

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051963.D
 Acq On : 23 Oct 2018 14:27
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:27 AM

Quant Time: Oct 24 04:40:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1186157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1739669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1680547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	999590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1038264	98.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.56%	
35) Dibromofluoromethane	7.59	113	1102249	99.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.58%	
50) Toluene-d8	10.09	98	4043368	100.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.58%	
62) 4-Bromofluorobenzene	12.40	95	1465712	106.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	721588	95.863	ug/l	99
3) Chloromethane	2.06	50	644810	95.139	ug/l	97
4) Vinyl Chloride	2.19	62	877811	96.627	ug/l	99
5) Bromomethane	2.56	94	866169	99.582	ug/l	98
6) Chloroethane	2.70	64	657939	97.552	ug/l	99
7) Trichlorofluoromethane	3.02	101	1551799	95.866	ug/l	98
8) Diethyl Ether	3.41	74	473289	98.343	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	933198	96.238	ug/l	98
10) Methyl Iodide	3.96	142	1515186	105.613	ug/l	99
11) Tert butyl alcohol	4.78	59	295929	538.190	ug/l	98
12) 1,1-Dichloroethene	3.74	96	859453	98.970	ug/l	99
13) Acrolein	3.61	56	168941	618.050	ug/l	98
14) Allyl chloride	4.33	41	863758	104.383	ug/l	94
15) Acrylonitrile	4.99	53	1238221	551.444	ug/l	99
16) Acetone	3.82	43	868968	499.258	ug/l	100
17) Carbon Disulfide	4.06	76	2170210	105.134	ug/l	100
18) Methyl Acetate	4.32	43	558277	95.063	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2407883	103.277	ug/l	97
20) Methylene Chloride	4.55	84	958895	93.914	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	986861	100.344	ug/l	99
22) Diisopropyl ether	5.95	45	2112215	102.749	ug/l	99
23) Vinyl Acetate	5.90	43	7676181	536.736	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1523082	99.231	ug/l	99
25) 2-Butanone	6.84	43	1349340	543.808	ug/l	98
26) 2,2-Dichloropropane	6.83	77	1440997	102.612	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1179595	103.127	ug/l	97
28) Bromochloromethane	7.20	49	637974	103.130	ug/l	92
29) Tetrahydrofuran	7.21	42	863185	513.453	ug/l	99
30) Chloroform	7.37	83	1874761	100.031	ug/l	99
31) Cyclohexane	7.66	56	1231064	74.455	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1772393	103.418	ug/l	99
36) 1,1-Dichloropropene	7.80	75	1329121	99.598	ug/l	99
37) Ethyl Acetate	6.93	43	631342	107.868	ug/l	98
38) Carbon Tetrachloride	7.78	117	1620952	105.806	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1666311	102.233	ug/l	98
40) Benzene	8.04	78	3986571	100.614	ug/l	99
41) Methacrylonitrile	7.18	41	324922	108.353	ug/l	94
42) 1,2-Dichloroethane	8.13	62	1255312	98.812	ug/l	100
43) Isopropyl Acetate	8.17	43	1202878	107.631	ug/l	98
44) Trichloroethene	8.84	130	1296191	101.918	ug/l	97
45) 1,2-Dichloropropane	9.12	63	903304	100.780	ug/l	97
46) Dibromomethane	9.21	93	739132	102.298	ug/l	97
47) Bromodichloromethane	9.40	83	1432774	105.000	ug/l	98
48) Methyl methacrylate	9.20	41	566771	104.921	ug/l	100
49) 1,4-Dioxane	9.20	88	217228	2193.081	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3297050	536.326	ug/l	100
52) Toluene	10.16	92	2814543	104.753	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1450725	116.036	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1579679	110.758	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1032832	104.040	ug/l	99
56) Ethyl methacrylate	10.43	69	1199791	112.433	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1552958	103.044	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	3043055	545.001	ug/l	99
59) 2-Hexanone	10.75	43	2305371	558.140	ug/l	99
60) Dibromochloromethane	10.90	129	1328344	119.401	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1146812	109.563	ug/l	99
64) Tetrachloroethene	10.63	164	1294673	100.372	ug/l	97
65) Chlorobenzene	11.43	112	3412588	100.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1312461	107.615	ug/l	100
67) Ethyl Benzene	11.51	91	5568292	102.094	ug/l	99
68) m/p-Xylenes	11.62	106	4675963	214.578	ug/l	98
69) o-Xylene	11.95	106	2249938	106.163	ug/l	98
70) Styrene	11.96	104	3730657	110.136	ug/l	99
71) Bromoform	12.13	173	960533	129.115	ug/l #	99
73) Isopropylbenzene	12.25	105	6060607	95.602	ug/l	99
74) N-amyl acetate	12.07	43	1212065	97.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1253316	95.681	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	978262m	96.099	ug/l	
77) Bromobenzene	12.53	156	1747220	99.867	ug/l	96
78) n-propylbenzene	12.59	91	6609441	96.649	ug/l	100
79) 2-Chlorotoluene	12.67	91	3767818	94.611	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5072896	99.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	338108	121.477	ug/l	95
82) 4-Chlorotoluene	12.77	91	3987878	96.718	ug/l	99
83) tert-Butylbenzene	12.99	119	4735016	98.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	5214244	99.388	ug/l	100
85) sec-Butylbenzene	13.17	105	6158672	98.025	ug/l	99
86) p-Isopropyltoluene	13.29	119	5756234	101.764	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3246115	100.598	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3219819	101.213	ug/l	99
89) n-Butylbenzene	13.62	91	4541008	100.821	ug/l	99
90) Hexachloroethane	13.88	117	906139	107.529	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	3106001	99.500	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	200931	99.906	ug/l	94

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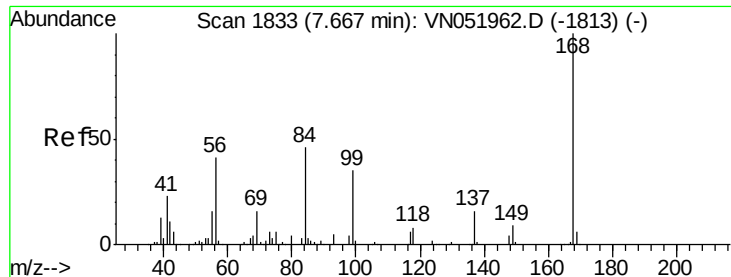
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1909109	103.533	ug/l	99
94) Hexachlorobutadiene	15.01	225	923701	97.490	ug/l	99
95) Naphthalene	15.13	128	4350774	108.644	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1801898	102.233	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1186157

Ion Ratio Lower Upper

168 100

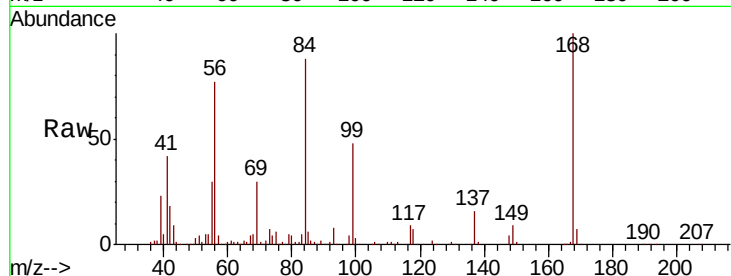
99 47.7 37.8 56.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

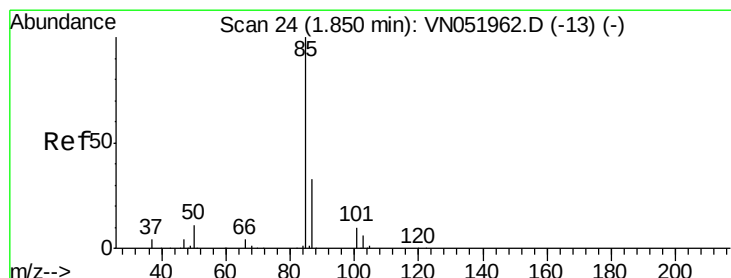
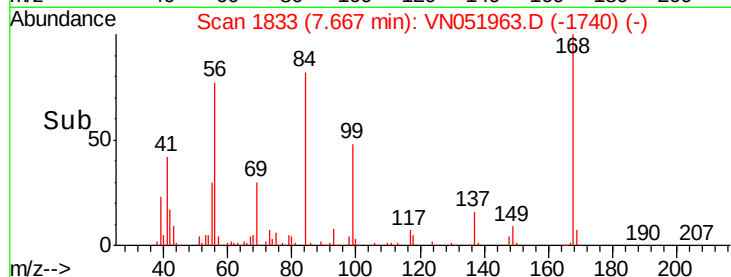
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 95.863 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051963.D

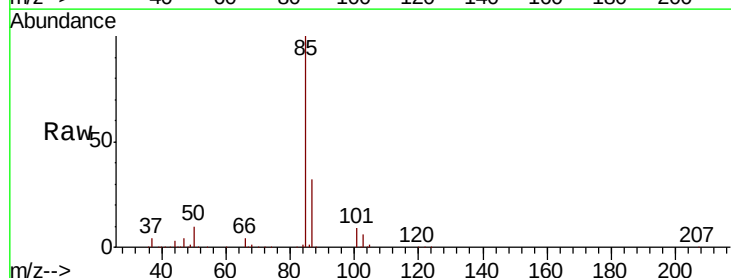
Acq: 23 Oct 2018 14:27

Tgt Ion: 85 Resp: 721588

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

500000

400000

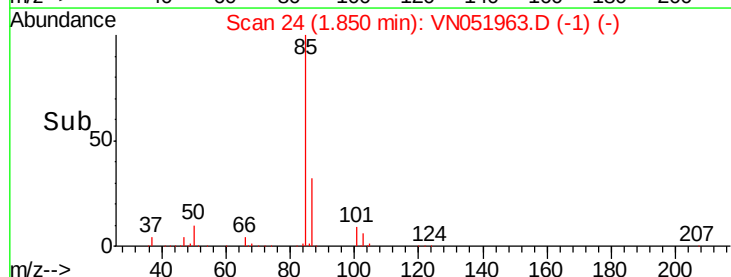
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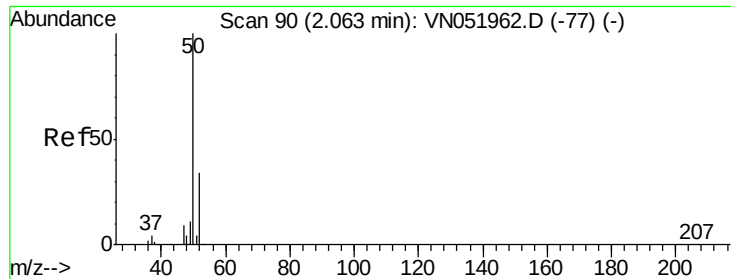
200000

100000

0

Time-->





#3

Chloromethane

Concen: 95.139 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 644810

Ion Ratio Lower Upper

50 100

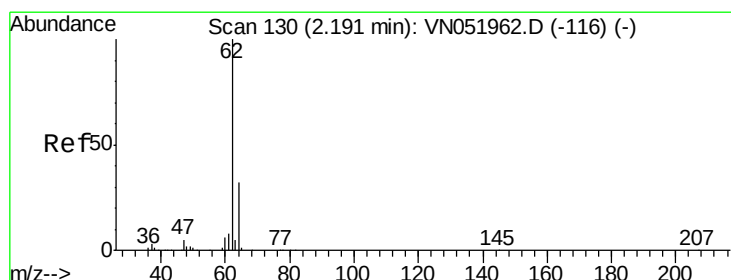
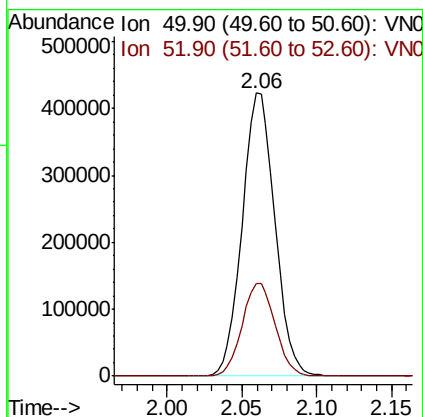
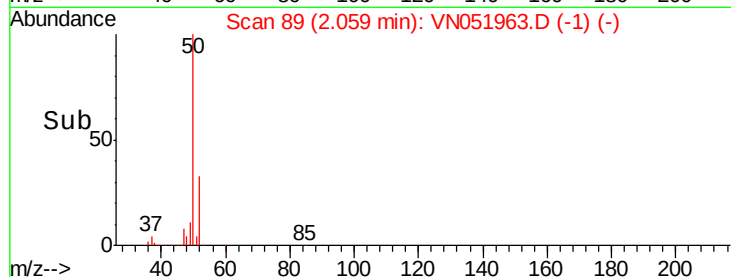
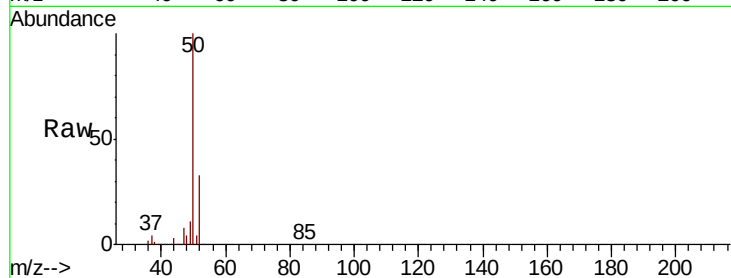
52 32.6 27.5 41.3

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#4

Vinyl Chloride

Concen: 96.627 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN051963.D

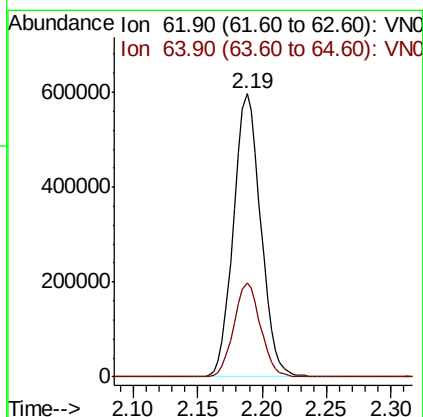
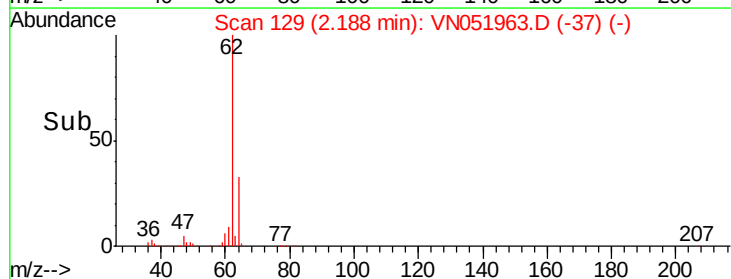
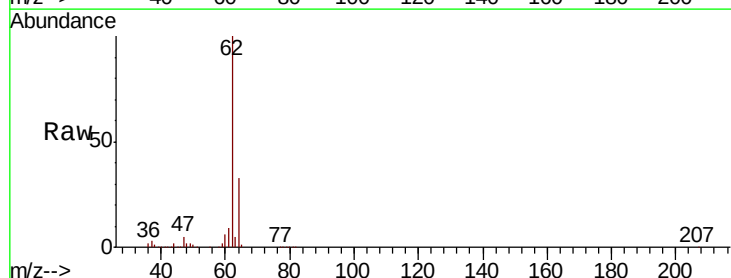
Acq: 23 Oct 2018 14:27

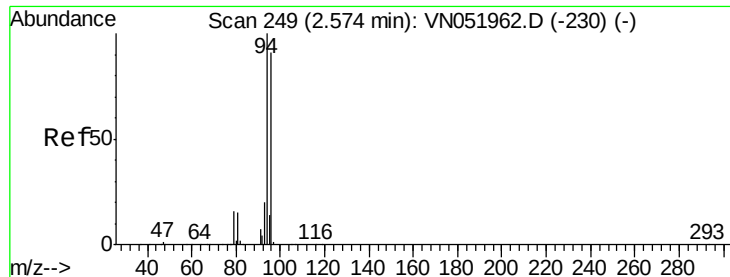
Tgt Ion: 62 Resp: 877811

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0





#5

Bromomethane

Concen: 99.582 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 866169

Ion Ratio Lower Upper

94 100

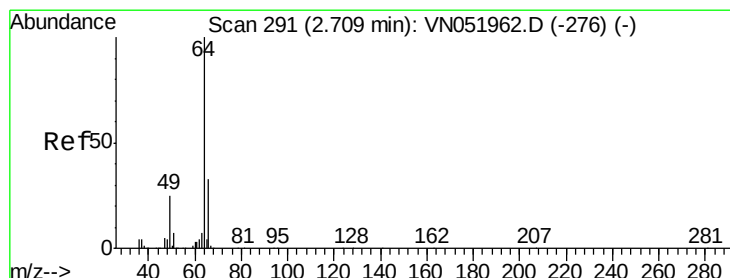
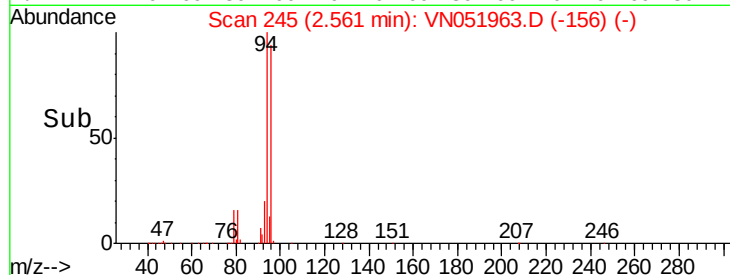
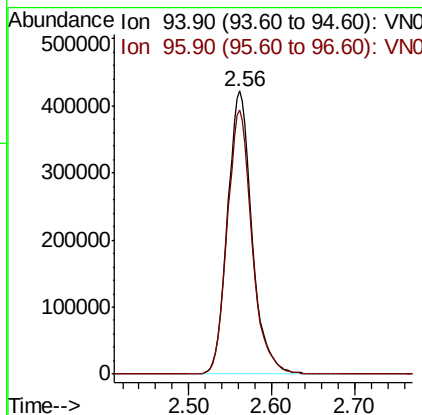
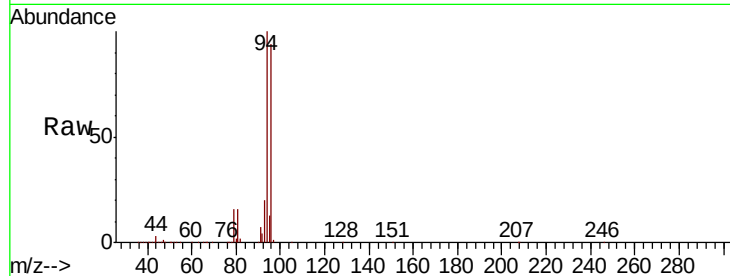
96 93.5 73.0 109.6

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#6

Chloroethane

Concen: 97.552 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN051963.D

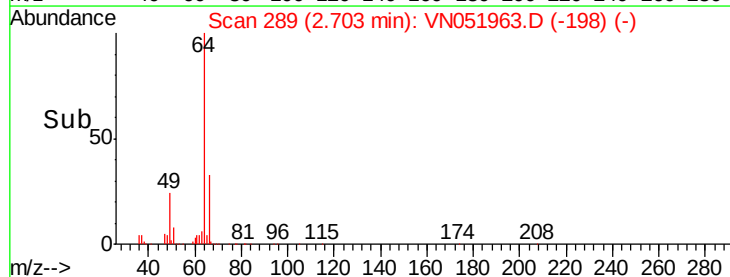
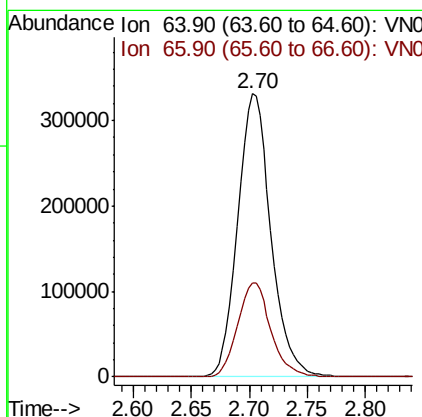
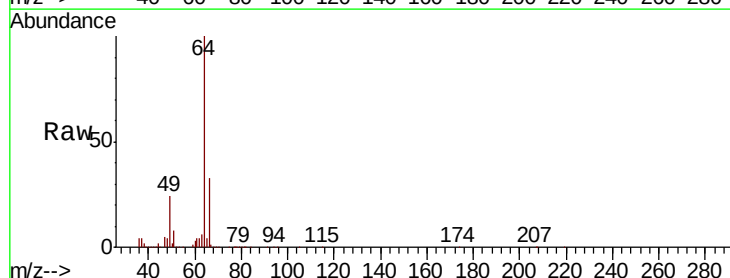
Acq: 23 Oct 2018 14:27

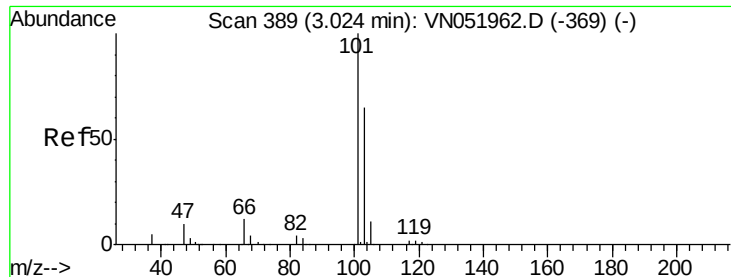
Tgt Ion: 64 Resp: 657939

Ion Ratio Lower Upper

64 100

66 33.1 26.2 39.2





#7

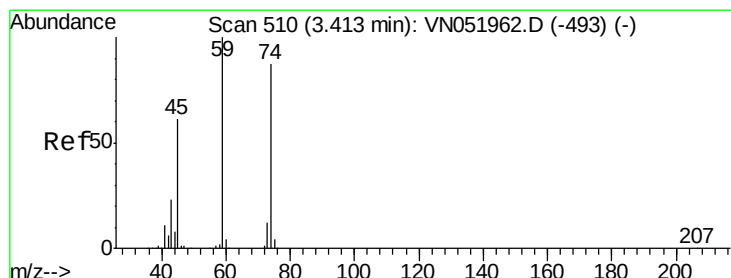
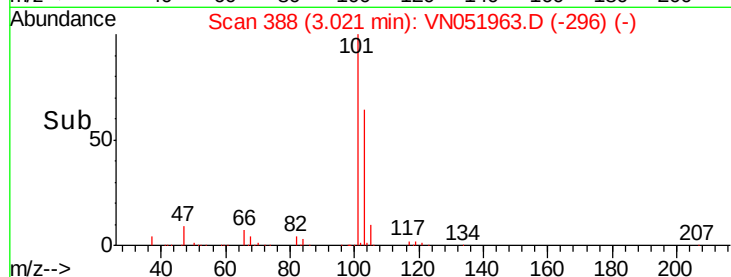
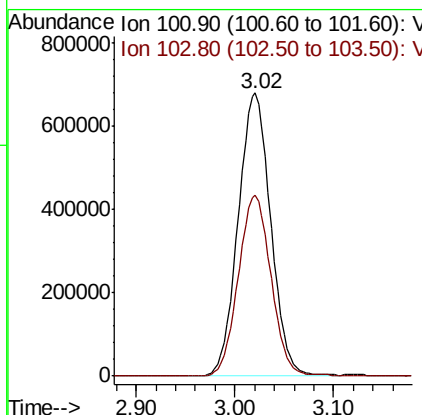
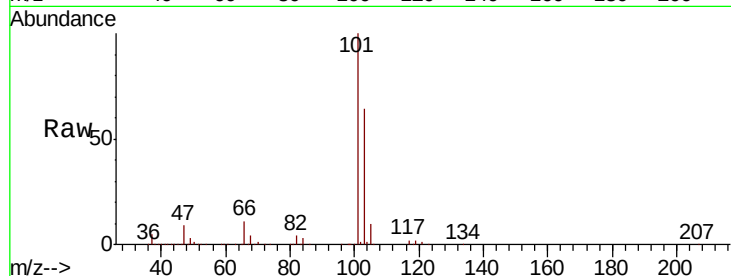
Trichlorofluoromethane
 Concen: 95.866 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 1551799
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.0 78.0

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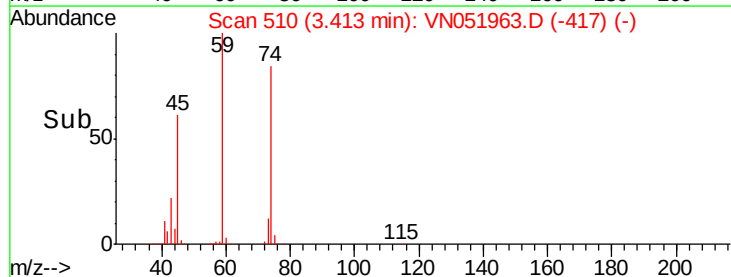
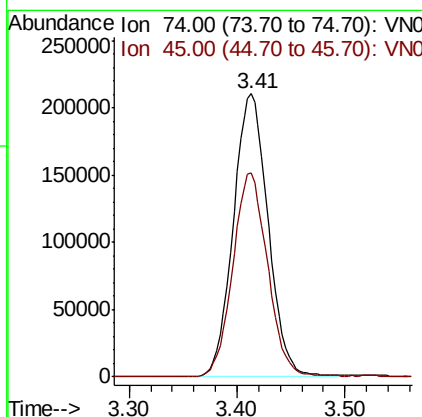
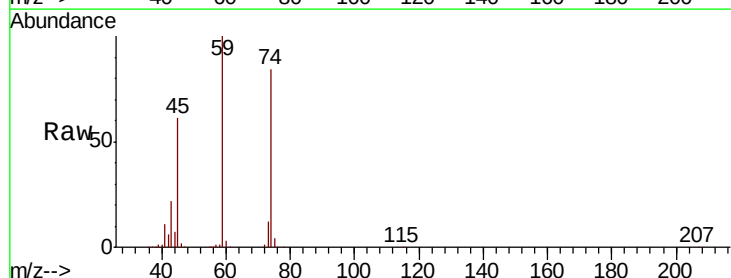
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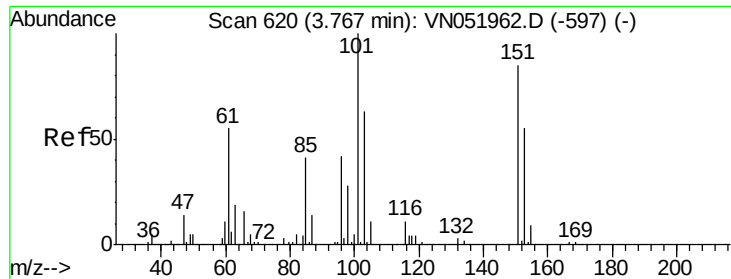


#8

Diethyl Ether
 Concen: 98.343 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion: 74 Resp: 473289
 Ion Ratio Lower Upper
 74 100
 45 71.9 35.5 106.5





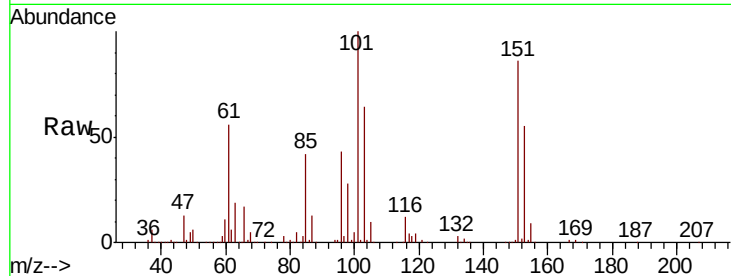
#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.238 ug/l
RT: 3.76 min Scan# 619
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

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VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	933198		
85	42.3	34.2	51.4	
151	84.7	69.1	103.7	

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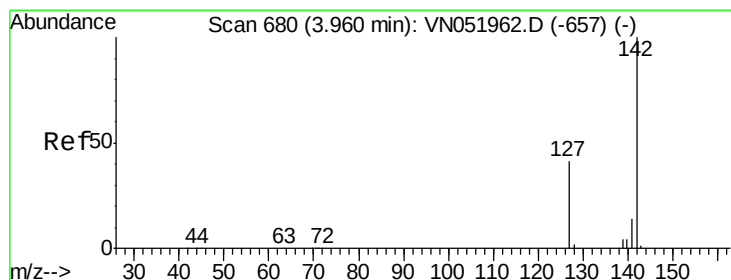
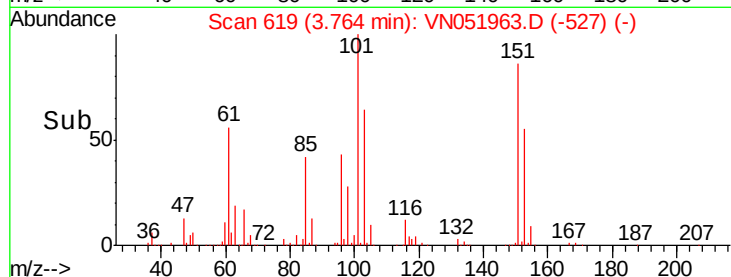
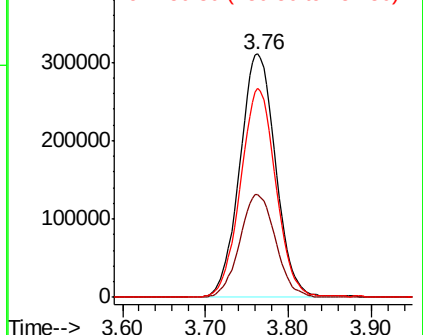


