

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053150.D
 Acq On : 22 Dec 2018 23:52
 Operator : MD\SY
 Sample : VN1222MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:11:01 AM

Quant Time: Dec 24 01:22:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	968953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1523166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1351078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	591332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	544468	55.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.74%	
35) Dibromofluoromethane	7.59	113	440283	63.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.56%	
50) Toluene-d8	10.09	98	1950685	52.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.40	95	674975	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	181551	18.513	ug/l	100
3) Chloromethane	2.06	50	230741	19.417	ug/l	99
4) Vinyl Chloride	2.19	62	235307	19.552	ug/l	100
5) Bromomethane	2.57	94	150940	18.102	ug/l	100
6) Chloroethane	2.71	64	141281	19.821	ug/l	100
7) Trichlorofluoromethane	3.03	101	297546	19.846	ug/l	99
8) Diethyl Ether	3.41	74	120422	21.291	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186134	19.472	ug/l	98
10) Methyl Iodide	3.96	142	248969	18.546	ug/l	99
11) Tert butyl alcohol	4.78	59	63546	105.915	ug/l	98
12) 1,1-Dichloroethene	3.74	96	183744	19.896	ug/l	98
13) Acrolein	3.61	56	65658	120.690	ug/l	97
14) Allyl chloride	4.33	41	305294	21.341	ug/l	94
15) Acrylonitrile	4.99	53	358064	107.425	ug/l	99
16) Acetone	3.81	43	219752	113.982	ug/l	96
17) Carbon Disulfide	4.06	76	485886	16.132	ug/l	99
18) Methyl Acetate	4.33	43	197300	23.092	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	535021	21.648	ug/l	98
20) Methylene Chloride	4.55	84	220961	21.010	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	193552	19.506	ug/l	97
22) Diisopropyl ether	5.95	45	669367	21.921	ug/l	99
23) Vinyl Acetate	5.90	43	1912596	108.927	ug/l	99
24) 1,1-Dichloroethane	5.85	63	379351	20.907	ug/l	99
25) 2-Butanone	6.83	43	374197	115.651	ug/l	99
26) 2,2-Dichloropropane	6.83	77	229277	16.553	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	229449	20.425	ug/l	99
28) Bromochloromethane	7.20	49	170653	21.705	ug/l	97
29) Tetrahydrofuran	7.21	42	267980	110.894	ug/l	98
30) Chloroform	7.37	83	371024	20.815	ug/l	100
31) Cyclohexane	7.66	56	345396	19.659	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	304591	20.060	ug/l	99
36) 1,1-Dichloropropene	7.79	75	280611	19.194	ug/l	100
37) Ethyl Acetate	6.93	43	175829	21.544	ug/l	99
38) Carbon Tetrachloride	7.77	117	253969	18.952	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	308550	17.373	ug/l	99
40) Benzene	8.04	78	872985	20.075	ug/l	98
41) Methacrylonitrile	7.17	41	111667	23.680	ug/l	89
42) 1,2-Dichloroethane	8.13	62	256134	19.938	ug/l	99
43) Isopropyl Acetate	8.16	43	330211	20.287	ug/l	99
44) Trichloroethene	8.84	130	237574	18.888	ug/l	98
45) 1,2-Dichloropropane	9.12	63	234813	20.731	ug/l	99
46) Dibromomethane	9.21	93	131240	19.890	ug/l	99
47) Bromodichloromethane	9.40	83	274629	19.580	ug/l	100
48) Methyl methacrylate	9.20	41	170057	21.473	ug/l	99
49) 1,4-Dioxane	9.20	88	40702	406.289	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	884819	111.949	ug/l	100
52) Toluene	10.16	92	541652	20.095	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	271918	18.436	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	321122	18.968	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191443	20.359	ug/l	100
56) Ethyl methacrylate	10.43	69	258493	20.769	ug/l	98
57) 1,3-Dichloropropane	10.71	76	335662	20.816	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	723785	105.926	ug/l	99
59) 2-Hexanone	10.75	43	586881	109.748	ug/l	99
60) Dibromochloromethane	10.90	129	204750	19.022	ug/l	100
61) 1,2-Dibromoethane	11.01	107	192377	20.144	ug/l	99
64) Tetrachloroethene	10.63	164	261492	17.867	ug/l	99
65) Chlorobenzene	11.43	112	596101	19.903	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206349	19.813	ug/l	100
67) Ethyl Benzene	11.51	91	1015935	19.725	ug/l	100
68) m/p-Xylenes	11.62	106	772434	39.450	ug/l	99
69) o-Xylene	11.95	106	378883	20.165	ug/l	99
70) Styrene	11.96	104	612332	19.987	ug/l	100
71) Bromoform	12.13	173	137943	18.334	ug/l	99
73) Isopropylbenzene	12.25	105	996415	21.536	ug/l	100
74) N-amyl acetate	12.07	43	287748	22.401	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222582	24.522	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195249m	19.614	ug/l	
77) Bromobenzene	12.53	156	253880	21.110	ug/l	99
78) n-propylbenzene	12.59	91	1091603	20.716	ug/l	100
79) 2-Chlorotoluene	12.67	91	660467	20.221	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	777467	20.616	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54803	17.744	ug/l	98
82) 4-Chlorotoluene	12.77	91	662026	20.706	ug/l	99
83) tert-Butylbenzene	12.99	119	688748	20.651	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	783419	20.665	ug/l	100
85) sec-Butylbenzene	13.17	105	889790	19.724	ug/l	99
86) p-Isopropyltoluene	13.29	119	760129	19.500	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	419179	19.693	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	409639	19.004	ug/l	99
89) n-Butylbenzene	13.62	91	575315	17.155	ug/l	100
90) Hexachloroethane	13.88	117	112934	18.879	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	394369	19.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30209	19.248	ug/l	96

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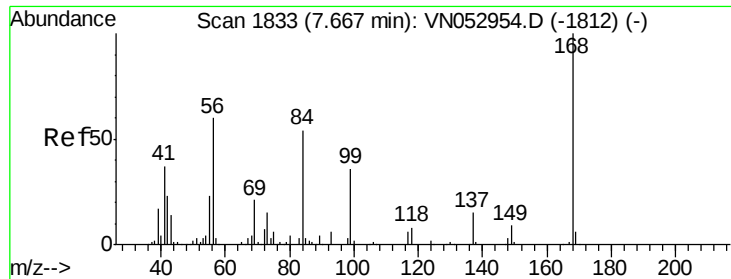
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	176630	17.039	ug/l	98
94) Hexachlorobutadiene	15.01	225	111449	18.469	ug/l	100
95) Naphthalene	15.13	128	395581	17.771	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	161062	17.188	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

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VN1222MBS02

Tgt Ion: 168 Resp: 968953

Ion Ratio Lower Upper

168 100

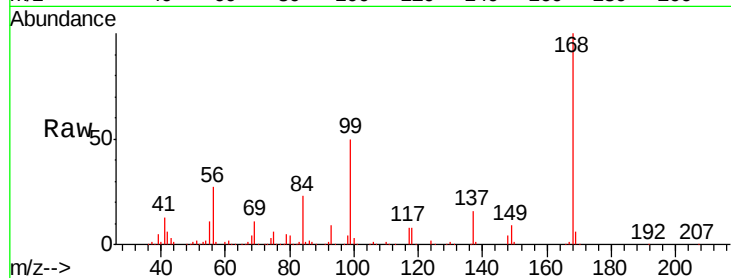
99 49.8 40.2 60.2

Manual Integrations

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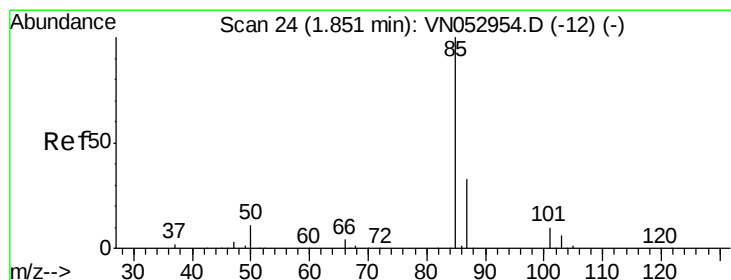
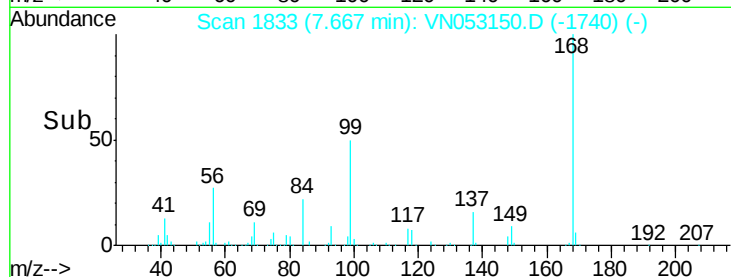
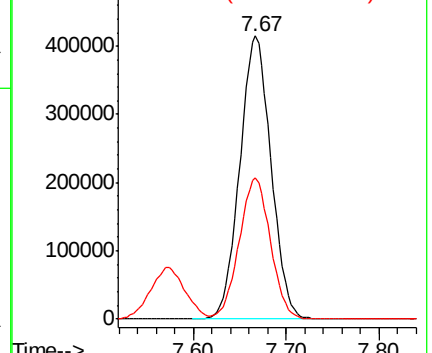
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.513 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053150.D

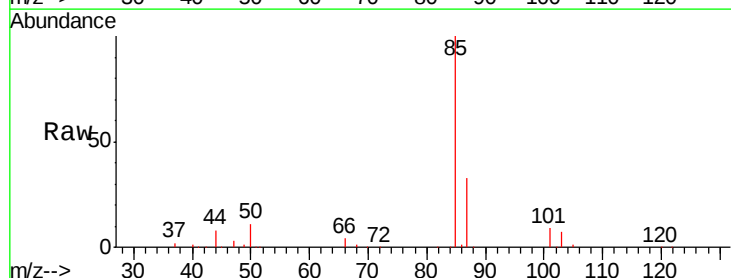
Acq: 22 Dec 2018 23:52

Tgt Ion: 85 Resp: 181551

Ion Ratio Lower Upper

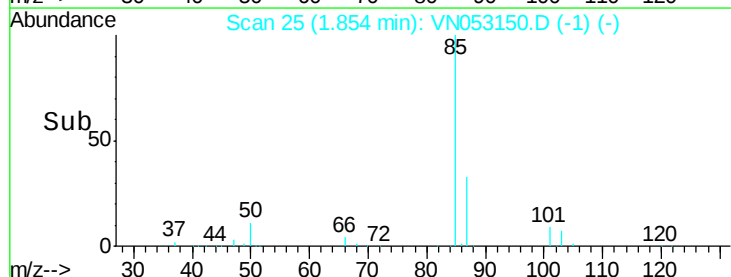
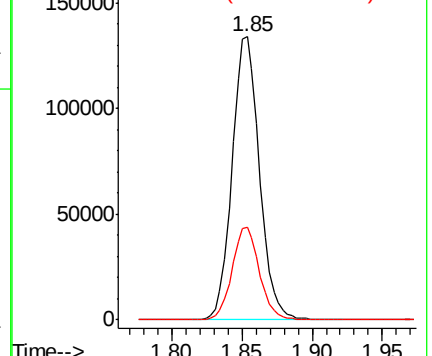
85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





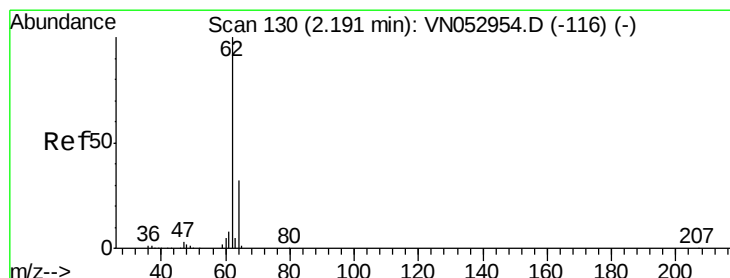
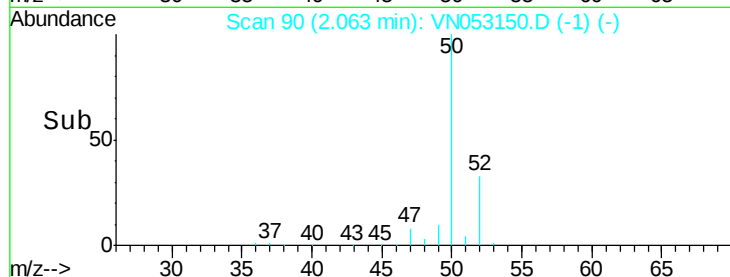
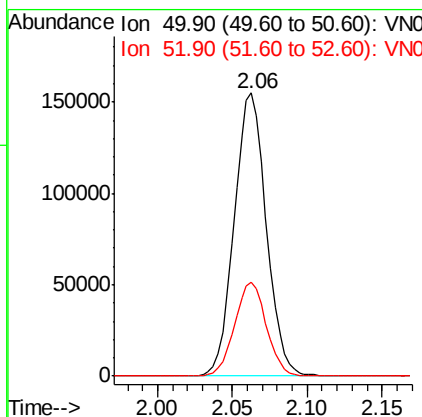
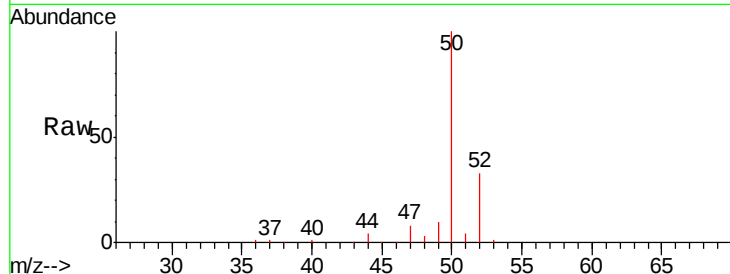
#3
Chloromethane
Concen: 19.417 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 50 Resp: 230741
Ion Ratio Lower Upper
50 100
52 33.3 26.2 39.4

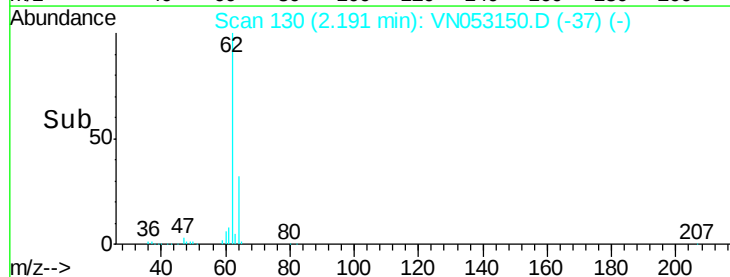
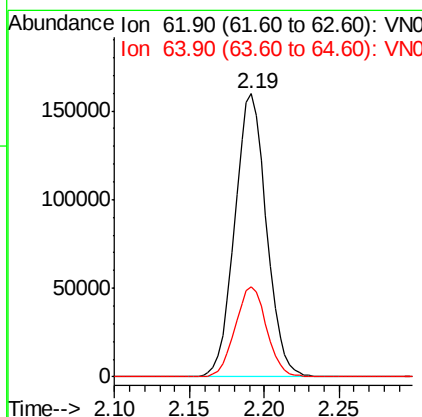
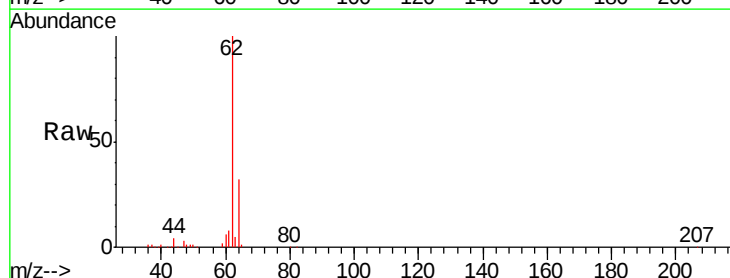
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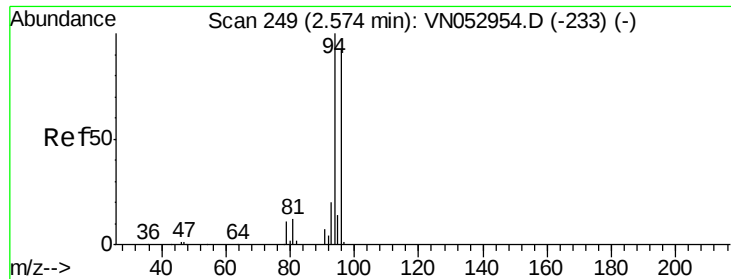
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#4
Vinyl Chloride
Concen: 19.552 ug/l
RT: 2.19 min Scan# 130
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 62 Resp: 235307
Ion Ratio Lower Upper
62 100
64 31.7 25.5 38.3





#5

Bromomethane

Concen: 18.102 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 94 Resp: 150940

Ion Ratio Lower Upper

94 100

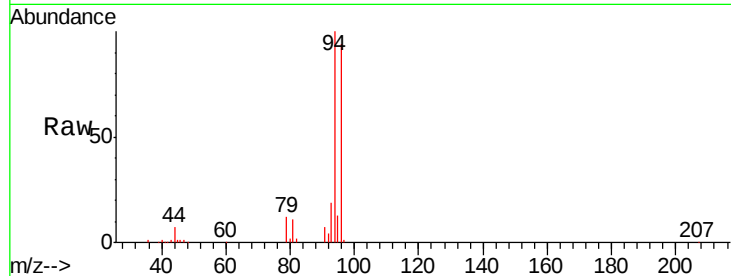
96 94.2 75.0 112.4

Manual Integrations

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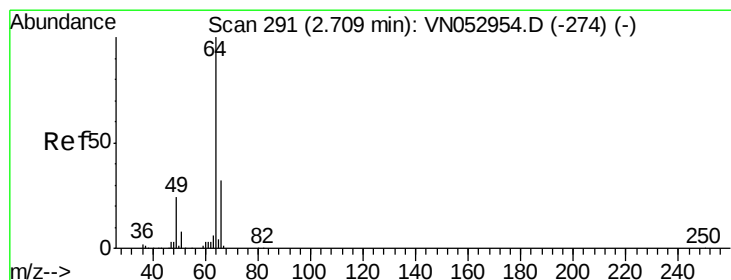
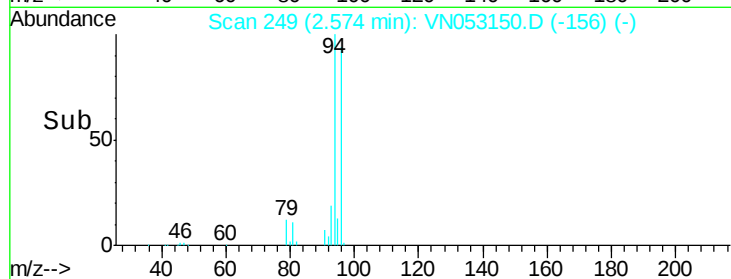
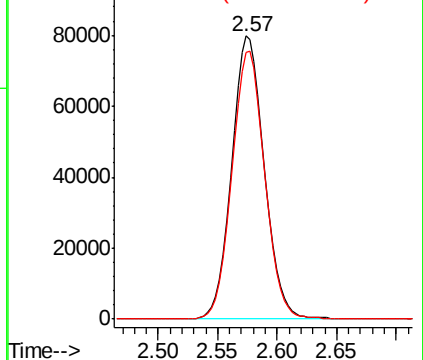
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.821 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053150.D

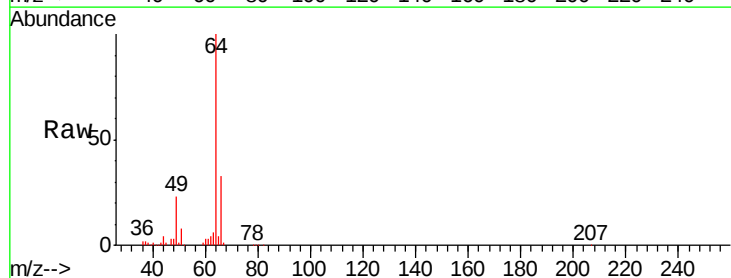
Acq: 22 Dec 2018 23:52

Tgt Ion: 64 Resp: 141281

Ion Ratio Lower Upper

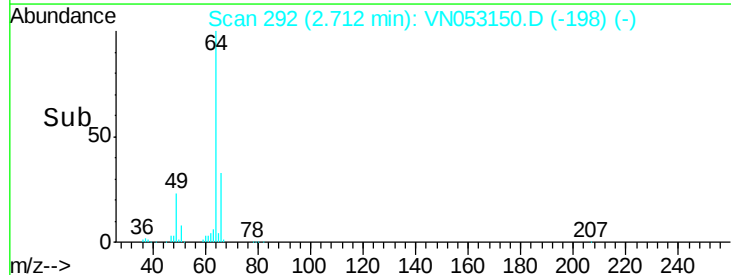
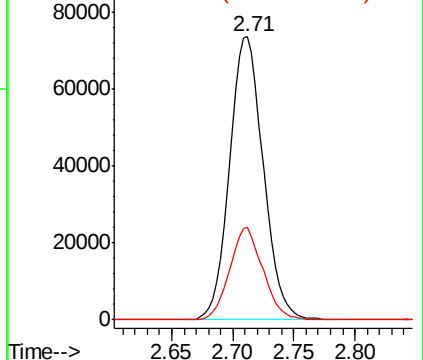
64 100

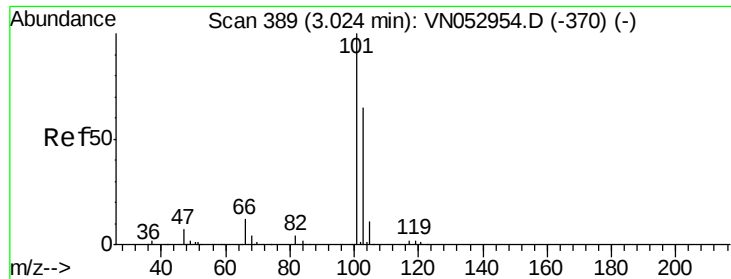
66 32.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

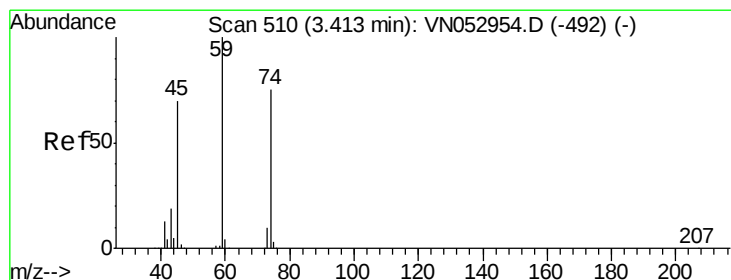
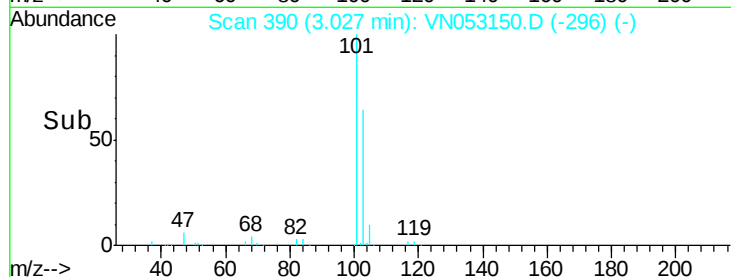
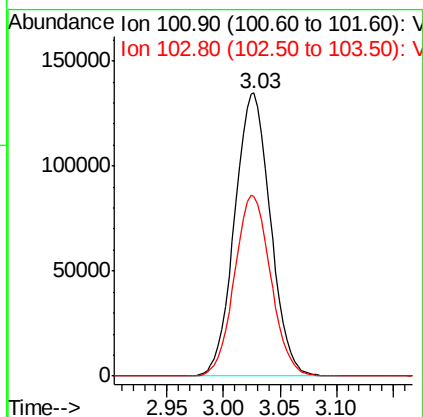
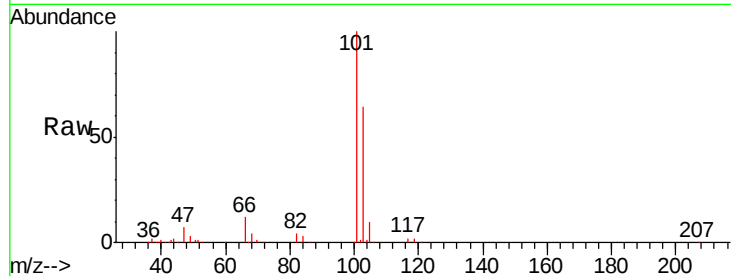
Trichlorofluoromethane
Concen: 19.846 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
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VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.6

Manual Integrations
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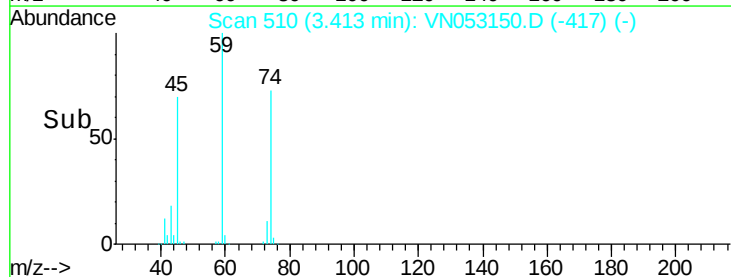
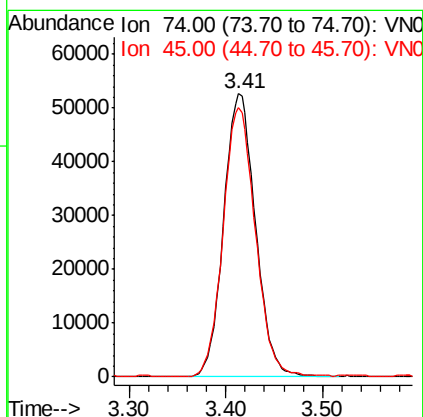
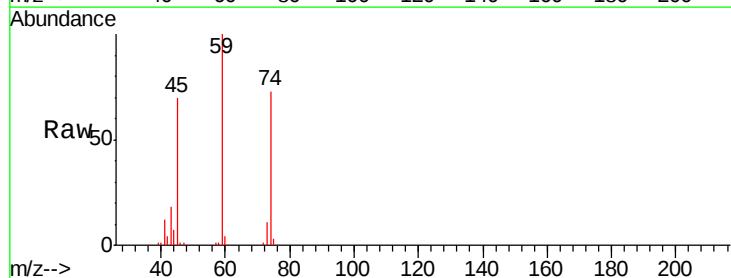
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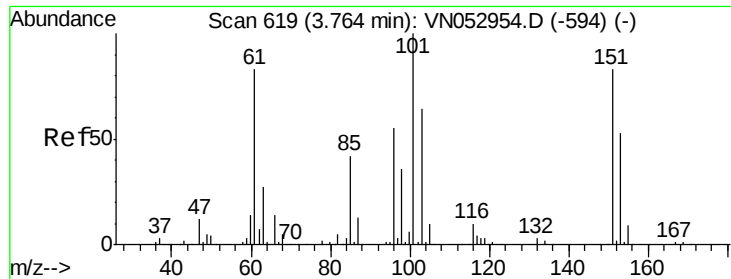


#8

Diethyl Ether
Concen: 21.291 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053150.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	49.4	148.0





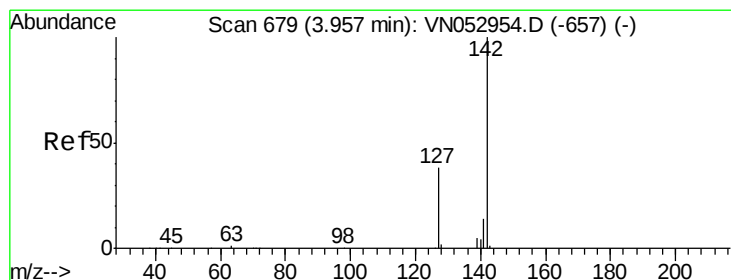
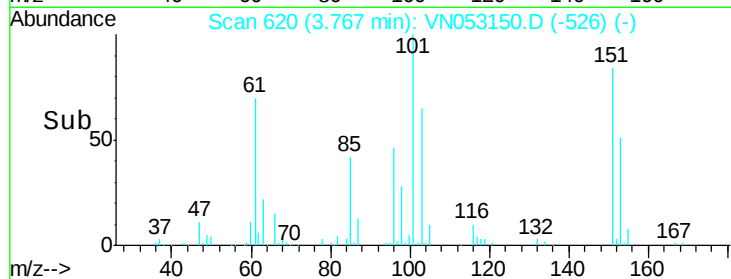
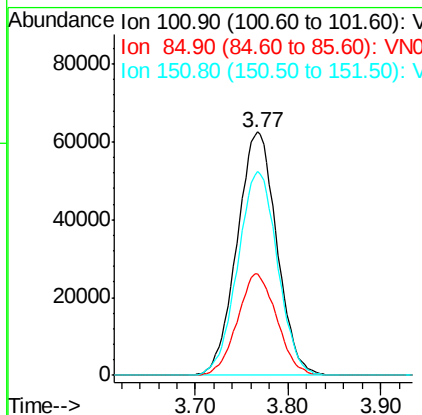
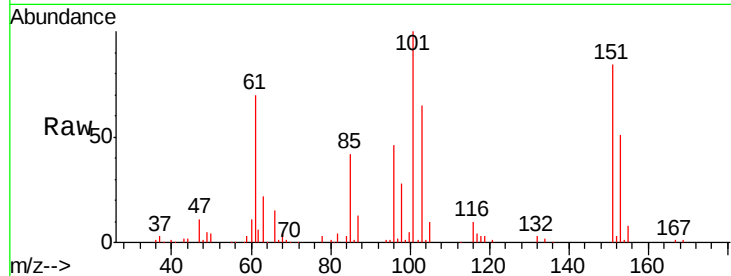
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.472 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	186134		
85	41.2	33.6	50.4	
151	84.0	65.5	98.3	

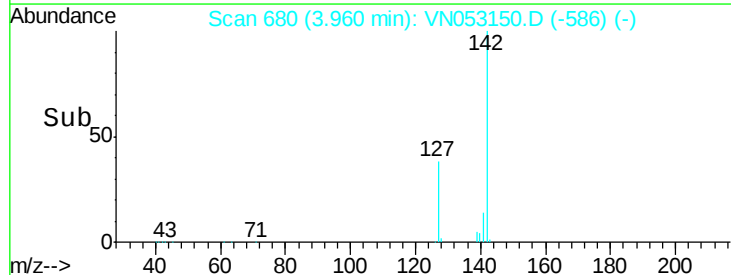
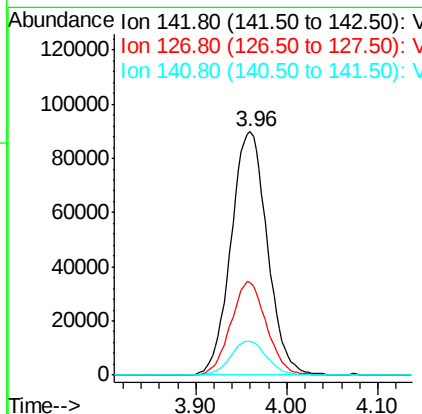
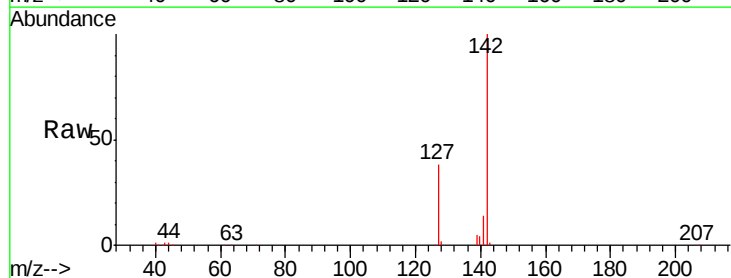
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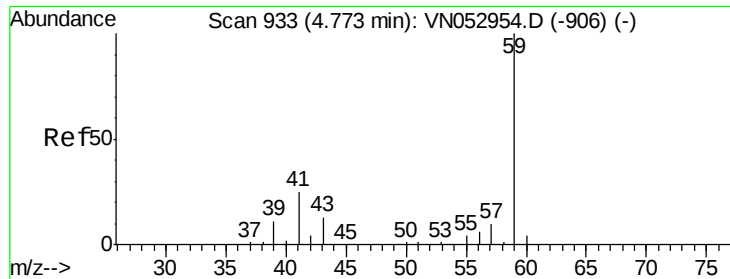
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 12/24/2018 9:11:01 AM



