

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072418\
 Data File : VN050033.D
 Acq On : 24 Jul 2018 20:28
 Operator : MD\SY
 Sample : VN0724WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 1:51:30 PM

Quant Time: Jul 25 01:24:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	382520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	581970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	521370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267829	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	424884	79.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.22%	
35) Dibromofluoromethane	7.60	113	369981	77.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.72%	
50) Toluene-d8	10.09	98	1363669	78.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.12%	
62) 4-Bromofluorobenzene	12.40	95	444667	77.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	154.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	191498	34.84	ug/l	96
3) Chloromethane	2.06	50	195639	32.75	ug/l	99
4) Vinyl Chloride	2.18	62	202705	32.22	ug/l	97
5) Bromomethane	2.56	94	115411	32.69	ug/l	98
6) Chloroethane	2.70	64	119522	31.63	ug/l	96
7) Trichlorofluoromethane	3.01	101	260603	31.97	ug/l	99
8) Diethyl Ether	3.41	74	87003	32.02	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151176	30.85	ug/l	98
10) Methyl Iodide	3.95	142	196440	31.23	ug/l	99
11) Tert butyl alcohol	4.81	59	69176	176.16	ug/l	99
12) 1,1-Dichloroethene	3.73	96	139731	31.69	ug/l	98
13) Acrolein	3.61	56	50489	160.03	ug/l	97
14) Allyl chloride	4.33	41	215871	31.58	ug/l	99
15) Acrylonitrile	4.99	53	293505	171.31	ug/l	100
16) Acetone	3.83	43	219525	173.29	ug/l	100
17) Carbon Disulfide	4.05	76	416945	30.87	ug/l	99
18) Methyl Acetate	4.33	43	187802	38.02	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	394211	33.55	ug/l	99
20) Methylene Chloride	4.55	84	162696	33.98	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	149371	31.97	ug/l	98
22) Diisopropyl ether	5.96	45	458043	33.79	ug/l	96
23) Vinyl Acetate	5.90	43	1619710	169.09	ug/l	100
24) 1,1-Dichloroethane	5.85	63	282576	31.88	ug/l	100
25) 2-Butanone	6.85	43	351037	172.44	ug/l	97
26) 2,2-Dichloropropane	6.83	77	187972	27.88	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	161782	32.17	ug/l	99
28) Bromochloromethane	7.20	49	129895	32.13	ug/l	98
29) Tetrahydrofuran	7.22	42	229755	174.66	ug/l	100
30) Chloroform	7.37	83	288415	31.89	ug/l	100
31) Cyclohexane	7.66	56	231303	31.44	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	245152	31.69	ug/l	99
36) 1,1-Dichloropropene	7.80	75	205623	31.36	ug/l	100
37) Ethyl Acetate	6.94	43	152461	33.35	ug/l	99
38) Carbon Tetrachloride	7.78	117	215402	30.96	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	205631	30.49	ug/l	98
40) Benzene	8.05	78	641937	32.17	ug/l	98
41) Methacrylonitrile	7.18	41	77556	33.53	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	213451	32.07	ug/l	99
43) Isopropyl Acetate	8.17	43	348474	40.23	ug/l #	92
44) Trichloroethene	8.84	130	166088	30.98	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170881	32.34	ug/l	97
46) Dibromomethane	9.21	93	107497	32.76	ug/l	100
47) Bromodichloromethane	9.41	83	214048	30.91	ug/l	99
48) Methyl methacrylate	9.20	41	130394	33.12	ug/l	96
49) 1,4-Dioxane	9.20	88	37824	705.96	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	784335	174.53	ug/l	98
52) Toluene	10.16	92	391574	33.25	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	208917	31.97	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	236453	31.66	ug/l	100
55) 1,1,2-Trichloroethane	10.57	97	152155	32.57	ug/l	99
56) Ethyl methacrylate	10.43	69	184646	30.02	ug/l	100
57) 1,3-Dichloropropane	10.71	76	252117	33.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	428333	148.47	ug/l	99
59) 2-Hexanone	10.76	43	526219	161.23	ug/l	99
60) Dibromochloromethane	10.90	129	170032	32.88	ug/l	99
61) 1,2-Dibromoethane	11.01	107	148501	32.04	ug/l	97
64) Tetrachloroethene	10.63	164	157808	31.48	ug/l	98
65) Chlorobenzene	11.44	112	417074	31.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161781	31.97	ug/l	100
67) Ethyl Benzene	11.52	91	678580	32.08	ug/l	100
68) m/p-Xylenes	11.62	106	537747	67.20	ug/l	99
69) o-Xylene	11.95	106	257664	33.78	ug/l	99
70) Styrene	11.97	104	411065	30.66	ug/l	99
71) Bromoform	12.13	173	118898	32.30	ug/l #	99
73) Isopropylbenzene	12.25	105	684989	32.98	ug/l	100
74) N-amyl acetate	12.07	43	208442	32.83	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	202194	35.95	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	166568m	33.46	ug/l	
77) Bromobenzene	12.53	156	187078	32.50	ug/l	98
78) n-propylbenzene	12.59	91	775651	33.41	ug/l	99
79) 2-Chlorotoluene	12.68	91	477154	33.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	566397	34.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50289	32.05	ug/l	96
82) 4-Chlorotoluene	12.78	91	474480	33.30	ug/l	99
83) tert-Butylbenzene	13.00	119	474831	33.30	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	576677	35.02	ug/l	99
85) sec-Butylbenzene	13.17	105	646029	33.91	ug/l	99
86) p-Isopropyltoluene	13.29	119	545919	34.01	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	307535	31.51	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	295795	31.10	ug/l	99
89) n-Butylbenzene	13.62	91	416970	31.59	ug/l	99
90) Hexachloroethane	13.88	117	106415	29.85	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	309688	31.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31756	34.05	ug/l	97

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Manual Integrations
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QLast Update : Tue Jul 24 06:27:04 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137266	27.98	ug/l	98
94) Hexachlorobutadiene	15.01	225	92200	30.87	ug/l	99
95) Naphthalene	15.14	128	317521	28.08	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	145569	29.82	ug/l	100

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

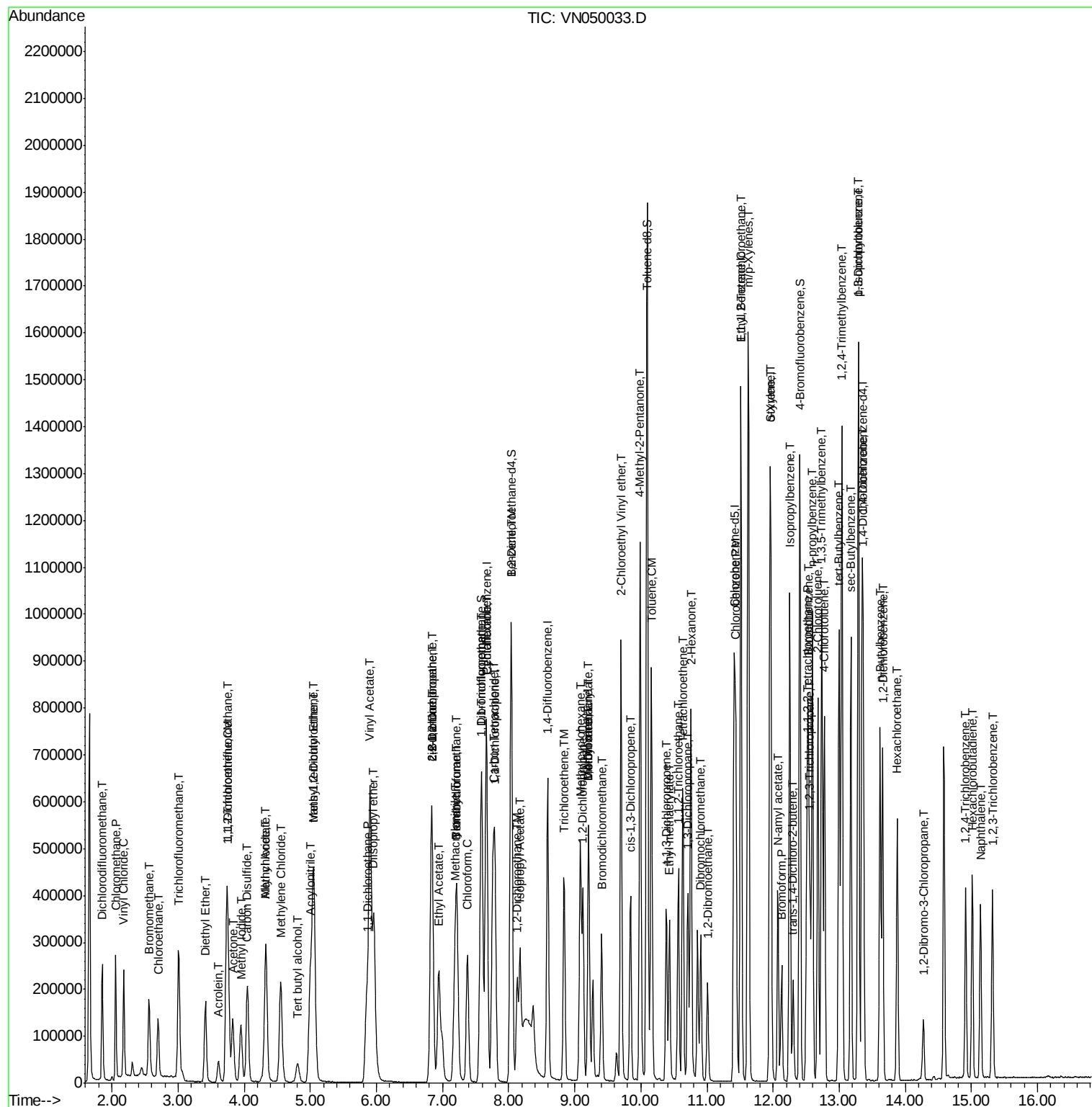
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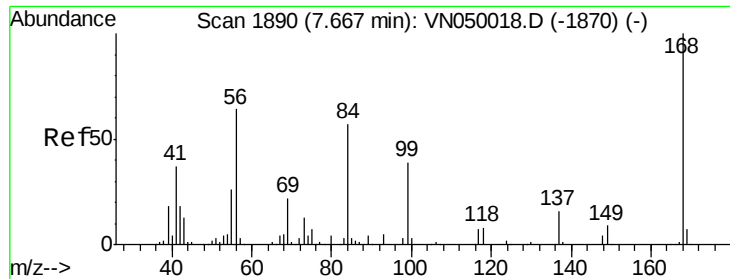
Instrument :
MSVOA_N
Client Sample Id :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:168 Resp: 382520

Ion Ratio Lower Upper

168 100

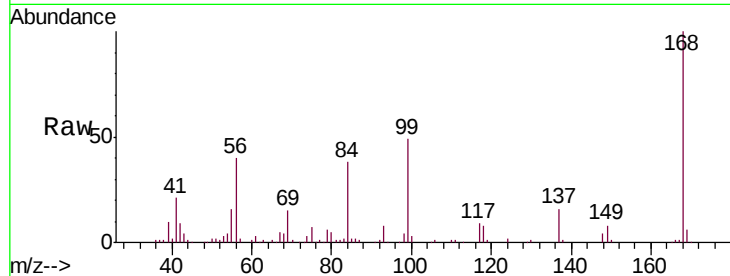
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Manual Integrations

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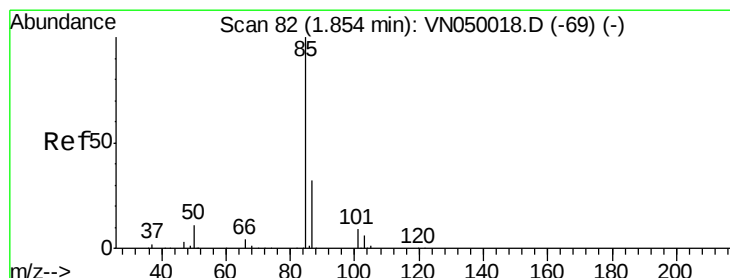
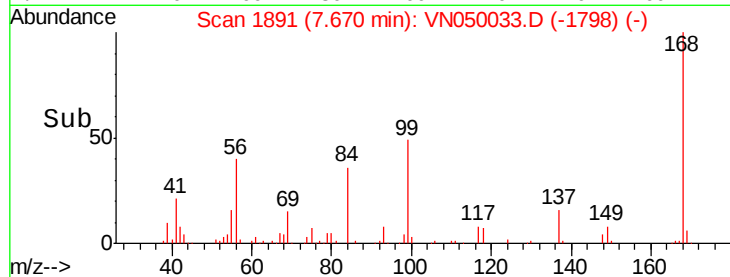
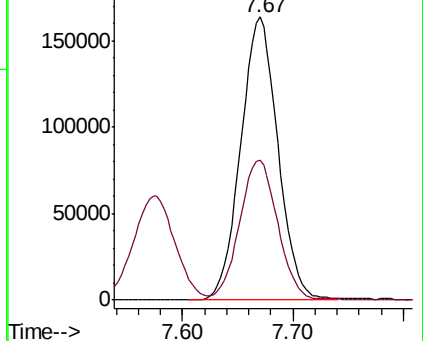
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 34.84 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050033.D

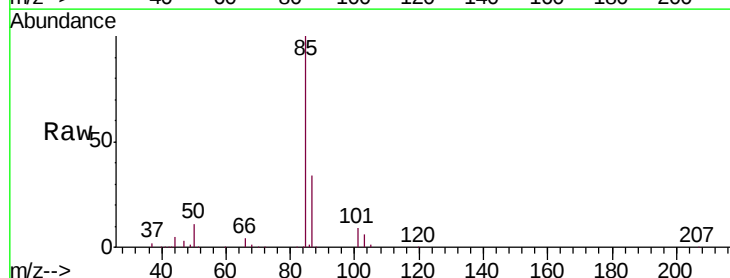
Acq: 24 Jul 2018 20:28

Tgt Ion: 85 Resp: 191498

Ion Ratio Lower Upper

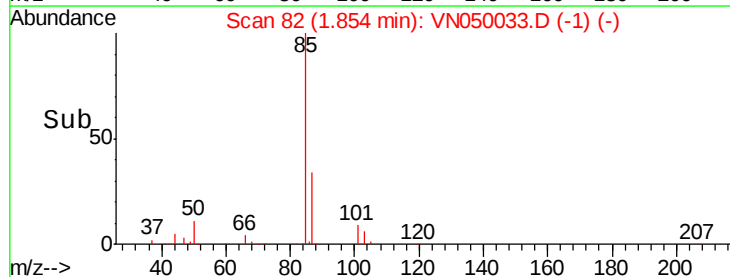
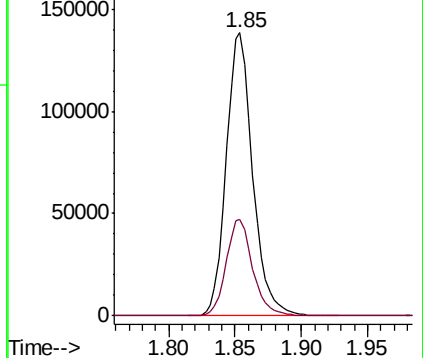
85 100

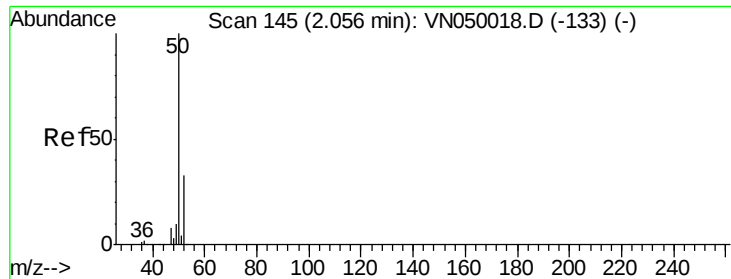
87 34.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 32.75 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampled :

VN0724WBSD01

Tot Ion: 50 Resp: 195639

Ion Ratio Lower Upper

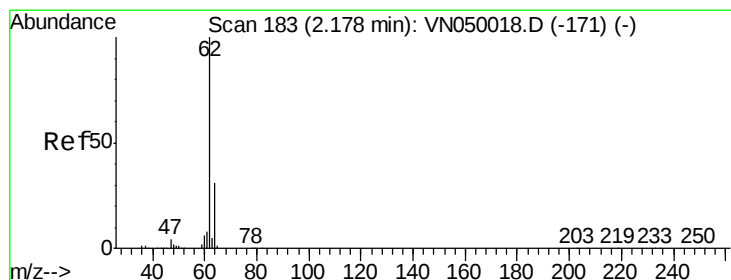
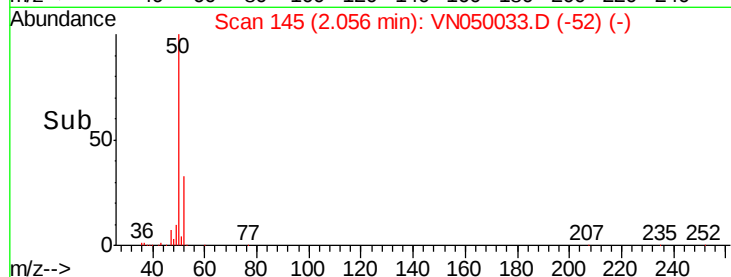
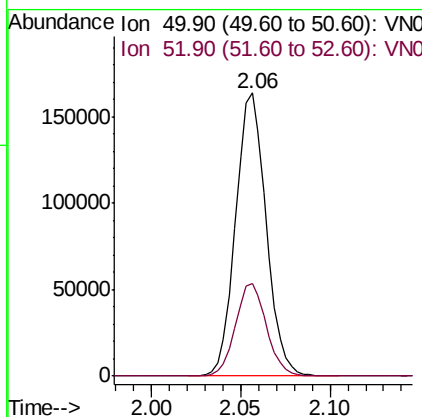
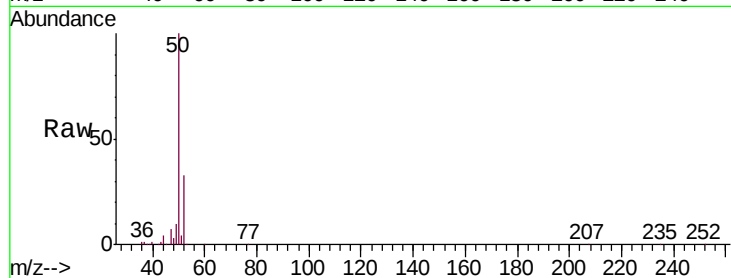
50 100

52 32.7 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 32.22 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050033.D

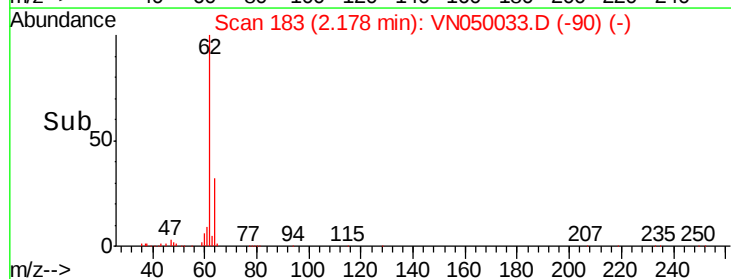
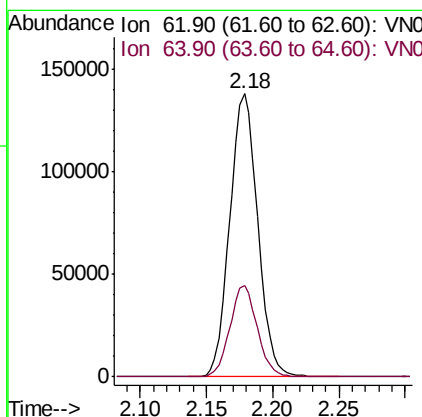
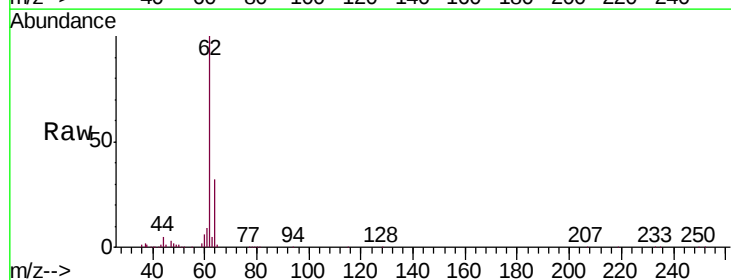
Acq: 24 Jul 2018 20:28

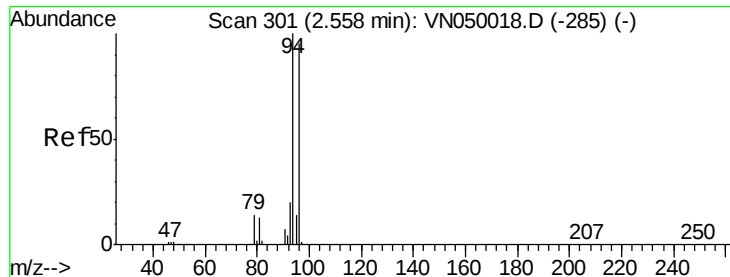
Tgt Ion: 62 Resp: 202705

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1





#5

Bromomethane

Concen: 32.69 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 94 Resp: 115411

Ion Ratio Lower Upper

94 100

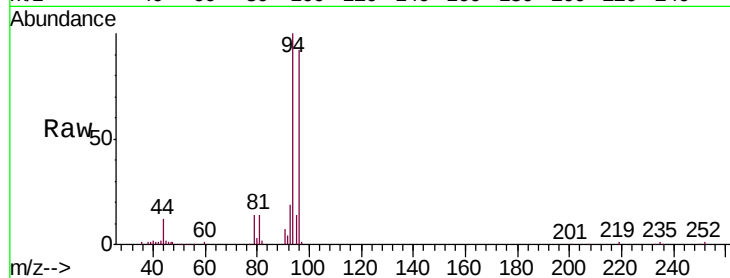
96 91.4 74.6 112.0

Manual Integrations

APPROVED

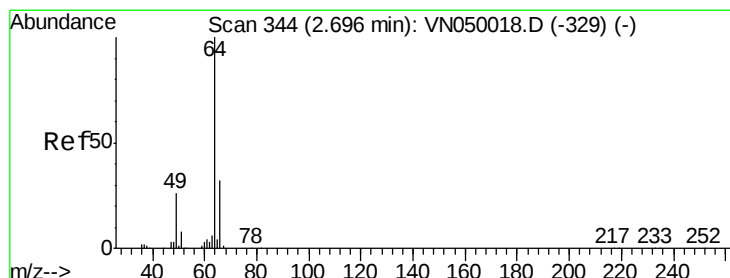
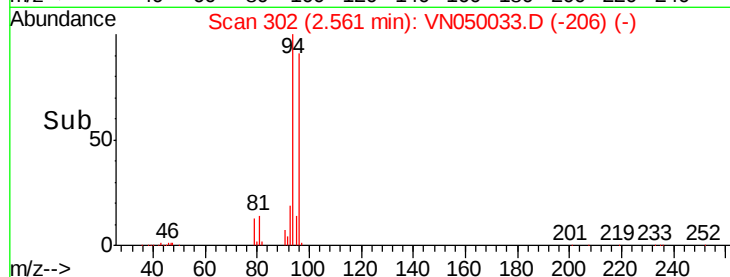
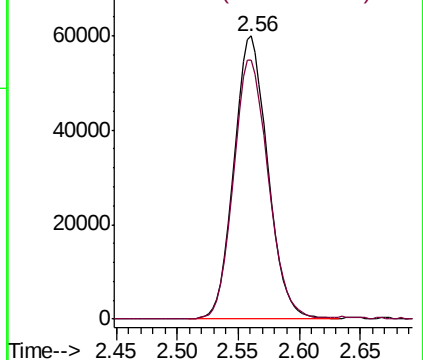
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 31.63 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050033.D

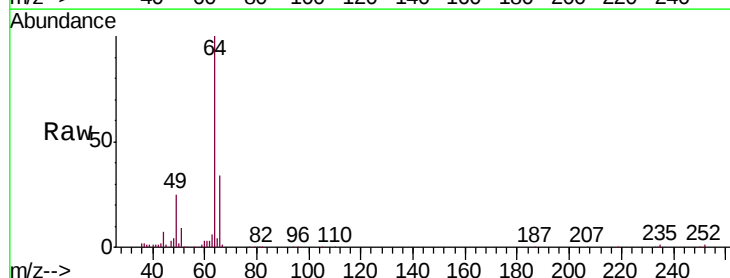
Acq: 24 Jul 2018 20:28

Tgt Ion: 64 Resp: 119522

Ion Ratio Lower Upper

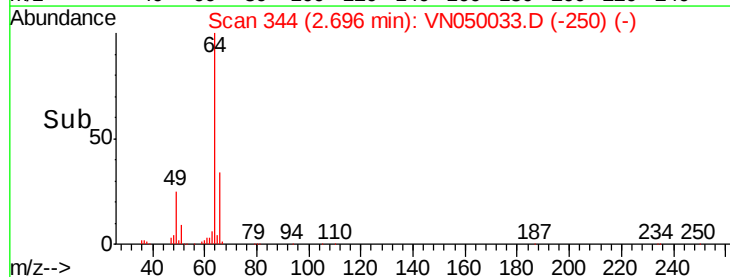
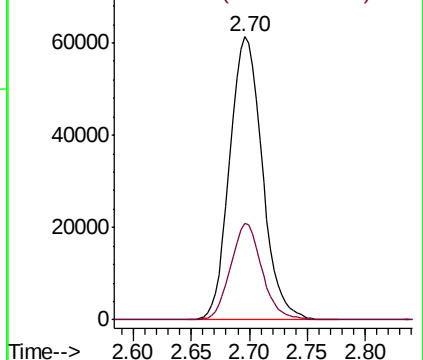
64 100

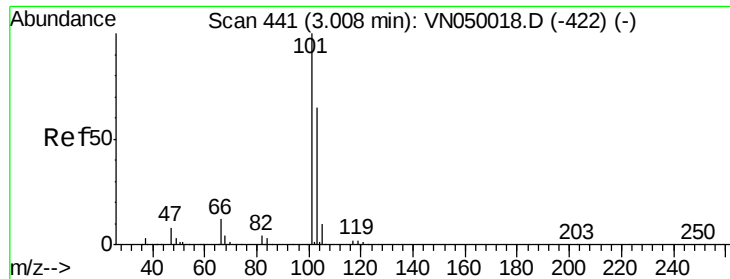
66 33.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

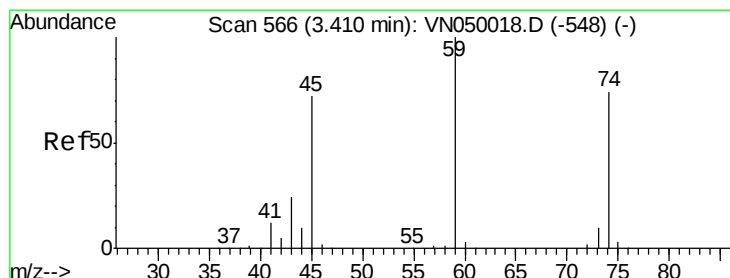
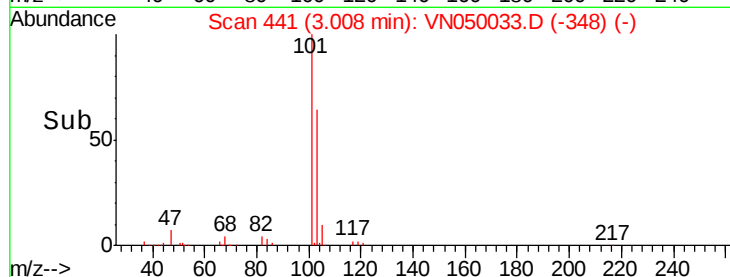
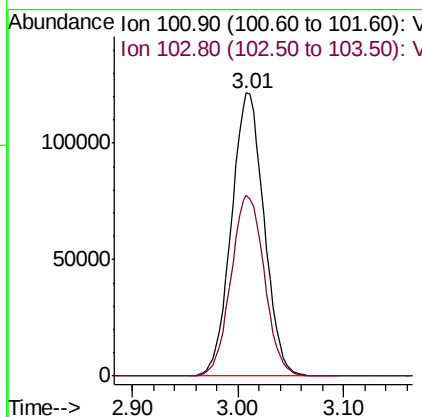
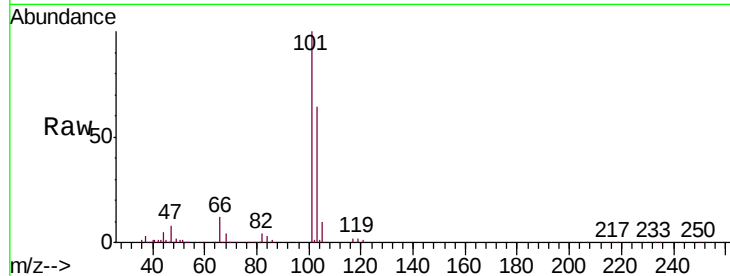
Trichlorofluoromethane
 Concen: 31.97 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
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 VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.7	77.5

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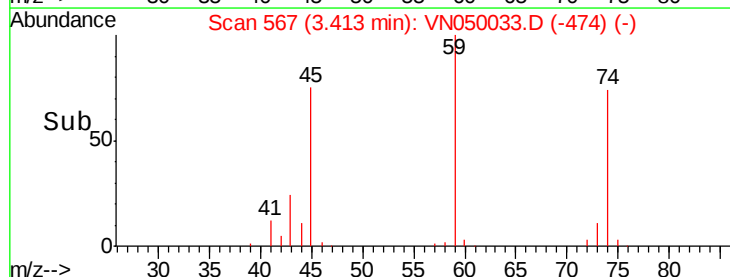
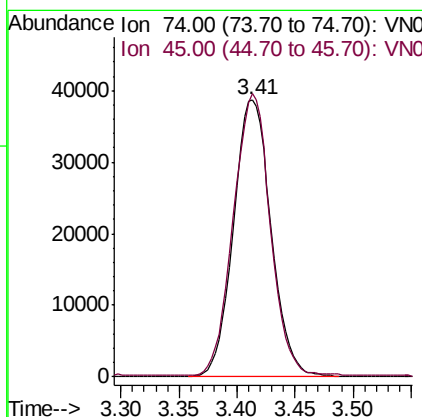
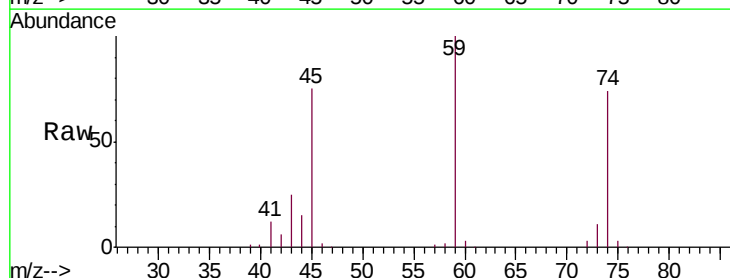
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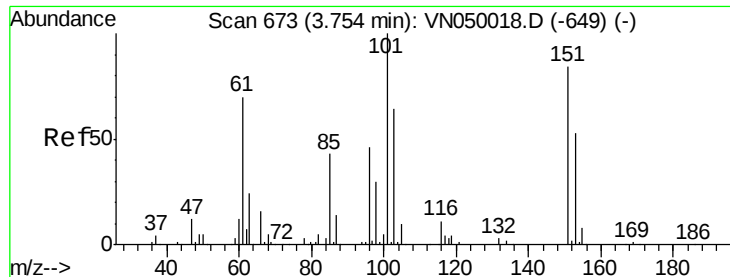


#8

Diethyl Ether
 Concen: 32.02 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.85 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

