

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052001.D
 Acq On : 25 Oct 2018 10:27
 Operator : MD\SY
 Sample : VN1025WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 9:19:33 AM

Quant Time: Oct 26 01:36:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1200871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1703206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1577482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	779218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	502091	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.59	113	521919	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.09	98	1907722	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.40	95	636108	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	138521	18.177	ug/l	99
3) Chloromethane	2.06	50	124223	18.104	ug/l	95
4) Vinyl Chloride	2.19	62	154667	16.817	ug/l	100
5) Bromomethane	2.57	94	166437	18.901	ug/l	98
6) Chloroethane	2.71	64	114101	16.710	ug/l	100
7) Trichlorofluoromethane	3.02	101	290509	17.727	ug/l	98
8) Diethyl Ether	3.41	74	91925	18.867	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	186152	18.962	ug/l	98
10) Methyl Iodide	3.96	142	279829	19.266	ug/l	99
11) Tert butyl alcohol	4.77	59	45842	82.822	ug/l	97
12) 1,1-Dichloroethene	3.74	96	163090	18.550	ug/l	95
13) Acrolein	3.61	56	22511	97.395	ug/l	98
14) Allyl chloride	4.33	41	162225	17.438	ug/l	98
15) Acrylonitrile	4.99	53	217724	93.182	ug/l	98
16) Acetone	3.82	43	154009	87.400	ug/l	96
17) Carbon Disulfide	4.06	76	367297	17.575	ug/l	98
18) Methyl Acetate	4.33	43	106992	18.542	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	434892	18.424	ug/l	99
20) Methylene Chloride	4.55	84	185578	17.953	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	184222	18.502	ug/l	97
22) Diisopropyl ether	5.95	45	392697	18.450	ug/l	99
23) Vinyl Acetate	5.90	43	1334603	92.175	ug/l	100
24) 1,1-Dichloroethane	5.85	63	284240	18.292	ug/l	98
25) 2-Butanone	6.84	43	242194	96.413	ug/l	97
26) 2,2-Dichloropropane	6.83	77	266728	18.761	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	216190	18.587	ug/l	100
28) Bromochloromethane	7.20	49	116737	18.640	ug/l	95
29) Tetrahydrofuran	7.21	42	148992	87.540	ug/l	97
30) Chloroform	7.37	83	347220	18.299	ug/l	100
31) Cyclohexane	7.66	56	246853	18.110	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	313221	18.052	ug/l	99
36) 1,1-Dichloropropene	7.80	75	248092	18.989	ug/l	99
37) Ethyl Acetate	6.93	43	110587	17.706	ug/l	95
38) Carbon Tetrachloride	7.78	117	279964	18.666	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	310695	19.470	ug/l	99
40) Benzene	8.04	78	744075	19.181	ug/l	100
41) Methacrylonitrile	7.18	41	52850	18.001	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	228387	18.362	ug/l	100
43) Isopropyl Acetate	8.16	43	204336	18.675	ug/l	97
44) Trichloroethene	8.84	130	243015	19.517	ug/l	94
45) 1,2-Dichloropropane	9.12	63	168451	19.196	ug/l	98
46) Dibromomethane	9.21	93	135225	19.116	ug/l	98
47) Bromodichloromethane	9.40	83	244829	18.326	ug/l	98
48) Methyl methacrylate	9.20	41	97372	18.411	ug/l	99
49) 1,4-Dioxane	9.20	88	32720	337.405	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	559028	92.883	ug/l	100
52) Toluene	10.16	92	506730	19.264	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	234439	18.000	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	268331	19.217	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	179850	18.505	ug/l	97
56) Ethyl methacrylate	10.43	69	199124	19.059	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279753	18.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	522169	95.521	ug/l	100
59) 2-Hexanone	10.75	43	381507	94.342	ug/l	100
60) Dibromochloromethane	10.90	129	202615	17.673	ug/l	98
61) 1,2-Dibromoethane	11.00	107	190748	18.614	ug/l	100
64) Tetrachloroethene	10.63	164	234538	19.371	ug/l	95
65) Chlorobenzene	11.43	112	617923	19.401	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	221832	19.377	ug/l	99
67) Ethyl Benzene	11.51	91	970137	18.949	ug/l	98
68) m/p-Xylenes	11.62	106	804679	39.339	ug/l	99
69) o-Xylene	11.95	106	378731	19.038	ug/l	99
70) Styrene	11.96	104	613829	19.305	ug/l	99
71) Bromoform	12.13	173	120512	16.843	ug/l #	100
73) Isopropylbenzene	12.25	105	1033791	20.919	ug/l	99
74) N-amyl acetate	12.07	43	180951	18.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	191714	18.775	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	159523m	19.819	ug/l	
77) Bromobenzene	12.53	156	282648	20.724	ug/l	98
78) n-propylbenzene	12.59	91	1121934	21.046	ug/l	100
79) 2-Chlorotoluene	12.67	91	638672	20.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	839786	21.181	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41052	17.651	ug/l	90
82) 4-Chlorotoluene	12.77	91	664998	20.689	ug/l	100
83) tert-Butylbenzene	12.99	119	779822	20.796	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	850876	20.805	ug/l	98
85) sec-Butylbenzene	13.17	105	1023756	20.903	ug/l	100
86) p-Isopropyltoluene	13.29	119	906610	20.561	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	490523	19.501	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	483670	19.504	ug/l	98
89) n-Butylbenzene	13.61	91	694752	19.787	ug/l	99
90) Hexachloroethane	13.87	117	127300	19.379	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	457880	18.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21649	13.808	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165930	11.543	ug/l	98
94) Hexachlorobutadiene	15.01	225	109184	14.783	ug/l	98
95) Naphthalene	15.13	128	315209	10.097	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132779	9.664	ug/l	98

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

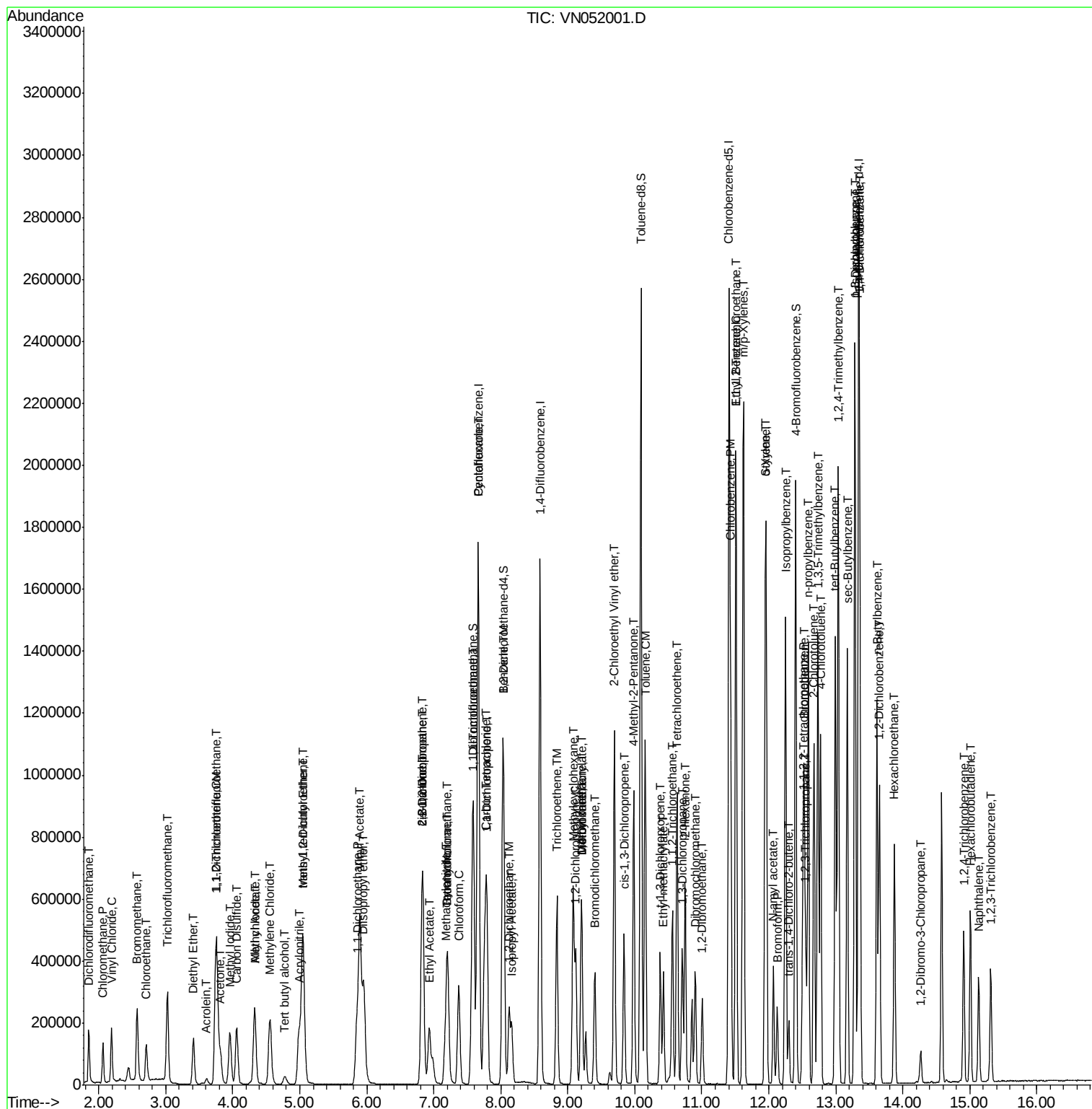
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Data File : VN052001.D
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Operator : MD\SY
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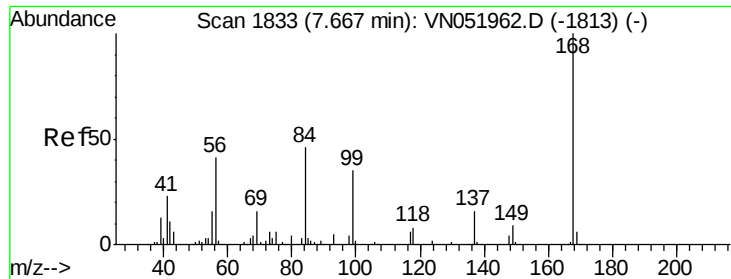
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion:168 Resp: 1200871

Ion Ratio Lower Upper

168 100

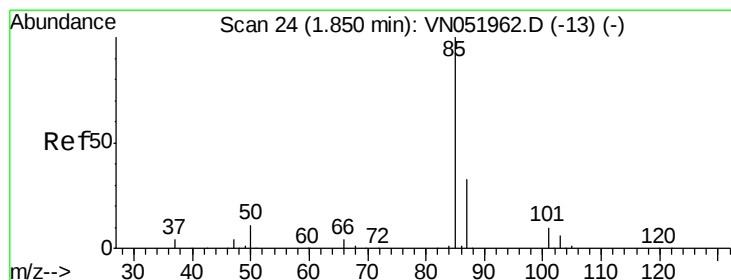
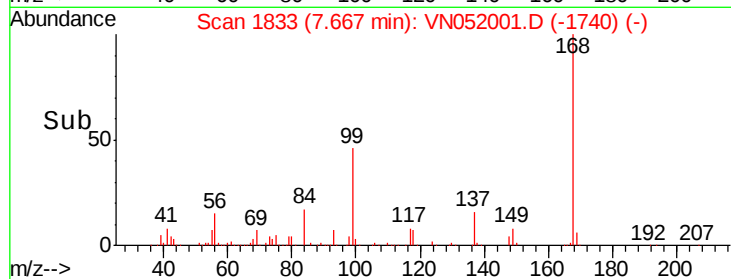
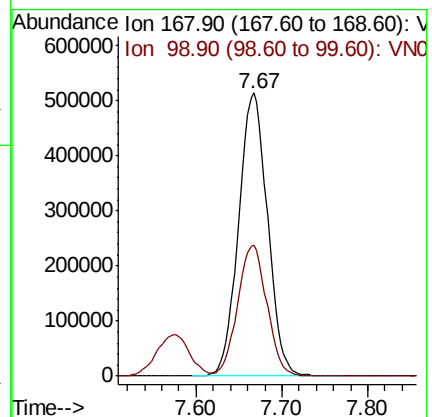
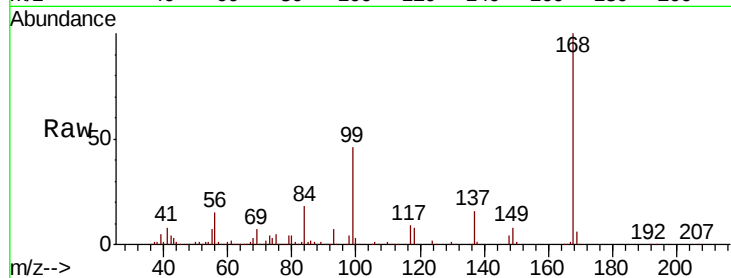
99 46.2 37.8 56.6

Manual Integrations

APPROVED

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10/26/2018 9:19:33 AM



#2

Dichlorodifluoromethane

Concen: 18.177 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052001.D

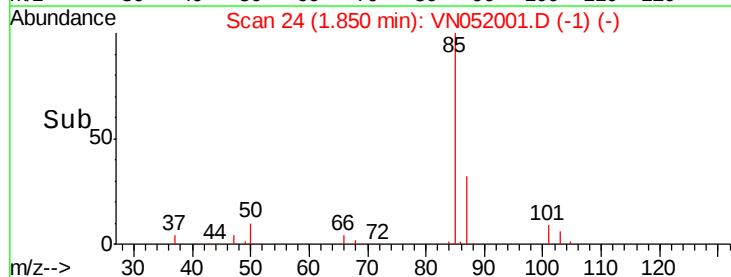
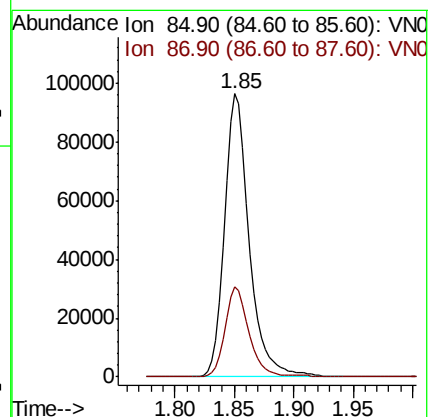
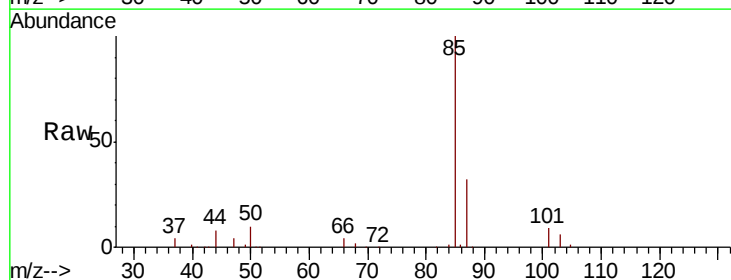
Acq: 25 Oct 2018 10:27

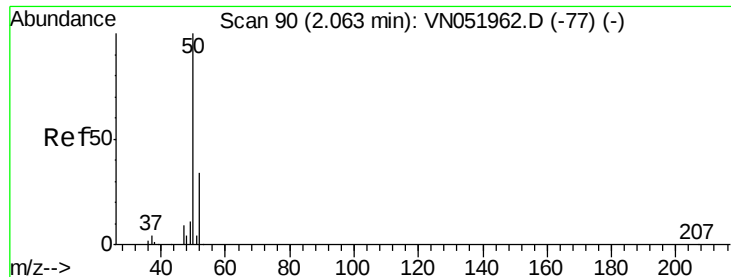
Tgt Ion: 85 Resp: 138521

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2





#3

Chloromethane

Concen: 18.104 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 50 Resp: 124223

Ion Ratio Lower Upper

50 100

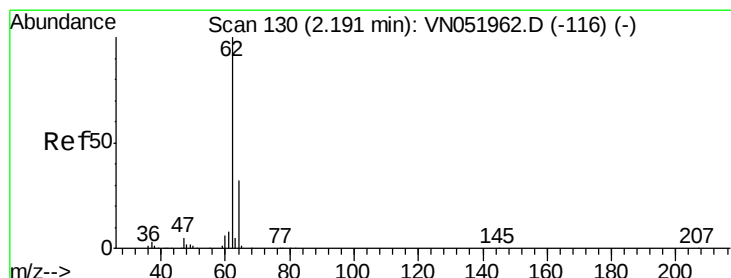
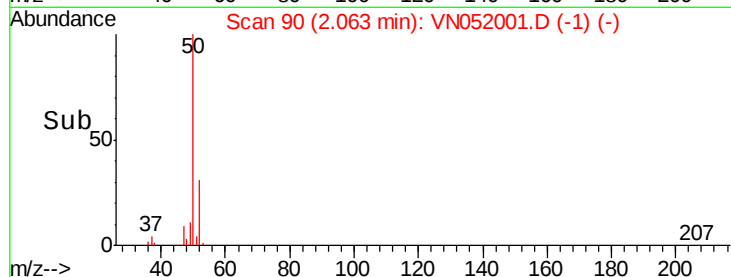
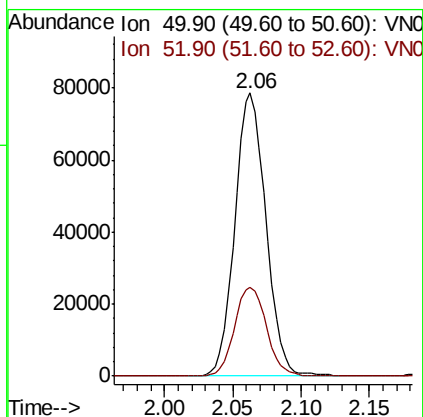
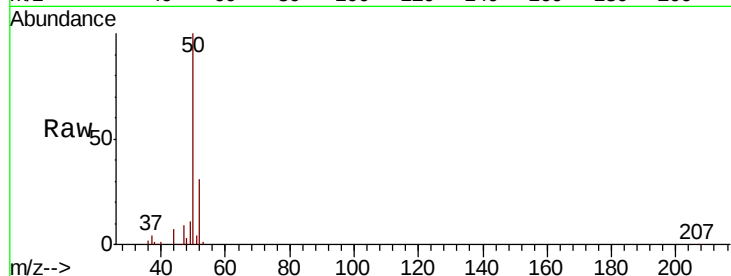
52 31.5 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.817 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052001.D

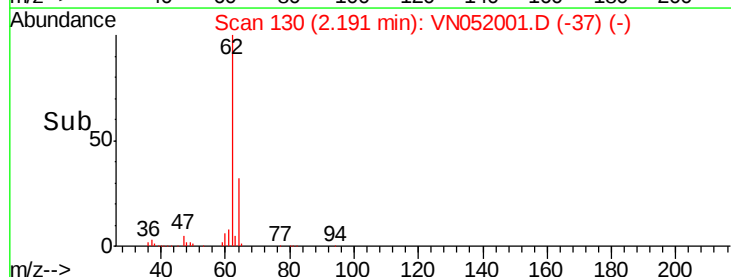
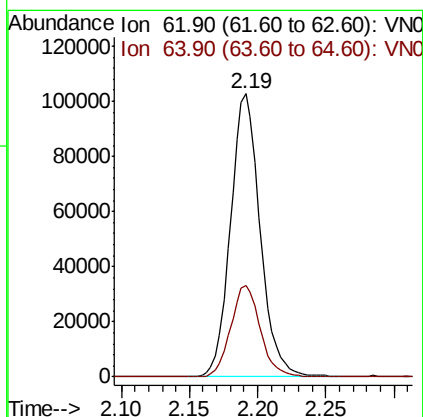
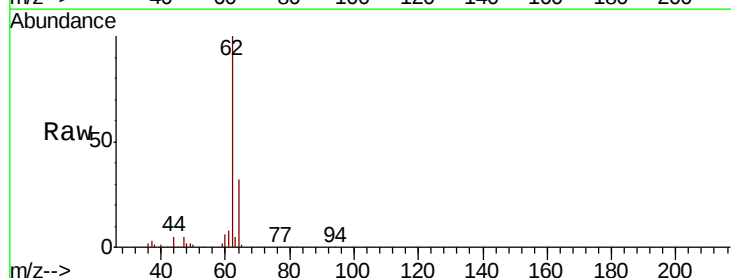
Acq: 25 Oct 2018 10:27

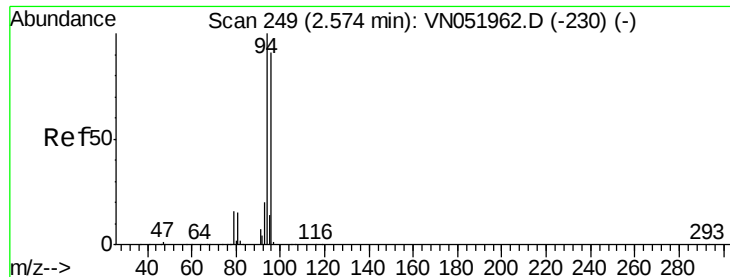
Tgt Ion: 62 Resp: 154667

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0





#5

Bromomethane

Concen: 18.901 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 94 Resp: 166437

Ion Ratio Lower Upper

94 100

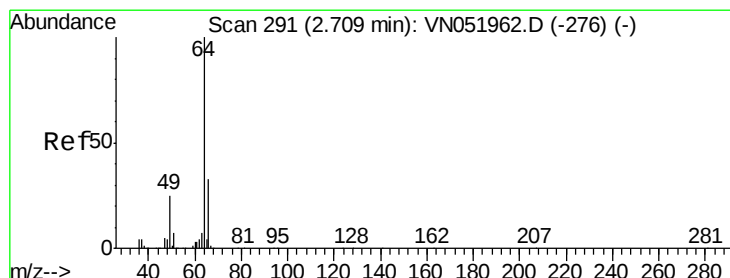
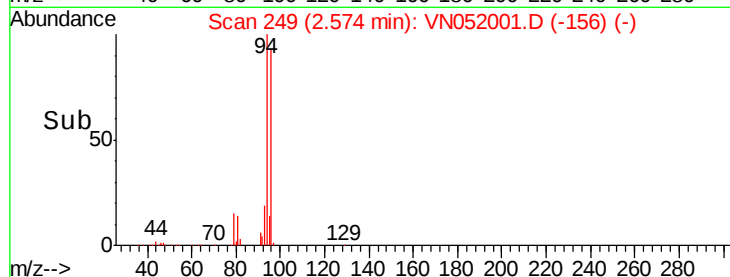
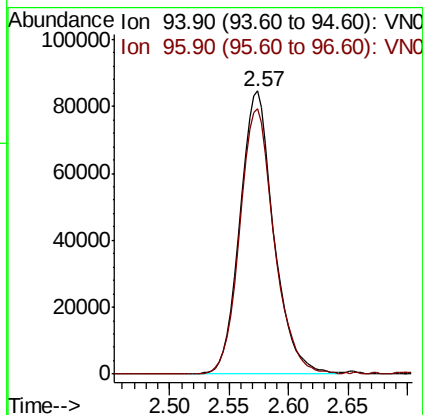
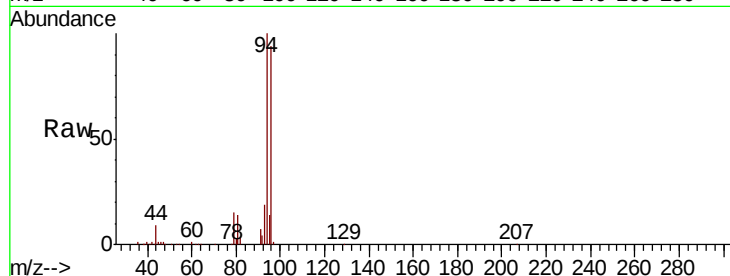
96 93.6 73.0 109.6

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#6

Chloroethane

Concen: 16.710 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052001.D

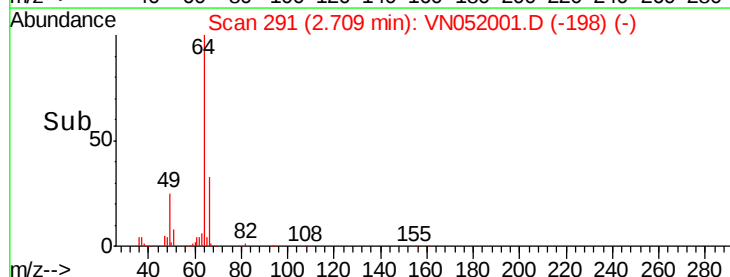
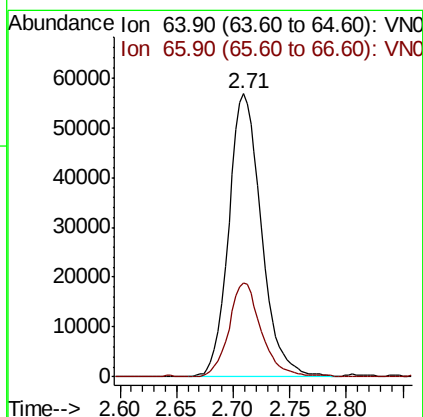
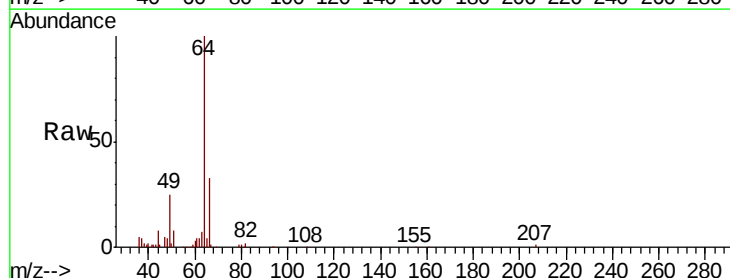
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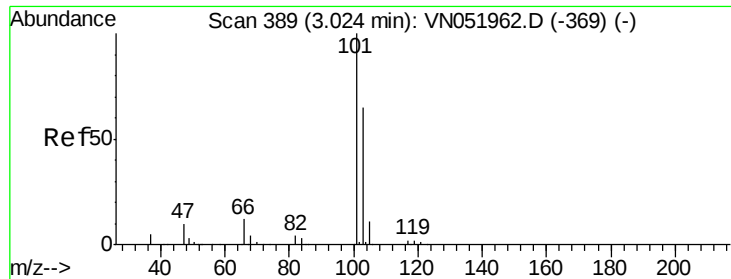
Tgt Ion: 64 Resp: 114101

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2





#7

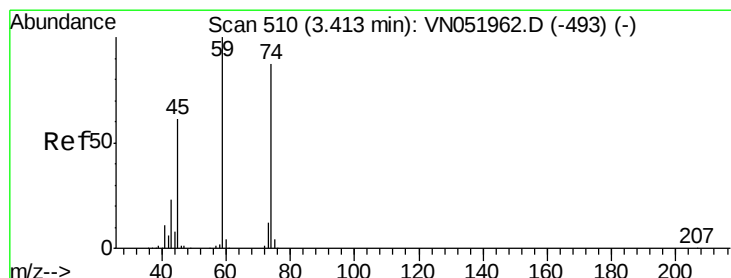
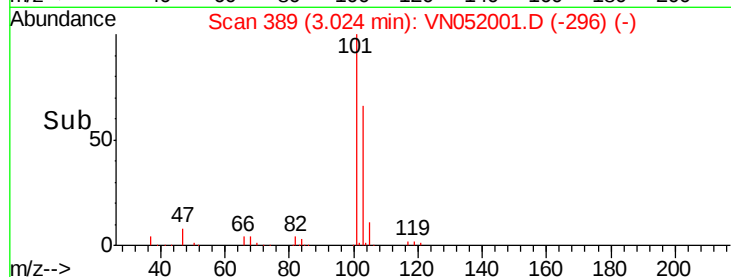
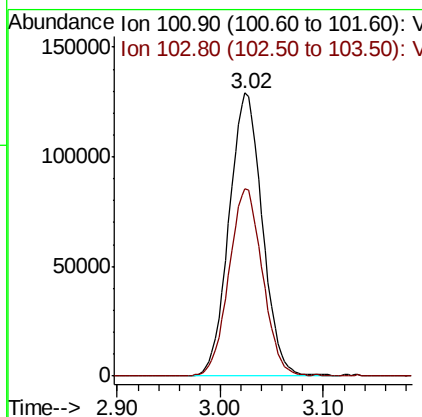
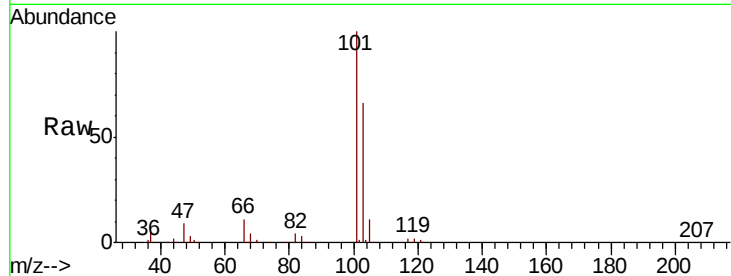
Trichlorofluoromethane
 Concen: 17.727 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
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 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.0	78.0

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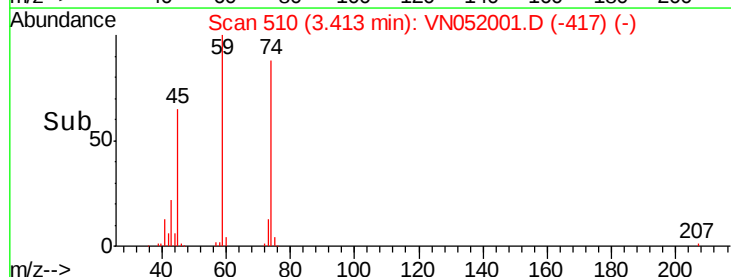
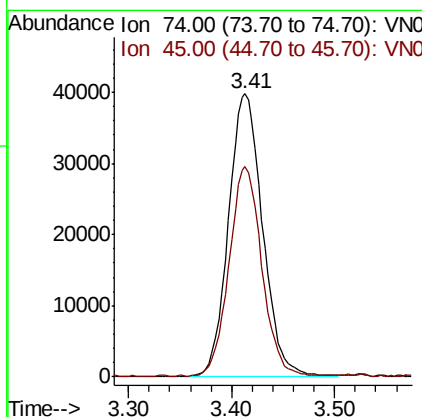
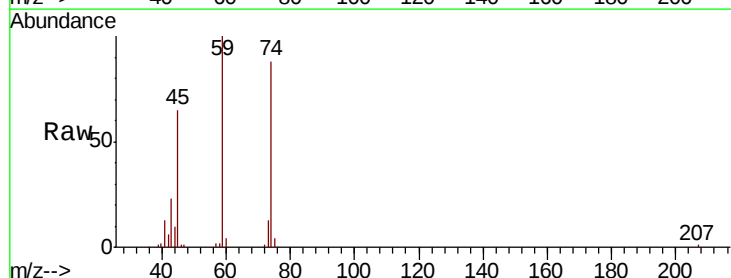
MMDadoda
 10/26/2018 9:19:33 AM

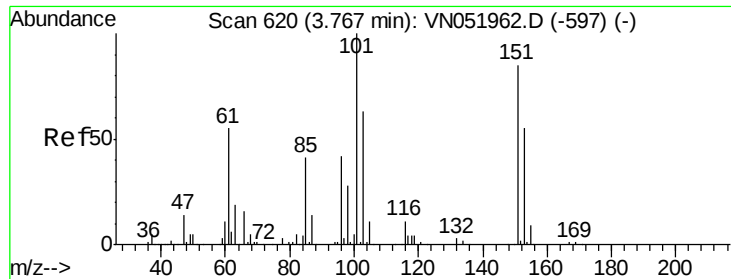


#8

Diethyl Ether
 Concen: 18.867 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	71.5	35.5	106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.962 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

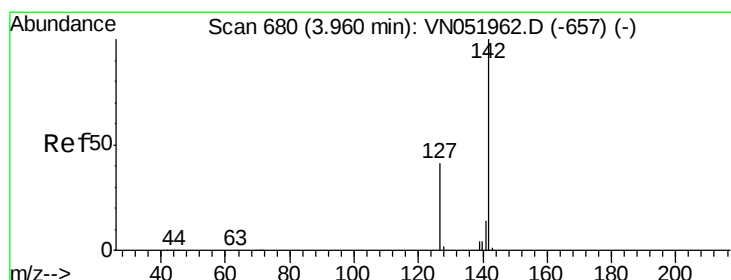
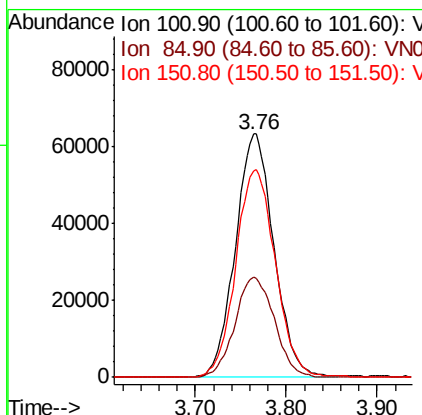
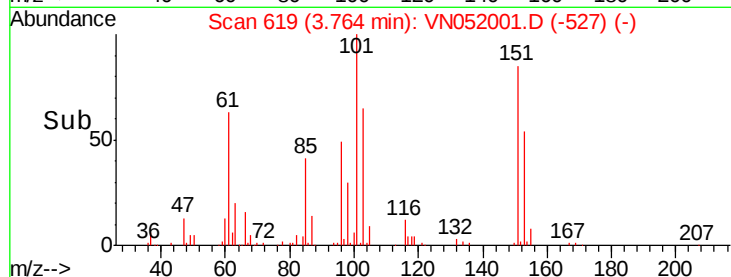
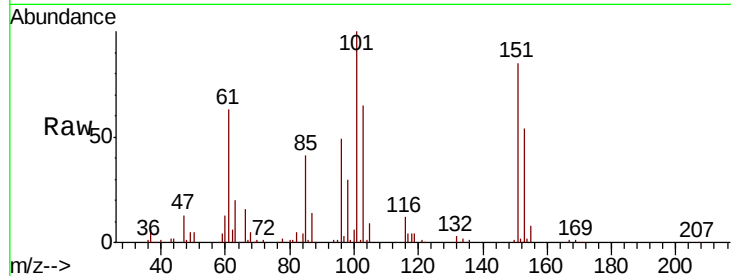
ClientSampleId :