#10
 Methyl Iodide
 Concen: 18.546 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	248969		
127	37.8	31.0	46.6	
141	13.8	11.2	16.8	





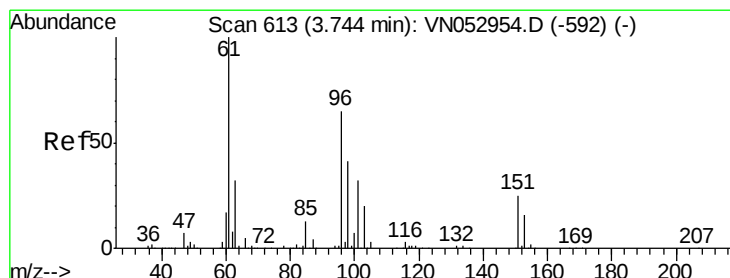
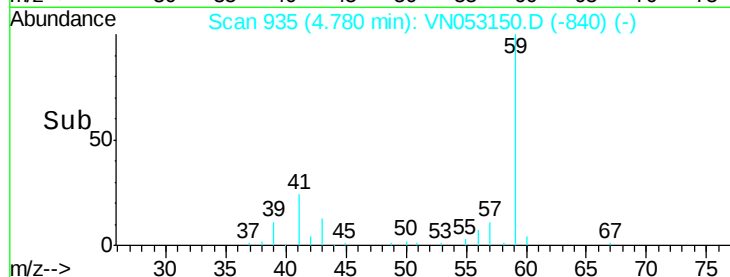
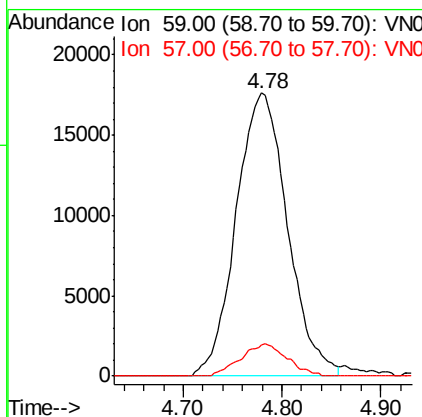
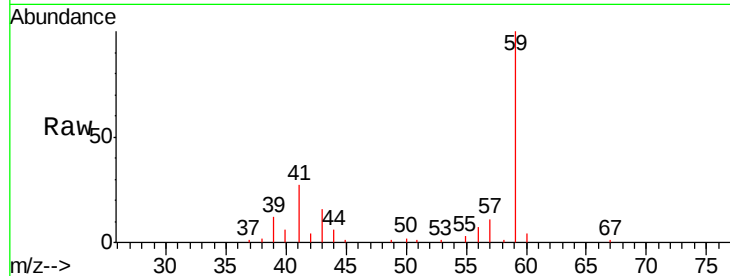
#11
Tert butyl alcohol
Concen: 105.915 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 59 Resp: 63546
Ion Ratio Lower Upper
59 100
57 10.3 7.7 11.5

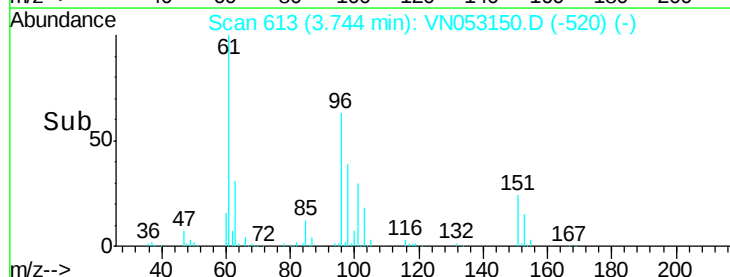
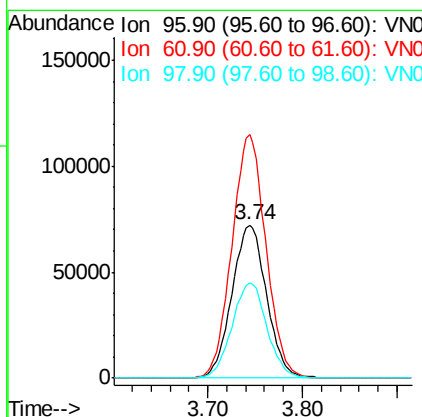
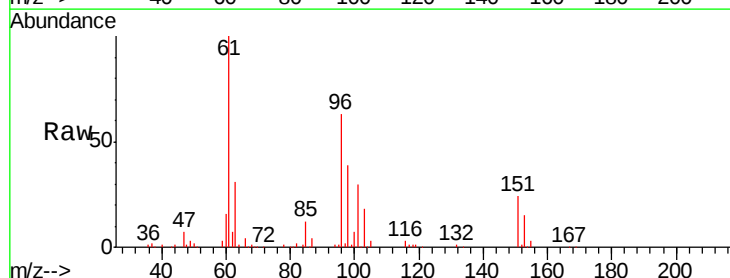
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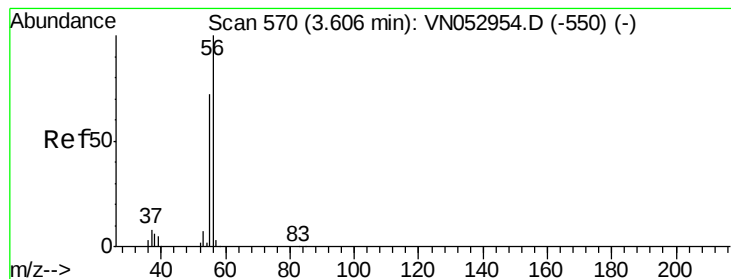
MMDadoda
12/24/2018 9:11:01 AM



#12
1,1-Dichloroethene
Concen: 19.896 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 96 Resp: 183744
Ion Ratio Lower Upper
96 100
61 159.4 125.6 188.4
98 62.0 50.6 75.8





#13

Acrolein

Concen: 120.690 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 56 Resp: 65658

Ion Ratio Lower Upper

56 100

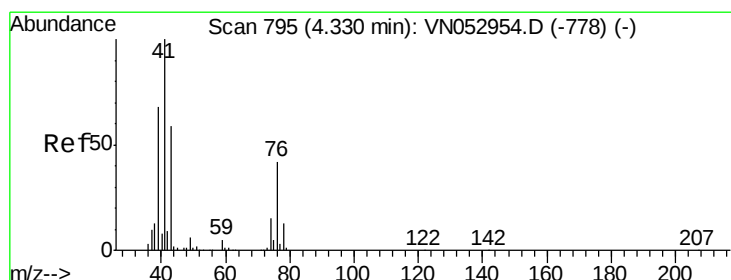
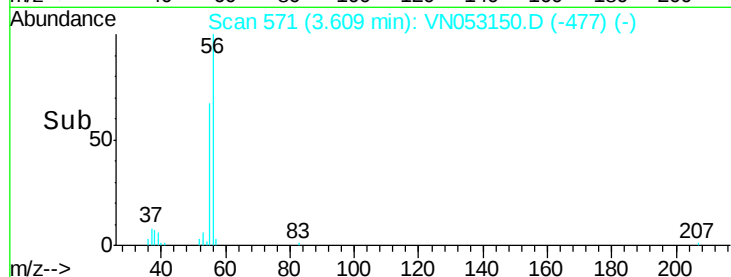
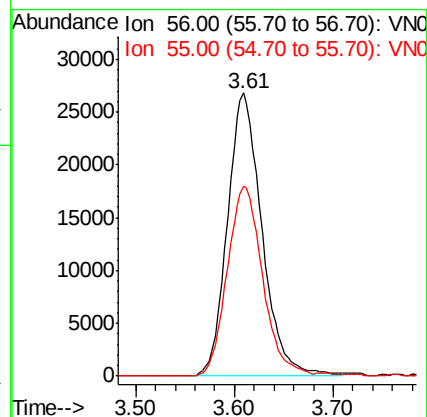
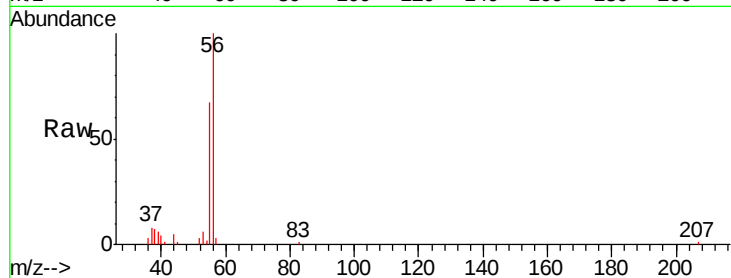
55 68.5 56.6 85.0

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#14

Allyl chloride

Concen: 21.341 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

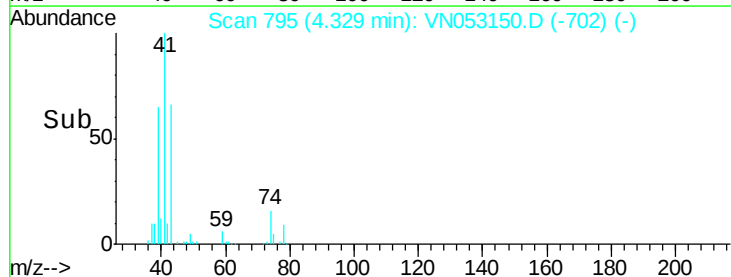
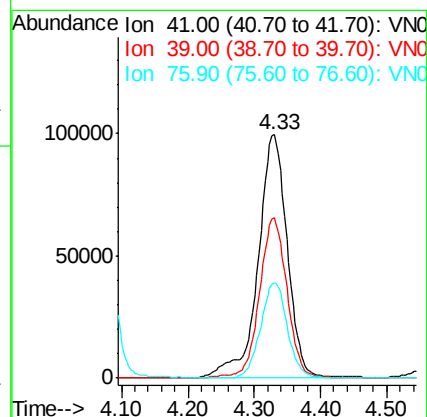
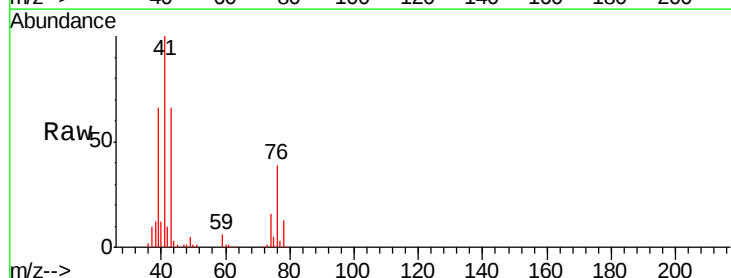
Tgt Ion: 41 Resp: 305294

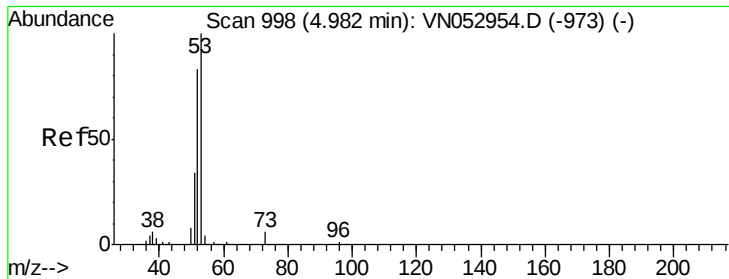
Ion Ratio Lower Upper

41 100

39 62.2 54.1 81.1

76 35.6 30.3 45.5





#15

Acrylonitrile

Concen: 107.425 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

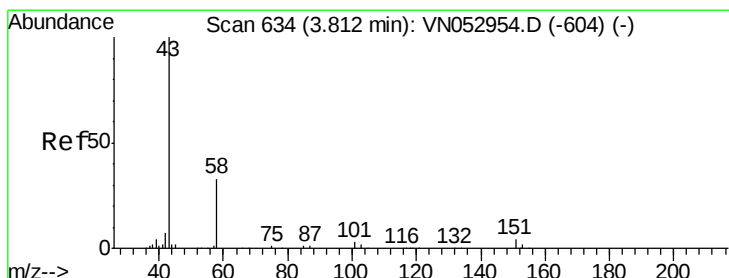
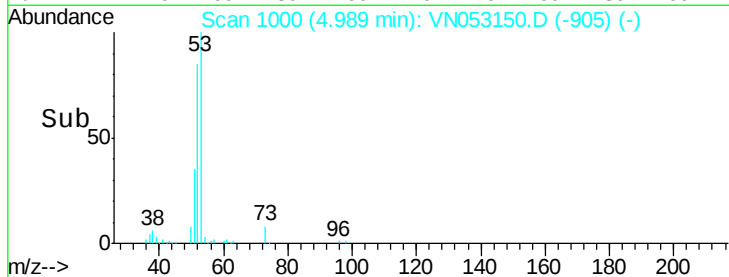
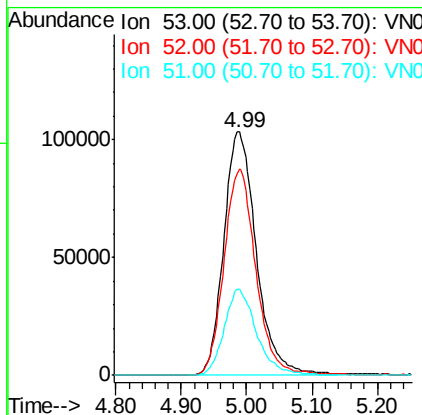
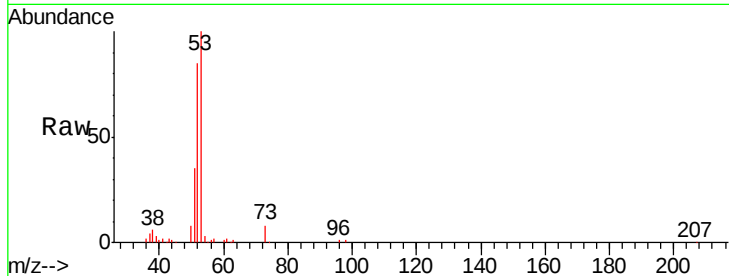
ClientSampleId :

VN1222MBS02

Tgt Ion:	53	Resp:	358064
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	35.3	28.1	42.1

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#16

Acetone

Concen: 113.982 ug/l

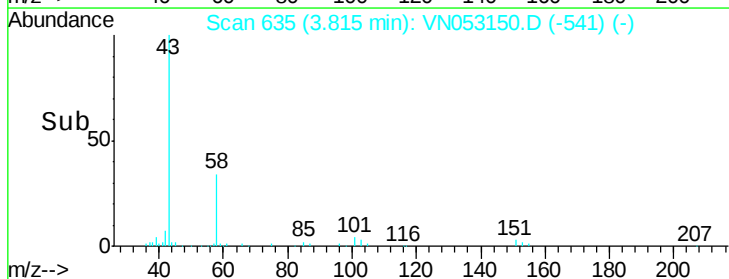
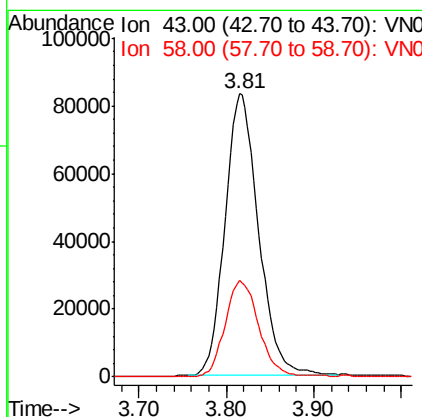
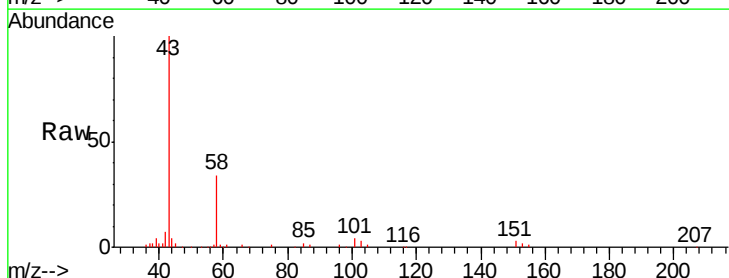
RT: 3.81 min Scan# 635

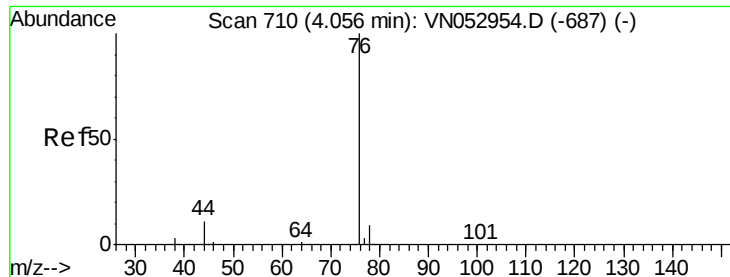
Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Tgt Ion:	43	Resp:	219752
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.0





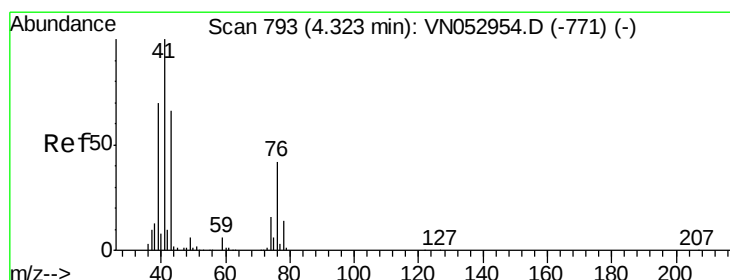
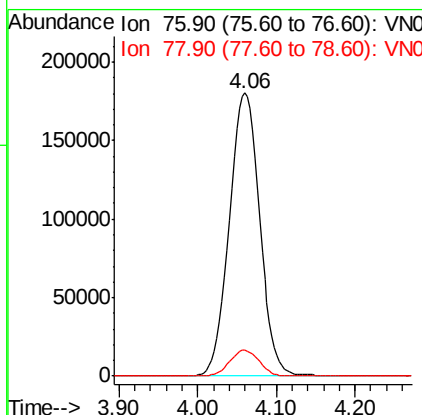
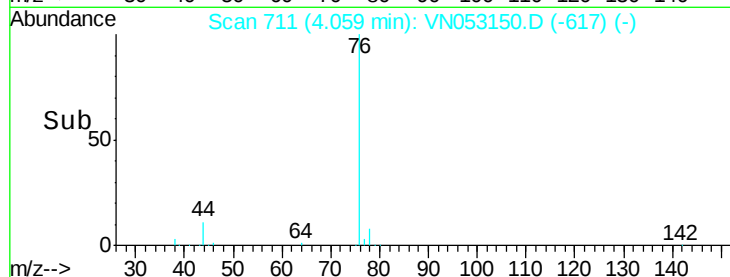
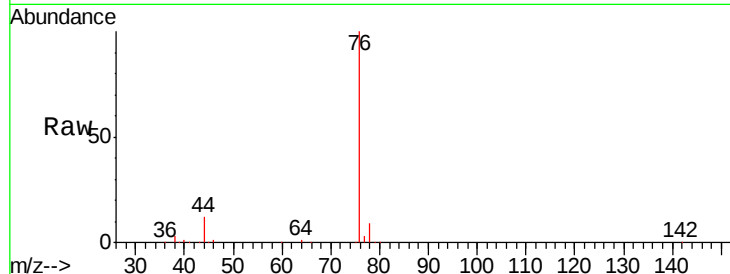
#17
Carbon Disulfide
Concen: 16.132 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 76 Resp: 485886
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

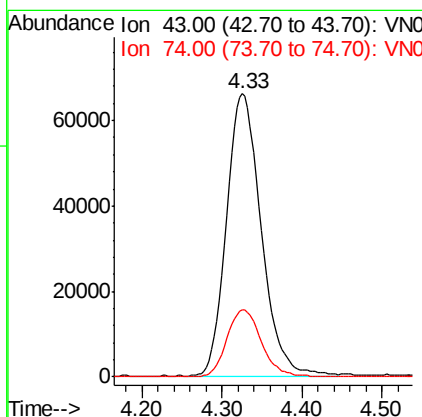
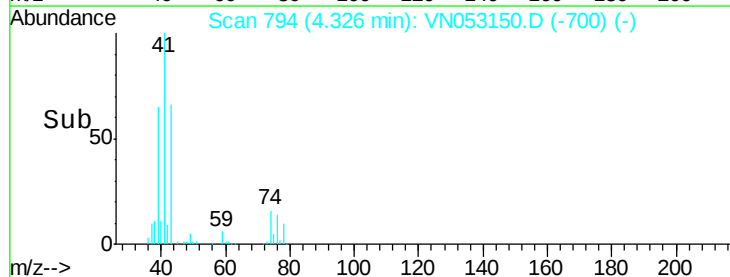
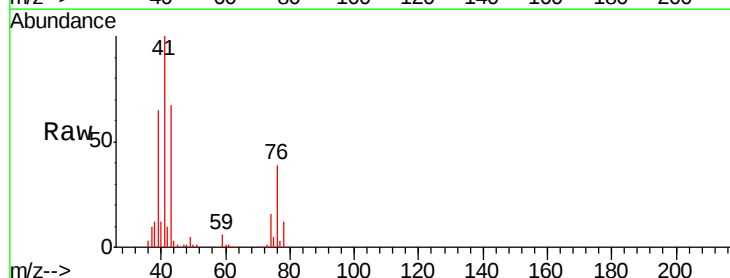
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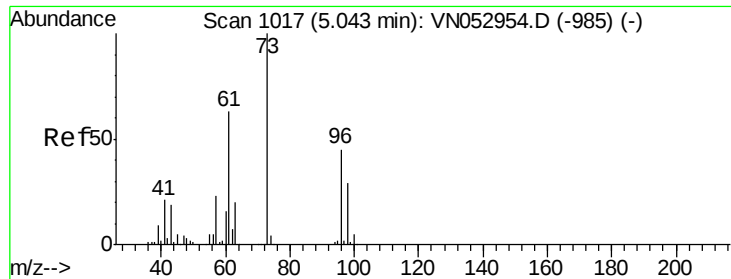
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#18
Methyl Acetate
Concen: 23.092 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 43 Resp: 197300
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8





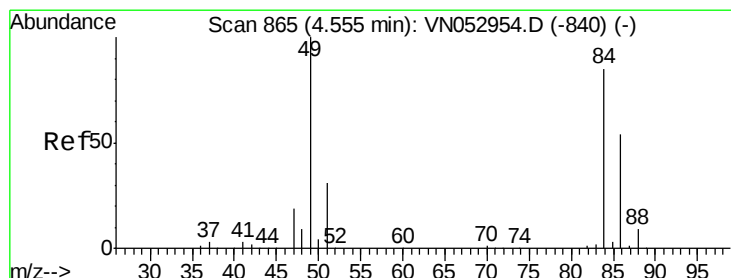
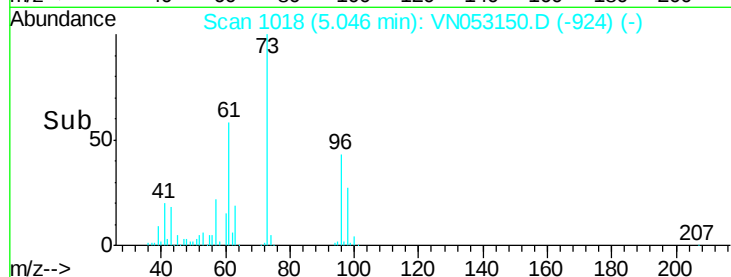
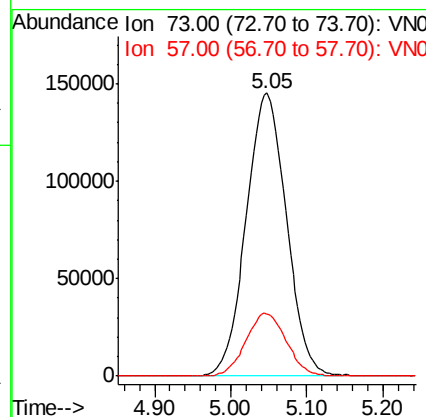
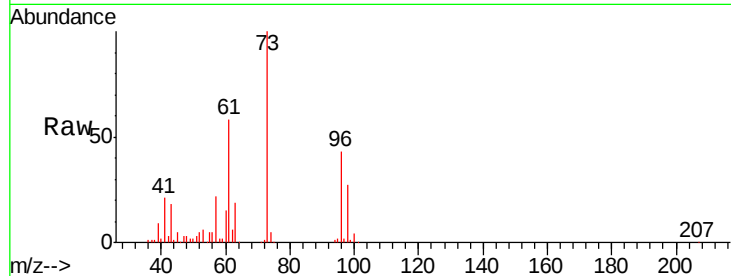
#19
Methyl tert-butyl Ether
Concen: 21.648 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 73 Resp: 535021
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

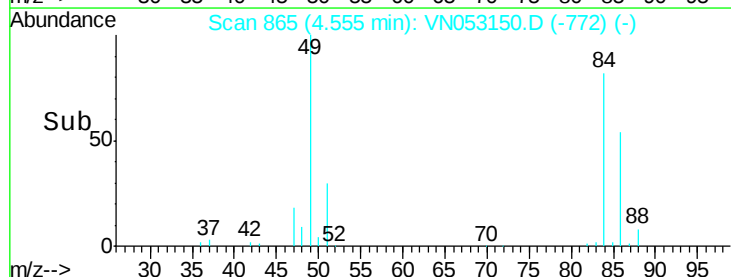
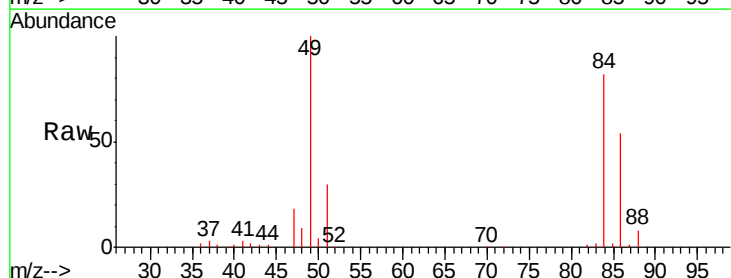
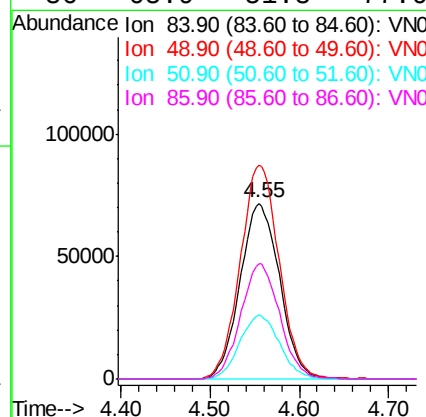
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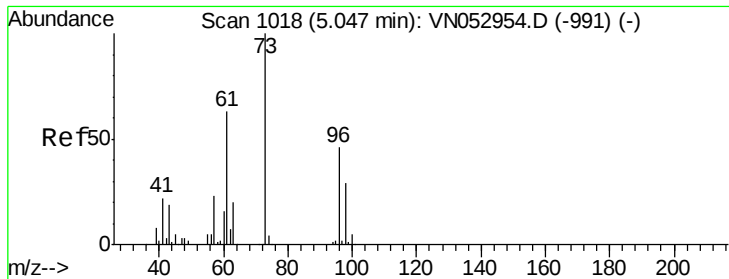
MMDadoda
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#20
Methylene Chloride
Concen: 21.010 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 84 Resp: 220961
Ion Ratio Lower Upper
84 100
49 121.4 96.8 145.2
51 36.6 29.9 44.9
86 65.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.506 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 96 Resp: 193552

Ion Ratio Lower Upper

96 100

61 135.4 110.8 166.2

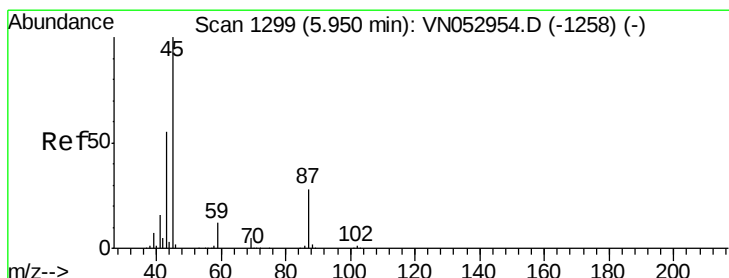
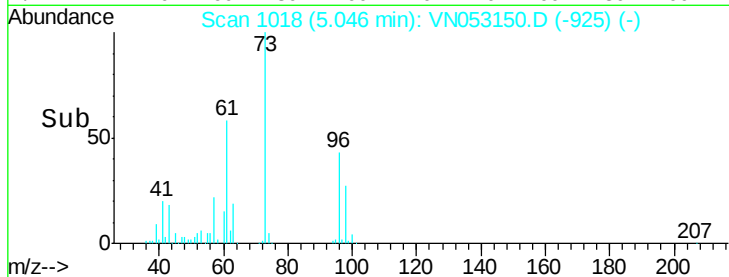
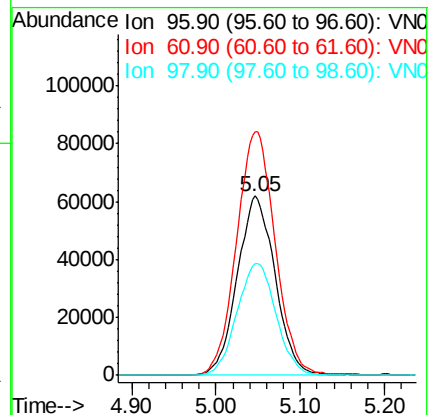
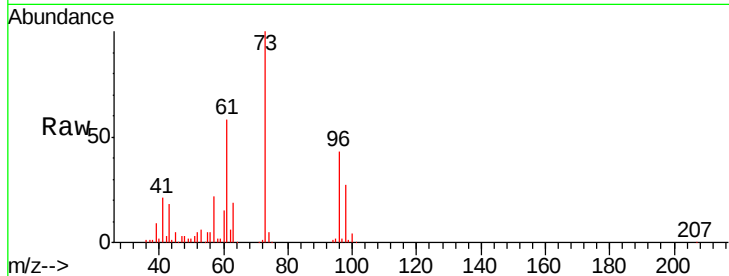
98 62.4 51.4 77.2

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#22

Diisopropyl ether

Concen: 21.921 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Tgt Ion: 45 Resp: 669367

