

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
 Data File : VN052184.D
 Acq On : 6 Nov 2018 11:41
 Operator : MD\SY
 Sample : VN1106WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:58:44 PM

Quant Time: Nov 06 16:26:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	357092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	625212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	562246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	239919	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	227562	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	7.59	113	193463	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	742741	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	241787	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	65130	20.916	ug/l	100
3) Chloromethane	2.06	50	86110	20.488	ug/l	97
4) Vinyl Chloride	2.19	62	85756	21.304	ug/l	95
5) Bromomethane	2.57	94	60396	20.069	ug/l	99
6) Chloroethane	2.71	64	55062	21.393	ug/l #	87
7) Trichlorofluoromethane	3.03	101	123908	21.191	ug/l	98
8) Diethyl Ether	3.42	74	44915	21.987	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73432	21.016	ug/l	92
10) Methyl Iodide	3.96	142	96598	19.581	ug/l	98
11) Tert butyl alcohol	4.79	59	17767	96.174	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	69034	20.985	ug/l	92
13) Acrolein	3.61	56	20879	130.650	ug/l	90
14) Allyl chloride	4.33	41	110542	20.134	ug/l	96
15) Acrylonitrile	4.99	53	130110	107.342	ug/l #	66
16) Acetone	3.82	43	95754	99.812	ug/l	93
17) Carbon Disulfide	4.06	76	186857	19.905	ug/l	99
18) Methyl Acetate	4.33	43	65049	21.910	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	199315	21.995	ug/l	97
20) Methylene Chloride	4.56	84	81521	20.451	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	76012	22.219	ug/l	95
22) Diisopropyl ether	5.96	45	259394	21.431	ug/l	98
23) Vinyl Acetate	5.90	43	889740	111.759	ug/l	98
24) 1,1-Dichloroethane	5.85	63	148959	21.755	ug/l	99
25) 2-Butanone	6.84	43	157434	105.832	ug/l	97
26) 2,2-Dichloropropane	6.83	77	107189	20.015	ug/l	92
27) cis-1,2-Dichloroethene	6.83	96	88215	21.256	ug/l	95
28) Bromochloromethane	7.20	49	68919	21.261	ug/l	89
29) Tetrahydrofuran	7.21	42	100600	109.299	ug/l	97
30) Chloroform	7.37	83	148862	21.831	ug/l	97
31) Cyclohexane	7.66	56	137616	20.618	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	128807	21.296	ug/l	94
36) 1,1-Dichloropropene	7.80	75	111581	20.174	ug/l	96
37) Ethyl Acetate	6.93	43	74825	21.485	ug/l #	90
38) Carbon Tetrachloride	7.78	117	108073	19.558	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	134798	20.579	ug/l	96
40) Benzene	8.04	78	340212	20.925	ug/l	98
41) Methacrylonitrile	7.17	41	41325	23.085	ug/l	93
42) 1,2-Dichloroethane	8.13	62	105763	20.235	ug/l	94
43) Isopropyl Acetate	8.17	43	136410	21.616	ug/l	97
44) Trichloroethene	8.84	130	87593	20.349	ug/l	82
45) 1,2-Dichloropropane	9.12	63	90494	21.016	ug/l	99
46) Dibromomethane	9.21	93	56672	20.695	ug/l	90
47) Bromodichloromethane	9.40	83	109875	20.574	ug/l #	96
48) Methyl methacrylate	9.20	41	66396	21.860	ug/l	99
49) 1,4-Dioxane	9.20	88	9934	374.218	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	355693	106.688	ug/l	100
52) Toluene	10.16	92	203167	20.722	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	106219	20.274	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	125733	20.509	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	74463	21.541	ug/l	93
56) Ethyl methacrylate	10.43	69	94577	20.990	ug/l	97
57) 1,3-Dichloropropane	10.71	76	127487	20.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	255463	105.351	ug/l	95
59) 2-Hexanone	10.75	43	241125	103.895	ug/l	100
60) Dibromochloromethane	10.90	129	78507	19.971	ug/l	98
61) 1,2-Dibromoethane	11.01	107	76965	21.934	ug/l	97
64) Tetrachloroethene	10.63	164	74963	20.580	ug/l	94
65) Chlorobenzene	11.43	112	229139	19.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81123	21.079	ug/l	97
67) Ethyl Benzene	11.51	91	380799	20.006	ug/l	96
68) m/p-Xylenes	11.62	106	292570	39.835	ug/l	93
69) o-Xylene	11.95	106	147075	20.649	ug/l	93
70) Styrene	11.96	104	224913	19.947	ug/l	98
71) Bromoform	12.13	173	43676	18.863	ug/l #	93
73) Isopropylbenzene	12.25	105	380798	20.992	ug/l	99
74) N-amyl acetate	12.07	43	115018	20.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86905	21.886	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	75515m	23.813	ug/l	
77) Bromobenzene	12.53	156	89793	20.758	ug/l	79
78) n-propylbenzene	12.59	91	422091	20.360	ug/l	95
79) 2-Chlorotoluene	12.67	91	247564	20.364	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	301846	20.557	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	19905	18.877	ug/l	92
82) 4-Chlorotoluene	12.77	91	250228	20.479	ug/l	95
83) tert-Butylbenzene	12.99	119	260738	20.110	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	303387	20.756	ug/l	96
85) sec-Butylbenzene	13.17	105	352406	20.101	ug/l	96
86) p-Isopropyltoluene	13.29	119	307220	20.819	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	153151	20.034	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	152106	19.907	ug/l	97
89) n-Butylbenzene	13.62	91	249535	19.529	ug/l	97
90) Hexachloroethane	13.87	117	49240	19.800	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	147673	20.584	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11913	22.728	ug/l	83

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QLast Update : Mon Nov 05 15:24:48 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56392	18.158	ug/l	99
94) Hexachlorobutadiene	15.01	225	34234	20.102	ug/l	97
95) Naphthalene	15.13	128	135200	18.402	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	54017	19.627	ug/l	99

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

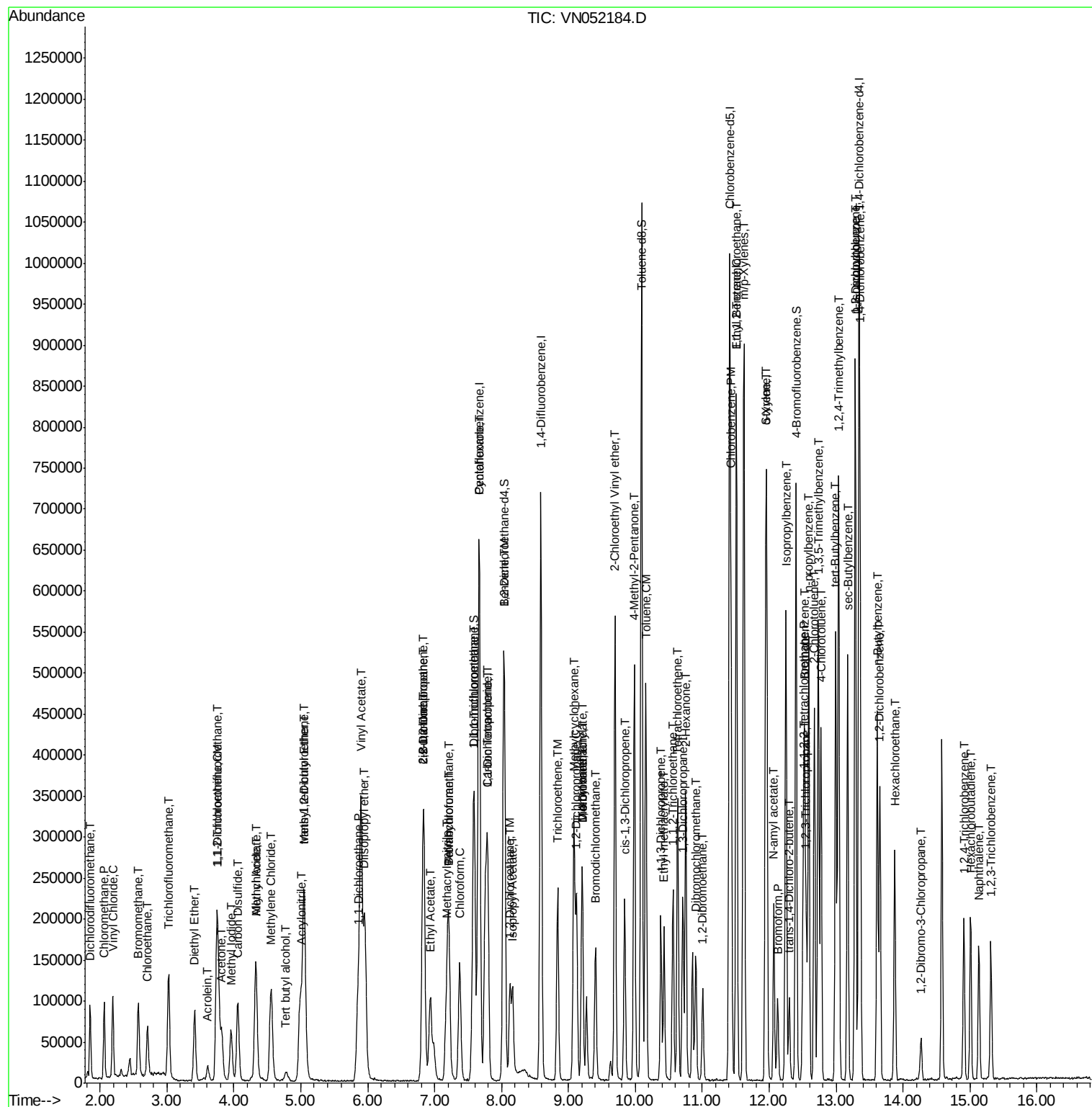
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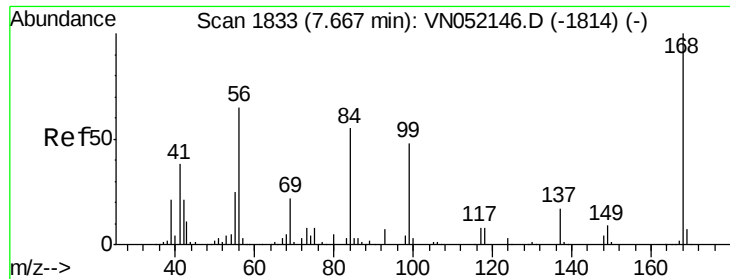
Instrument :
MSVOA_N
Client Sample Id :
VN1106WBSD02

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Mon Nov 05 15:24:48 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion:168 Resp: 357092

Ion Ratio Lower Upper

168 100

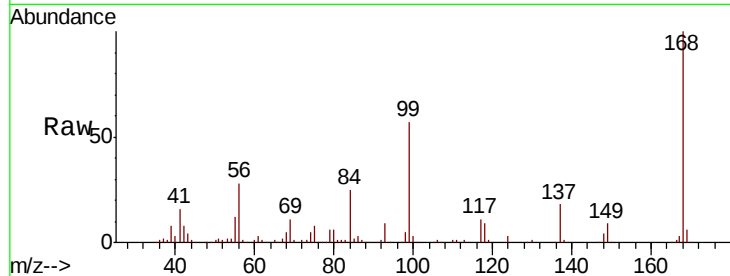
99 56.8 56.6 85.0

Manual Integrations

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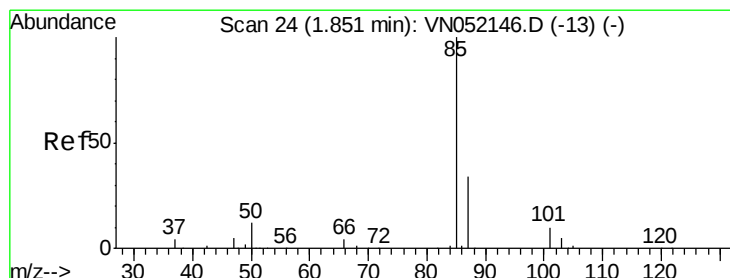
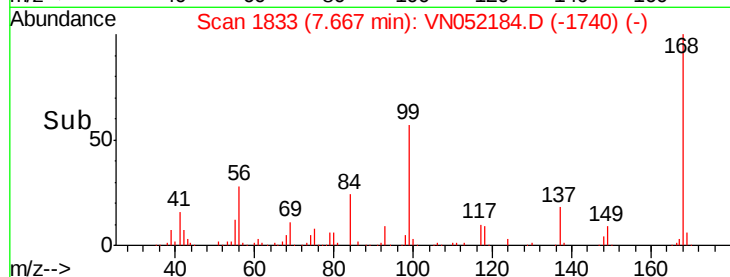
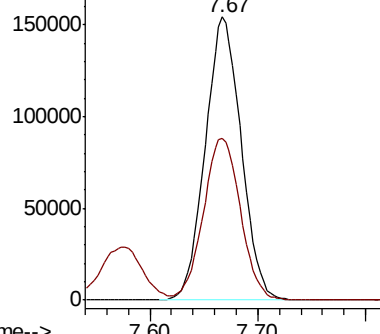
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.916 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052184.D

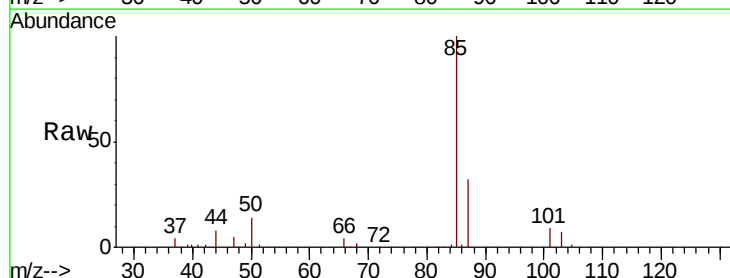
Acq: 6 Nov 2018 11:41

Tgt Ion: 85 Resp: 65130

Ion Ratio Lower Upper

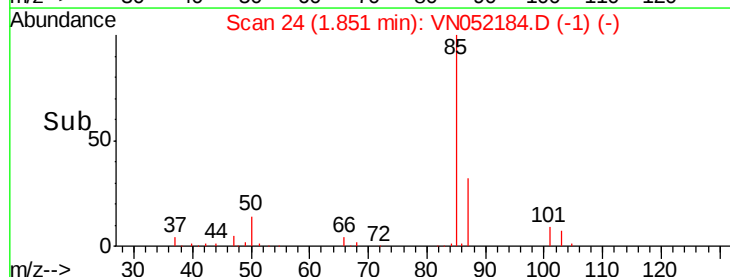
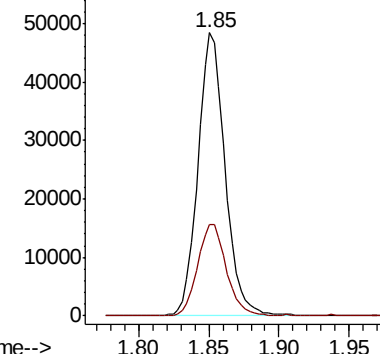
85 100

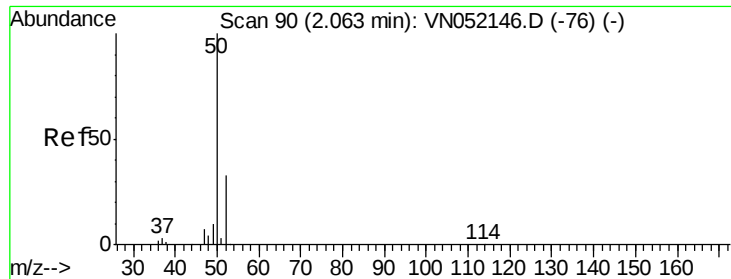
87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.488 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 50 Resp: 86110

Ion Ratio Lower Upper

50 100

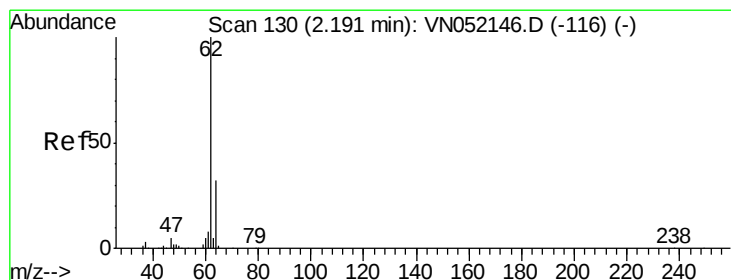
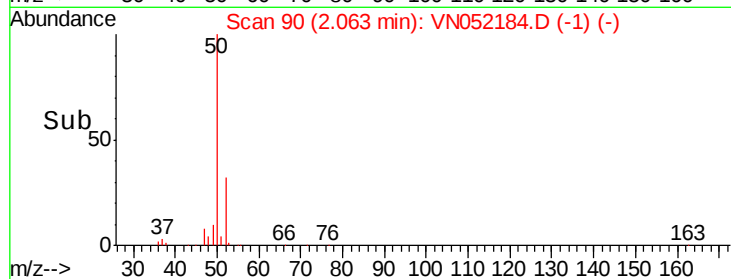
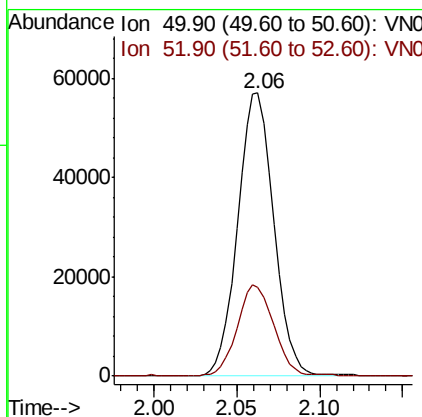
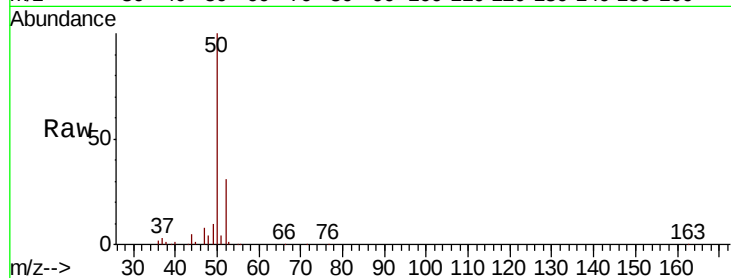
52 31.5 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.304 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052184.D

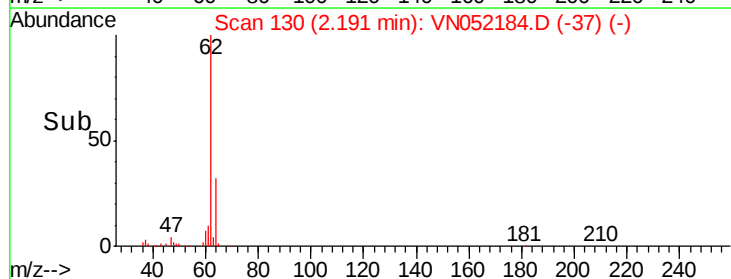
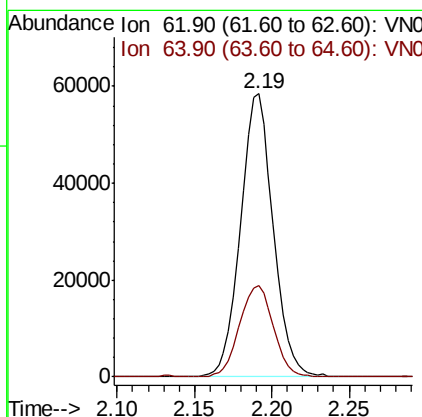
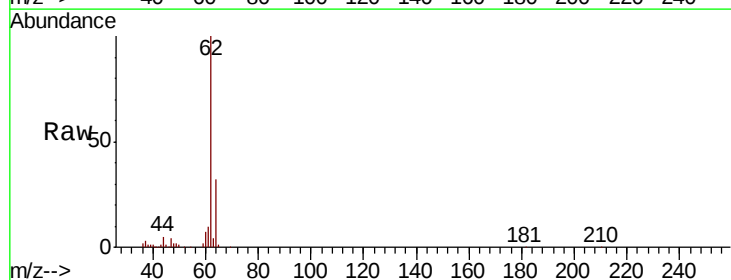
Acq: 6 Nov 2018 11:41

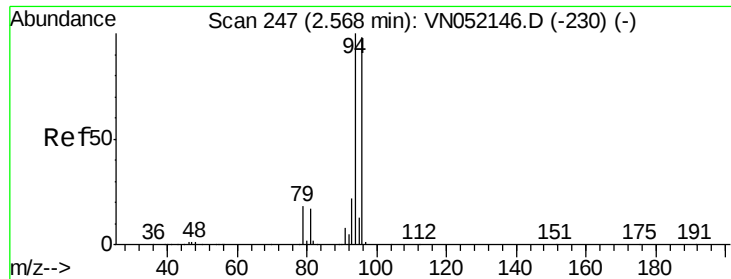
Tgt Ion: 62 Resp: 85756

Ion Ratio Lower Upper

62 100

64 32.1 23.7 35.5





#5

Bromomethane

Concen: 20.069 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

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Tot Ion: 94 Resp: 60396

Ion Ratio Lower Upper

94 100

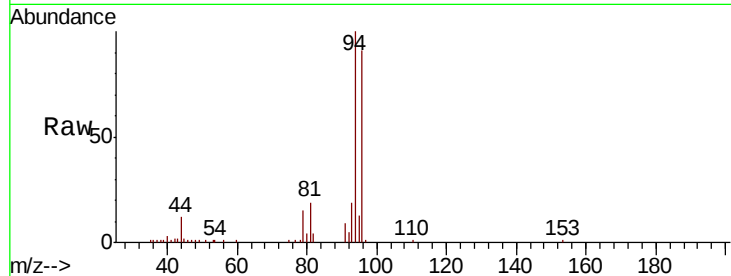
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Manual Integrations

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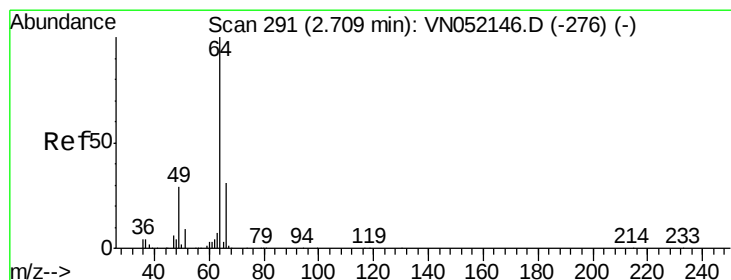
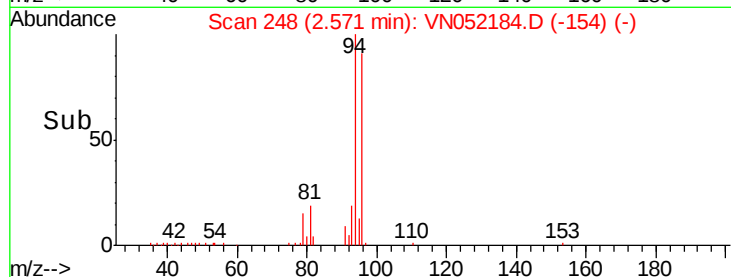
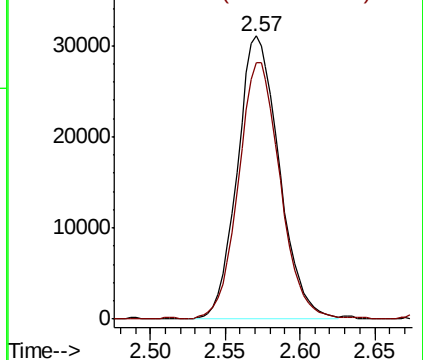
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 21.393 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052184.D

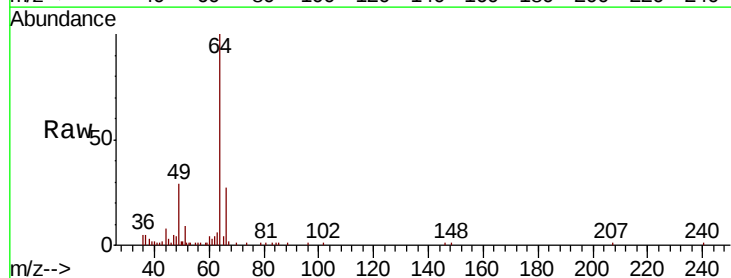
Acq: 6 Nov 2018 11:41

Tgt Ion: 64 Resp: 55062

Ion Ratio Lower Upper

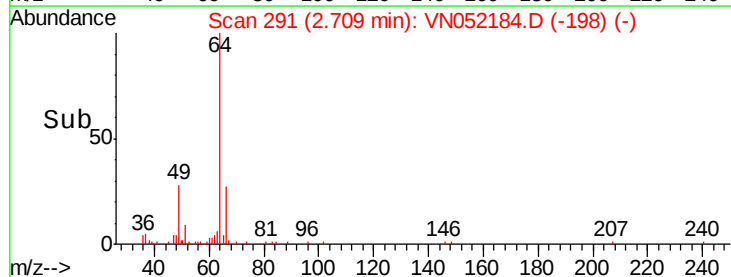
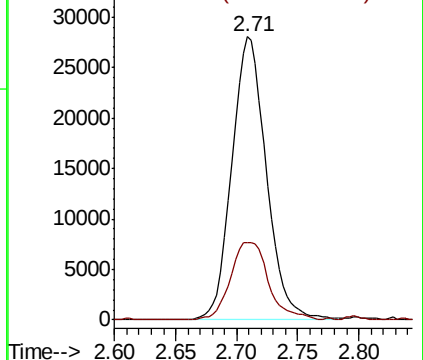
64 100

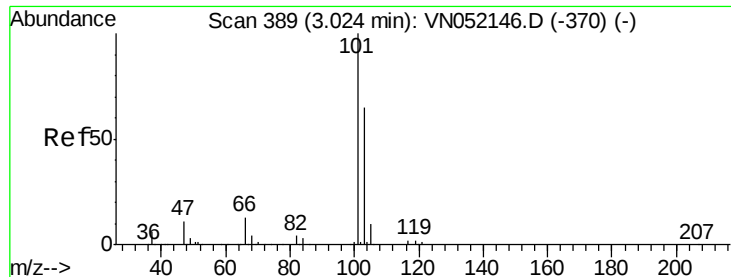
66 27.4 27.9 41.9#



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

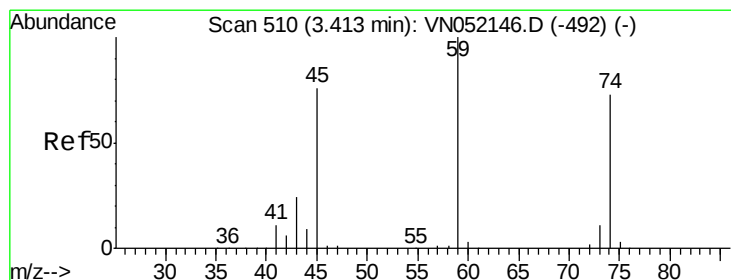
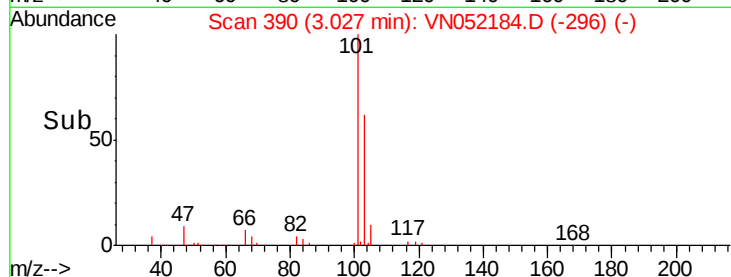
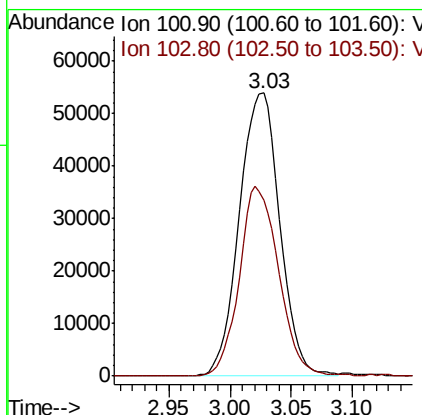
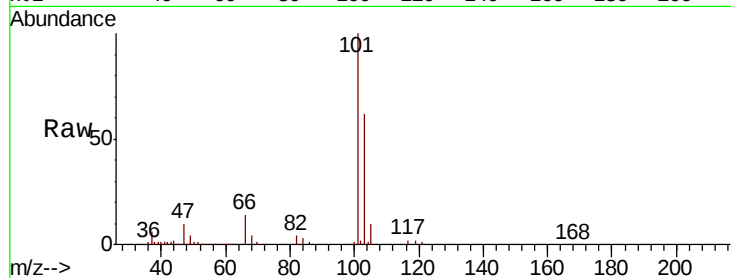
Trichlorofluoromethane
Concen: 21.191 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.0	76.4

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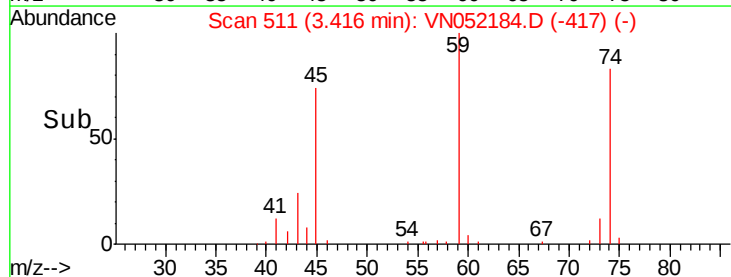
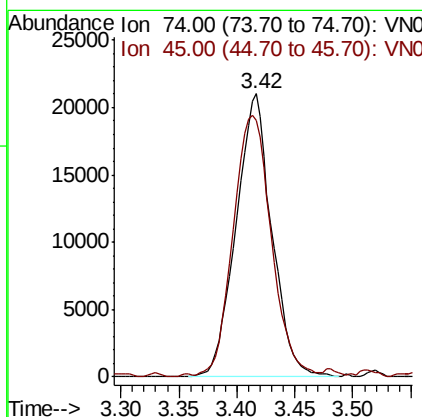
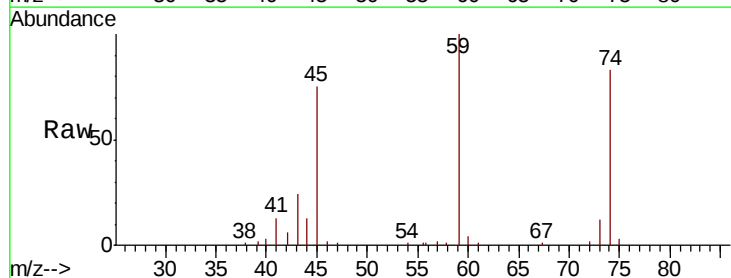
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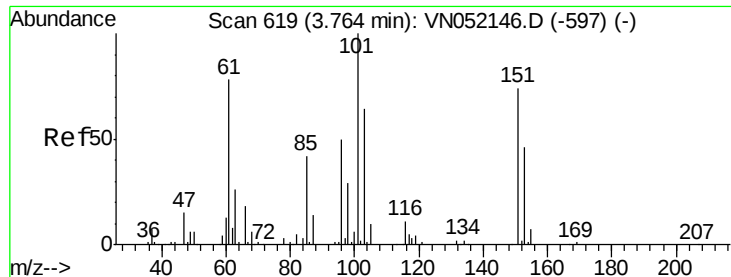


#8

Diethyl Ether
Concen: 21.987 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	55.6	166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.016 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

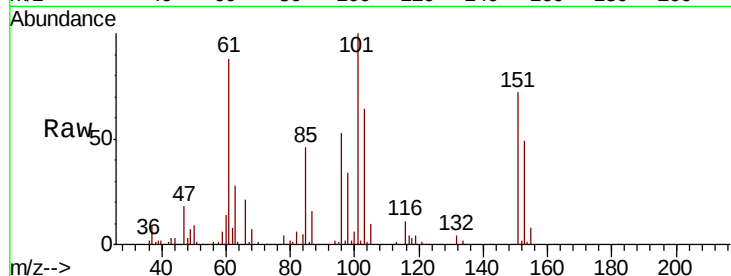
ClientSampleId :