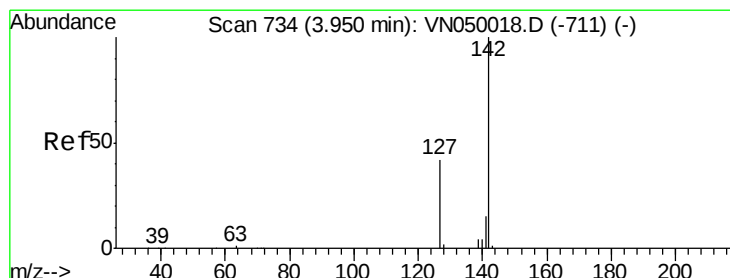
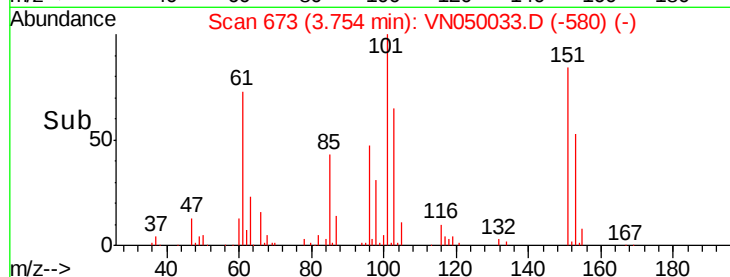
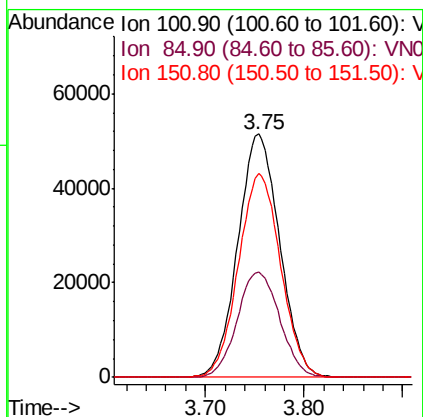
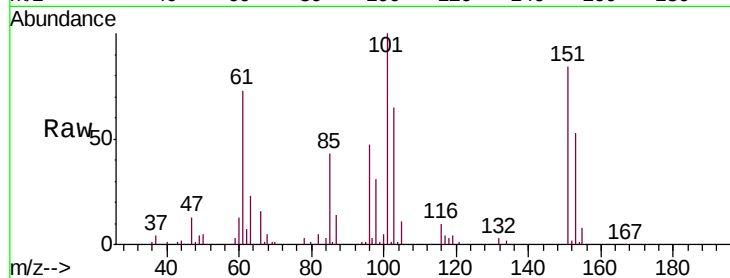
ClientSampleId :

VN0724WBSD01

Tot Ion:	101	Resp:	151176
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.2
151	84.4	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 31.23 ug/l

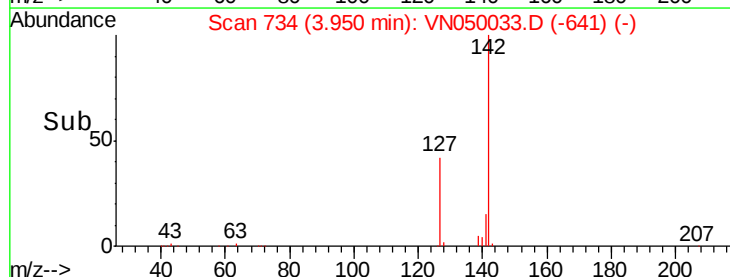
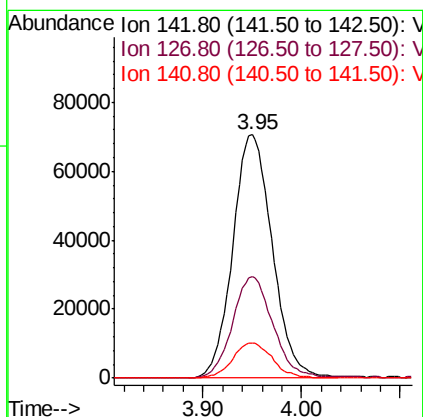
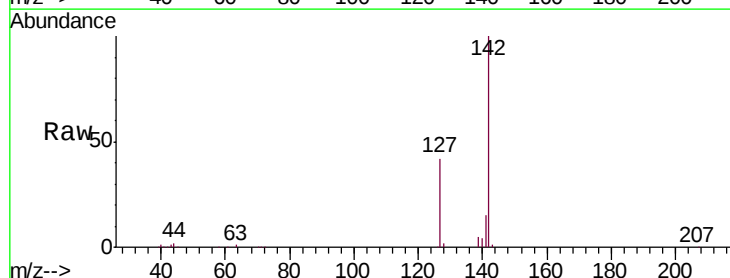
RT: 3.95 min Scan# 734

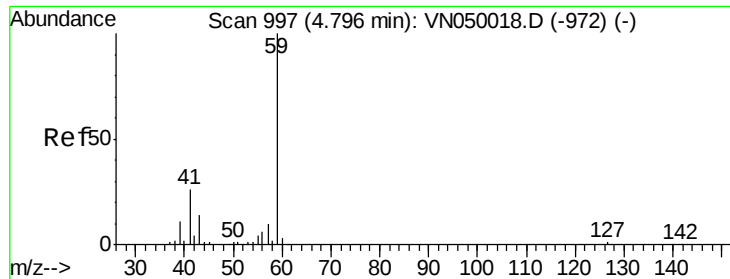
Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Tgt Ion:	142	Resp:	196440
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.4	50.2
141	14.5	11.6	17.4





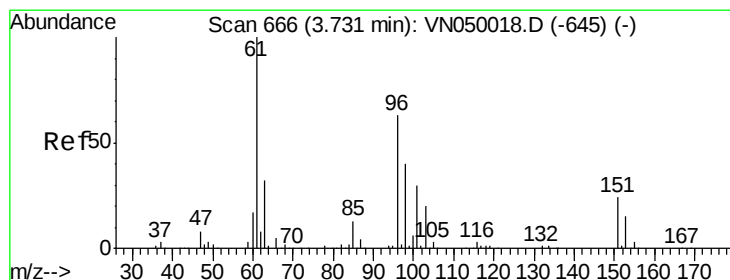
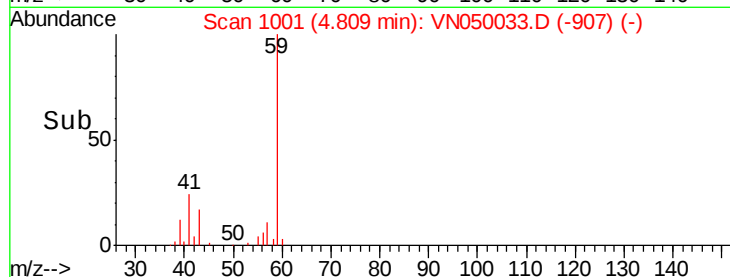
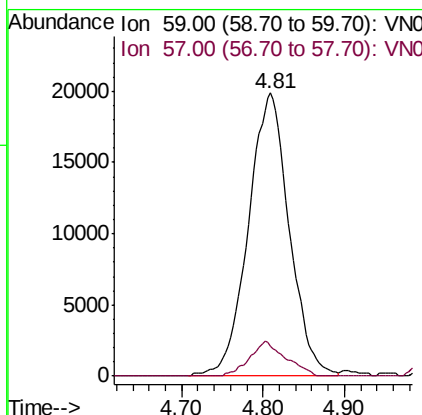
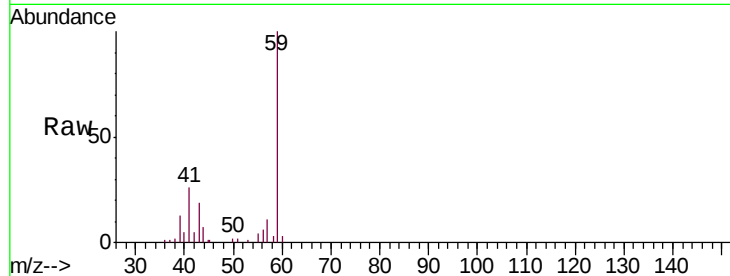
#11
Tert butyl alcohol
Concen: 176.16 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion: 59 Resp: 69176
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

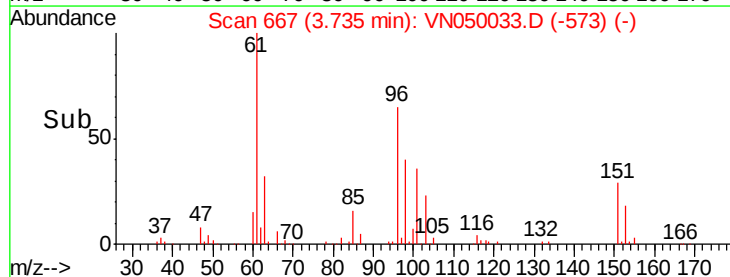
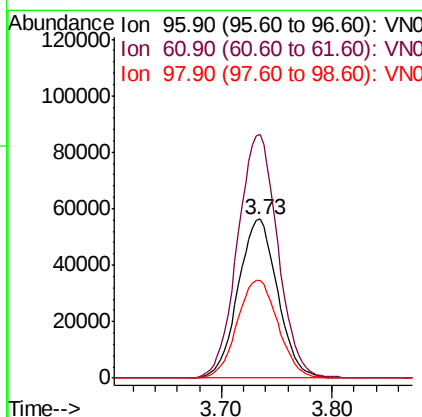
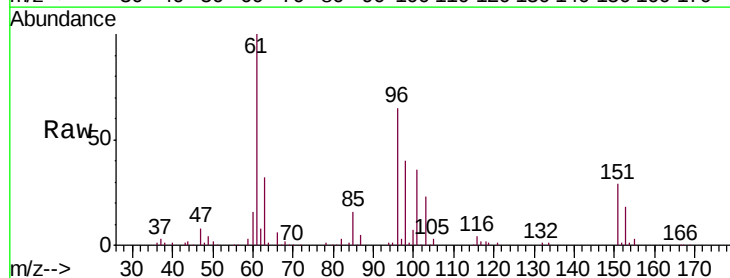
Manual Integrations
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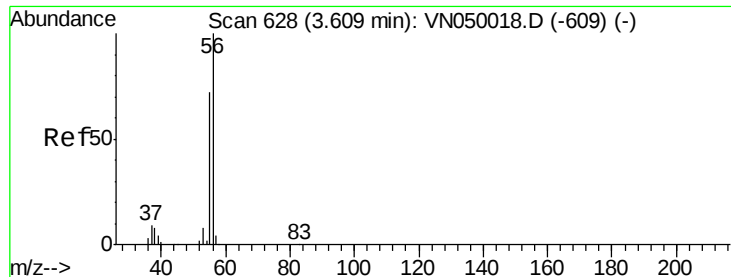
MMDadoda
7/26/2018 1:51:30 PM



#12
1,1-Dichloroethene
Concen: 31.69 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion: 96 Resp: 139731
Ion Ratio Lower Upper
96 100
61 153.3 124.4 186.6
98 61.6 48.3 72.5





#13

Acrolein

Concen: 160.03 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 56 Resp: 50489

Ion Ratio Lower Upper

56 100

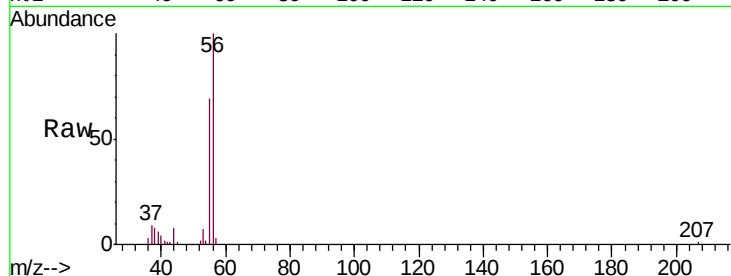
55 71.9 55.8 83.6

Manual Integrations

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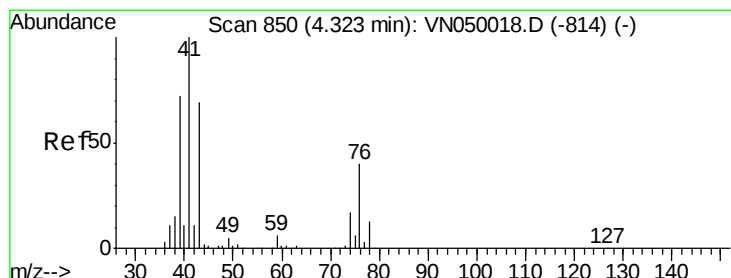
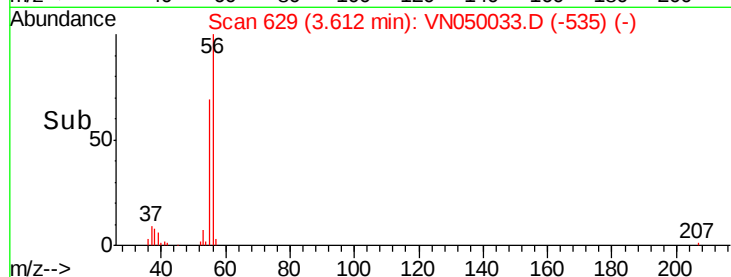
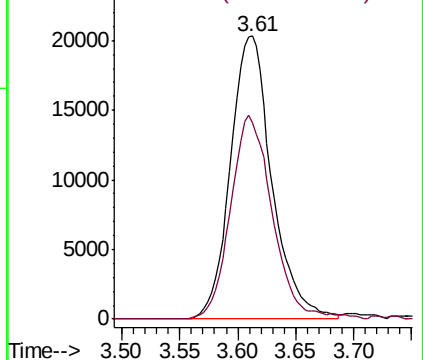
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 31.58 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

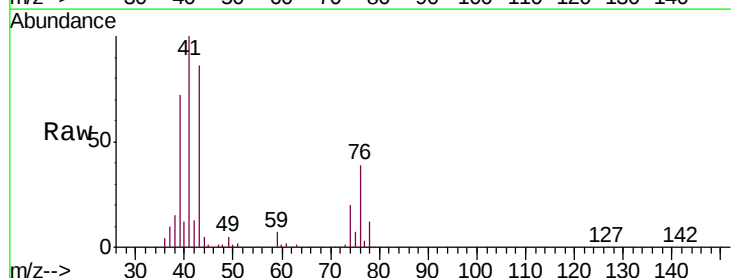
Tgt Ion: 41 Resp: 215871

Ion Ratio Lower Upper

41 100

39 68.4 54.2 81.4

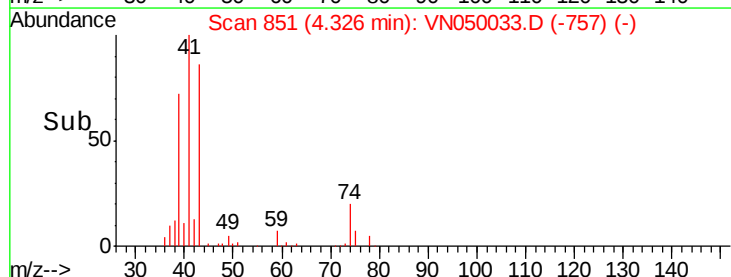
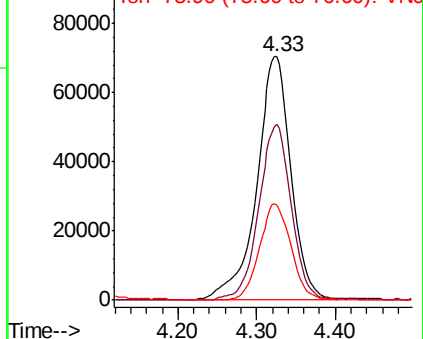
76 35.7 29.0 43.6

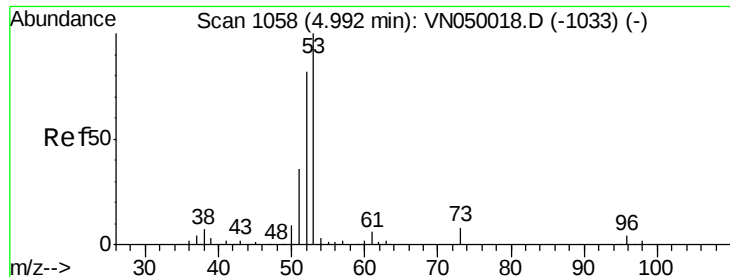


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 171.31 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

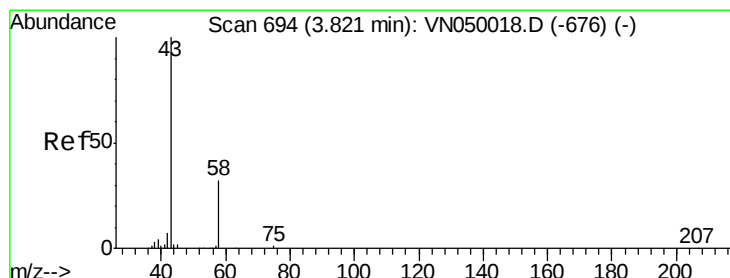
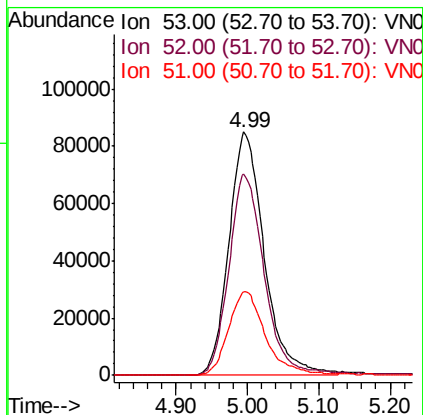
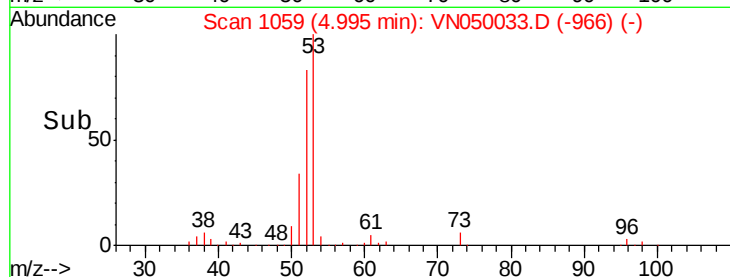
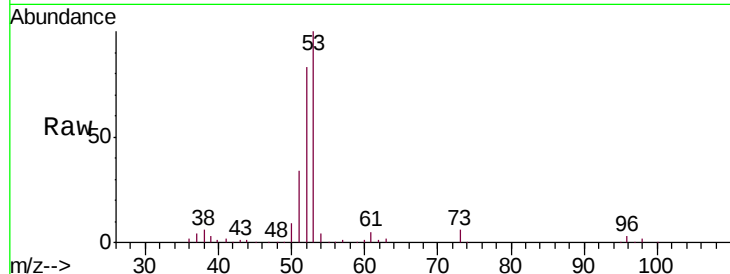
ClientSampleId :

VN0724WBSD01

Tot Ion:	53	Resp:	293505
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 173.29 ug/l

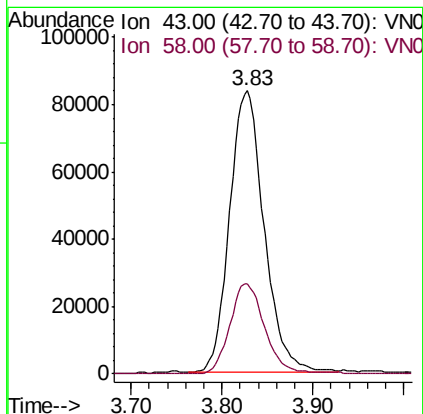
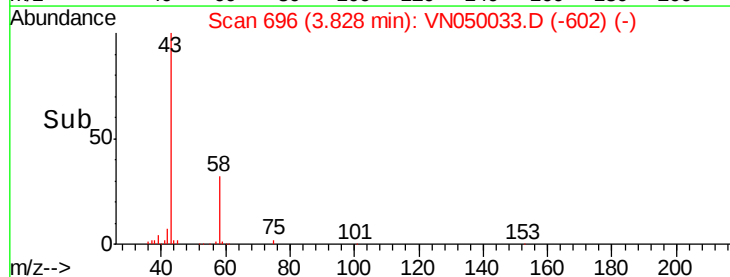
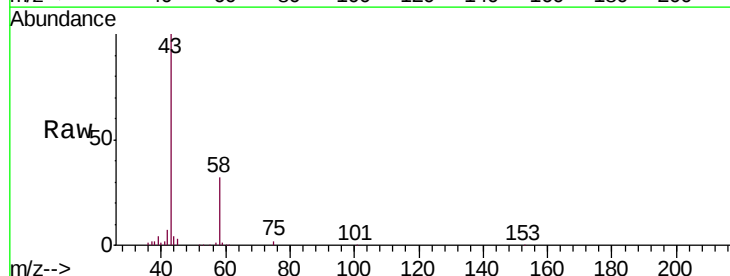
RT: 3.83 min Scan# 696

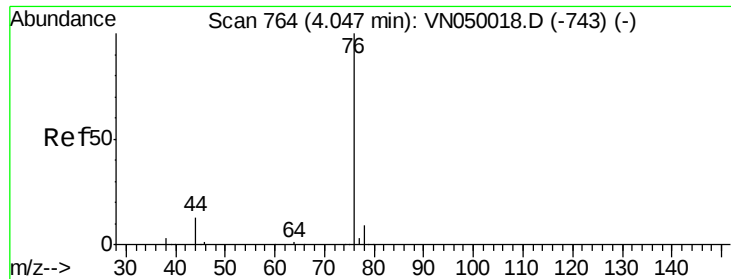
Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Tgt Ion:	43	Resp:	219525
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.8	38.8





#17

Carbon Disulfide

Concen: 30.87 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 76 Resp: 416945

Ion Ratio Lower Upper

76 100

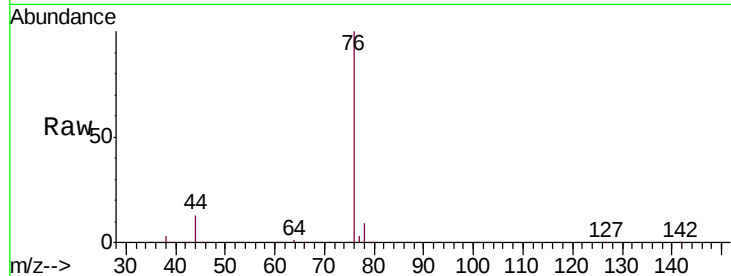
78 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

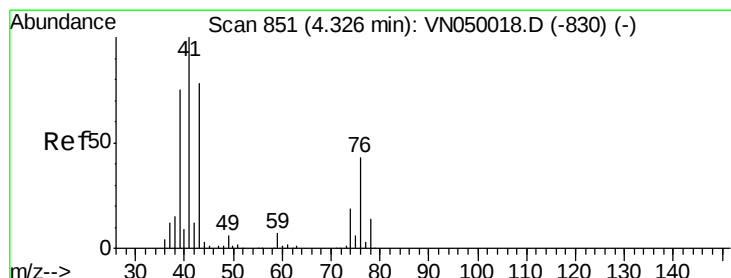
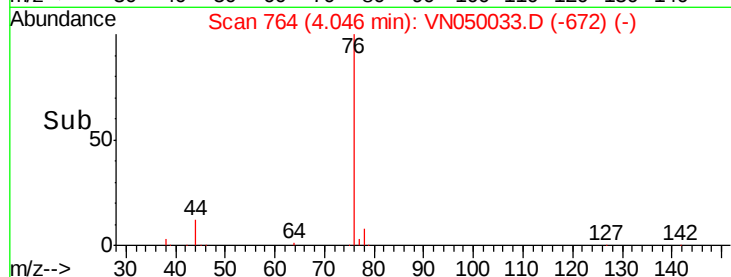
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 38.02 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050033.D

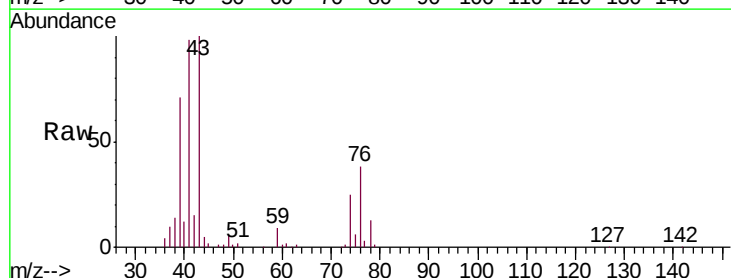
Acq: 24 Jul 2018 20:28

Tgt Ion: 43 Resp: 187802

Ion Ratio Lower Upper

43 100

74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

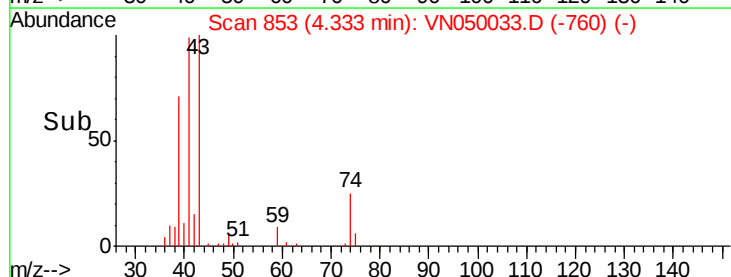
60000

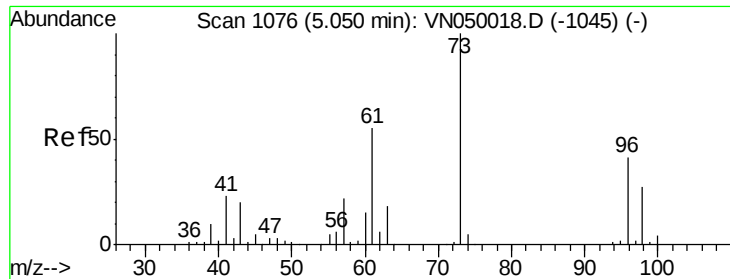
40000

20000

0

Time-->





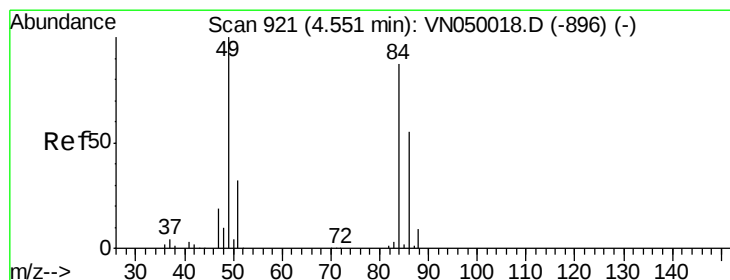
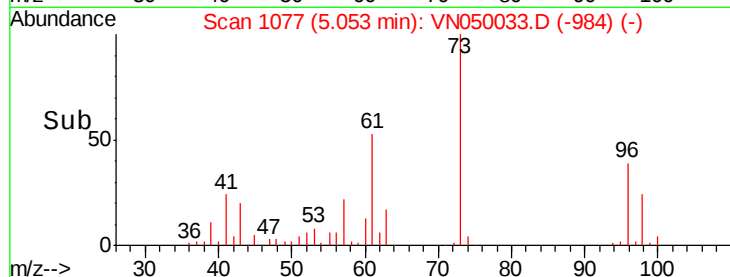
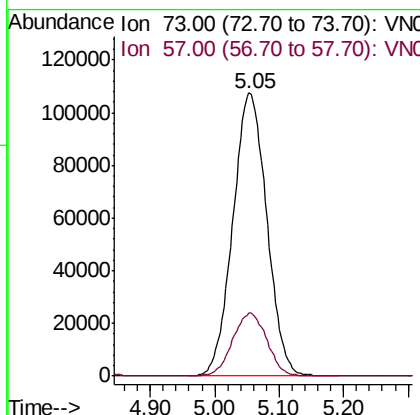
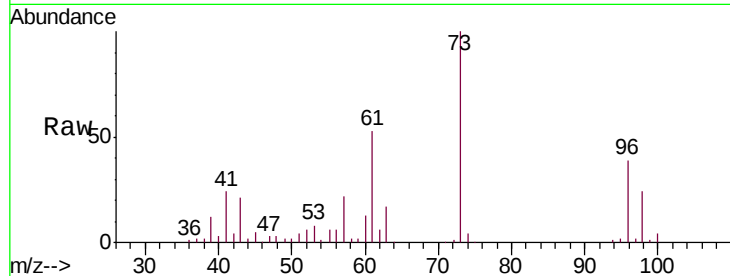
#19
Methyl tert-butyl Ether
Concen: 33.55 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion: 73 Resp: 394211
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0

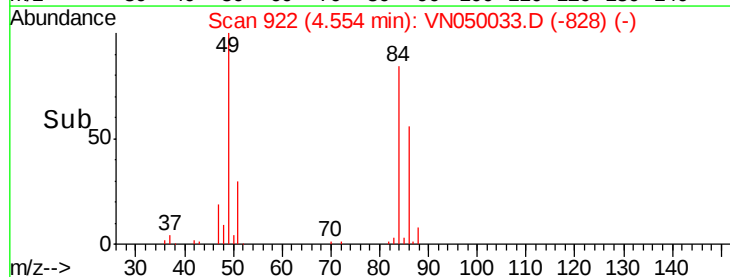
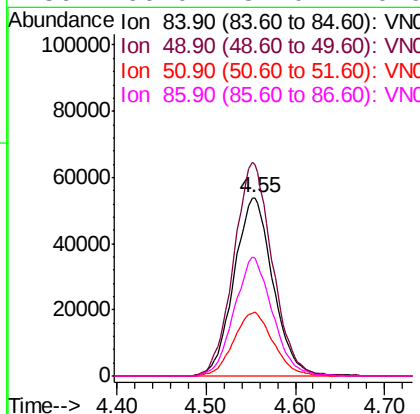
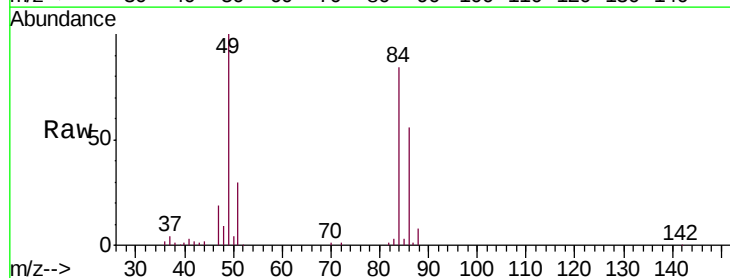
Manual Integrations
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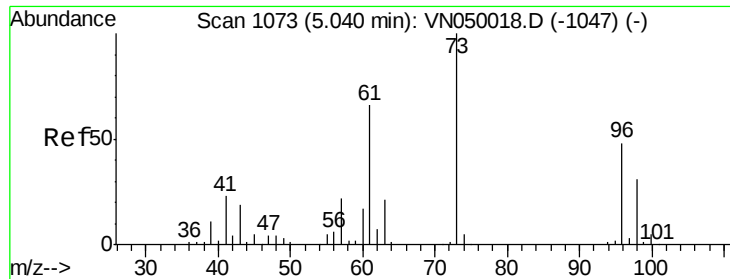
MMDadoda
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#20
Methylene Chloride
Concen: 33.98 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion: 84 Resp: 162696
Ion Ratio Lower Upper
84 100
49 118.8 94.8 142.2
51 35.8 28.3 42.5
86 66.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 31.97 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 96 Resp: 149371

Ion Ratio Lower Upper

96 100

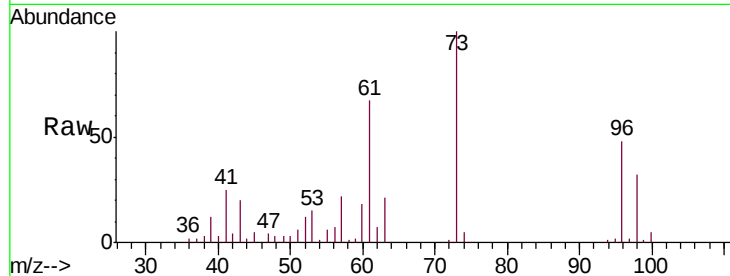
61 139.7 110.7 166.1

98 66.9 51.6 77.4

Manual Integrations
APPROVED

MMDadoda

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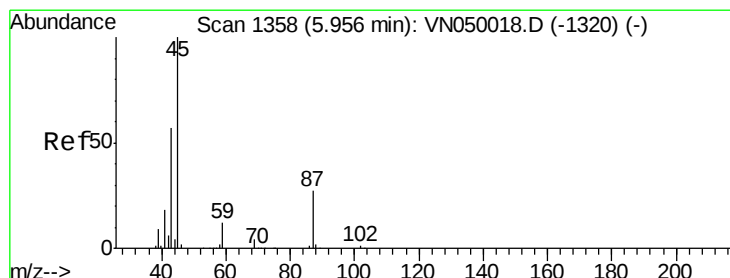
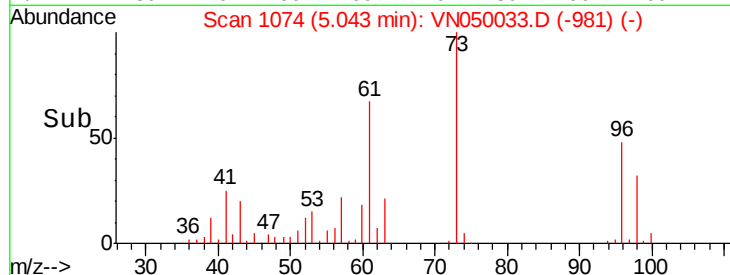
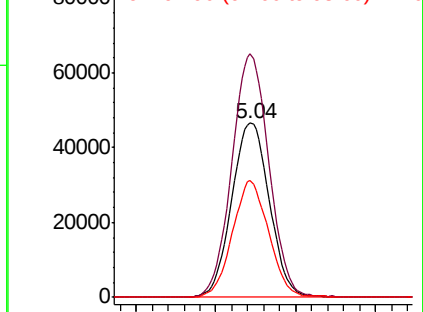