Abundance

Ion 100.90 (100.60 to 101.60): V

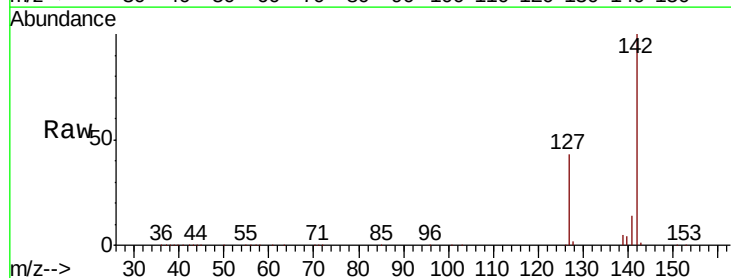
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 105.613 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1515186		
127	42.5	34.3	51.5	
141	14.4	11.4	17.0	

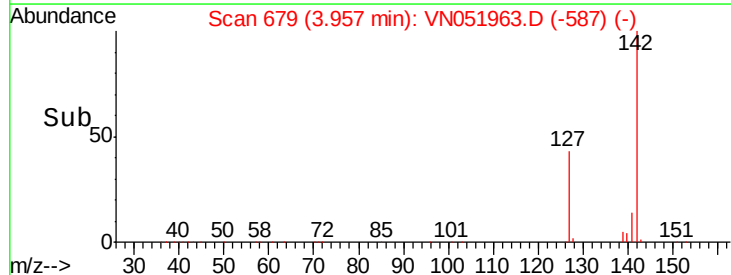
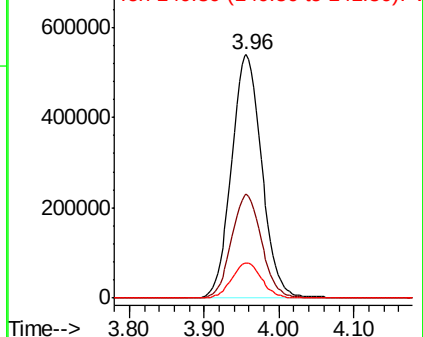


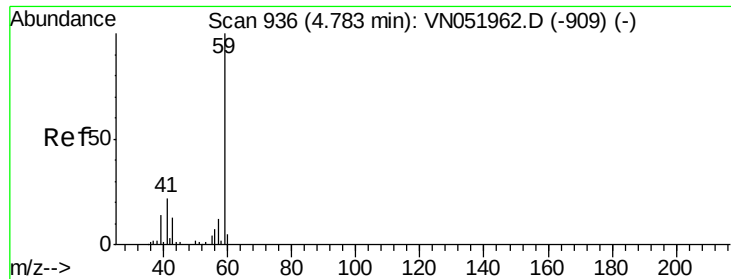
Abundance

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

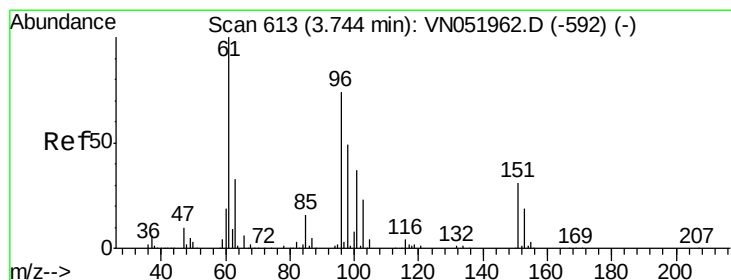
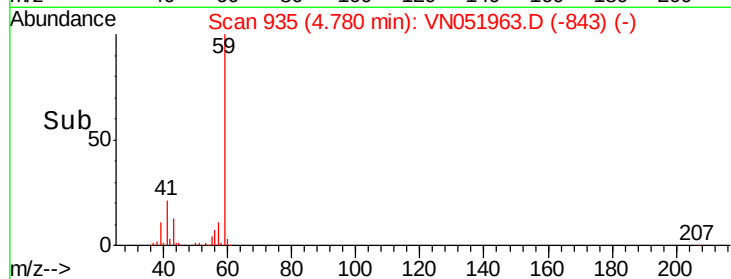
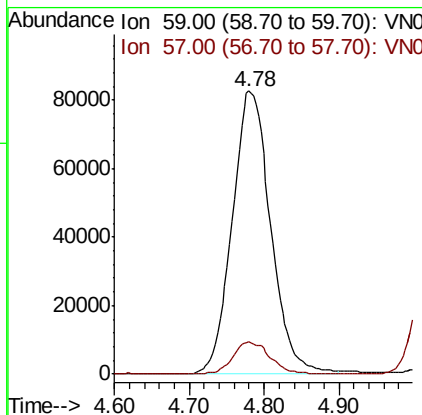
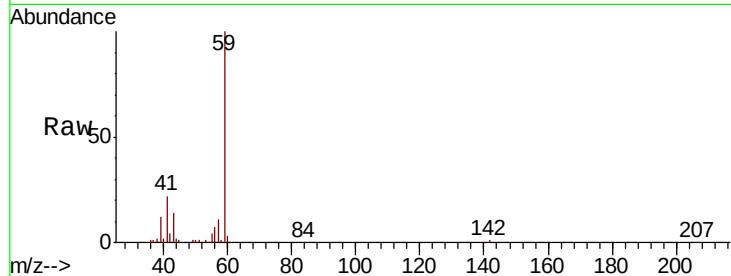
Tert butyl alcohol
Concen: 538.190 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	295929
Ion Ratio	100	Lower	Upper
57	11.1	8.2	12.4

Manual Integrations
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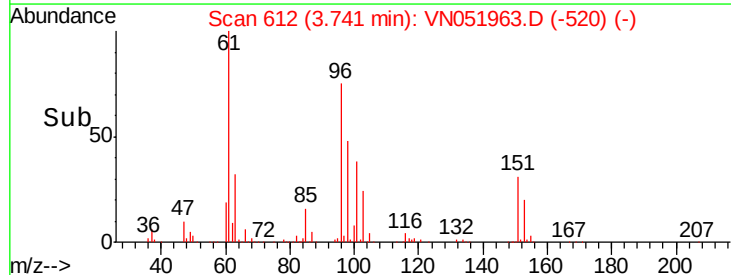
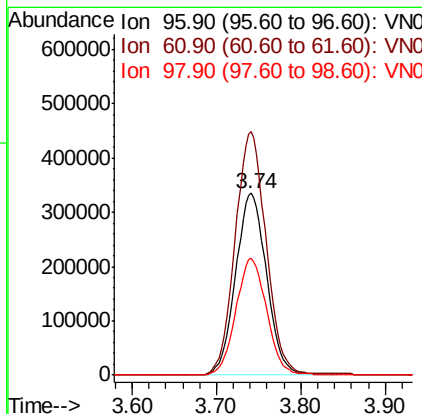
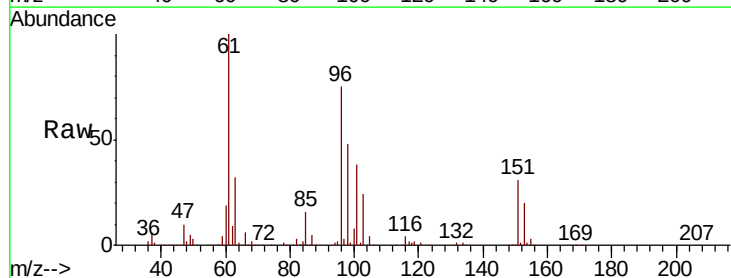
MMDadoda
10/24/2018 10:09:27 AM

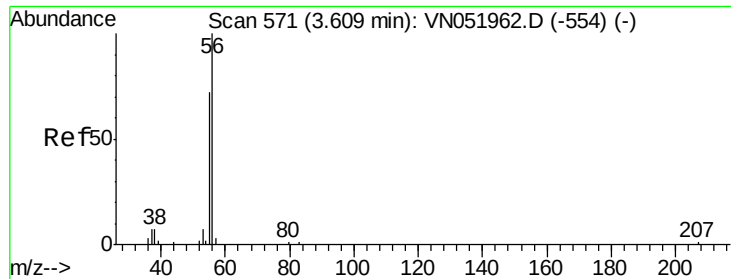


#12

1,1-Dichloroethene
Concen: 98.970 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	96	Resp	859453
Ion Ratio	100	Lower	Upper
61	134.0	107.8	161.8
98	64.1	52.7	79.1





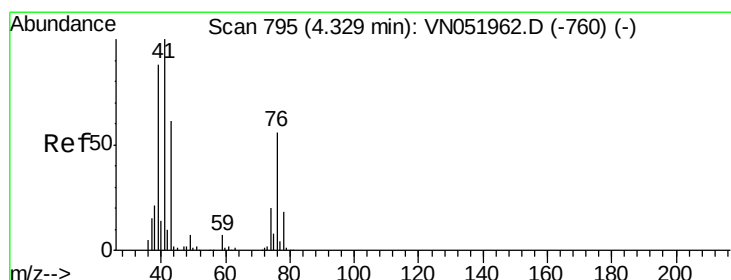
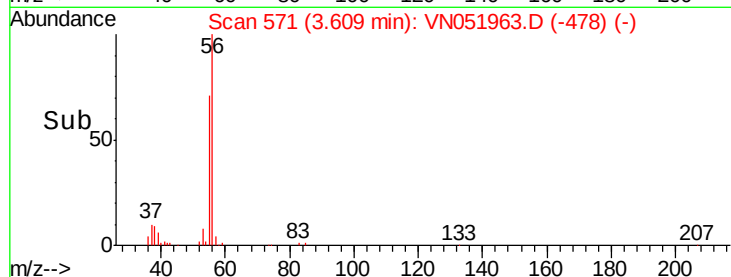
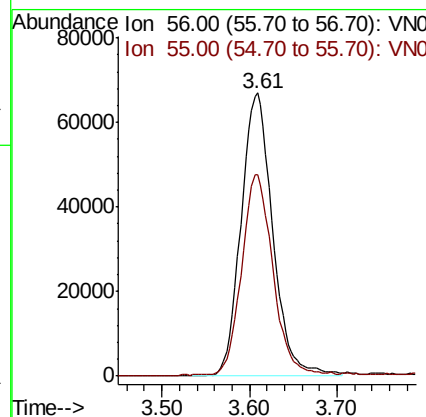
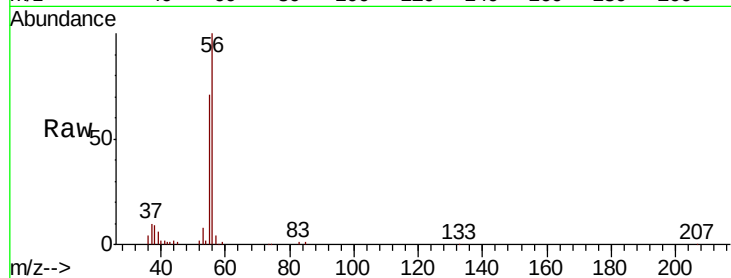
#13
Acrolein
Concen: 618.050 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	68.9	56.6	84.8	

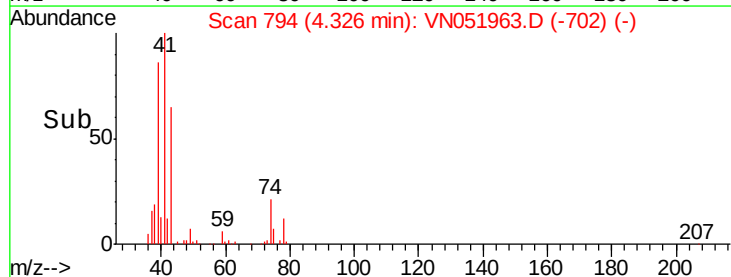
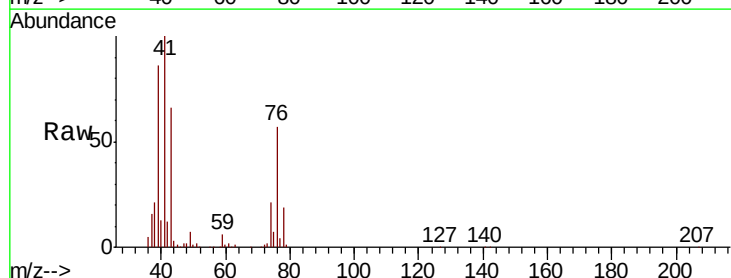
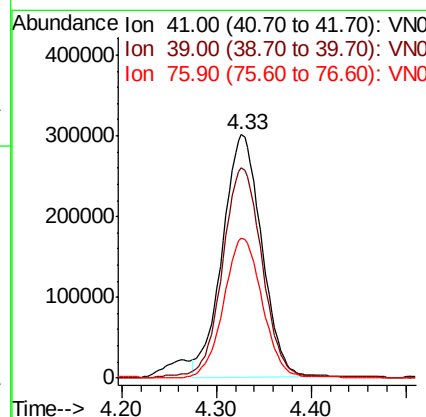
Manual Integrations
APPROVED

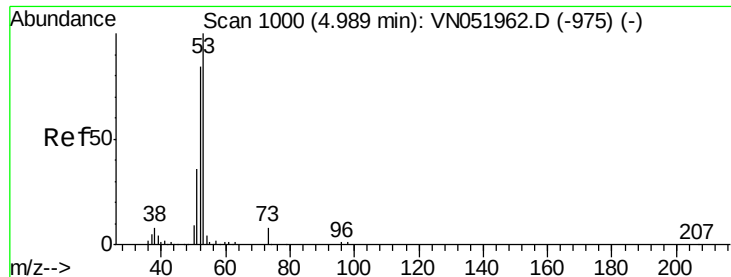
MMDadoda
10/24/2018 10:09:27 AM



#14
Allyl chloride
Concen: 104.383 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	89.0	67.7	101.5	
76	56.3	41.3	61.9	





#15

Acrylonitrile

Concen: 551.444 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

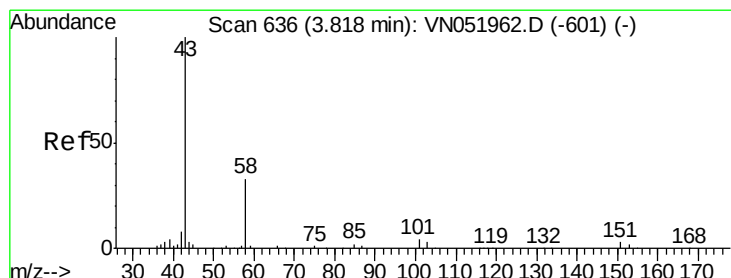
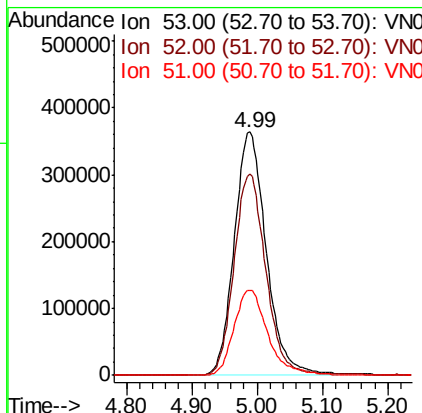
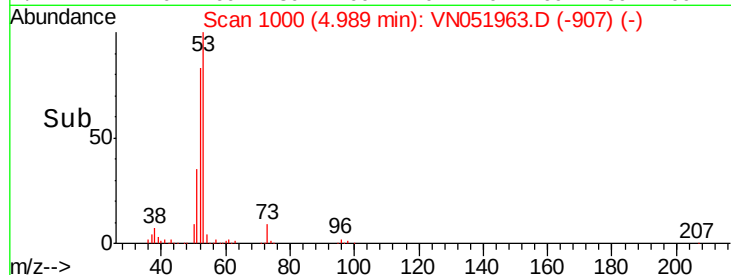
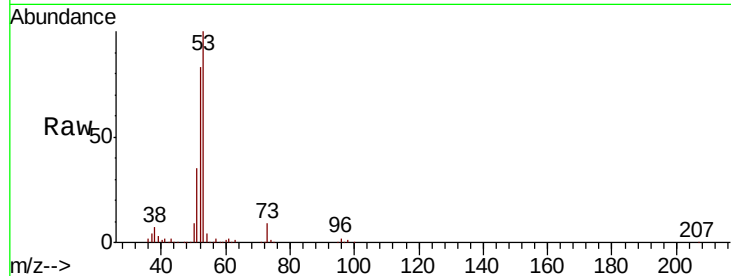
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	1238221
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.0	100.4
51	37.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 499.258 ug/l

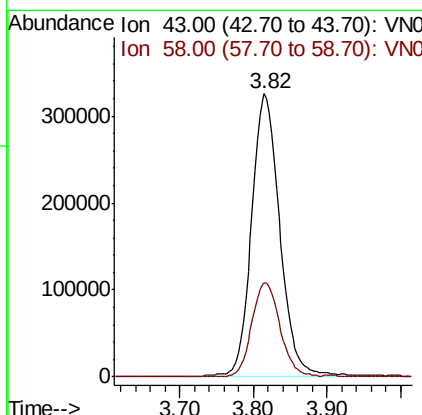
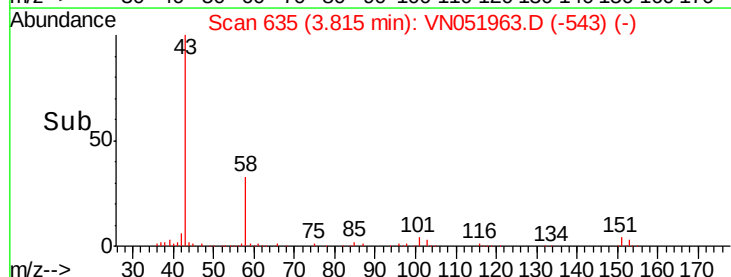
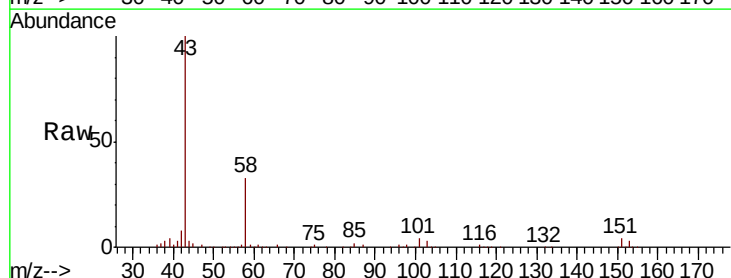
RT: 3.82 min Scan# 635

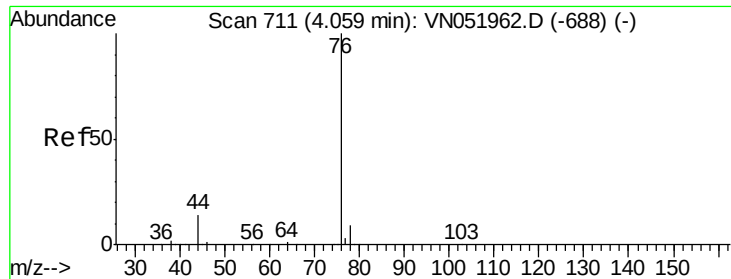
Delta R.T. -0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Tgt Ion:	43	Resp:	868968
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.7	40.1





#17

Carbon Disulfide

Concen: 105.134 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 2170210

Ion Ratio Lower Upper

76 100

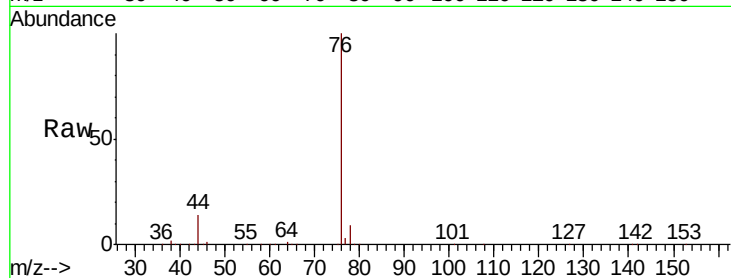
78 9.1 7.3 10.9

Manual Integrations

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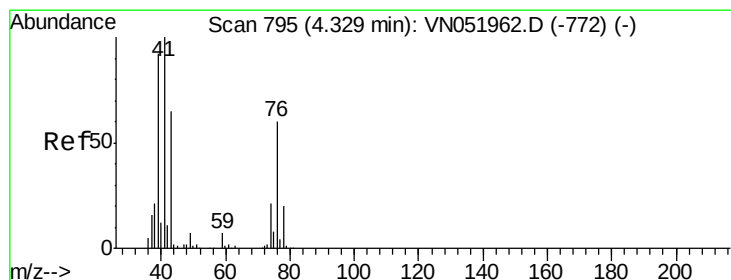
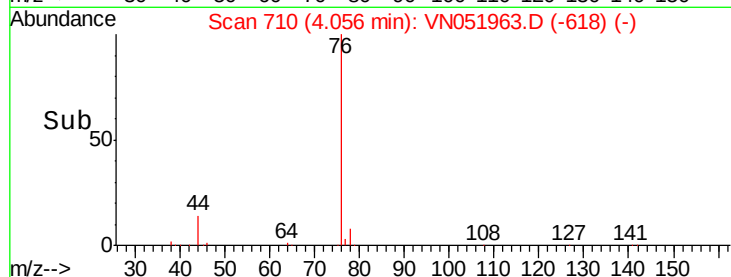
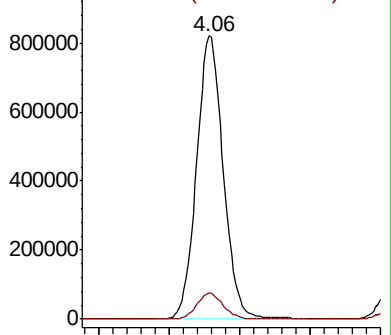
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 95.063 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN051963.D

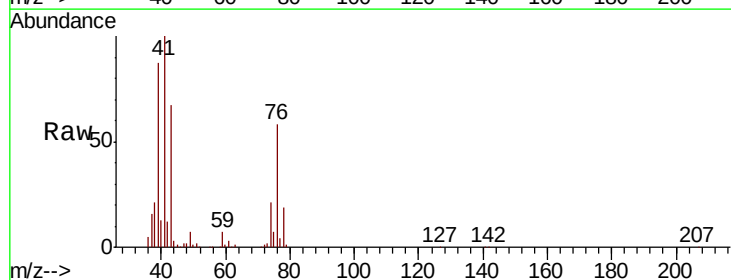
Acq: 23 Oct 2018 14:27

Tgt Ion: 43 Resp: 558277

Ion Ratio Lower Upper

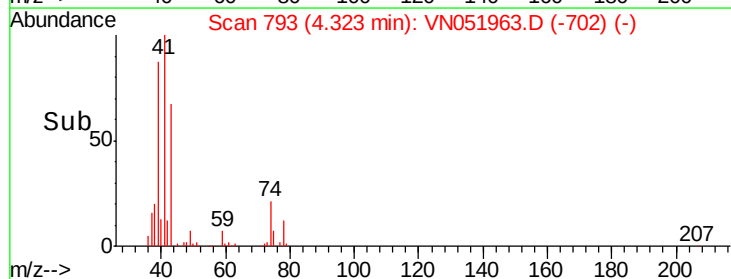
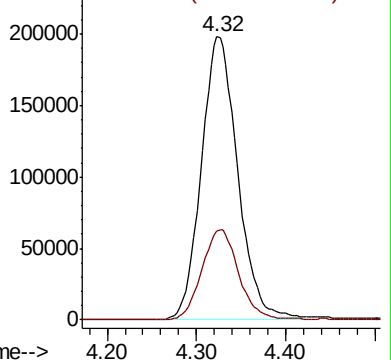
43 100

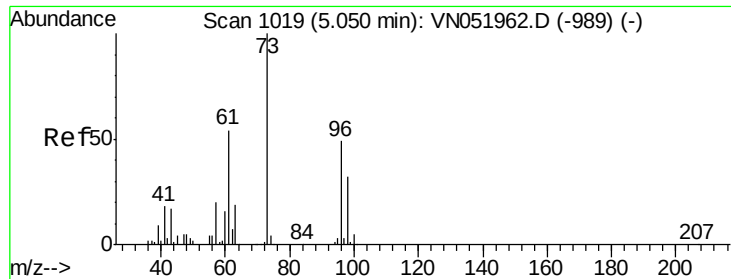
74 32.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





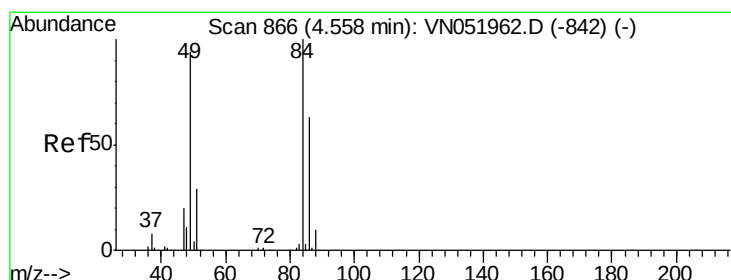
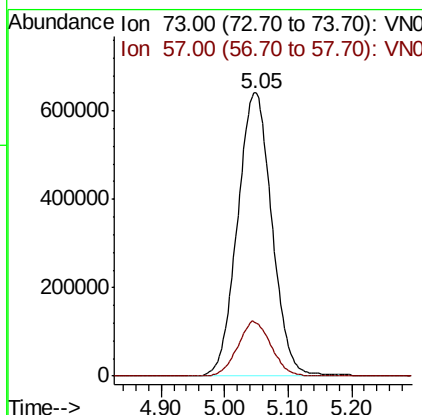
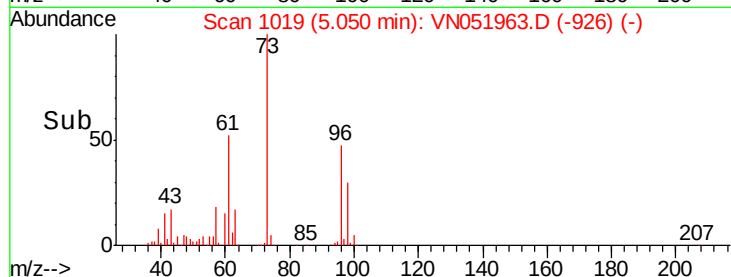
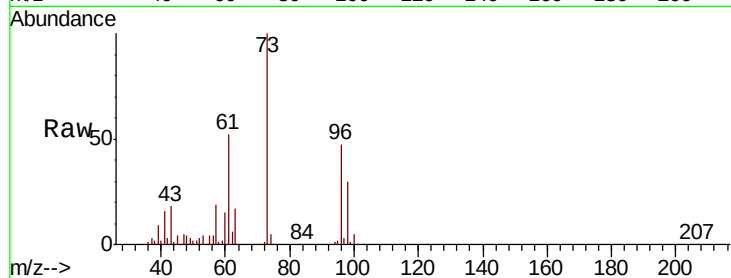
#19
Methyl tert-butyl Ether
Concen: 103.277 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 2407883
Ion Ratio Lower Upper
73 100
57 18.7 15.9 23.9

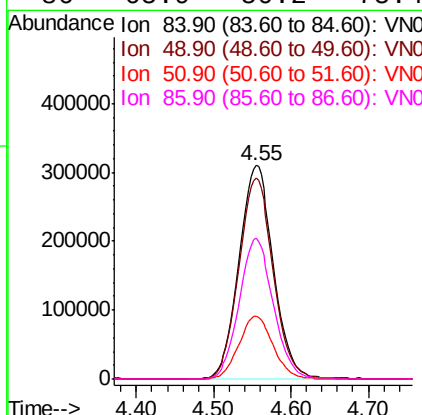
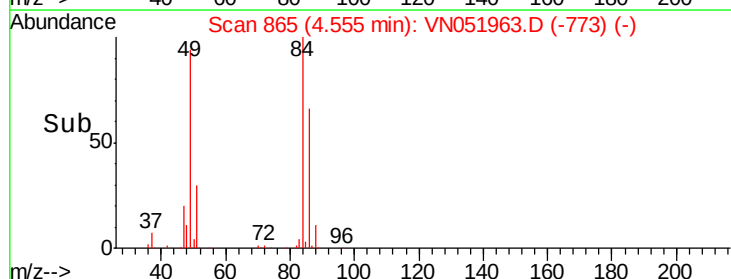
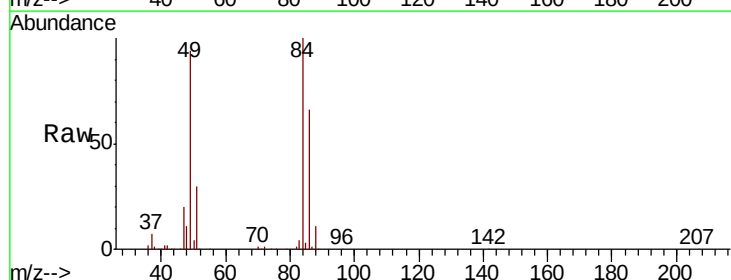
Manual Integrations
APPROVED

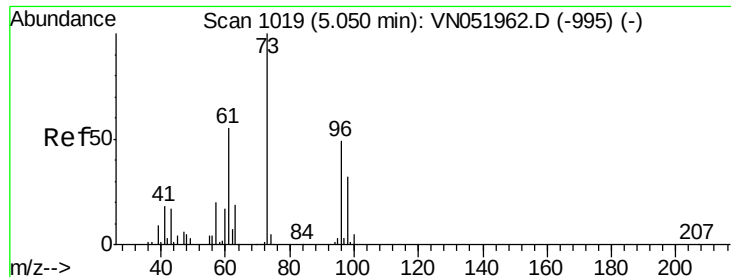
MMDadoda
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#20
Methylene Chloride
Concen: 93.914 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 84 Resp: 958895
Ion Ratio Lower Upper
84 100
49 93.8 75.4 113.0
51 29.7 23.1 34.7
86 65.9 50.2 75.4





