

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055181.D
 Acq On : 22 Apr 2019 15:11
 Operator : JC/SP
 Sample : VN0422WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Manual Integrations
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 4/23/2019 1:47:27 PM

Quant Time: Apr 23 06:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	409601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	671197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	273722	49.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	221867	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
50) Toluene-d8	10.09	98	813978	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	254741	47.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	116193	22.032	ug/l	99
3) Chloromethane	2.06	50	132835	20.555	ug/l	97
4) Vinyl Chloride	2.19	62	104346	20.151	ug/l	96
5) Bromomethane	2.56	94	57254	19.066	ug/l	100
6) Chloroethane	2.70	64	52834	19.359	ug/l	97
7) Trichlorofluoromethane	3.02	101	143357	20.344	ug/l	99
8) Diethyl Ether	3.41	74	53749	21.370	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	87563	19.913	ug/l	99
10) Methyl Iodide	3.95	142	126810	20.565	ug/l	99
11) Tert butyl alcohol	4.79	59	33347	103.028	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	84011	19.936	ug/l	96
13) Acrolein	3.61	56	49340	107.332	ug/l	98
14) Allyl chloride	4.33	41	167057	20.053	ug/l	99
15) Acrylonitrile	4.99	53	184196	103.767	ug/l	99
16) Acetone	3.82	43	168899	92.156	ug/l	99
17) Carbon Disulfide	4.05	76	228884	19.428	ug/l	99
18) Methyl Acetate	4.33	43	85721	21.115	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	241736	20.748	ug/l	100
20) Methylene Chloride	4.55	84	100076	18.994	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	88272	19.976	ug/l	95
22) Diisopropyl ether	5.96	45	335389	20.197	ug/l	99
23) Vinyl Acetate	5.90	43	1186737	106.347	ug/l	99
24) 1,1-Dichloroethane	5.85	63	180927	20.256	ug/l	98
25) 2-Butanone	6.84	43	236232	99.838	ug/l	98
26) 2,2-Dichloropropane	6.82	77	118127	19.543	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	102906	20.201	ug/l	99
28) Bromochloromethane	7.20	49	92630	20.344	ug/l	100
29) Tetrahydrofuran	7.22	42	156047	107.262	ug/l	99
30) Chloroform	7.37	83	167026	19.659	ug/l	98
31) Cyclohexane	7.66	56	174123	20.043	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	138148	20.239	ug/l	99
36) 1,1-Dichloropropene	7.79	75	125911	20.211	ug/l	99
37) Ethyl Acetate	6.93	43	100895	20.068	ug/l	98
38) Carbon Tetrachloride	7.78	117	115725	19.837	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139999	18.837	ug/l	99
40) Benzene	8.04	78	380171	19.769	ug/l	98
41) Methacrylonitrile	7.17	41	44477	16.874	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	130580	19.463	ug/l	98
43) Isopropyl Acetate	8.17	43	170483	20.940	ug/l #	89
44) Trichloroethene	8.84	130	94442	19.430	ug/l	99
45) 1,2-Dichloropropane	9.12	63	104867	19.318	ug/l	99
46) Dibromomethane	9.21	93	61973	19.943	ug/l	96
47) Bromodichloromethane	9.40	83	123153	19.797	ug/l	96
48) Methyl methacrylate	9.20	41	77102	19.524	ug/l	96
49) 1,4-Dioxane	9.20	88	18092	396.700	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	466499	99.577	ug/l	100
52) Toluene	10.16	92	222262	19.715	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	112462	19.699	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	139257	19.656	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	84343	20.293	ug/l	94
56) Ethyl methacrylate	10.43	69	105820	20.438	ug/l	99
57) 1,3-Dichloropropane	10.71	76	145679	20.146	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	163275	89.427	ug/l	100
59) 2-Hexanone	10.75	43	300445	101.531	ug/l	99
60) Dibromochloromethane	10.90	129	82664	19.309	ug/l	100
61) 1,2-Dibromoethane	11.00	107	76654	19.616	ug/l	98
64) Tetrachloroethene	10.63	164	90004	19.351	ug/l	95
65) Chlorobenzene	11.43	112	223853	19.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85062	19.722	ug/l	100
67) Ethyl Benzene	11.51	91	406339	19.602	ug/l	99
68) m/p-Xylenes	11.62	106	299434	40.275	ug/l	99
69) o-Xylene	11.95	106	146695	19.882	ug/l	100
70) Styrene	11.96	104	234340	20.490	ug/l	100
71) Bromoform	12.13	173	49874	19.378	ug/l #	98
73) Isopropylbenzene	12.25	105	392620	21.386	ug/l	100
74) N-amyl acetate	12.07	43	111735	20.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	102647	22.059	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	89502m	20.474	ug/l	
77) Bromobenzene	12.52	156	91443	19.223	ug/l	99
78) n-propylbenzene	12.59	91	419740	19.424	ug/l	100
79) 2-Chlorotoluene	12.67	91	260763	19.110	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	318346	19.735	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20512	17.787	ug/l	94
82) 4-Chlorotoluene	12.77	91	247082	19.681	ug/l	99
83) tert-Butylbenzene	12.99	119	273178	21.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	304013	19.972	ug/l	99
85) sec-Butylbenzene	13.17	105	350615	19.213	ug/l	99
86) p-Isopropyltoluene	13.29	119	297923	19.816	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	145862	19.974	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136332	19.176	ug/l	99
89) n-Butylbenzene	13.61	91	208169	18.680	ug/l	99
90) Hexachloroethane	13.87	117	49005	18.379	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	147980	19.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12649	19.331	ug/l	97

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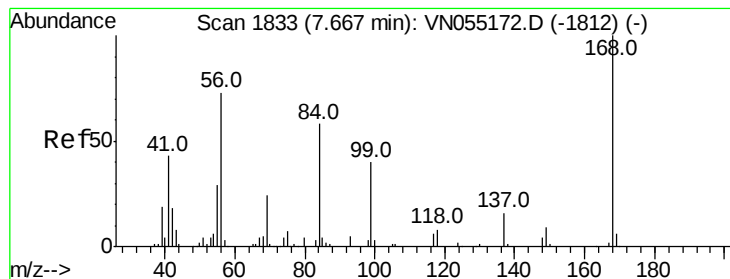
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49043	17.367	ug/l	98
94) Hexachlorobutadiene	15.01	225	48714	20.964	ug/l	99
95) Naphthalene	15.13	128	104204	17.414	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52160	17.994	ug/l	97

(#) = 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: VN055181.D

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ClientSampleId :

VN0422WBS01

Tot Ion:168 Resp: 409601

Ion Ratio Lower Upper

168 100

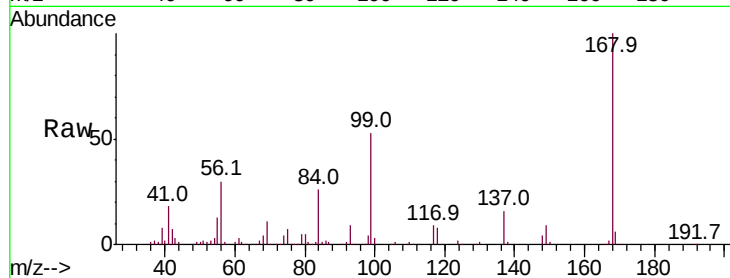
99 52.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

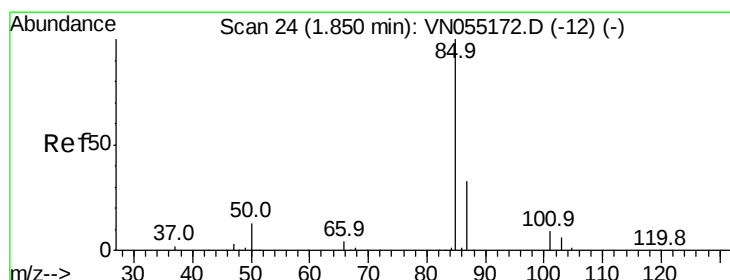
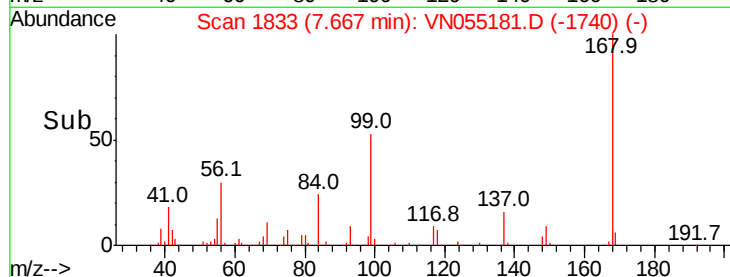
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 22.032 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055181.D

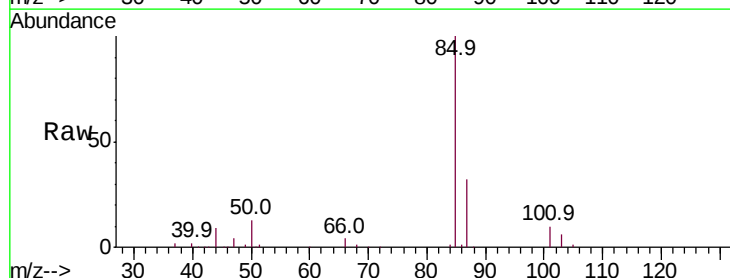
Acq: 22 Apr 2019 15:11

Tgt Ion: 85 Resp: 116193

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

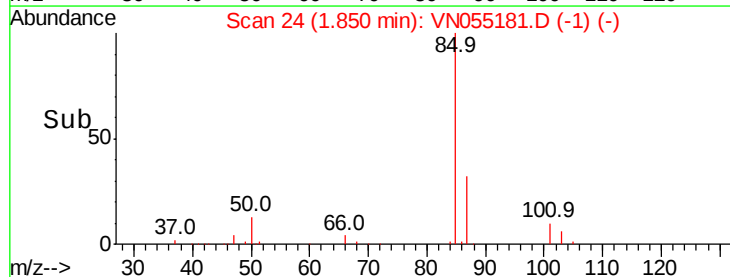
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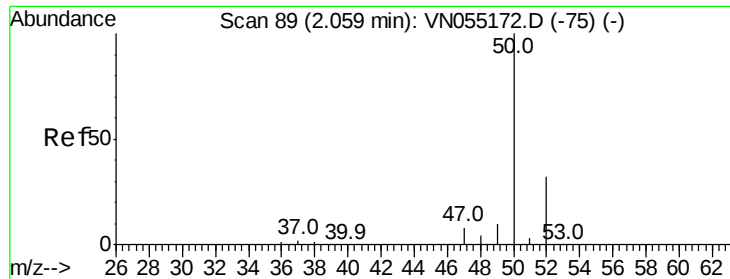
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Time-->





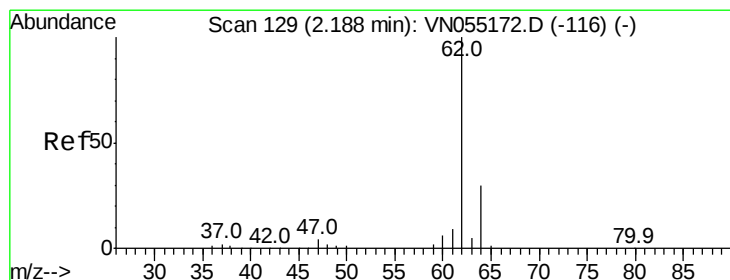
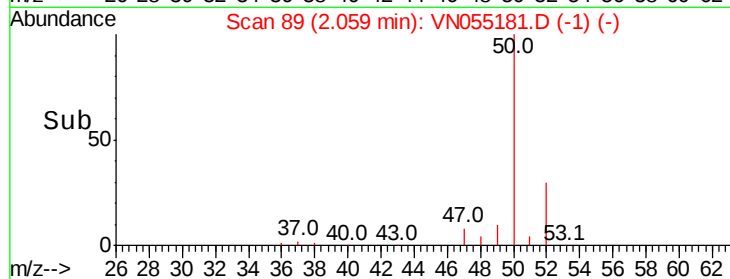
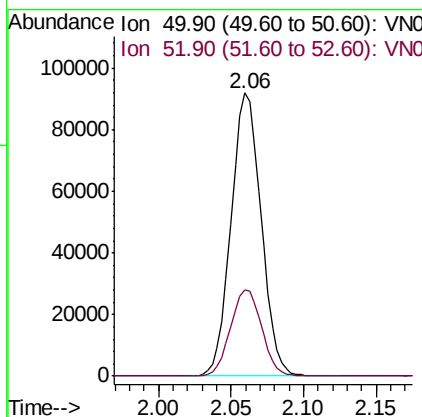
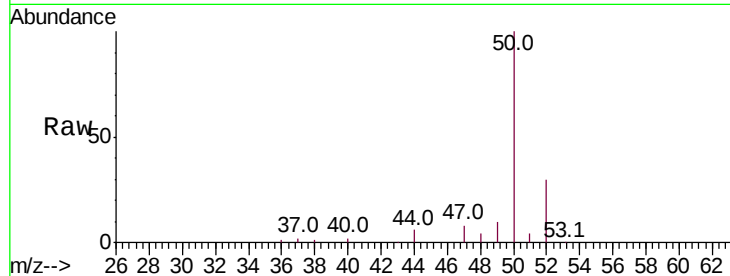
#3
Chloromethane
Concen: 20.555 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
50	100		
52	30.5	25.8	38.6

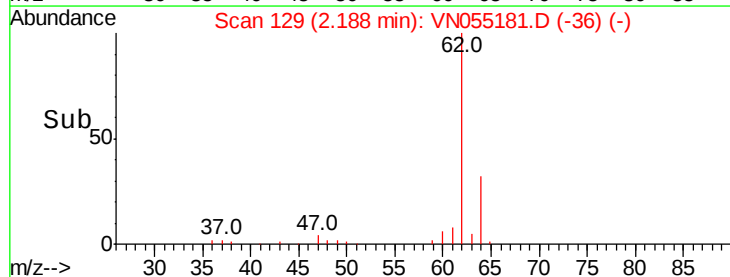
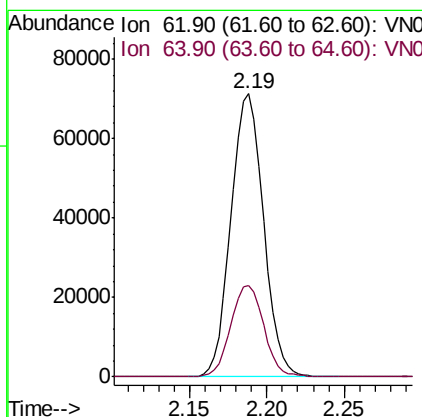
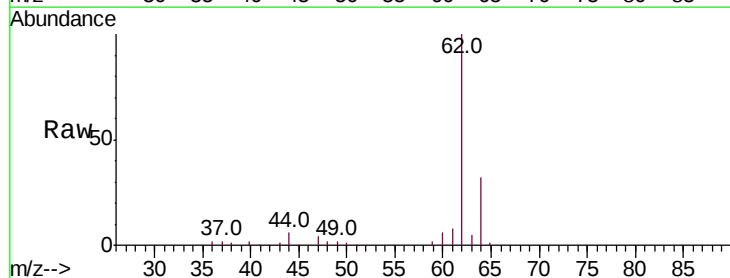
Manual Integrations
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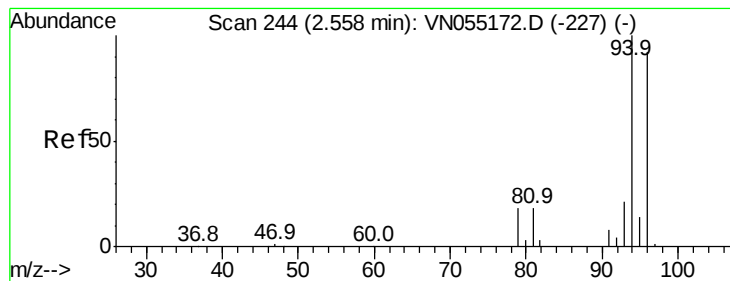
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#4
Vinyl Chloride
Concen: 20.151 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.2	36.4





#5

Bromomethane

Concen: 19.066 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 94 Resp: 57254

Ion Ratio Lower Upper

94 100

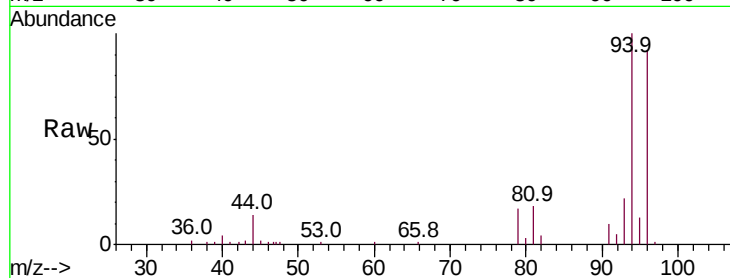
96 91.6 73.4 110.2

Manual Integrations

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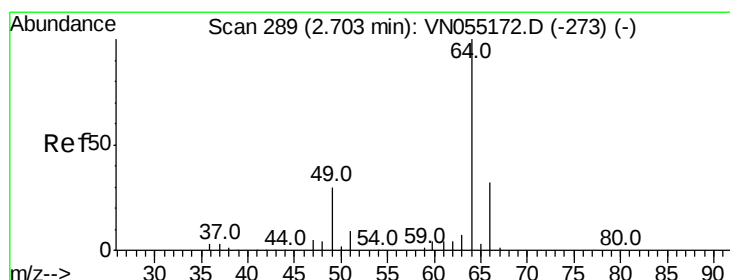
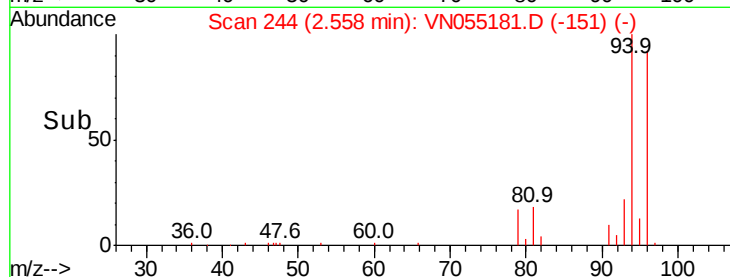
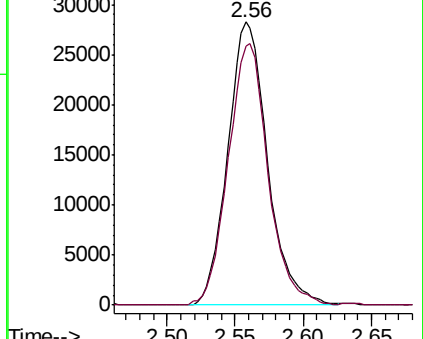
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.359 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055181.D

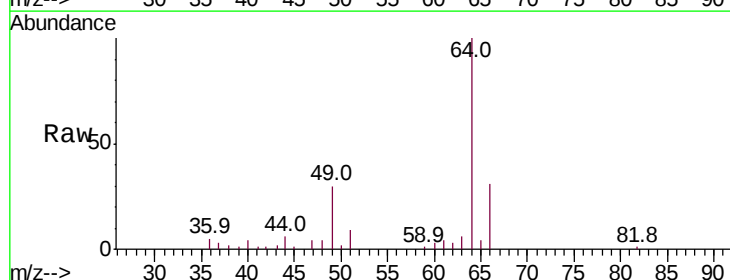
Acq: 22 Apr 2019 15:11

Tgt Ion: 64 Resp: 52834

Ion Ratio Lower Upper

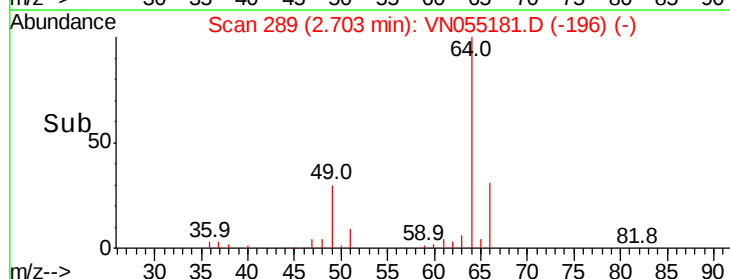
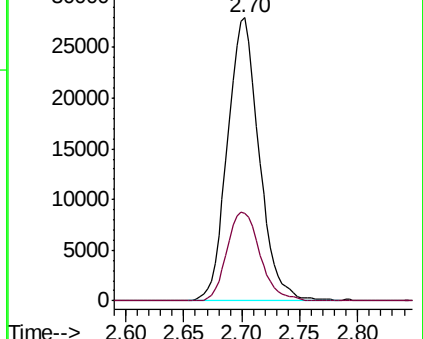
64 100

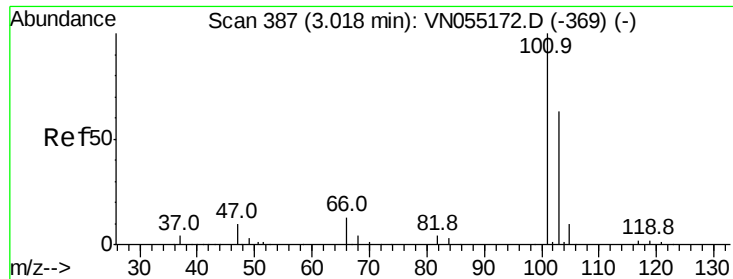
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

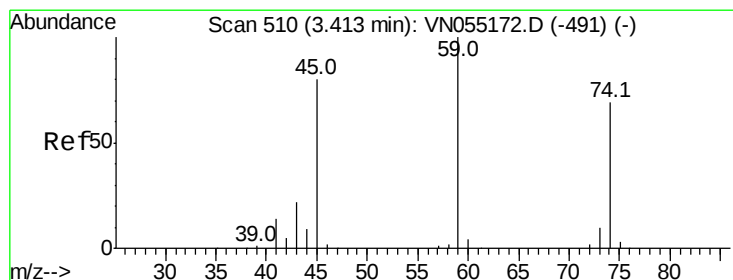
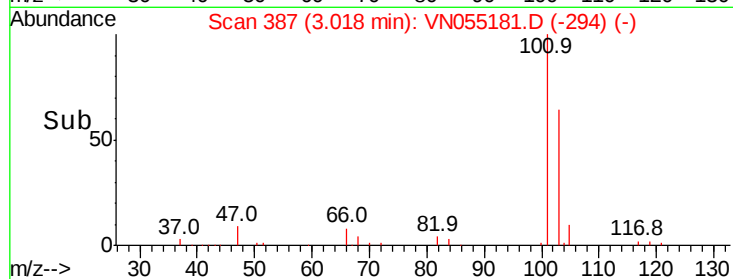
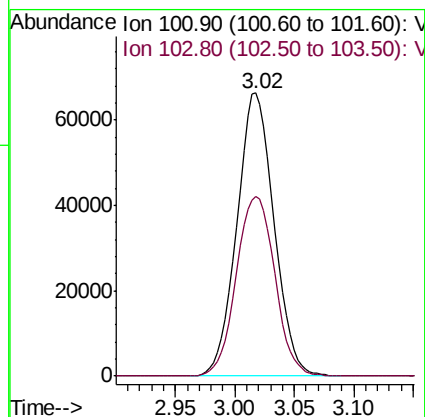
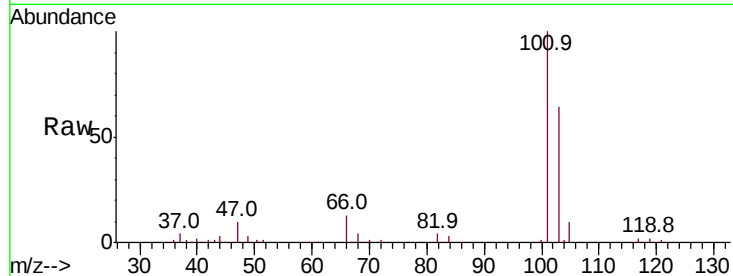
Trichlorofluoromethane
 Concen: 20.344 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.1	75.1

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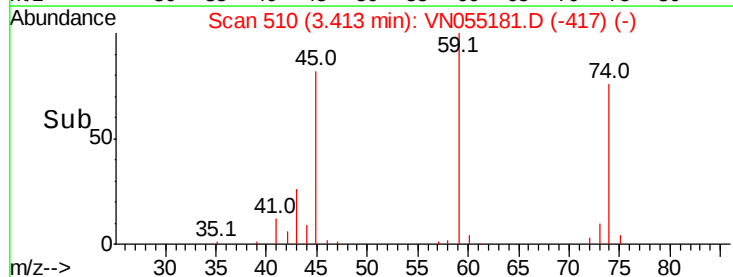
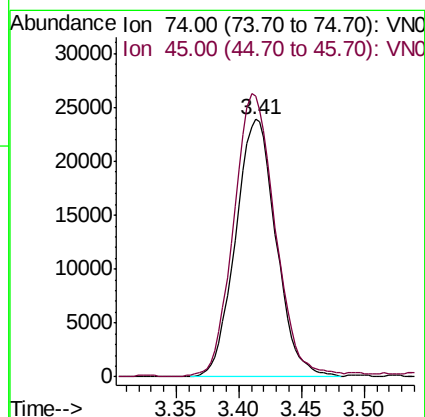
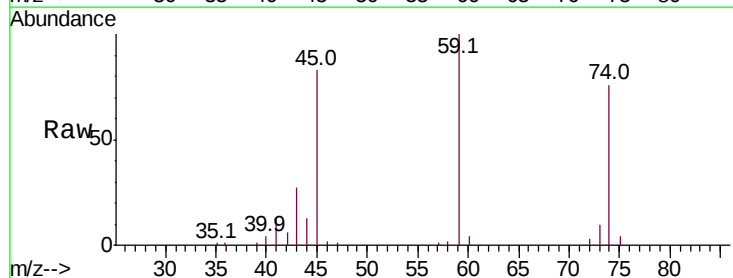
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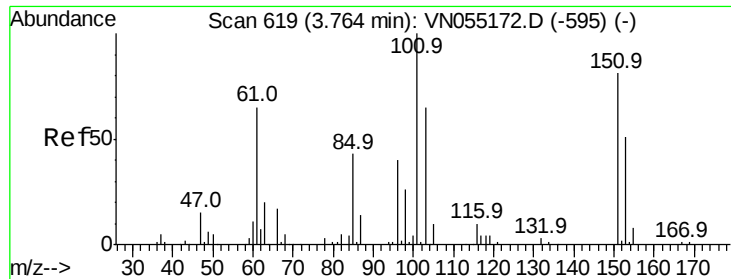


#8

Diethyl Ether
 Concen: 21.370 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.0	56.9	170.6





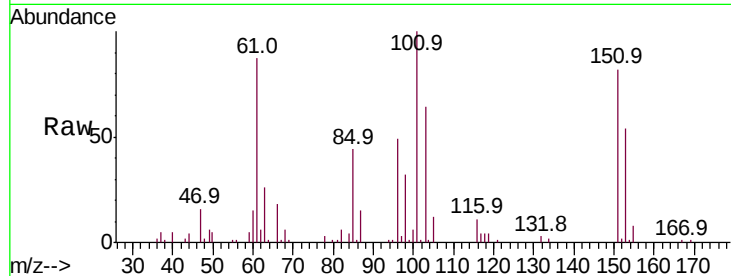
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.913 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN055181.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.7	34.9	52.3
151	79.0	63.8	95.8

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 4/23/2019 1:47:27 PM

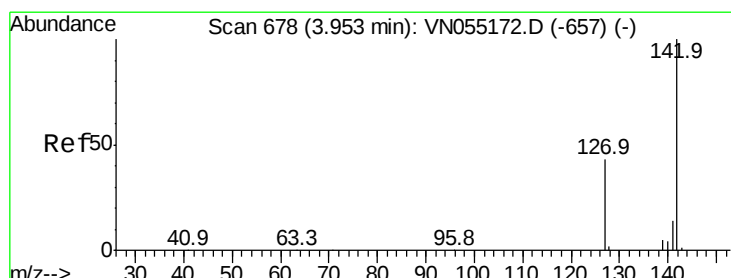
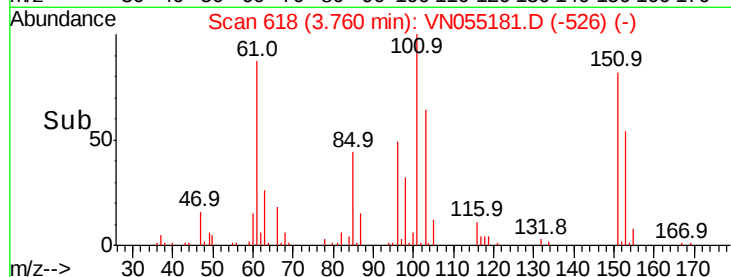
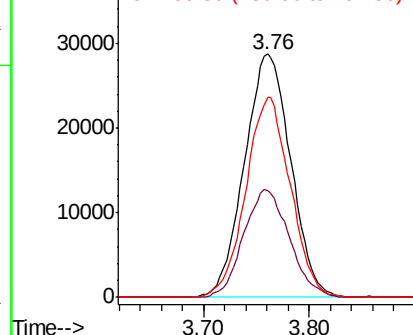


Abundance

Ion 100.90 (100.60 to 101.60): V

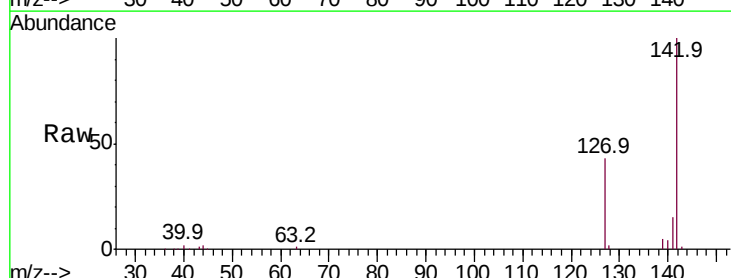
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 20.565 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	34.1	51.1
141	14.9	11.4	17.2

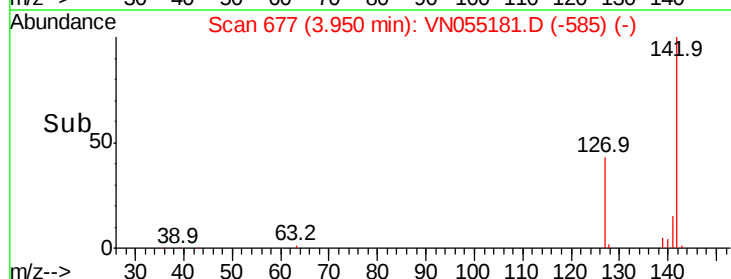
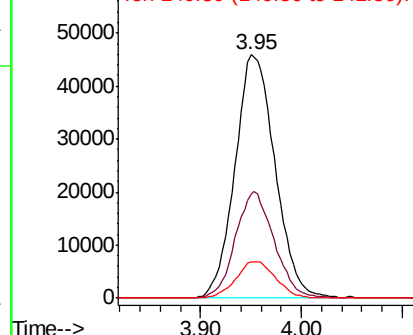


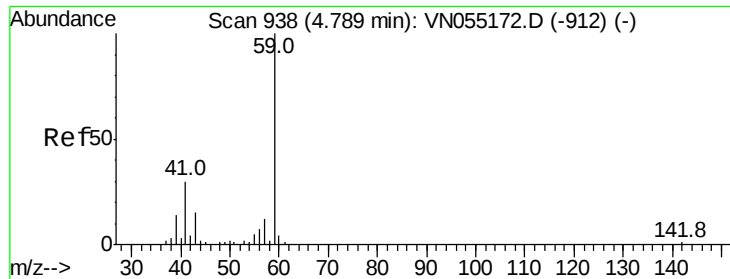
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