VN1025WBS01

Tot Ion:	101	Resp:	186152
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.4
151	88.0	69.1	103.7

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#10

Methyl Iodide

Concen: 19.266 ug/l

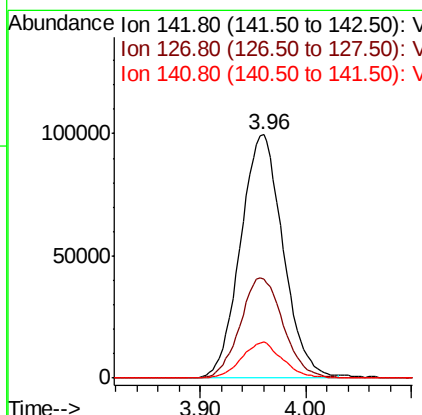
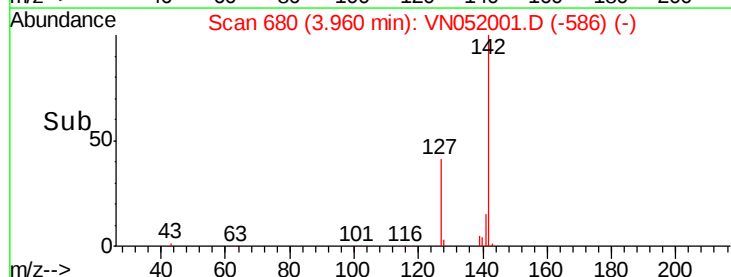
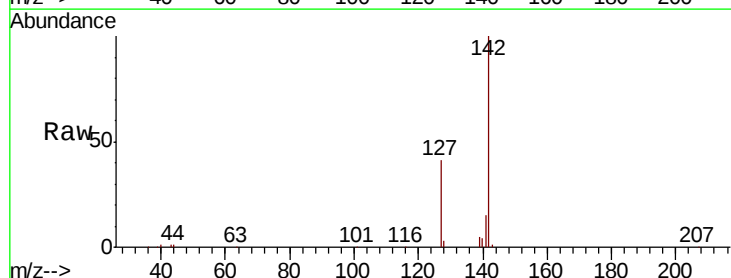
RT: 3.96 min Scan# 680

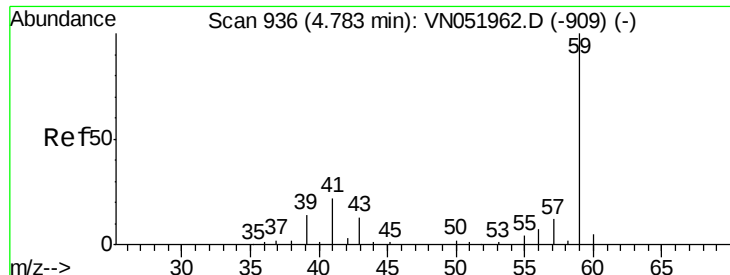
Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion:	142	Resp:	279829
Ion Ratio	Lower	Upper	
142	100		
127	41.7	34.3	51.5
141	14.2	11.4	17.0





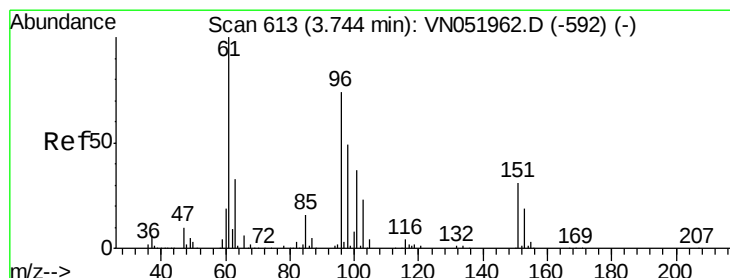
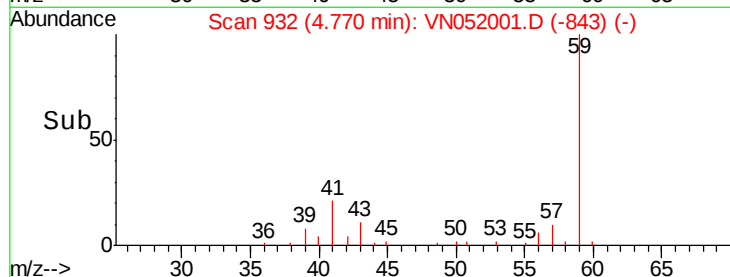
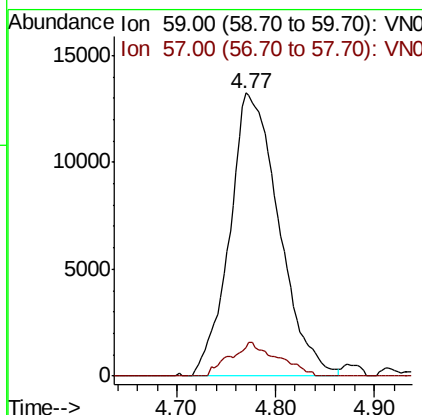
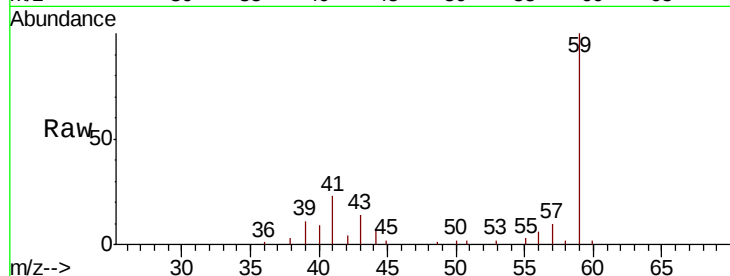
#11
Tert butyl alcohol
Concen: 82.822 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion: 59 Resp: 45842
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.4

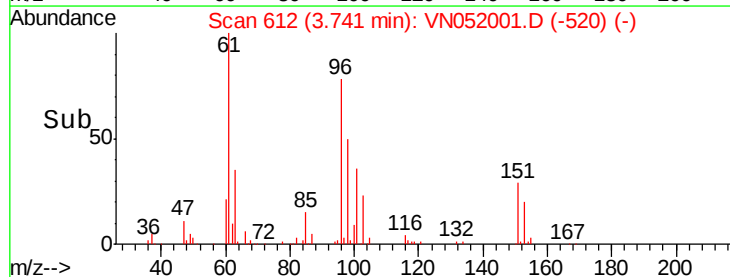
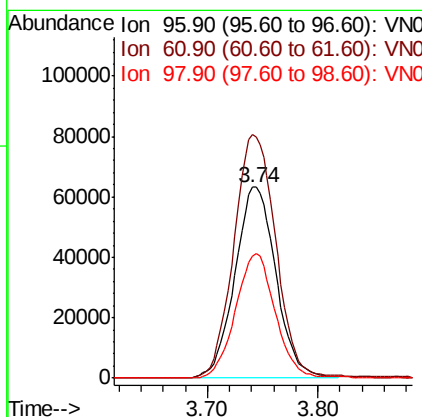
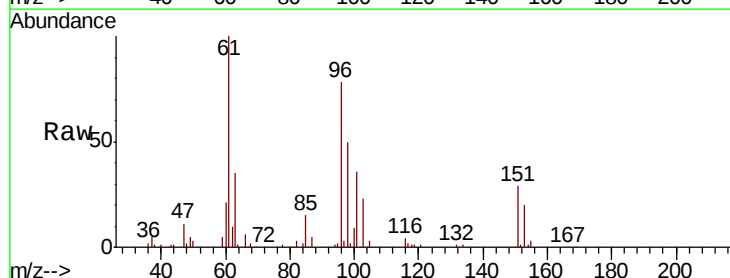
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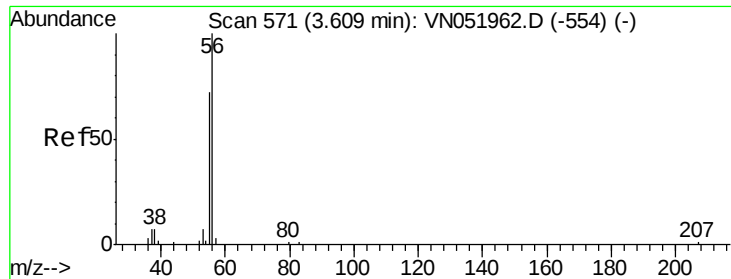
MMDadoda
10/26/2018 9:19:33 AM



#12
1,1-Dichloroethene
Concen: 18.550 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 96 Resp: 163090
Ion Ratio Lower Upper
96 100
61 127.3 107.8 161.8
98 63.7 52.7 79.1





#13

Acrolein

Concen: 97.395 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 56 Resp: 22511

Ion Ratio Lower Upper

56 100

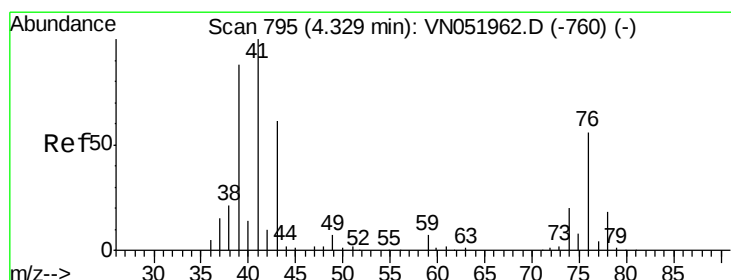
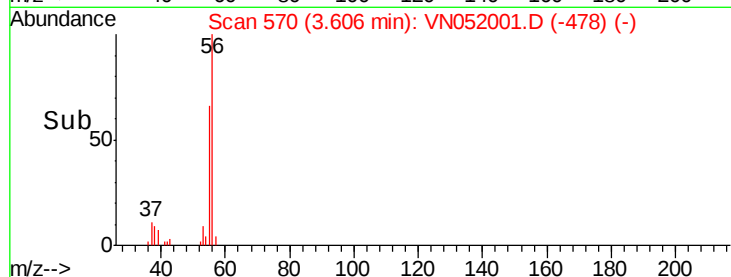
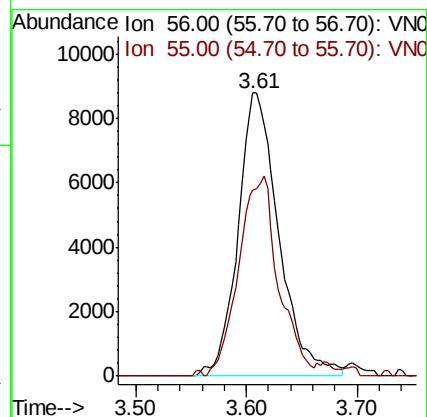
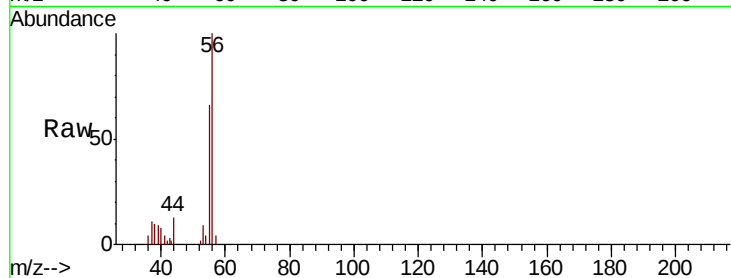
55 68.8 56.6 84.8

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#14

Allyl chloride

Concen: 17.438 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

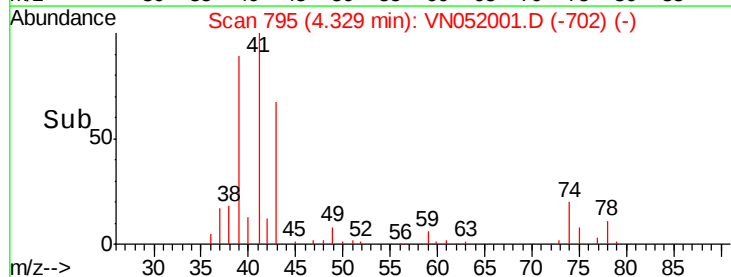
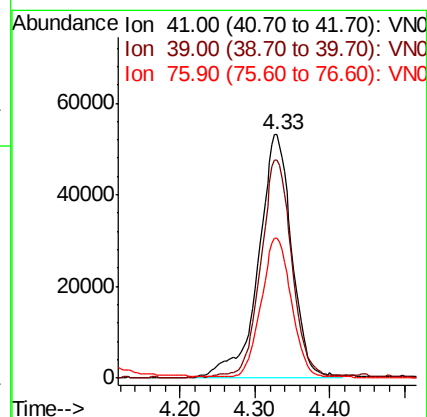
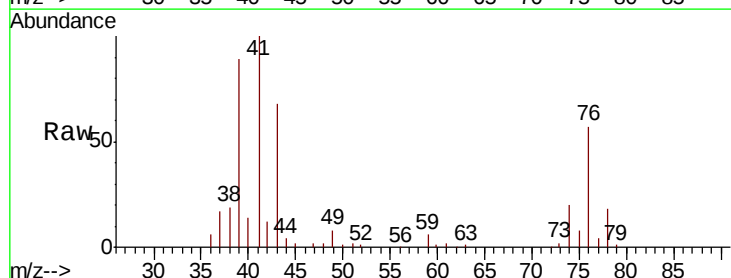
Tgt Ion: 41 Resp: 162225

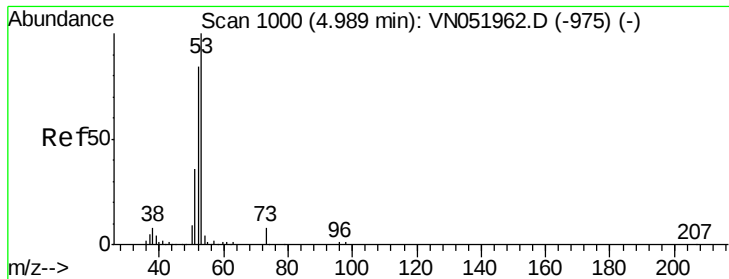
Ion Ratio Lower Upper

41 100

39 81.9 67.7 101.5

76 51.7 41.3 61.9





#15

Acrylonitrile

Concen: 93.182 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

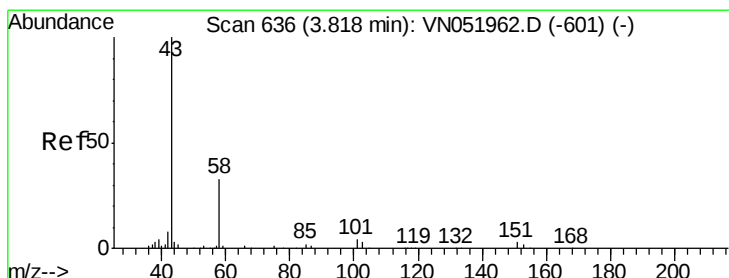
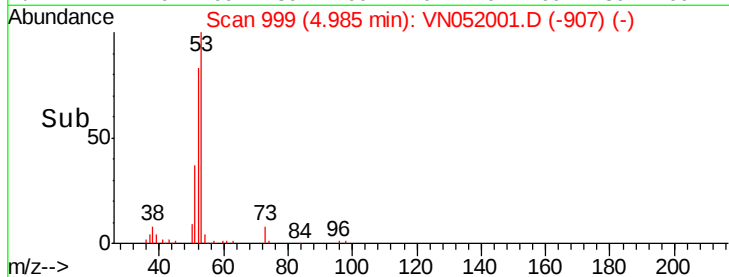
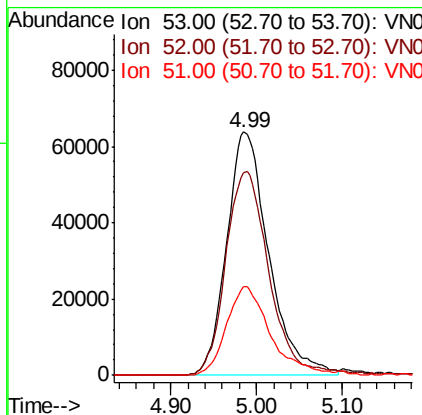
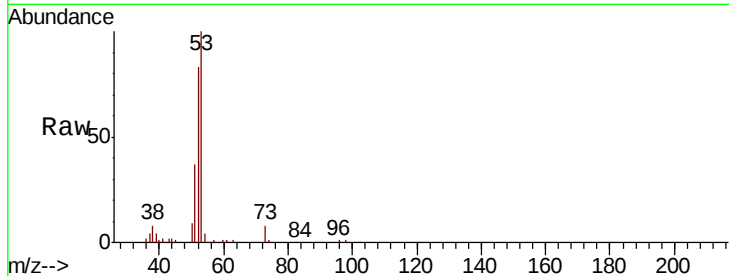
ClientSampleId :

VN1025WBS01

Tot Ion:	53	Resp:	217724
Ion	Ratio	Lower	Upper
53	100		
52	85.7	67.0	100.4
51	38.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 87.400 ug/l

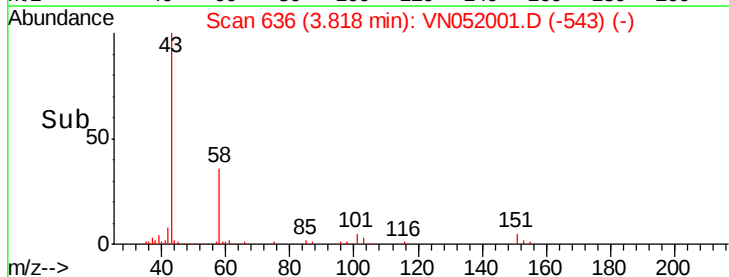
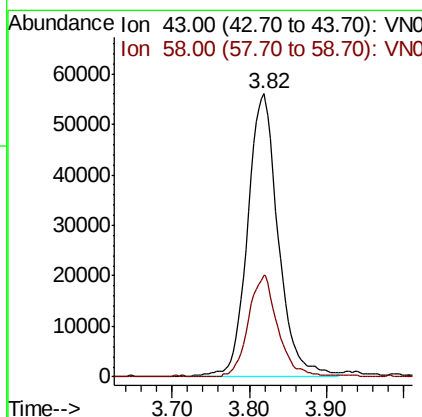
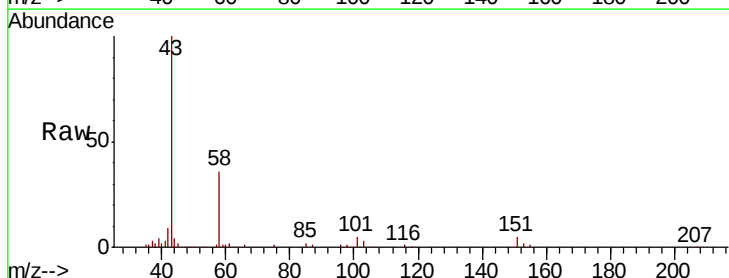
RT: 3.82 min Scan# 636

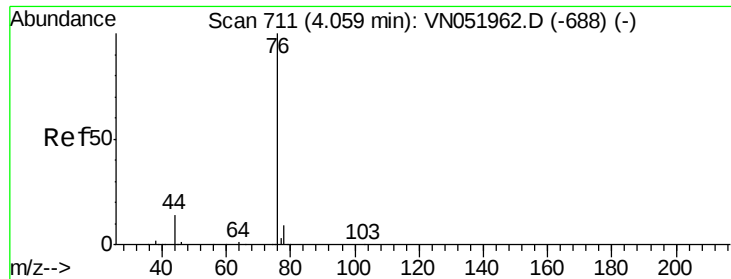
Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion:	43	Resp:	154009
Ion	Ratio	Lower	Upper
43	100		
58	35.8	26.7	40.1





#17

Carbon Disulfide

Concen: 17.575 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 76 Resp: 367297

Ion Ratio Lower Upper

76 100

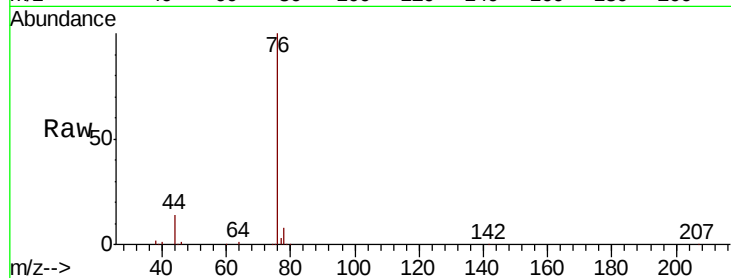
78 8.4 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

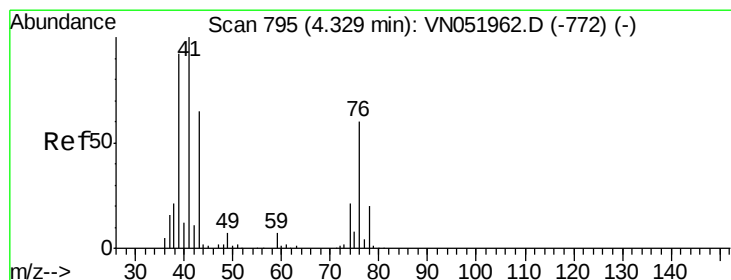
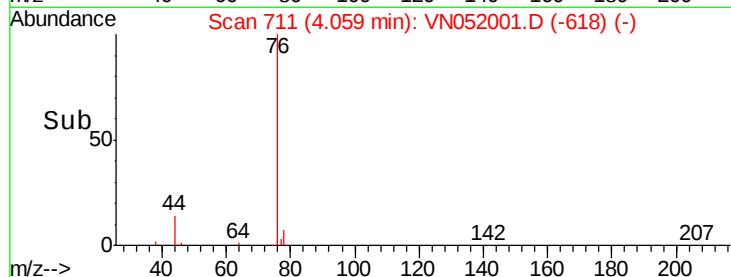
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 18.542 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052001.D

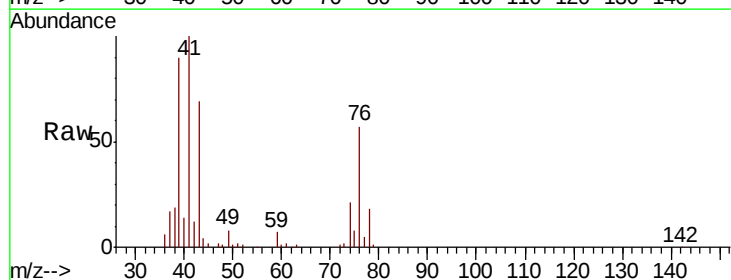
Acq: 25 Oct 2018 10:27

Tgt Ion: 43 Resp: 106992

Ion Ratio Lower Upper

43 100

74 31.1 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.33

40000

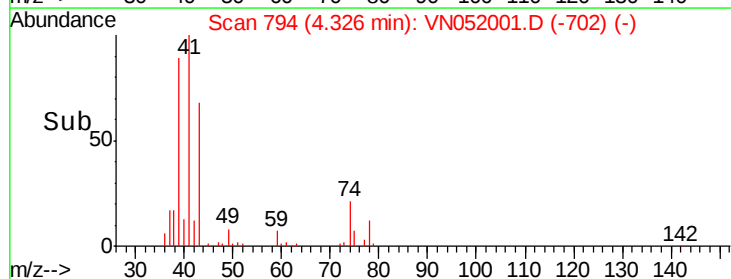
30000

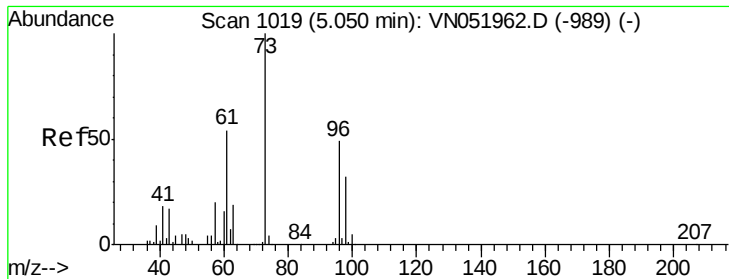
20000

10000

0

Time-->





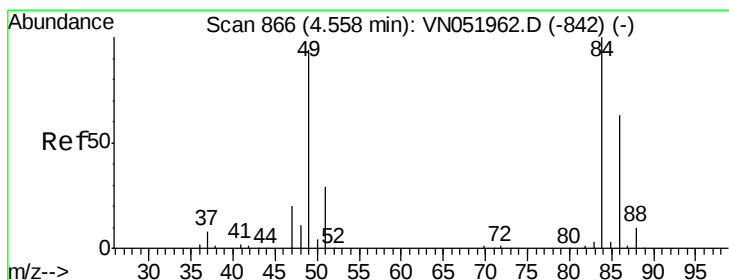
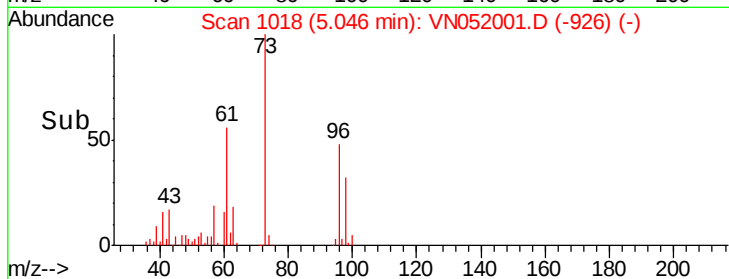
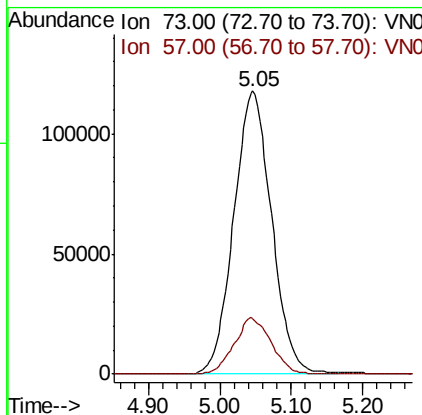
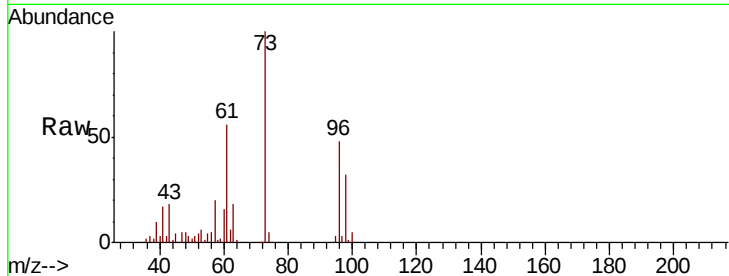
#19
Methvl tert-butvl Ether
Concen: 18.424 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampled :
VN1025WBS01

Tot Ion: 73 Resp: 434892
Ion Ratio Lower Upper
73 100
57 19.6 15.9 23.9

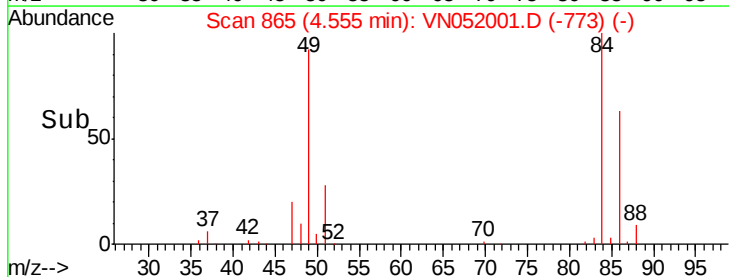
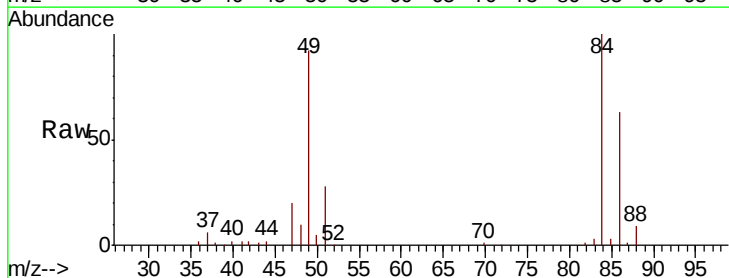
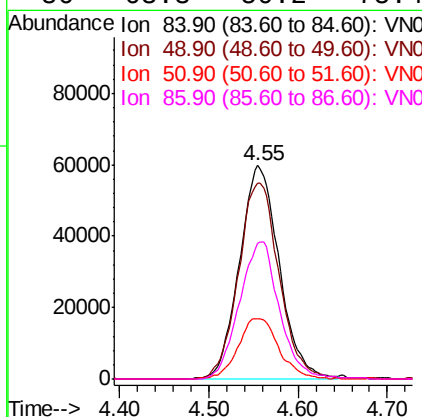
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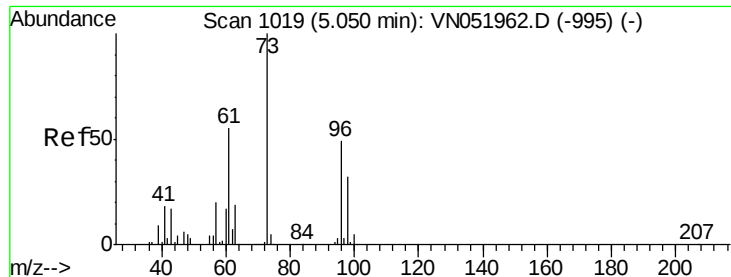
MMDadoda
10/26/2018 9:19:33 AM



#20
Methylene Chloride
Concen: 17.953 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 84 Resp: 185578
Ion Ratio Lower Upper
84 100
49 91.5 75.4 113.0
51 28.1 23.1 34.7
86 63.3 50.2 75.4





#21

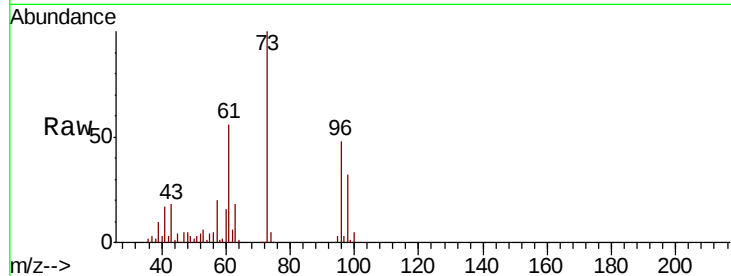
trans-1,2-Dichloroethene
Concen: 18.502 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	115.7	89.0	133.4
98	65.8	51.8	77.8

Manual Integrations
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MMDadoda
10/26/2018 9:19:33 AM

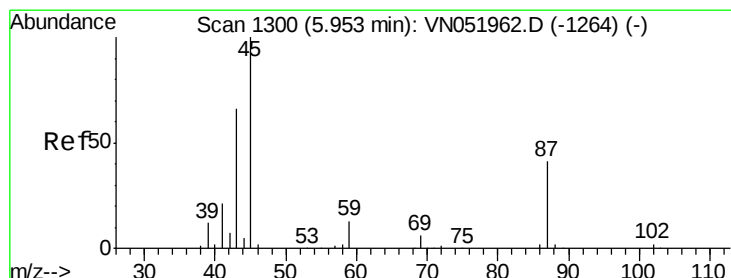
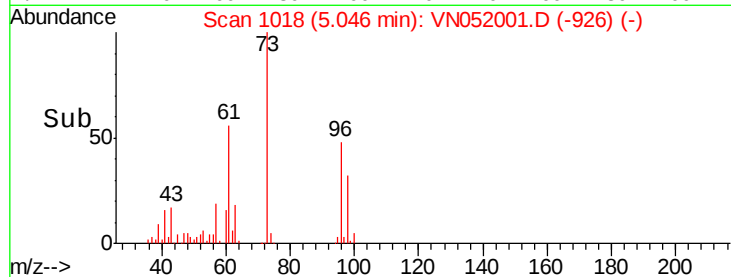
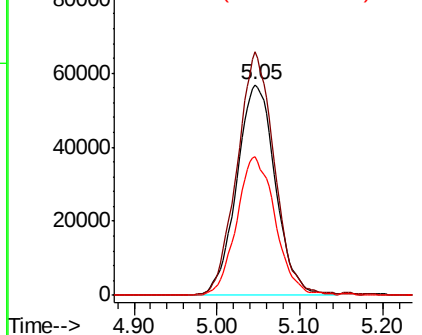