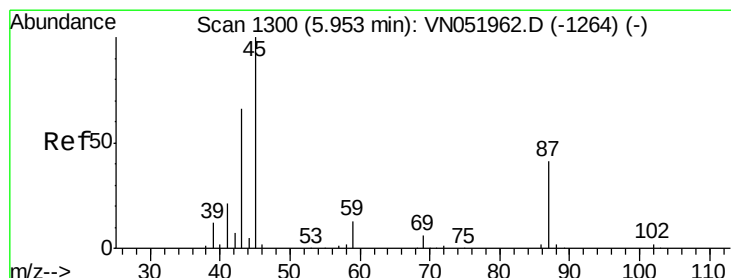
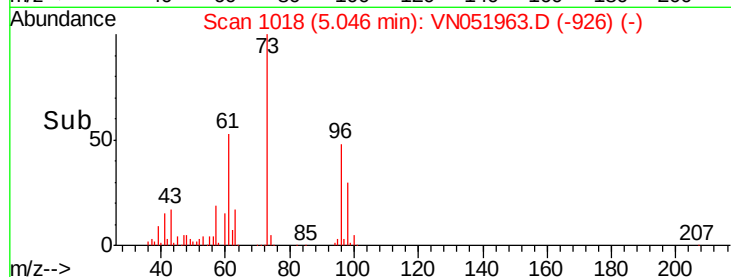
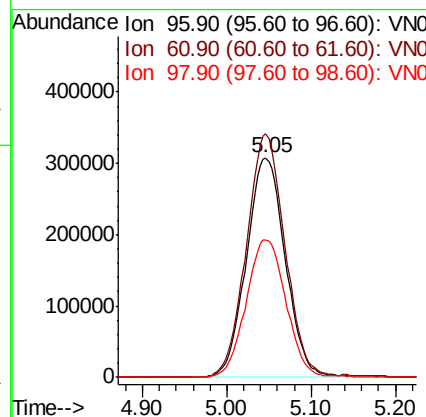
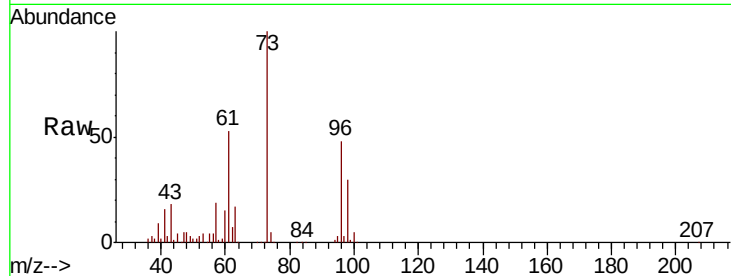
#21
trans-1,2-Dichloroethene
Concen: 100.344 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	110.8	89.0	133.4
98	62.8	51.8	77.8

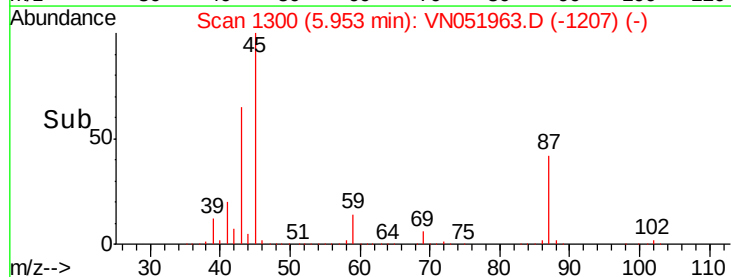
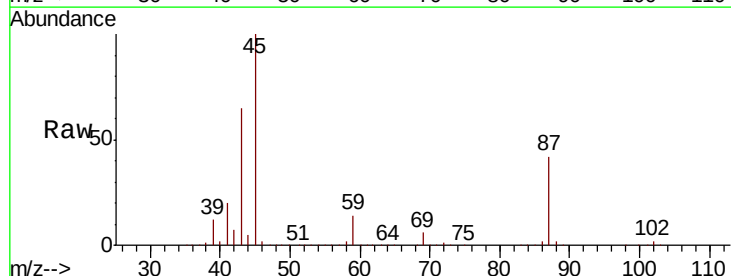
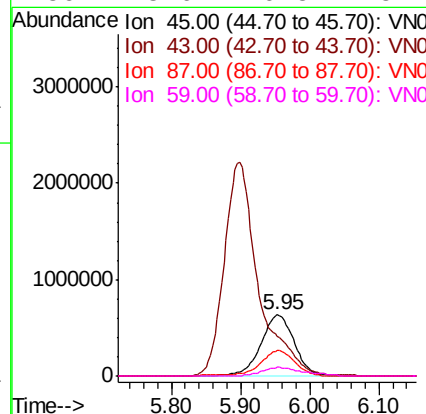
Manual Integrations
APPROVED

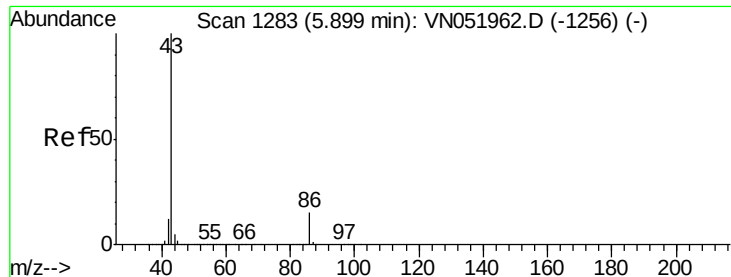
MMDadoda
10/24/2018 10:09:27 AM



#22
Diisopropyl ether
Concen: 102.749 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	52.9	79.3
87	41.4	33.4	50.0
59	13.6	10.5	15.7





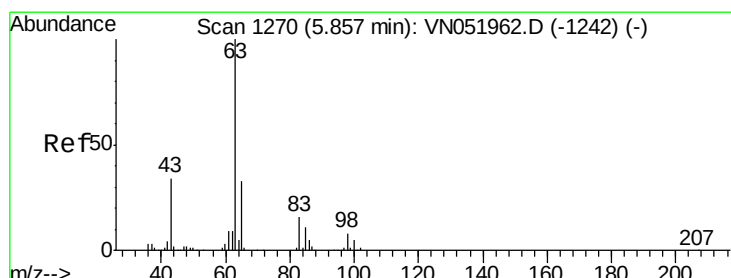
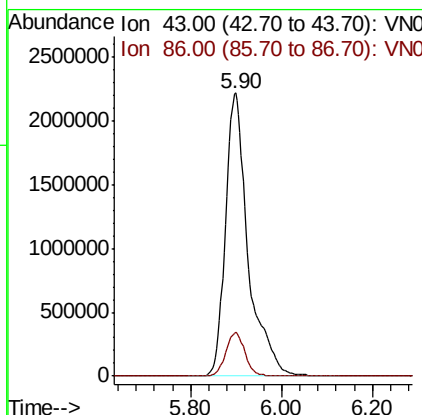
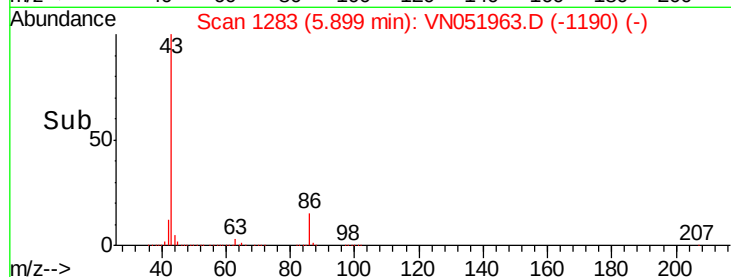
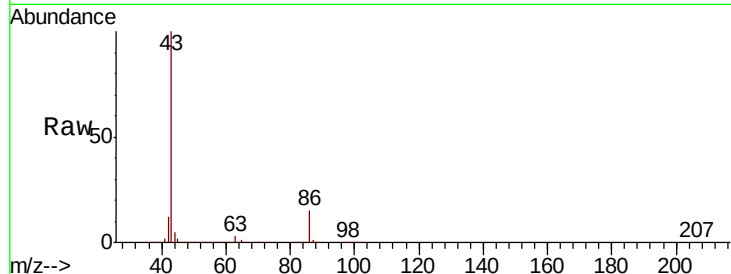
#23
 Vinyl Acetate
 Concen: 536.736 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 7676181
 Ion Ratio Lower Upper
 43 100
 86 15.3 11.9 17.9

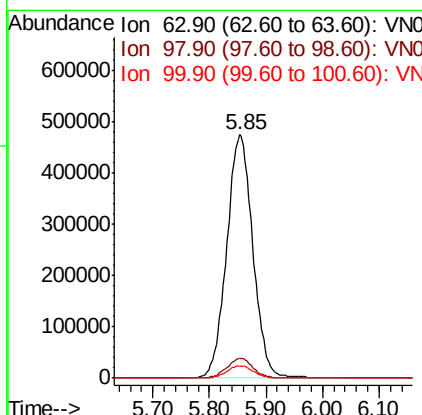
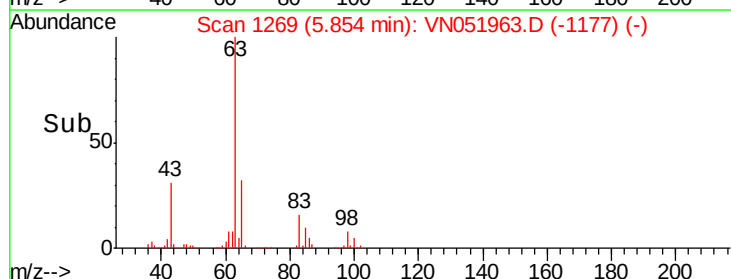
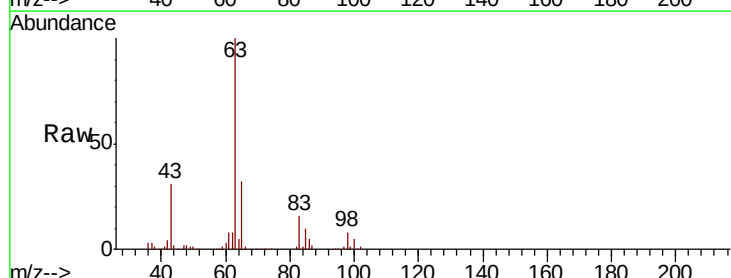
Manual Integrations
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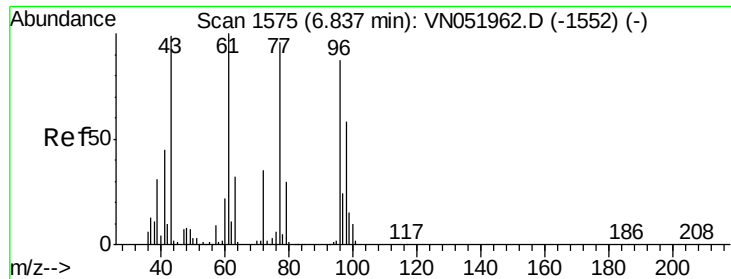
MMDadoda
 10/24/2018 10:09:27 AM



#24
 1,1-Dichloroethane
 Concen: 99.231 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion: 63 Resp: 1523082
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.9 11.7
 100 5.0 2.6 8.0





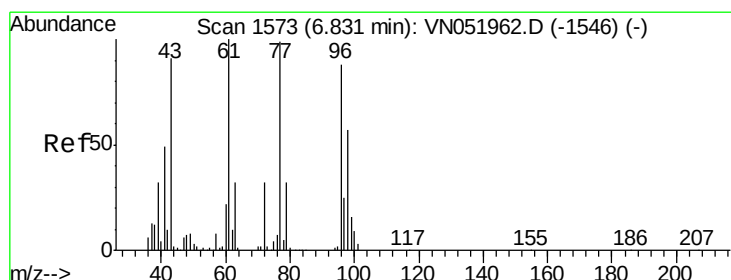
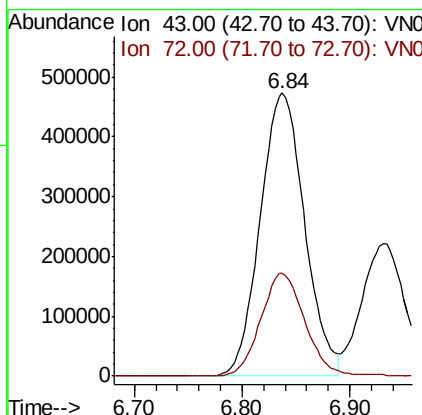
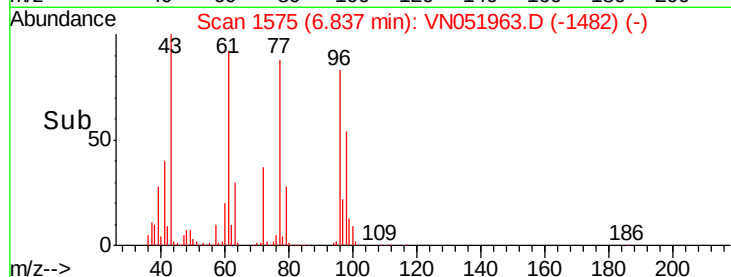
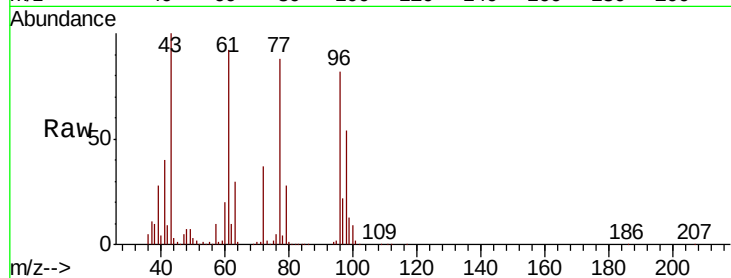
#25
2-Butanone
Concen: 543.808 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1349340
Ion Ratio Lower Upper
43 100
72 36.6 28.5 42.7

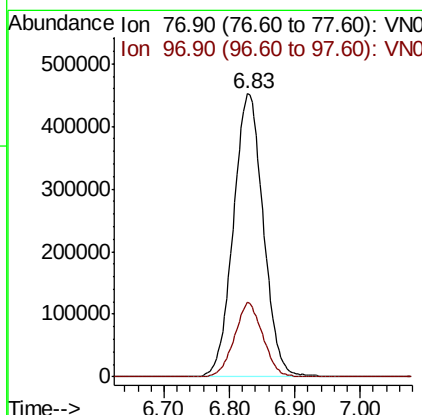
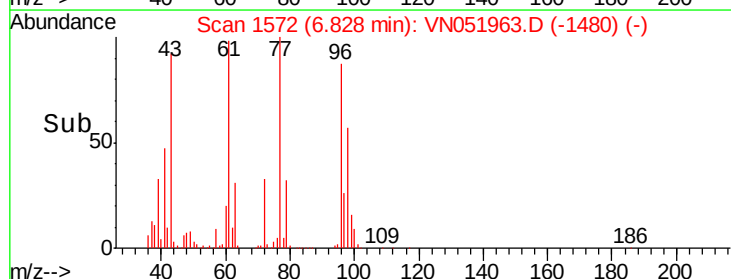
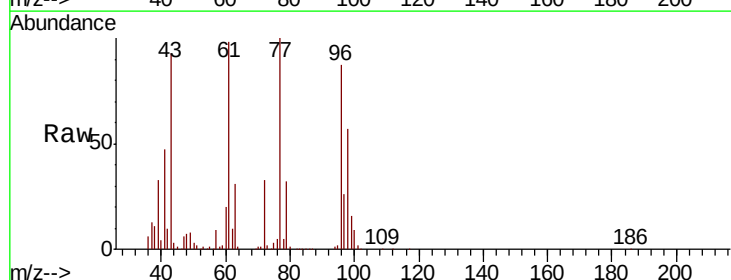
Manual Integrations
APPROVED

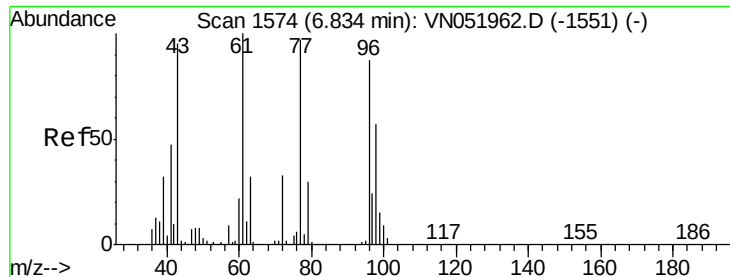
MMDadoda
10/24/2018 10:09:27 AM



#26
2,2-Dichloropropane
Concen: 102.612 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 77 Resp: 1440997
Ion Ratio Lower Upper
77 100
97 24.9 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 103.127 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 96 Resp: 1179595

Ion Ratio Lower Upper

96 100

61 113.5 0.0 234.4

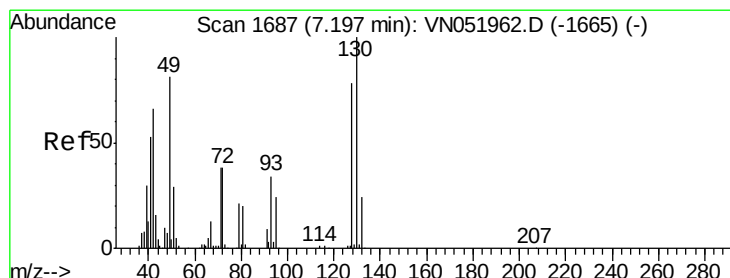
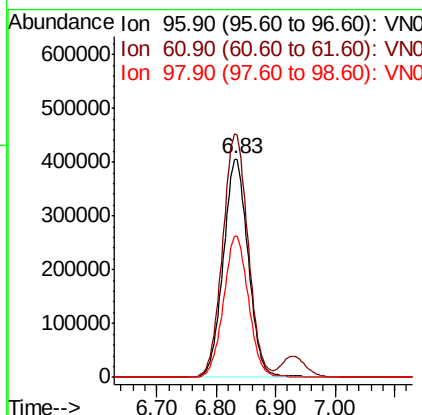
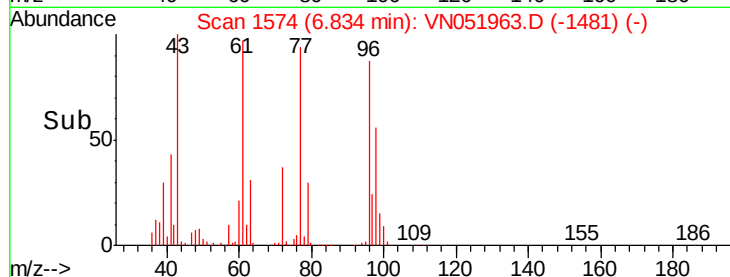
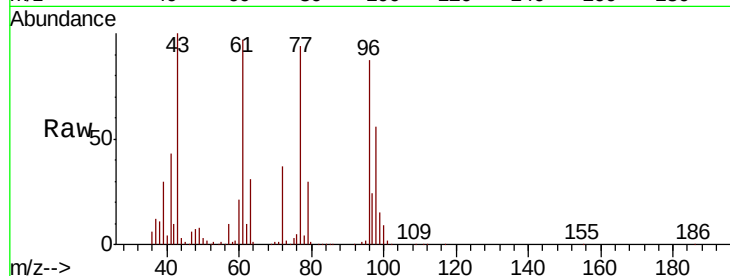
98 64.4 0.0 131.6

Manual Integrations

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#28

Bromochloromethane

Concen: 103.130 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

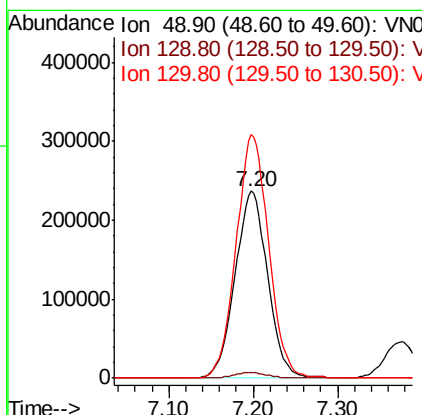
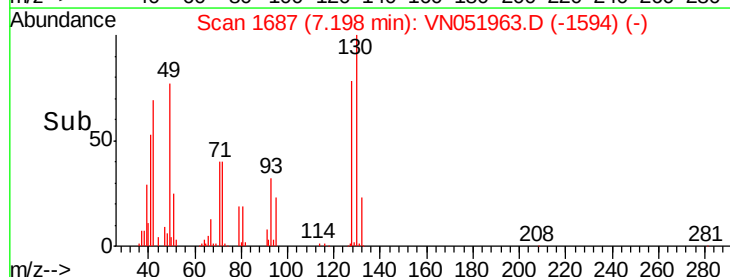
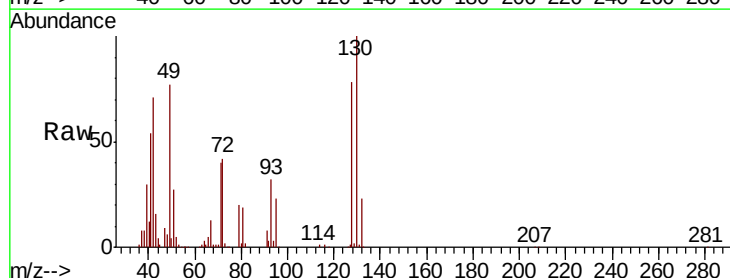
Tgt Ion: 49 Resp: 637974

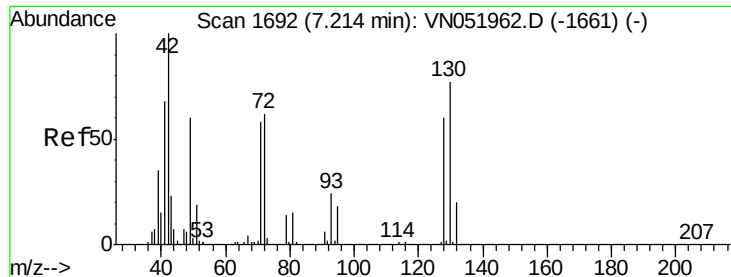
Ion Ratio Lower Upper

49 100

129 3.1 0.0 5.4

130 130.1 97.0 145.6





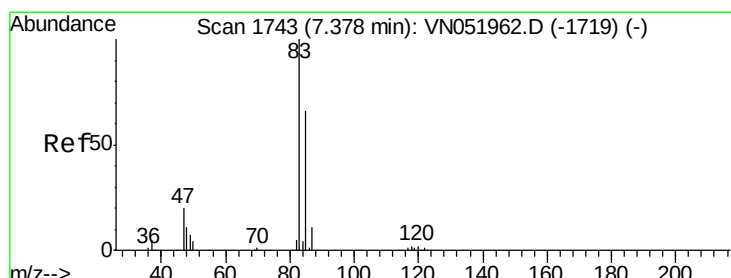
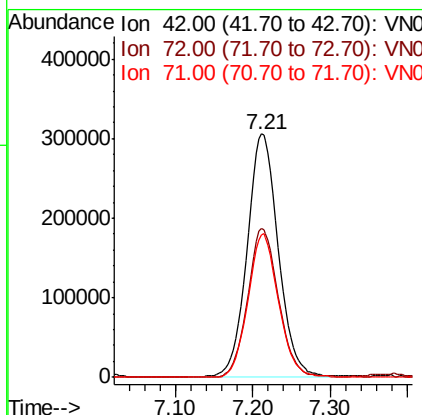
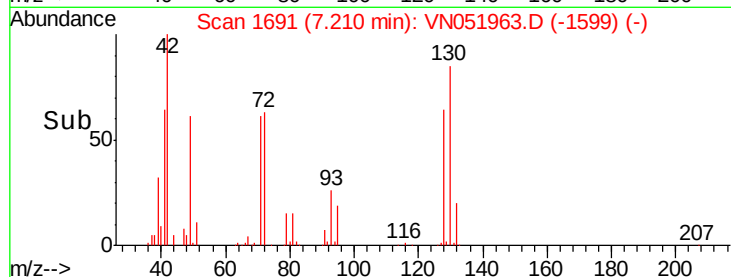
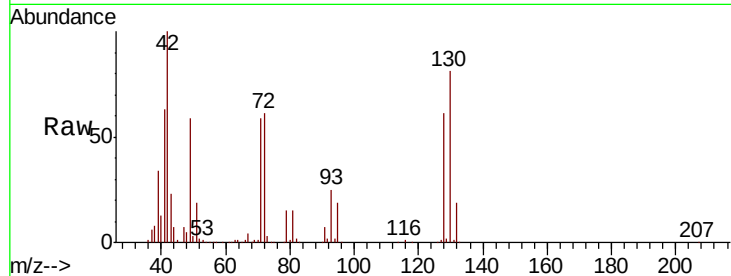
#29
Tetrahydrofuran
Concen: 513.453 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.6	47.5	71.3
71	57.6	45.4	68.2

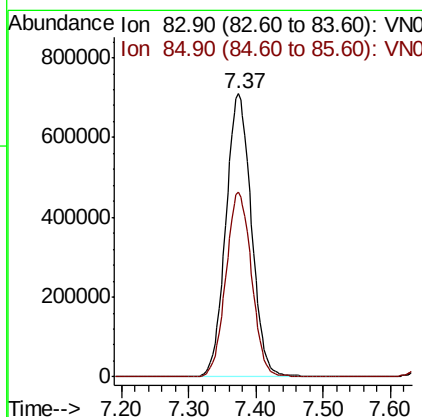
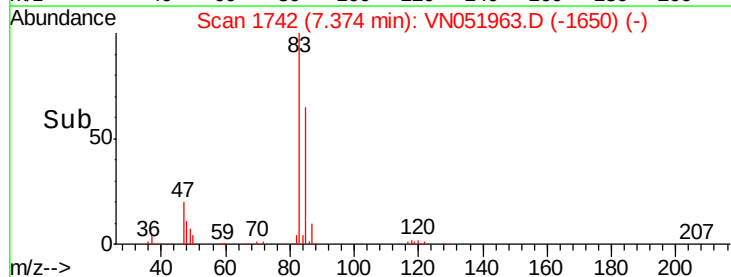
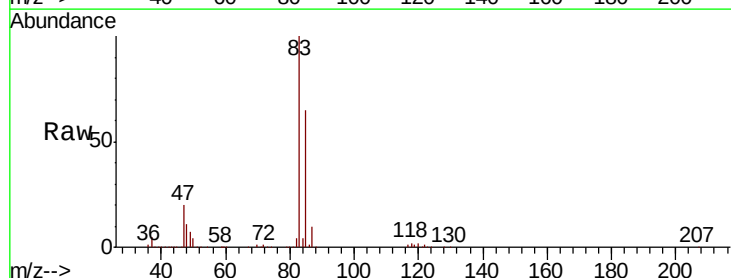
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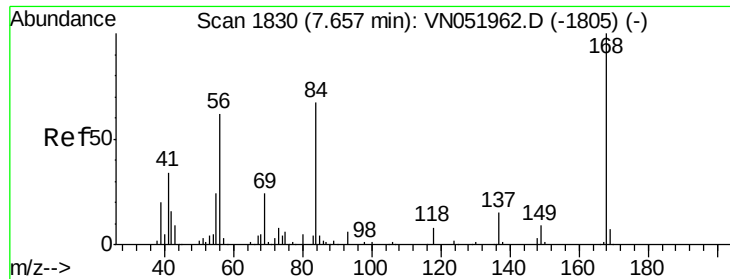
MMDadoda
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#30
Chloroform
Concen: 100.031 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2





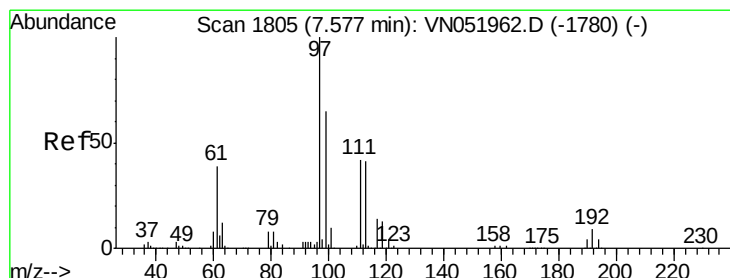
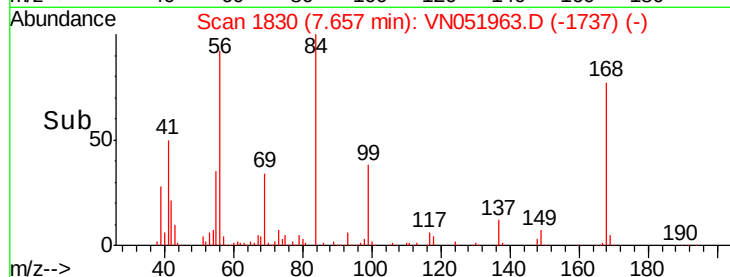
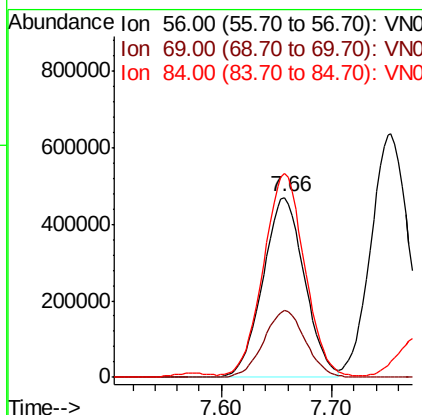
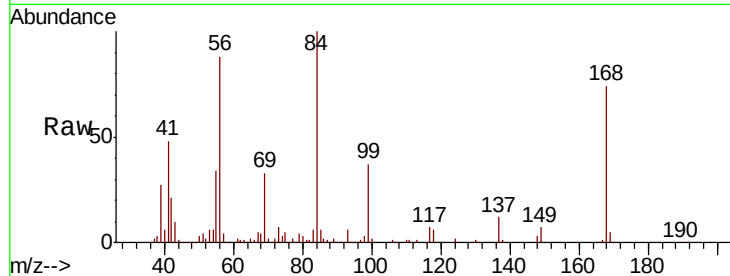
#31
Cyclohexane
Concen: 74.455 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 1231064
Ion Ratio Lower Upper
56 100
69 37.0 31.2 46.8
84 111.1 86.3 129.5