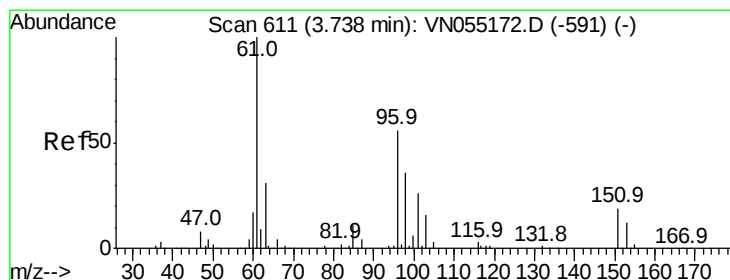
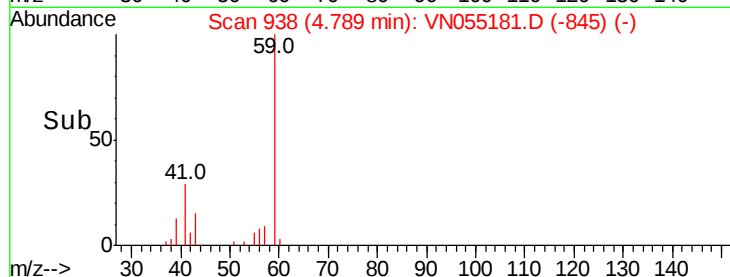
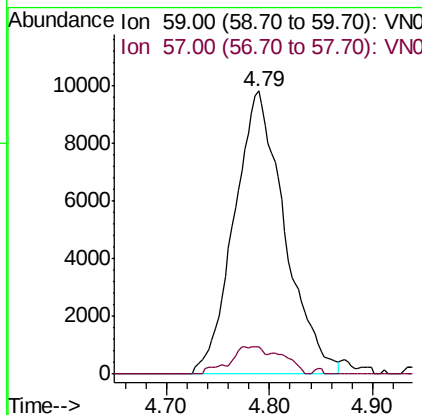
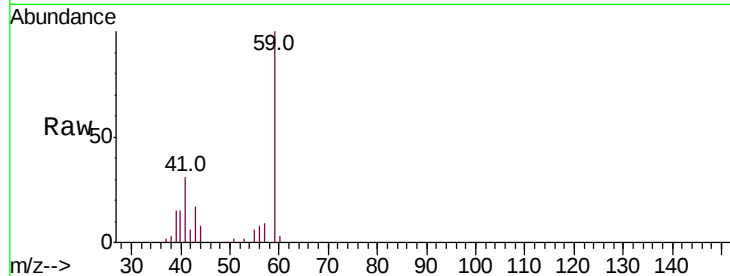
Tert butyl alcohol
Concen: 103.028 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

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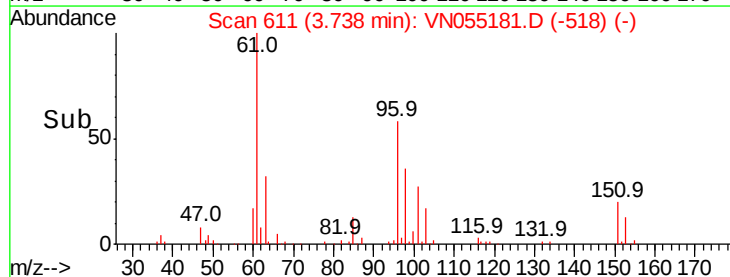
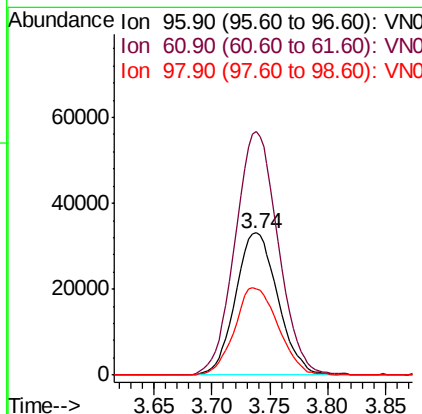
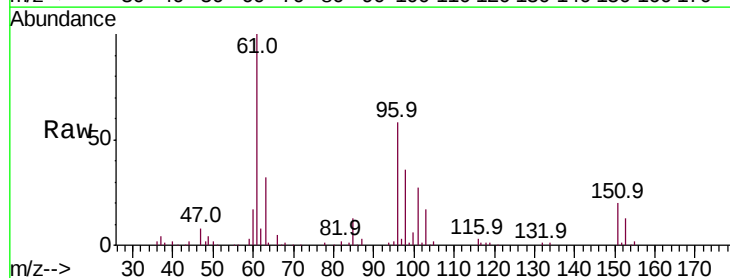
MMDadoda
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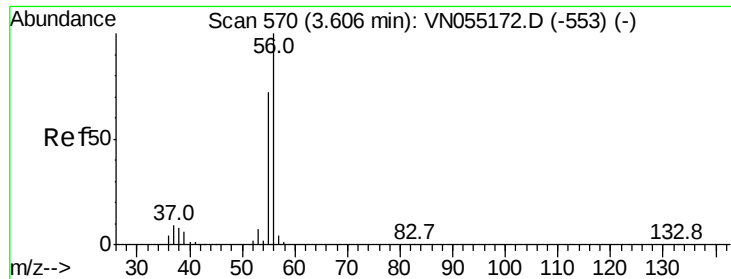


#12

1,1-Dichloroethene
Concen: 19.936 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.2	142.1	213.1
98	61.0	51.2	76.8





#13

Acrolein

Concen: 107.332 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 56 Resp: 49340

Ion Ratio Lower Upper

56 100

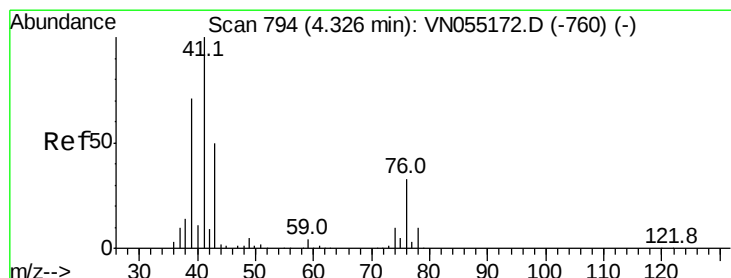
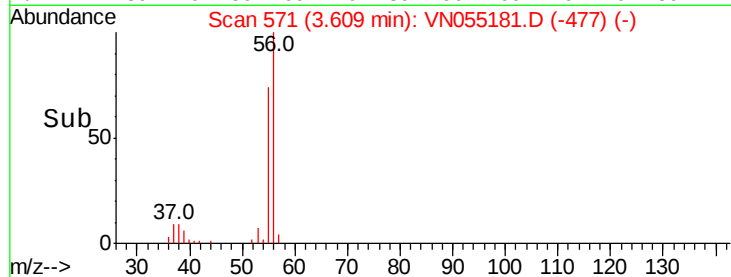
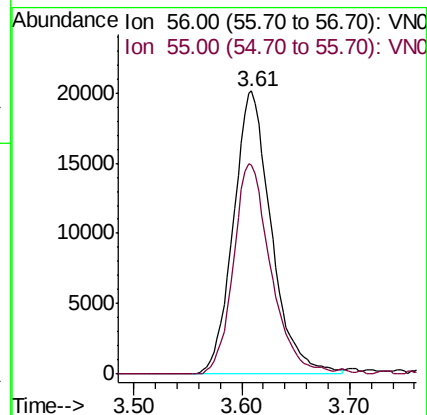
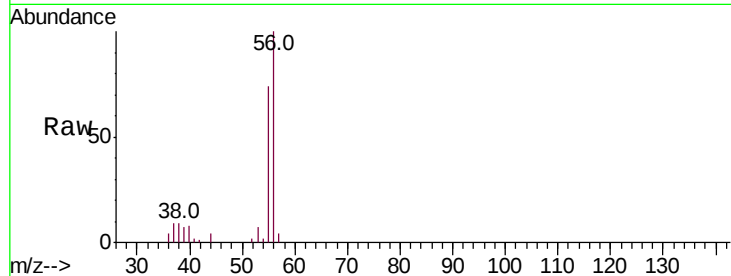
55 73.0 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.053 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

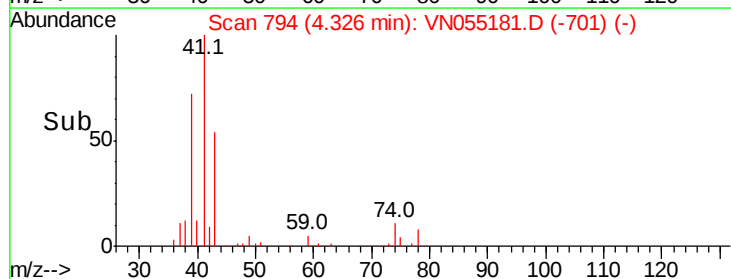
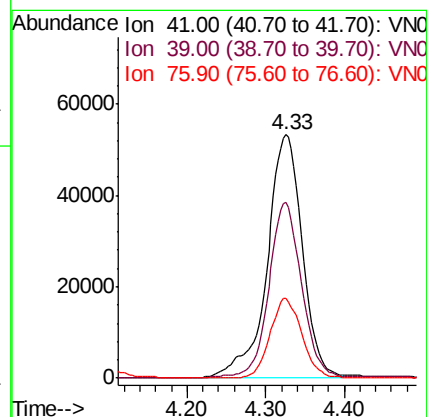
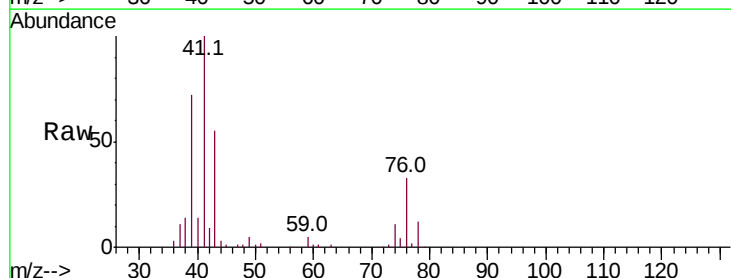
Tgt Ion: 41 Resp: 167057

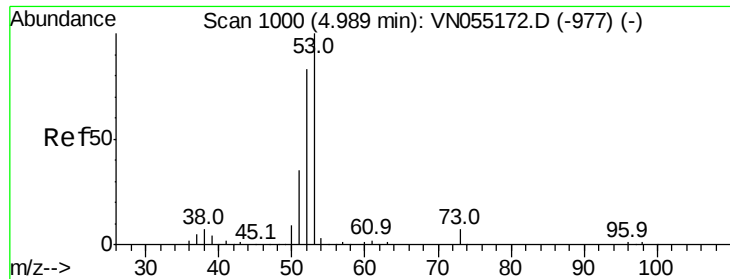
Ion Ratio Lower Upper

41 100

39 67.1 52.9 79.3

76 29.5 23.6 35.4





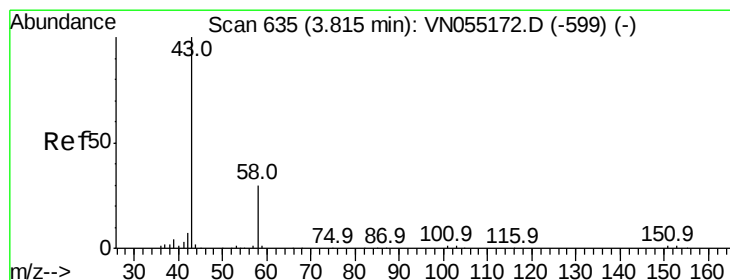
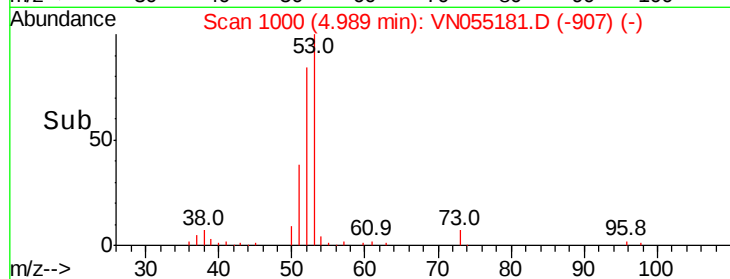
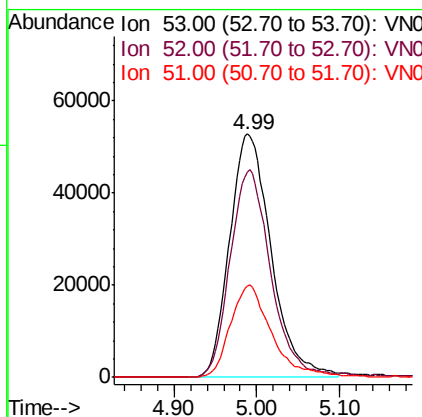
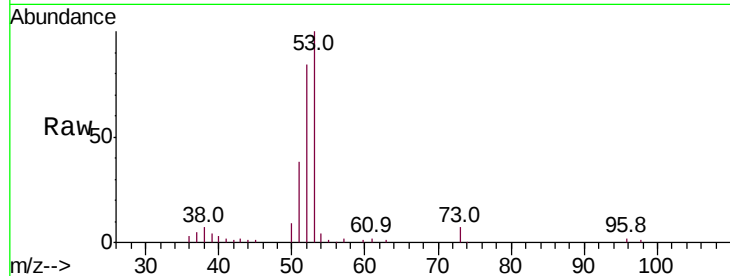
#15
 Acrylonitrile
 Concen: 103.767 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.8	98.8
51	37.3	28.9	43.3

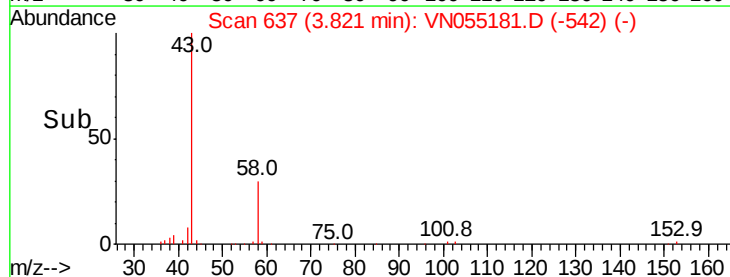
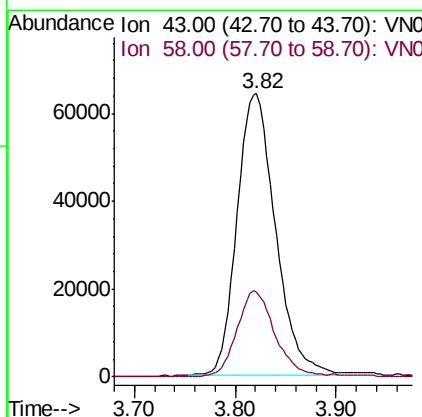
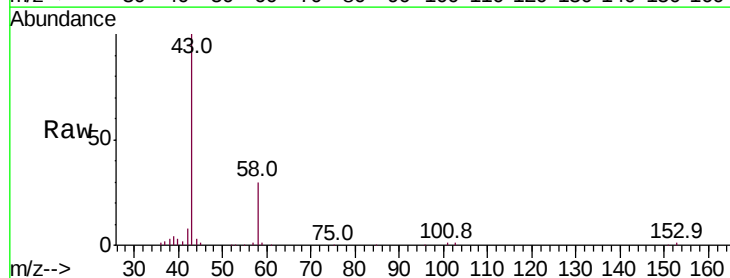
Manual Integrations
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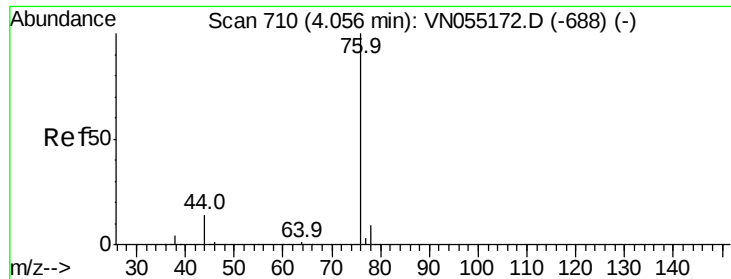
MMDadoda
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#16
 Acetone
 Concen: 92.156 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.8	35.8





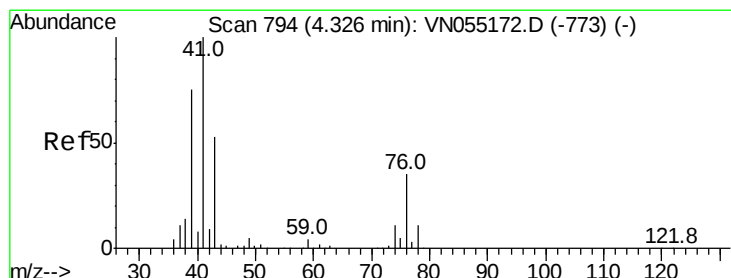
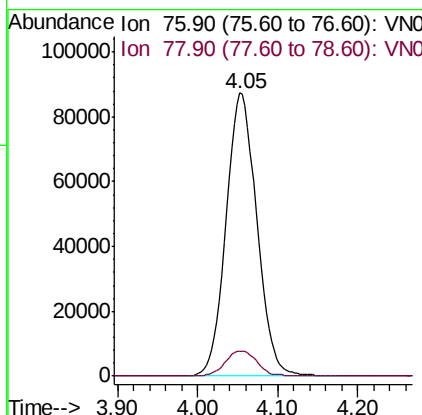
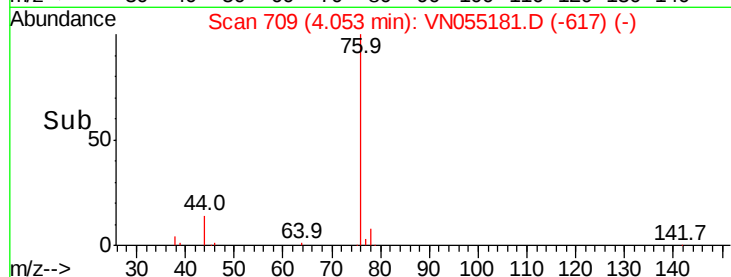
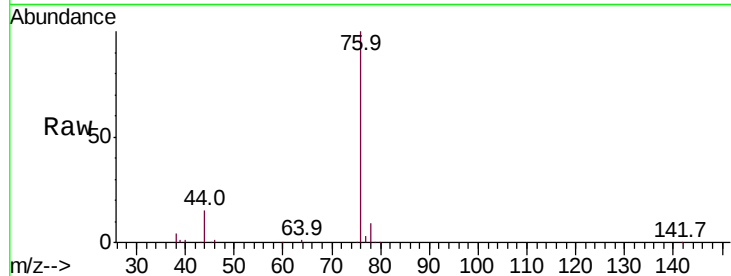
#17
Carbon Disulfide
Concen: 19.428 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion: 76 Resp: 228884
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

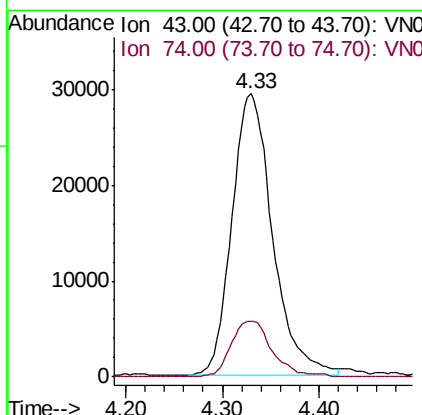
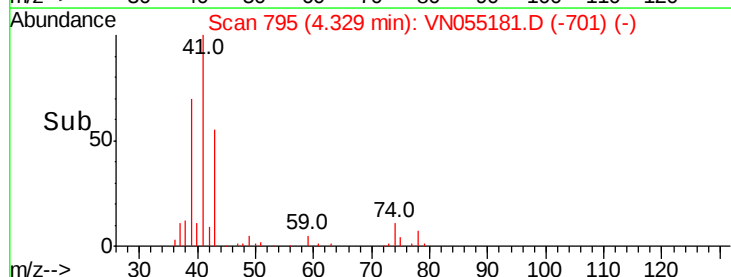
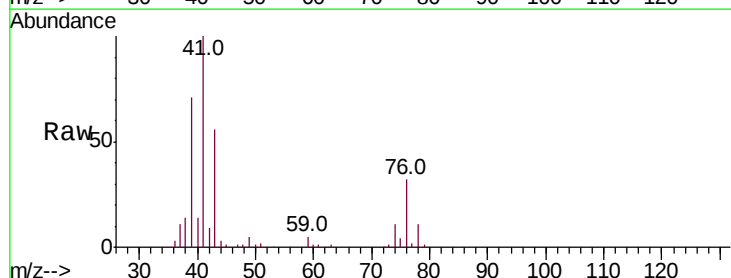
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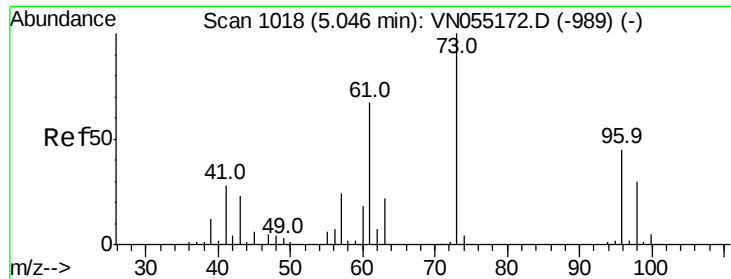
MMDadoda
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#18
Methyl Acetate
Concen: 21.115 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 43 Resp: 85721
Ion Ratio Lower Upper
43 100
74 20.1 16.7 25.1





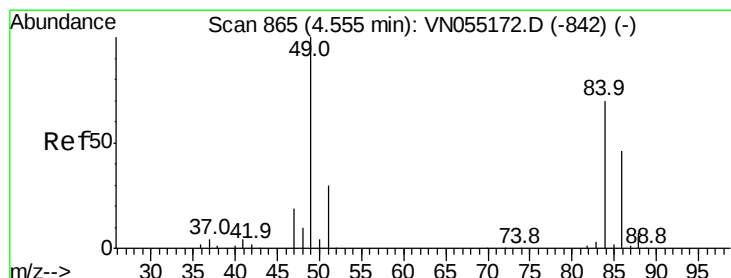
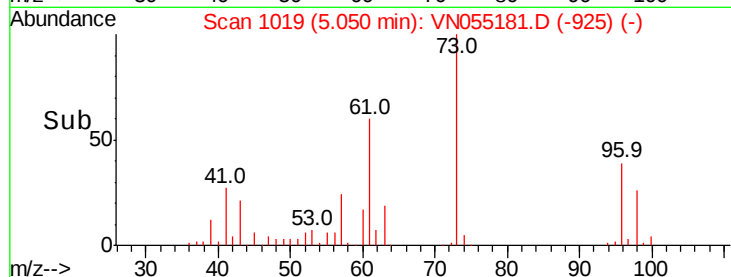
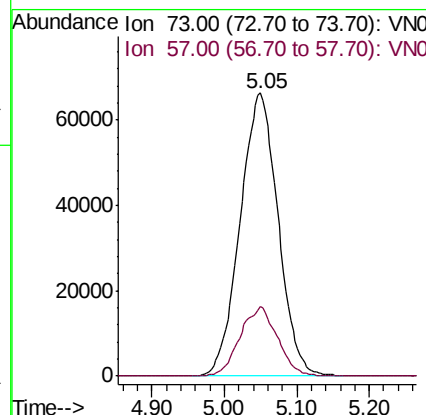
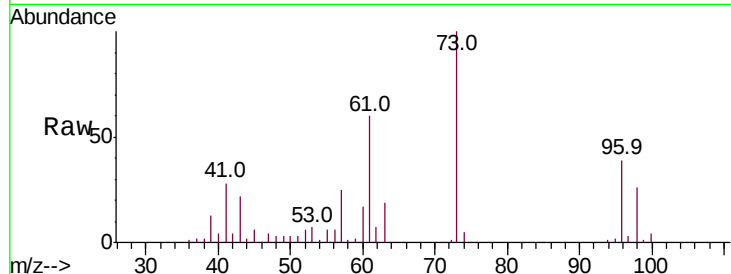
#19
Methvl tert-butvl Ether
Concen: 20.748 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion: 73 Resp: 241736
Ion Ratio Lower Upper
73 100
57 24.5 19.5 29.3

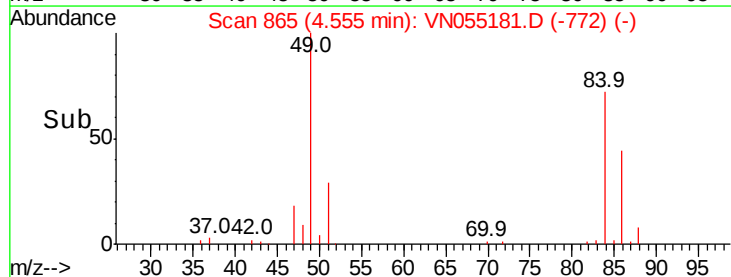
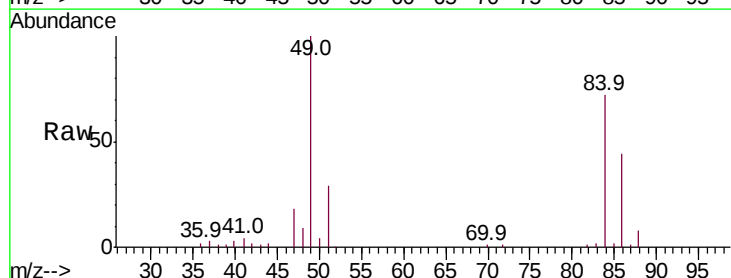
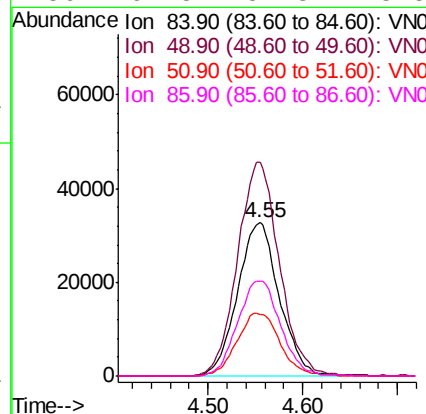
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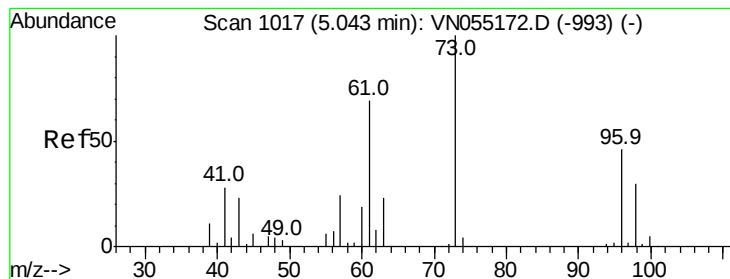
MMDadoda
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#20
Methylene Chloride
Concen: 18.994 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 84 Resp: 100076
Ion Ratio Lower Upper
84 100
49 139.3 113.8 170.6
51 40.4 34.0 51.0
86 61.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.976 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 96 Resp: 88272

Ion Ratio Lower Upper

96 100

61 155.5 119.3 178.9

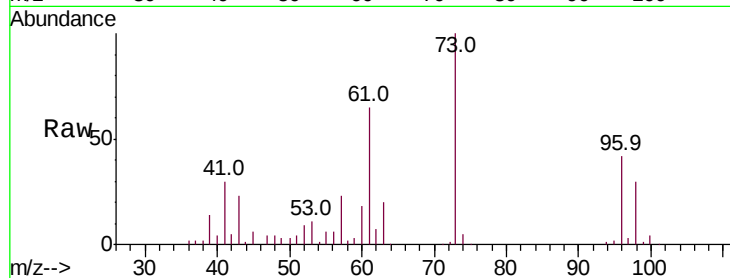
98 70.7 53.0 79.4

Manual Integrations

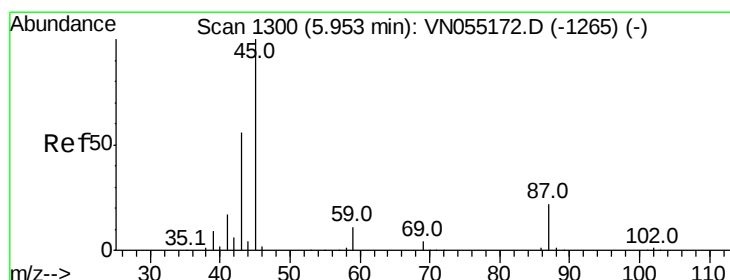
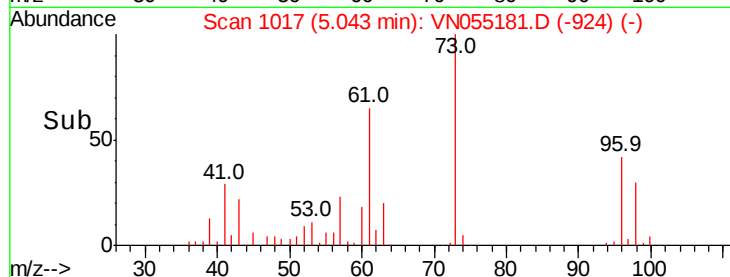
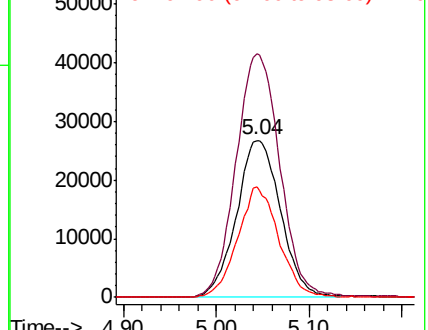
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.197 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion: 45 Resp: 335389

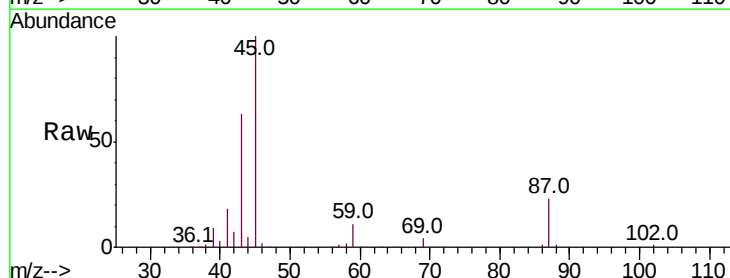
Ion Ratio Lower Upper

45 100

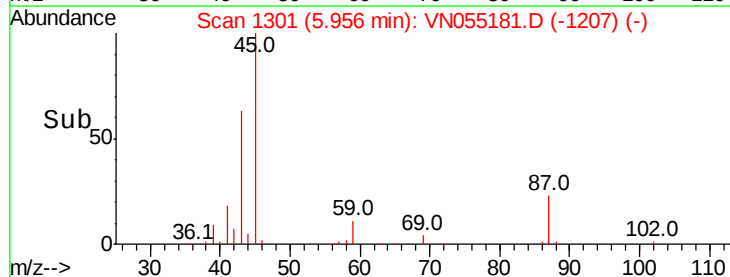
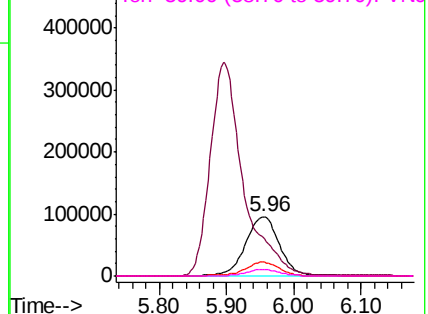
43 60.8 47.4 71.0

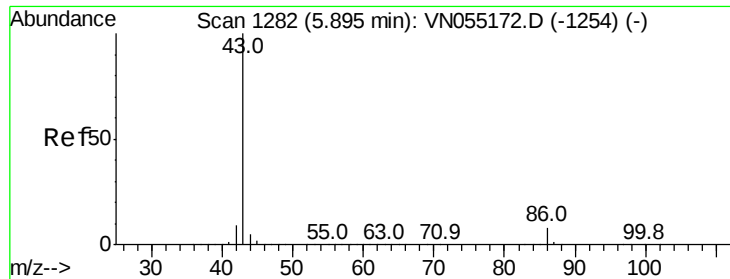
87 23.1 18.4 27.6

59 11.0 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





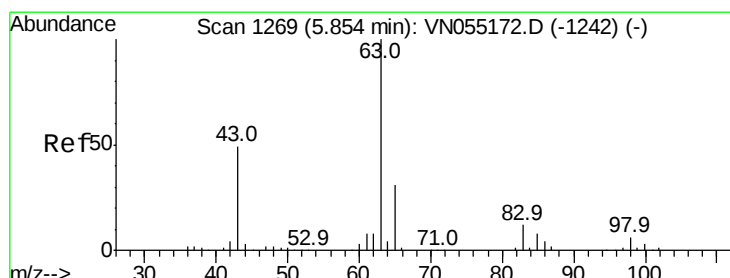
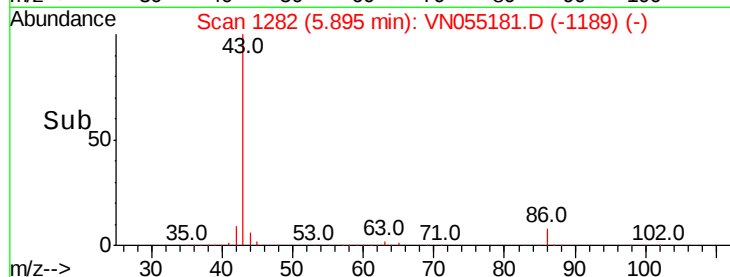
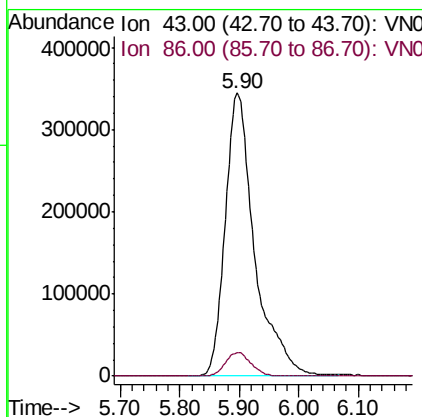
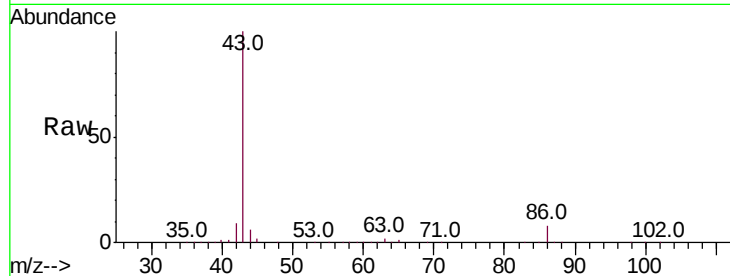
#23
 Vinyl Acetate
 Concen: 106.347 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion: 43 Resp: 1186737
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.8 10.2

