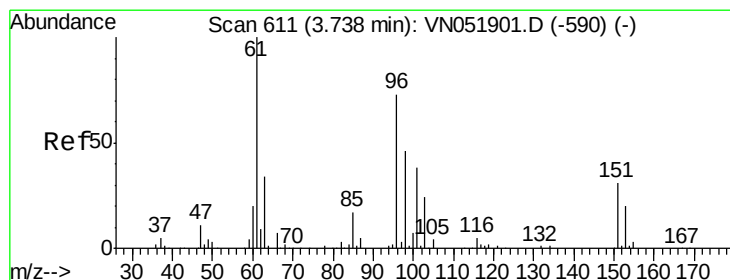
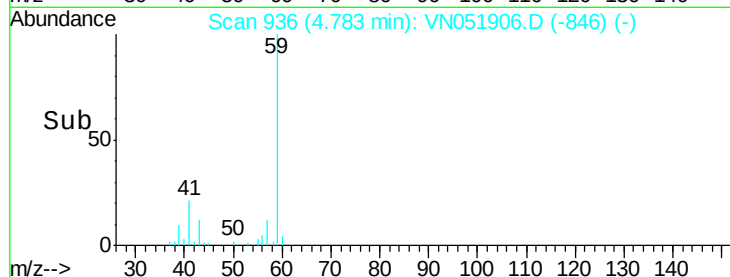
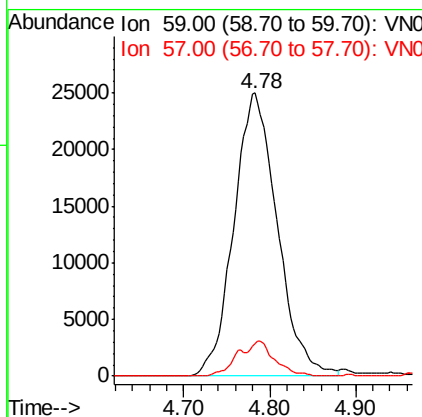
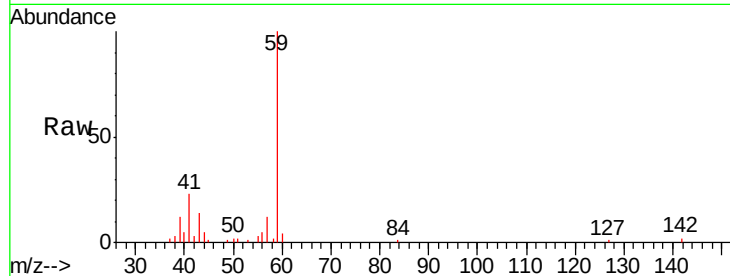
#11
Tert butyl alcohol
Concen: 182.56 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion: 59 Resp: 87619
Ion Ratio Lower Upper
59 100
57 6.9 8.3 12.5#

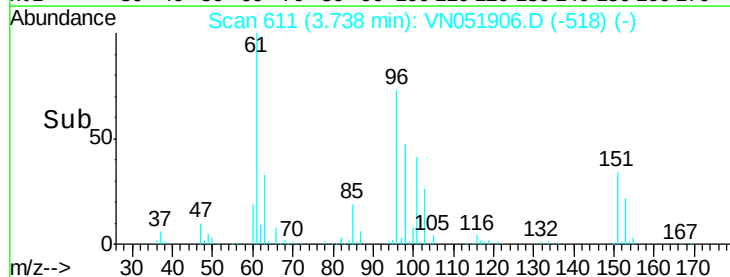
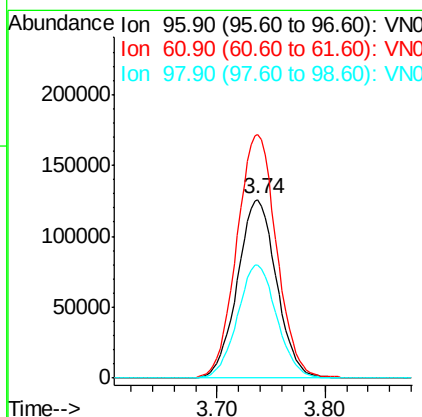
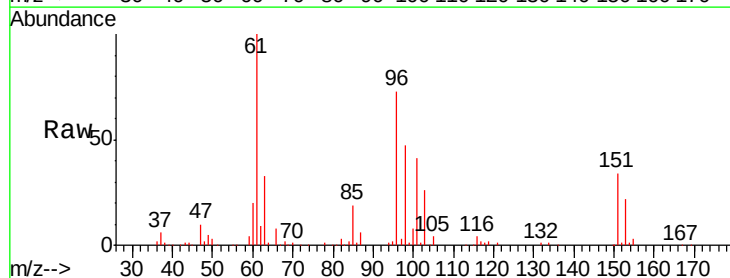
Manual Integrations
APPROVED

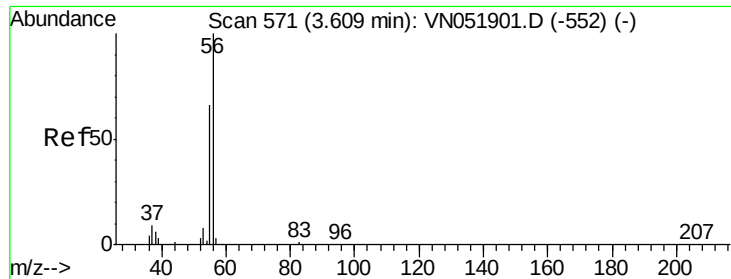
MMDadoda
10/19/2018 3:29:42 PM



#12
1,1-Dichloroethene
Concen: 49.77 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion: 96 Resp: 317328
Ion Ratio Lower Upper
96 100
61 136.3 109.8 164.6
98 63.5 50.9 76.3





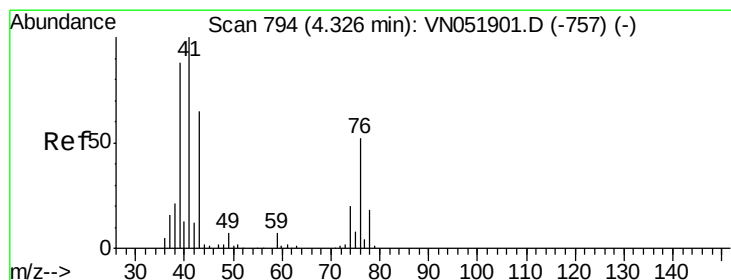
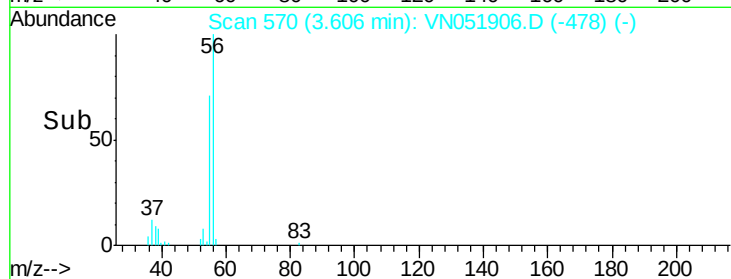
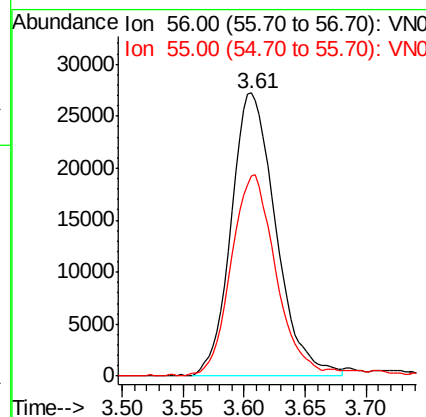
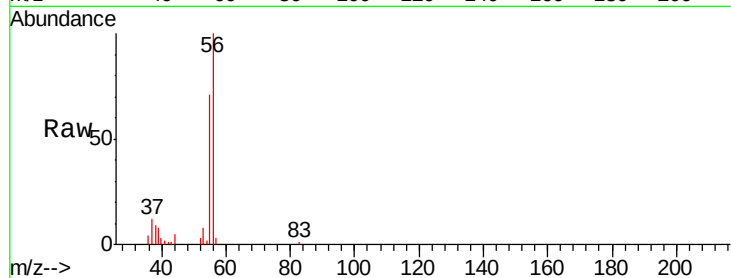
#13
Acrolein
Concen: 202.75 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.5	56.7	85.1

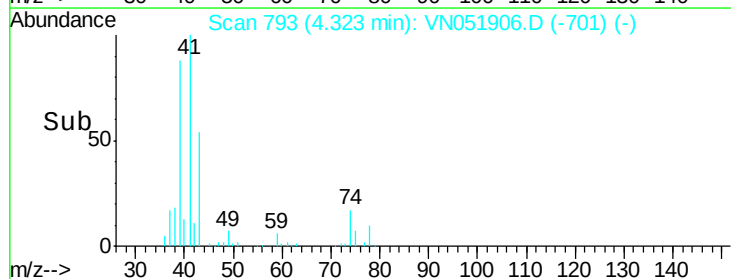
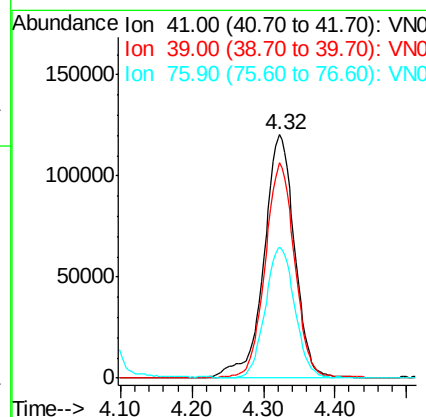
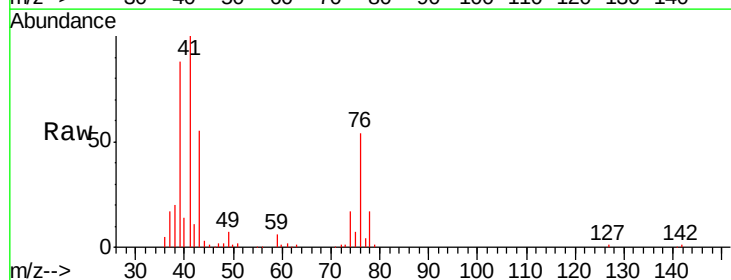
Manual Integrations
APPROVED

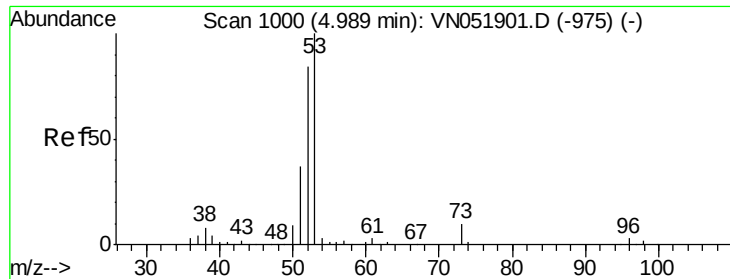
MMDadoda
10/19/2018 3:29:42 PM



#14
Allyl chloride
Concen: 51.85 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	85.5	65.4	98.0
76	50.8	39.6	59.4





#15

Acrylonitrile

Concen: 229.89 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

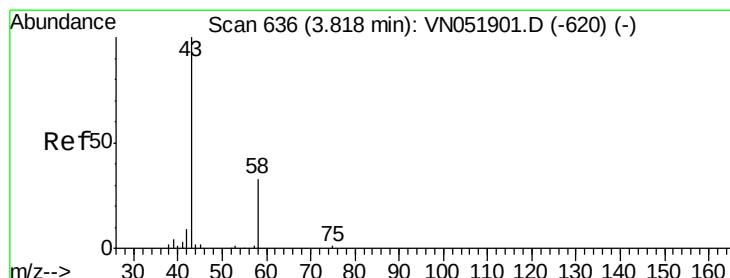
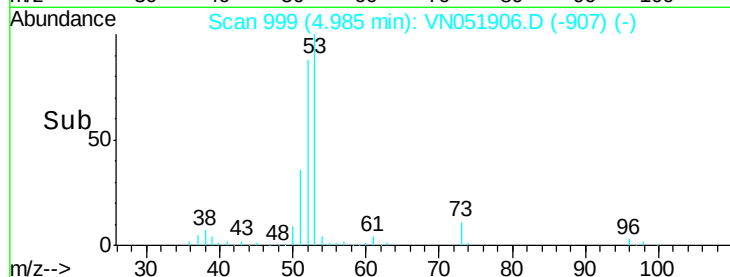
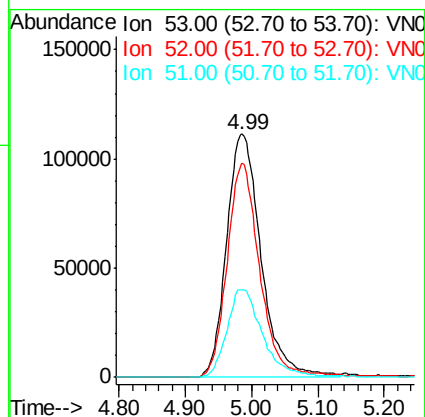
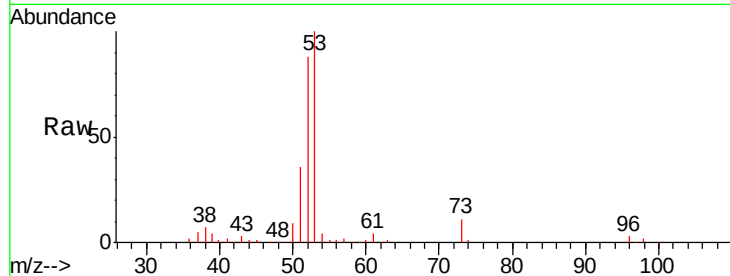
ClientSampleId :

ICVVN101718

Tgt Ion:	53	Resp:	402867
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.8
51	37.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 217.11 ug/l

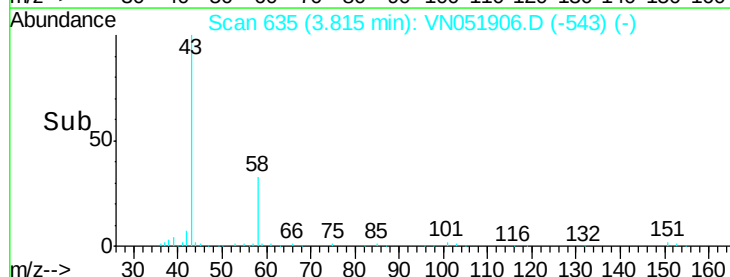
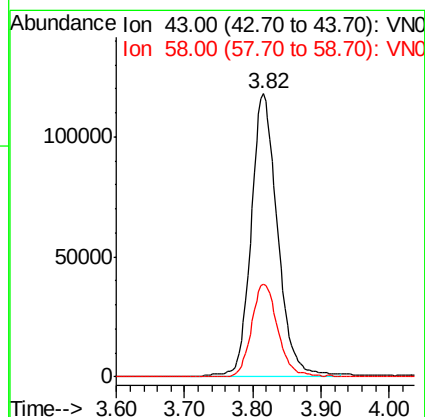
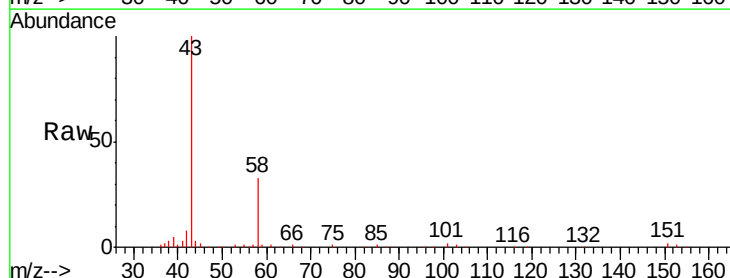
RT: 3.82 min Scan# 635

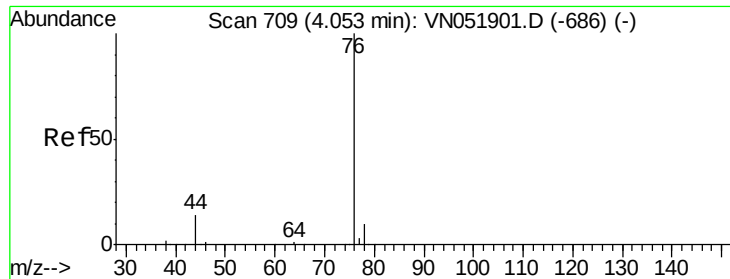
Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Tgt Ion:	43	Resp:	315765
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.9	38.9





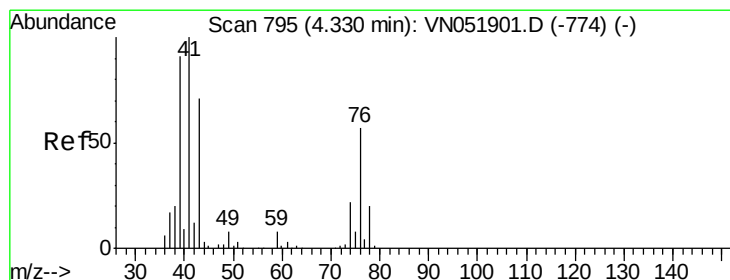
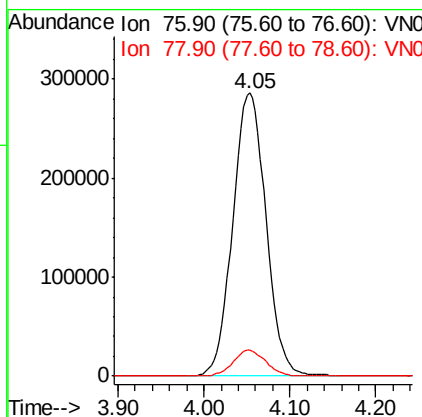
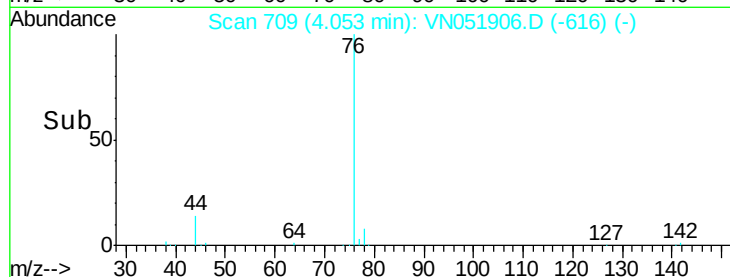
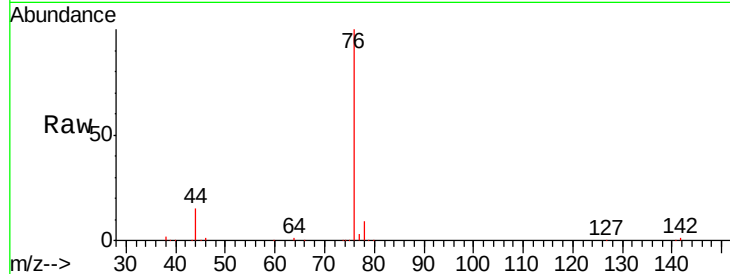
#17
Carbon Disulfide
Concen: 48.26 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion: 76 Resp: 767174
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4

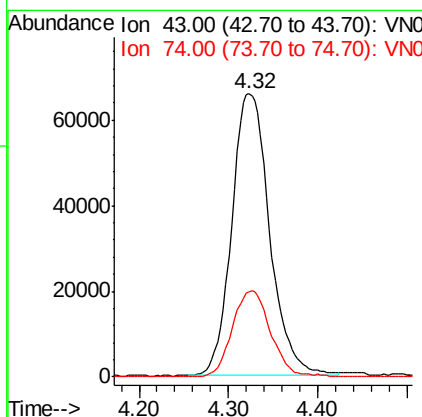
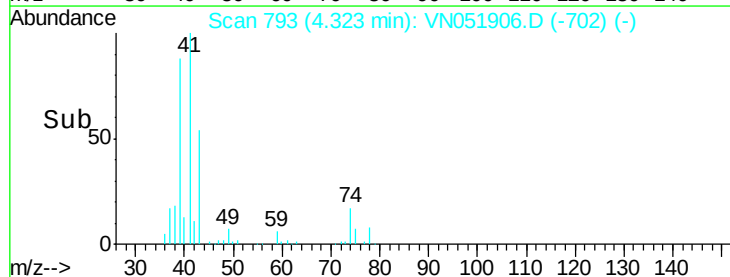
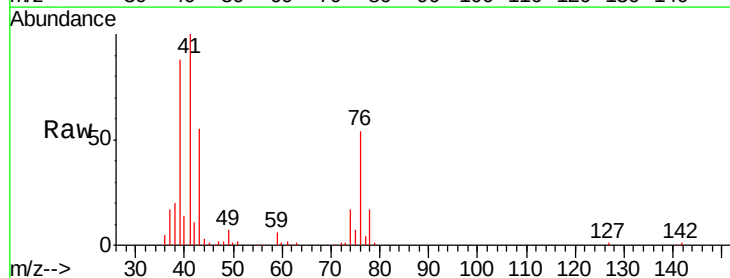
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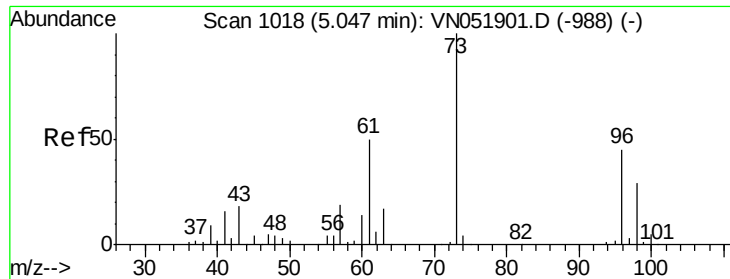
MMDadoda
10/19/2018 3:29:42 PM



#18
Methyl Acetate
Concen: 44.53 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion: 43 Resp: 193799
Ion Ratio Lower Upper
43 100
74 30.8 24.9 37.3





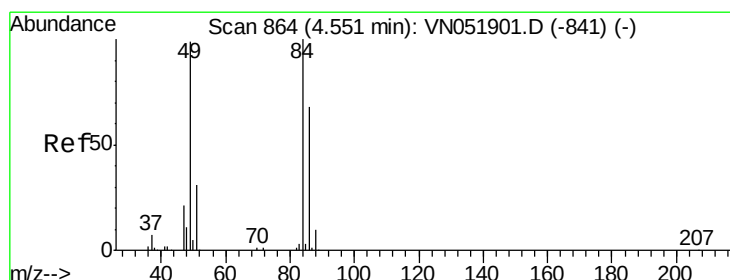
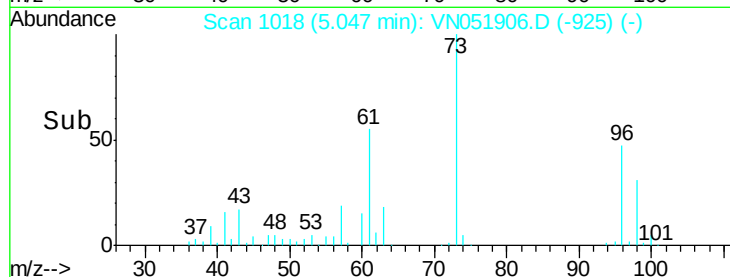
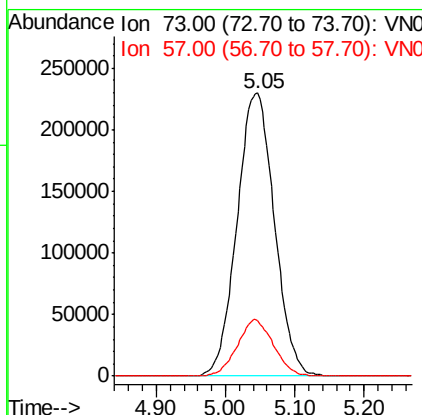
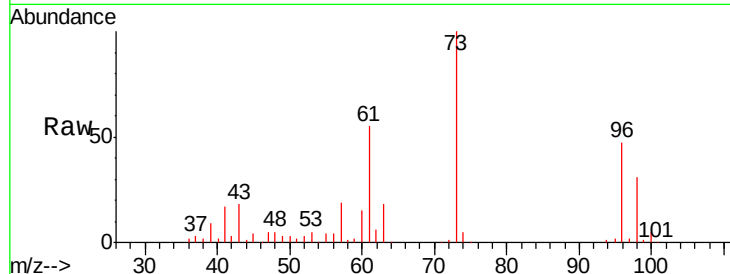
#19
Methyl tert-butyl Ether
Concen: 46.87 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN101718

Tgt Ion: 73 Resp: 861272
Ion Ratio Lower Upper
73 100
57 19.5 15.3 22.9

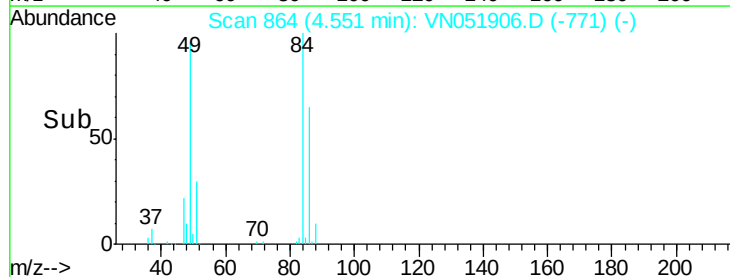
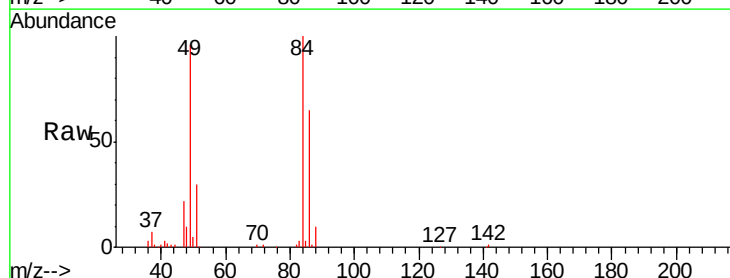
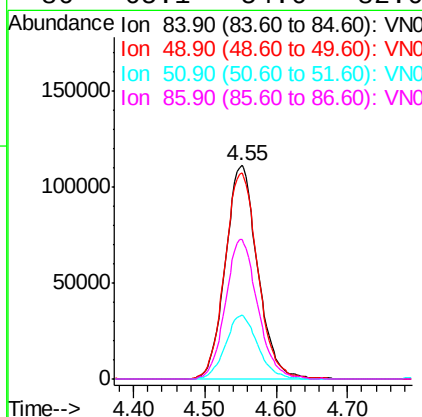
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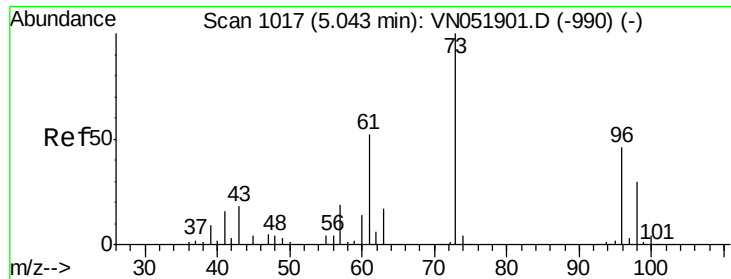
MMDadoda
10/19/2018 3:29:42 PM



#20
Methylene Chloride
Concen: 47.42 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion: 84 Resp: 350572
Ion Ratio Lower Upper
84 100
49 96.4 79.0 118.4
51 30.1 24.9 37.3
86 65.1 54.6 82.0