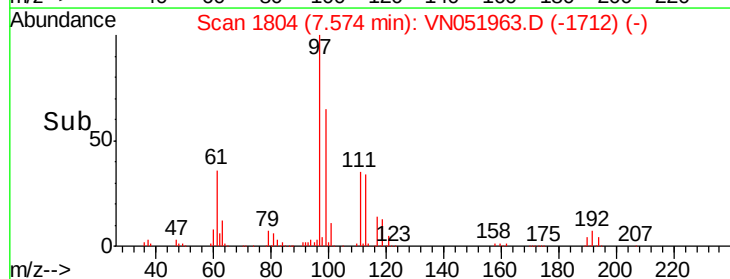
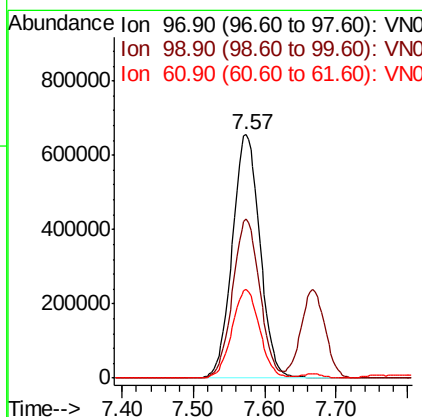
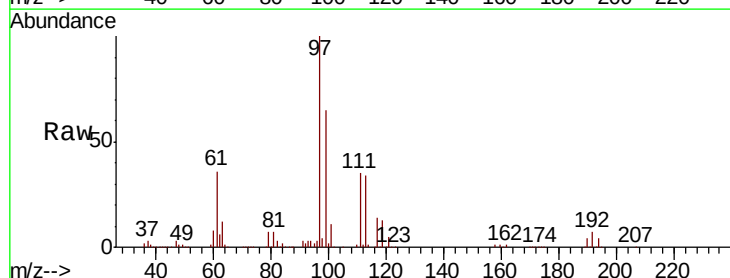
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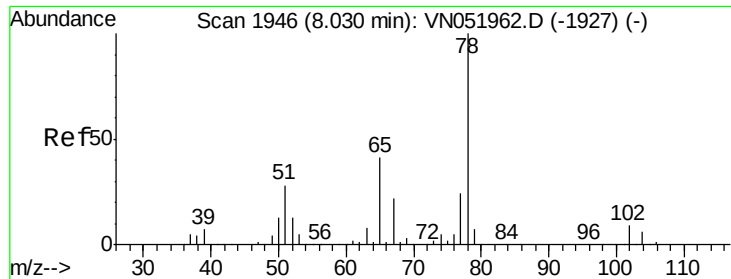
MMDadoda
10/24/2018 10:09:27 AM



#32
1,1,1-Trichloroethane
Concen: 103.418 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 97 Resp: 1772393
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 36.4 30.1 45.1





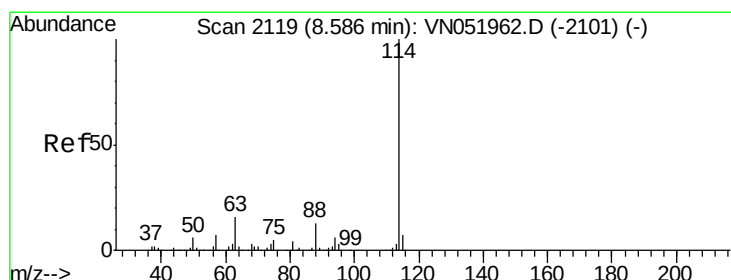
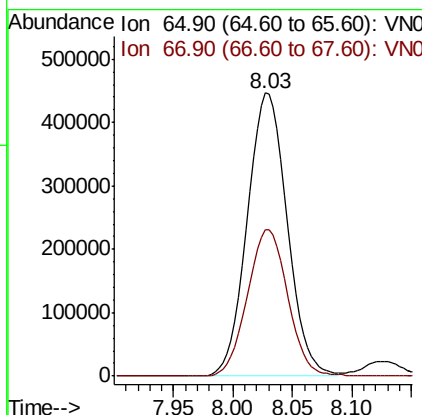
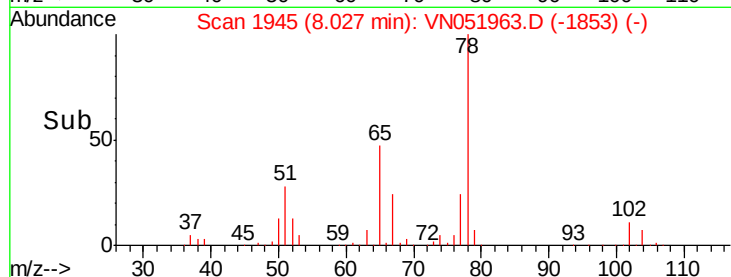
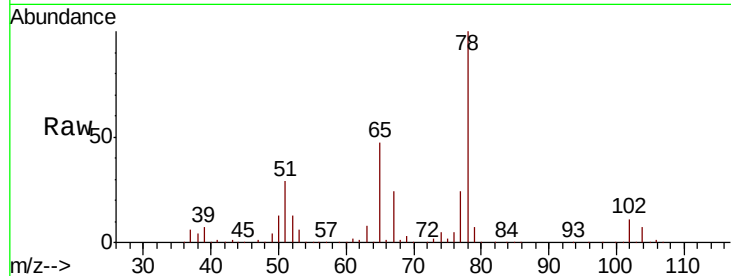
#33
 1,2-Dichloroethane-d4
 Concen: 103.418 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1038264
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8

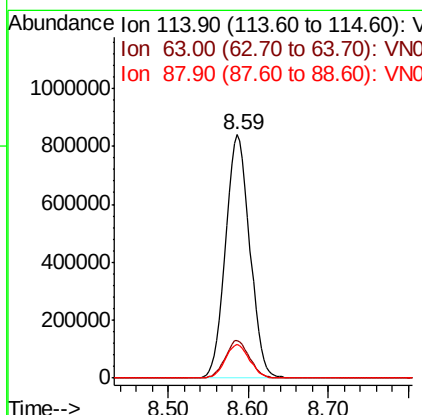
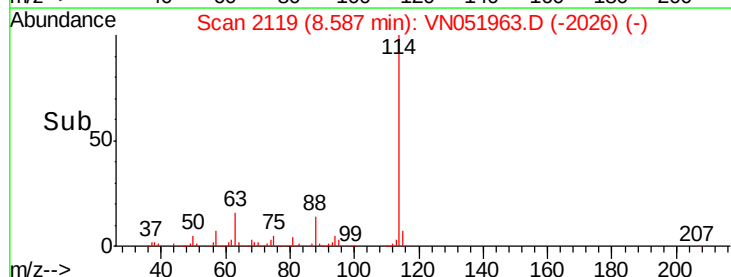
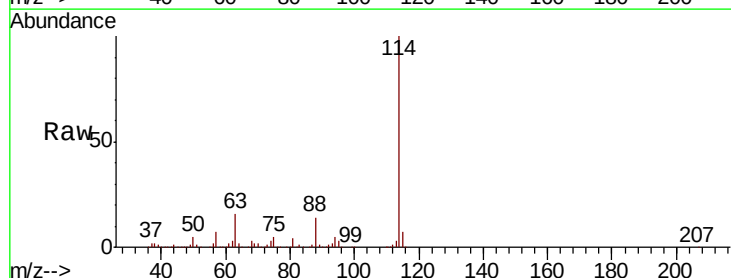
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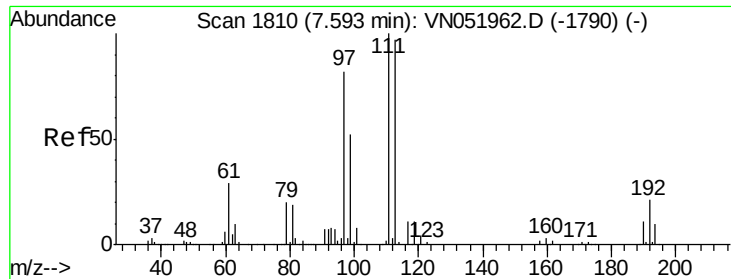
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion: 114 Resp: 1739669
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.2
 88 13.8 0.0 27.0





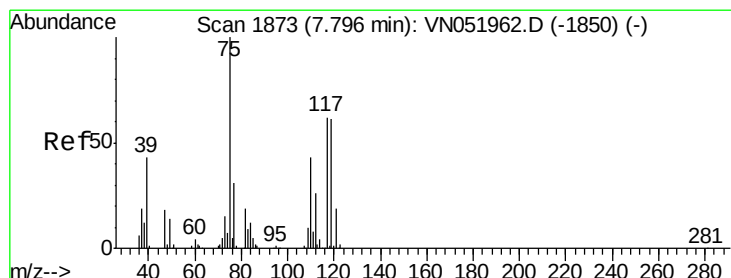
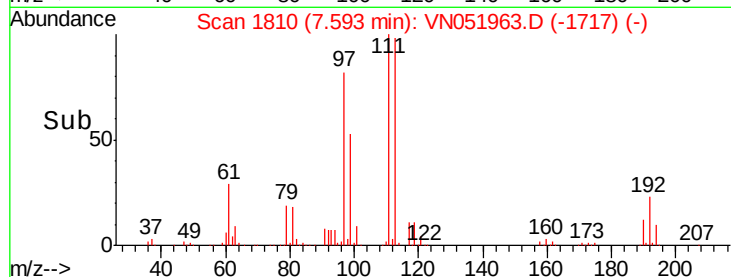
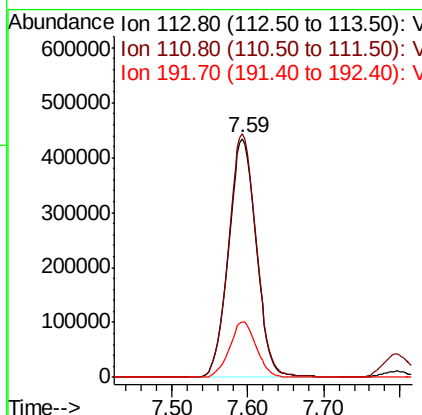
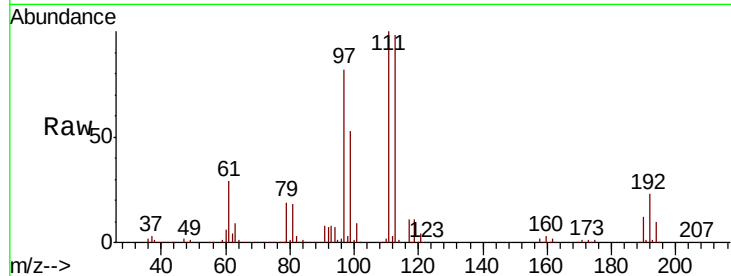
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.7	121.1
192	22.5	17.2	25.8

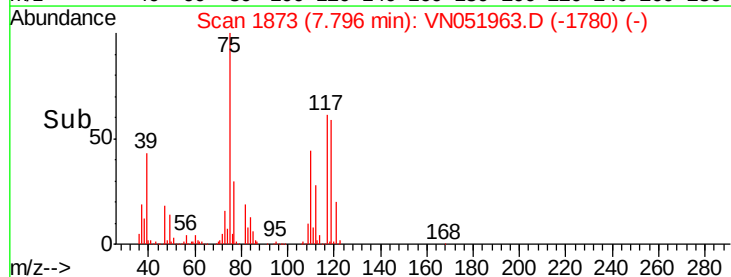
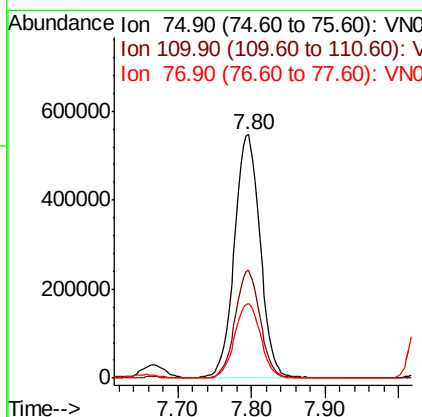
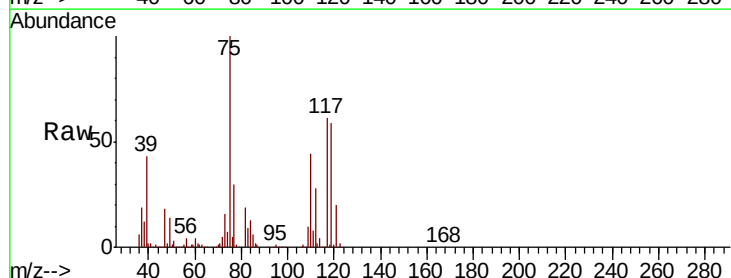
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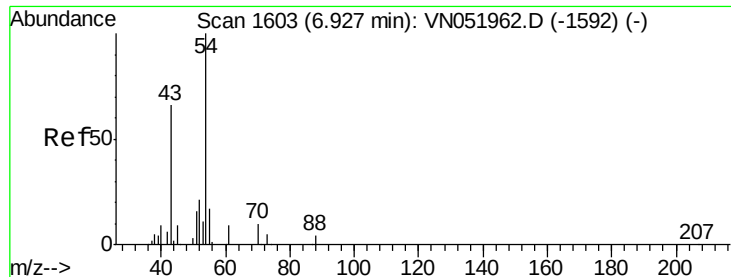
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 99.598 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	43.2	20.9	62.8
77	31.0	24.9	37.3





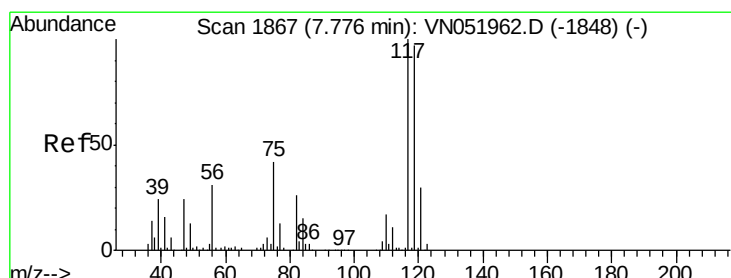
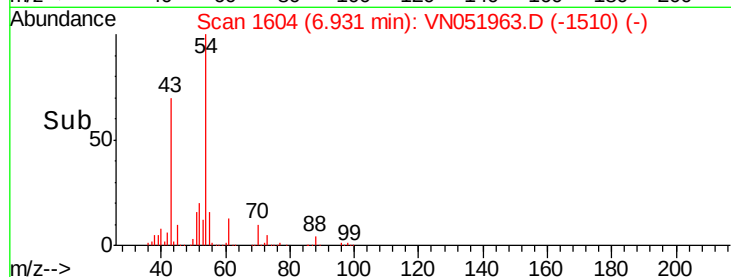
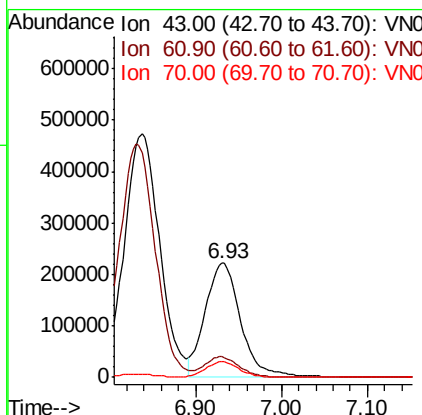
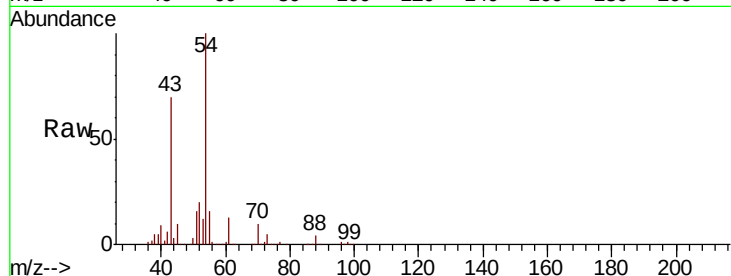
#37
Ethyl Acetate
Concen: 107.868 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	43	61	70
Resp	631342	17.6	13.0
Lower		13.5	9.8
Upper		20.3	14.6

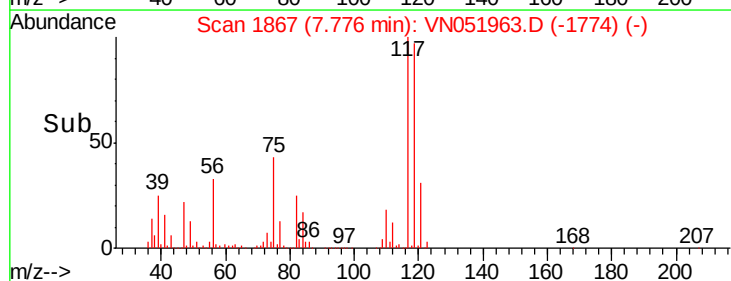
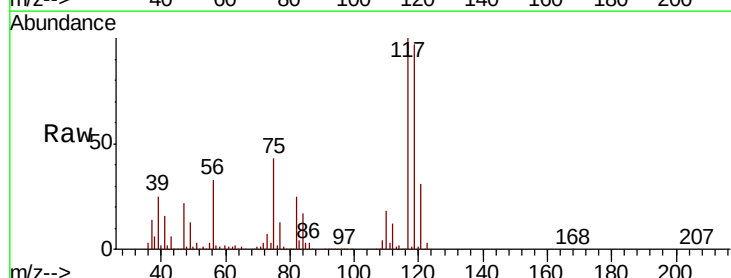
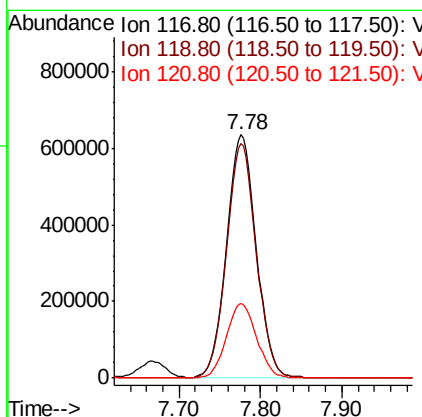
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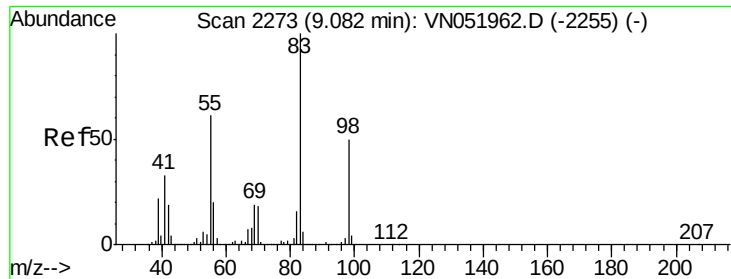
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#38
Carbon Tetrachloride
Concen: 105.806 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	117	119	121
Resp	1620952	96.6	30.7
Lower		77.4	24.2
Upper		116.0	36.4





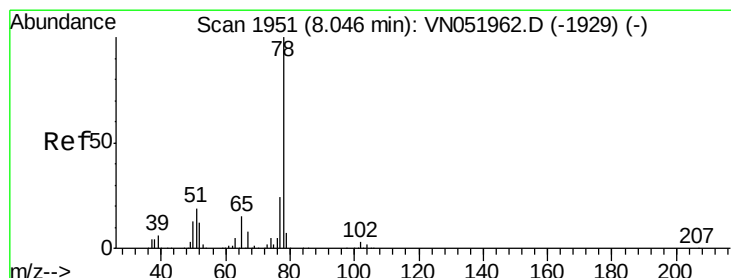
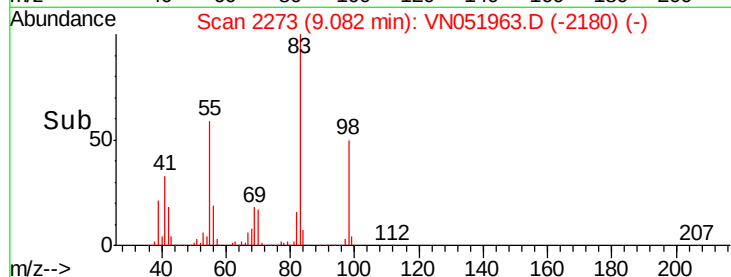
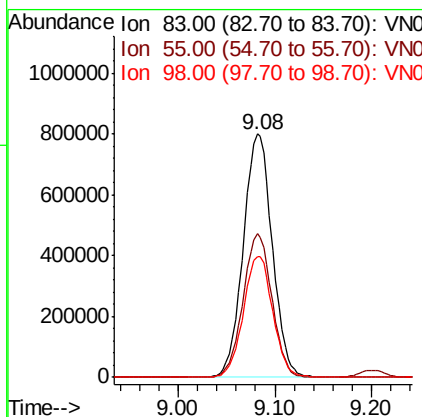
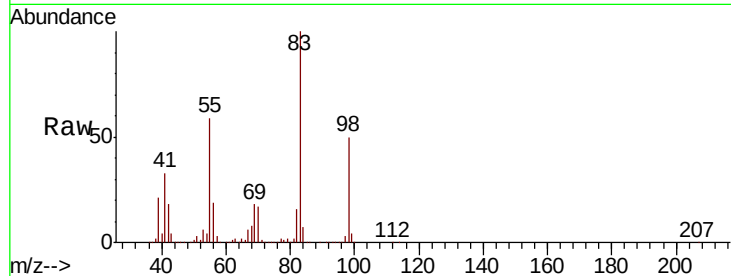
#39
Methylvlcyclohexane
Concen: 102.233 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1666311
Ion Ratio Lower Upper
83 100
55 58.8 48.9 73.3
98 49.8 40.2 60.2

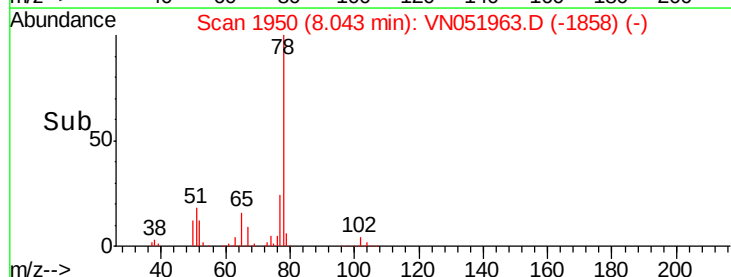
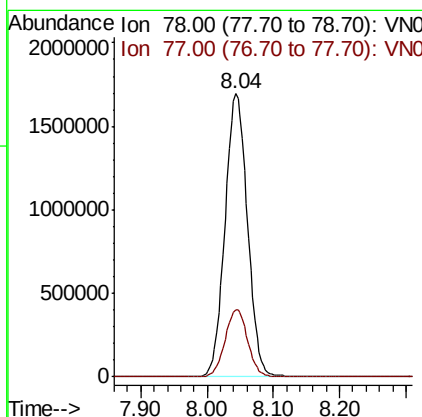
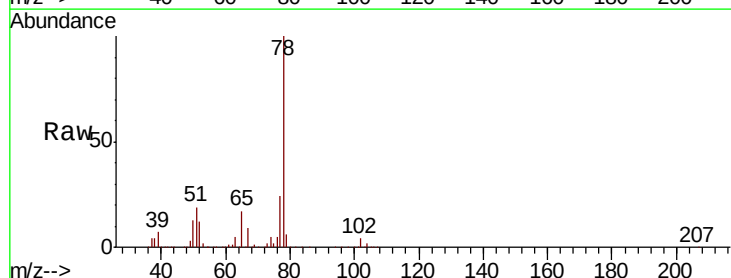
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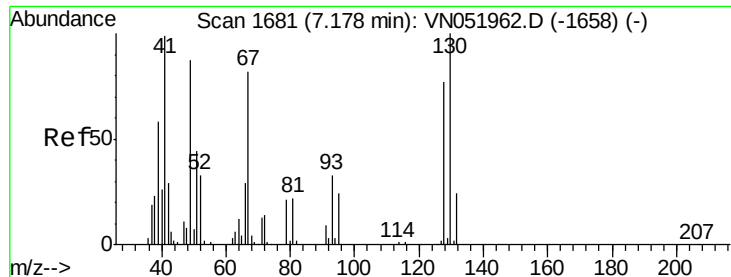
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#40
Benzene
Concen: 100.614 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 78 Resp: 3986571
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0





#41

Methacrylonitrile

Concen: 108.353 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 41 Resp: 324922

Ion Ratio Lower Upper

41 100

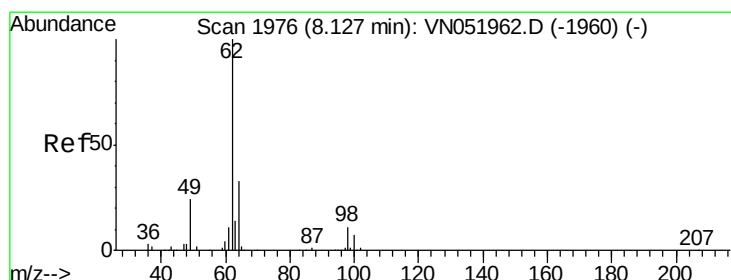
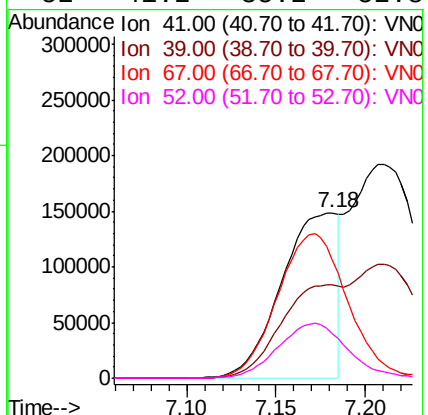
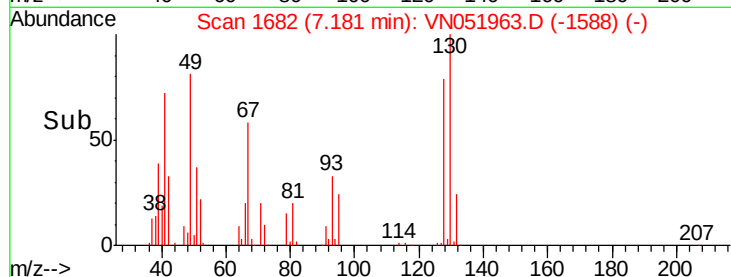
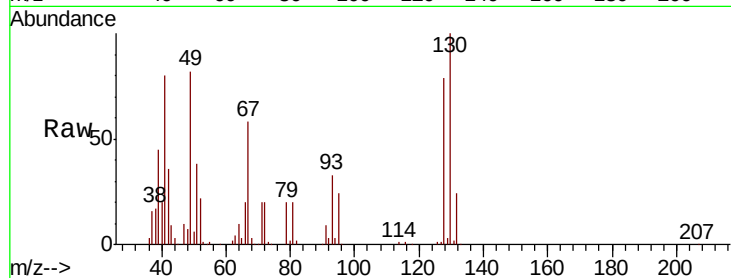
39 61.6 53.1 79.7

67 110.1 93.8 140.6

52 41.2 35.2 52.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 98.812 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051963.D

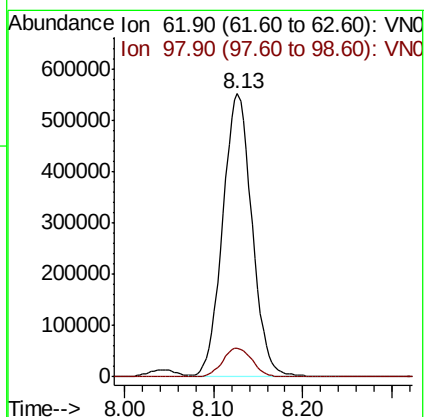
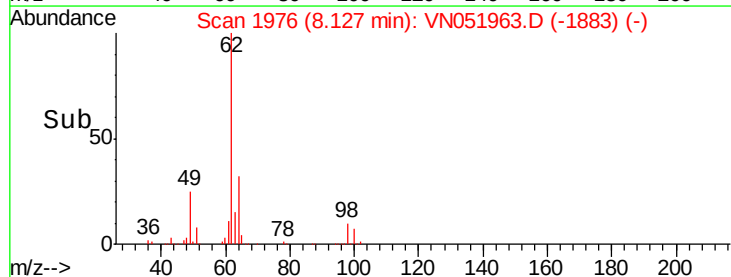
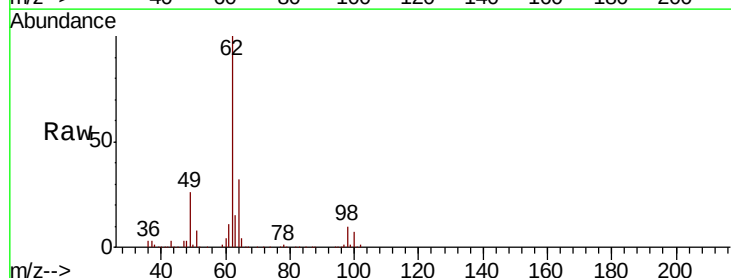
Acq: 23 Oct 2018 14:27