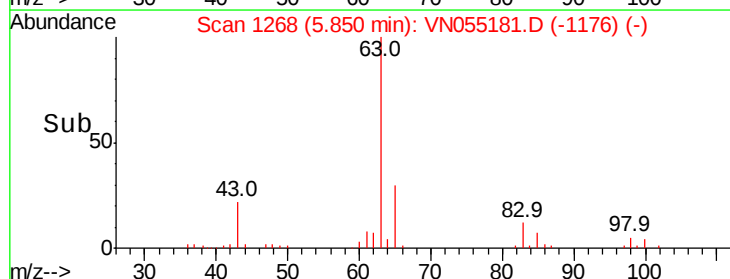
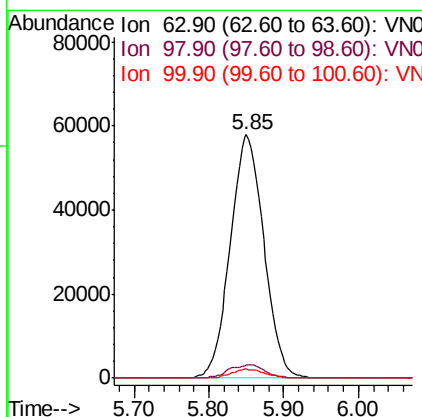
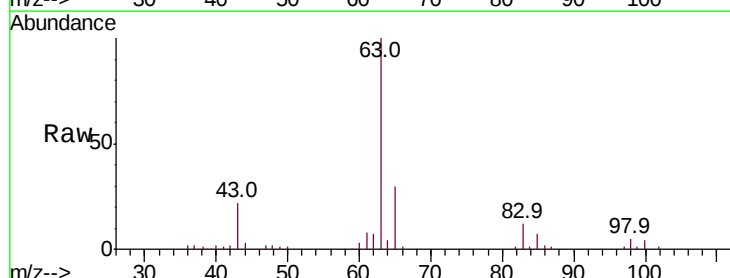
Manual Integrations
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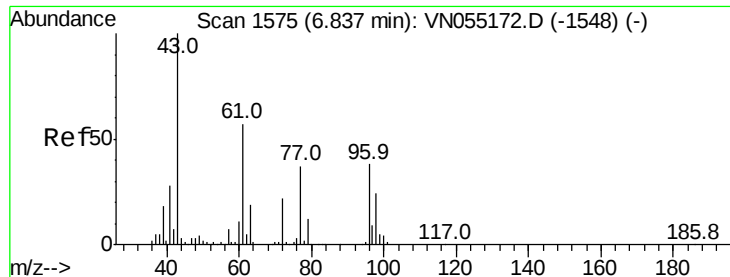
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 4/23/2019 1:47:27 PM



#24
 1,1-Dichloroethane
 Concen: 20.256 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion: 63 Resp: 180927
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.1 9.3
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 99.838 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 236232

Ion Ratio Lower Upper

43 100

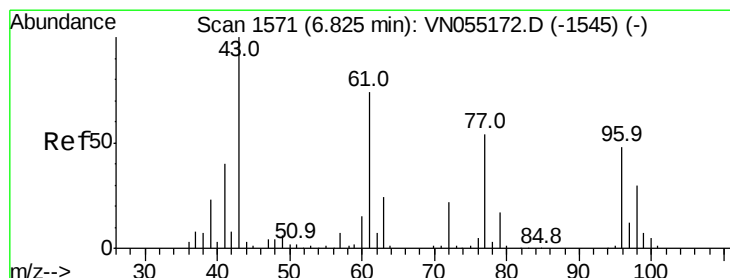
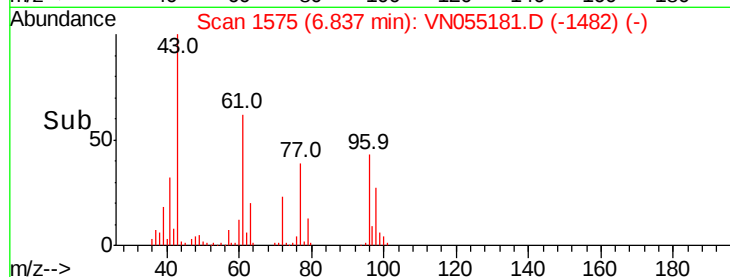
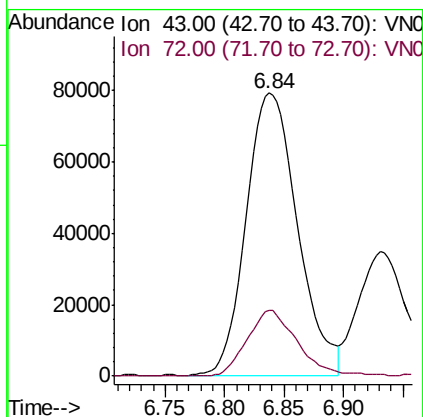
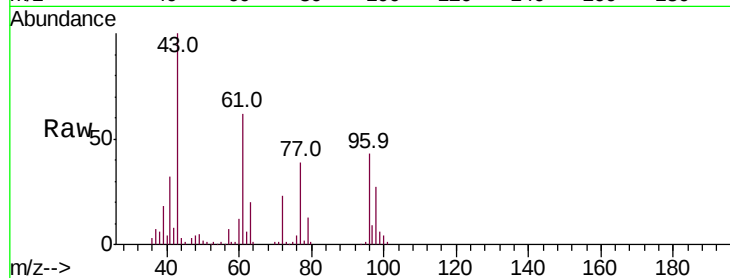
72 23.4 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.543 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055181.D

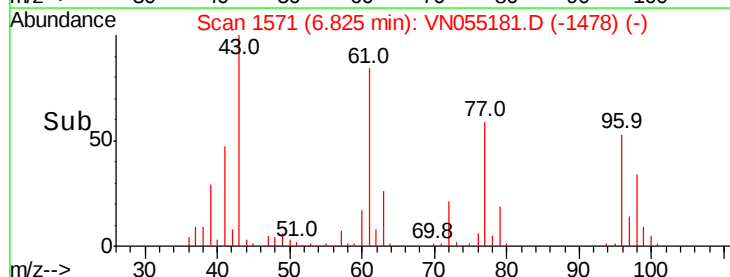
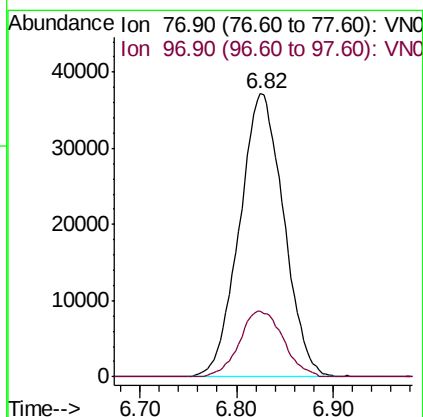
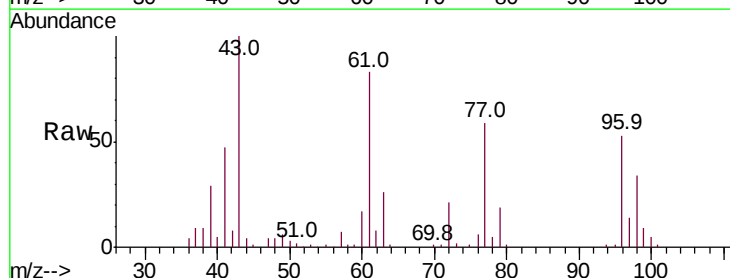
Acq: 22 Apr 2019 15:11

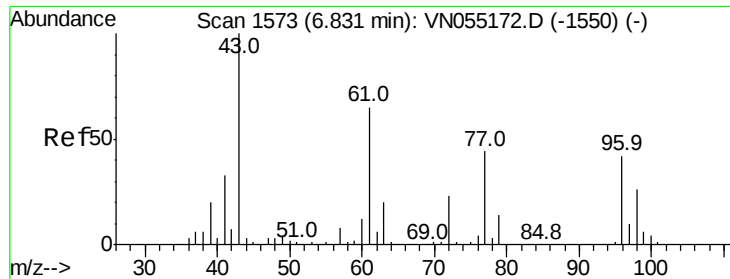
Tgt Ion: 77 Resp: 118127

Ion Ratio Lower Upper

77 100

97 23.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.201 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

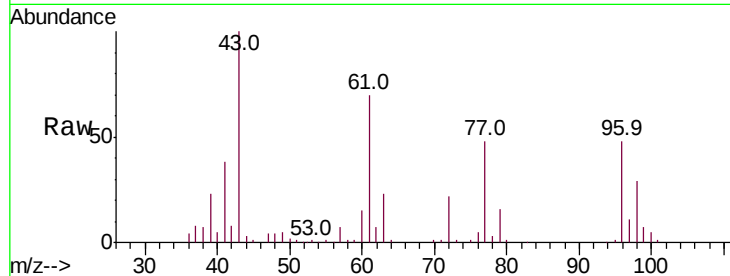
ClientSampleId :

VN0422WBS01

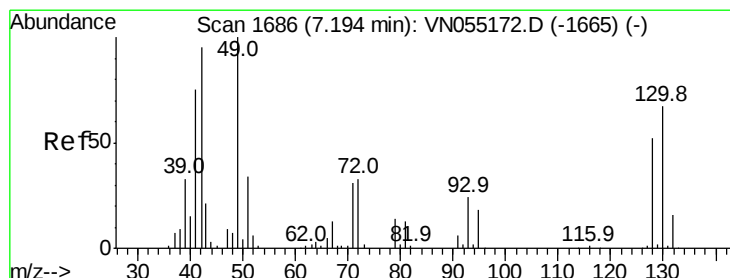
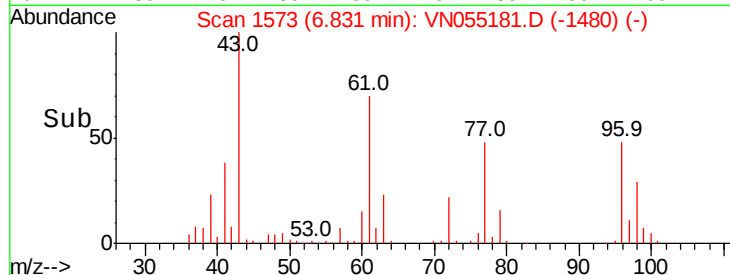
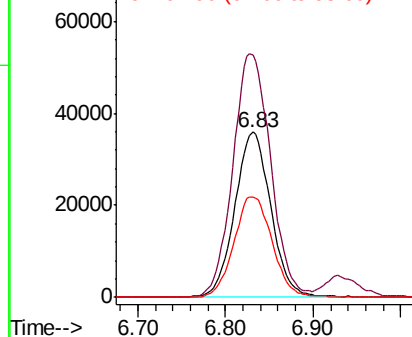
Tot Ion:	96	Resp:	102906
Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	310.8
98	64.1	0.0	127.4

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.344 ug/l

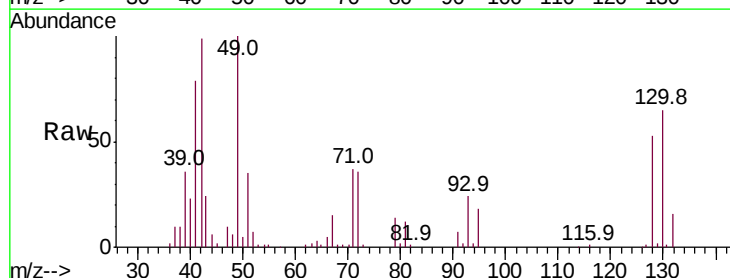
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

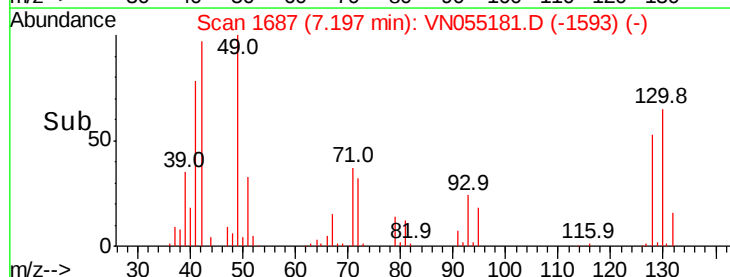
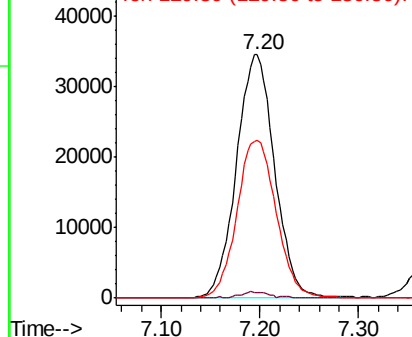
Lab File: VN055181.D

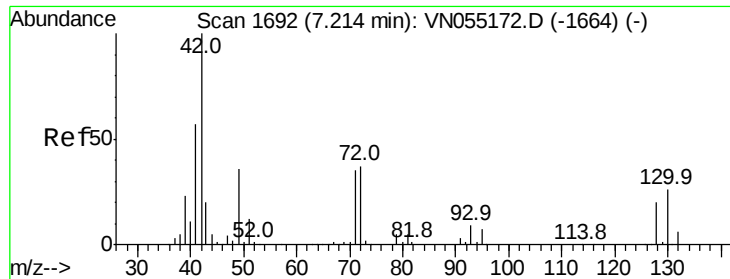
Acq: 22 Apr 2019 15:11

Tgt Ion:	49	Resp:	92630
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	66.7	53.4	80.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





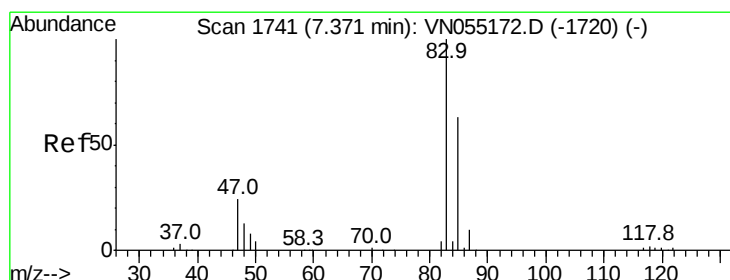
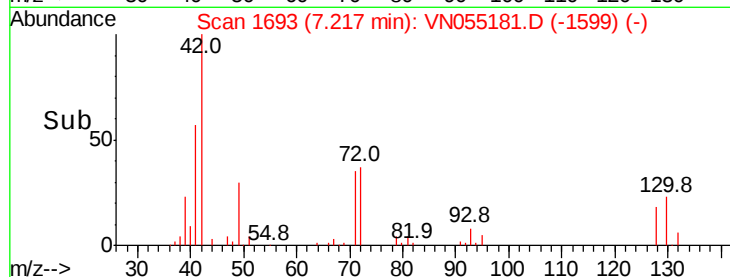
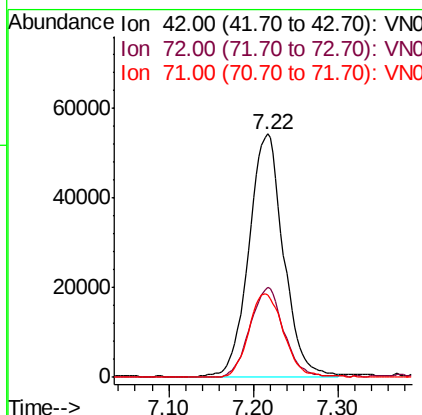
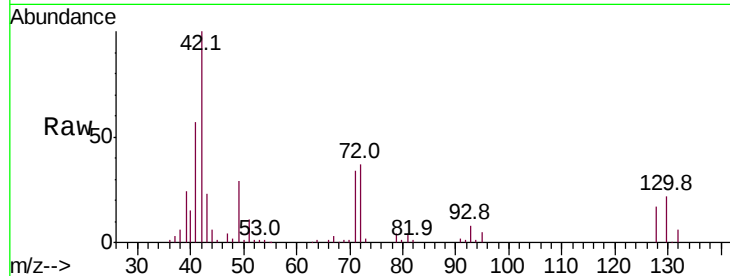
#29
Tetrahydrofuran
Concen: 107.262 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.4	44.2
71	34.7	27.8	41.8

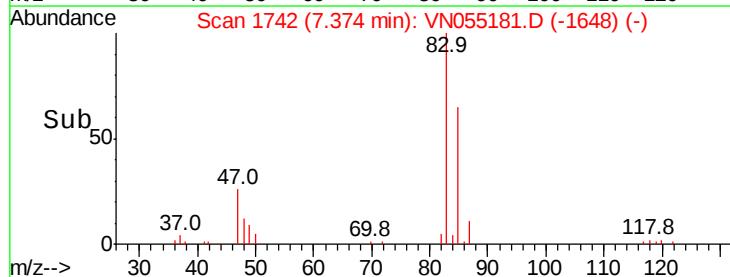
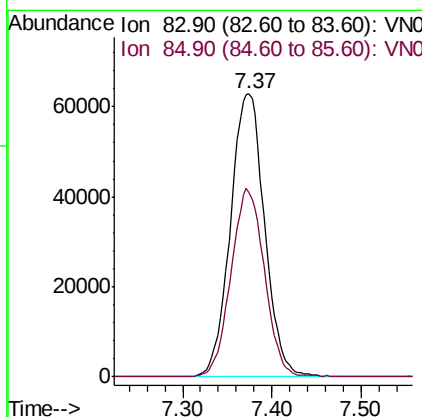
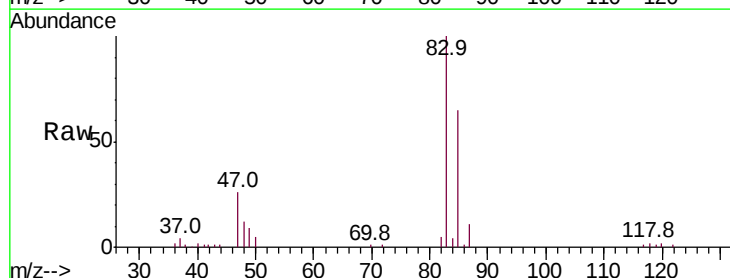
Manual Integrations
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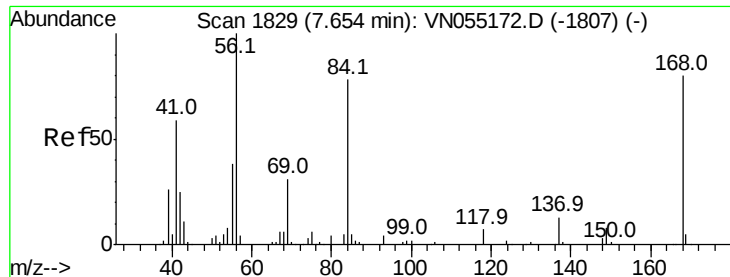
MMDadoda
4/23/2019 1:47:27 PM



#30
Chloroform
Concen: 19.659 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	76.0





#31

Cyclohexane

Concen: 20.043 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 56 Resp: 174123

Ion Ratio Lower Upper

56 100

69 36.0 24.6 37.0

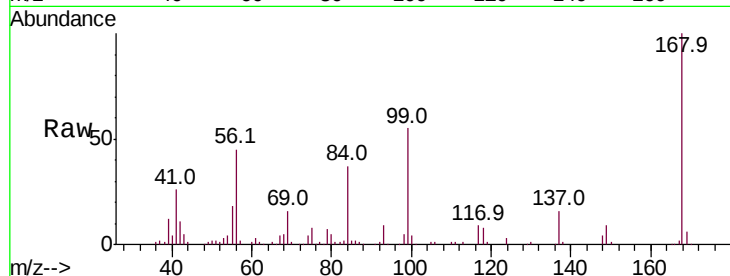
84 81.4 61.4 92.2

Manual Integrations

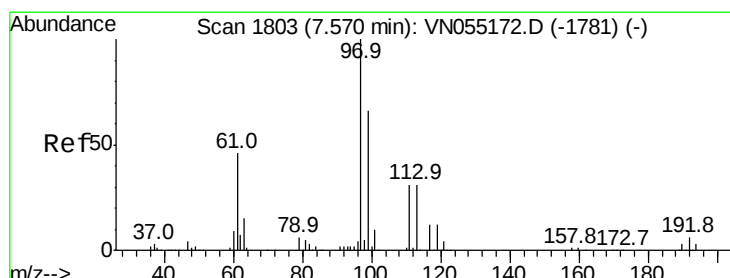
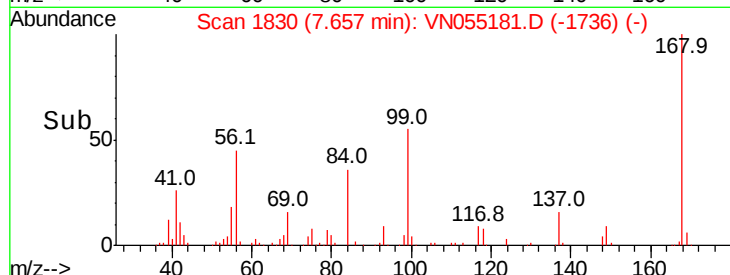
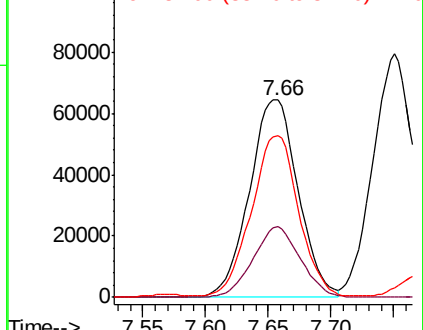
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 20.239 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

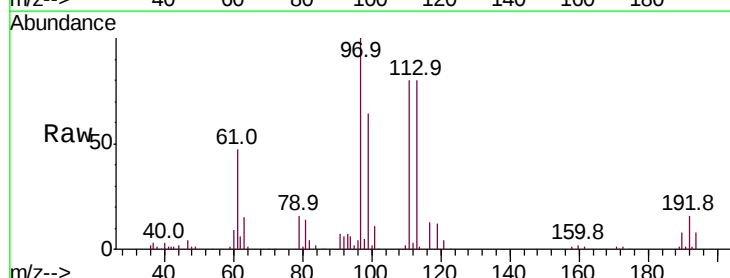
Tgt Ion: 97 Resp: 138148

Ion Ratio Lower Upper

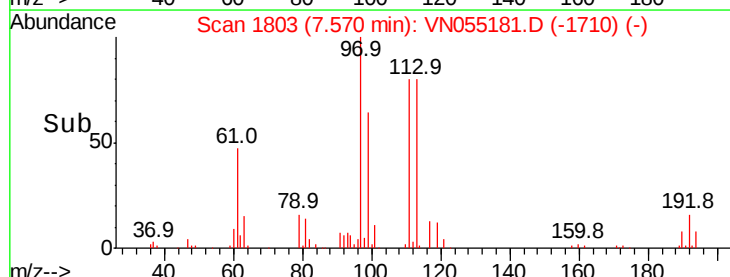
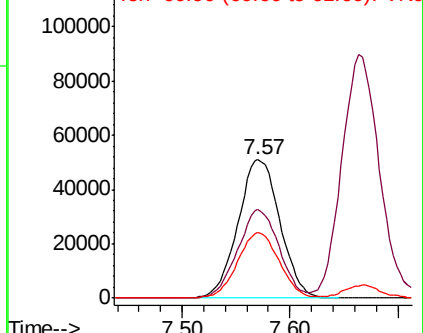
97 100

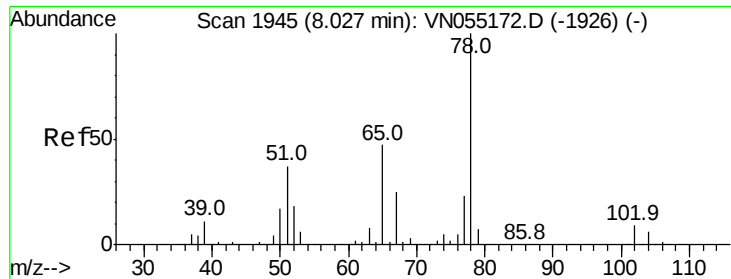
99 63.3 51.1 76.7

61 46.8 38.3 57.5



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





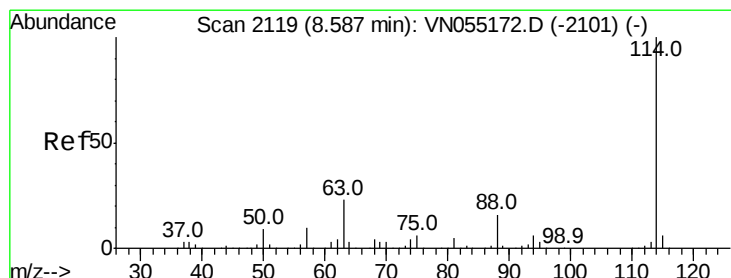
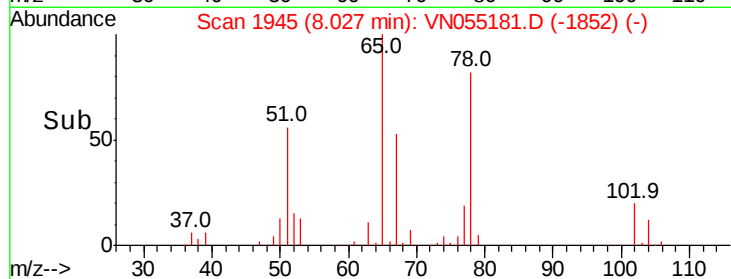
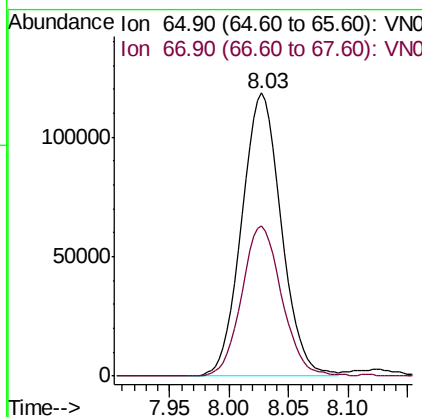
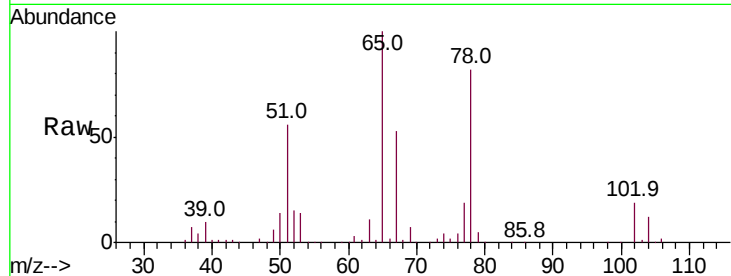
#33
 1,2-Dichloroethane-d4
 Concen: 49.372 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273722		
67	53.6	0.0	108.6	

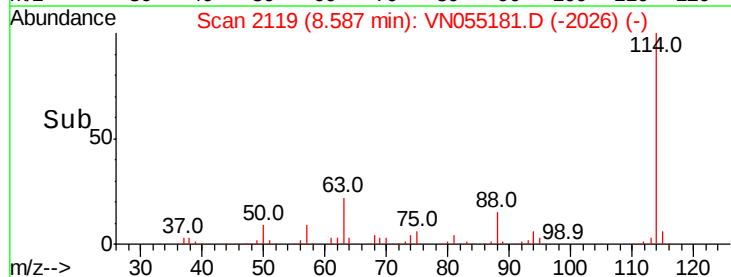
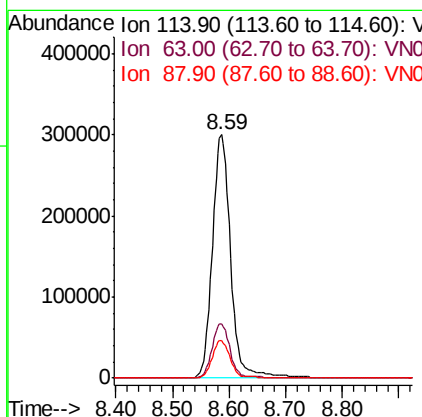
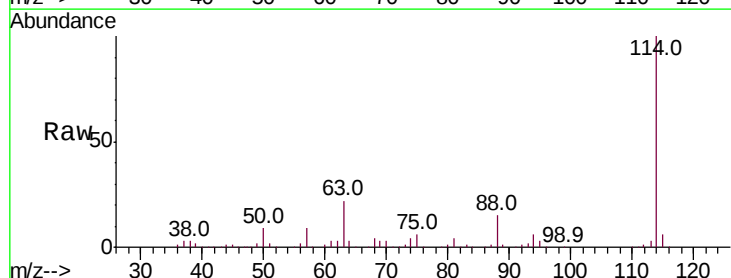
Manual Integrations
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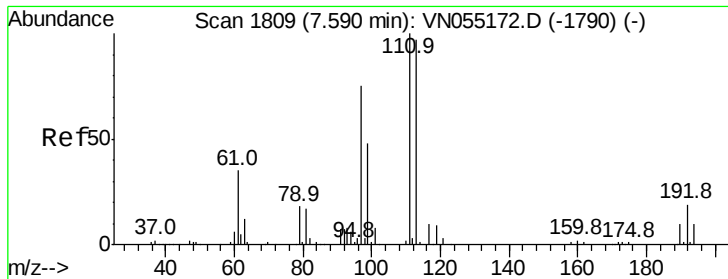
MMDadoda
 4/23/2019 1:47:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	671197		
63	22.3	0.0	45.2	
88	15.5	0.0	32.8	





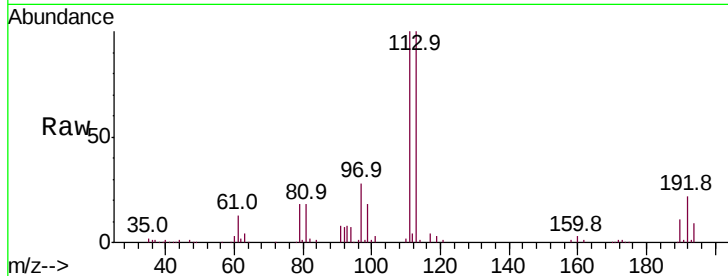
#35
Dibromofluoromethane
Concen: 48.658 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	81.0	121.4	
192	21.6	16.2	24.4	