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 33.79 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Tgt Ion: 45 Resp: 458043

Ion Ratio Lower Upper

45 100

43 61.6 45.7 68.5

87 28.5 22.7 34.1

59 12.7 9.5 14.3

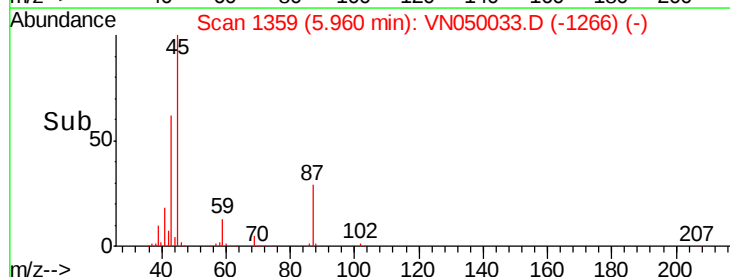
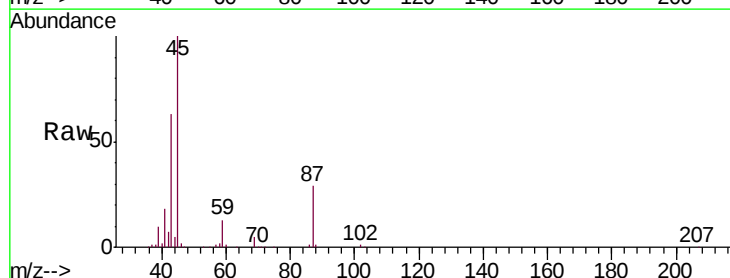
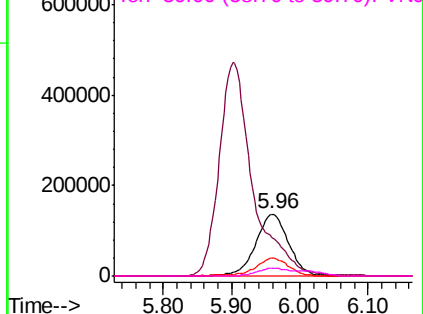
Abundance

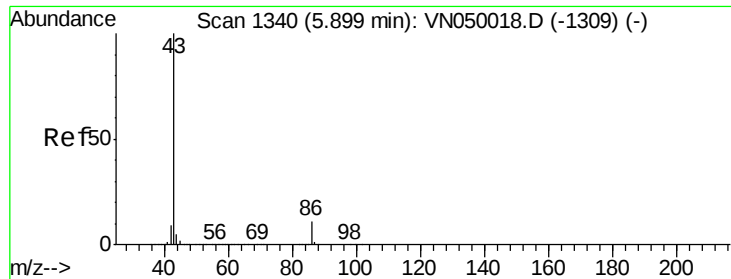
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





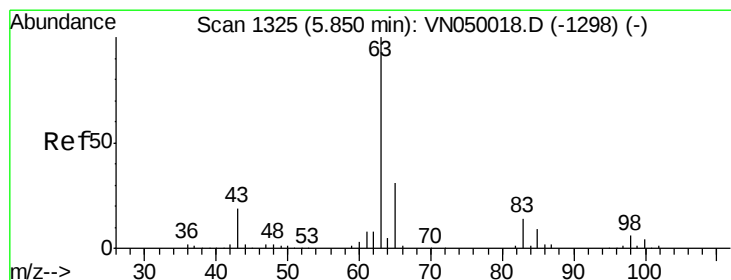
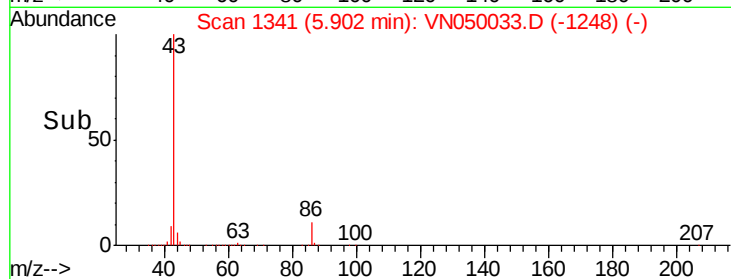
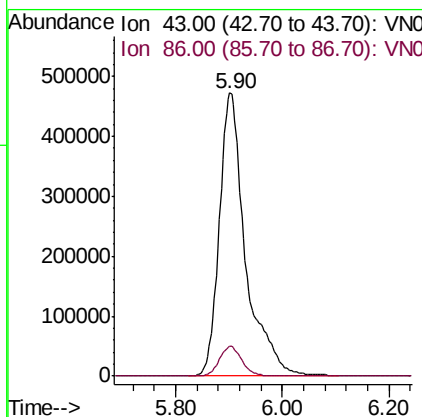
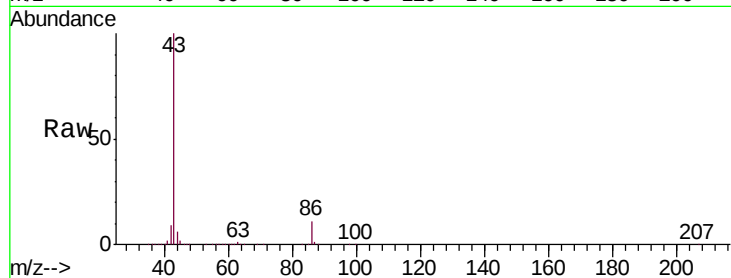
#23
 Vinyl Acetate
 Concen: 169.09 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0724WBSD01

Tot Ion: 43 Resp: 1619710
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0

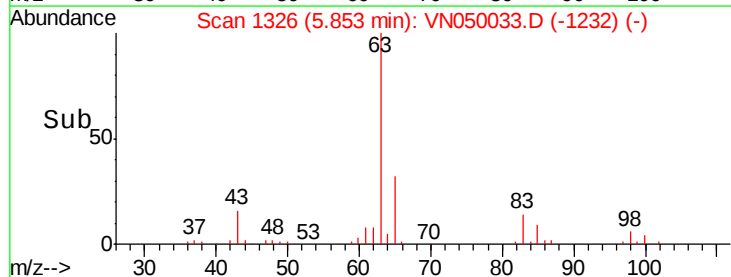
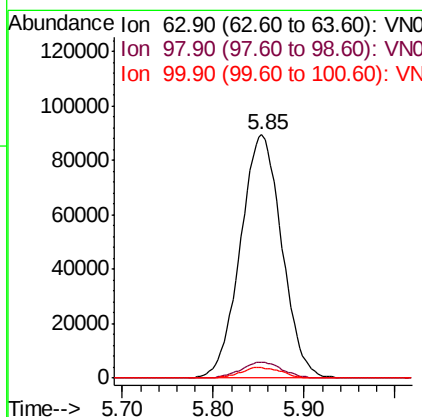
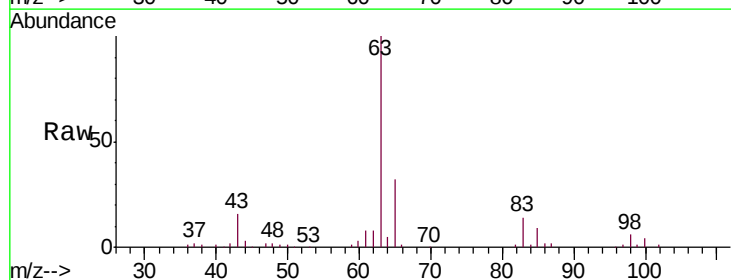
Manual Integrations
 APPROVED

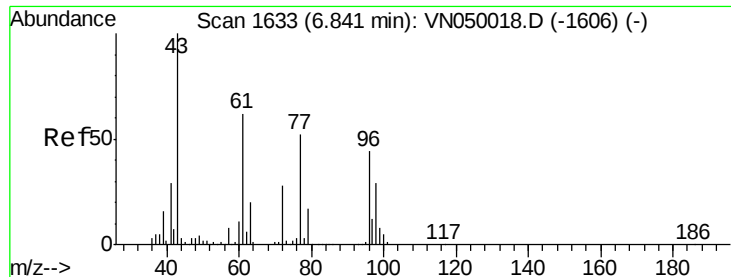
MMDadoda
 7/26/2018 1:51:30 PM



#24
 1,1-Dichloroethane
 Concen: 31.88 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion: 63 Resp: 282576
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 172.44 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 43 Resp: 351037

Ion Ratio Lower Upper

43 100

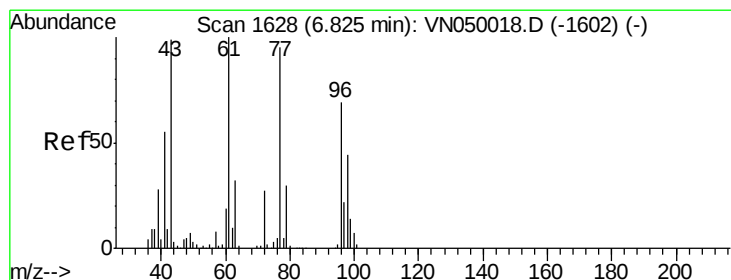
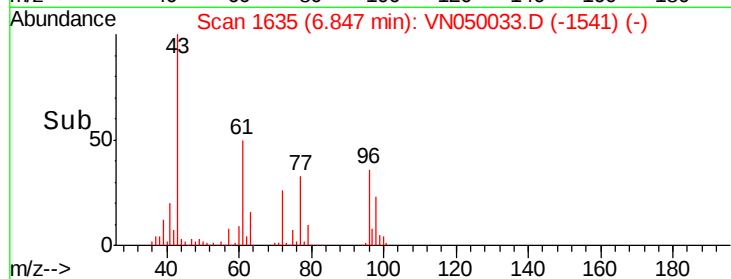
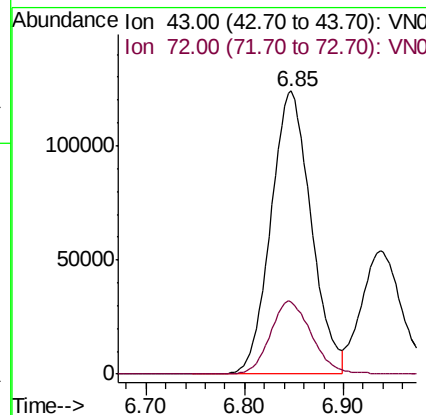
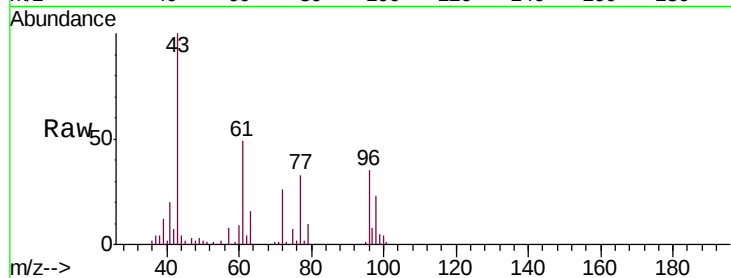
72 25.5 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 27.88 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050033.D

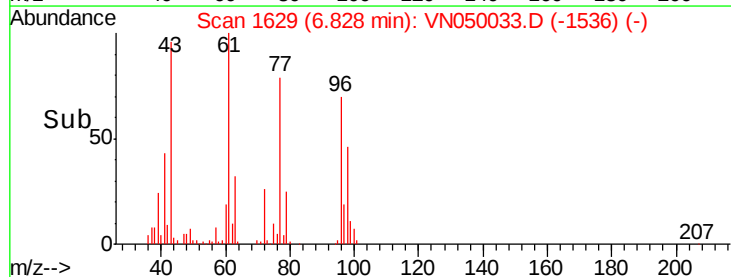
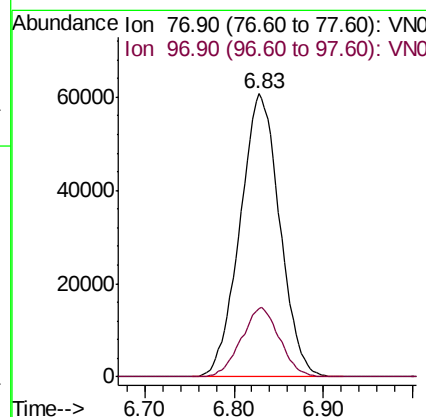
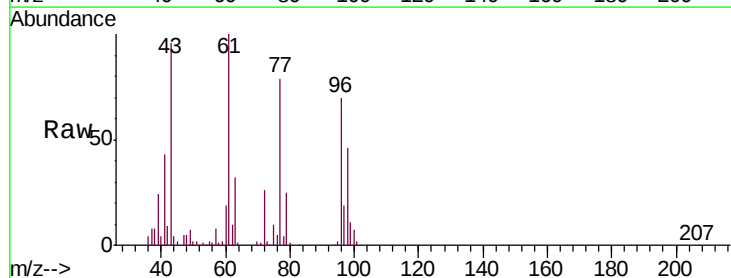
Acq: 24 Jul 2018 20:28

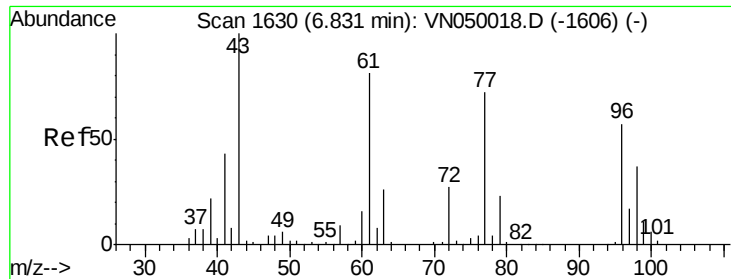
Tgt Ion: 77 Resp: 187972

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 32.17 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 96 Resp: 161782

Ion Ratio Lower Upper

96 100

61 143.0 0.0 285.0

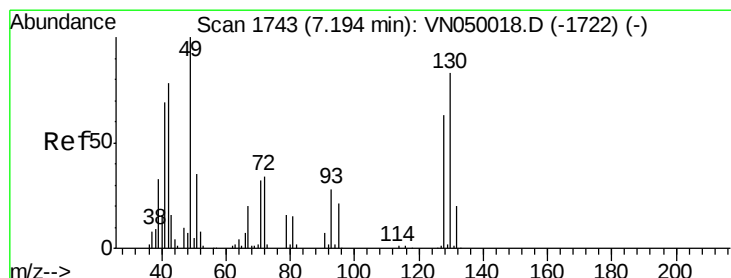
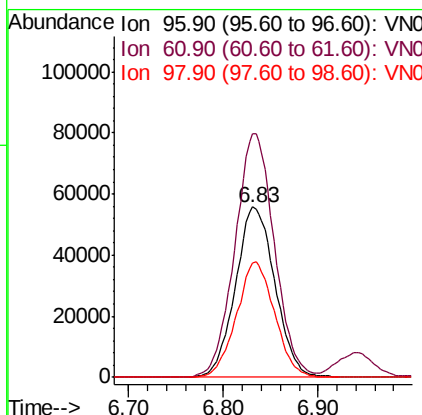
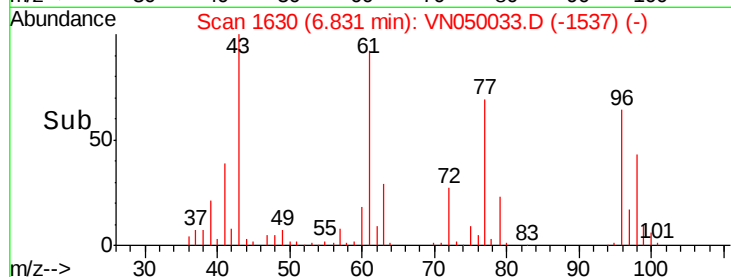
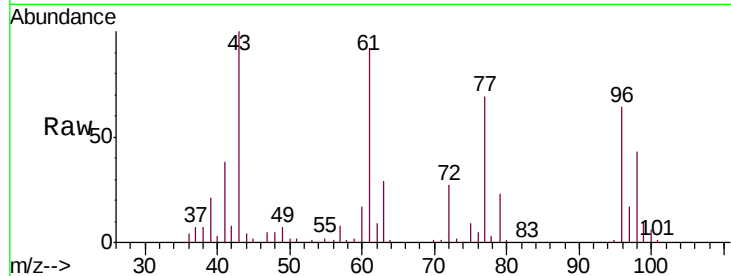
98 65.6 0.0 129.2

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#28

Bromochloromethane

Concen: 32.13 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

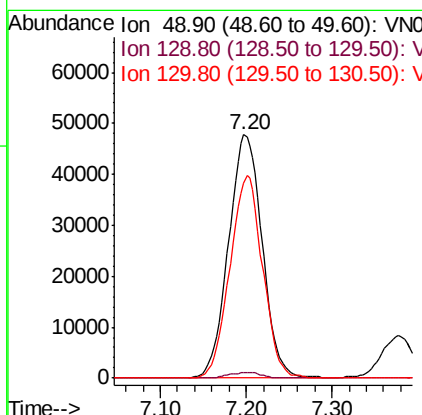
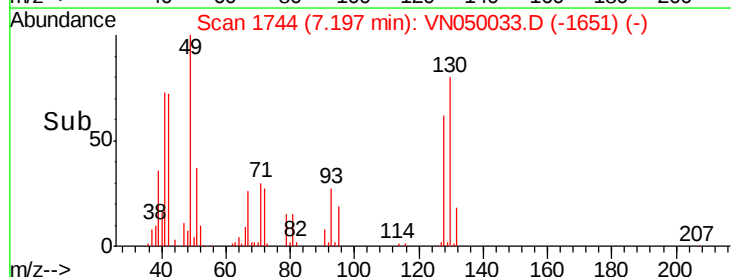
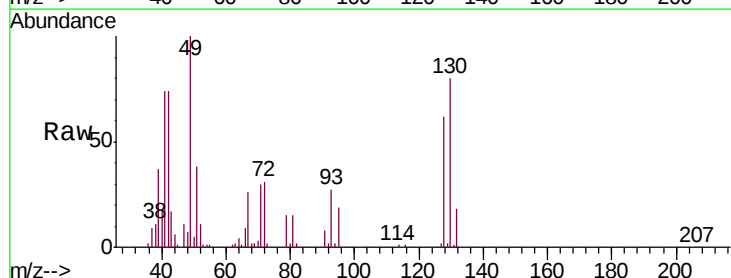
Tgt Ion: 49 Resp: 129895

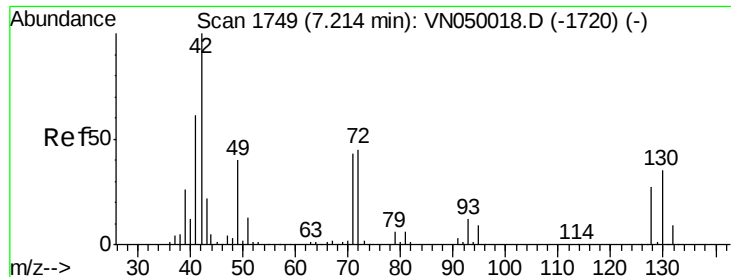
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 80.8 66.3 99.5





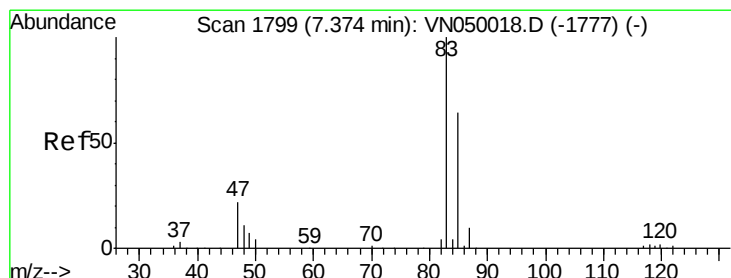
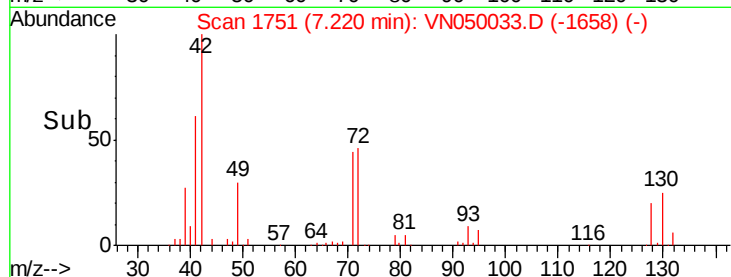
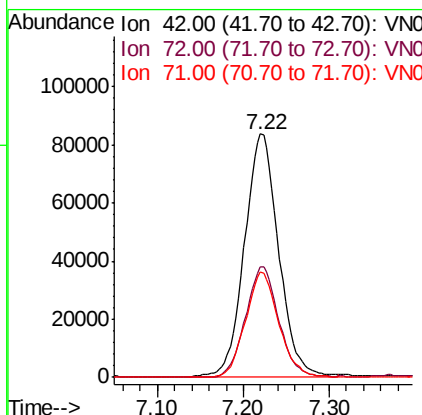
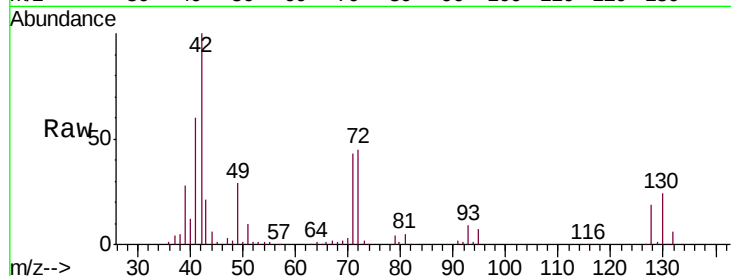
#29
Tetrahydrofuran
Concen: 174.66 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.9	53.9
71	42.5	33.7	50.5

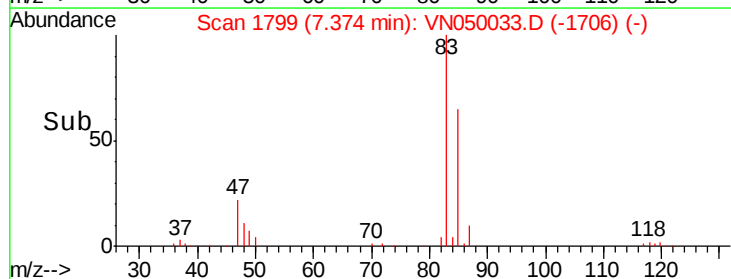
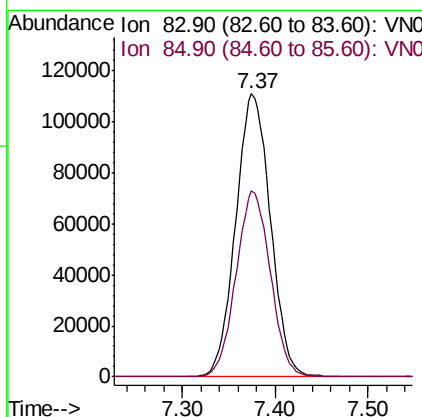
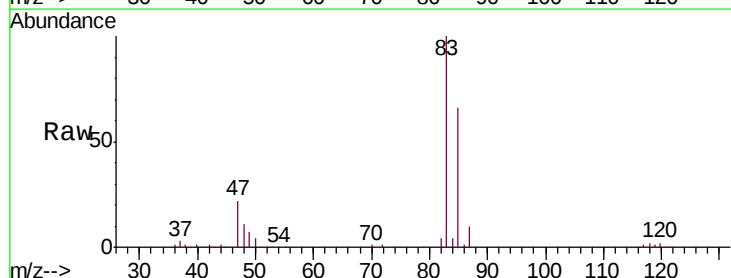
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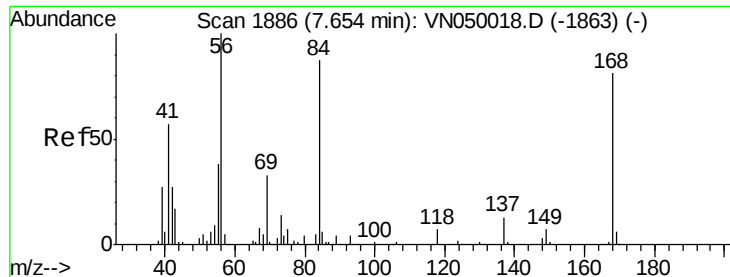
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#30
Chloroform
Concen: 31.89 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





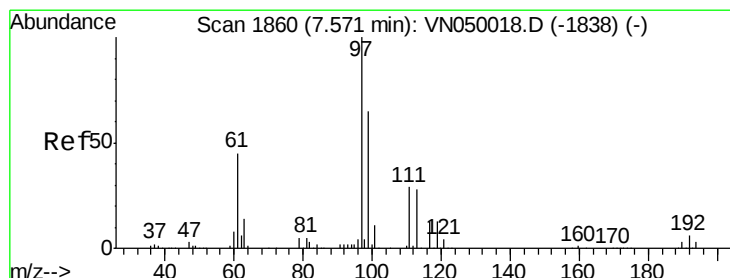
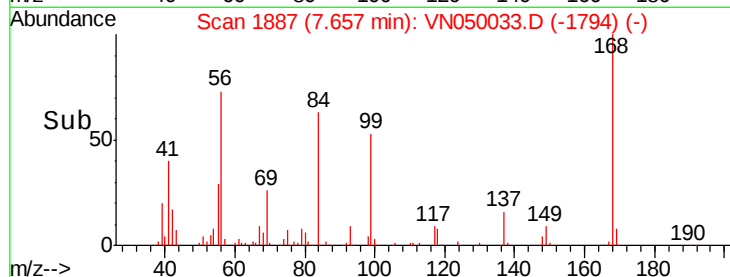
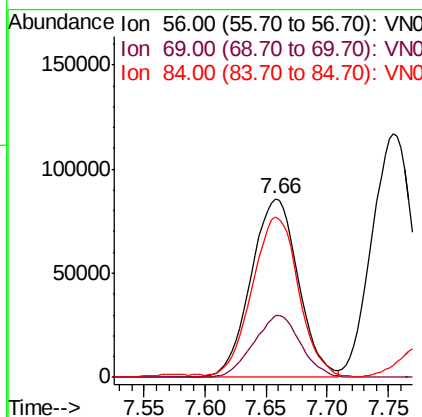
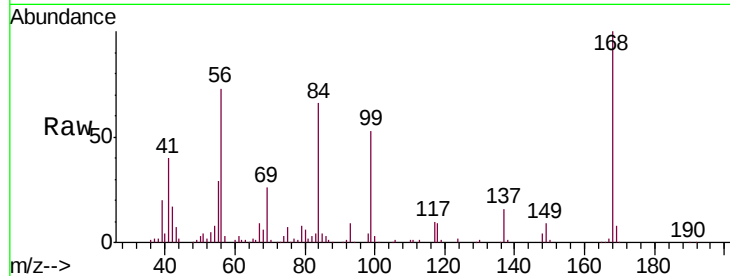
#31
Cyclohexane
Concen: 31.44 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.2	39.4
84	88.3	67.4	101.0

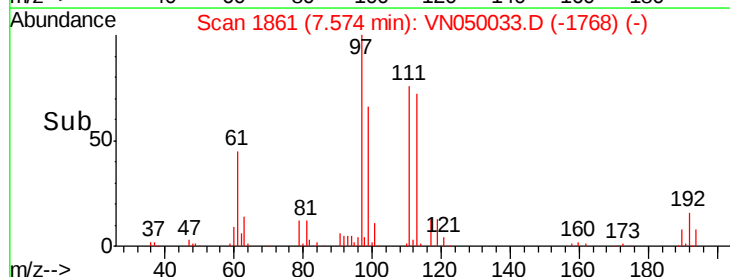
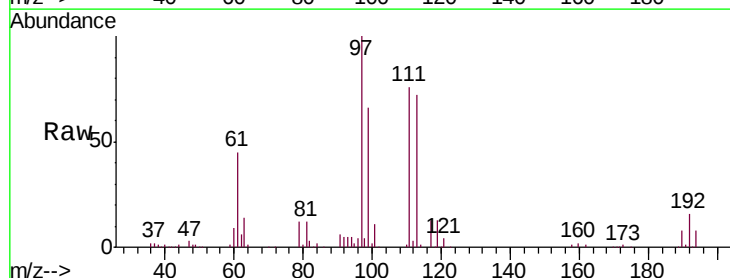
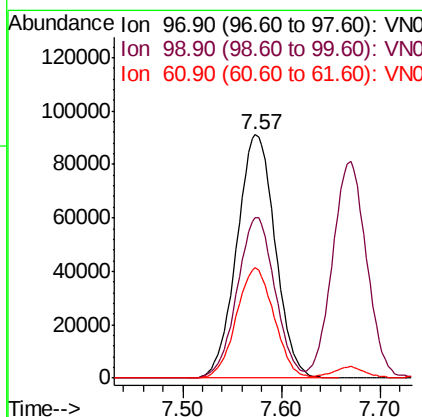
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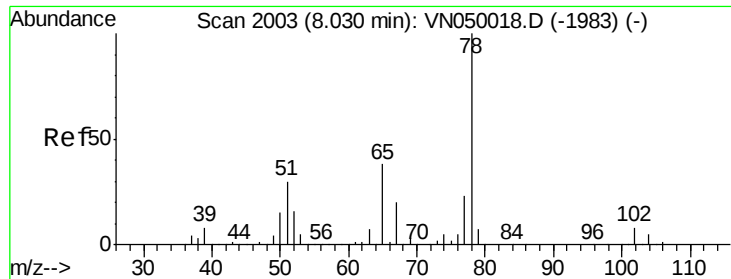
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#32
1,1,1-Trichloroethane
Concen: 31.69 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	44.7	35.4	53.0





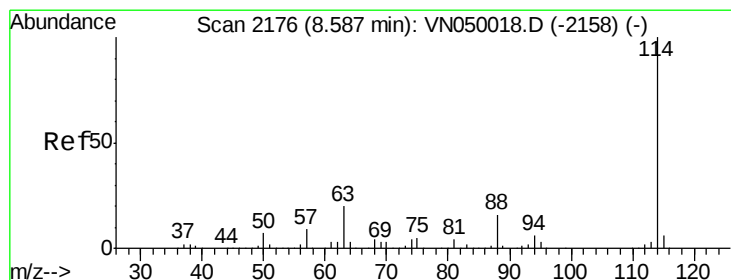
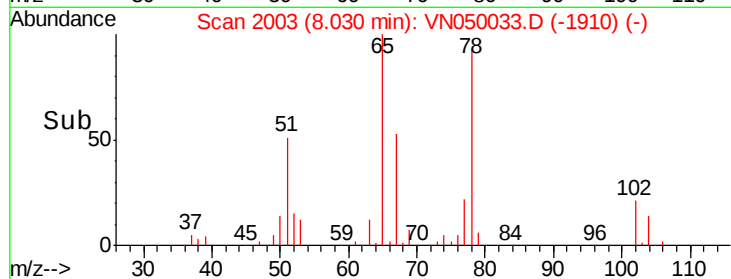
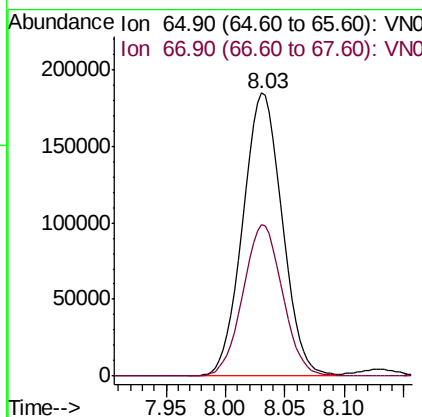
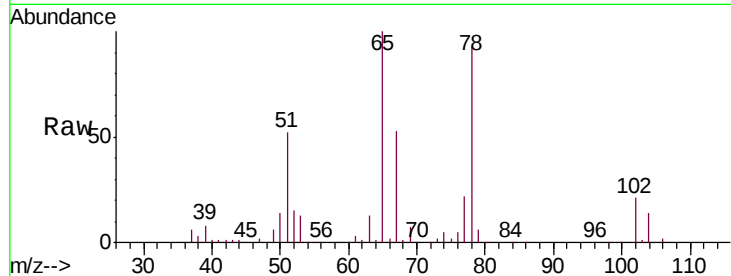
#33
 1,2-Dichloroethane-d4
 Concen: 79.61 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.4