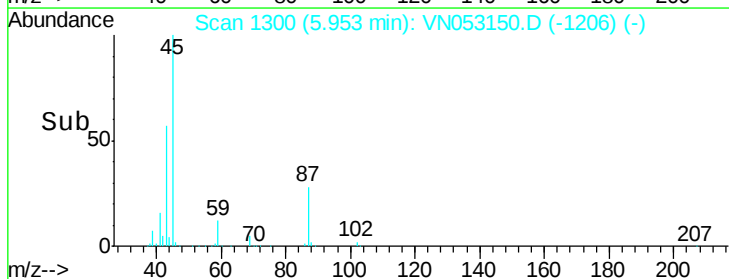
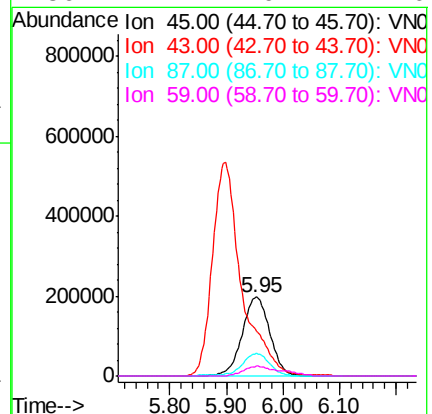
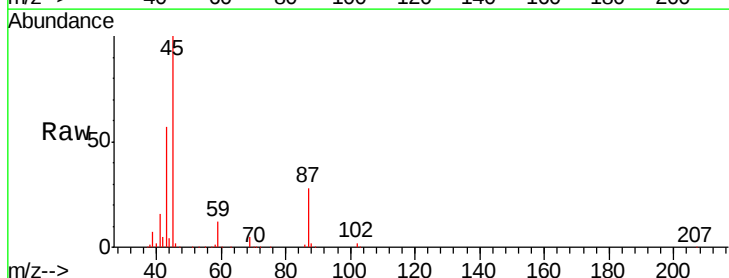
Ion Ratio Lower Upper

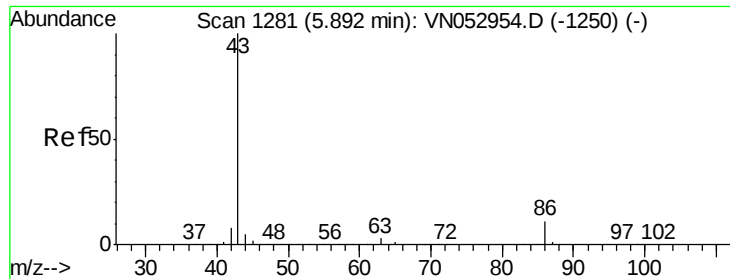
45 100

43 56.8 45.5 68.3

87 28.4 22.0 33.0

59 12.4 9.4 14.0





#23

Vinyl Acetate

Concen: 108.927 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 43 Resp: 1912596

Ion Ratio Lower Upper

43 100

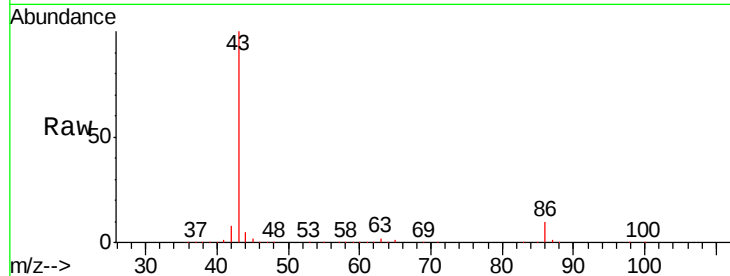
86 10.3 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

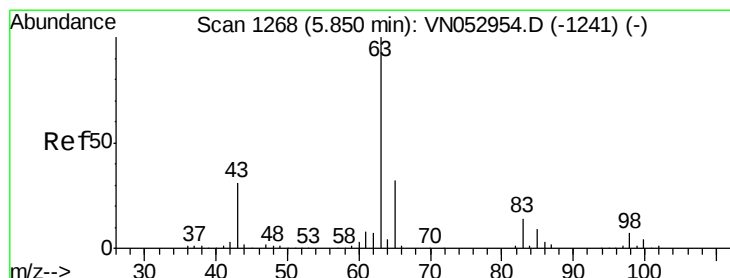
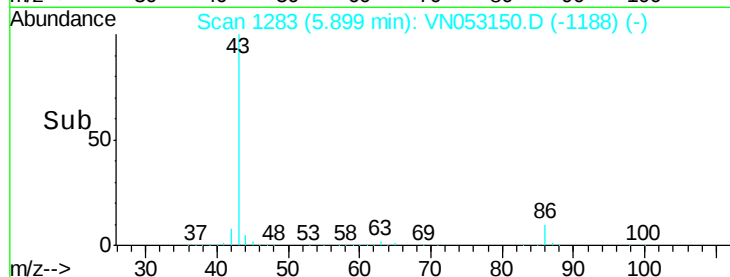
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.907 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

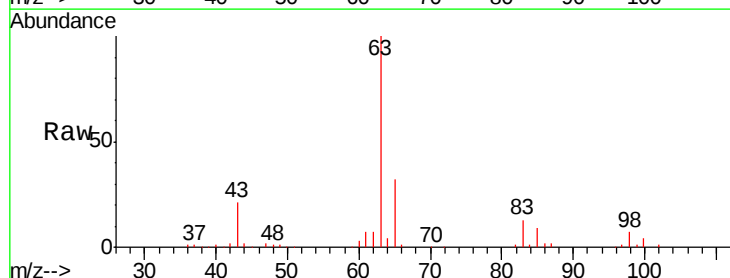
Tgt Ion: 63 Resp: 379351

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

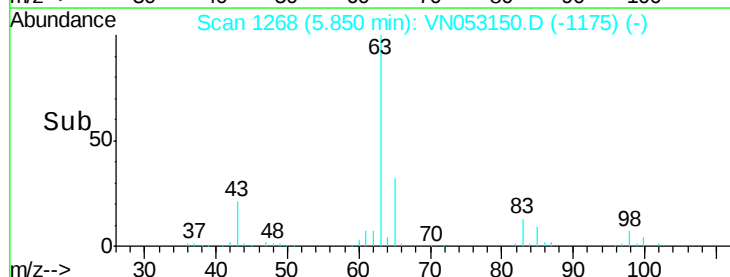
150000

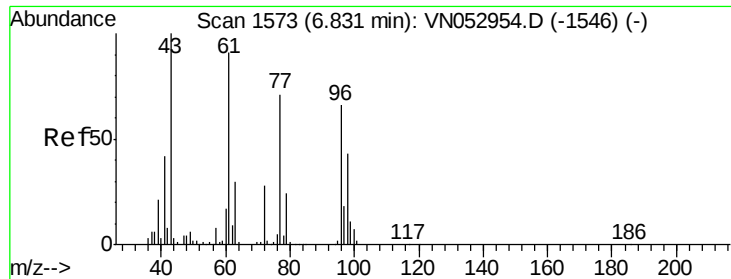
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 115.651 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 43 Resp: 374197

Ion Ratio Lower Upper

43 100

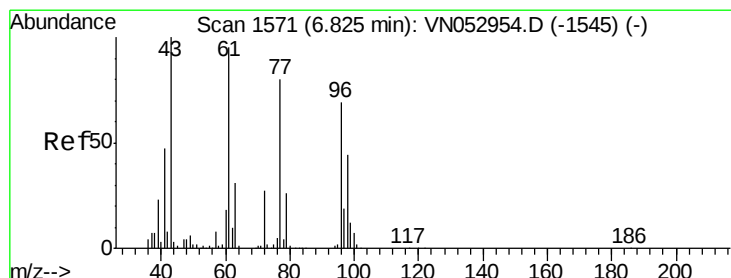
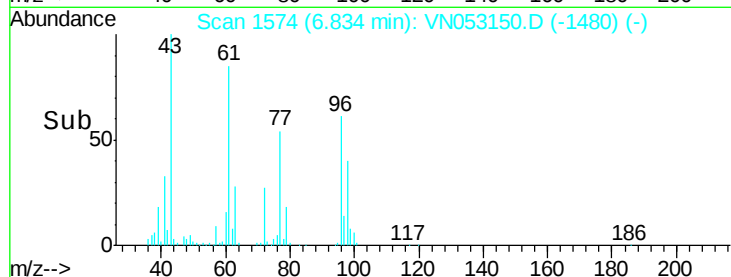
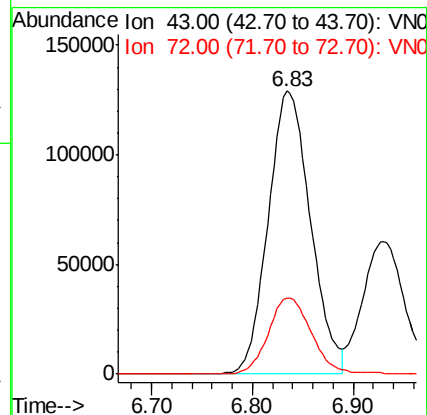
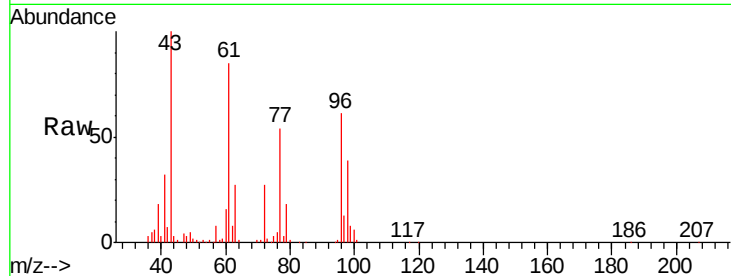
72 27.0 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.553 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053150.D

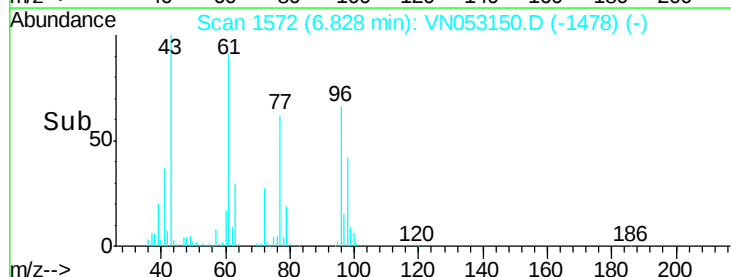
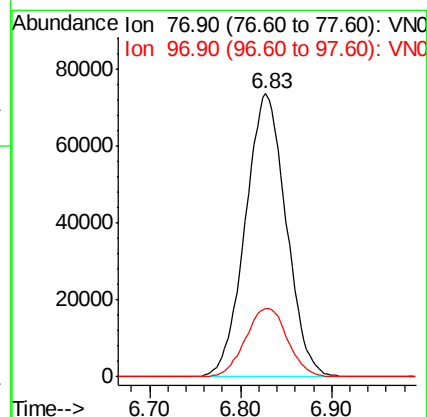
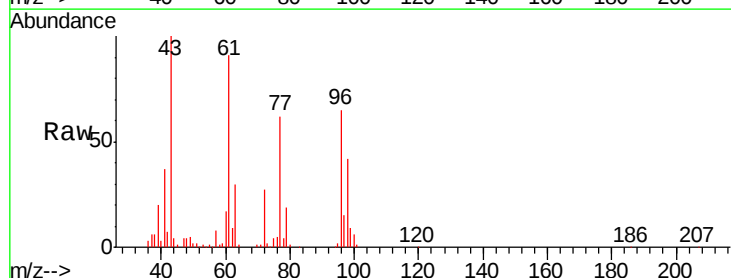
Acq: 22 Dec 2018 23:52

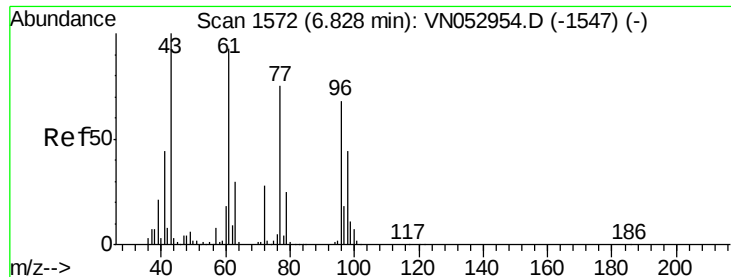
Tgt Ion: 77 Resp: 229277

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.9





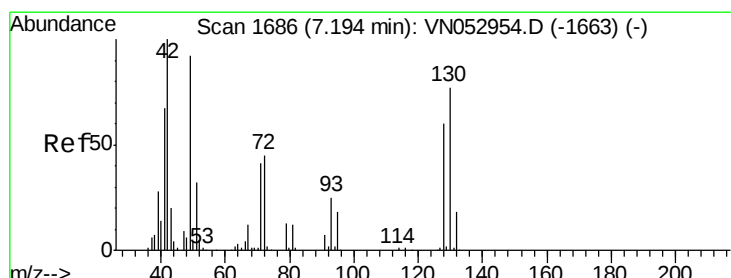
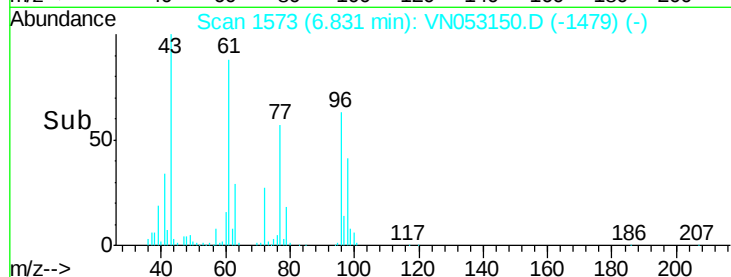
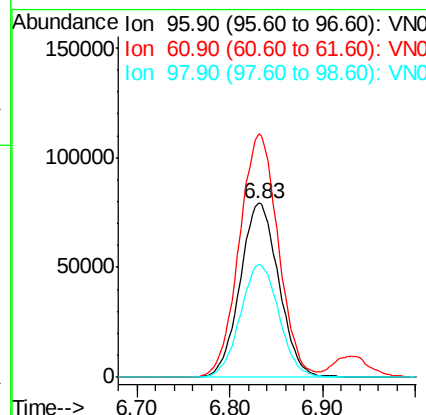
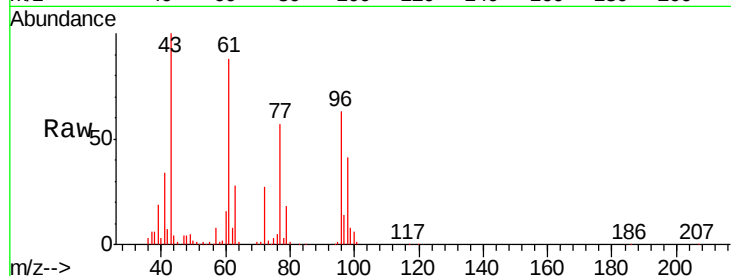
#27
 cis-1,2-Dichloroethene
 Concen: 20.425 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	229449		
61	140.9	0.0	284.2	
98	65.0	0.0	129.2	

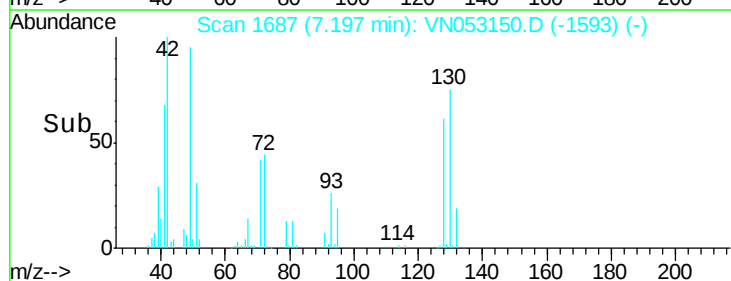
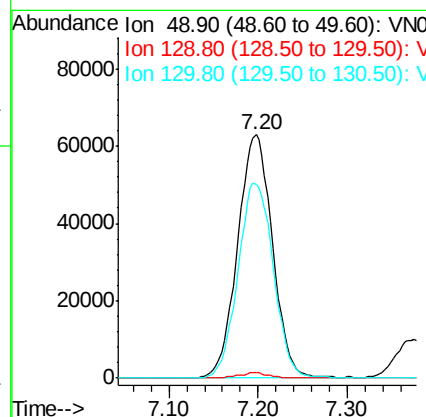
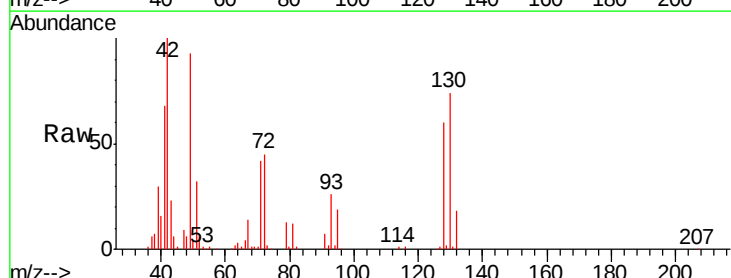
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#28
 Bromochloromethane
 Concen: 21.705 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170653		
129	1.8	0.0	4.0	
130	81.5	63.3	94.9	





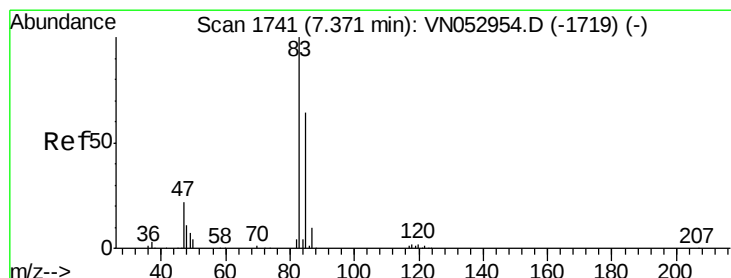
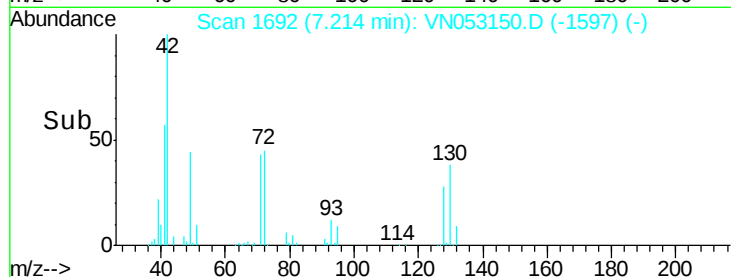
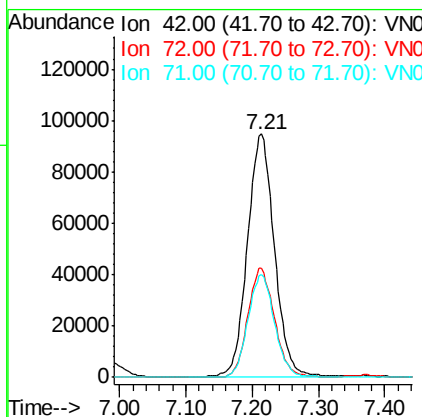
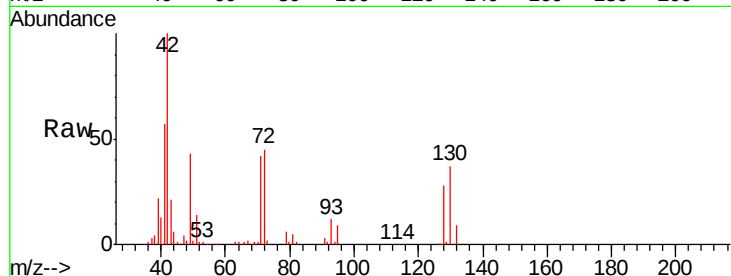
#29
Tetrahydrofuran
Concen: 110.894 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.7	52.1
71	41.8	32.3	48.5

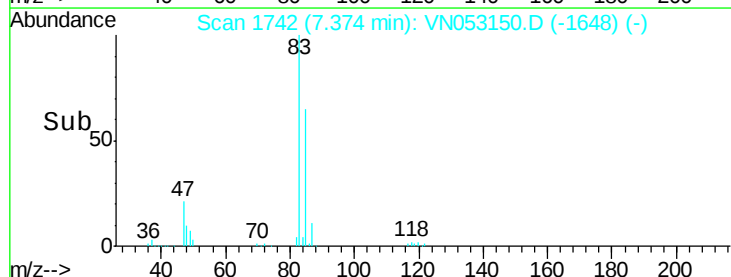
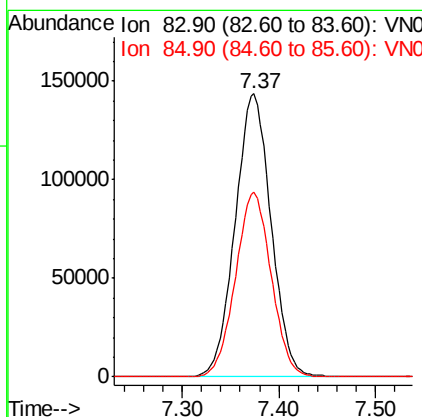
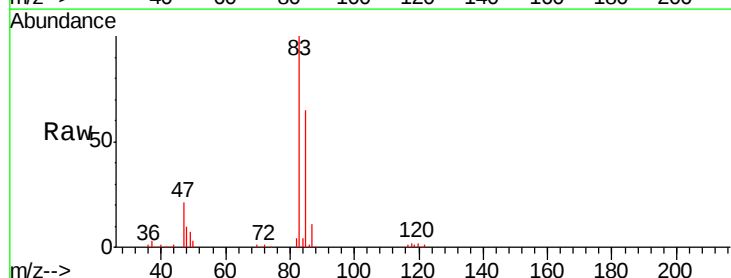
Manual Integrations
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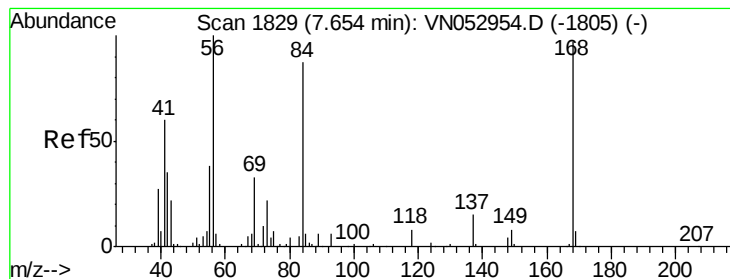
MMDadoda
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#30
Chloroform
Concen: 20.815 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.1	78.1





#31

Cyclohexane

Concen: 19.659 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 56 Resp: 345396
Ion Ratio Lower Upper

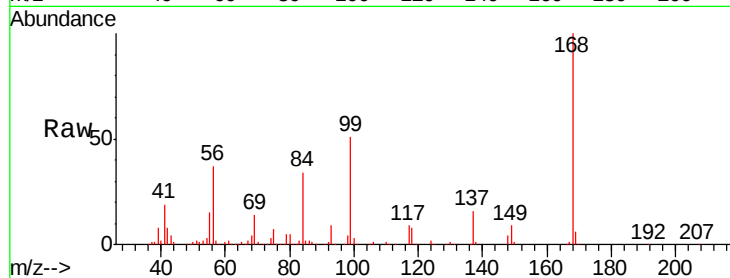
56 100

69 37.1 26.6 39.8

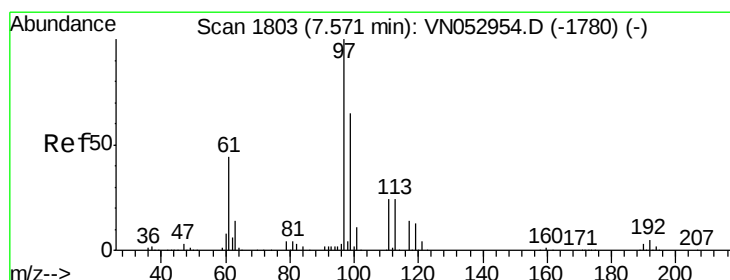
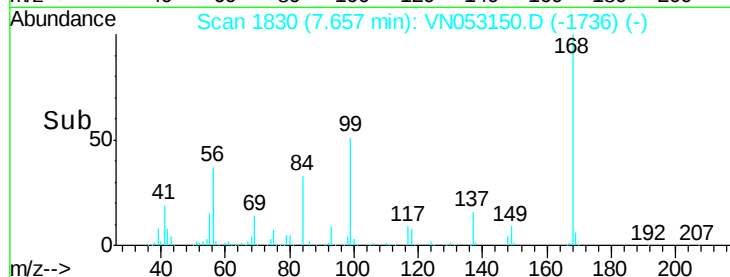
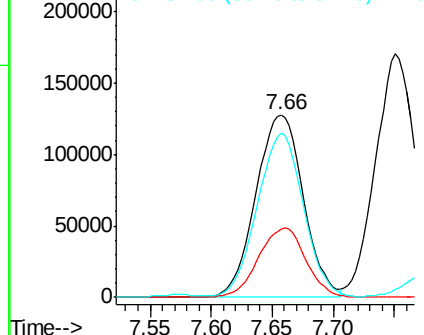
84 89.0 68.4 102.6

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.060 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053150.D

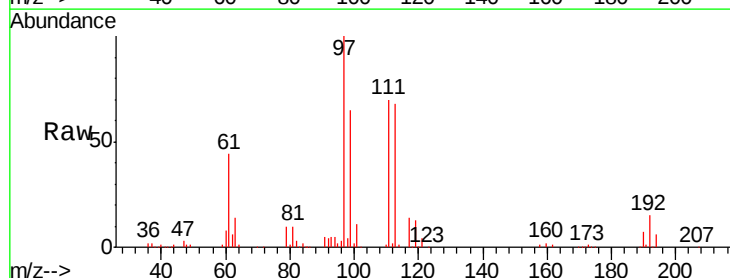
Acq: 22 Dec 2018 23:52

Tgt Ion: 97 Resp: 304591
Ion Ratio Lower Upper

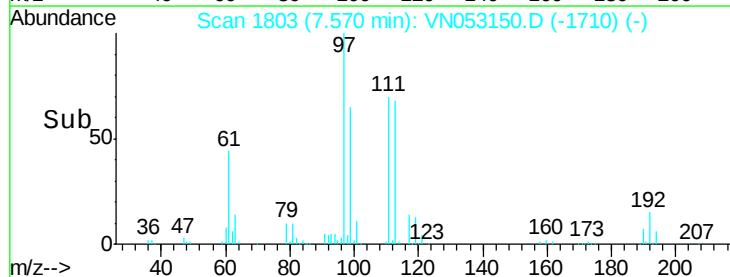
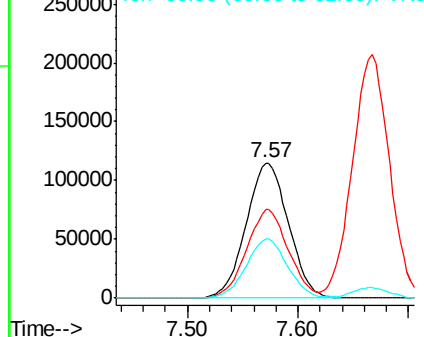
97 100

99 65.0 51.1 76.7

61 42.8 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





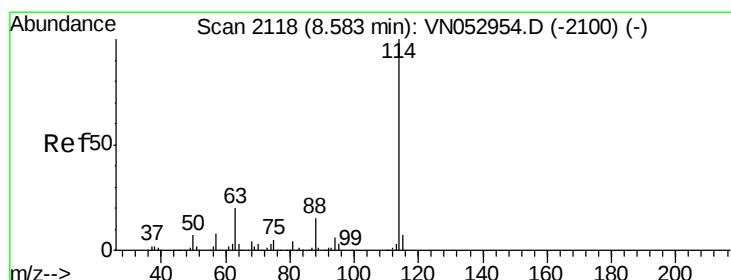
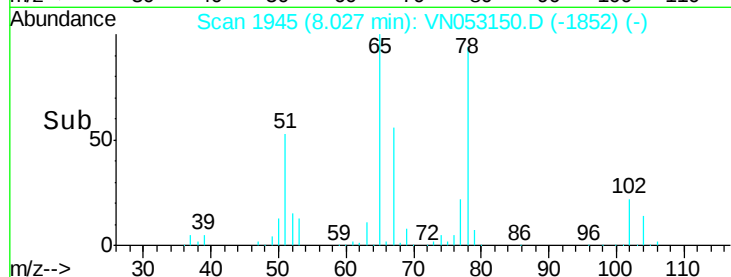
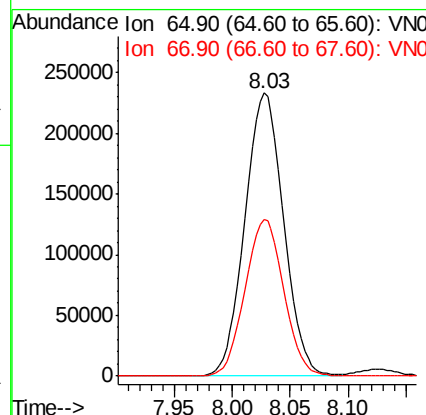
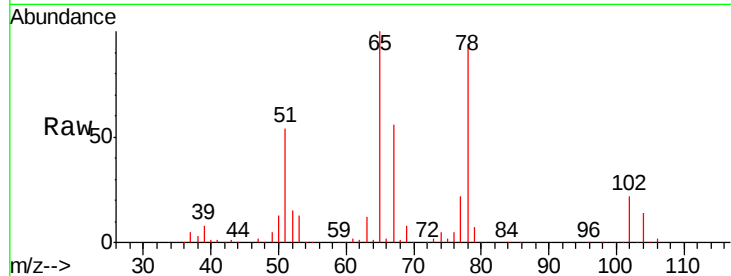
#33
 1,2-Dichloroethane-d4
 Concen: 20.060 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	544468		
67	55.3	0.0	110.4	

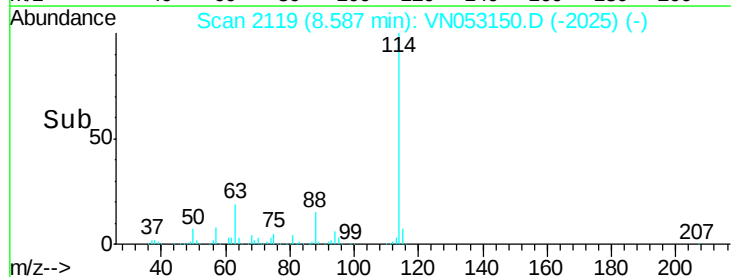
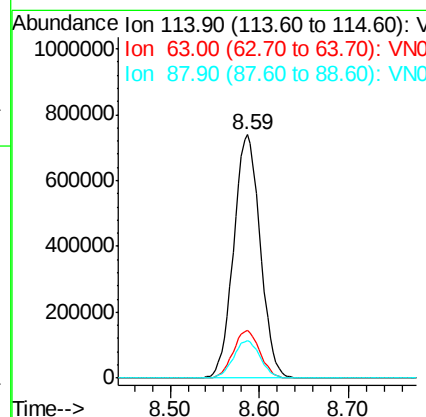
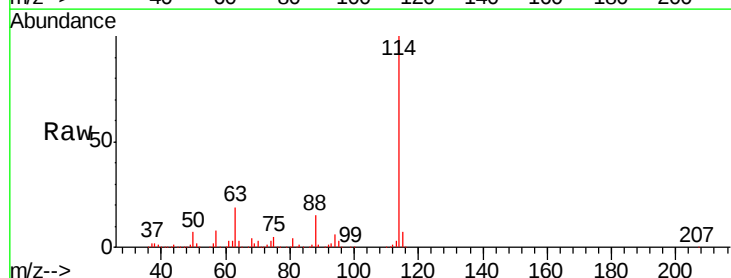
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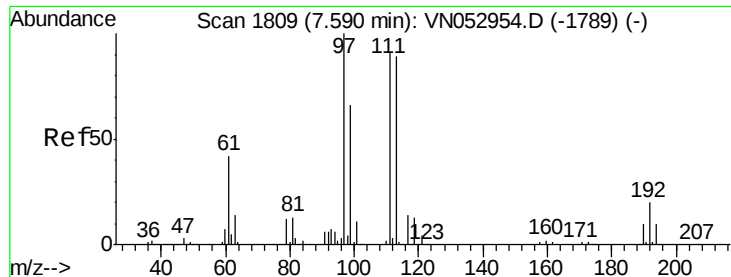
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1523166		
63	19.4	0.0	39.8	
88	15.4	0.0	31.0	