Manual Integrations
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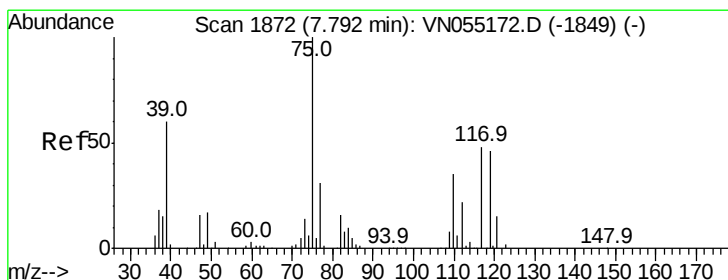
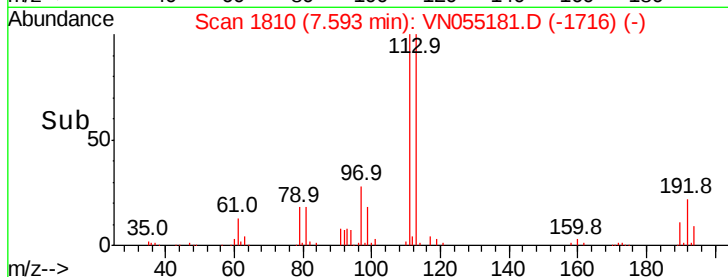
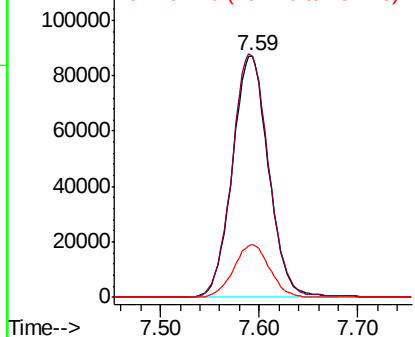


Abundance

Ion 112.80 (112.50 to 113.50): V

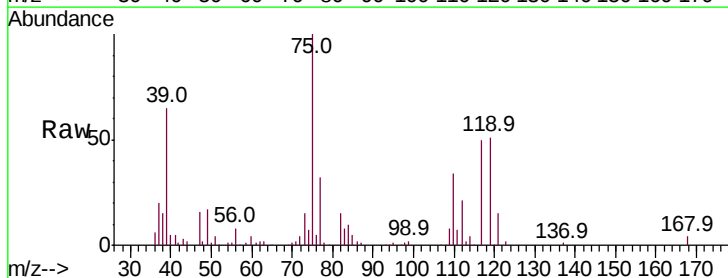
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 20.211 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.3	17.1	51.2	
77	31.4	24.6	36.8	

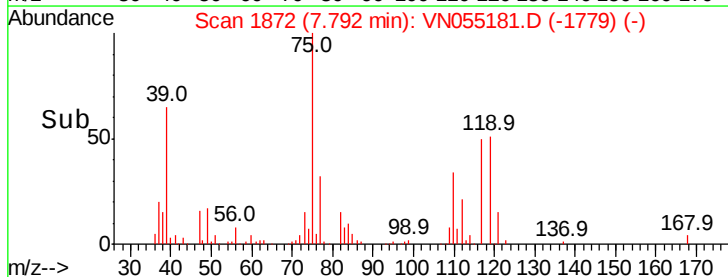
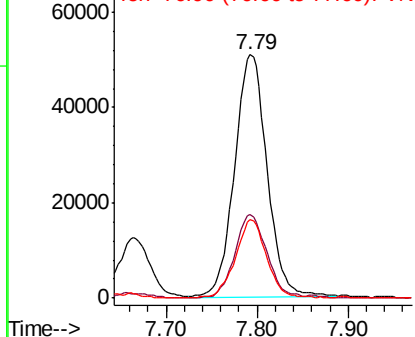


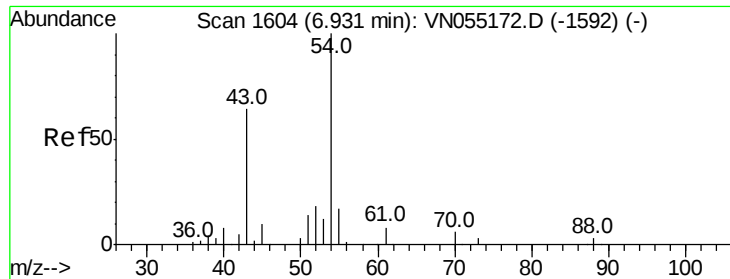
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





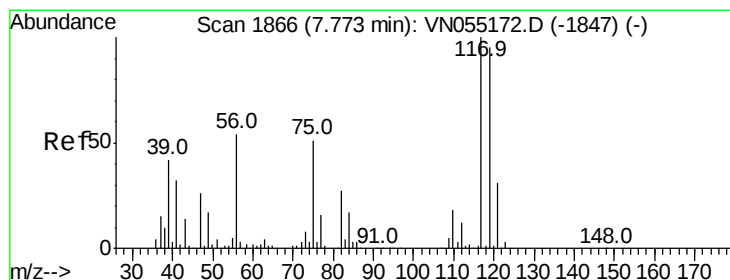
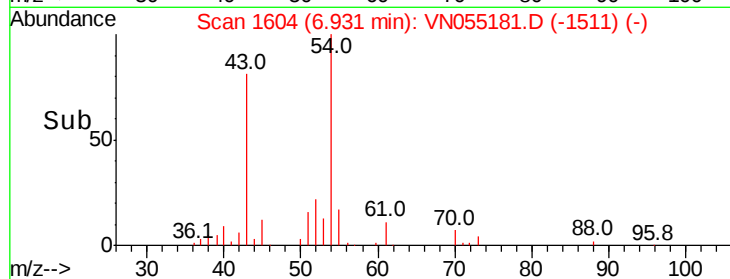
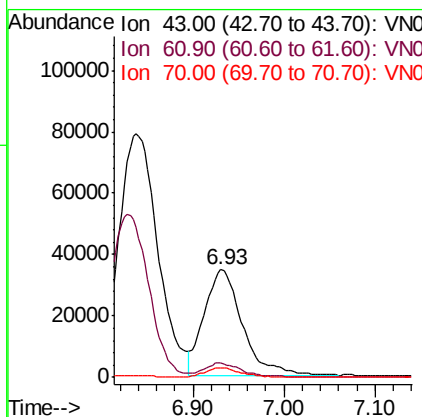
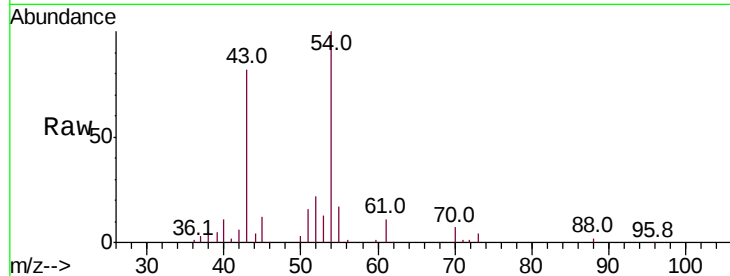
#37
Ethyl Acetate
Concen: 20.068 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.0	9.7	14.5
70	8.6	6.9	10.3

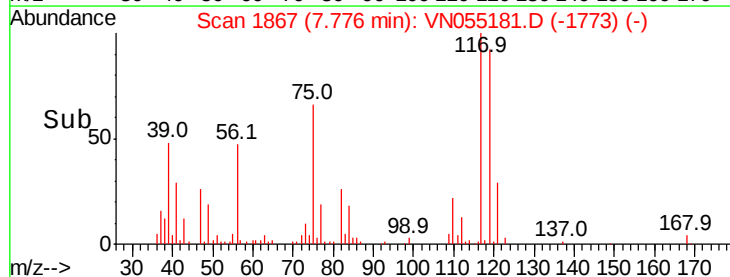
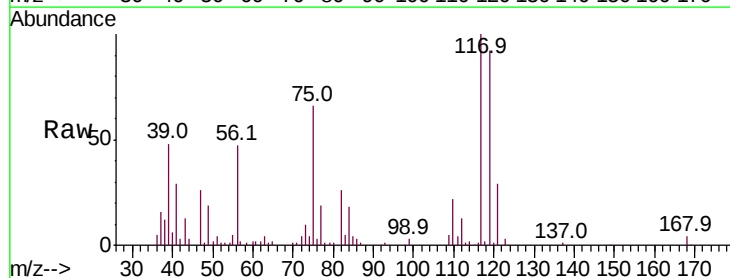
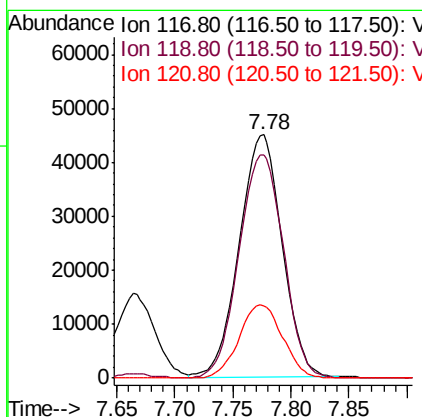
Manual Integrations
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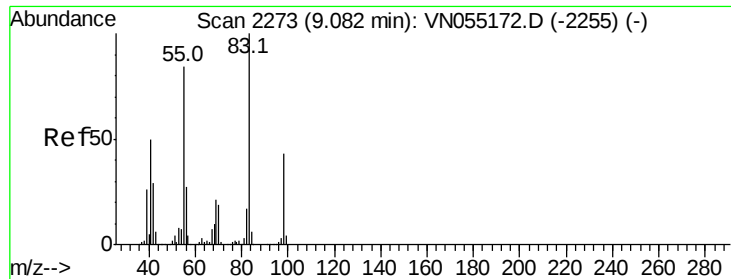
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.837 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.0	114.0
121	29.7	24.6	36.8





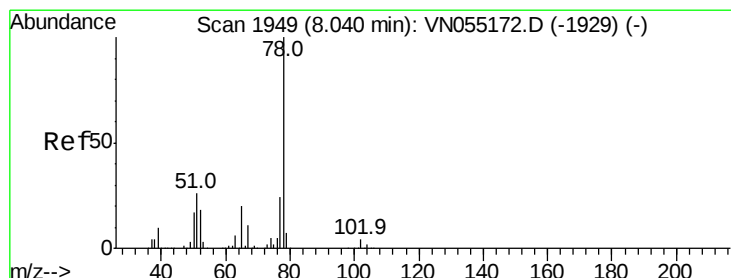
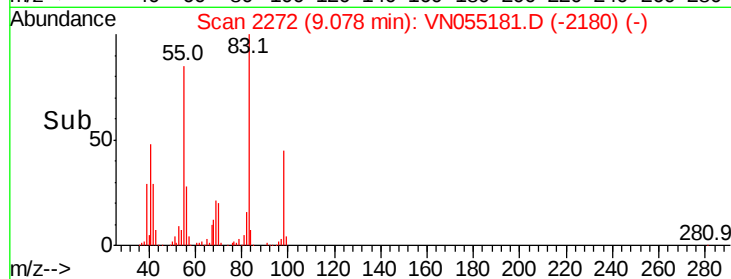
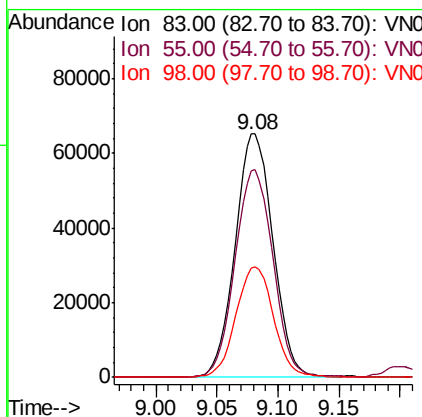
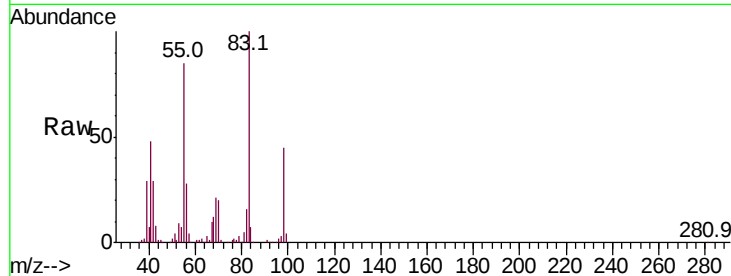
#39
Methvlcvclohexane
Concen: 18.837 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	83	Resp	139999
Ion Ratio	Lower	Upper	
83	100		
55	84.7	67.4	101.0
98	45.0	34.7	52.1

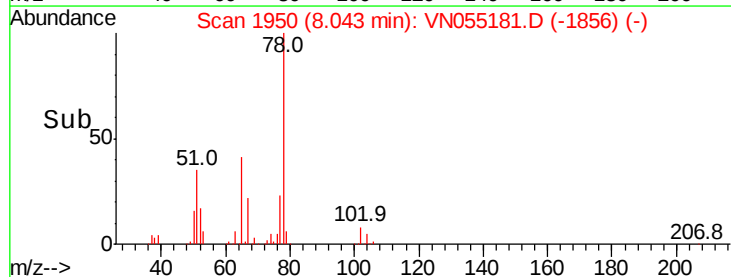
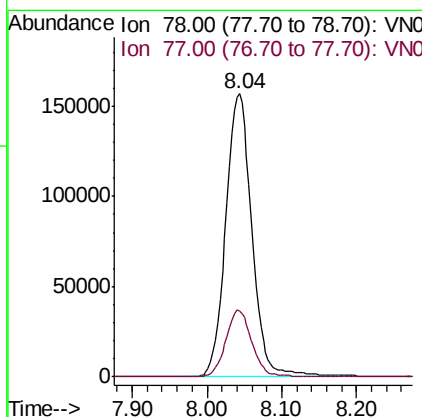
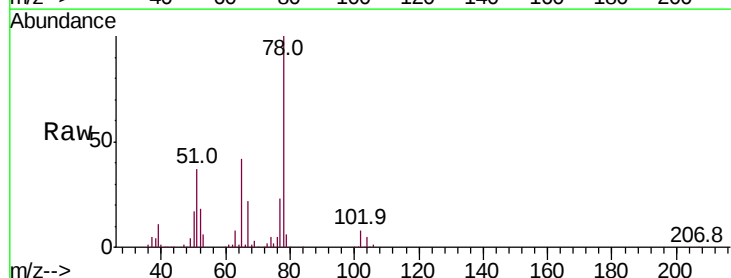
Manual Integrations
APPROVED

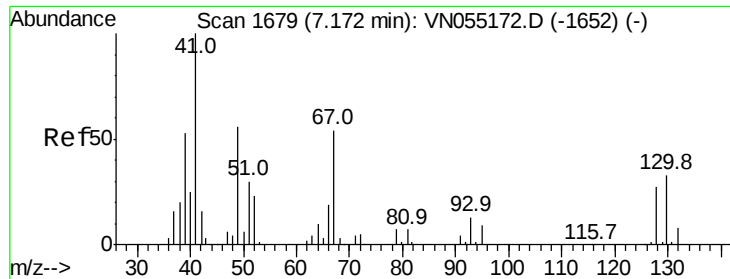
MMDadoda
4/23/2019 1:47:27 PM



#40
Benzene
Concen: 19.769 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	78	Resp	380171
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.5	29.3





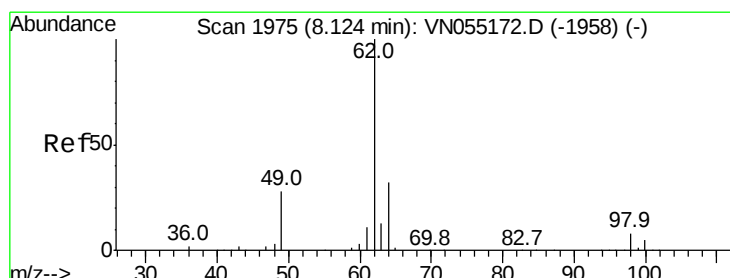
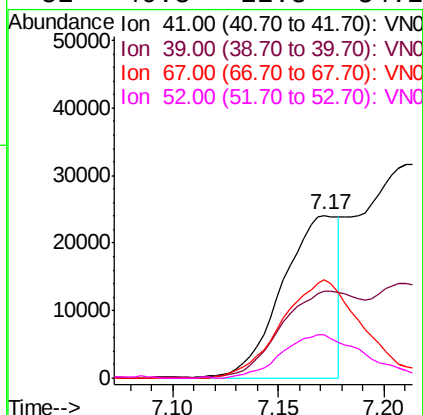
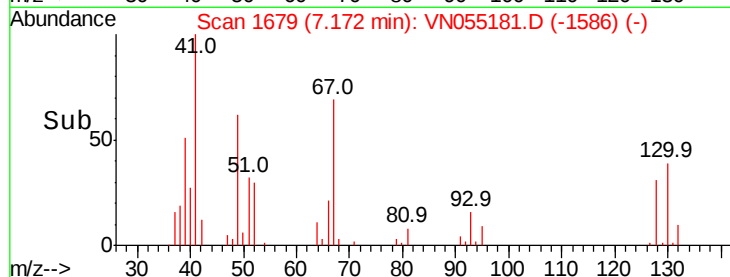
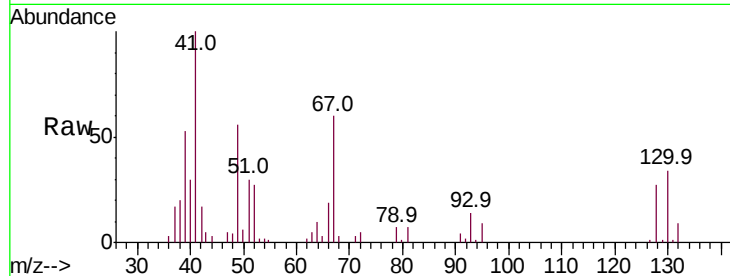
#41
Methacrylonitrile
Concen: 16.874 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	41	Resp	44477
Ion Ratio	100	Lower	Upper
41	100		
39	75.9	45.4	68.0#
67	88.8	54.6	81.8#
52	40.8	22.8	34.2#

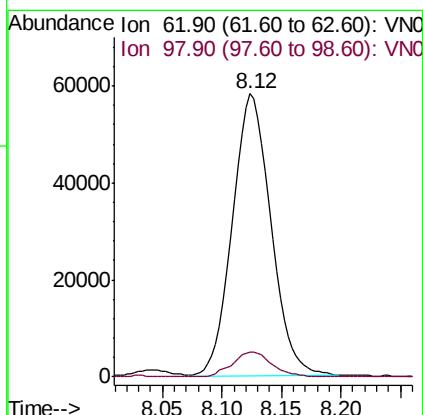
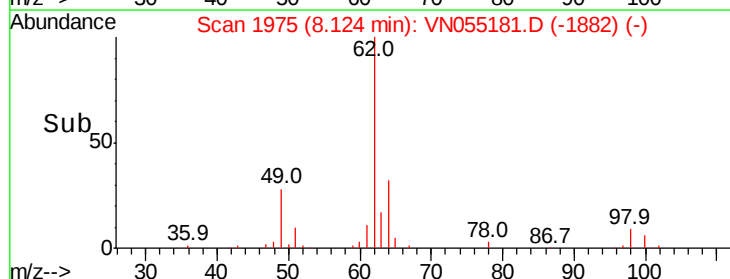
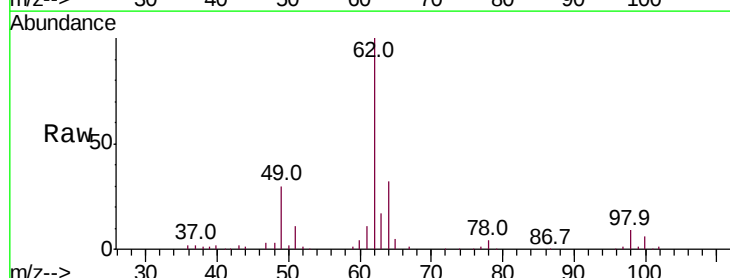
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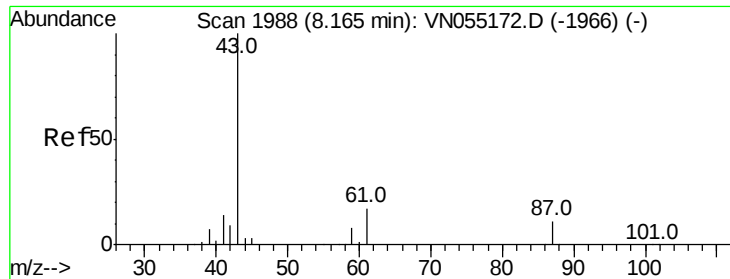
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.463 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	62	Resp	130580
Ion Ratio	100	Lower	Upper
62	100		
98	9.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 20.940 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 170483

Ion Ratio Lower Upper

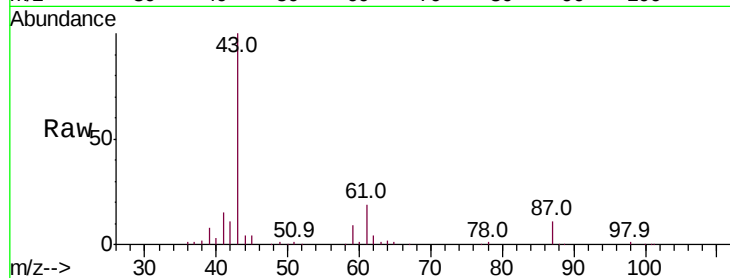
43 100

61 18.2 20.6 30.8#

87 10.7 8.8 13.2

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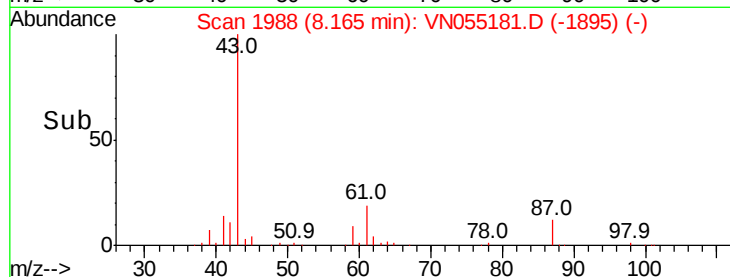


Abundance Ion 43.00 (42.70 to 43.70): VN055181.D (-1966) (-)

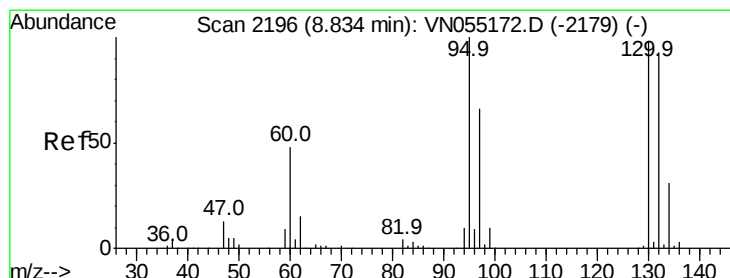
Ion 61.00 (60.70 to 61.70): VN055181.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN055181.D (-1966) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 19.430 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055181.D

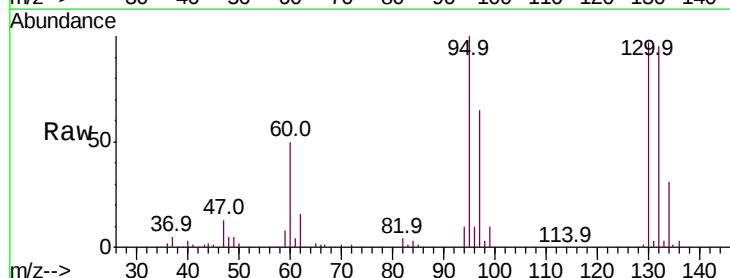
Acq: 22 Apr 2019 15:11

Tgt Ion:130 Resp: 94442

Ion Ratio Lower Upper

130 100

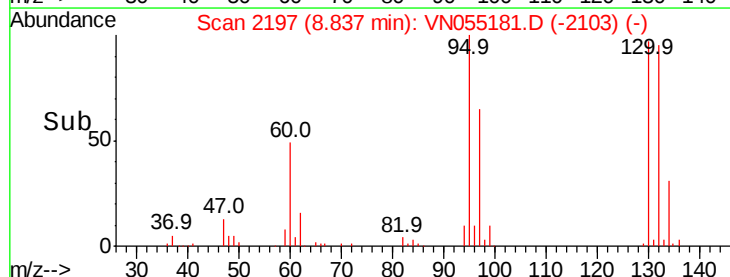
95 103.0 0.0 203.6



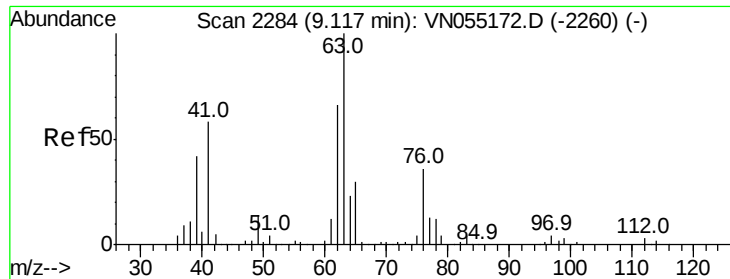
Abundance Ion 129.80 (129.50 to 130.50): VN055181.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055181.D (-2103) (-)

Time--> 8.75 8.80 8.85 8.90



Time--> 8.75 8.80 8.85 8.90



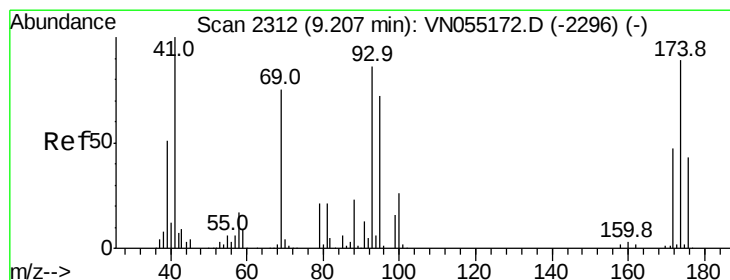
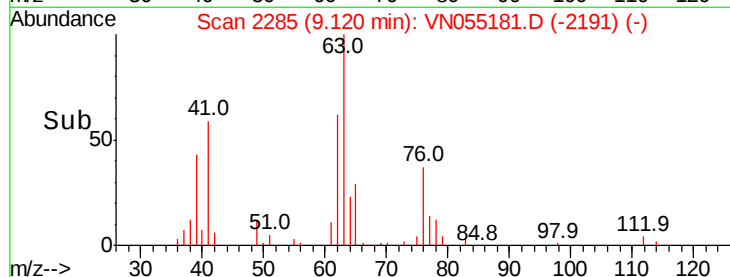
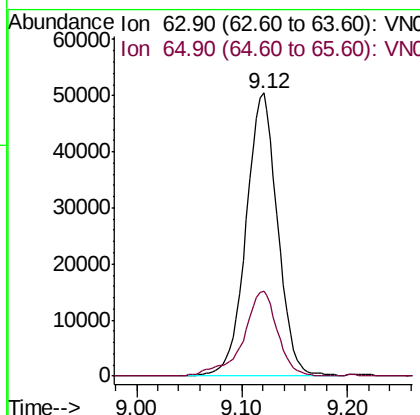
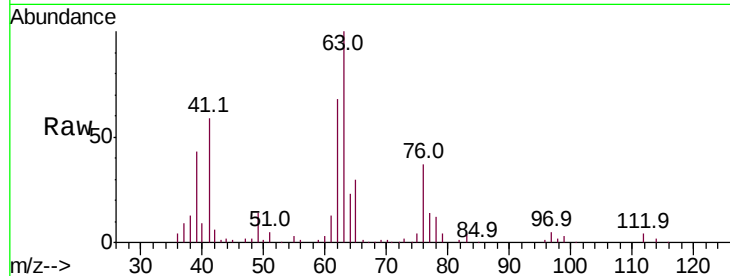
#45
 1,2-Dichloropropane
 Concen: 19.318 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.8	35.6

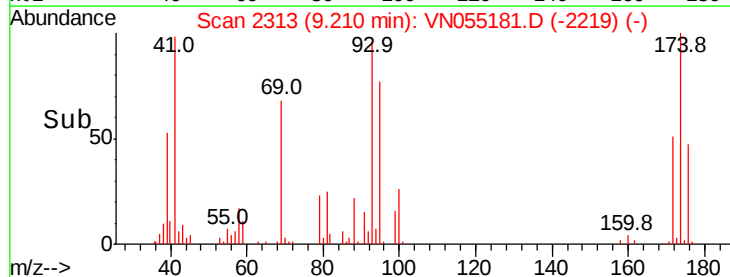
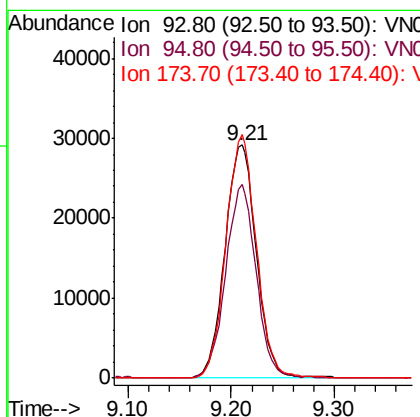
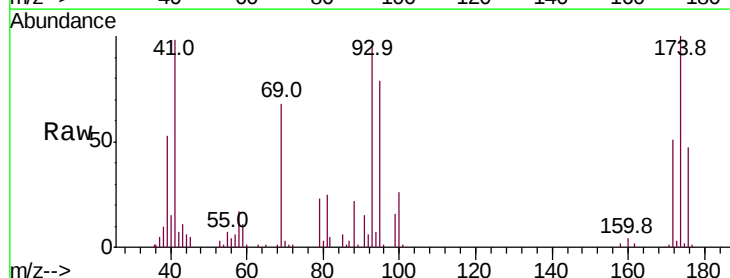
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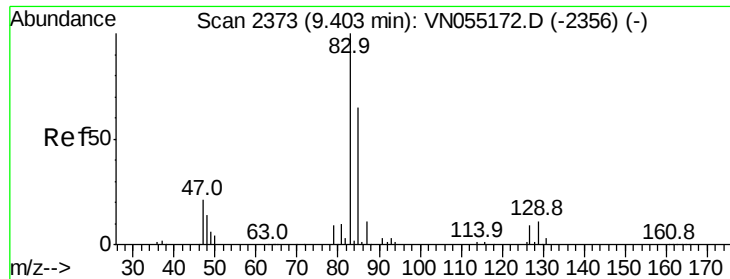
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#46
 Dibromomethane
 Concen: 19.943 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	67.6	101.4
174	100.7	83.4	125.2





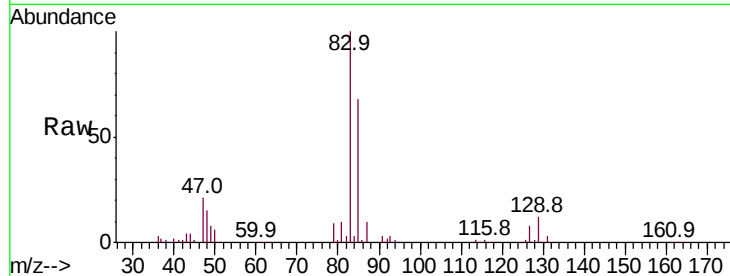
#47
Bromodichloromethane
Concen: 19.797 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	68.5	52.1	78.1	
127	8.5	6.9	10.3	

Manual Integrations
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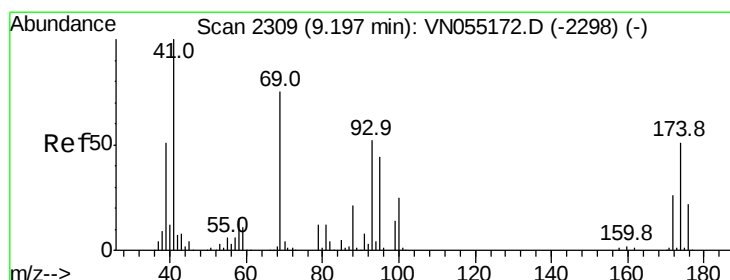
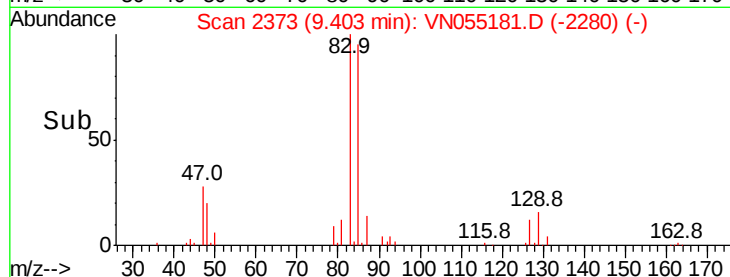
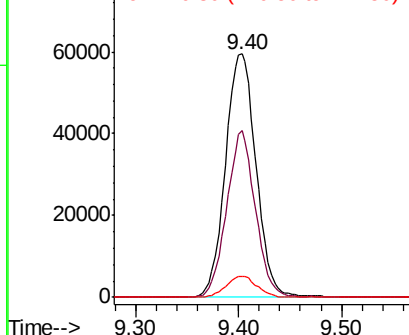
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Abundance Ion 82.90 (82.60 to 83.60): VN055181.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055181.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055181.D (-2280) (-)