#21

trans-1,2-Dichloroethene

Concen: 49.22 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

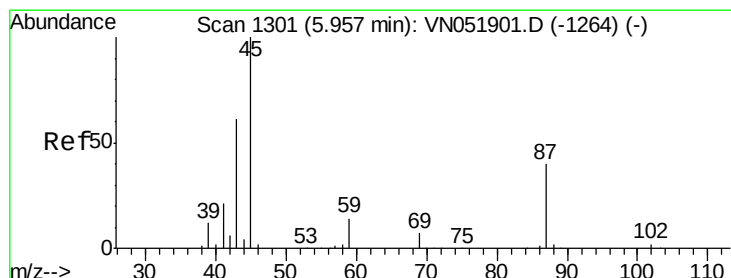
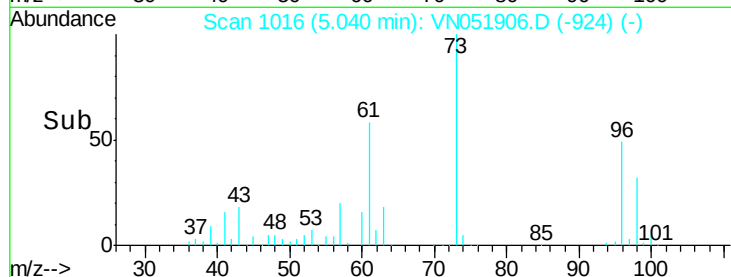
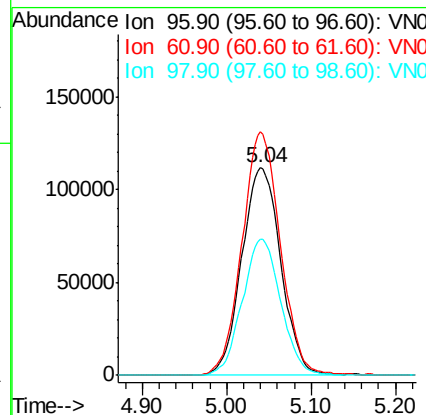
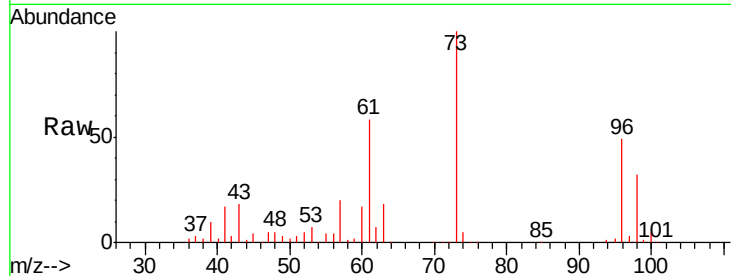
ClientSampleId :

ICVFN101718

Tgt Ion:	96	Resp:	360686
Ion	Ratio	Lower	Upper
96	100		
61	117.3	89.8	134.6
98	65.4	51.7	77.5

Manual Integrations
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MMDadoda
10/19/2018 3:29:42 PM



#22

Diisopropyl ether

Concen: 50.54 ug/l

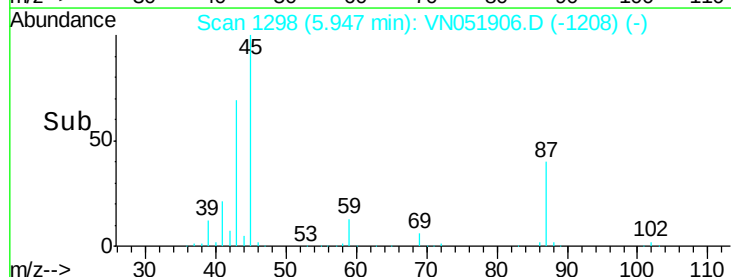
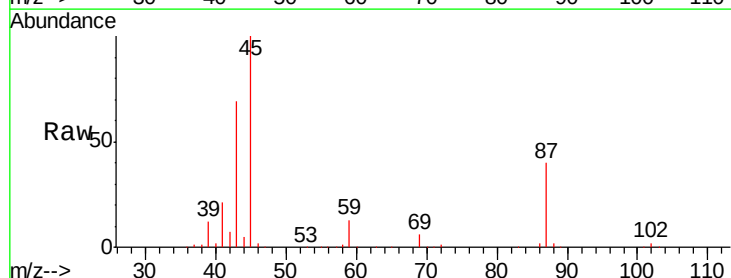
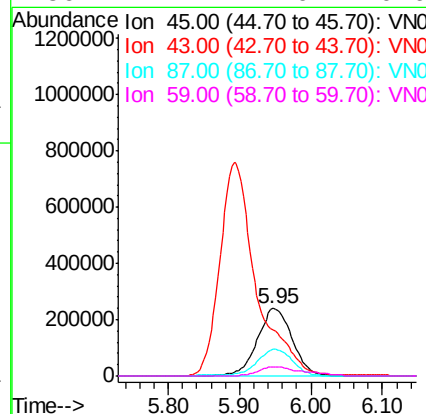
RT: 5.95 min Scan# 1298

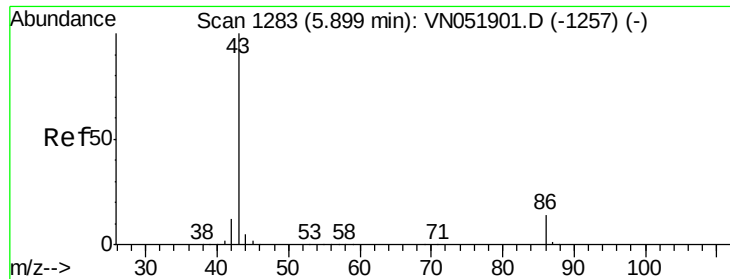
Delta R.T. -0.01 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Tgt Ion:	45	Resp:	813394
Ion	Ratio	Lower	Upper
45	100		
43	67.1	48.9	73.3
87	39.3	32.6	48.8
59	12.7	11.0	16.6





#23

Vinyl Acetate

Concen: 242.71 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 43 Resp: 2689389

Ion Ratio Lower Upper

43 100

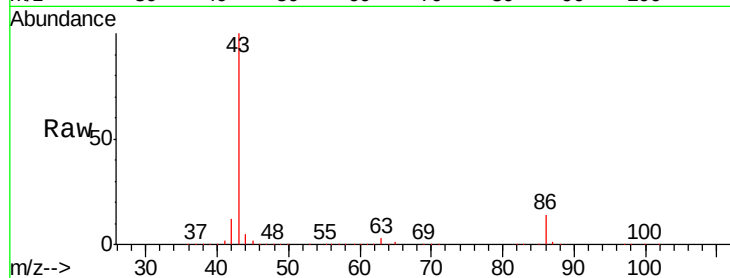
86 14.4 11.5 17.3

Manual Integrations

APPROVED

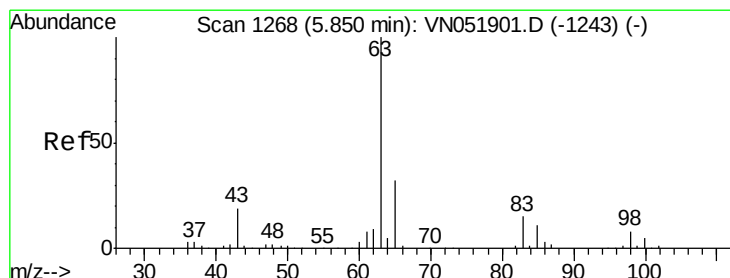
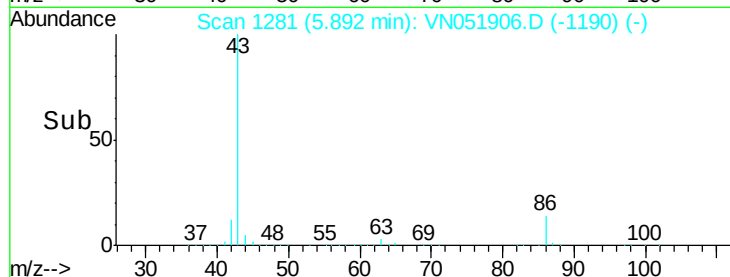
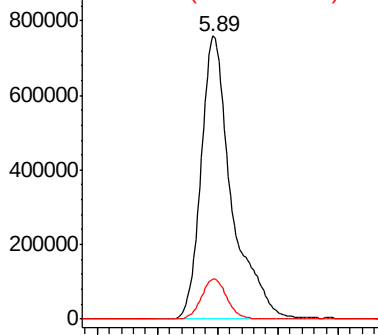
MMDadoda

10/19/2018 3:29:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.86 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

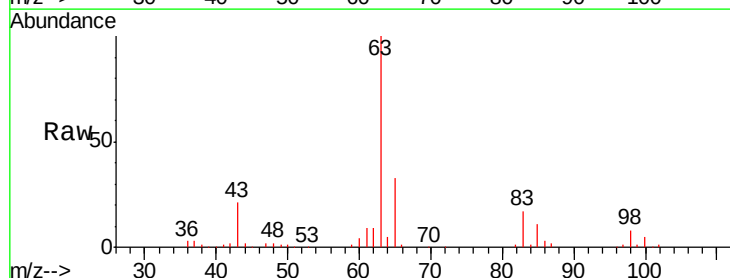
Tgt Ion: 63 Resp: 581177

Ion Ratio Lower Upper

63 100

98 7.8 4.0 12.0

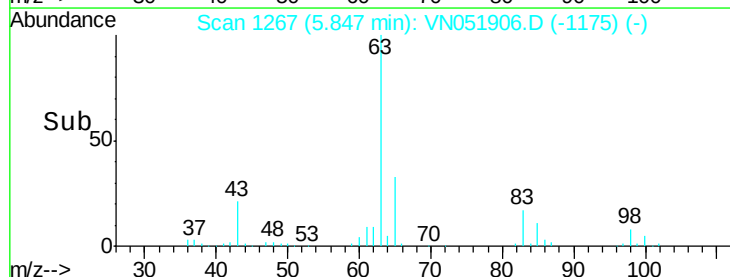
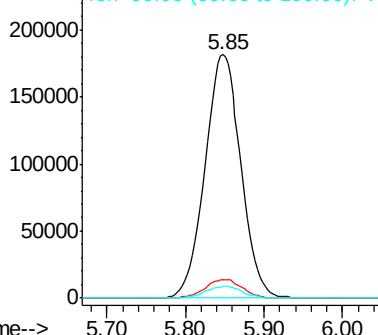
100 4.8 2.4 7.1

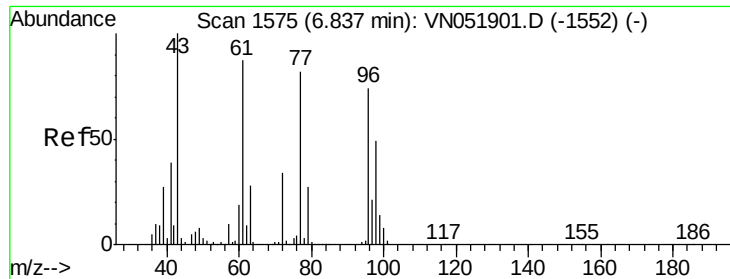


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 219.75 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 43 Resp: 456777

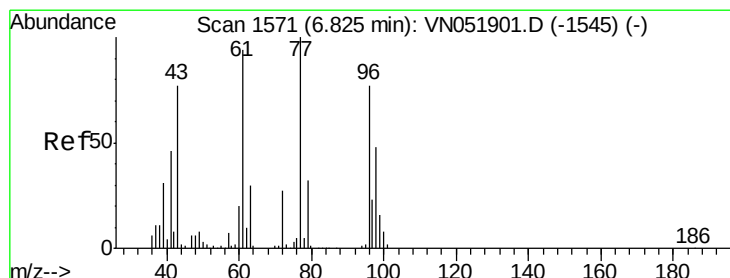
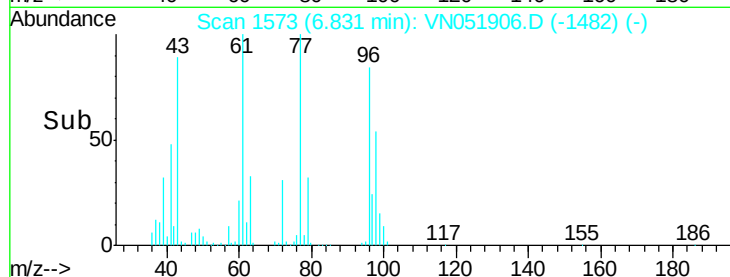
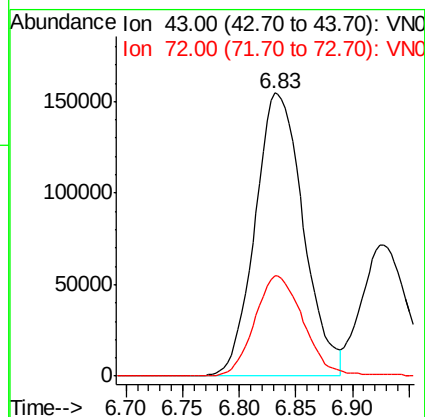
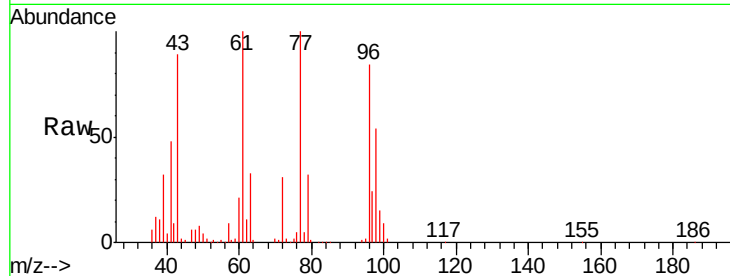
Ion Ratio Lower Upper

43 100

72 35.3 27.0 40.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 53.38 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN051906.D

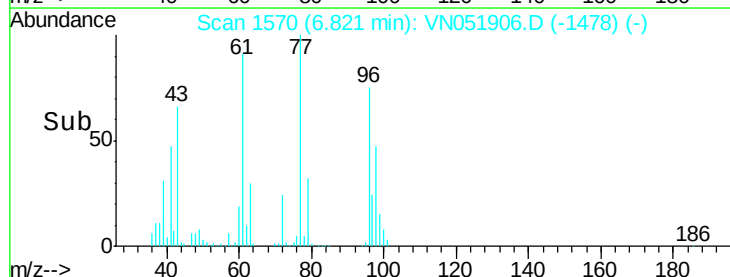
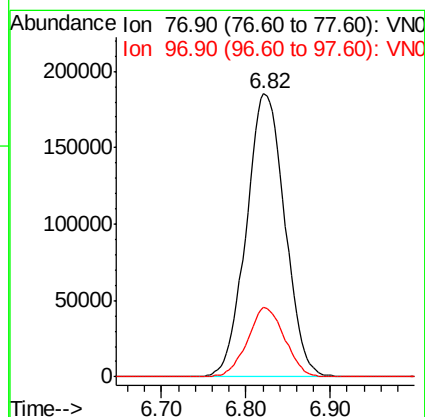
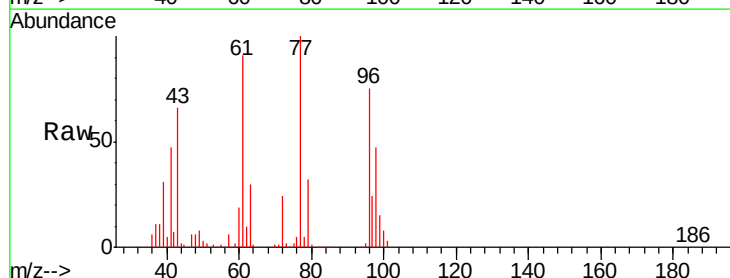
Acq: 17 Oct 2018 14:36

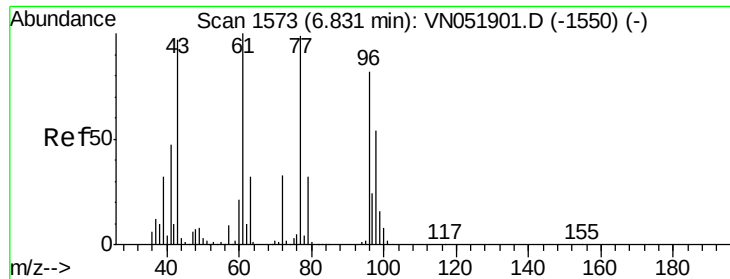
Tgt Ion: 77 Resp: 588405

Ion Ratio Lower Upper

77 100

97 23.7 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 50.70 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

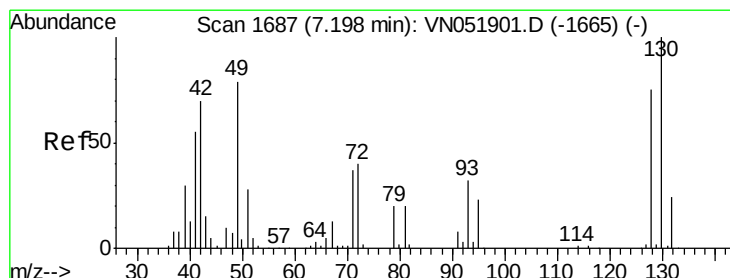
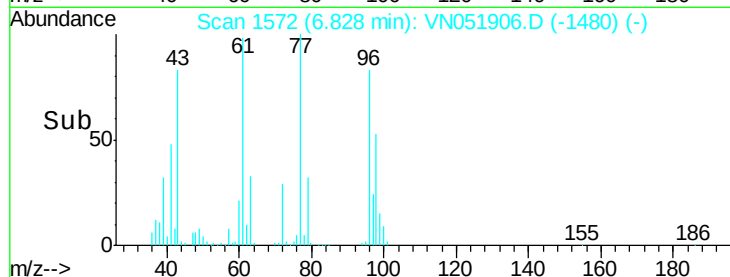
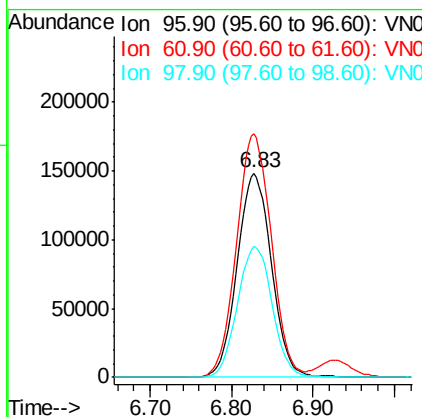
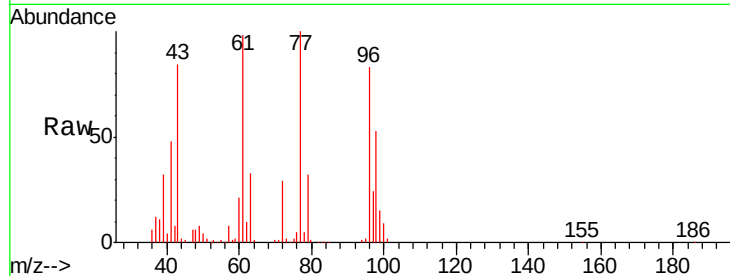
ClientSampleId :

ICVVN101718

Tgt Ion:	96	Resp:	431716
Ion	Ratio	Lower	Upper
96	100		
61	120.9	0.0	240.2
98	65.1	0.0	129.8

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#28

Bromochloromethane

Concen: 45.38 ug/l

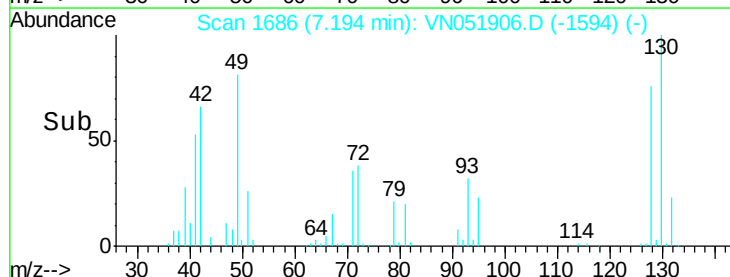
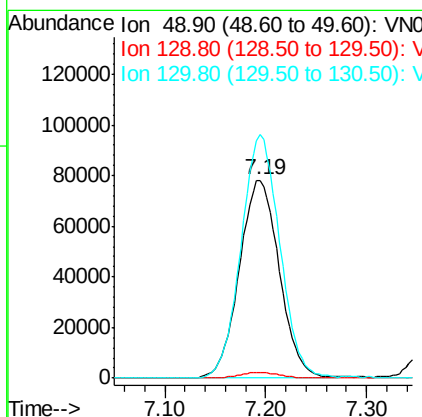
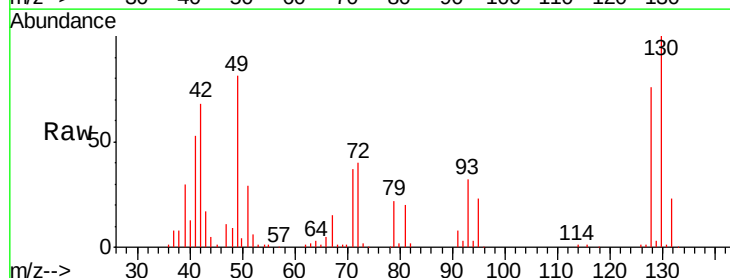
RT: 7.19 min Scan# 1686

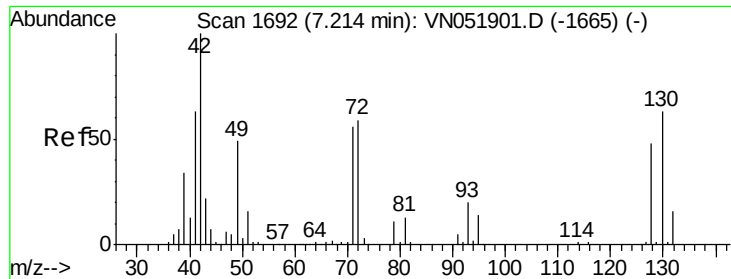
Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Tgt Ion:	49	Resp:	214780
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	6.0
130	119.2	96.7	145.1





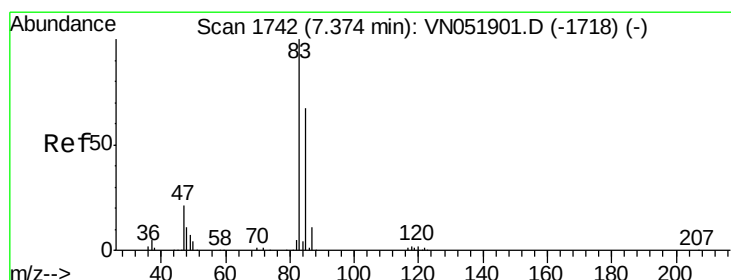
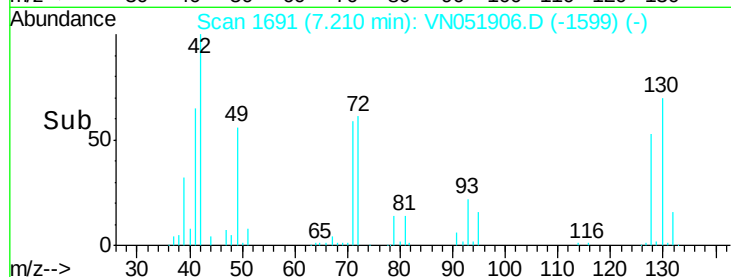
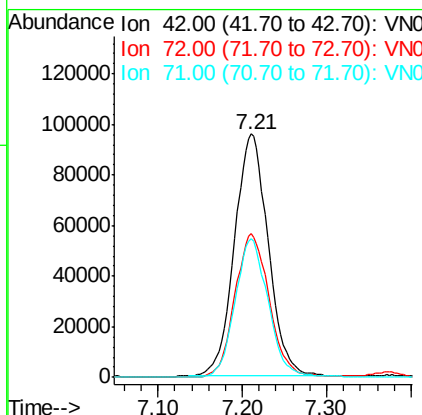
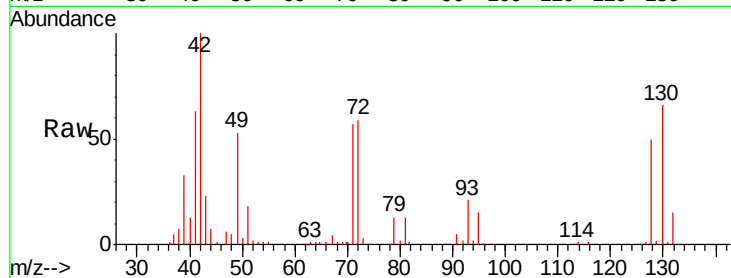
#29
Tetrahydrofuran
Concen: 210.20 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
42	100		
72	60.4	47.7	71.5
71	56.1	45.4	68.0

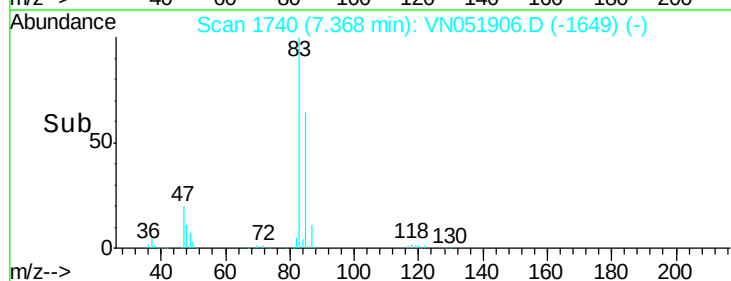
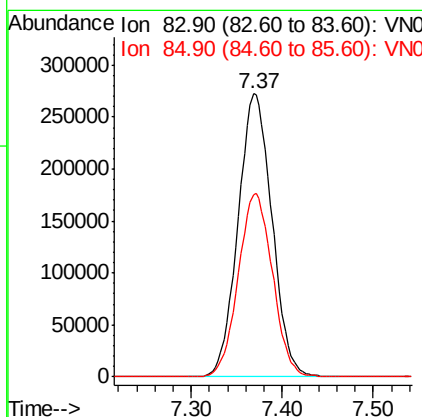
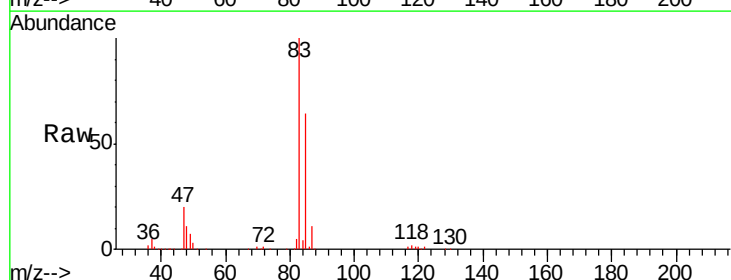
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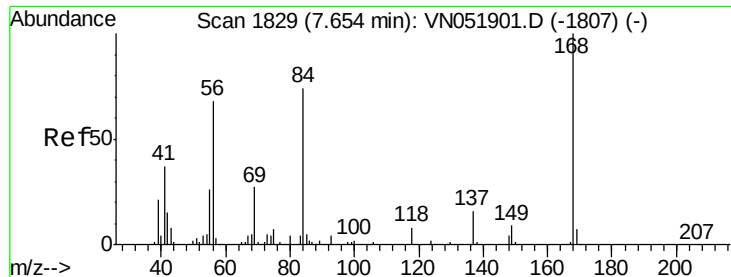
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#30
Chloroform
Concen: 50.62 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.4	80.2





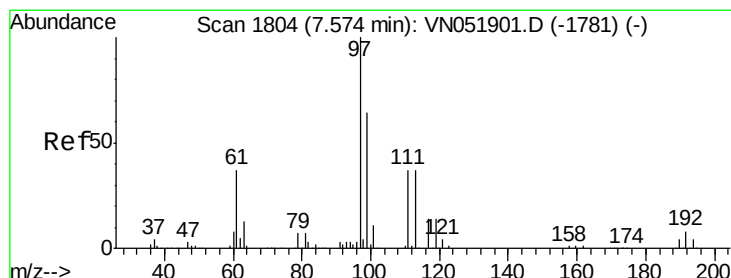
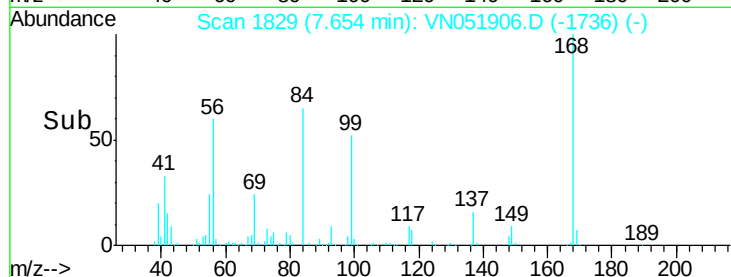
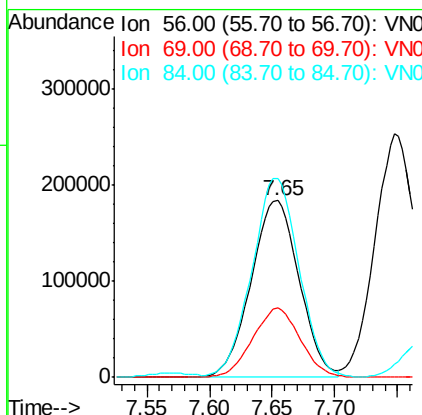
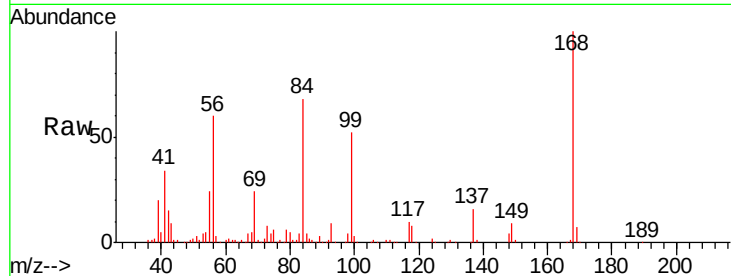
#31
Cyclohexane
Concen: 52.31 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
56	100		
69	39.6	31.2	46.8
84	111.1	86.6	130.0