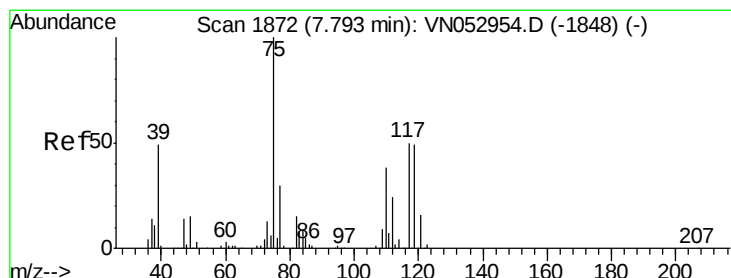
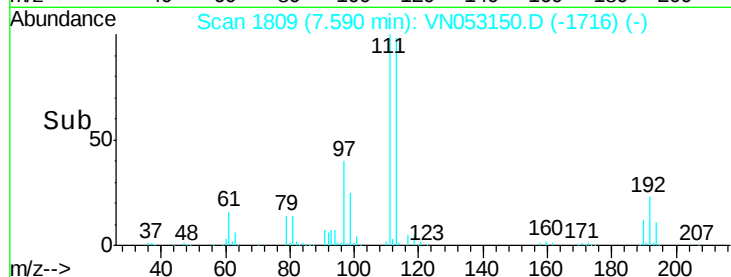
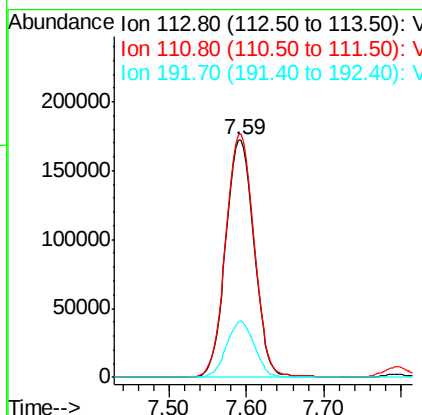
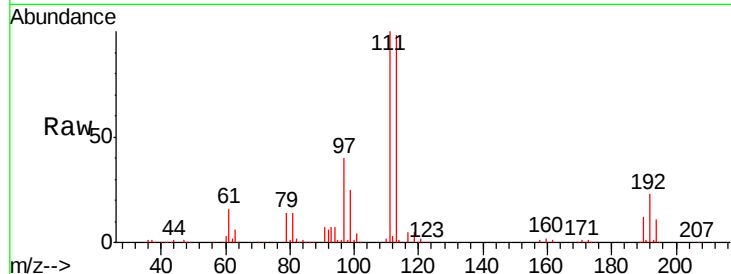
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	440283		
111	102.6	83.0	124.4	
192	23.0	17.5	26.3	

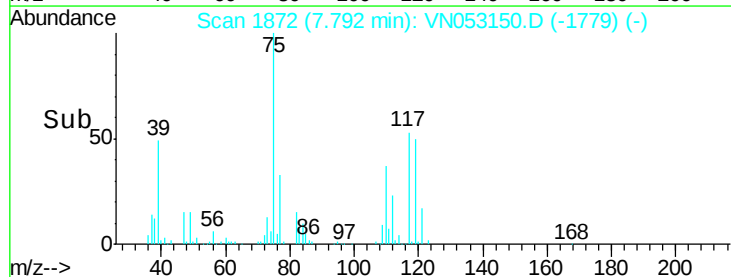
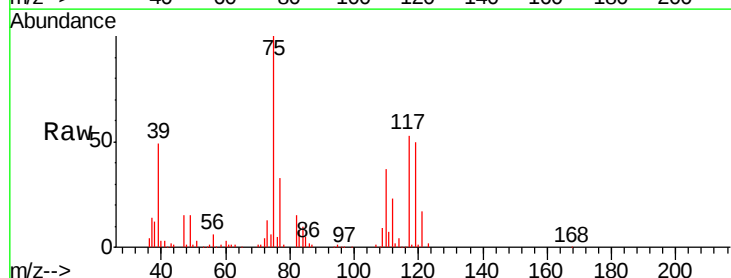
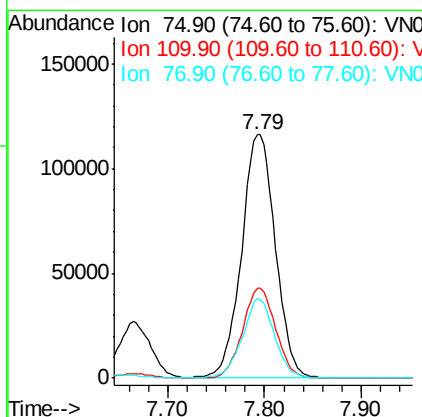
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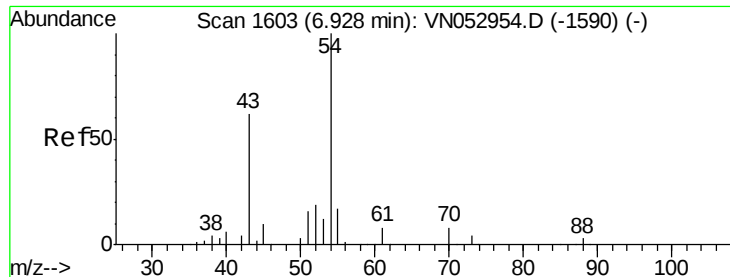
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#36
 1,1-Dichloropropene
 Concen: 19.194 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	280611		
110	36.4	18.2	54.6	
77	31.3	24.9	37.3	





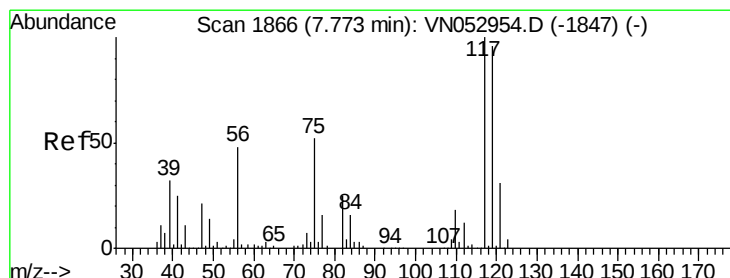
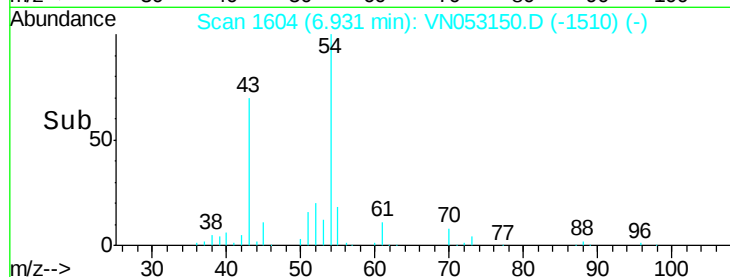
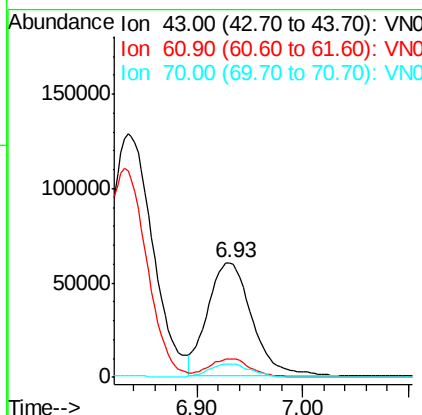
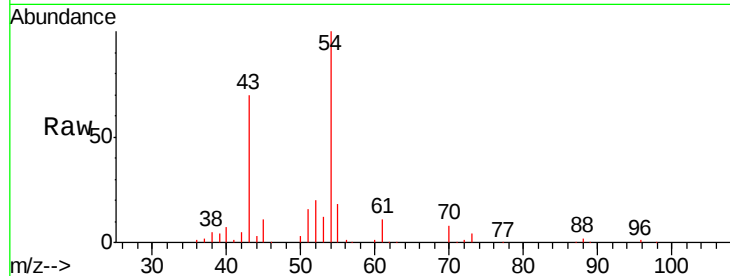
#37
Ethyl Acetate
Concen: 21.544 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	11.6	8.4	12.6

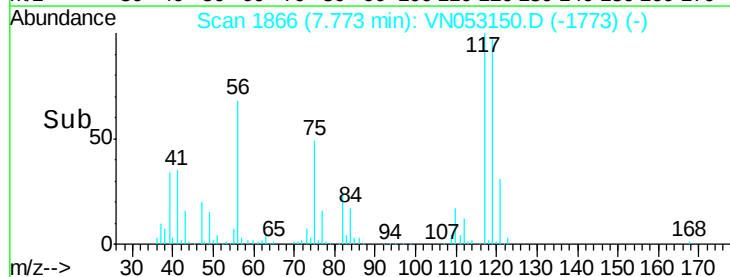
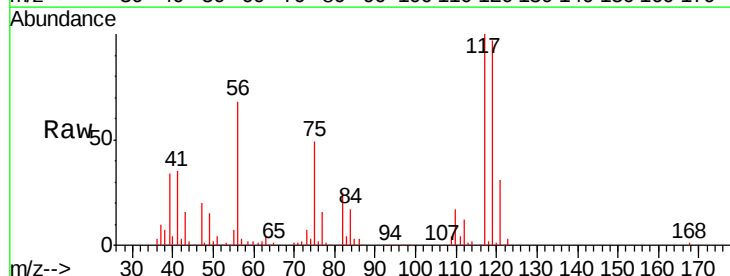
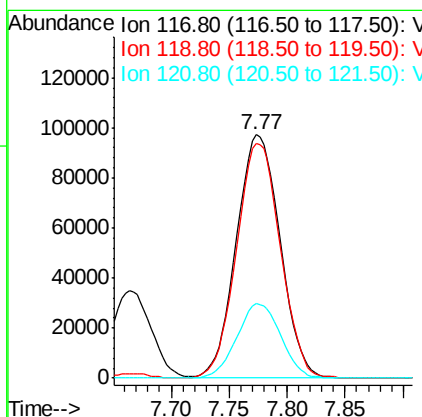
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.952 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.1	115.7
121	30.8	24.9	37.3





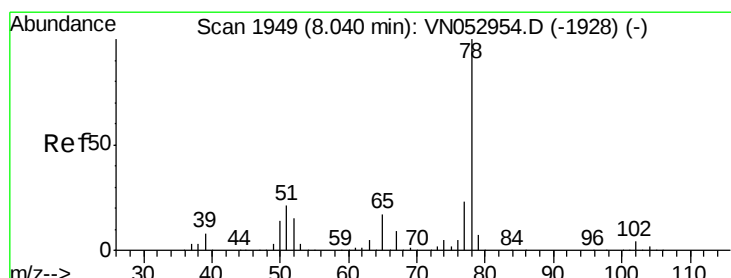
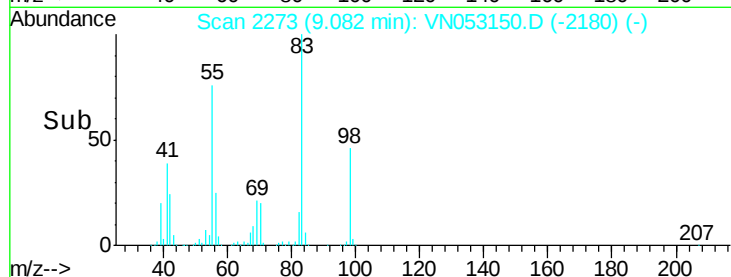
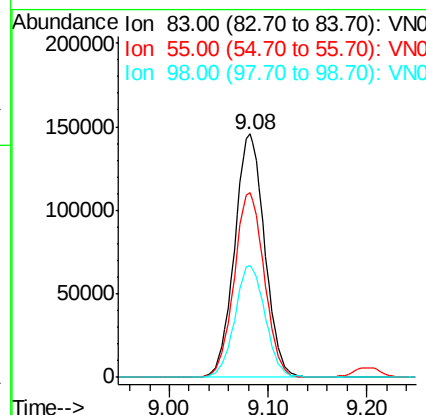
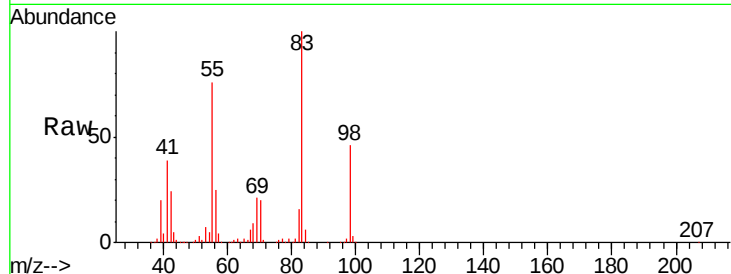
#39
Methylcyclohexane
Concen: 17.373 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	75.6	61.3	91.9
98	45.9	37.0	55.4

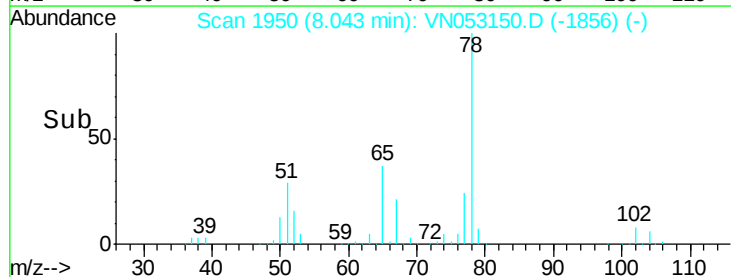
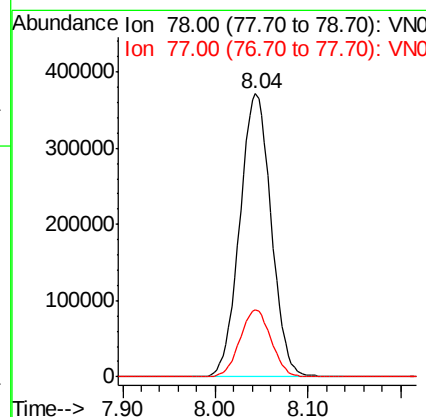
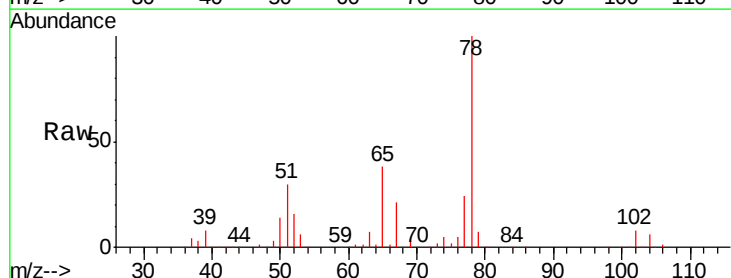
Manual Integrations
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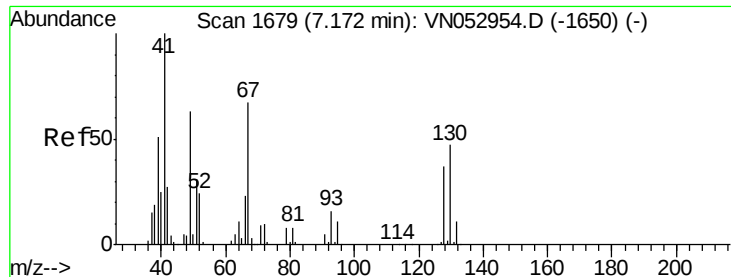
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#40
Benzene
Concen: 20.075 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.9	18.5	27.7





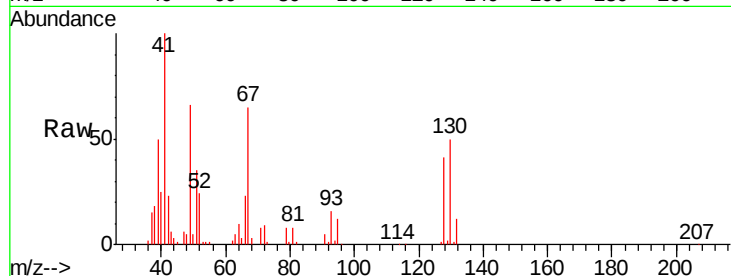
#41
Methacrylonitrile
Concen: 23.680 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.6	48.0	72.0
67	75.4	70.3	105.5
52	29.4	26.9	40.3

Manual Integrations
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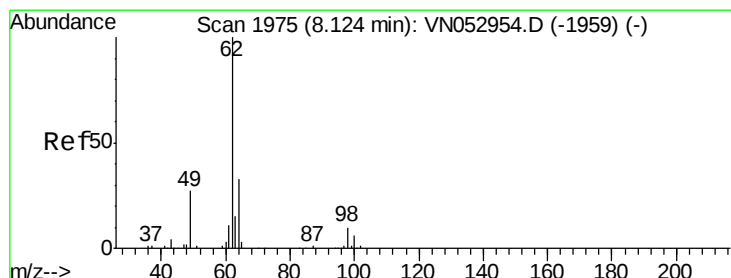
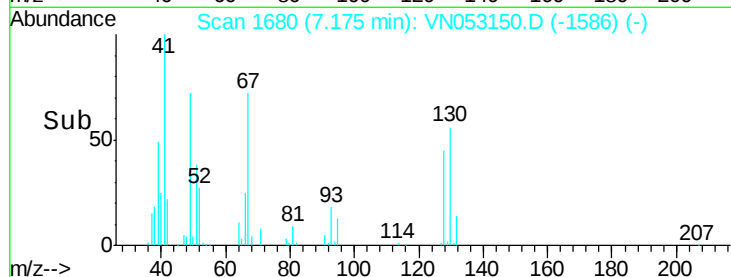
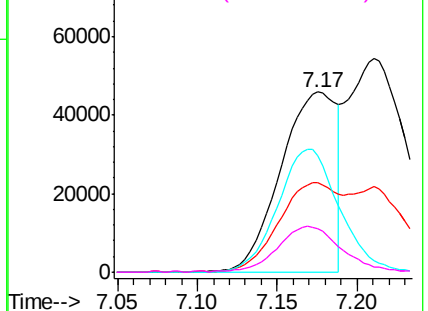
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

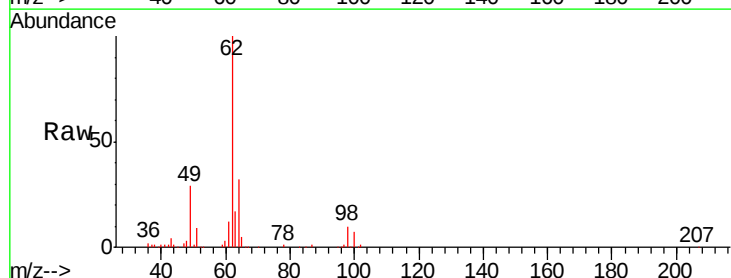
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 19.938 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

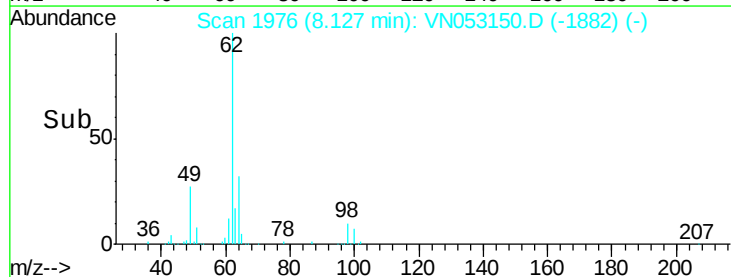
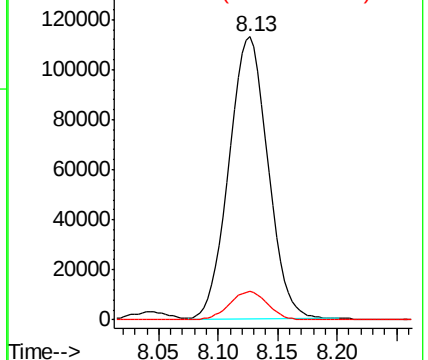
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0

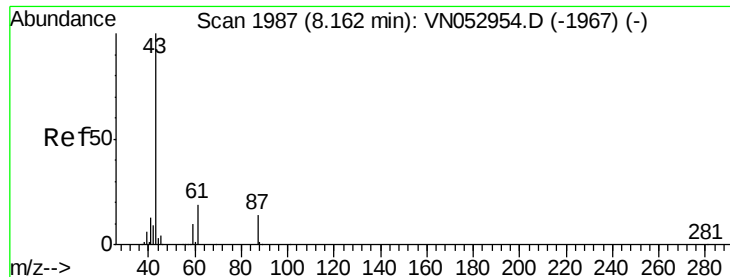


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





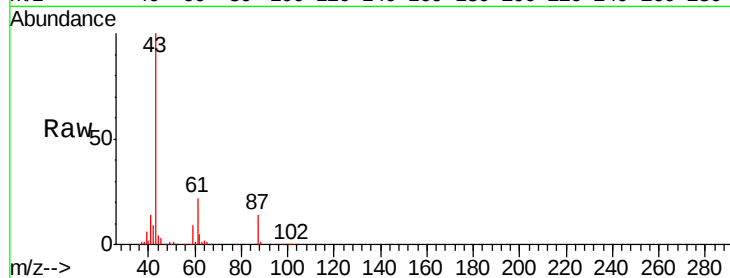
#43
Isopropyl Acetate
Concen: 20.287 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

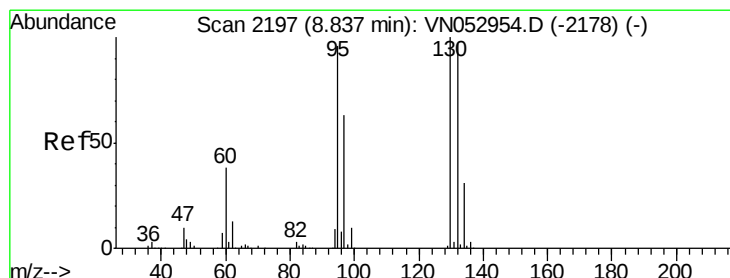
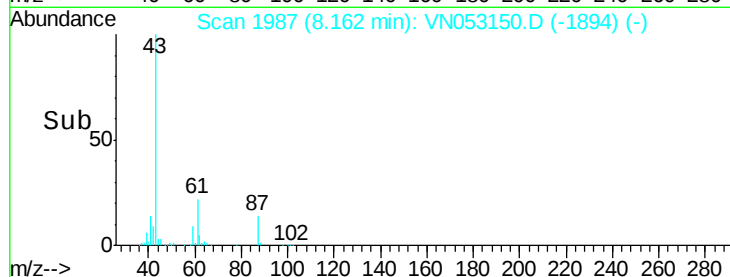
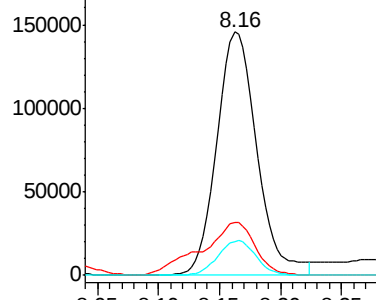
Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.9	34.3
87	13.6	10.6	15.8

Manual Integrations
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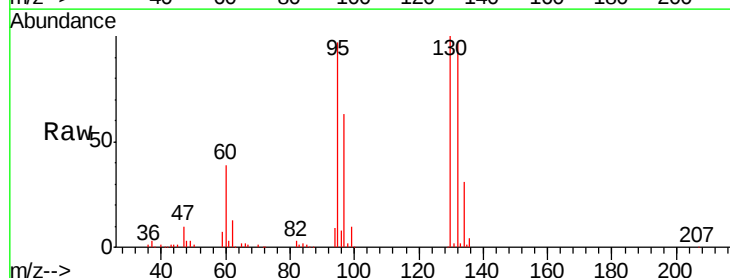


Abundance Ion 43.00 (42.70 to 43.70): VN053150.D (-1894) (-)
Ion 61.00 (60.70 to 61.70): VN053150.D (-1894) (-)
Ion 87.00 (86.70 to 87.70): VN053150.D (-1894) (-)

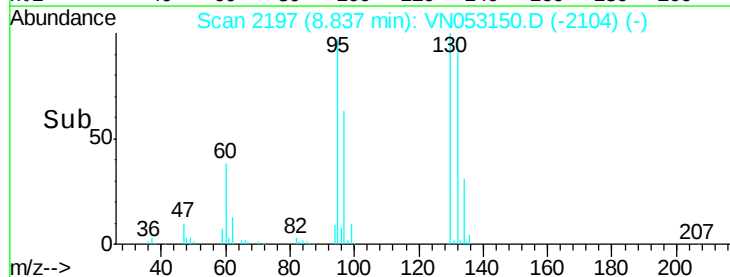
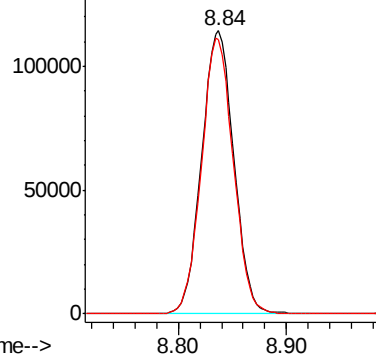


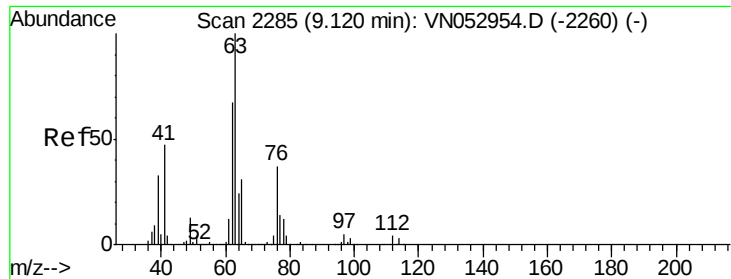
#44
Trichloroethene
Concen: 18.888 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053150.D (-2104) (-)
Ion 94.90 (94.60 to 95.60): VN053150.D (-2104) (-)





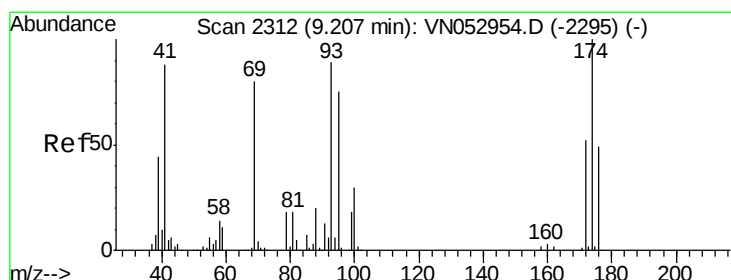
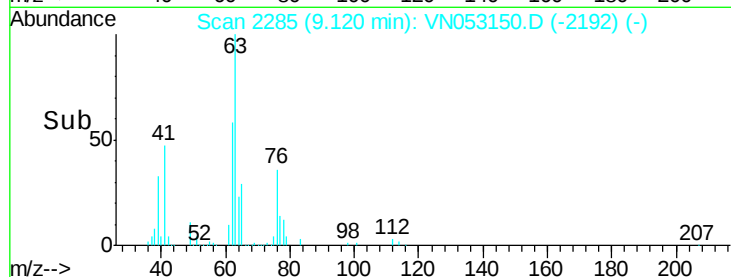
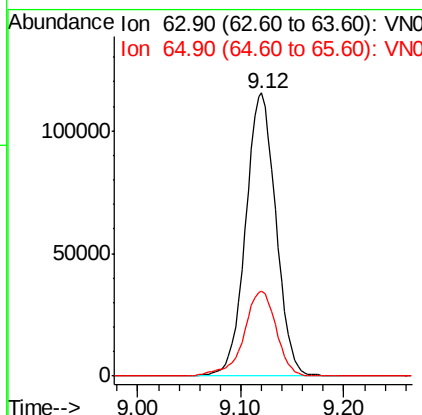
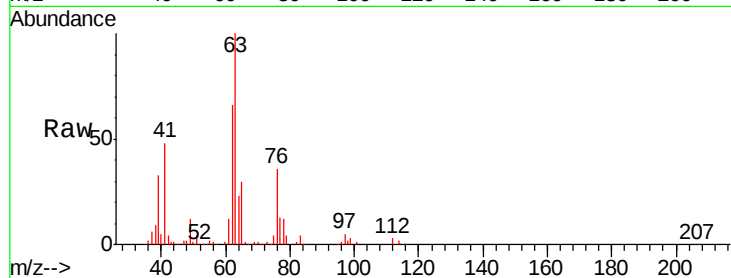
#45
 1,2-Dichloropropane
 Concen: 20.731 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion: 63 Resp: 234813
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

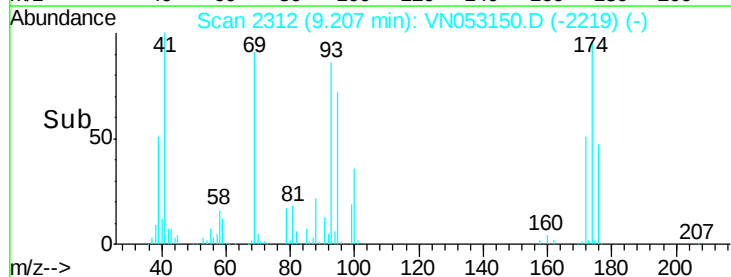
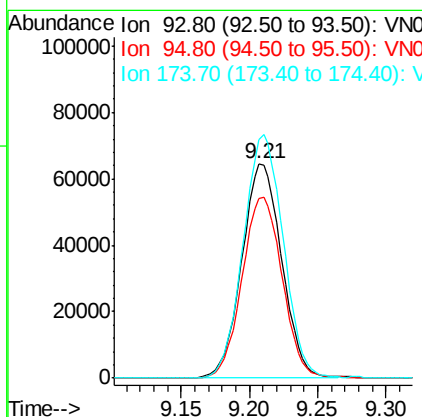
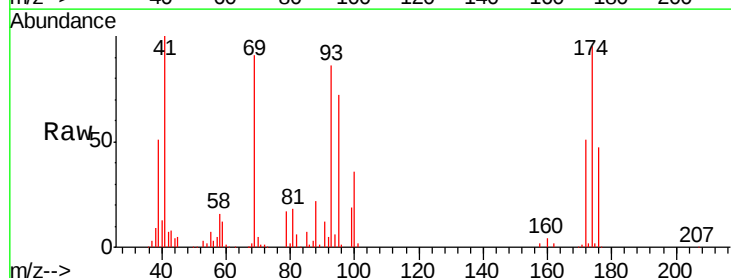
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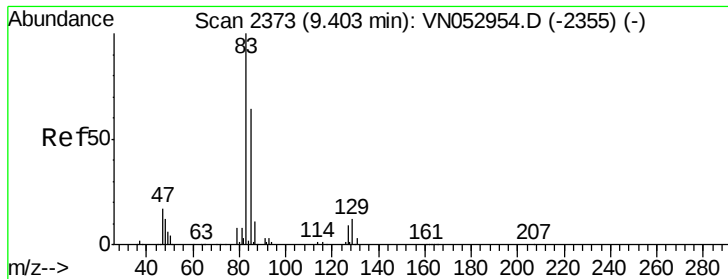
MMDadoda
 12/24/2018 9:11:01 AM