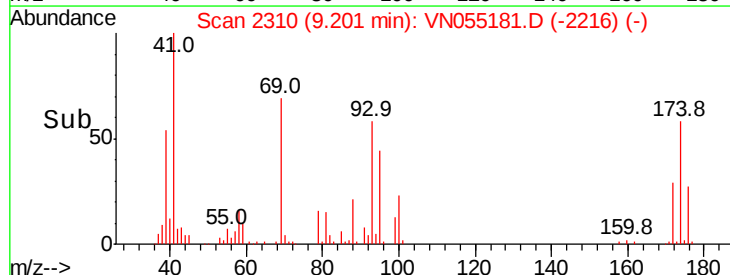
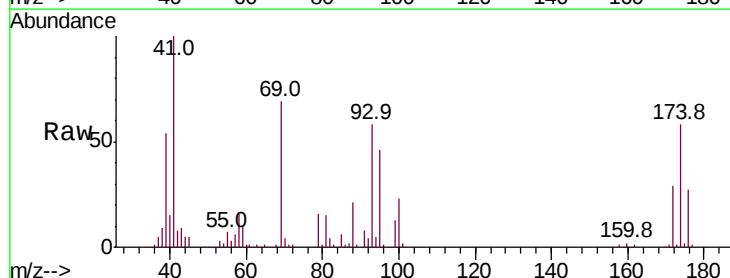
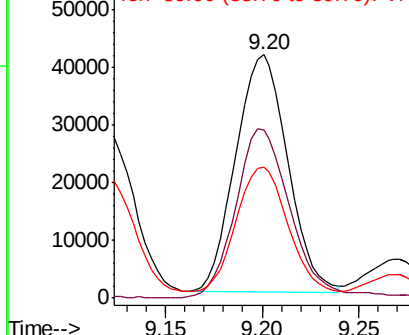
#48
Methyl methacrylate
Concen: 19.524 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

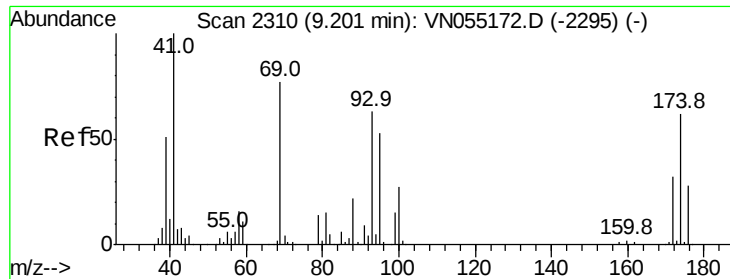
Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	75.8	63.6	95.4	
39	56.7	43.8	65.8	

Abundance Ion 41.00 (40.70 to 41.70): VN055181.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055181.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055181.D (-2216) (-)





#49

1,4-Dioxane

Concen: 396.700 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

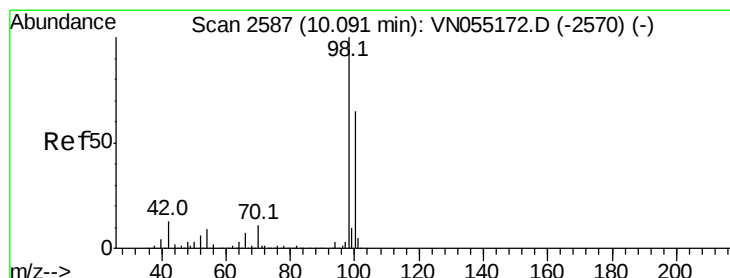
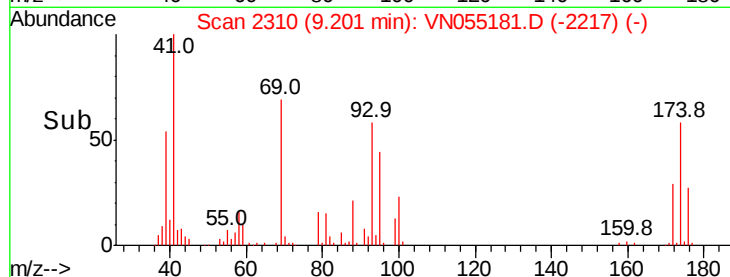
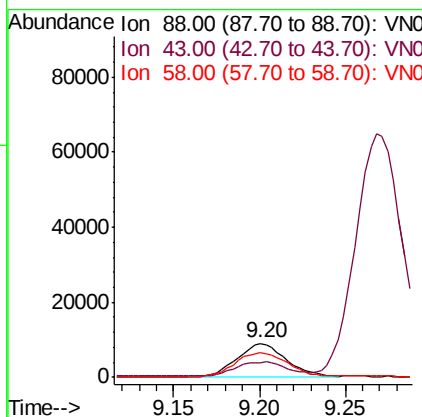
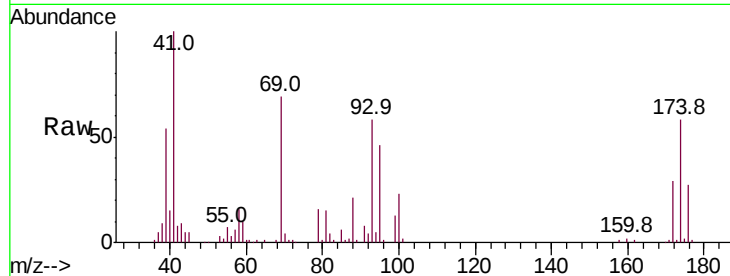
ClientSampleId :

VN0422WBS01

Tot Ion	88	Resp	18092
Ion	Ratio	Lower	Upper
88	100		
43	44.3	32.0	48.0
58	79.5	60.4	90.6

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#50

Toluene-d8

Concen: 48.180 ug/l

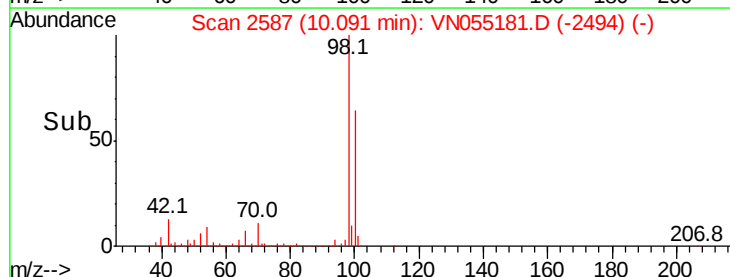
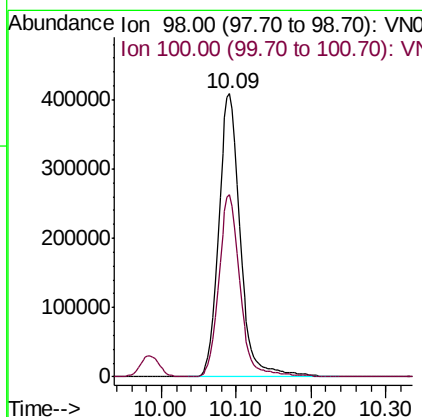
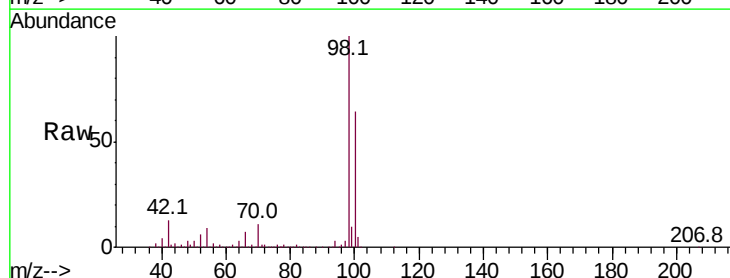
RT: 10.09 min Scan# 2587

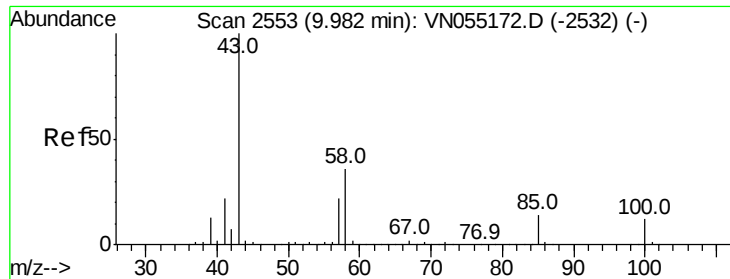
Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion	98	Resp	813978
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 99.577 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 466499

Ion Ratio Lower Upper

43 100

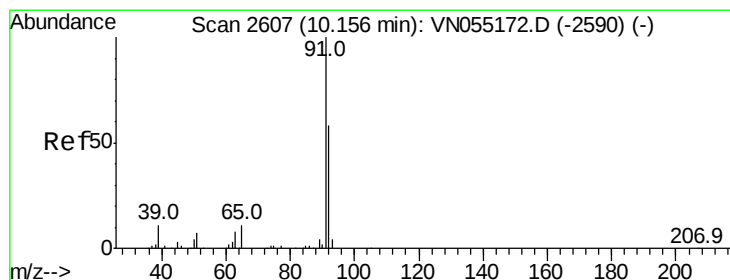
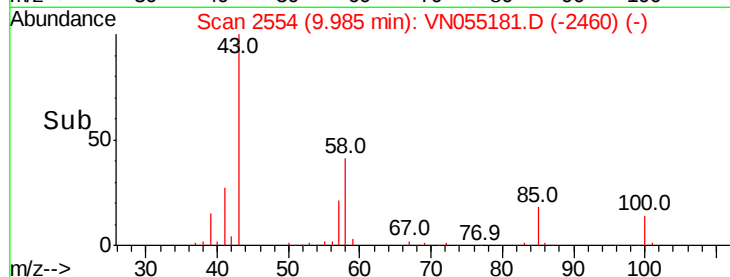
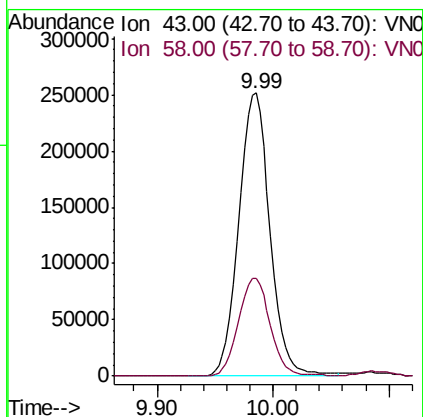
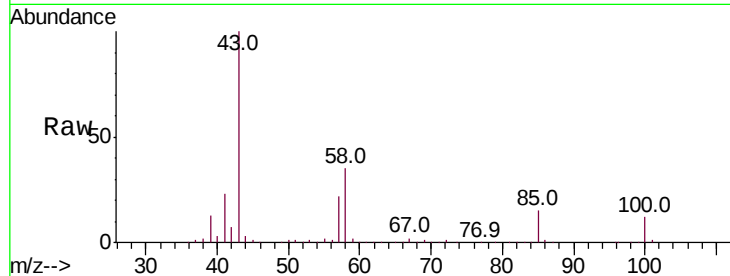
58 35.5 28.3 42.5

Manual Integrations

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#52

Toluene

Concen: 19.715 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055181.D

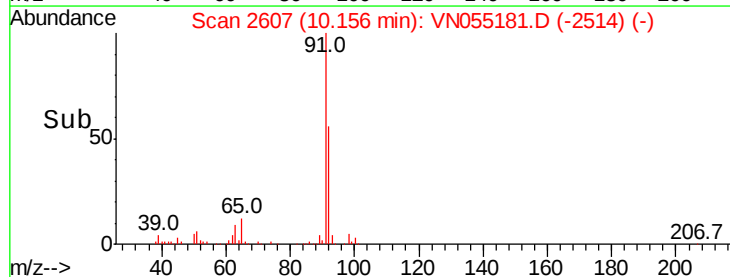
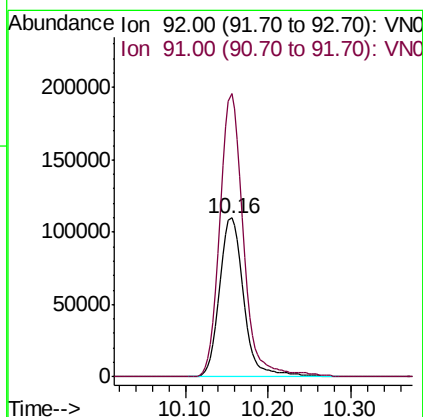
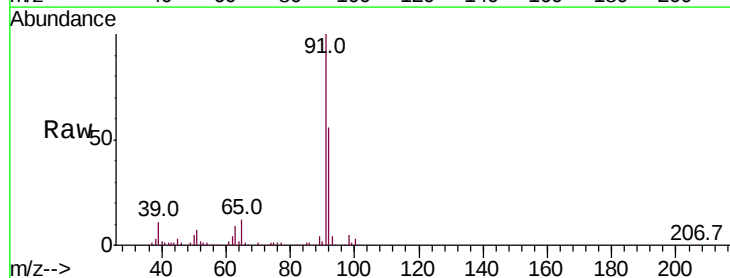
Acq: 22 Apr 2019 15:11

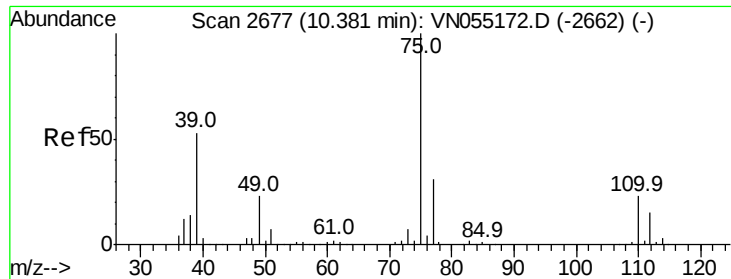
Tgt Ion: 92 Resp: 222262

Ion Ratio Lower Upper

92 100

91 173.9 138.7 208.1





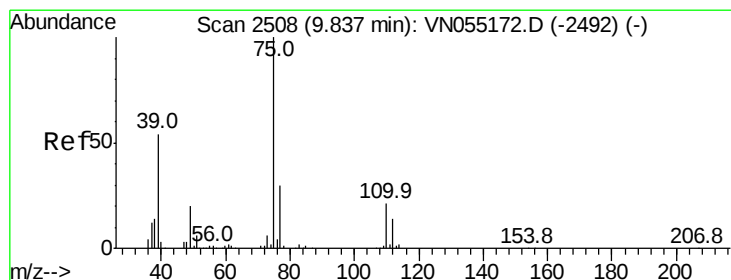
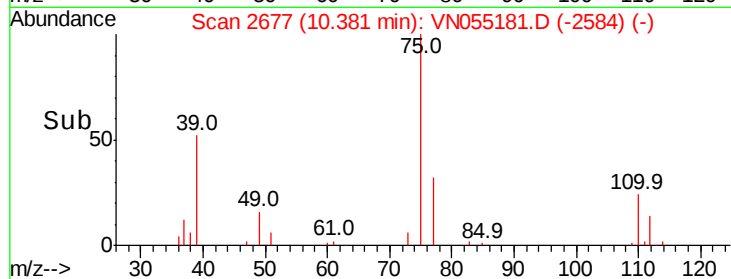
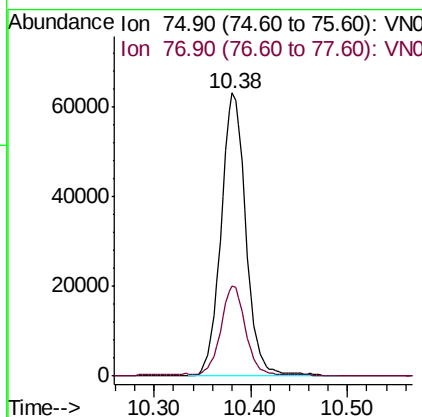
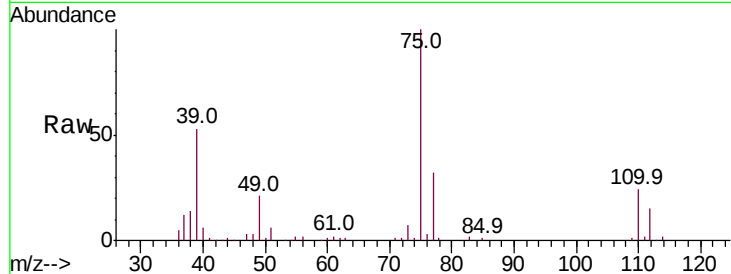
#53
t-1,3-Dichloropropene
Concen: 19.699 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion: 75 Resp: 112462
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7

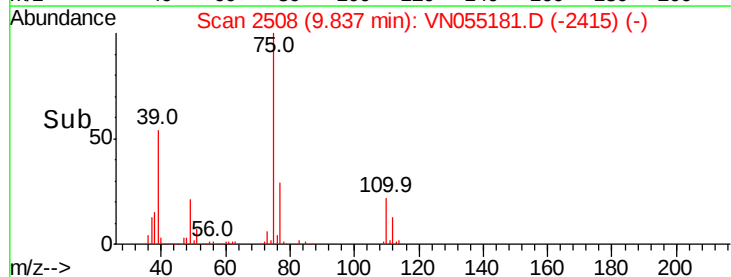
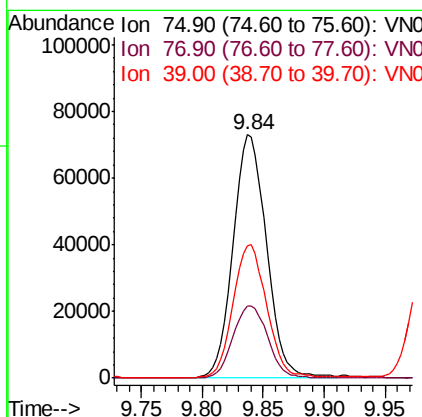
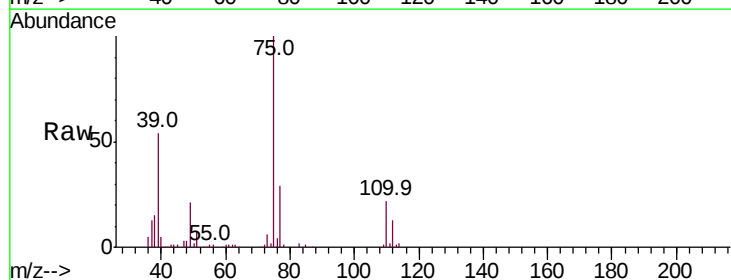
Manual Integrations
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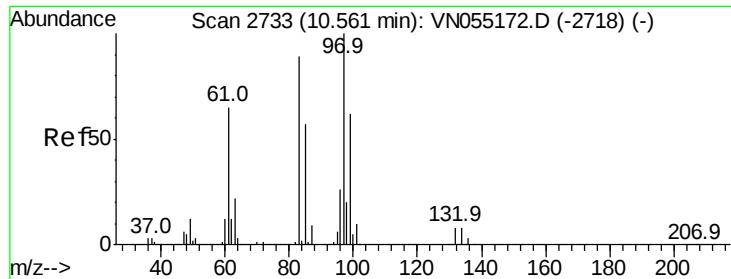
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#54
cis-1,3-Dichloropropene
Concen: 19.656 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 75 Resp: 139257
Ion Ratio Lower Upper
75 100
77 29.5 24.3 36.5
39 54.1 43.0 64.4





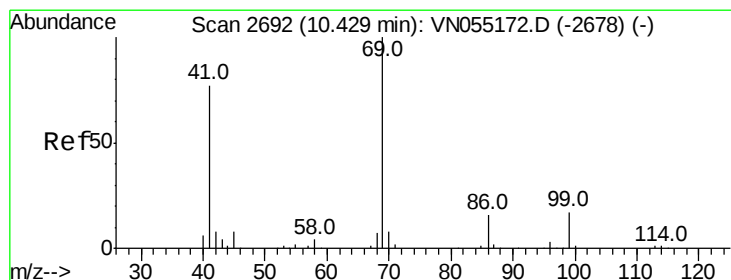
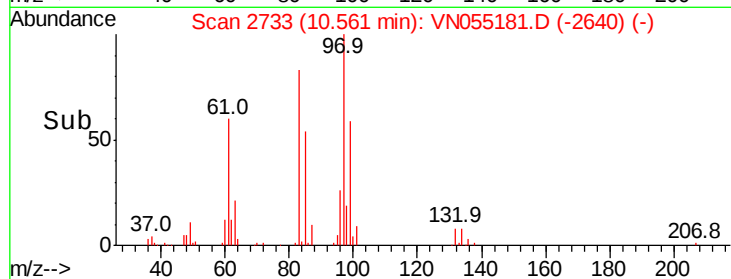
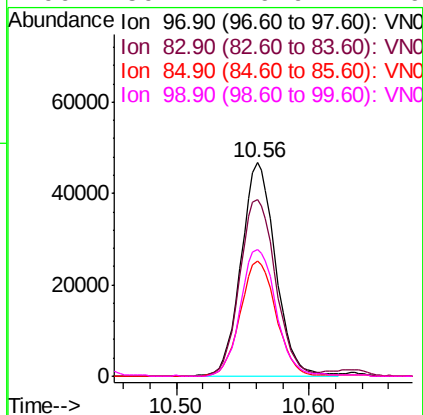
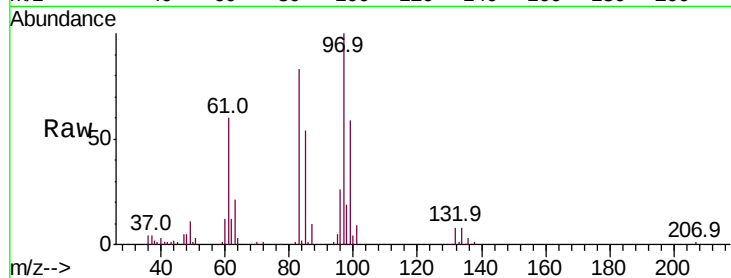
#55
 1,1,2-Trichloroethane
 Concen: 20.293 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.8	71.5	107.3
85	53.8	45.8	68.6
99	59.1	49.9	74.9

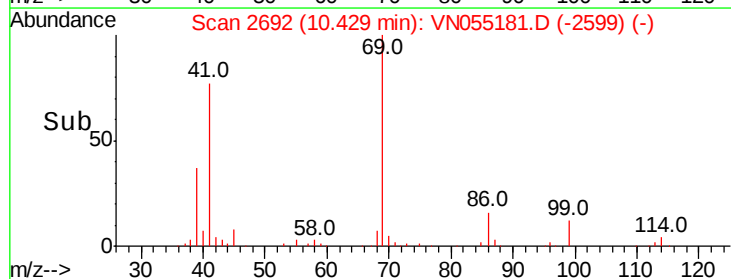
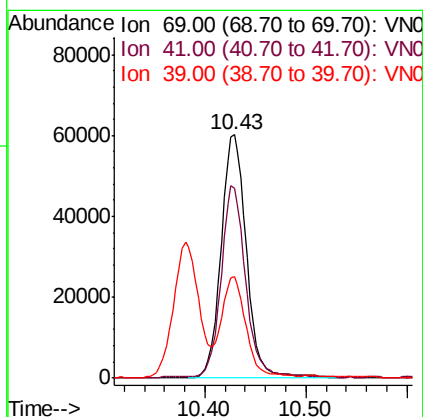
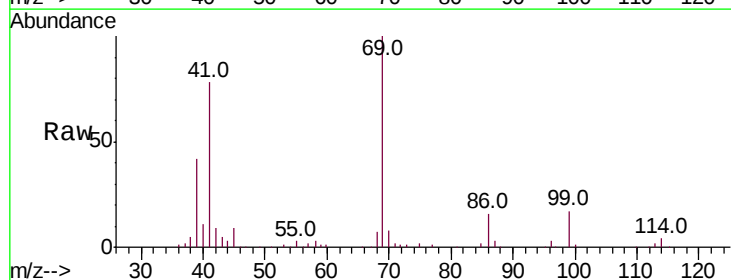
Manual Integrations
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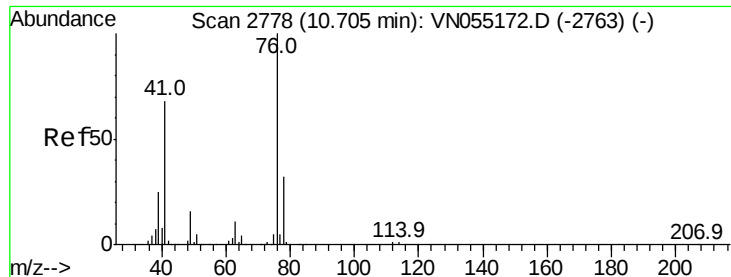
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#56
 Ethyl methacrylate
 Concen: 20.438 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.6	90.8
39	39.4	31.7	47.5





#57

1,3-Dichloropropane

Concen: 20.146 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 76 Resp: 145679

Ion Ratio Lower Upper

76 100

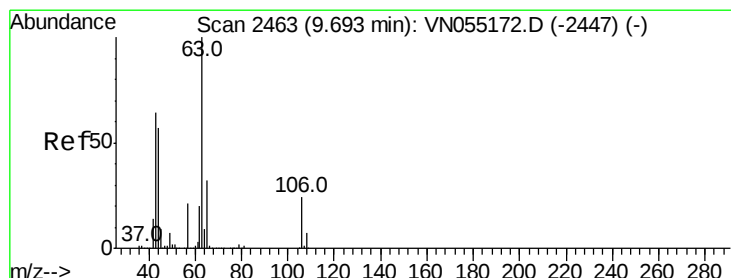
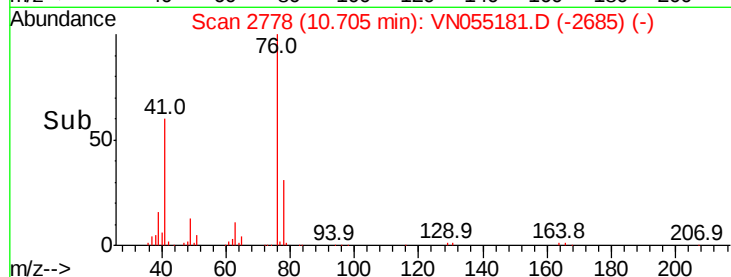
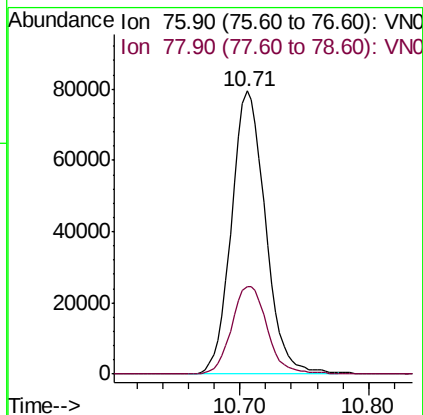
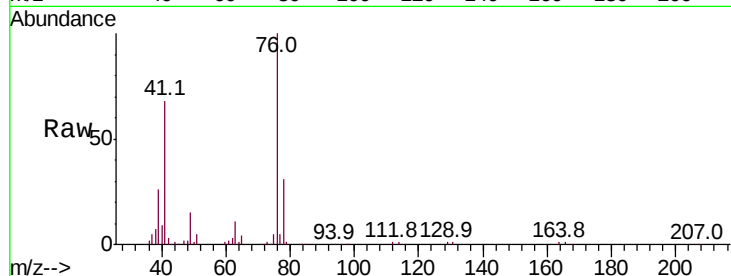
78 32.4 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 89.427 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055181.D

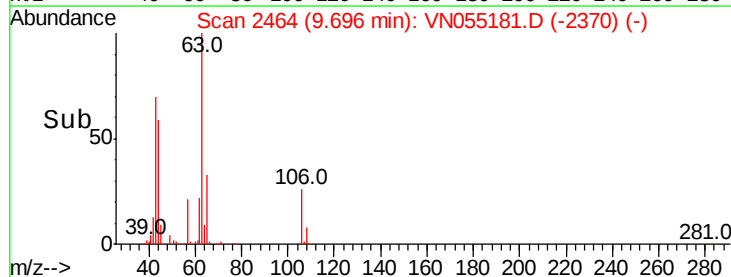
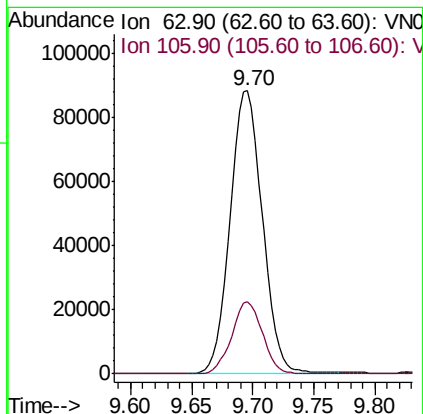
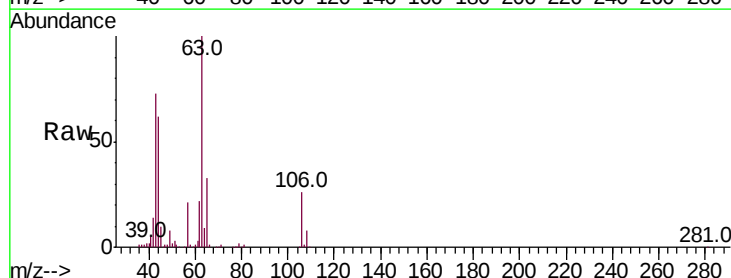
Acq: 22 Apr 2019 15:11

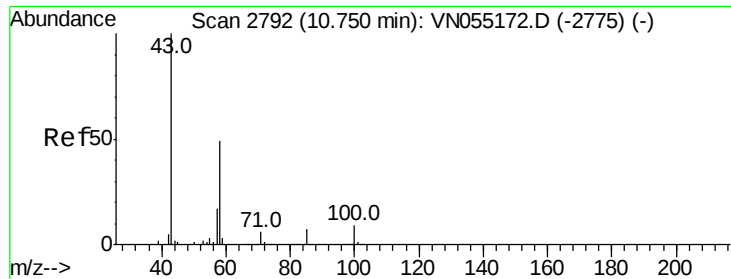
Tgt Ion: 63 Resp: 163275

Ion Ratio Lower Upper

63 100

106 24.1 19.4 29.0





#59

2-Hexanone

Concen: 101.531 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 43 Resp: 300445

Ion Ratio Lower Upper

43 100

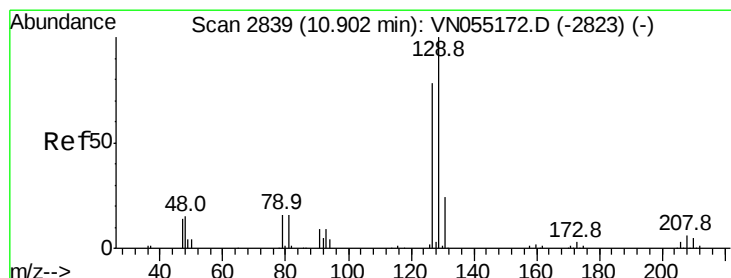
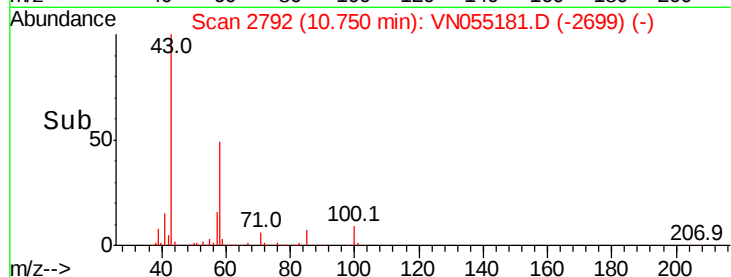
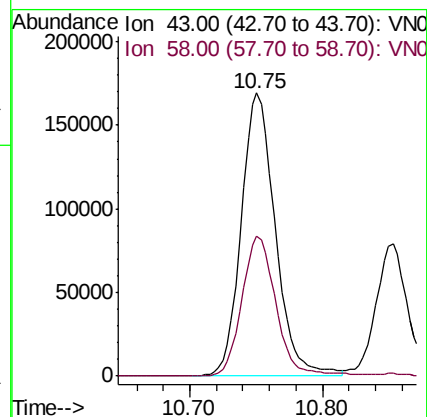
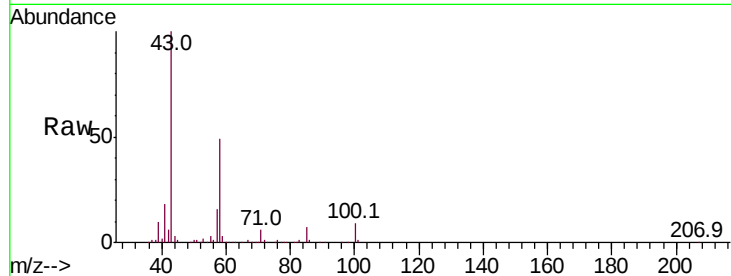
58 49.8 24.5 73.5