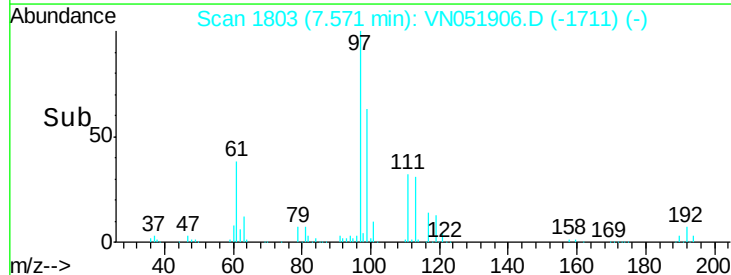
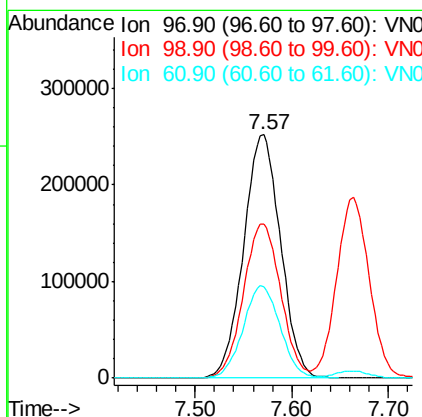
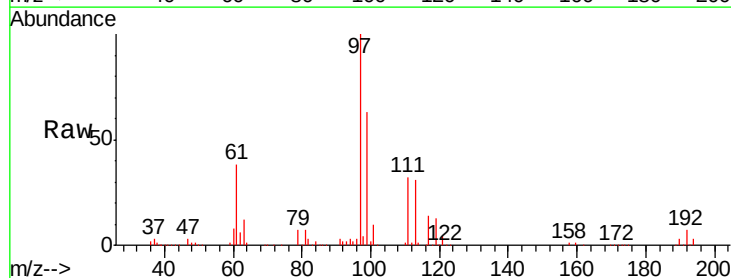
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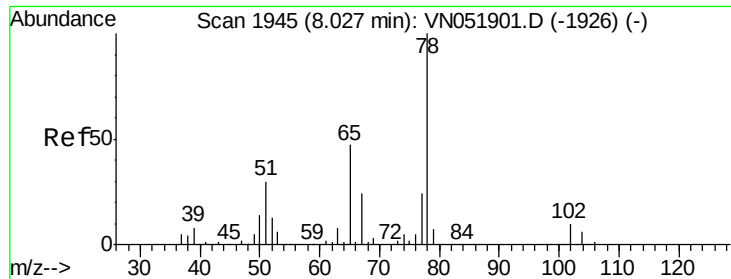
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.53 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	37.9	29.8	44.6





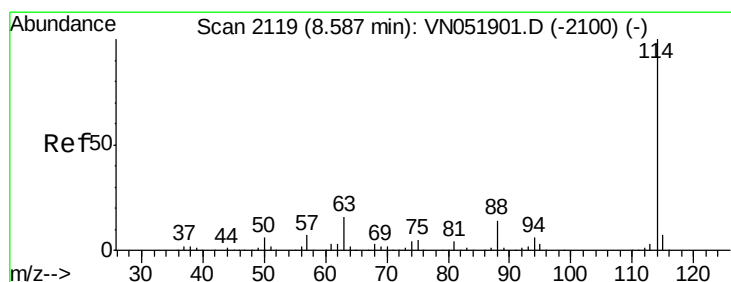
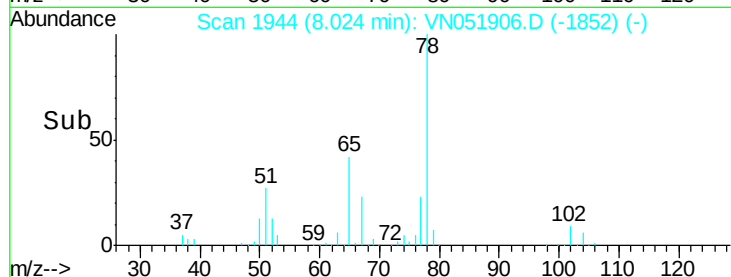
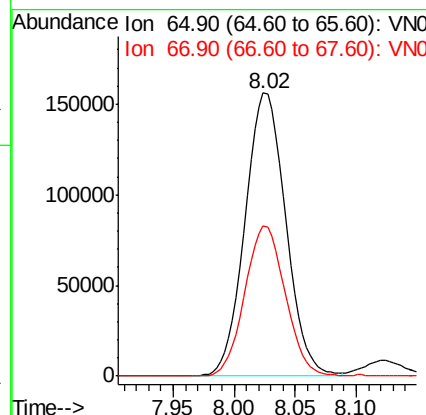
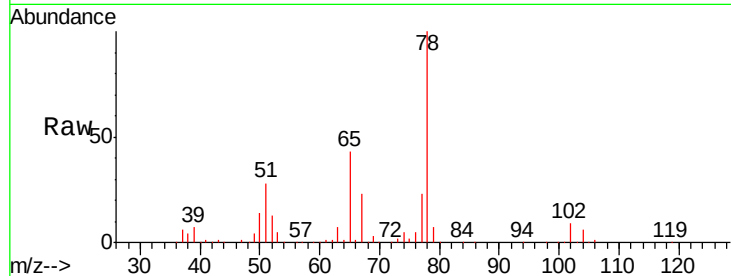
#33
 1,2-Dichloroethane-d4
 Concen: 51.53 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion: 65 Resp: 361281
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0

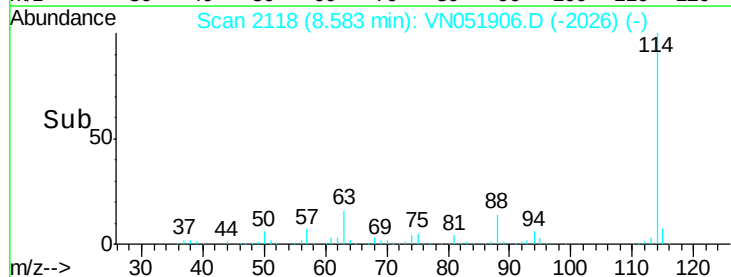
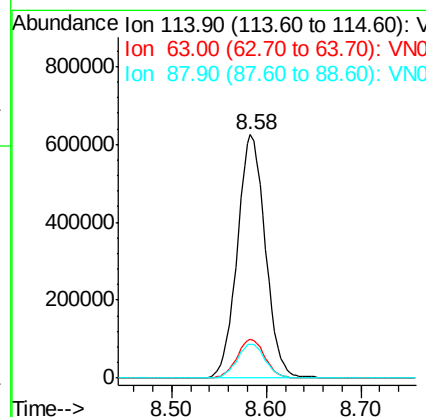
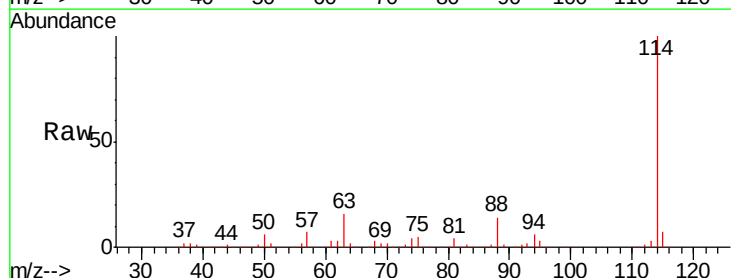
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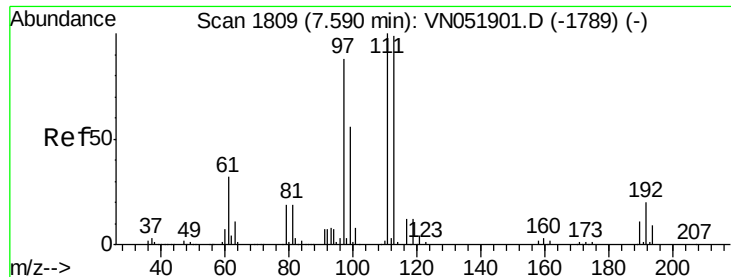
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion: 114 Resp: 1286391
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.8
 88 14.1 0.0 28.0





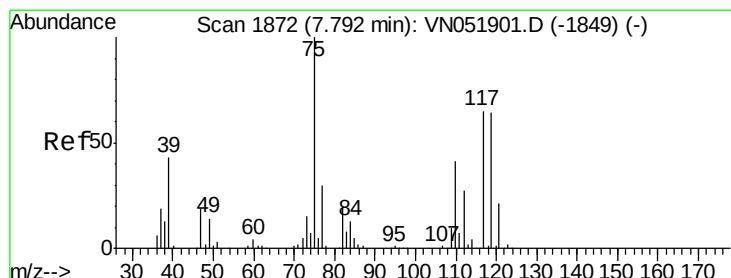
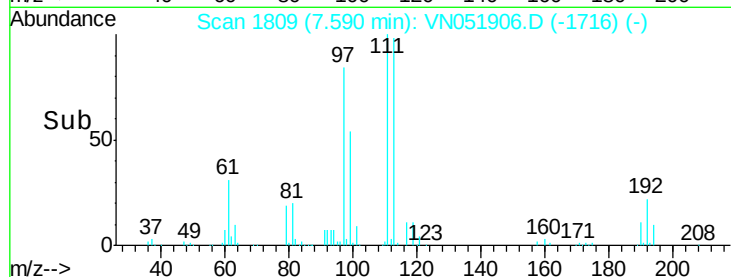
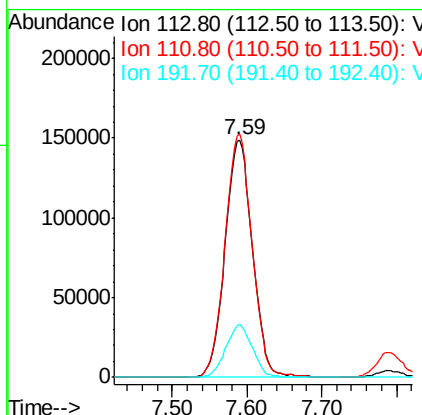
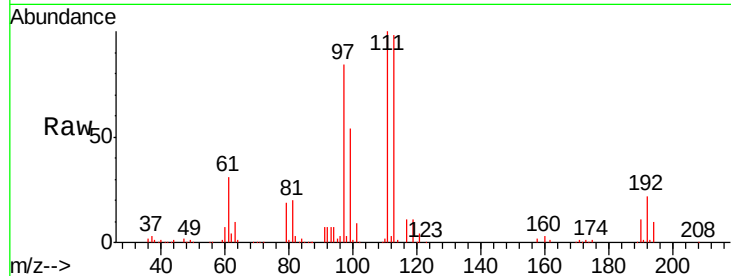
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	377600		
111	101.4	82.6	123.8	
192	21.6	17.3	25.9	

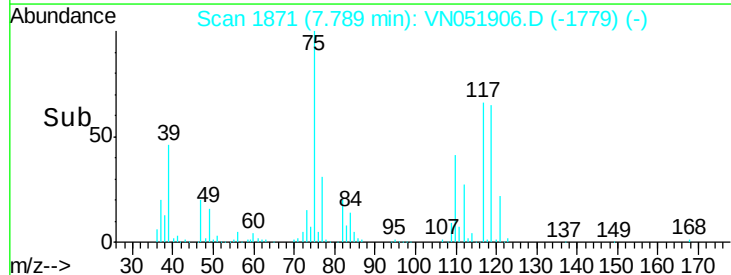
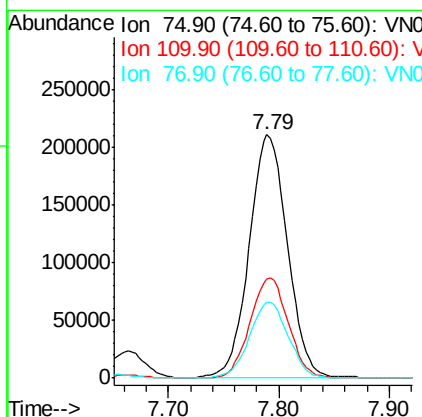
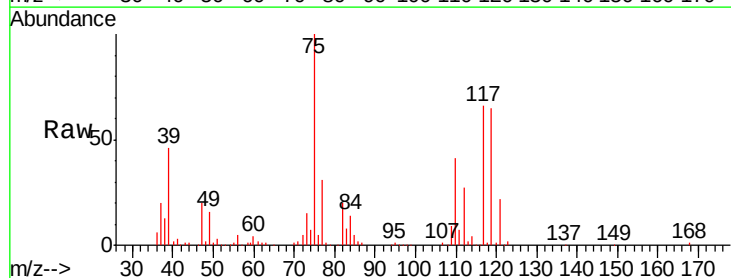
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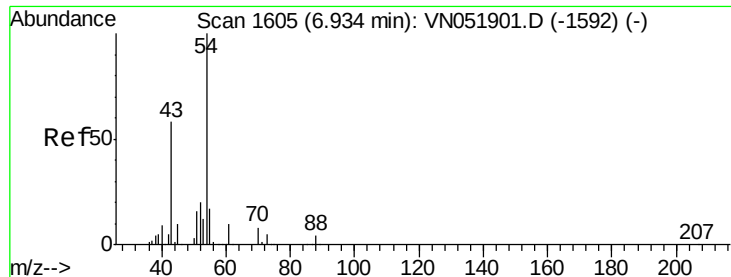
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.33 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	502494		
110	41.6	21.0	63.0	
77	32.0	24.9	37.3	





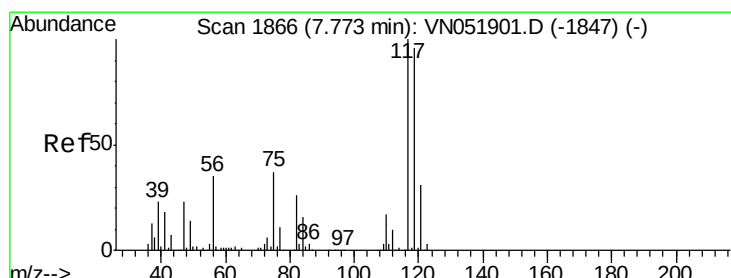
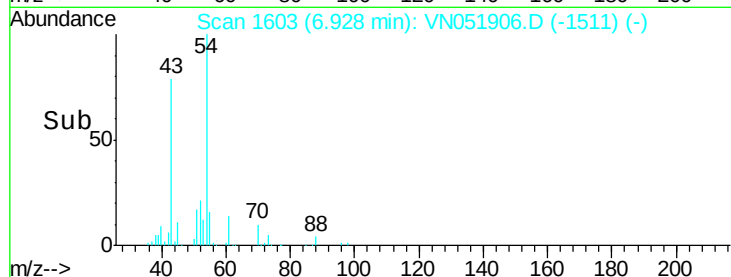
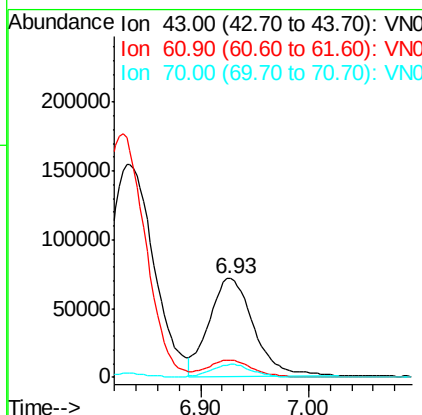
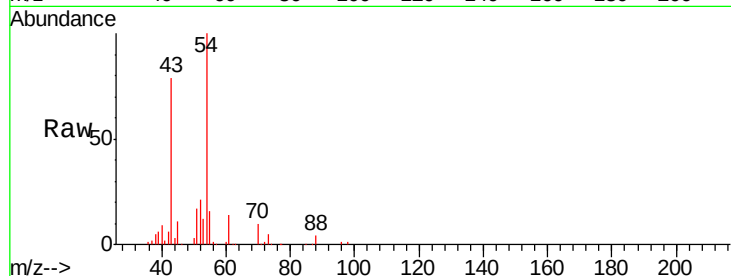
#37
Ethyl Acetate
Concen: 44.31 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.0	13.0	19.6
70	12.4	10.4	15.6

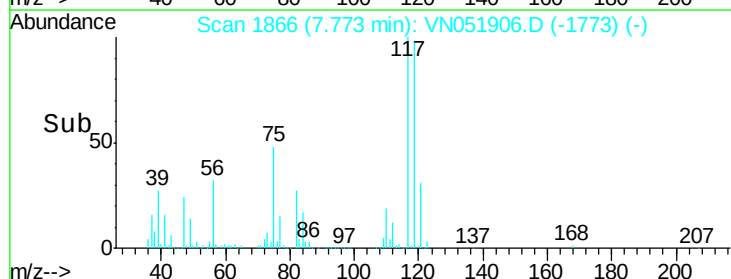
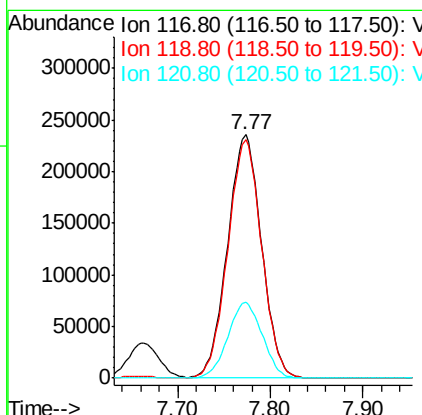
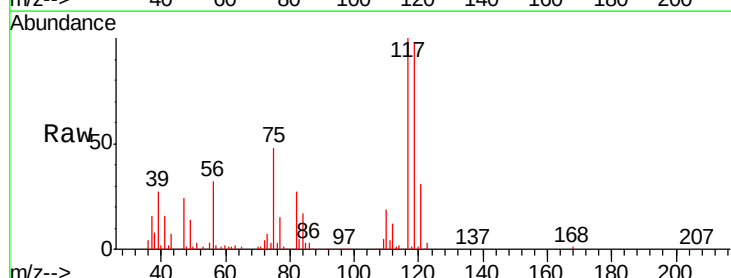
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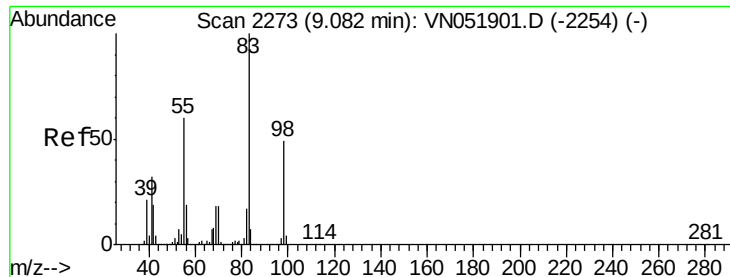
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#38
Carbon Tetrachloride
Concen: 50.83 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.0	115.6
121	31.2	25.1	37.7





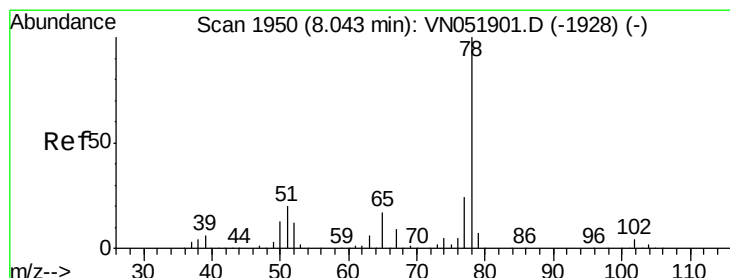
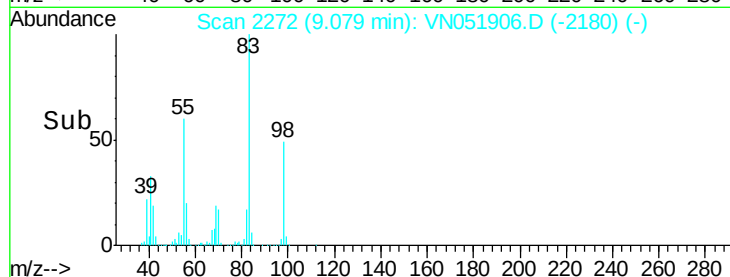
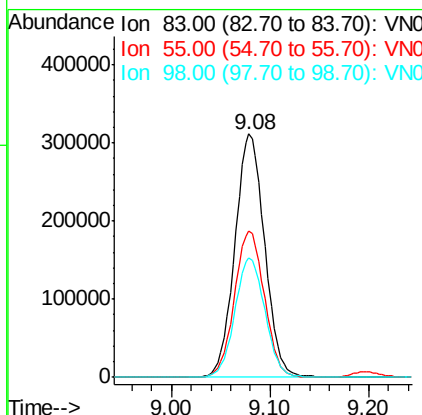
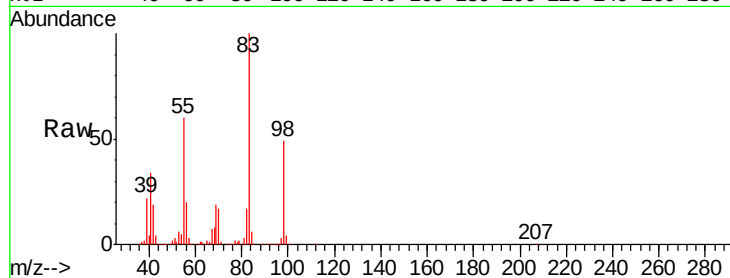
#39
Methylcyclohexane
Concen: 52.78 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
83	100		
55	60.1	47.8	71.8
98	49.1	39.0	58.4

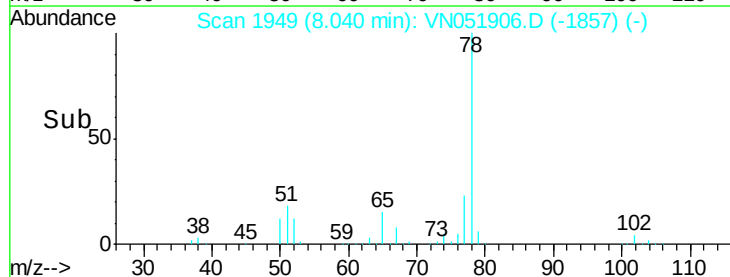
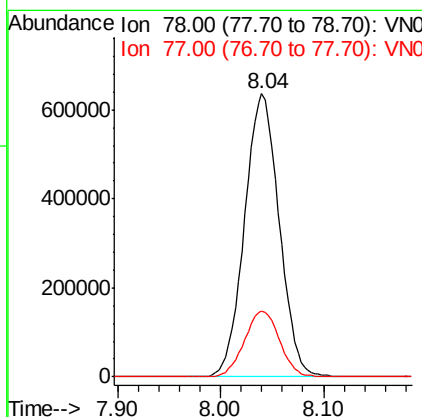
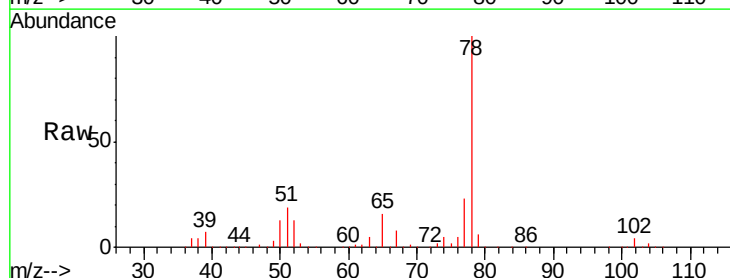
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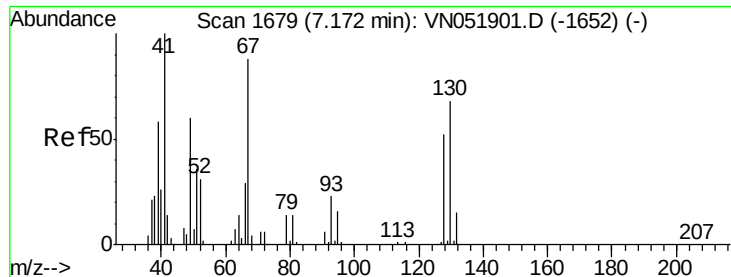
MMDadoda
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#40
Benzene
Concen: 50.85 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





#41

Methacrylonitrile

Concen: 46.47 ug/l m

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 41 Resp: 105378
Ion Ratio Lower Upper

41 100

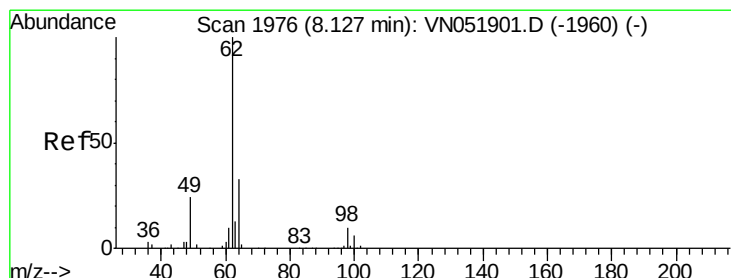
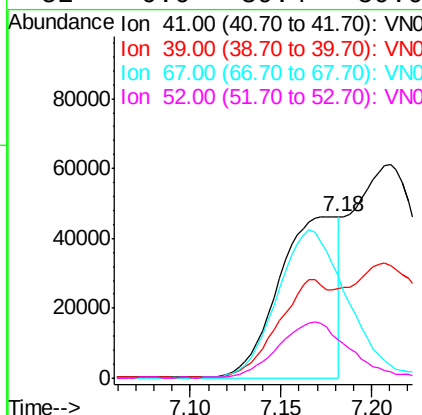
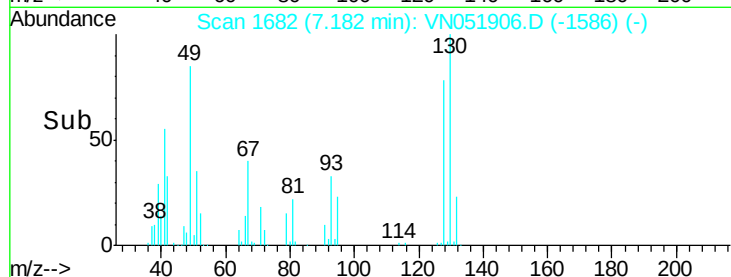
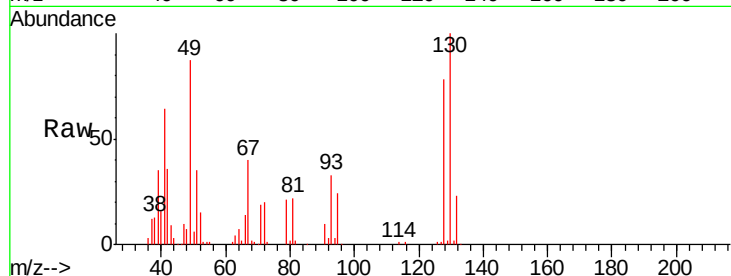
39 0.0 56.1 84.1#

67 0.0 106.5 159.7#

52 0.0 39.4 59.0#

Manual Integrations
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10/19/2018 3:29:42 PM



#42

1,2-Dichloroethane

Concen: 50.13 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

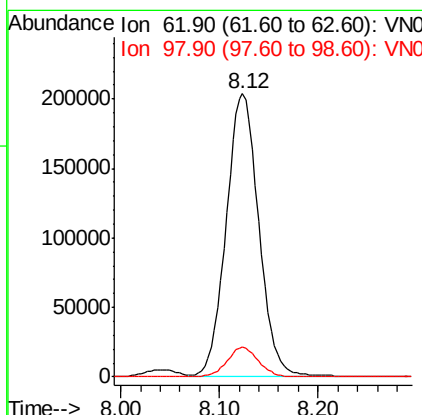
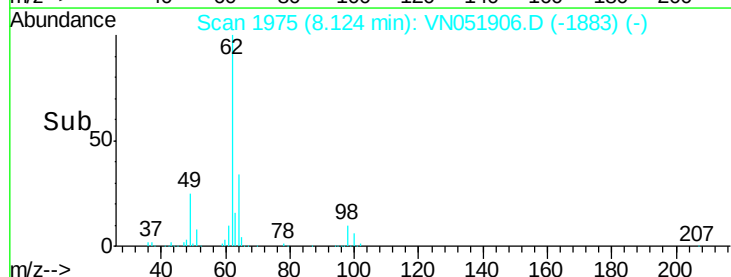
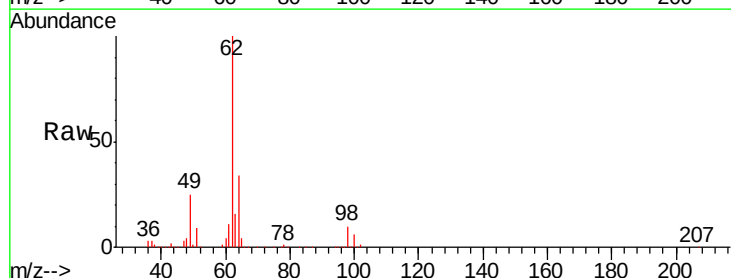
Lab File: VN051906.D