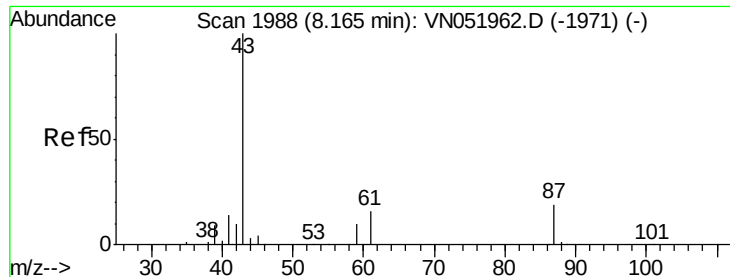
Tgt Ion: 62 Resp: 1255312

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.6





#43

Isopropyl Acetate

Concen: 107.631 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1202878

Ion Ratio Lower Upper

43 100

61 23.2 17.2 25.8

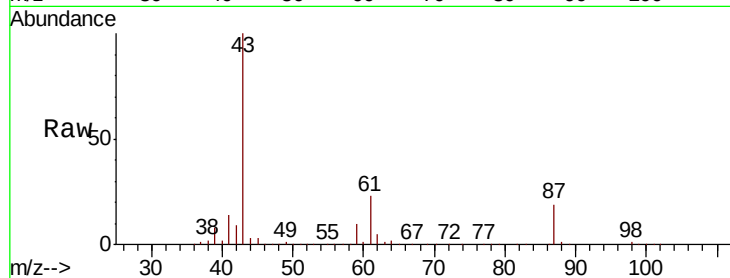
87 18.7 15.2 22.8

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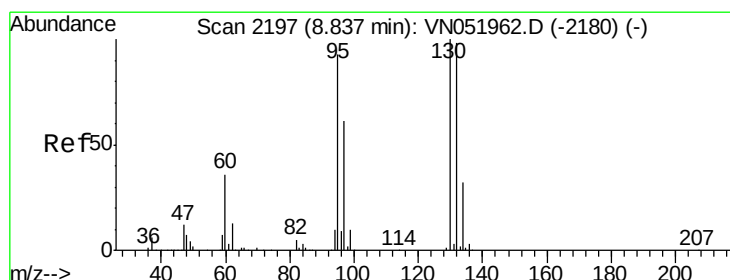
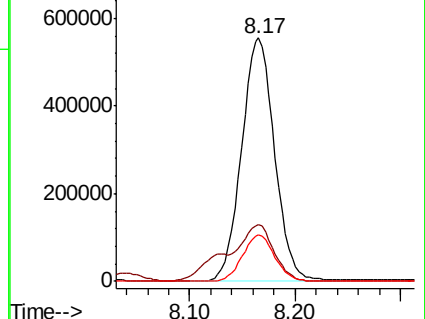
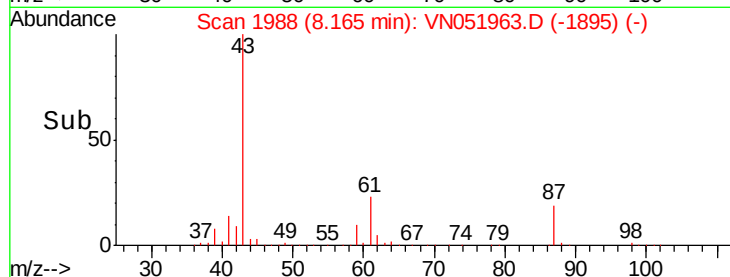


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 101.918 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051963.D

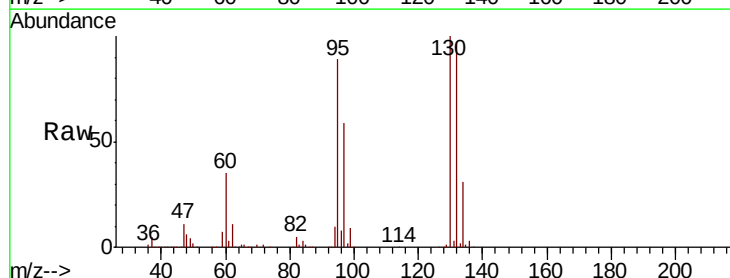
Acq: 23 Oct 2018 14:27

Tgt Ion:130 Resp: 1296191

Ion Ratio Lower Upper

130 100

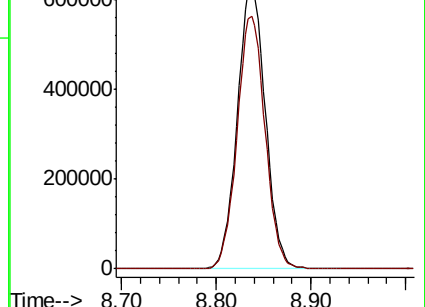
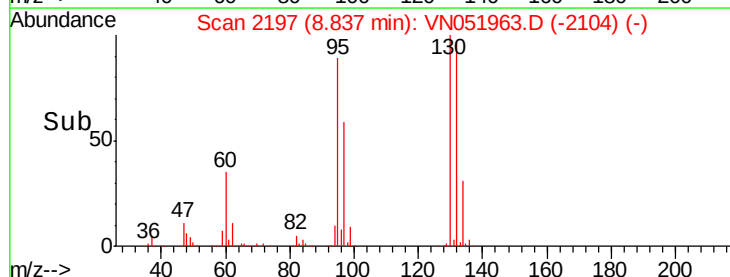
95 89.4 0.0 185.2

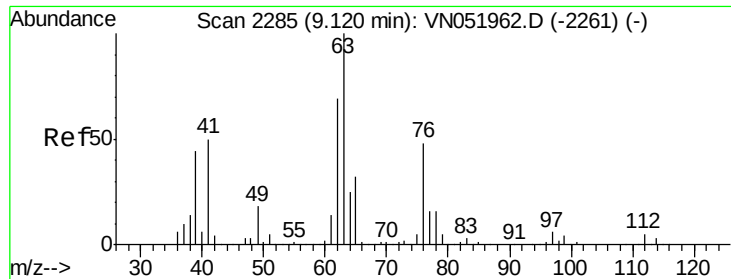


Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)

Time-->





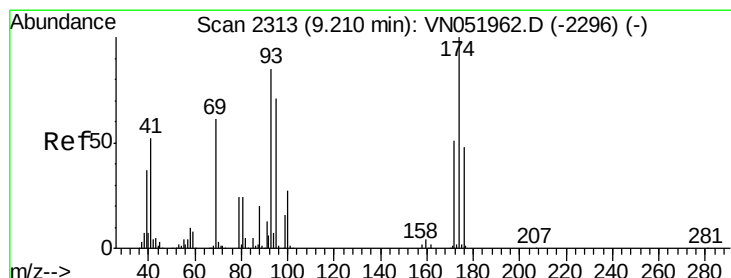
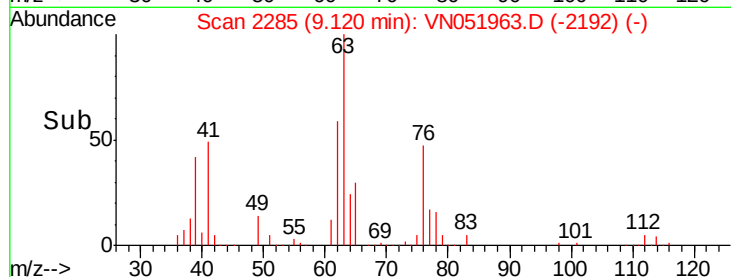
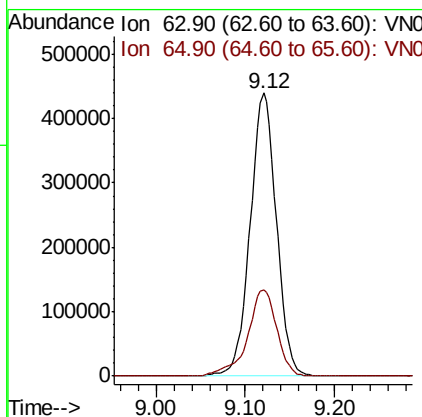
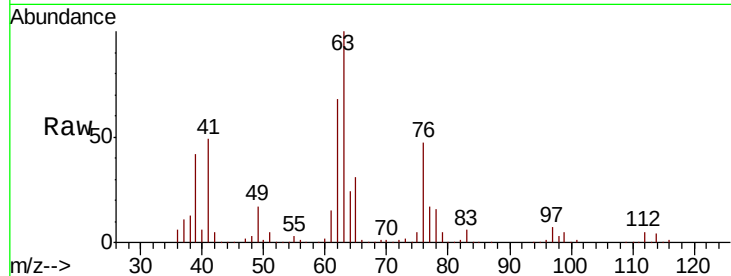
#45
 1,2-Dichloropropane
 Concen: 100.780 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.8	38.6

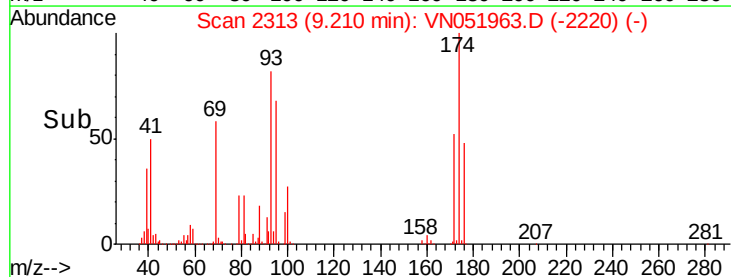
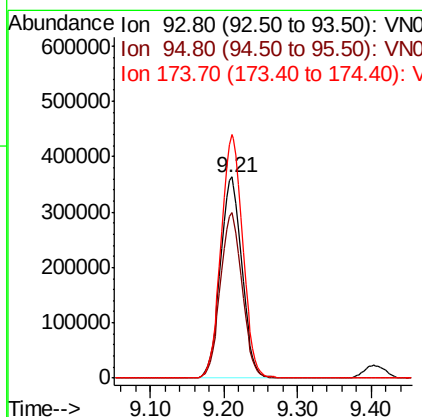
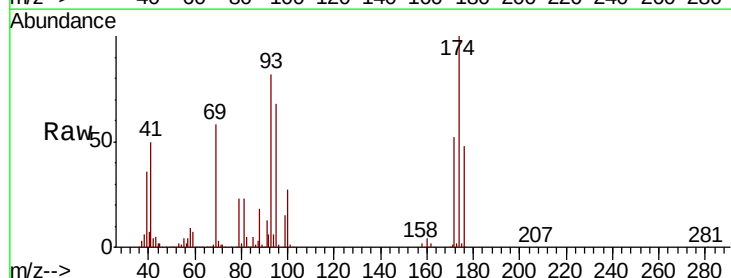
Manual Integrations
 APPROVED

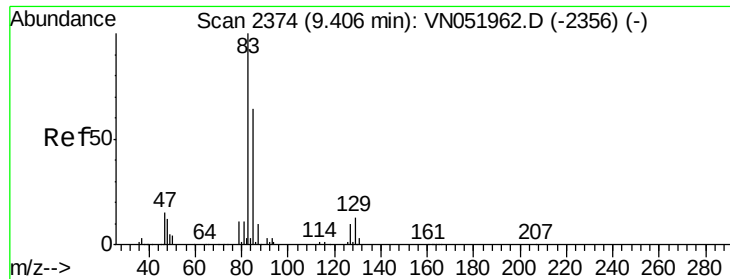
MMDadoda
 10/24/2018 10:09:27 AM



#46
 Dibromomethane
 Concen: 102.298 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.7	100.1
174	121.5	93.8	140.6





#47

Bromodichloromethane

Concen: 105.000 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1432774

Ion Ratio Lower Upper

83 100

85 65.5 51.0 76.4

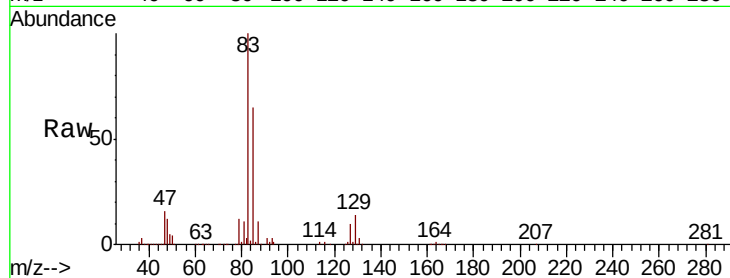
127 10.2 7.8 11.8

Manual Integrations

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MMDadoda

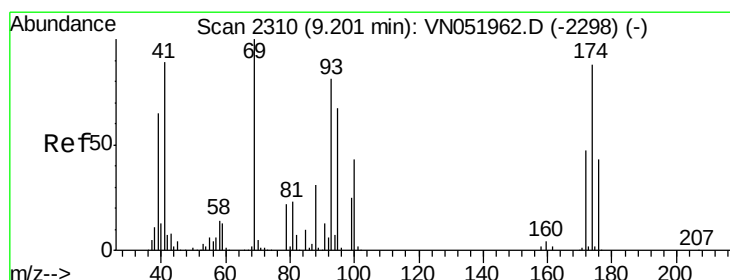
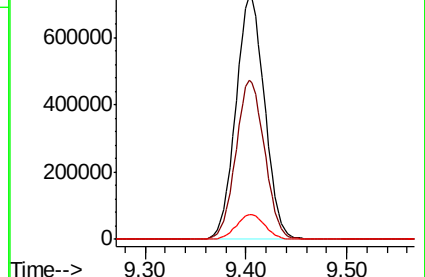
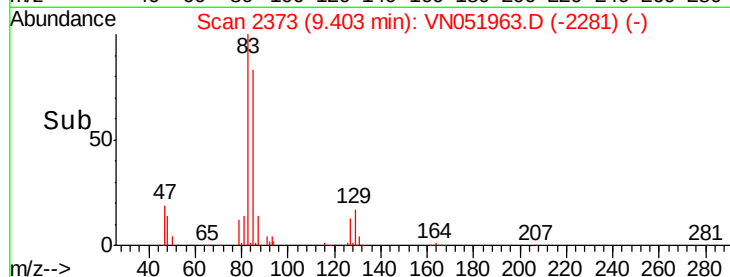
10/24/2018 10:09:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051963.D (-2281) (-)

Ion 84.90 (84.60 to 85.60): VN051963.D (-2281) (-)

Ion 126.80 (126.50 to 127.50): VN051963.D (-2281) (-)



#48

Methyl methacrylate

Concen: 104.921 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

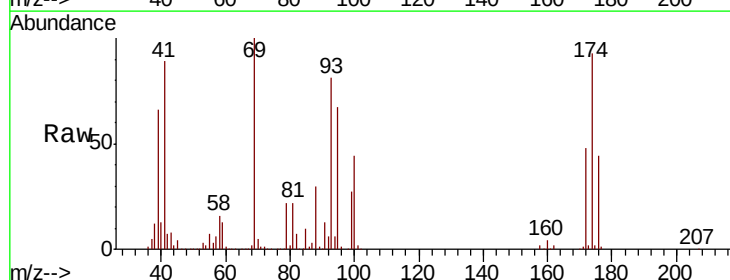
Tgt Ion: 41 Resp: 566771

Ion Ratio Lower Upper

41 100

69 116.2 92.2 138.4

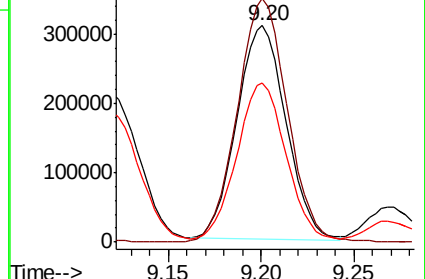
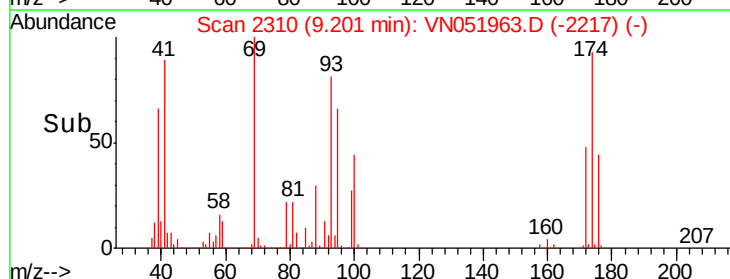
39 75.3 60.2 90.4

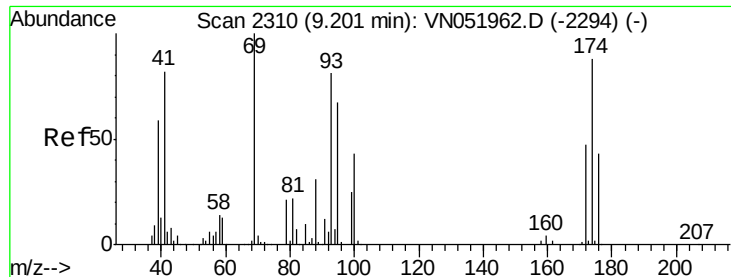


Abundance Ion 41.00 (40.70 to 41.70): VN051963.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051963.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051963.D (-2217) (-)





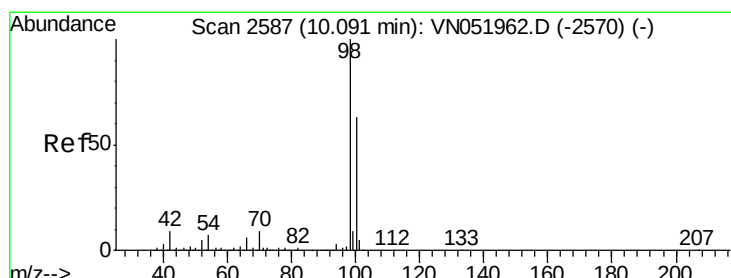
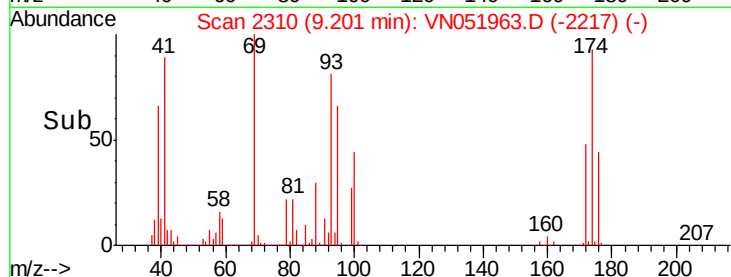
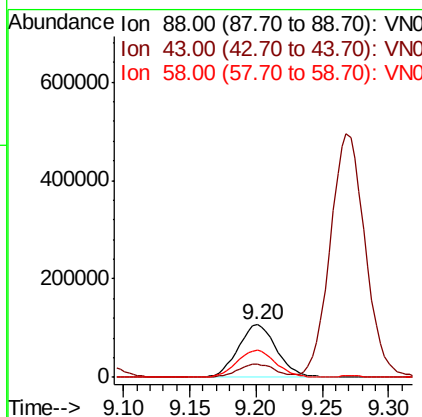
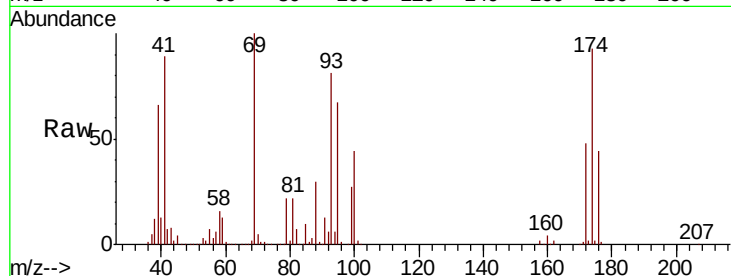
#49
1,4-Dioxane
Concen: 2193.081 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.0	18.8	28.2
58	52.0	39.8	59.6

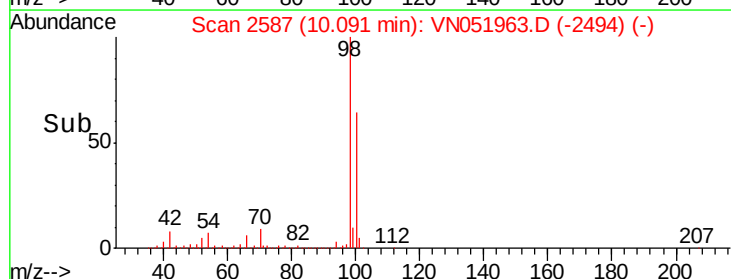
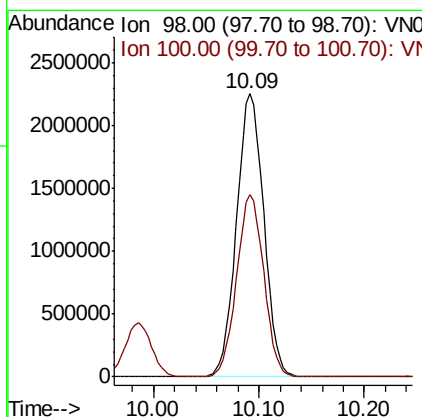
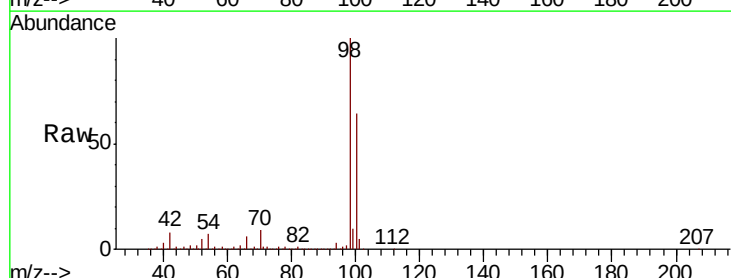
Manual Integrations
APPROVED

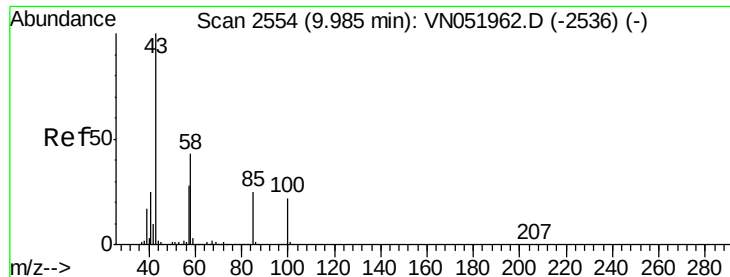
MMDadoda
10/24/2018 10:09:27 AM



#50
Toluene-d8
Concen: 2193.081 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 536.326 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Tot Ion: 43 Resp: 3297050

Ion Ratio Lower Upper

43 100

58 43.7 34.8 52.2

Instrument :

MSVOA_N

ClientSampleId :

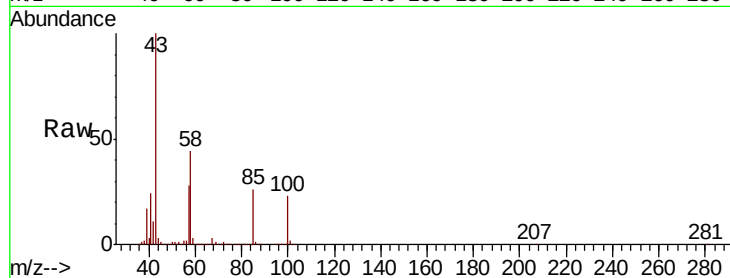
VSTDIC100

Manual Integrations

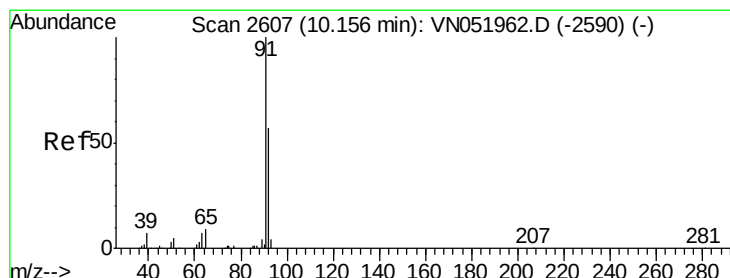
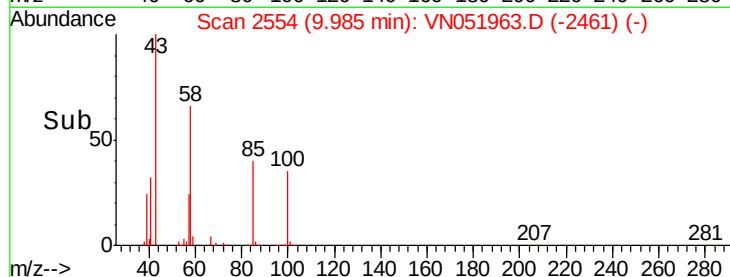
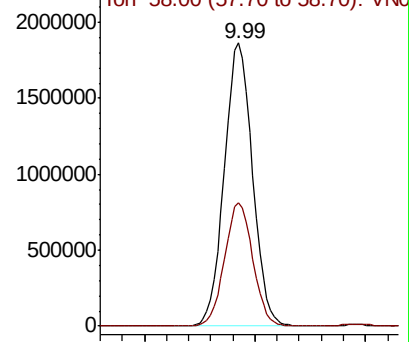
APPROVED

MMDadoda

10/24/2018 10:09:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)



#52

Toluene

Concen: 104.753 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051963.D

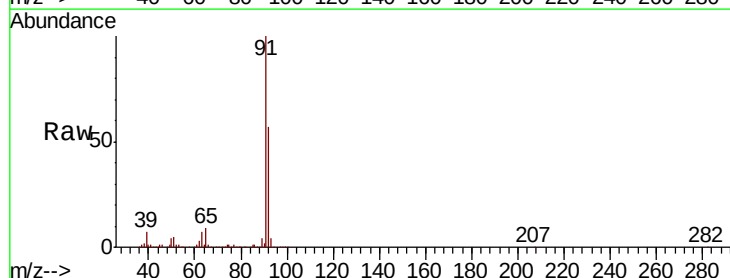
Acq: 23 Oct 2018 14:27

Tgt Ion: 92 Resp: 2814543

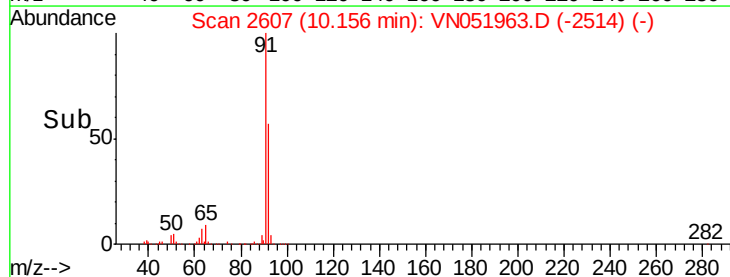
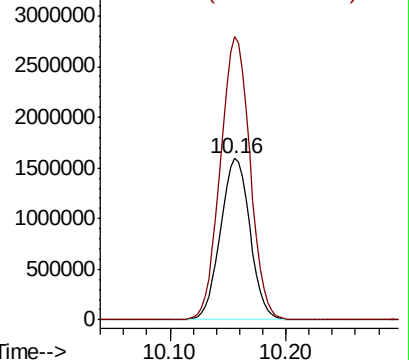
Ion Ratio Lower Upper

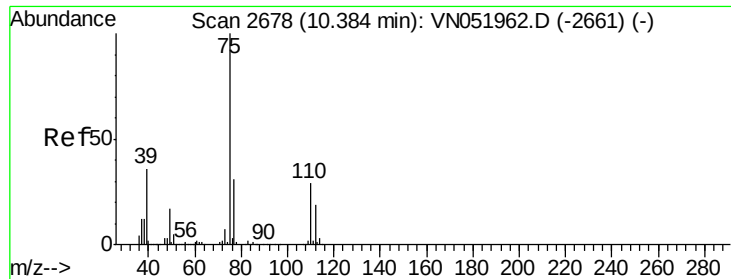
92 100

91 175.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)





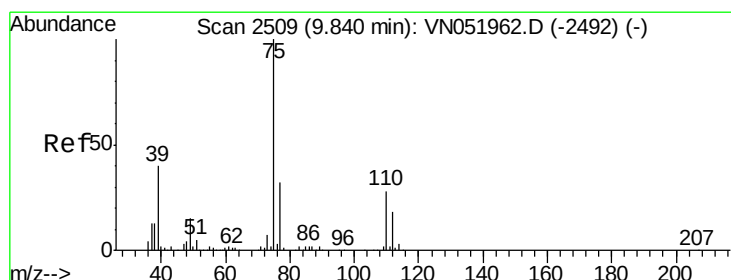
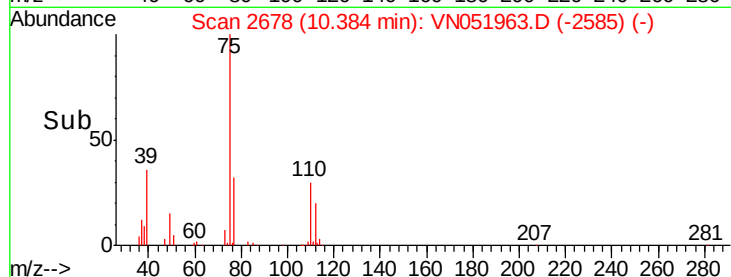
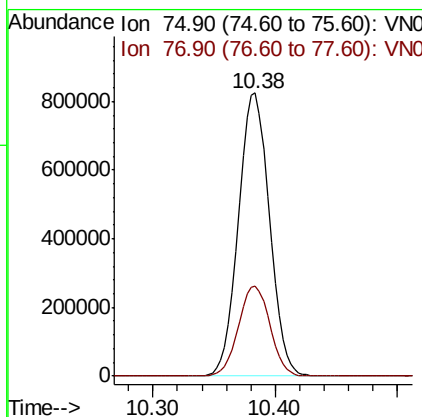
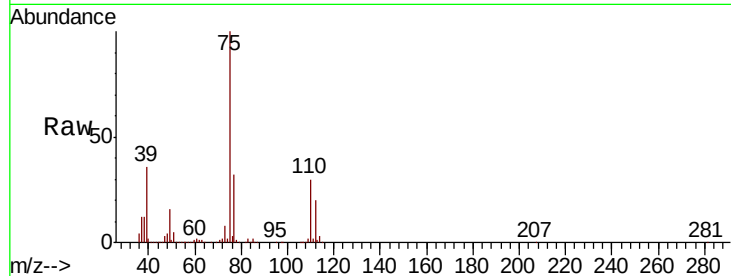
#53
t-1,3-Dichloropropene
Concen: 116.036 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1450725
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