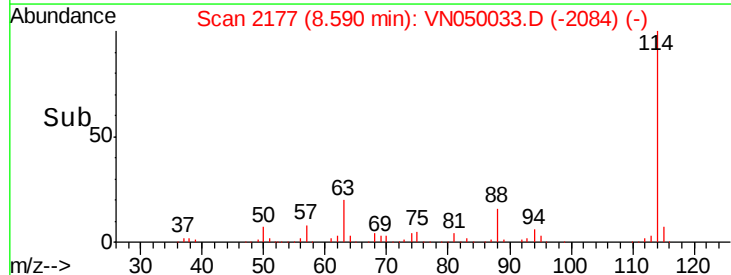
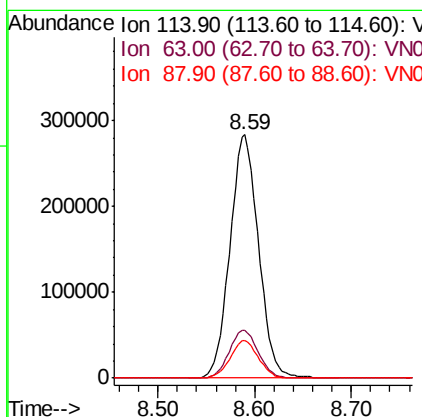
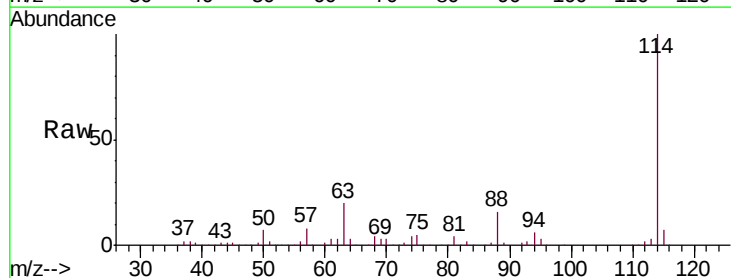
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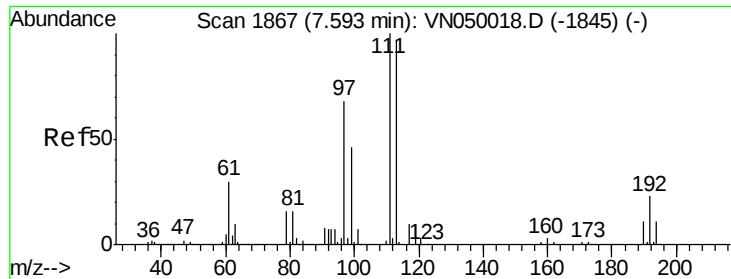
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.5	0.0	31.2





#35

Dibromofluoromethane

Concen: 77.86 ug/l

RT: 7.60 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

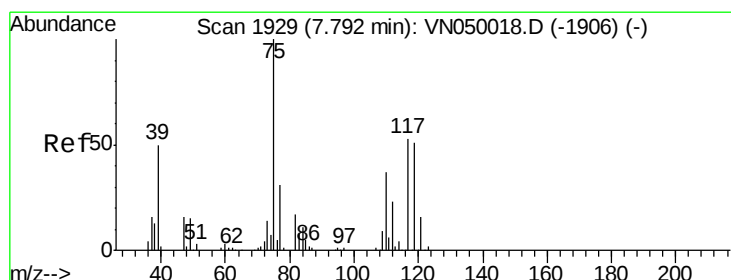
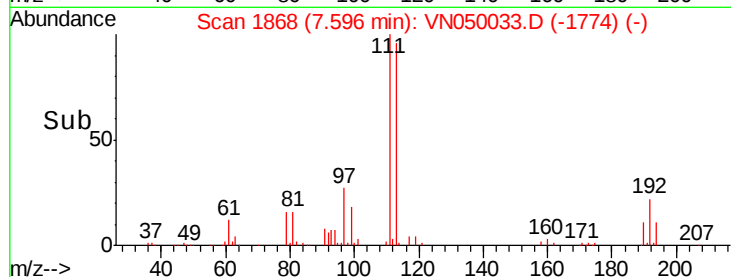
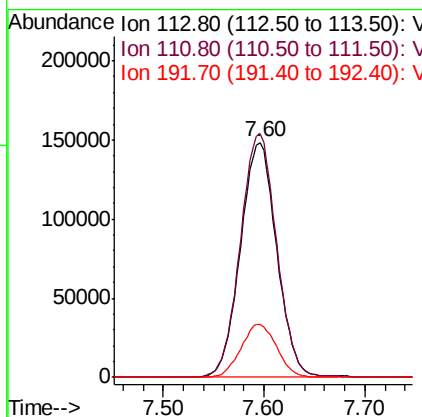
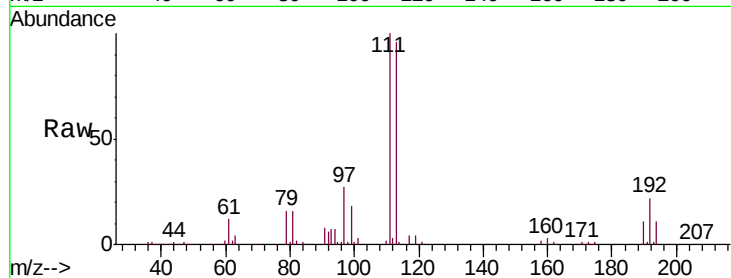
ClientSampleId :

VN0724WBSD01

Tot Ion:	113	Resp:	369981
Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.7	121.1
192	22.4	17.8	26.6

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#36

1,1-Dichloropropene

Concen: 31.36 ug/l

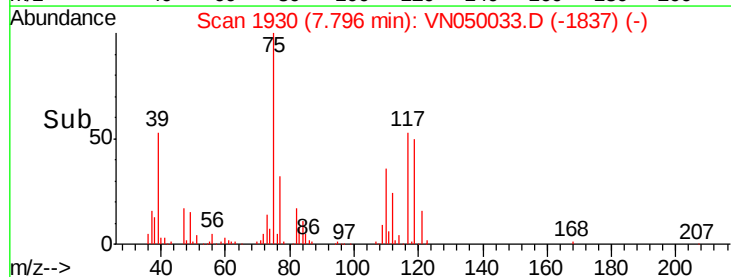
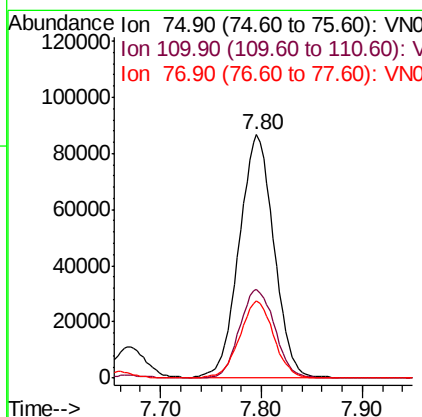
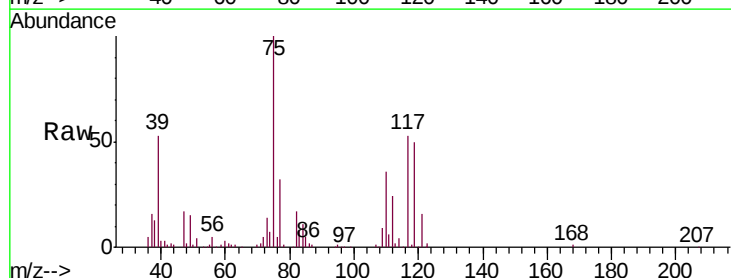
RT: 7.80 min Scan# 1930

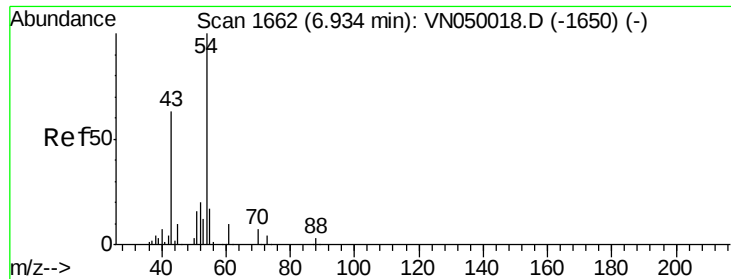
Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Tgt Ion:	75	Resp:	205623
Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.4	55.2
77	31.4	25.3	37.9





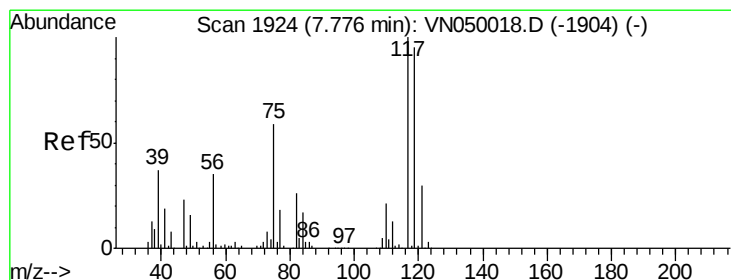
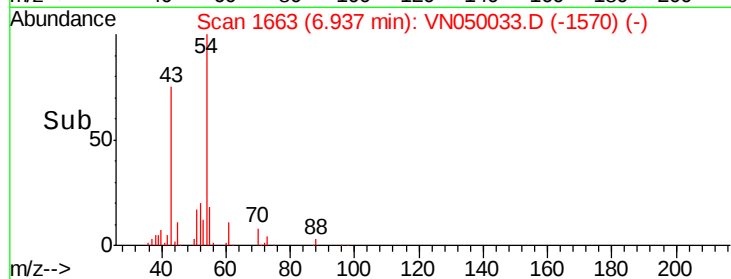
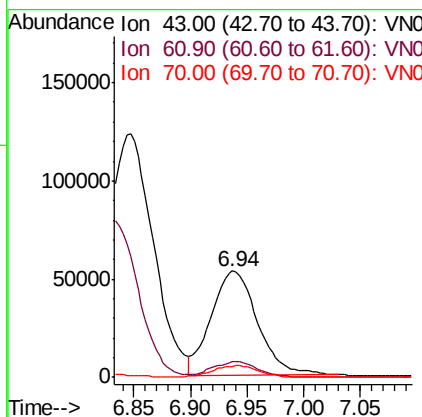
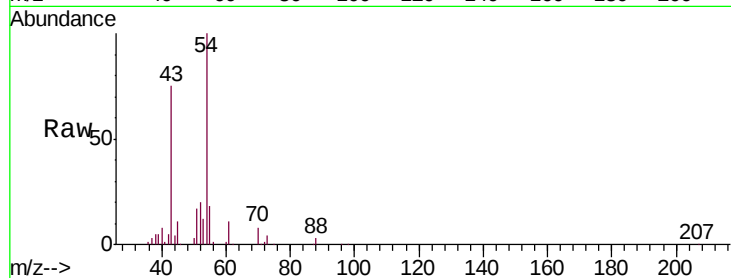
#37
Ethyl Acetate
Concen: 33.35 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	43	Resp	152461
Ion Ratio	100	Lower	Upper
43	100		
61	14.2	11.8	17.8
70	10.4	8.4	12.6

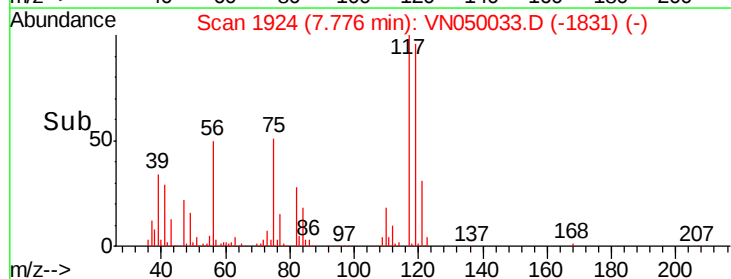
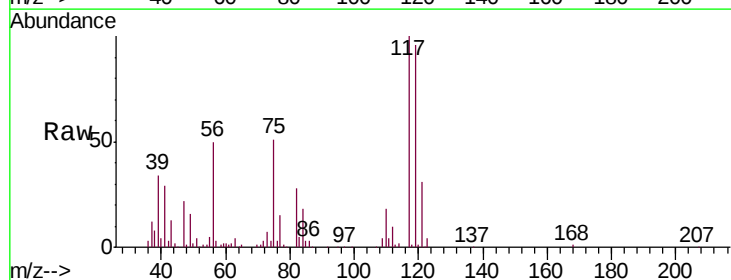
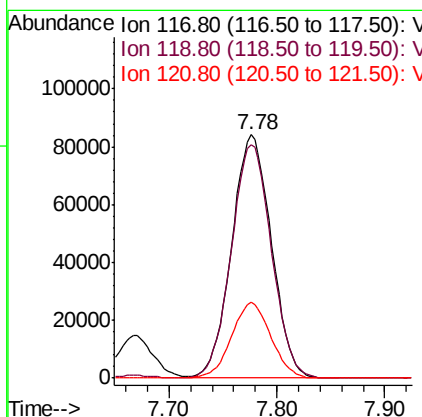
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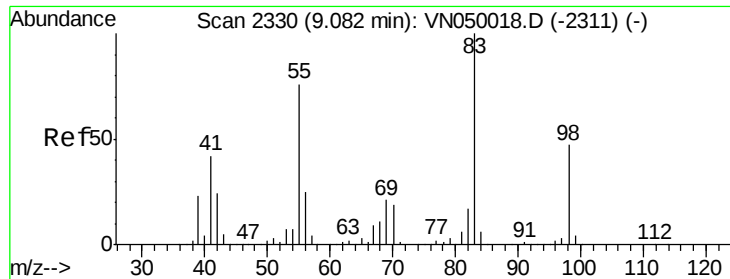
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#38
Carbon Tetrachloride
Concen: 30.96 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	117	Resp	215402
Ion Ratio	100	Lower	Upper
117	100		
119	95.8	77.4	116.0
121	31.1	23.9	35.9





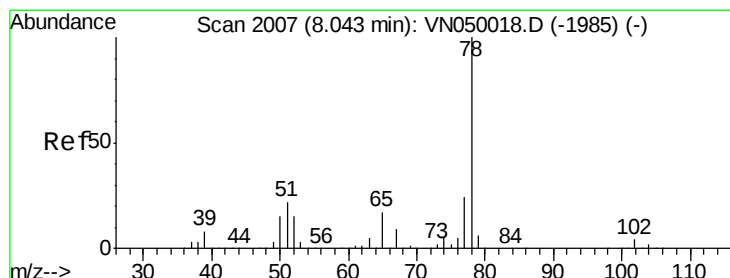
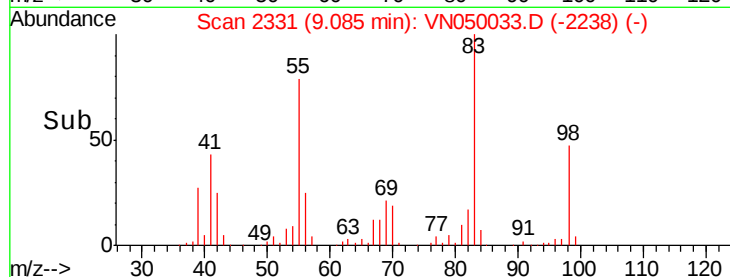
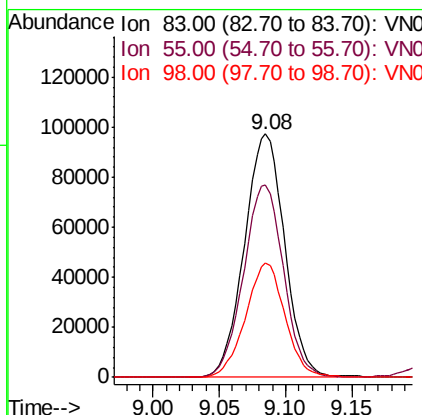
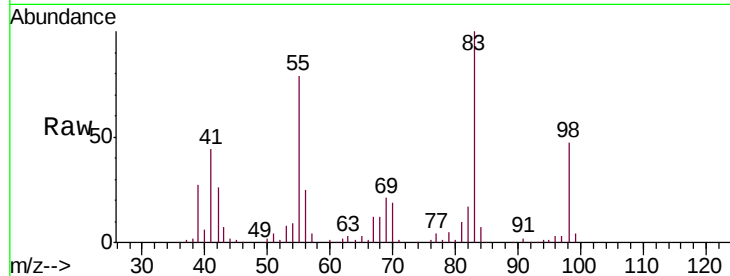
#39
Methvlcvclohexane
Concen: 30.49 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	205631		
55	79.1		61.8	92.8
98	47.1		36.5	54.7

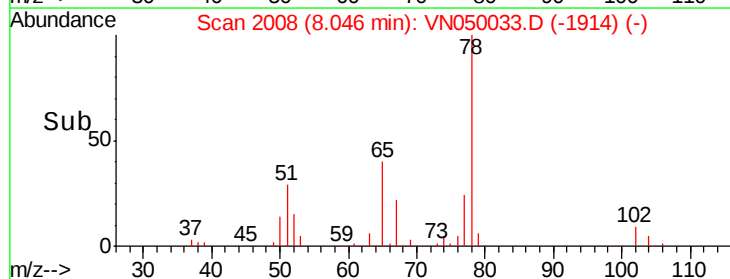
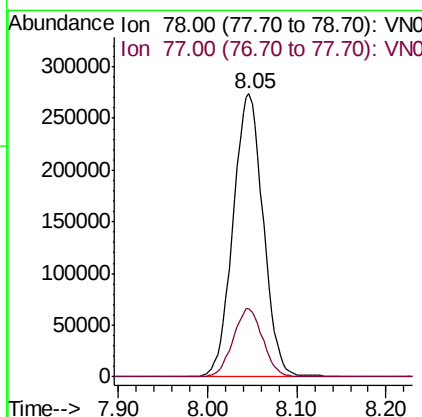
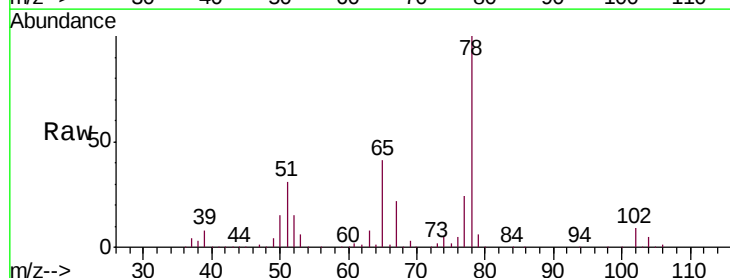
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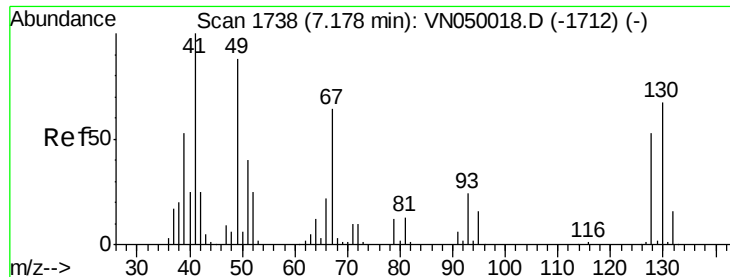
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#40
Benzene
Concen: 32.17 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	641937		
77	24.2		18.7	28.1





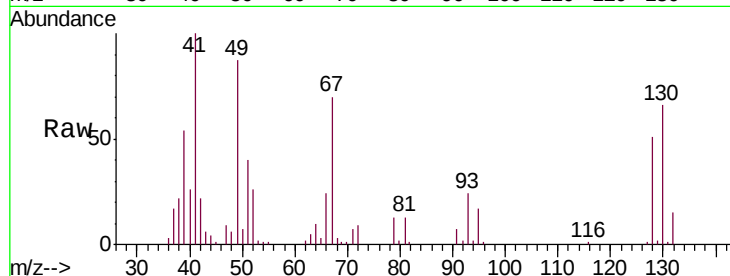
#41
Methacrylonitrile
Concen: 33.53 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	55.8	83.6#
67	87.7	84.3	126.5
52	36.3	34.2	51.2

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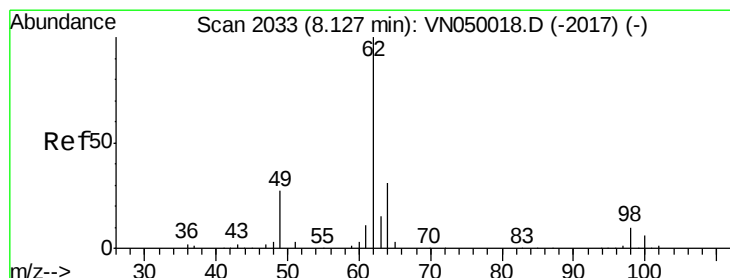
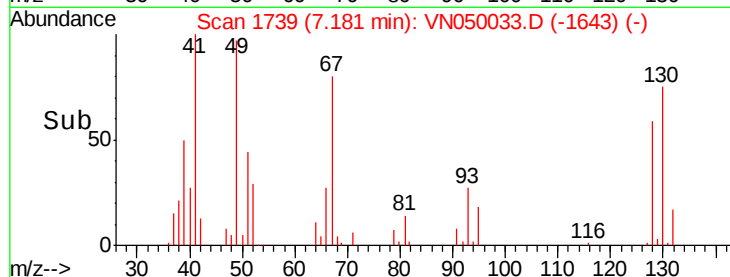
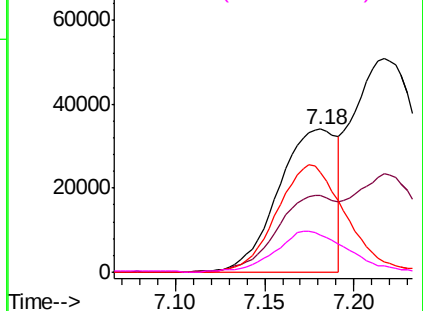
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

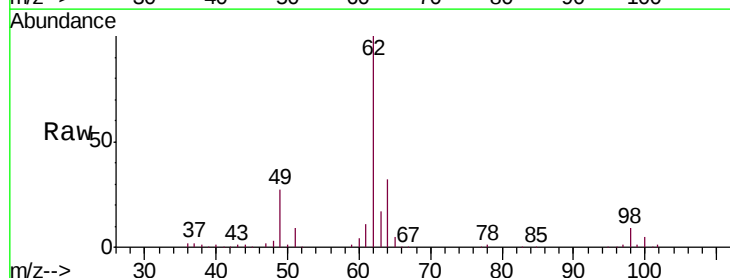
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 32.07 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

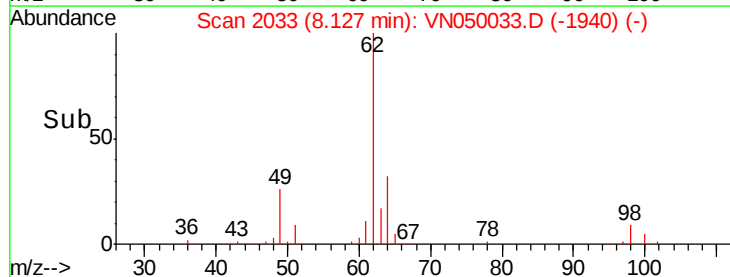
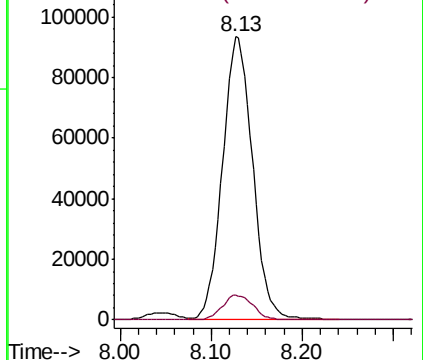
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8

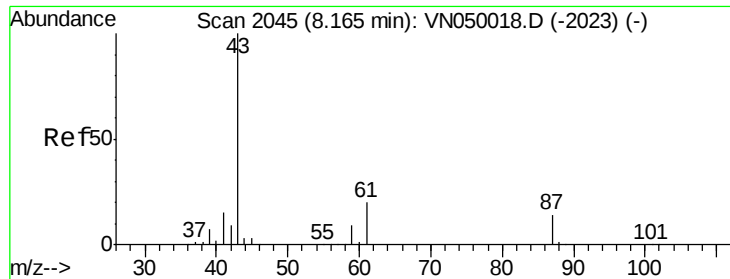


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 40.23 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 43 Resp: 348474

Ion Ratio Lower Upper

43 100

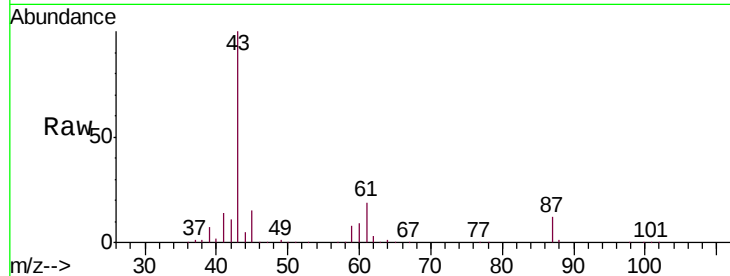
61 15.3 15.8 23.6#

87 10.3 10.3 15.5#

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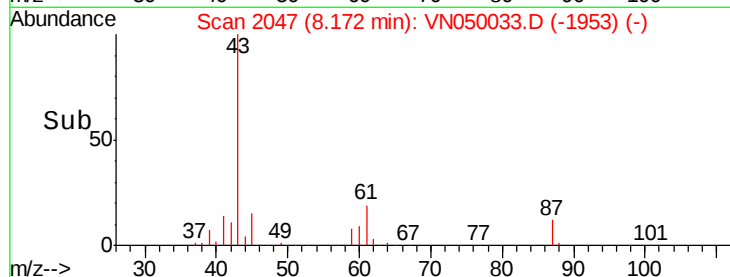


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

Time-->



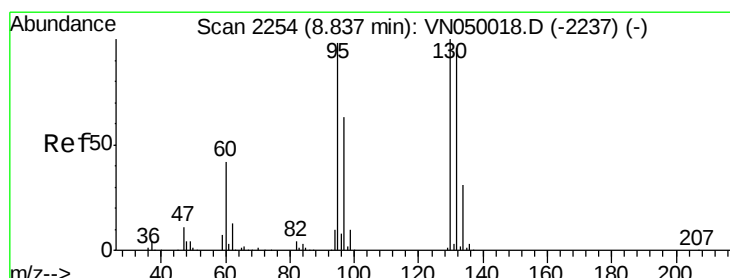
Abundance

Ion 43.00 (42.70 to 43.70): VN050033.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN050033.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN050033.D (-1953) (-)

Time-->



#44

Trichloroethene

Concen: 30.98 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050033.D

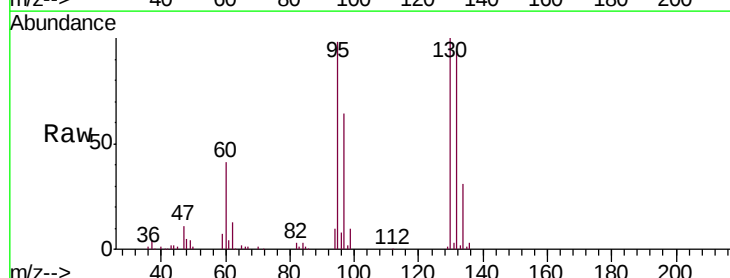
Acq: 24 Jul 2018 20:28

Tgt Ion:130 Resp: 166088

Ion Ratio Lower Upper

130 100

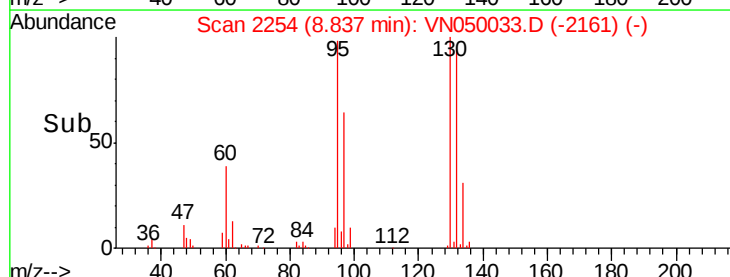
95 98.0 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

Time-->

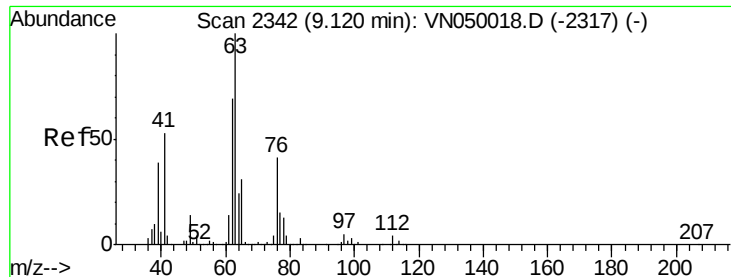


Abundance

Ion 129.80 (129.50 to 130.50): VN050033.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050033.D (-2161) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 32.34 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 63 Resp: 170881

Ion Ratio Lower Upper

63 100

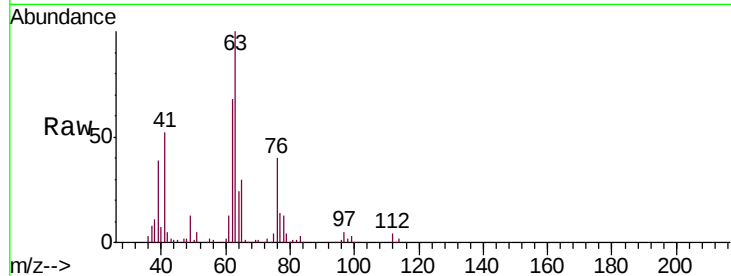
65 30.5 25.5 38.3

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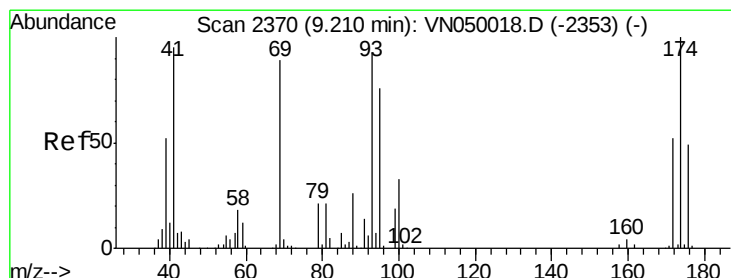
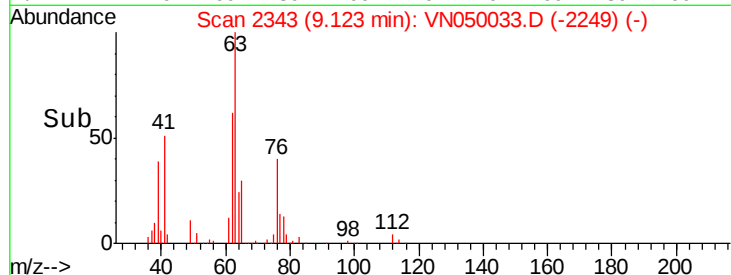
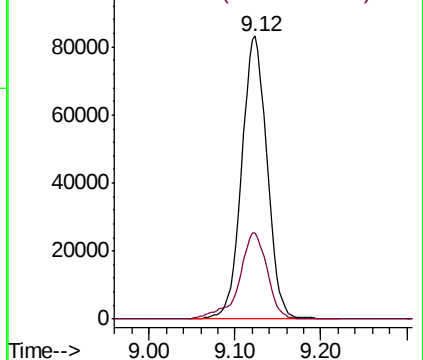
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 32.76 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

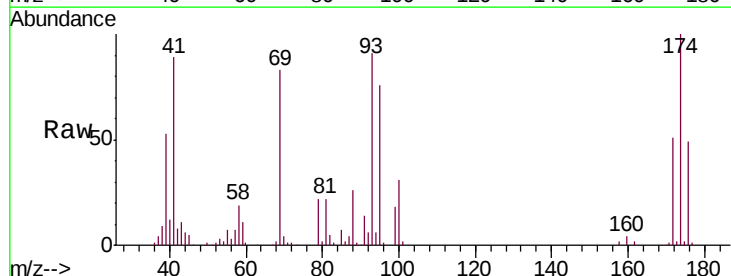
Tgt Ion: 93 Resp: 107497

Ion Ratio Lower Upper

93 100

95 83.0 66.6 100.0

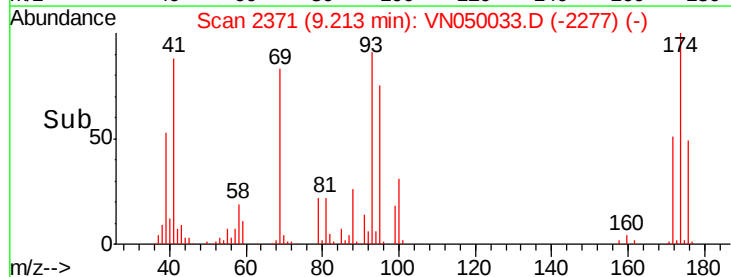
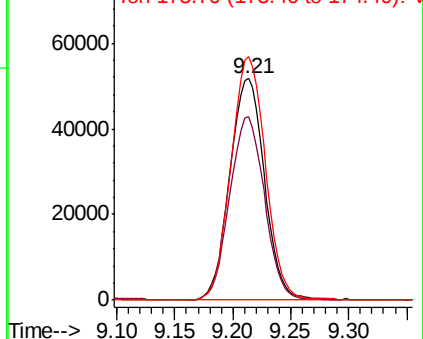
174 109.2 87.1 130.7