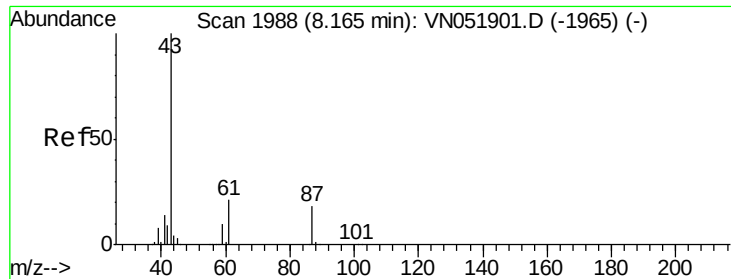
Acq: 17 Oct 2018 14:36

Tgt Ion: 62 Resp: 468414
Ion Ratio Lower Upper

62 100

98 10.1 0.0 19.6





#43

Isopropyl Acetate

Concen: 44.26 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

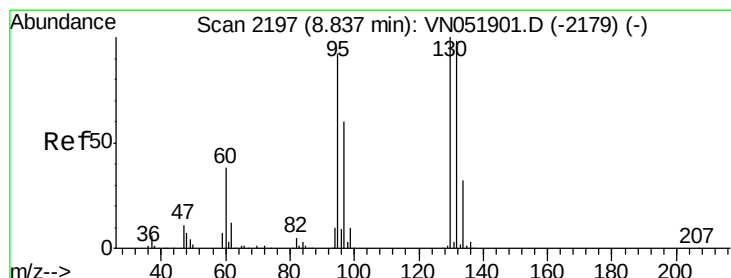
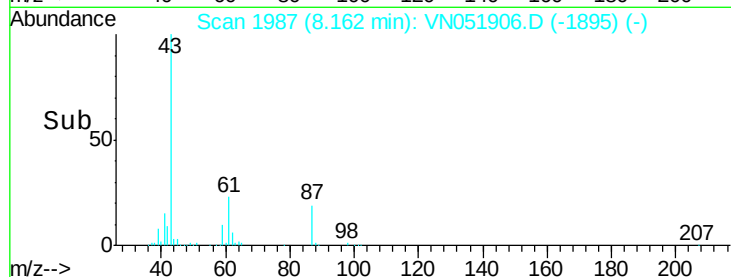
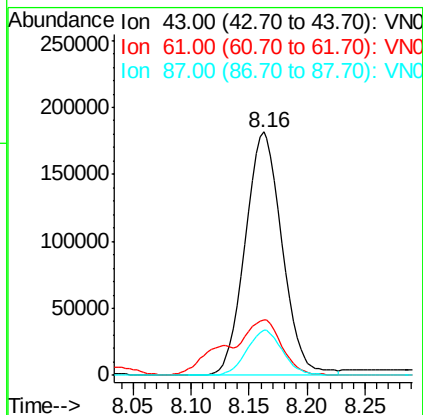
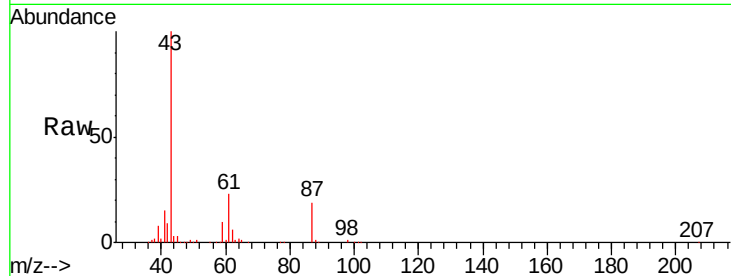
ClientSampleId :

ICVVN101718

Tgt Ion:	43	Resp:	402562
Ion	Ratio	Lower	Upper
43	100		
61	21.9	24.9	37.3#
87	18.1	14.6	22.0

Manual Integrations
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#44

Trichloroethene

Concen: 51.33 ug/l

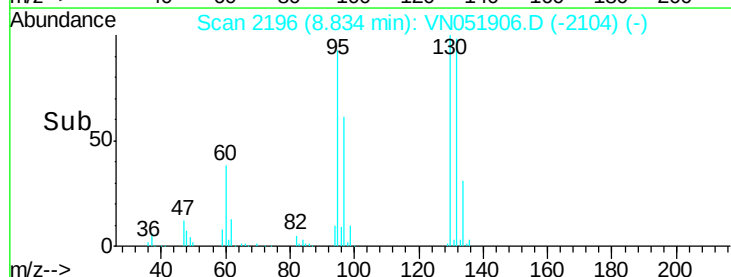
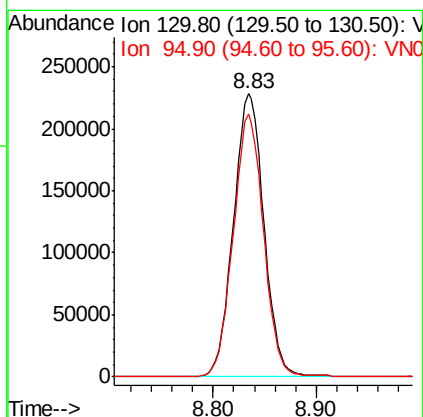
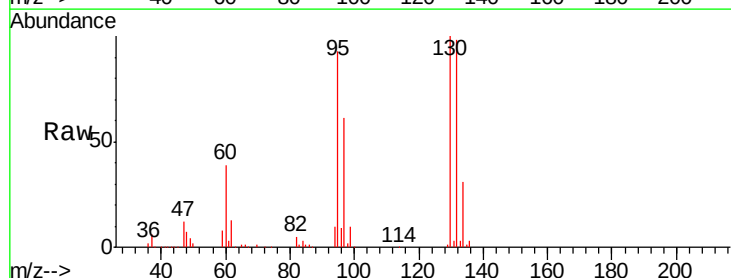
RT: 8.83 min Scan# 2196

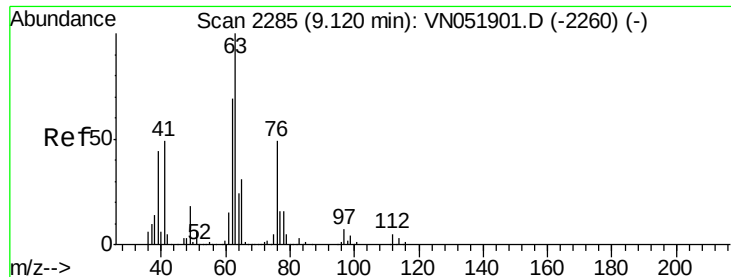
Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Tgt Ion:	130	Resp:	469864
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	183.2





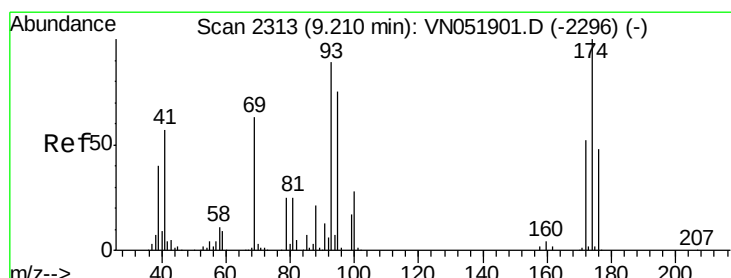
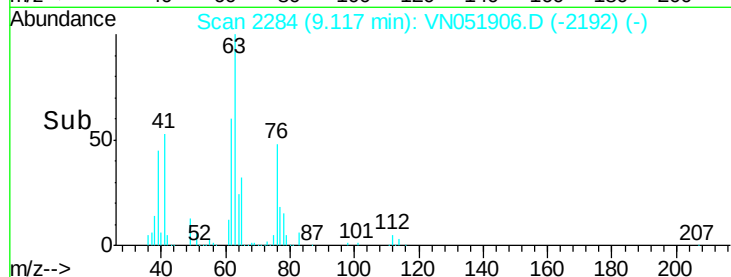
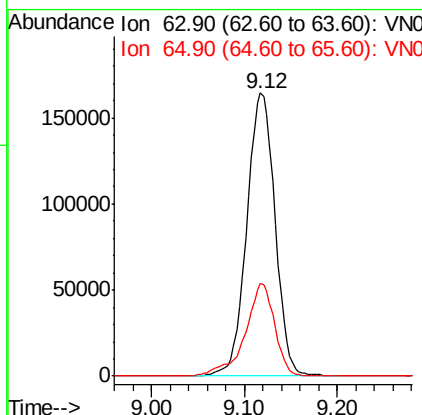
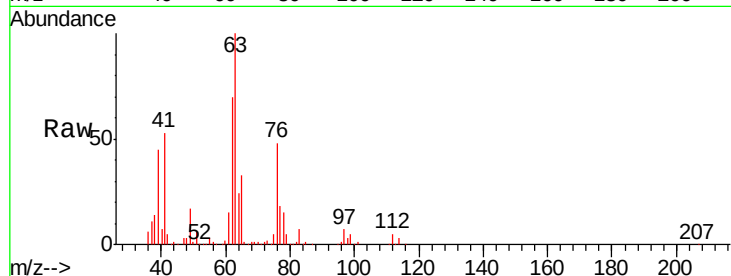
#45
 1,2-Dichloropropane
 Concen: 51.64 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion: 63 Resp: 348254
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.9 37.3

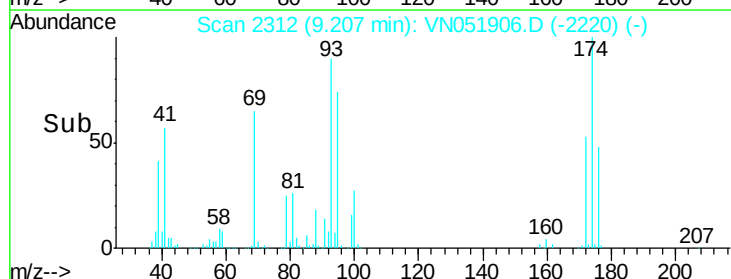
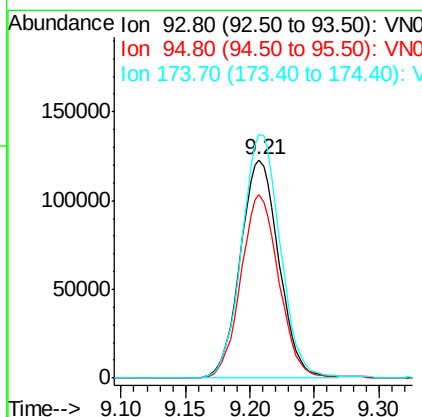
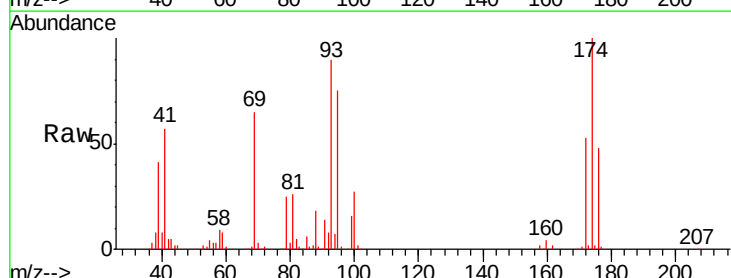
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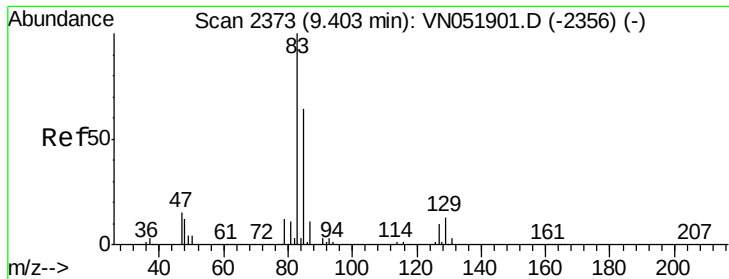
MMDadoda
 10/19/2018 3:29:42 PM



#46
 Dibromomethane
 Concen: 49.72 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion: 93 Resp: 255618
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.8 101.6
 174 111.8 91.9 137.9





#47

Bromodichloromethane

Concen: 52.68 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

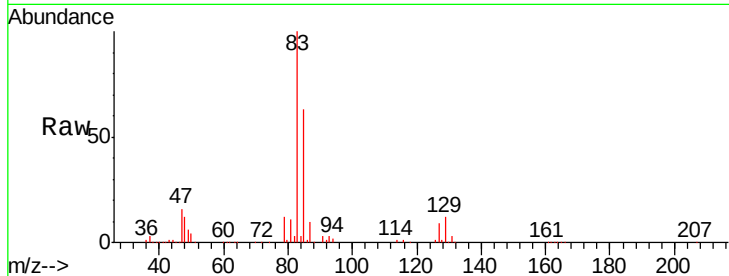
ClientSampleId :

ICVVN101718

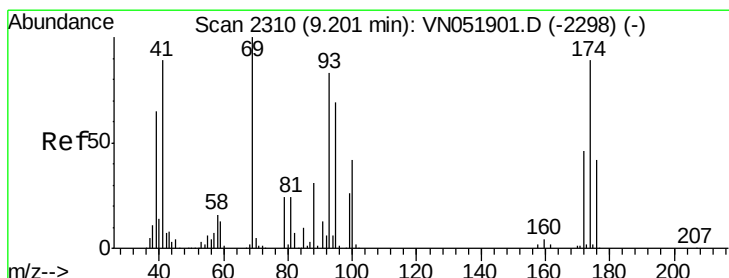
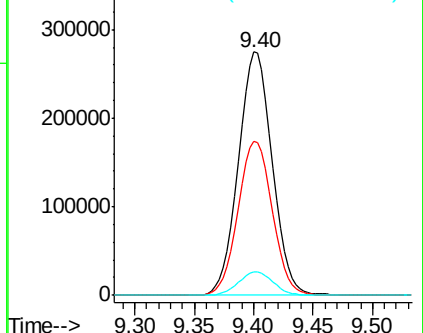
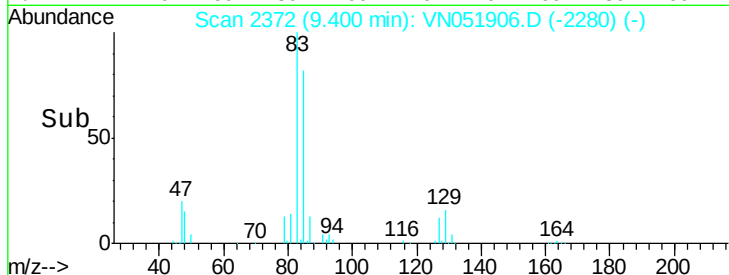
Tgt Ion:	83	Resp:	542796
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2
127	9.5	7.9	11.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051906.D (-2280) (-)



#48

Methyl methacrylate

Concen: 46.30 ug/l

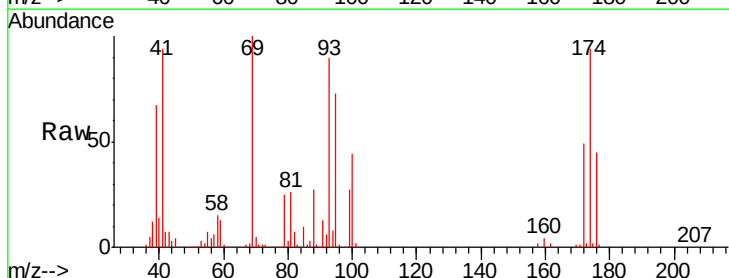
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

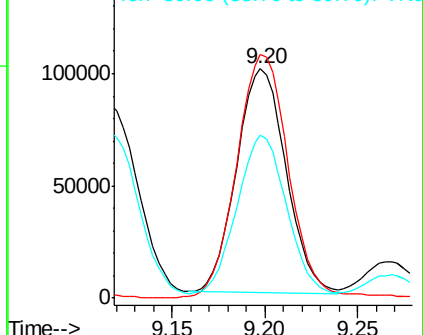
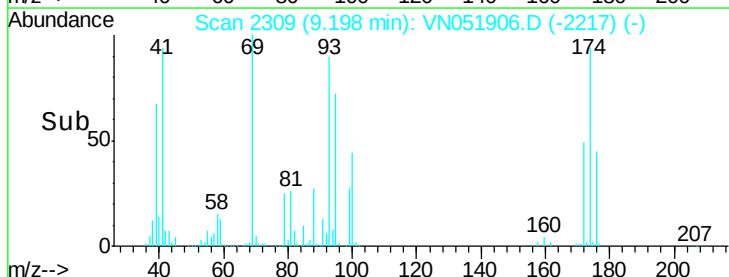
Lab File: VN051906.D

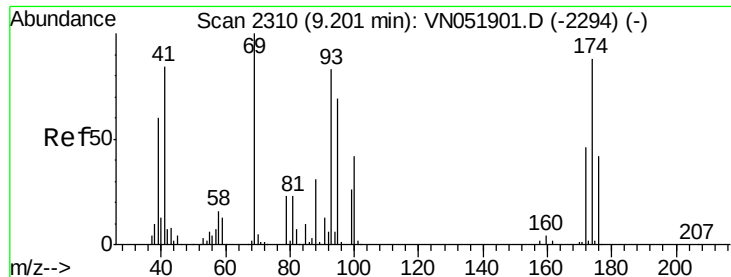
Acq: 17 Oct 2018 14:36

Tgt Ion:	41	Resp:	186599
Ion	Ratio	Lower	Upper
41	100		
69	114.7	90.2	135.2
39	73.7	59.7	89.5



Abundance Ion 41.00 (40.70 to 41.70): VN051906.D (-2217) (-)





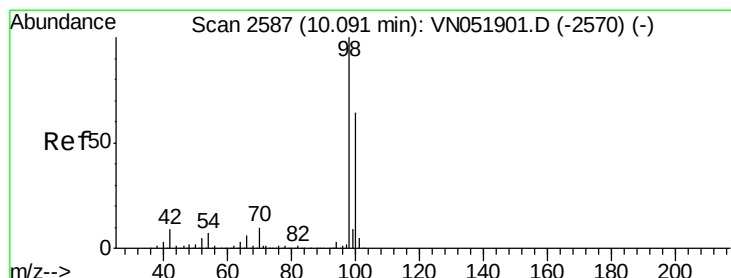
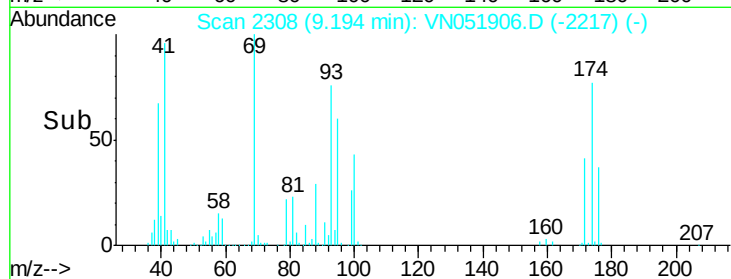
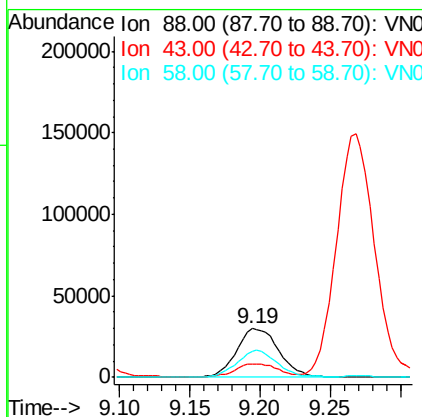
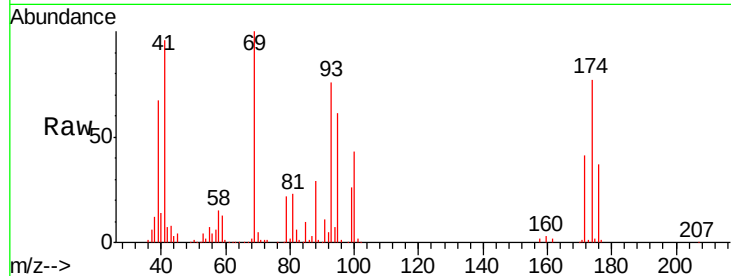
#49
1,4-Dioxane
Concen: 828.68 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
88	100		
43	25.6	19.7	29.5
58	52.9	42.6	64.0

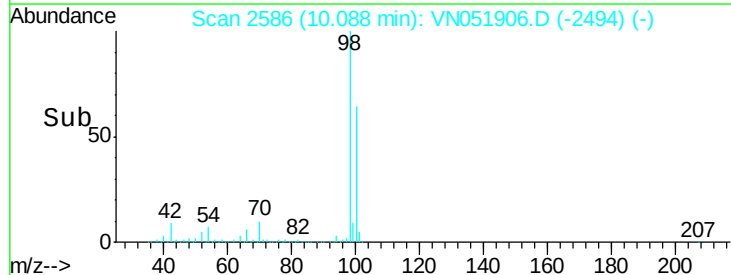
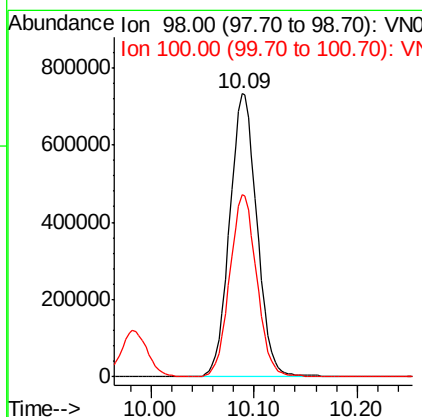
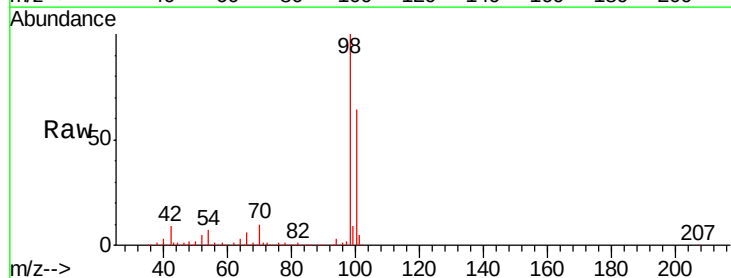
Manual Integrations
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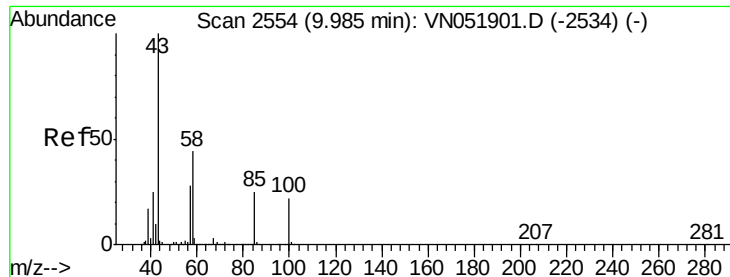
MMDadoda
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#50
Toluene-d8
Concen: 828.68 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 221.33 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 43 Resp: 1028716

Ion Ratio Lower Upper

43 100

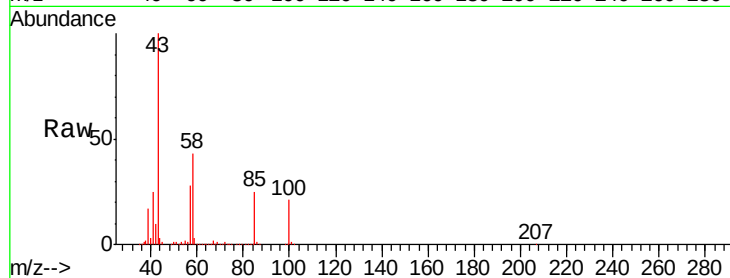
58 43.2 34.6 52.0

Manual Integrations

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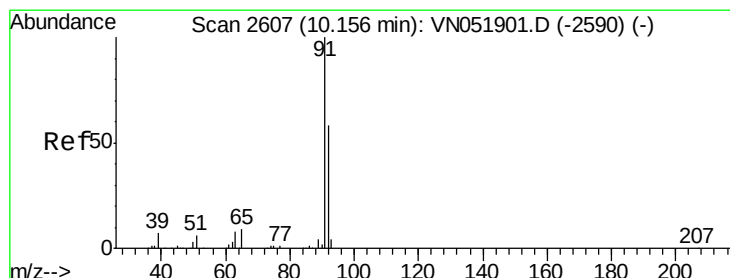
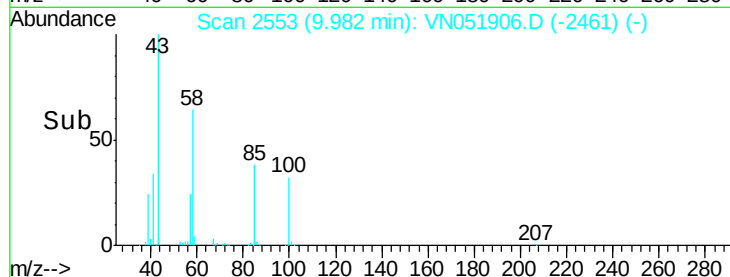
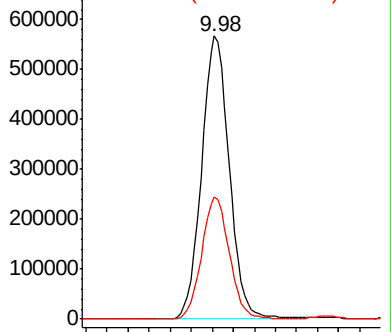
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.94 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN051906.D

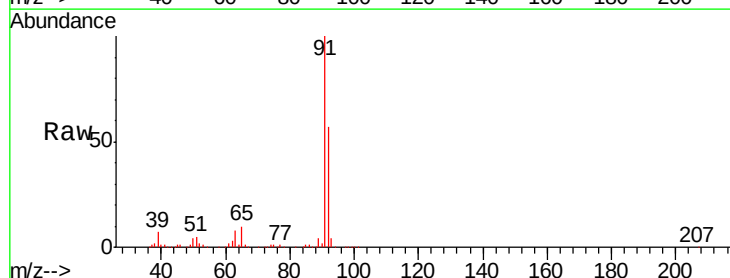
Acq: 17 Oct 2018 14:36

Tgt Ion: 92 Resp: 1013396

Ion Ratio Lower Upper

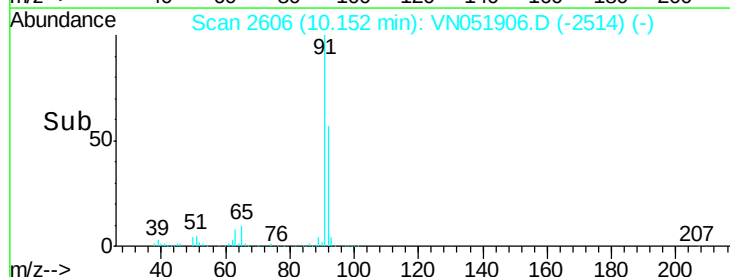
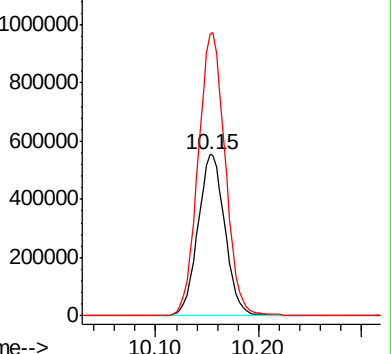
92 100

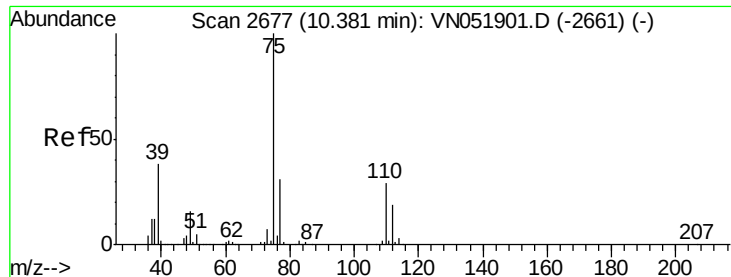
91 176.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