VN1106WBSD02

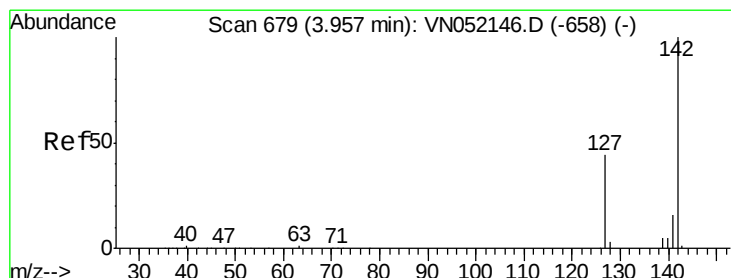
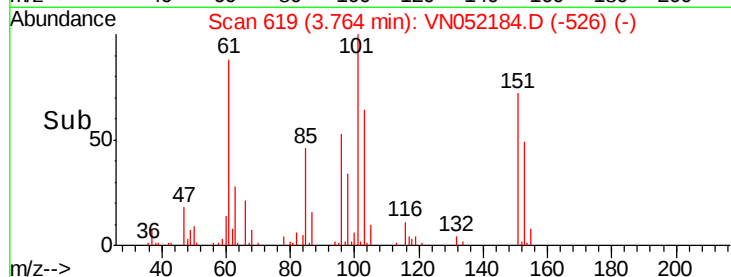
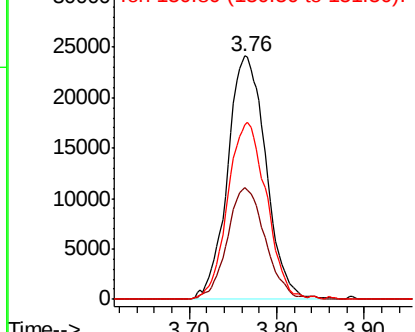
Tot Ion:	101	Resp:	73432
Ion Ratio	Lower	Upper	
101	100		
85	45.2	38.6	58.0
151	73.4	52.6	78.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.581 ug/l

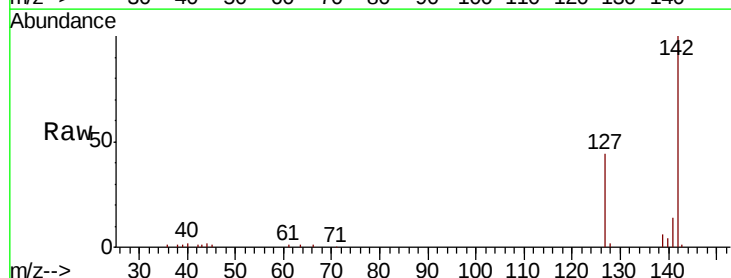
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

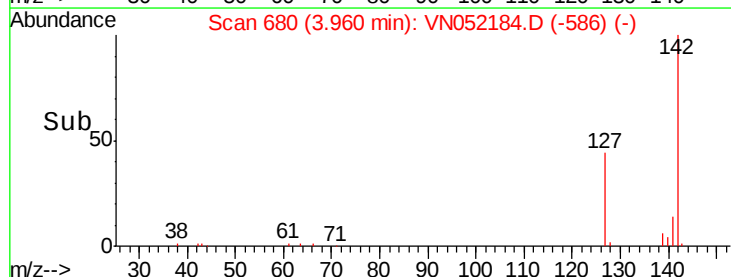
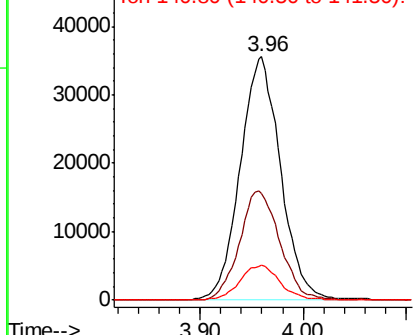
Lab File: VN052184.D

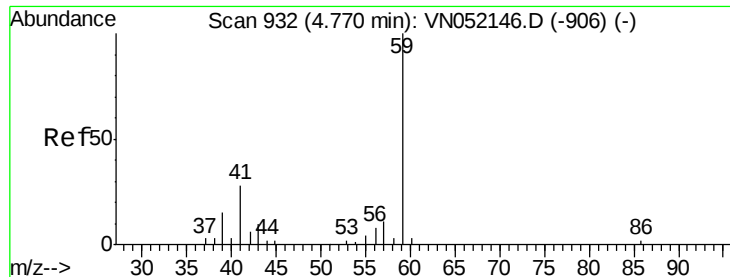
Acq: 6 Nov 2018 11:41

Tgt Ion:	142	Resp:	96598
Ion Ratio	Lower	Upper	
142	100		
127	44.6	37.3	55.9
141	14.3	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

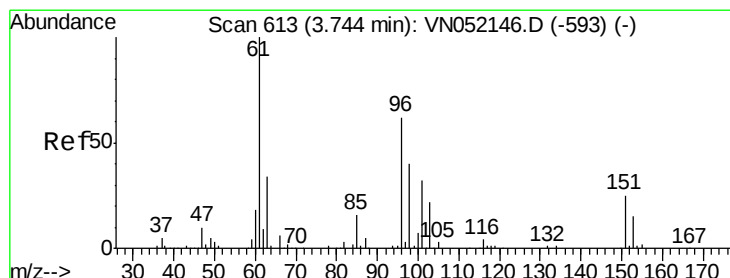
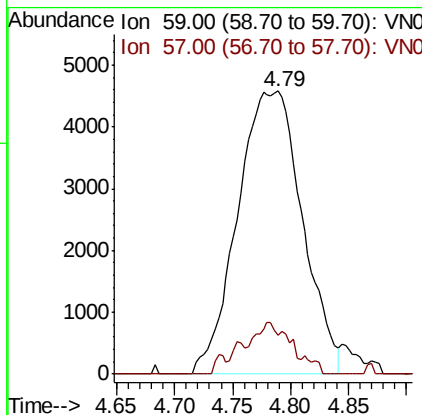
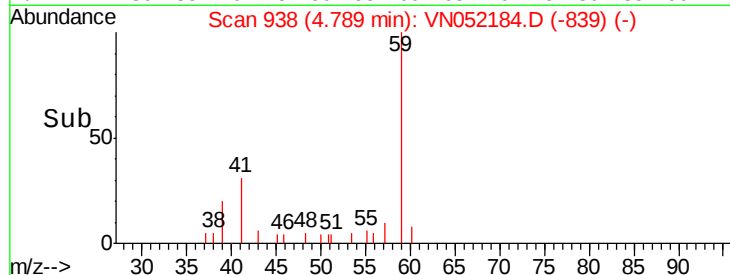
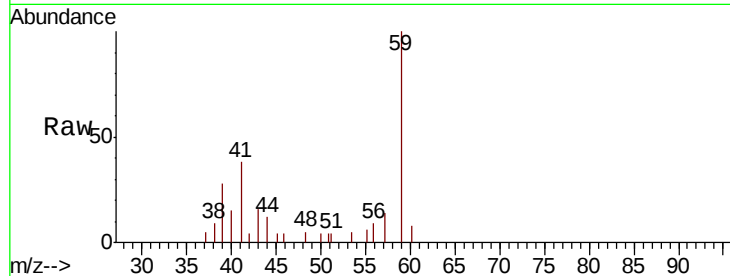
Tert butyl alcohol
Concen: 96.174 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.02 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
59.00	59	100		
57.00	57	5.8	7.0	10.6#

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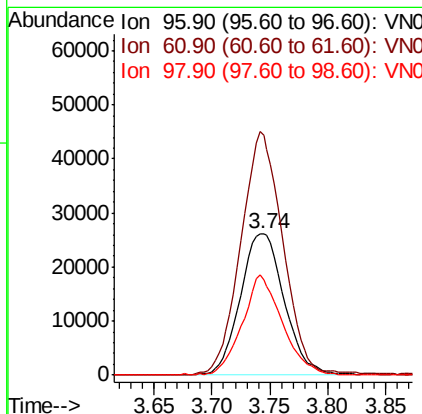
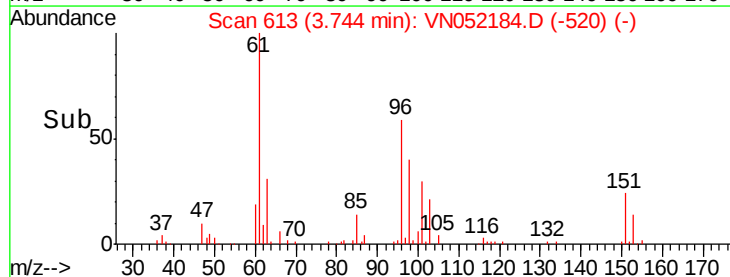
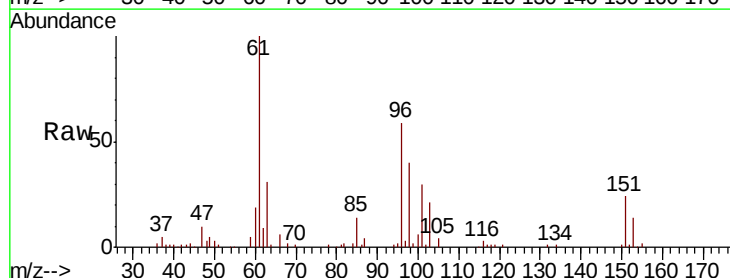
MMDadoda
11/6/2018 5:58:44 PM

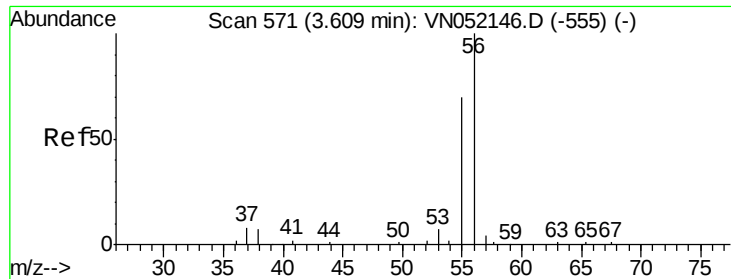


#12

1,1-Dichloroethene
Concen: 20.985 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
96.00	96	100		
61.00	61	169.3	145.7	218.5
98.00	98	67.2	49.8	74.8





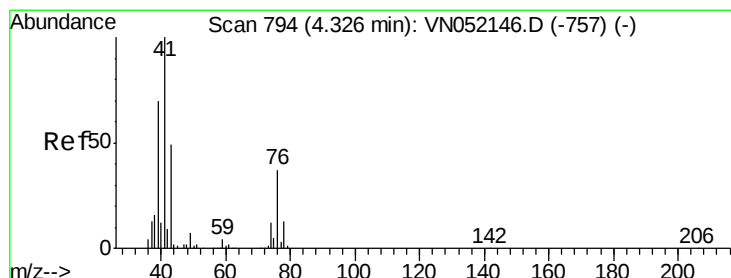
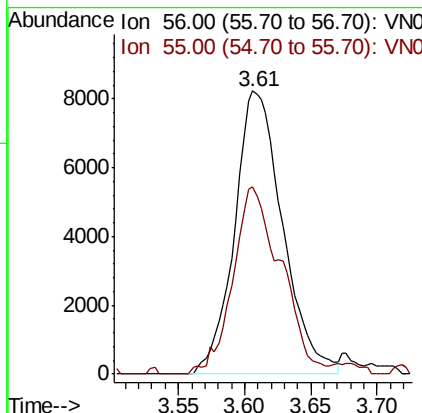
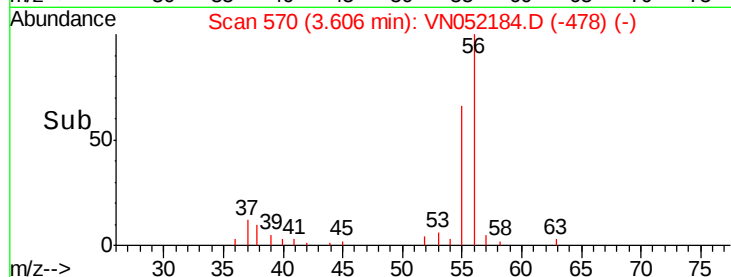
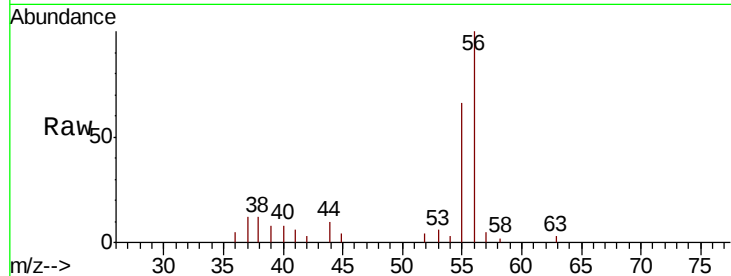
#13
 Acrolein
 Concen: 130.650 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tot Ion	56	55	Ratio	100	66.1	Resp	20879	Lower	59.9	Upper	89.9
Ion	56	55	Ratio	100	66.1	Resp	20879	Lower	59.9	Upper	89.9

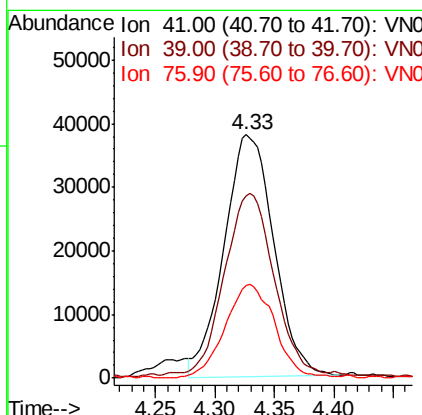
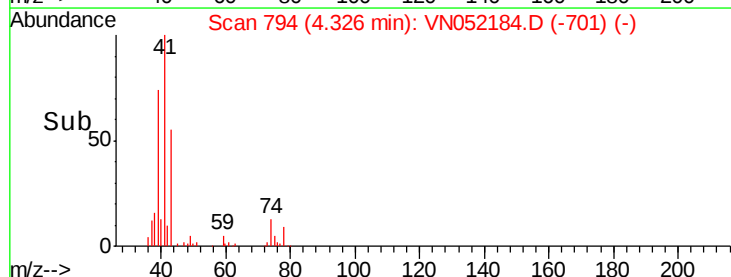
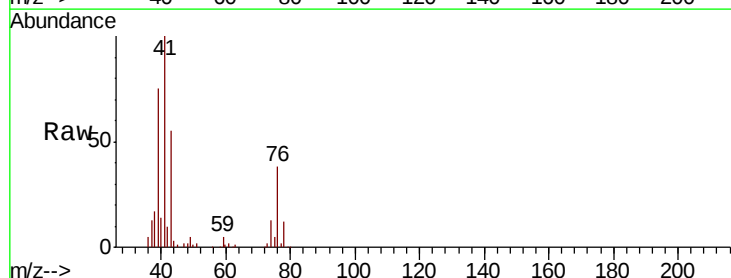
Manual Integrations
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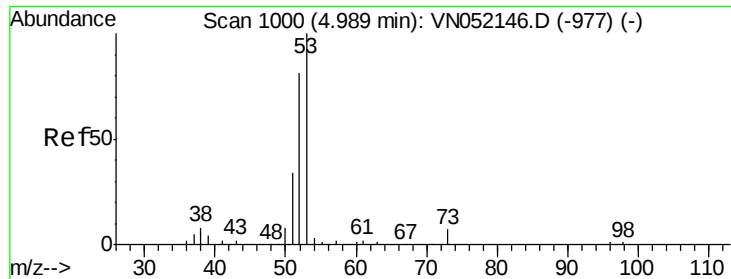
MMDadoda
 11/6/2018 5:58:44 PM



#14
 Allyl chloride
 Concen: 20.134 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	41	39	76	Ratio	100	73.8	38.6	Resp	110542	Lower	58.1	26.0	Upper	87.1	39.0
Ion	41	39	76	Ratio	100	73.8	38.6	Resp	110542	Lower	58.1	26.0	Upper	87.1	39.0





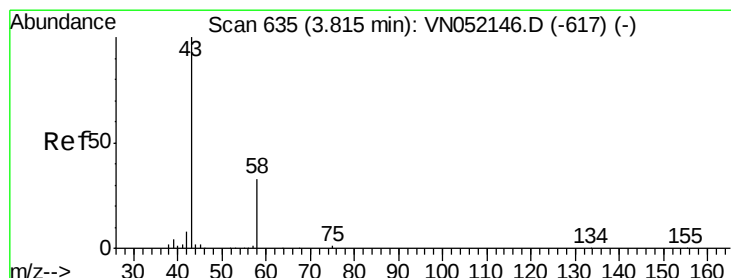
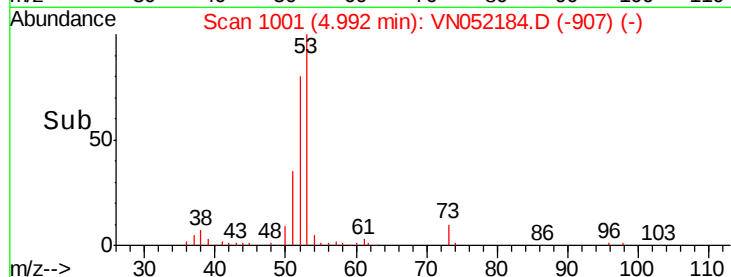
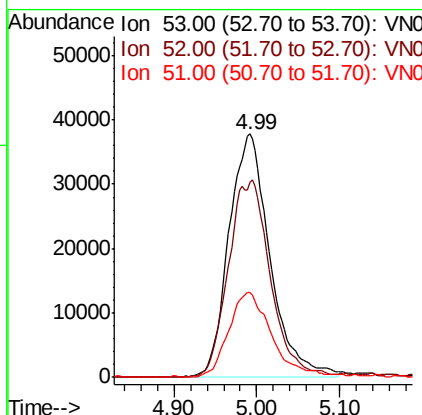
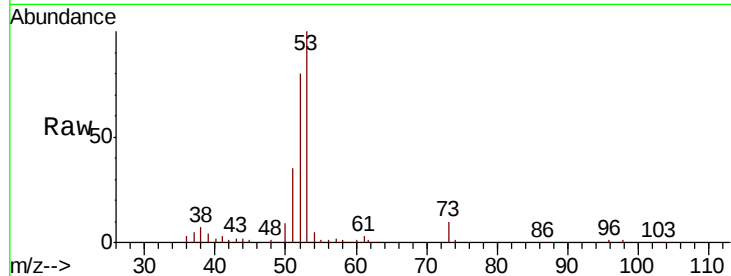
#15
 Acrylonitrile
 Concen: 107.342 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	39.4	66.6	100.0#
51	36.5	29.0	43.6

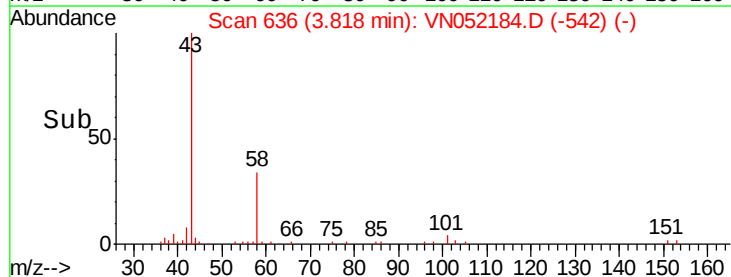
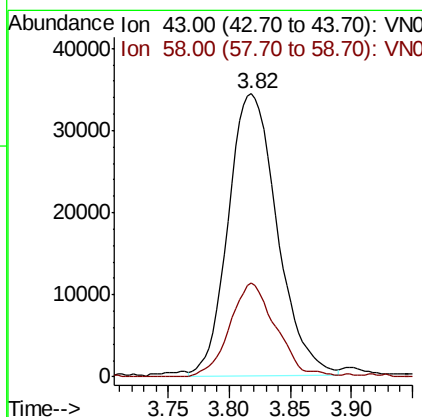
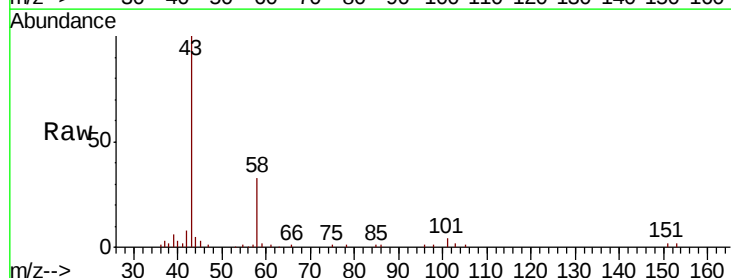
Manual Integrations
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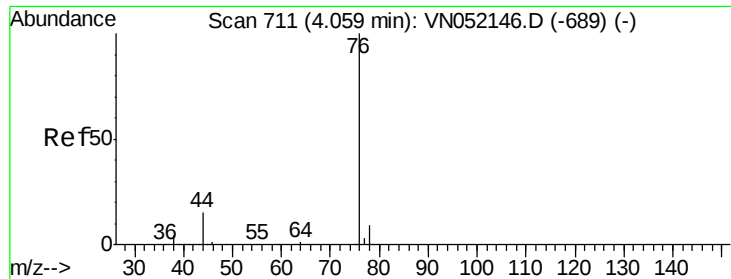
MMDadoda
 11/6/2018 5:58:44 PM



#16
 Acetone
 Concen: 99.812 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.2	36.2





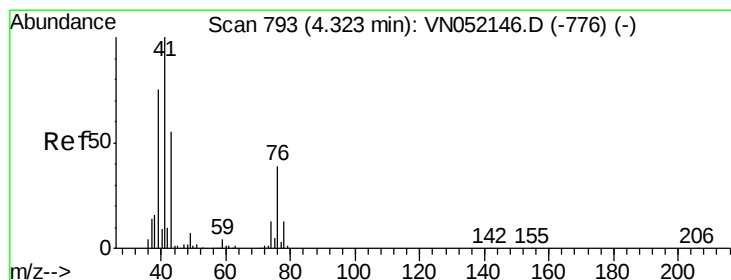
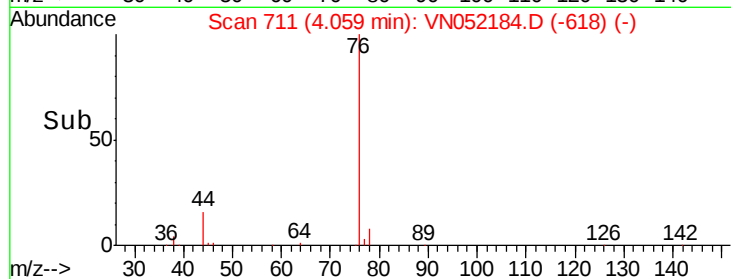
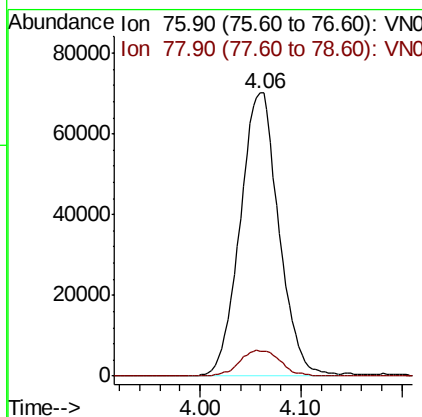
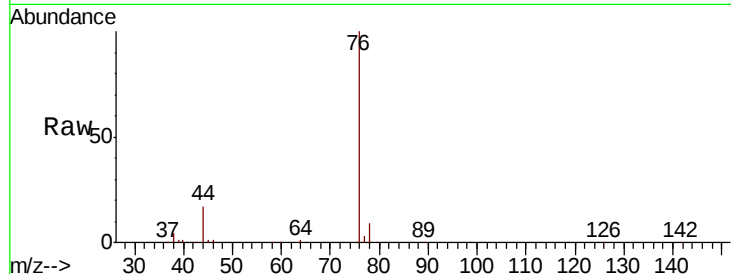
#17
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

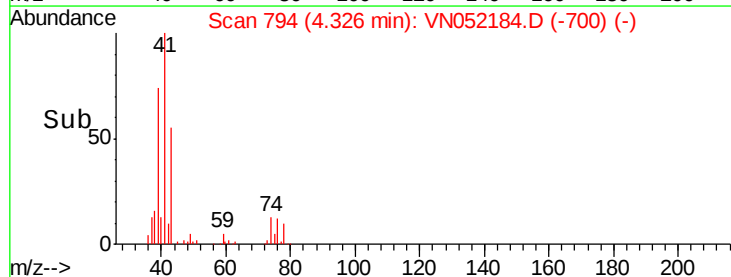
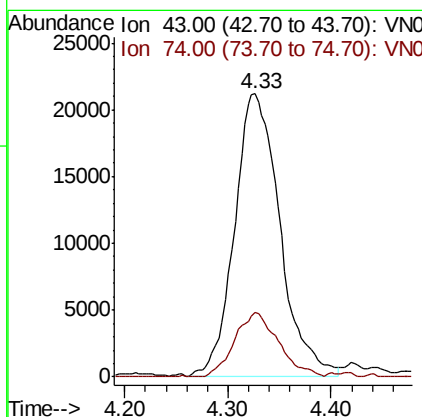
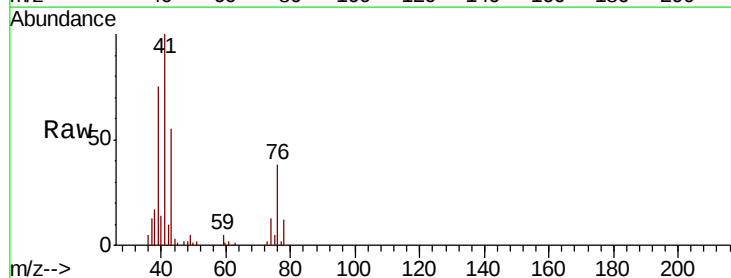
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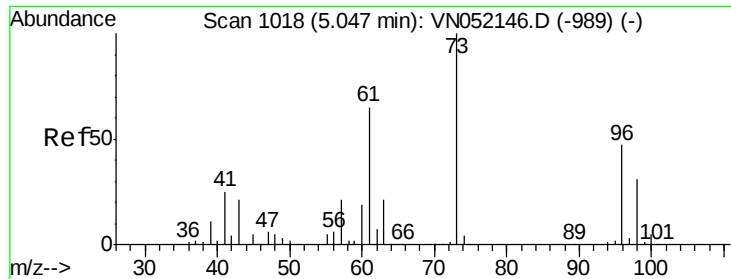
MMDadoda
11/6/2018 5:58:44 PM



#18
Methyl Acetate
Concen: 21.910 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.9	26.9





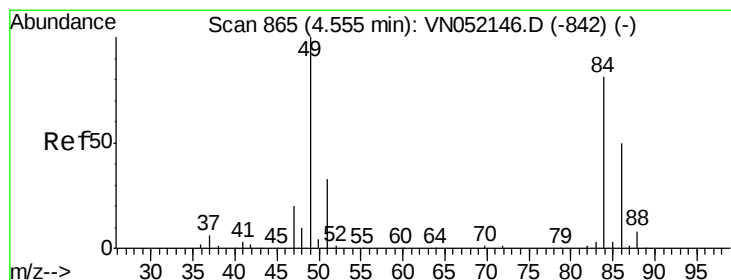
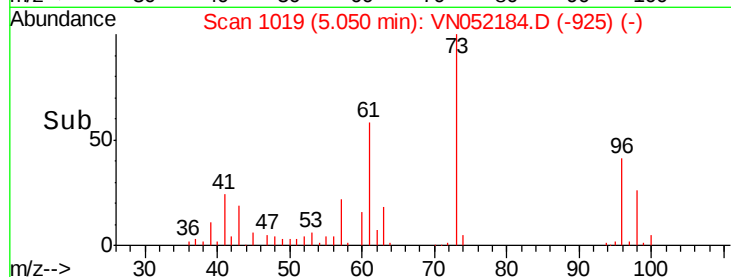
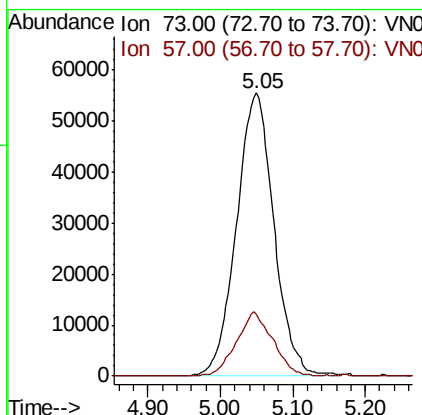
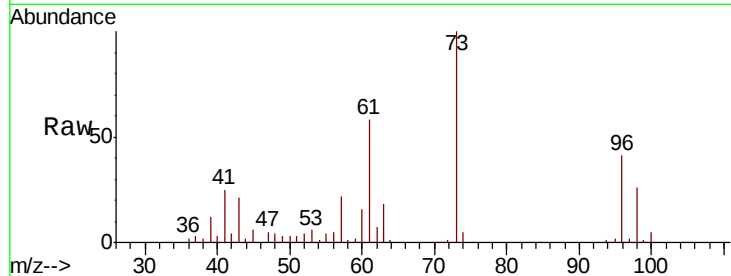
#19
Methyl tert-butyl Ether
Concen: 21.995 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion: 73 Resp: 199315
Ion Ratio Lower Upper
73 100
57 21.9 18.7 28.1

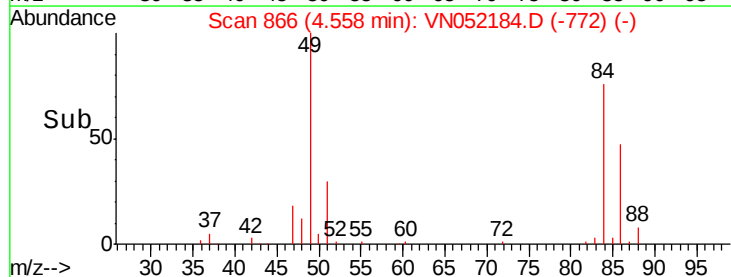
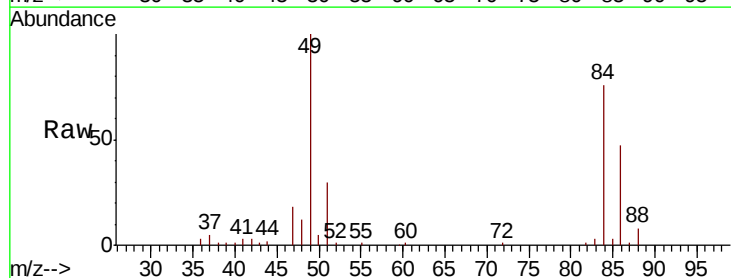
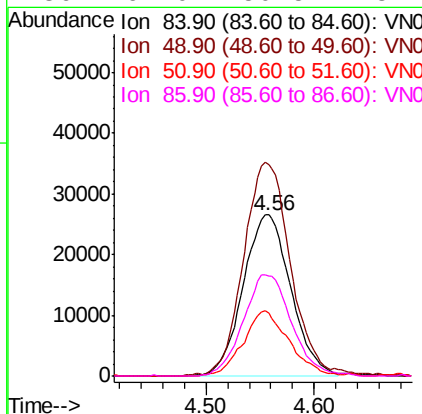
Manual Integrations
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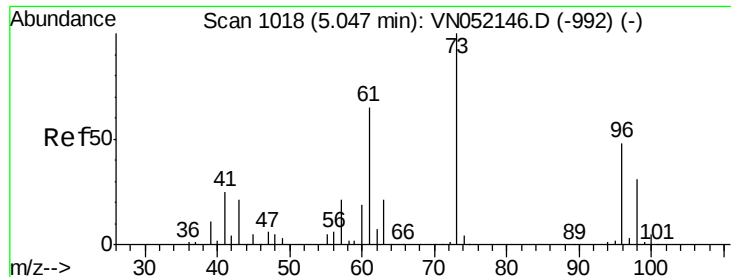
MMDadoda
11/6/2018 5:58:44 PM



#20
Methylene Chloride
Concen: 20.451 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 84 Resp: 81521
Ion Ratio Lower Upper
84 100
49 130.2 110.6 165.8
51 39.1 33.7 50.5
86 62.0 50.5 75.7





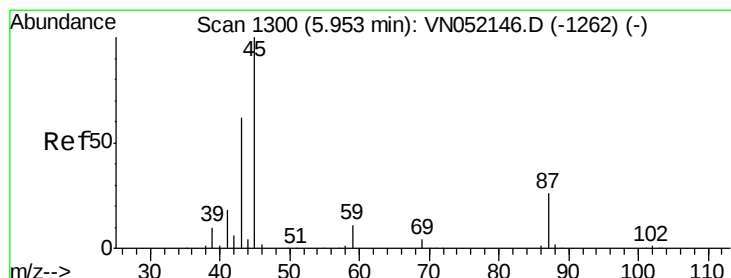
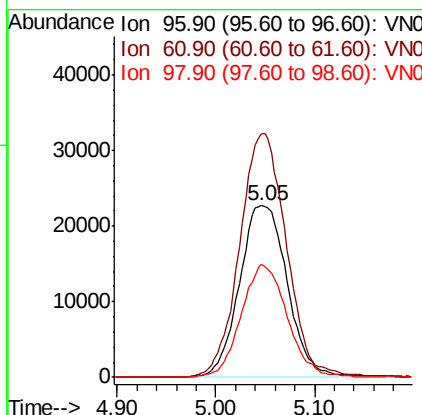
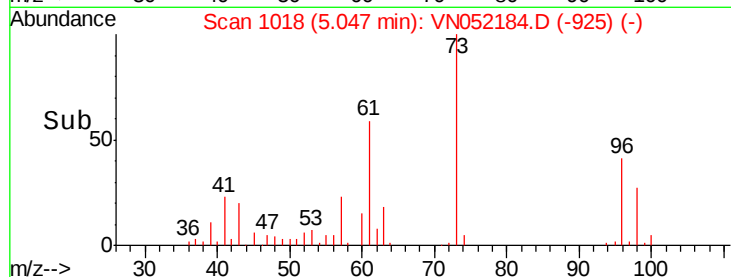
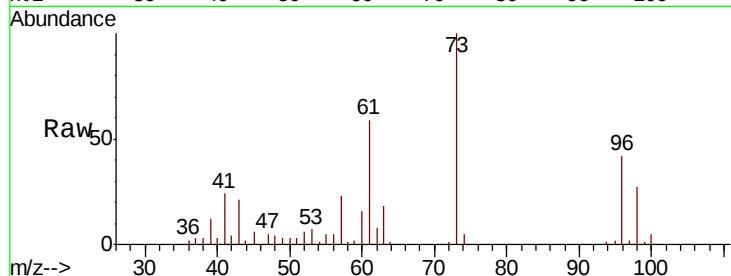
#21
trans-1,2-Dichloroethene
Concen: 22.219 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	118.6	178.0
98	65.6	49.7	74.5