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.309 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055181.D

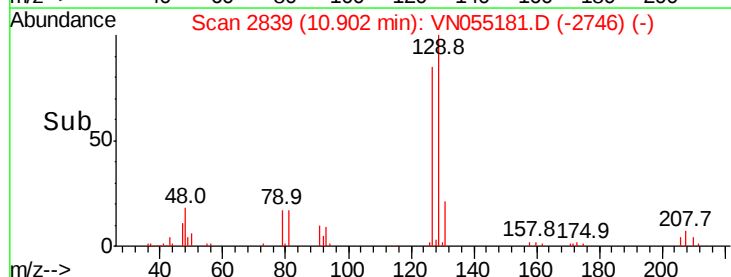
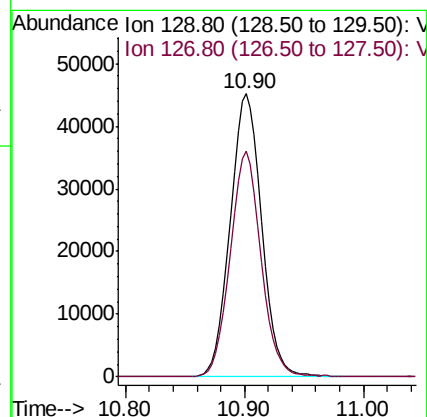
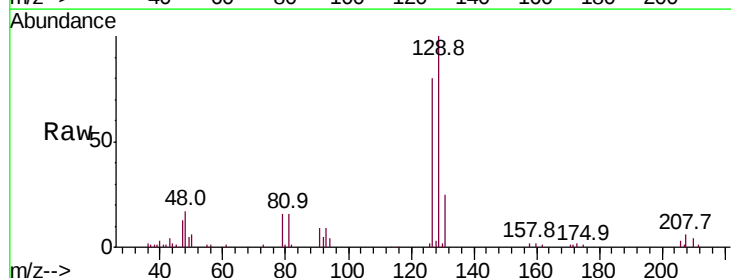
Acq: 22 Apr 2019 15:11

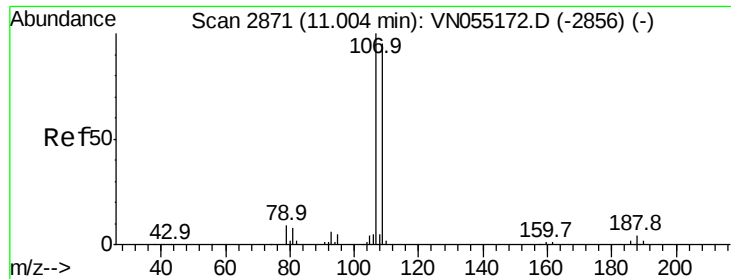
Tgt Ion: 129 Resp: 82664

Ion Ratio Lower Upper

129 100

127 78.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 19.616 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion:107 Resp: 76654

Ion Ratio Lower Upper

107 100

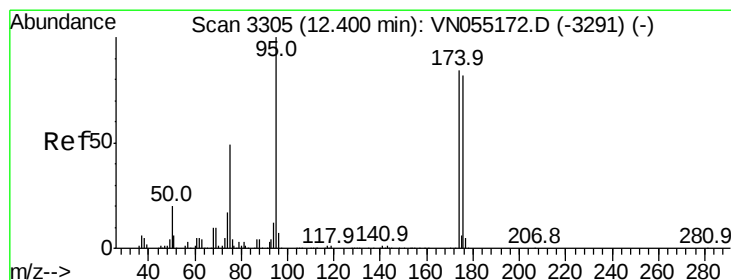
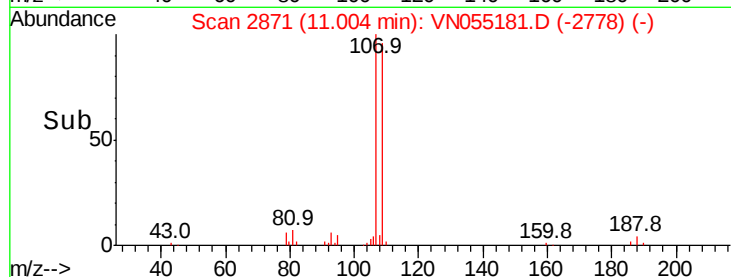
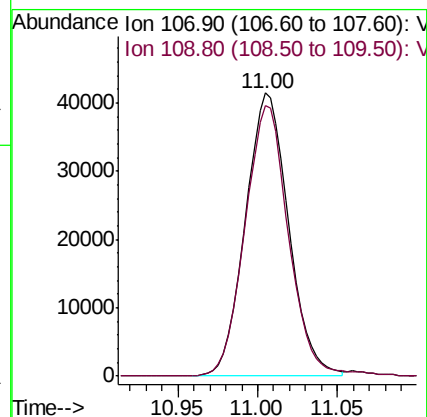
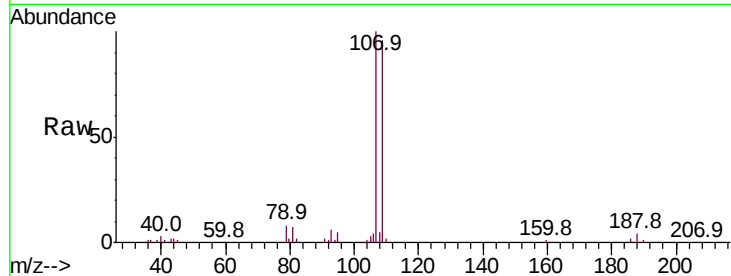
109 96.8 75.8 113.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.614 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

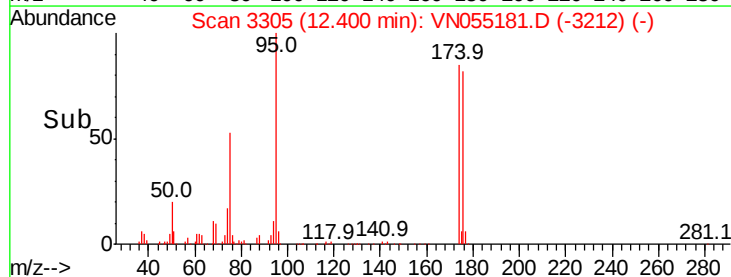
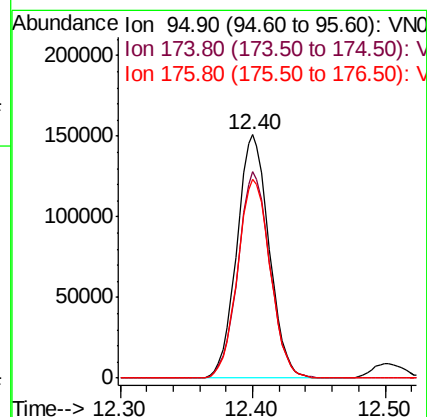
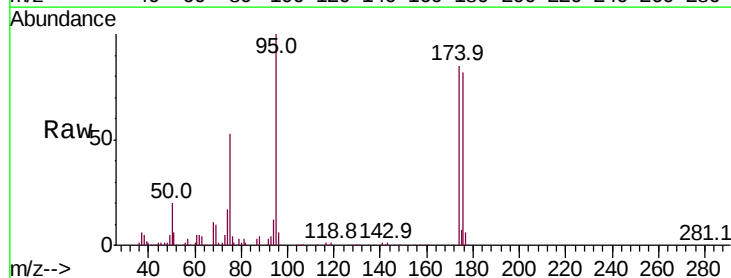
Tgt Ion: 95 Resp: 254741

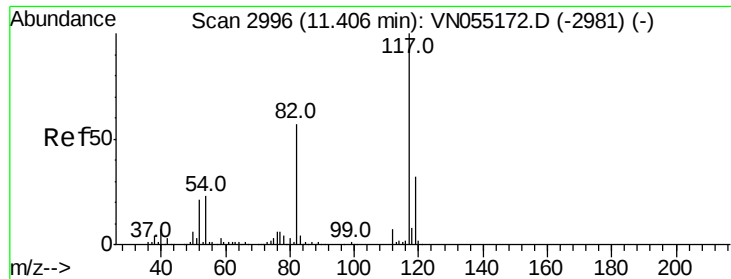
Ion Ratio Lower Upper

95 100

174 84.0 0.0 168.4

176 82.7 0.0 164.0





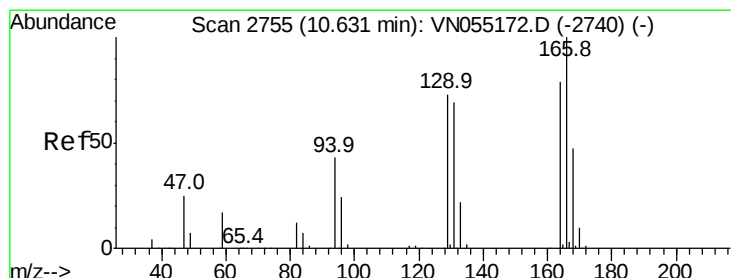
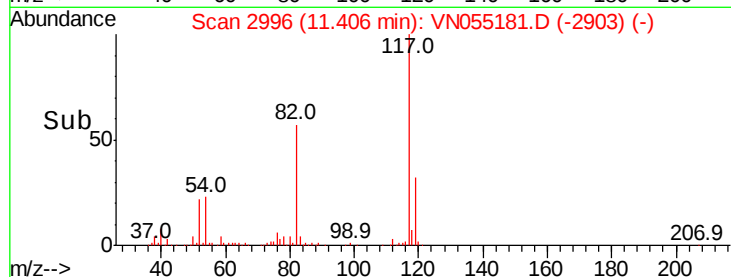
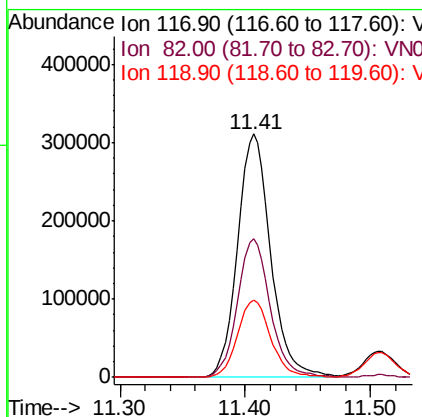
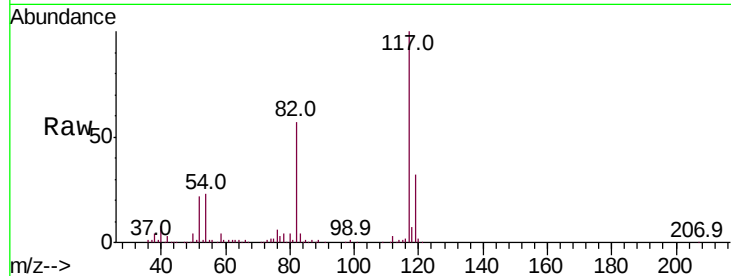
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	570137		
82	56.9		45.7	68.5
119	31.8		25.4	38.2

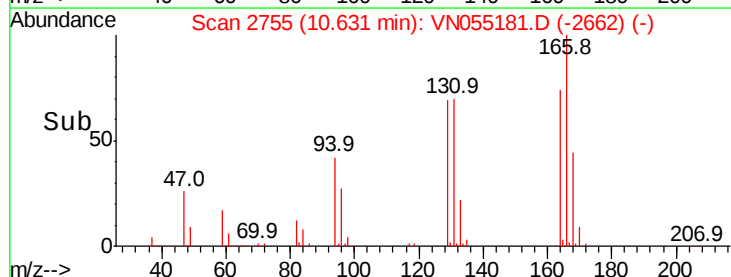
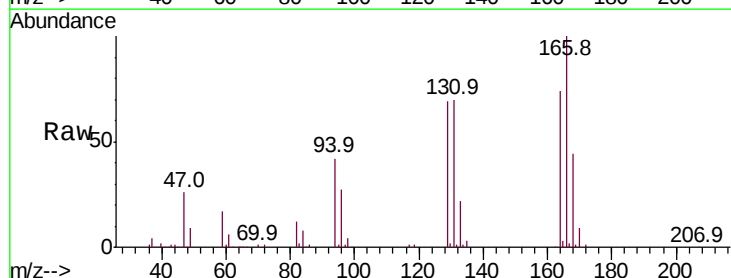
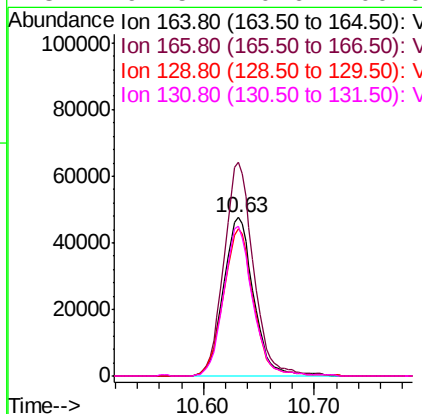
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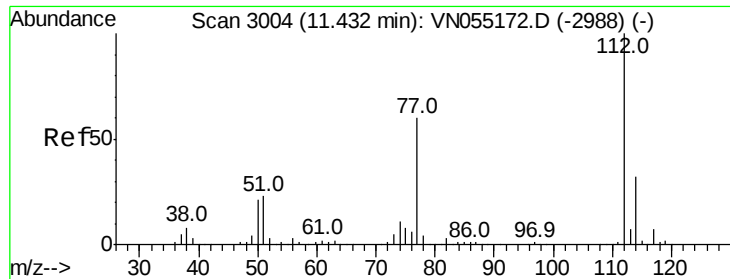
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#64
Tetrachloroethene
Concen: 19.351 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90004		
166	134.9		101.9	152.9
129	92.6		74.1	111.1
131	94.5		70.6	106.0





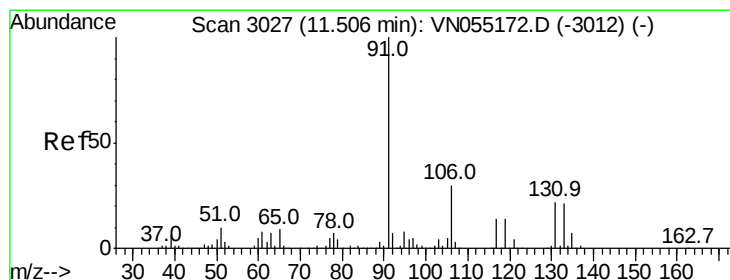
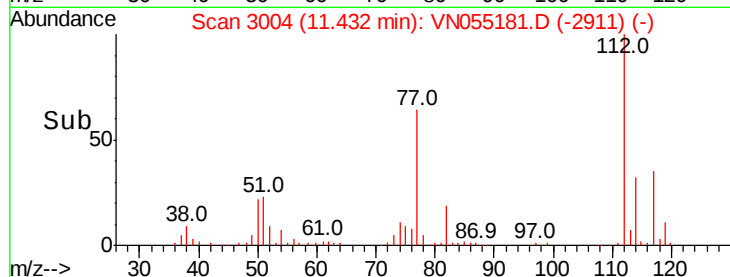
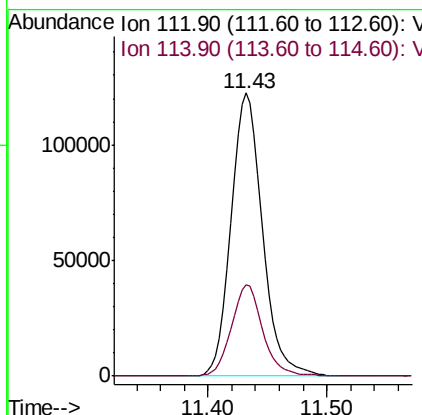
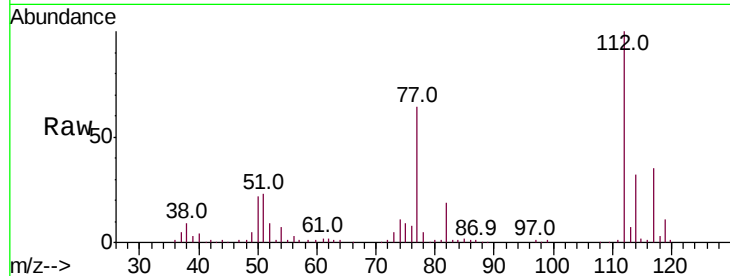
#65
Chlorobenzene
Concen: 19.236 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampled :
VN0422WBS01

Tot Ion:112 Resp: 223853
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

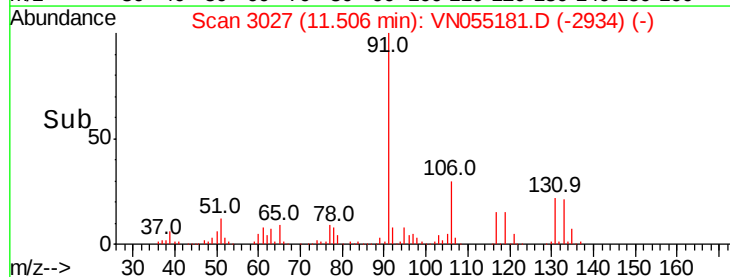
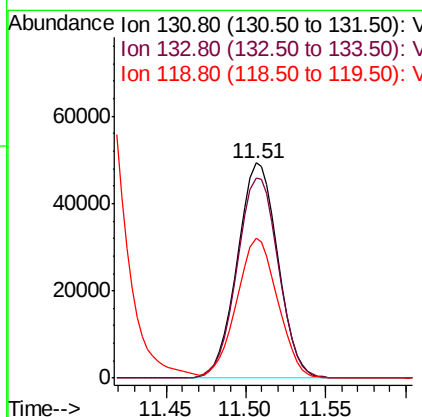
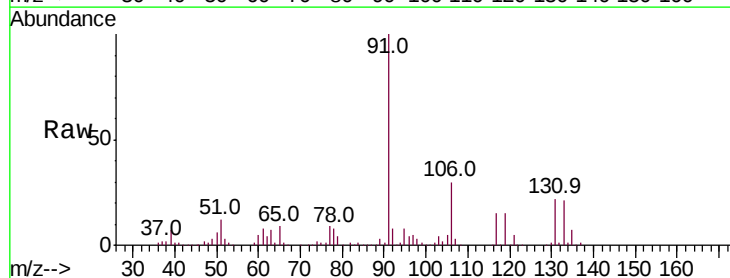
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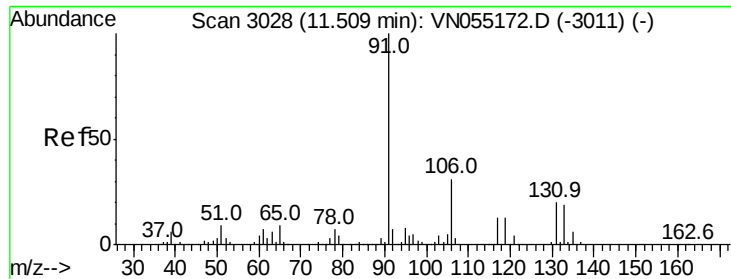
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.722 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion:131 Resp: 85062
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.0 33.2 99.6





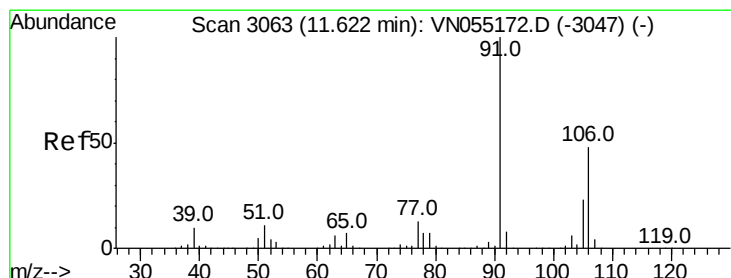
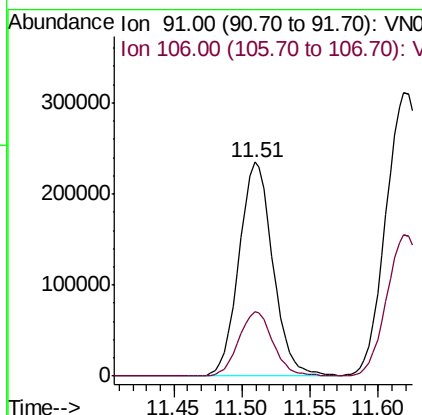
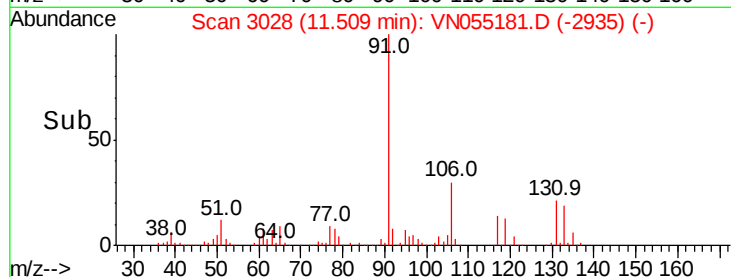
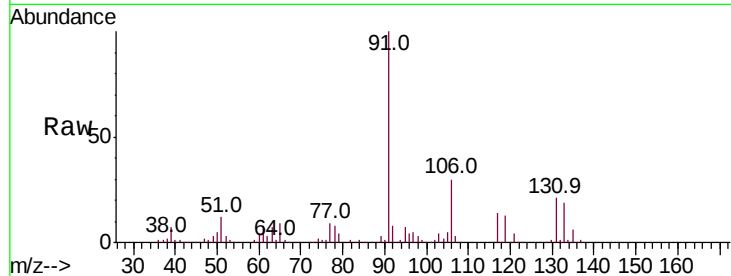
#67
Ethyl Benzene
Concen: 19.602 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion: 91 Resp: 406339
Ion Ratio Lower Upper
91 100
106 30.0 24.5 36.7

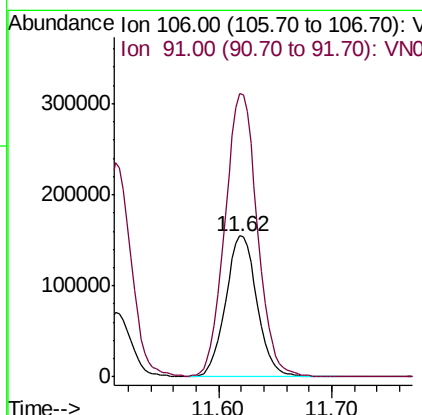
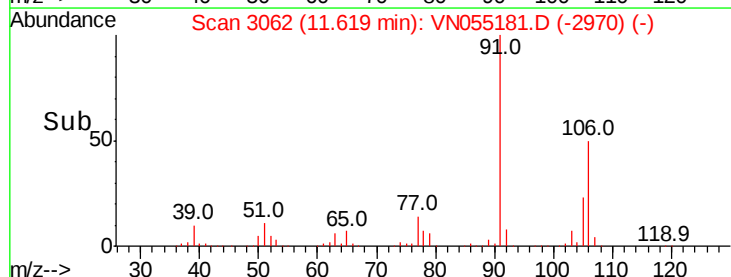
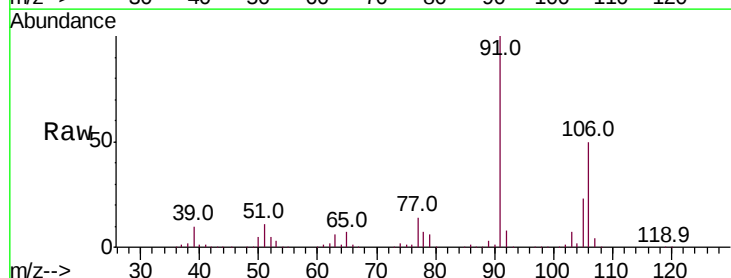
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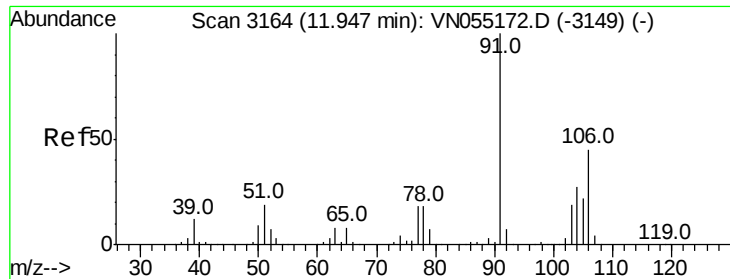
MMDadoda
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#68
m/p-Xylenes
Concen: 40.275 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion: 106 Resp: 299434
Ion Ratio Lower Upper
106 100
91 206.6 167.1 250.7





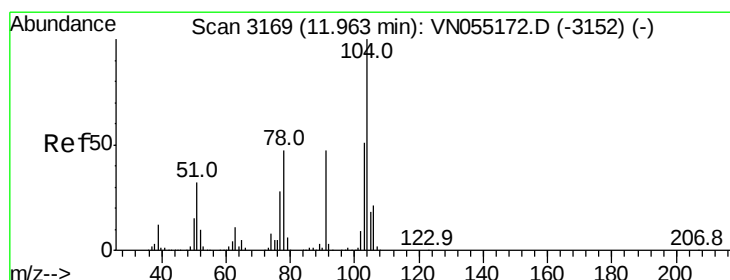
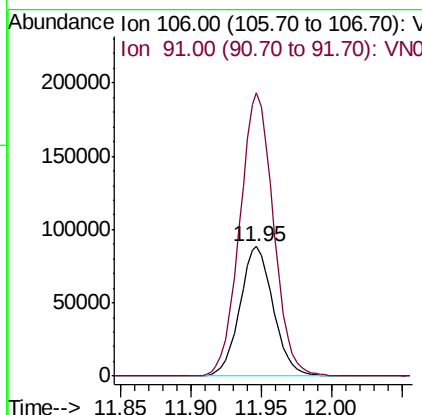
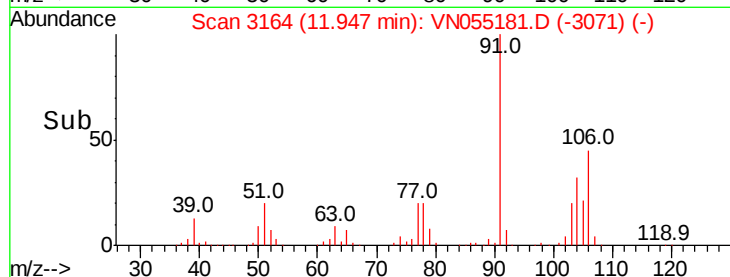
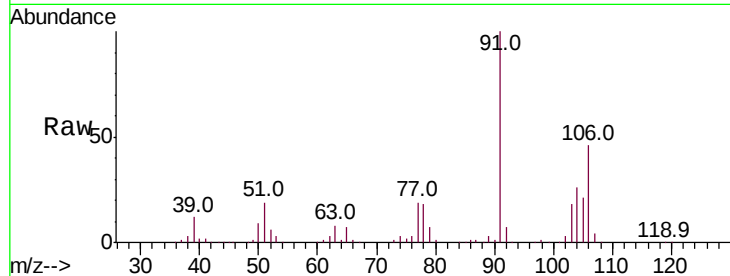
#69
o-Xylene
Concen: 19.882 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion:106 Resp: 146695
Ion Ratio Lower Upper
106 100
91 221.3 110.6 331.8

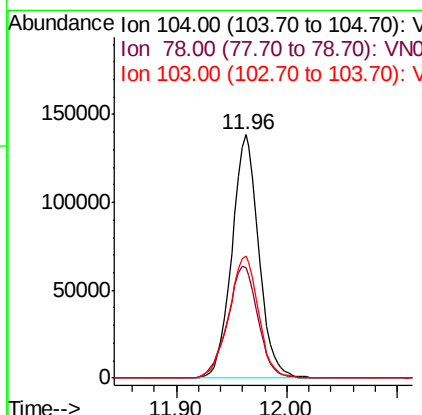
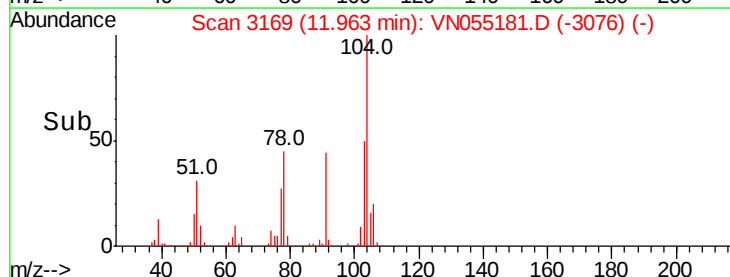
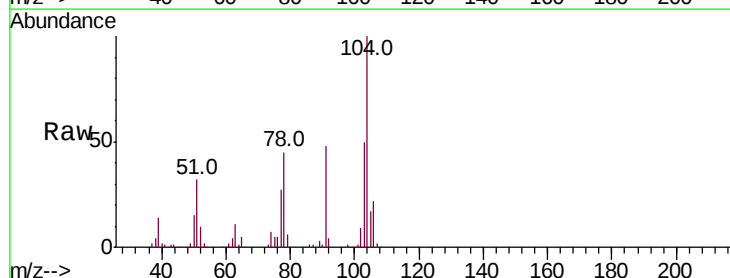
Manual Integrations
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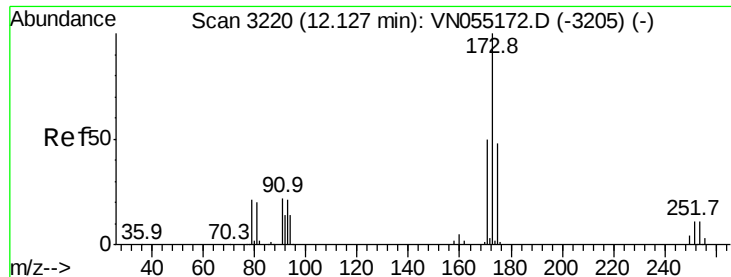
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#70
Styrene
Concen: 20.490 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion:104 Resp: 234340
Ion Ratio Lower Upper
104 100
78 51.8 41.3 61.9
103 55.4 44.2 66.4





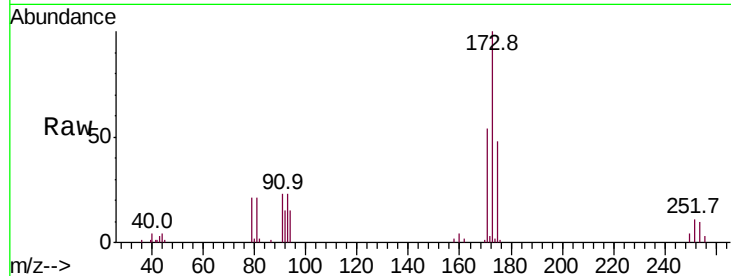
#71
Bromoform
Concen: 19.378 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

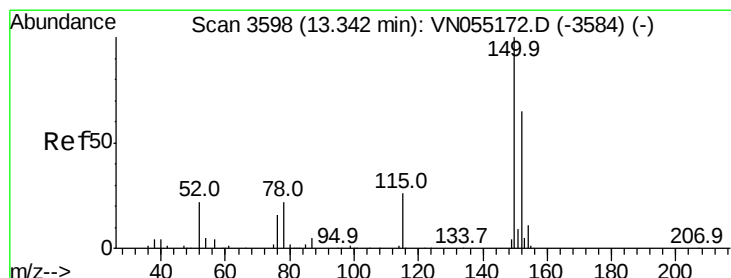
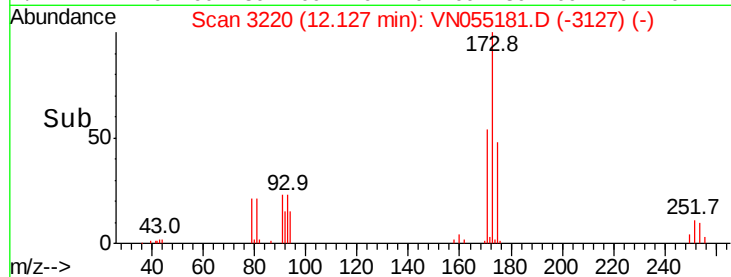
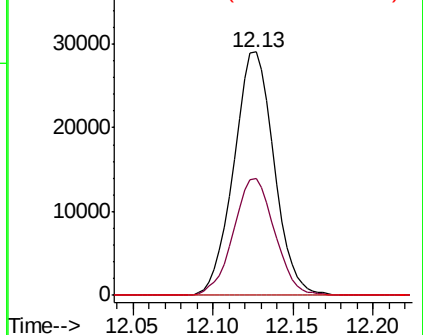
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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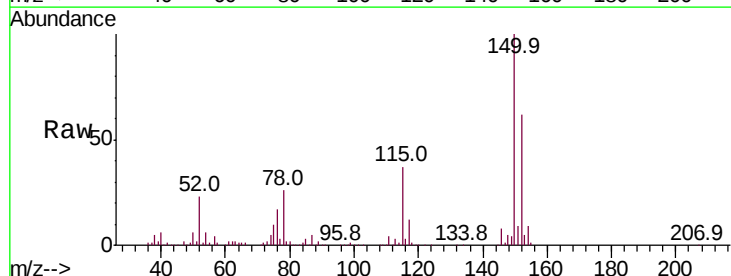