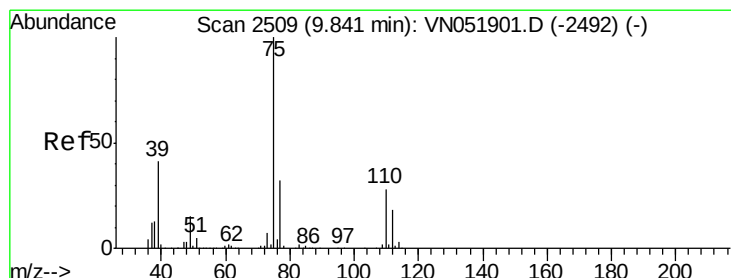
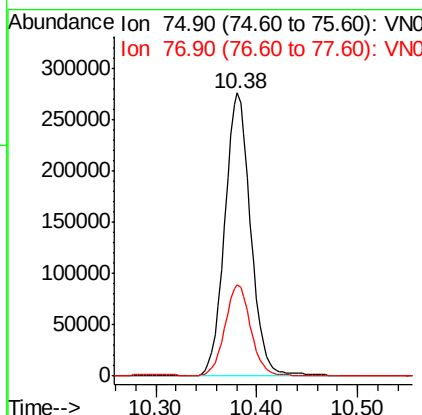
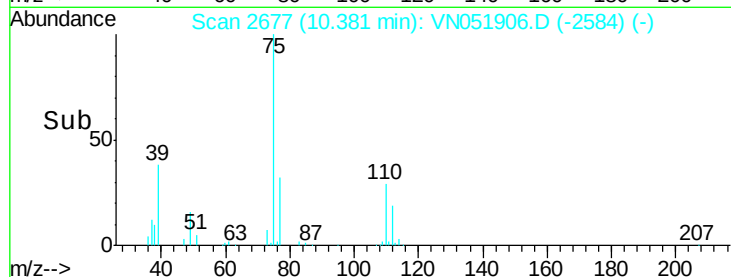
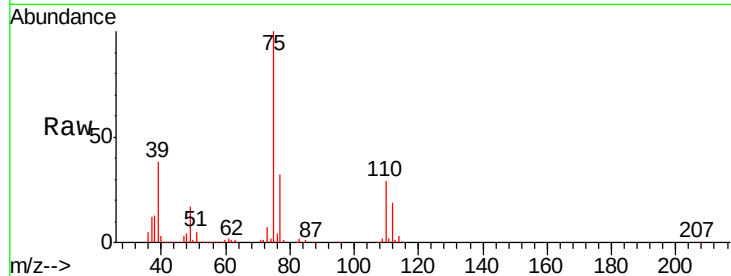
#53
 t-1,3-Dichloropropene
 Concen: 50.75 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion: 75 Resp: 495570
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0

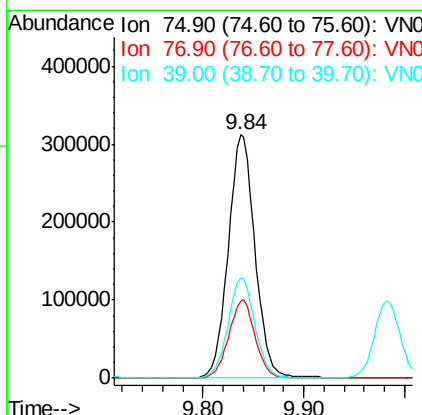
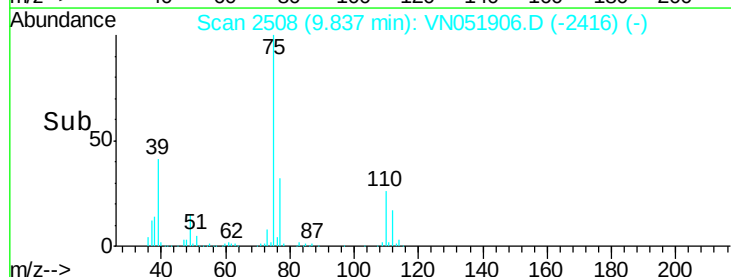
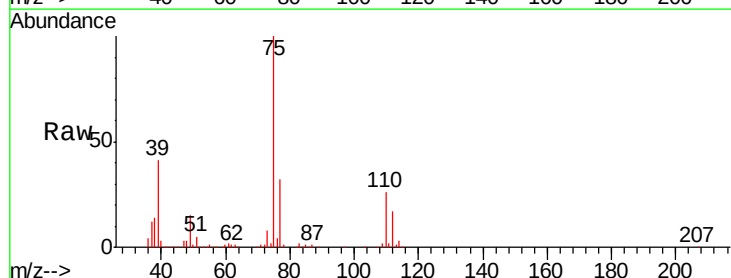
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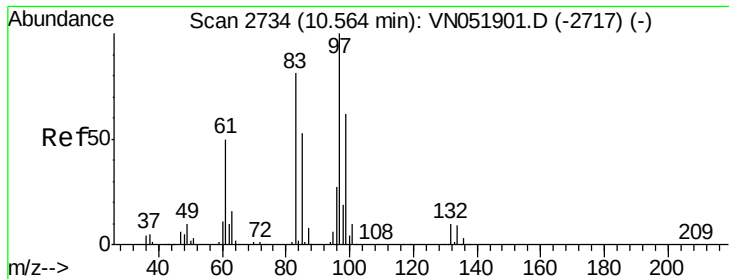
MMDadoda
 10/19/2018 3:29:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.86 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion: 75 Resp: 575522
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.3 37.9
 39 41.1 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 49.61 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

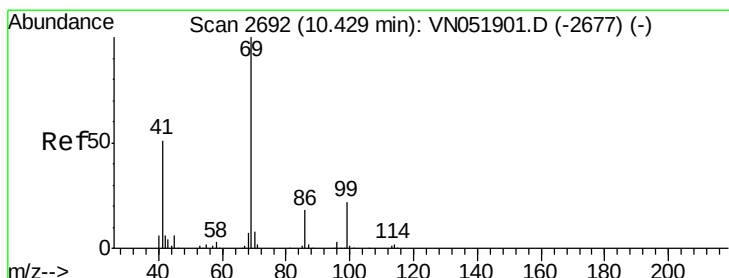
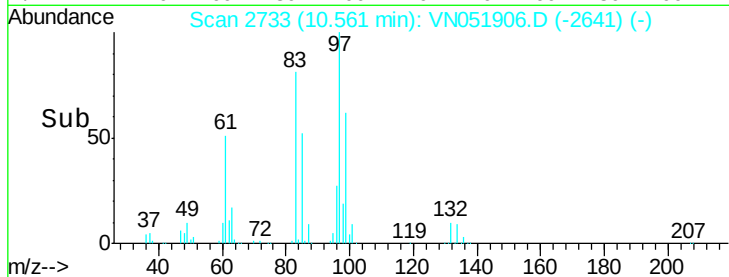
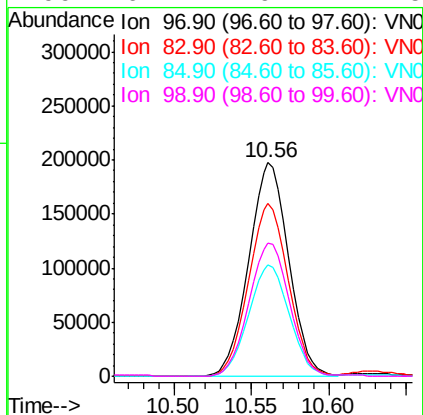
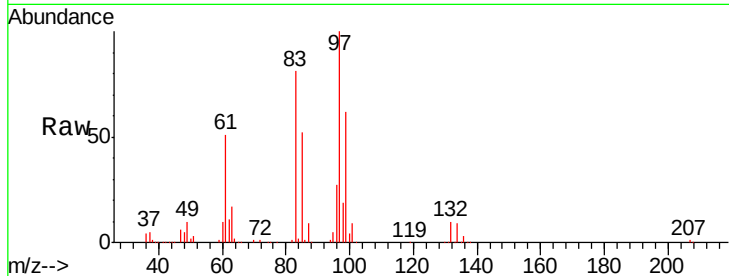
ClientSampleId :

ICVVN101718

Tgt Ion:	97	Resp:	354672
Ion	Ratio	Lower	Upper
97	100		
83	80.8	64.6	96.8
85	52.4	42.3	63.5
99	62.4	49.7	74.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.93 ug/l

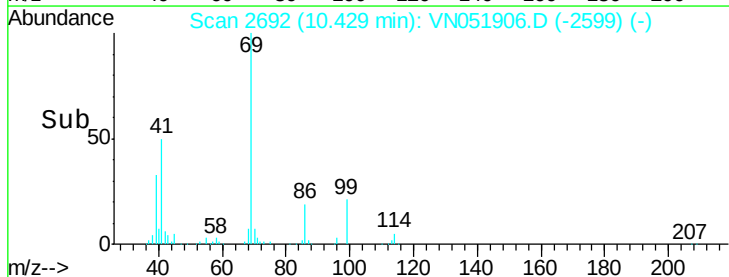
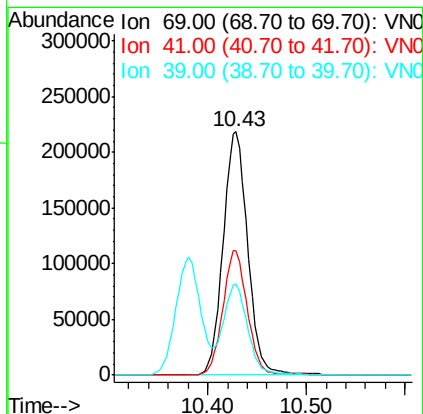
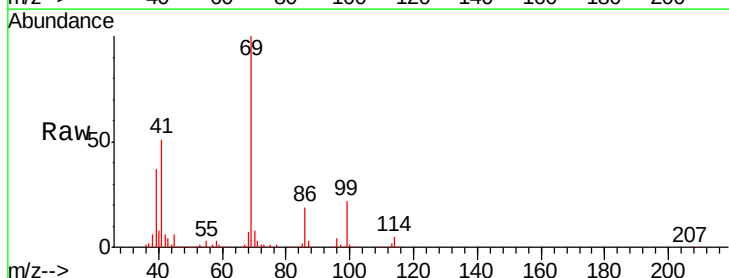
RT: 10.43 min Scan# 2692

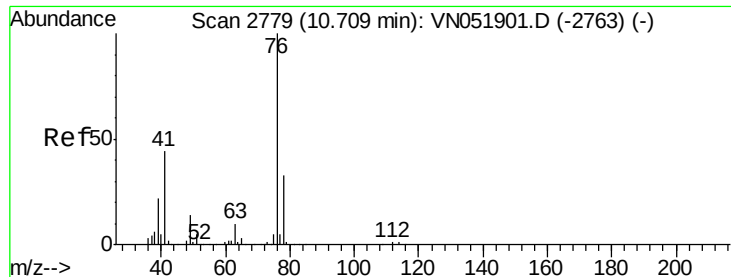
Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Tgt Ion:	69	Resp:	383080
Ion	Ratio	Lower	Upper
69	100		
41	50.2	40.6	61.0
39	35.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 49.76 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 76 Resp: 541654

Ion Ratio Lower Upper

76 100

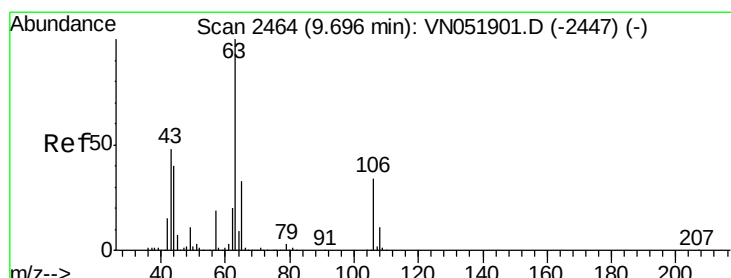
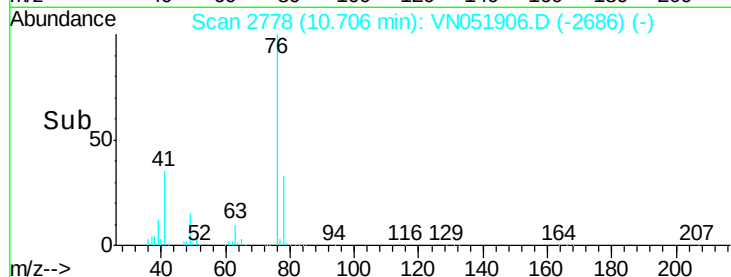
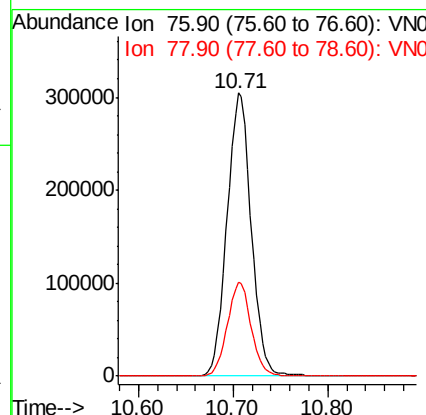
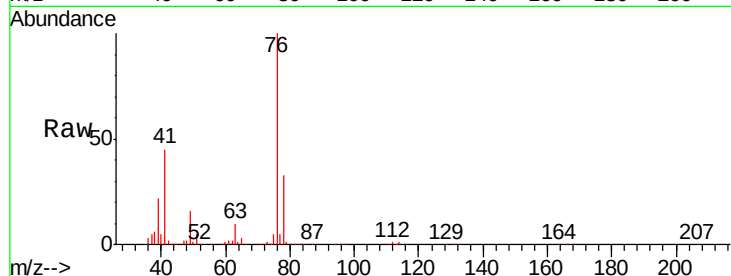
78 32.6 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 213.11 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051906.D

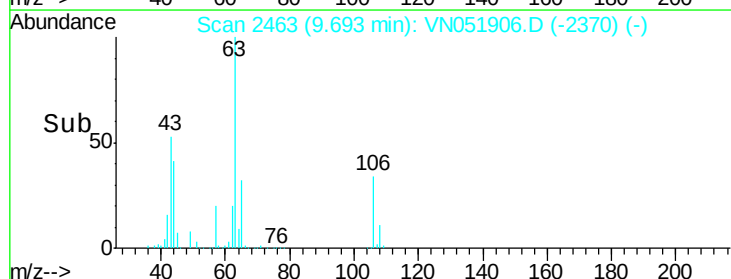
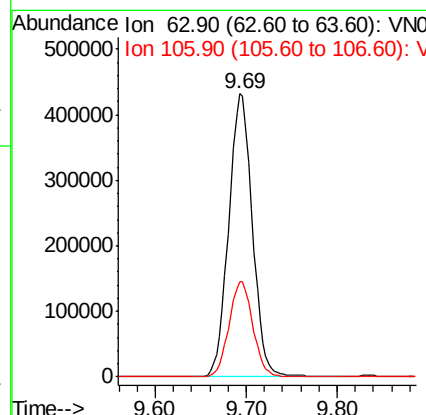
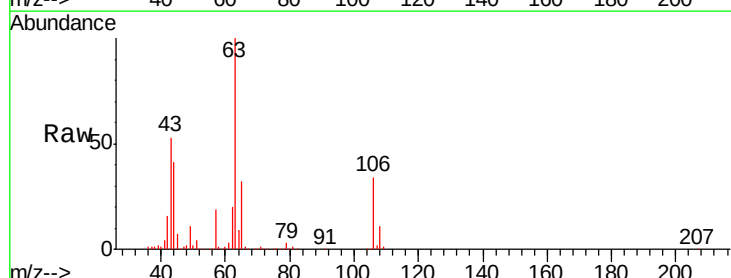
Acq: 17 Oct 2018 14:36

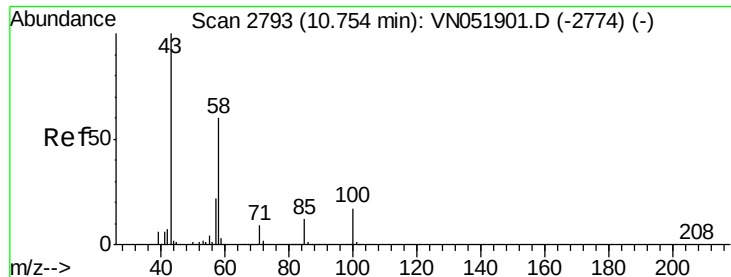
Tgt Ion: 63 Resp: 782582

Ion Ratio Lower Upper

63 100

106 33.8 27.5 41.3





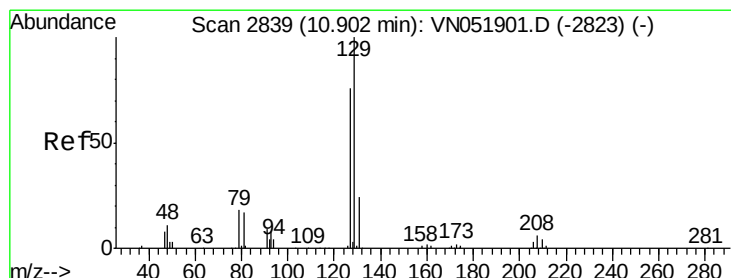
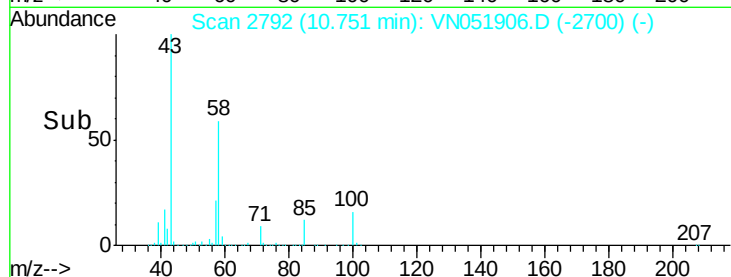
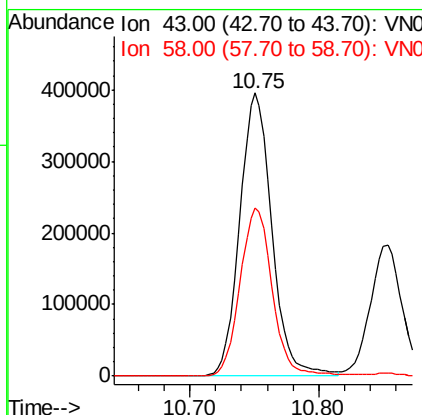
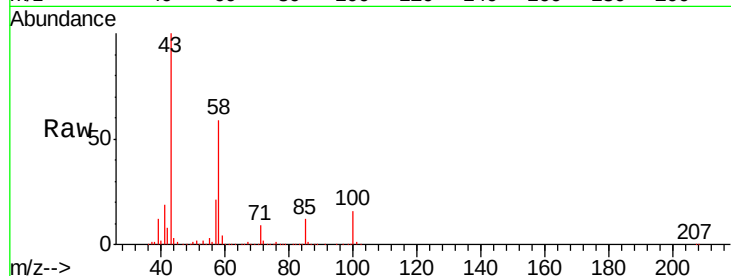
#59
2-Hexanone
Concen: 219.87 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion: 43 Resp: 685228
Ion Ratio Lower Upper
43 100
58 59.8 29.8 89.5

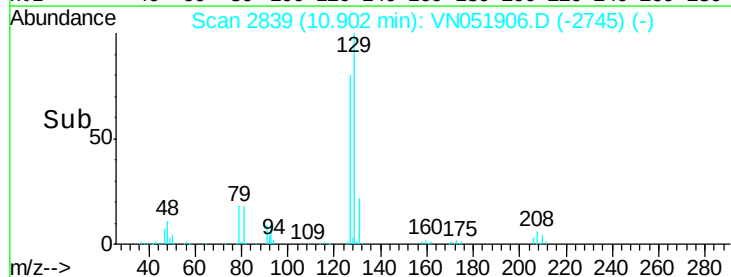
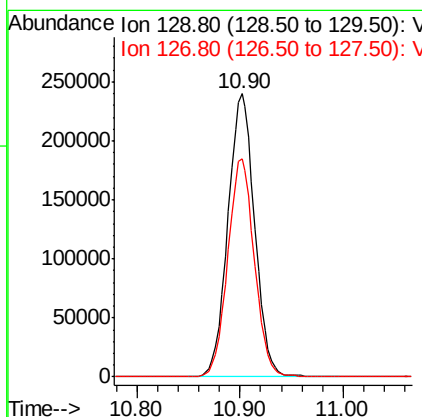
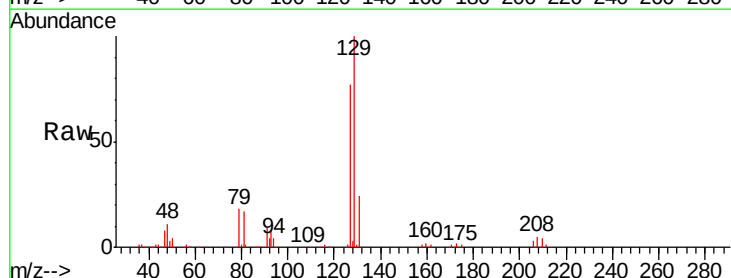
Manual Integrations
APPROVED

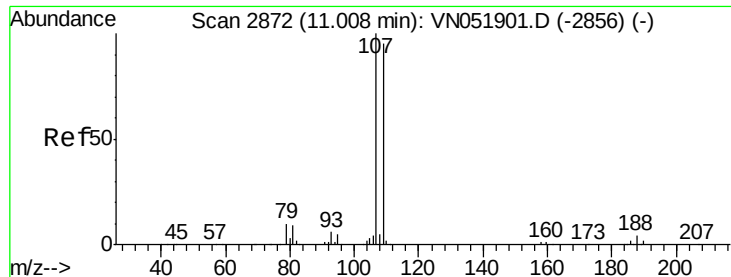
MMDadoda
10/19/2018 3:29:42 PM



#60
Dibromochloromethane
Concen: 45.40 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion: 129 Resp: 433125
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





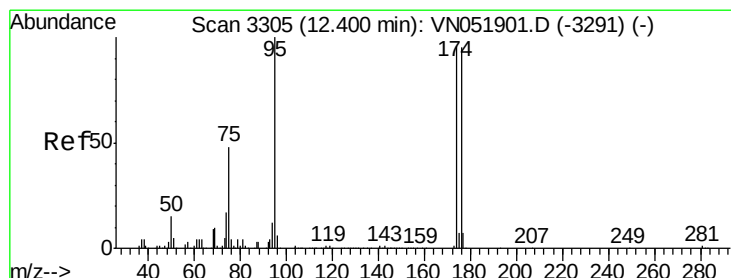
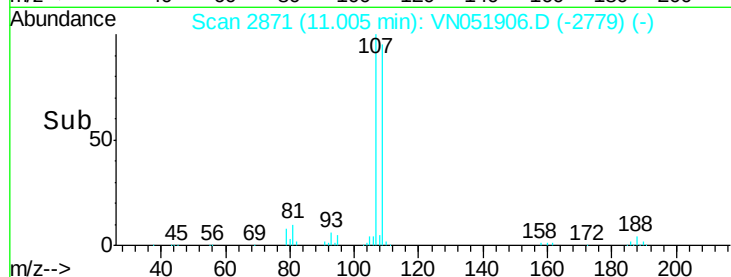
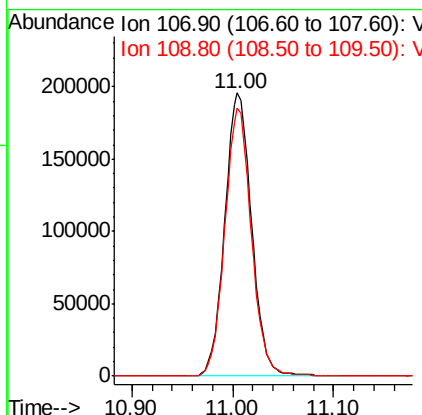
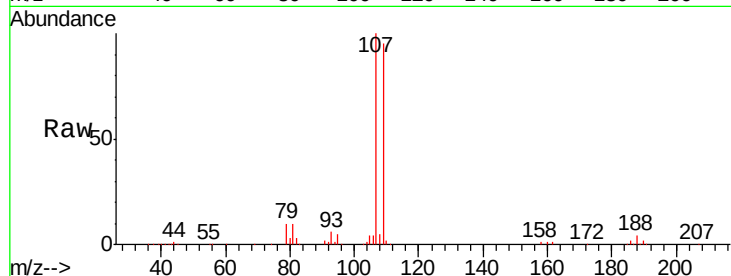
#61
 1,2-Dibromoethane
 Concen: 48.45 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

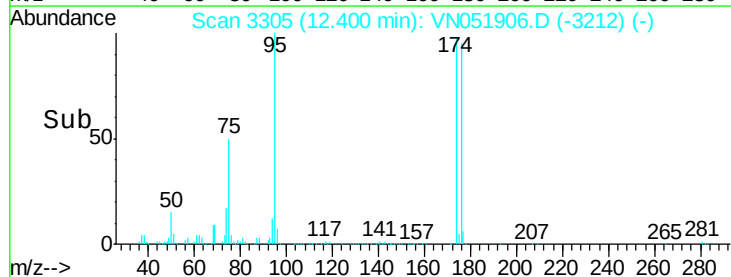
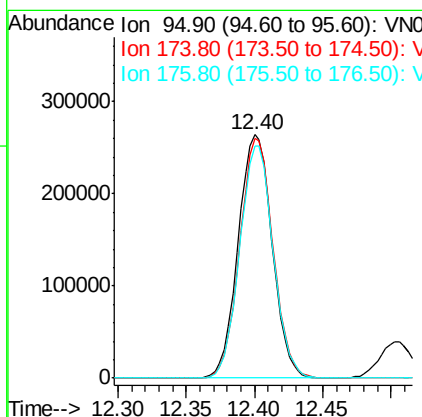
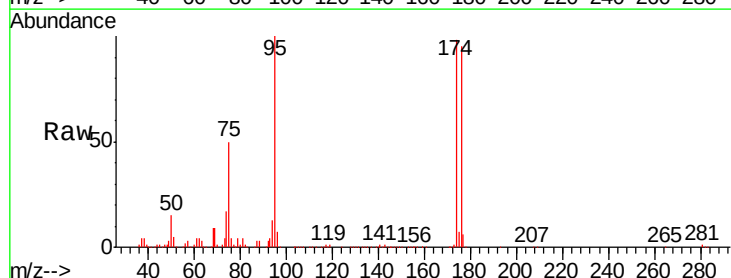
Manual Integrations
 APPROVED

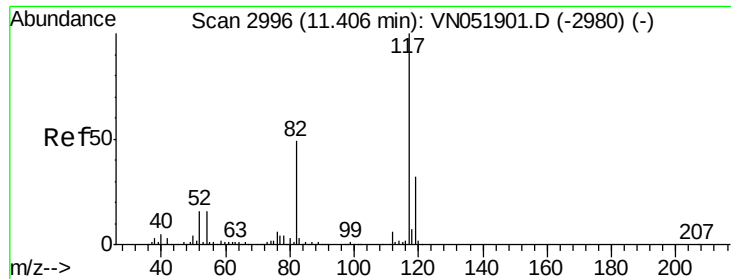
MMDadoda
 10/19/2018 3:29:42 PM



#62
 4-Bromofluorobenzene
 Concen: 48.45 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	195.0
176	94.2	0.0	191.4





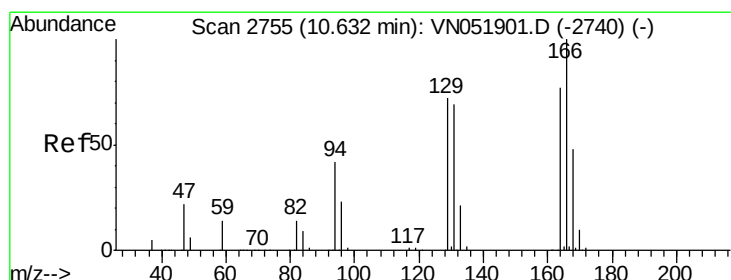
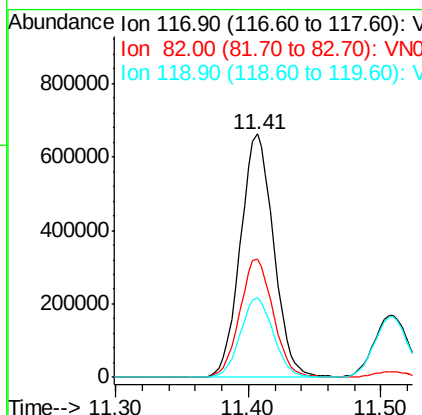
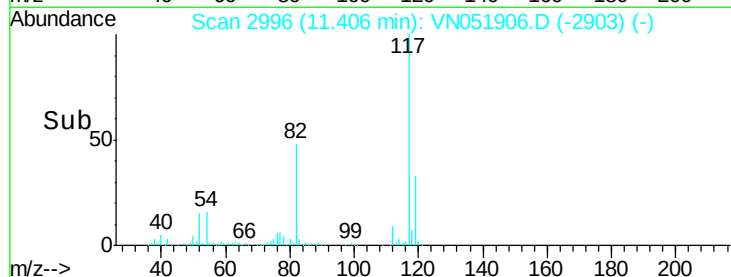
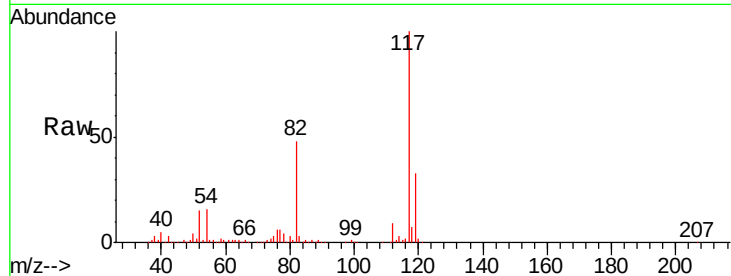
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion:117 Resp: 1154097
Ion Ratio Lower Upper
117 100
82 48.4 38.9 58.3
119 32.5 25.9 38.9