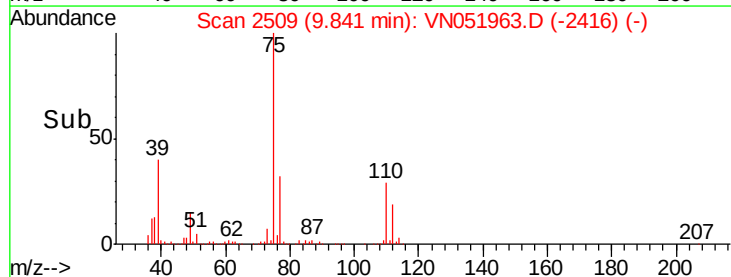
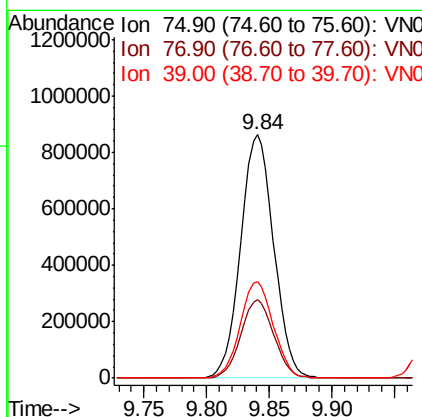
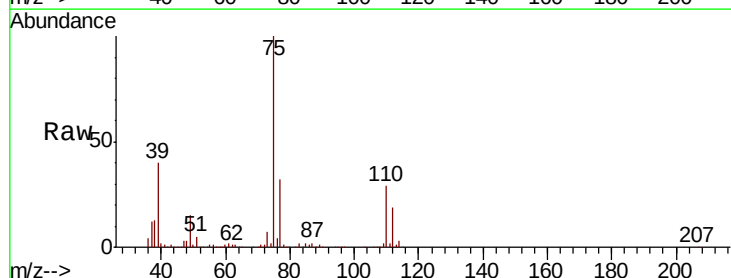
Manual Integrations
APPROVED

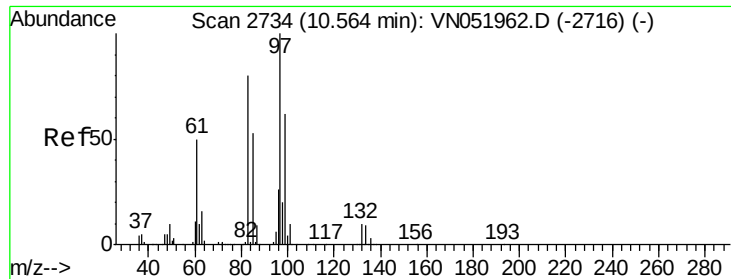
MMDadoda
10/24/2018 10:09:27 AM



#54
cis-1,3-Dichloropropene
Concen: 110.758 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 75 Resp: 1579679
Ion Ratio Lower Upper
75 100
77 32.4 25.2 37.8
39 39.5 32.0 48.0





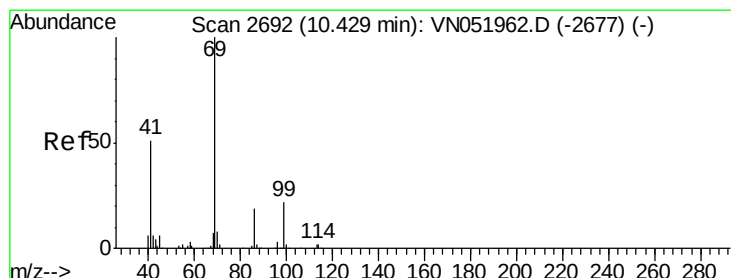
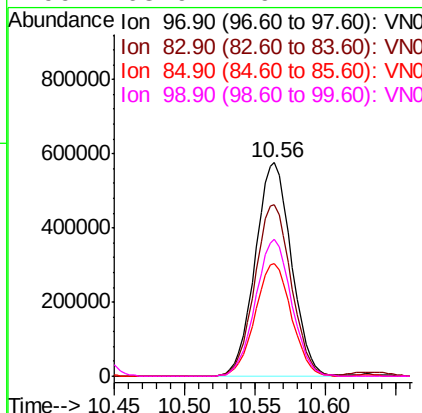
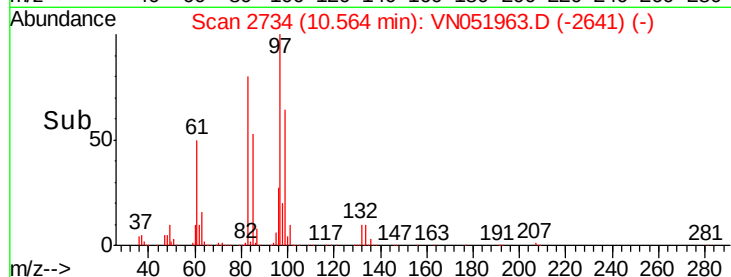
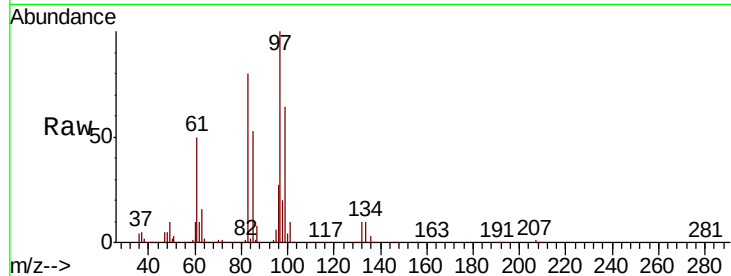
#55
 1,1,2-Trichloroethane
 Concen: 104.040 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	1032832
Ion	Ratio	Lower	Upper
97	100		
83	80.4	64.0	96.0
85	52.8	42.4	63.6
99	63.9	49.4	74.2

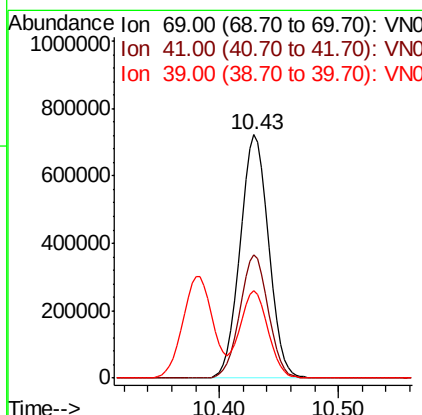
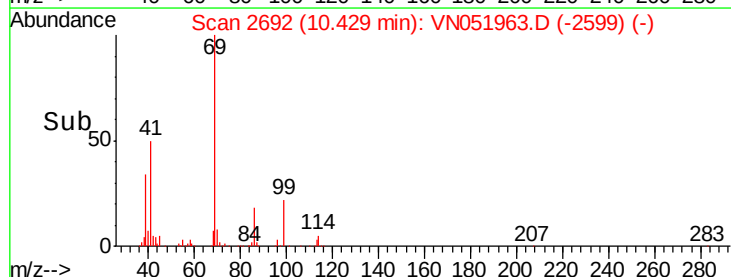
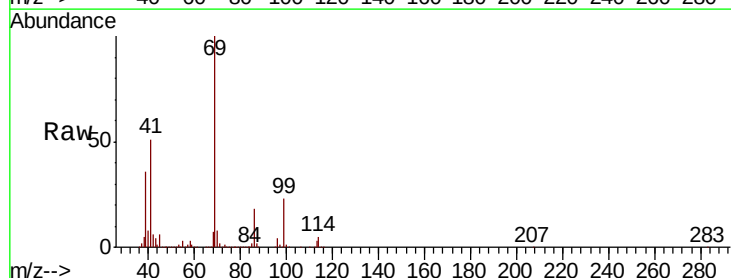
Manual Integrations
 APPROVED

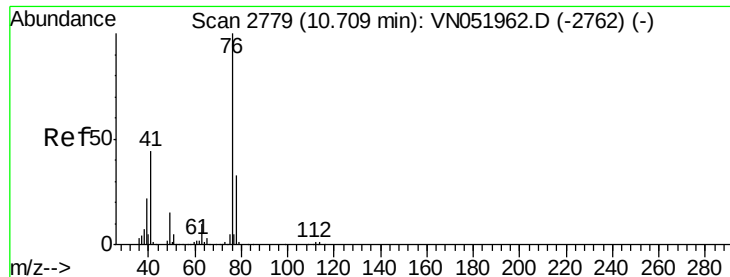
MMDadoda
 10/24/2018 10:09:27 AM



#56
 Ethyl methacrylate
 Concen: 112.433 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion	69	Resp	1199791
Ion	Ratio	Lower	Upper
69	100		
41	50.2	40.7	61.1
39	35.3	29.3	43.9





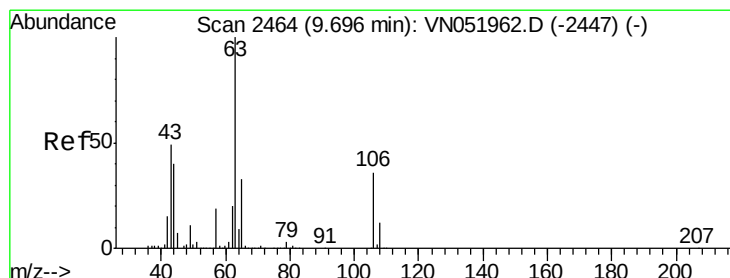
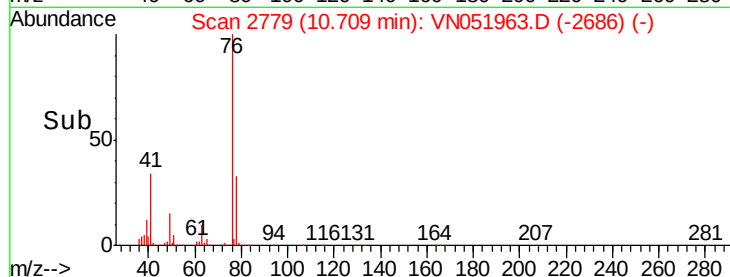
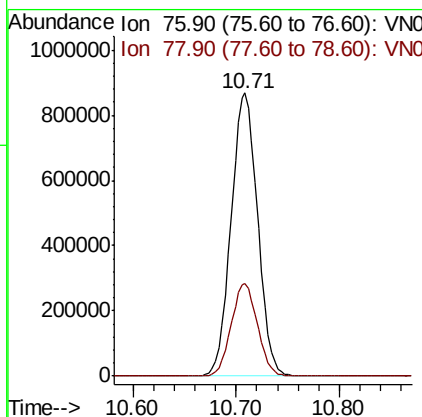
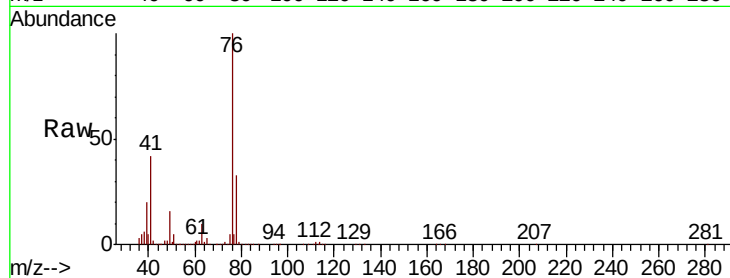
#57
 1,3-Dichloropropane
 Concen: 103.044 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1552958
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.4 39.6

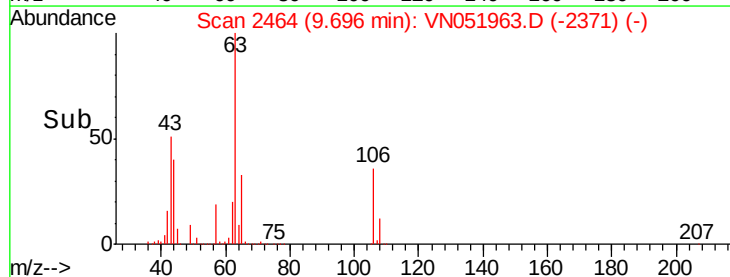
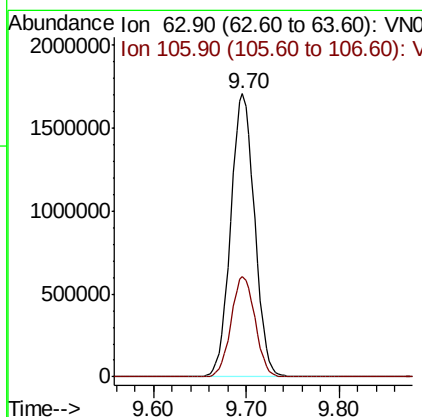
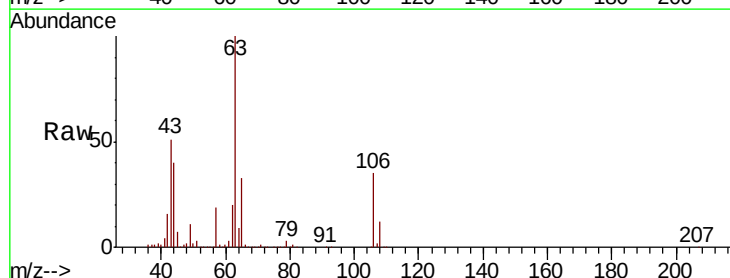
Manual Integrations
 APPROVED

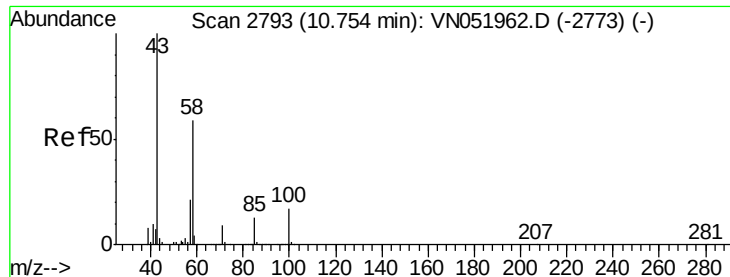
MMDadoda
 10/24/2018 10:09:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 545.001 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion: 63 Resp: 3043055
 Ion Ratio Lower Upper
 63 100
 106 35.8 28.3 42.5





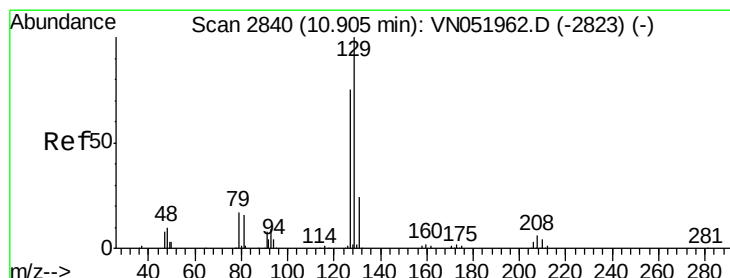
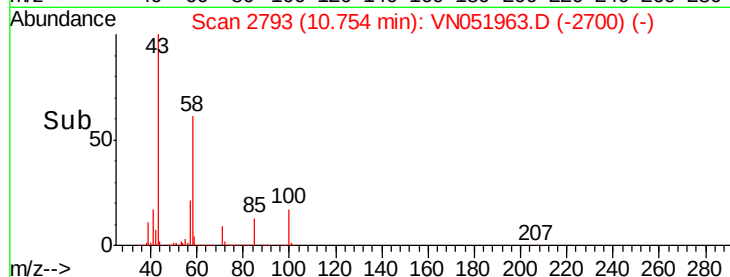
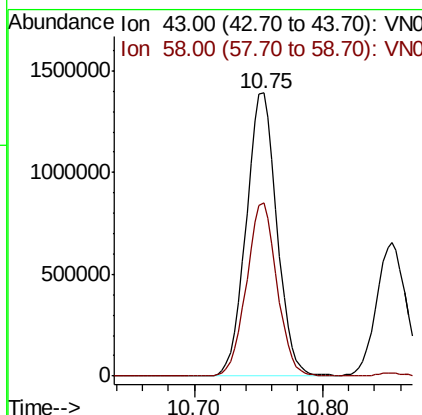
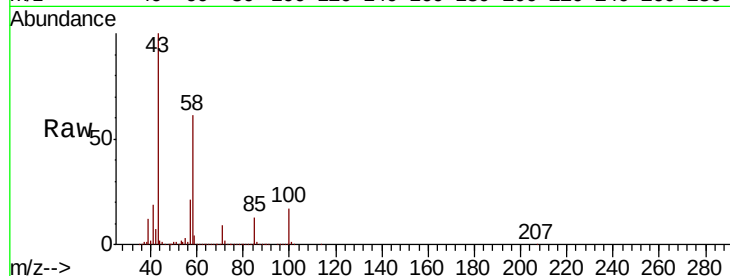
#59
2-Hexanone
Concen: 558.140 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2305371
Ion Ratio Lower Upper
43 100
58 60.9 29.9 89.8

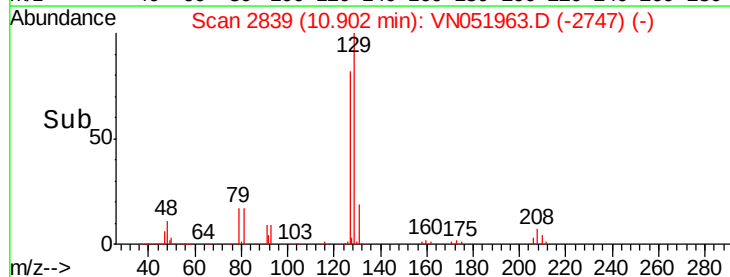
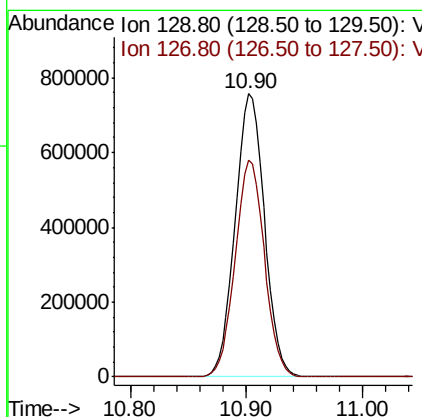
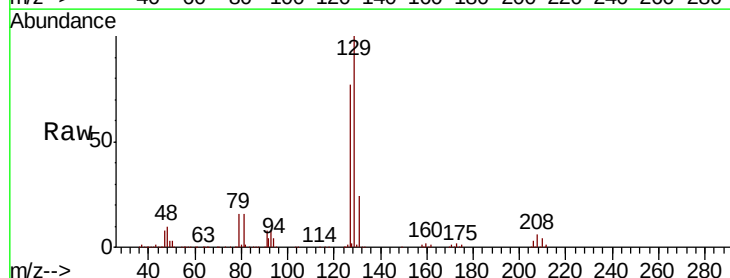
Manual Integrations
APPROVED

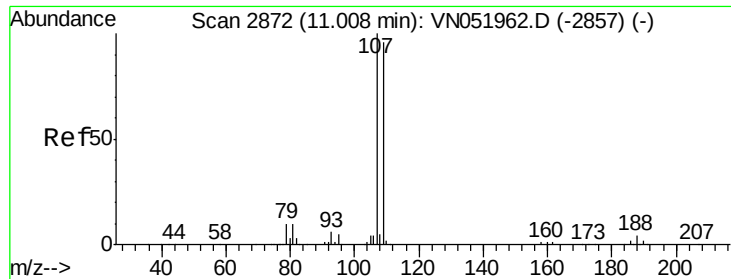
MMDadoda
10/24/2018 10:09:27 AM



#60
Dibromochloromethane
Concen: 119.401 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 129 Resp: 1328344
Ion Ratio Lower Upper
129 100
127 76.3 38.0 114.0





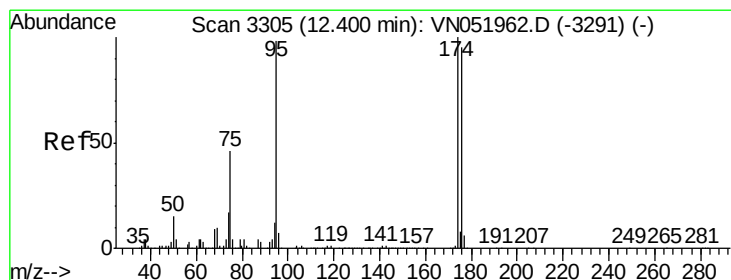
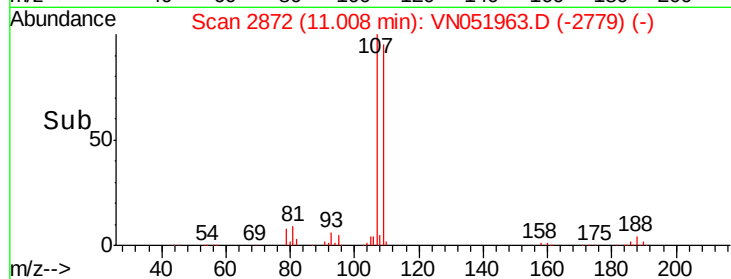
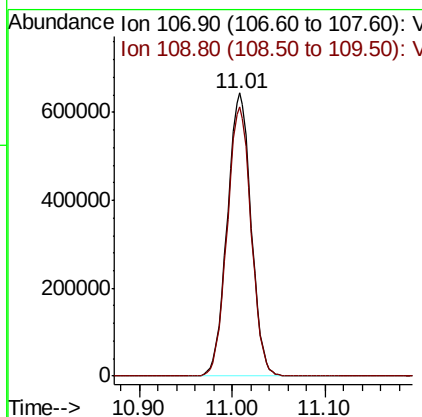
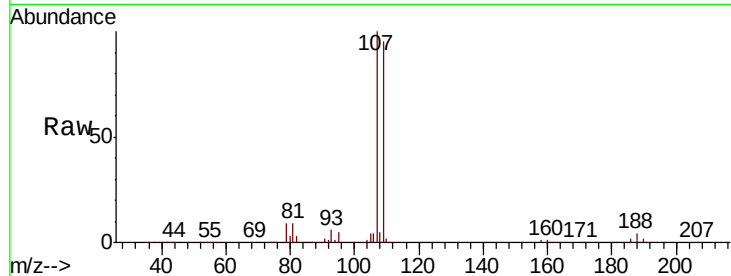
#61
 1,2-Dibromoethane
 Concen: 109.563 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 1146812
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.9 113.9

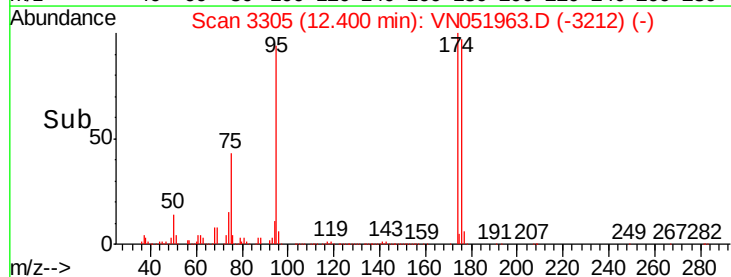
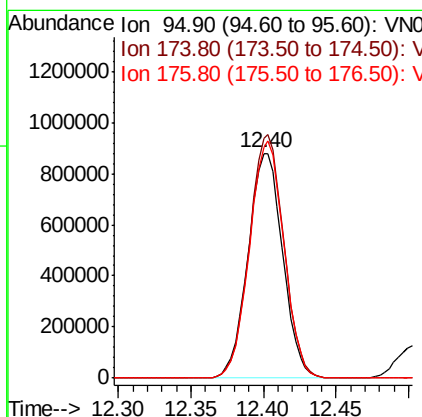
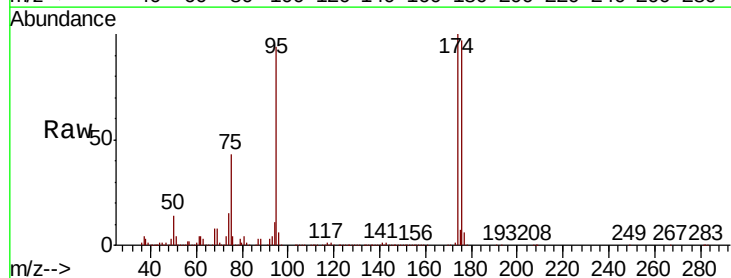
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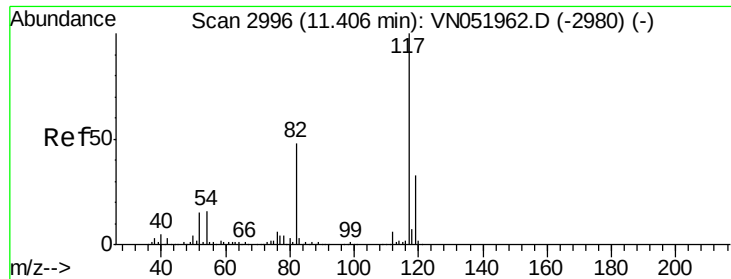
MMDadoda
 10/24/2018 10:09:27 AM



#62
 4-Bromofluorobenzene
 Concen: 109.563 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion: 95 Resp: 1465712
 Ion Ratio Lower Upper
 95 100
 174 107.6 0.0 206.0
 176 104.8 0.0 198.0





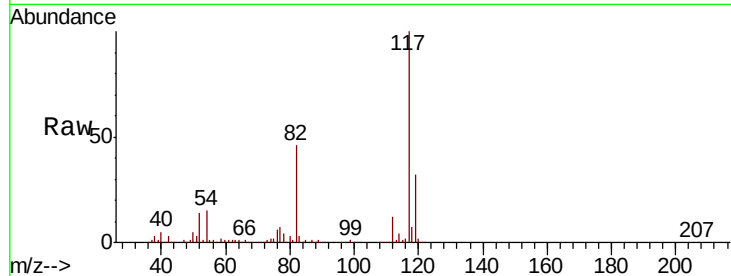
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.5	38.1	57.1
119	32.1	26.4	39.6

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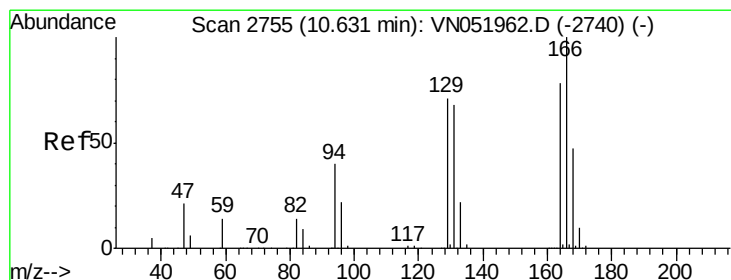
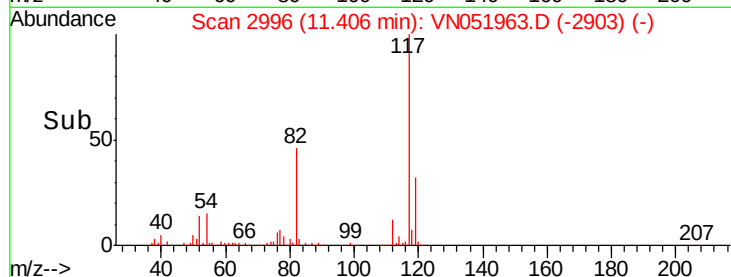
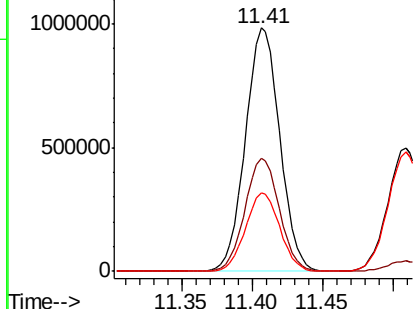


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 100.372 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.1	154.7
129	89.5	73.6	110.4
131	84.9	70.3	105.5