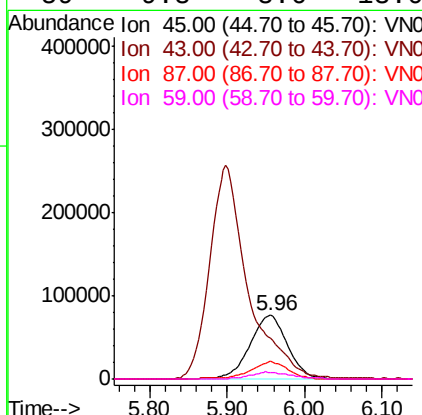
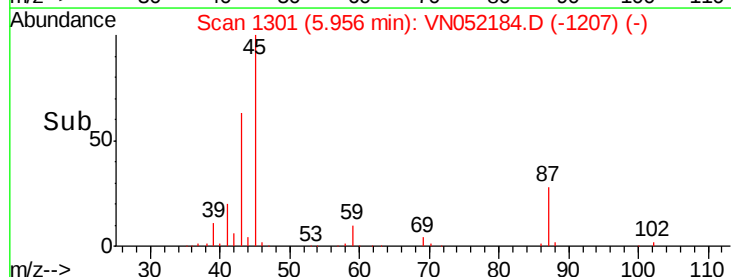
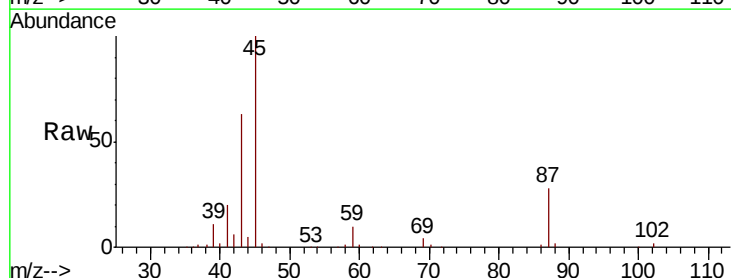
Manual Integrations
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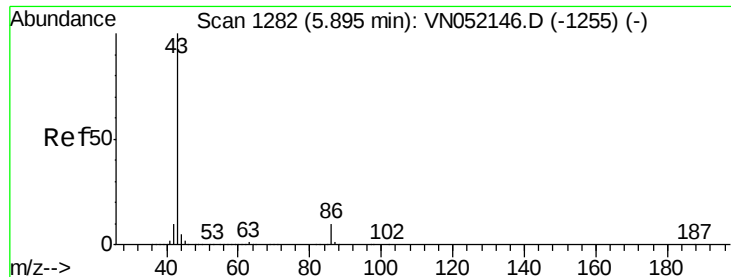
MMDadoda
11/6/2018 5:58:44 PM



#22
Diisopropyl ether
Concen: 21.431 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	50.5	75.7
87	27.6	21.5	32.3
59	9.8	8.6	13.0





#23

Vinyl Acetate

Concen: 111.759 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 43 Resp: 889740

Ion Ratio Lower Upper

43 100

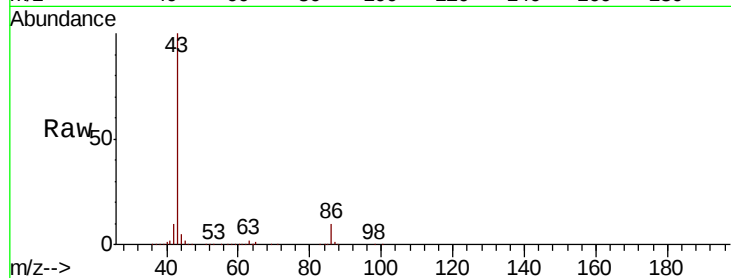
86 10.0 7.3 10.9

Manual Integrations

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MMDadoda

11/6/2018 5:58:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN052184.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN052184.D (-1255) (-)

5.90

250000

200000

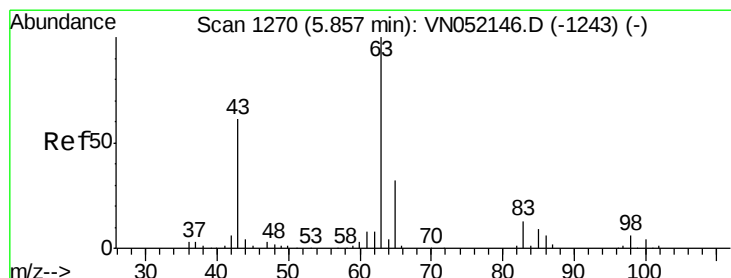
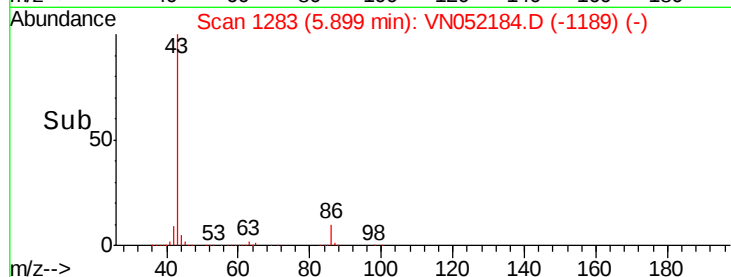
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.755 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

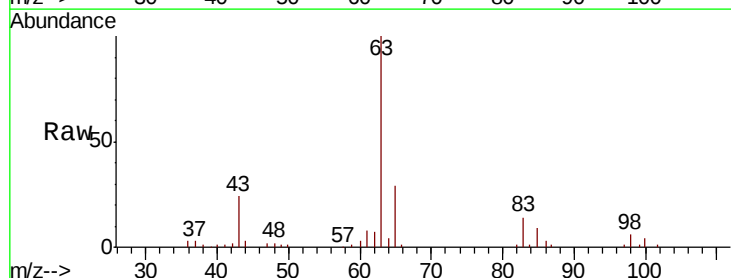
Tgt Ion: 63 Resp: 148959

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052184.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN052184.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN052184.D (-1243) (-)

5.85

60000

50000

40000

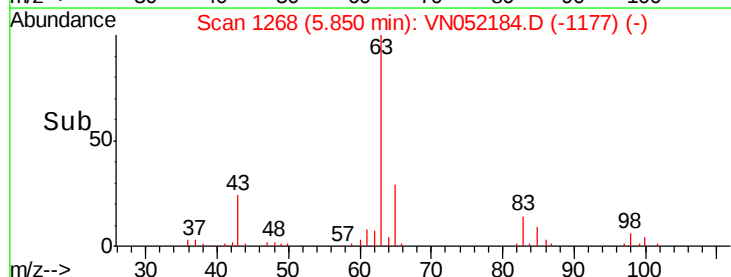
30000

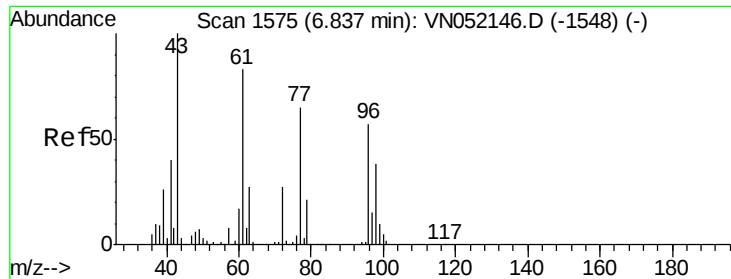
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 105.832 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 43 Resp: 157434

Ion Ratio Lower Upper

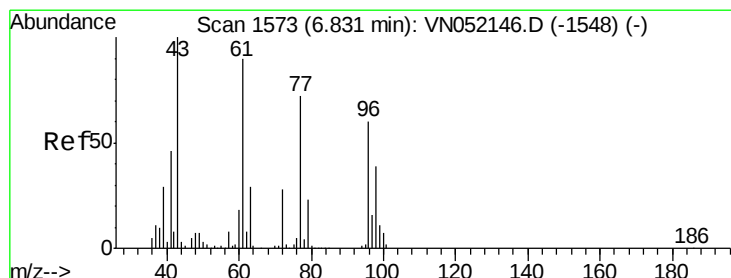
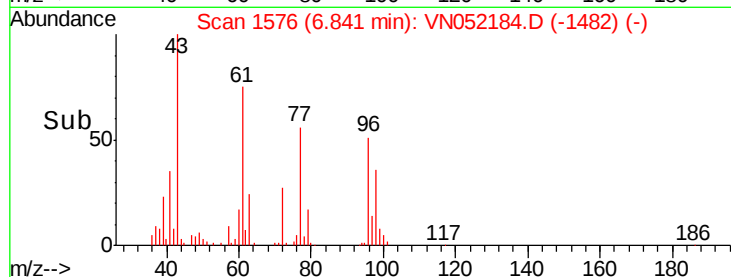
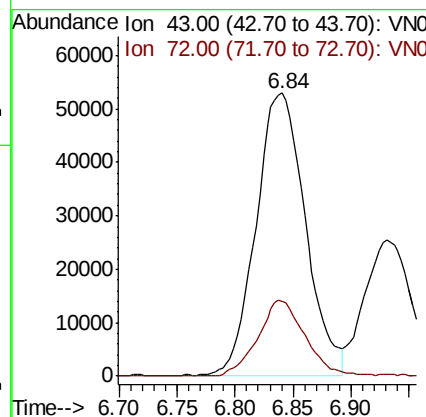
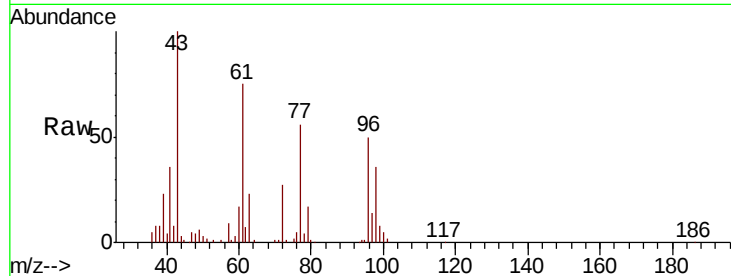
43 100

72 26.6 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 20.015 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052184.D

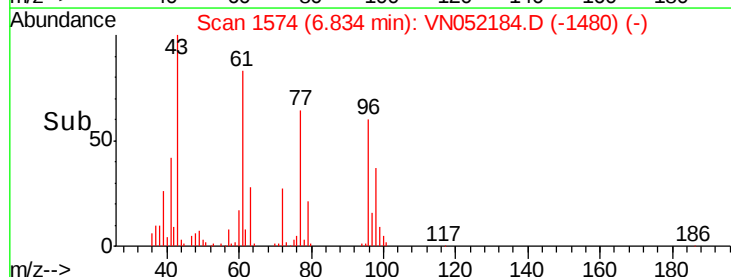
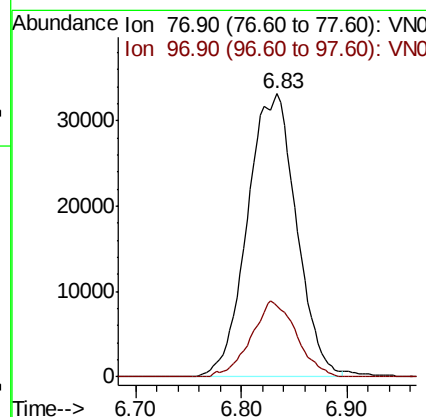
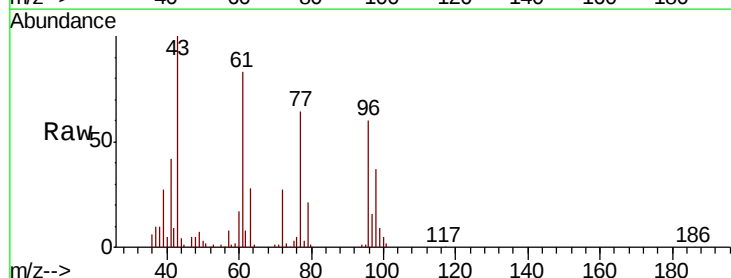
Acq: 6 Nov 2018 11:41

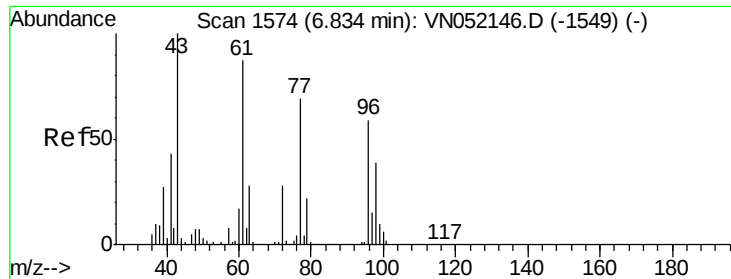
Tgt Ion: 77 Resp: 107189

Ion Ratio Lower Upper

77 100

97 24.8 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 21.256 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

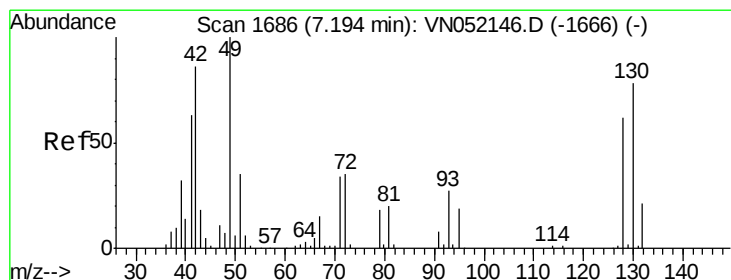
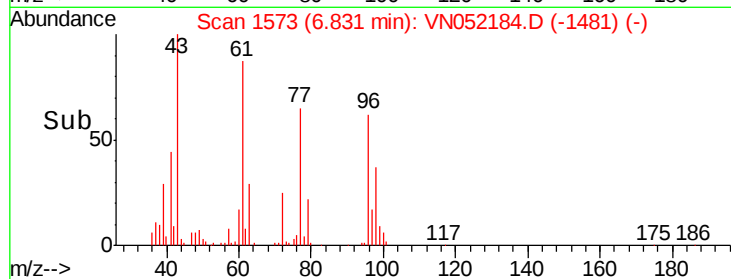
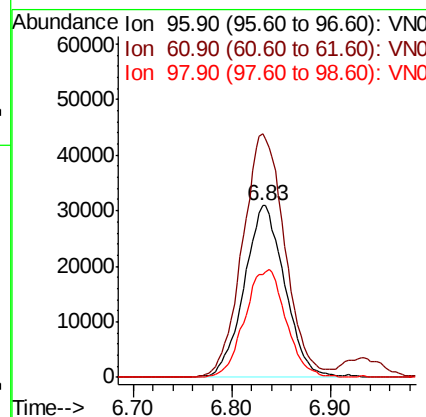
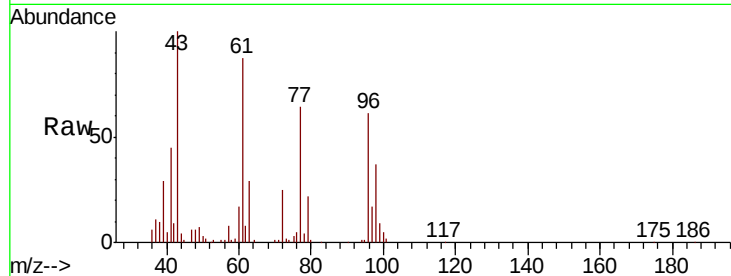
ClientSampleId :

VN1106WBSD02

Tot Ion:	96	Resp:	88215
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	312.8
98	63.7	0.0	127.0

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#28

Bromochloromethane

Concen: 21.261 ug/l

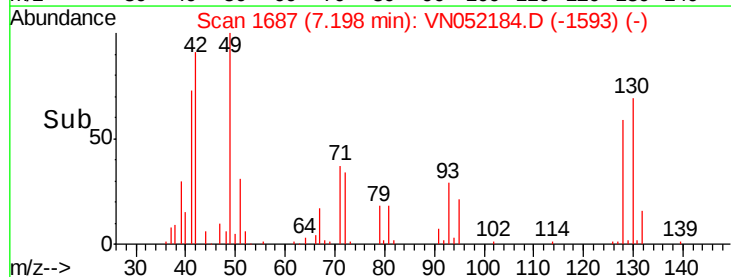
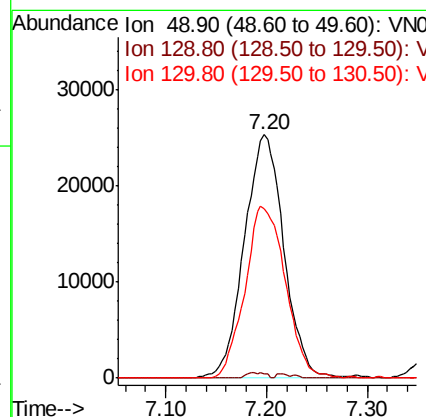
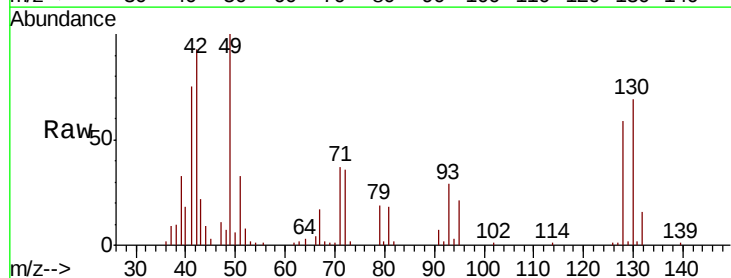
RT: 7.20 min Scan# 1687

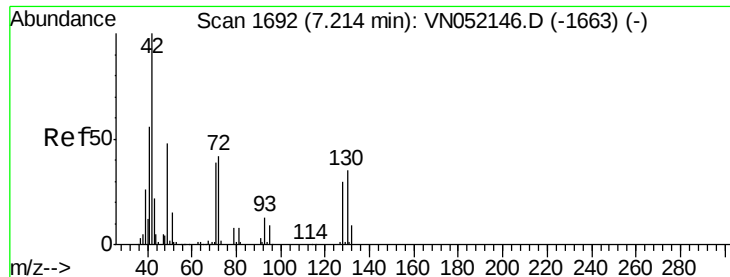
Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Tgt Ion:	49	Resp:	68919
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.4
130	72.0	50.8	76.2





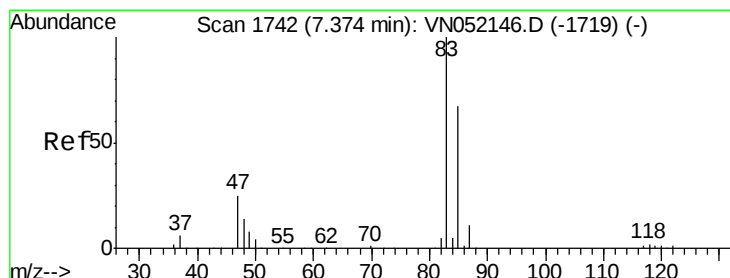
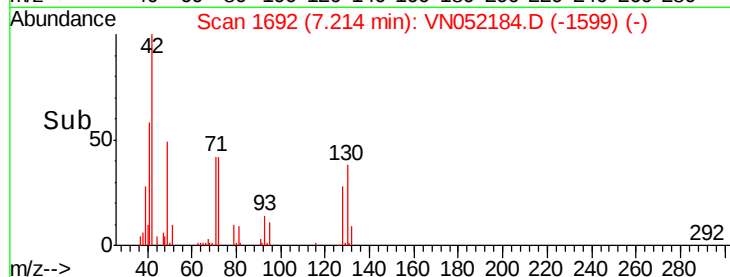
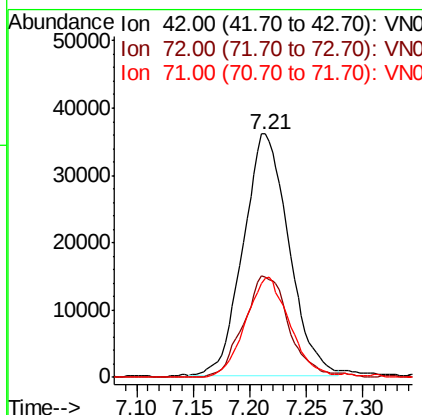
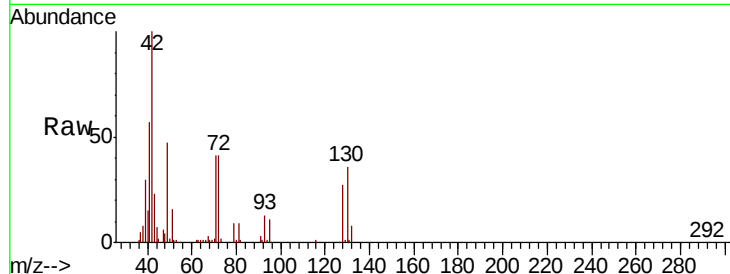
#29
Tetrahydrofuran
Concen: 109.299 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.5	48.7
71	40.0	30.6	46.0

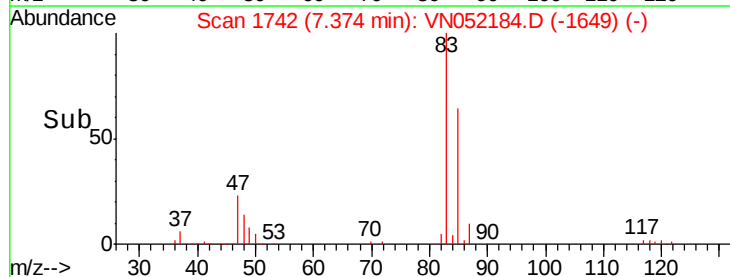
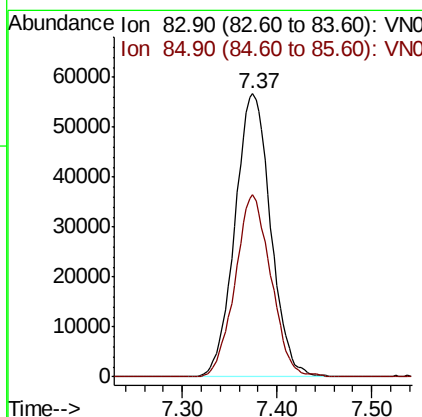
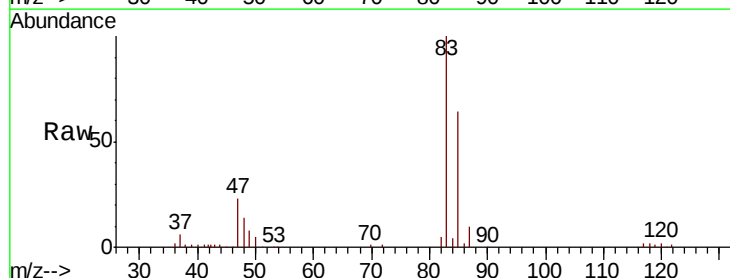
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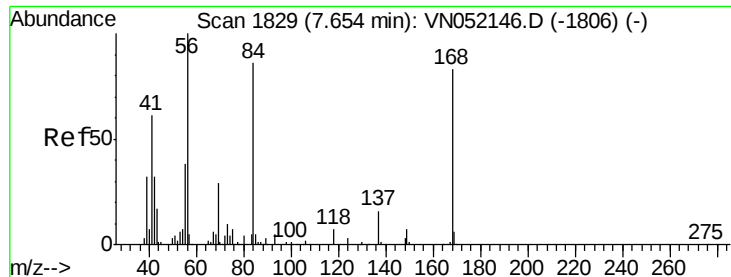
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11/6/2018 5:58:44 PM



#30
Chloroform
Concen: 21.831 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.6	74.4





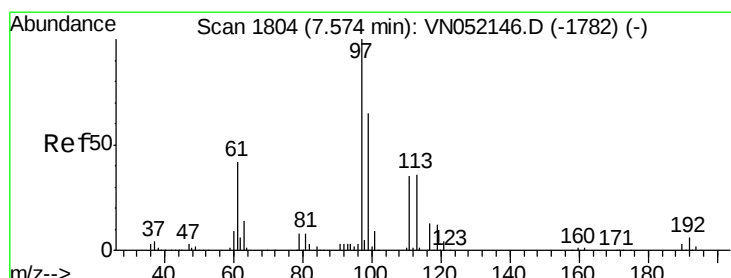
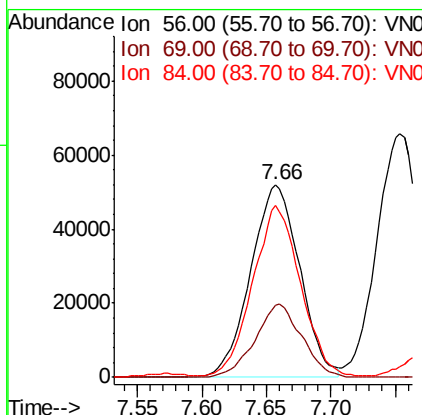
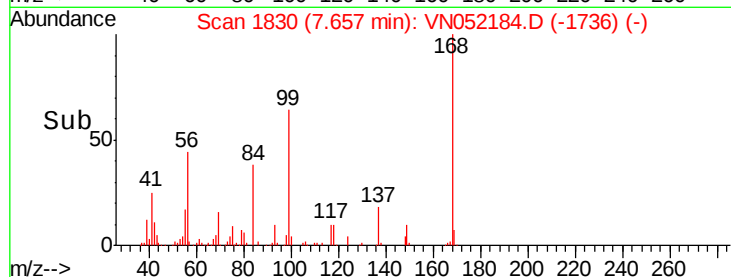
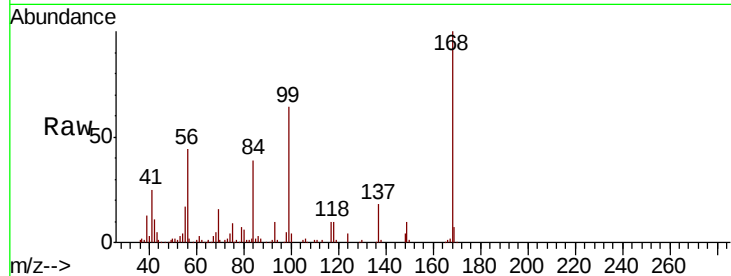
#31
Cyclohexane
Concen: 20.618 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.8	38.6
84	87.8	63.5	95.3

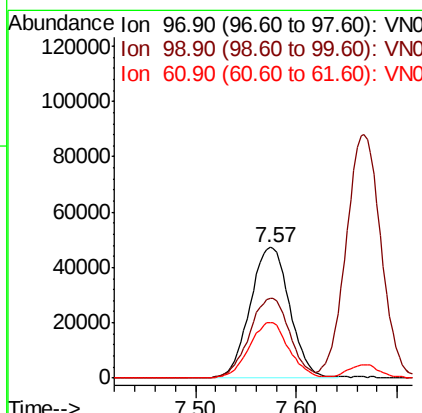
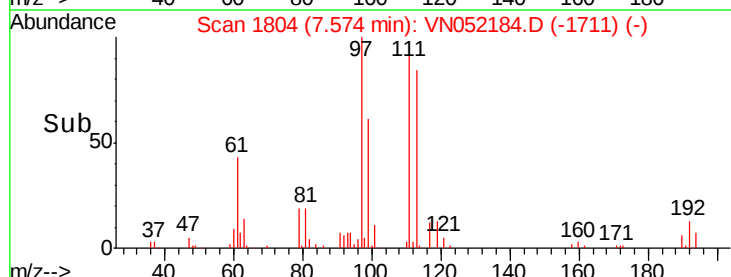
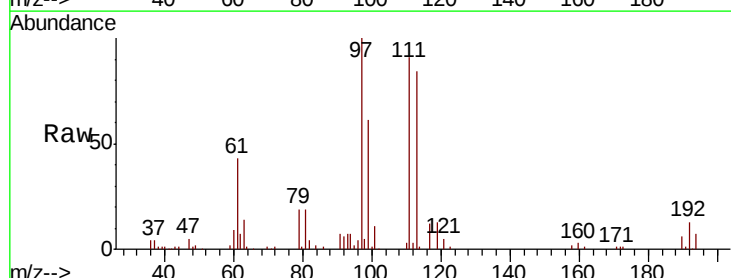
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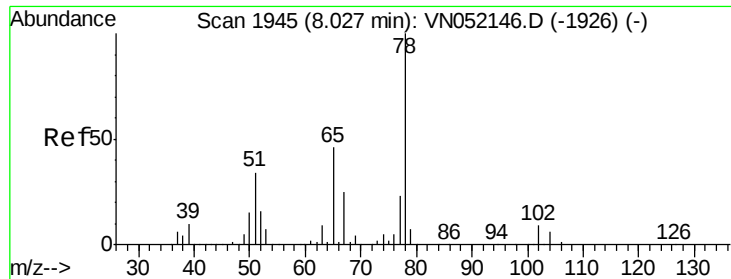
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.296 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.4	77.2
61	42.7	40.3	60.5





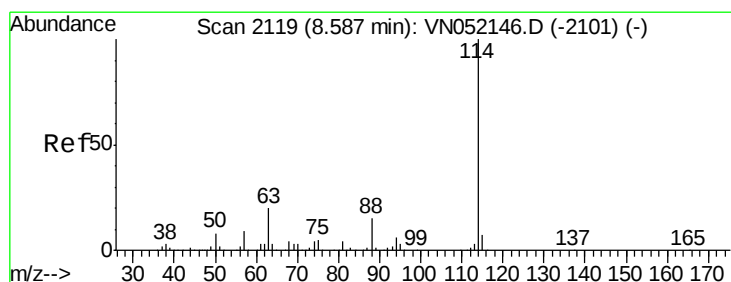
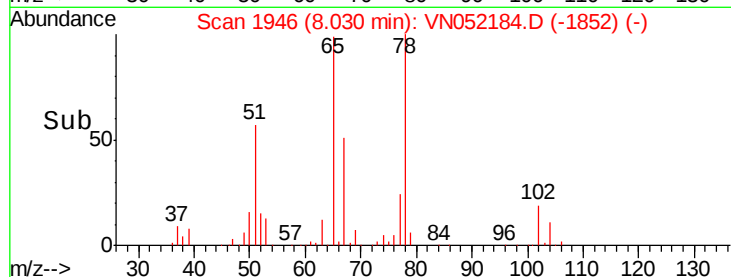
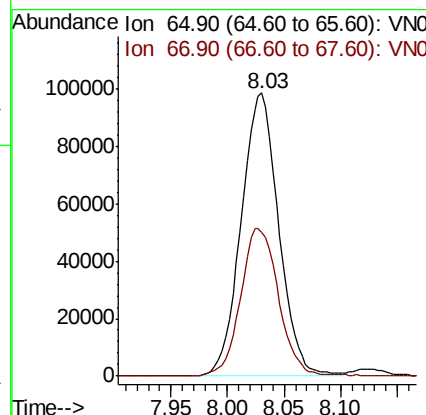
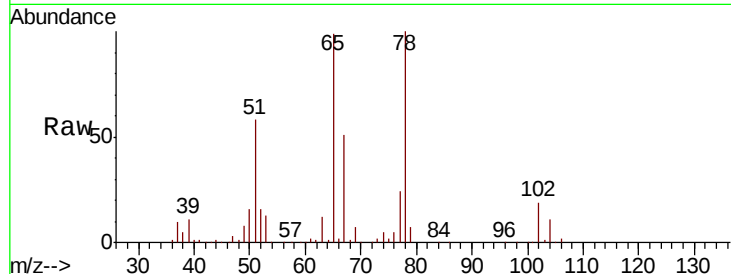
#33
 1,2-Dichloroethane-d4
 Concen: 21.296 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	227562		
67	52.7	0.0	105.2	