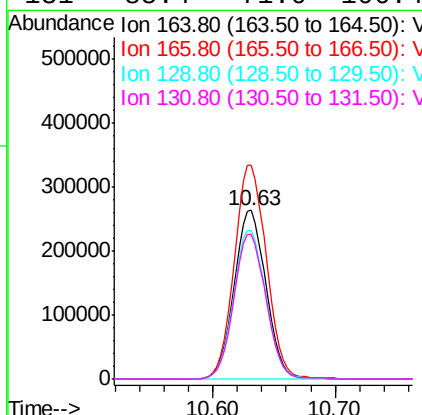
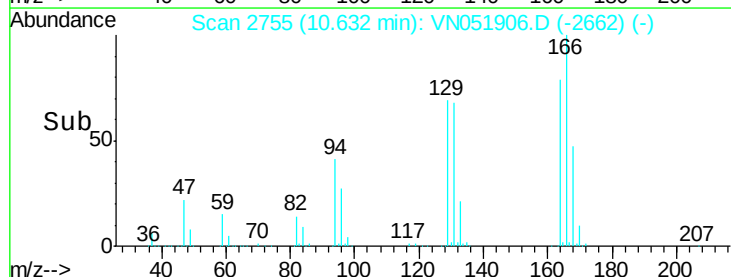
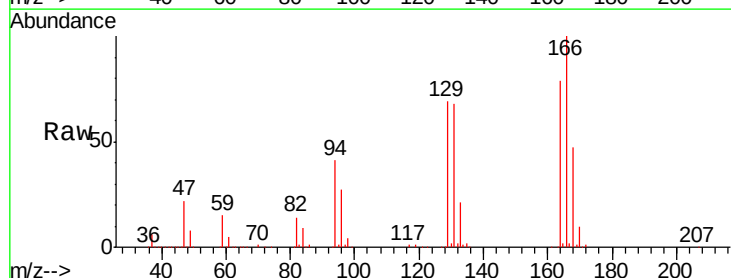
Manual Integrations
APPROVED

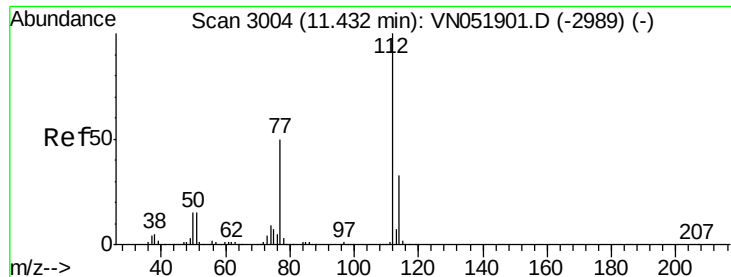
MMDadoda
10/19/2018 3:29:42 PM



#64
Tetrachloroethene
Concen: 51.36 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion:164 Resp: 475751
Ion Ratio Lower Upper
164 100
166 126.6 103.4 155.0
129 87.8 73.9 110.9
131 85.4 71.0 106.4





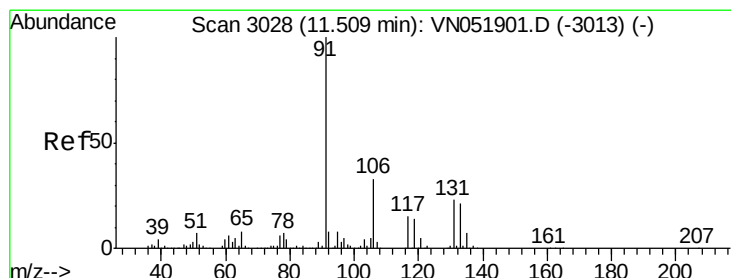
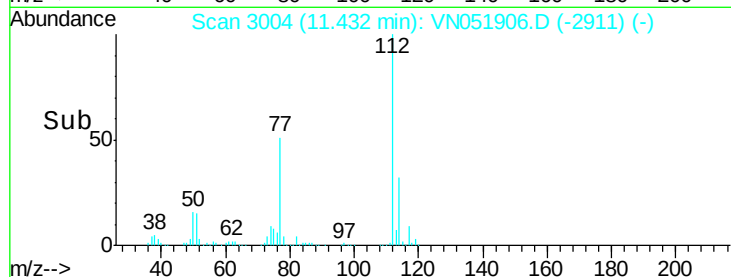
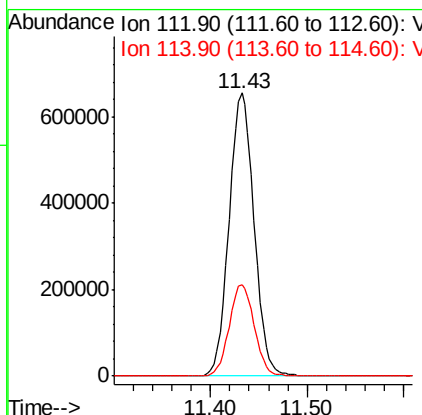
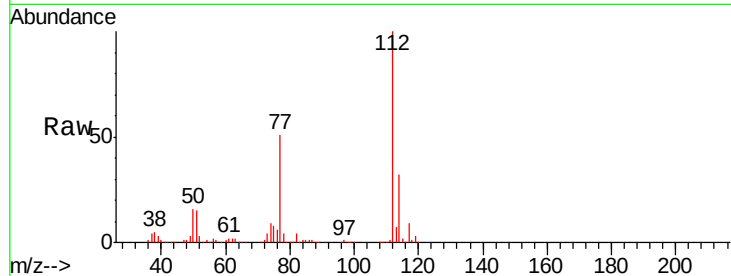
#65
Chlorobenzene
Concen: 50.88 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion:112 Resp: 1173871
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6

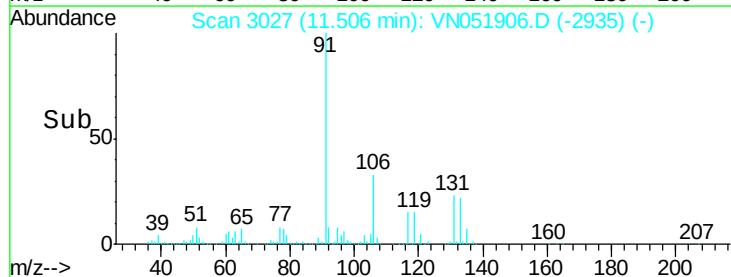
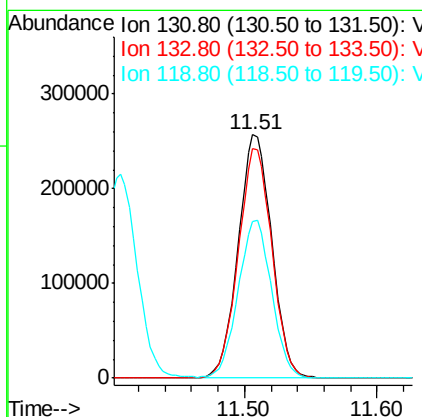
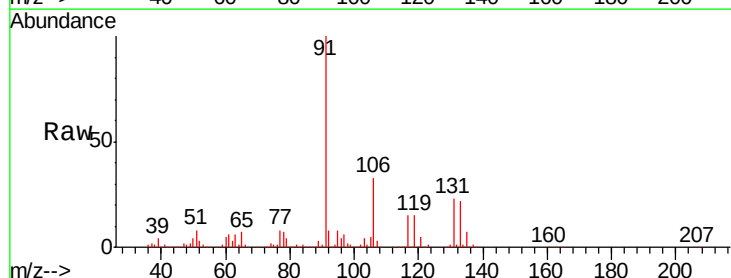
Manual Integrations
APPROVED

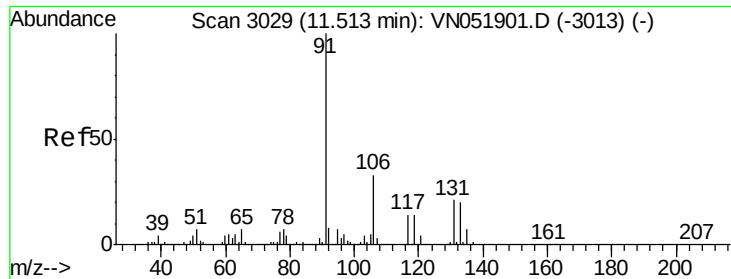
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.47 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion:131 Resp: 450680
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.6
119 64.8 32.1 96.5





#67

Ethyl Benzene

Concen: 52.51 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101718

Tgt Ion: 91 Resp: 1984885

Ion Ratio Lower Upper

91 100

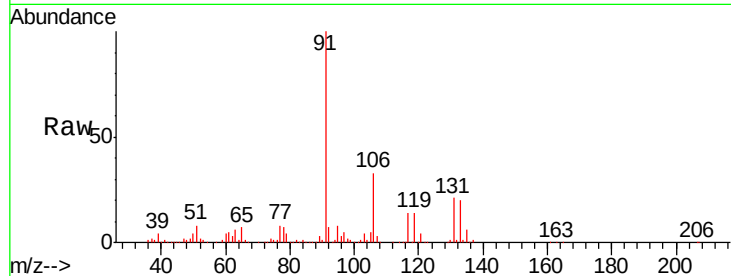
106 32.9 26.6 39.8

Manual Integrations

APPROVED

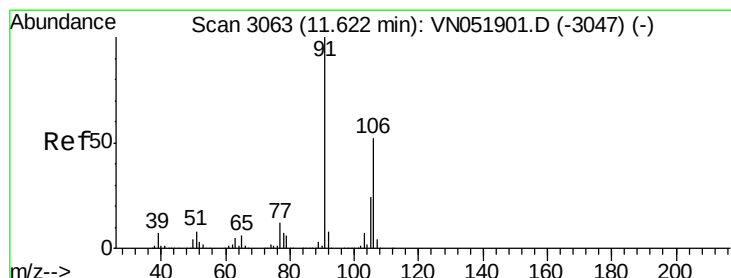
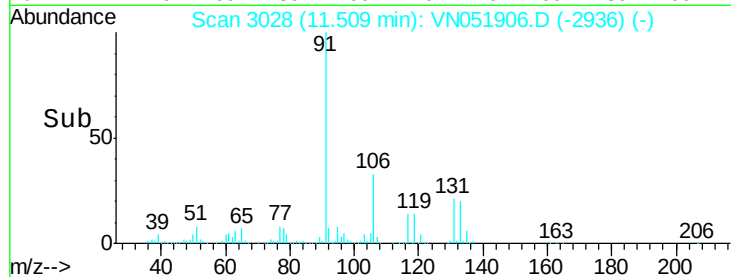
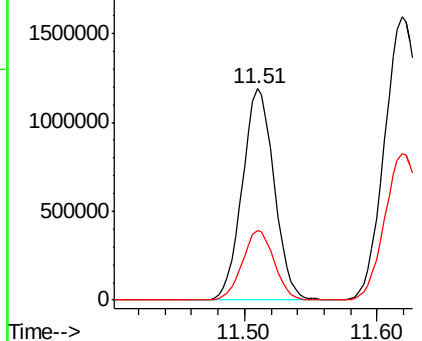
MMDadoda

10/19/2018 3:29:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VN051901.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN051901.D (-3013) (-)



#68

m/p-Xylenes

Concen: 105.82 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051906.D

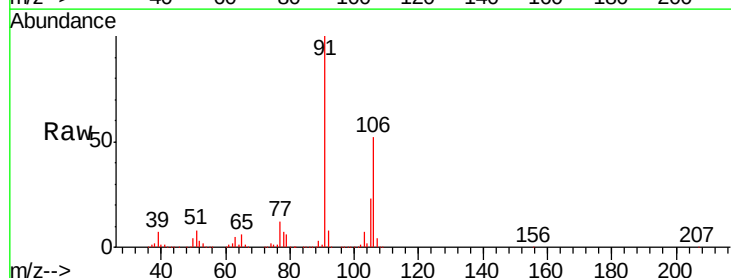
Acq: 17 Oct 2018 14:36

Tgt Ion: 106 Resp: 1606160

Ion Ratio Lower Upper

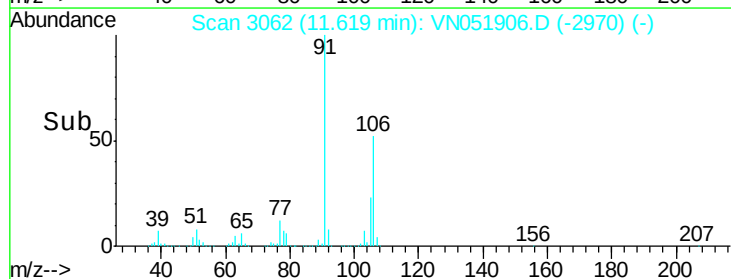
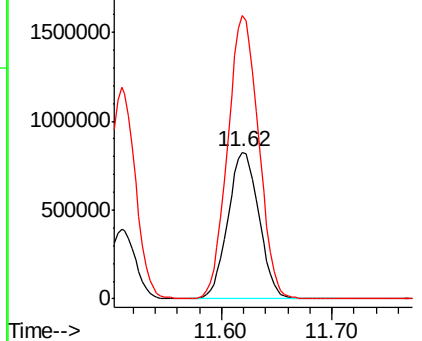
106 100

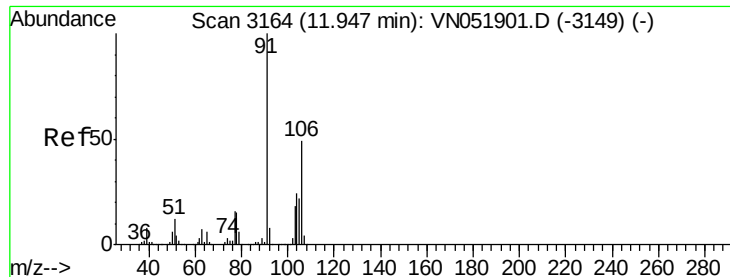
91 192.9 153.6 230.4



Abundance Ion 106.00 (105.70 to 106.70): VN051901.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN051901.D (-3047) (-)





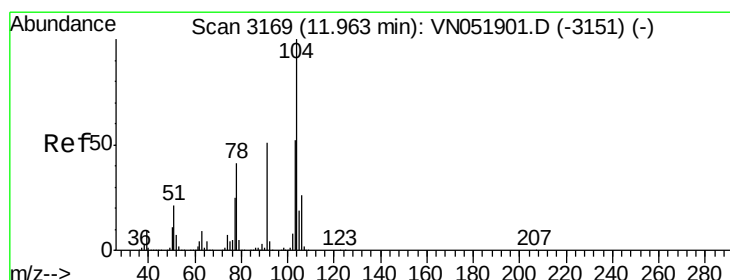
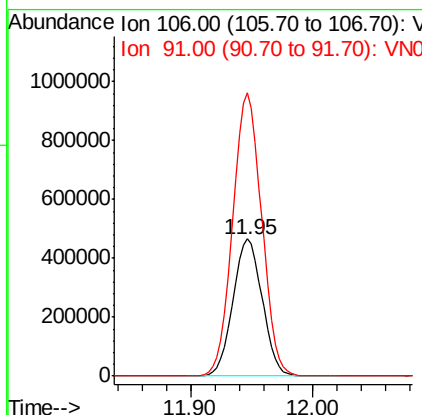
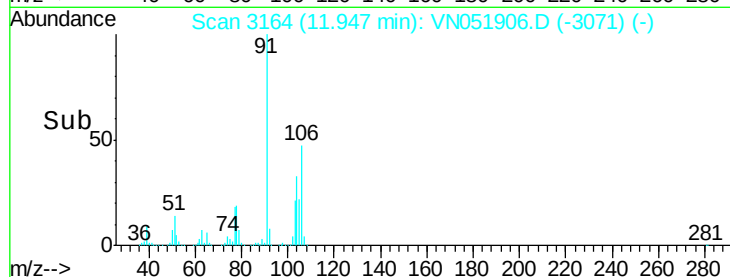
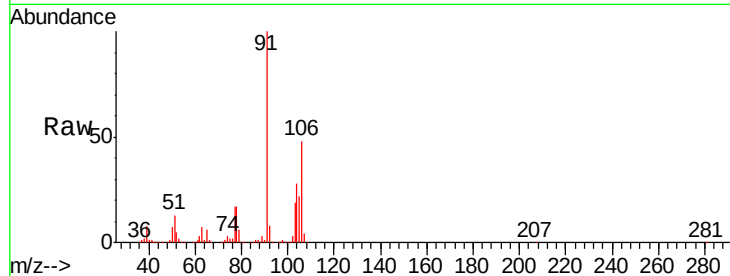
#69
o-Xylene
Concen: 52.42 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion:106 Resp: 775396
Ion Ratio Lower Upper
106 100
91 204.2 100.7 302.1

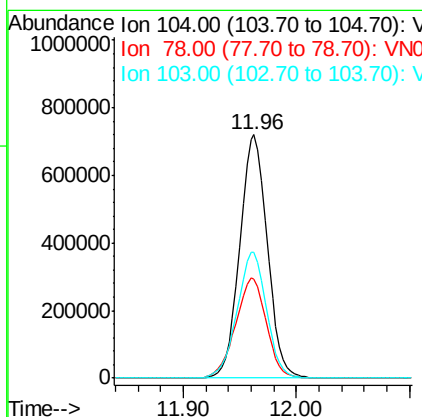
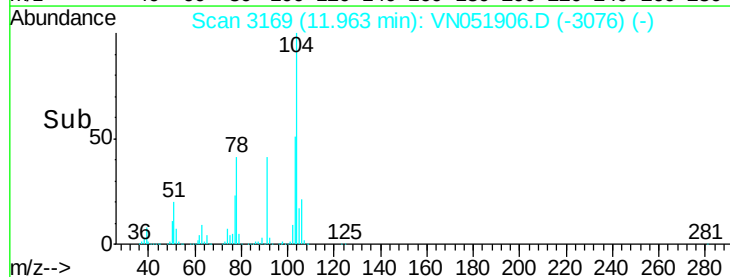
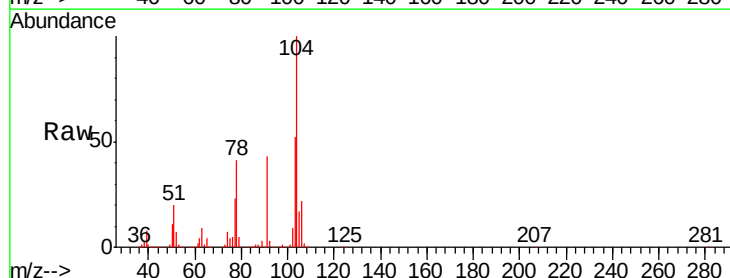
Manual Integrations
APPROVED

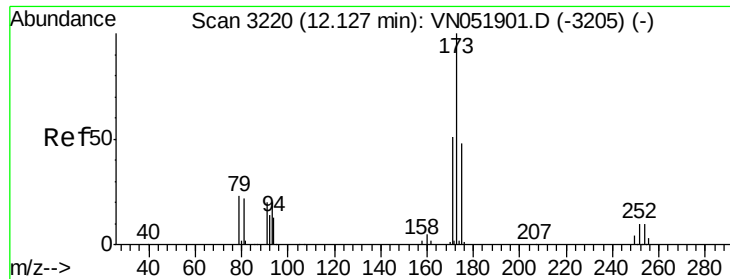
MMDadoda
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#70
Styrene
Concen: 53.80 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion:104 Resp: 1224044
Ion Ratio Lower Upper
104 100
78 45.8 36.6 55.0
103 55.4 44.6 67.0





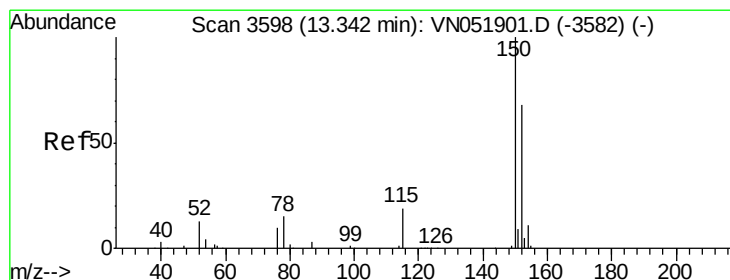
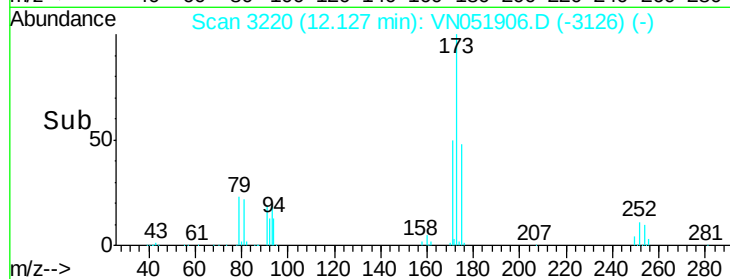
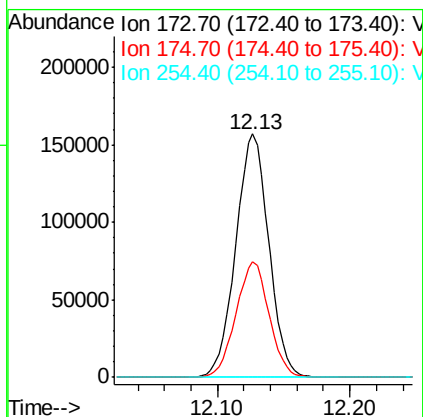
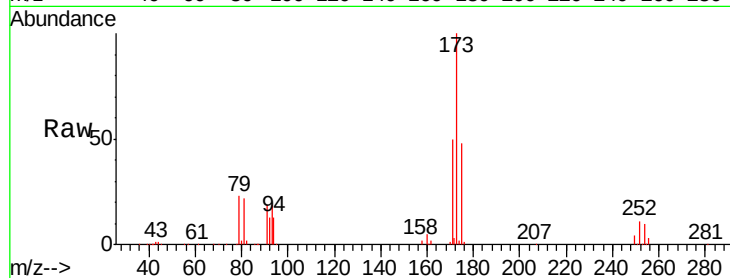
#71
Bromoform
Concen: 42.52 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.0	72.0
254	0.1	0.2	0.2

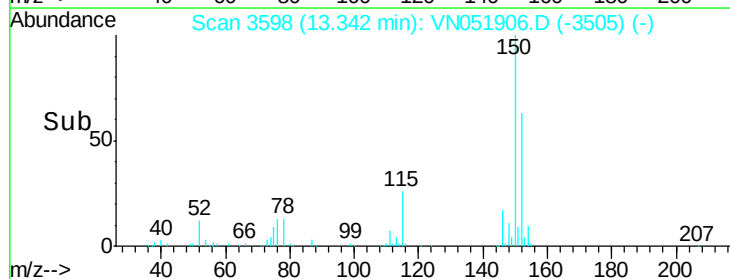
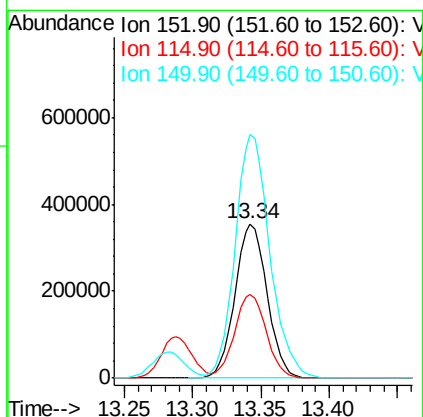
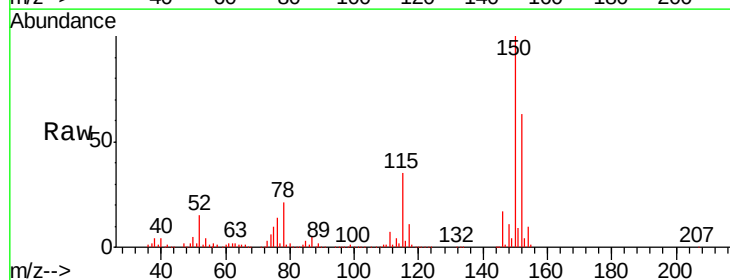
Manual Integrations
APPROVED

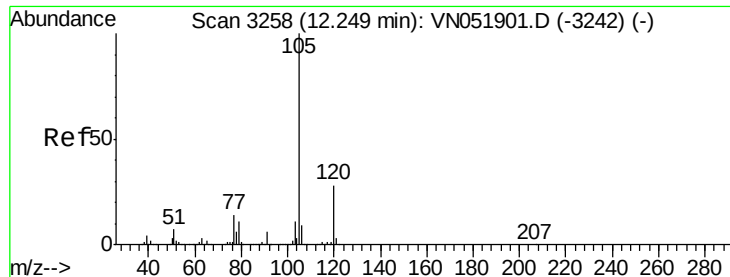
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.7	80.1
150	171.6	0.0	346.4





#73

Isopropylbenzene

Concen: 47.55 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 105 Resp: 2126818

Ion Ratio Lower Upper

105 100

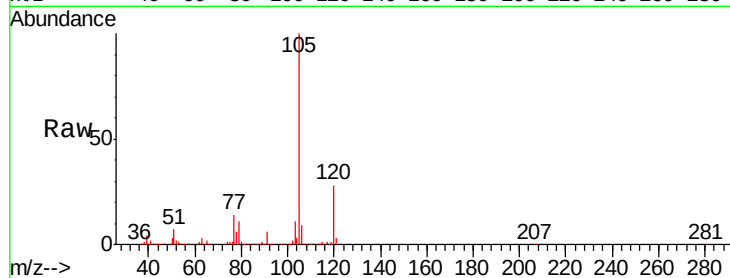
120 27.8 14.0 41.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

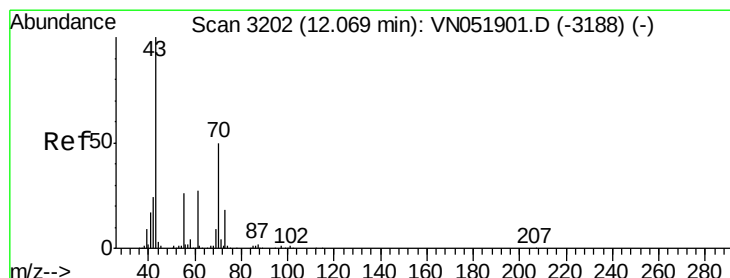
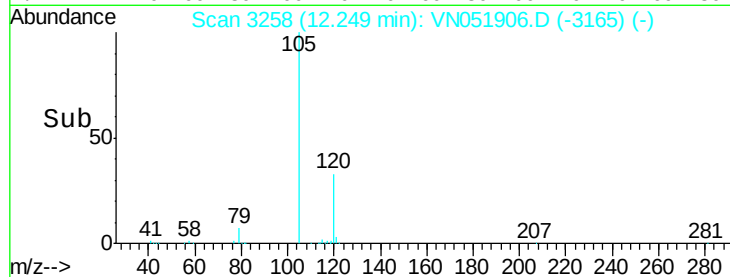
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 42.90 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Tgt Ion: 43 Resp: 329874

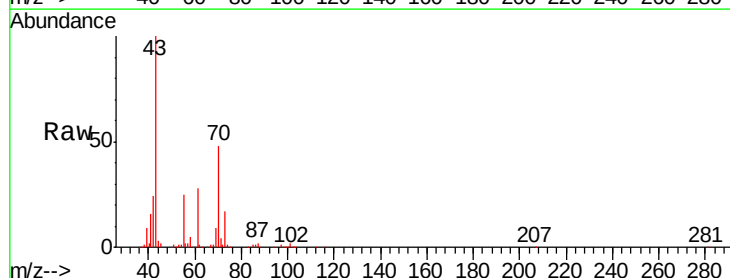
Ion Ratio Lower Upper

43 100

70 49.4 40.1 60.1

55 25.5 21.0 31.4

61 27.6 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

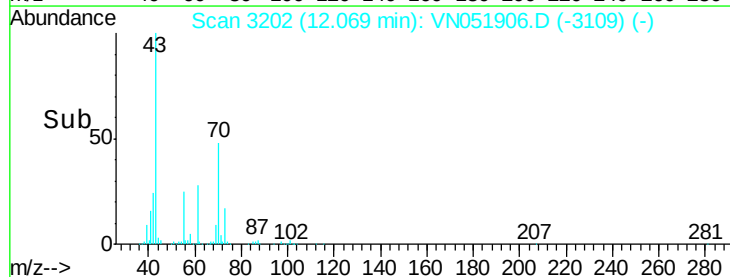
150000

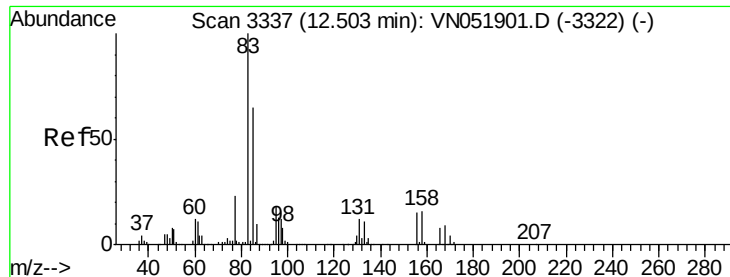
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 42.33 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion: 83 Resp: 382627
Ion Ratio Lower Upper