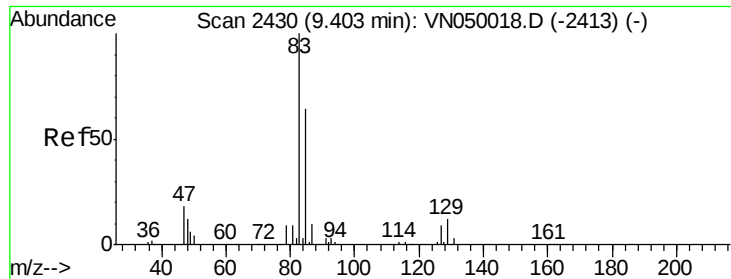


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





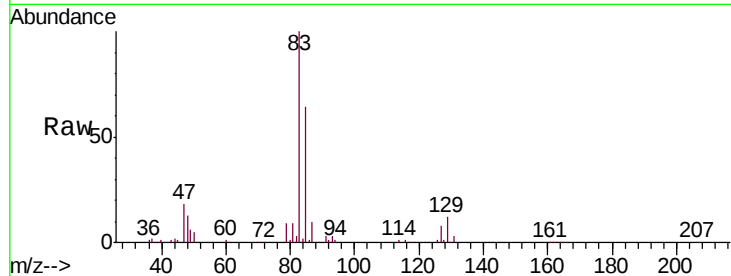
#47
Bromodichloromethane
Concen: 30.91 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

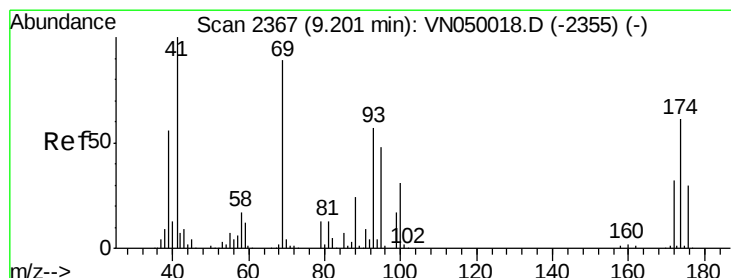
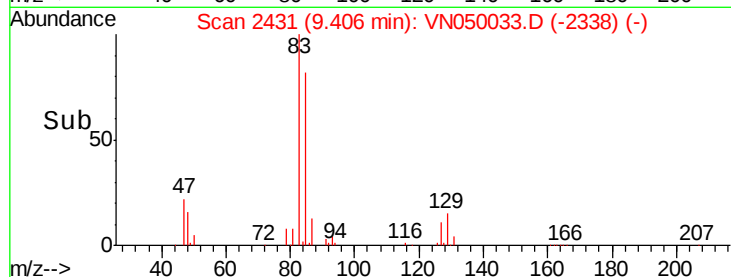
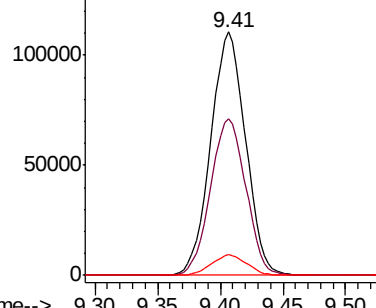
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	8.4	7.0	10.4

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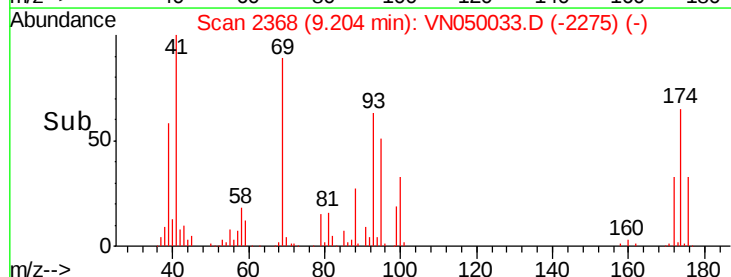
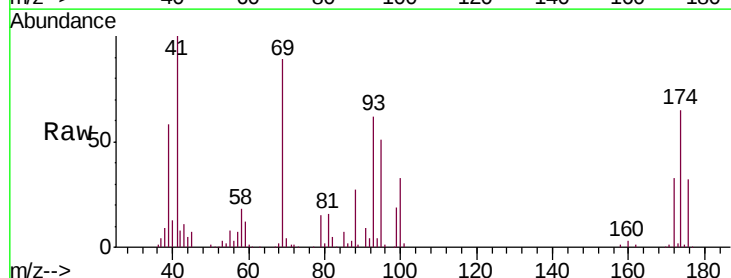
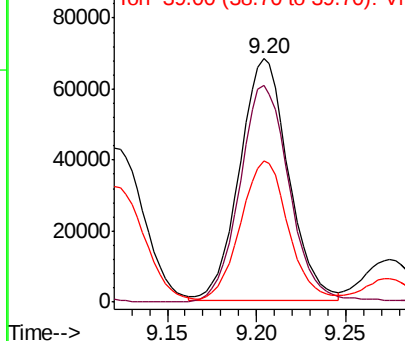
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

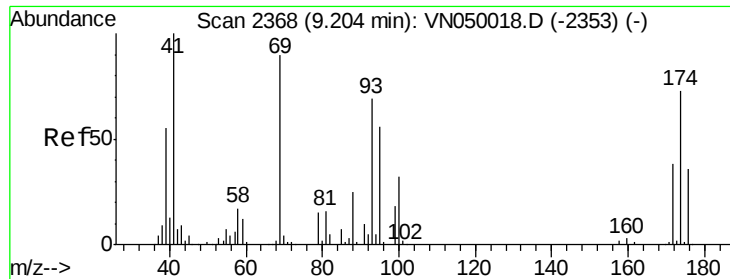


#48
Methyl methacrylate
Concen: 33.12 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.4	70.6	105.8
39	57.6	43.9	65.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





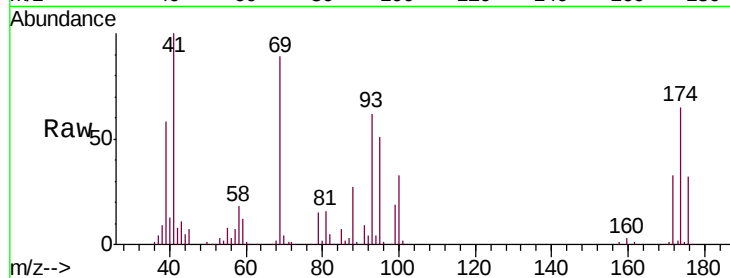
#49
 1,4-Dioxane
 Concen: 705.96 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

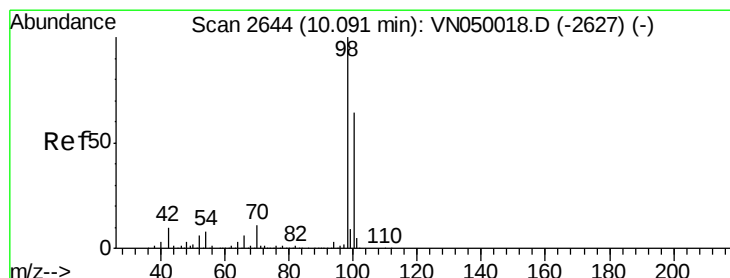
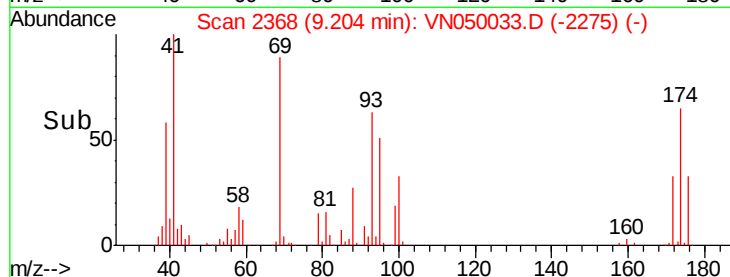
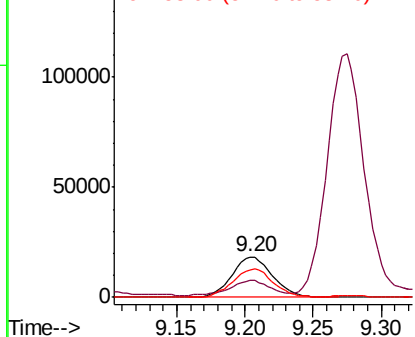
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.9	40.3
58	70.5	57.3	85.9

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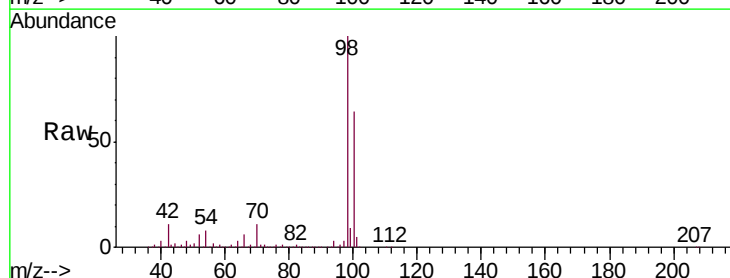


Abundance Ion 88.00 (87.70 to 88.70): VN050018.D (-2353) (-)
 Ion 43.00 (42.70 to 43.70): VN050018.D (-2353) (-)
 Ion 58.00 (57.70 to 58.70): VN050018.D (-2353) (-)

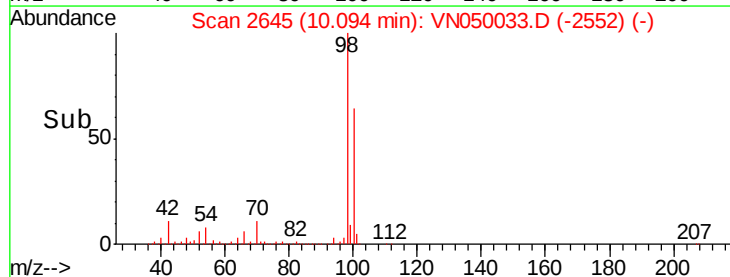
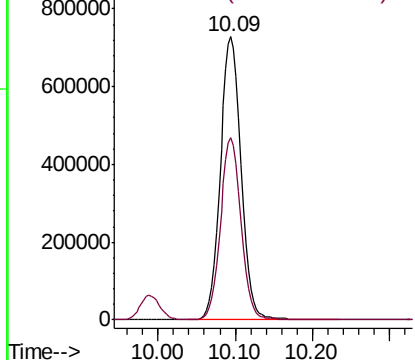


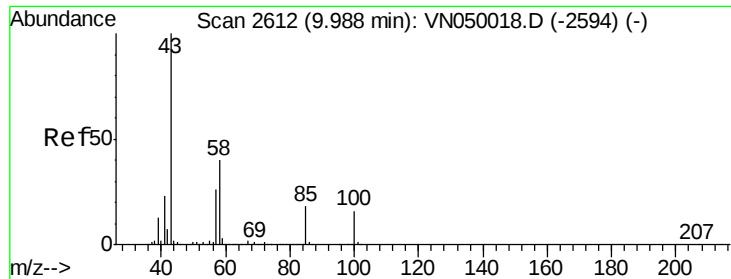
#50
 Toluene-d8
 Concen: 78.06 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)
 Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 174.53 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleID :

VN0724WBSD01

Tot Ion: 43 Resp: 784335

Ion Ratio Lower Upper

43 100

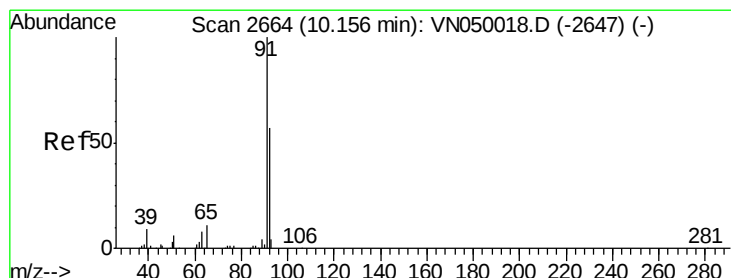
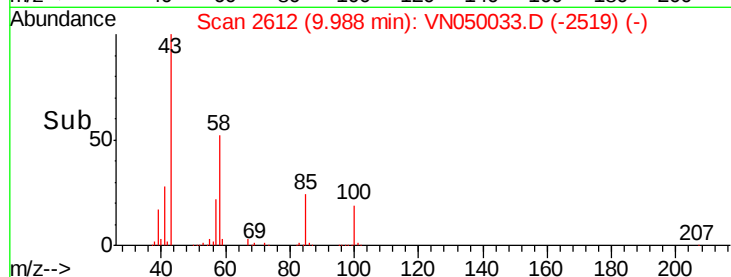
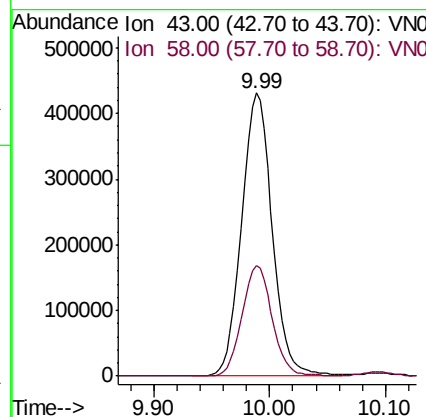
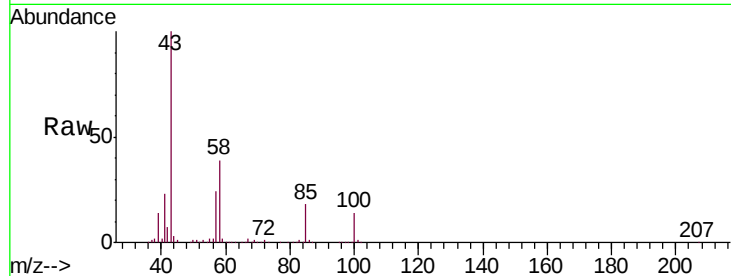
58 38.8 31.9 47.9

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#52

Toluene

Concen: 33.25 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050033.D

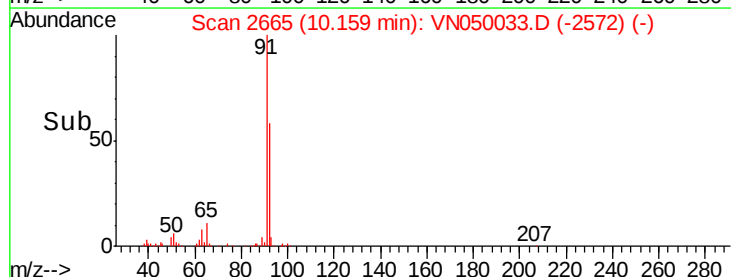
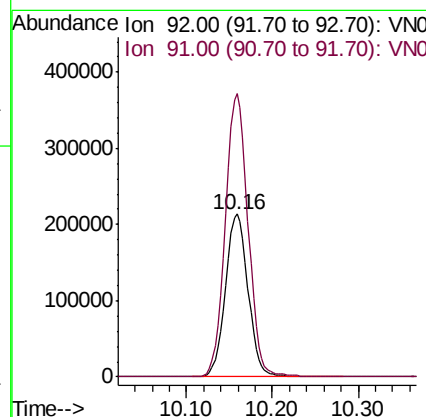
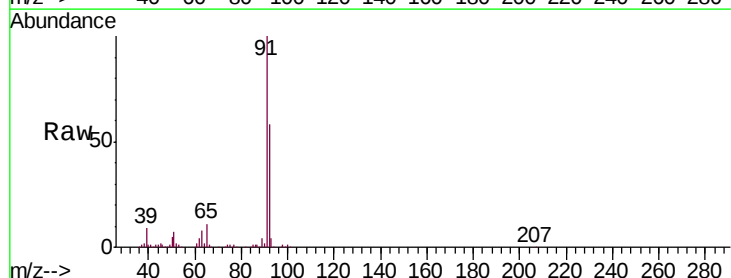
Acq: 24 Jul 2018 20:28

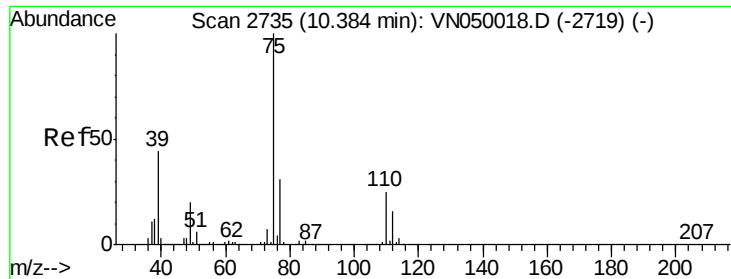
Tgt Ion: 92 Resp: 391574

Ion Ratio Lower Upper

92 100

91 175.1 140.3 210.5





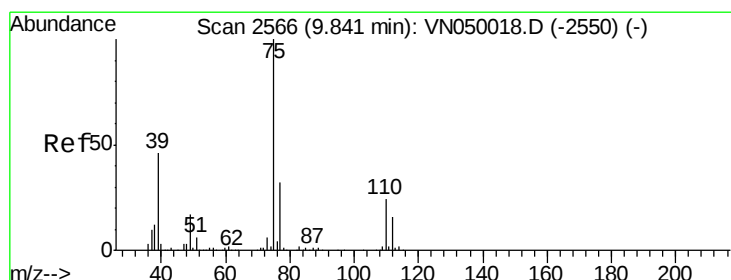
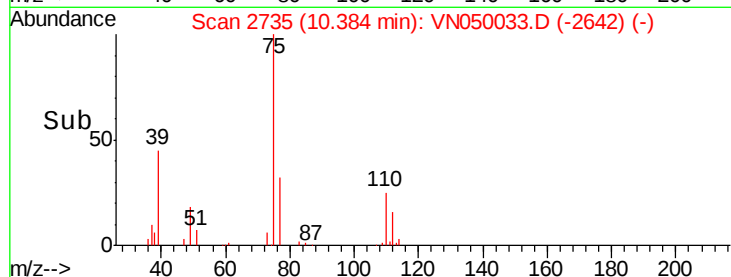
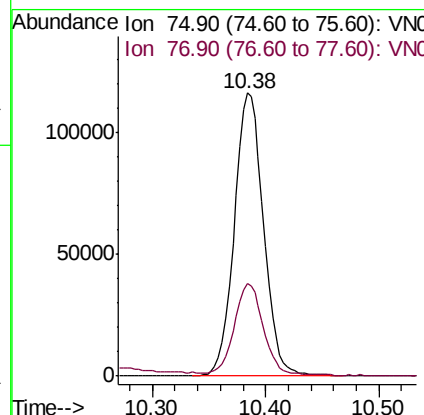
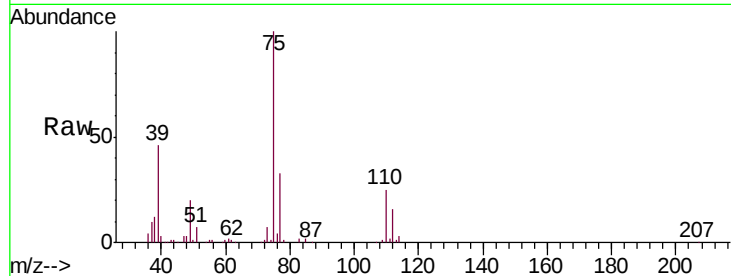
#53
t-1,3-Dichloropropene
Concen: 31.97 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3

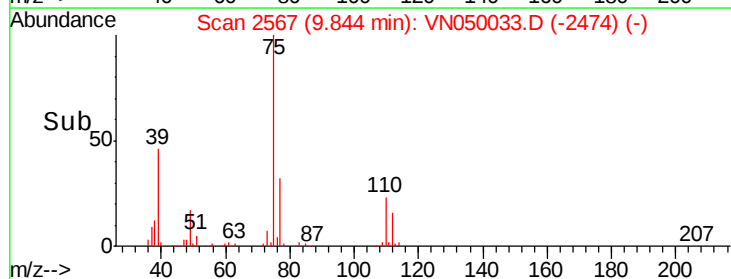
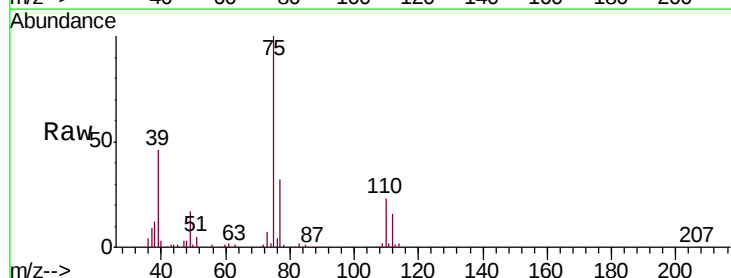
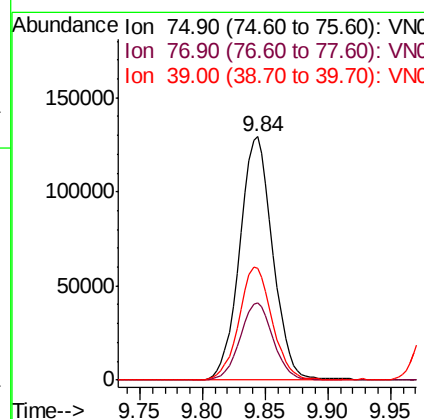
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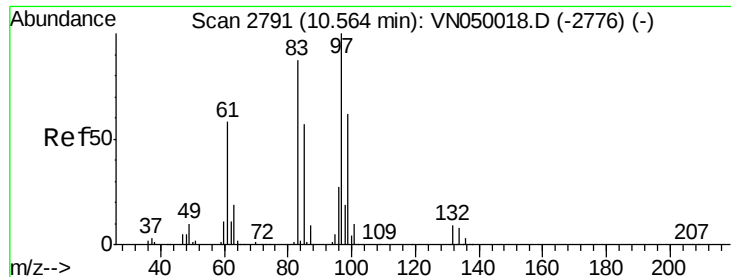
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#54
cis-1,3-Dichloropropene
Concen: 31.66 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	45.9	36.6	55.0





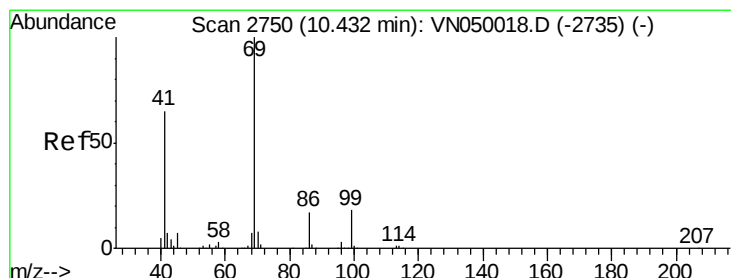
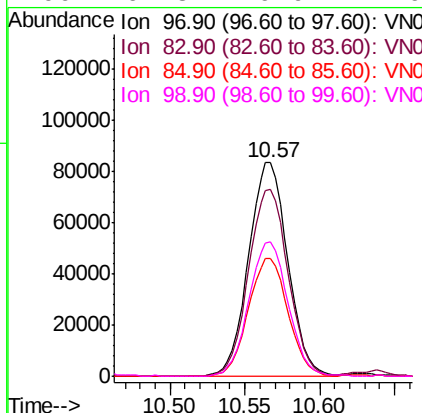
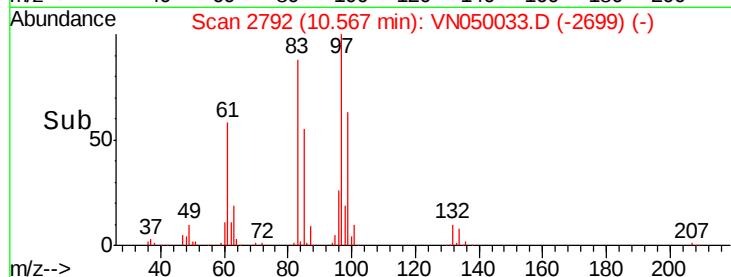
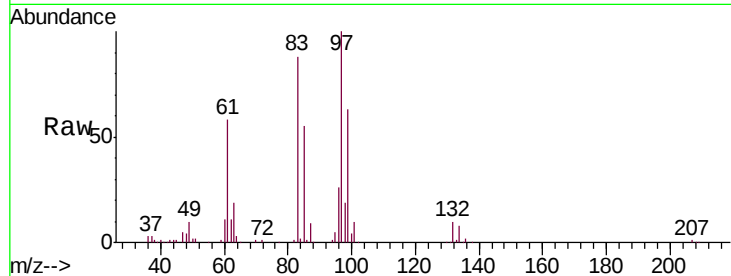
#55
 1,1,2-Trichloroethane
 Concen: 32.57 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		152155		
83	87.7	69.2	103.8		
85	55.3	44.0	66.0		
99	62.8	49.9	74.9		

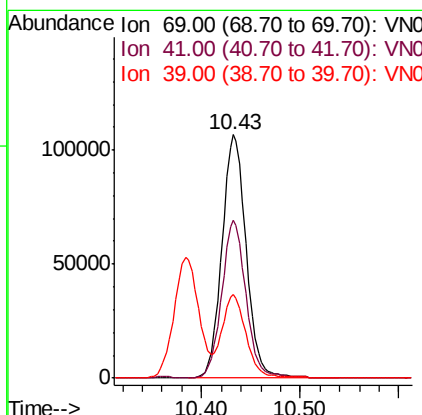
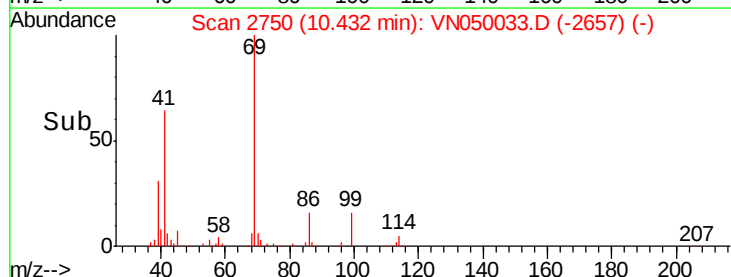
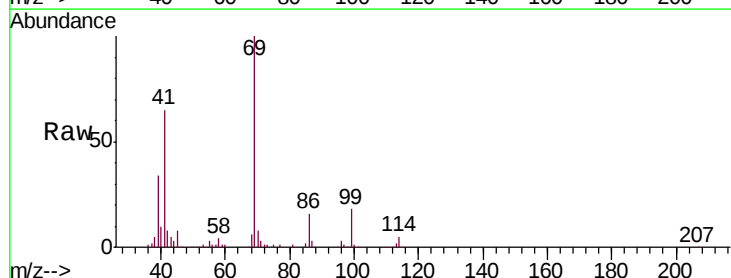
Manual Integrations
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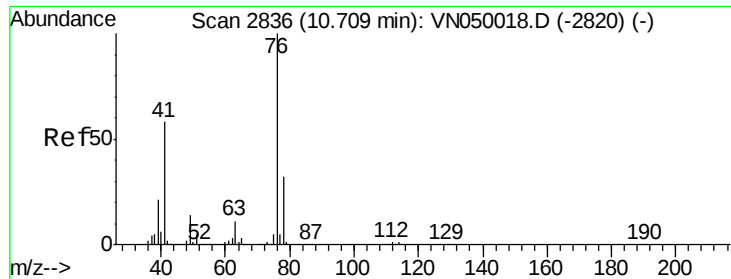
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#56
 Ethyl methacrylate
 Concen: 30.02 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		184646		
41	63.3	51.0	76.4		
39	33.5	26.6	40.0		





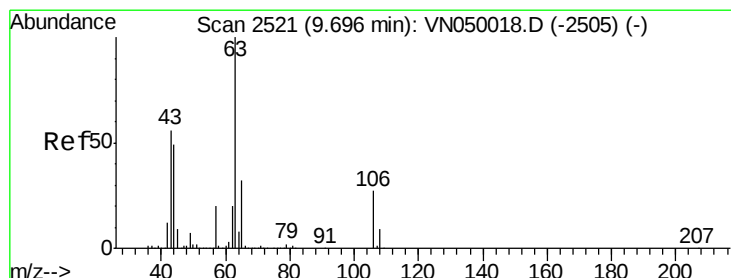
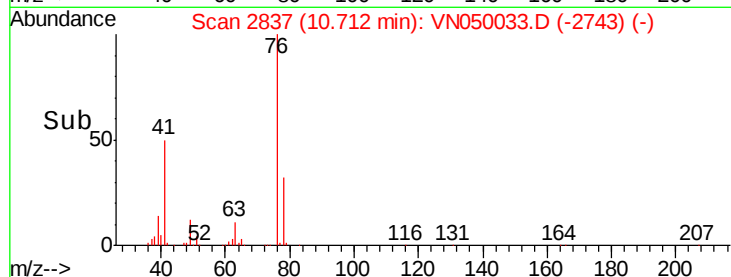
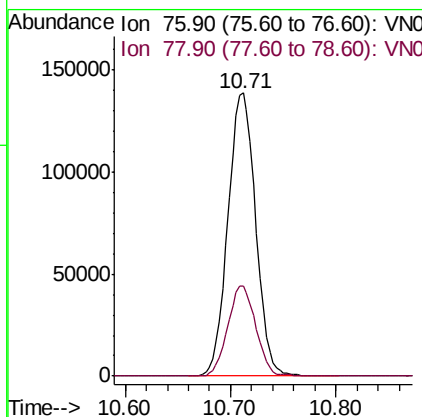
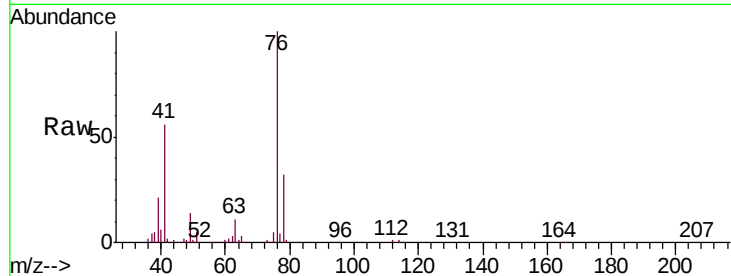
#57
 1,3-Dichloropropane
 Concen: 33.14 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion: 76 Resp: 252117
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

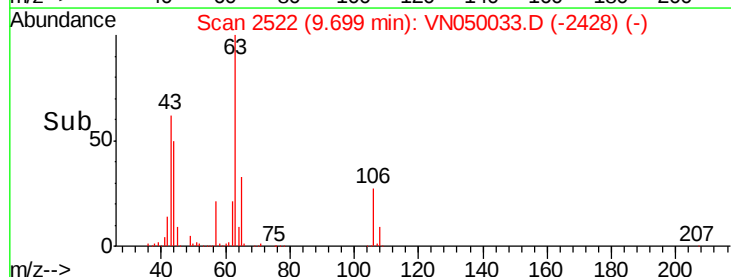
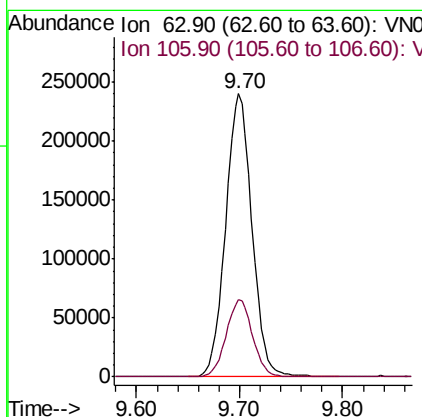
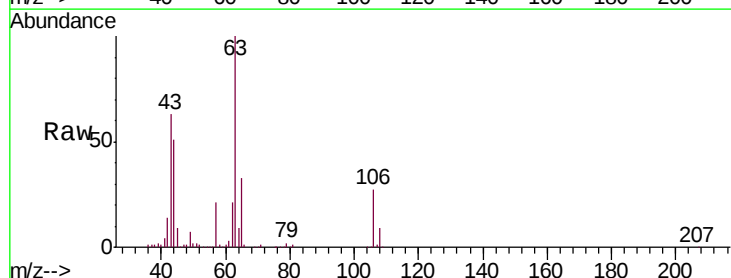
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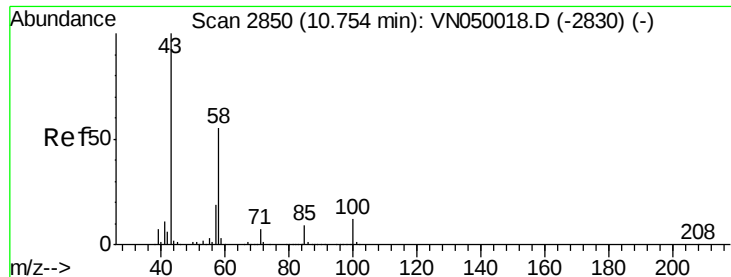
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 148.47 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion: 63 Resp: 428333
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.7 32.5