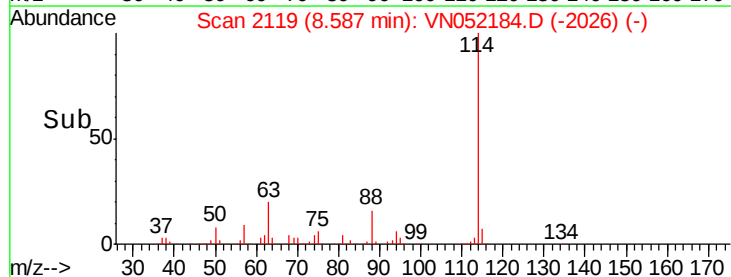
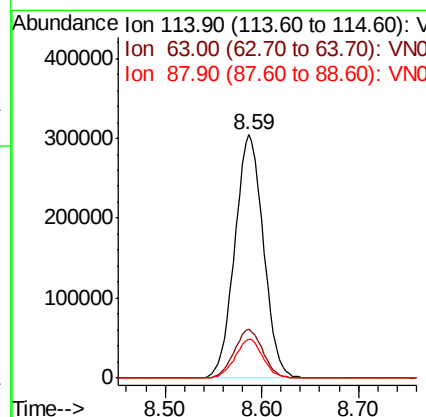
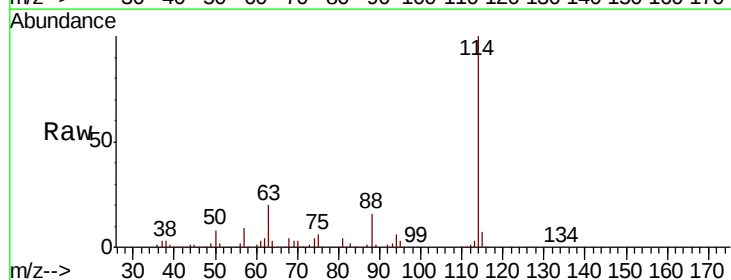
Manual Integrations
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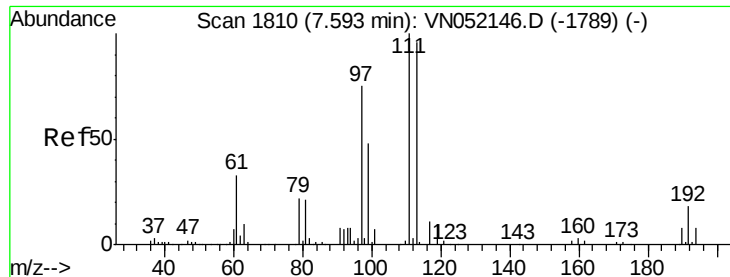
MMDadoda
 11/6/2018 5:58:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	625212		
63	19.9	0.0	46.0	
88	16.1	0.0	35.4	





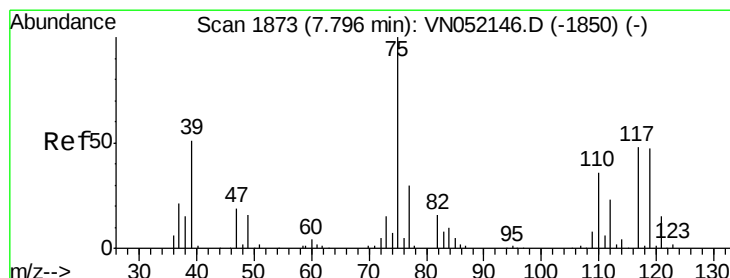
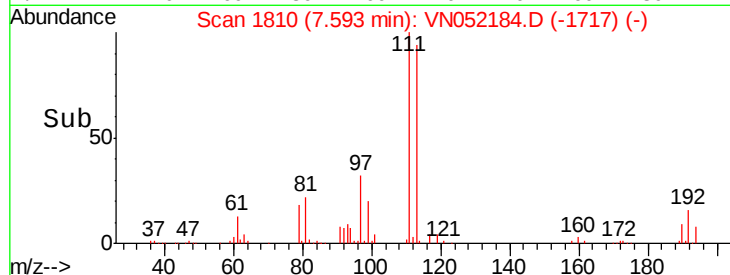
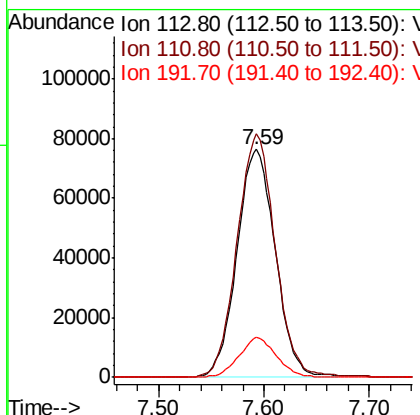
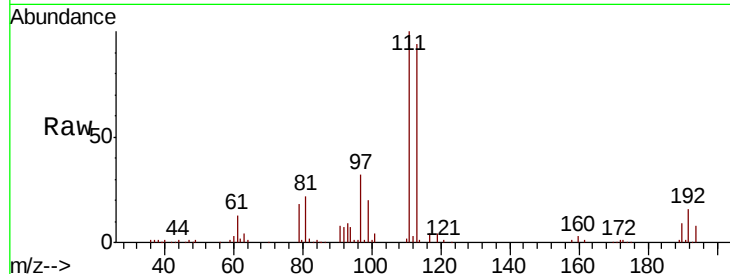
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193463		
111	106.1	83.1	124.7	
192	17.1	12.7	19.1	

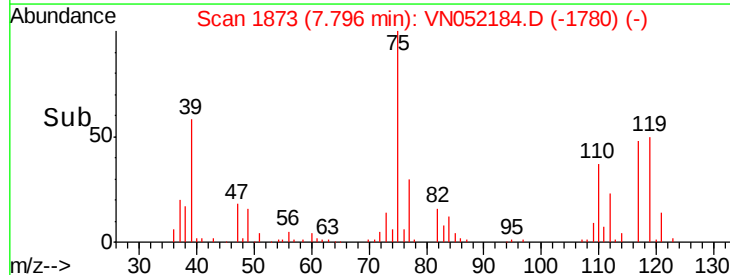
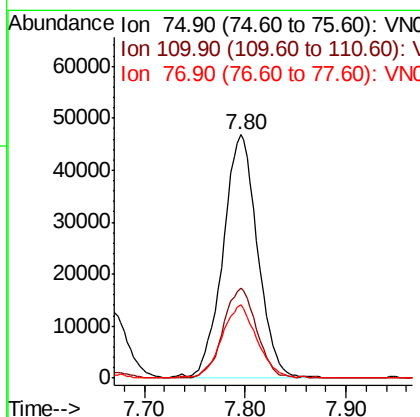
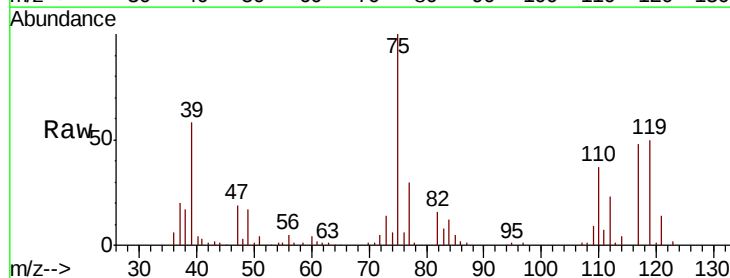
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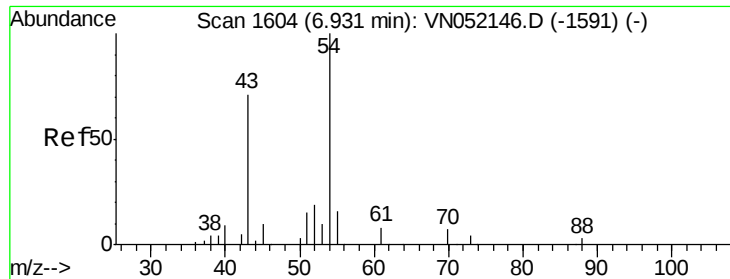
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#36
1,1-Dichloropropene
Concen: 20.174 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	111581		
110	36.1	16.0	48.0	
77	30.7	24.5	36.7	





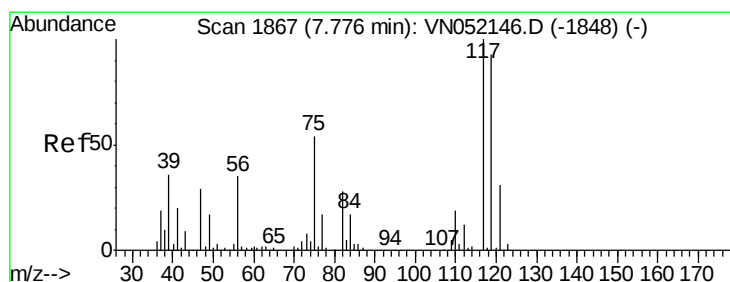
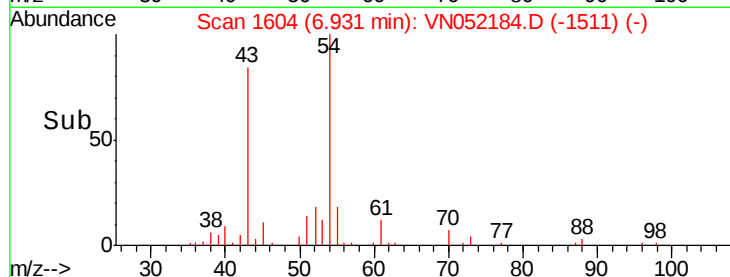
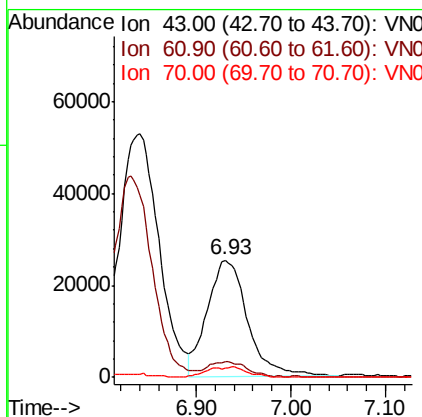
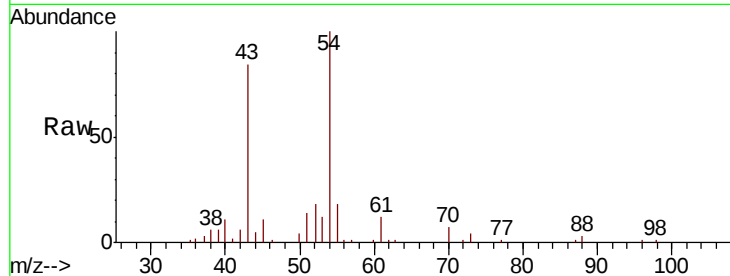
#37
Ethyl Acetate
Concen: 21.485 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.9	16.3
70	4.0	8.6	12.8

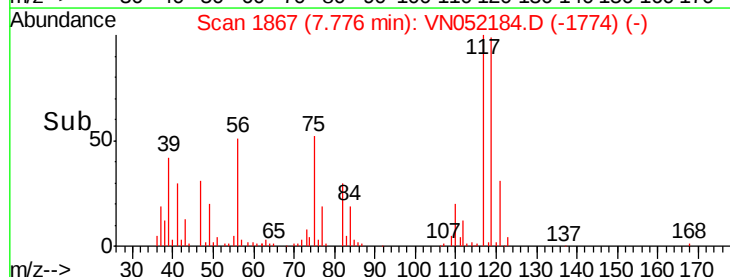
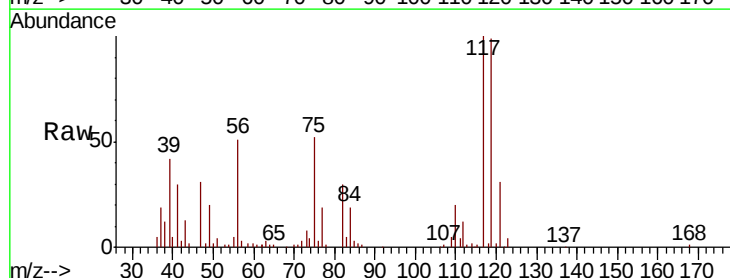
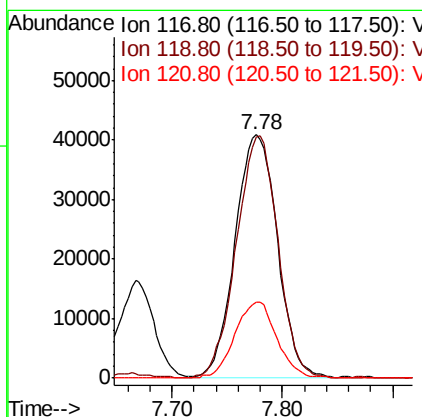
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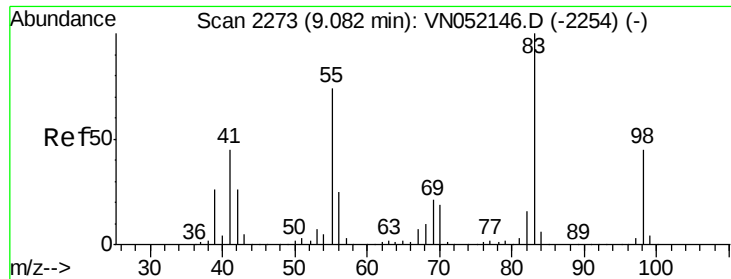
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.558 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	74.8	112.2
121	31.1	25.1	37.7





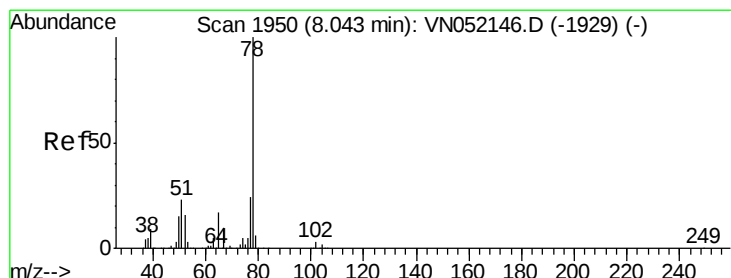
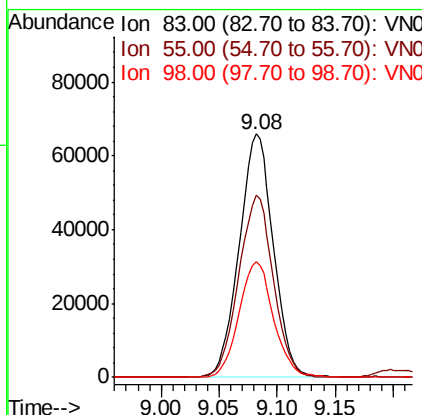
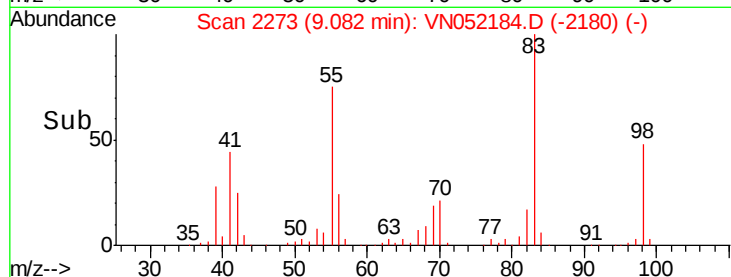
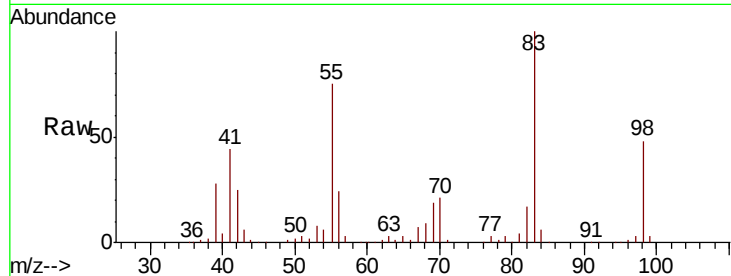
#39
Methvlcvclohexane
Concen: 20.579 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	62.0	93.0
98	47.5	34.7	52.1

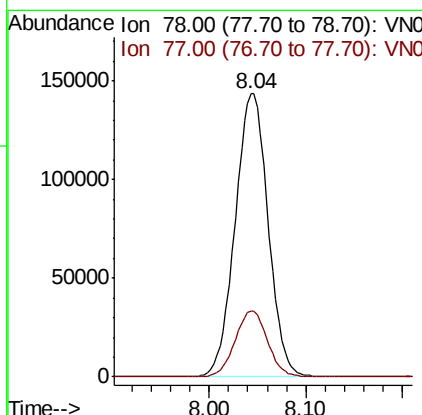
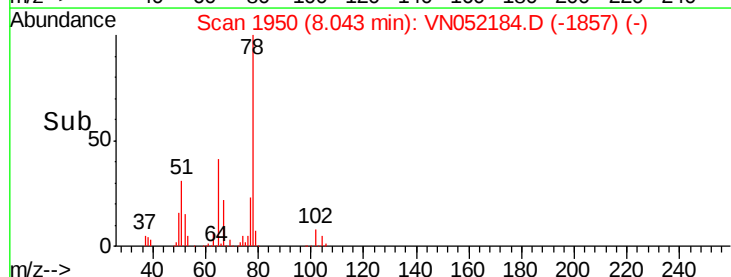
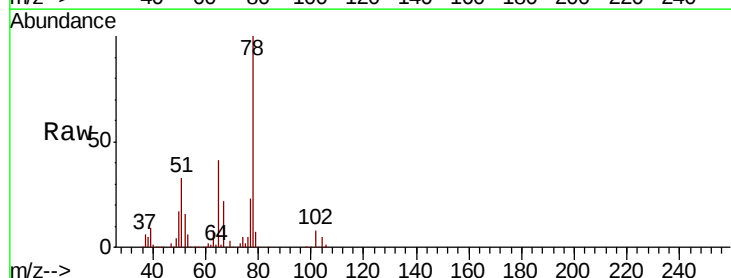
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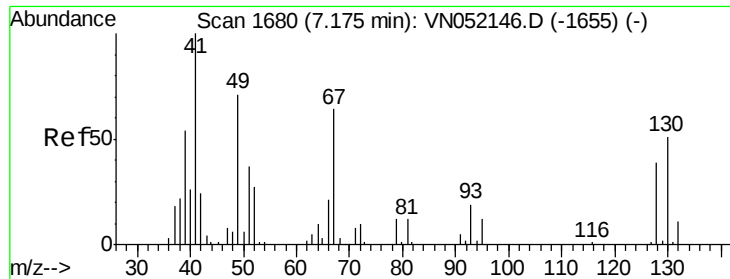
MMDadoda
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#40
Benzene
Concen: 20.925 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.8	29.6





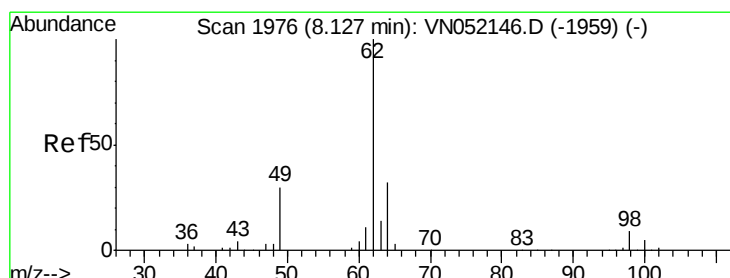
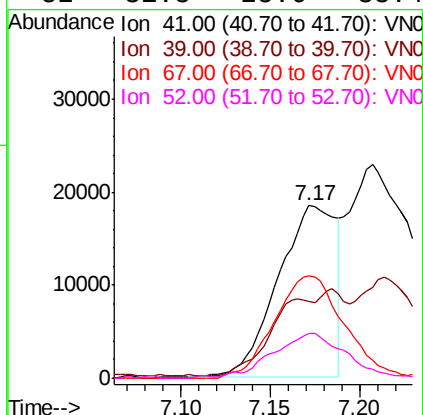
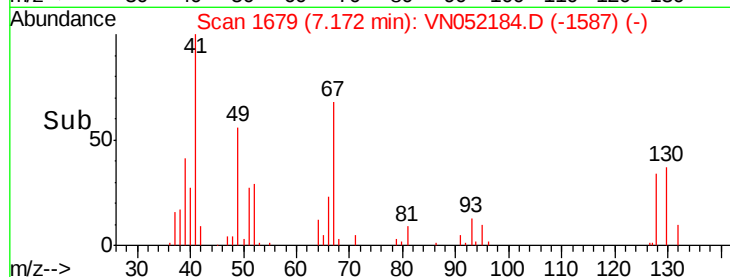
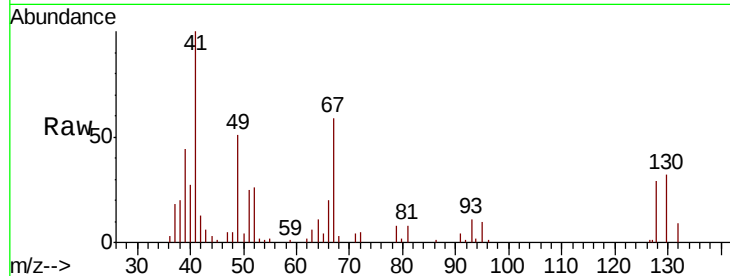
#41
Methacrylonitrile
Concen: 23.085 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	41	Resp	41325
Ion Ratio	Lower	Upper	
41	100		
39	35.4	33.2	49.8
67	72.6	63.5	95.3
52	31.8	25.6	38.4

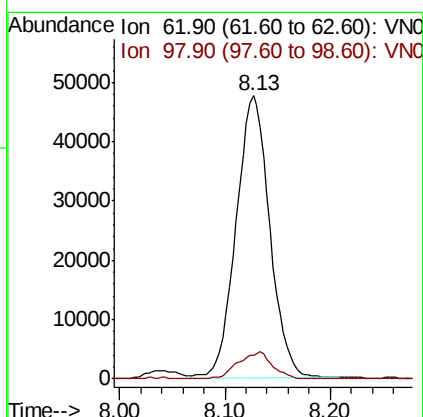
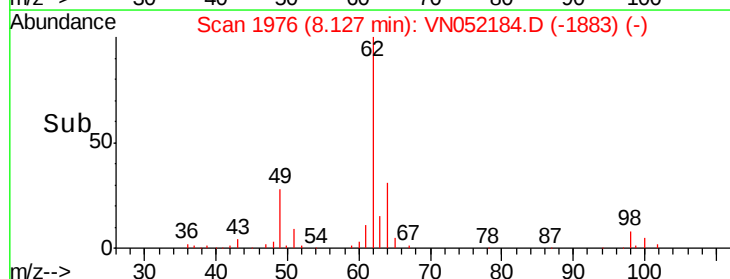
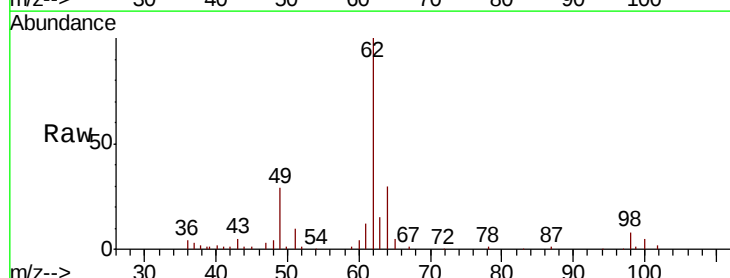
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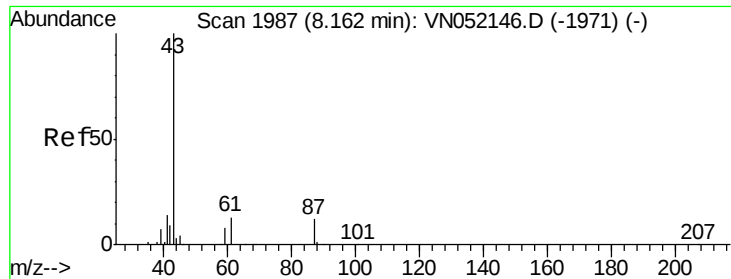
MMDadoda
11/6/2018 5:58:44 PM



#42
1,2-Dichloroethane
Concen: 20.235 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	62	Resp	105763
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	15.2





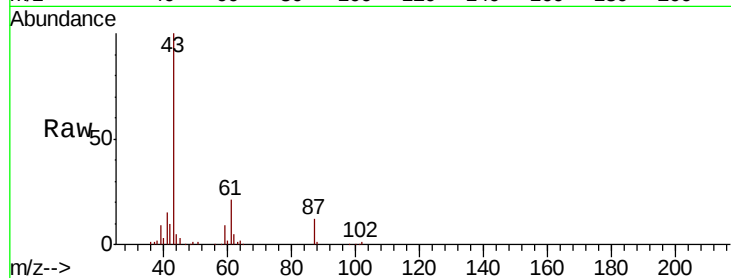
#43
Isopropyl Acetate
Concen: 21.616 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

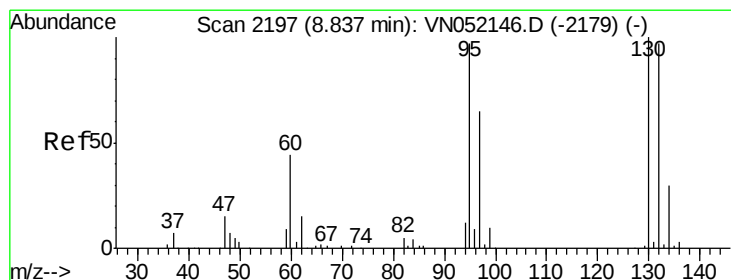
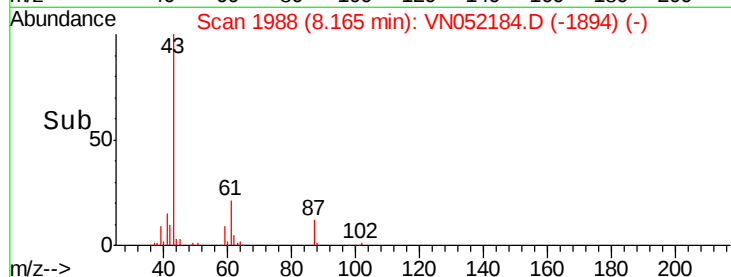
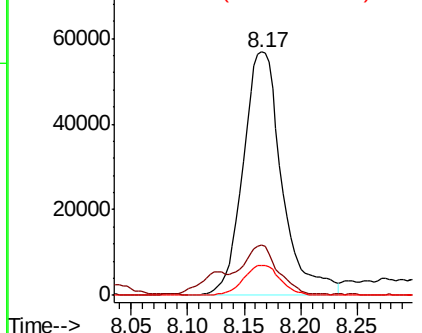
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	15.4	23.0
87	11.7	9.8	14.8

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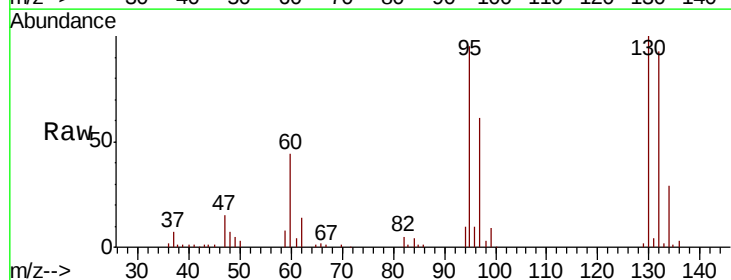


Abundance Ion 43.00 (42.70 to 43.70): VN052184.D (-1971) (-)
Ion 61.00 (60.70 to 61.70): VN052184.D (-1971) (-)
Ion 87.00 (86.70 to 87.70): VN052184.D (-1971) (-)

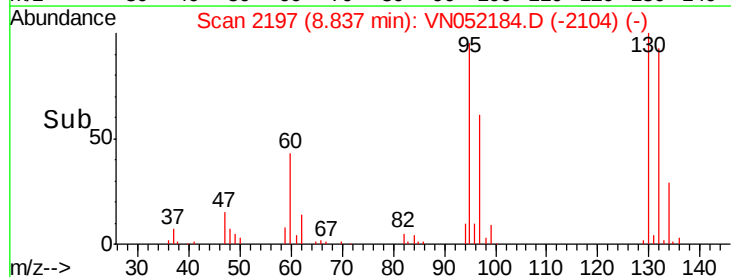
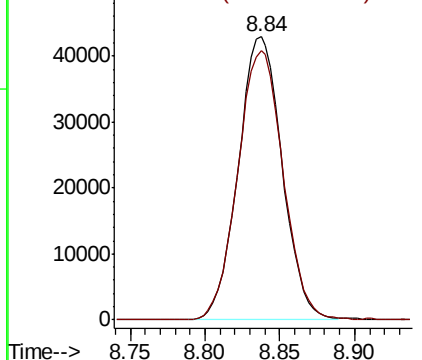


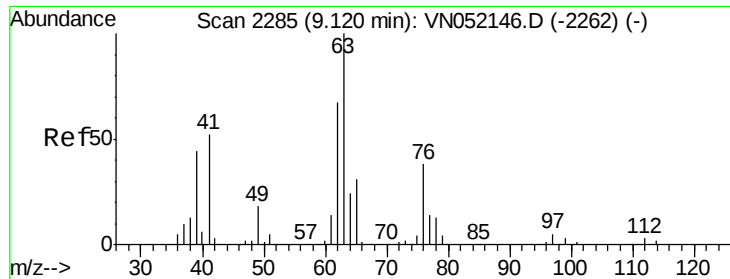
#44
Trichloroethene
Concen: 20.349 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052184.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN052184.D (-2179) (-)





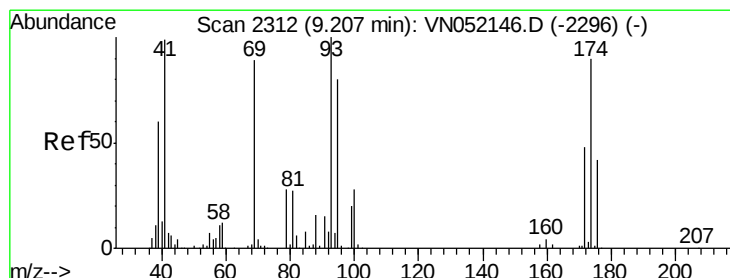
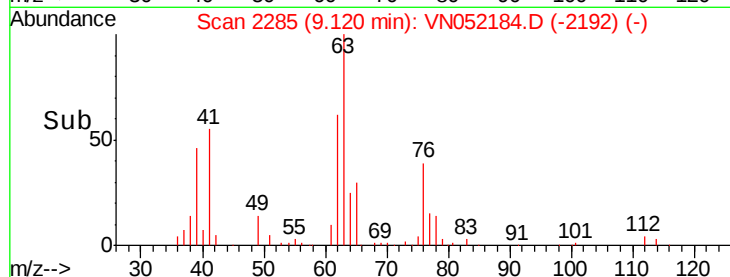
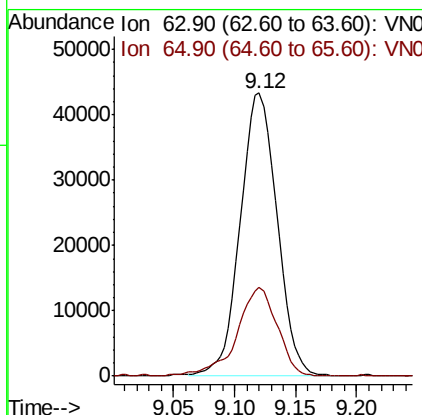
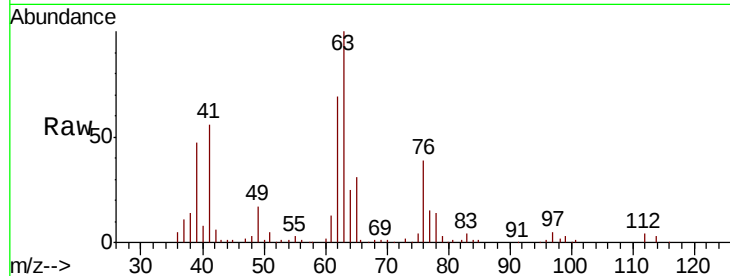
#45
 1,2-Dichloropropane
 Concen: 21.016 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tot Ion: 63 Resp: 90494
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.5 36.7