Abundance

Ion 95.90 (95.60 to 96.60): VN051962.D (-995) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-995) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-995) (-)



#22

Diisopropyl ether
Concen: 18.450 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	52.9	79.3
87	41.3	33.4	50.0
59	14.3	10.5	15.7

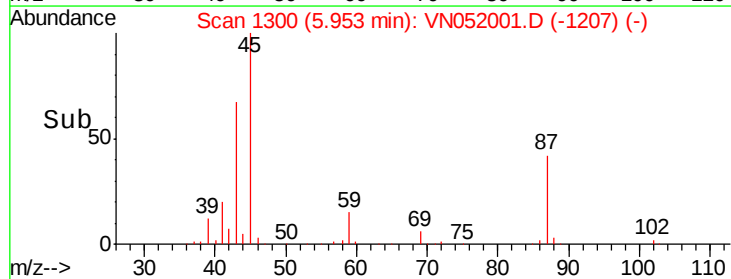
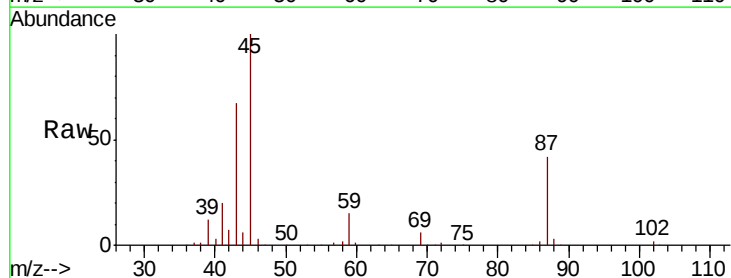
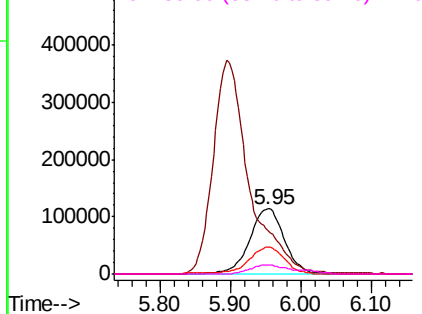
Abundance

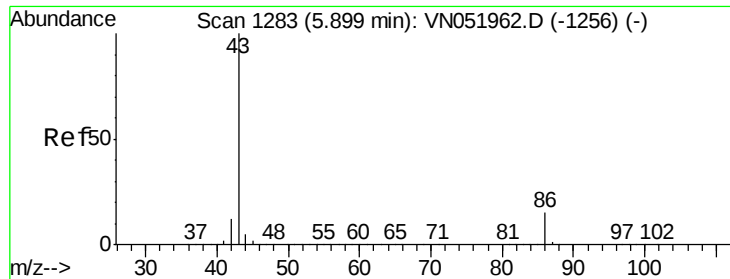
Ion 45.00 (44.70 to 45.70): VN051962.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN051962.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN051962.D (-1264) (-)





#23

Vinyl Acetate

Concen: 92.175 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 43 Resp: 1334603

Ion Ratio Lower Upper

43 100

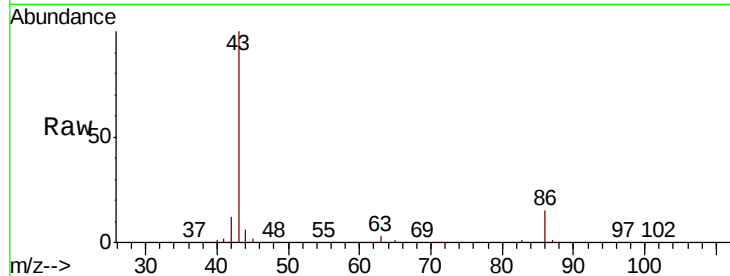
86 14.7 11.9 17.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051962.D (-1256) (-)

5.90

400000

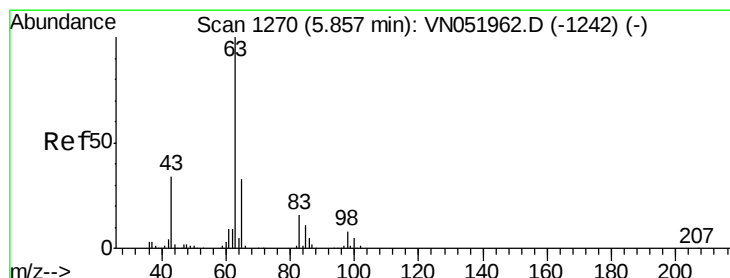
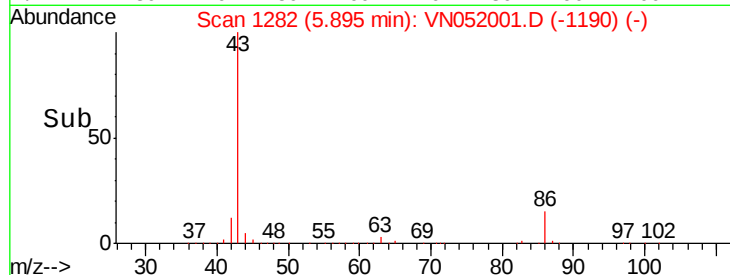
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.292 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

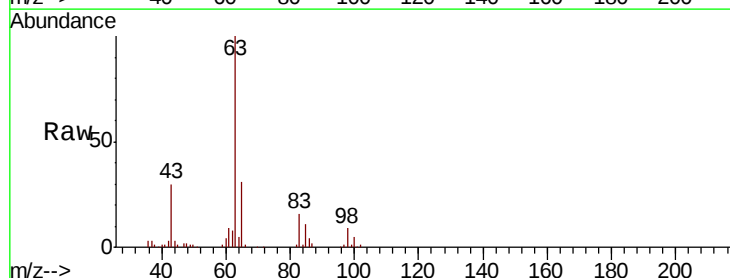
Tgt Ion: 63 Resp: 284240

Ion Ratio Lower Upper

63 100

98 8.7 3.9 11.7

100 5.4 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051962.D (-1242) (-)

5.85

120000

100000

80000

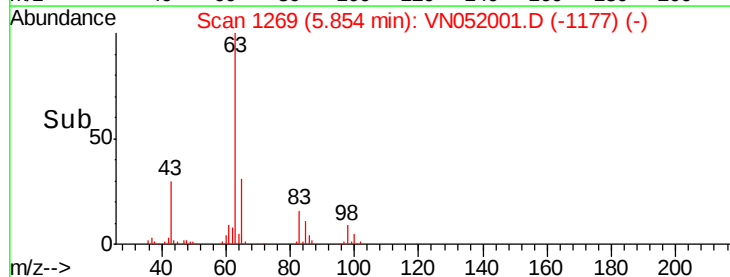
60000

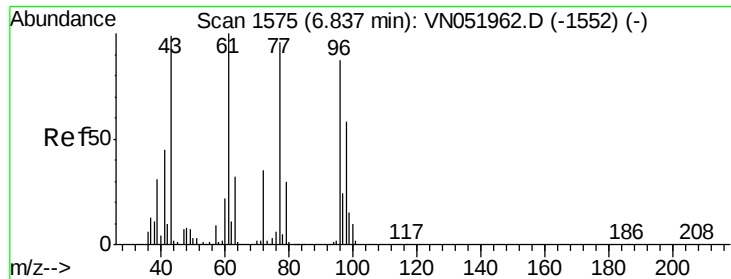
40000

20000

0

Time-->





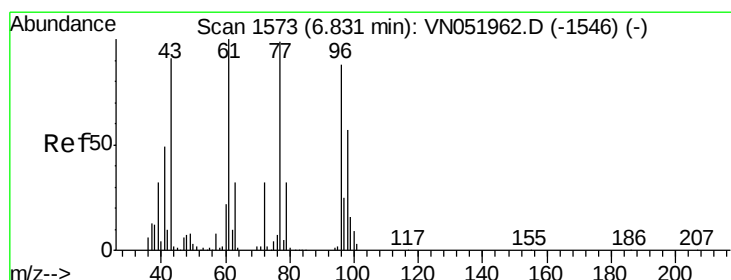
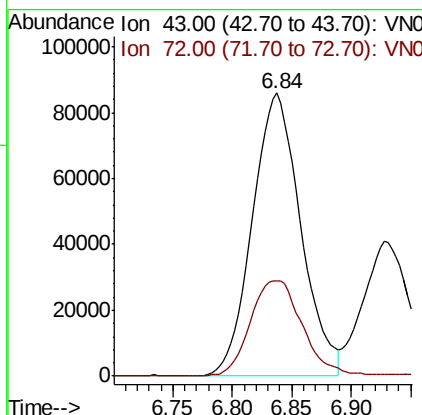
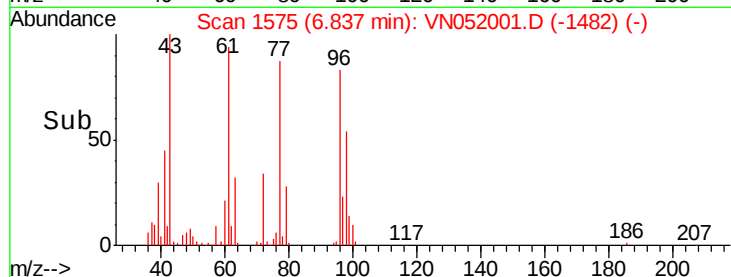
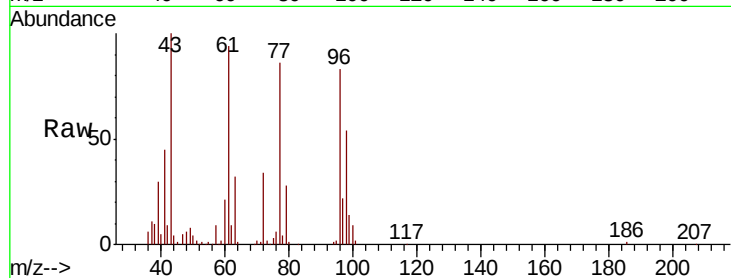
#25
2-Butanone
Concen: 96.413 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	33.7	28.5	42.7

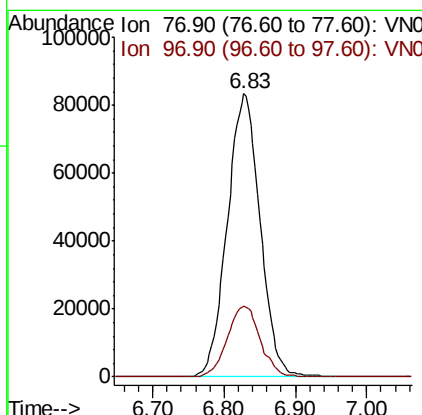
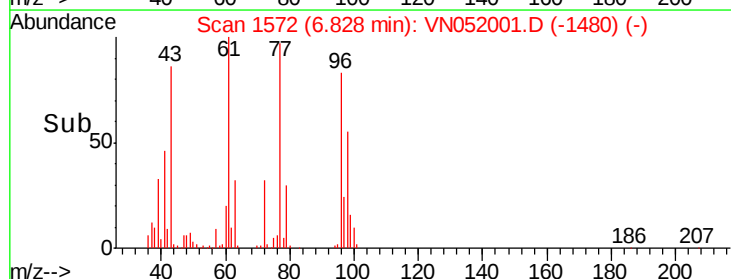
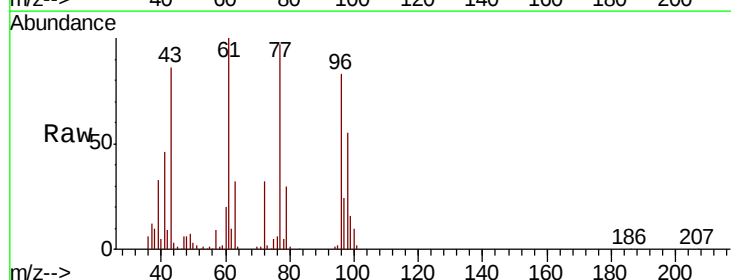
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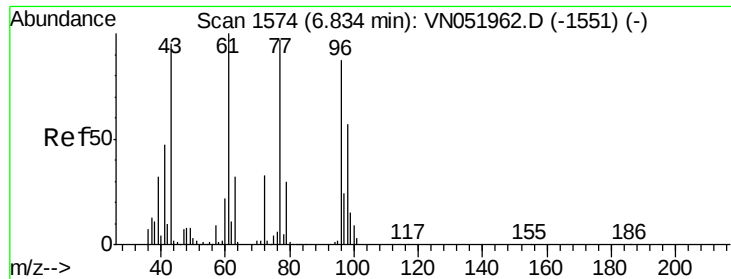
MMDadoda
10/26/2018 9:19:33 AM



#26
2,2-Dichloropropane
Concen: 18.761 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.1	12.6	37.6





#27

cis-1,2-Dichloroethene

Concen: 18.587 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

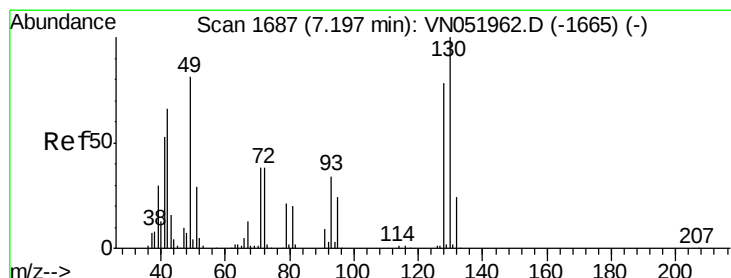
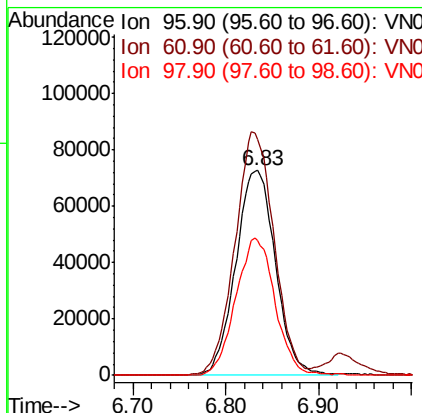
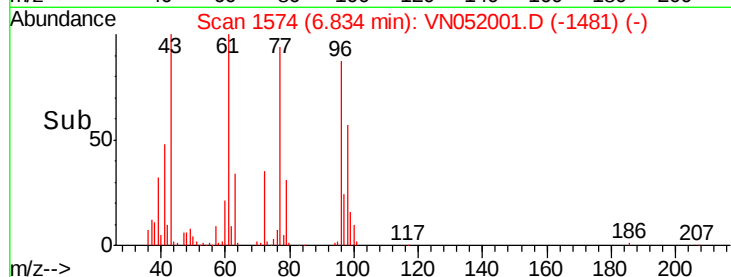
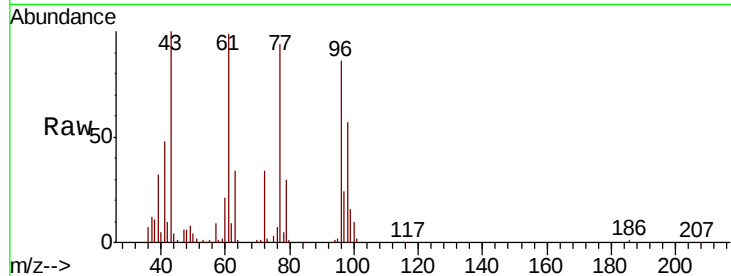
ClientSampleId :

VN1025WBS01

Tot Ion:	96	Resp:	216190
Ion Ratio	Lower	Upper	
96	100		
61	116.8	0.0	234.4
98	66.2	0.0	131.6

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#28

Bromochloromethane

Concen: 18.640 ug/l

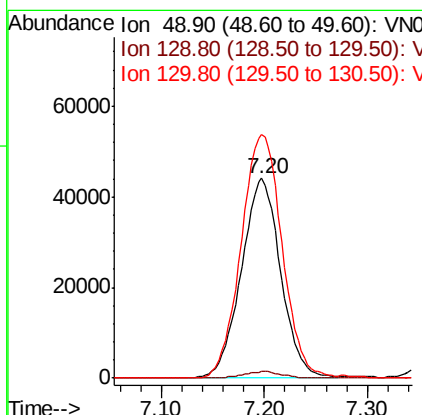
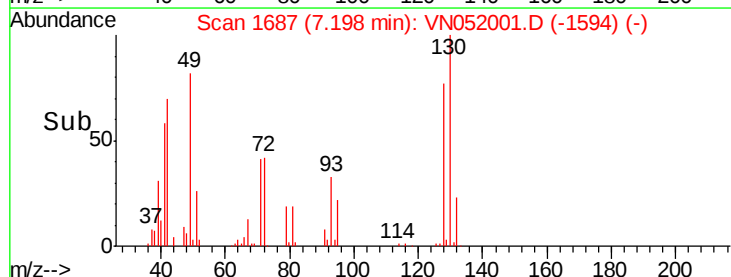
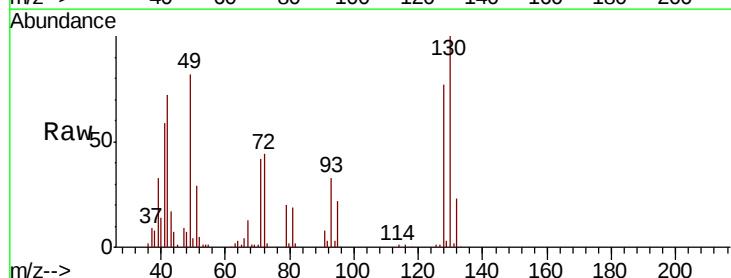
RT: 7.20 min Scan# 1687

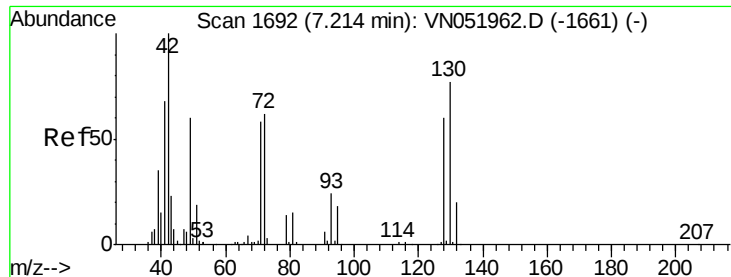
Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion:	49	Resp:	116737
Ion Ratio	Lower	Upper	
49	100		
129	3.1	0.0	5.4
130	127.2	97.0	145.6





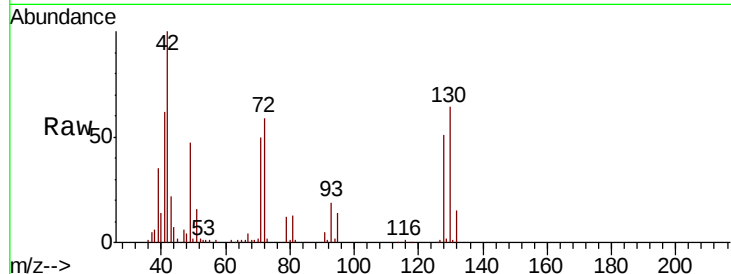
#29
Tetrahydrofuran
Concen: 87.540 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

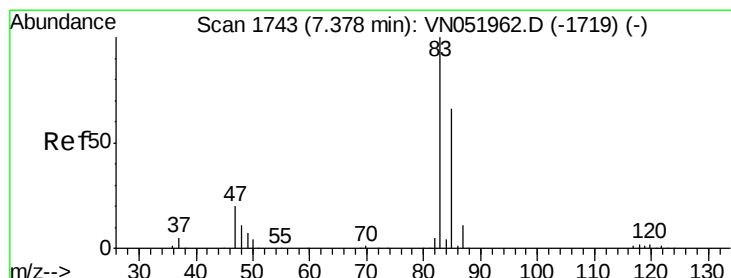
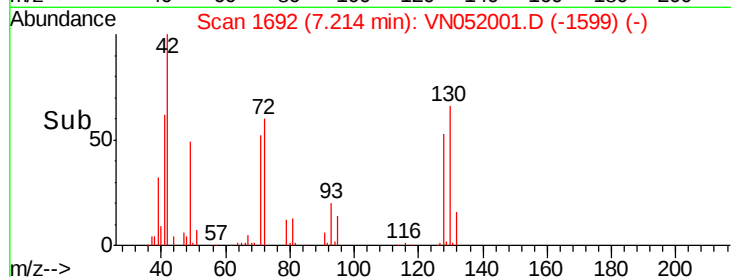
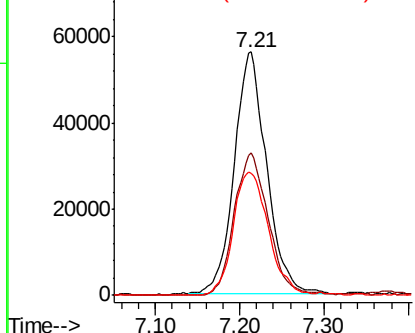
Tot Ion	Ratio	Lower	Upper
42	100		
72	62.3	47.5	71.3
71	55.7	45.4	68.2

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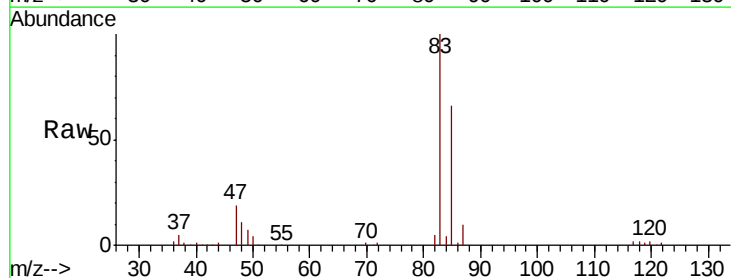


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

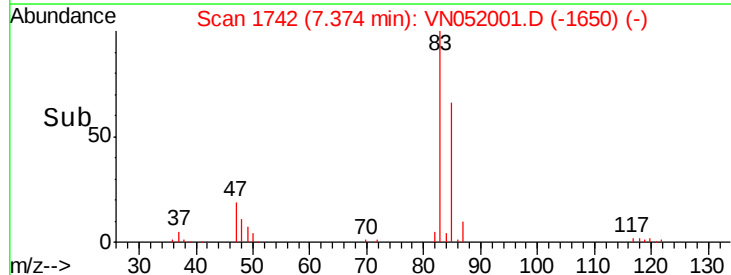
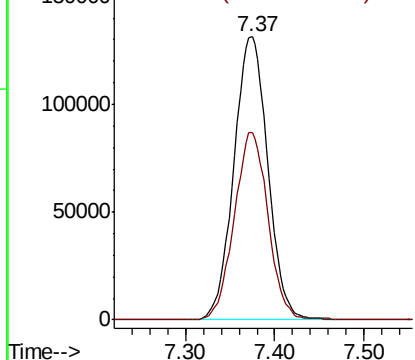


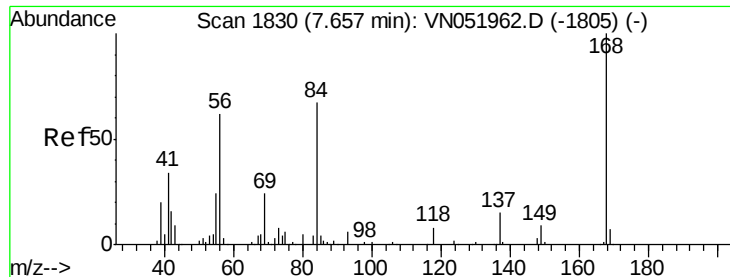
#30
Chloroform
Concen: 18.299 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





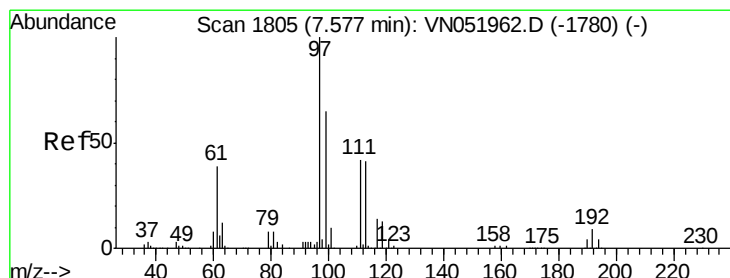
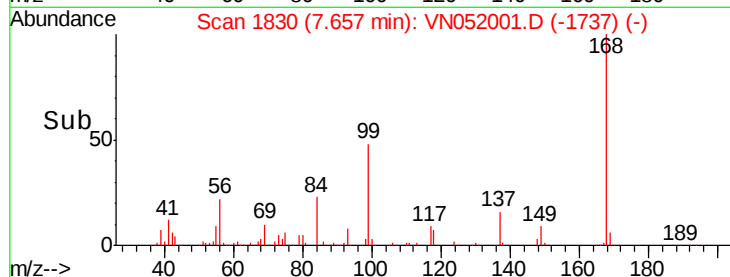
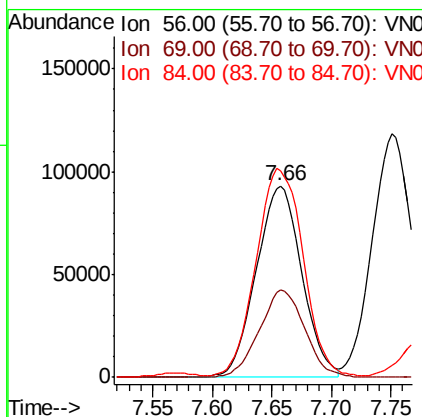
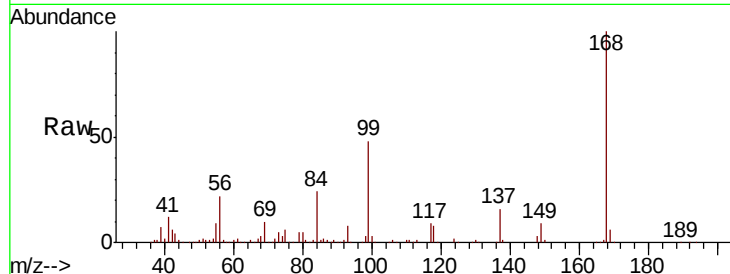
#31
Cyclohexane
Concen: 18.110 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.5	31.2	46.8
84	106.3	86.3	129.5

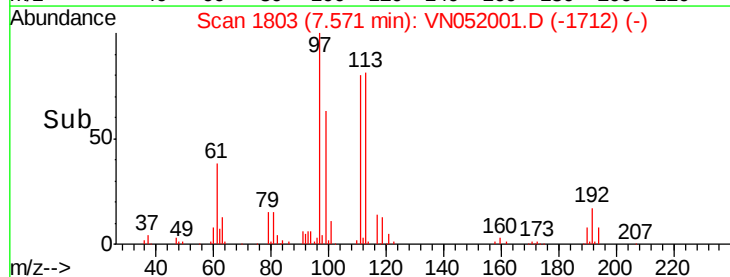
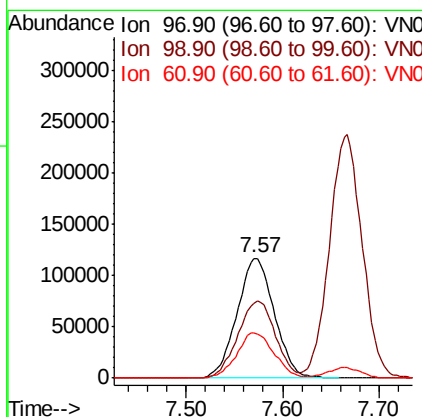
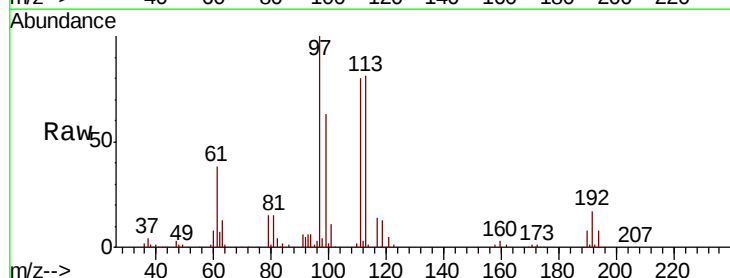
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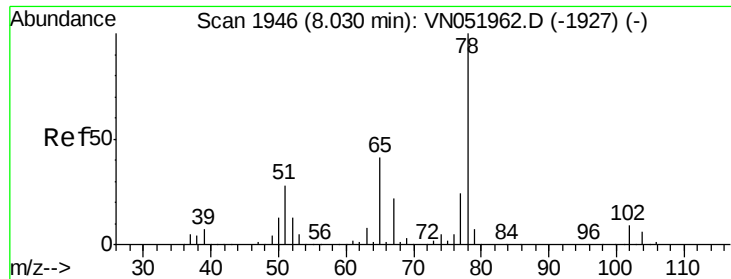
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#32
1,1,1-Trichloroethane
Concen: 18.052 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.5	77.3
61	37.6	30.1	45.1





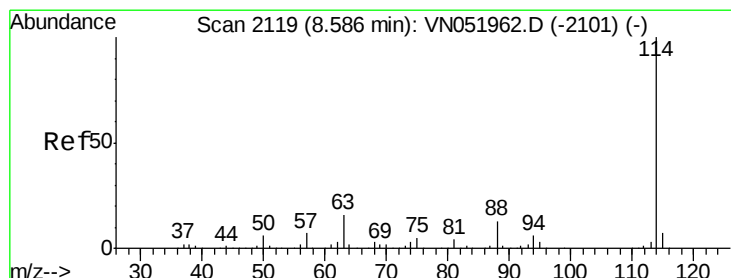
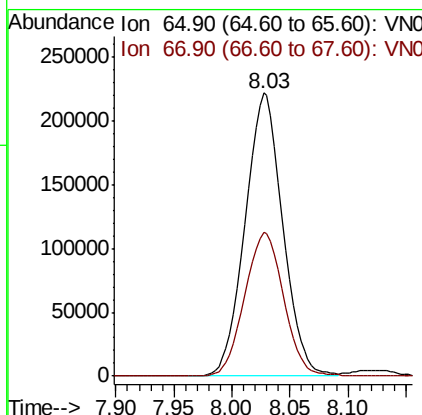
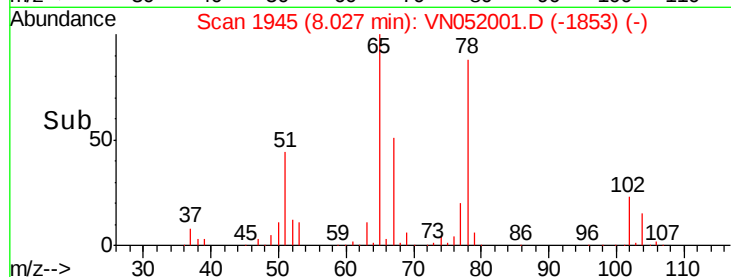
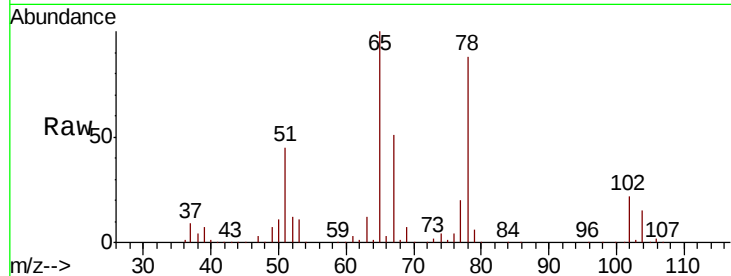
#33
 1,2-Dichloroethane-d4
 Concen: 18.052 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	502091		
67	52.3	0.0	105.8	