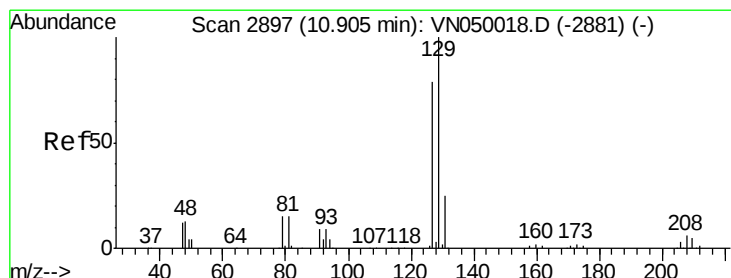
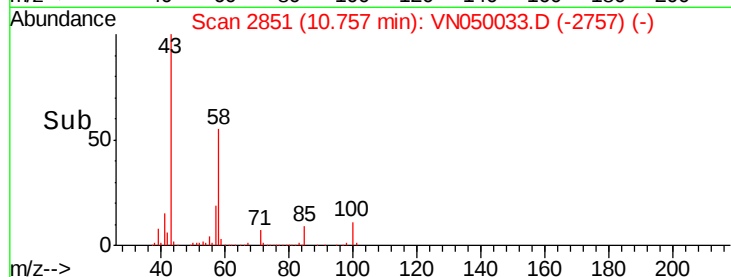
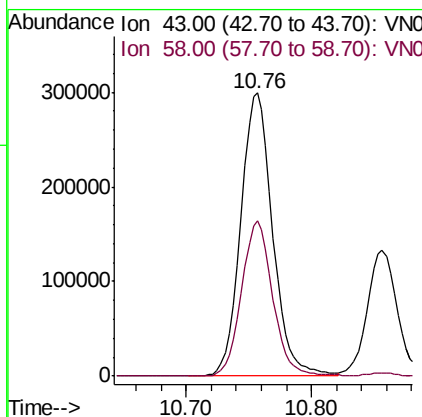
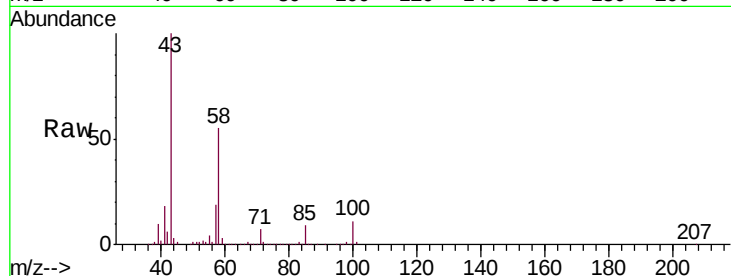
#59
2-Hexanone
Concen: 161.23 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion: 43 Resp: 526219
Ion Ratio Lower Upper
43 100
58 54.1 27.6 82.7

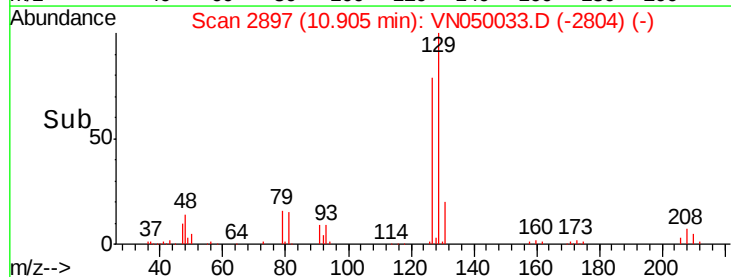
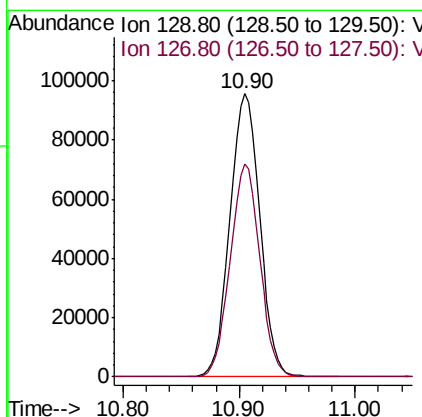
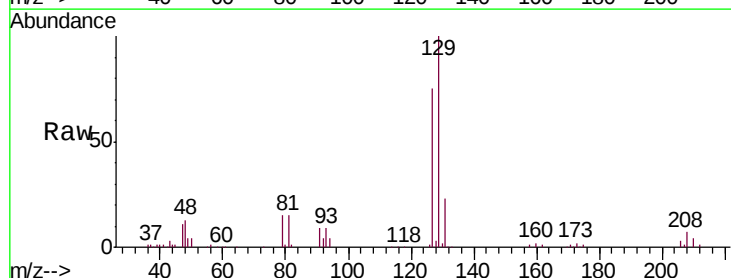
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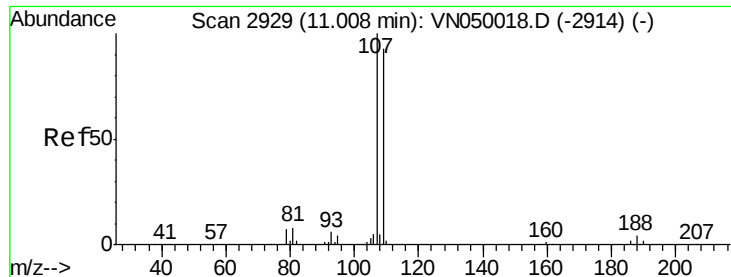
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#60
Dibromochloromethane
Concen: 32.88 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion: 129 Resp: 170032
Ion Ratio Lower Upper
129 100
127 74.7 38.0 113.9





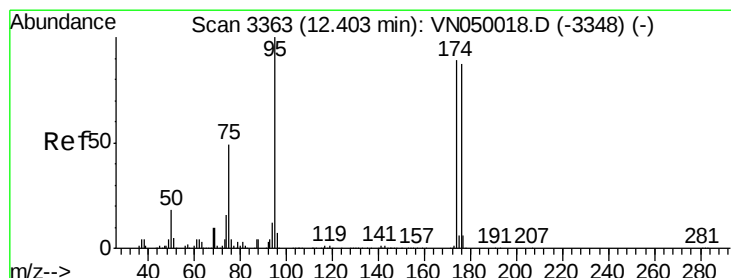
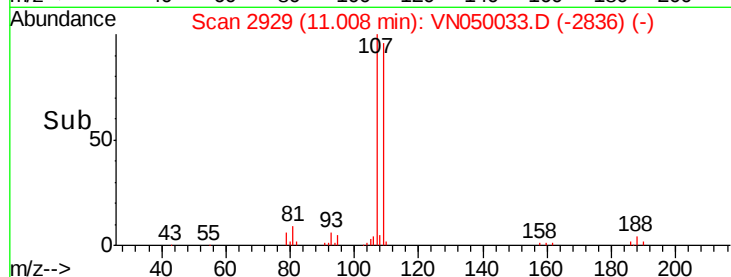
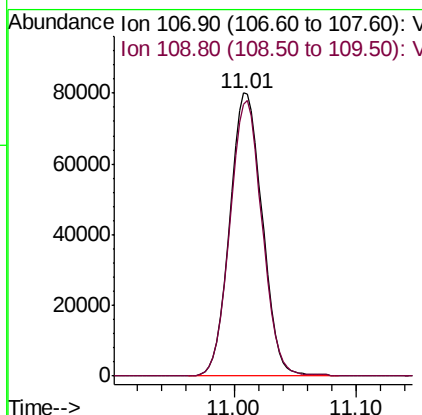
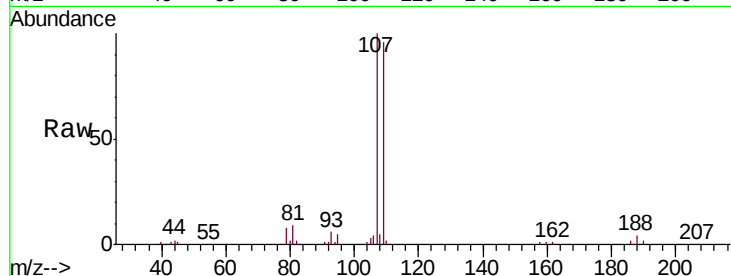
#61
1,2-Dibromoethane
Concen: 32.04 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	74.6	112.0

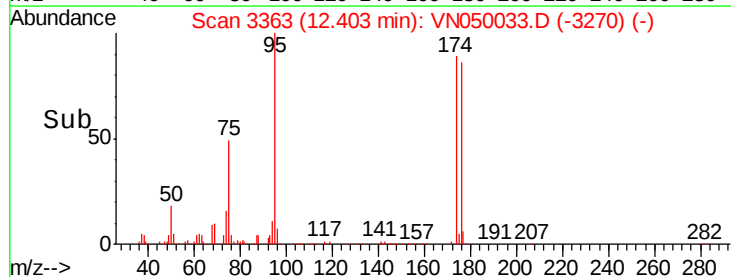
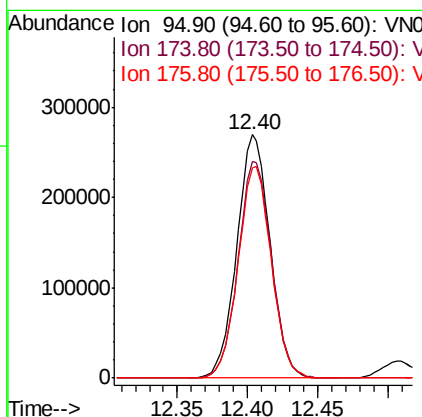
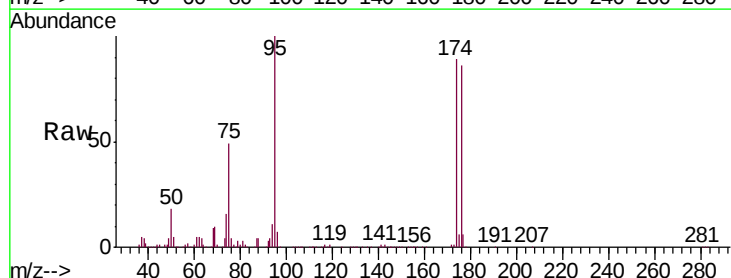
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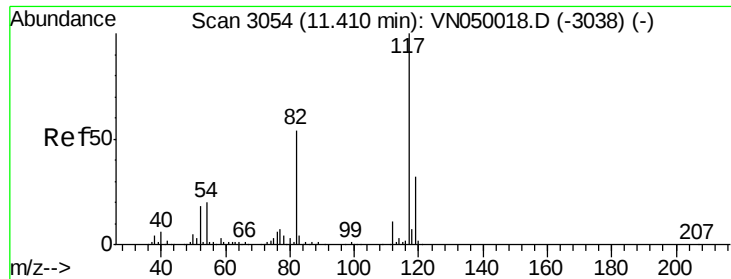
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#62
4-Bromofluorobenzene
Concen: 77.31 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	178.2
176	87.3	0.0	173.4





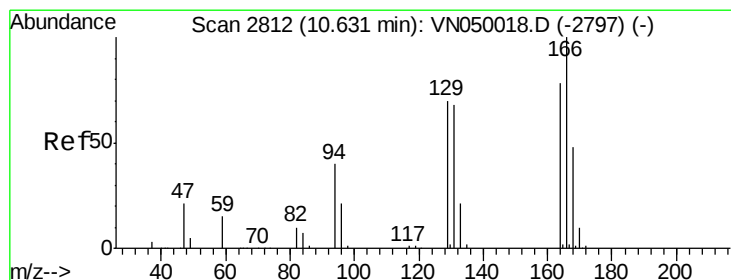
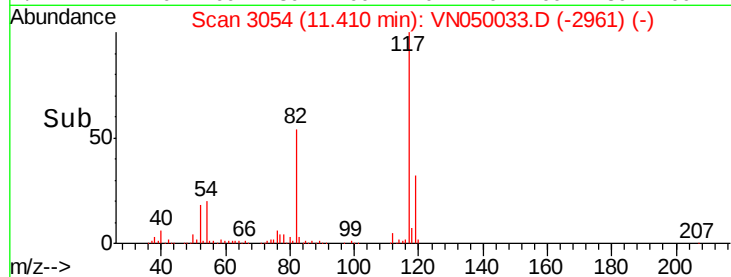
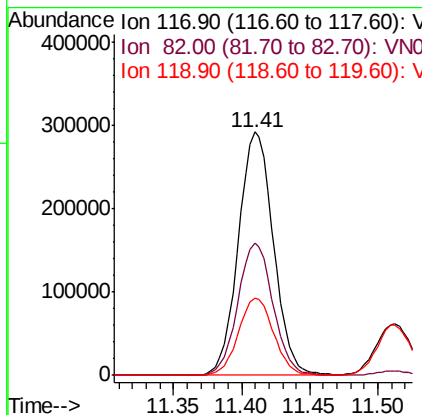
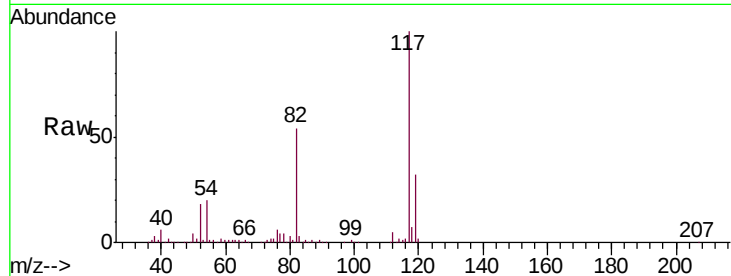
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	32.0	26.1	39.1

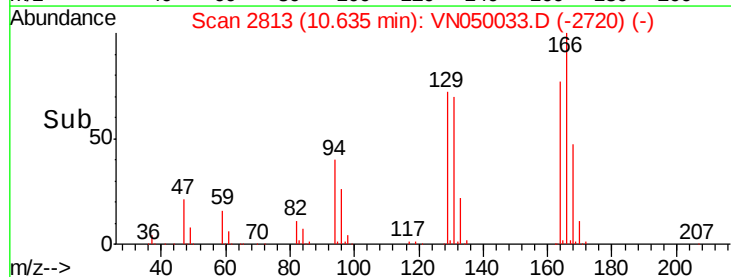
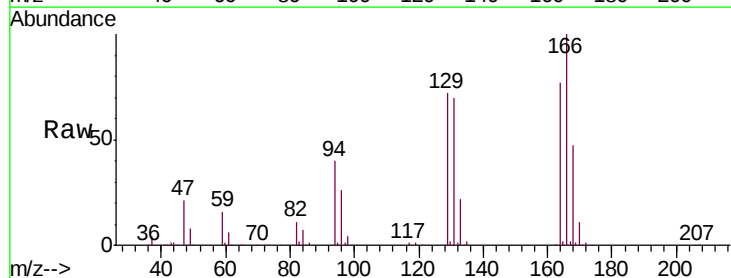
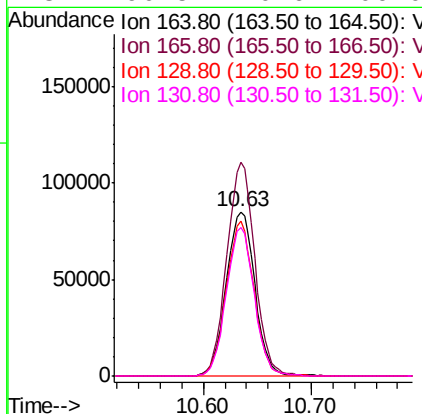
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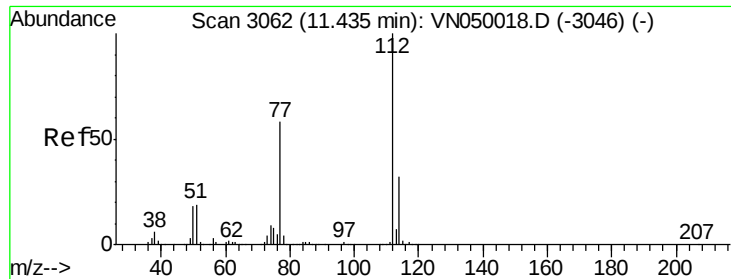
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#64
Tetrachloroethene
Concen: 31.48 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.1	153.1
129	94.0	73.2	109.8
131	90.5	70.6	106.0





#65

Chlorobenzene

Concen: 31.67 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:112 Resp: 417074

Ion Ratio Lower Upper

112 100

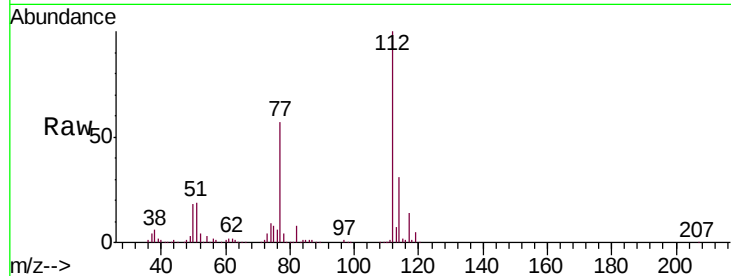
114 31.5 25.6 38.4

Manual Integrations

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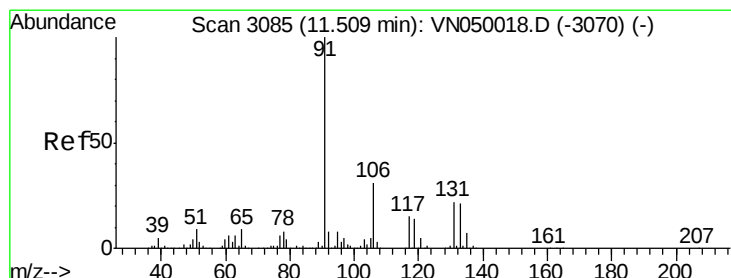
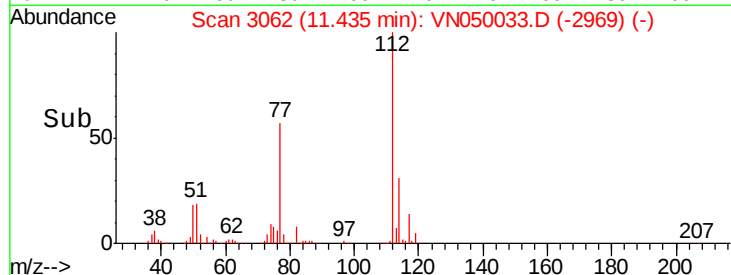
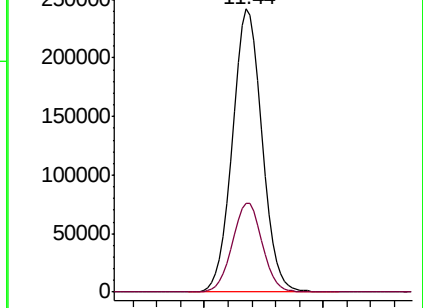
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 31.97 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

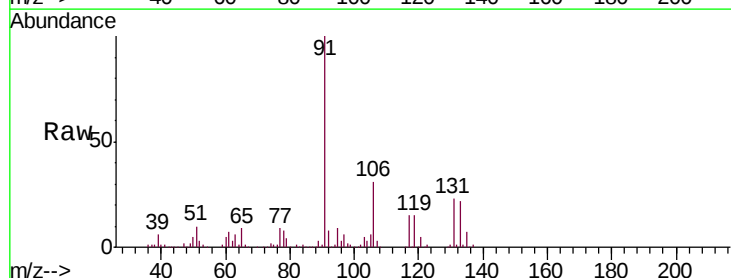
Tgt Ion:131 Resp: 161781

Ion Ratio Lower Upper

131 100

133 94.6 47.3 141.9

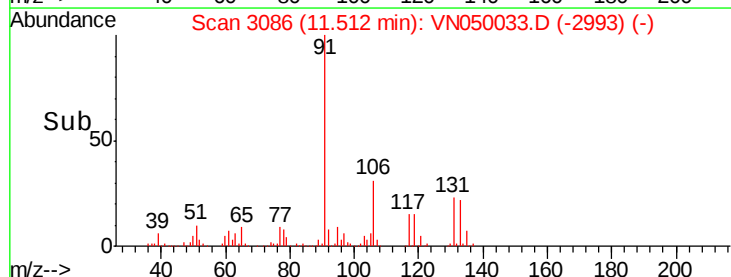
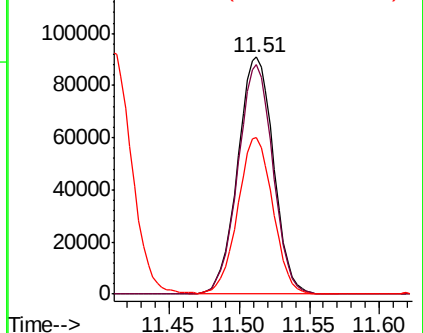
119 64.9 32.9 98.7

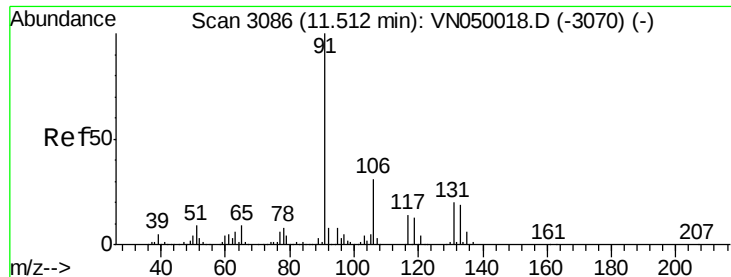


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 32.08 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 91 Resp: 678580

Ion Ratio Lower Upper

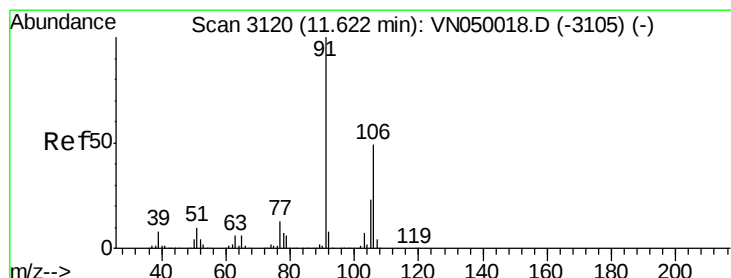
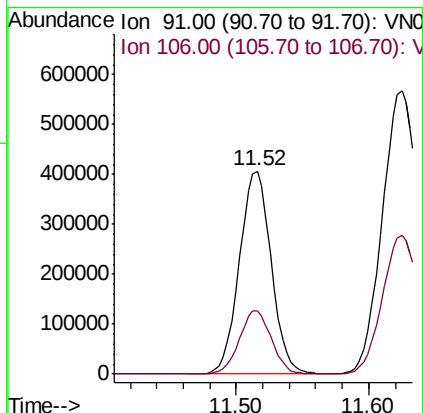
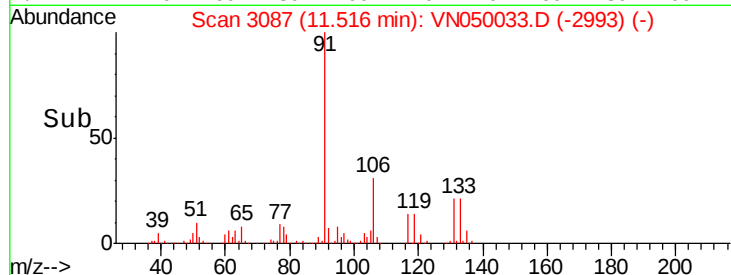
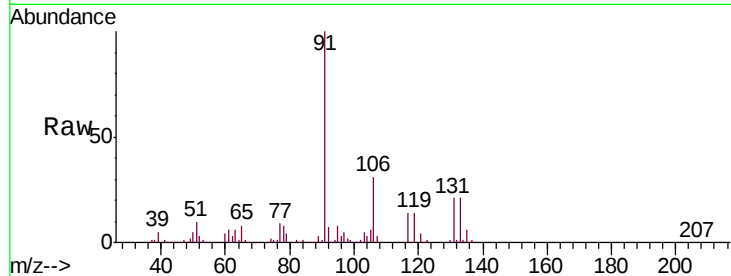
91 100

106 30.9 25.0 37.4

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#68

m/p-Xylenes

Concen: 67.20 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050033.D

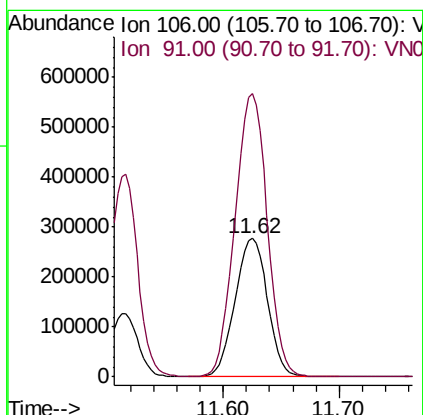
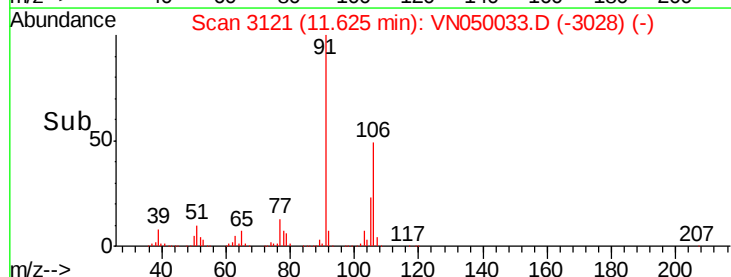
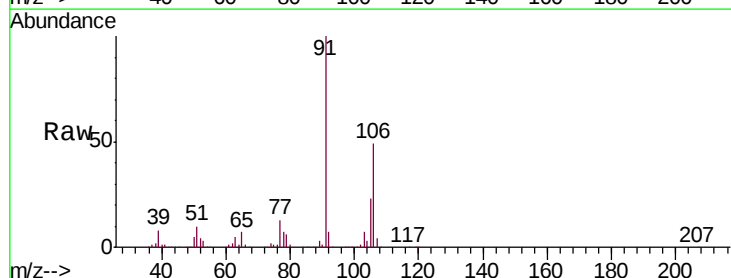
Acq: 24 Jul 2018 20:28

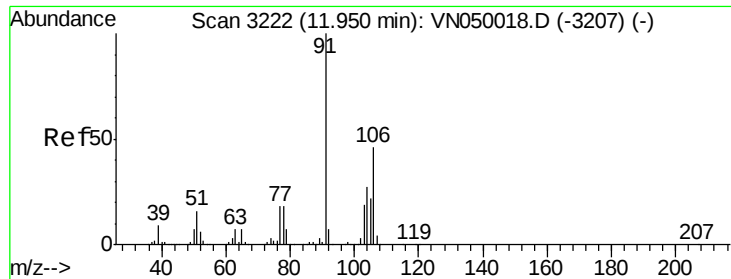
Tgt Ion: 106 Resp: 537747

Ion Ratio Lower Upper

106 100

91 203.5 162.2 243.2





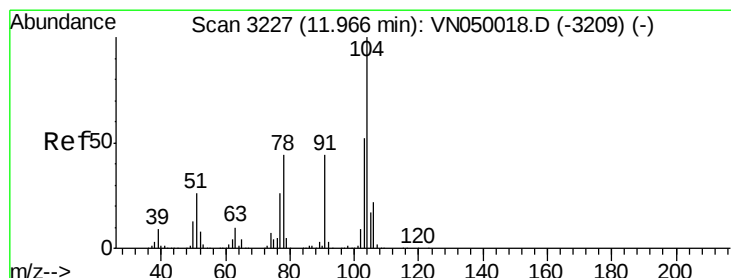
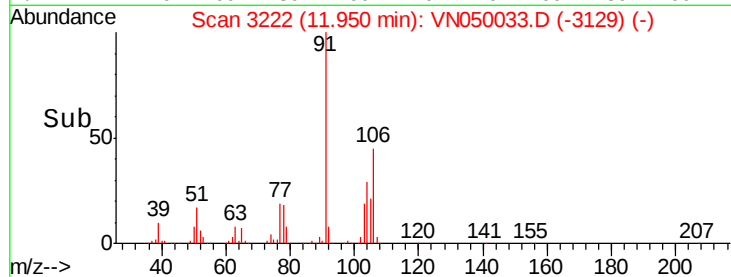
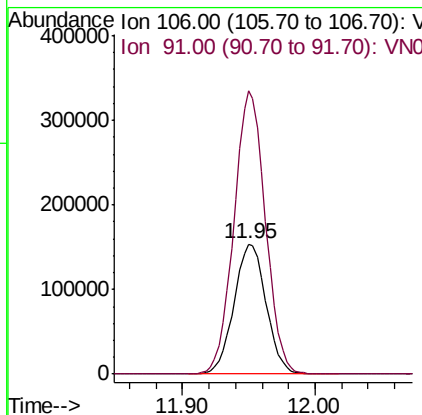
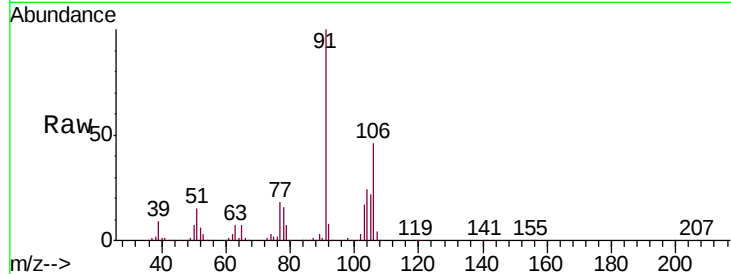
#69
o-Xylene
Concen: 33.78 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		257664		
91	213.9	107.7	323.1		

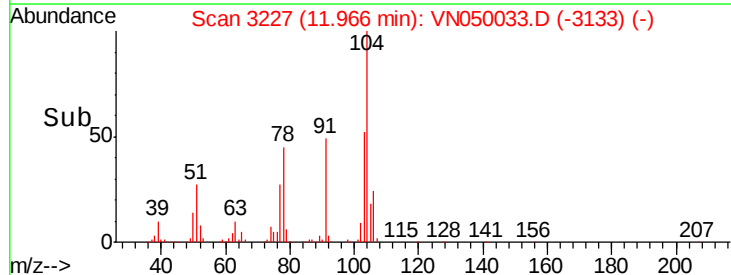
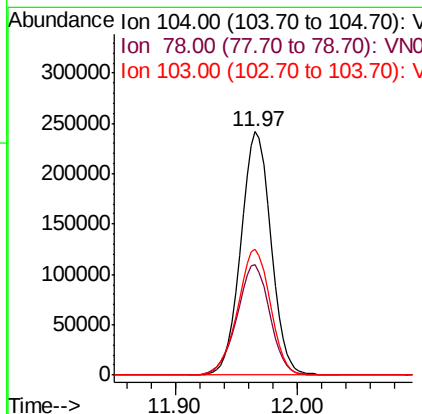
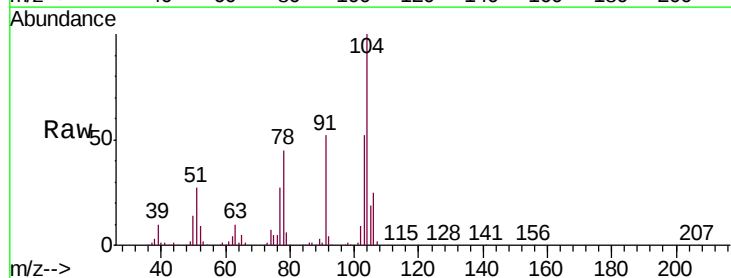
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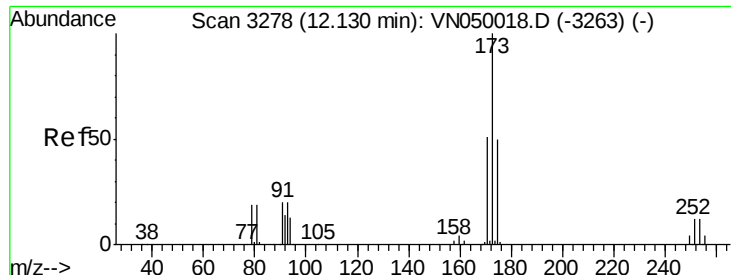
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#70
Styrene
Concen: 30.66 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		411065		
78	49.9	39.3	58.9		
103	56.3	45.0	67.6		