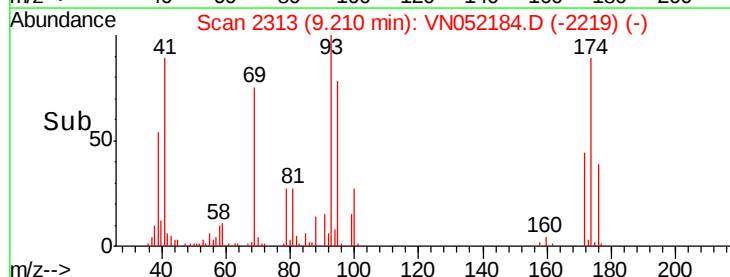
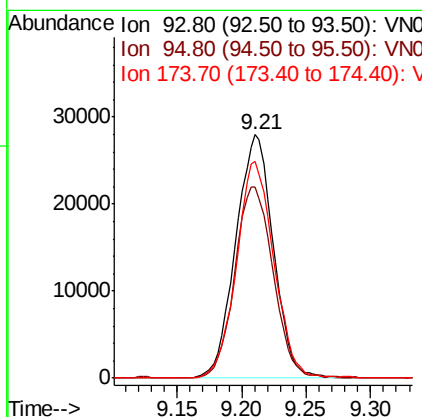
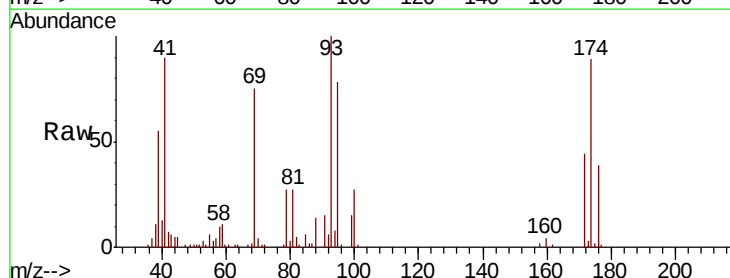
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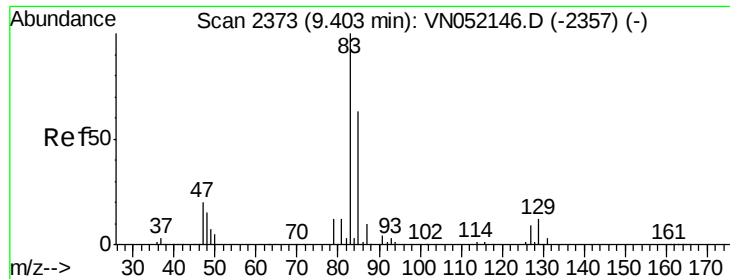
MMDadoda
 11/6/2018 5:58:44 PM



#46
 Dibromomethane
 Concen: 20.695 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion: 93 Resp: 56672
 Ion Ratio Lower Upper
 93 100
 95 80.3 67.2 100.8
 174 88.4 59.7 89.5





#47

Bromodichloromethane

Concen: 20.574 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 83 Resp: 109875

Ion Ratio Lower Upper

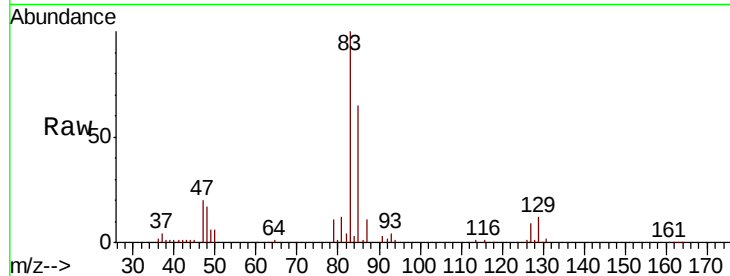
83 100

85 64.5 49.4 74.2

127 8.9 5.8 8.8#

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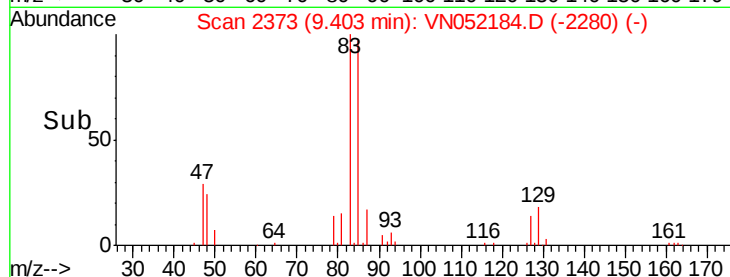


Abundance Ion 82.90 (82.60 to 83.60): VN052184.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN052184.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN052184.D (-2357) (-)

Time-->



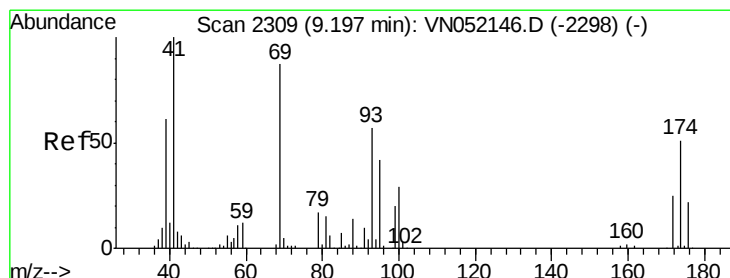
Abundance

Ion 82.90 (82.60 to 83.60): VN052184.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN052184.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN052184.D (-2357) (-)

Time-->



#48

Methyl methacrylate

Concen: 21.860 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

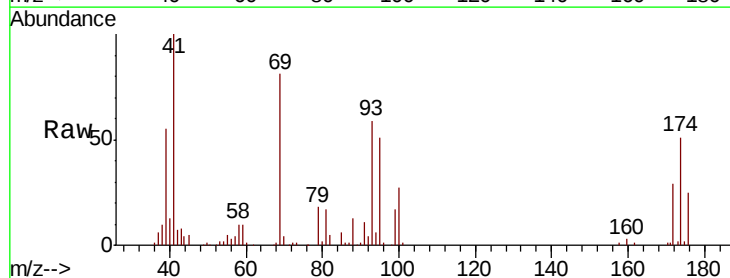
Tgt Ion: 41 Resp: 66396

Ion Ratio Lower Upper

41 100

69 84.1 67.1 100.7

39 61.2 50.5 75.7

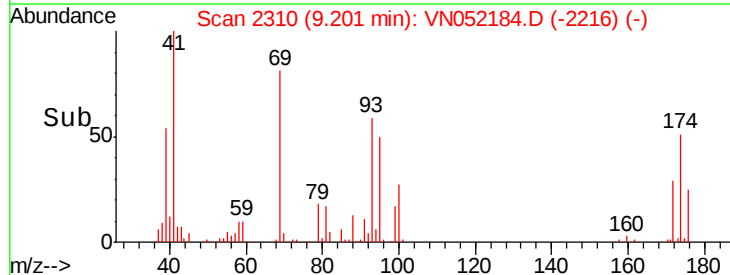


Abundance Ion 41.00 (40.70 to 41.70): VN052184.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052184.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052184.D (-2298) (-)

Time-->



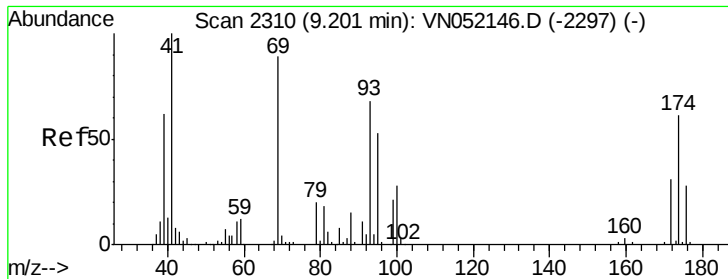
Abundance

Ion 41.00 (40.70 to 41.70): VN052184.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052184.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052184.D (-2298) (-)

Time-->



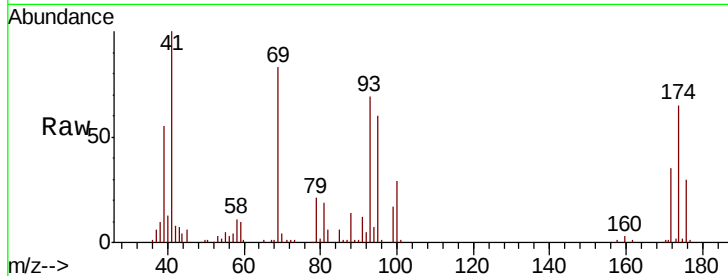
#49
1,4-Dioxane
Concen: 374.218 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

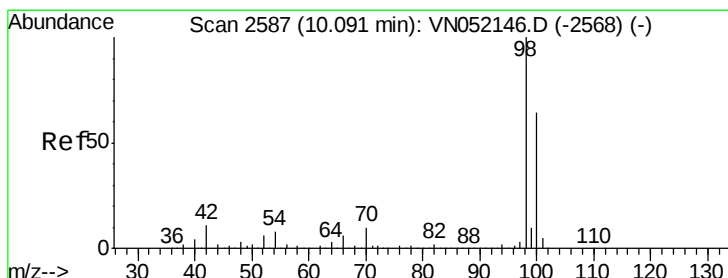
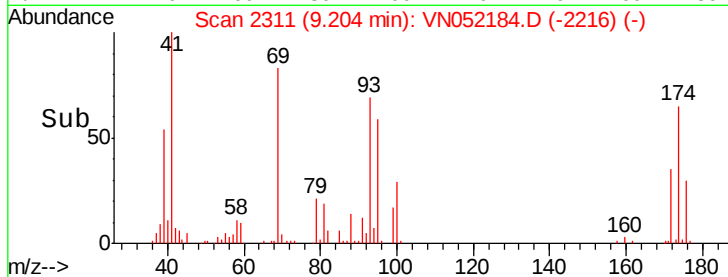
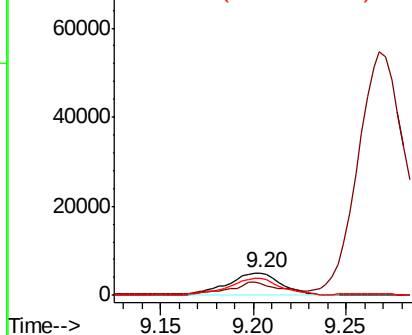
Tot Ion	88	Resp	9934
Ion	Ratio	Lower	Upper
88	100		
43	47.7	34.1	51.1
58	75.4	62.8	94.2

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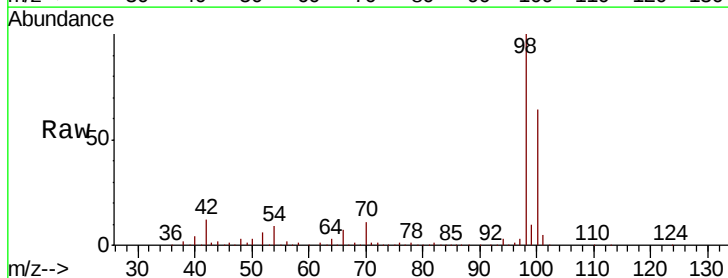


Abundance Ion 88.00 (87.70 to 88.70): VN052184.D (-2297) (-)
Ion 43.00 (42.70 to 43.70): VN052184.D (-2297) (-)
Ion 58.00 (57.70 to 58.70): VN052184.D (-2297) (-)

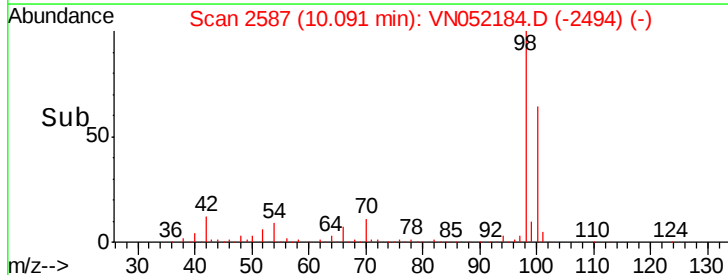
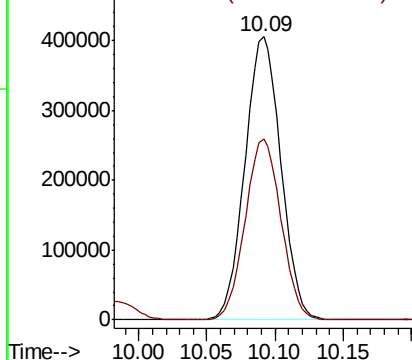


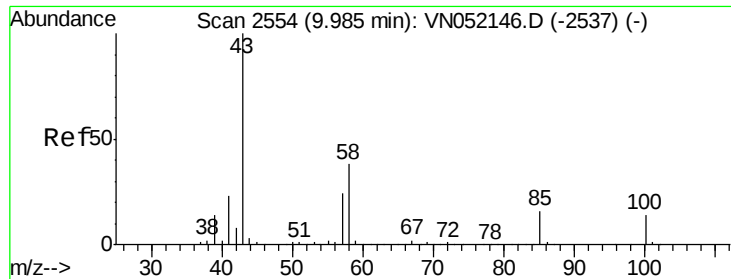
#50
Toluene-d8
Concen: 374.218 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	98	Resp	742741
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052184.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN052184.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 106.688 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 43 Resp: 355693

Ion Ratio Lower Upper

43 100

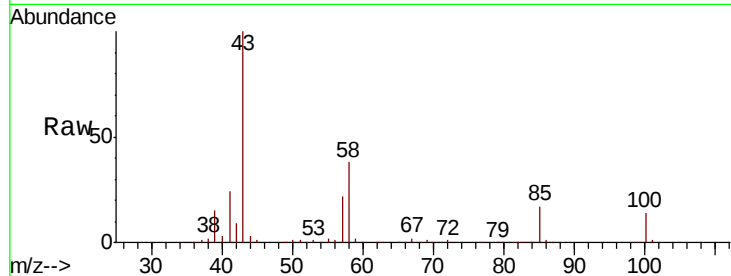
58 37.3 29.7 44.5

Manual Integrations

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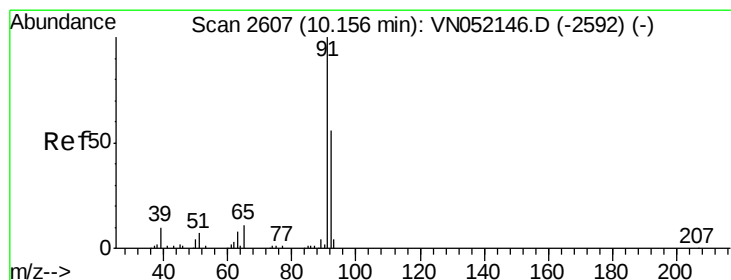
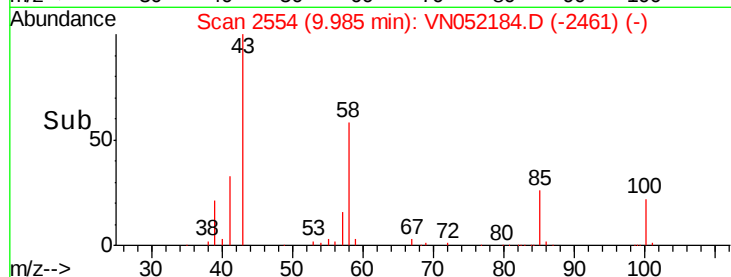
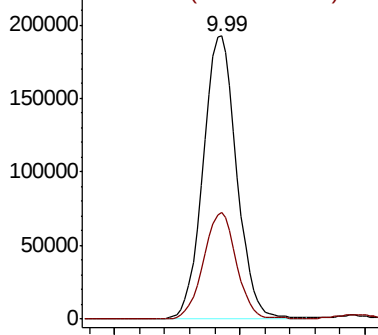
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.722 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052184.D

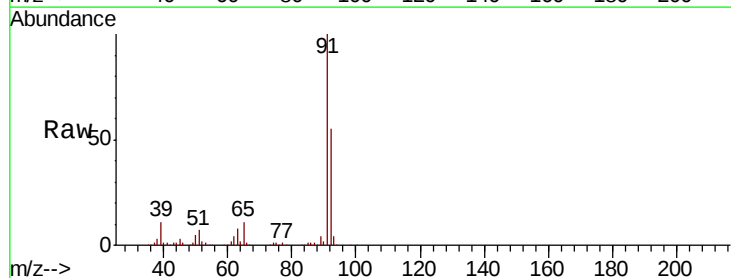
Acq: 6 Nov 2018 11:41

Tgt Ion: 92 Resp: 203167

Ion Ratio Lower Upper

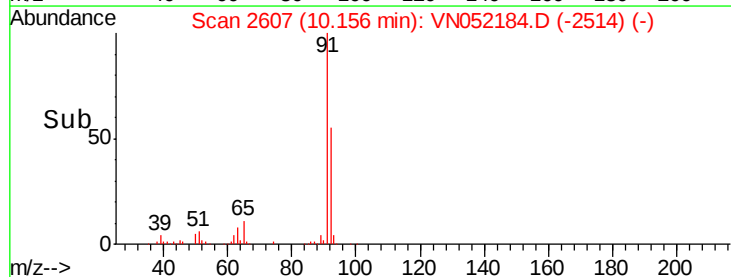
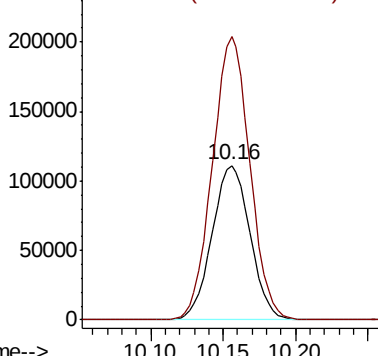
92 100

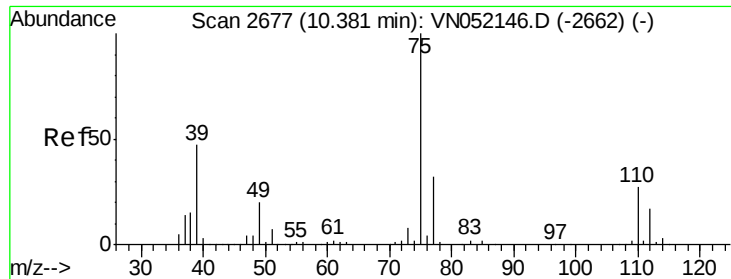
91 180.2 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





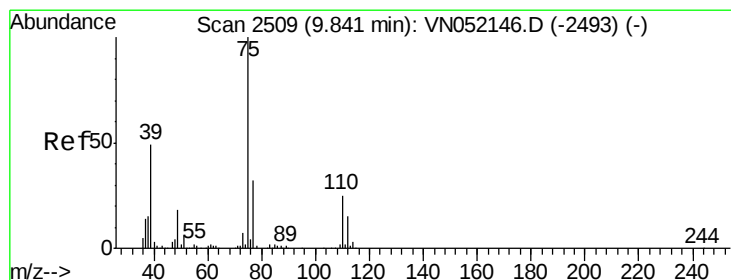
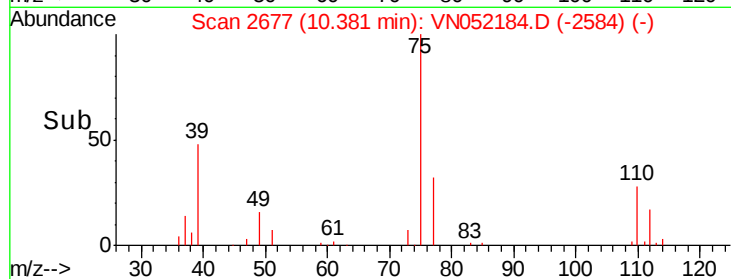
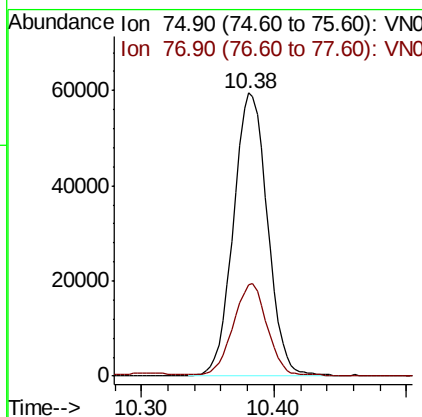
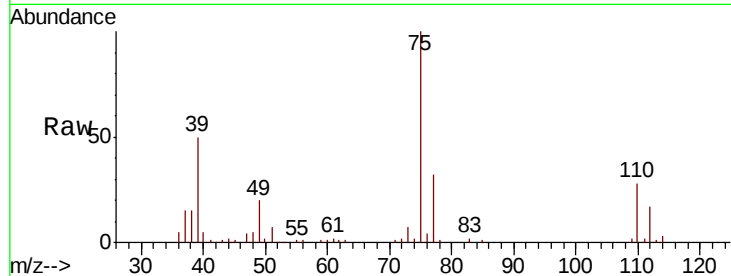
#53
t-1,3-Dichloropropene
Concen: 20.274 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion: 75 Resp: 106219
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4

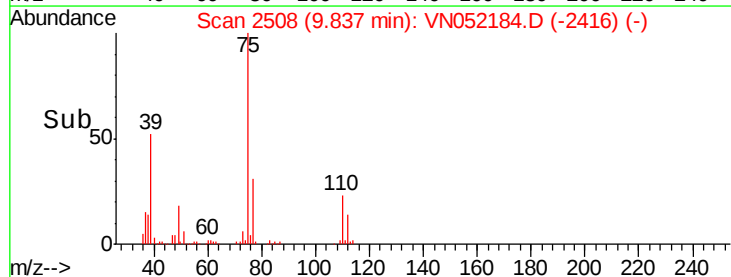
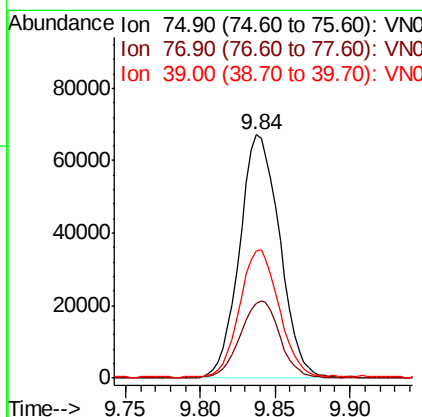
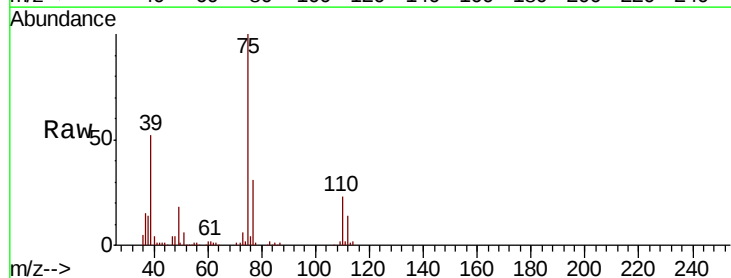
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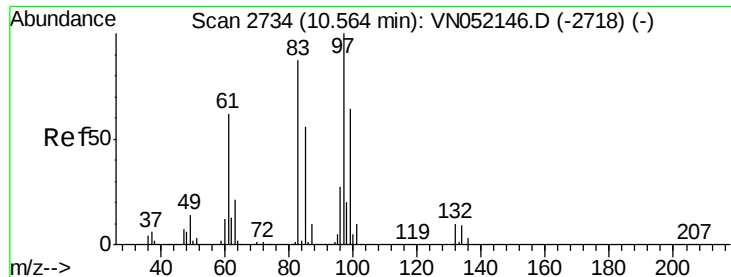
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#54
cis-1,3-Dichloropropene
Concen: 20.509 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 75 Resp: 125733
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4
39 51.5 42.3 63.5





#55

1,1,2-Trichloroethane

Concen: 21.541 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

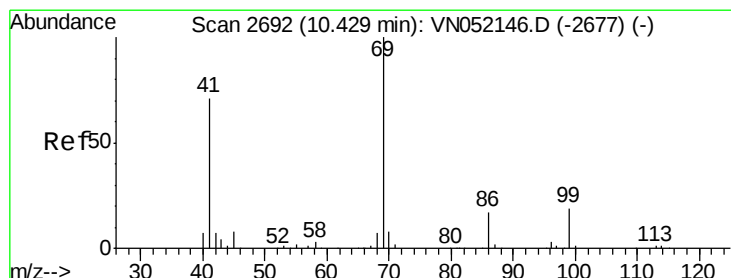
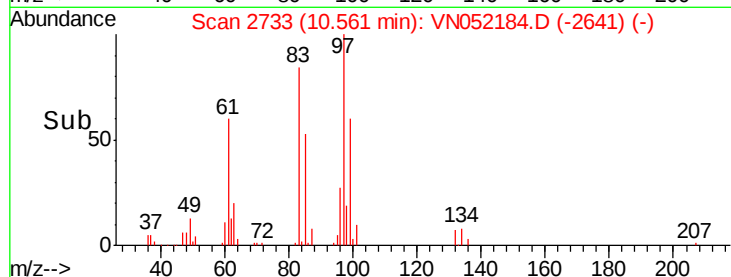
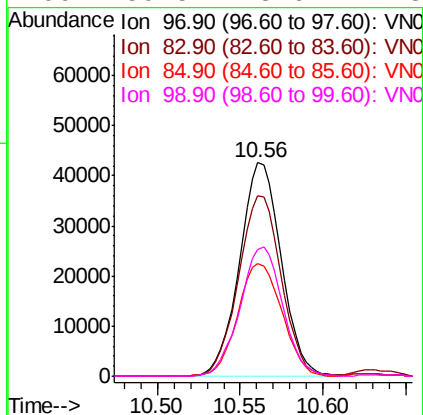
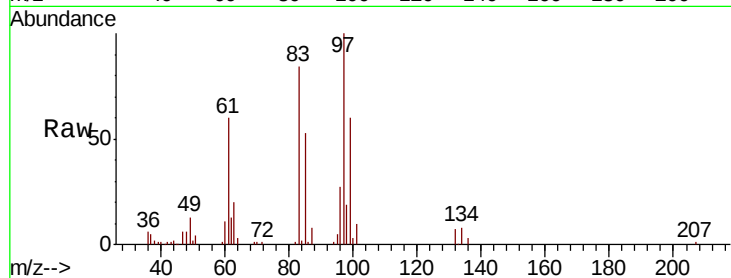
ClientSampleId :

VN1106WBSD02

Tot Ion:	97	Resp:	74463
Ion	Ratio	Lower	Upper
97	100		
83	84.2	73.8	110.8
85	53.0	48.4	72.6
99	59.5	48.6	72.8

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#56

Ethyl methacrylate

Concen: 20.990 ug/l

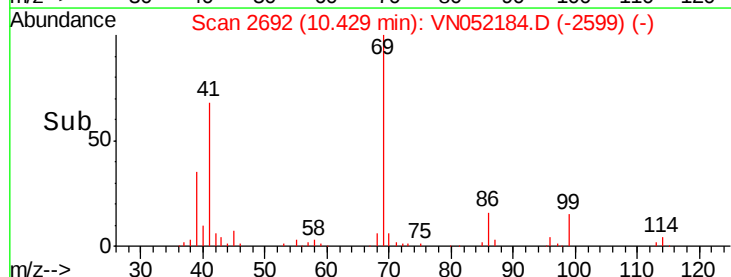
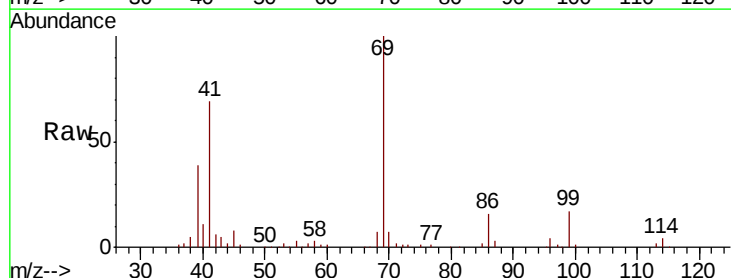
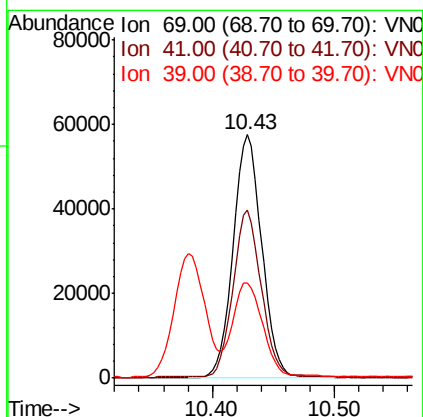
RT: 10.43 min Scan# 2692

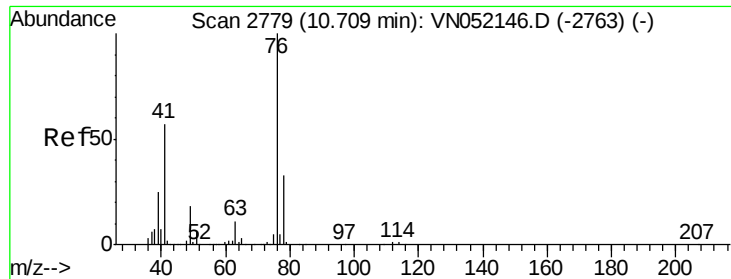
Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Tgt Ion:	69	Resp:	94577
Ion	Ratio	Lower	Upper
69	100		
41	66.5	55.5	83.3
39	39.5	33.0	49.4





#57

1,3-Dichloropropane

Concen: 20.935 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 76 Resp: 127487

Ion Ratio Lower Upper

76 100

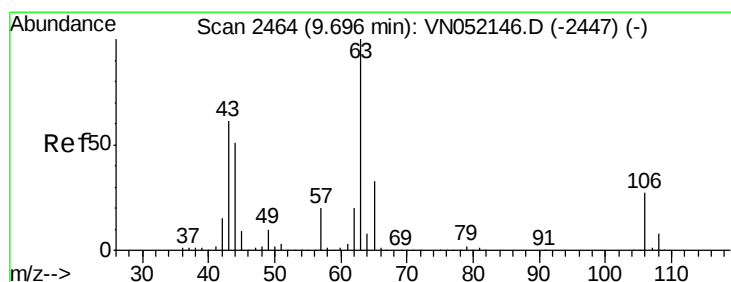
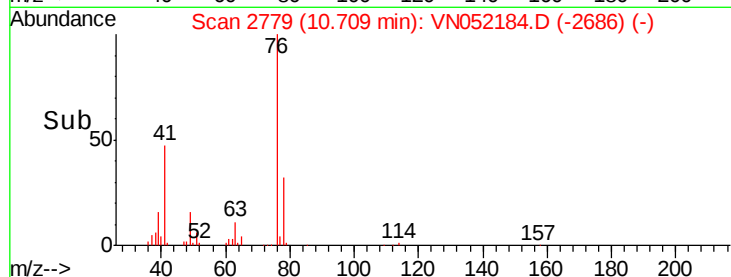
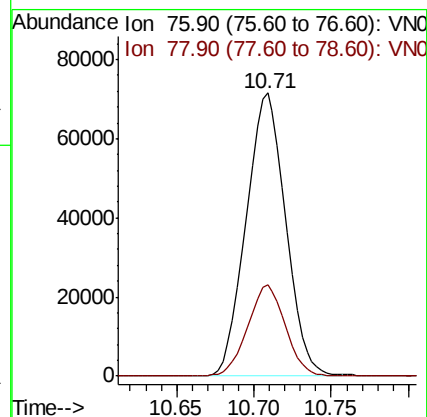
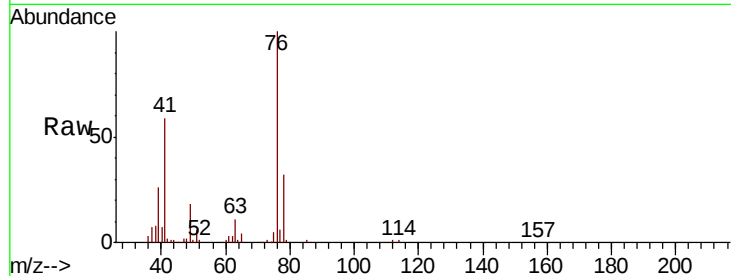
78 30.8 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 105.351 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052184.D

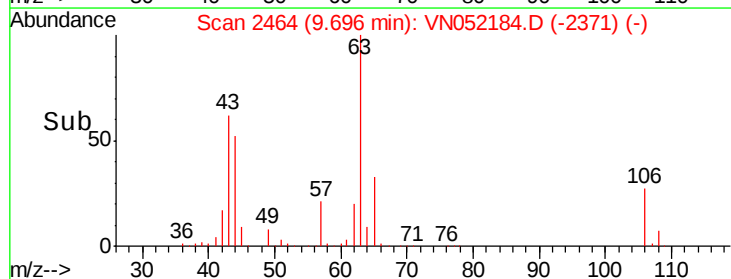
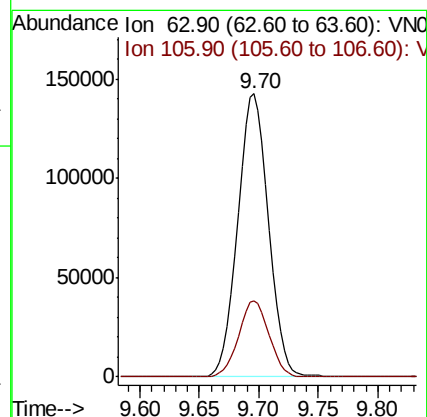
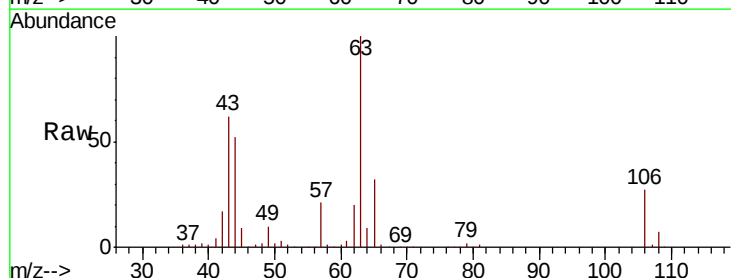
Acq: 6 Nov 2018 11:41