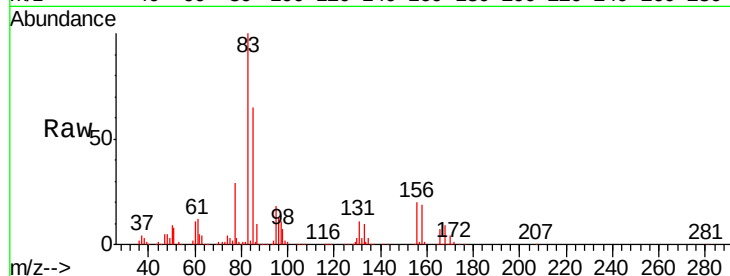
83 100

131 11.8 6.2 18.6

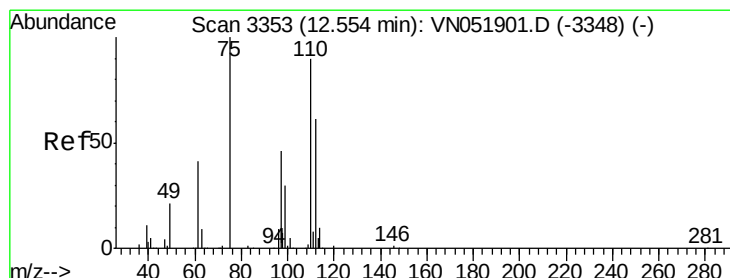
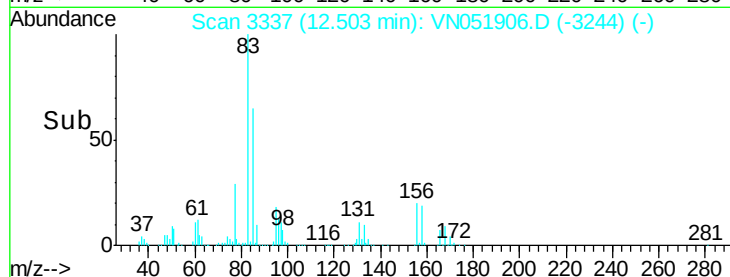
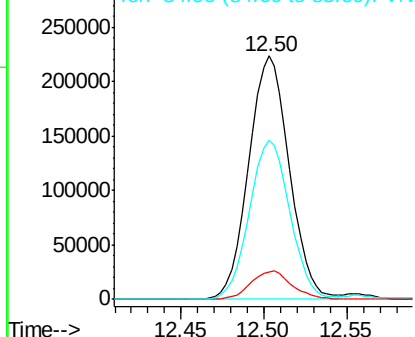
85 65.0 32.6 97.7

Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 42.30 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

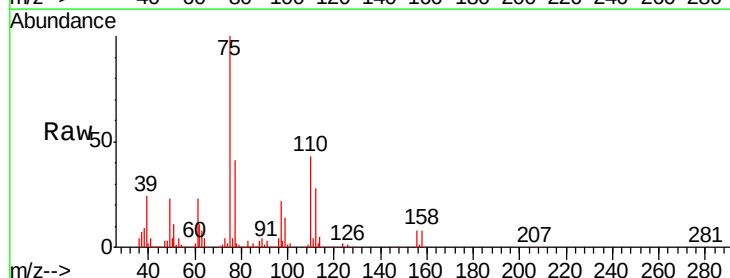
Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

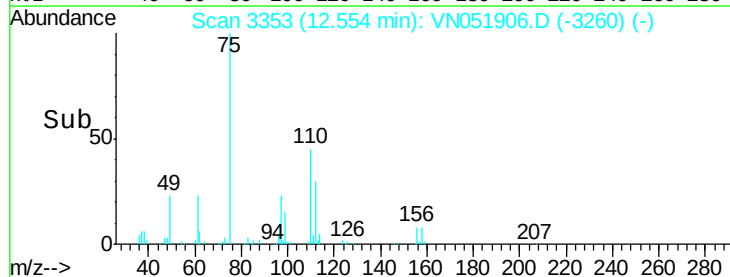
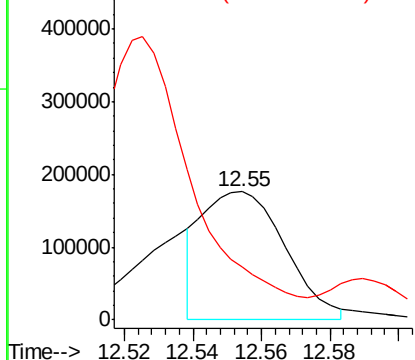
Tgt Ion: 75 Resp: 297040
Ion Ratio Lower Upper

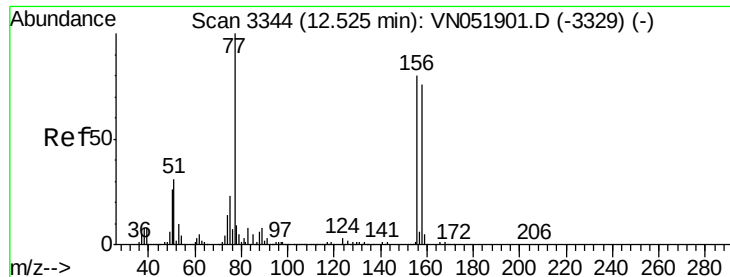
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.85 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

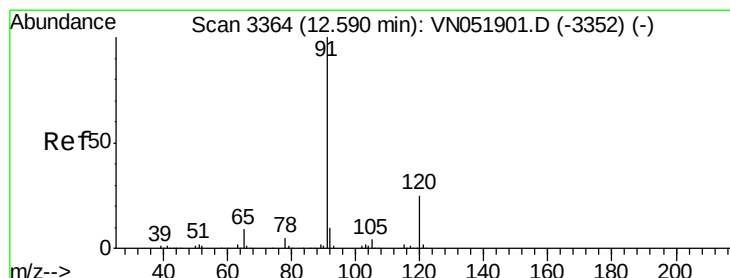
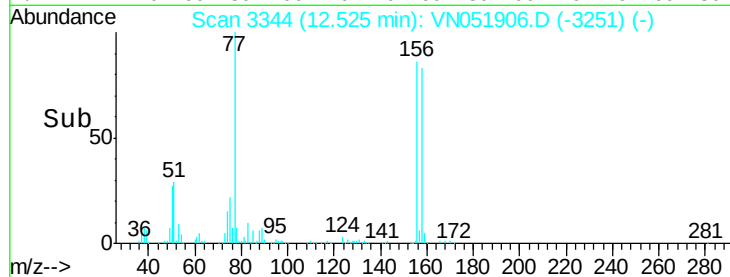
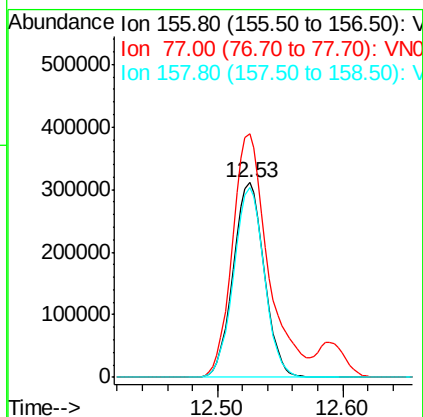
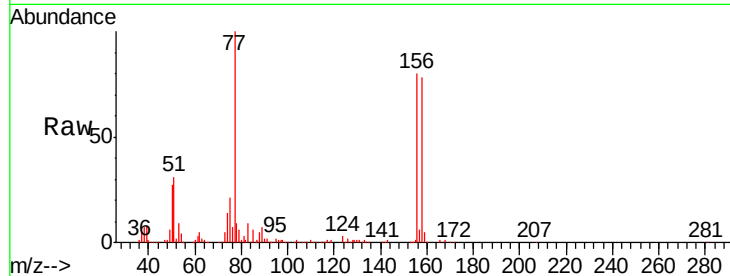
ClientSampleId :

ICVVN101718

Tgt Ion	Ratio	Lower	Upper
156	100		
77	144.7	73.0	219.0
158	96.5	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 49.99 ug/l

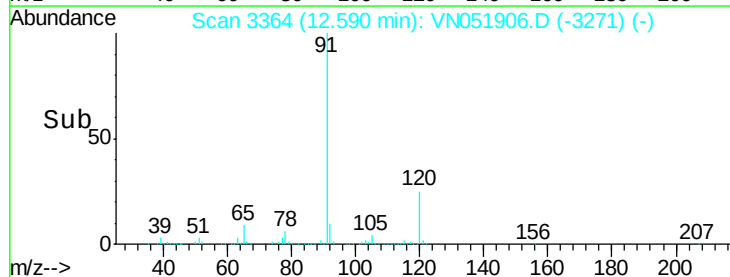
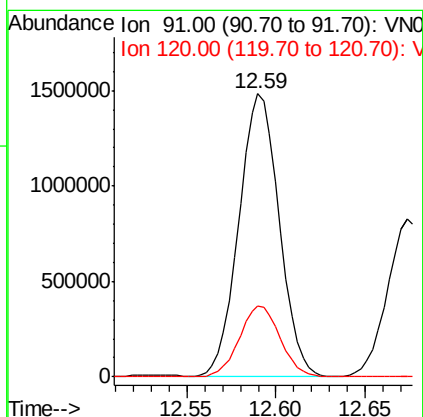
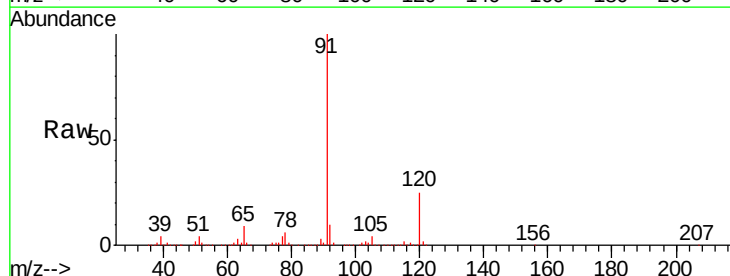
RT: 12.59 min Scan# 3364

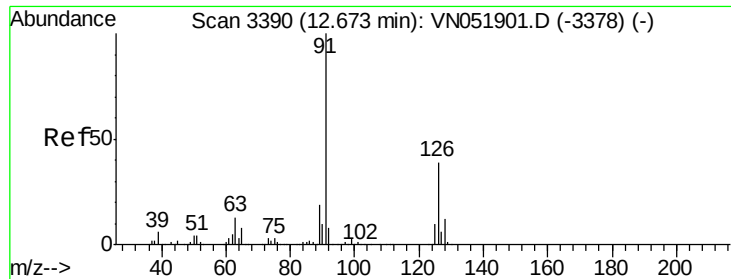
Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.3	12.9	38.7





#79

2-Chlorotoluene

Concen: 54.35 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101718

Tgt Ion: 91 Resp: 1330832

Ion Ratio Lower Upper

91 100

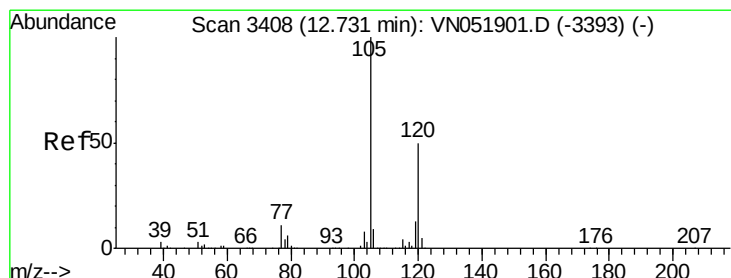
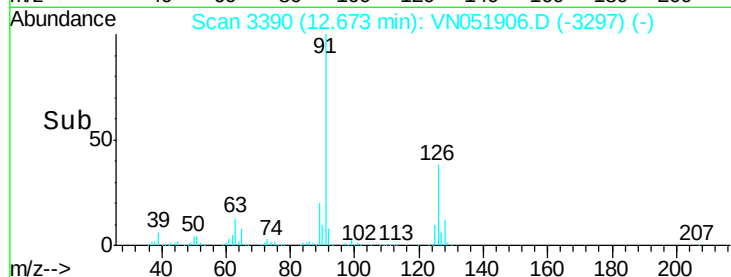
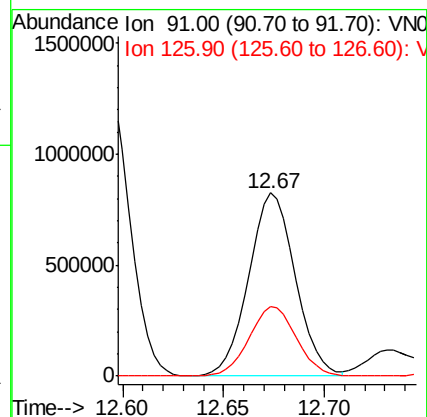
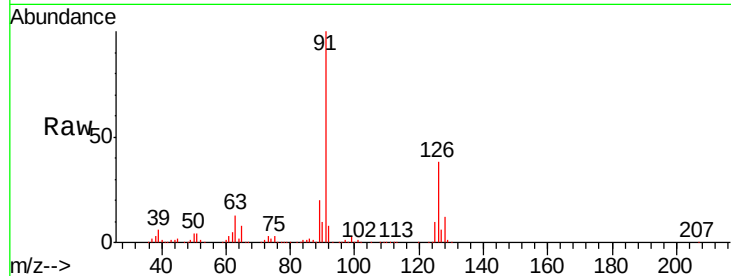
126 38.4 19.6 58.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.02 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051906.D

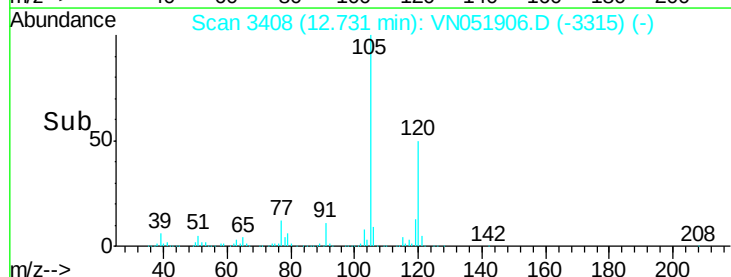
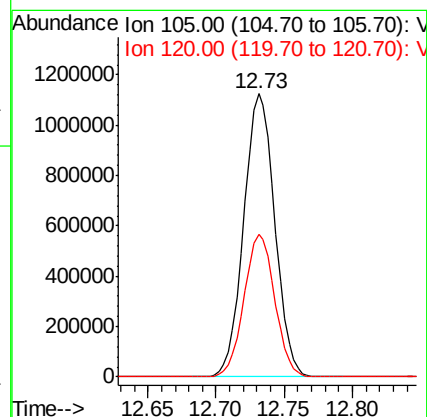
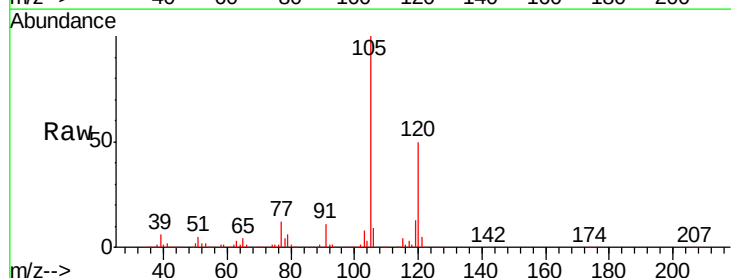
Acq: 17 Oct 2018 14:36

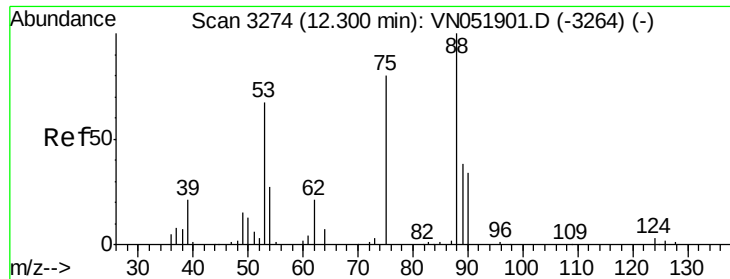
Tgt Ion: 105 Resp: 1772296

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.9





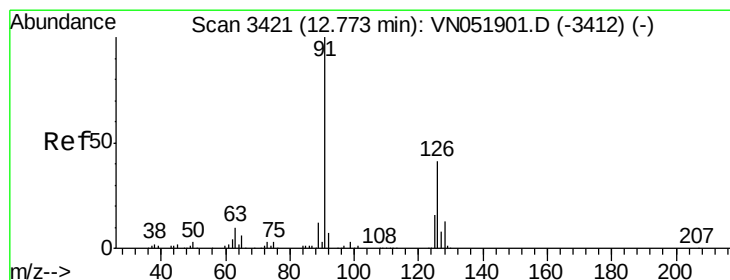
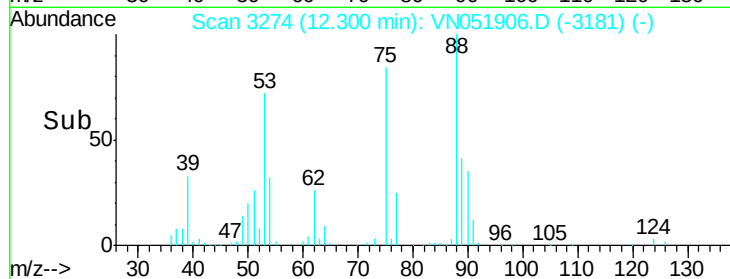
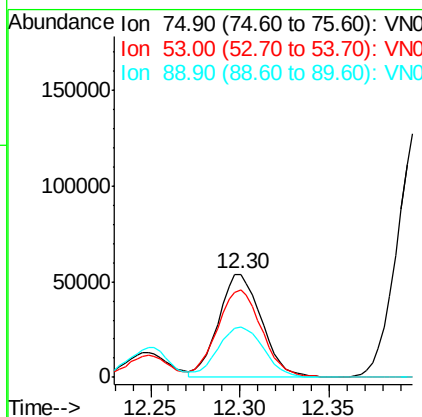
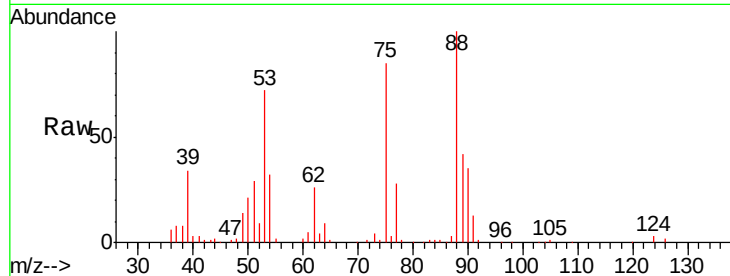
#81
trans-1,4-Dichloro-2-butene
Concen: 42.54 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.7	68.5	102.7
89	51.8	39.0	58.6

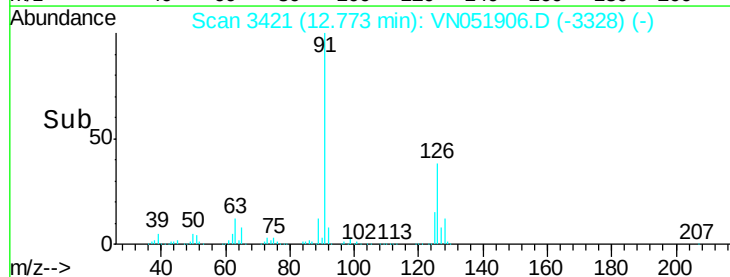
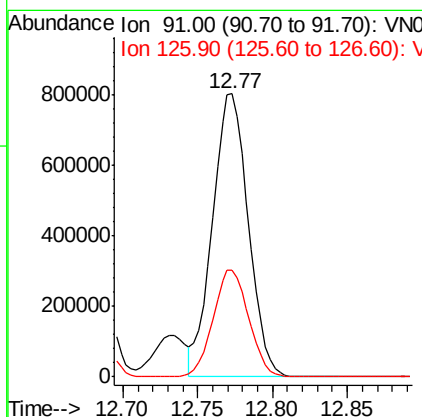
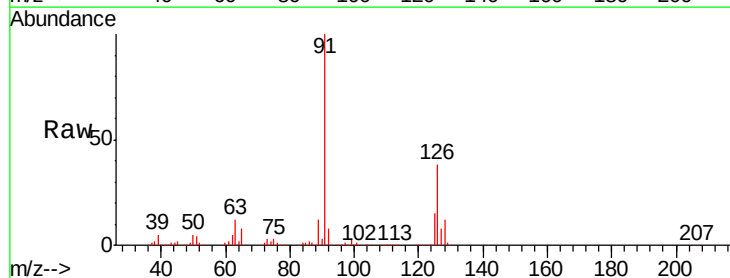
Manual Integrations
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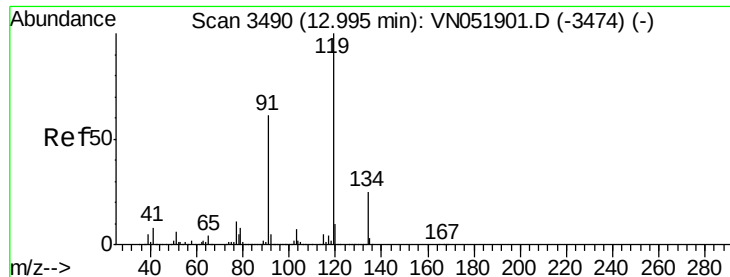
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.01 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.8	18.9	56.7





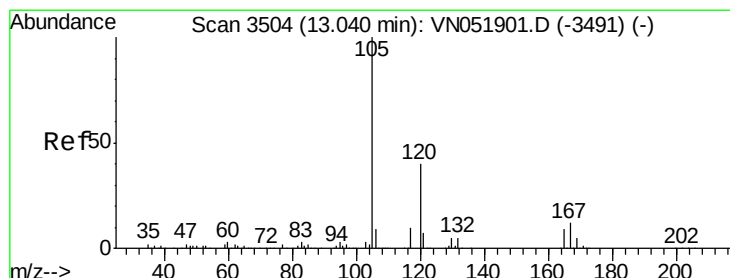
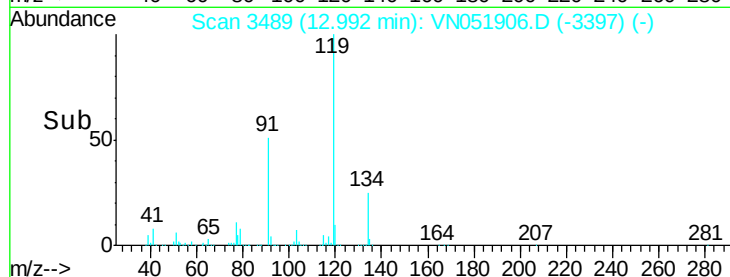
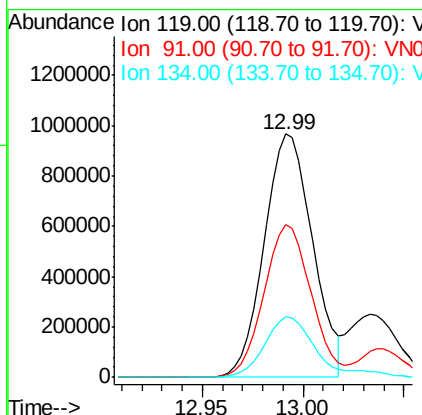
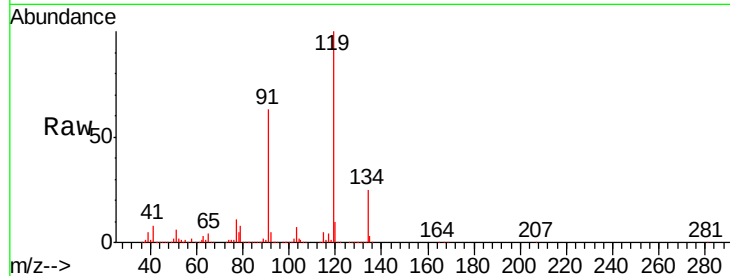
#83
 tert-Butylbenzene
 Concen: 47.46 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion:119 Resp: 1612216
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.3 90.9
 134 26.7 13.4 40.1

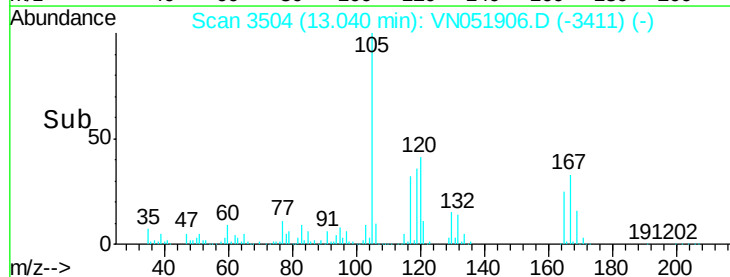
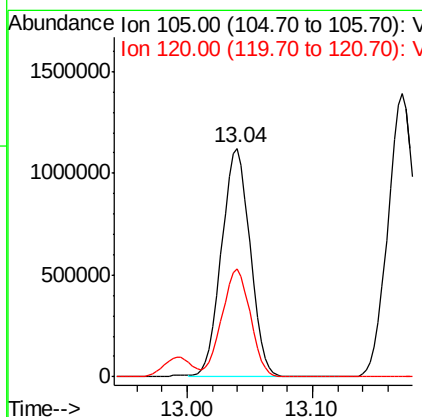
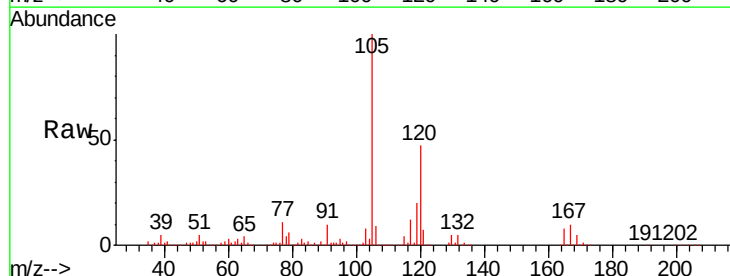
Manual Integrations
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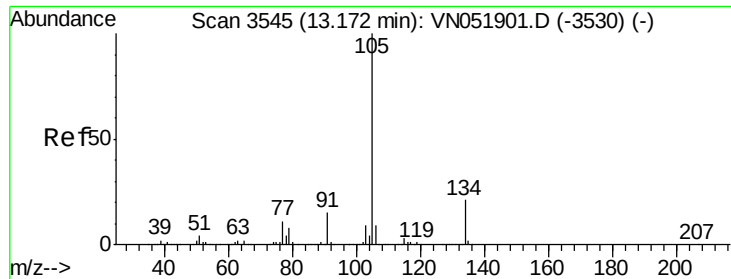
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.83 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion:105 Resp: 1771182
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.4





#85

sec-Butylbenzene

Concen: 50.26 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101718

Tgt Ion:105 Resp: 2170799

Ion Ratio Lower Upper

105 100

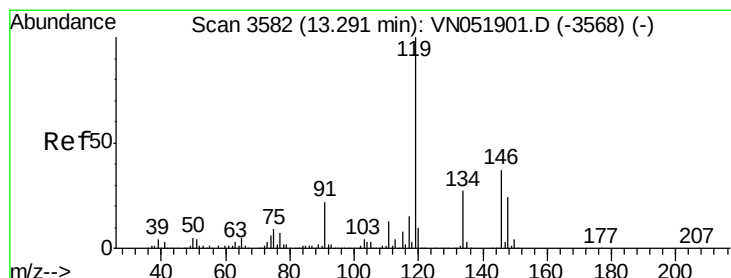
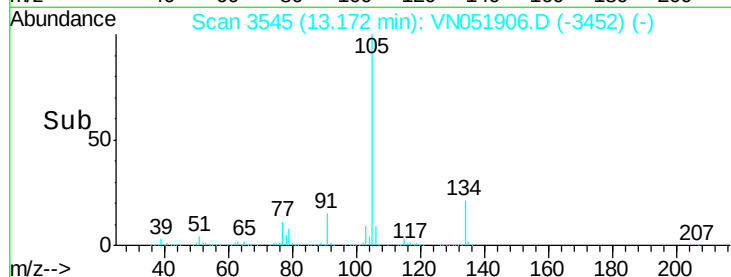
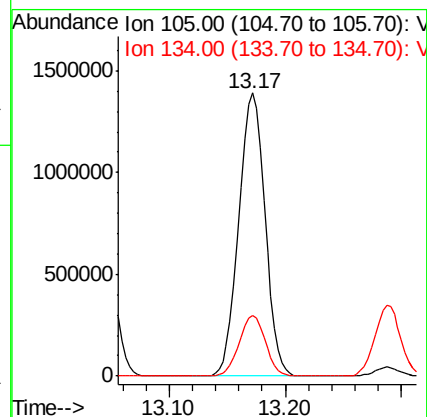
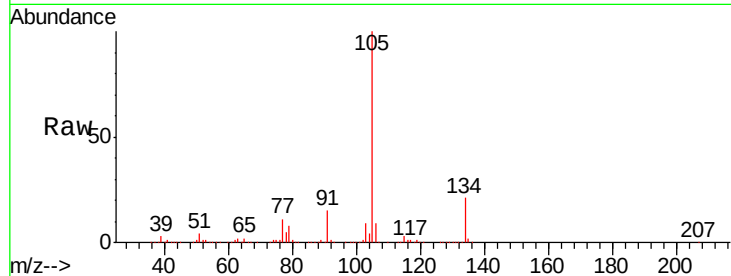
134 21.3 10.8 32.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.23 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051906.D