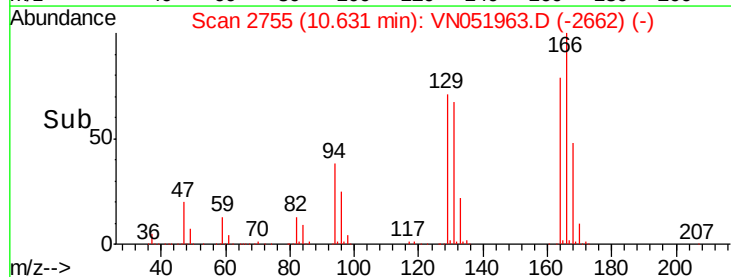
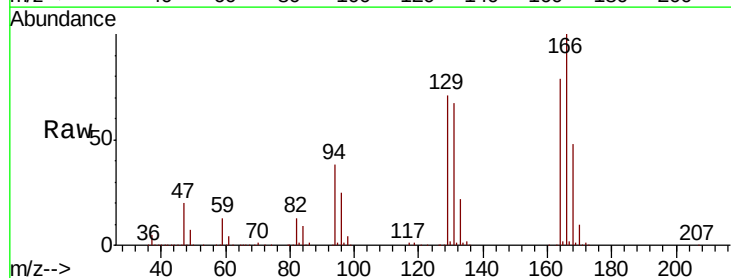
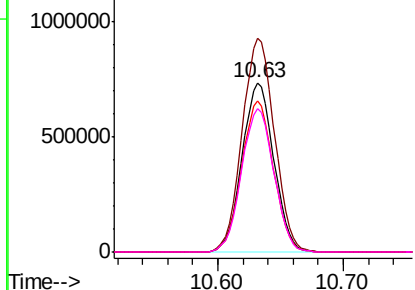
Abundance

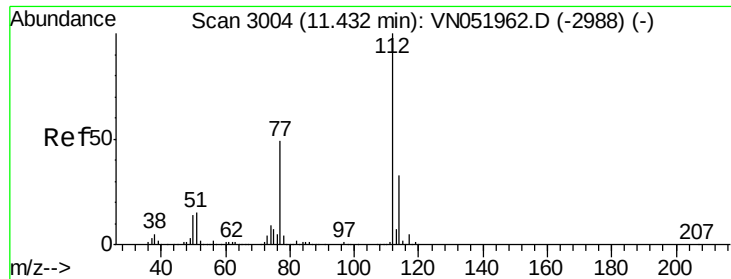
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





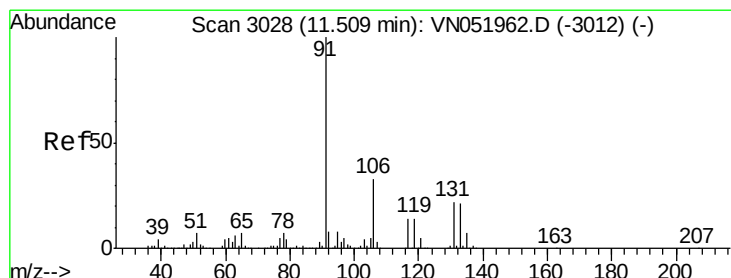
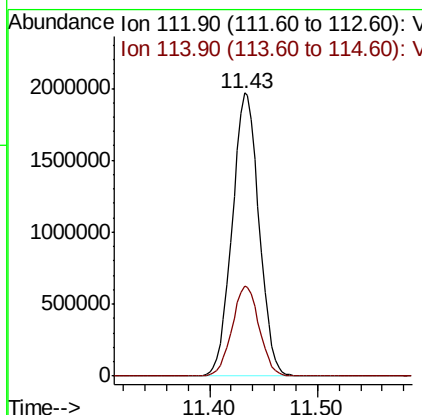
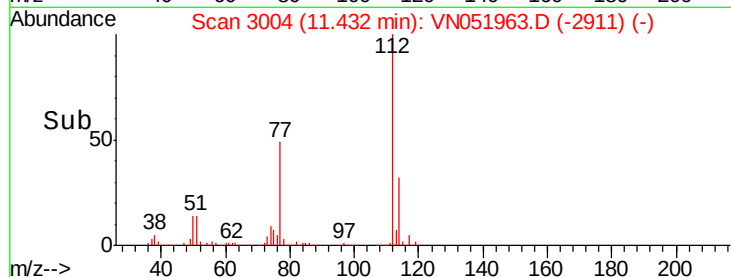
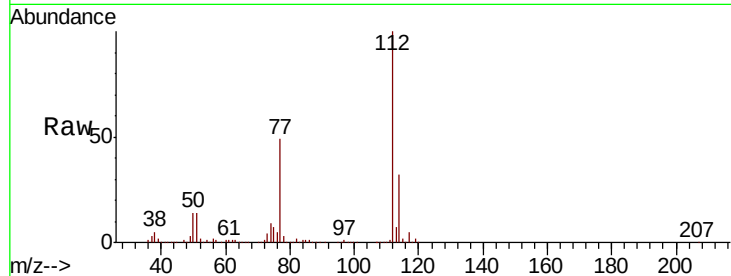
#65
Chlorobenzene
Concen: 100.575 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 3412588
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1

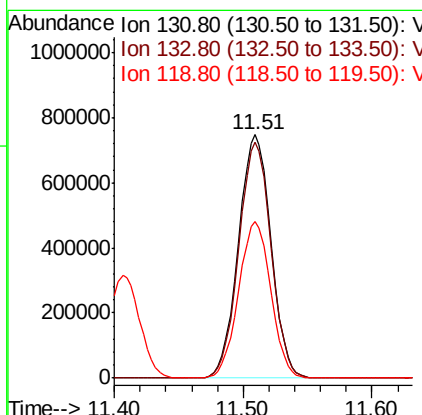
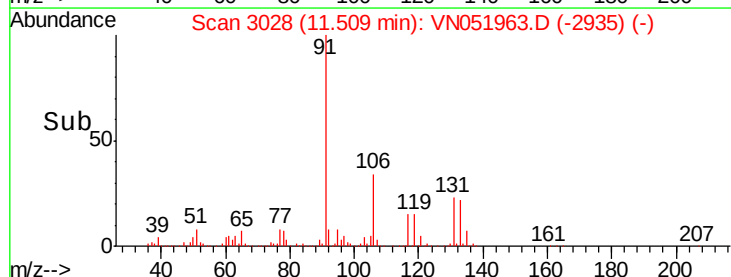
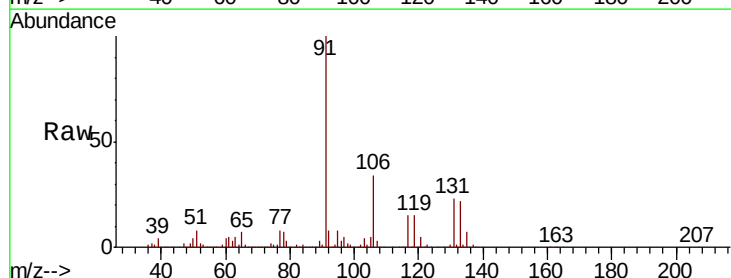
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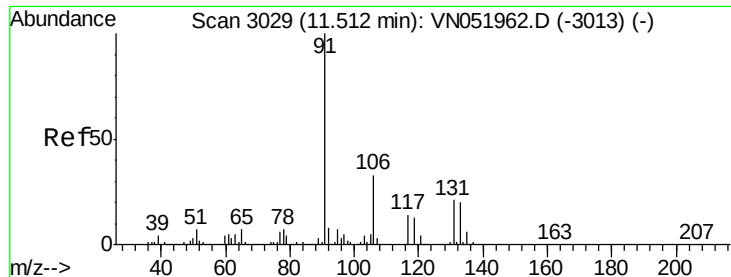
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#66
1,1,1,2-Tetrachloroethane
Concen: 107.615 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion:131 Resp: 1312461
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 63.7 32.0 96.2





#67

Ethyl Benzene

Concen: 102.094 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 5568292

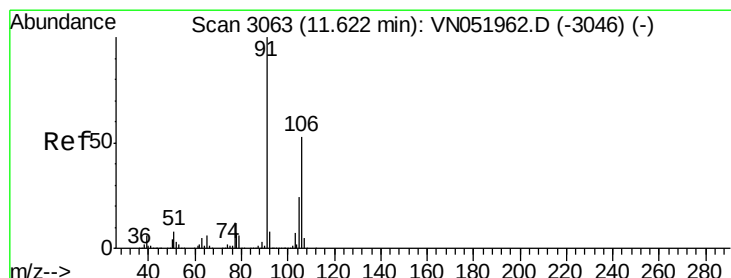
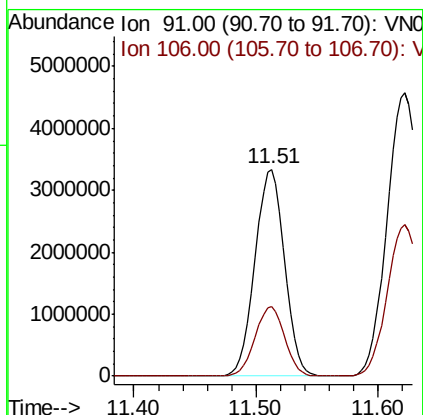
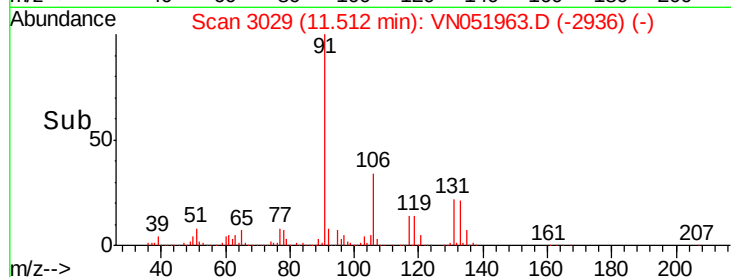
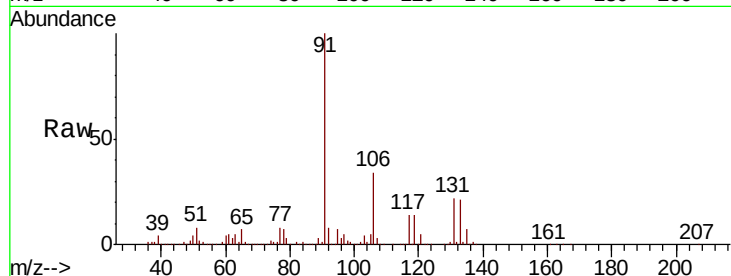
Ion Ratio Lower Upper

91 100

106 33.7 26.4 39.6

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#68

m/p-Xylenes

Concen: 214.578 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051963.D

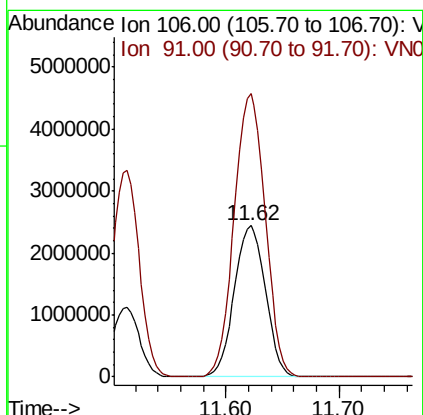
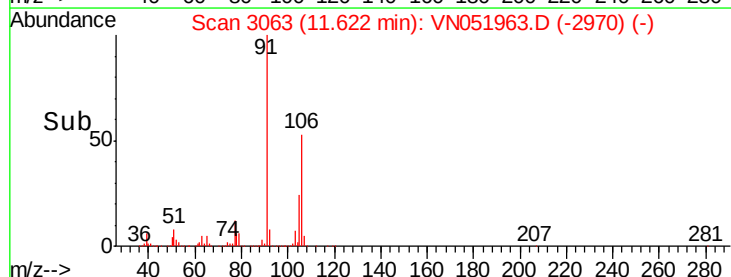
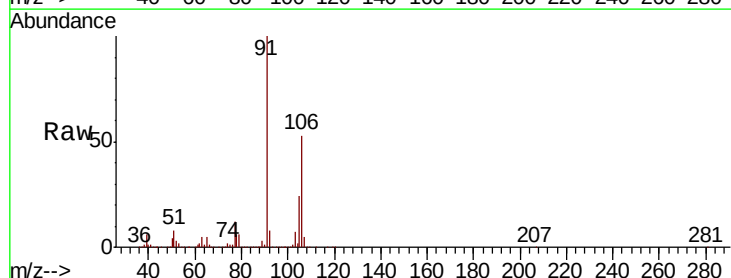
Acq: 23 Oct 2018 14:27

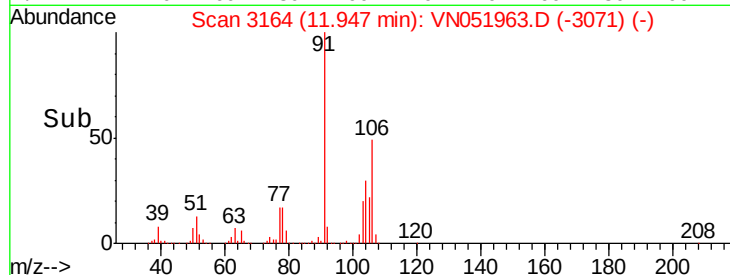
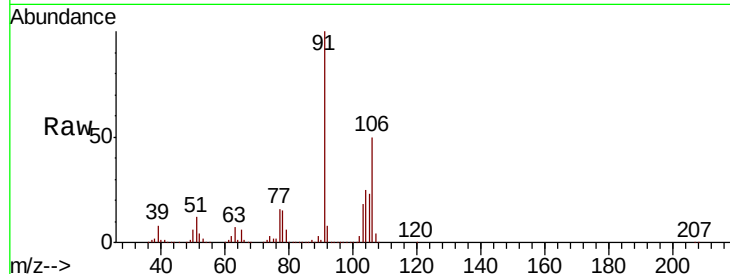
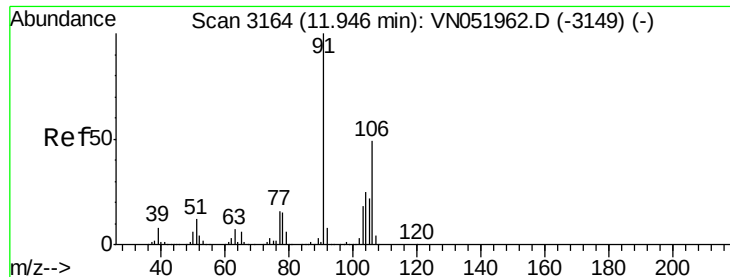
Tgt Ion: 106 Resp: 4675963

Ion Ratio Lower Upper

106 100

91 187.7 152.2 228.2





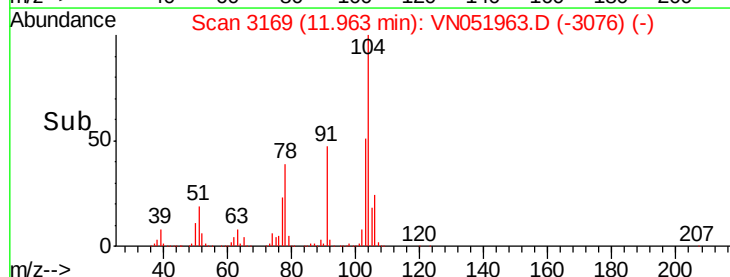
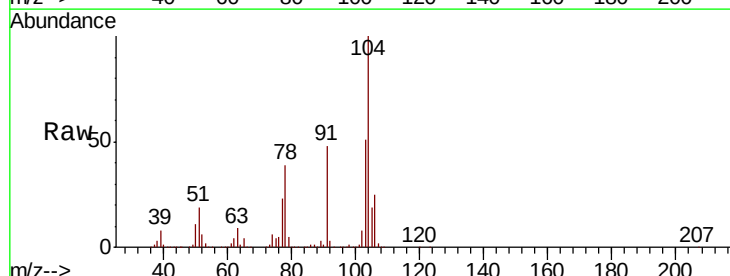
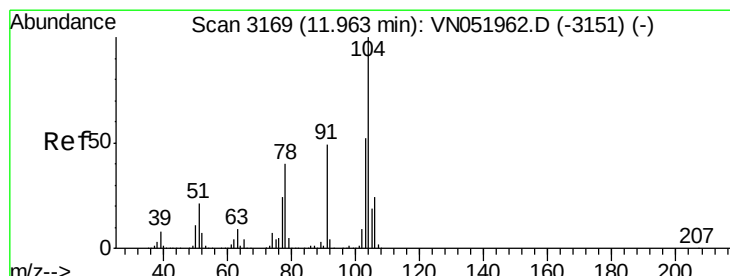
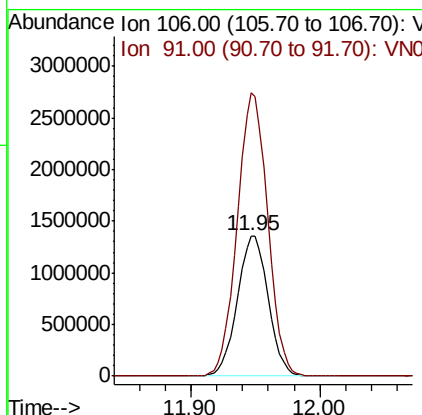
#69
o-Xylene
Concen: 106.163 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2249938
Ion Ratio Lower Upper
106 100
91 199.7 101.0 303.0

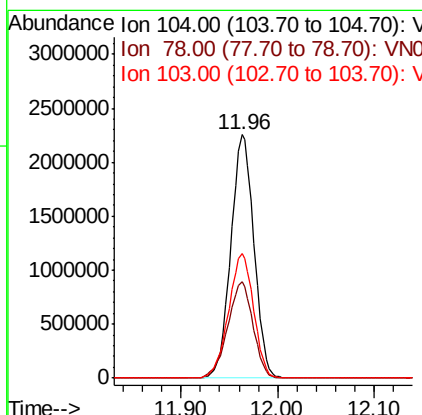
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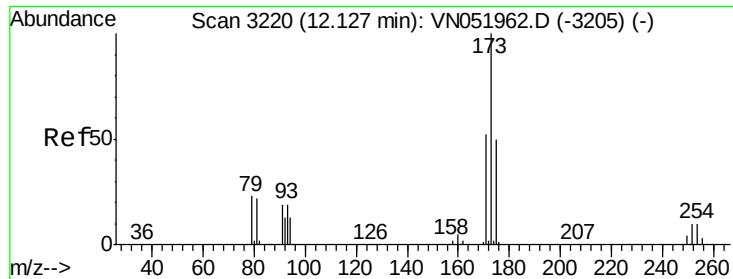
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#70
Styrene
Concen: 110.136 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion:104 Resp: 3730657
Ion Ratio Lower Upper
104 100
78 43.3 35.8 53.6
103 55.5 44.9 67.3





#71

Bromoform

Concen: 129.115 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 960533

Ion Ratio Lower Upper

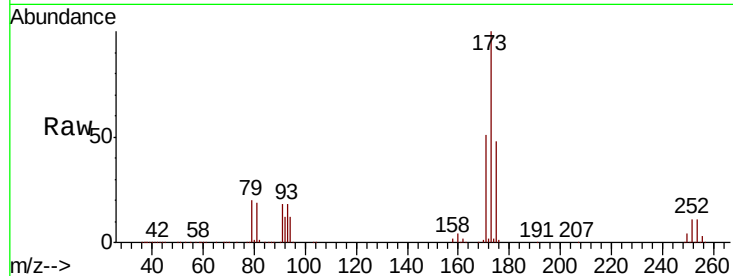
173 100

175 48.4 24.6 74.0

254 0.2 0.1 0.1#

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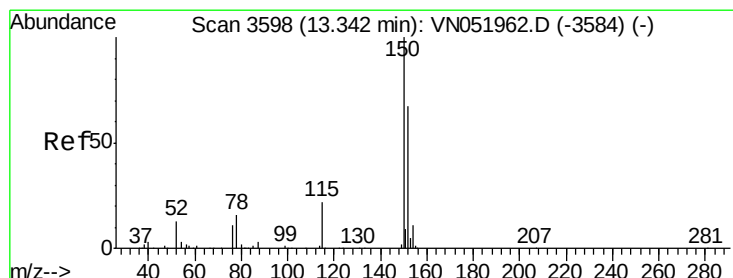
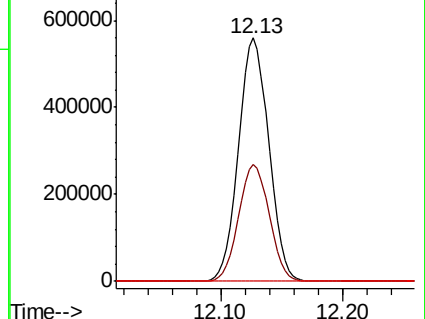
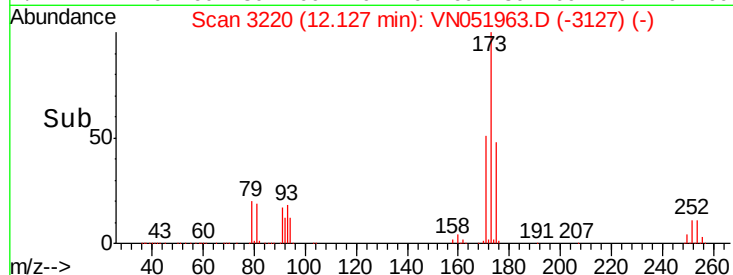
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN051963.D

Acq: 23 Oct 2018 14:27

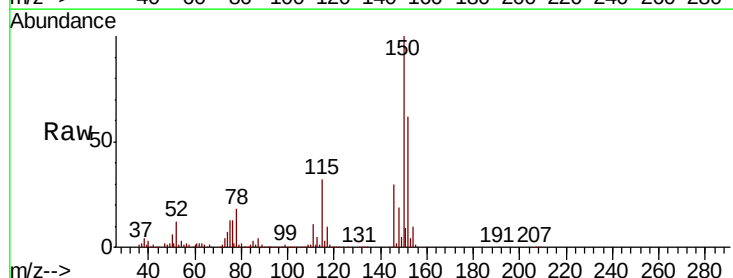
Tgt Ion:152 Resp: 999590

Ion Ratio Lower Upper

152 100

115 50.2 25.8 77.3

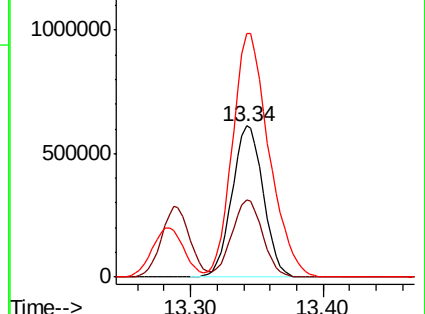
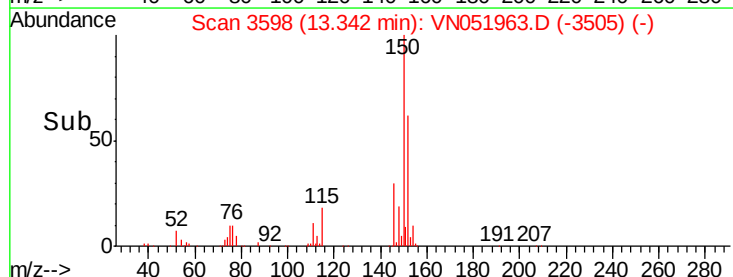
150 188.4 0.0 344.4

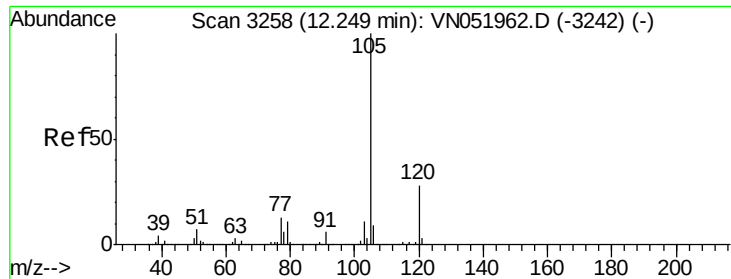


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





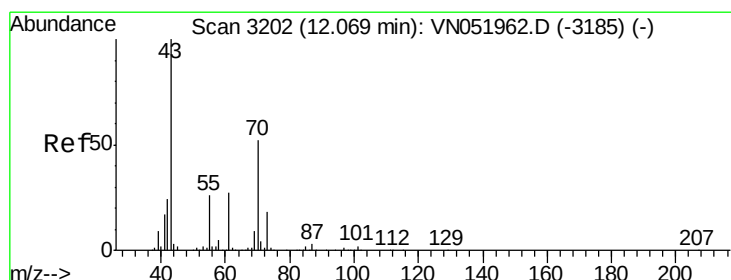
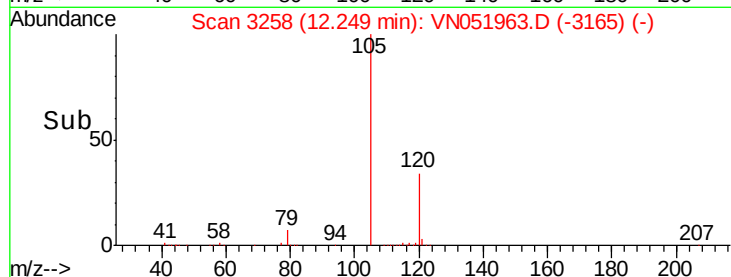
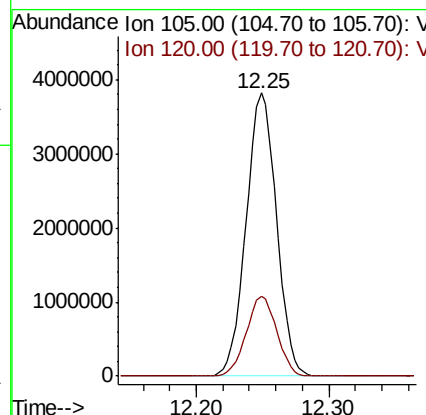
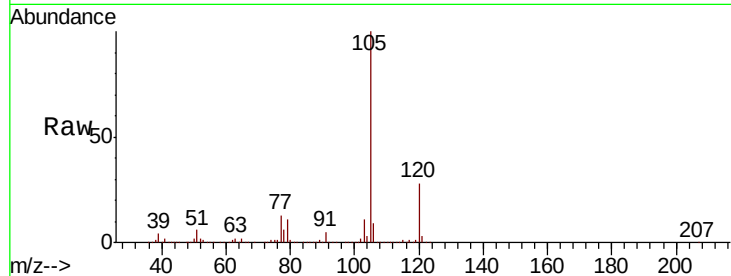
#73
Isopropylbenzene
Concen: 95.602 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:105 Resp: 6060607
Ion Ratio Lower Upper
105 100
120 28.4 14.0 41.9

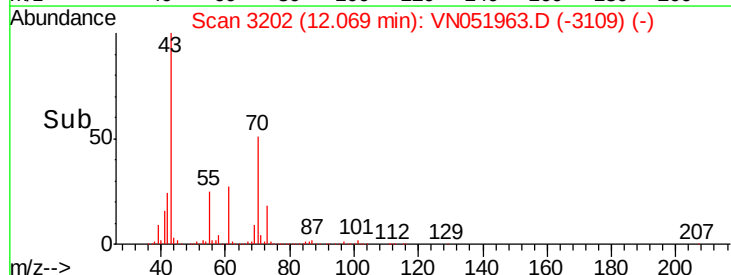
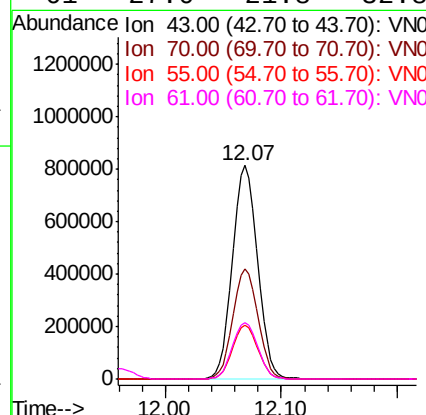
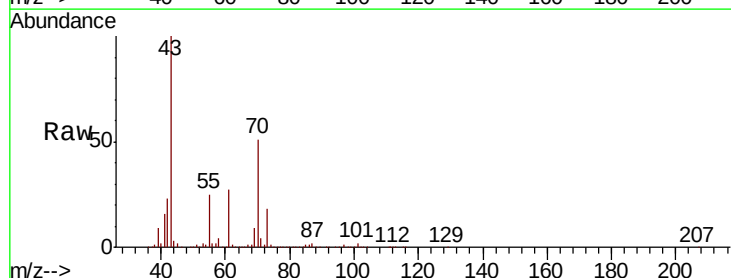
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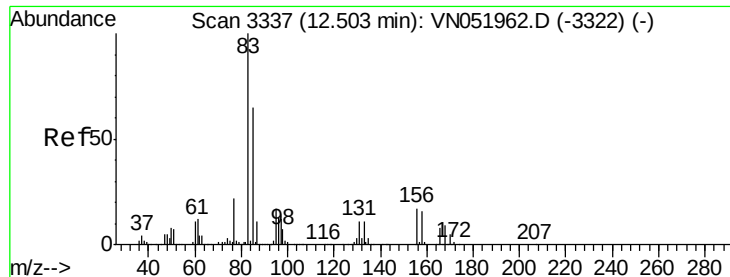
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#74
N-ethyl acetate
Concen: 97.137 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 43 Resp: 1212065
Ion Ratio Lower Upper
43 100
70 51.7 41.3 61.9
55 25.5 21.2 31.8
61 27.0 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 95.681 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1253316