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

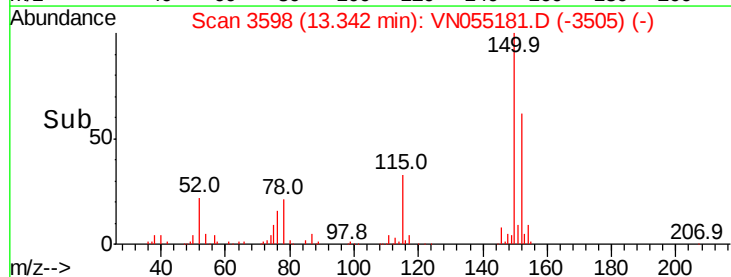
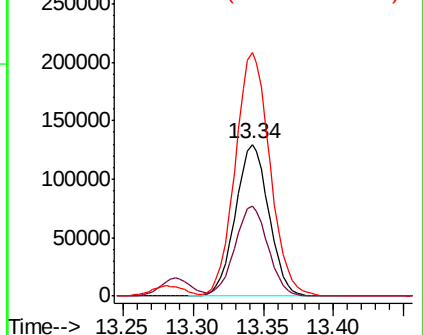


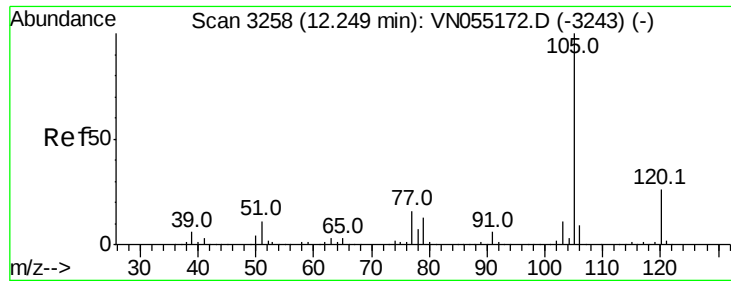
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.9	86.7
150	166.7	0.0	346.6



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





#73

Isopropylbenzene

Concen: 21.386 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion:105 Resp: 392620

Ion Ratio Lower Upper

105 100

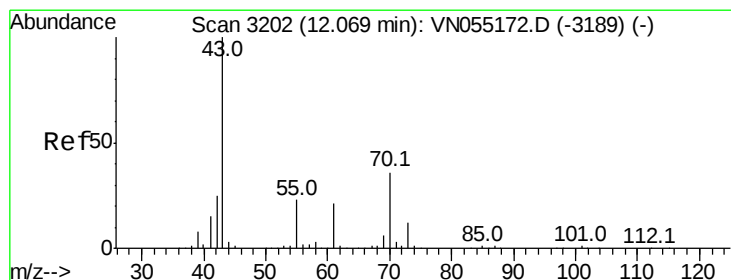
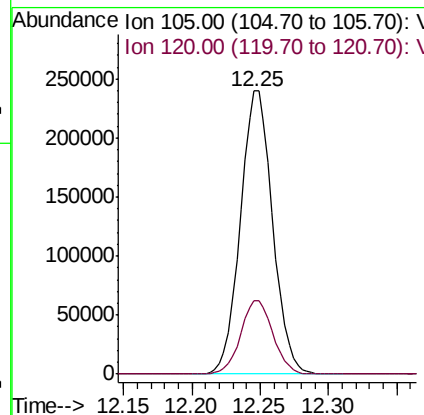
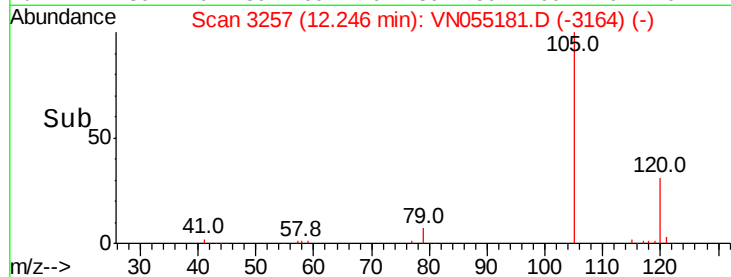
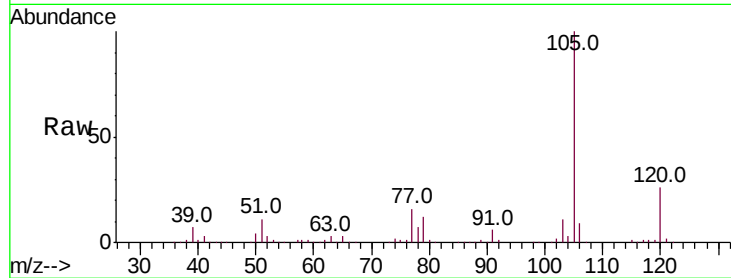
120 26.1 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.113 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion: 43 Resp: 111735

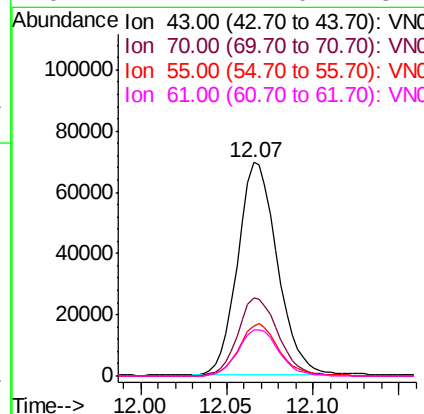
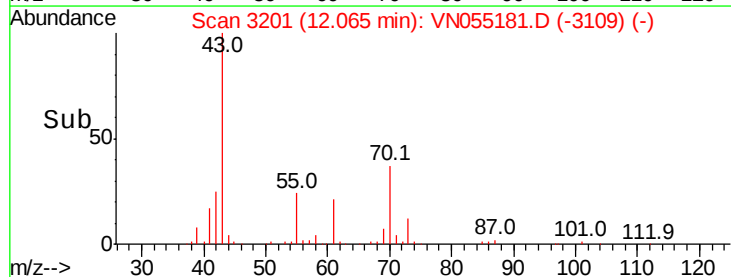
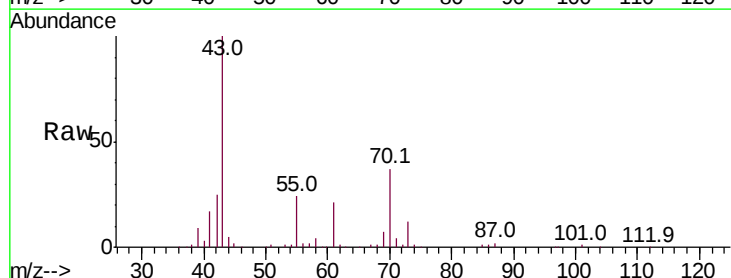
Ion Ratio Lower Upper

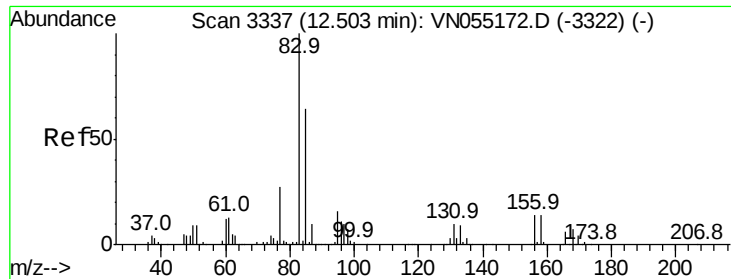
43 100

70 37.5 29.0 43.6

55 24.7 18.5 27.7

61 22.4 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.059 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

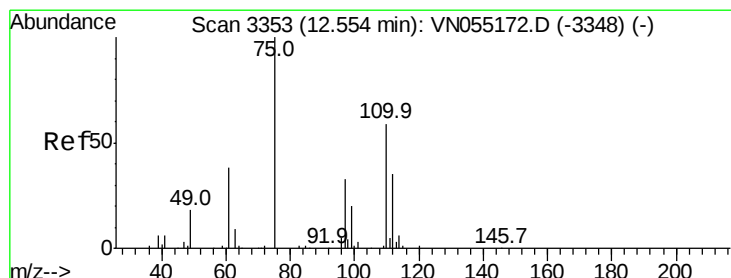
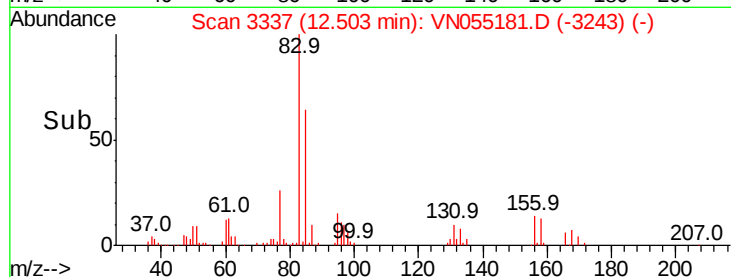
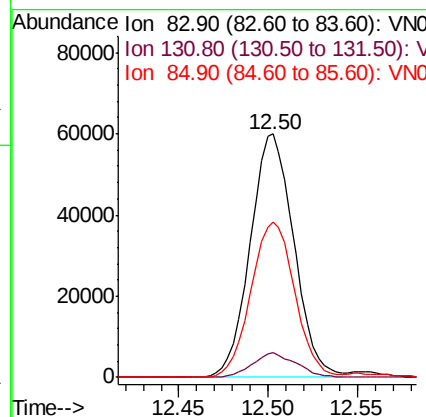
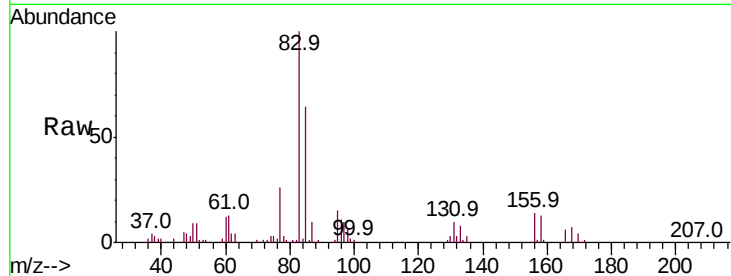
ClientSampleId :

VN0422WBS01

Tot Ion:	83	Resp:	102647
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	64.2	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 20.474 ug/l m

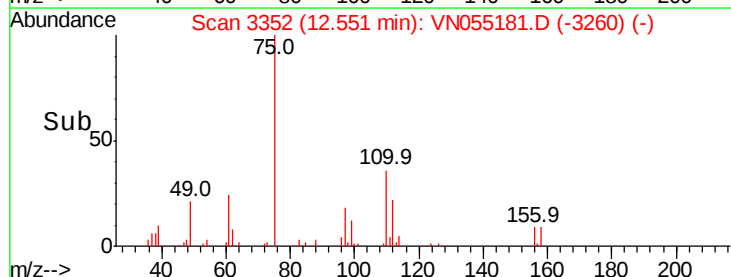
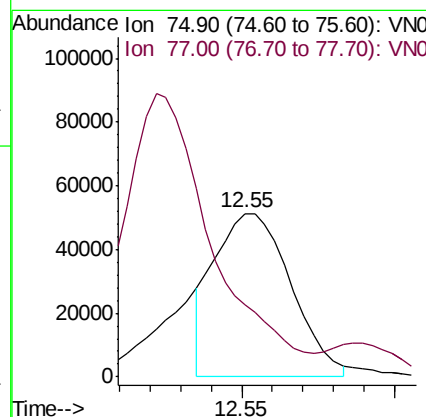
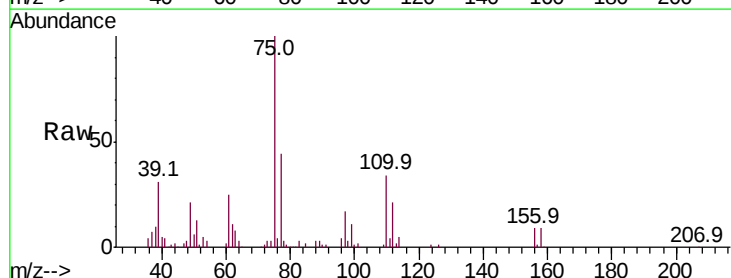
RT: 12.55 min Scan# 3352

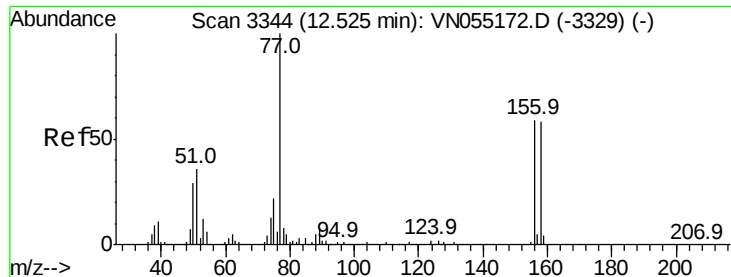
Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion:	75	Resp:	89502
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.223 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

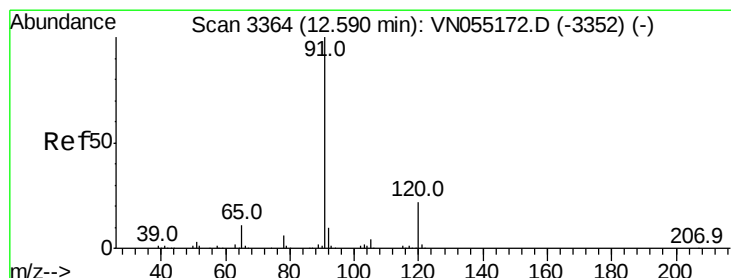
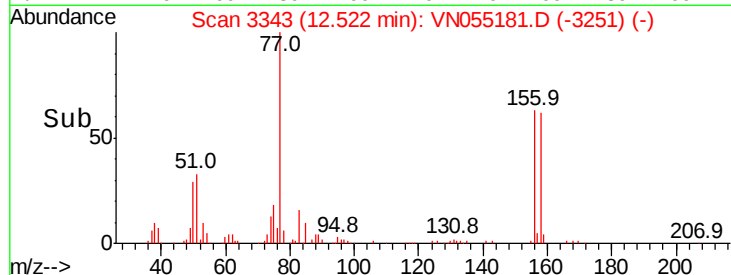
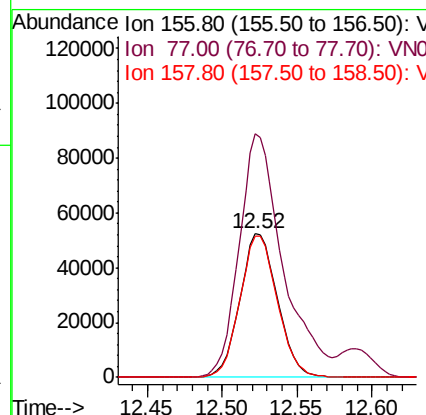
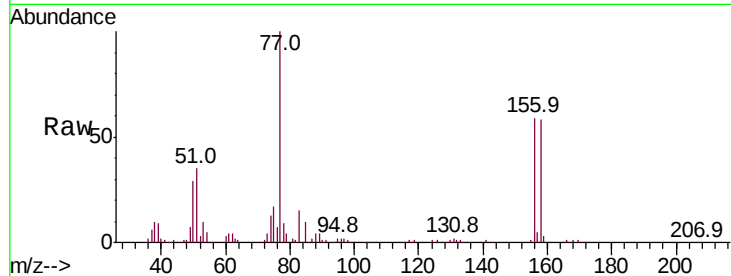
ClientSampleId :

VN0422WBS01

Tot Ion:	156	Resp:	91443
Ion	Ratio	Lower	Upper
156	100		
77	198.2	98.0	293.9
158	98.5	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.424 ug/l

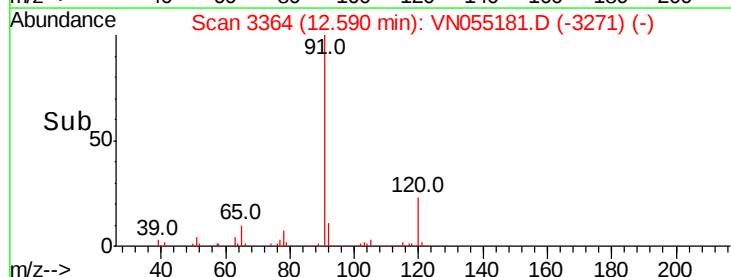
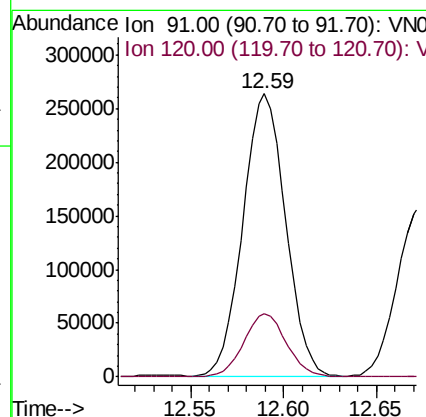
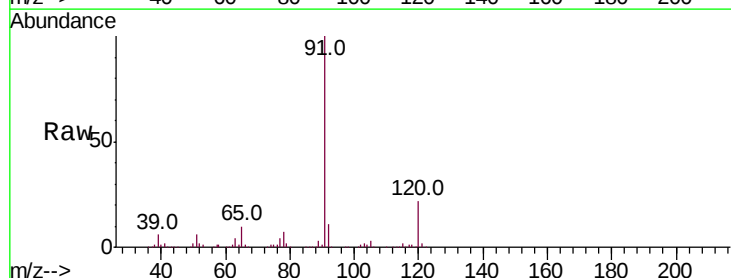
RT: 12.59 min Scan# 3364

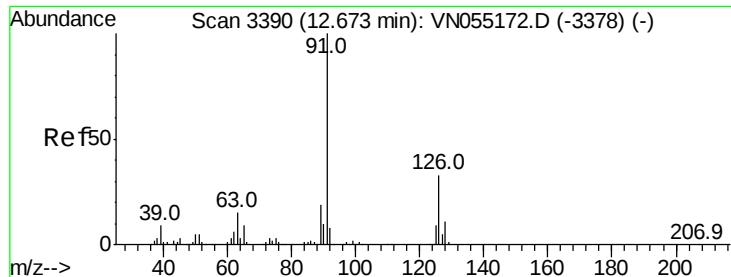
Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion:	91	Resp:	419740
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.110 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBS01

Tot Ion: 91 Resp: 260763

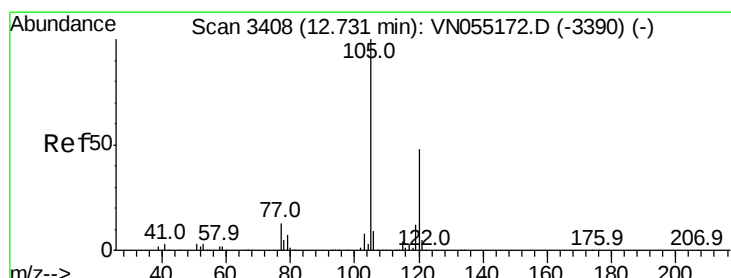
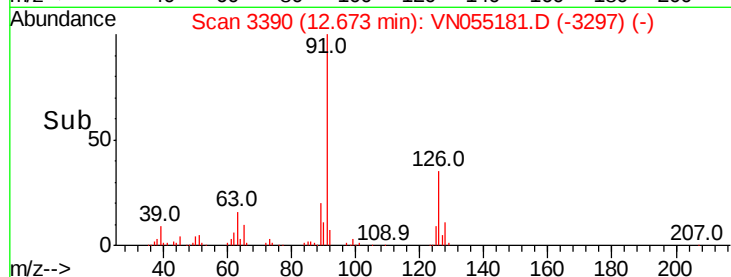
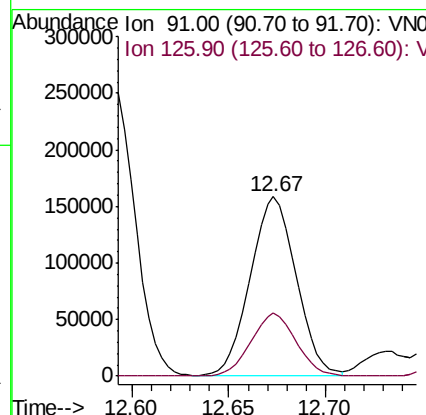
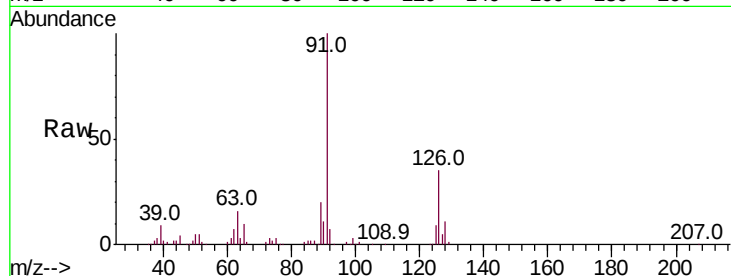
Ion Ratio Lower Upper

91 100

126 34.7 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.735 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055181.D

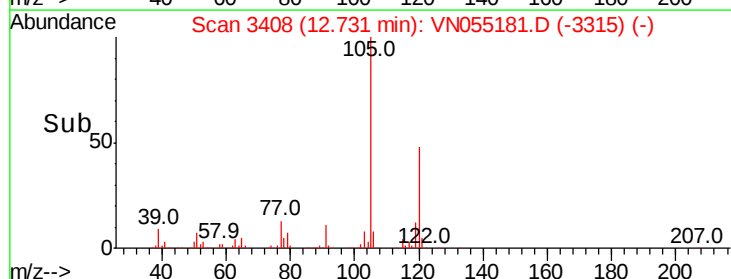
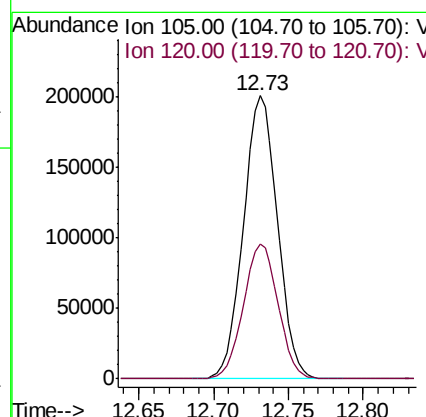
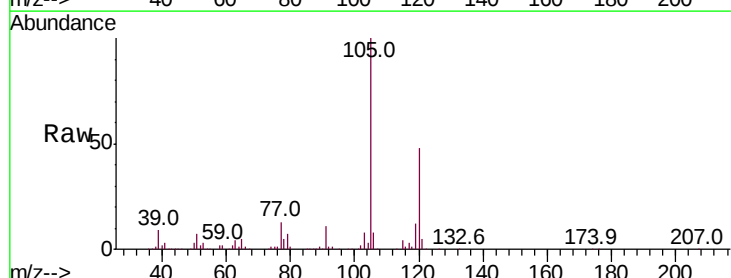
Acq: 22 Apr 2019 15:11

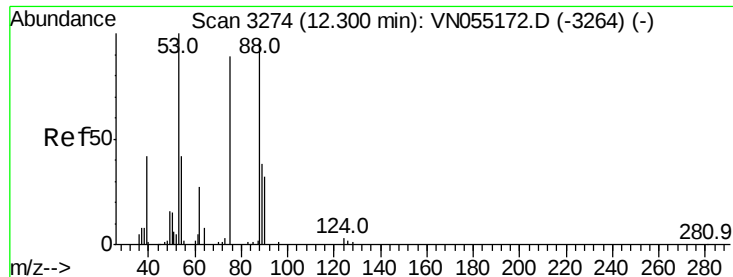
Tgt Ion: 105 Resp: 318346

Ion Ratio Lower Upper

105 100

120 48.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.787 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

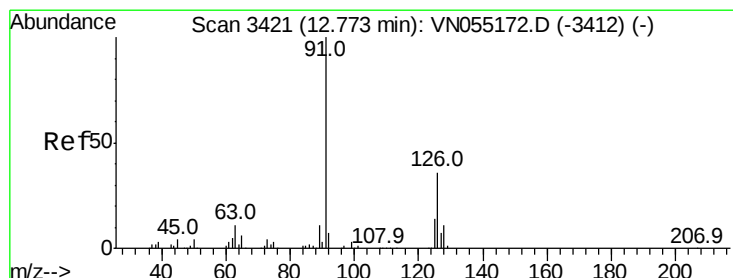
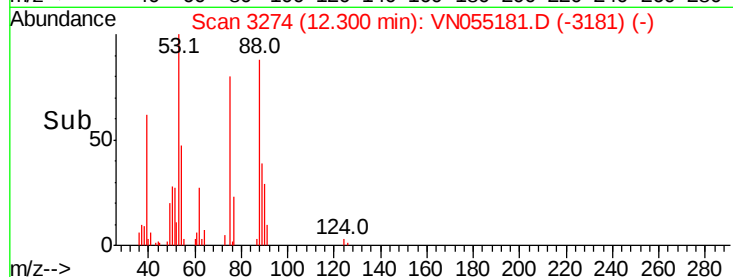
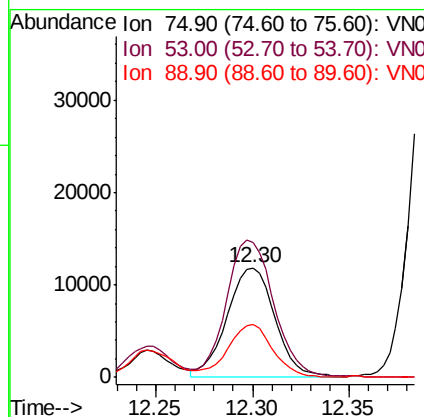
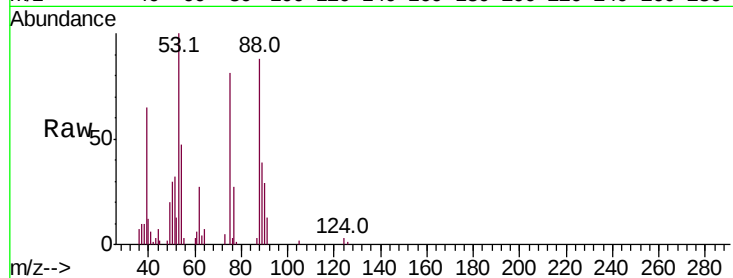
ClientSampleId :

VN0422WBS01

Tot Ion:	75	Resp:	20512
Ion Ratio	Lower	Upper	
75	100		
53	121.5	90.1	135.1
89	45.4	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.681 ug/l

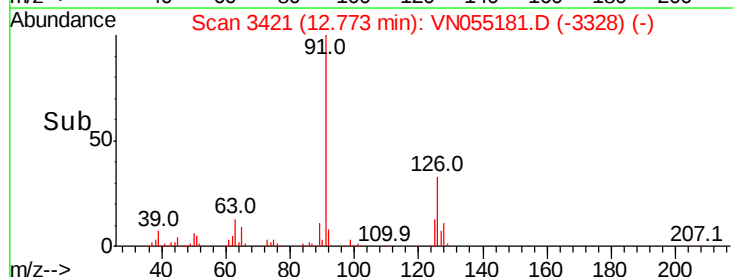
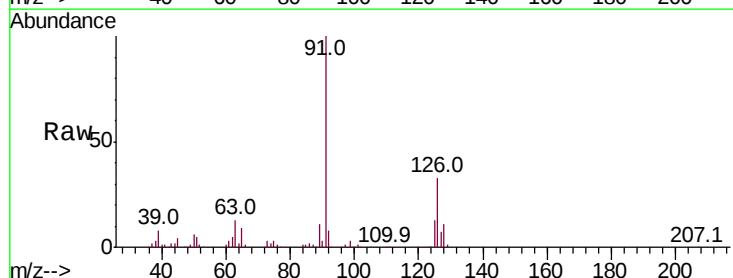
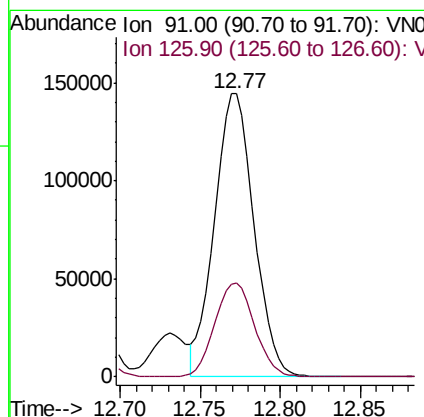
RT: 12.77 min Scan# 3421

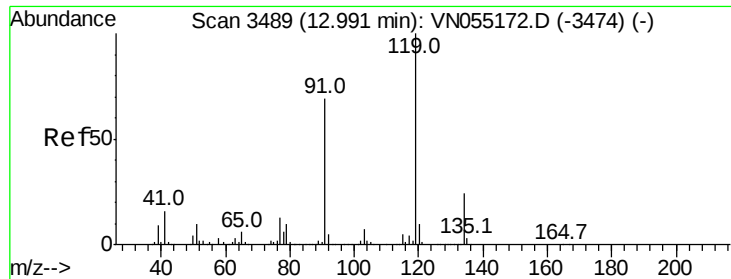
Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion:	91	Resp:	247082
Ion Ratio	Lower	Upper	
91	100		
126	33.6	16.5	49.5





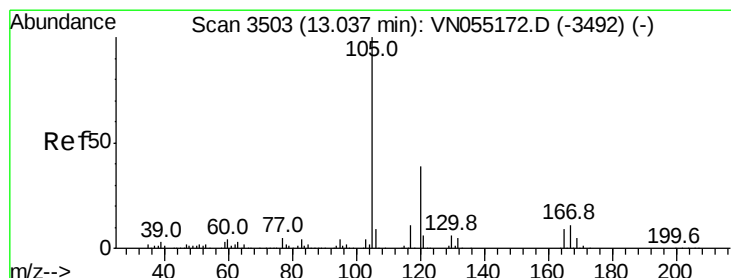
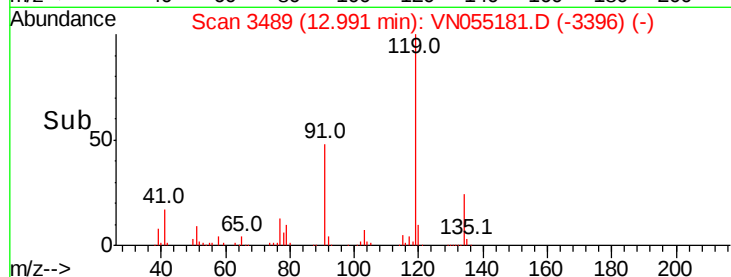
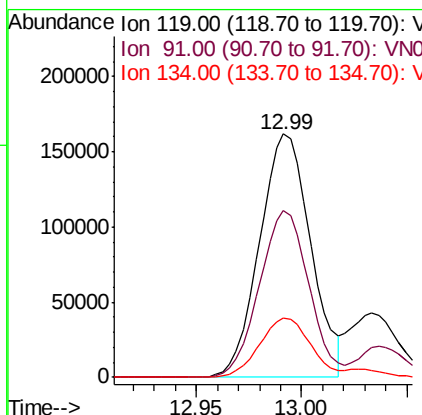
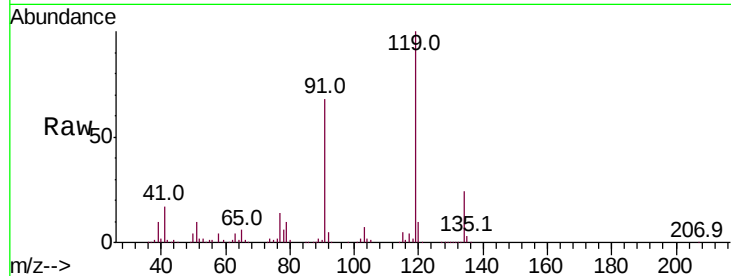
#83
 tert-Butylbenzene
 Concen: 21.275 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.8	101.3
134	24.5	13.2	39.5