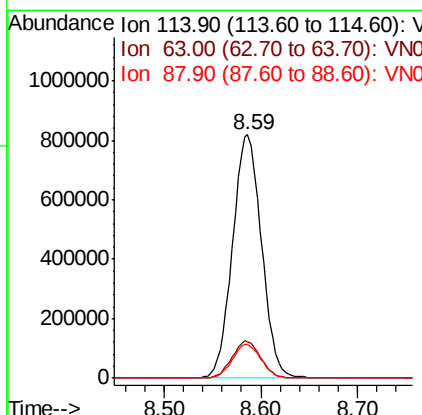
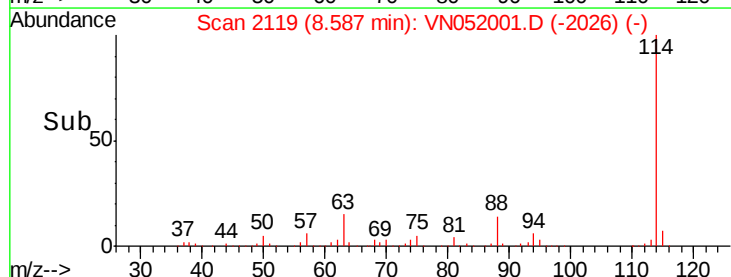
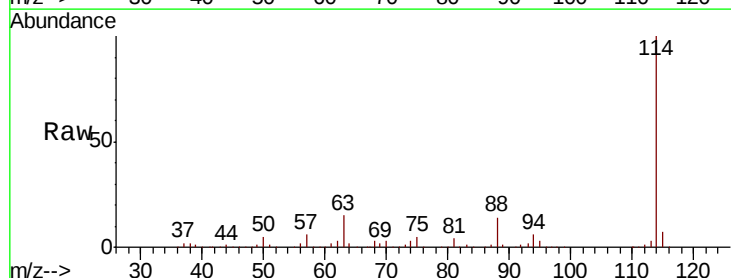
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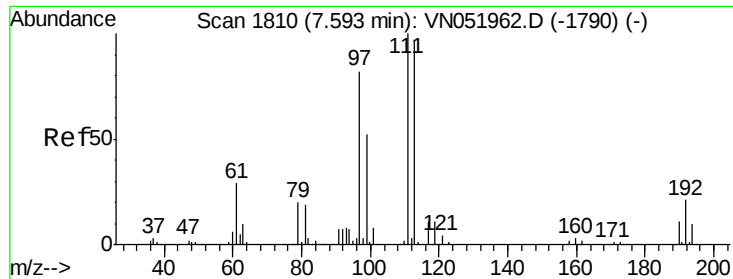
MMDadoda
 10/26/2018 9:19:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1703206		
63	15.1	0.0	31.2	
88	13.8	0.0	27.0	





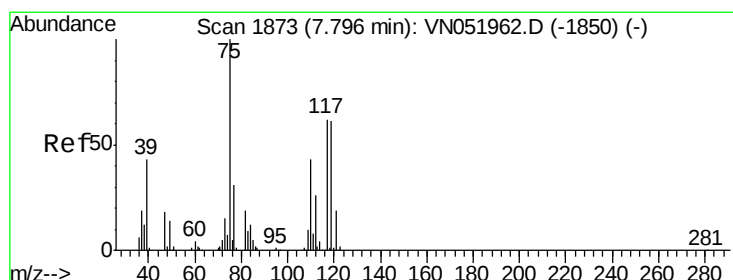
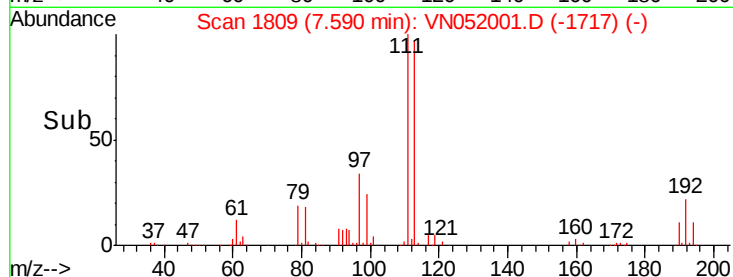
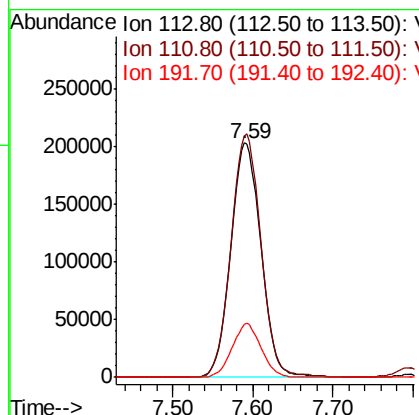
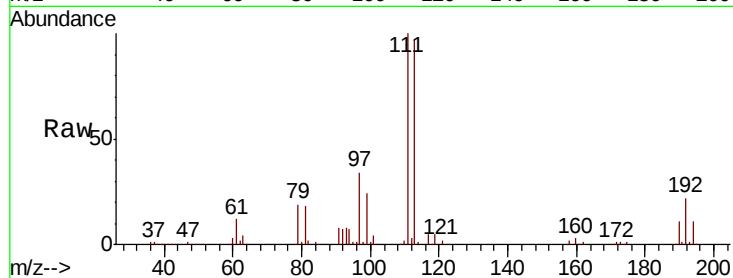
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	521919		
111	102.3	80.7	121.1	
192	21.9	17.2	25.8	

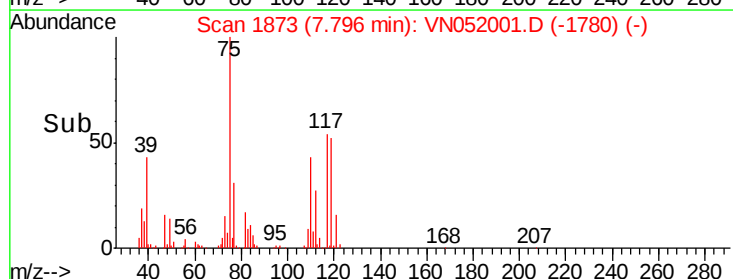
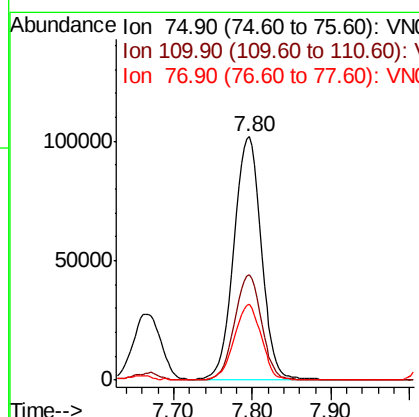
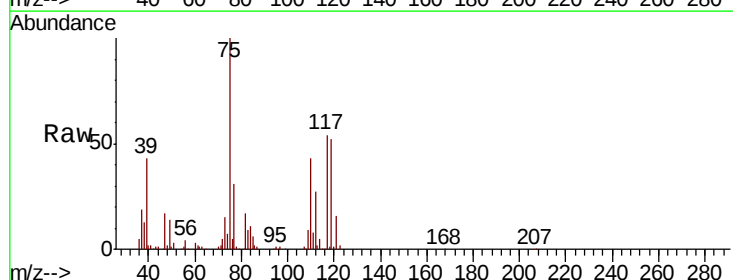
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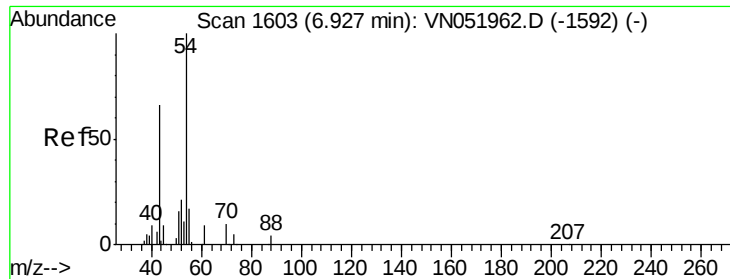
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#36
 1,1-Dichloropropene
 Concen: 18.989 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248092		
110	42.5	20.9	62.8	
77	30.8	24.9	37.3	





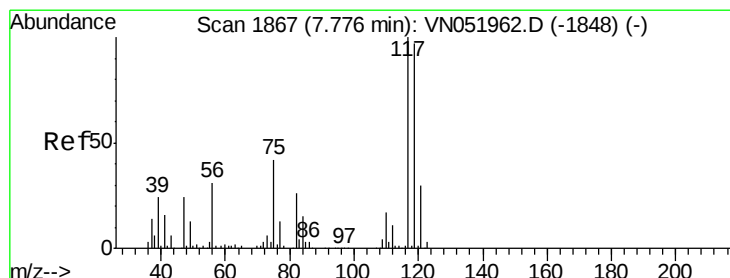
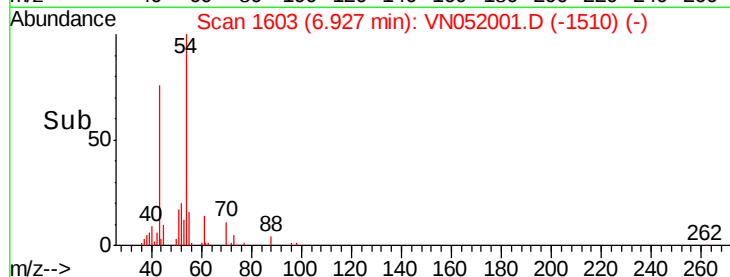
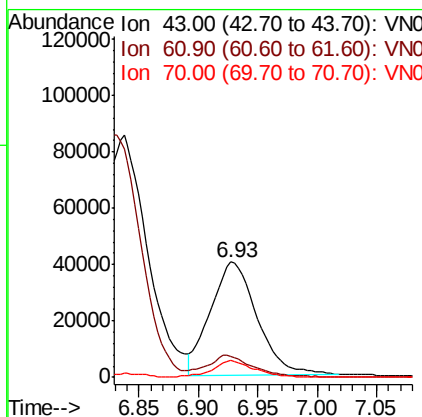
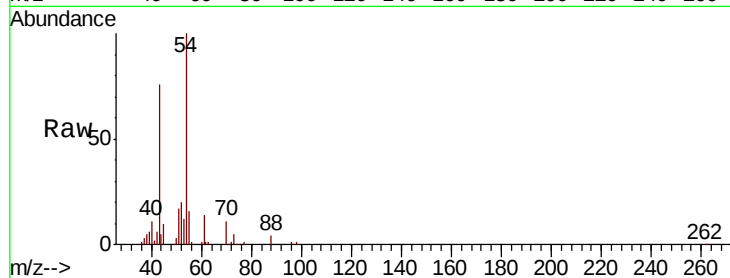
#37
Ethyl Acetate
Concen: 17.706 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	13.5	20.3
70	13.2	9.8	14.6

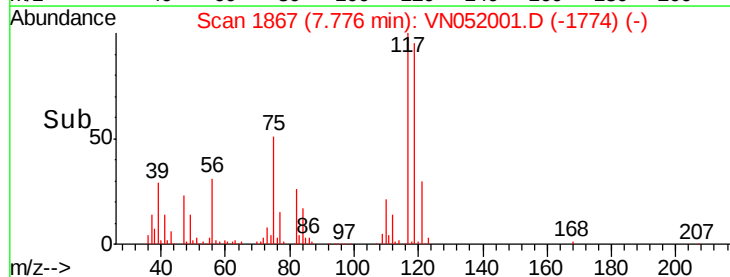
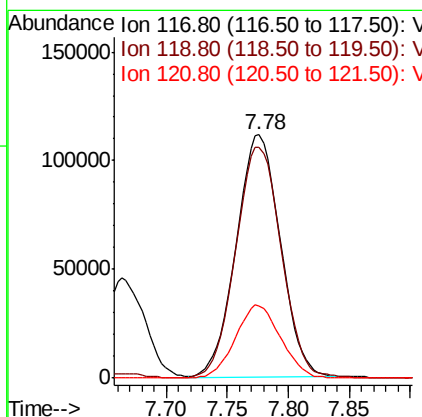
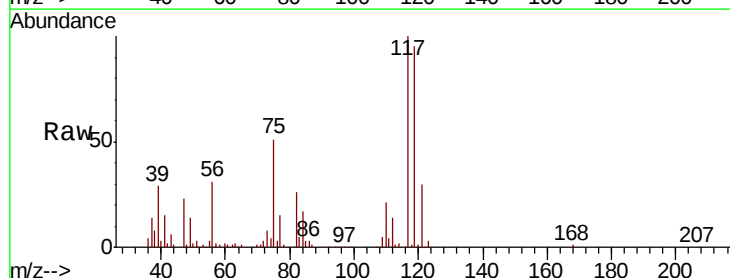
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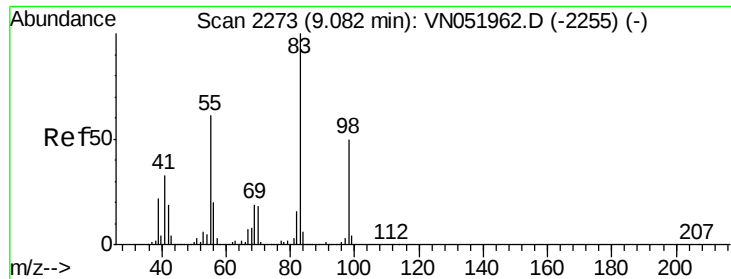
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#38
Carbon Tetrachloride
Concen: 18.666 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.4	116.0
121	29.9	24.2	36.4





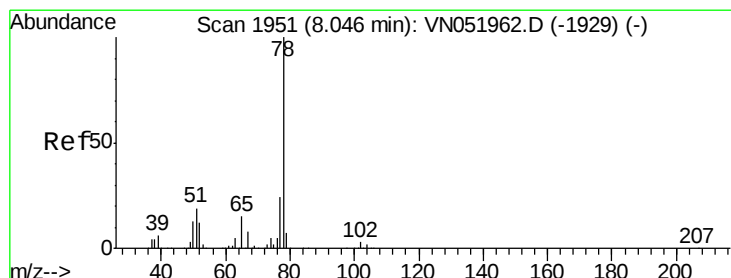
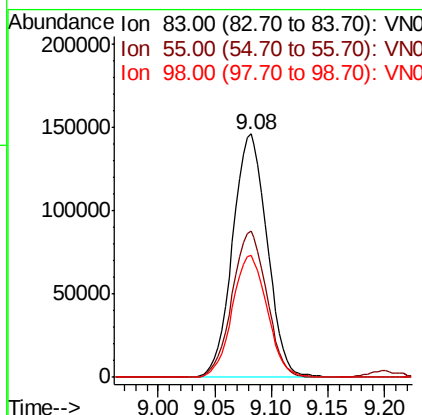
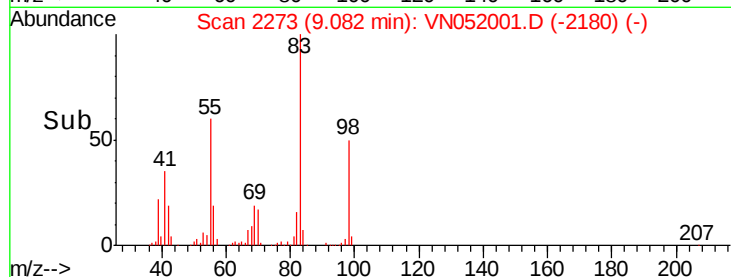
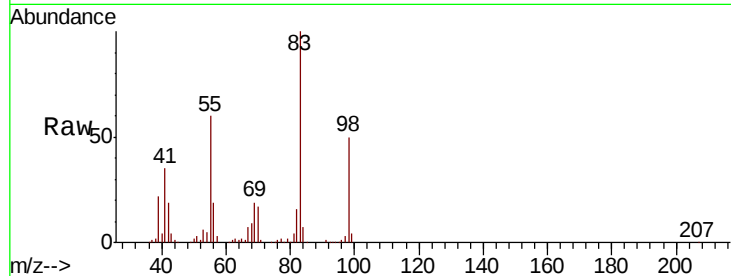
#39
Methvlcvclohexane
Concen: 19.470 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	310695		
55	60.0		48.9	73.3
98	49.9		40.2	60.2

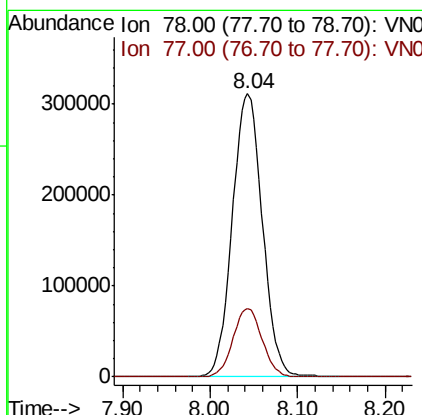
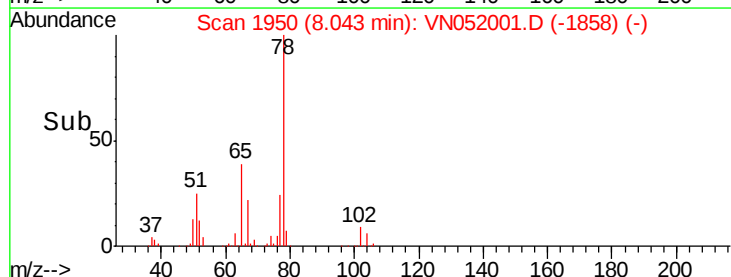
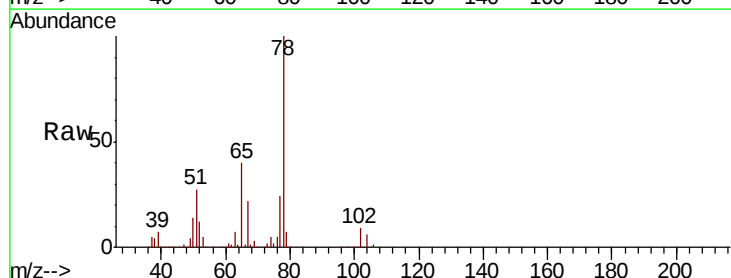
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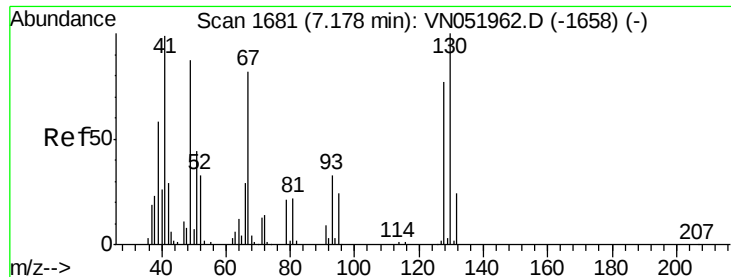
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#40
Benzene
Concen: 19.181 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	744075		
77	24.0		19.4	29.0





#41

Methacrylonitrile

Concen: 18.001 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleID :

VN1025WBS01

Tot Ion: 41 Resp: 52850

Ion Ratio Lower Upper

41 100

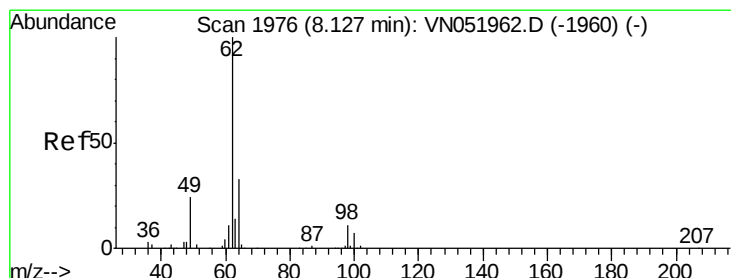
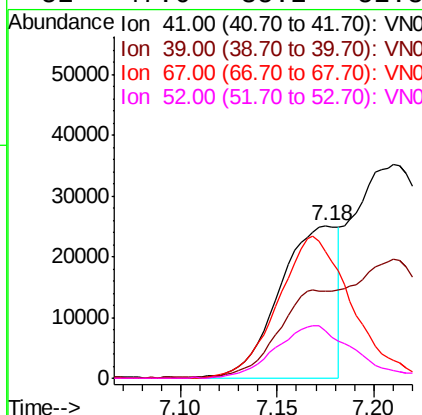
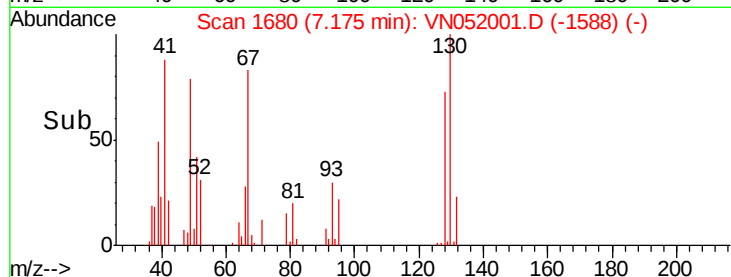
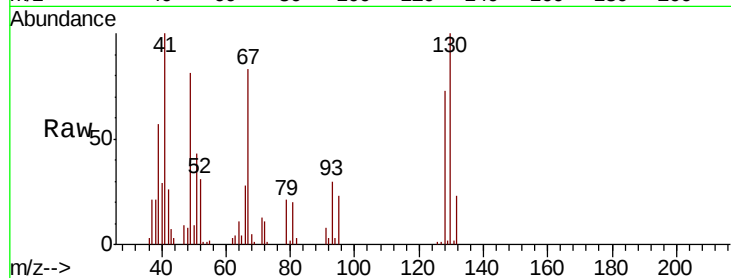
39 45.8 53.1 79.7#

67 118.0 93.8 140.6

52 47.6 35.2 52.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.362 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052001.D

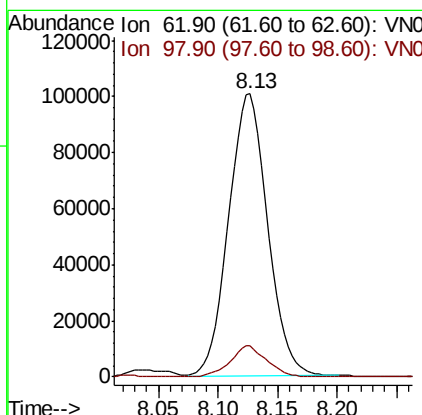
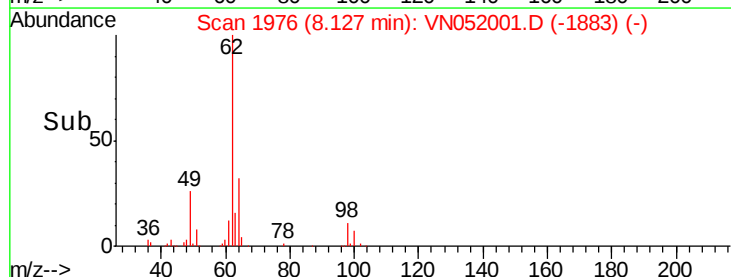
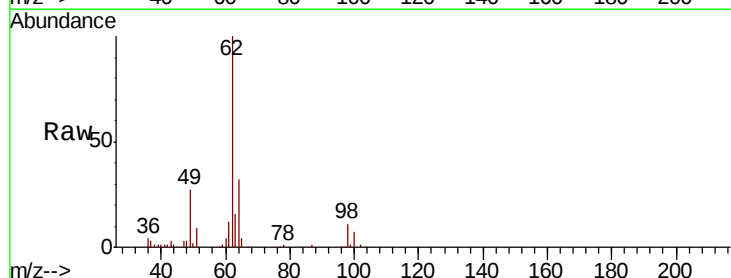
Acq: 25 Oct 2018 10:27

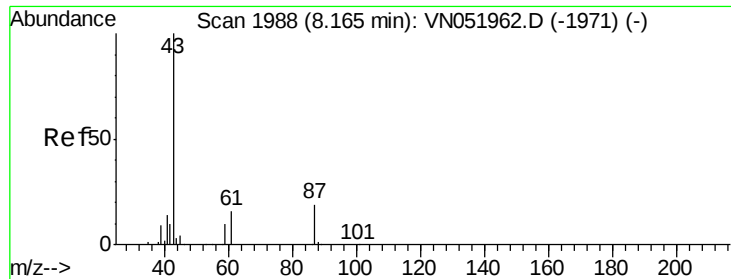
Tgt Ion: 62 Resp: 228387

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 18.675 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

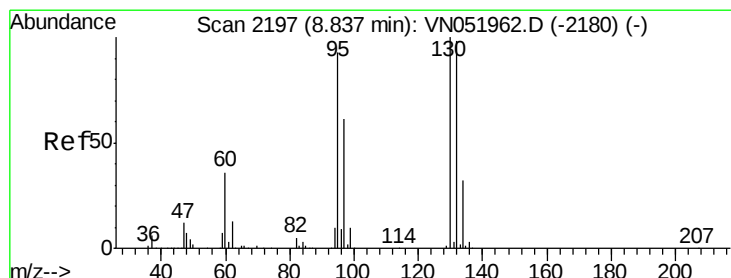
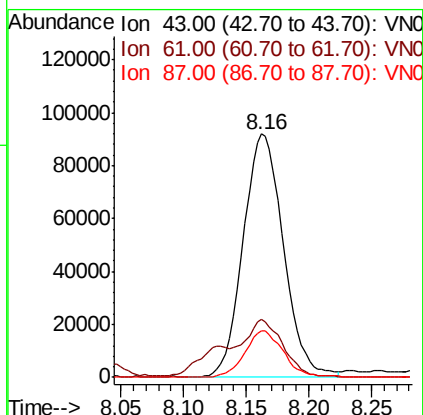
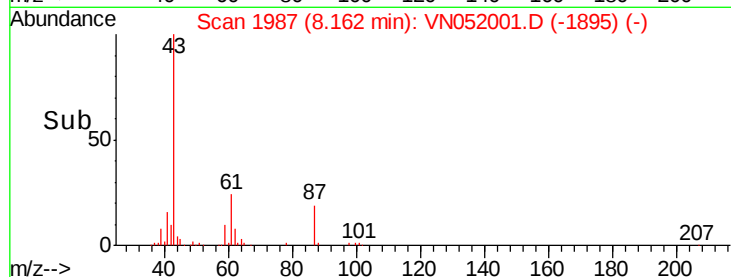
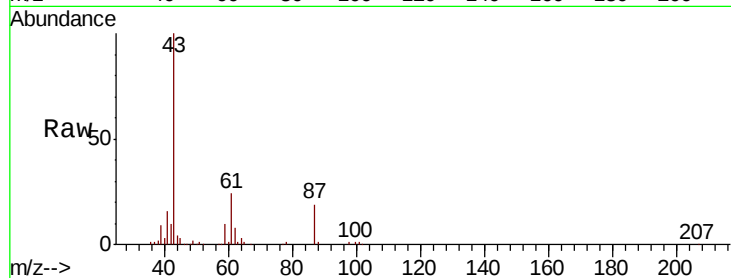
ClientSampleId :

VN1025WBS01

Tot Ion:	43	Resp:	204336
Ion	Ratio	Lower	Upper
43	100		
61	19.6	17.2	25.8
87	18.6	15.2	22.8

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#44

Trichloroethene

Concen: 19.517 ug/l

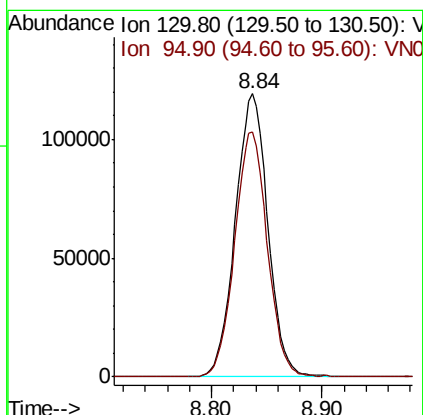
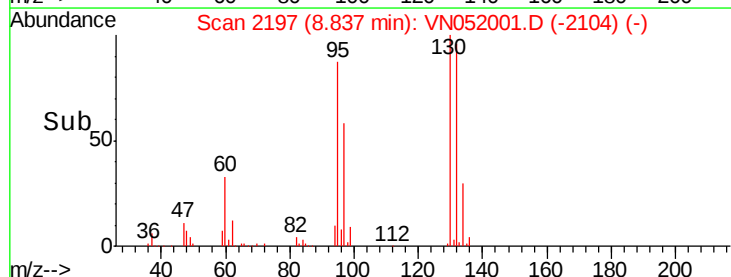
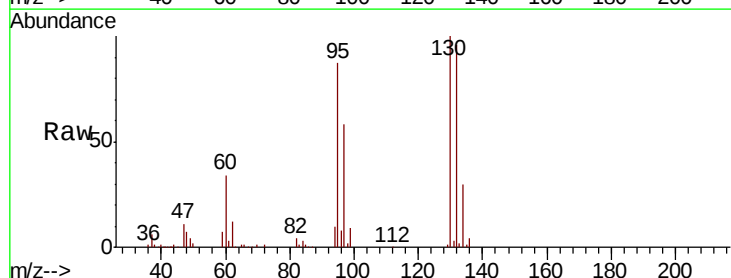
RT: 8.84 min Scan# 2197

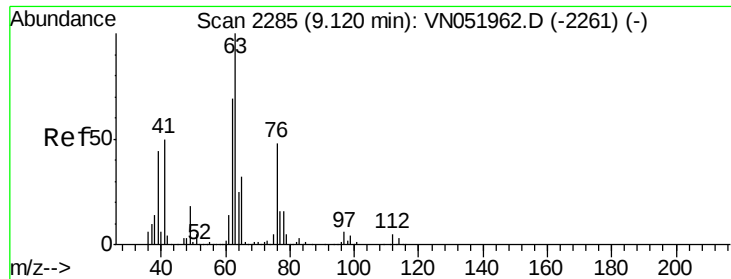
Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion:	130	Resp:	243015
Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	185.2





#45

1,2-Dichloropropane

Concen: 19.196 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 63 Resp: 168451

Ion Ratio Lower Upper

63 100

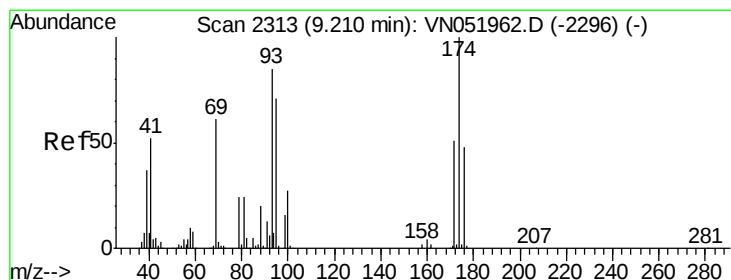
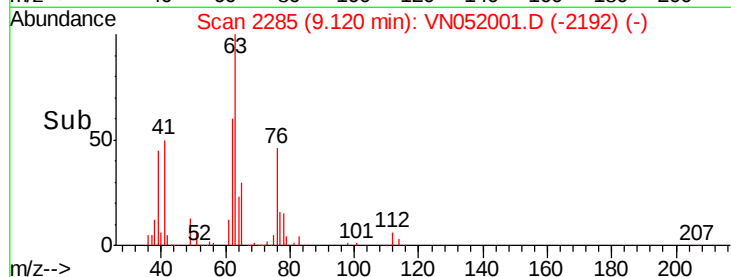
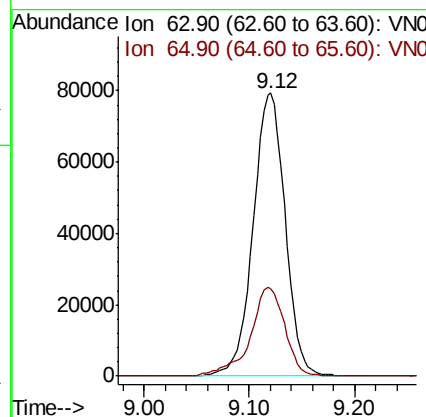
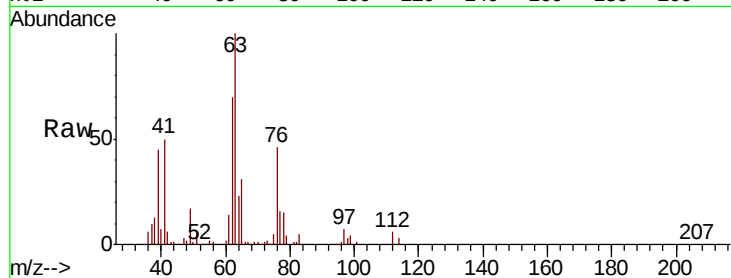
65 30.9 25.8 38.6

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#46

Dibromomethane

Concen: 19.116 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

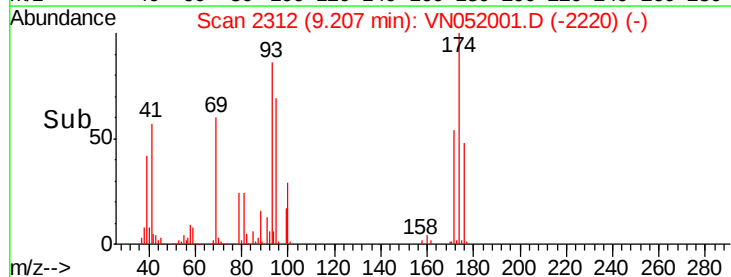
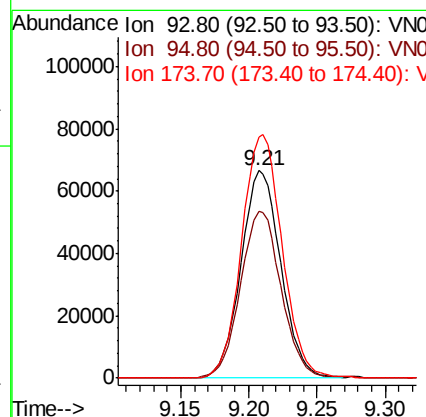
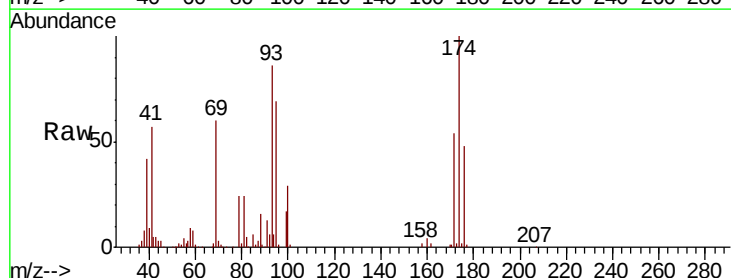
Tgt Ion: 93 Resp: 135225