#46
 Dibromomethane
 Concen: 19.890 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion: 93 Resp: 131240
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.8 101.6
 174 113.9 89.0 133.4





#47

Bromodichloromethane

Concen: 19.580 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

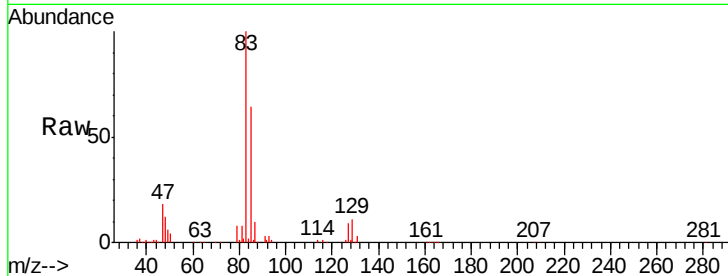
ClientSampleId :

VN1222MBS02

Tgt Ion:	83	Resp:	274629
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.6	77.4
127	9.1	7.1	10.7

Manual Integrations
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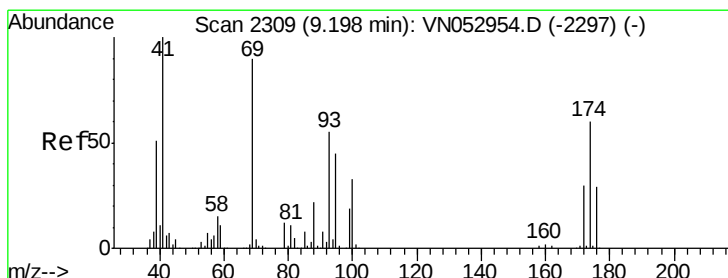
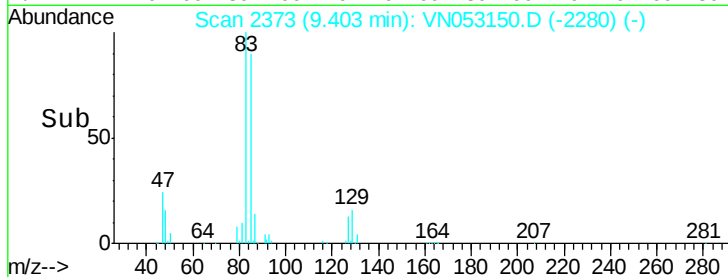
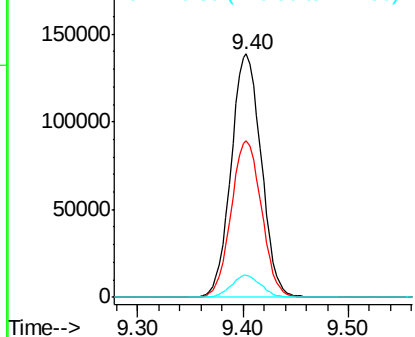
MMDadoda
12/24/2018 9:11:01 AM



Abundance Ion 82.90 (82.60 to 83.60): VN053150.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053150.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053150.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.473 ug/l

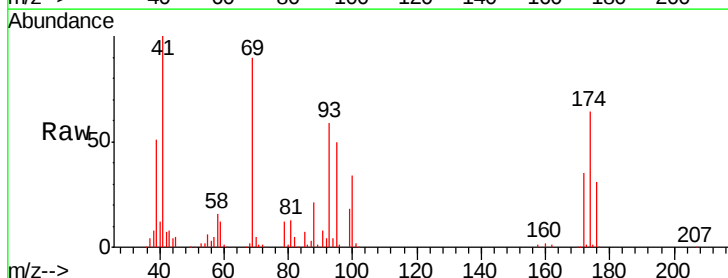
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

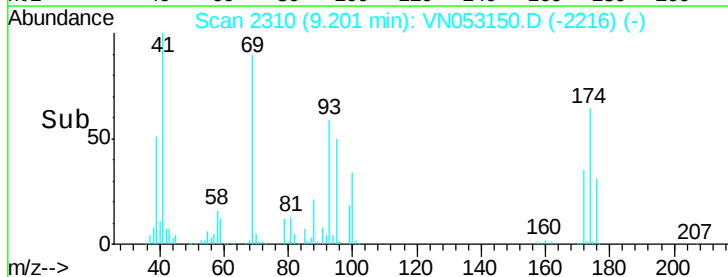
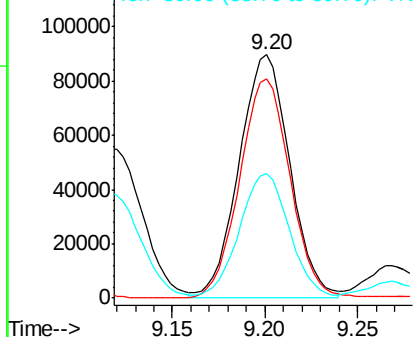
Tgt Ion:	41	Resp:	170057
Ion Ratio	Lower	Upper	
41	100		
69	90.1	72.2	108.2
39	50.6	41.9	62.9

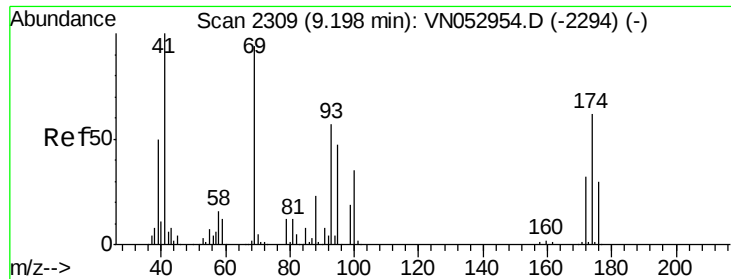


Abundance Ion 41.00 (40.70 to 41.70): VN053150.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053150.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053150.D (-2216) (-)





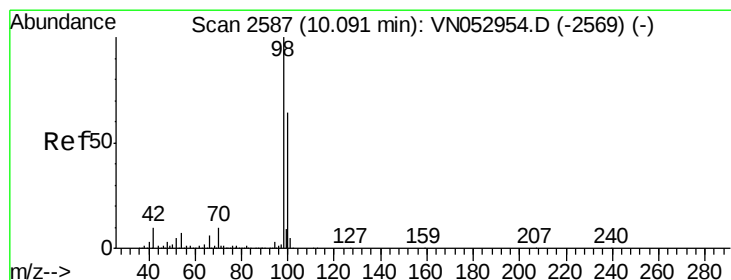
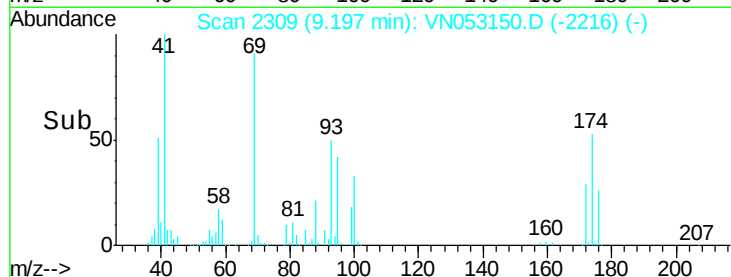
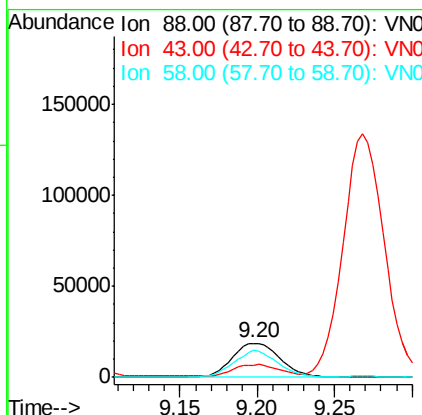
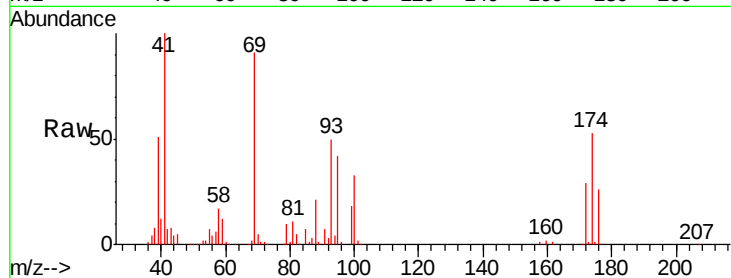
#49
1,4-Dioxane
Concen: 406.289 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.6	40.0
58	72.0	58.4	87.6

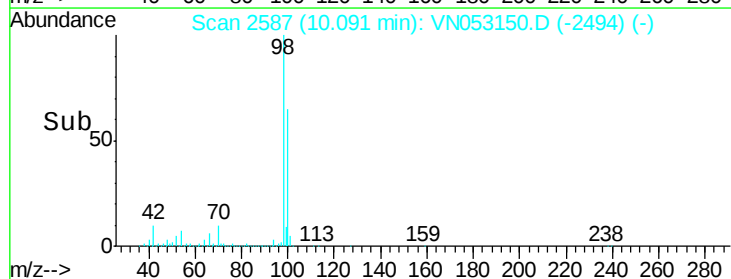
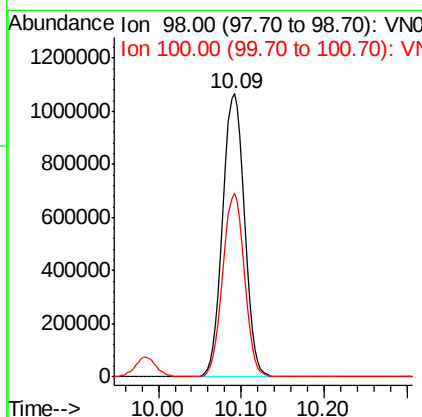
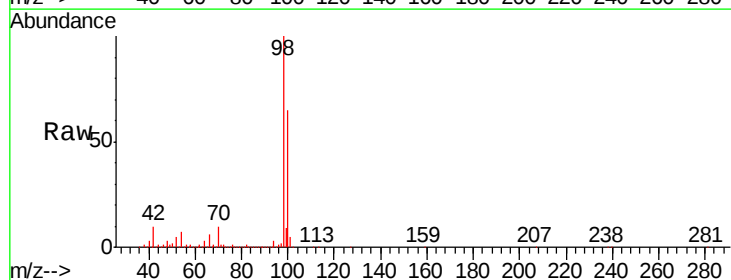
Manual Integrations
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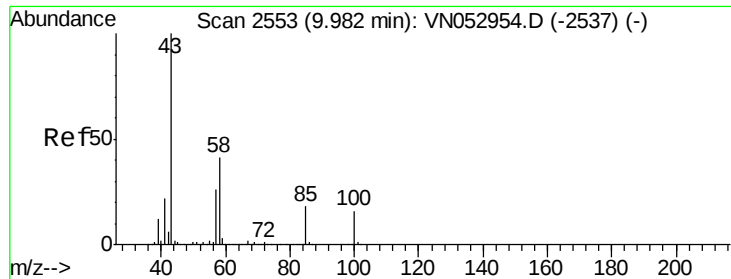
MMDadoda
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#50
Toluene-d8
Concen: 406.289 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





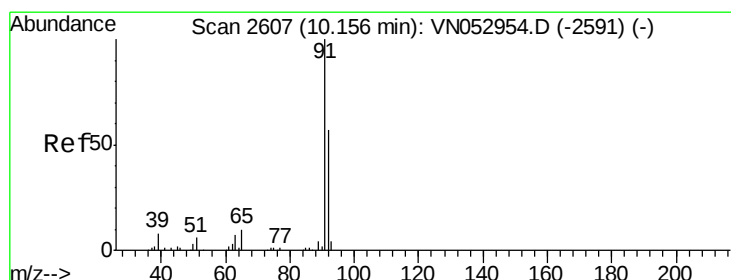
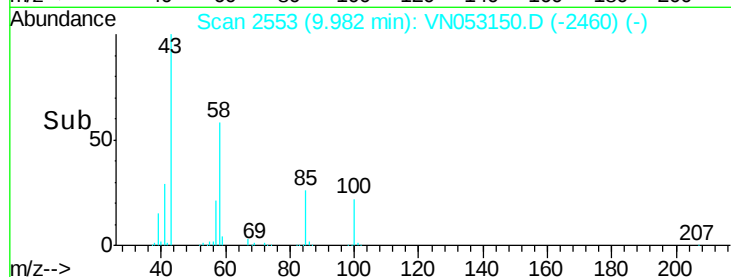
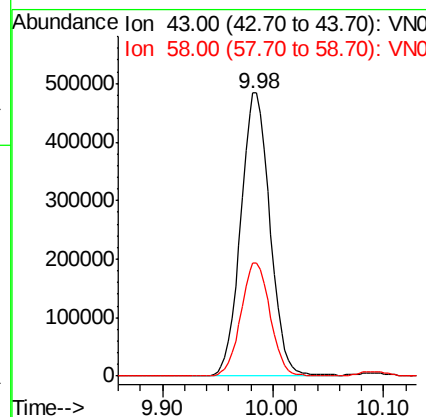
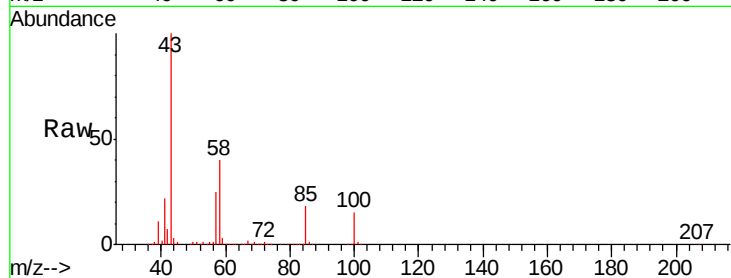
#51
4-Methyl-2-Pentanone
Concen: 111.949 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 43 Resp: 884819
Ion Ratio Lower Upper
43 100
58 40.2 32.2 48.4

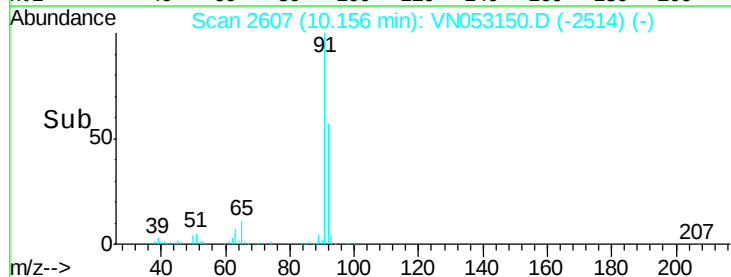
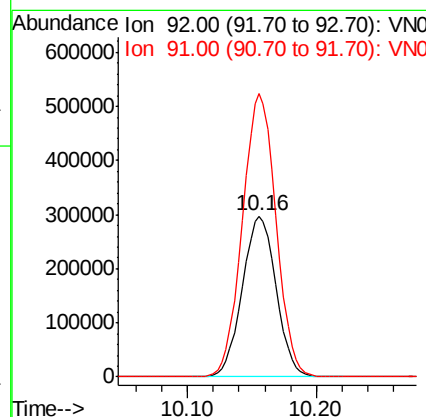
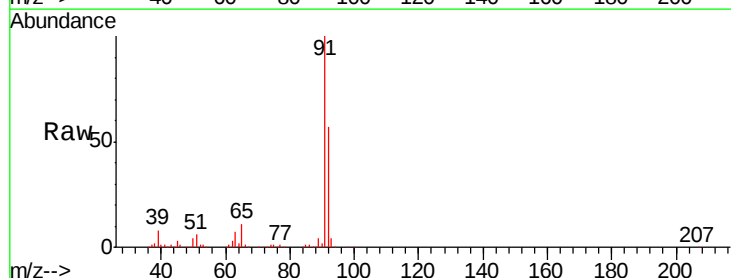
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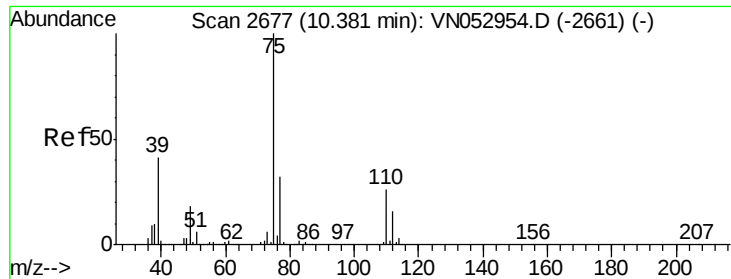
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#52
Toluene
Concen: 20.095 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 92 Resp: 541652
Ion Ratio Lower Upper
92 100
91 175.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.436 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 75 Resp: 271918

Ion Ratio Lower Upper

75 100

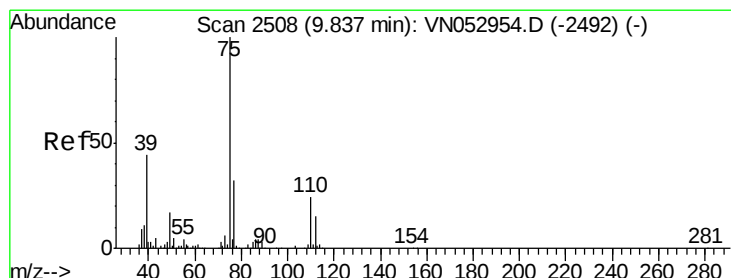
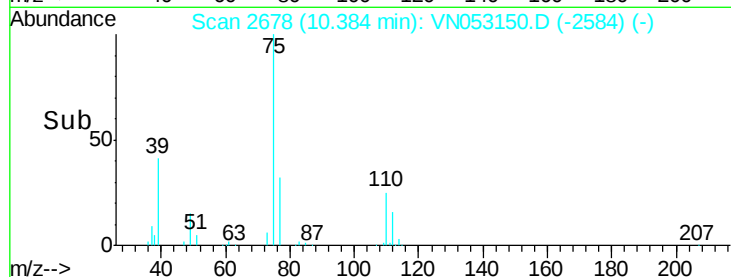
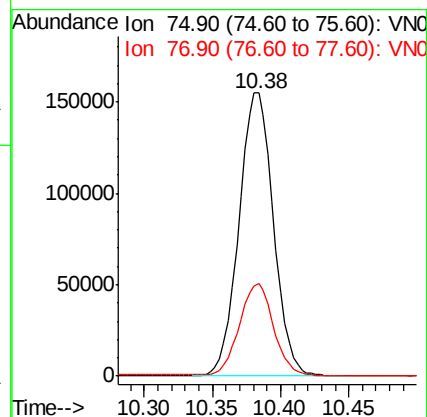
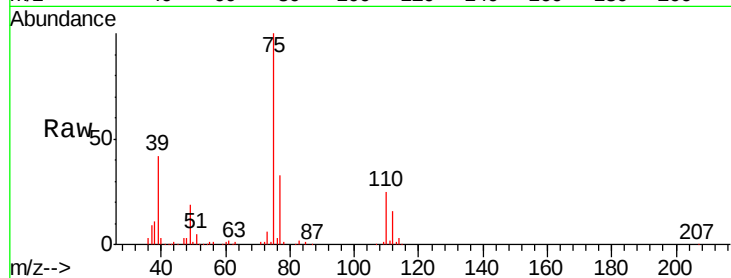
77 32.4 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.968 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

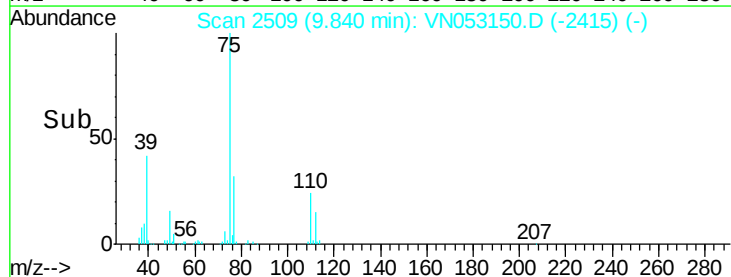
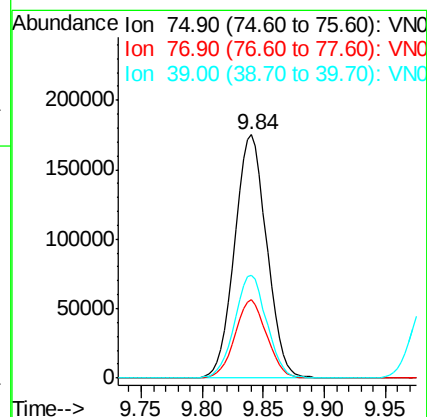
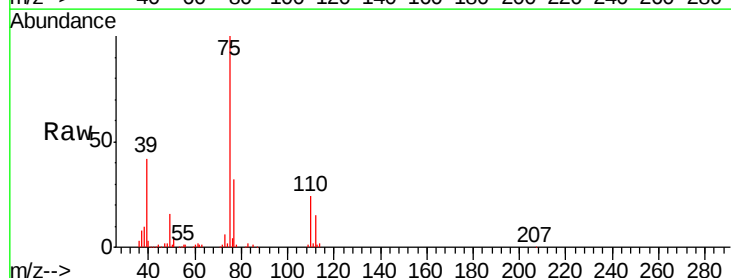
Tgt Ion: 75 Resp: 321122

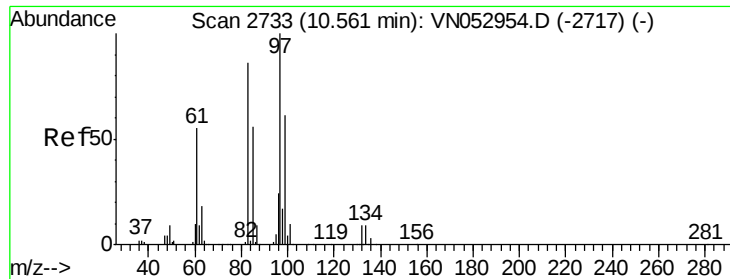
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

39 42.5 34.8 52.2





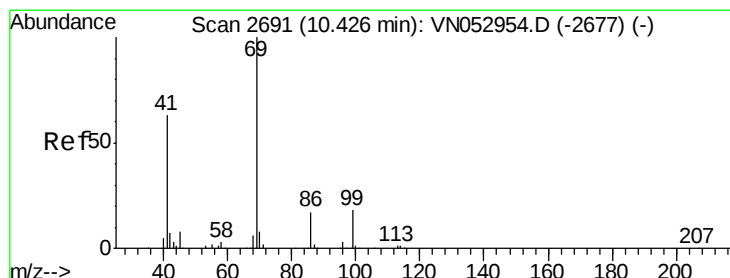
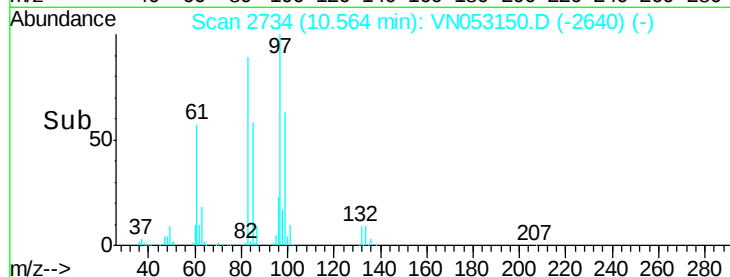
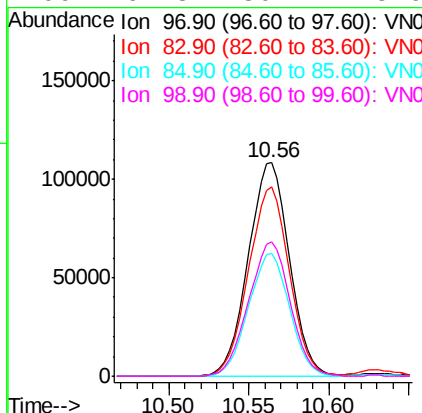
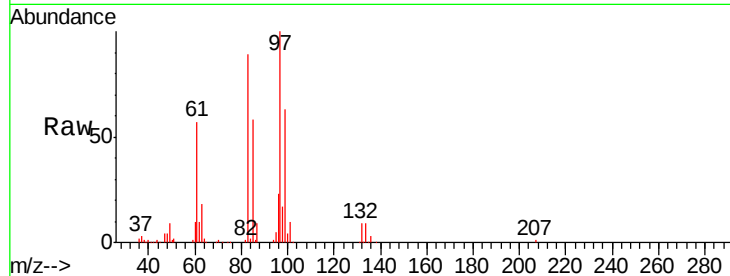
#55
 1,1,2-Trichloroethane
 Concen: 20.359 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	57.8	45.4	68.2
99	62.8	50.4	75.6

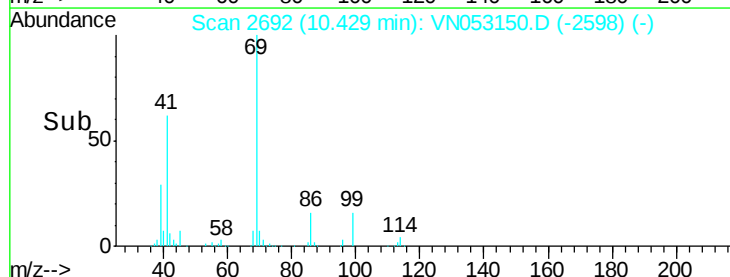
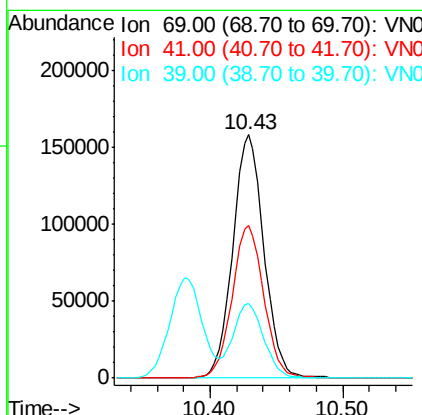
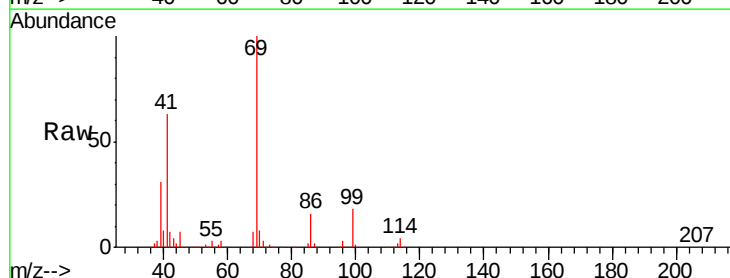
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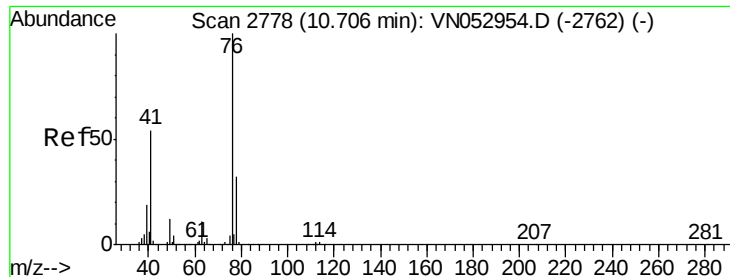
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#56
 Ethyl methacrylate
 Concen: 20.769 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.7	77.5
39	30.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 20.816 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 76 Resp: 335662

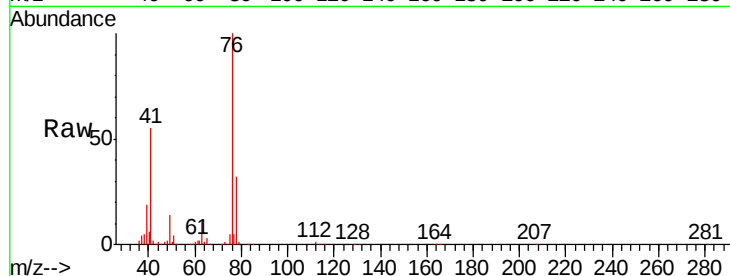
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

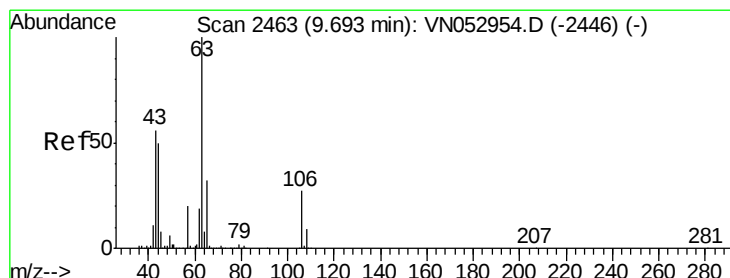
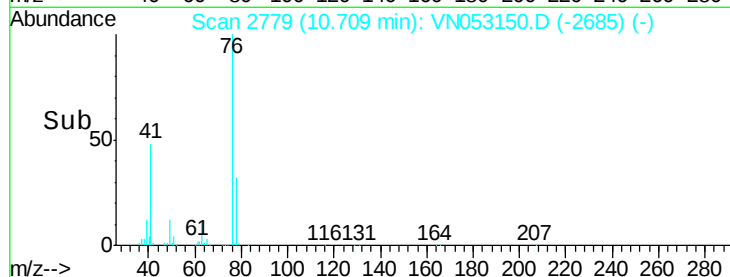
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 105.926 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053150.D

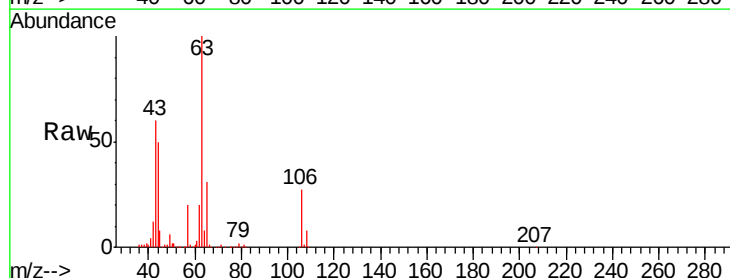
Acq: 22 Dec 2018 23:52

Tgt Ion: 63 Resp: 723785

Ion Ratio Lower Upper

63 100

106 26.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

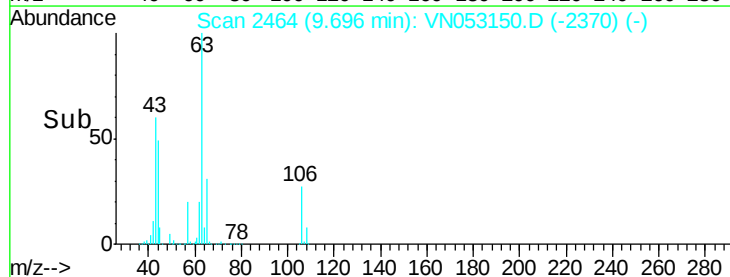
300000

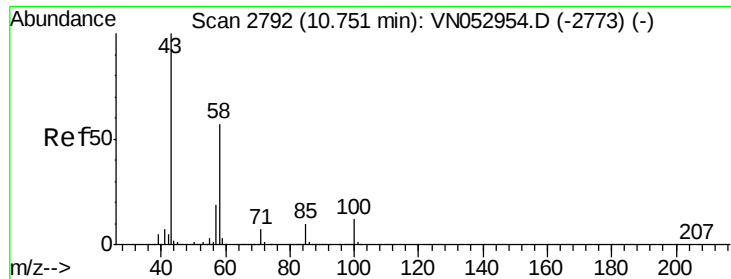
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80