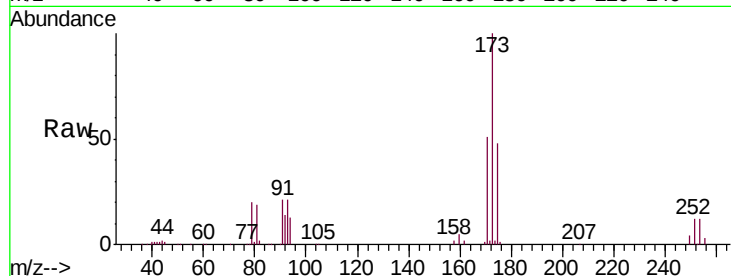
#71
Bromoform
Concen: 32.30 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

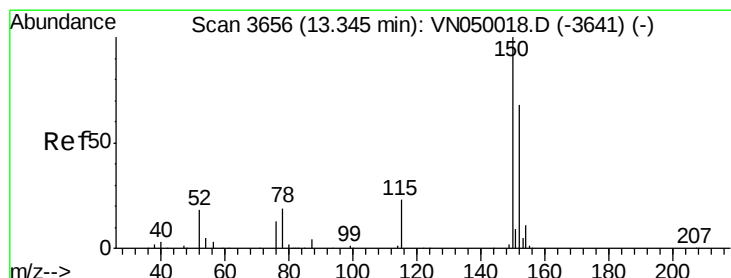
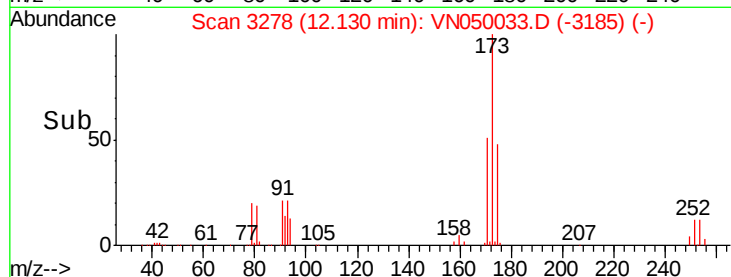
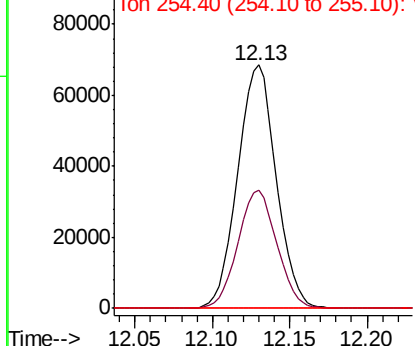
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.2	0.2

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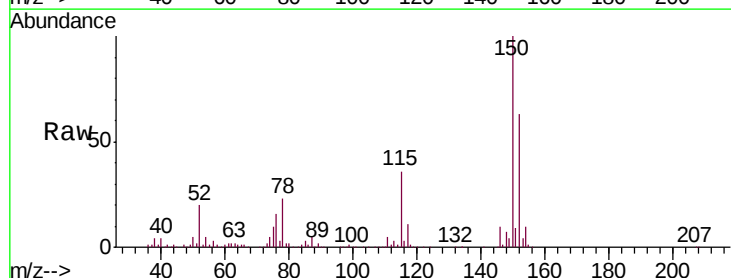


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

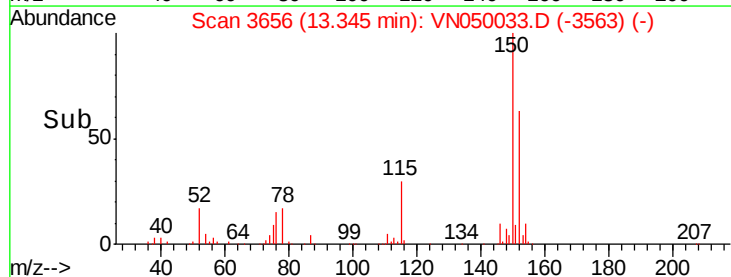
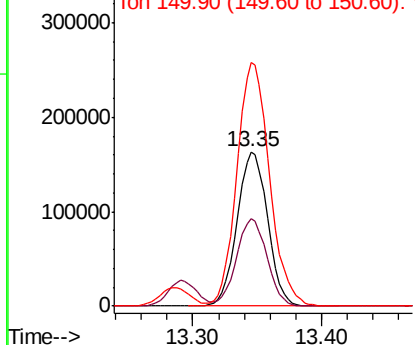


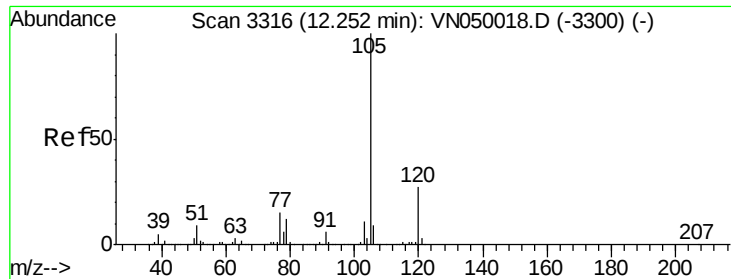
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.8	83.3
150	169.0	0.0	348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 32.98 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 105 Resp: 684989

Ion Ratio Lower Upper

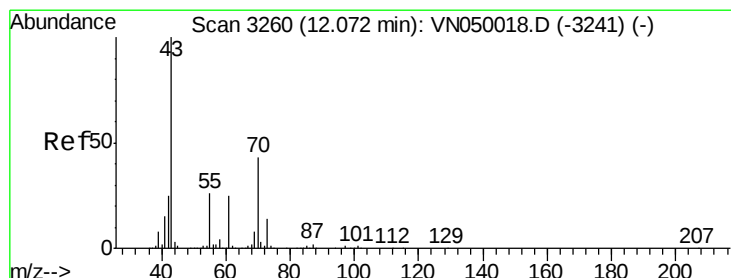
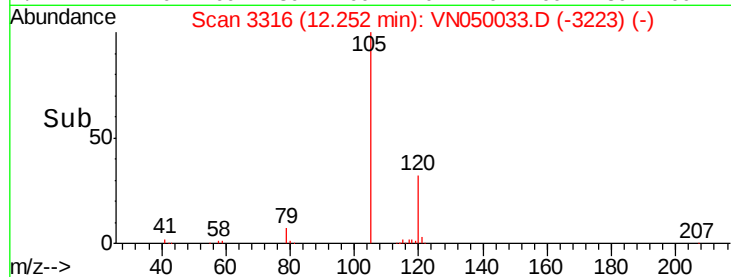
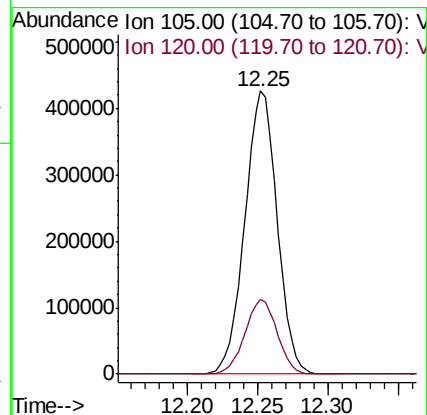
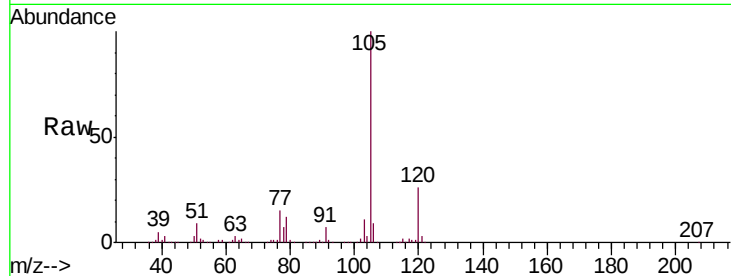
105 100

120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 32.83 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Tgt Ion: 43 Resp: 208442

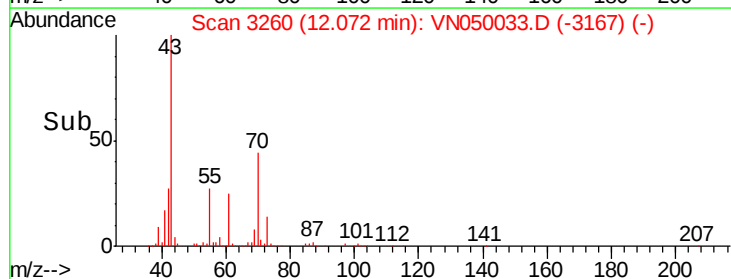
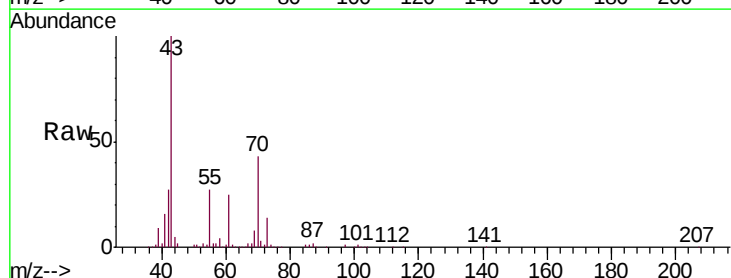
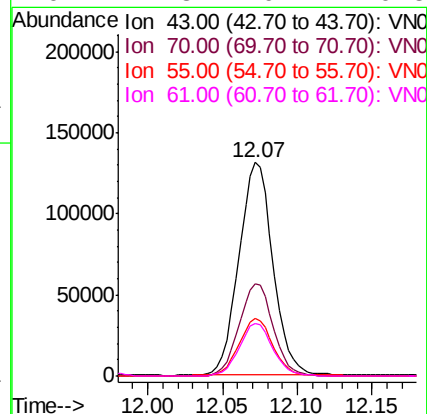
Ion Ratio Lower Upper

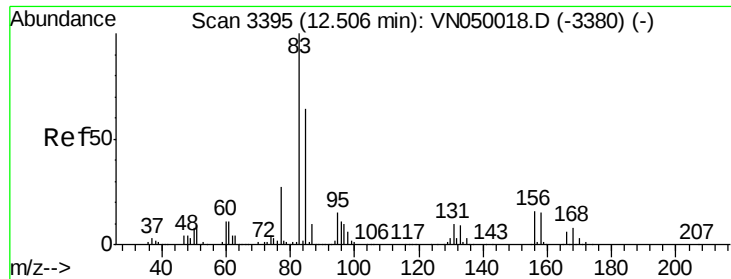
43 100

70 43.2 34.4 51.6

55 27.1 20.8 31.2

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 35.95 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

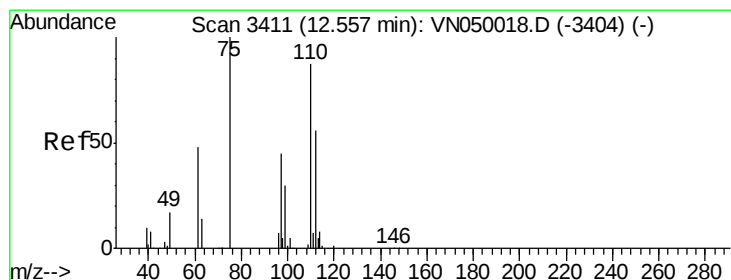
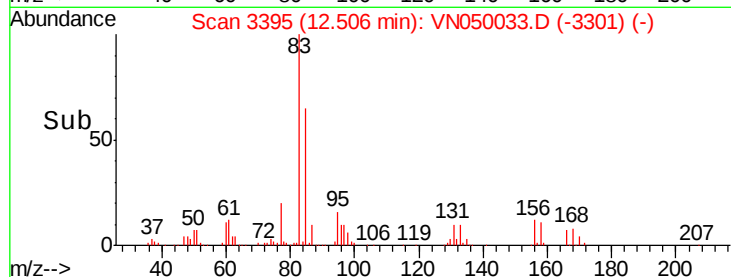
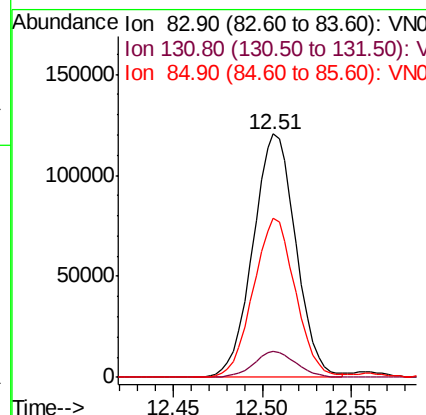
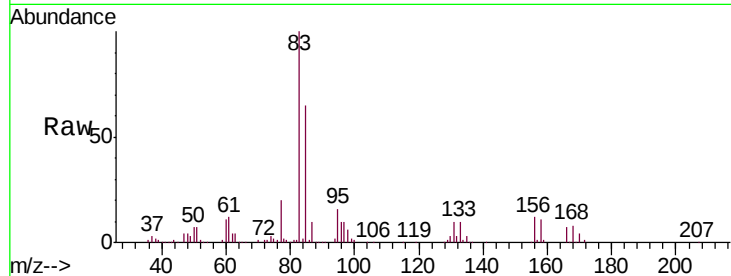
ClientSampleId :

VN0724WBSD01

Tot Ion:	83	Resp:	202194
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	64.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 33.46 ug/l m

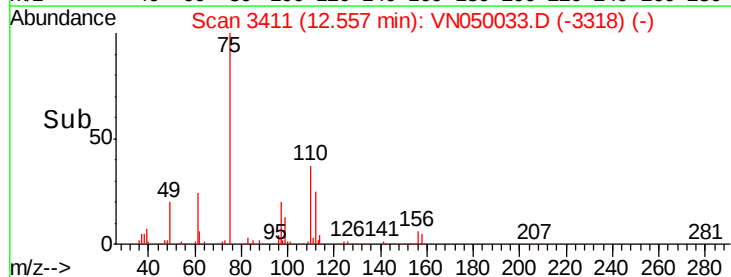
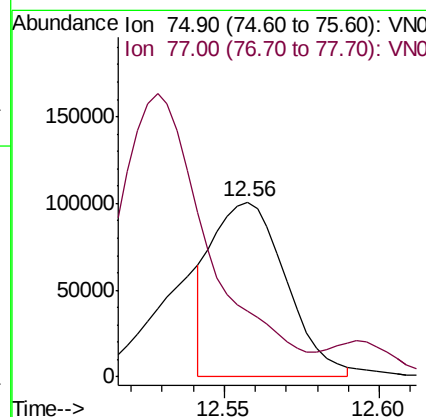
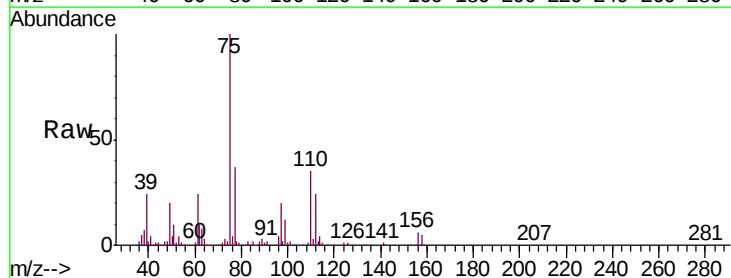
RT: 12.56 min Scan# 3411

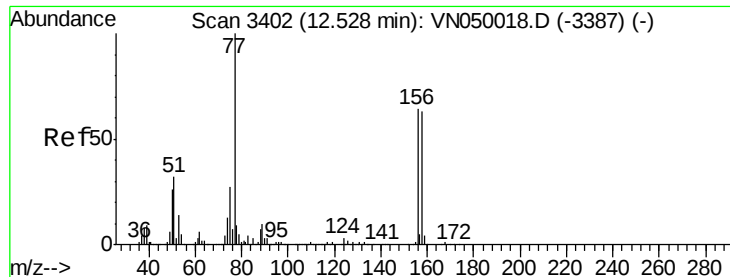
Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Tgt Ion:	75	Resp:	166568
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 32.50 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:156 Resp: 187078

Ion Ratio Lower Upper

156 100

77 180.6 91.7 275.1

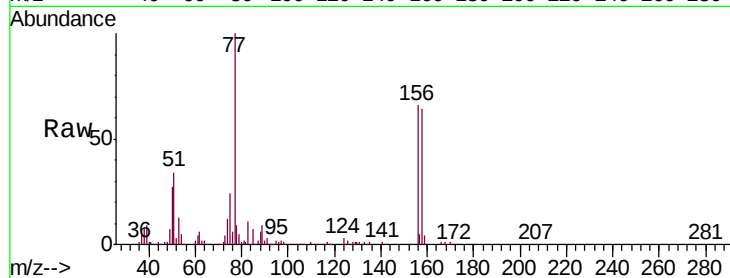
158 95.2 48.9 146.6

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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

200000

150000

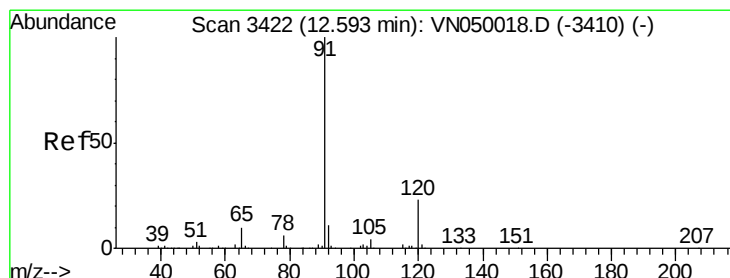
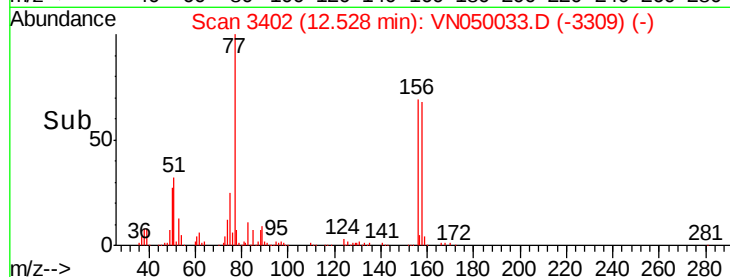
100000

50000

0

12.40 12.50 12.60

Time-->



#78

n-propylbenzene

Concen: 33.41 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050033.D

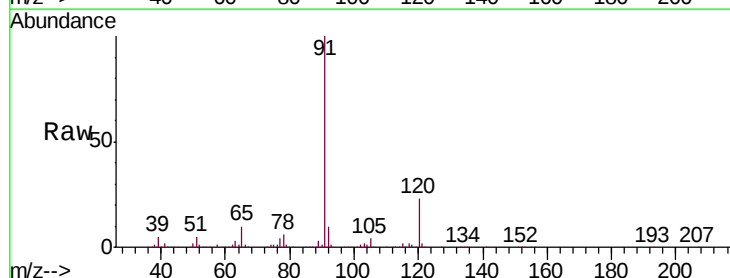
Acq: 24 Jul 2018 20:28

Tgt Ion: 91 Resp: 775651

Ion Ratio Lower Upper

91 100

120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

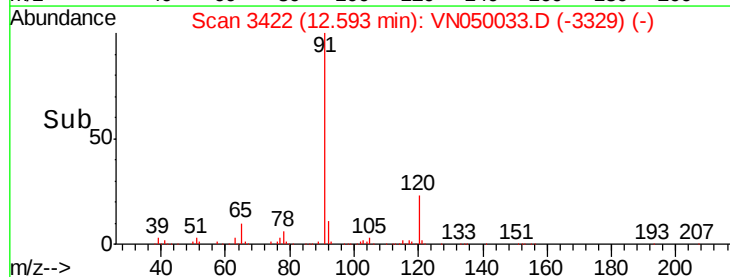
200000

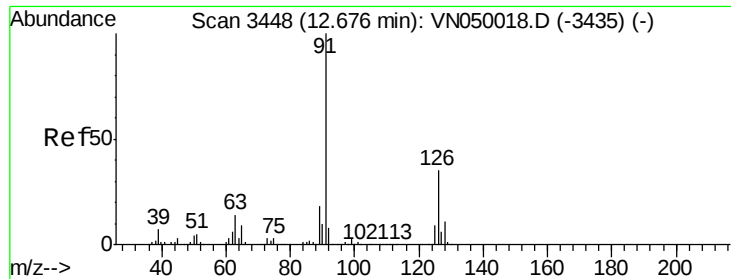
100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 33.16 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion: 91 Resp: 477154

Ion Ratio Lower Upper

91 100

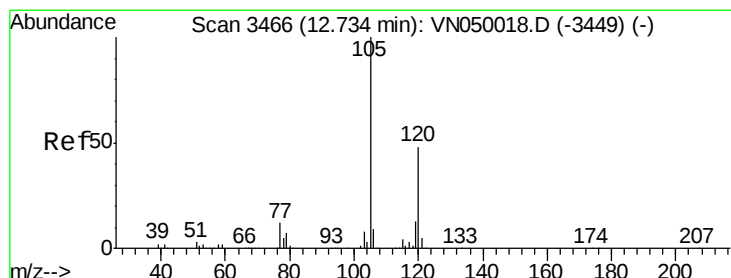
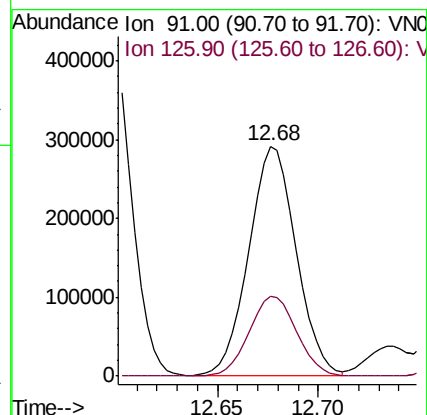
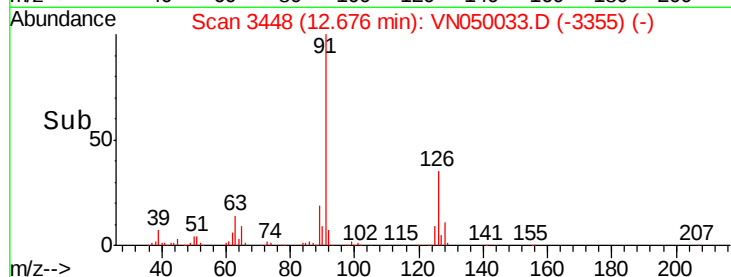
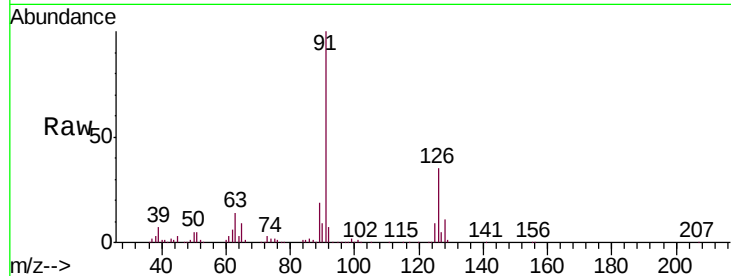
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 34.67 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050033.D

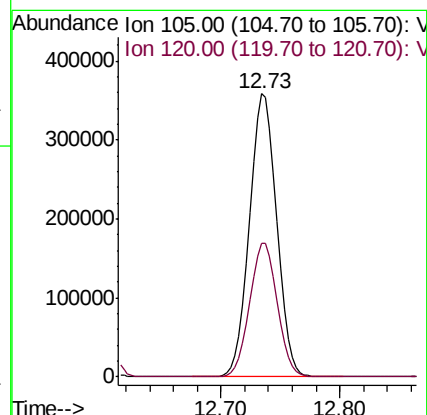
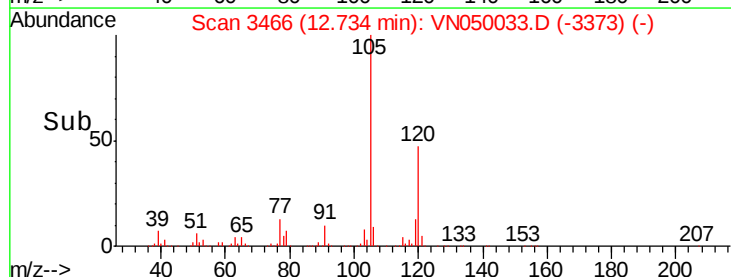
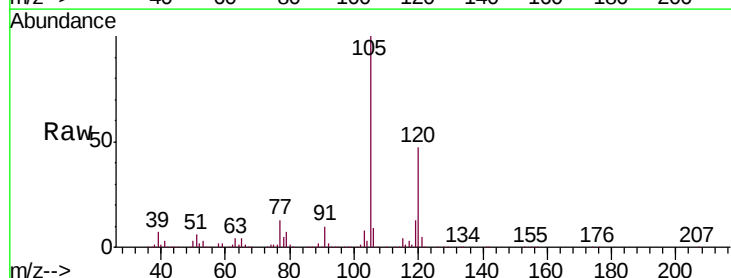
Acq: 24 Jul 2018 20:28

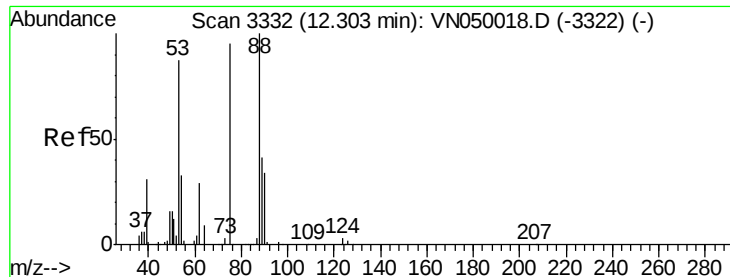
Tgt Ion: 105 Resp: 566397

Ion Ratio Lower Upper

105 100

120 48.2 24.4 73.2





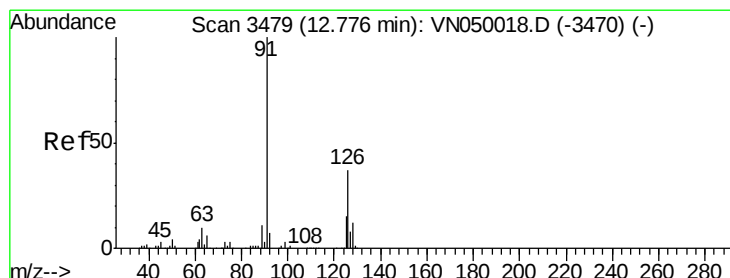
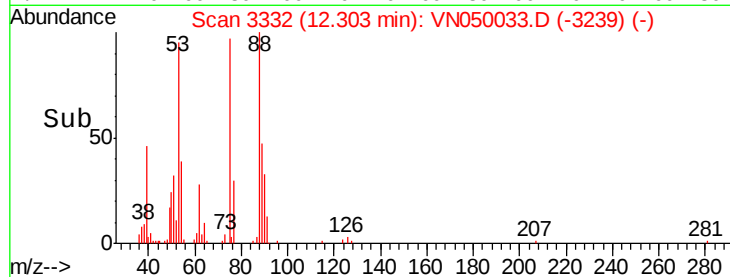
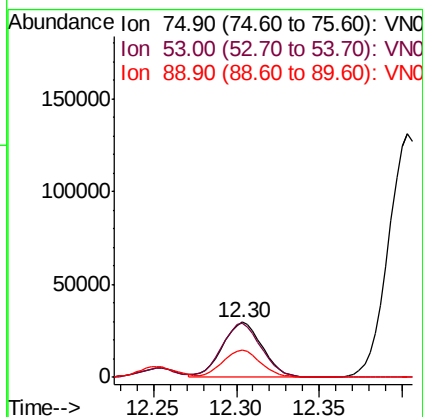
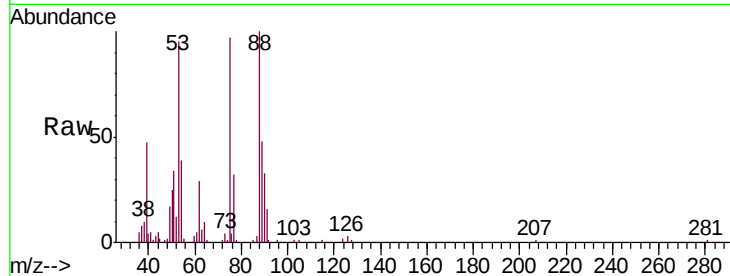
#81
trans-1,4-Dichloro-2-butene
Concen: 32.05 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	73.5	110.3
89	46.9	36.0	54.0

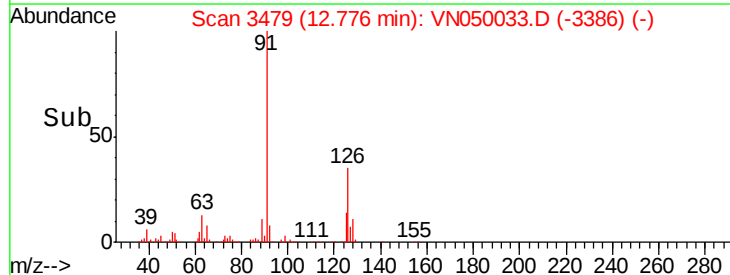
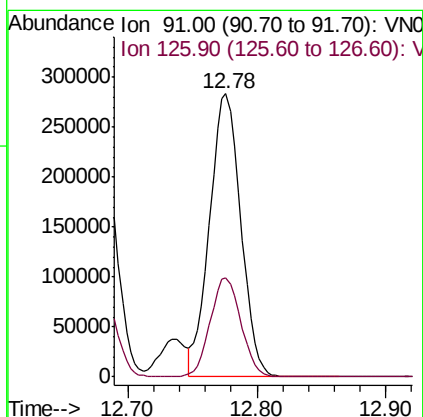
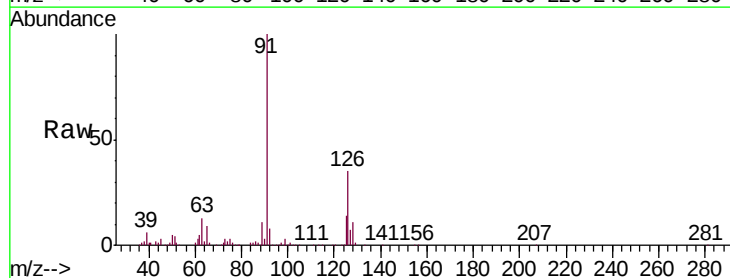
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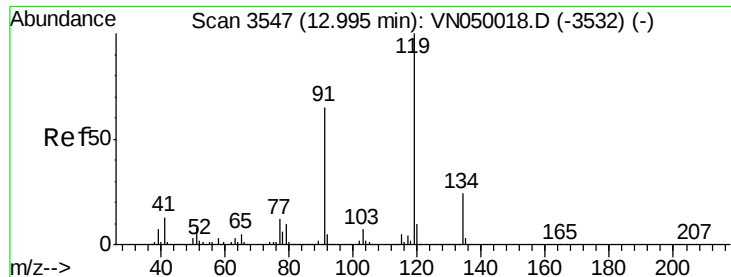
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#82
4-Chlorotoluene
Concen: 33.30 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0





#83

tert-Butylbenzene

Concen: 33.30 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

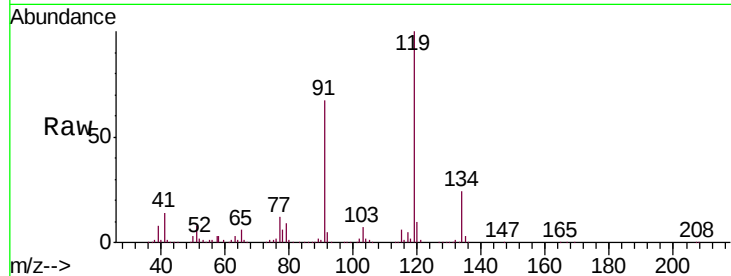
ClientSampleId :

VN0724WBSD01

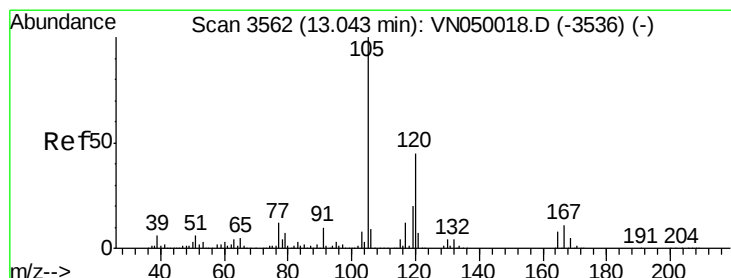
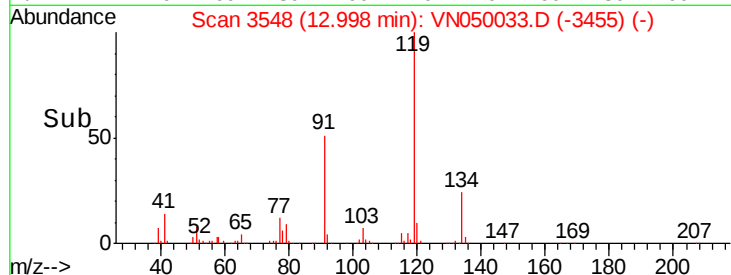
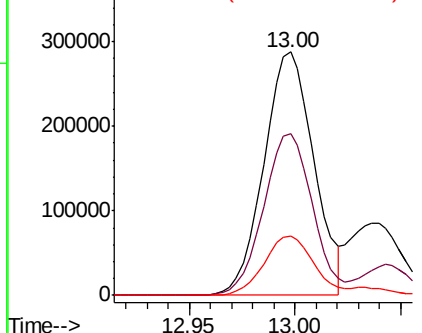
Tot Ion:	119	Resp:	474831
Ion Ratio	Lower	Upper	
119	100		
91	65.0	32.1	96.3
134	24.6	13.2	39.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 35.02 ug/l