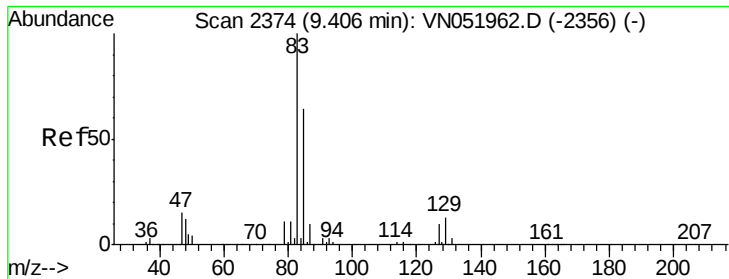
Ion Ratio Lower Upper

93 100

95 81.9 66.7 100.1

174 119.3 93.8 140.6





#47

Bromodichloromethane

Concen: 18.326 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

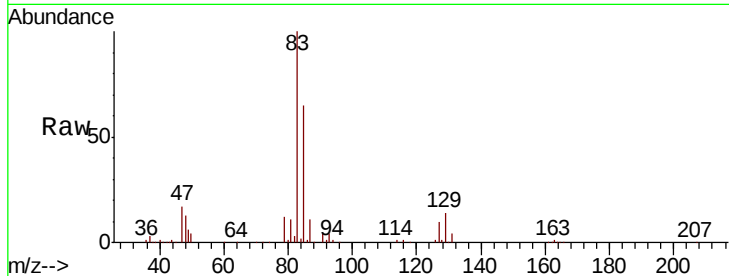
ClientSampleId :

VN1025WBS01

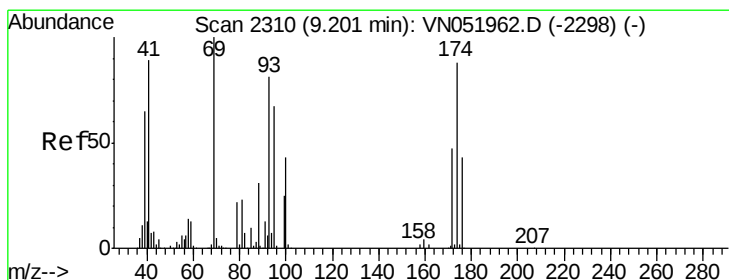
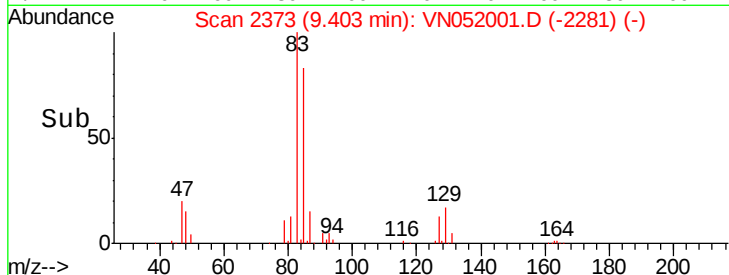
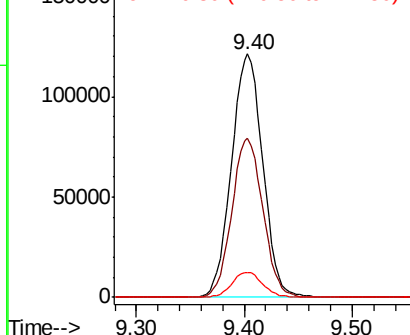
Tot Ion:	83	Resp:	244829
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.0	76.4
127	10.2	7.8	11.8

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



#48

Methyl methacrylate

Concen: 18.411 ug/l

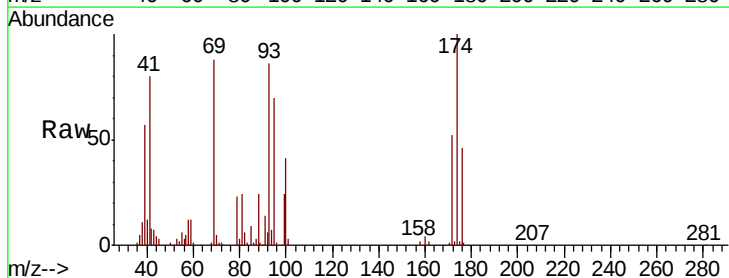
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

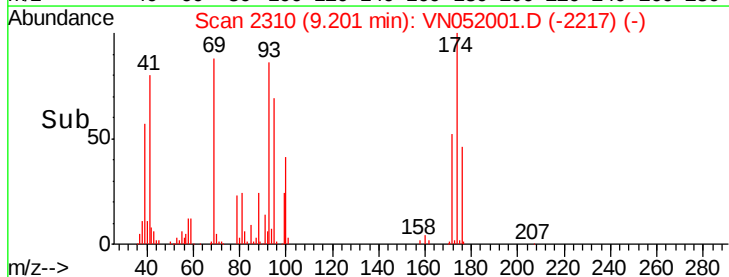
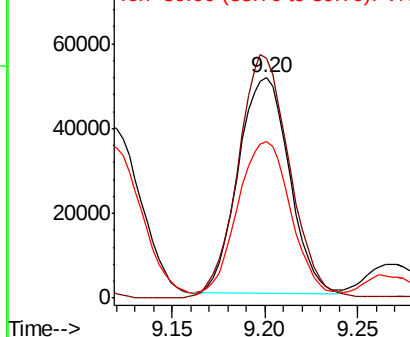
Lab File: VN052001.D

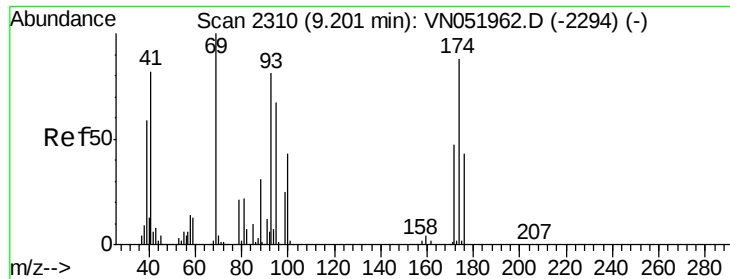
Acq: 25 Oct 2018 10:27

Tgt Ion:	41	Resp:	97372
Ion Ratio	Lower	Upper	
41	100		
69	113.9	92.2	138.4
39	75.6	60.2	90.4



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





#49

1,4-Dioxane

Concen: 337.405 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

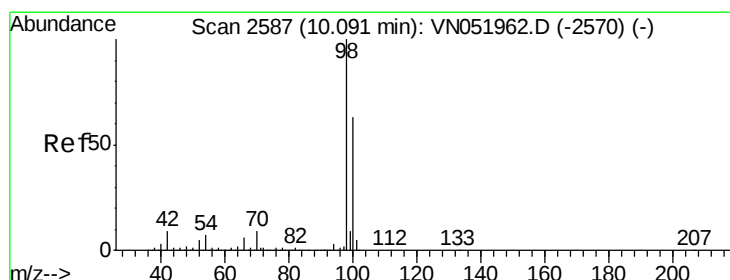
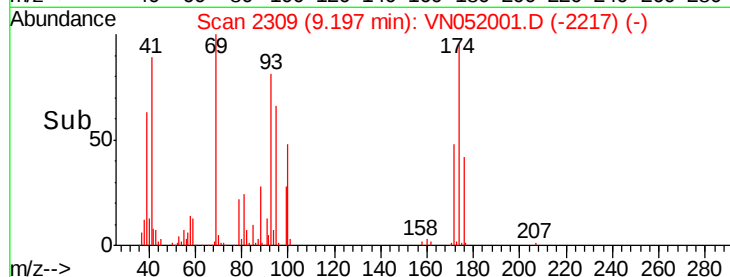
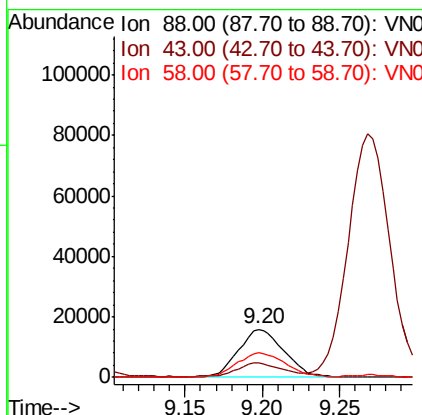
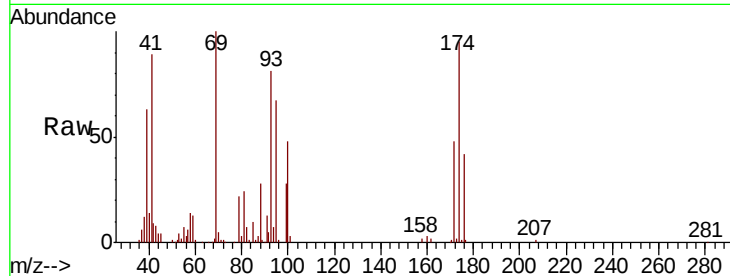
ClientSampleId :

VN1025WBS01

Tot Ion:	88	Resp:	32720
Ion	Ratio	Lower	Upper
88	100		
43	27.8	18.8	28.2
58	54.5	39.8	59.6

Manual Integrations
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#50

Toluene-d8

Concen: 337.405 ug/l

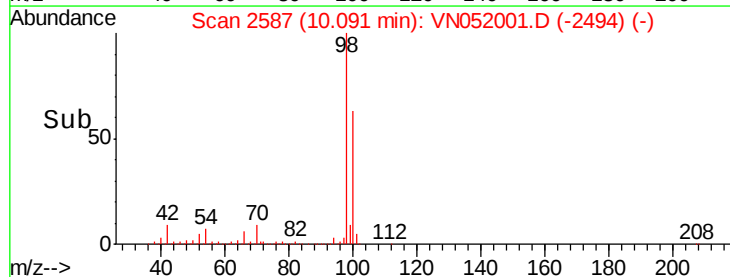
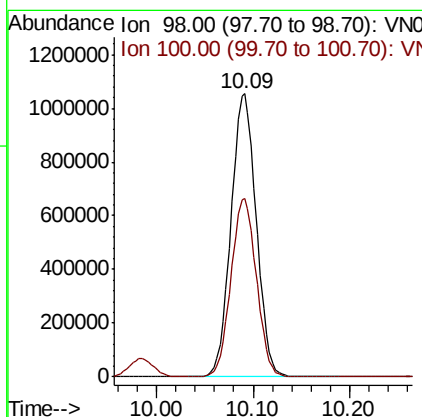
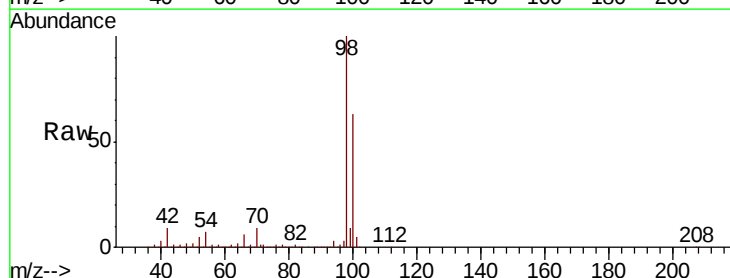
RT: 10.09 min Scan# 2587

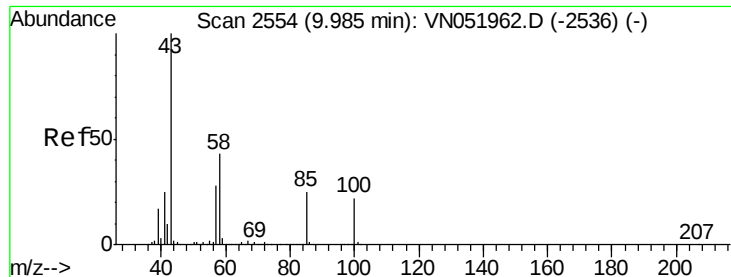
Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion:	98	Resp:	1907722
Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 92.883 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 43 Resp: 559028

Ion Ratio Lower Upper

43 100

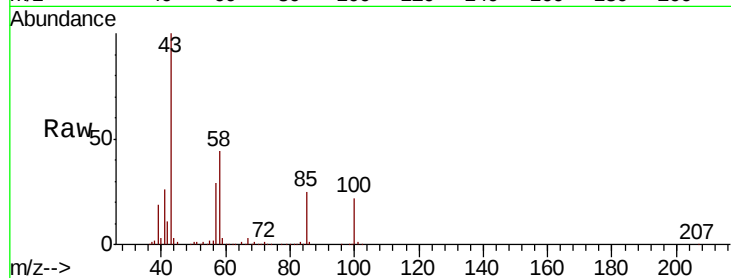
58 43.4 34.8 52.2

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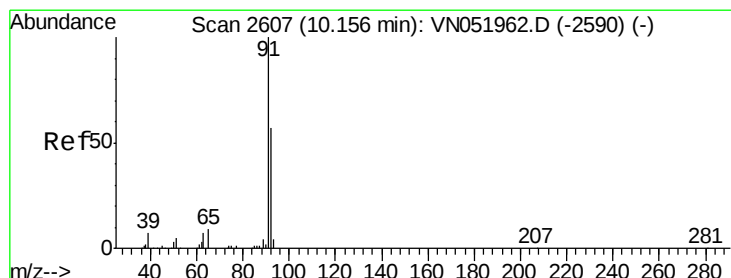
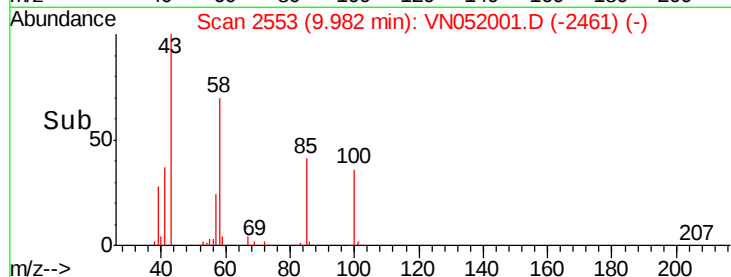
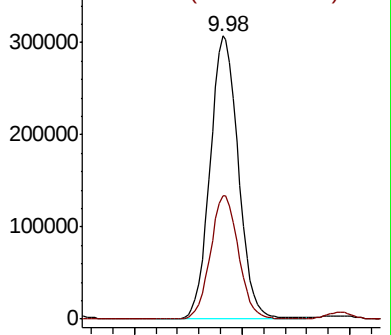
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.264 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052001.D

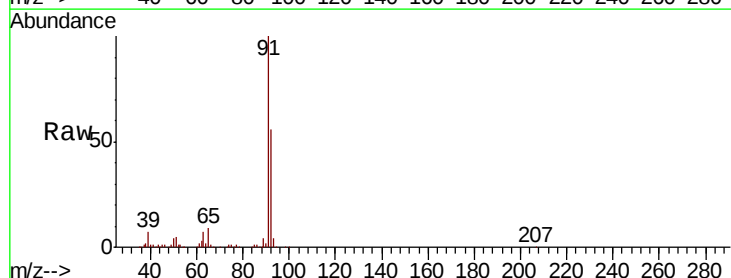
Acq: 25 Oct 2018 10:27

Tgt Ion: 92 Resp: 506730

Ion Ratio Lower Upper

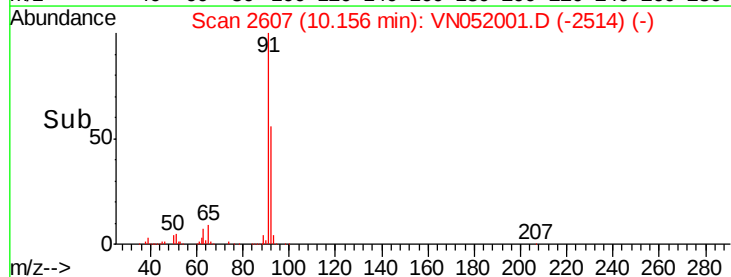
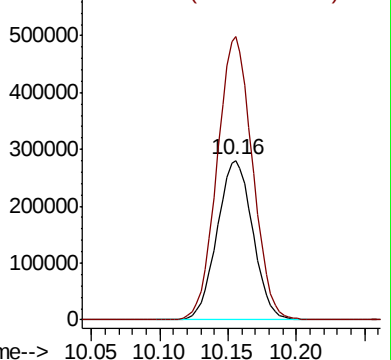
92 100

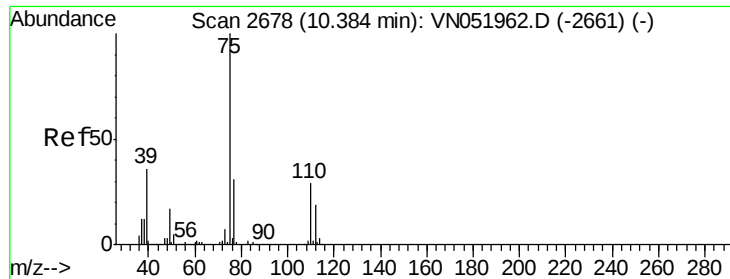
91 177.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





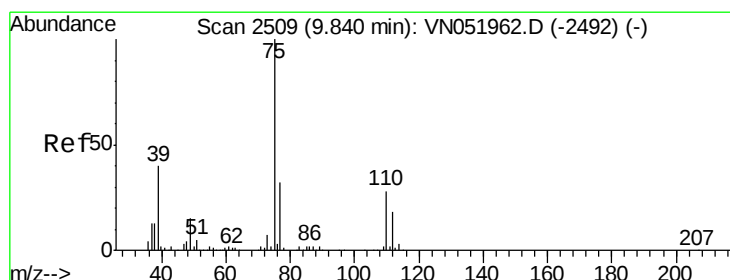
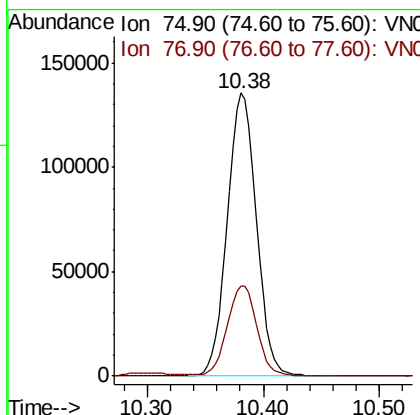
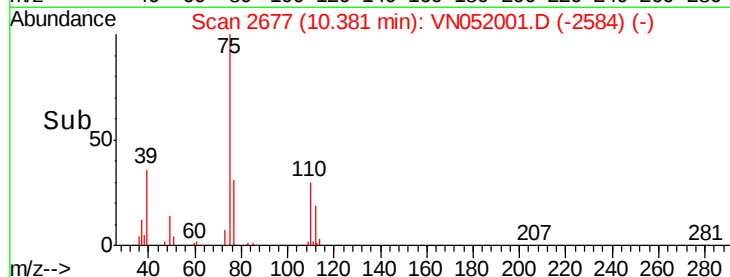
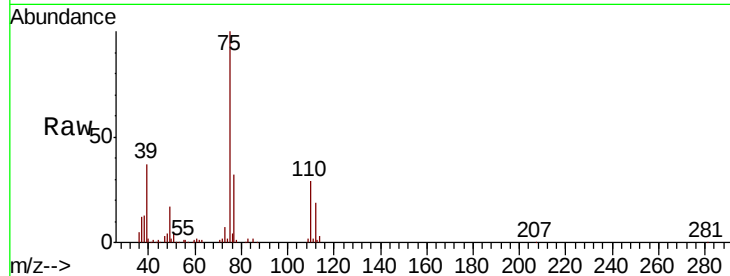
#53
t-1,3-Dichloropropene
Concen: 18.000 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion: 75 Resp: 234439
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

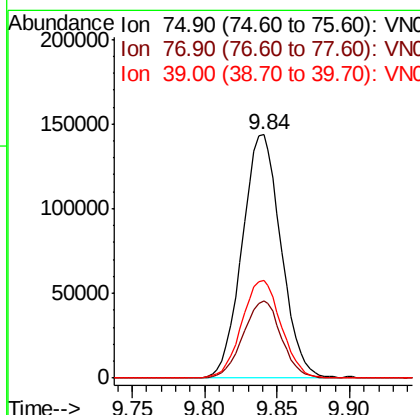
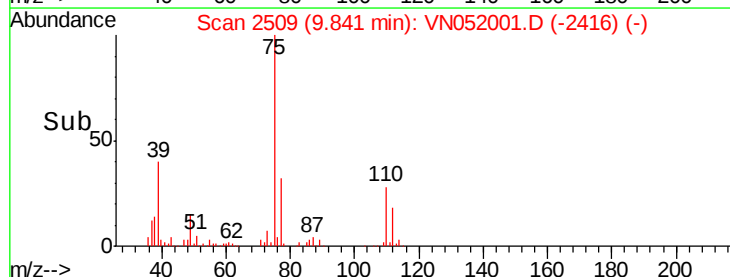
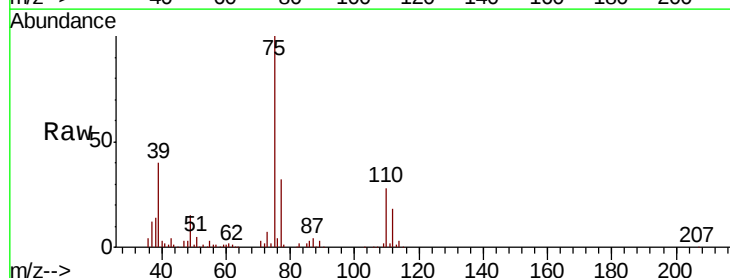
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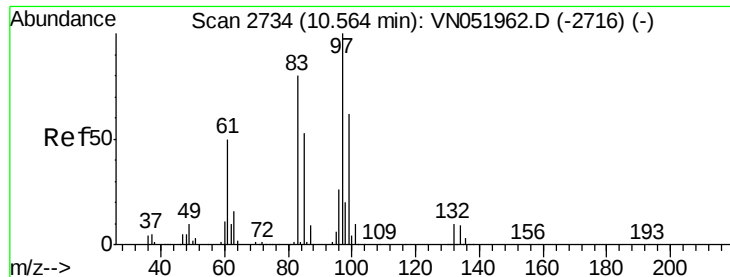
MMDadoda
10/26/2018 9:19:33 AM



#54
cis-1,3-Dichloropropene
Concen: 19.217 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 75 Resp: 268331
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 39.8 32.0 48.0





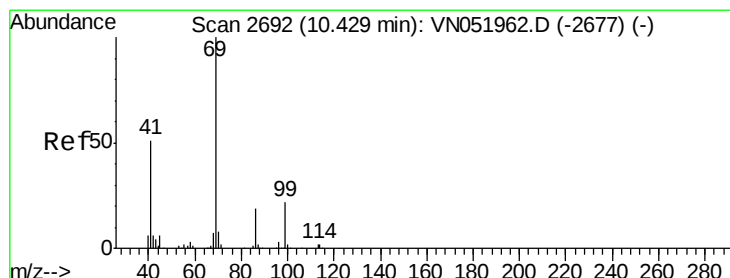
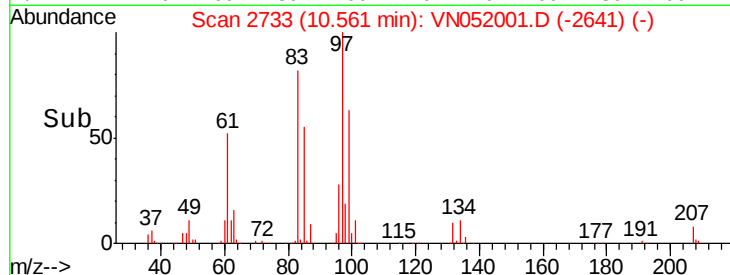
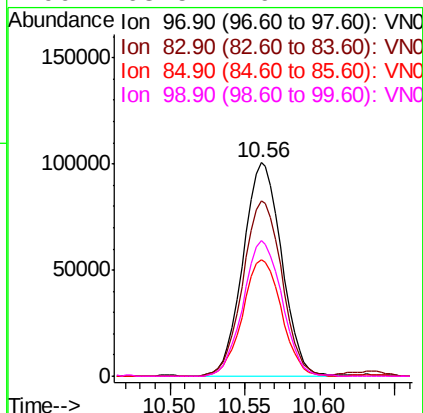
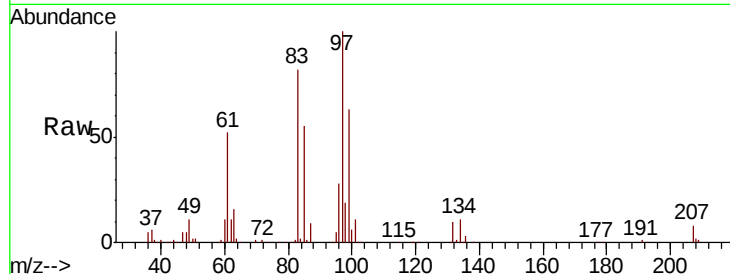
#55
 1,1,2-Trichloroethane
 Concen: 18.505 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		179850		
83	82.5	64.0	96.0		
85	54.8	42.4	63.6		
99	63.5	49.4	74.2		

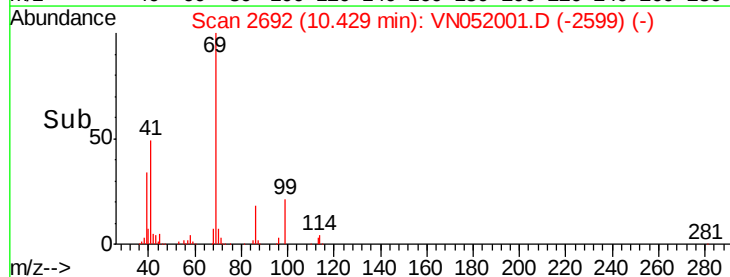
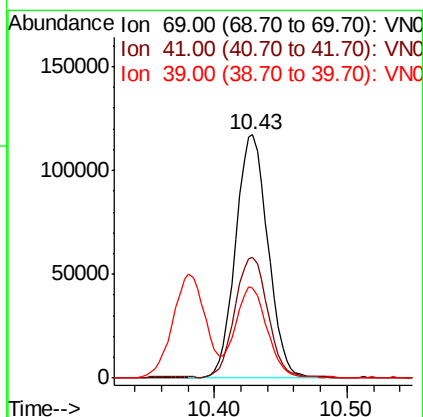
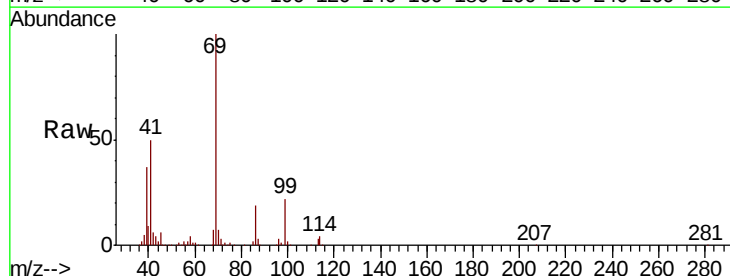
Manual Integrations
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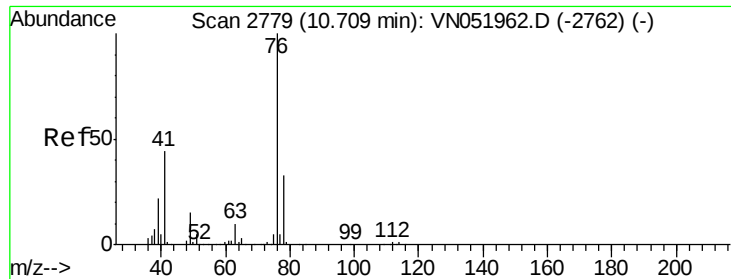
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#56
 Ethyl methacrylate
 Concen: 19.059 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		199124		
41	50.3	40.7	61.1		
39	35.7	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 18.960 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 76 Resp: 279753

Ion Ratio Lower Upper

76 100

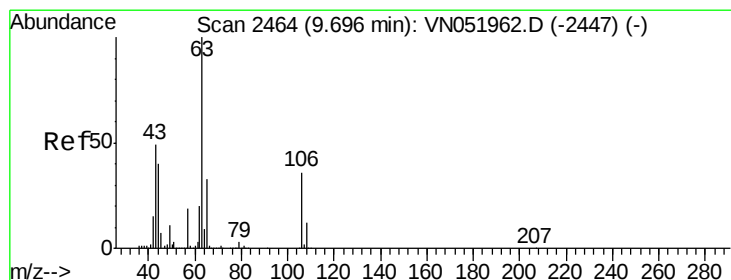
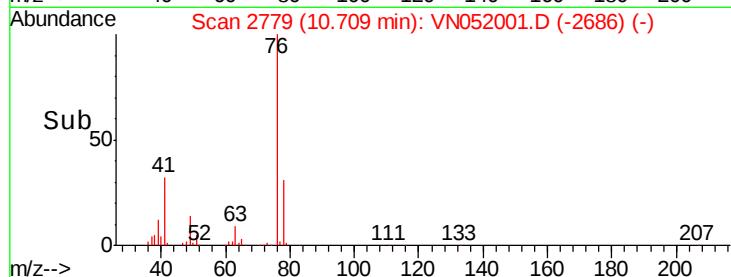
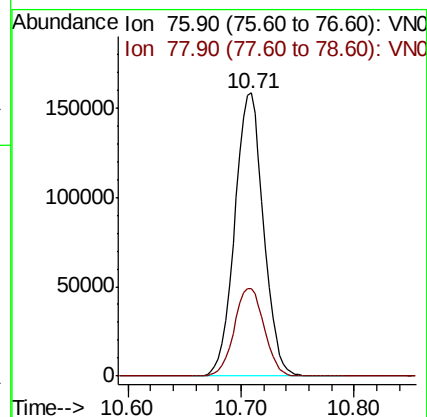
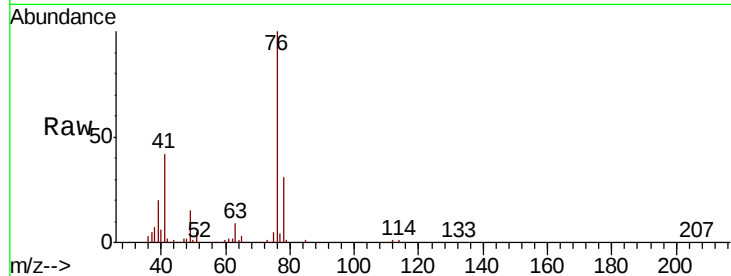
78 32.4 26.4 39.6

Manual Integrations

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10/26/2018 9:19:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.521 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052001.D

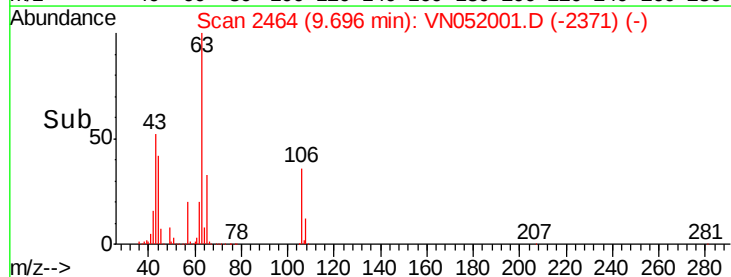
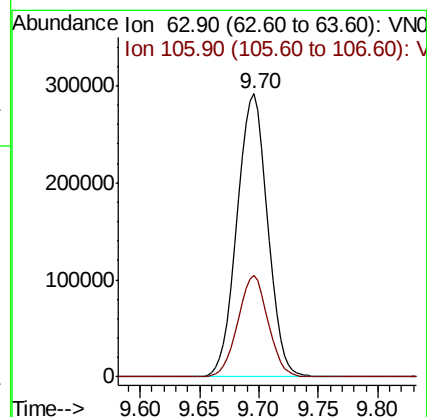
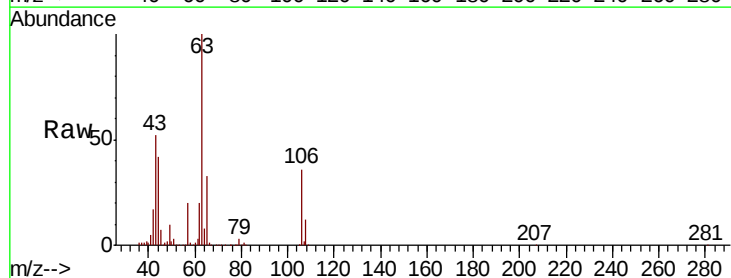
Acq: 25 Oct 2018 10:27