Acq: 17 Oct 2018 14:36

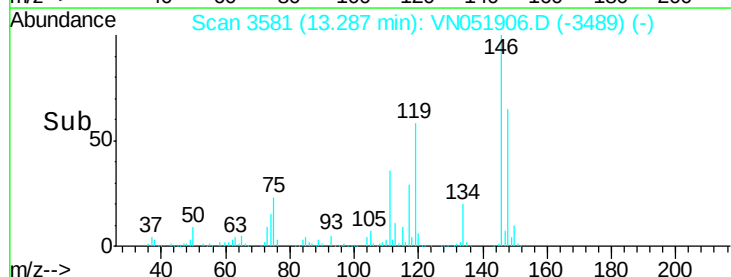
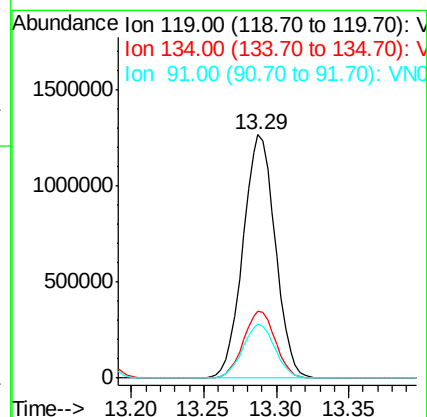
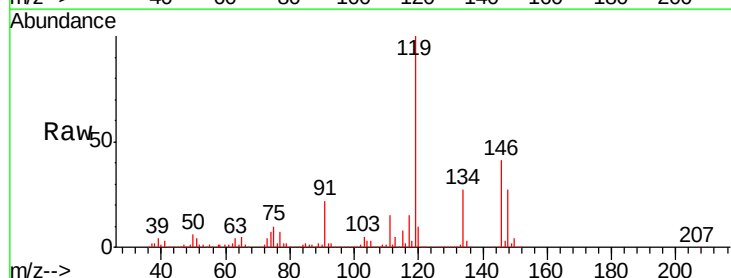
Tgt Ion:119 Resp: 1955172

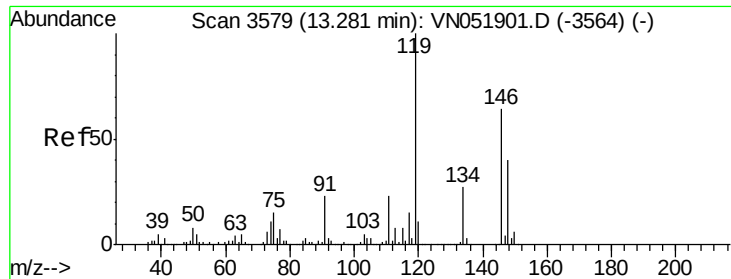
Ion Ratio Lower Upper

119 100

134 27.4 13.8 41.3

91 22.1 10.9 32.9





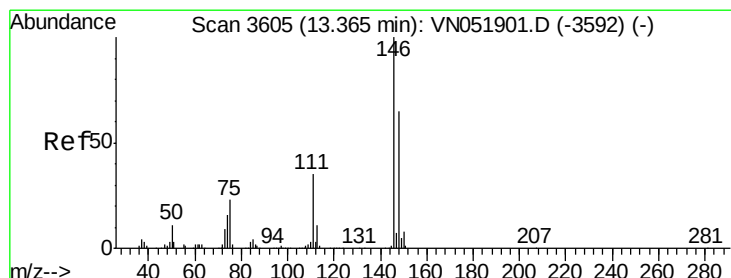
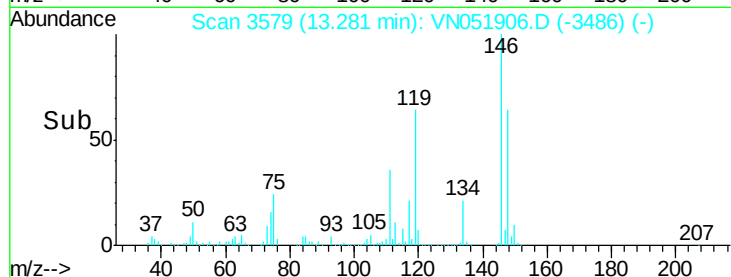
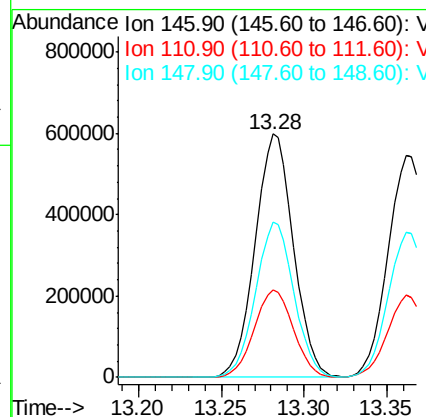
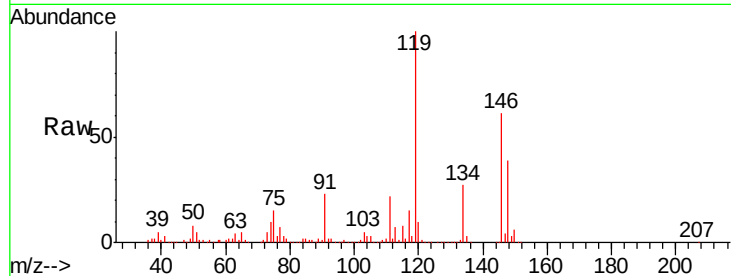
#87
 1,3-Dichlorobenzene
 Concen: 50.24 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.8
148	63.9	31.9	95.7

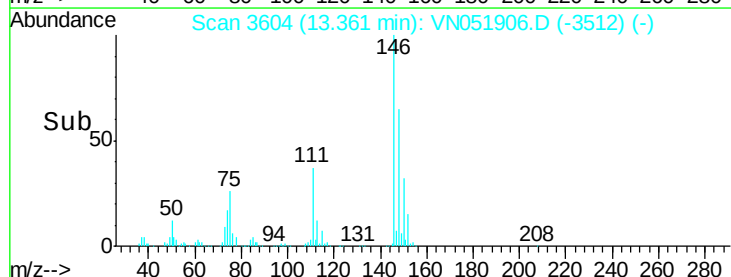
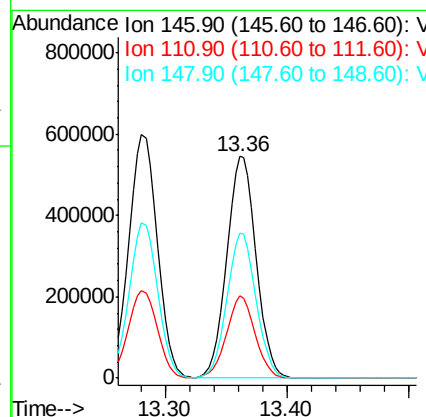
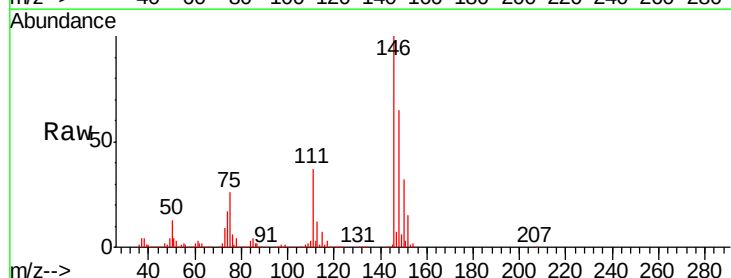
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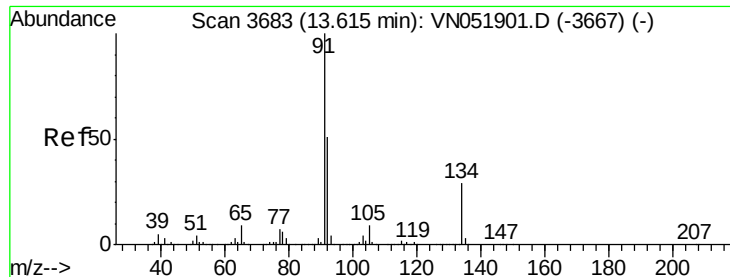
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#88
 1,4-Dichlorobenzene
 Concen: 48.81 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.9	53.7
148	64.9	32.8	98.3





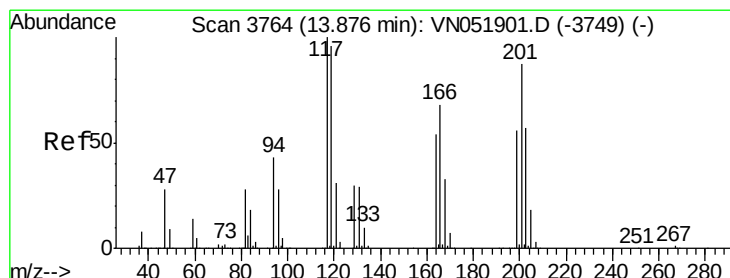
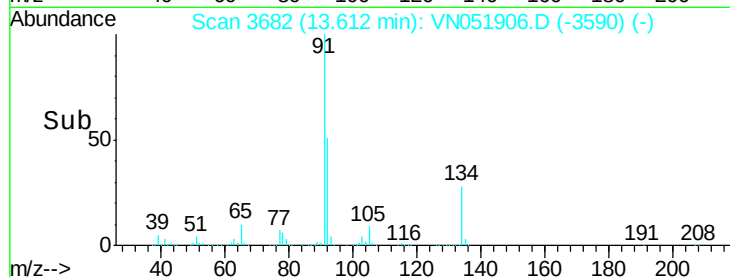
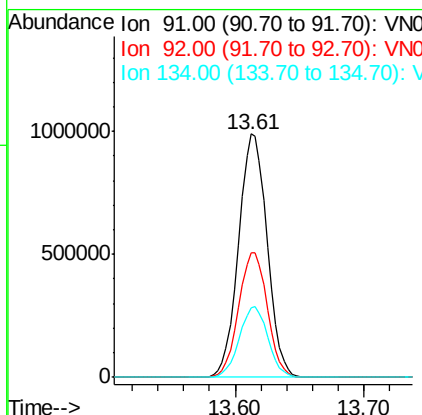
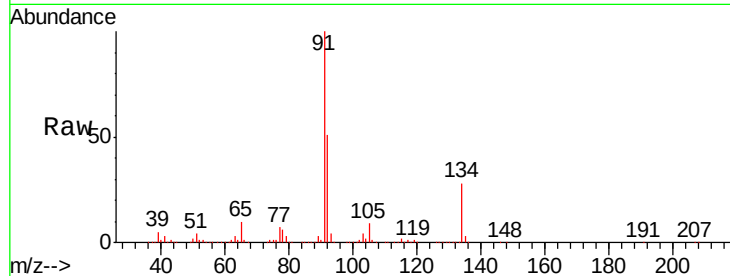
#89
n-Butylbenzene
Concen: 55.90 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion: 91 Resp: 1517751
Ion Ratio Lower Upper
91 100
92 51.7 25.9 77.7
134 29.1 14.6 43.8

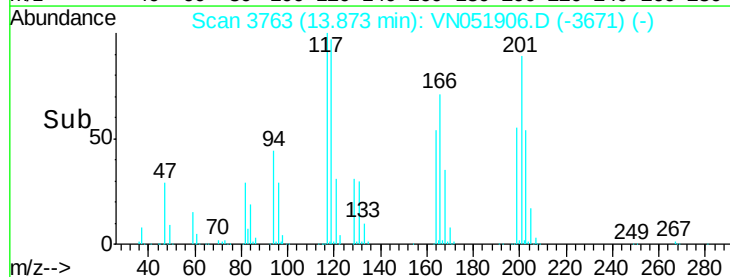
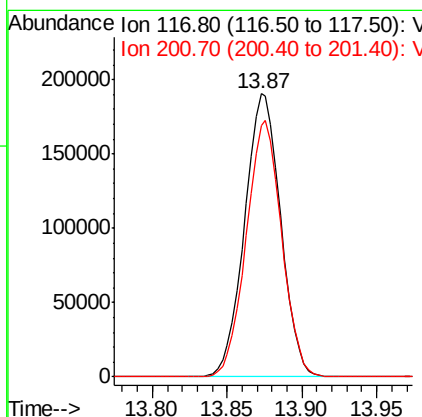
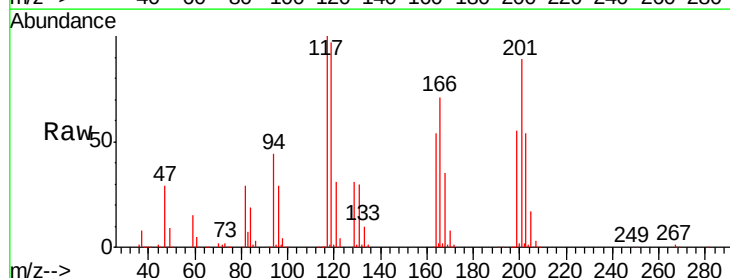
Manual Integrations
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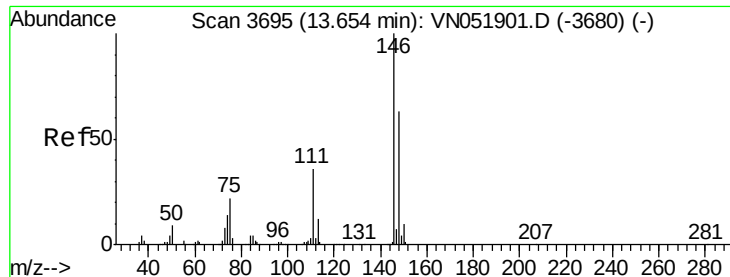
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#90
Hexachloroethane
Concen: 50.96 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion: 117 Resp: 319071
Ion Ratio Lower Upper
117 100
201 89.1 43.8 131.3





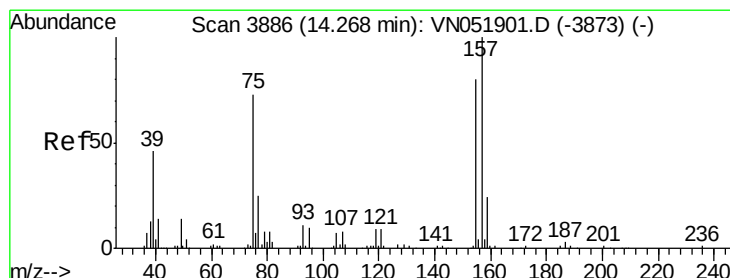
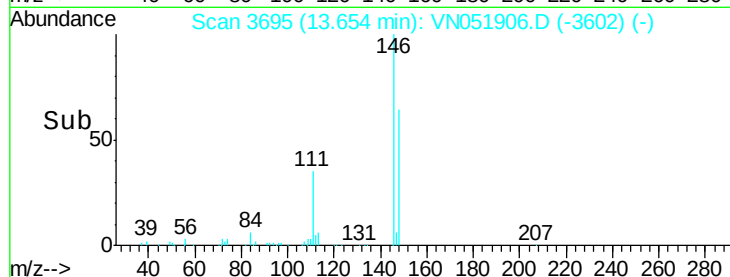
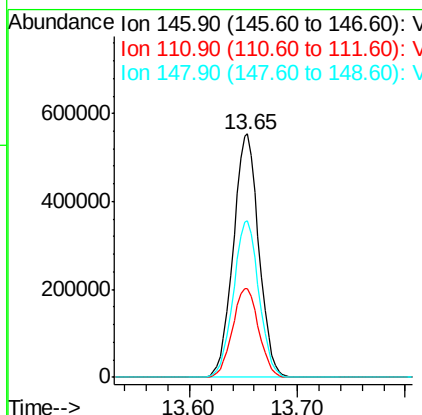
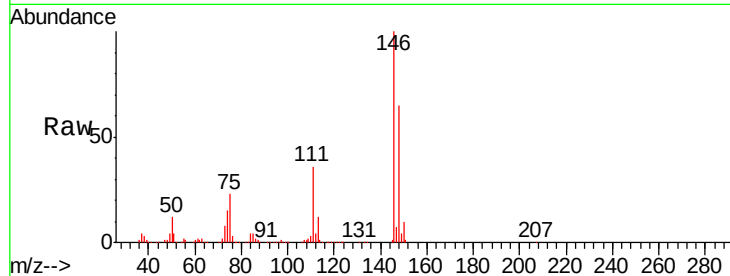
#91
 1,2-Dichlorobenzene
 Concen: 49.15 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	913067		
111	37.6	18.6	55.6	
148	64.4	32.0	96.2	

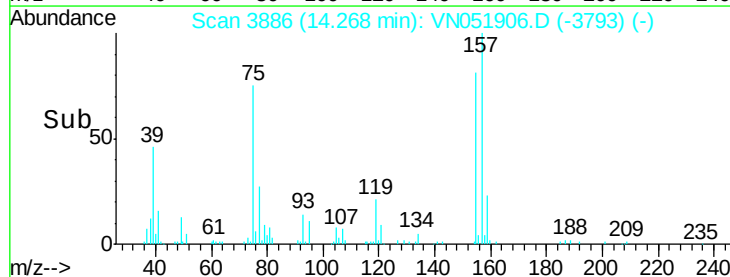
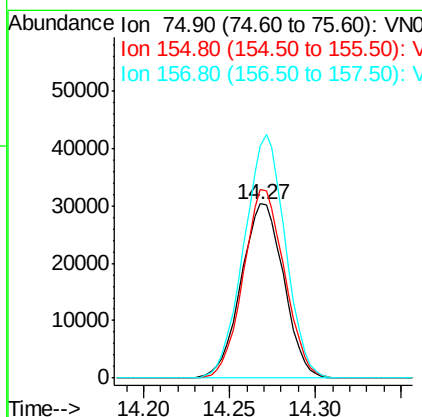
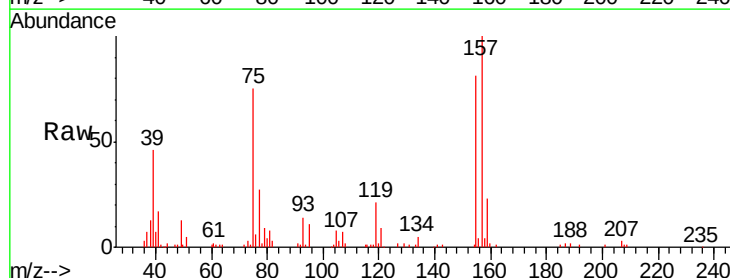
Manual Integrations
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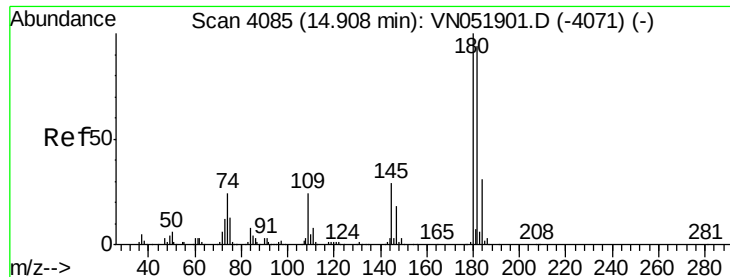
MMDadoda
 10/19/2018 3:29:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.04 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52120		
155	104.6	53.4	160.2	
157	135.5	69.3	207.9	





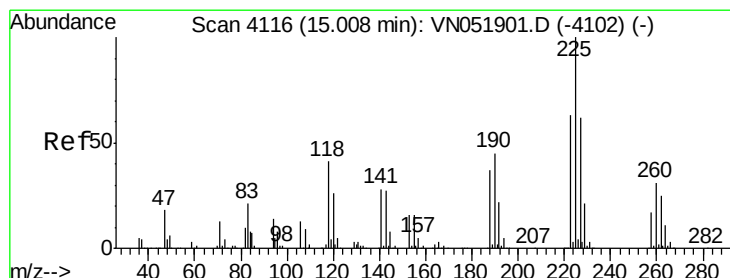
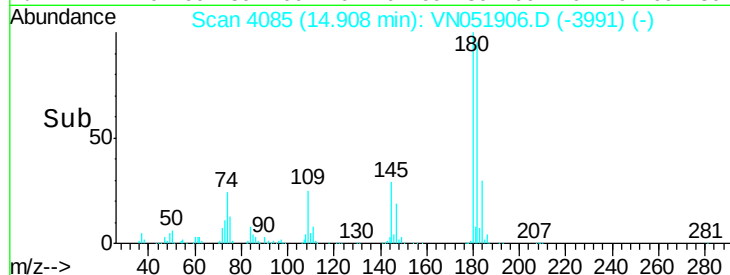
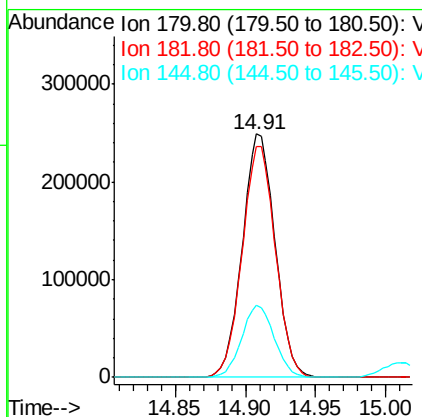
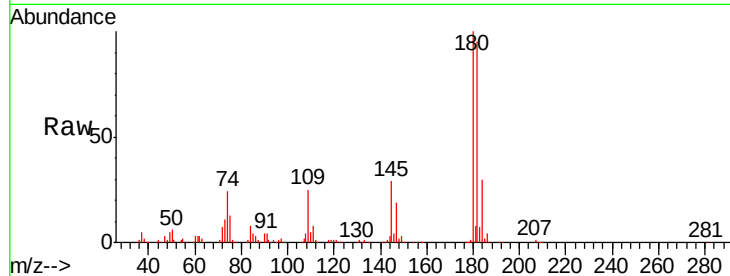
#93
 1,2,4-Trichlorobenzene
 Concen: 43.78 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101718

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	404804		
182	96.1	47.3	141.9	
145	29.6	14.5	43.5	

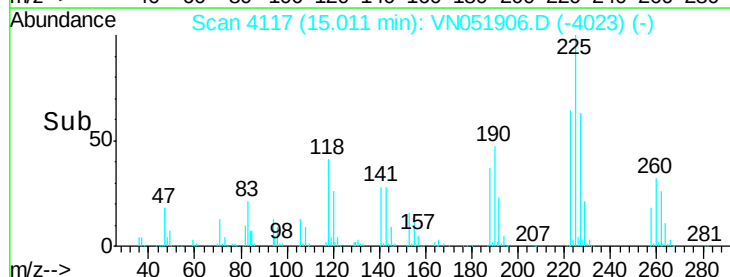
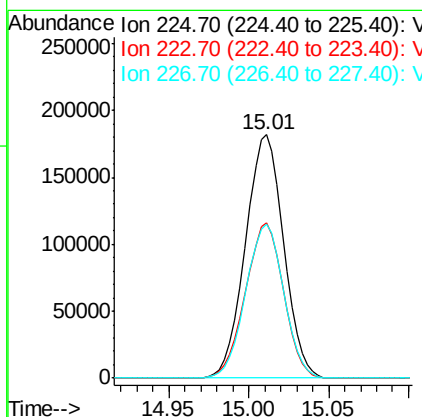
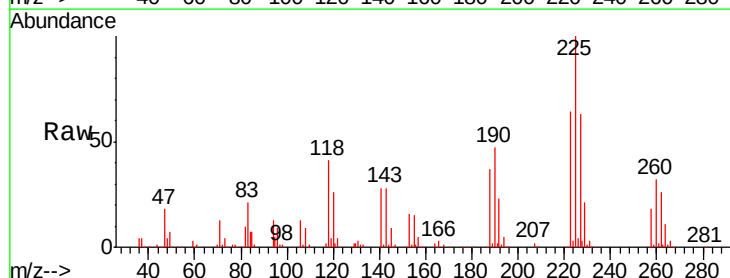
Manual Integrations
 APPROVED

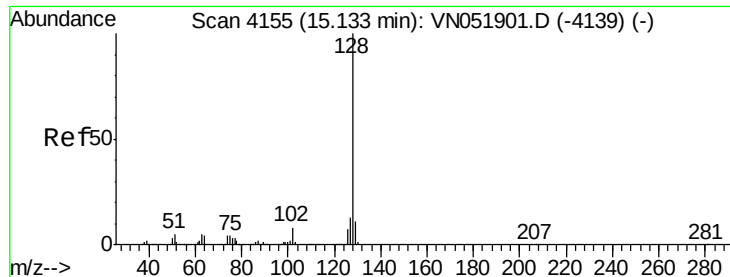
MMDadoda
 10/19/2018 3:29:42 PM



#94
 Hexachlorobutadiene
 Concen: 50.37 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051906.D
 Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	296295		
223	63.8	32.0	96.2	
227	63.2	31.9	95.9	





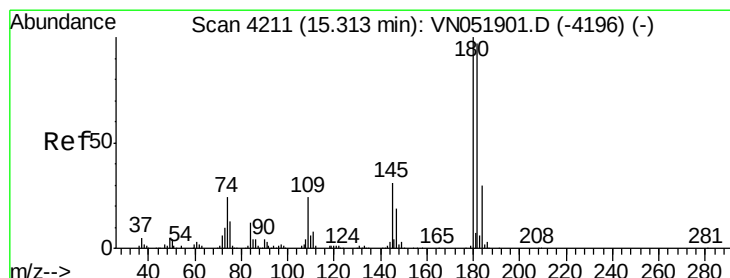
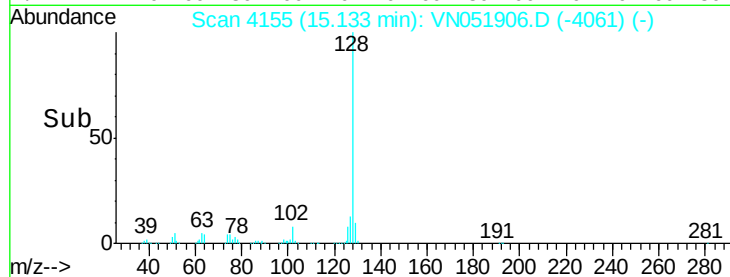
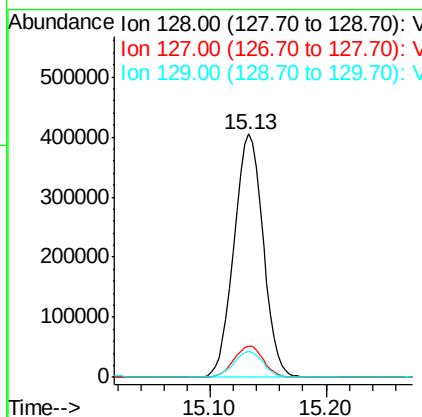
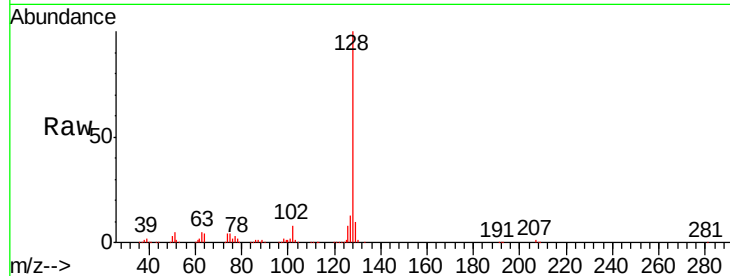
#95
Naphthalene
Concen: 38.21 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101718

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/19/2018 3:29:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.11 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051906.D
Acq: 17 Oct 2018 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.8
145	31.5	15.2	45.6