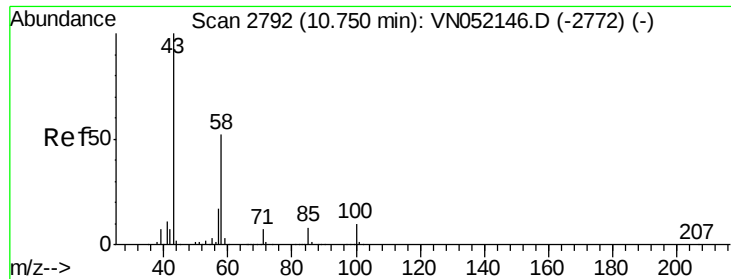
Tgt Ion: 63 Resp: 255463

Ion Ratio Lower Upper

63 100

106 26.6 19.4 29.2





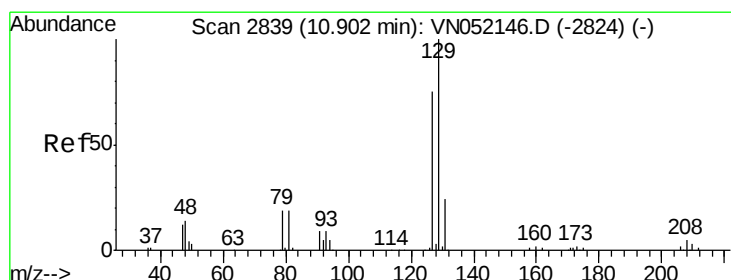
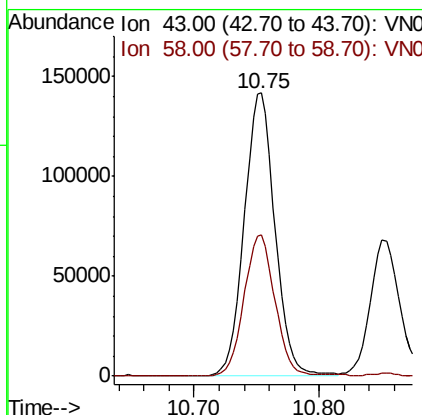
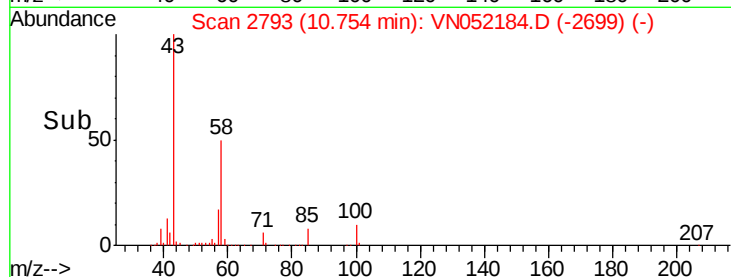
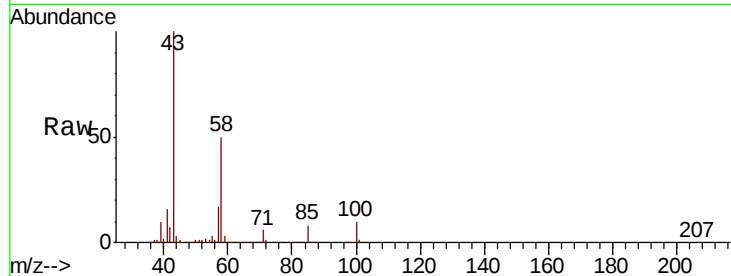
#59
2-Hexanone
Concen: 103.895 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion: 43 Resp: 241125
Ion Ratio Lower Upper
43 100
58 50.5 25.2 75.6

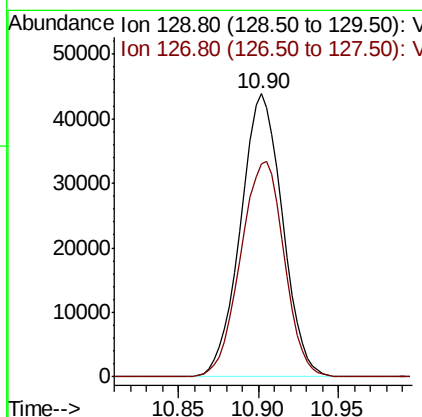
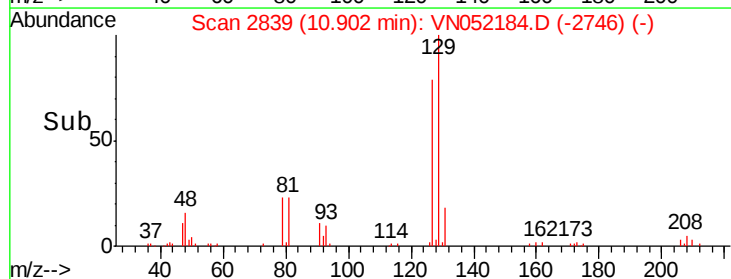
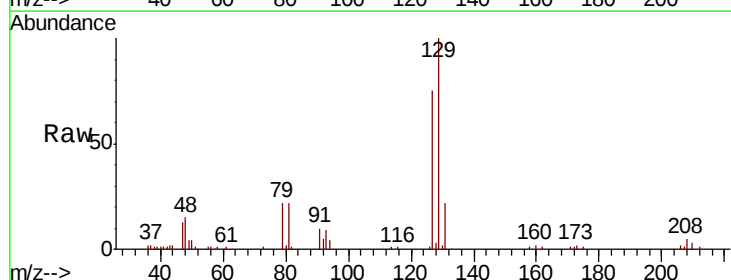
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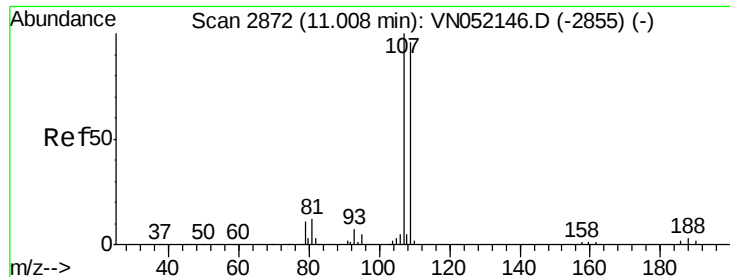
MMDadoda
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#60
Dibromochloromethane
Concen: 19.971 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 129 Resp: 78507
Ion Ratio Lower Upper
129 100
127 79.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.934 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 107 Resp: 76965

Ion Ratio Lower Upper

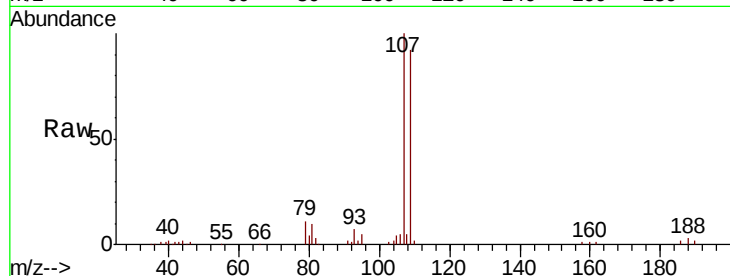
107 100

109 90.5 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

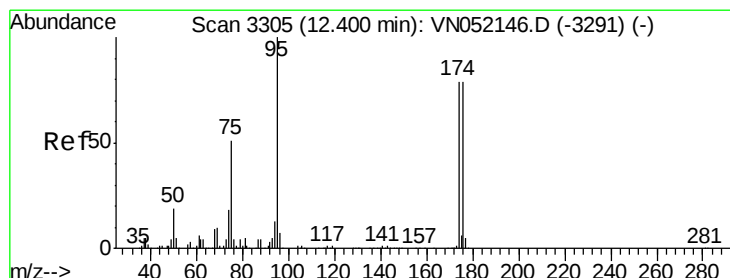
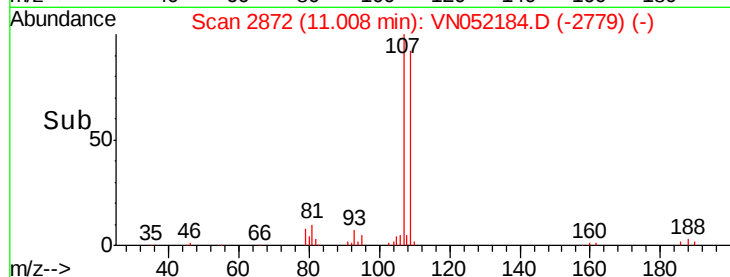
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 21.934 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

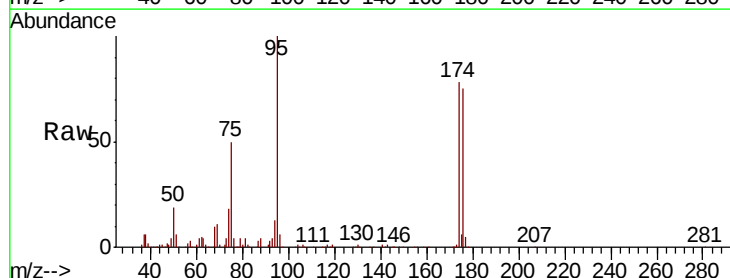
Tgt Ion: 95 Resp: 241787

Ion Ratio Lower Upper

95 100

174 81.0 0.0 131.8

176 76.8 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

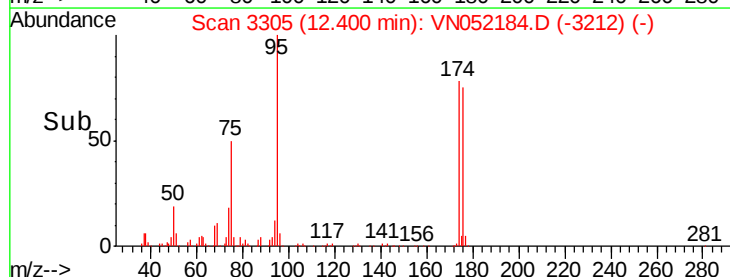
150000

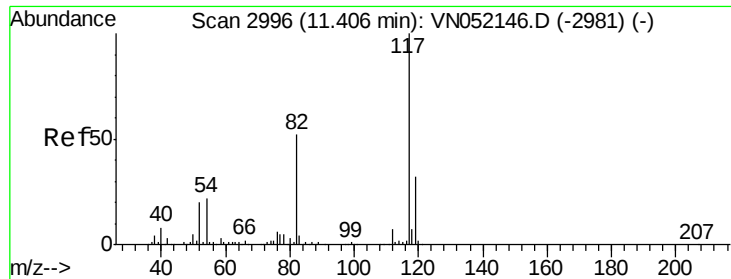
100000

50000

0

Time--> 12.35 12.40 12.45





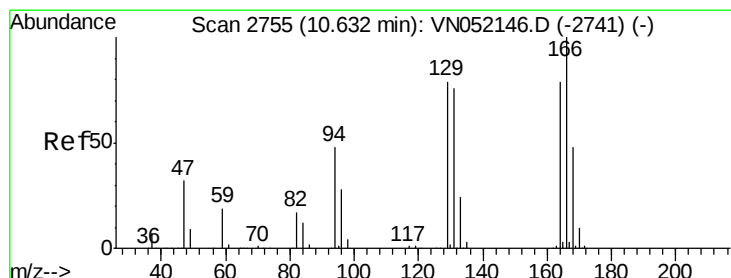
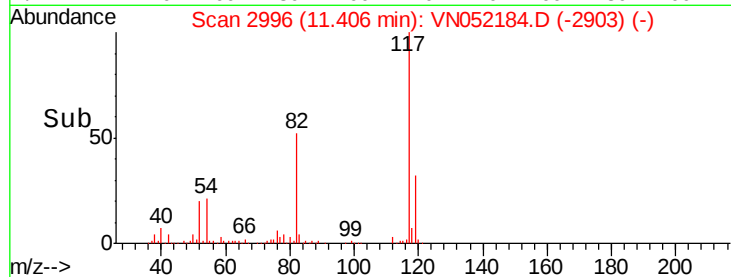
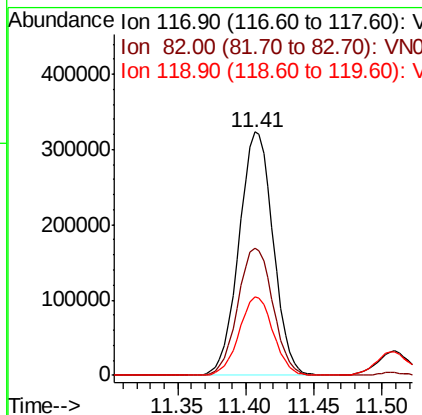
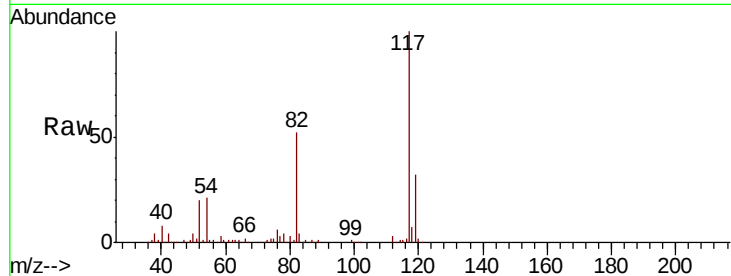
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	49.9	74.9
119	32.1	25.7	38.5

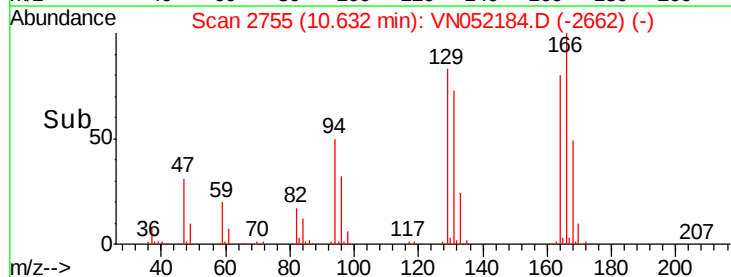
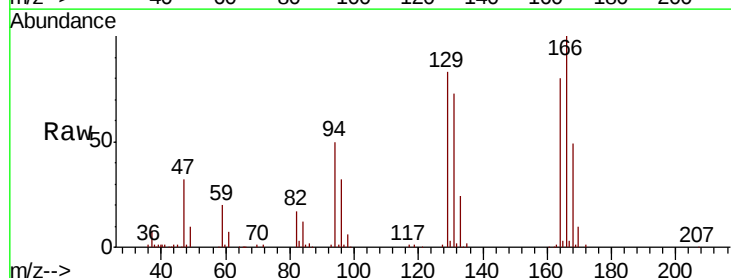
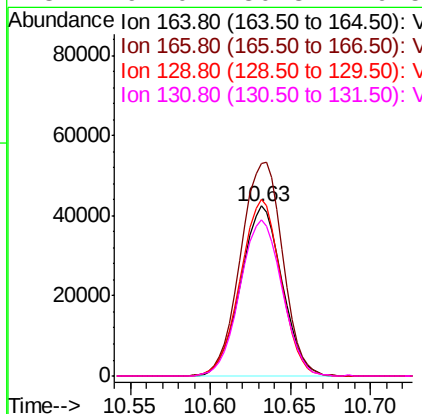
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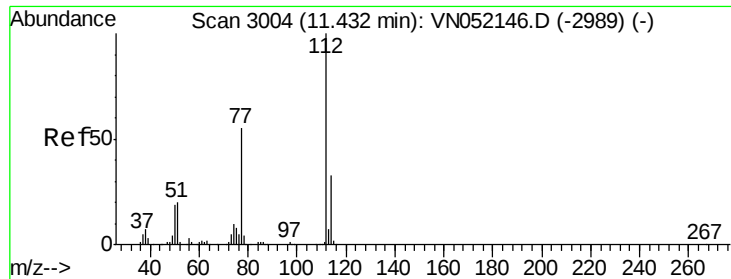
MMDadoda
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#64
Tetrachloroethene
Concen: 20.580 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	105.4	158.0
129	104.2	86.1	129.1
131	92.0	80.3	120.5





#65

Chlorobenzene

Concen: 19.995 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion:112 Resp: 229139

Ion Ratio Lower Upper

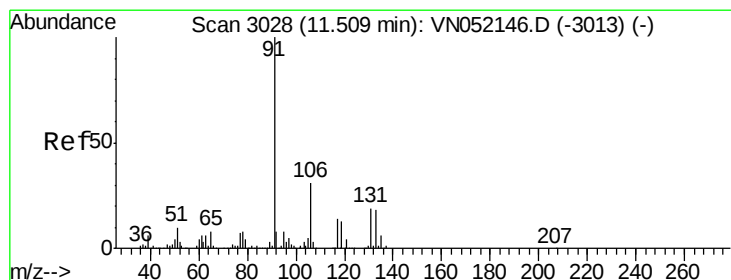
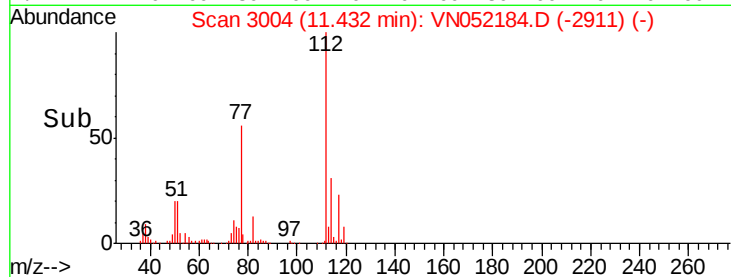
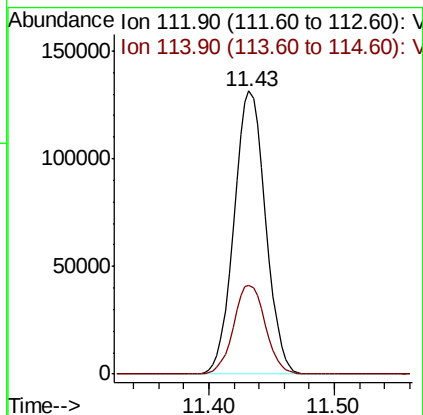
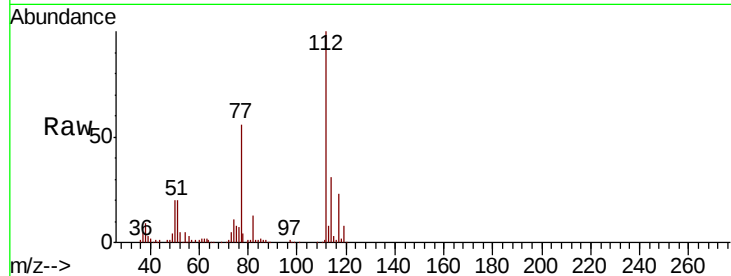
112 100

114 31.4 25.1 37.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.079 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

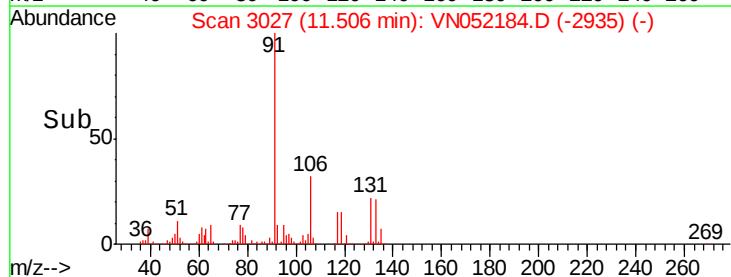
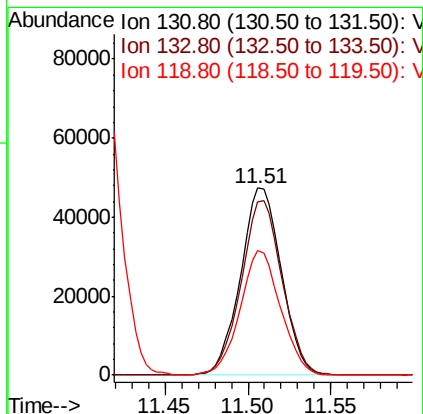
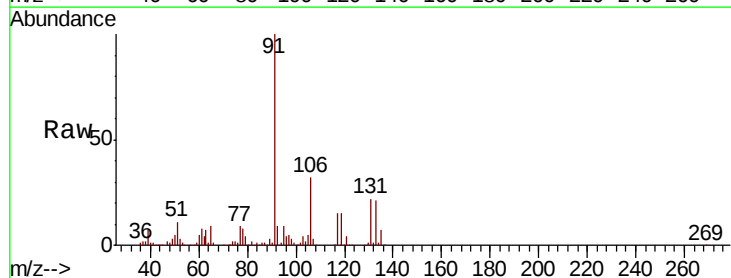
Tgt Ion:131 Resp: 81123

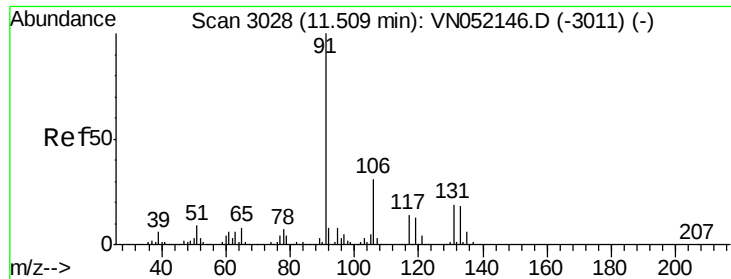
Ion Ratio Lower Upper

131 100

133 93.4 47.6 142.9

119 65.7 34.4 103.2





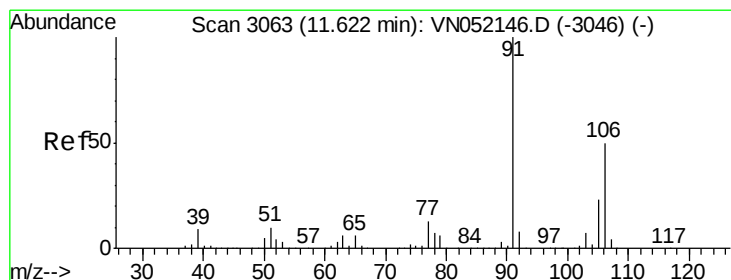
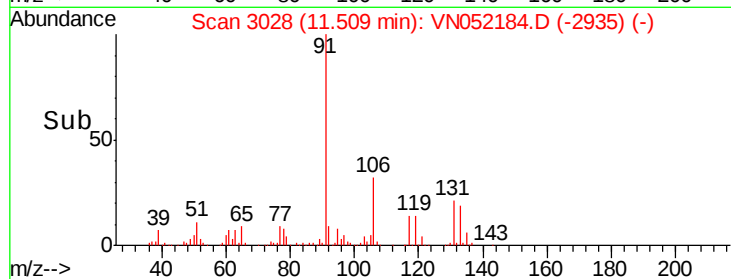
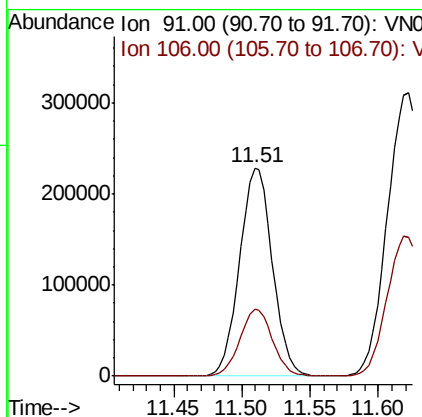
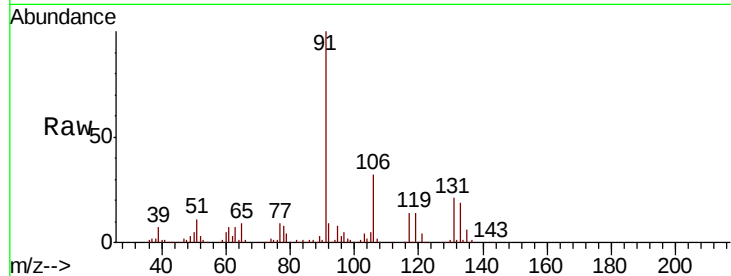
#67
Ethyl Benzene
Concen: 20.006 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :
VN1106WBSD02

Tot Ion: 91 Resp: 380799
Ion Ratio Lower Upper
91 100
106 32.4 24.1 36.1

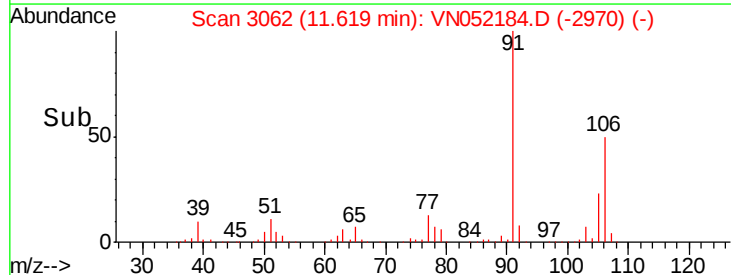
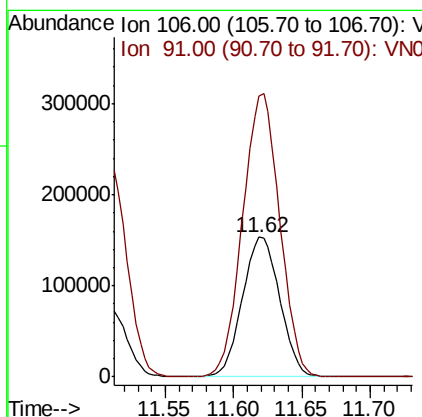
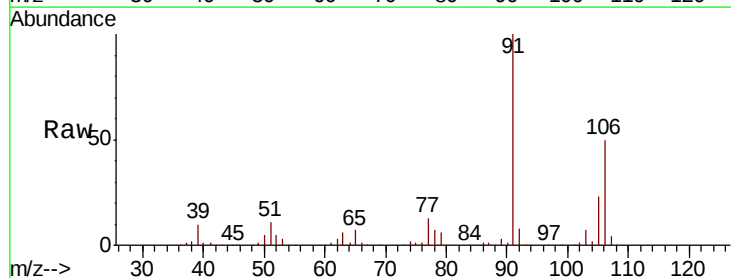
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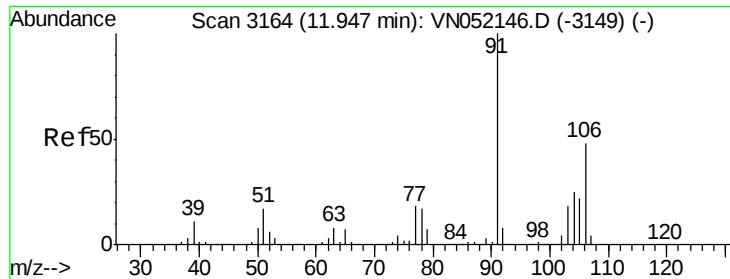
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#68
m/p-Xylenes
Concen: 39.835 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 106 Resp: 292570
Ion Ratio Lower Upper
106 100
91 200.6 168.7 253.1





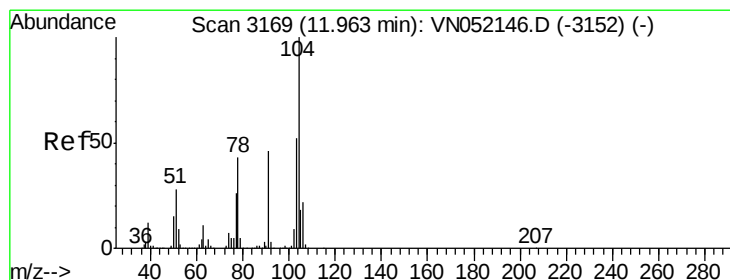
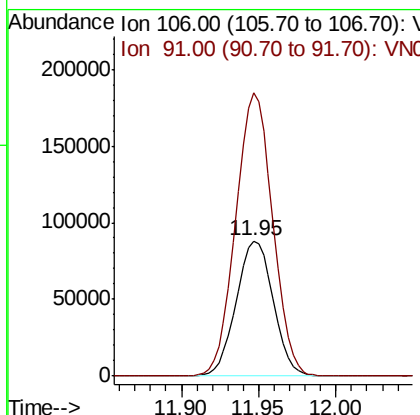
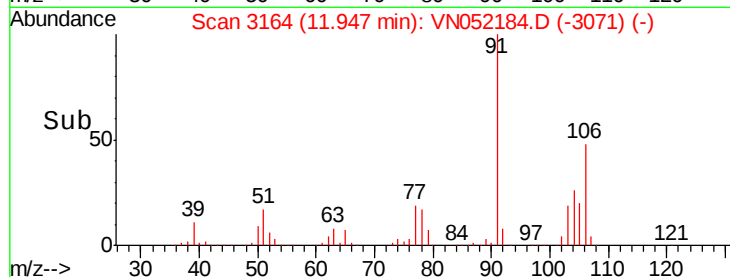
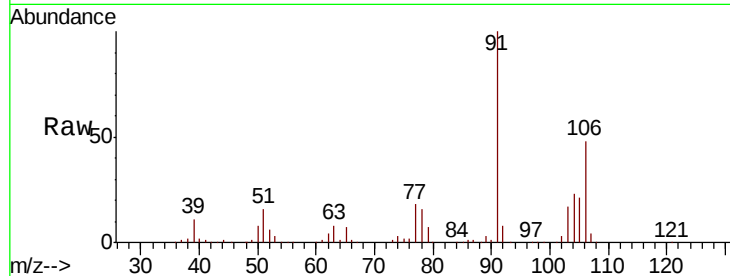
#69
o-Xylene
Concen: 20.649 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion:106 Resp: 147075
Ion Ratio Lower Upper
106 100
91 208.2 109.6 328.6

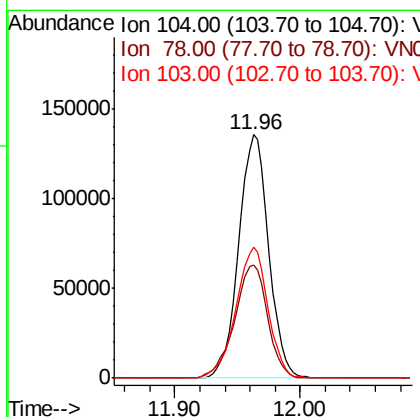
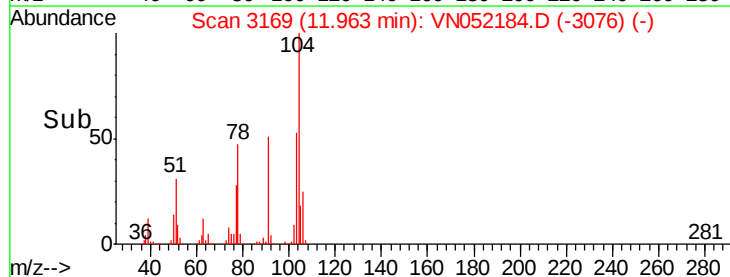
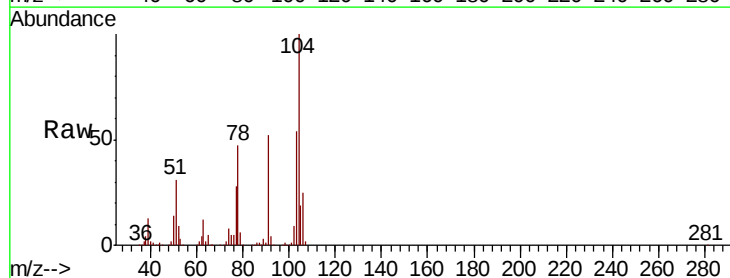
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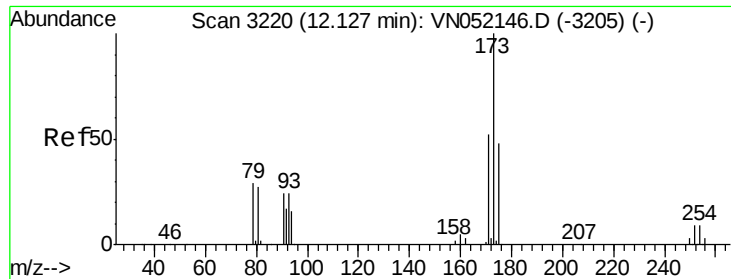
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#70
Styrene
Concen: 19.947 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion:104 Resp: 224913
Ion Ratio Lower Upper
104 100
78 51.3 43.0 64.6
103 57.4 45.1 67.7