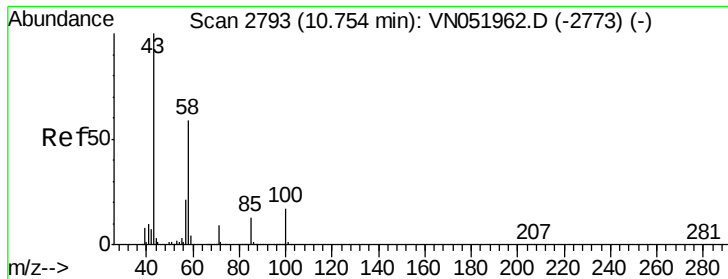
Tgt Ion: 63 Resp: 522169

Ion Ratio Lower Upper

63 100

106 35.3 28.3 42.5





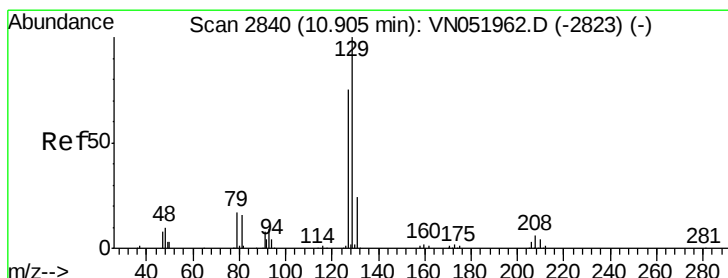
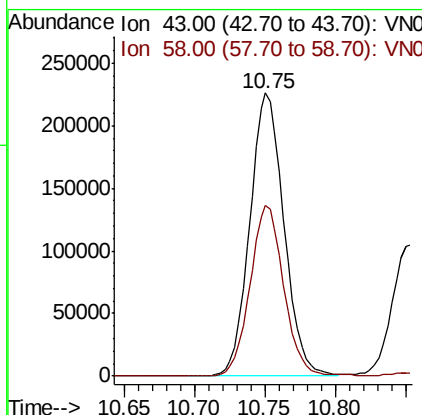
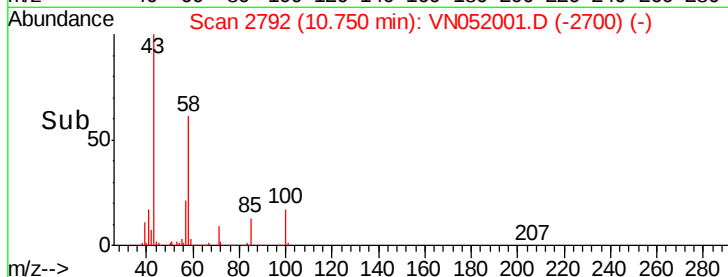
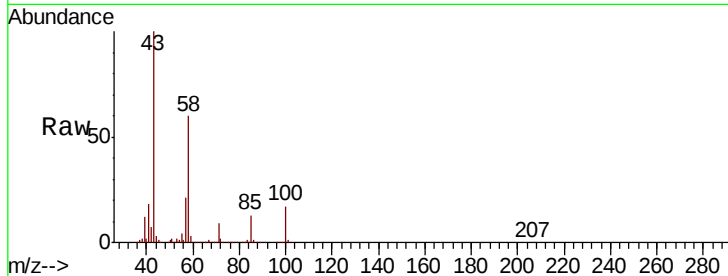
#59
2-Hexanone
Concen: 94.342 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion: 43 Resp: 381507
Ion Ratio Lower Upper
43 100
58 59.9 29.9 89.8

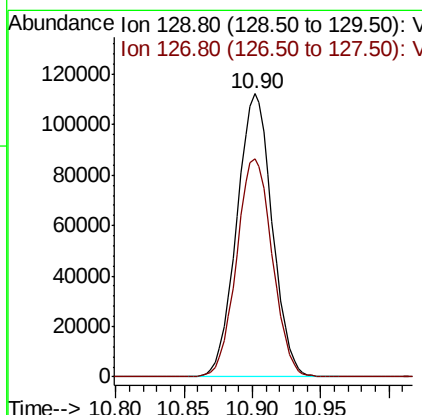
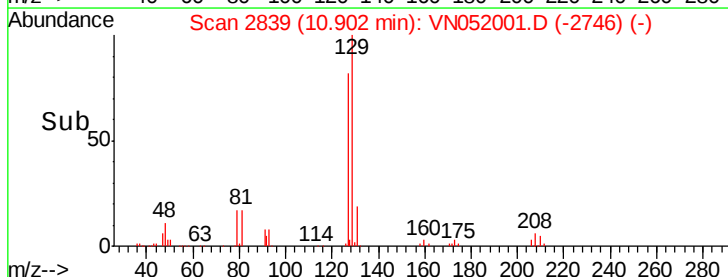
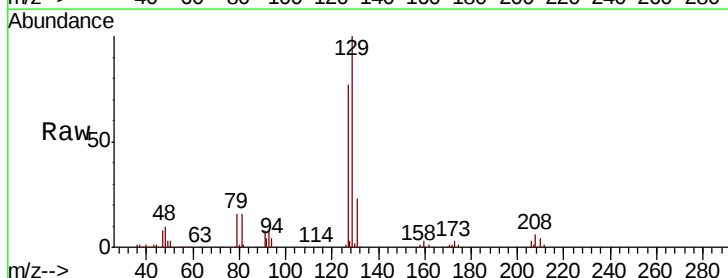
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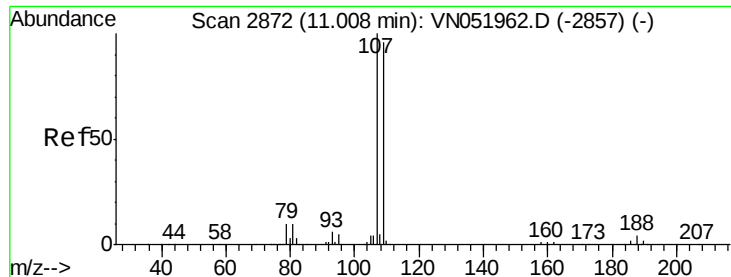
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#60
Dibromochloromethane
Concen: 17.673 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion: 129 Resp: 202615
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.0





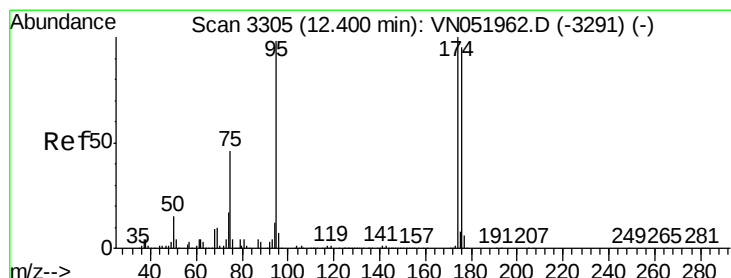
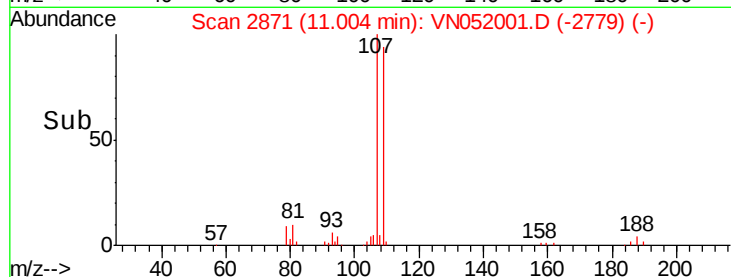
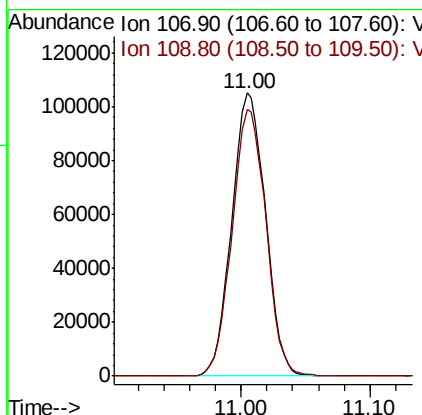
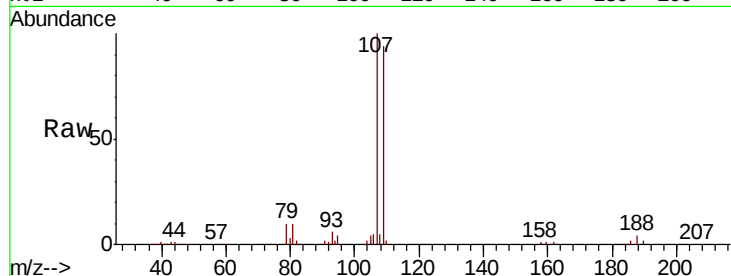
#61
 1,2-Dibromoethane
 Concen: 18.614 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.9	113.9

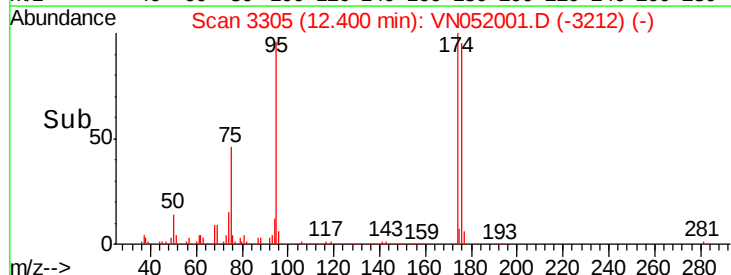
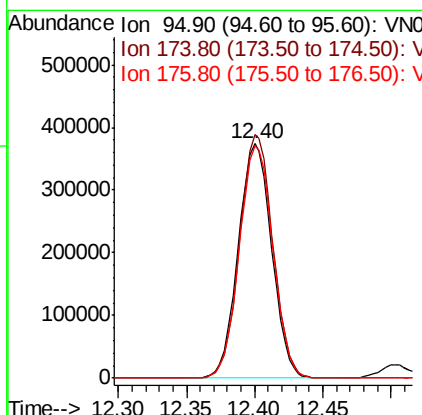
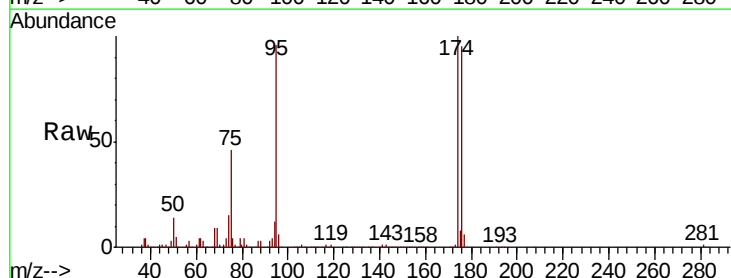
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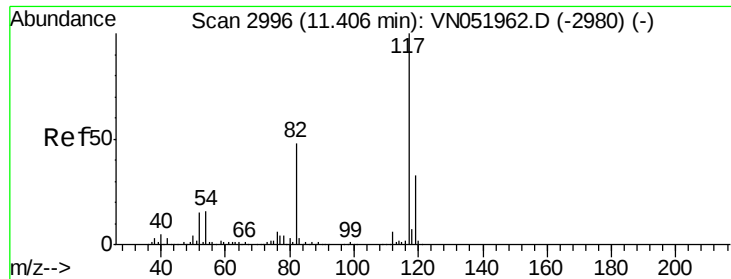
MMDadoda
 10/26/2018 9:19:33 AM



#62
 4-Bromofluorobenzene
 Concen: 18.614 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	103.1	0.0	206.0
176	99.3	0.0	198.0





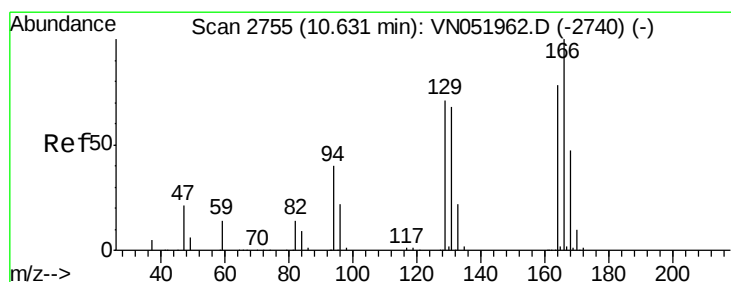
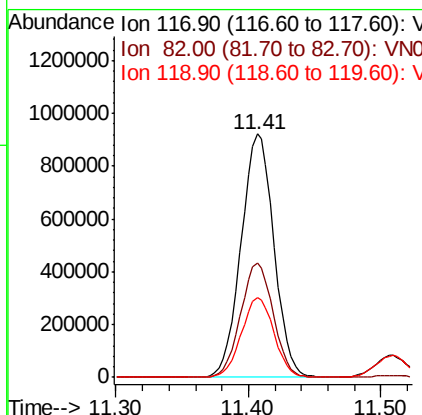
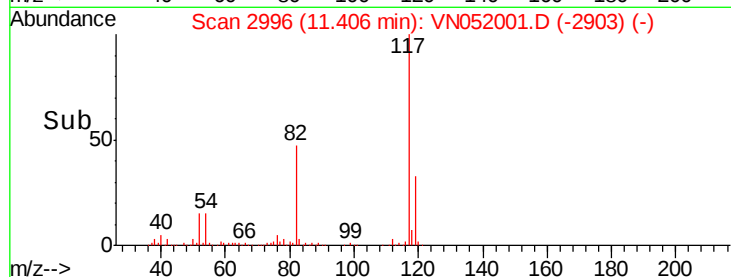
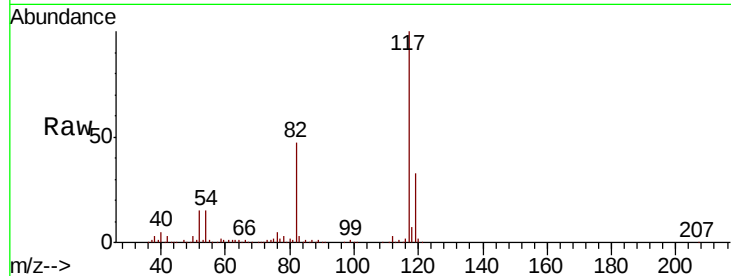
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion:117 Resp: 1577482
Ion Ratio Lower Upper
117 100
82 47.0 38.1 57.1
119 32.7 26.4 39.6

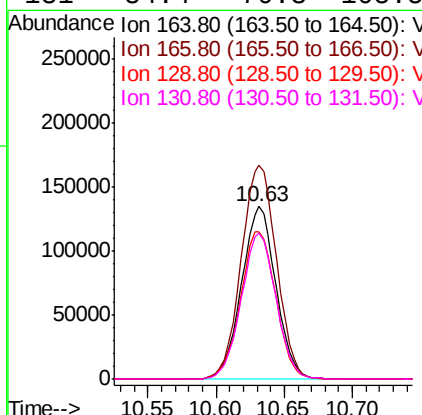
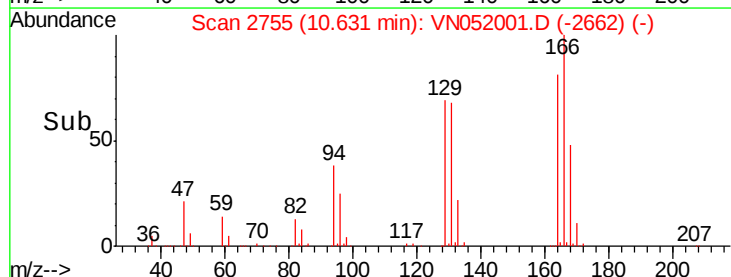
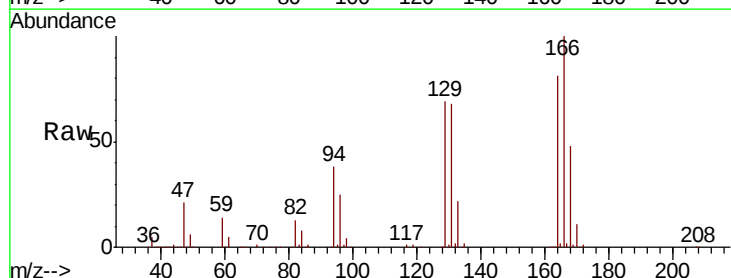
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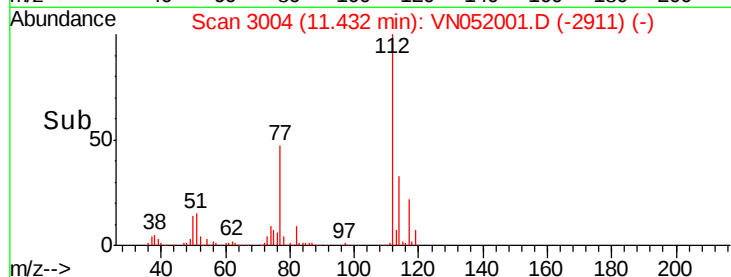
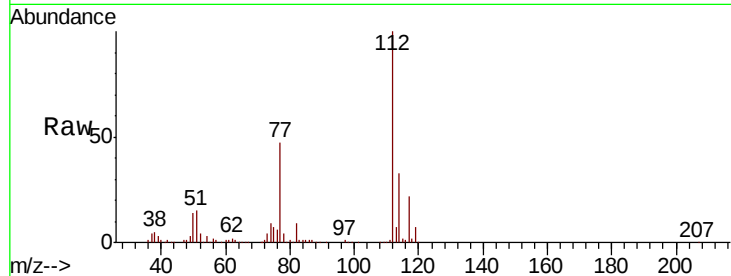
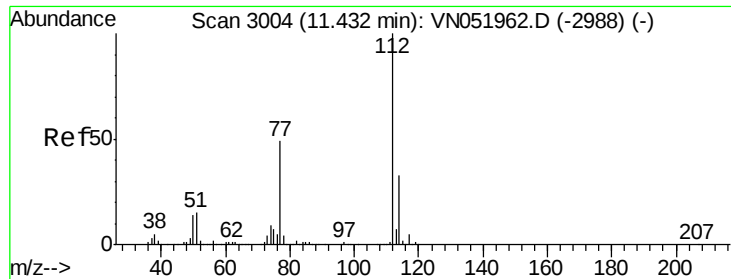
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#64
Tetrachloroethene
Concen: 19.371 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion:164 Resp: 234538
Ion Ratio Lower Upper
164 100
166 123.8 103.1 154.7
129 85.7 73.6 110.4
131 84.4 70.3 105.5





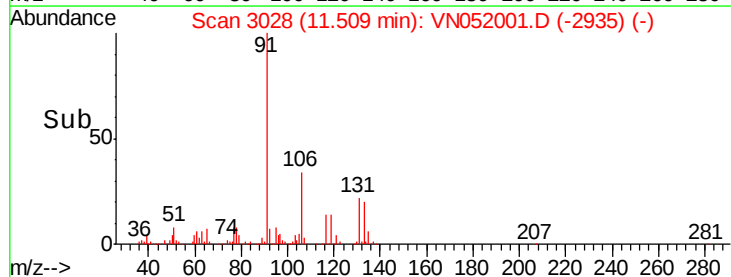
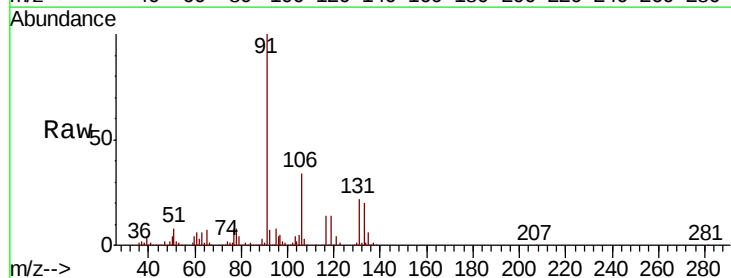
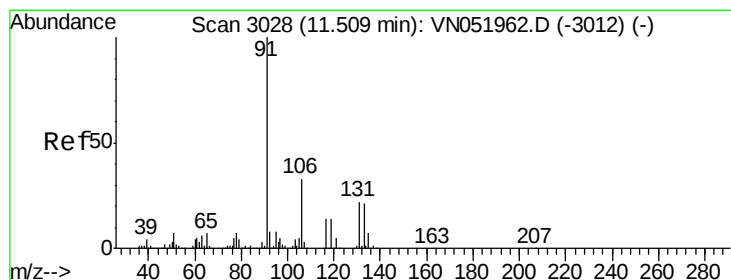
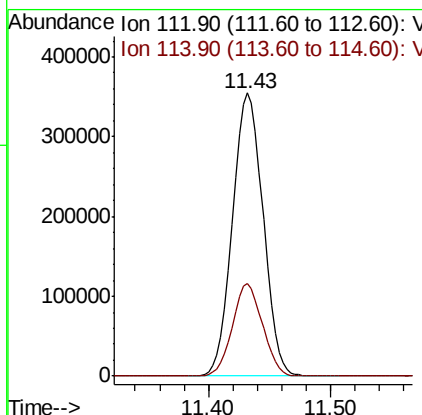
#65
Chlorobenzene
Concen: 19.401 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion:112 Resp: 617923
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1

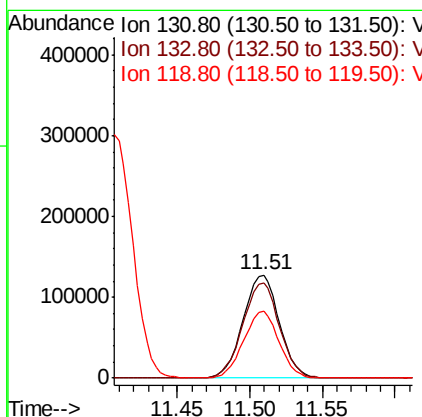
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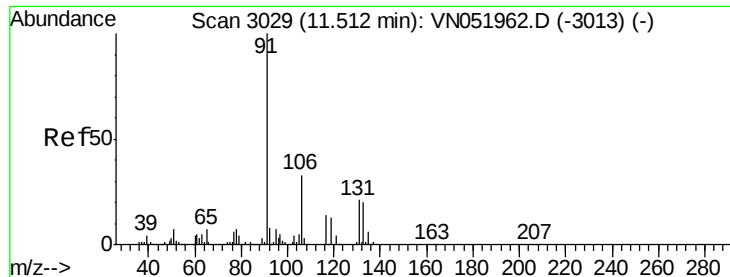
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.377 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion:131 Resp: 221832
Ion Ratio Lower Upper
131 100
133 93.6 47.8 143.3
119 63.6 32.0 96.2





#67

Ethyl Benzene

Concen: 18.949 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 91 Resp: 970137

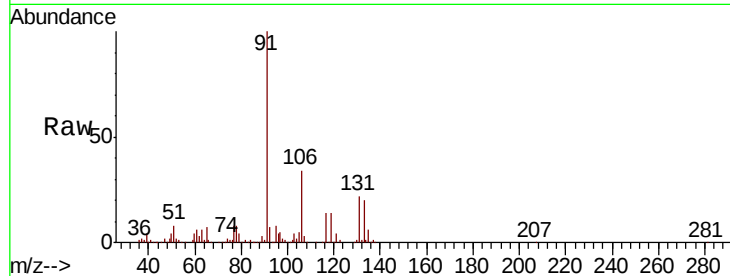
Ion Ratio Lower Upper

91 100

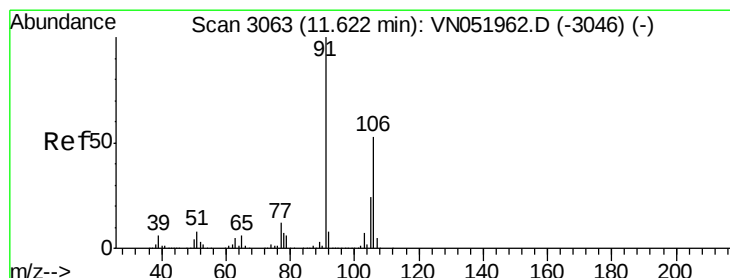
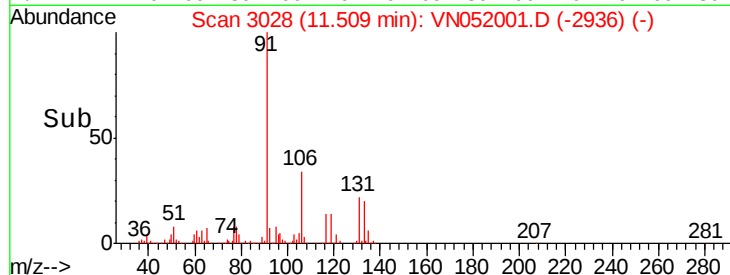
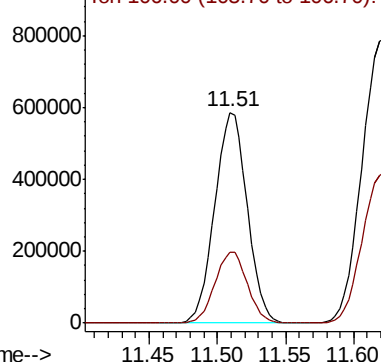
106 33.9 26.4 39.6

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Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3013) (-)



#68

m/p-Xylenes

Concen: 39.339 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052001.D

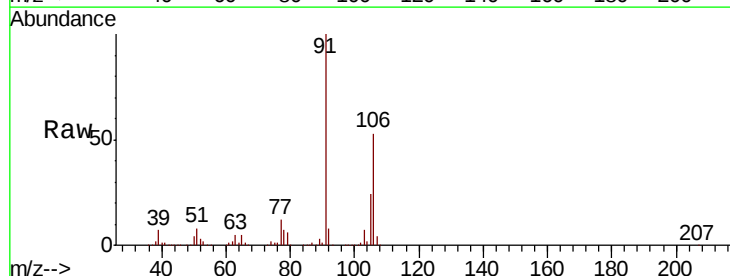
Acq: 25 Oct 2018 10:27

Tgt Ion: 106 Resp: 804679

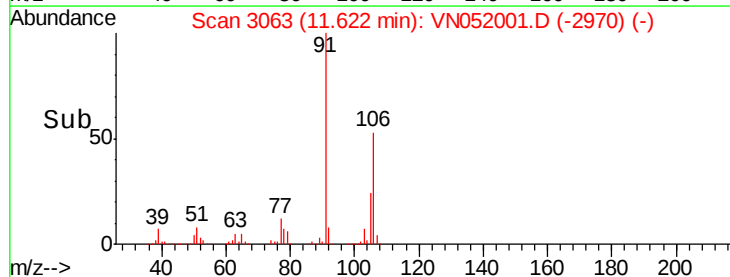
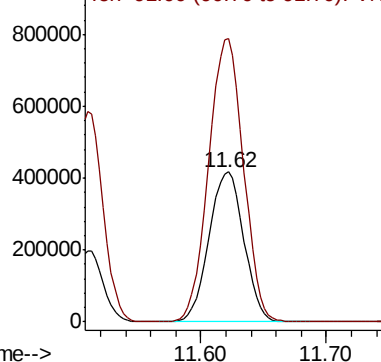
Ion Ratio Lower Upper

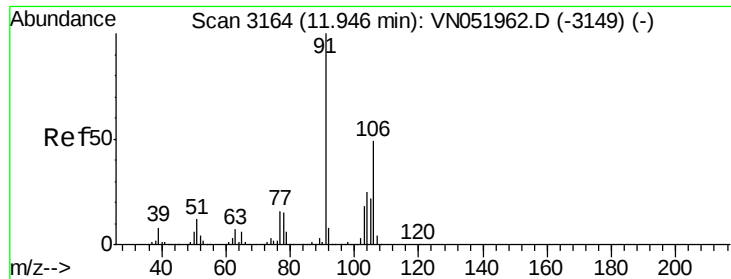
106 100

91 188.5 152.2 228.2



Abundance Ion 106.00 (105.70 to 106.70): VN051962.D (-3046) (-)





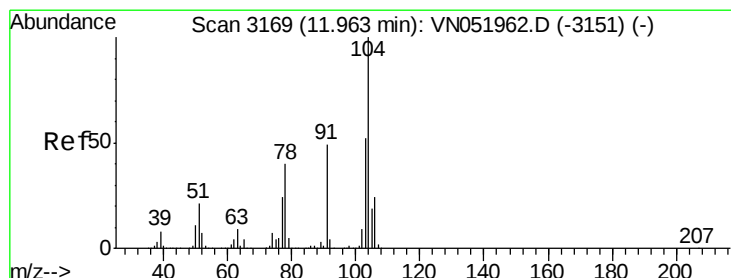
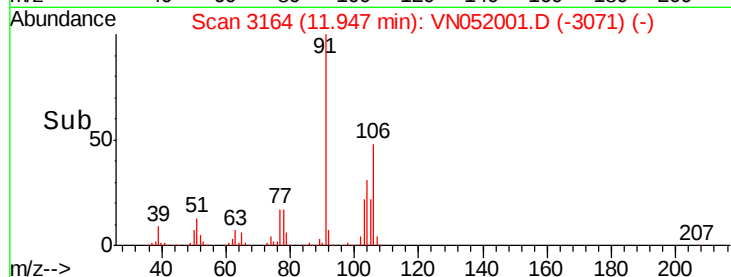
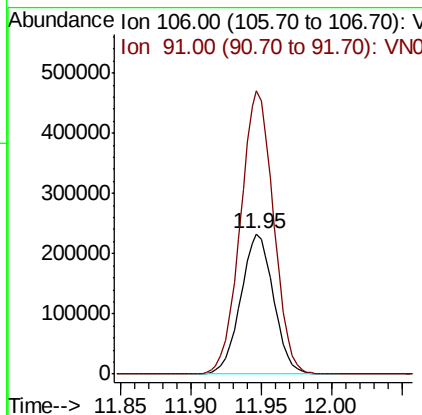
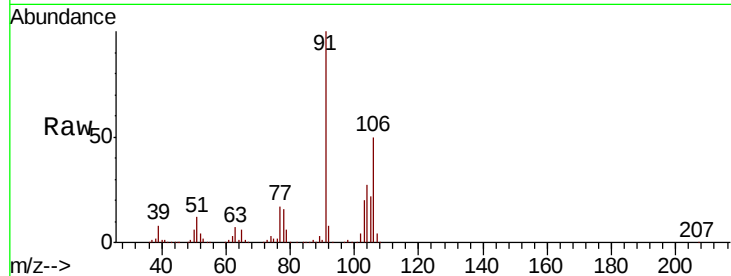
#69
o-Xylene
Concen: 19.038 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.2	101.0	303.0

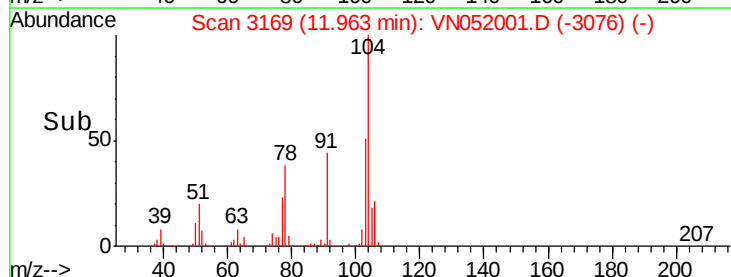
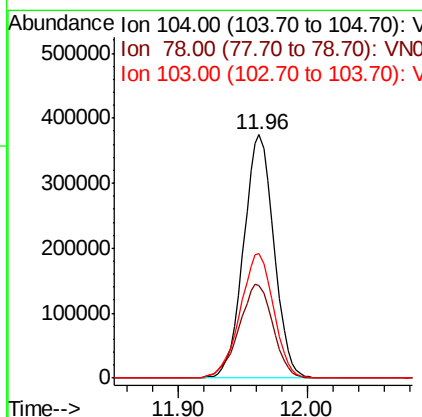
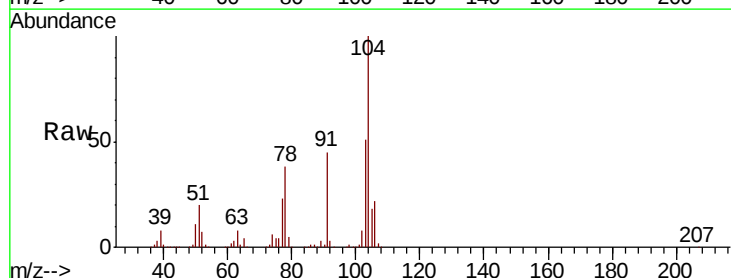
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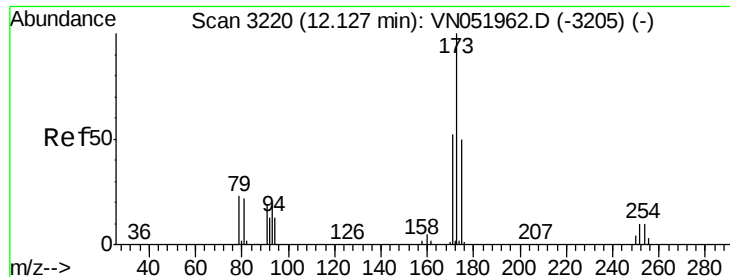
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#70
Styrene
Concen: 19.305 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.3	35.8	53.6
103	56.4	44.9	67.3





#71

Bromoform

Concen: 16.843 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

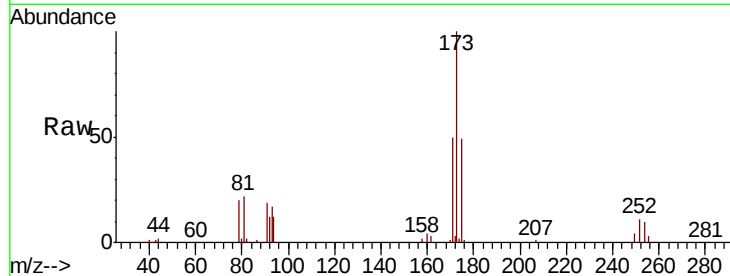
ClientSampleId :