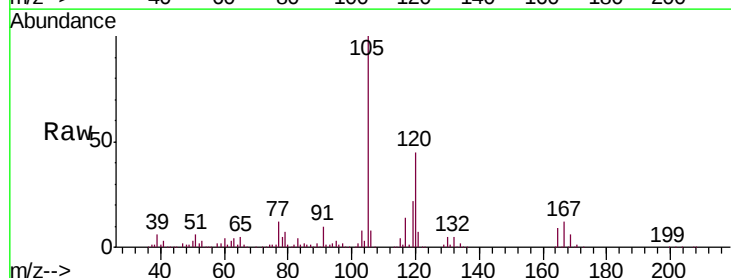
RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

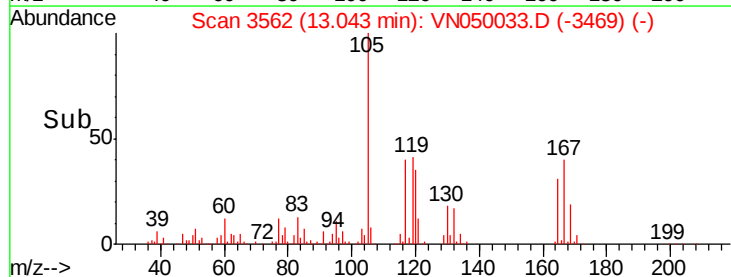
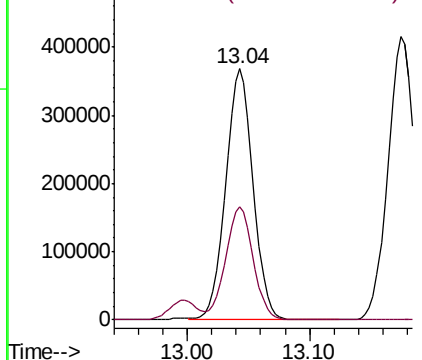
Lab File: VN050033.D

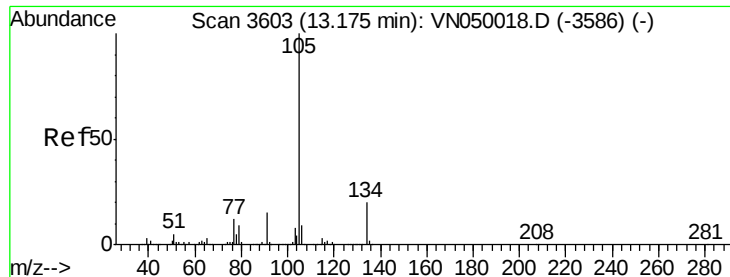
Acq: 24 Jul 2018 20:28

Tgt Ion:	105	Resp:	576677
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 33.91 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

Instrument :

MSVOA_N

ClientSampleId :

VN0724WBSD01

Tot Ion:105 Resp: 646029

Ion Ratio Lower Upper

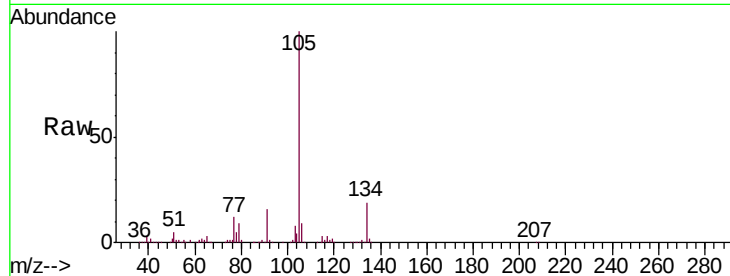
105 100

134 19.6 10.1 30.1

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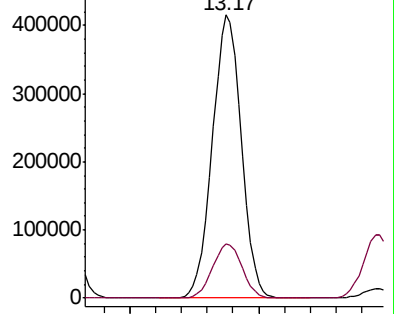
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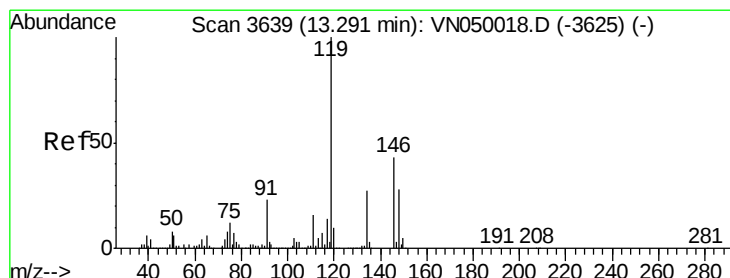
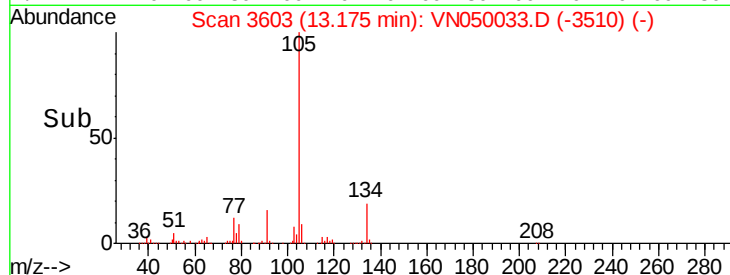


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 34.01 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050033.D

Acq: 24 Jul 2018 20:28

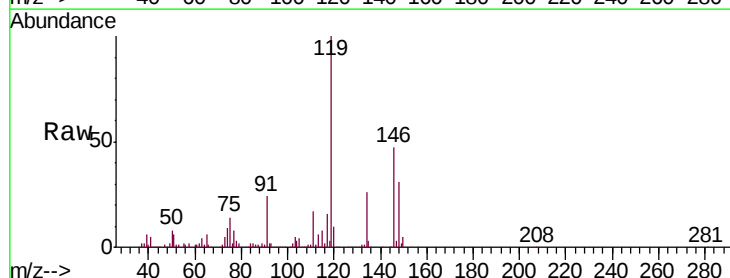
Tgt Ion:119 Resp: 545919

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

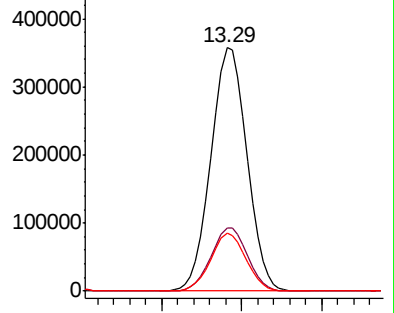
91 23.2 11.4 34.2



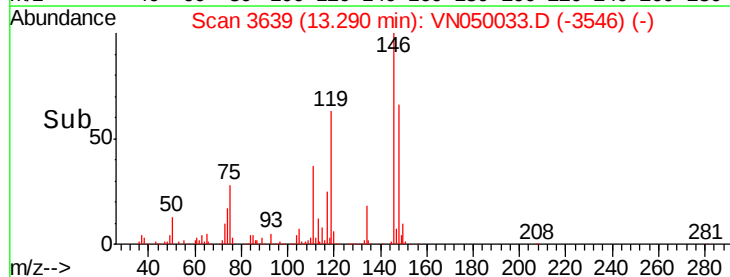
Abundance Ion 119.00 (118.70 to 119.70): V

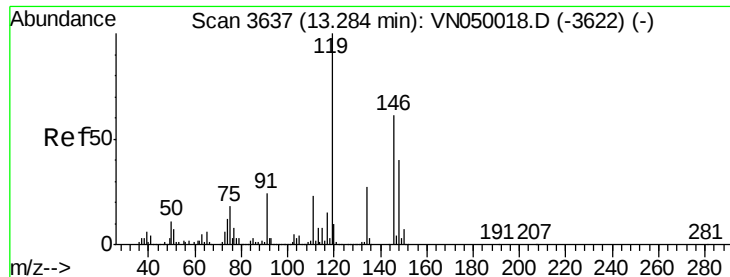
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





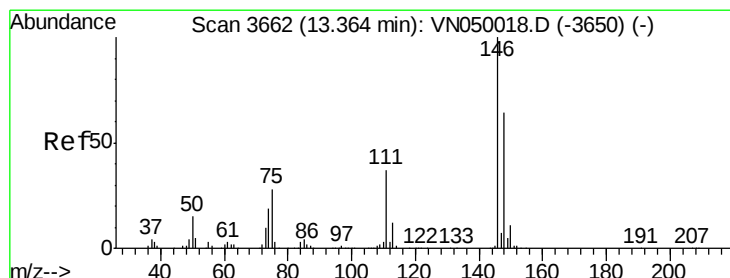
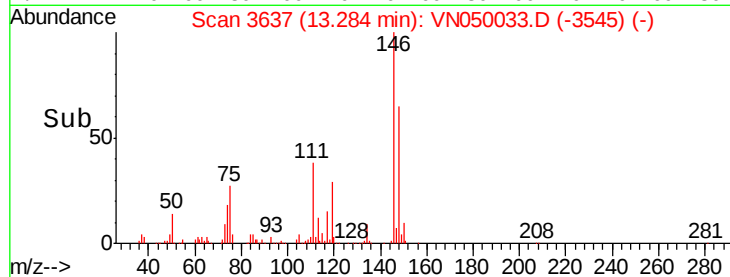
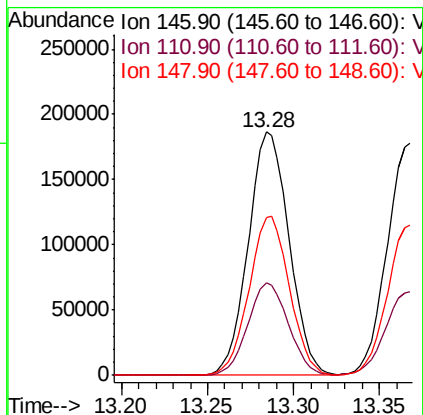
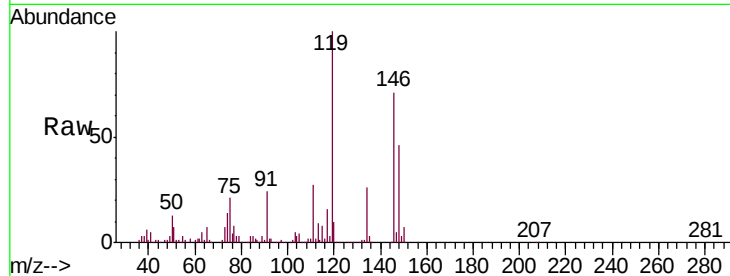
#87
 1,3-Dichlorobenzene
 Concen: 31.51 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.6	31.9	95.9

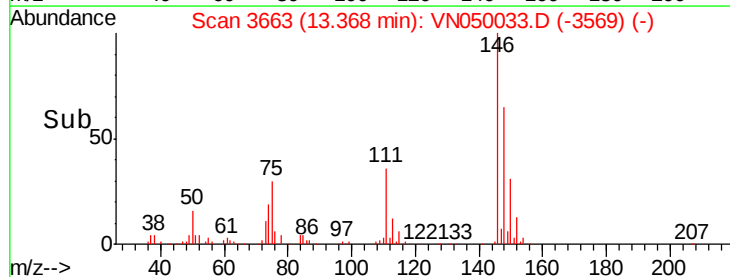
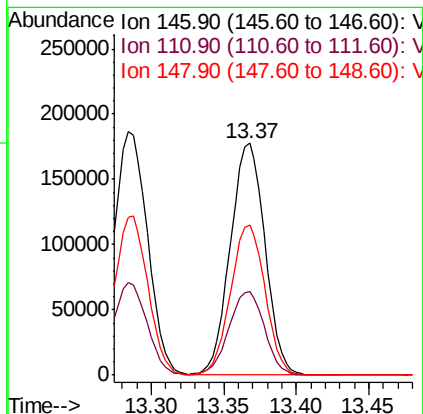
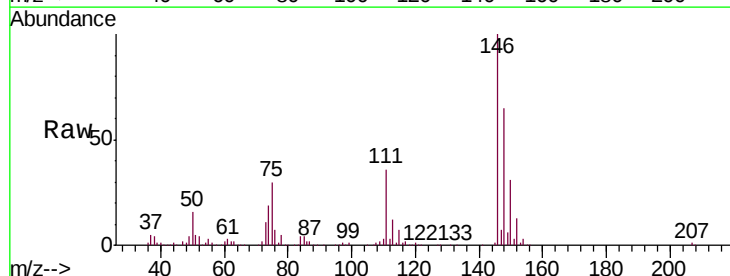
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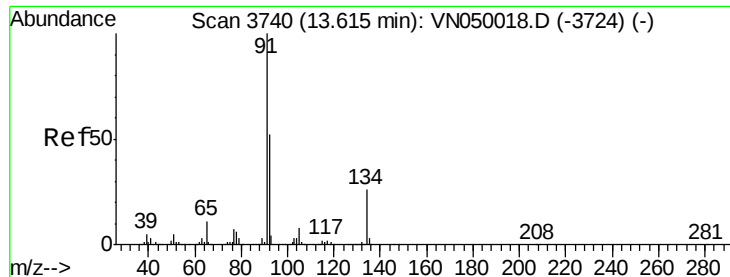
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#88
 1,4-Dichlorobenzene
 Concen: 31.10 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.9
148	64.4	31.9	95.9





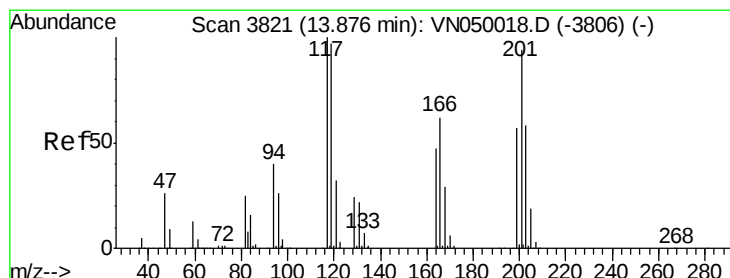
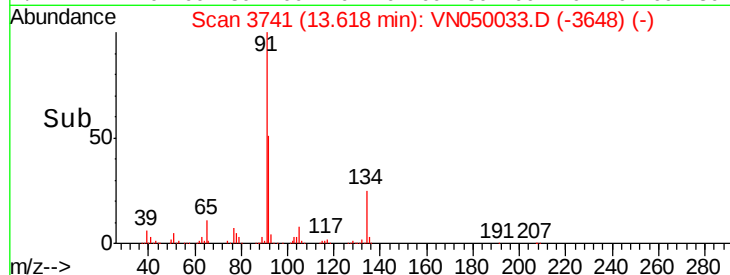
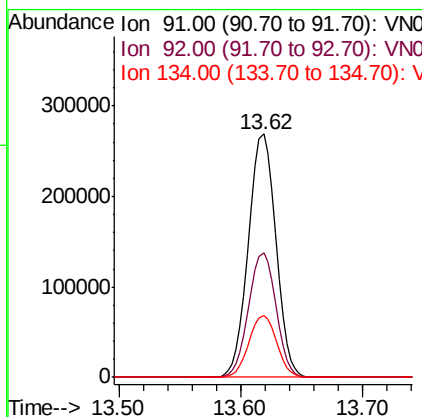
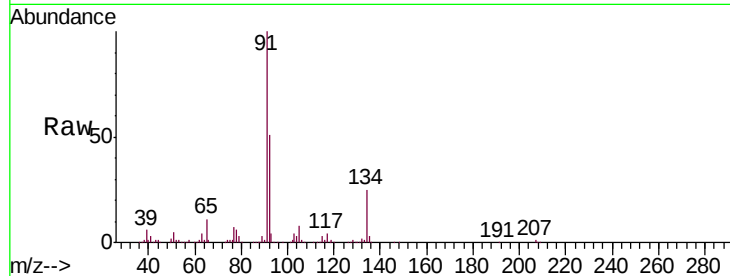
#89
n-Butylbenzene
Concen: 31.59 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.8	77.4
134	25.6	12.8	38.4

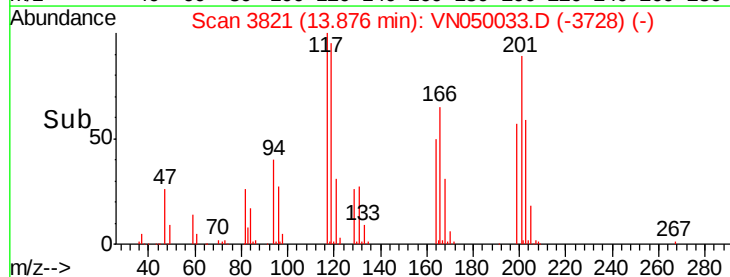
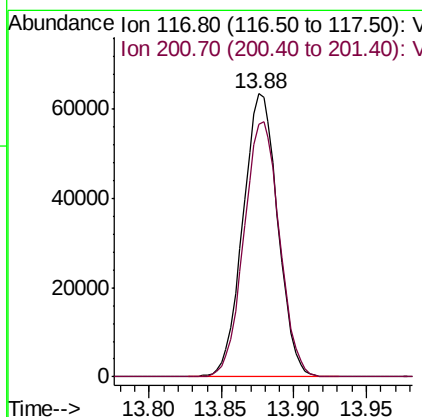
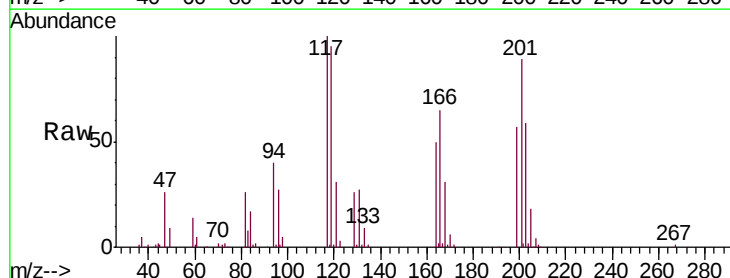
Manual Integrations
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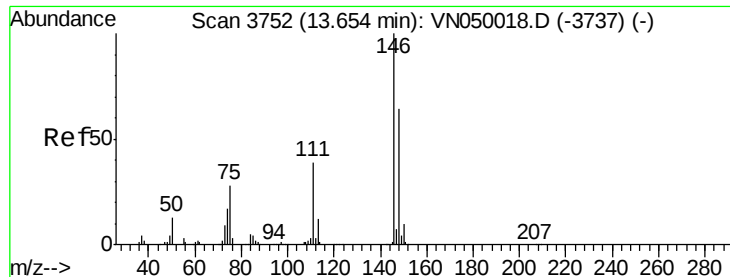
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#90
Hexachloroethane
Concen: 29.85 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.6	136.8





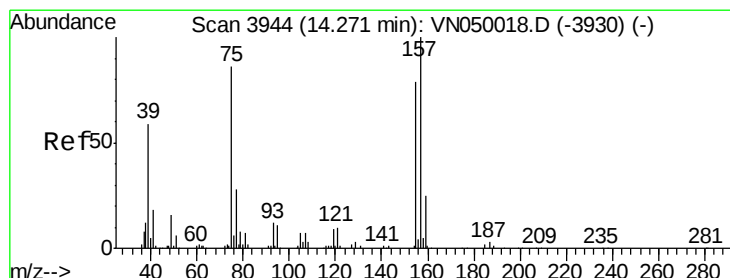
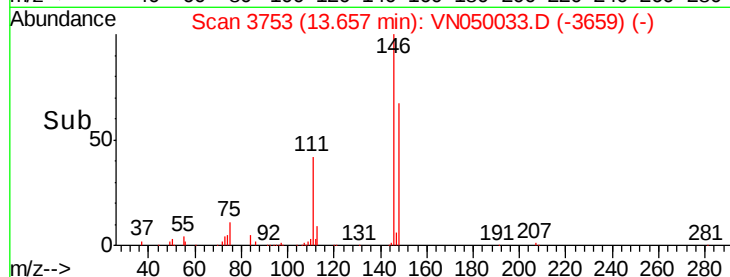
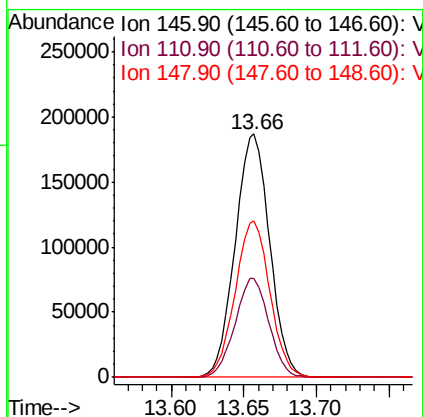
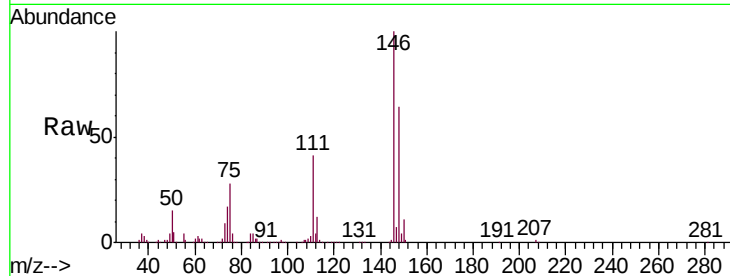
#91
 1,2-Dichlorobenzene
 Concen: 31.74 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	64.5	32.1	96.3

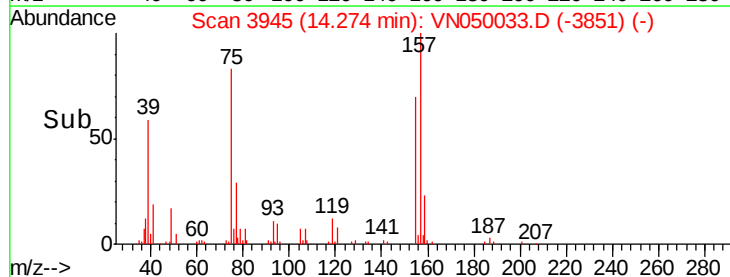
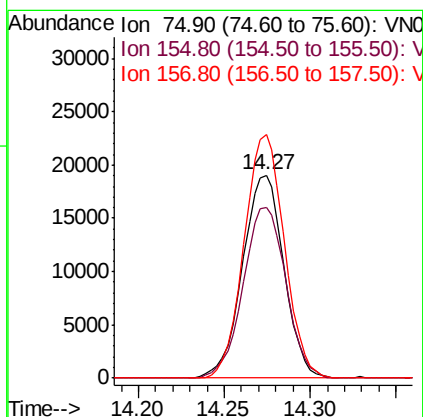
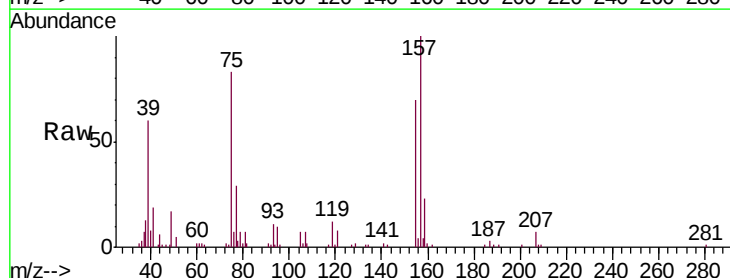
Manual Integrations
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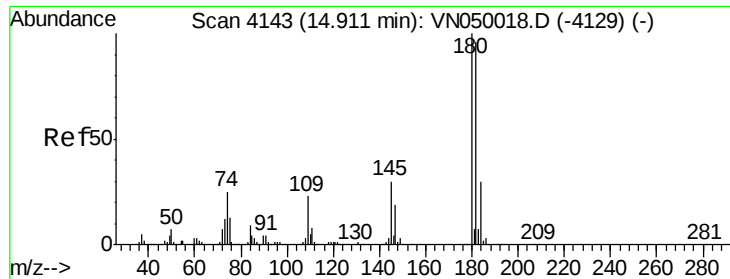
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 34.05 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	44.8	134.4
157	116.7	57.2	171.6





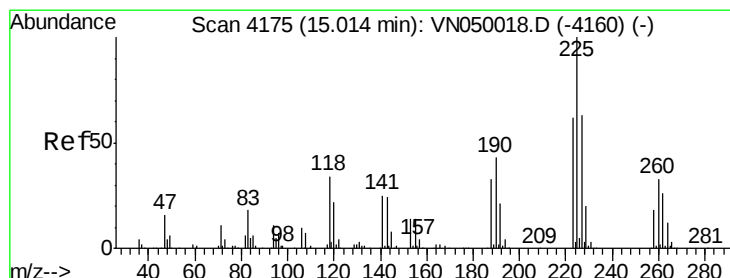
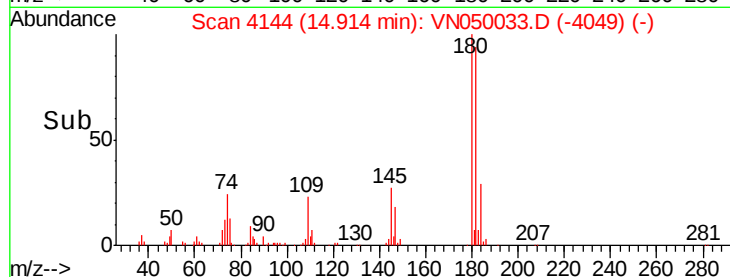
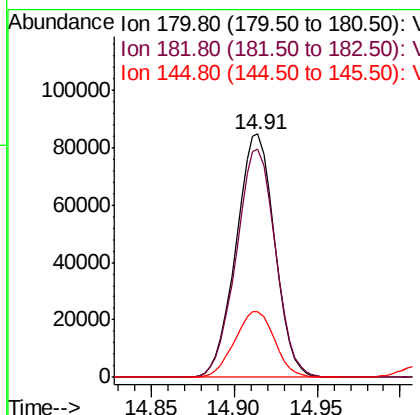
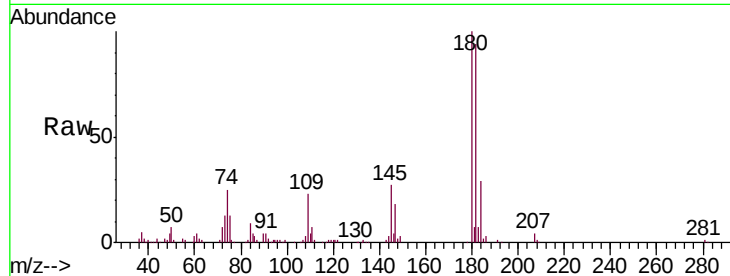
#93
 1,2,4-Trichlorobenzene
 Concen: 27.98 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.7	140.1
145	28.2	13.8	41.4

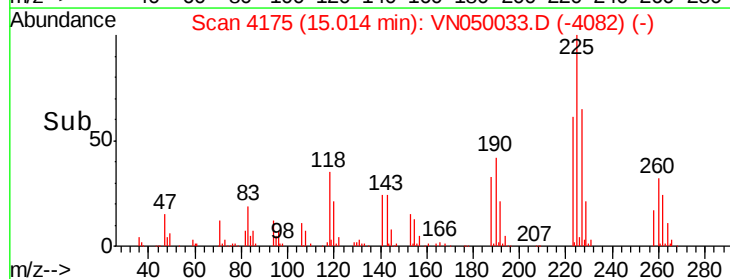
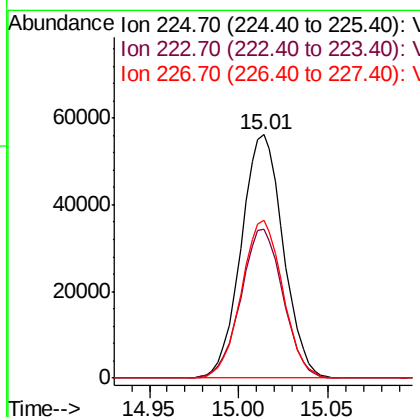
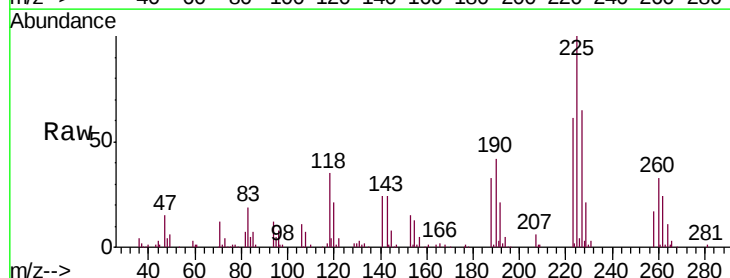
Manual Integrations
 APPROVED

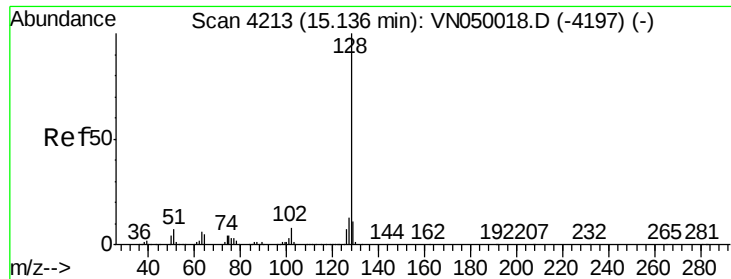
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#94
 Hexachlorobutadiene
 Concen: 30.87 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050033.D
 Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.4	94.2
227	64.1	32.1	96.5





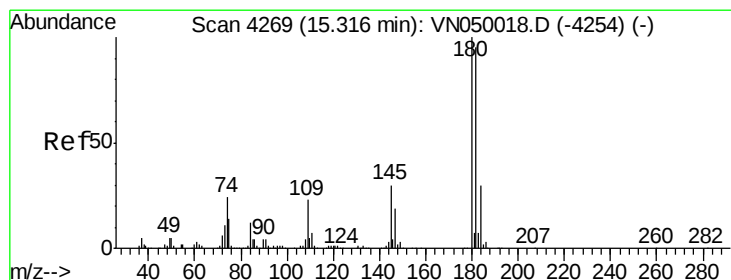
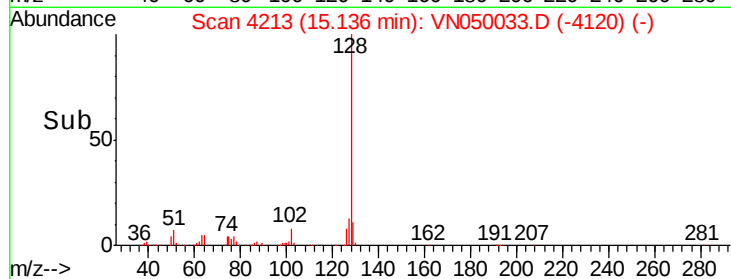
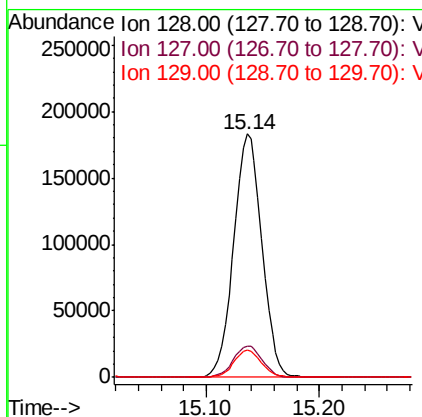
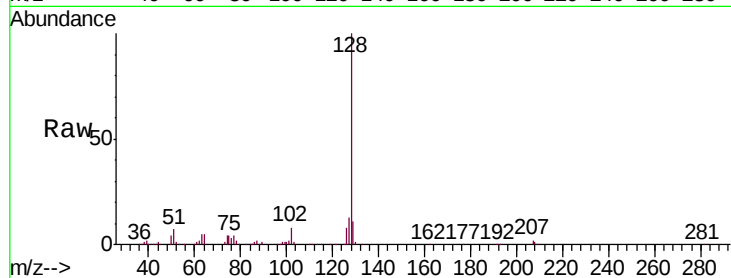
#95
Naphthalene
Concen: 28.08 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Instrument :
MSVOA_N
ClientSampleId :
VN0724WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 29.82 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050033.D
Acq: 24 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.4
145	31.0	15.3	45.9