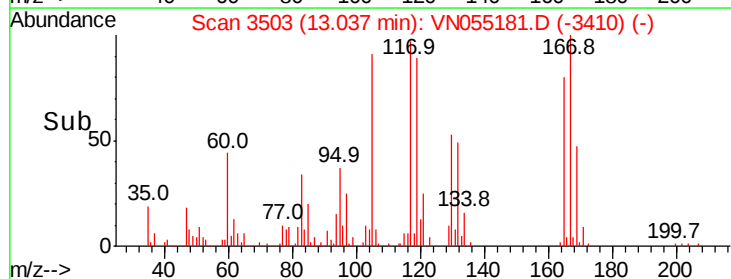
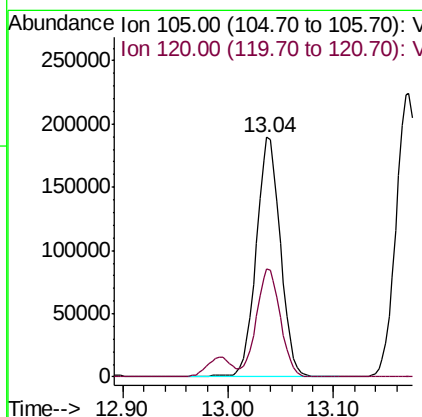
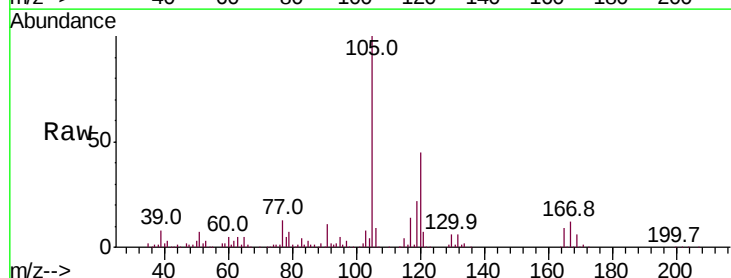
Manual Integrations
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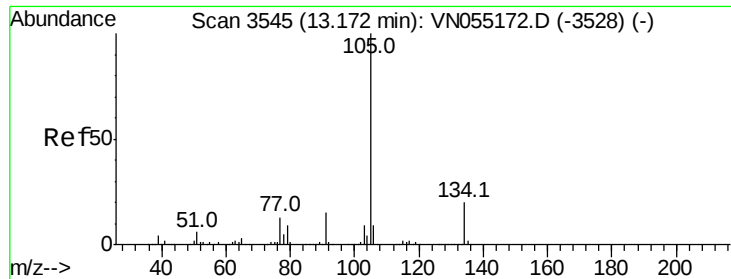
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.972 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.7	68.1





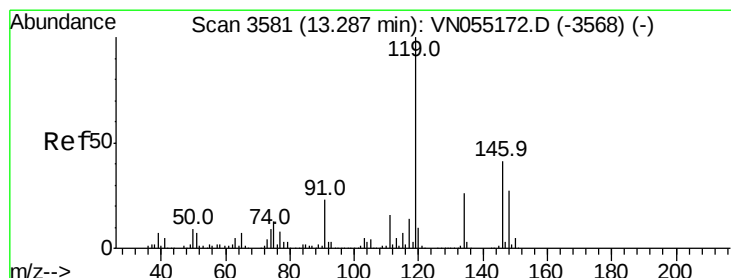
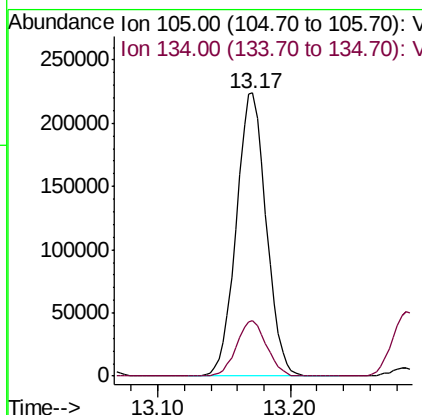
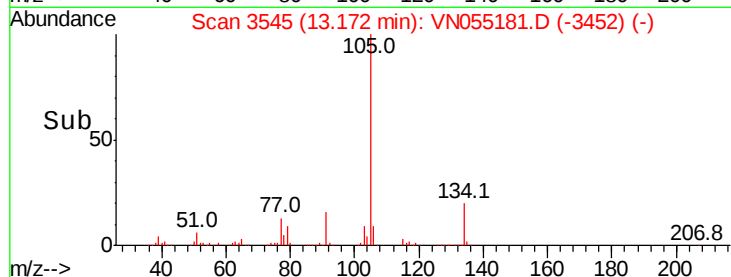
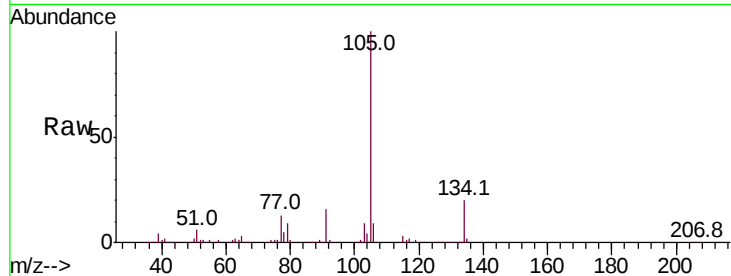
#85
 sec-Butylbenzene
 Concen: 19.213 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.0	30.0

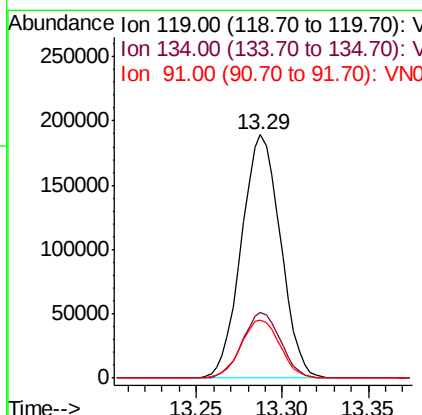
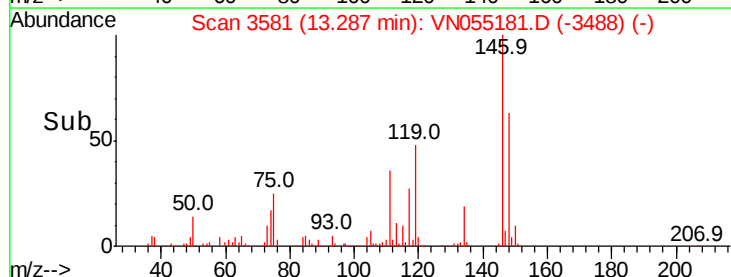
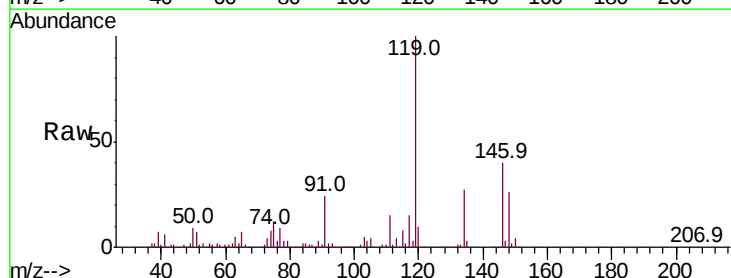
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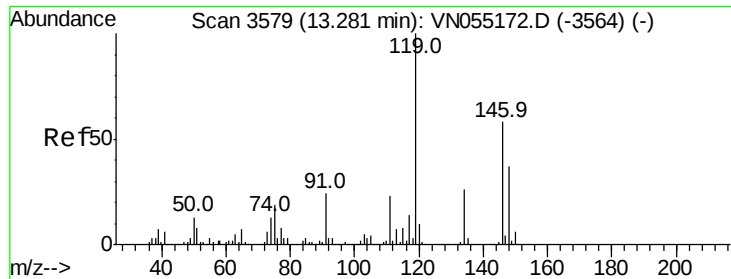
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#86
 p-Isopropyltoluene
 Concen: 19.816 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	24.1	11.8	35.3





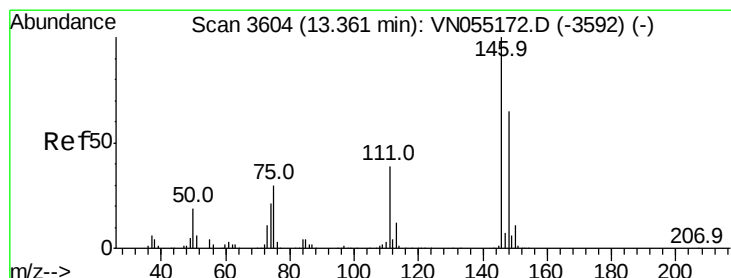
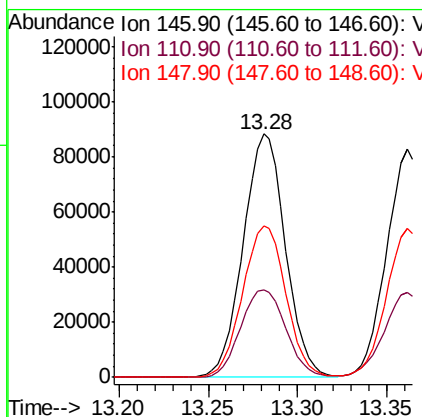
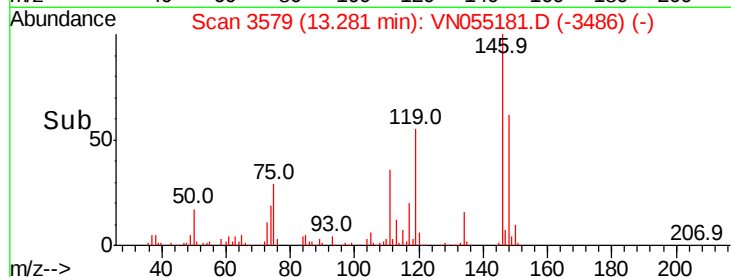
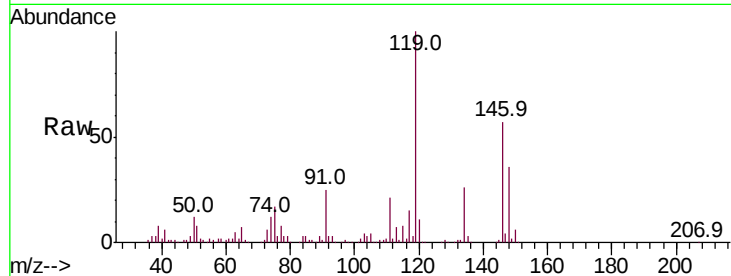
#87
 1,3-Dichlorobenzene
 Concen: 19.974 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	63.9	32.0	96.0

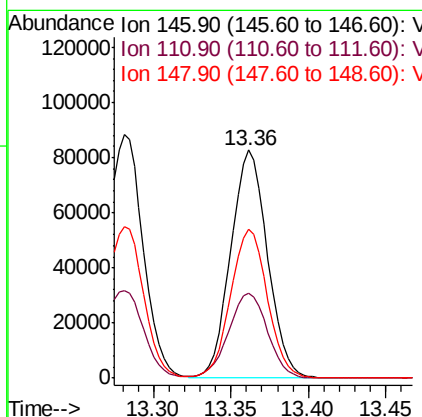
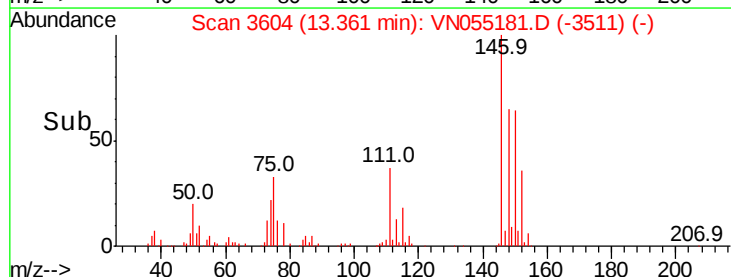
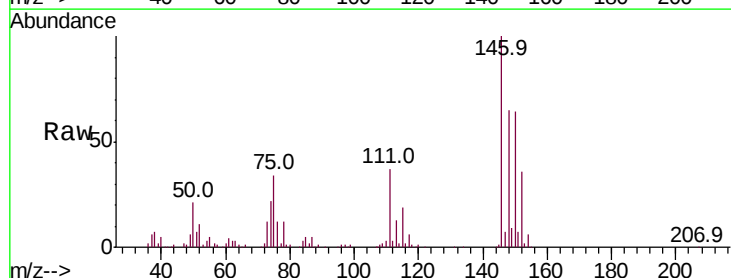
Manual Integrations
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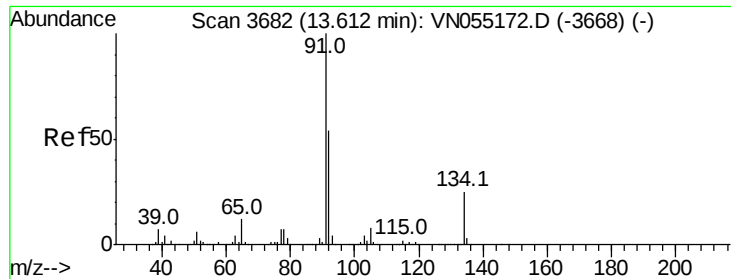
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.176 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	65.8	32.9	98.6





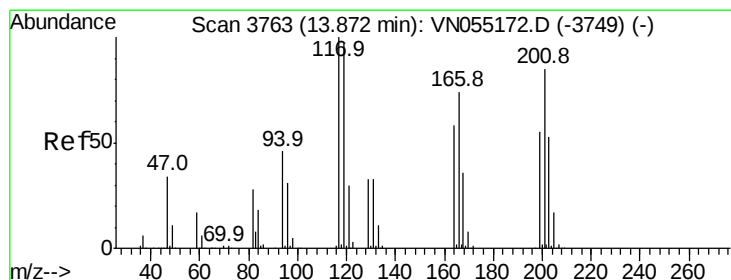
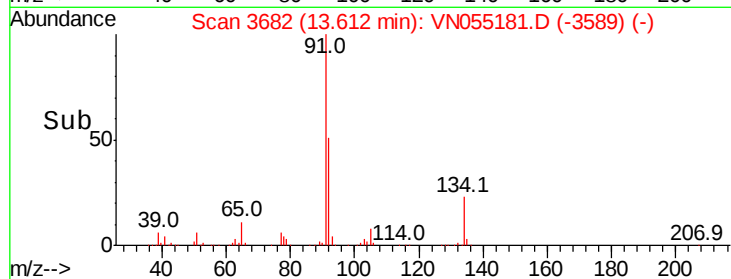
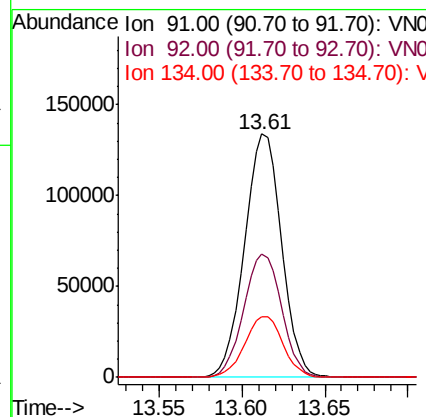
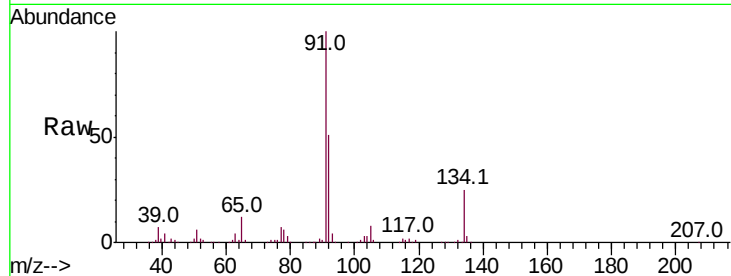
#89
n-Butylbenzene
Concen: 18.680 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	25.8	12.8	38.4

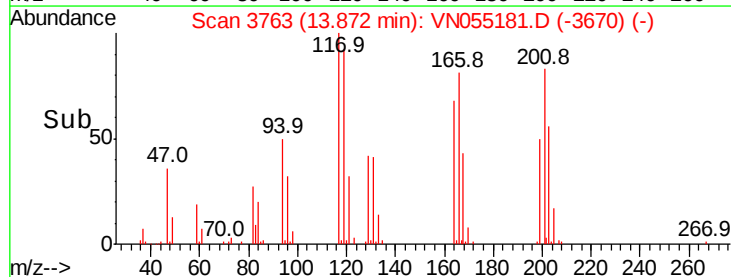
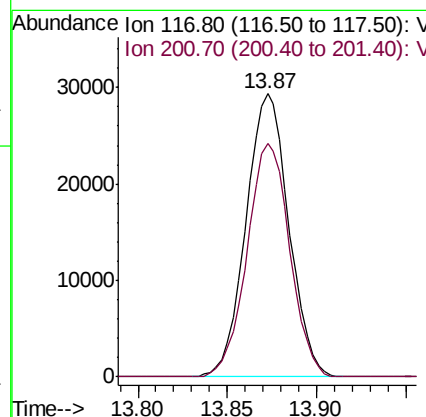
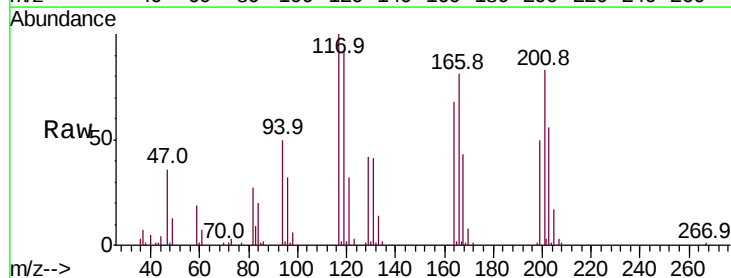
Manual Integrations
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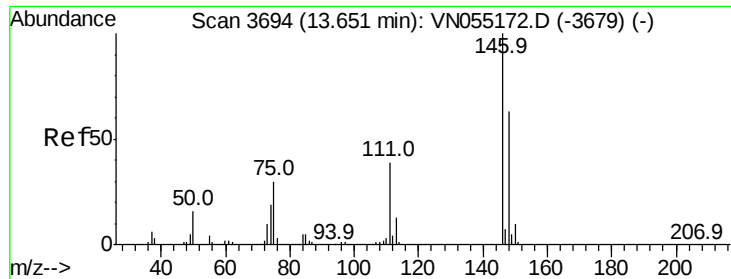
MMDadoda
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#90
Hexachloroethane
Concen: 18.379 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055181.D
Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	43.1	129.4





#91

1,2-Dichlorobenzene

Concen: 19.729 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

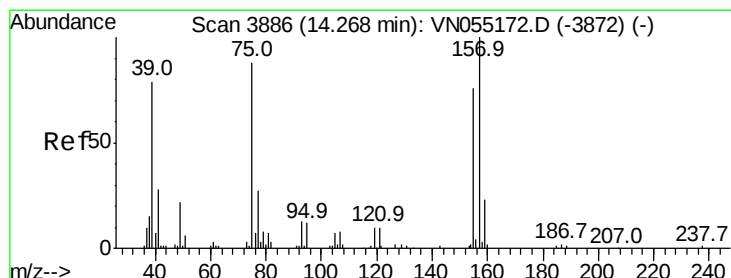
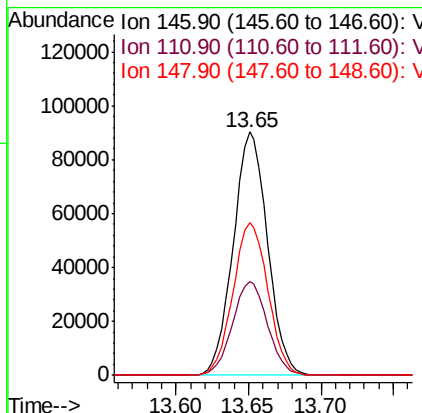
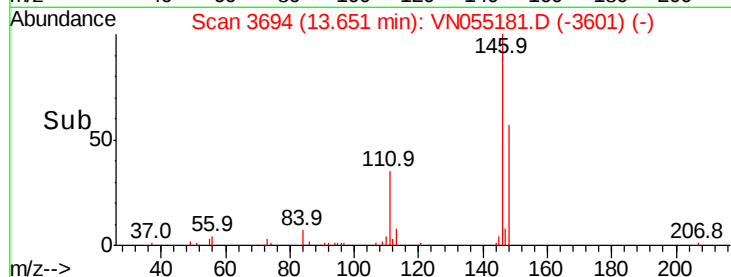
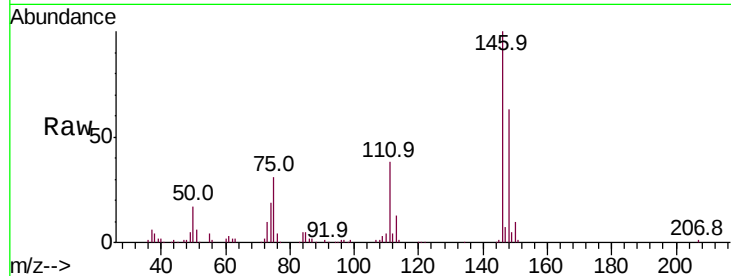
ClientSampleId :

VN0422WBS01

Tot Ion:	146	Resp:	147980
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.8	59.3
148	63.9	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.331 ug/l

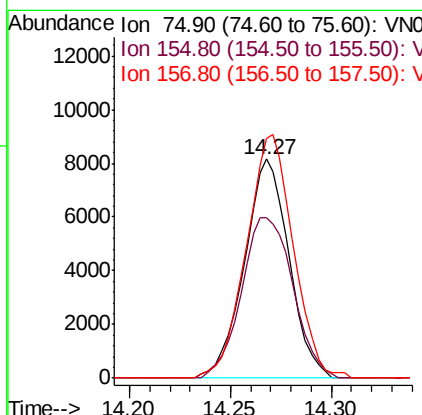
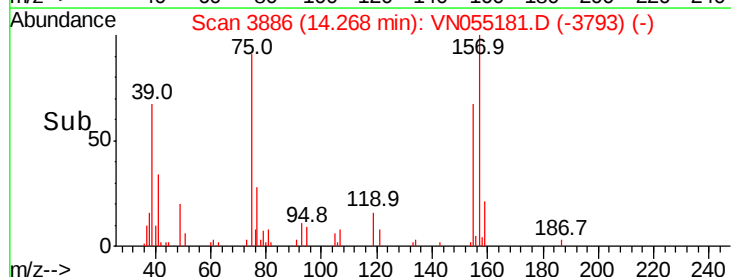
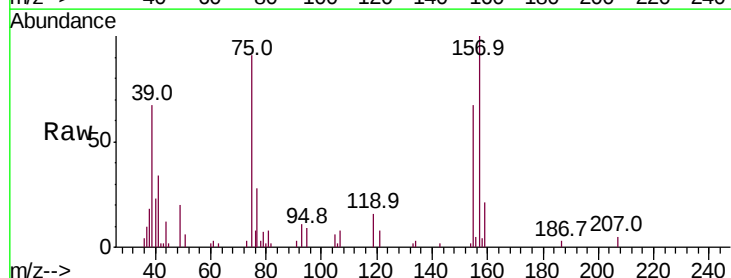
RT: 14.27 min Scan# 3886

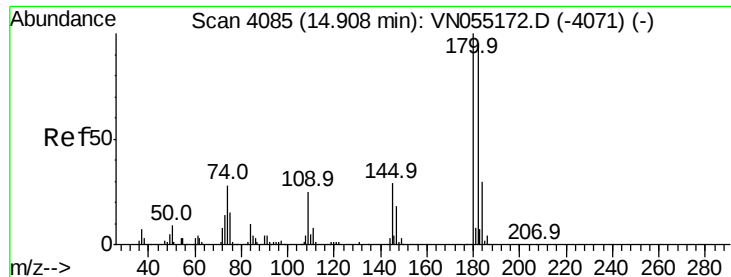
Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion:	75	Resp:	12649
Ion Ratio	Lower	Upper	
75	100		
155	84.2	43.0	129.0
157	116.4	55.7	167.1





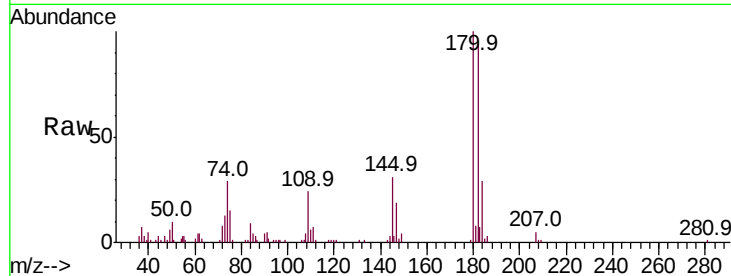
#93
 1,2,4-Trichlorobenzene
 Concen: 17.367 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	47.8	143.4	
145	30.8	14.5	43.5	

Manual Integrations
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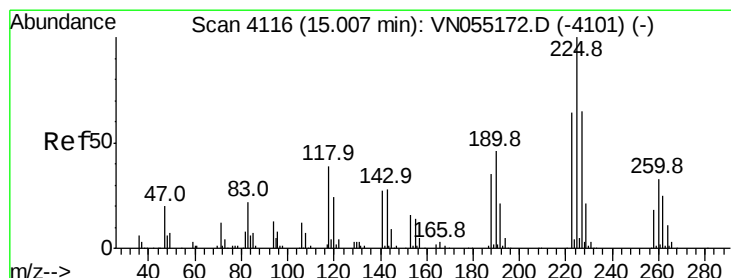
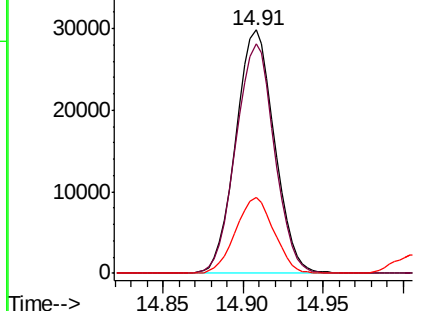
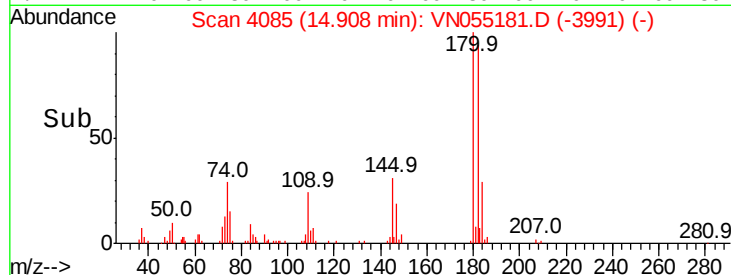


Abundance

Ion 179.80 (179.50 to 180.50): V

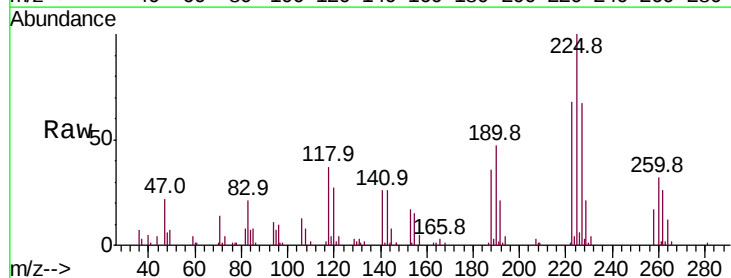
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.964 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055181.D
 Acq: 22 Apr 2019 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	32.2	96.6	
227	65.8	32.6	98.0	

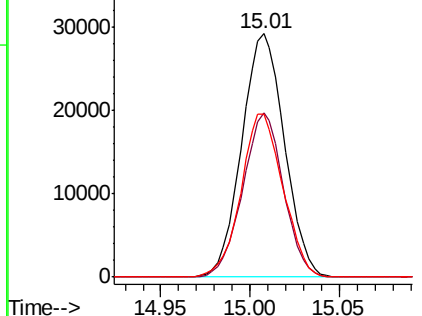
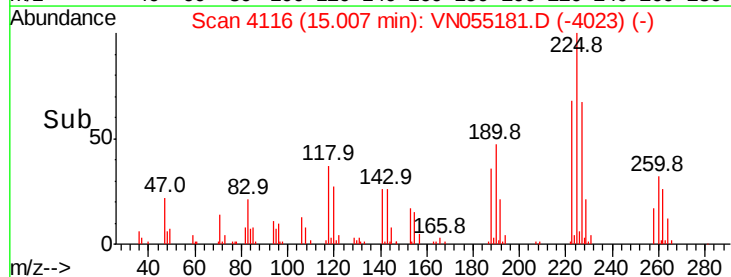


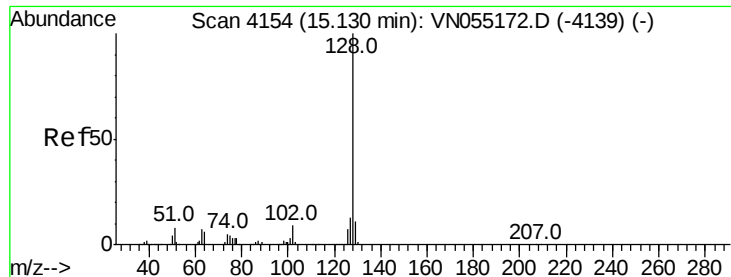
Abundance

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: 17.414 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Instrument :

MSVOA_N

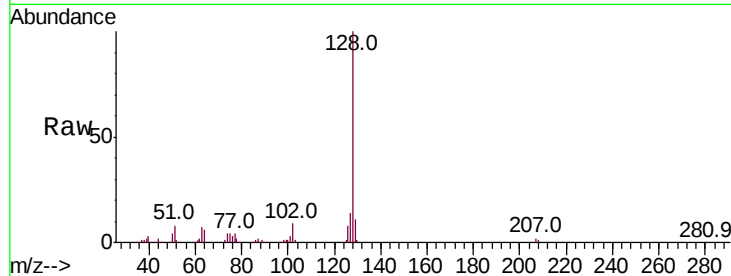
ClientSampleId :

VN0422WBS01

Tot Ion:	128	Resp:	104204
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.3	8.8	13.2

Manual Integrations
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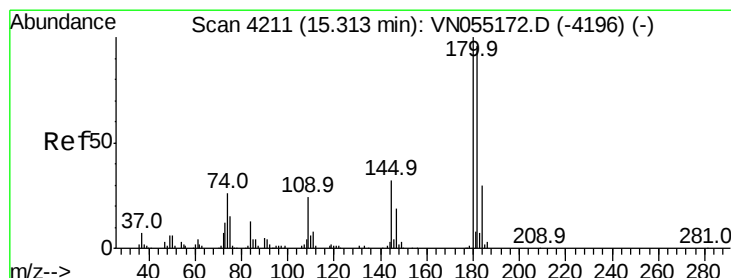
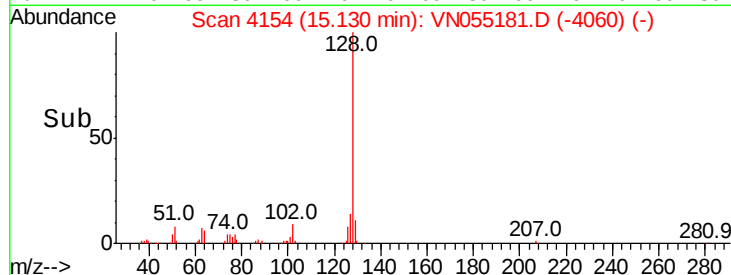
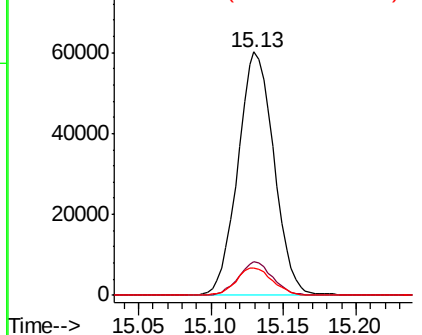


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.994 ug/l

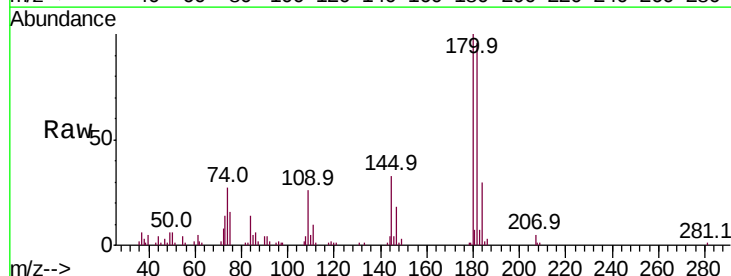
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055181.D

Acq: 22 Apr 2019 15:11

Tgt Ion:	180	Resp:	52160
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.2	141.6
145	31.4	15.4	46.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