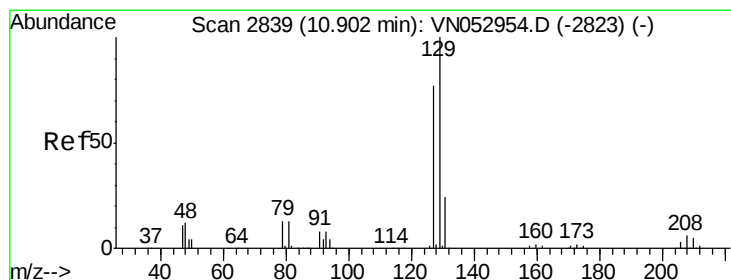
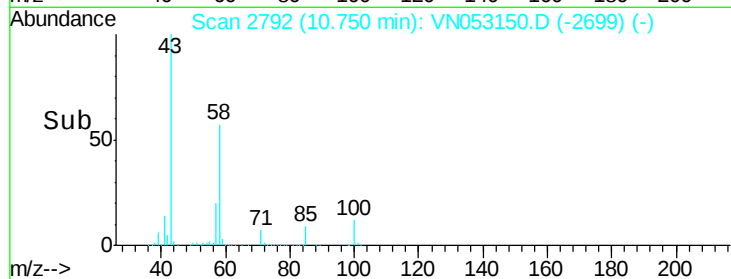
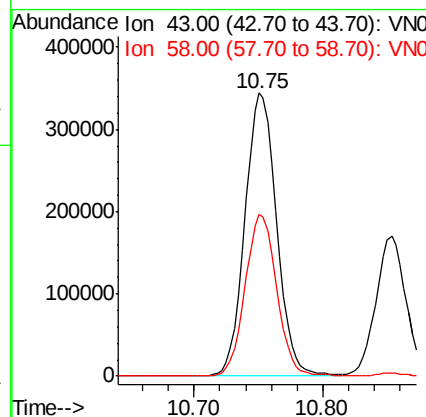
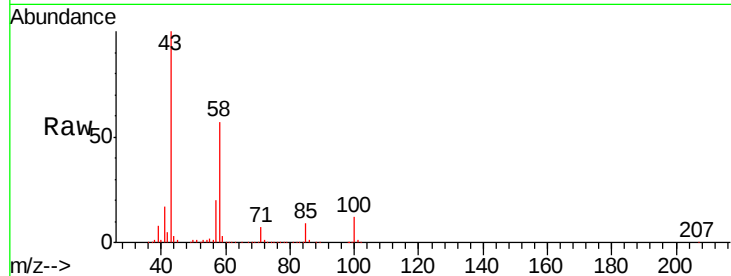
#59
2-Hexanone
Concen: 109.748 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.1	28.1	84.3

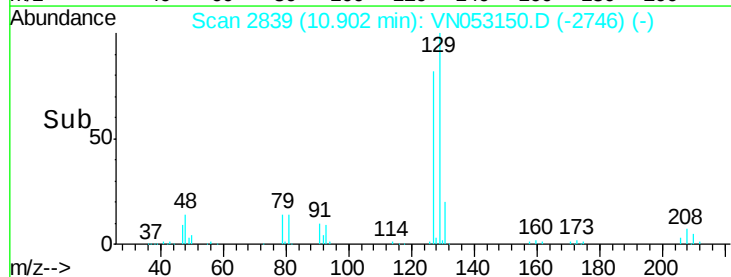
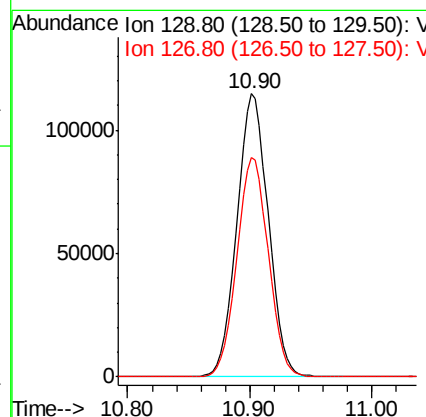
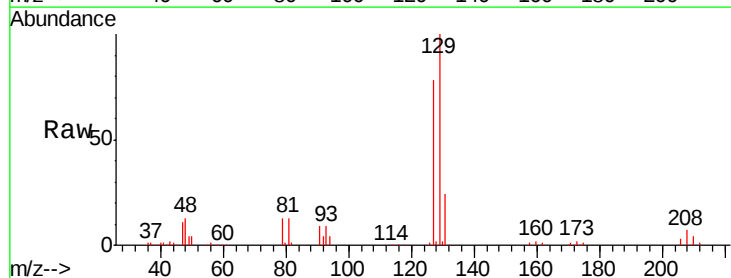
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#60
Dibromochloromethane
Concen: 19.022 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	116.0





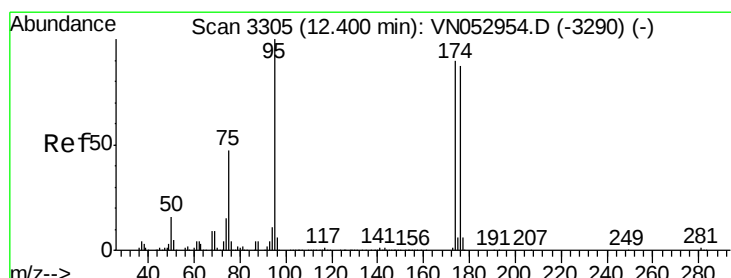
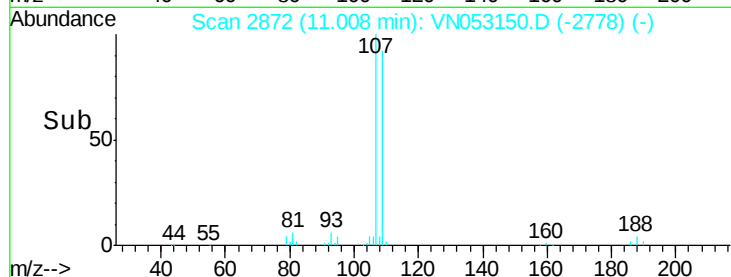
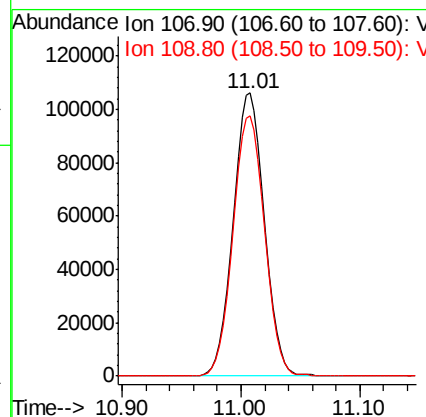
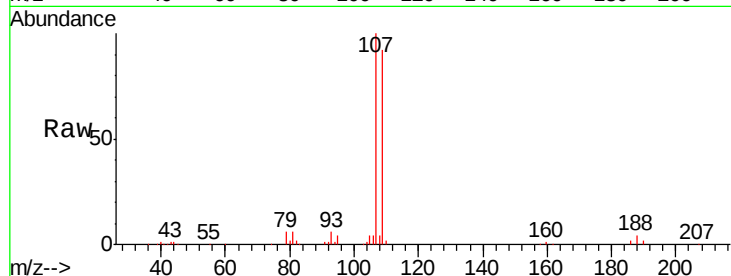
#61
 1,2-Dibromoethane
 Concen: 20.144 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	192377		
109	93.6	75.4	113.0	

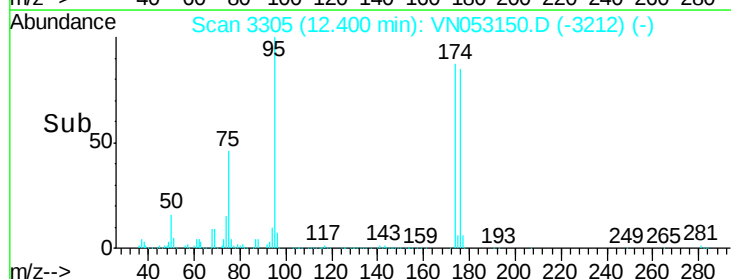
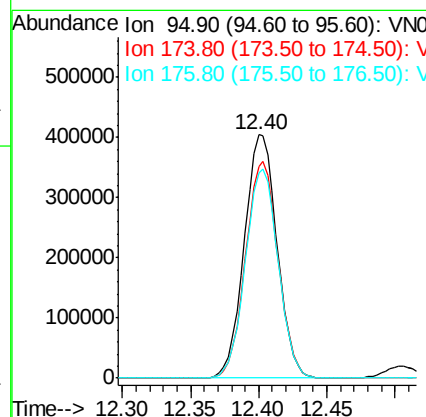
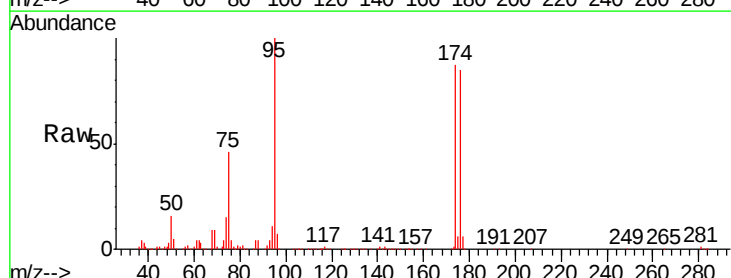
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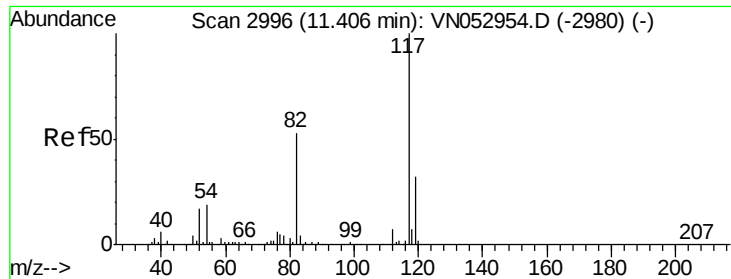
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 12/24/2018 9:11:01 AM



#62
 4-Bromofluorobenzene
 Concen: 20.144 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	674975		
174	88.2	0.0	178.8	
176	85.9	0.0	173.8	





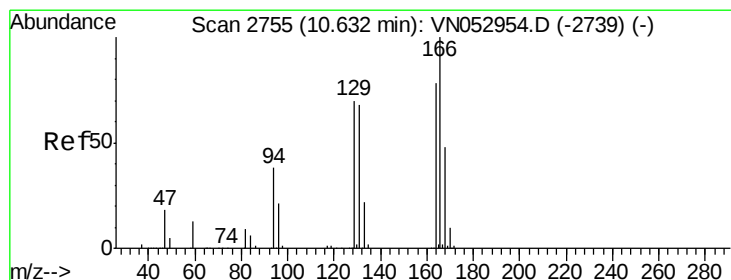
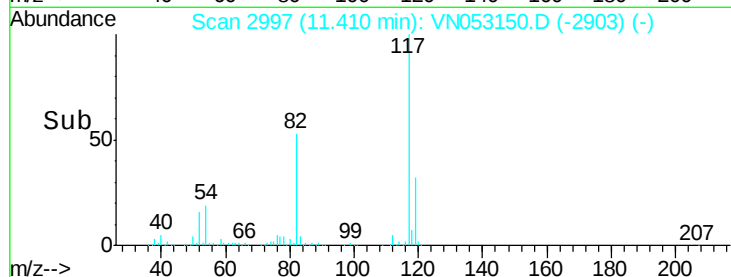
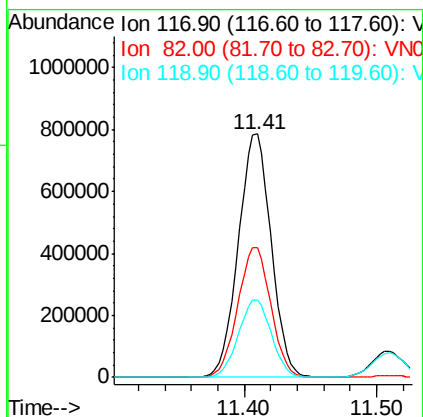
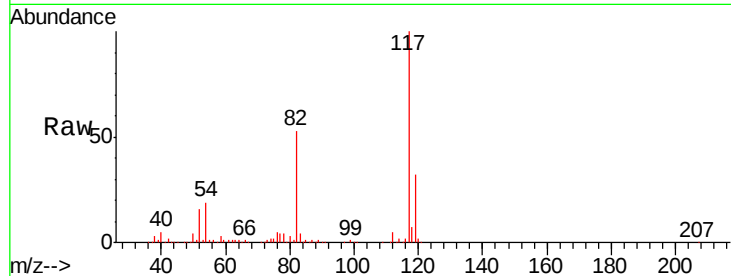
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion:117 Resp: 1351078
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 31.9 25.5 38.3

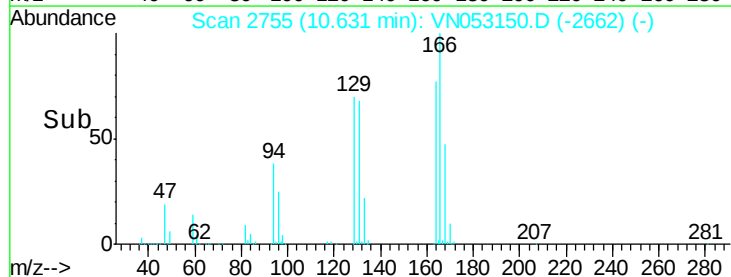
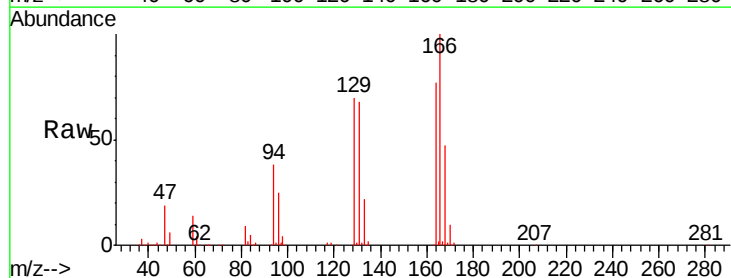
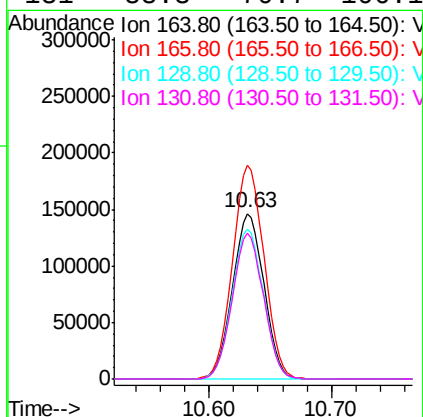
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#64
Tetrachloroethene
Concen: 17.867 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:164 Resp: 261492
Ion Ratio Lower Upper
164 100
166 129.2 102.9 154.3
129 90.9 73.7 110.5
131 88.3 70.7 106.1





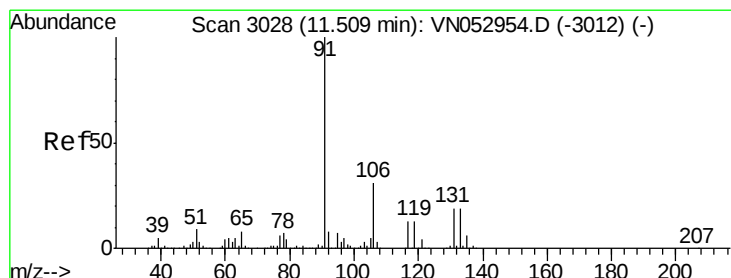
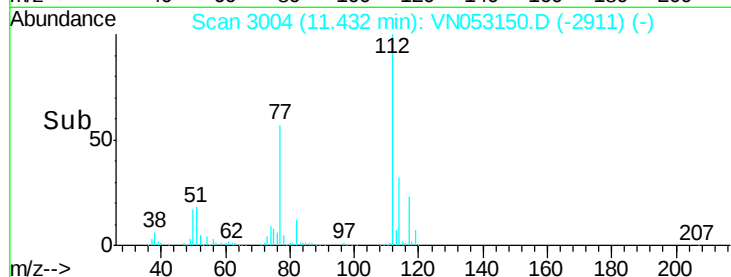
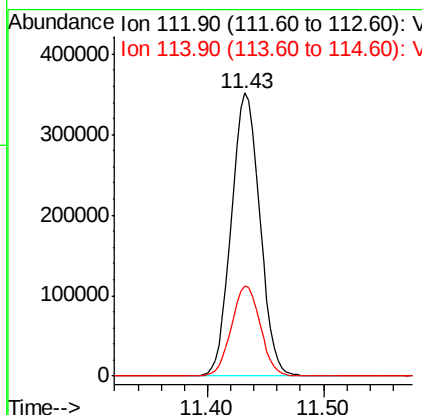
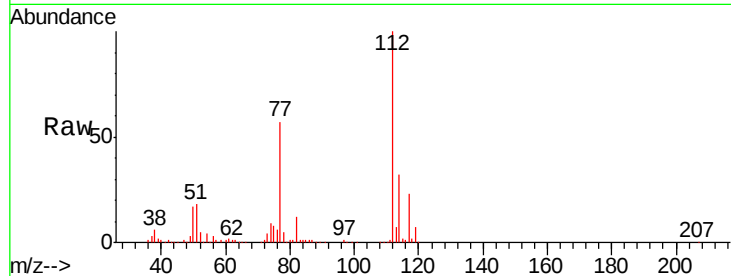
#65
Chlorobenzene
Concen: 19.903 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion:112 Resp: 596101
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

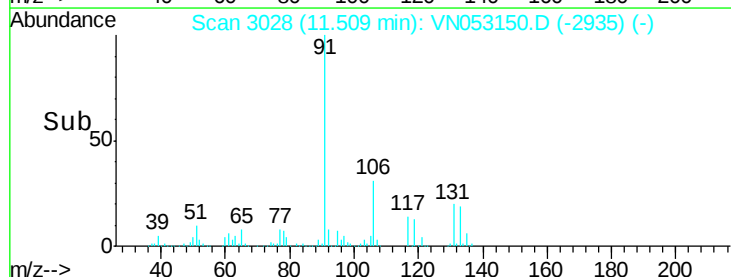
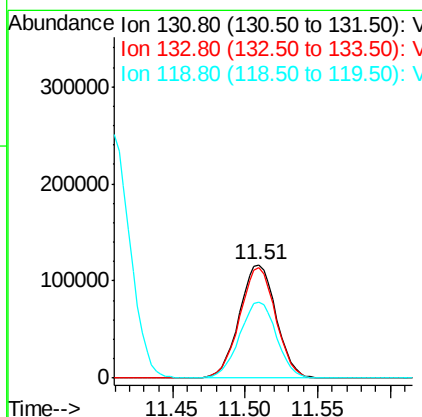
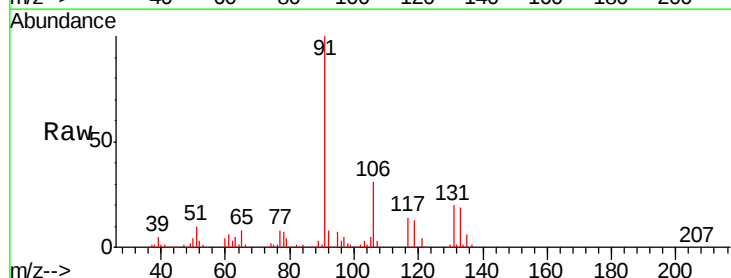
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.813 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:131 Resp: 206349
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 67.2 33.3 99.8





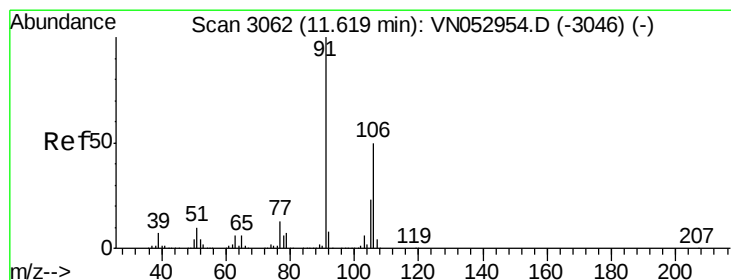
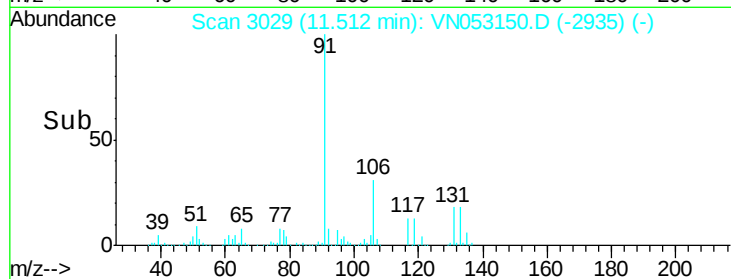
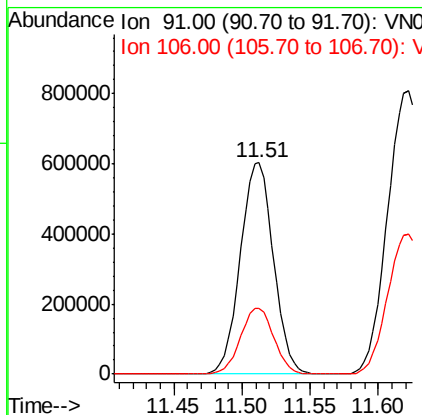
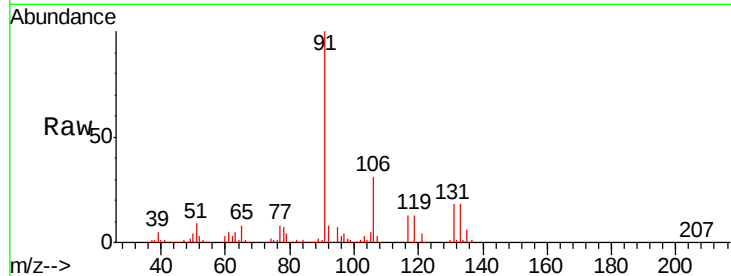
#67
Ethyl Benzene
Concen: 19.725 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion: 91 Resp: 1015935
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

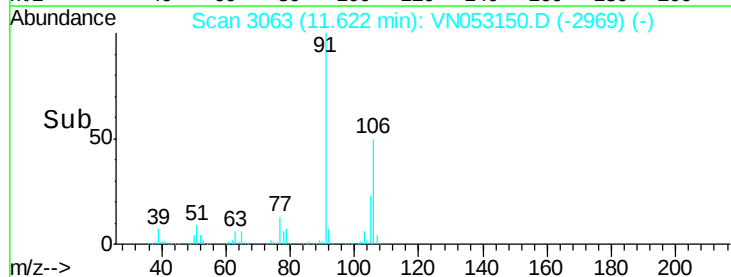
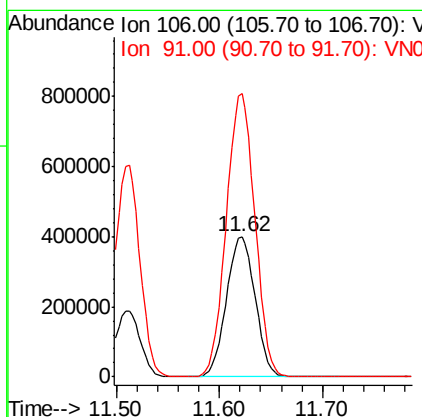
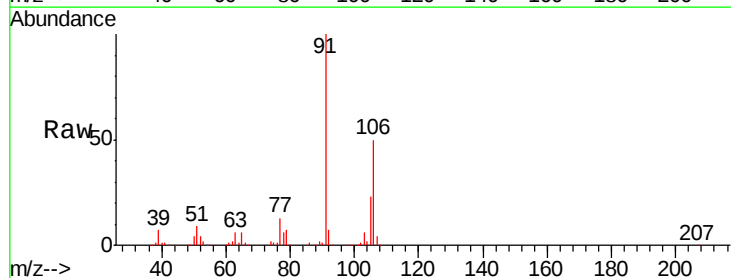
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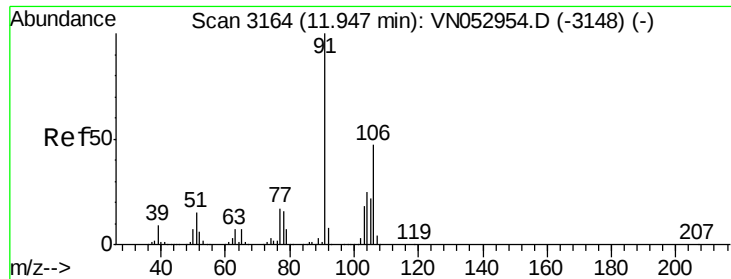
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#68
m/p-Xylenes
Concen: 39.450 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion: 106 Resp: 772434
Ion Ratio Lower Upper
106 100
91 201.6 162.2 243.4





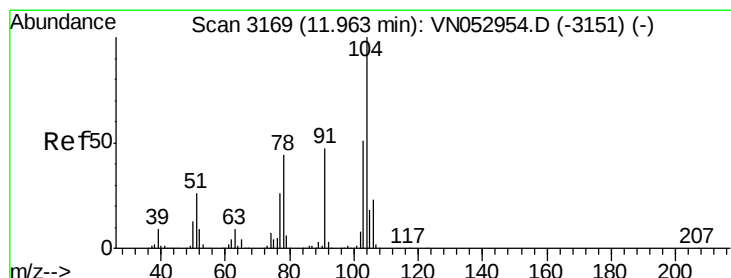
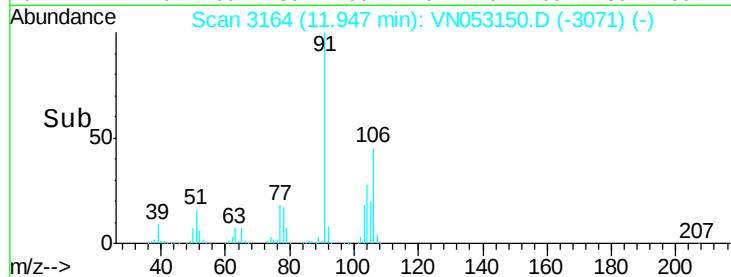
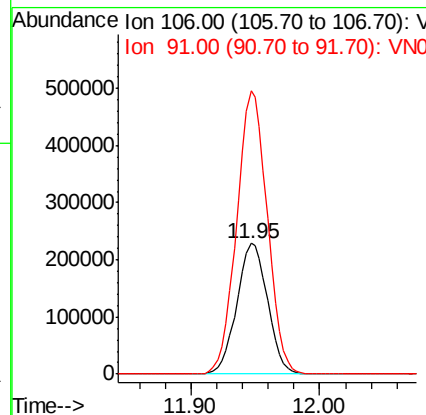
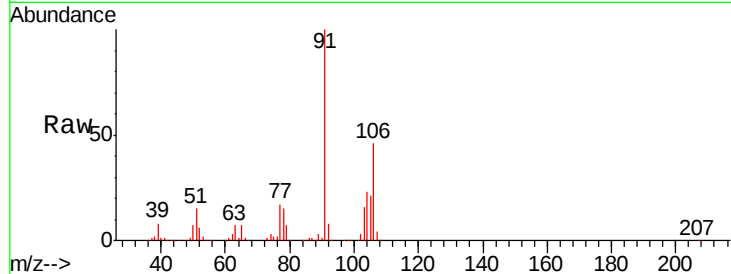
#69
o-Xylene
Concen: 20.165 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion:106 Resp: 378883
Ion Ratio Lower Upper
106 100
91 214.9 106.6 319.8

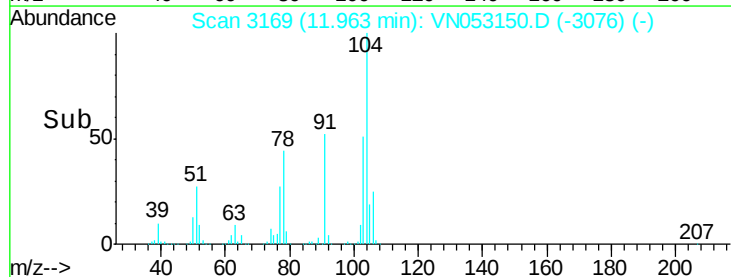
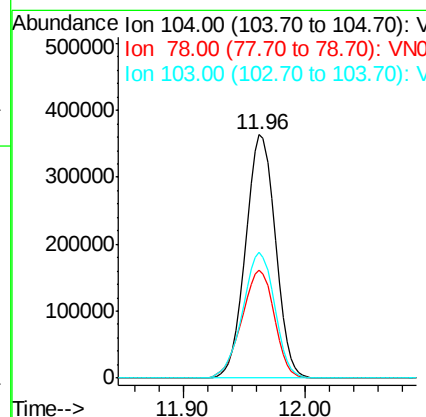
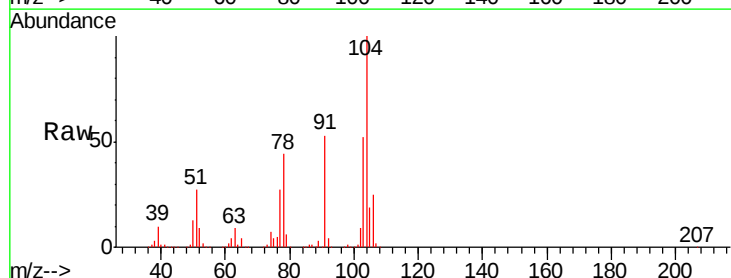
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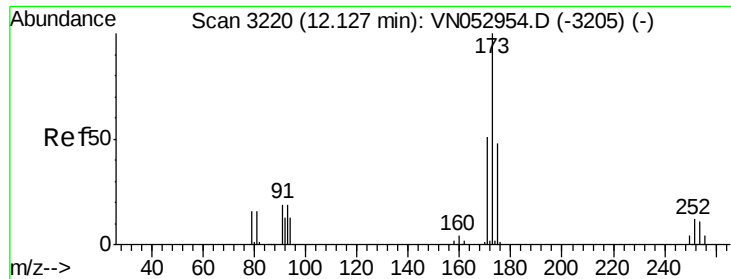
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#70
Styrene
Concen: 19.987 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion:104 Resp: 612332
Ion Ratio Lower Upper
104 100
78 48.5 38.9 58.3
103 55.6 44.3 66.5





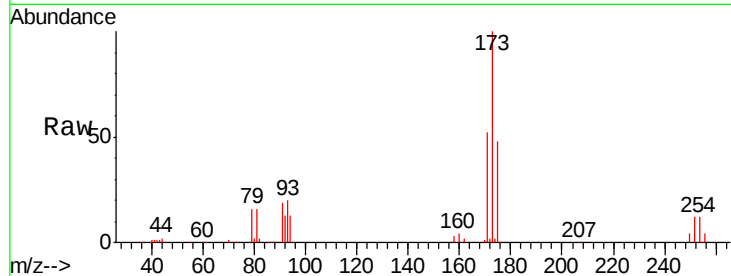
#71
Bromoform
Concen: 18.334 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