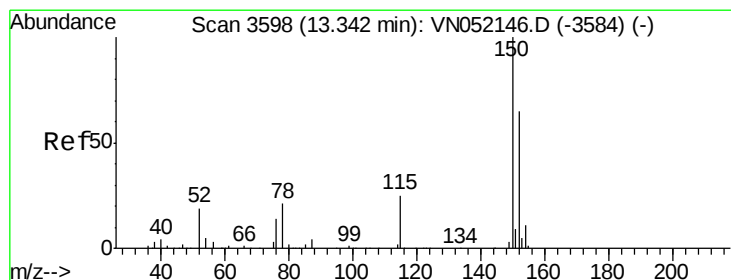
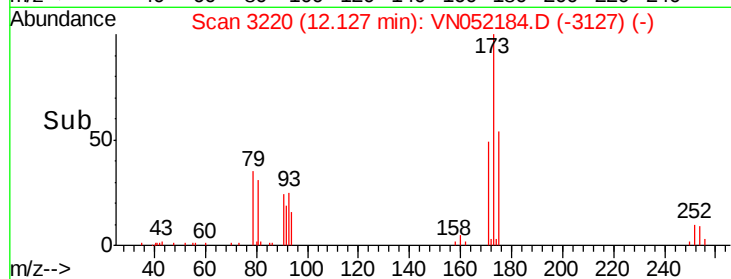
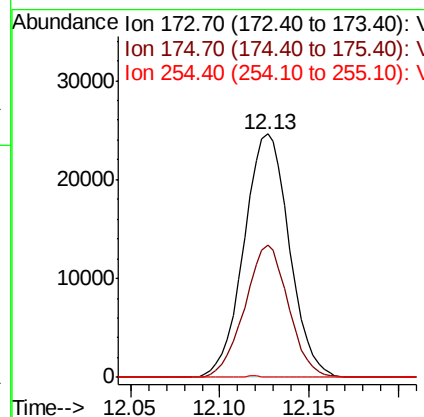
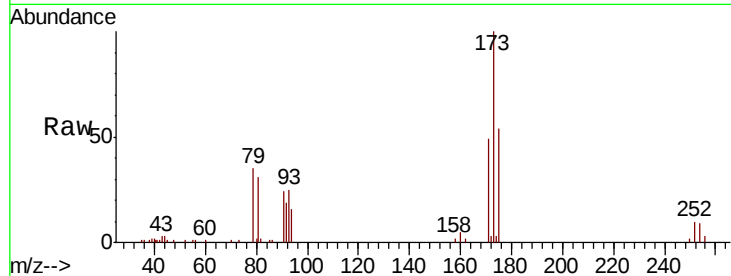
#71
Bromoform
Concen: 18.863 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.2	23.9	71.7
254	0.1	0.0	0.0

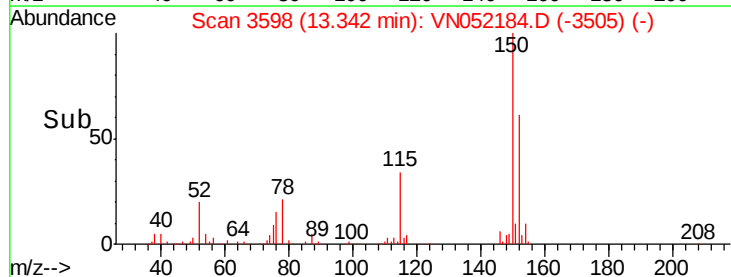
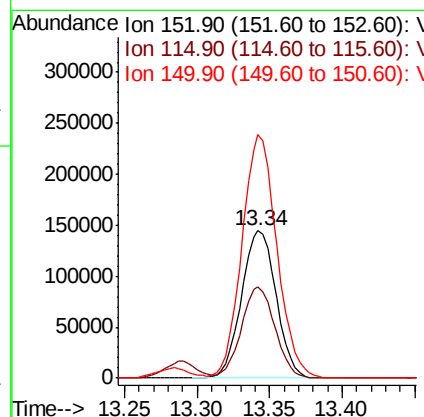
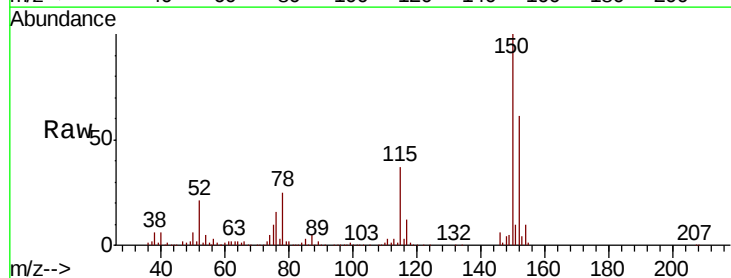
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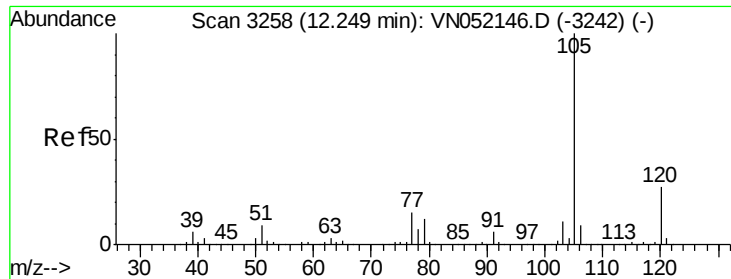
MMDadoda
11/6/2018 5:58:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	31.6	95.0
150	166.5	0.0	345.0





#73

Isopropylbenzene

Concen: 20.992 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion: 105 Resp: 380798

Ion Ratio Lower Upper

105 100

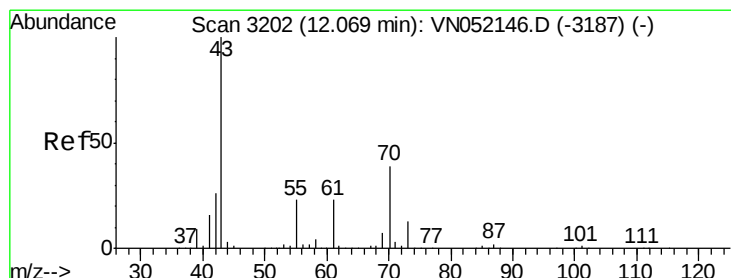
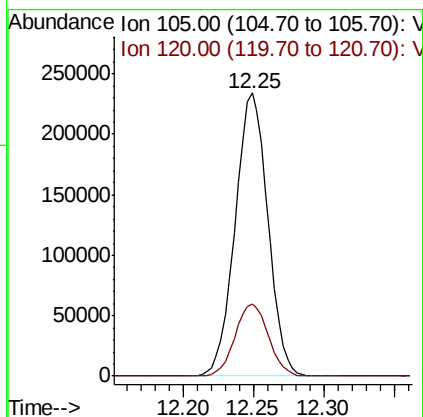
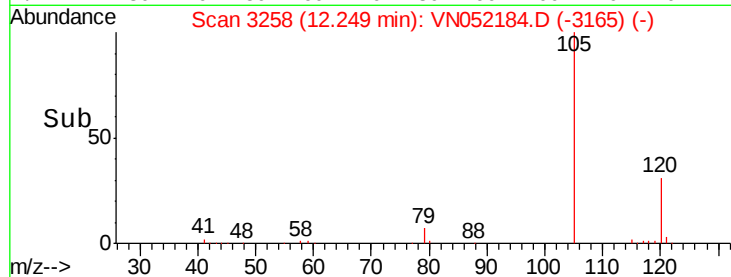
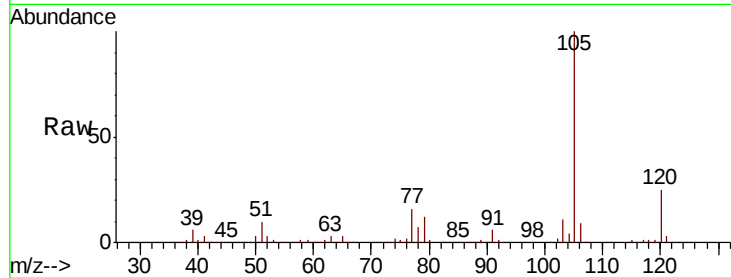
120 25.9 12.8 38.4

Manual Integrations

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11/6/2018 5:58:44 PM



#74

N-ethyl acetate

Concen: 20.984 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Tgt Ion: 43 Resp: 115018

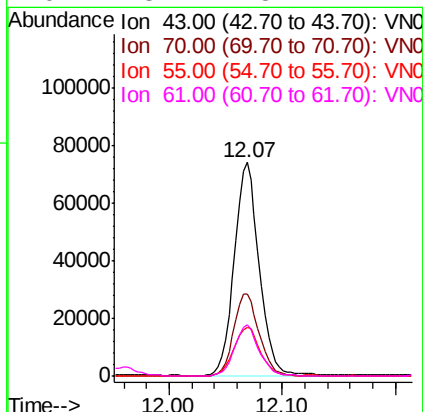
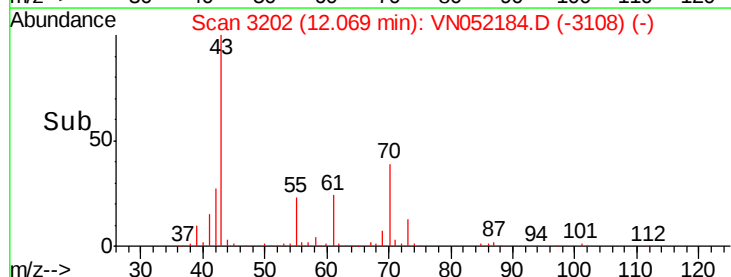
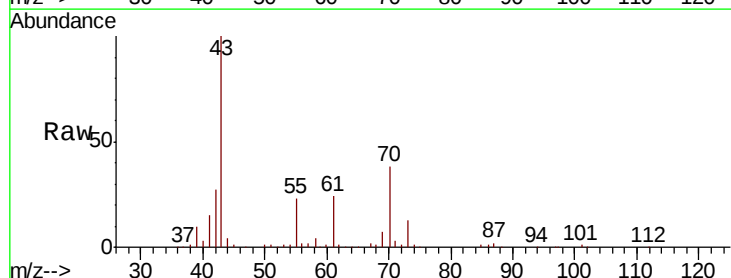
Ion Ratio Lower Upper

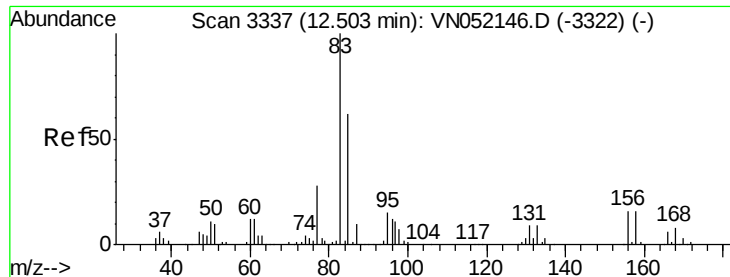
43 100

70 38.9 31.9 47.9

55 23.9 18.4 27.6

61 23.4 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.886 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

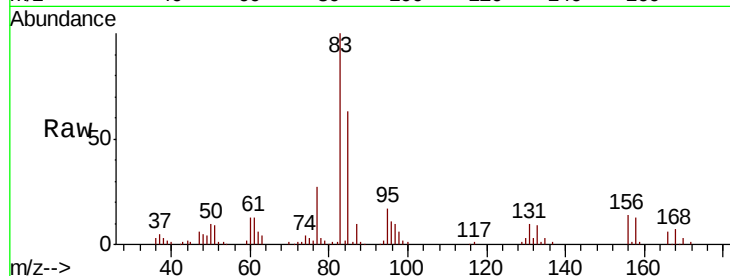
ClientSampleId :

VN1106WBSD02

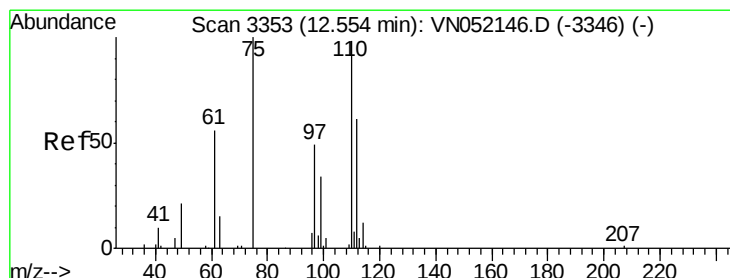
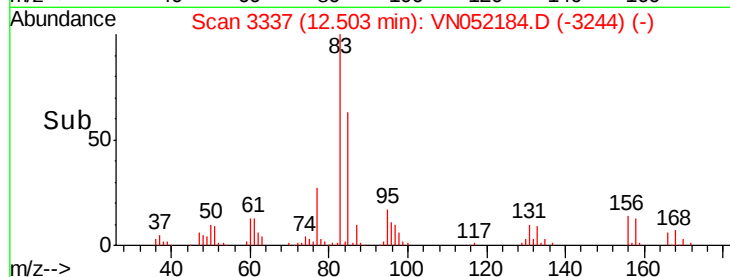
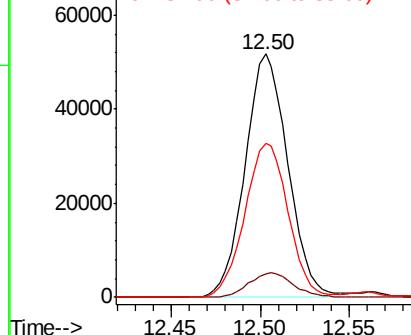
Tot Ion:	83	Resp:	86905
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.5	13.4
85	64.2	31.3	93.9

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



#76

1,2,3-Trichloropropane

Concen: 23.813 ug/l m

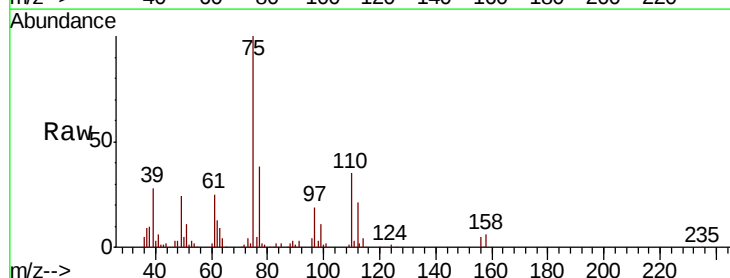
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

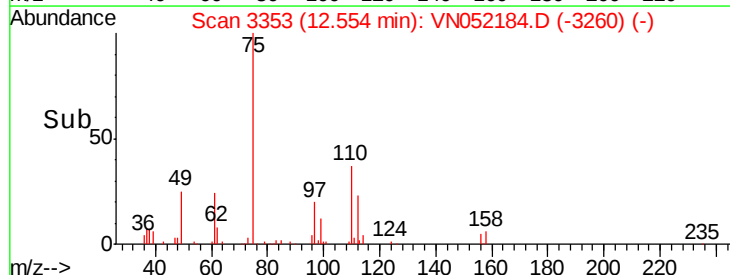
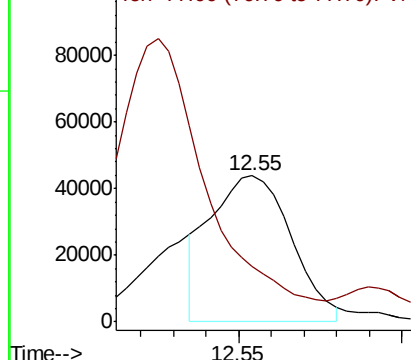
Lab File: VN052184.D

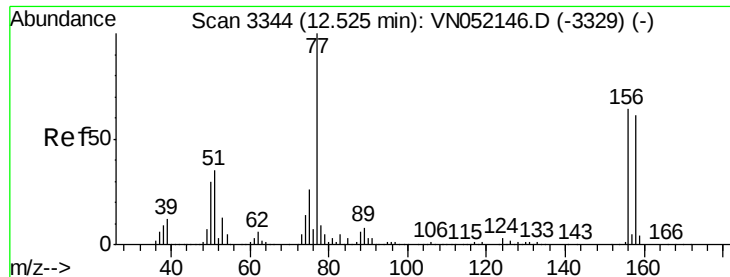
Acq: 6 Nov 2018 11:41

Tgt Ion:	75	Resp:	75515
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 20.758 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBSD02

Tot Ion:156 Resp: 89793

Ion Ratio Lower Upper

156 100

77 190.0 119.6 358.6

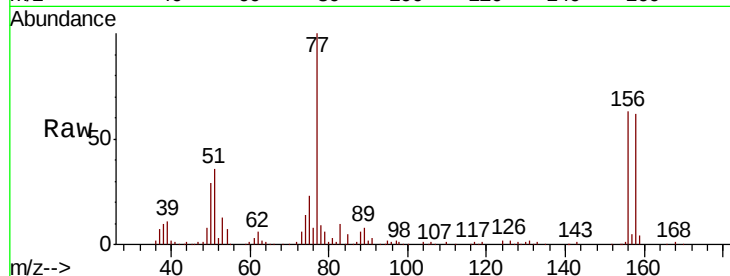
158 97.1 47.8 143.4

Manual Integrations

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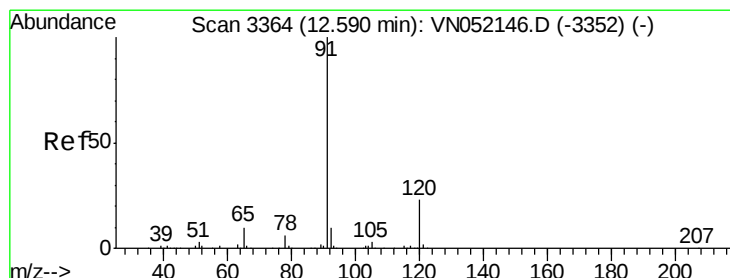
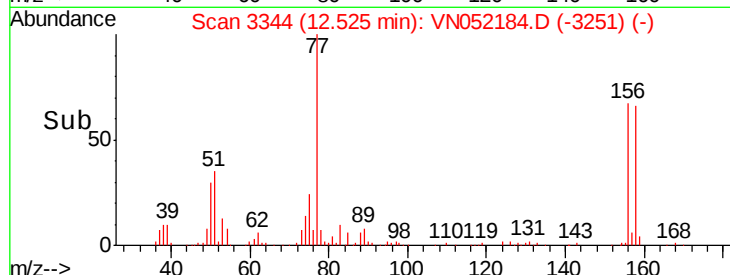
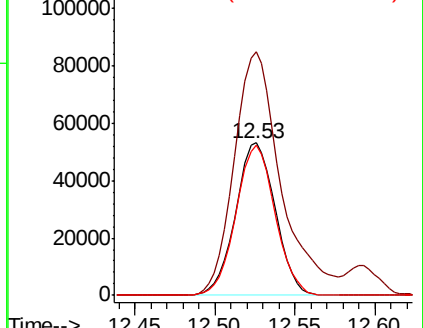
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.360 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052184.D

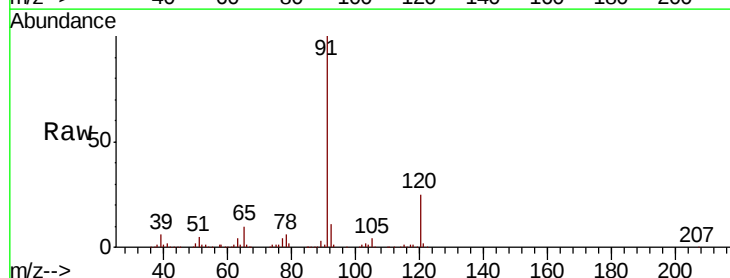
Acq: 6 Nov 2018 11:41

Tgt Ion: 91 Resp: 422091

Ion Ratio Lower Upper

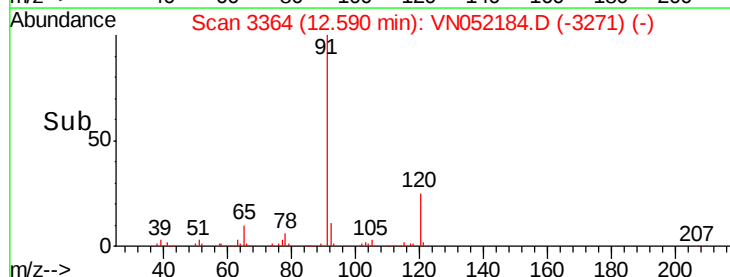
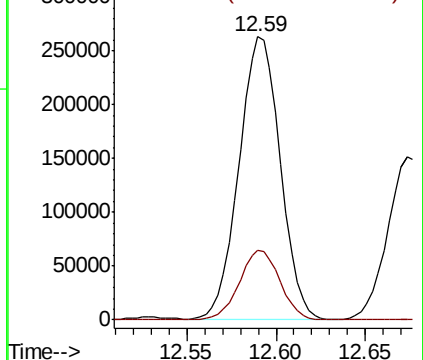
91 100

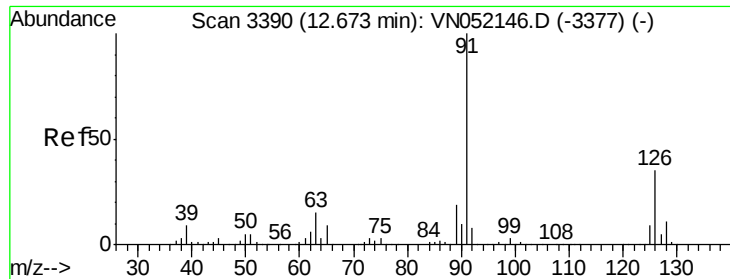
120 24.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





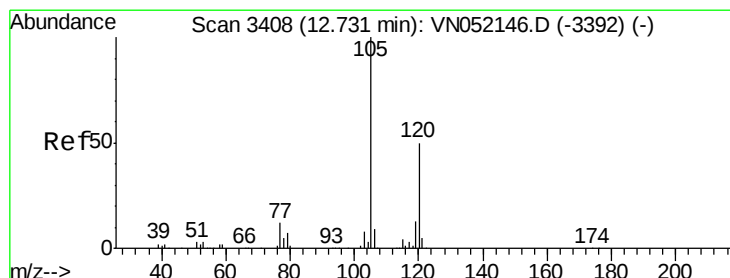
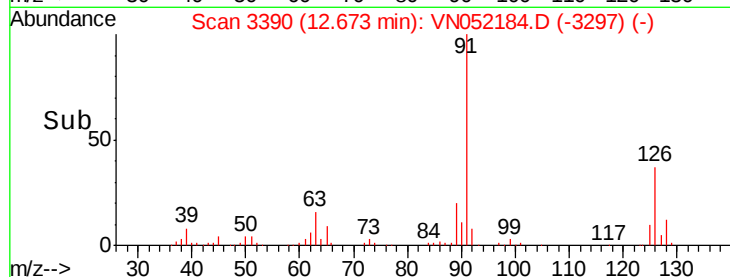
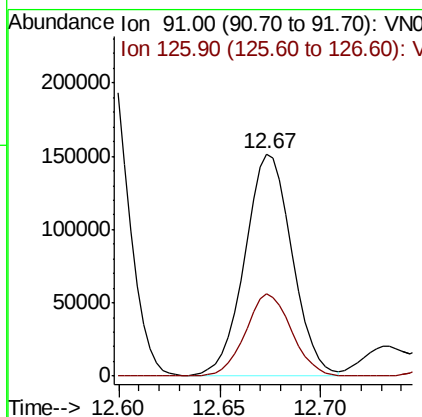
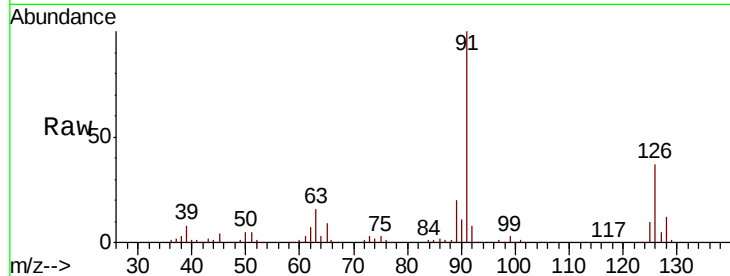
#79
2-Chlorotoluene
Concen: 20.364 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion: 91 Resp: 247564
Ion Ratio Lower Upper
91 100
126 36.3 15.9 47.6

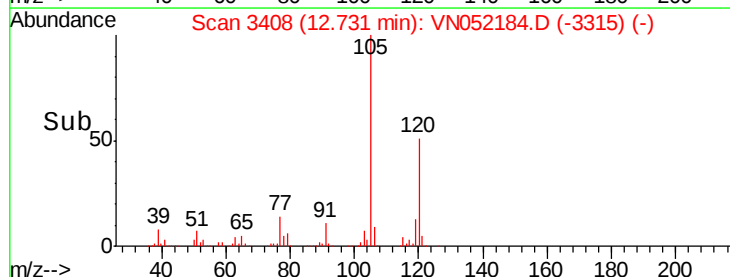
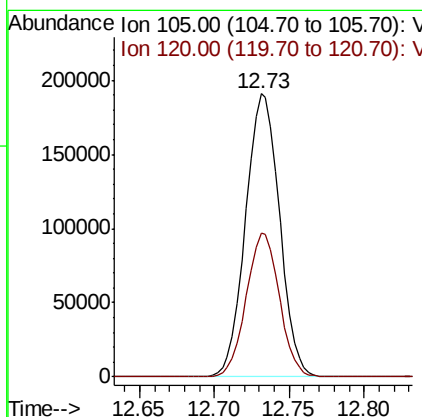
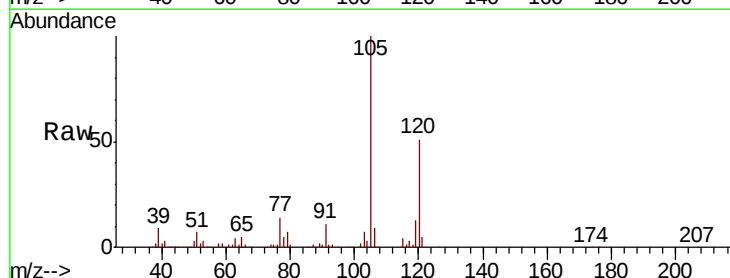
Manual Integrations
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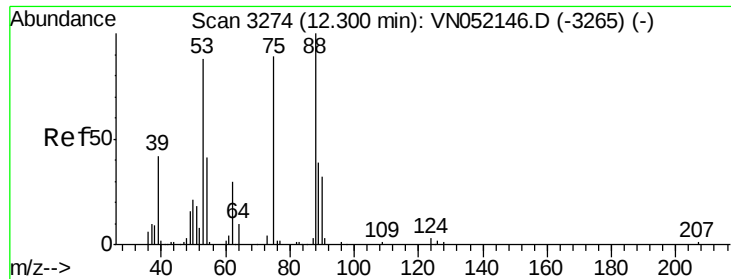
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.557 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion: 105 Resp: 301846
Ion Ratio Lower Upper
105 100
120 49.4 23.4 70.0





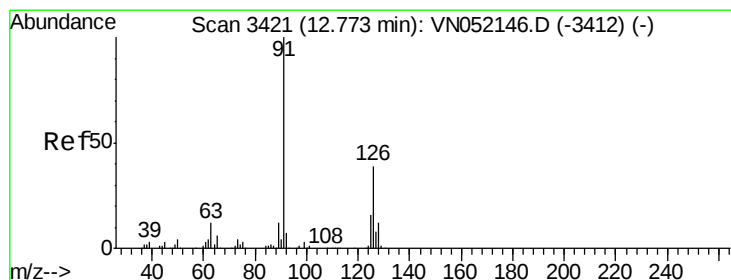
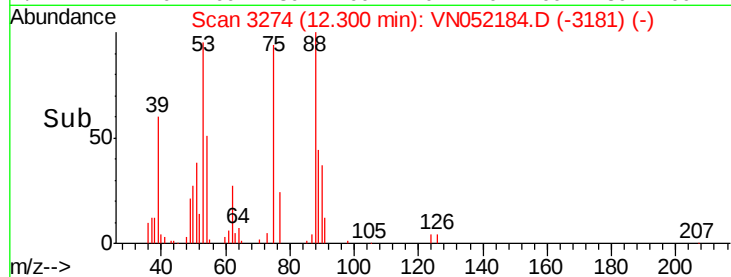
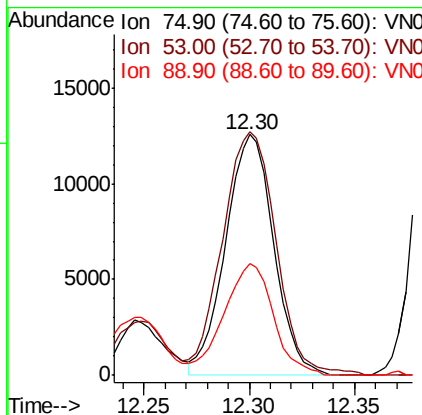
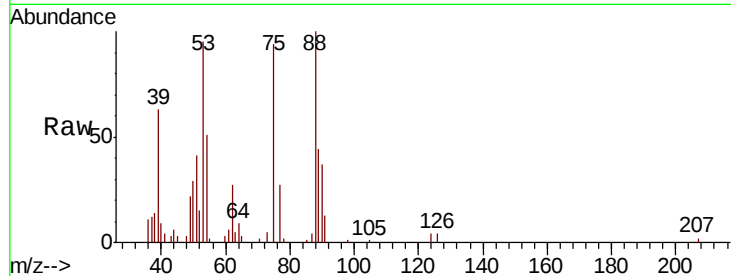
#81
trans-1,4-Dichloro-2-butene
Concen: 18.877 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.1	81.8	122.6
89	47.6	36.6	54.8

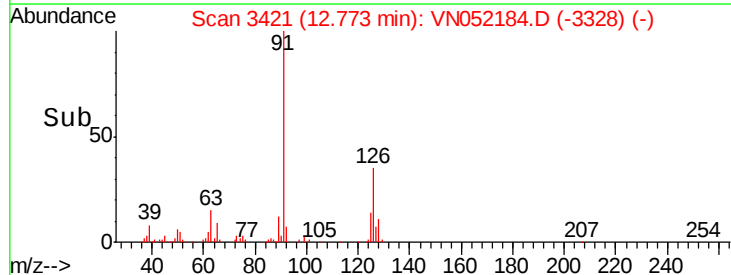
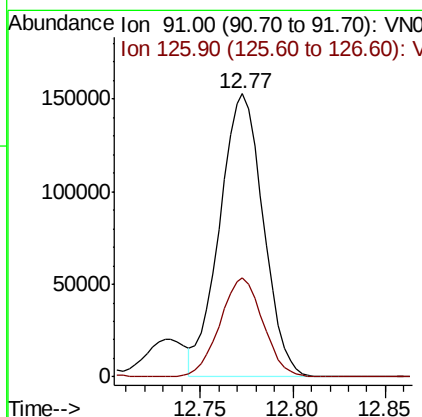
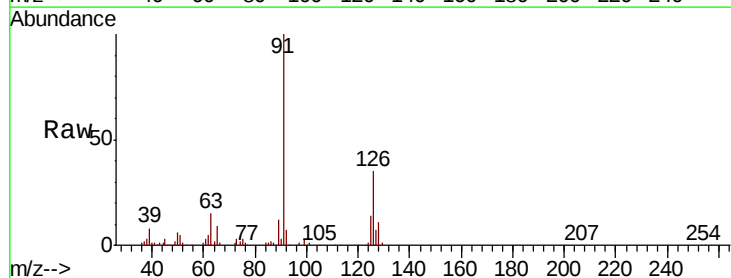
Manual Integrations
APPROVED

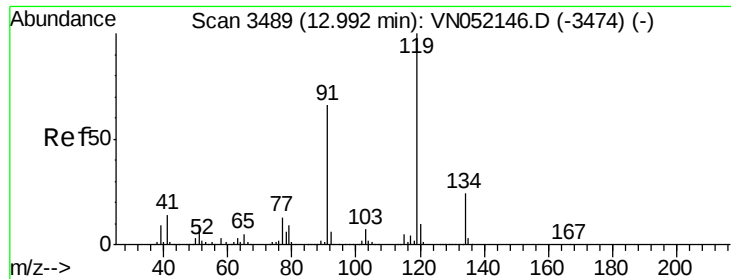
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#82
4-Chlorotoluene
Concen: 20.479 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	15.7	47.1





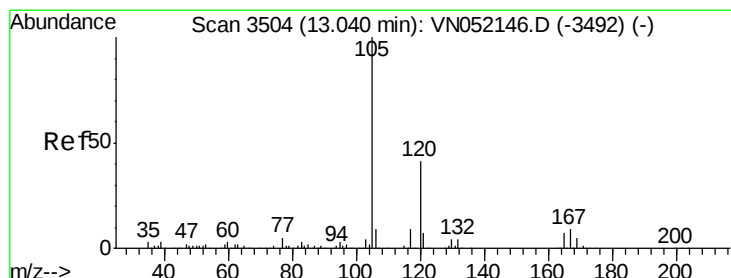
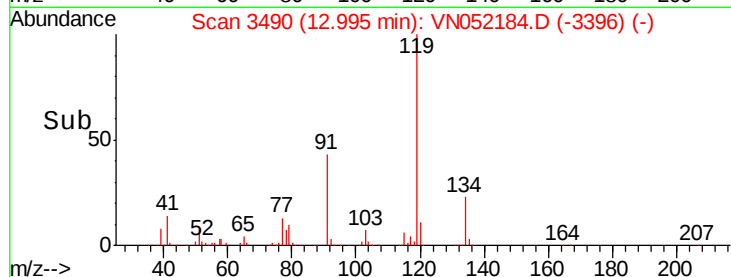
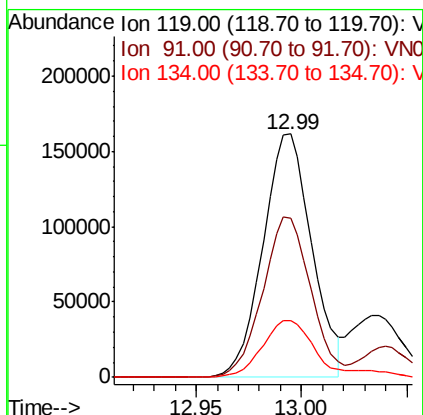
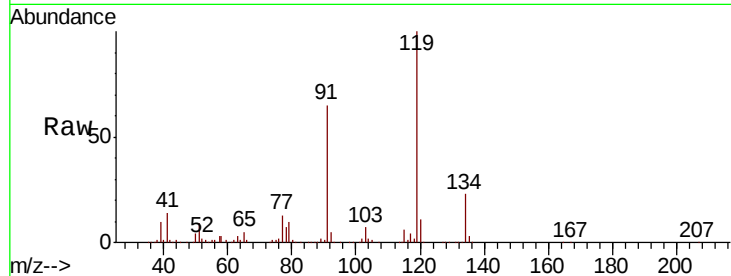
#83
tert-Butylbenzene
Concen: 20.110 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	260738		
91	64.7	36.6	109.9	
134	24.3	12.5	37.5	