VN1025WBS01

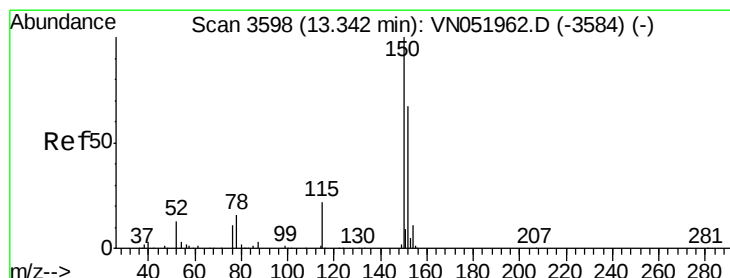
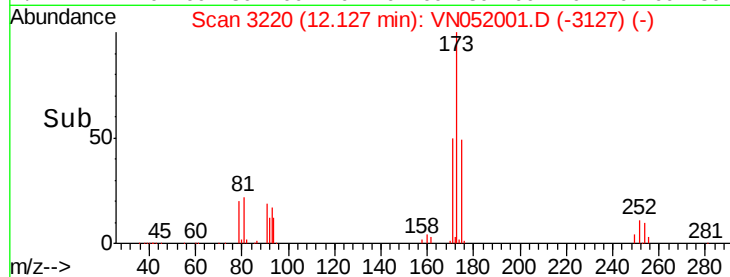
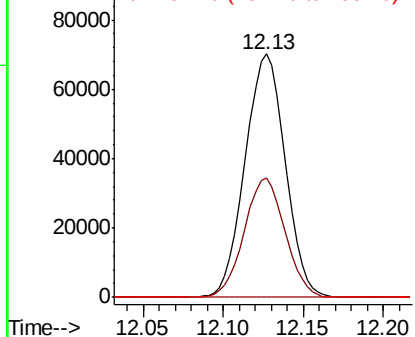
Tot Ion:	173	Resp:	120512
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.6	74.0
254	0.0	0.1	0.1#

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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: 50.000 ug/l

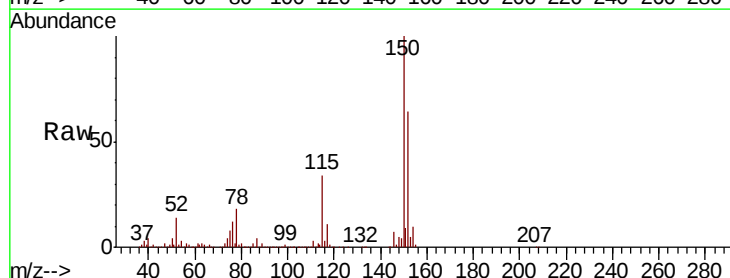
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

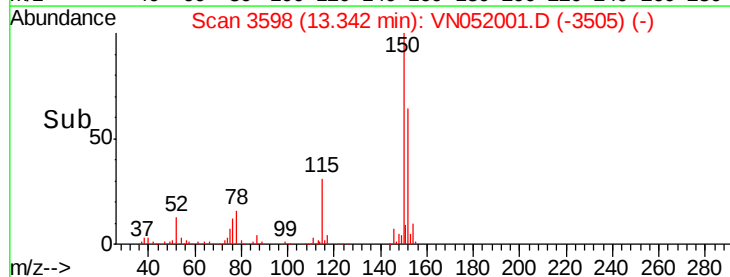
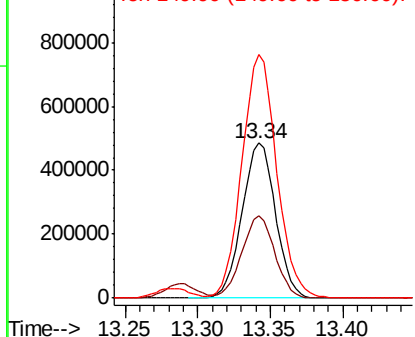
Lab File: VN052001.D

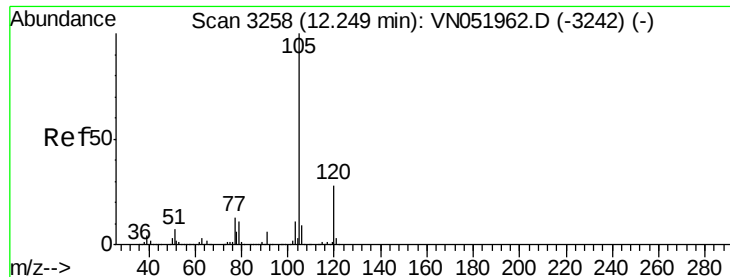
Acq: 25 Oct 2018 10:27

Tgt Ion:	152	Resp:	779218
Ion Ratio	Lower	Upper	
152	100		
115	52.4	25.8	77.3
150	163.4	0.0	344.4



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





#73

Isopropylbenzene

Concen: 20.919 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 105 Resp: 1033791

Ion Ratio Lower Upper

105 100

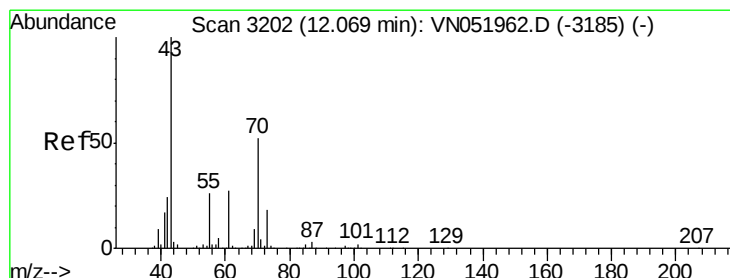
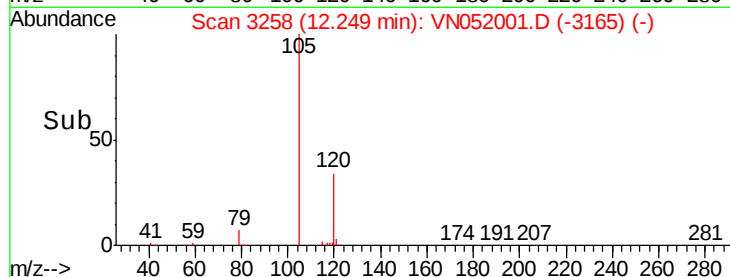
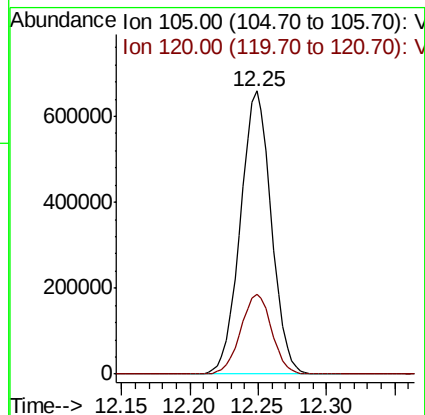
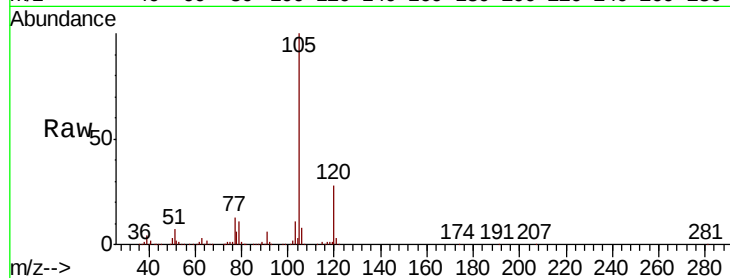
120 28.4 14.0 41.9

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#74

N-ethyl acetate

Concen: 18.603 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion: 43 Resp: 180951

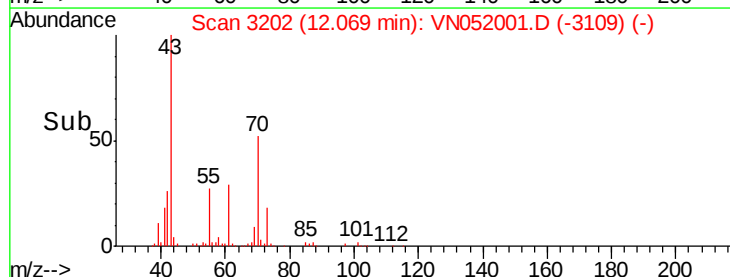
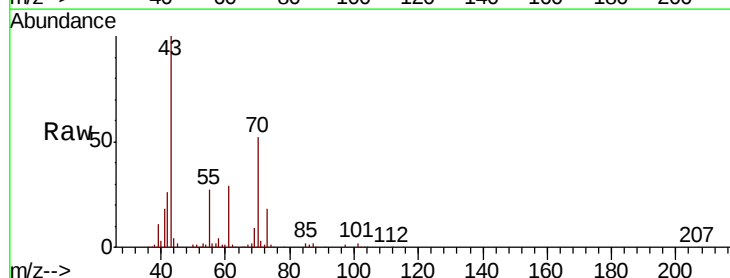
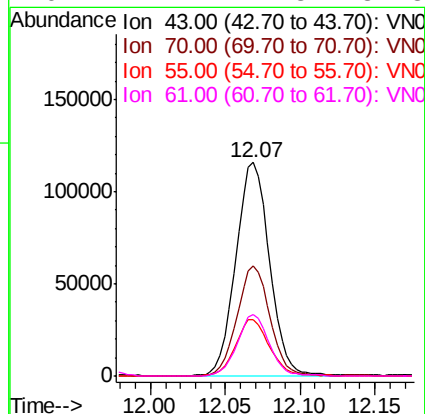
Ion Ratio Lower Upper

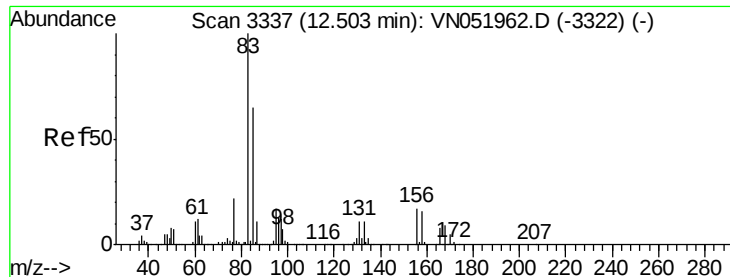
43 100

70 50.7 41.3 61.9

55 26.7 21.2 31.8

61 27.4 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.775 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

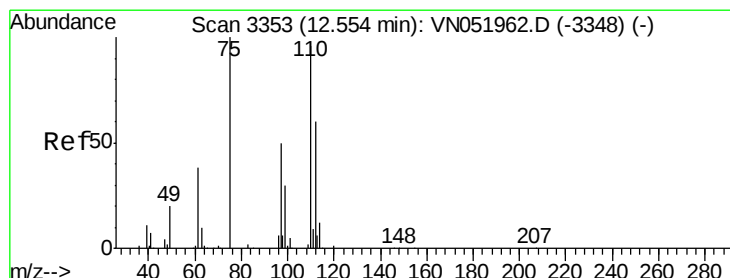
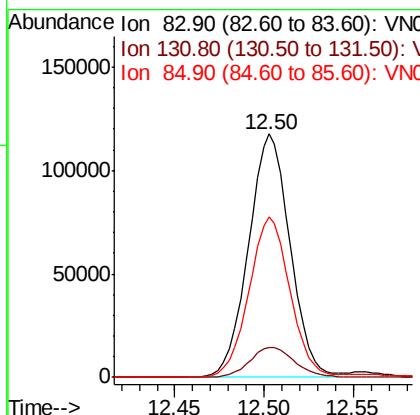
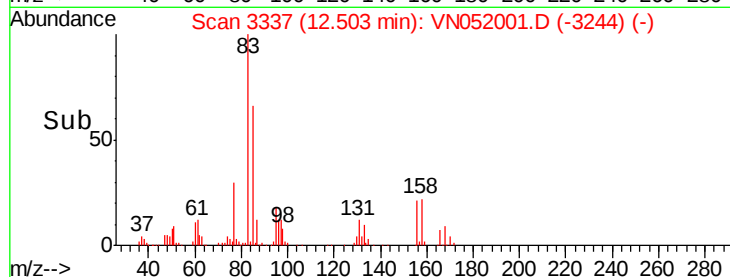
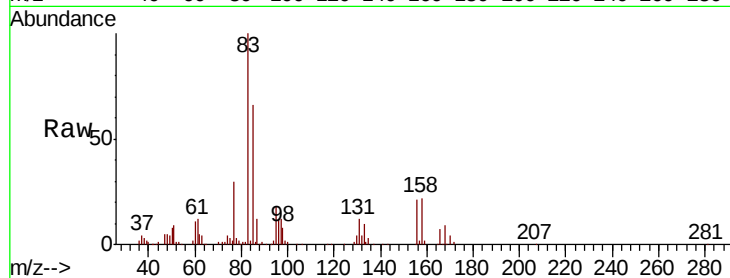
ClientSampleId :

VN1025WBS01

Tot Ion:	83	Resp:	191714
Ion Ratio	Lower	Upper	
83	100		
131	13.3	6.2	18.6
85	65.1	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 19.819 ug/l m

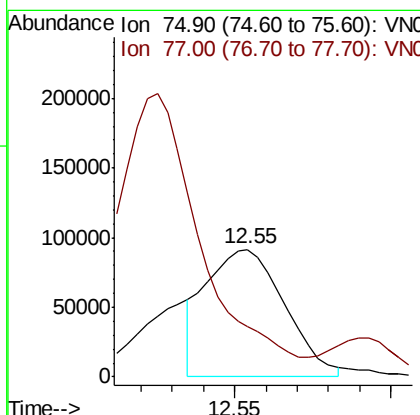
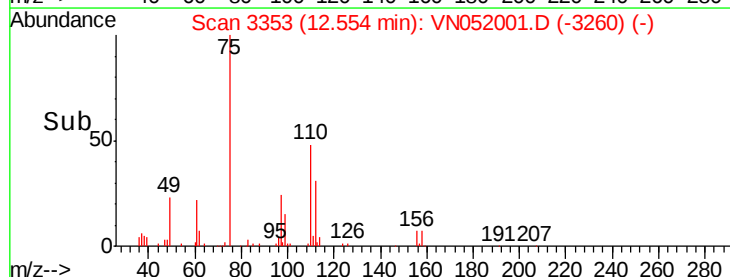
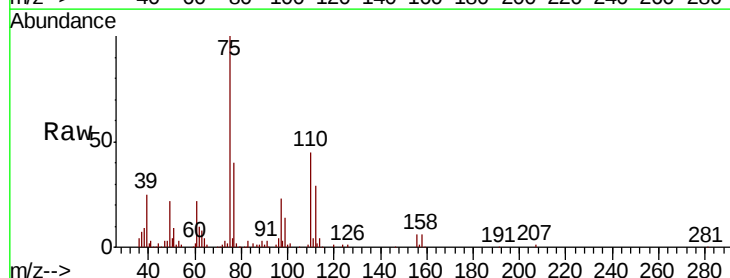
RT: 12.55 min Scan# 3353

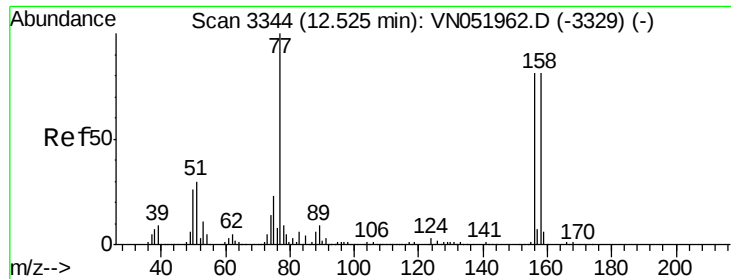
Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion:	75	Resp:	159523
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.724 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

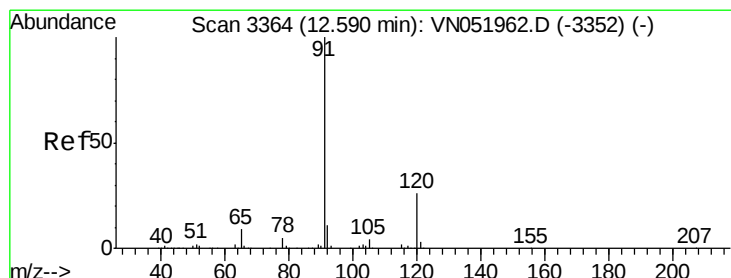
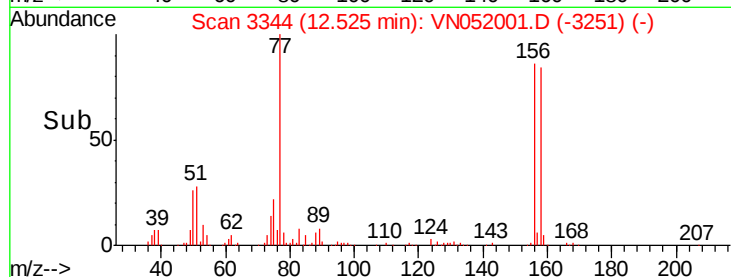
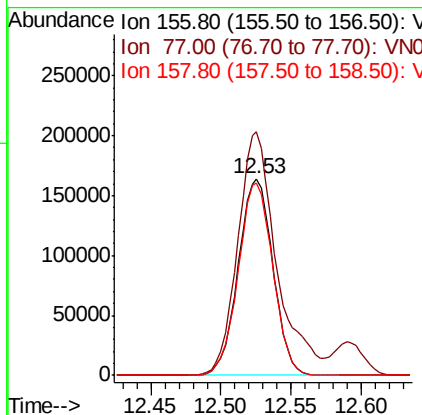
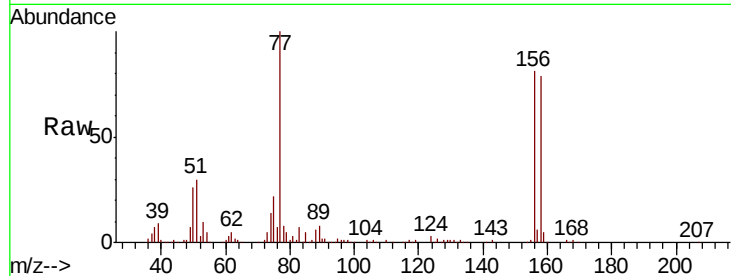
ClientSampleId :

VN1025WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		282648		
77	139.2	71.1	213.3		
158	97.4	49.3	147.8		

Manual Integrations
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#78

n-propylbenzene

Concen: 21.046 ug/l

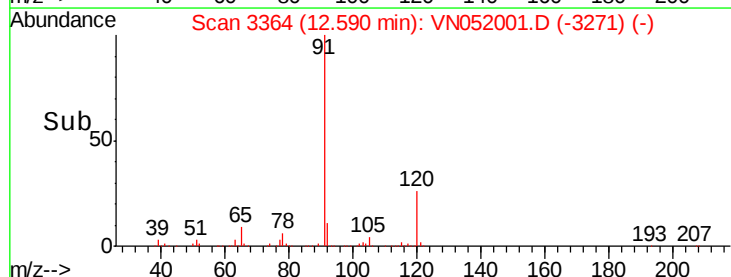
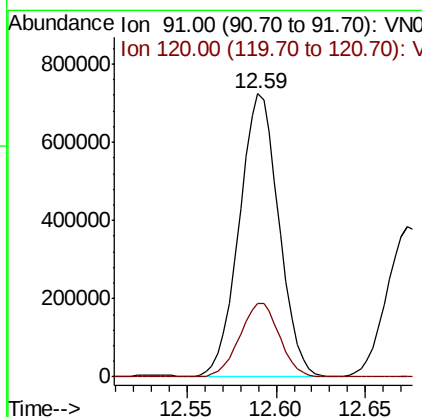
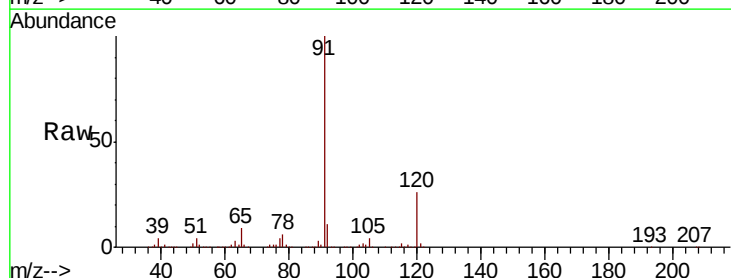
RT: 12.59 min Scan# 3364

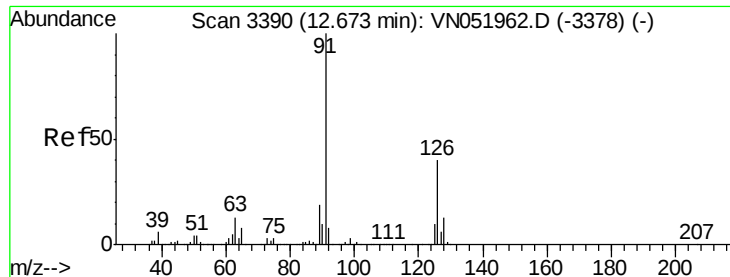
Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1121934		
120	26.2	13.1	39.3		





#79

2-Chlorotoluene

Concen: 20.573 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052001.D

Acq: 25 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 91 Resp: 638672

Ion Ratio Lower Upper

91 100

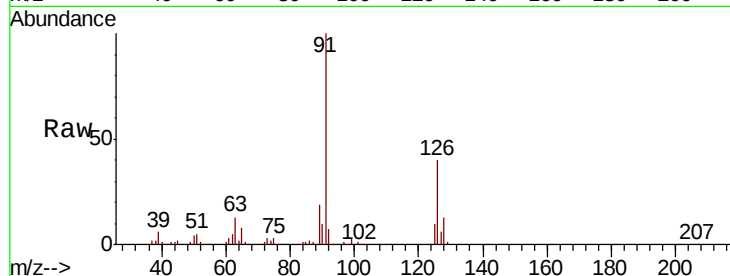
126 40.3 20.1 60.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051962.D (-3378) (-)

600000

400000

200000

0

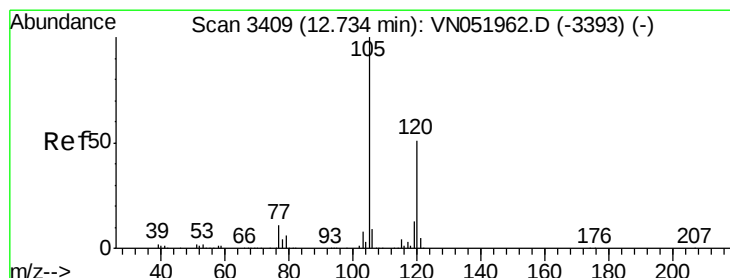
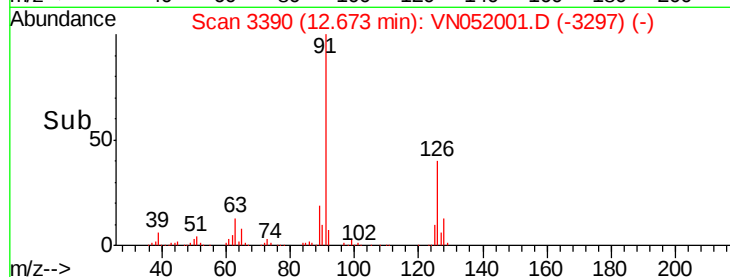
12.67

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.181 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052001.D

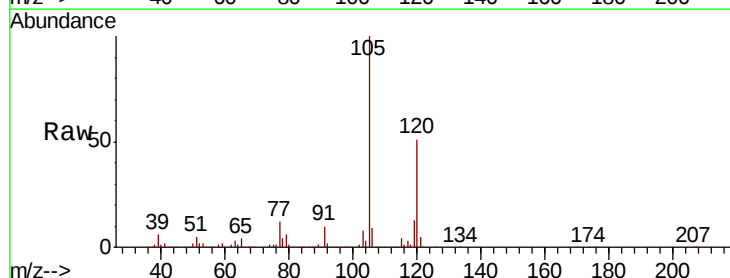
Acq: 25 Oct 2018 10:27

Tgt Ion: 105 Resp: 839786

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VN051962.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051962.D (-3393) (-)

600000

500000

400000

300000

200000

100000

0

12.73

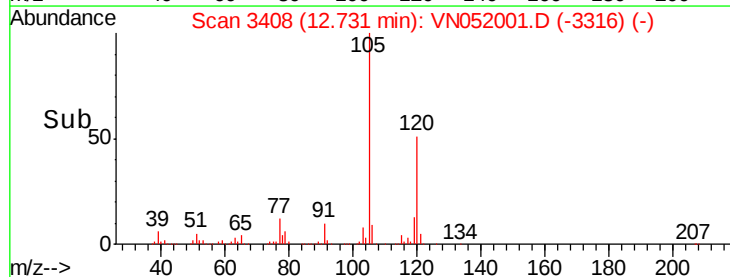
12.65

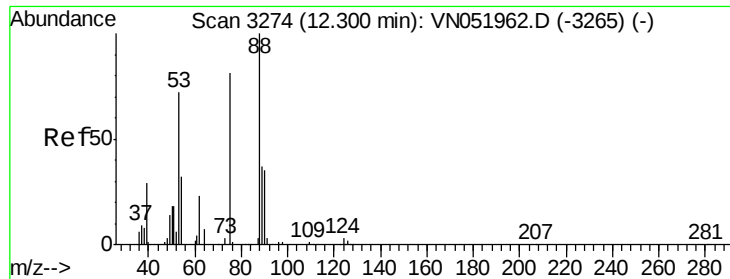
12.70

12.75

12.80

Time-->





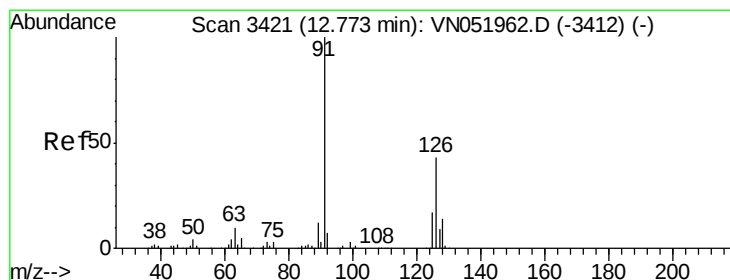
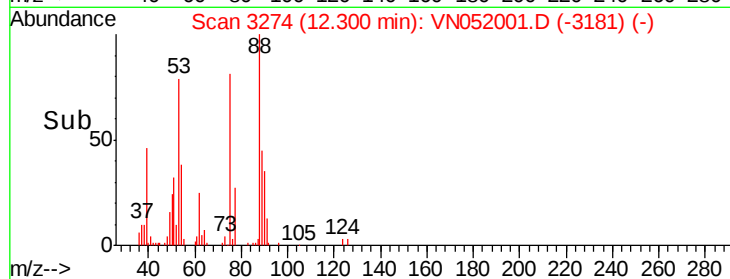
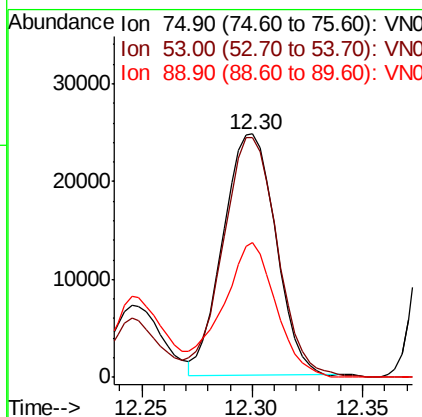
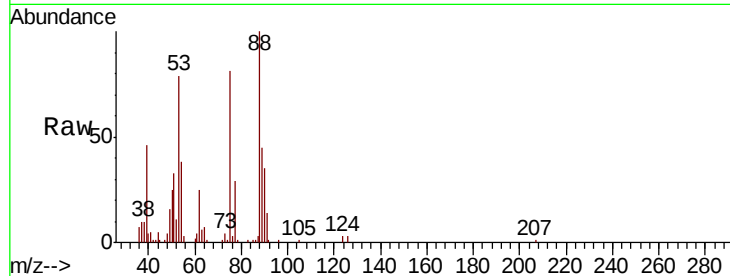
#81
trans-1,4-Dichloro-2-butene
Concen: 17.651 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	73.5	110.3
89	56.6	41.6	62.4

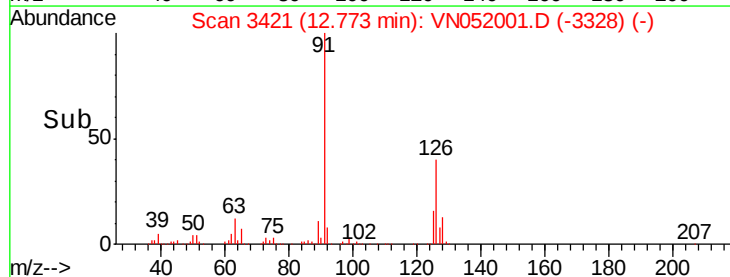
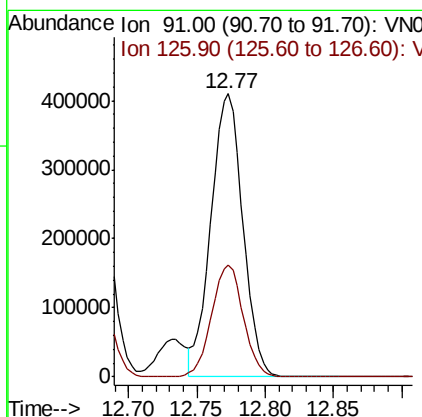
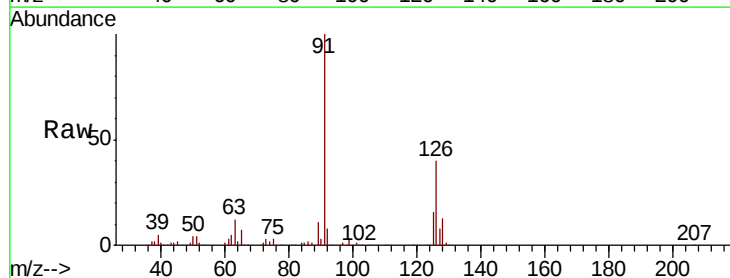
Manual Integrations
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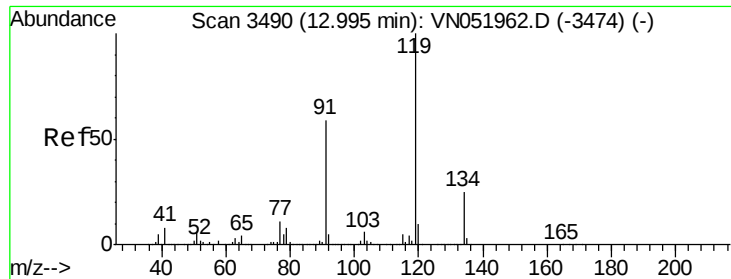
MMDadoda
10/26/2018 9:19:33 AM



#82
4-Chlorotoluene
Concen: 20.689 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.2	19.7	59.0





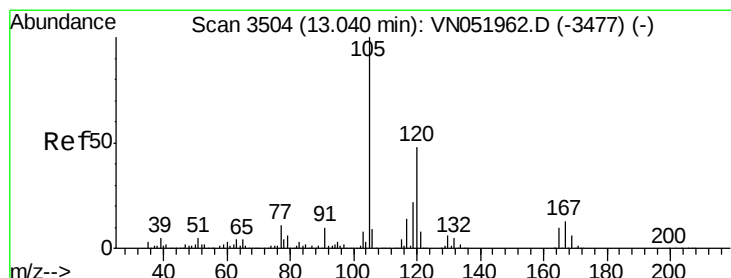
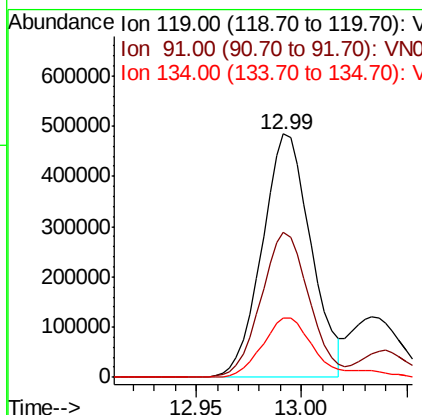
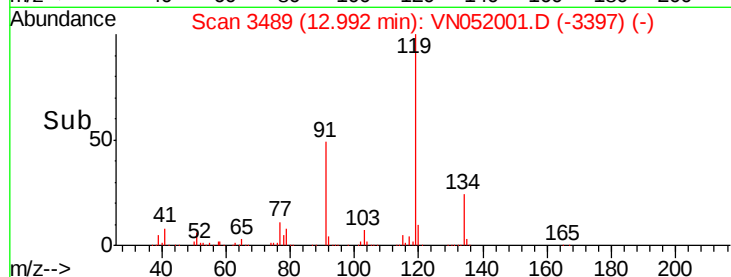
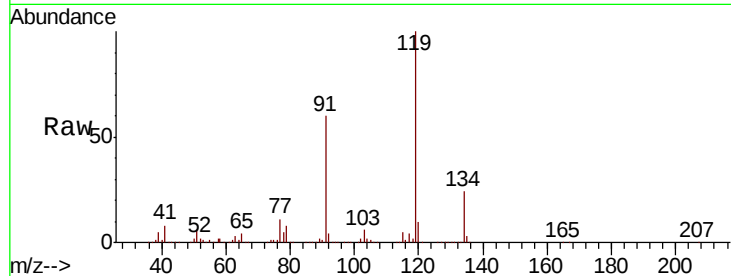
#83
tert-Butylbenzene
Concen: 20.796 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	779822		
91	58.8		28.8	86.4
134	25.3		13.4	40.1