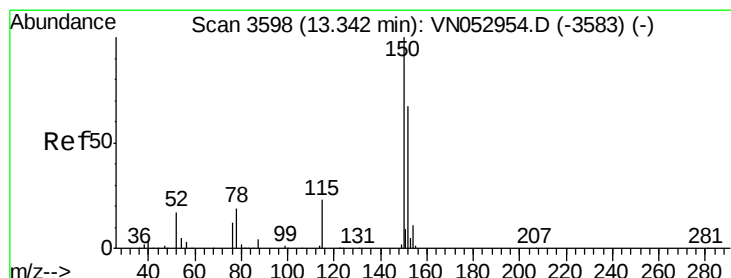
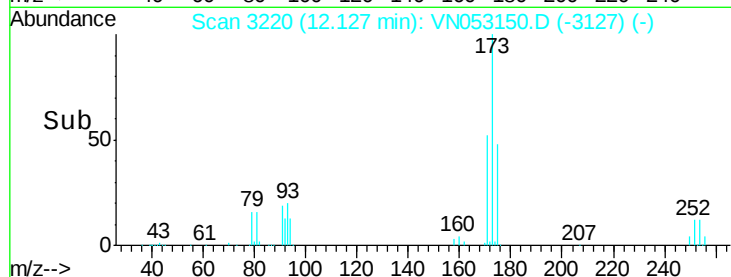
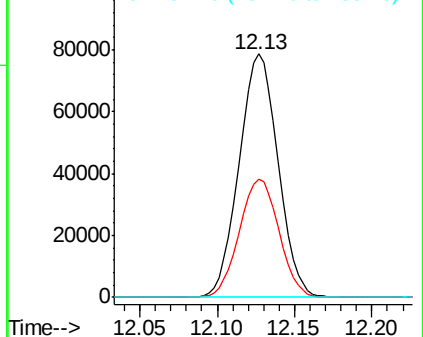
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.9
254	0.1	0.1	0.1

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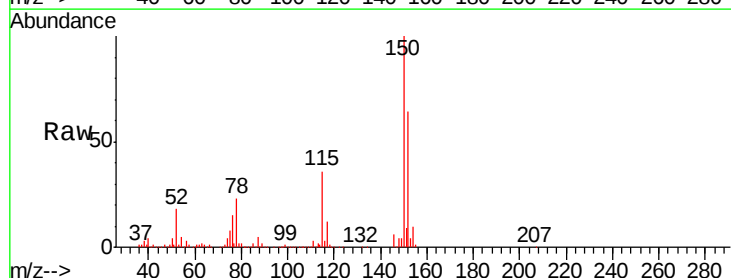


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

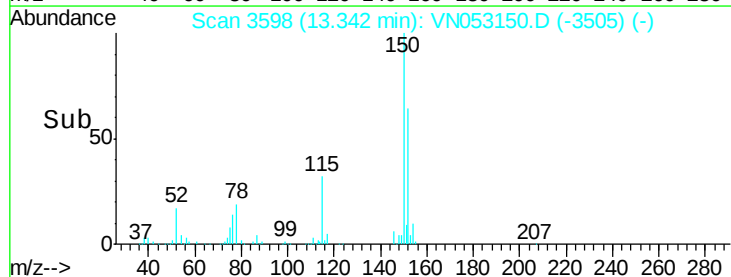
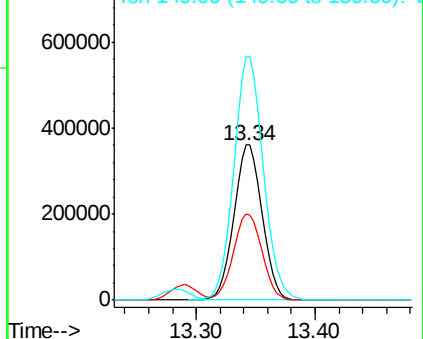


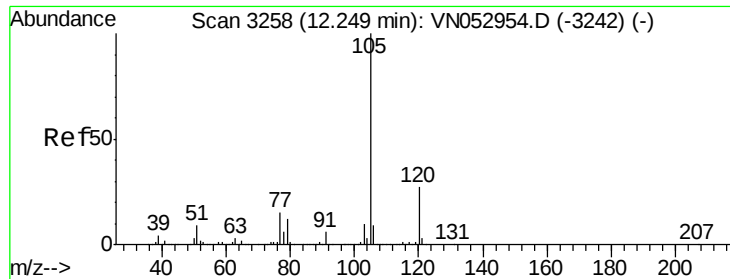
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.3	85.0
150	164.3	0.0	347.8



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: 21.536 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 105 Resp: 996415

Ion Ratio Lower Upper

105 100

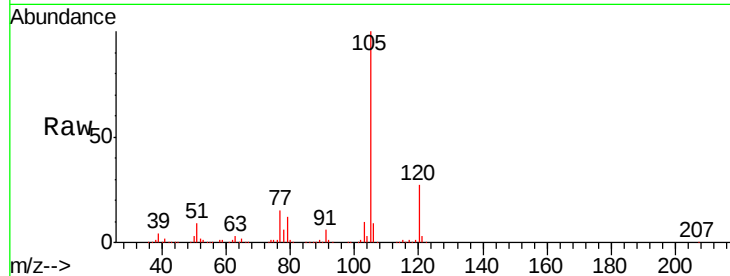
120 26.6 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

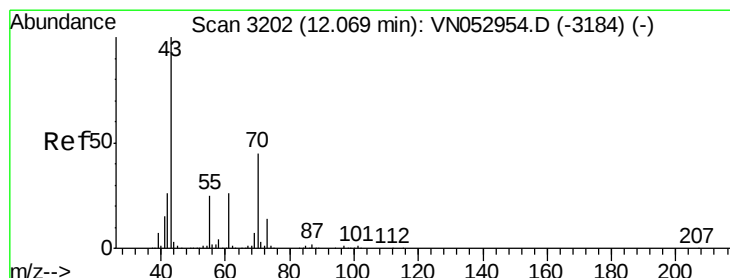
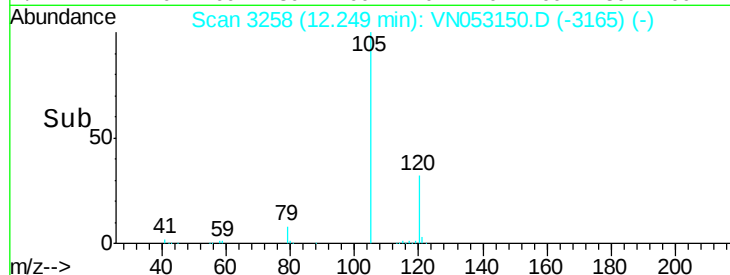
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 22.401 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Tgt Ion: 43 Resp: 287748

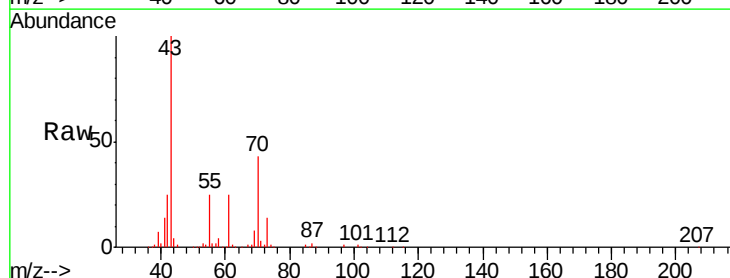
Ion Ratio Lower Upper

43 100

70 43.5 34.2 51.4

55 25.0 20.3 30.5

61 24.7 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

250000

200000

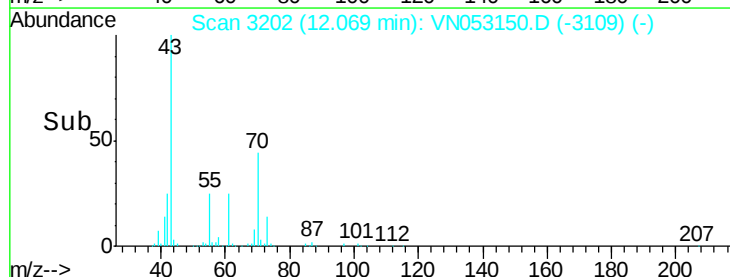
150000

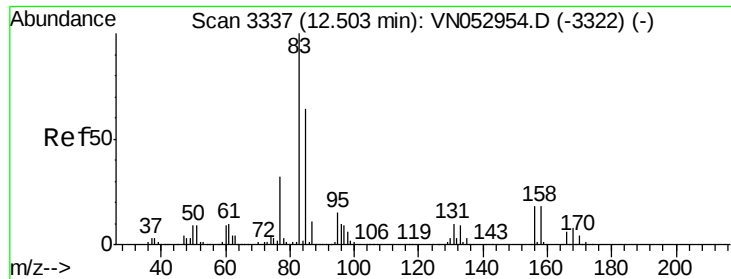
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 24.522 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 83 Resp: 222582
Ion Ratio Lower Upper

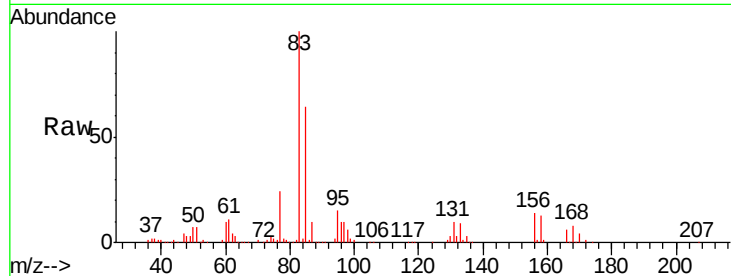
83 100

131 10.7 5.2 15.6

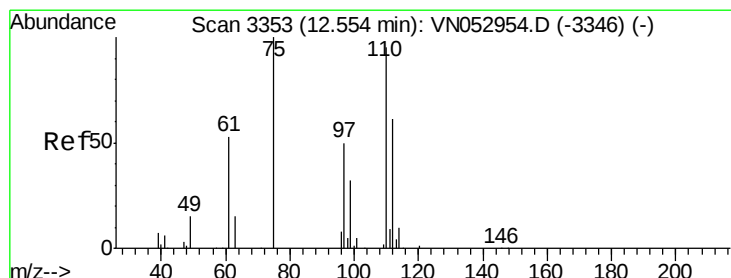
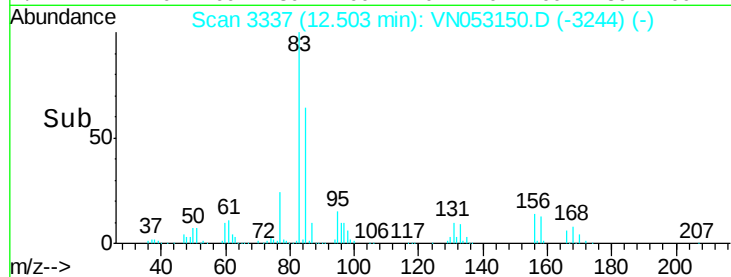
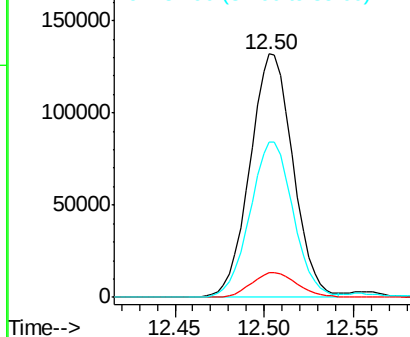
85 64.0 32.4 97.0

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



#76

1,2,3-Trichloropropane

Concen: 19.614 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

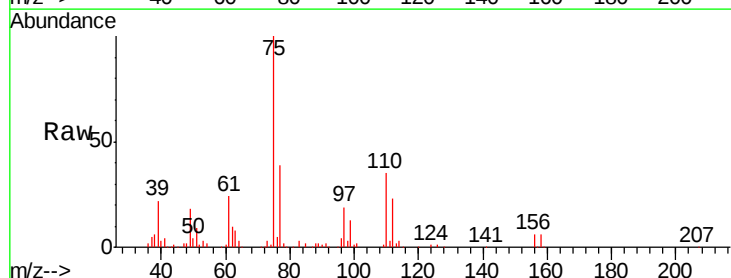
Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

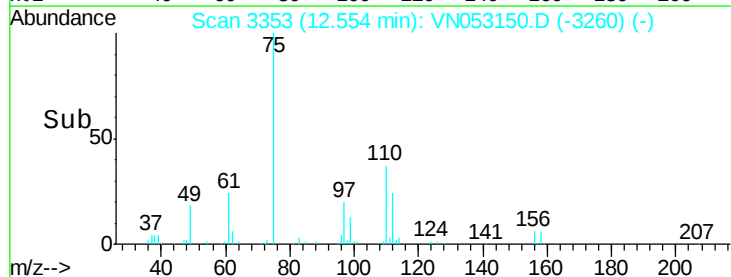
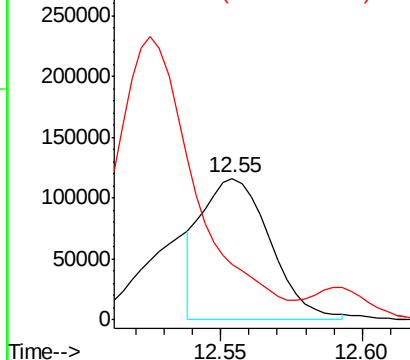
Tgt Ion: 75 Resp: 195249
Ion Ratio Lower Upper

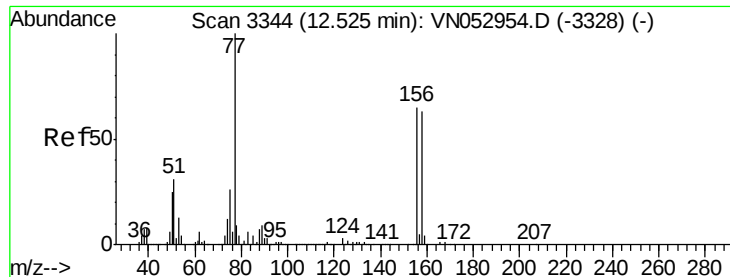
75 100

77 0.0 0.0 0.0



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





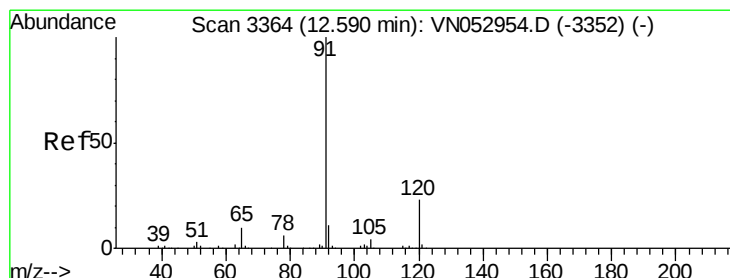
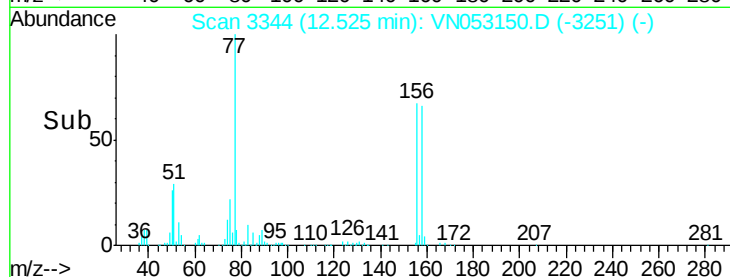
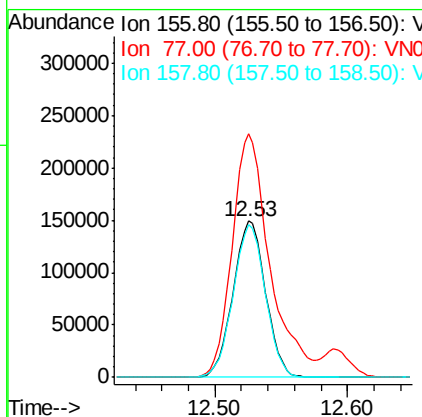
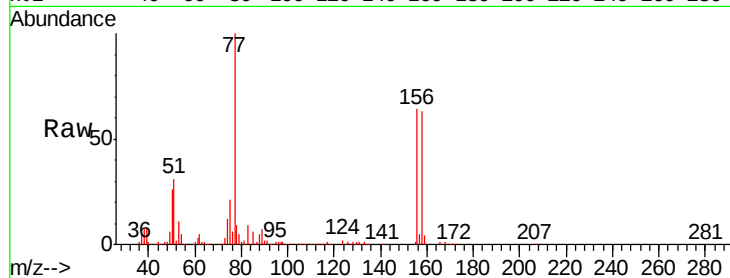
#77
Bromobenzene
Concen: 21.110 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.3	91.3	273.8
158	97.0	49.0	147.2

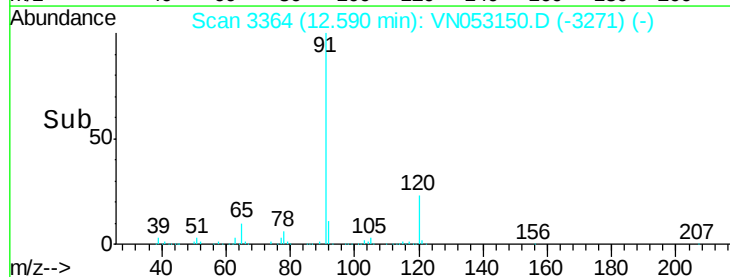
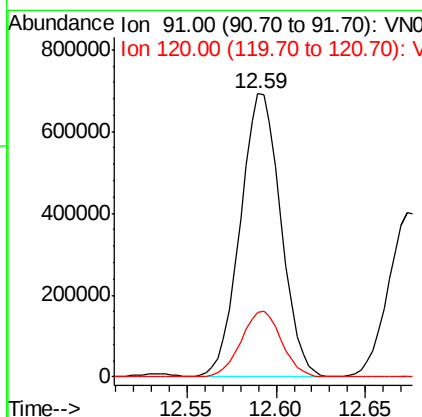
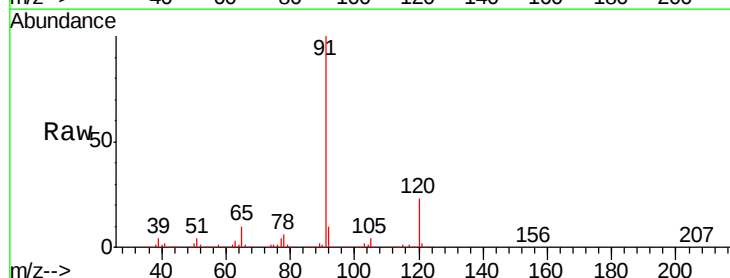
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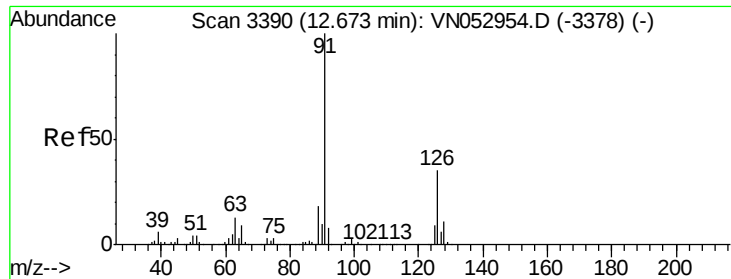
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#78
n-propylbenzene
Concen: 20.716 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.221 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 91 Resp: 660467

Ion Ratio Lower Upper

91 100

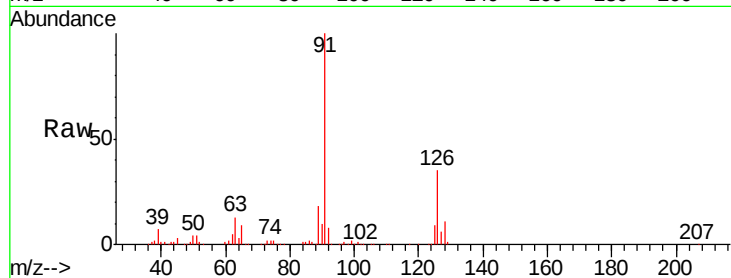
126 35.1 17.4 52.3

Manual Integrations

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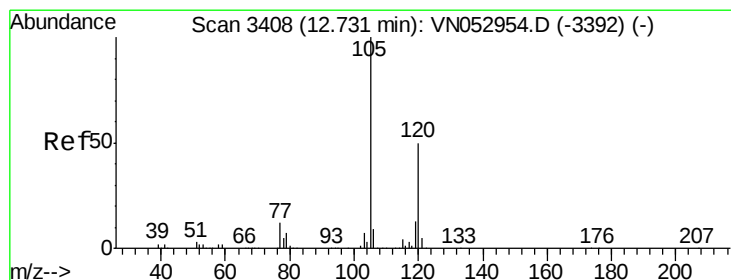
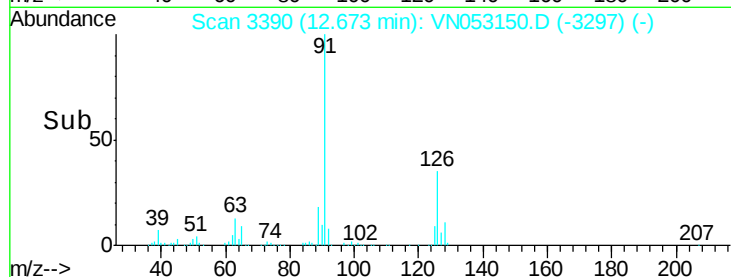
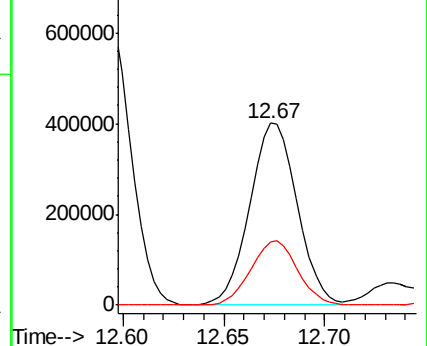
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Abundance Ion 91.00 (90.70 to 91.70): VN053150.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053150.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.616 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053150.D

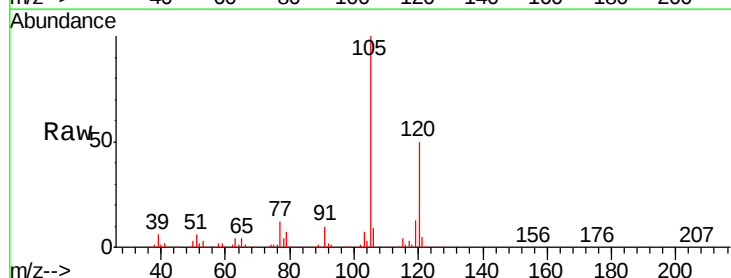
Acq: 22 Dec 2018 23:52

Tgt Ion: 105 Resp: 777467

Ion Ratio Lower Upper

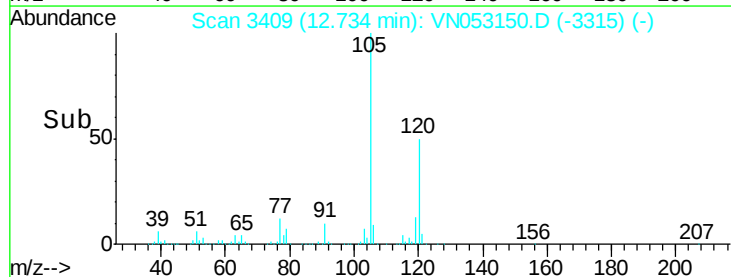
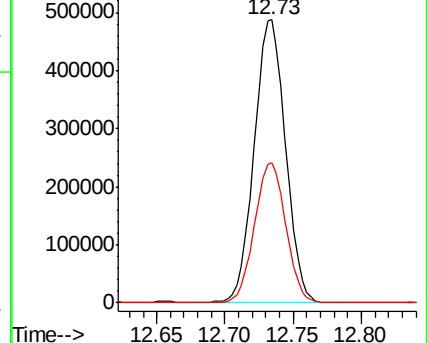
105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053150.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053150.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.744 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion: 75 Resp: 54803
Ion Ratio Lower Upper

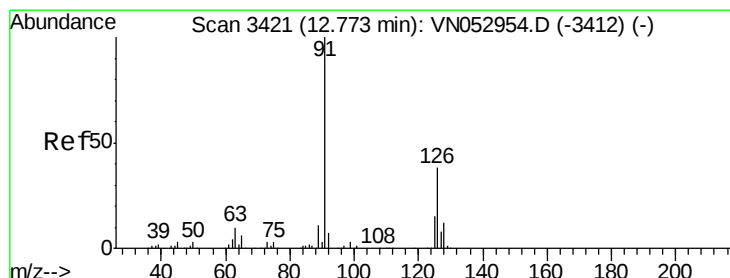
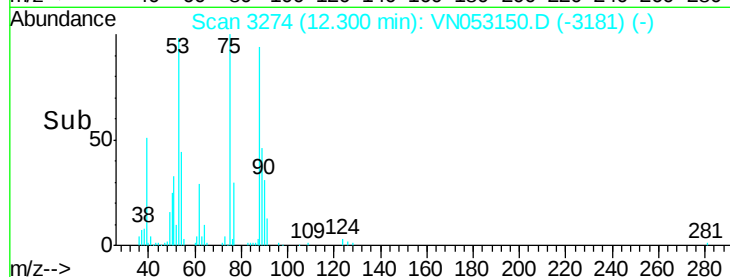
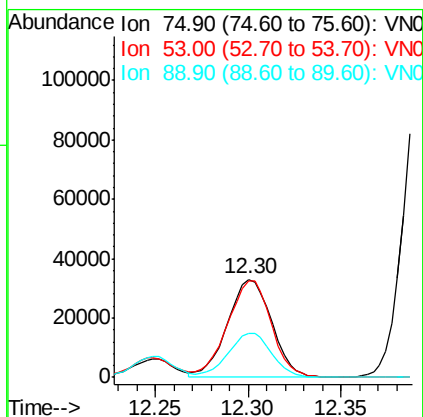
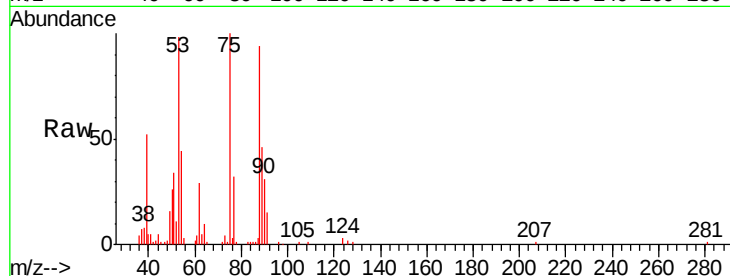
75 100

53 96.0 74.7 112.1

89 44.0 36.1 54.1

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#82

4-Chlorotoluene

Concen: 20.706 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

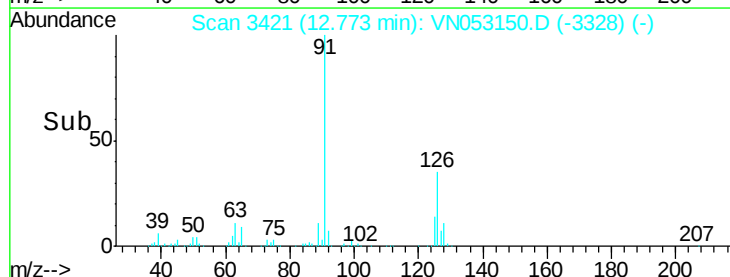
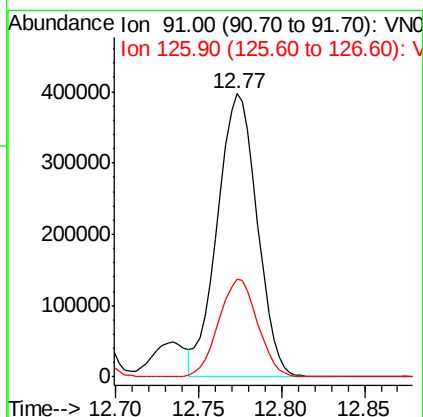
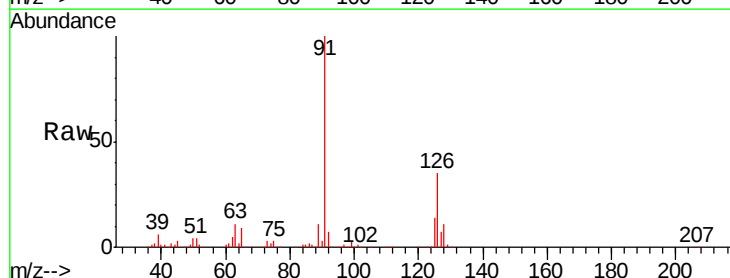
Lab File: VN053150.D

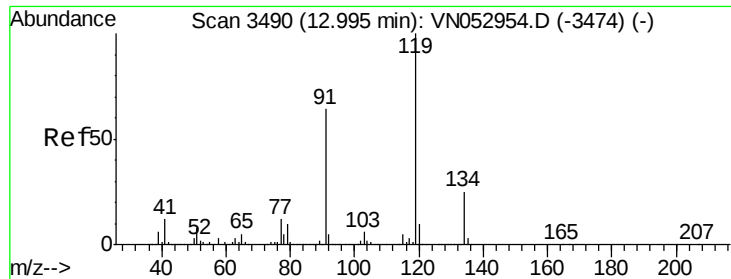
Acq: 22 Dec 2018 23:52

Tgt Ion: 91 Resp: 662026
Ion Ratio Lower Upper

91 100

126 34.0 17.3 51.7





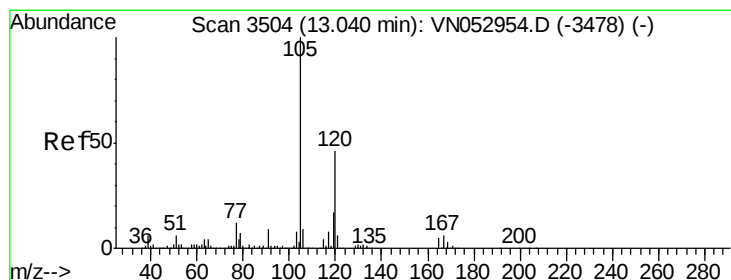
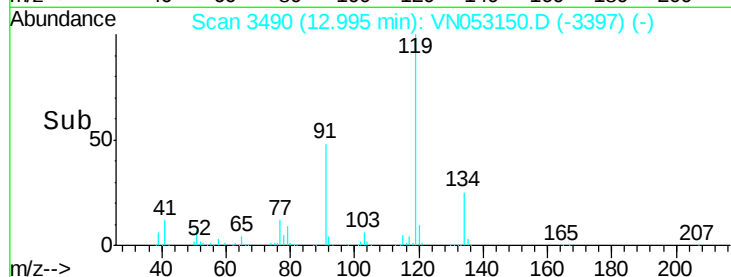
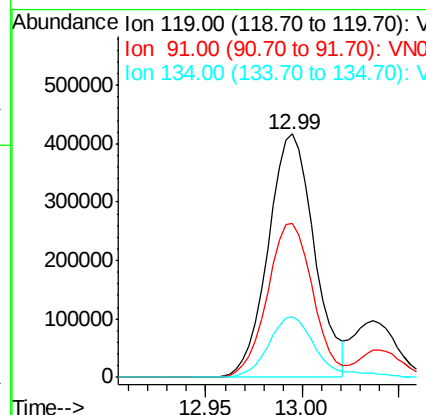
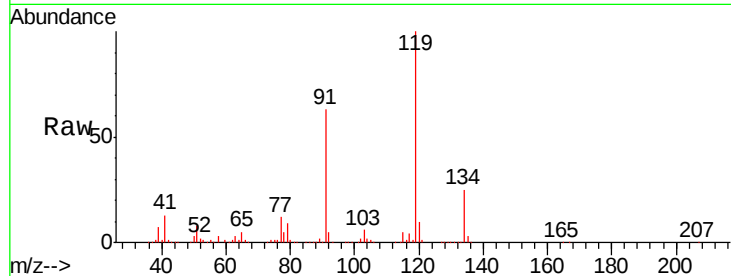
#83
 tert-Butylbenzene
 Concen: 20.651 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	688748		
91	62.4	31.9	95.5	
134	25.9	12.8	38.4	