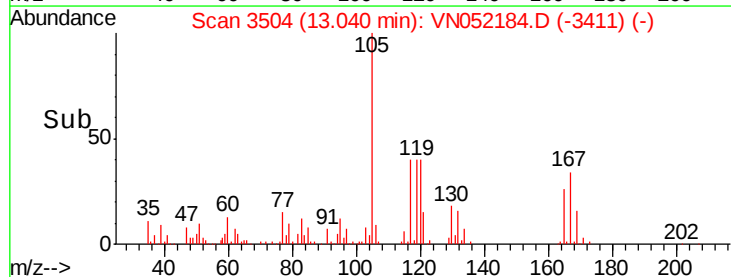
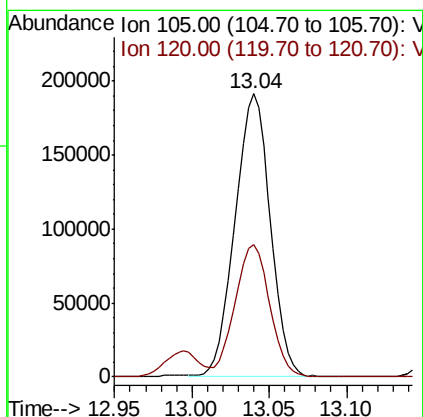
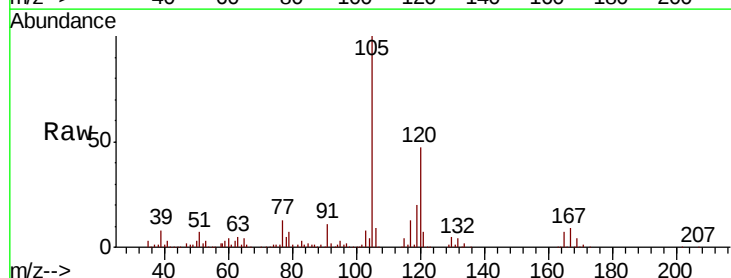
Manual Integrations
APPROVED

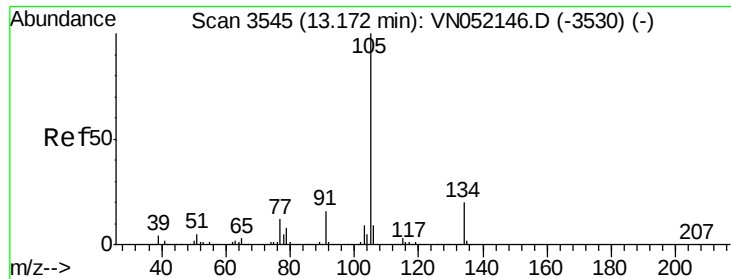
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#84
1,2,4-Trimethylbenzene
Concen: 20.756 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	303387		
120	46.2	21.9	65.5	





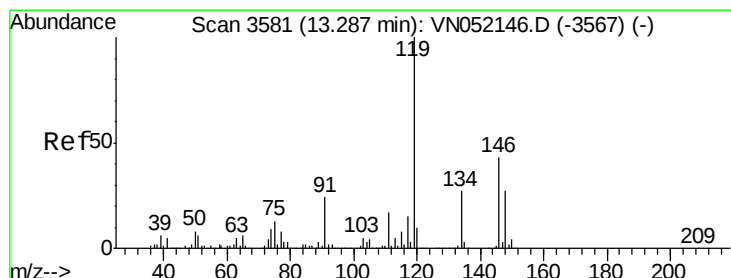
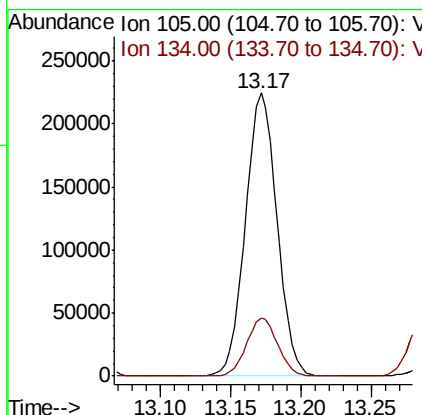
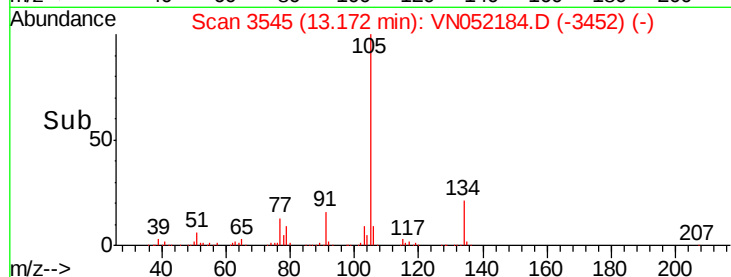
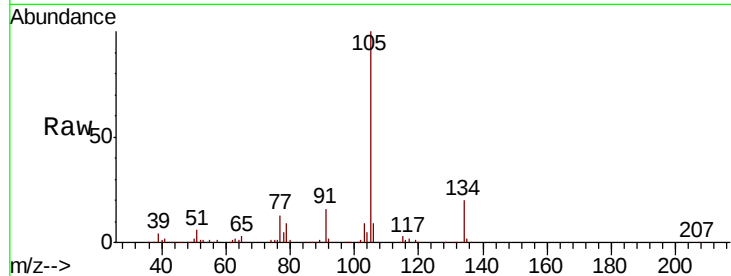
#85
 sec-Butylbenzene
 Concen: 20.101 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.1	27.3

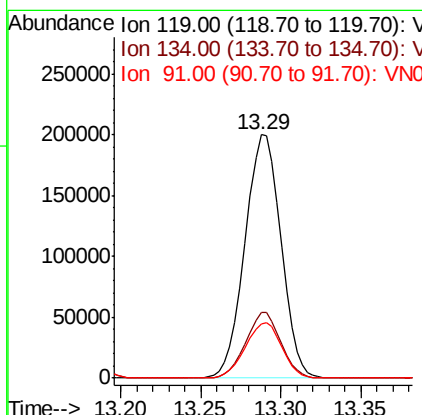
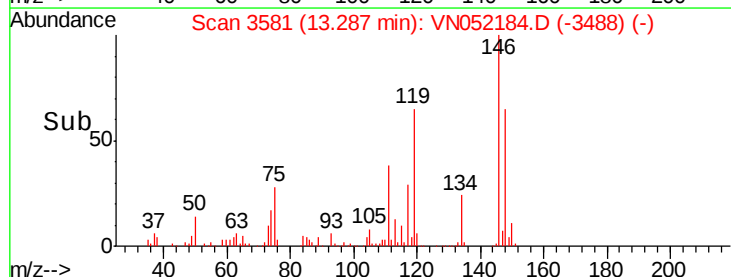
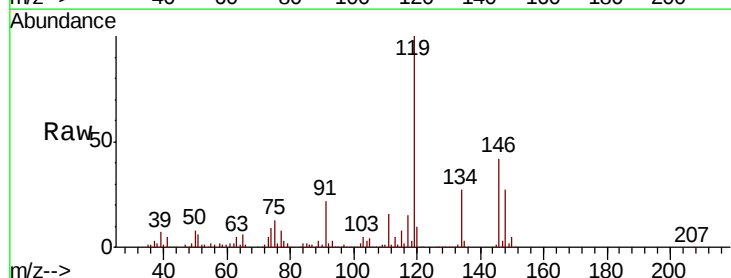
Manual Integrations
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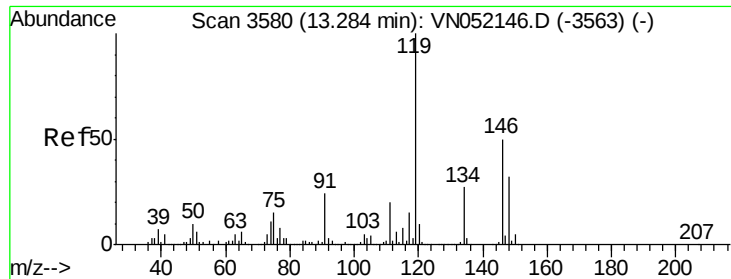
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#86
 p-Isopropyltoluene
 Concen: 20.819 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.3
91	23.2	13.4	40.2





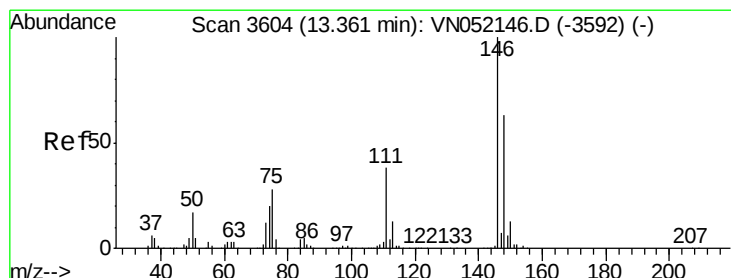
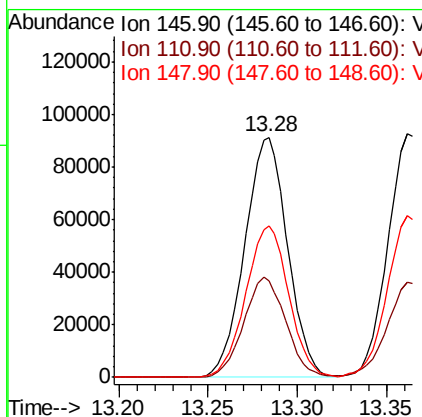
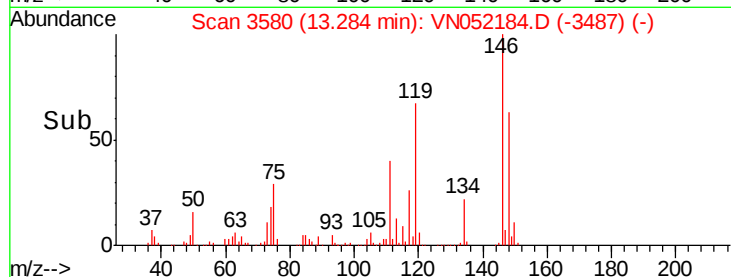
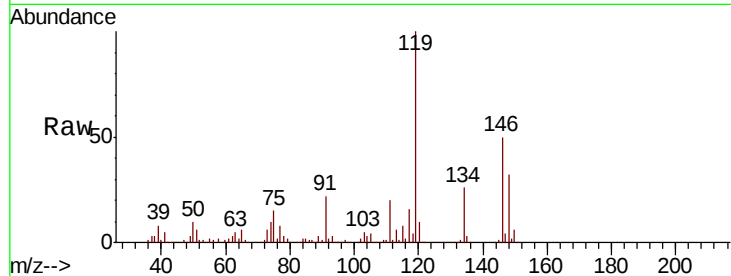
#87
 1,3-Dichlorobenzene
 Concen: 20.034 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	41.1	22.9	68.8
148	63.3	31.8	95.4

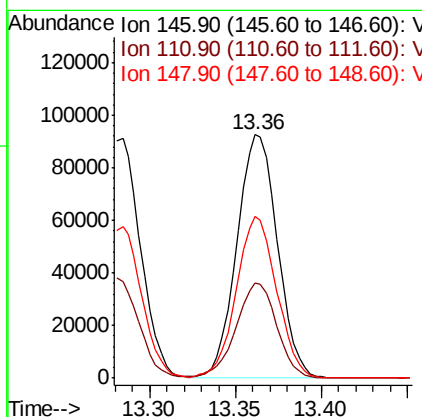
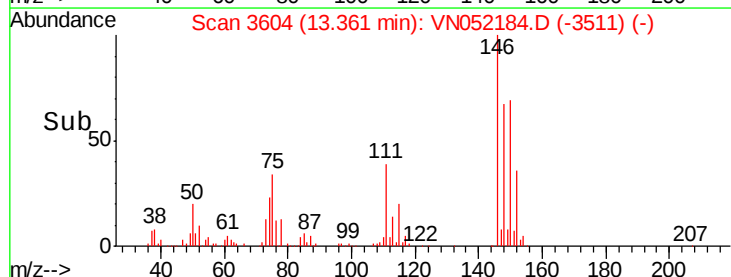
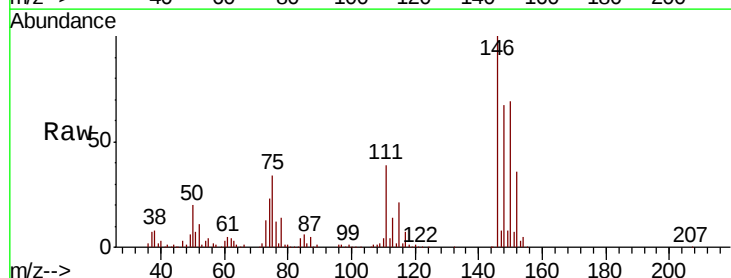
Manual Integrations
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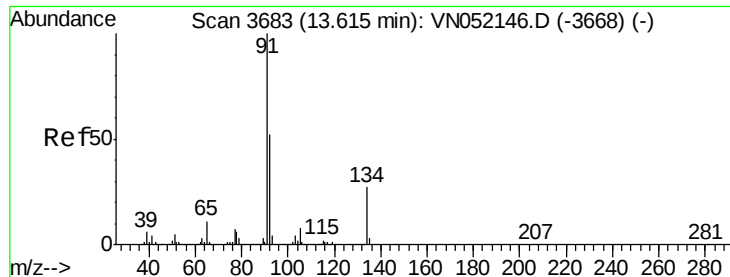
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.907 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	39.5	21.9	65.8
148	66.0	32.6	98.0





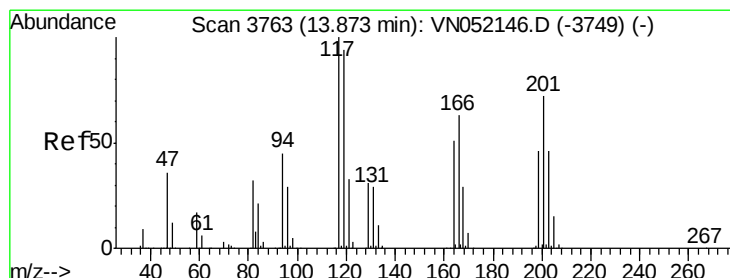
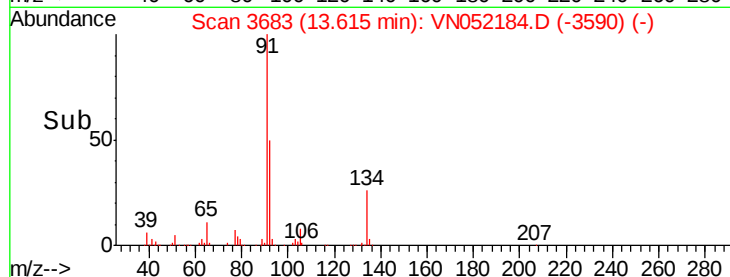
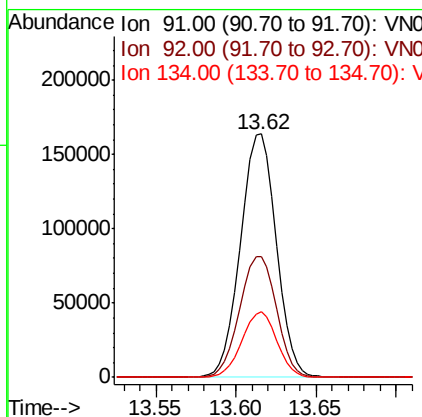
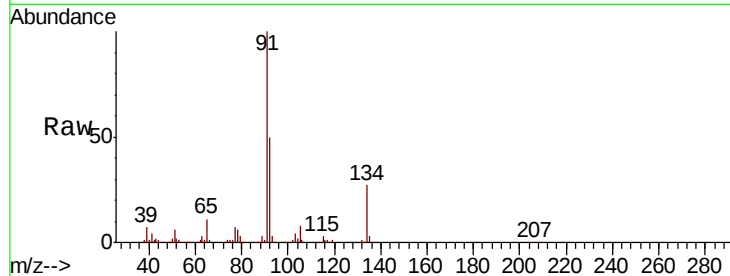
#89
n-Butylbenzene
Concen: 19.529 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.3	75.8
134	26.1	11.2	33.5

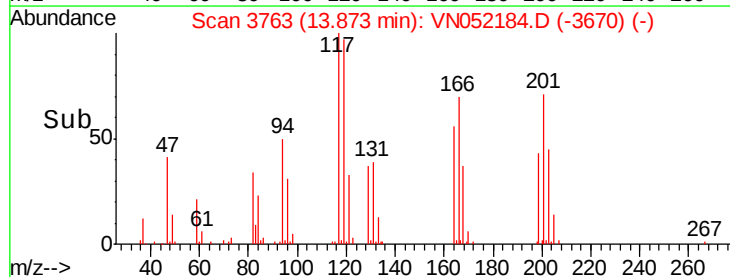
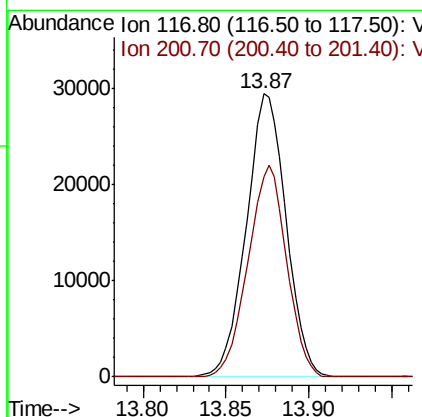
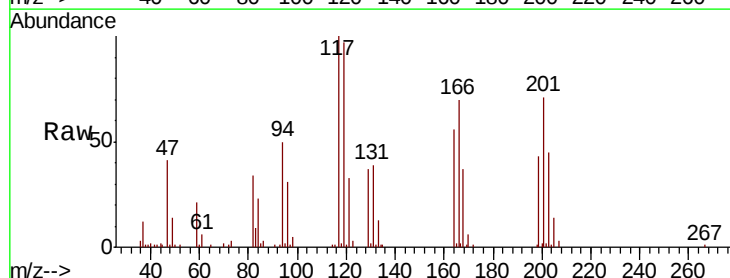
Manual Integrations
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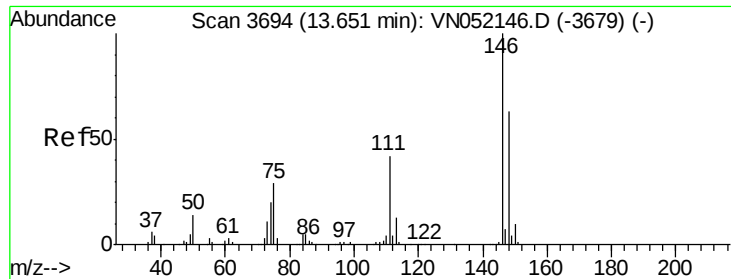
MMDadoda
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#90
Hexachloroethane
Concen: 19.800 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052184.D
Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	31.1	93.5





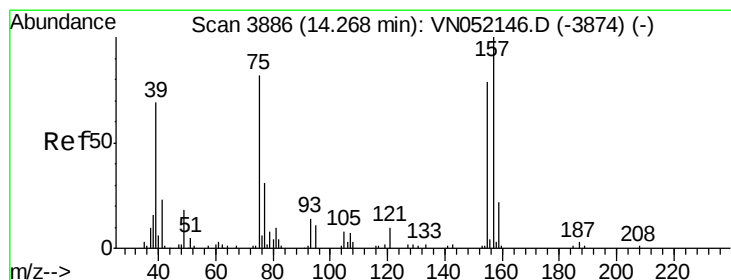
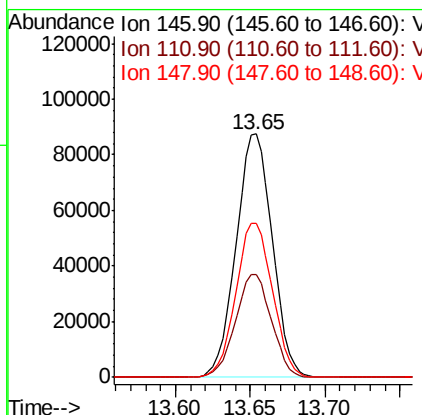
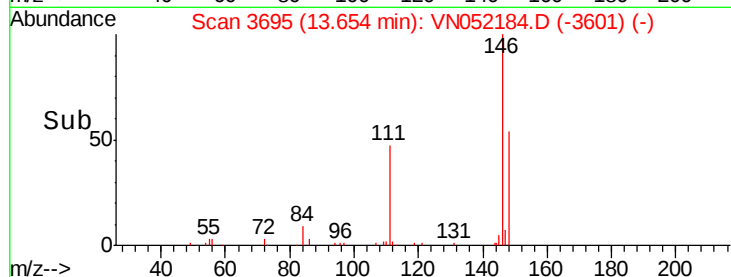
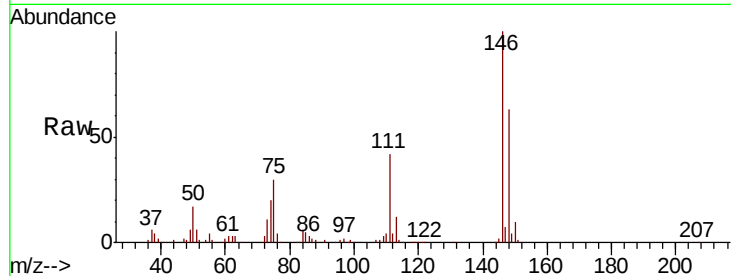
#91
 1,2-Dichlorobenzene
 Concen: 20.584 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.5	67.5
148	64.0	30.9	92.8

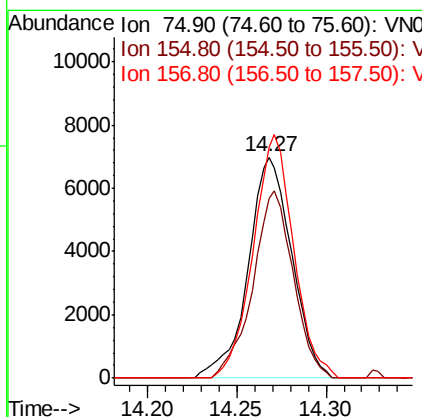
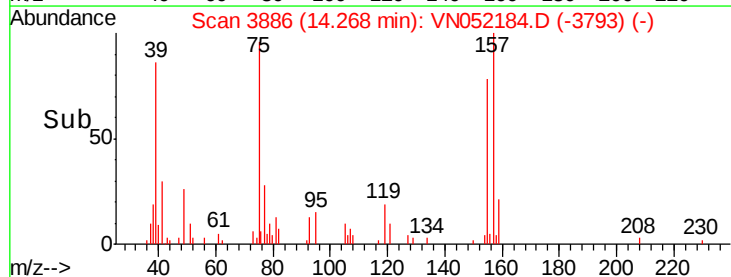
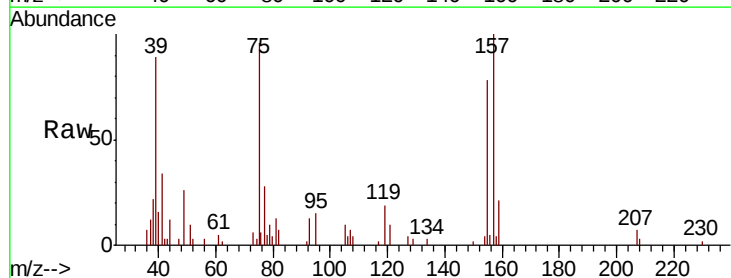
Manual Integrations
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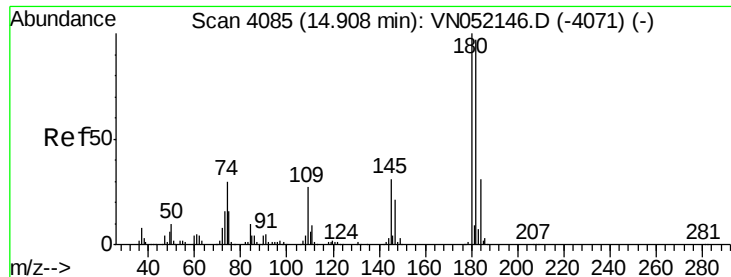
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.728 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	34.0	102.0
157	102.5	42.1	126.4





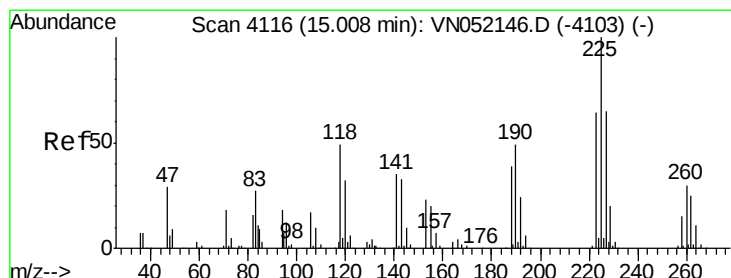
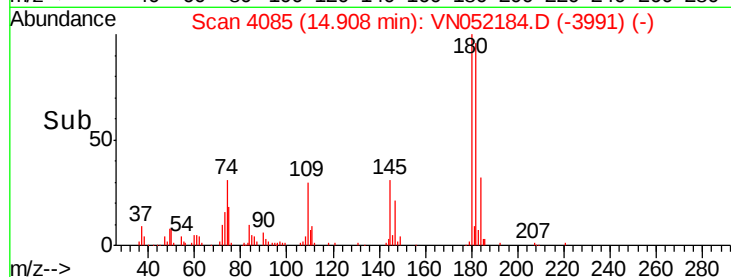
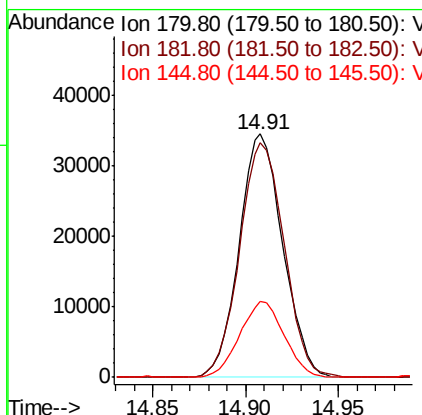
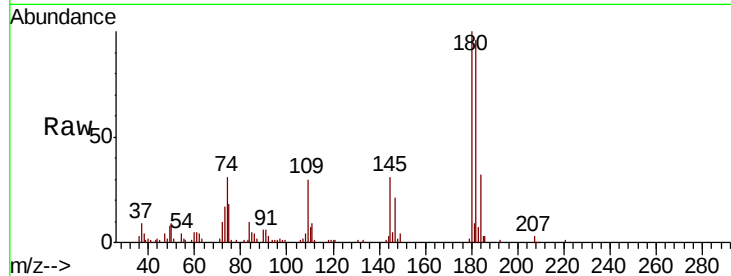
#93
 1,2,4-Trichlorobenzene
 Concen: 18.158 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	49.1	147.4	
145	31.6	16.4	49.2	

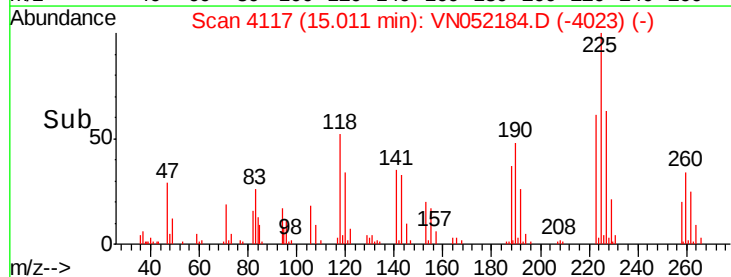
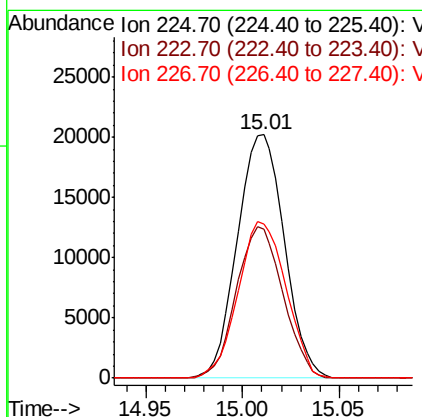
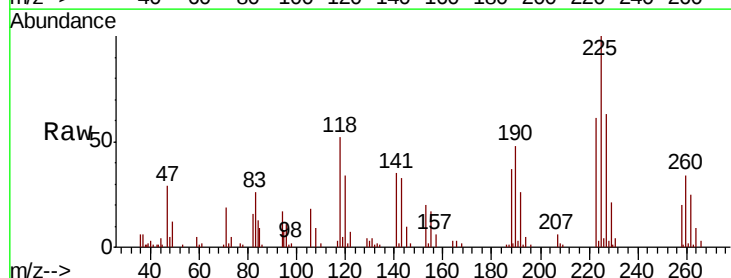
Manual Integrations
 APPROVED

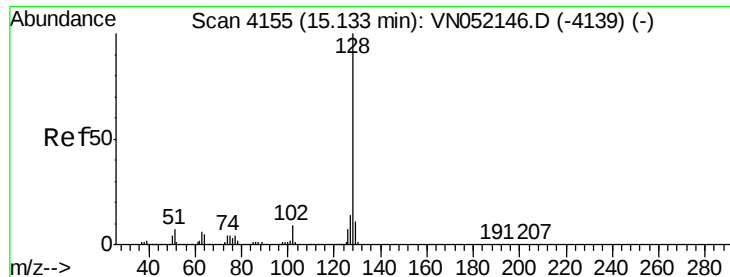
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#94
 Hexachlorobutadiene
 Concen: 20.102 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052184.D
 Acq: 6 Nov 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	33.1	99.3	
227	65.3	32.6	97.8	





#95

Naphthalene

Concen: 18.402 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Instrument :

MSVOA_N

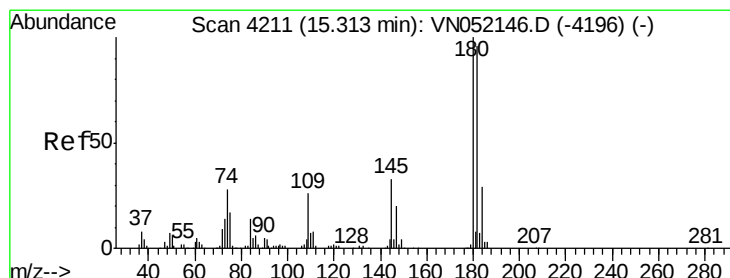
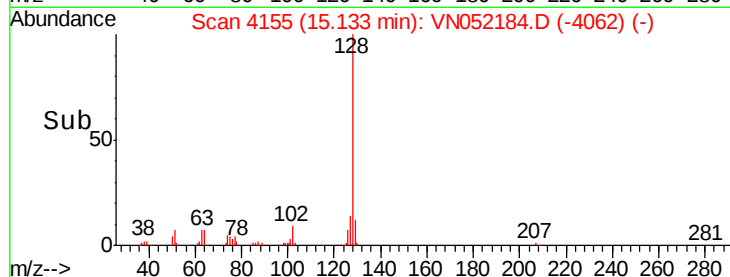
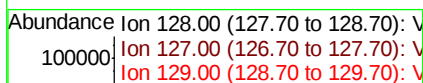
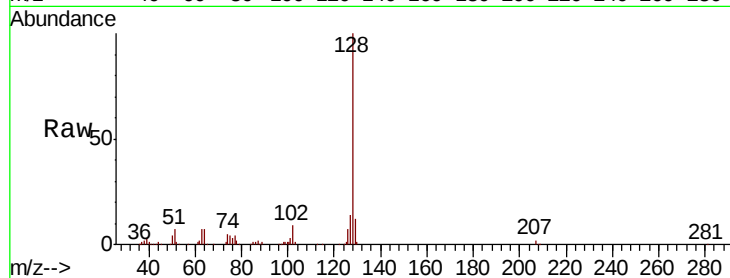
ClientSampleId :

VN1106WBSD02

Tot Ion:	128	Resp:	135200
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	11.8	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.627 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052184.D

Acq: 6 Nov 2018 11:41

Tgt Ion:	180	Resp:	54017
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.2	141.6
145	32.0	16.6	49.7