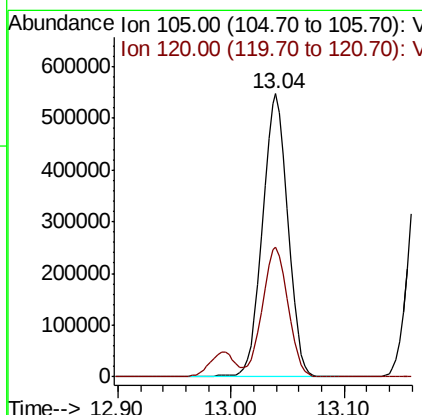
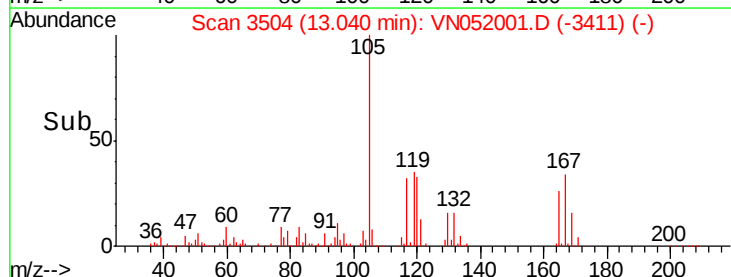
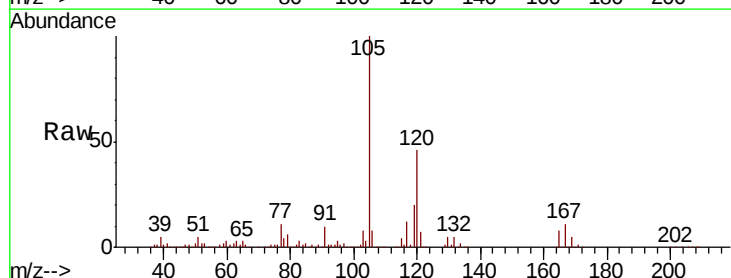
Manual Integrations
APPROVED

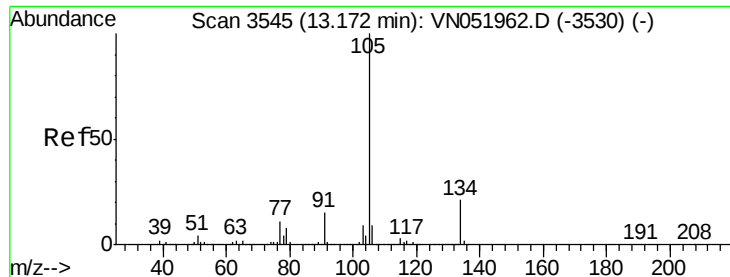
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.805 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	850876		
120	46.3		23.8	71.5





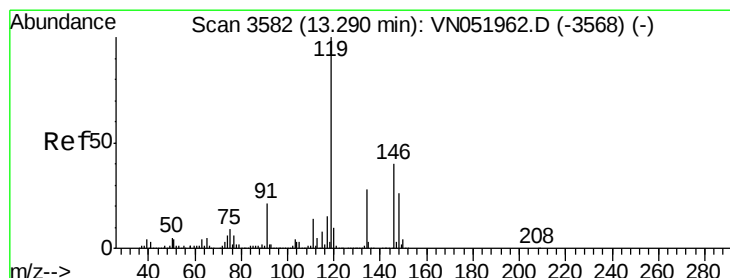
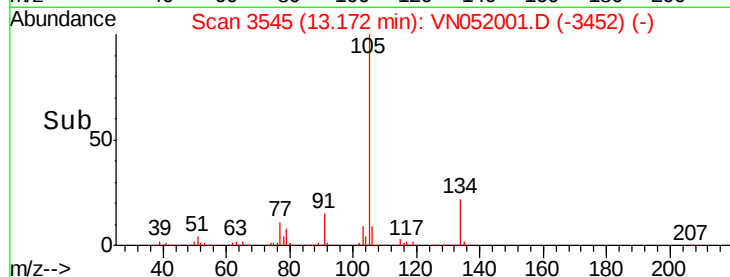
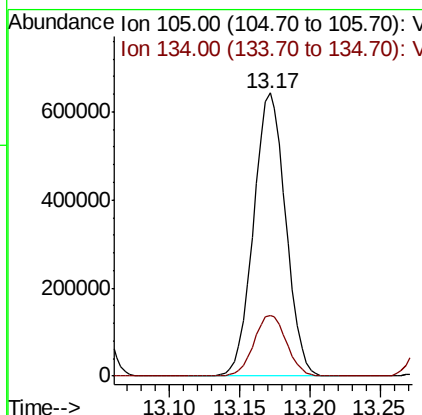
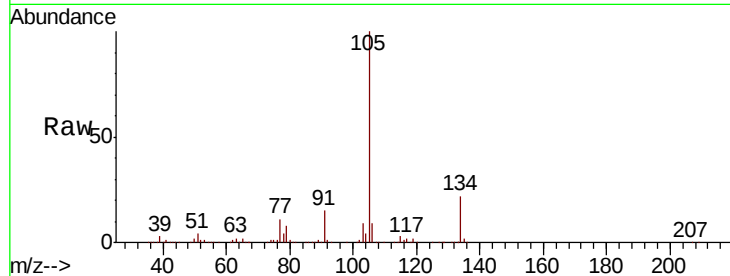
#85
 sec-Butylbenzene
 Concen: 20.903 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion:105 Resp: 1023756
 Ion Ratio Lower Upper
 105 100
 134 21.8 10.9 32.9

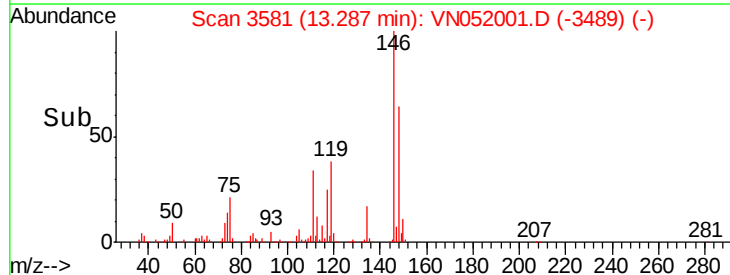
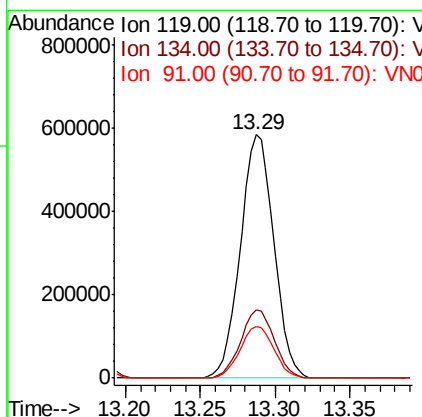
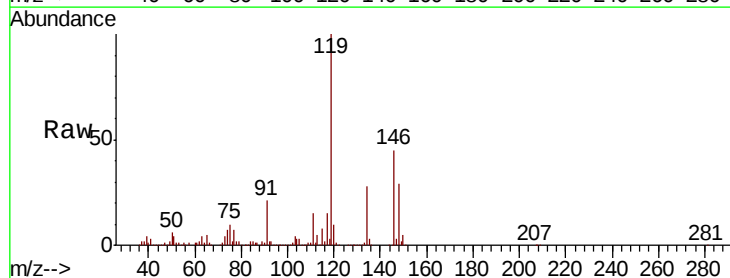
Manual Integrations
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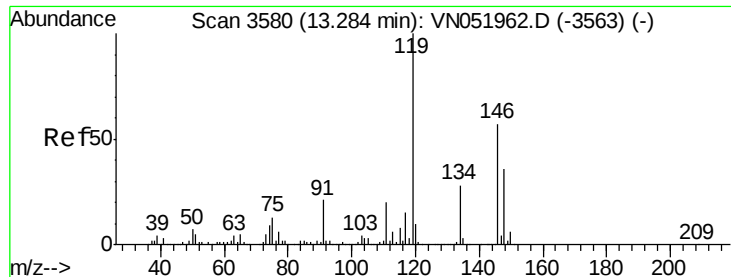
MMDadoda
 10/26/2018 9:19:33 AM



#86
 p-Isopropyltoluene
 Concen: 20.561 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion:119 Resp: 906610
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.9 41.7
 91 21.6 10.6 31.8





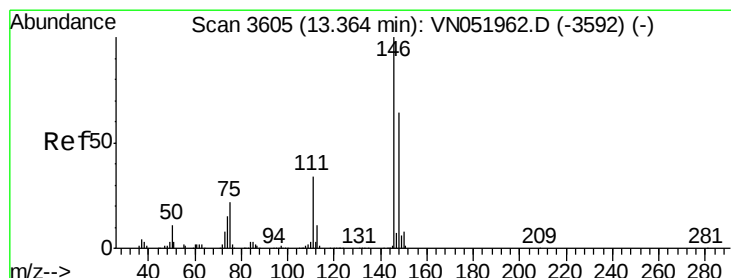
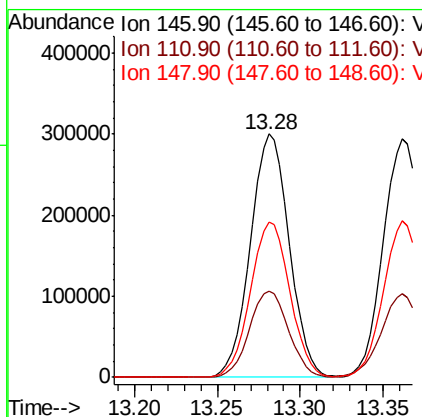
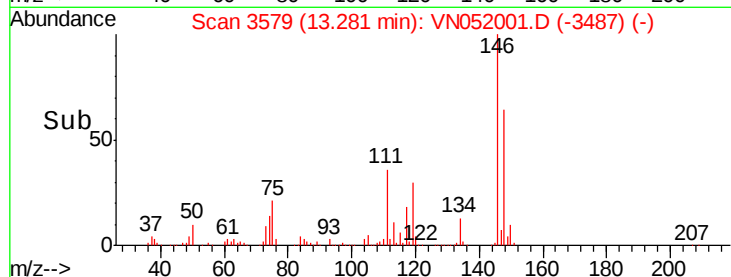
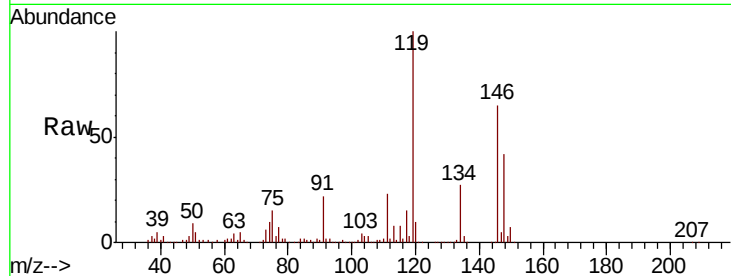
#87
 1,3-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	17.6	52.8
148	64.7	32.0	96.0

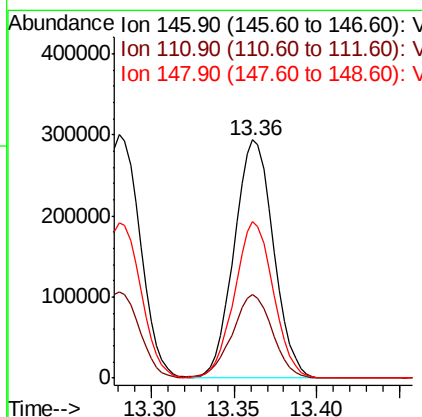
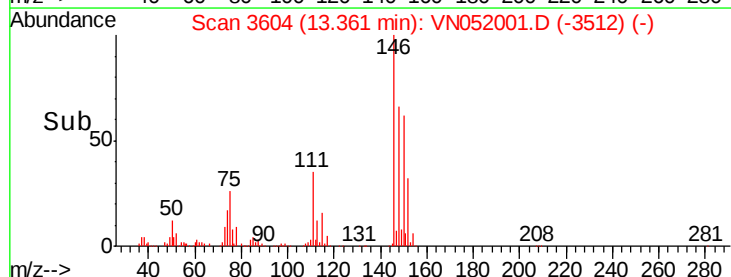
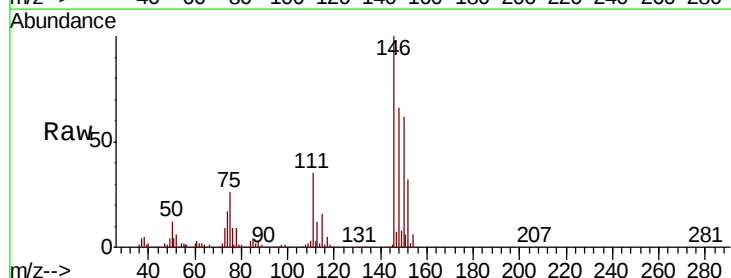
Manual Integrations
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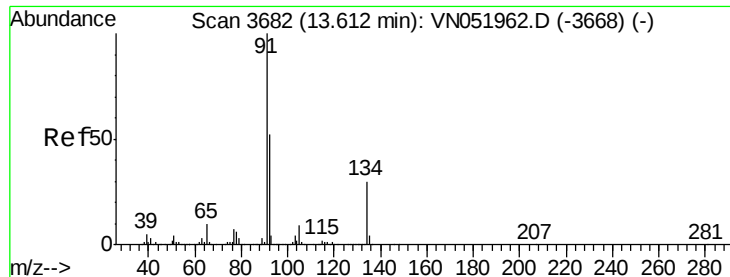
MMDadoda
 10/26/2018 9:19:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.504 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.3	51.7
148	65.0	32.1	96.3





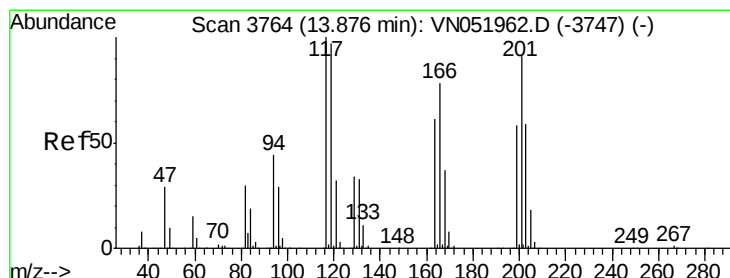
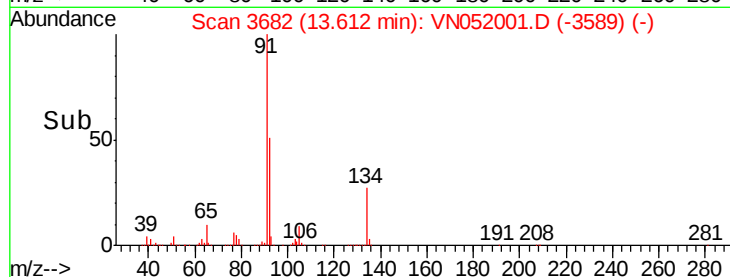
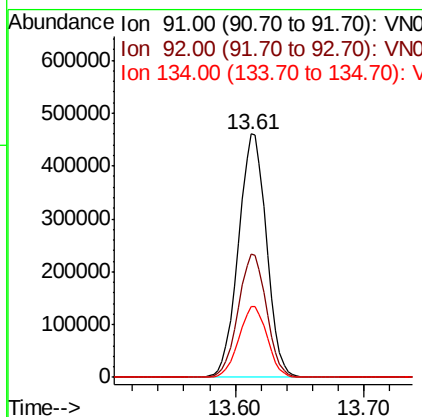
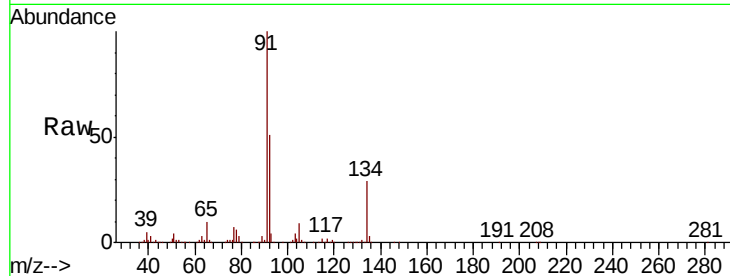
#89
n-Butylbenzene
Concen: 19.787 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.8
134	29.6	15.2	45.6

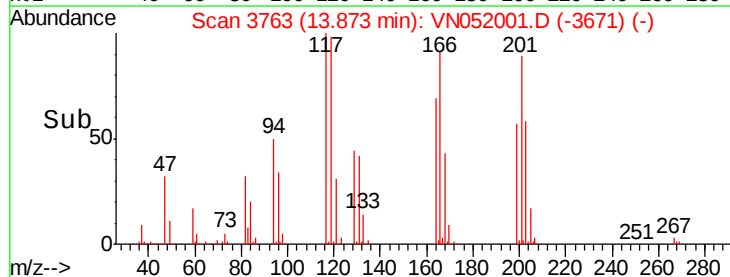
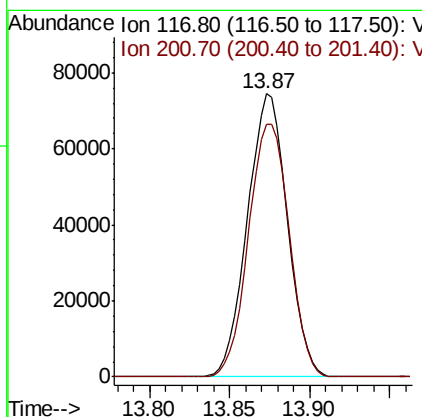
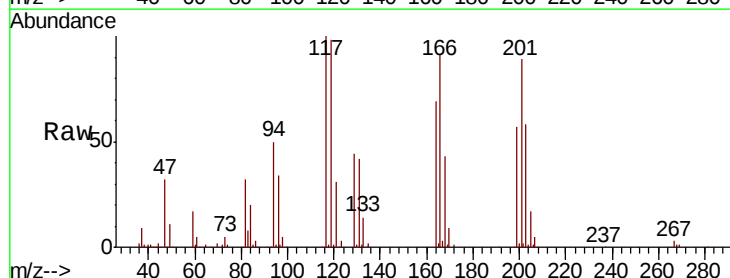
Manual Integrations
APPROVED

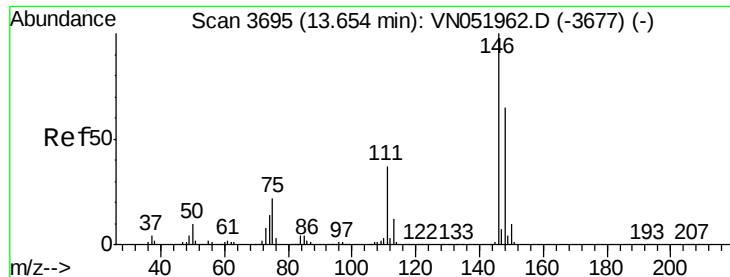
MMDadoda
10/26/2018 9:19:33 AM



#90
Hexachloroethane
Concen: 19.379 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	45.6	136.9





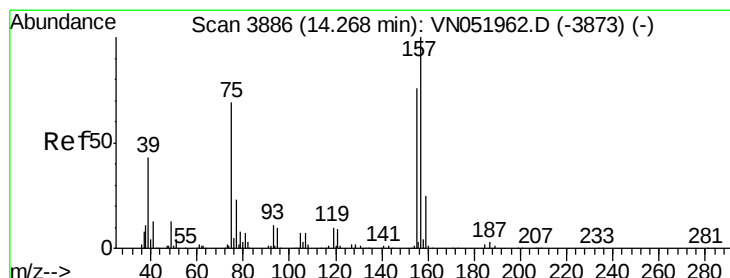
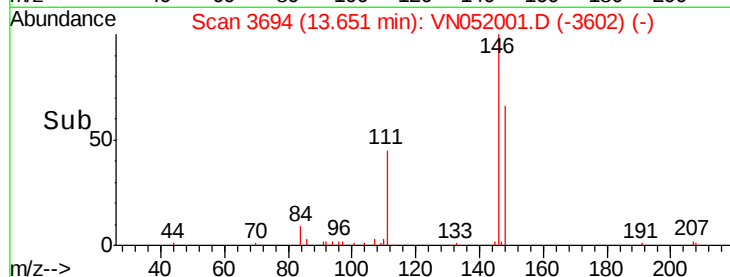
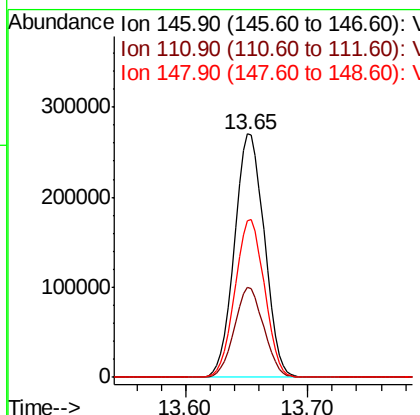
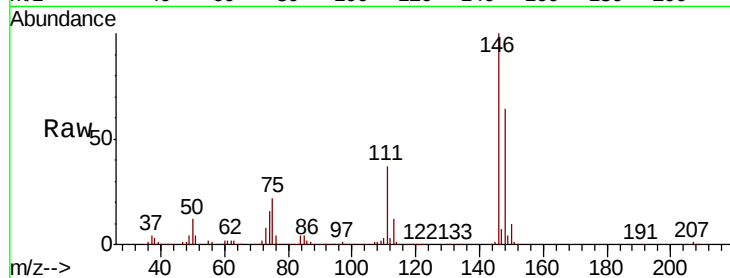
#91
 1,2-Dichlorobenzene
 Concen: 18.816 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.9
148	64.2	32.4	97.0

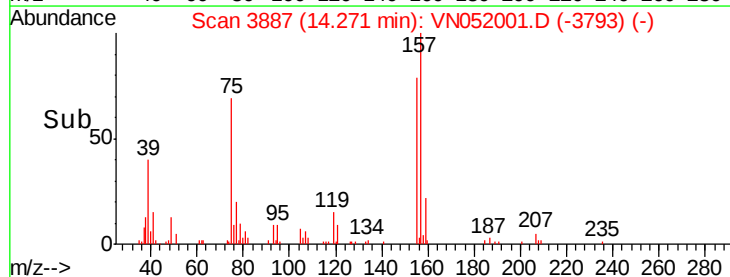
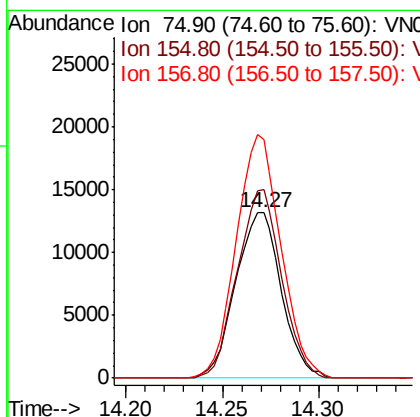
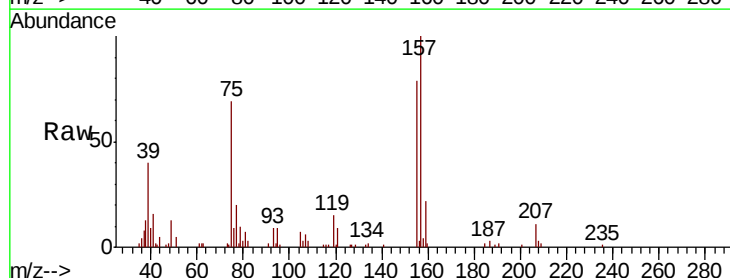
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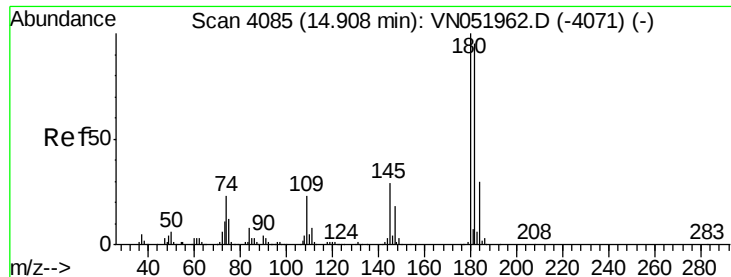
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 10/26/2018 9:19:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.808 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.2	56.0	167.9
157	143.8	73.9	221.6





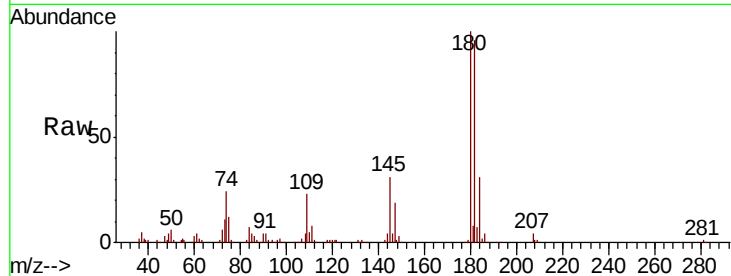
#93
 1,2,4-Trichlorobenzene
 Concen: 11.543 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

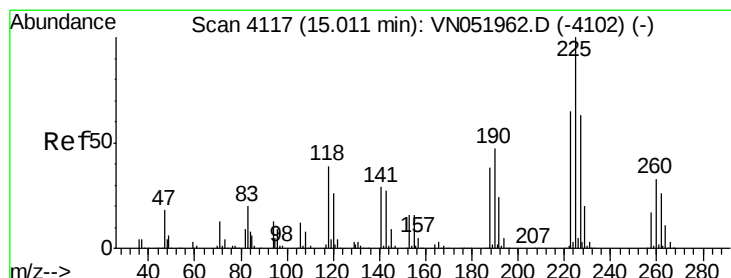
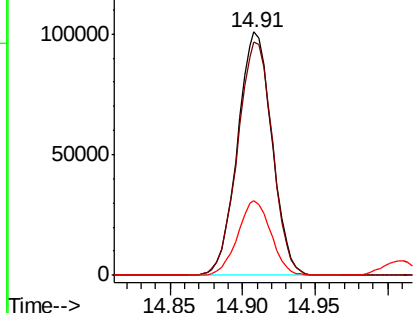
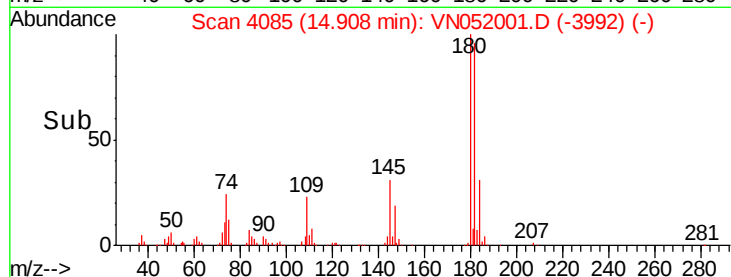
Tot Ion	Ratio	Resp	Lower	Upper
180	100	165930		
182	97.3	47.8	143.4	
145	29.7	14.5	43.5	

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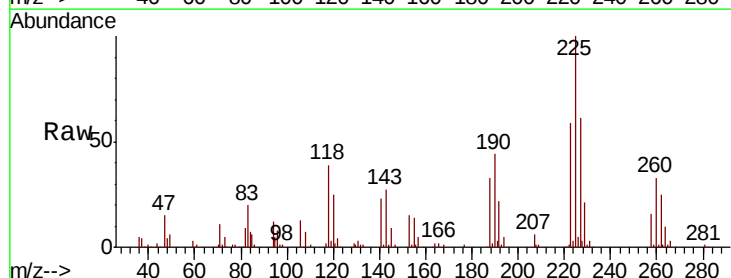


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

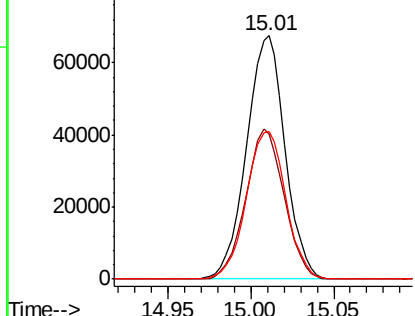
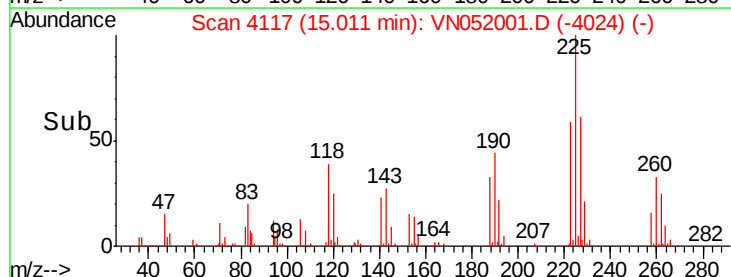


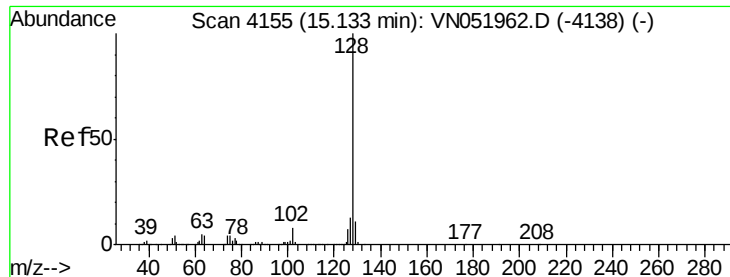
#94
 Hexachlorobutadiene
 Concen: 14.783 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052001.D
 Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109184		
223	61.5	31.8	95.4	
227	62.3	31.4	94.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





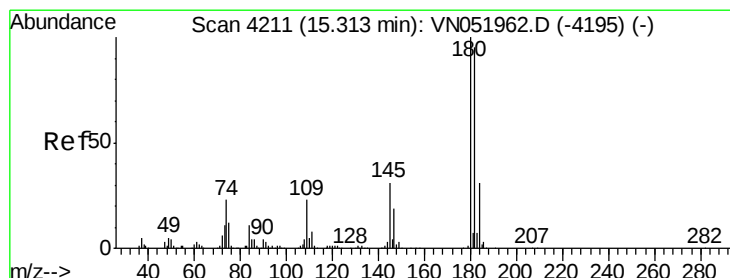
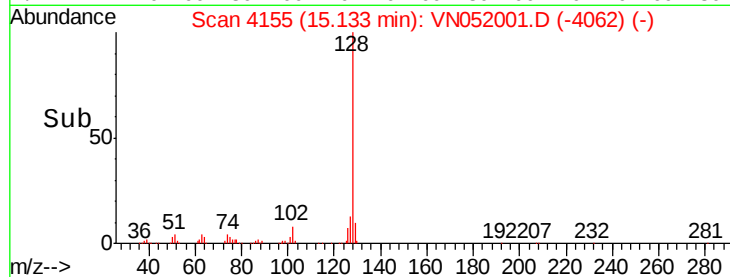
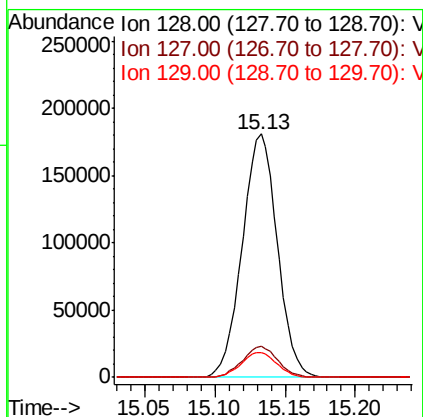
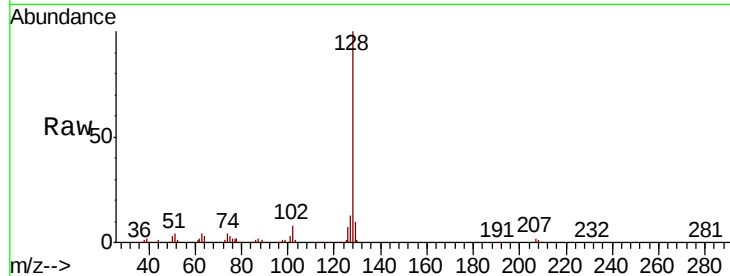
#95
Naphthalene
Concen: 10.097 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.5	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 9.664 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052001.D
Acq: 25 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.9	143.6
145	31.5	15.4	46.2