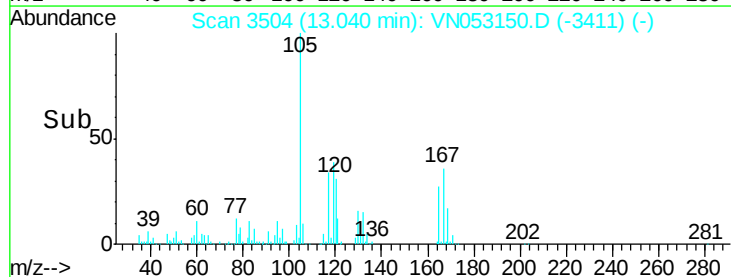
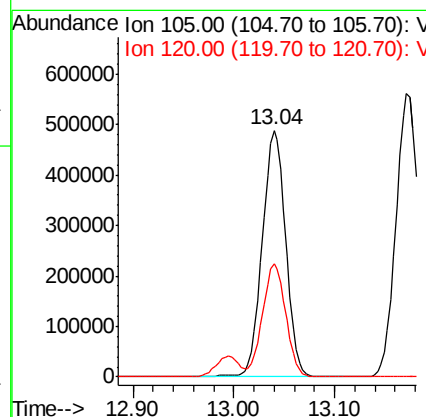
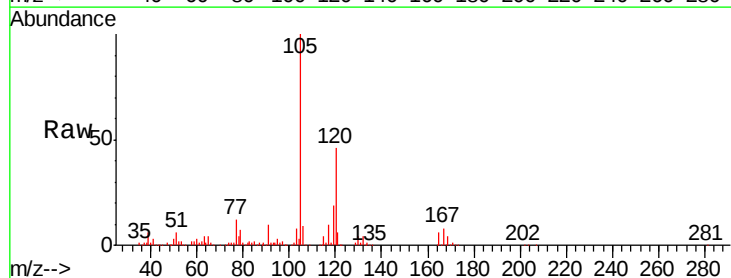
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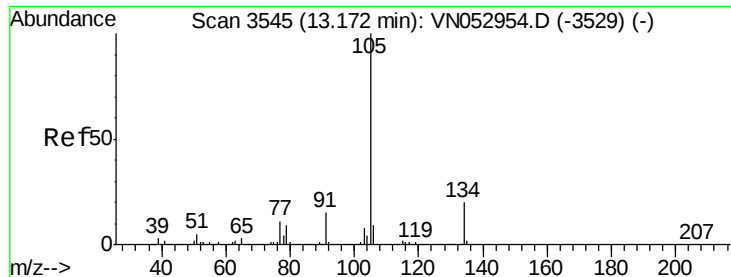
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.665 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	783419		
120	45.6	22.9	68.8	





#85

sec-Butylbenzene

Concen: 19.724 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBS02

Tgt Ion:105 Resp: 889790

Ion Ratio Lower Upper

105 100

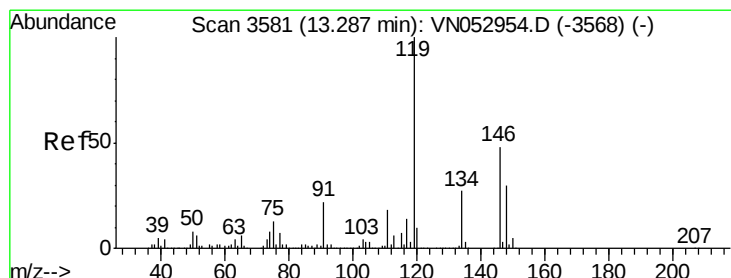
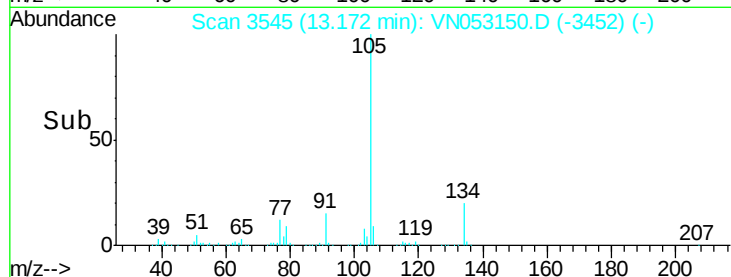
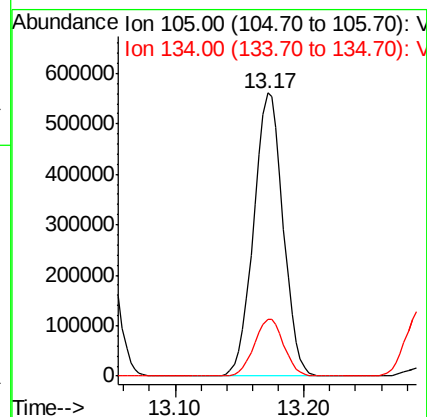
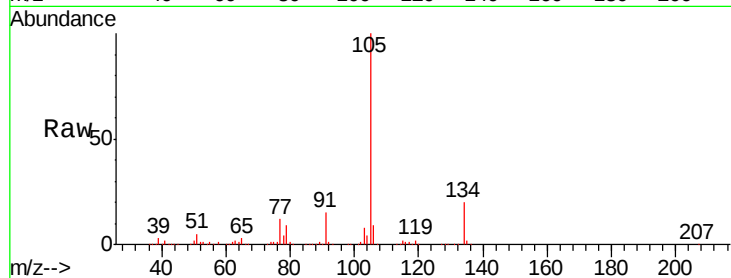
134 20.4 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.500 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

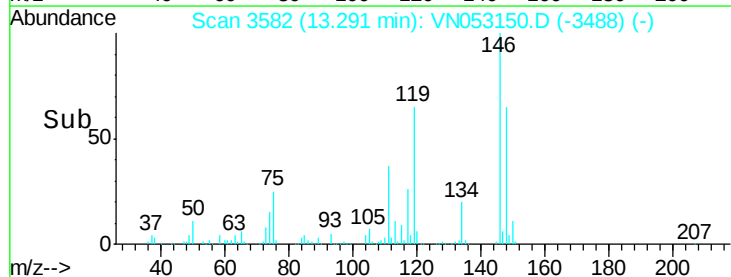
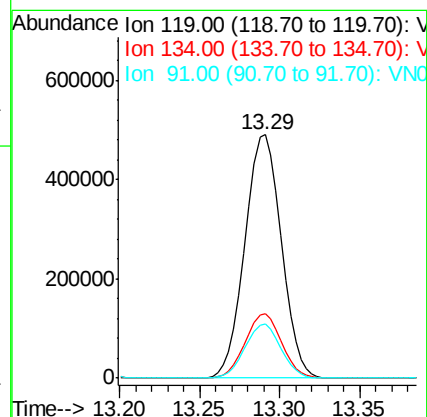
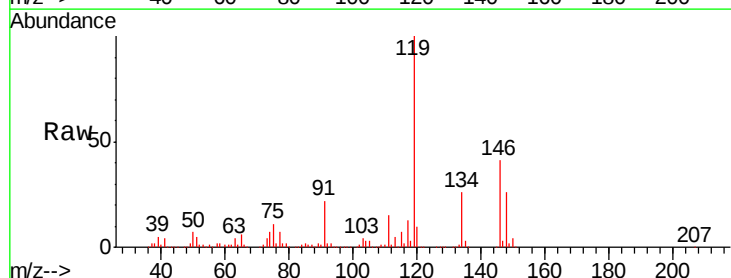
Tgt Ion:119 Resp: 760129

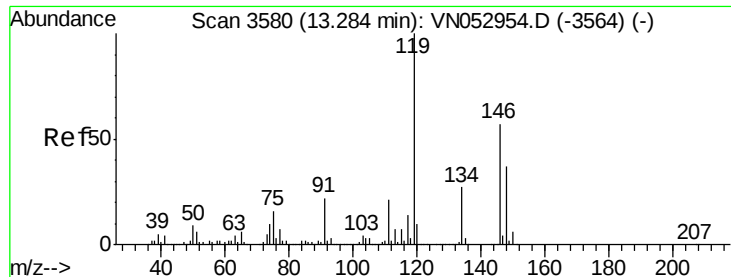
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 19.693 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

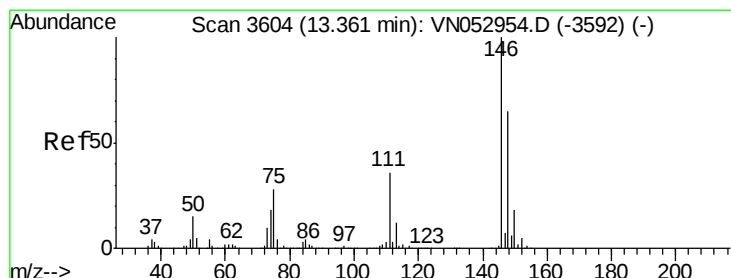
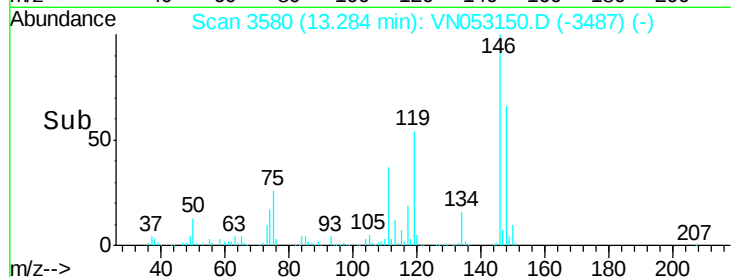
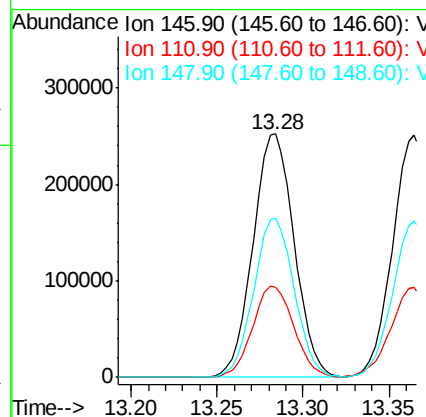
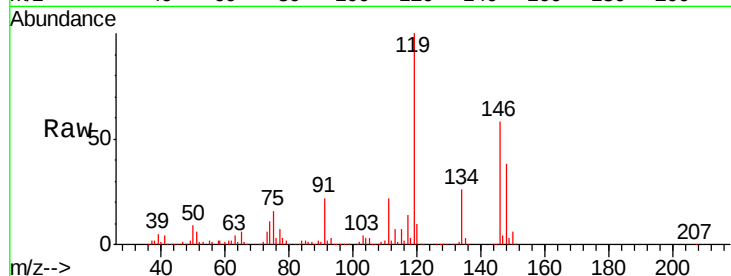
ClientSampleId :

VN1222MBS02

Tgt Ion:	146	Resp:	419179
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.1	57.1
148	64.3	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 19.004 ug/l

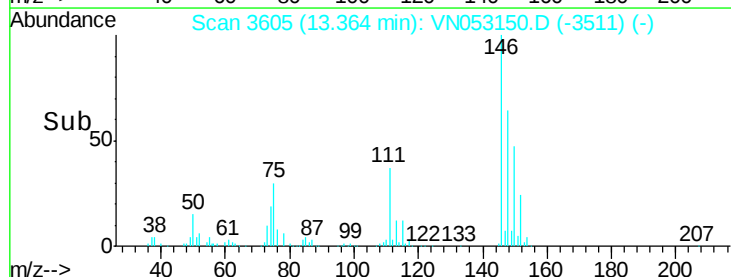
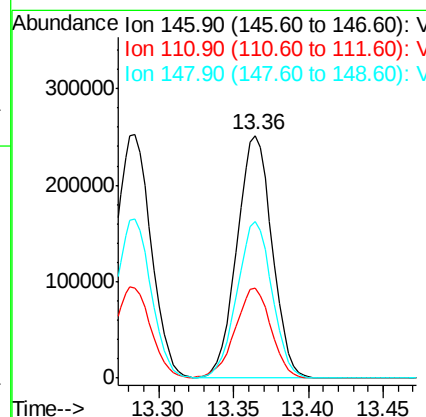
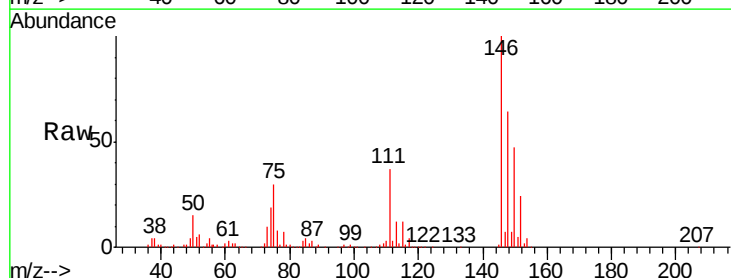
RT: 13.36 min Scan# 3605

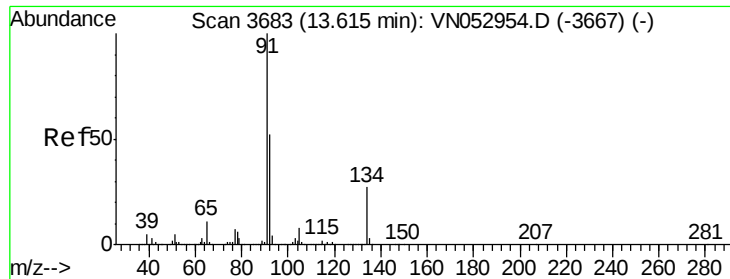
Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Tgt Ion:	146	Resp:	409639
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.6	55.8
148	64.7	32.1	96.5





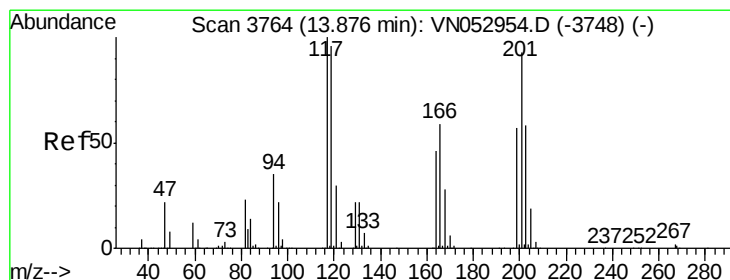
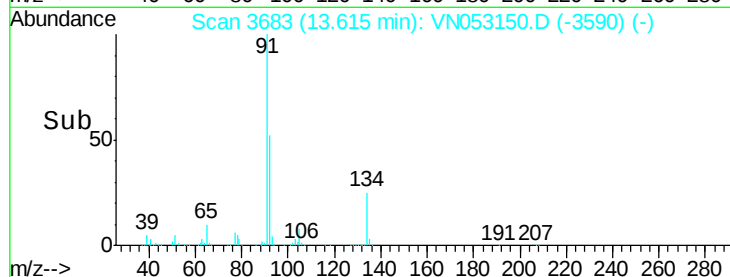
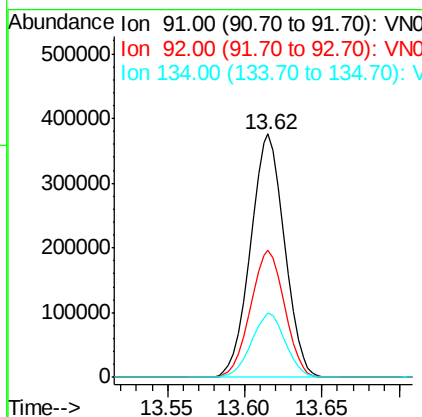
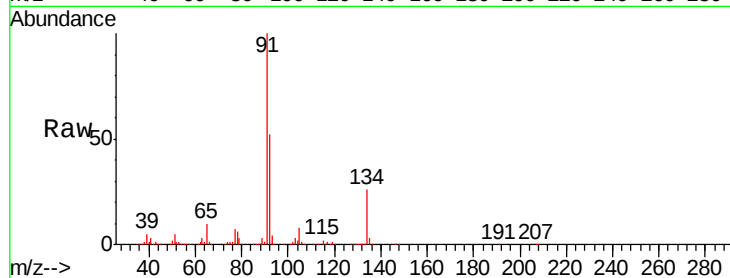
#89
n-Butylbenzene
Concen: 17.155 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Instrument :
MSVOA_N
ClientSampleId :
VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.9
134	26.4	13.3	39.8

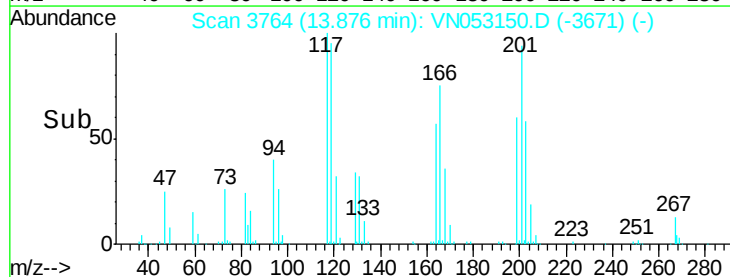
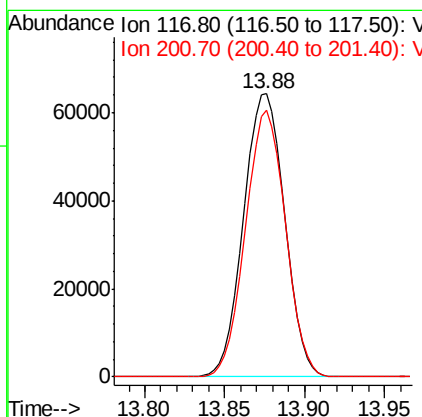
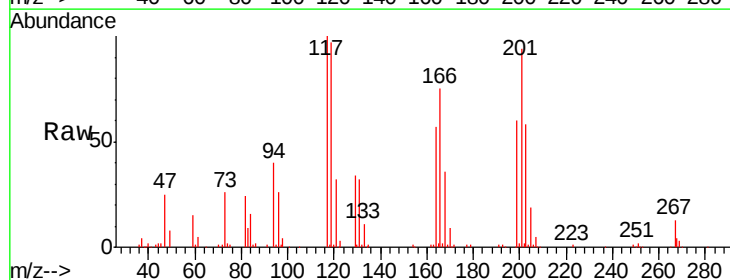
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#90
Hexachloroethane
Concen: 18.879 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053150.D
Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.7	137.1





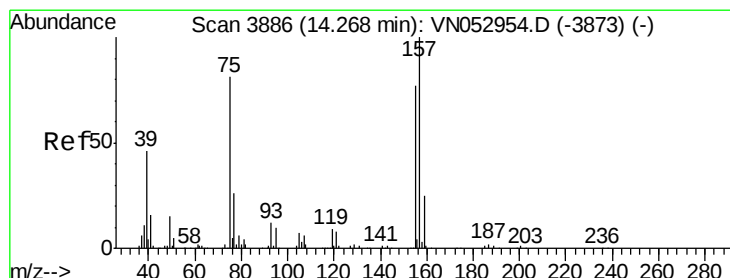
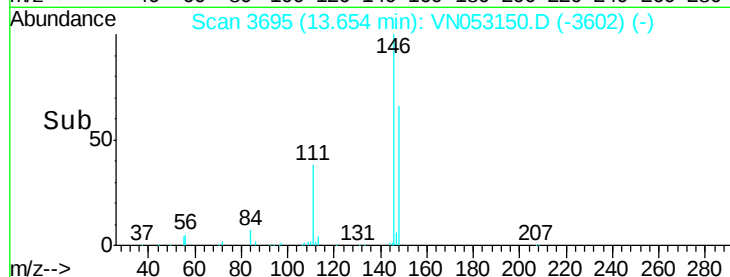
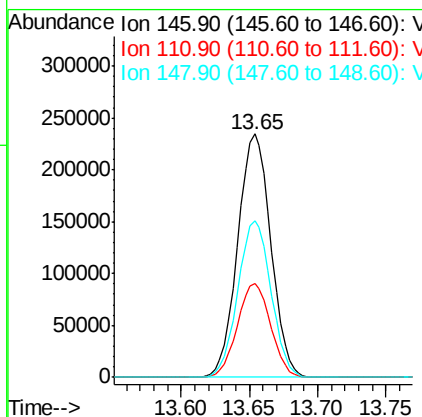
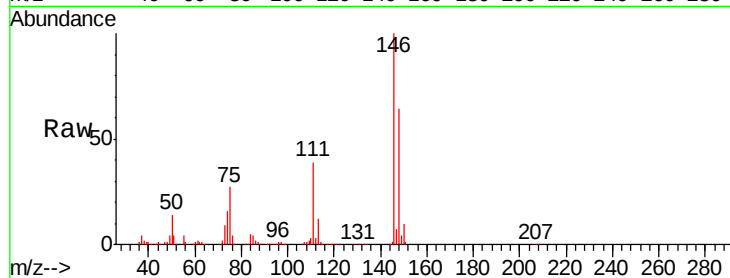
#91
 1,2-Dichlorobenzene
 Concen: 19.686 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.5	32.0	96.0

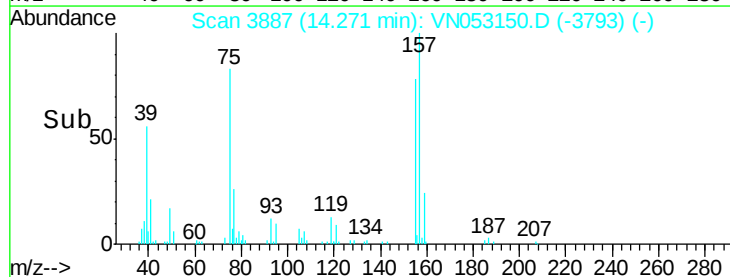
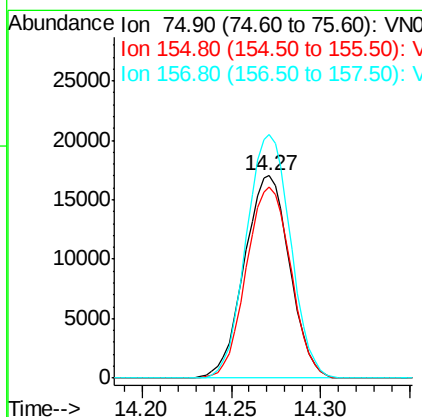
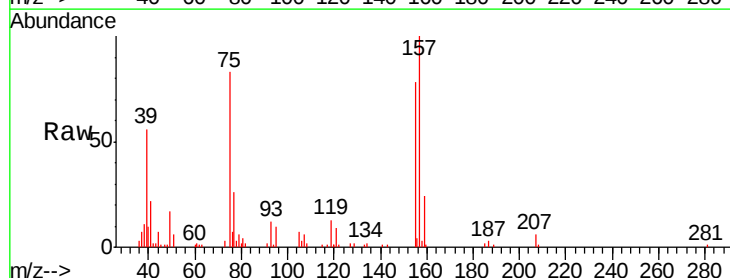
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.248 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053150.D
 Acq: 22 Dec 2018 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.2	144.6
157	117.4	61.2	183.5





#93

1,2,4-Trichlorobenzene

Concen: 17.039 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

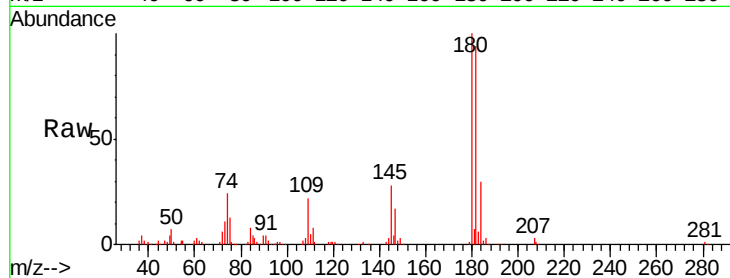
ClientSampleId :

VN1222MBS02

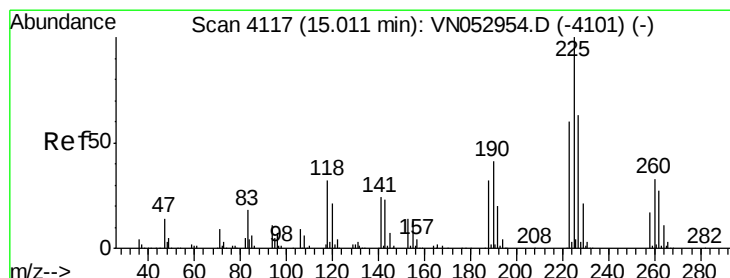
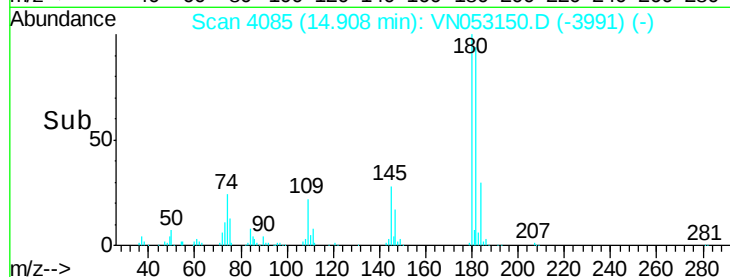
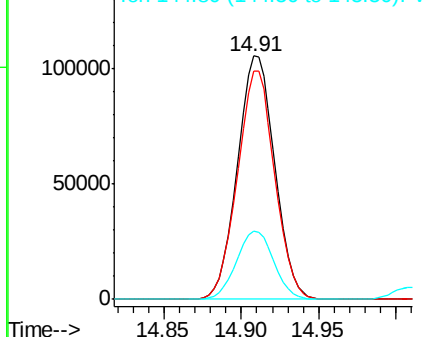
Tgt Ion:	180	Resp:	176630
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.8	143.3
145	28.0	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:11:01 AM



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: 18.469 ug/l

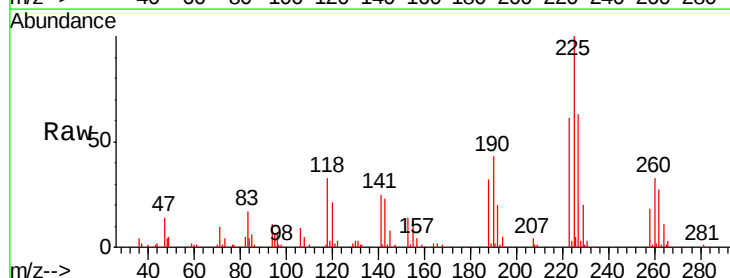
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

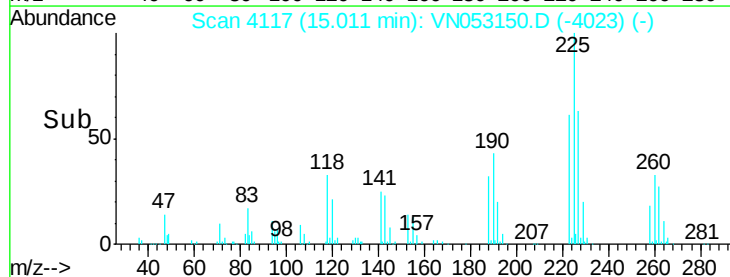
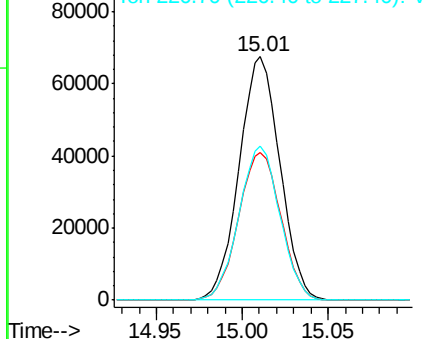
Lab File: VN053150.D

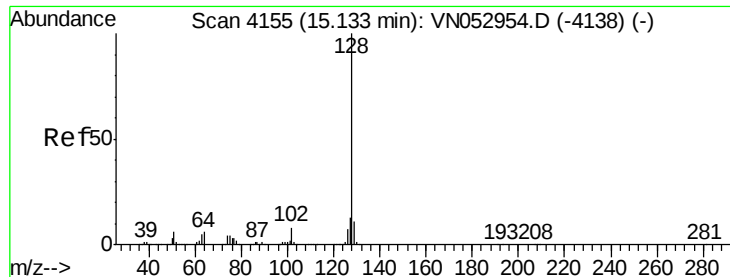
Acq: 22 Dec 2018 23:52

Tgt Ion:	225	Resp:	111449
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.5	94.5
227	63.6	31.9	95.7



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: 17.771 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Instrument :

MSVOA_N

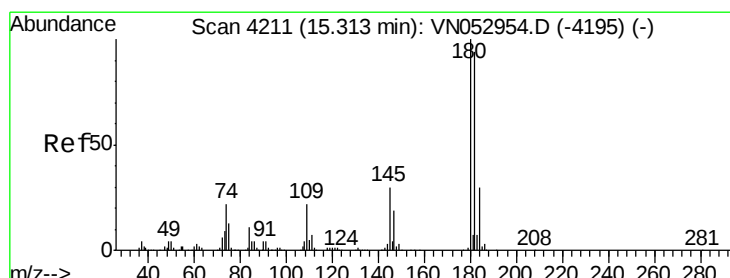
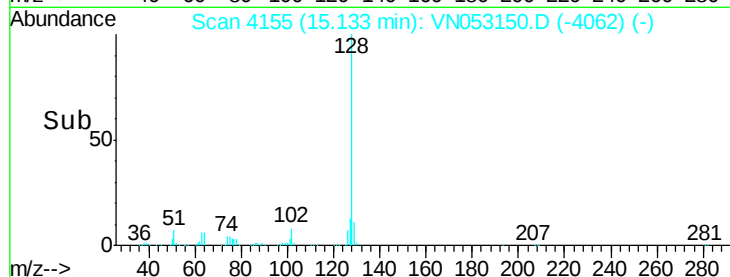
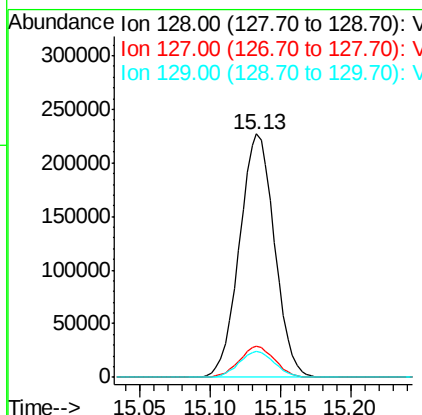
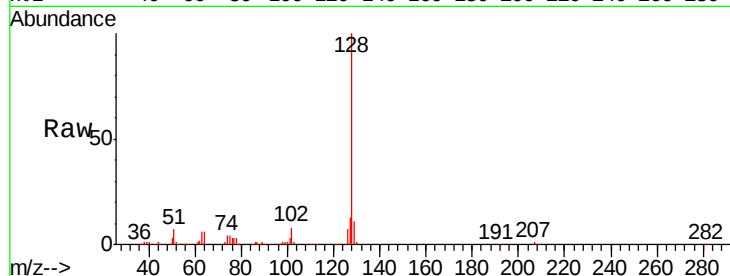
ClientSampleId :

VN1222MBS02

Tgt	Ion	Resp	Lower	Upper
128	100			
127	12.7	10.2	15.4	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:11:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.188 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053150.D

Acq: 22 Dec 2018 23:52

Tgt	Ion	Resp	Lower	Upper
180	100			
182	96.5	47.9	143.7	
145	30.0	15.0	45.0	