Ion Ratio Lower Upper

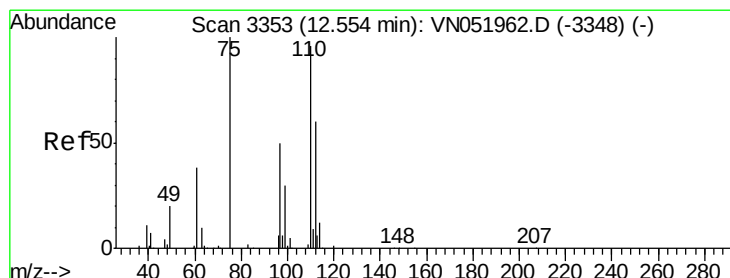
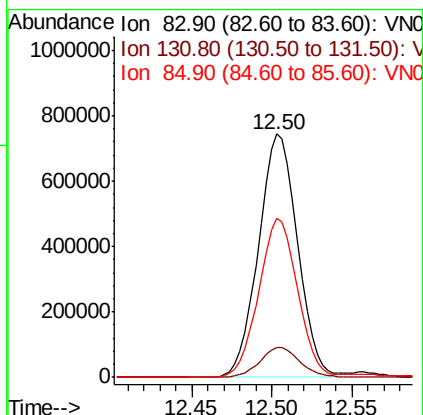
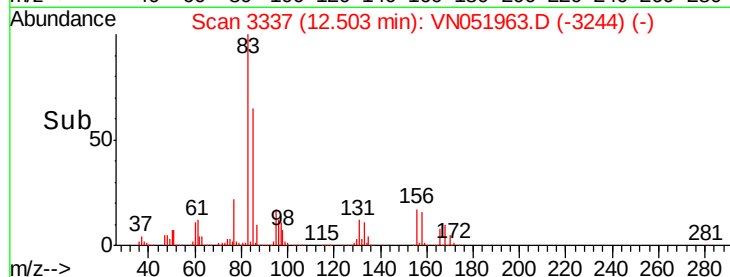
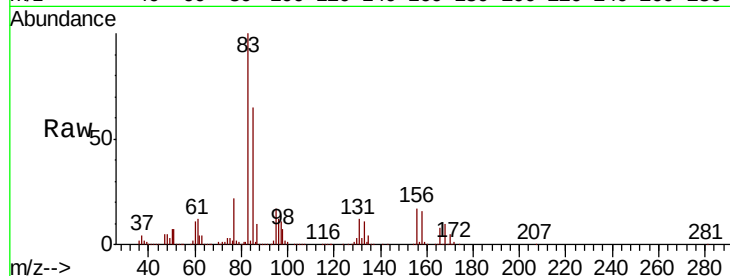
83 100

131 12.7 6.2 18.6

85 65.0 32.7 98.1

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#76

1,2,3-Trichloropropane

Concen: 96.099 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051963.D

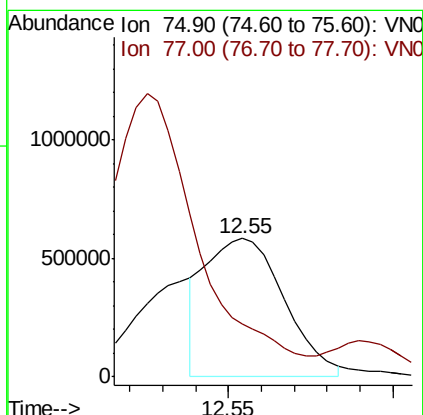
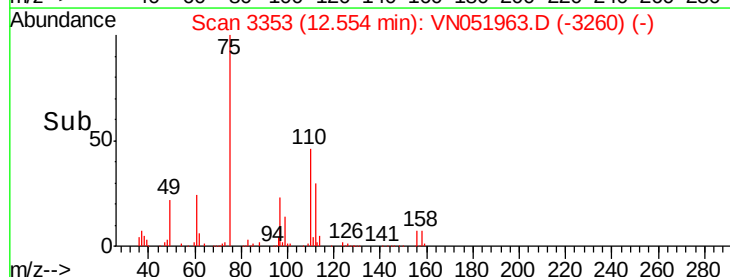
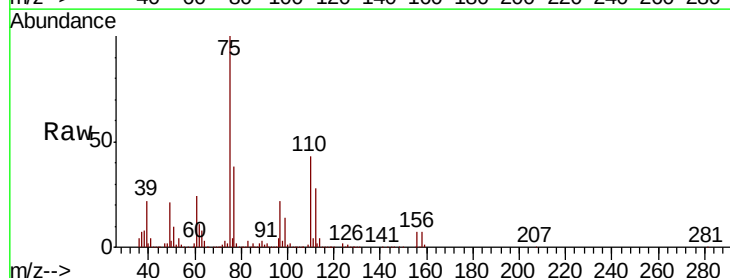
Acq: 23 Oct 2018 14:27

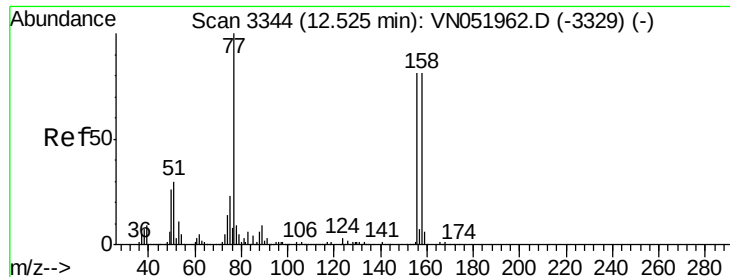
Tgt Ion: 75 Resp: 978262

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 99.867 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1747220

Ion Ratio Lower Upper

156 100

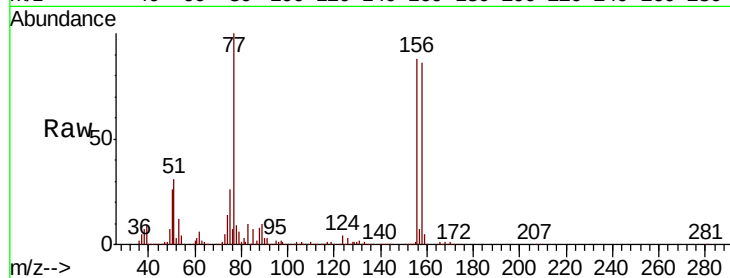
77 133.7 71.1 213.3

158 98.1 49.3 147.8

Manual Integrations
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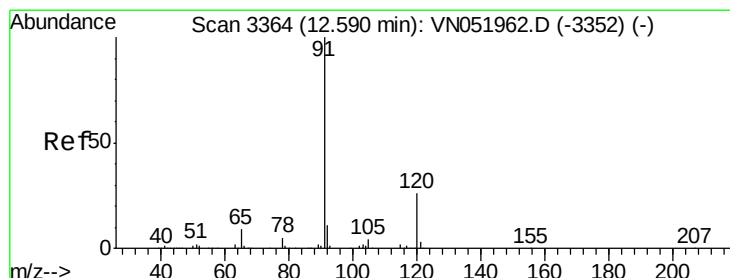
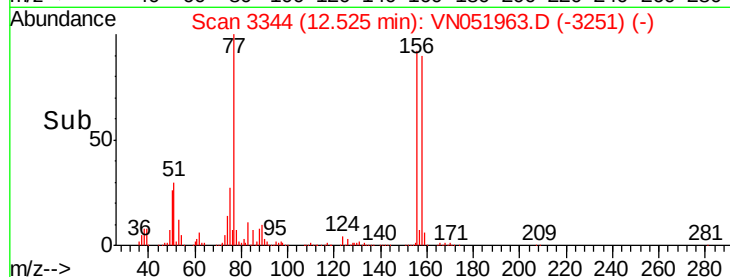
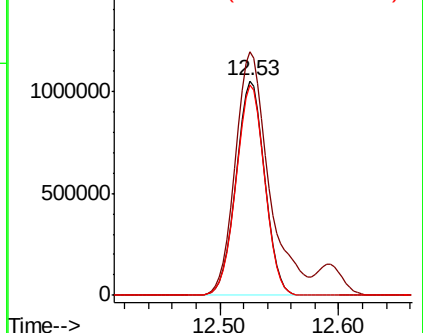
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 96.649 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051963.D

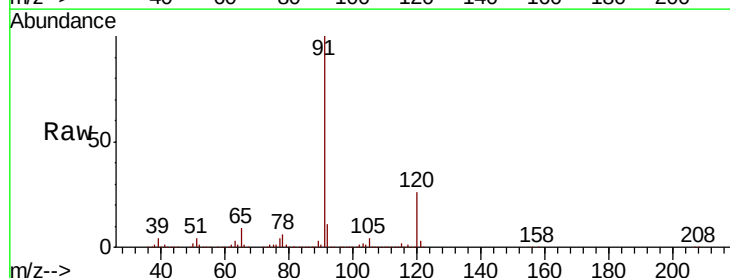
Acq: 23 Oct 2018 14:27

Tgt Ion: 91 Resp: 6609441

Ion Ratio Lower Upper

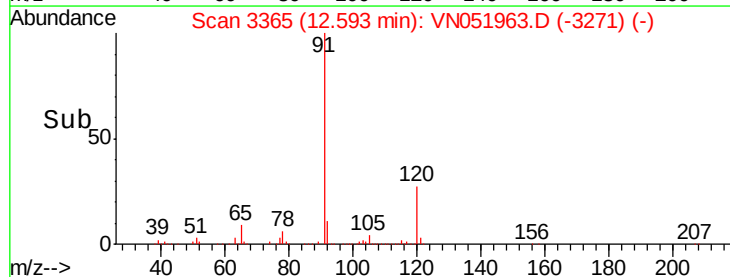
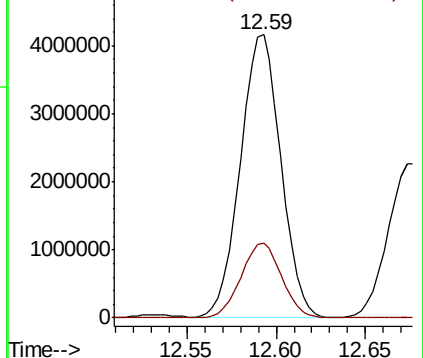
91 100

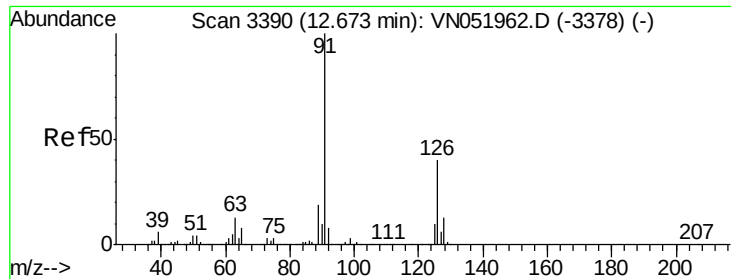
120 26.4 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 94.611 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3767818

Ion Ratio Lower Upper

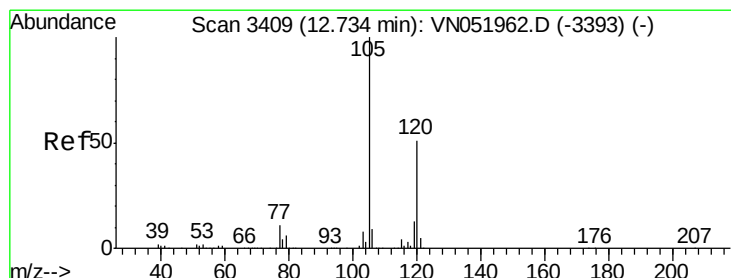
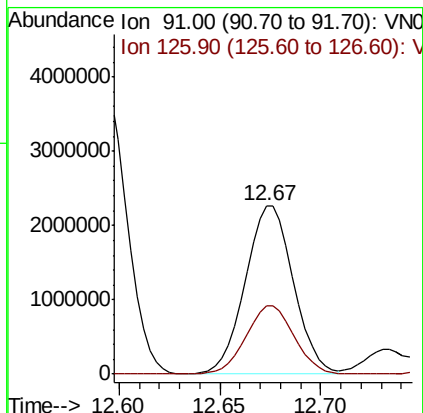
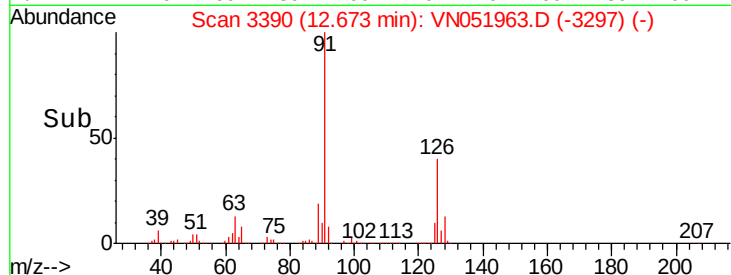
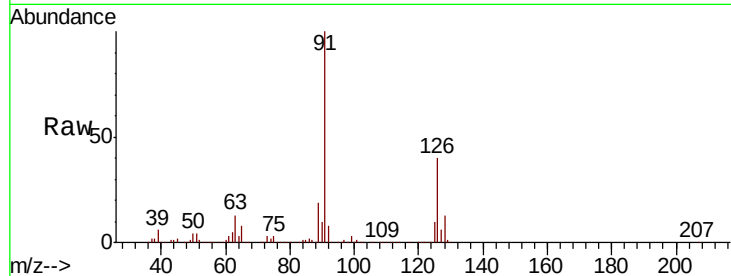
91 100

126 40.8 20.1 60.3

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#80

1,3,5-Trimethylbenzene

Concen: 99.740 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051963.D

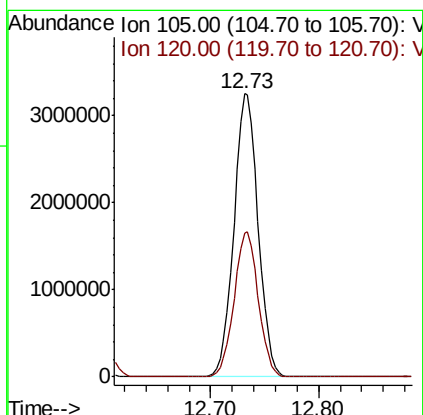
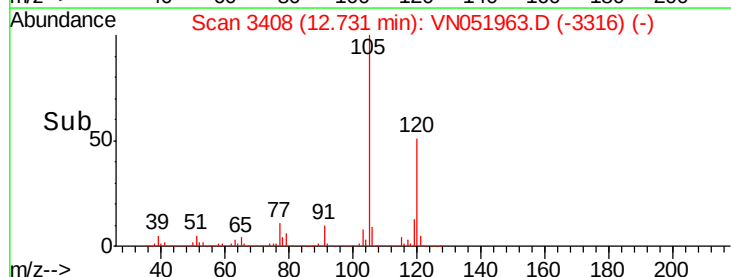
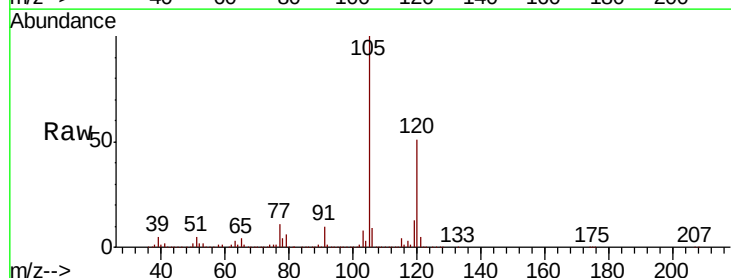
Acq: 23 Oct 2018 14:27

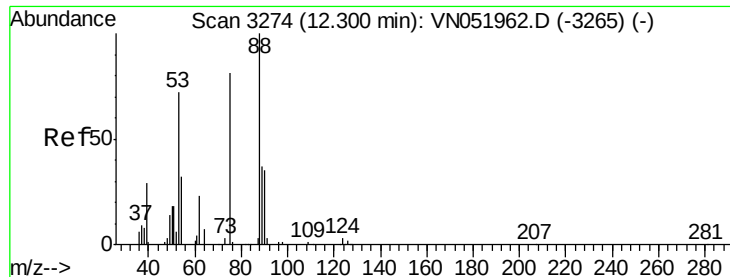
Tgt Ion: 105 Resp: 5072896

Ion Ratio Lower Upper

105 100

120 51.3 25.7 77.1





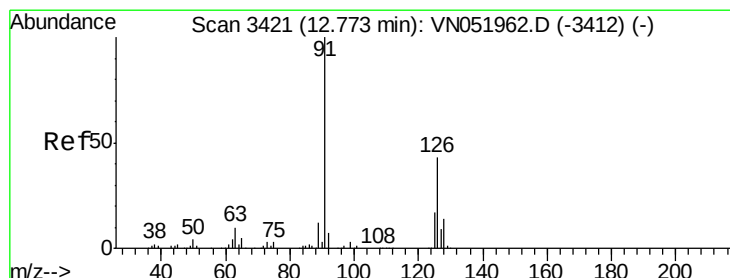
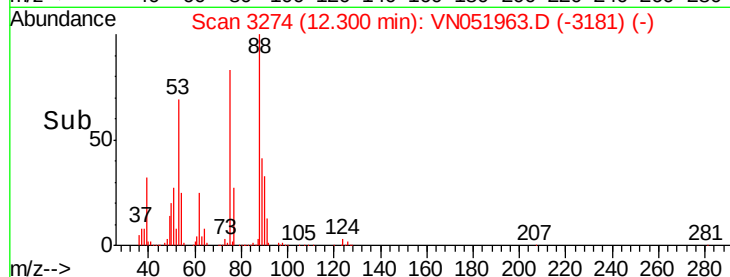
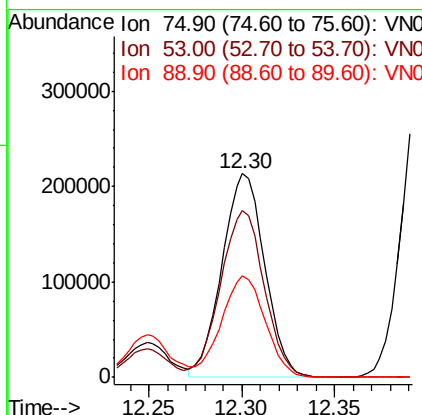
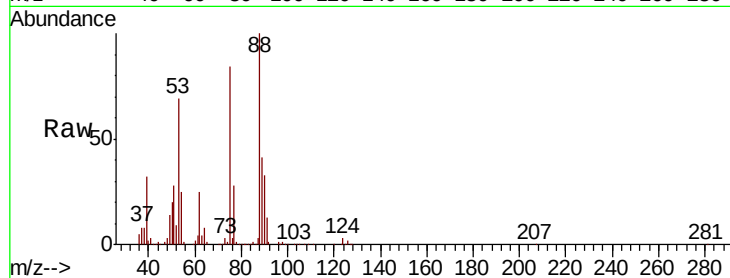
#81
trans-1,4-Dichloro-2-butene
Concen: 121.477 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.4	73.5	110.3
89	51.6	41.6	62.4

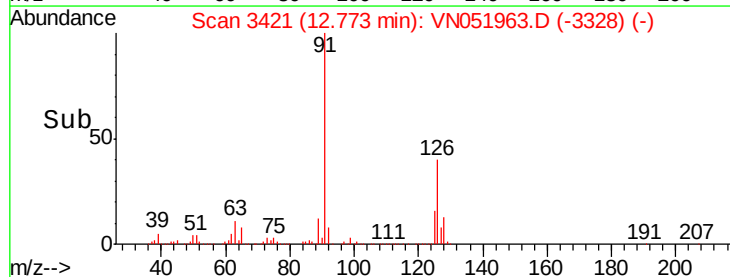
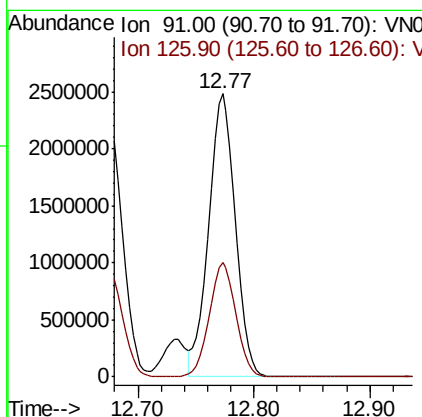
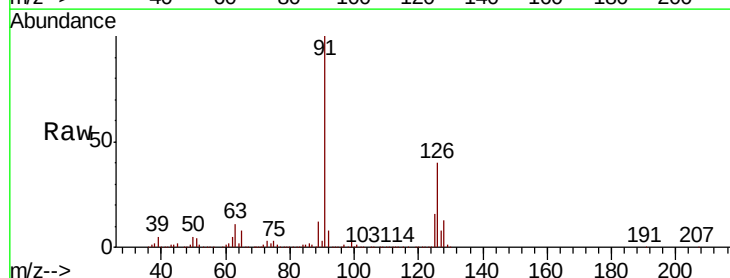
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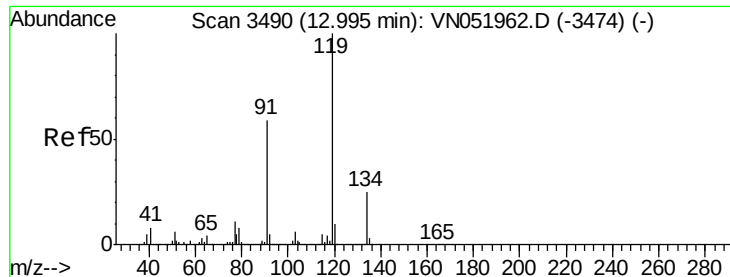
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#82
4-Chlorotoluene
Concen: 96.718 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	40.0	19.7	59.0





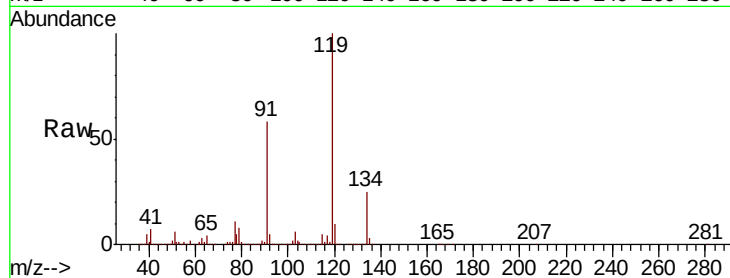
#83
 tert-Butylbenzene
 Concen: 98.432 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

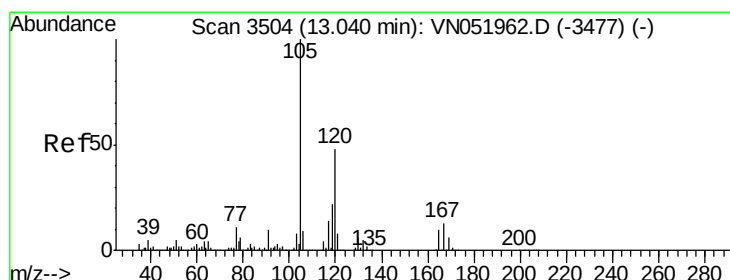
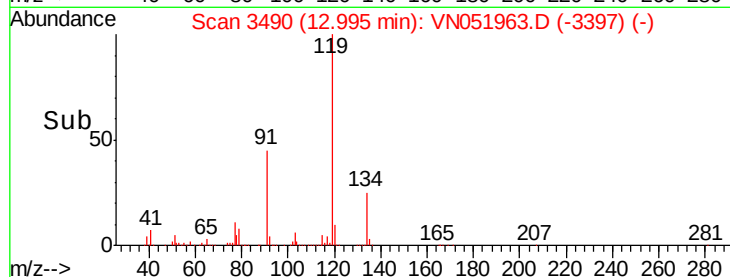
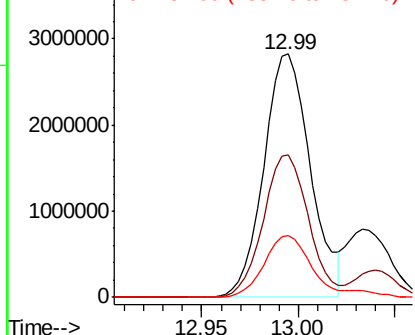
Tot Ion:119 Resp: 4735016
 Ion Ratio Lower Upper
 119 100
 91 56.6 28.8 86.4
 134 27.1 13.4 40.1

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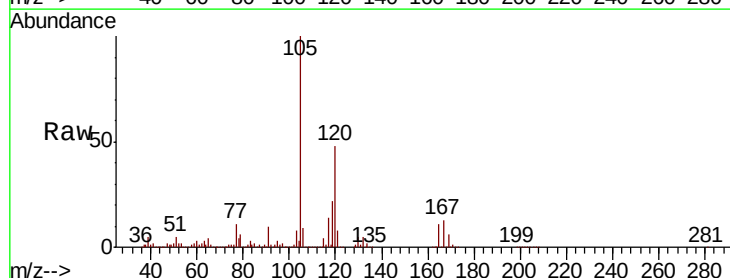


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

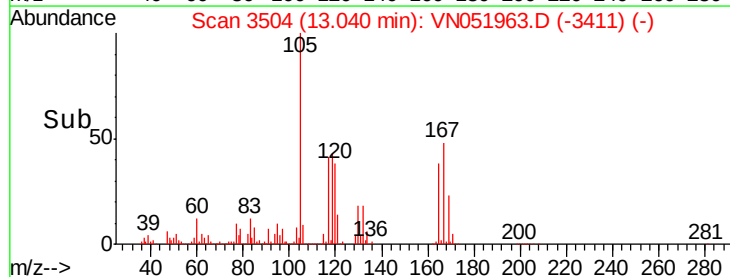
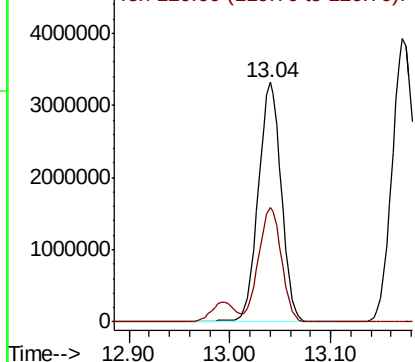


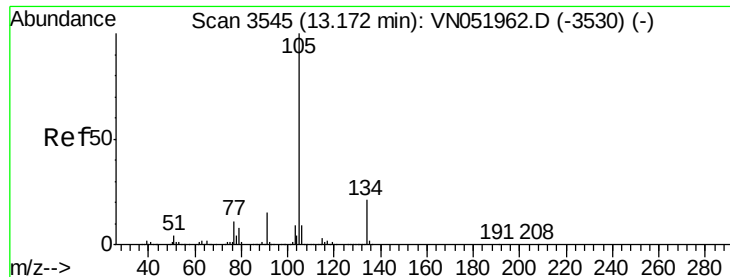
#84
 1,2,4-Trimethylbenzene
 Concen: 99.388 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion:105 Resp: 5214244
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.8 71.5



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





#85

sec-Butylbenzene

Concen: 98.025 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 6158672

Ion Ratio Lower Upper

105 100

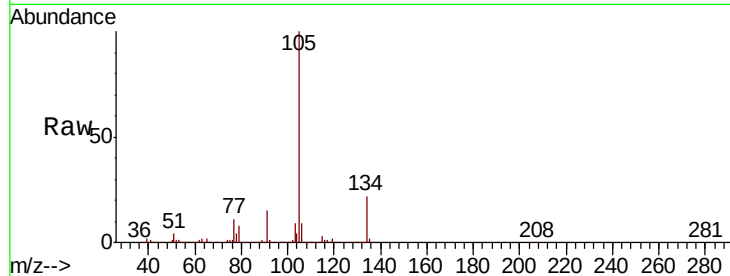
134 22.3 10.9 32.9

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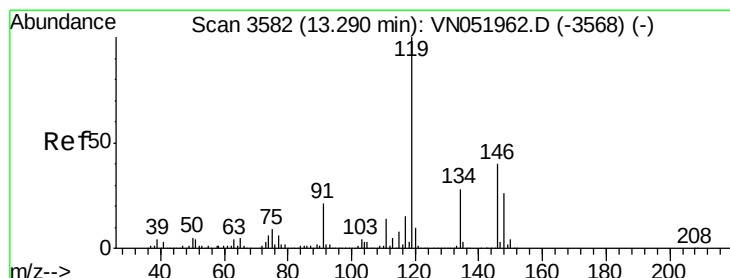
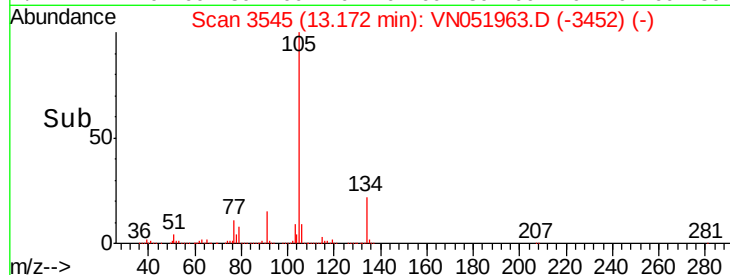
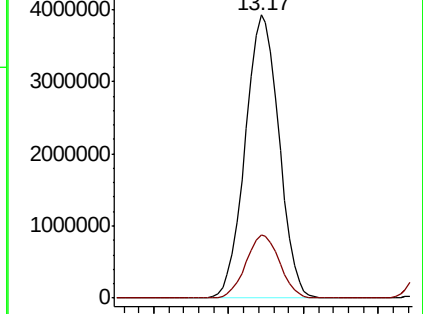
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 101.764 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

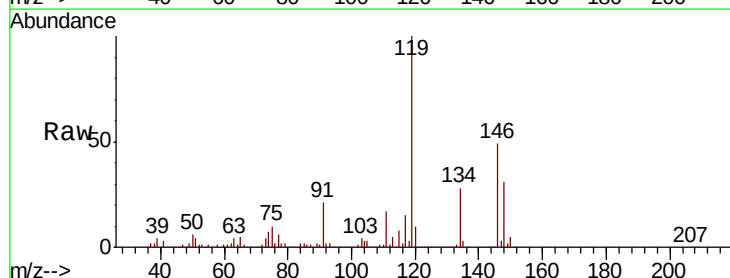
Tgt Ion:119 Resp: 5756234

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

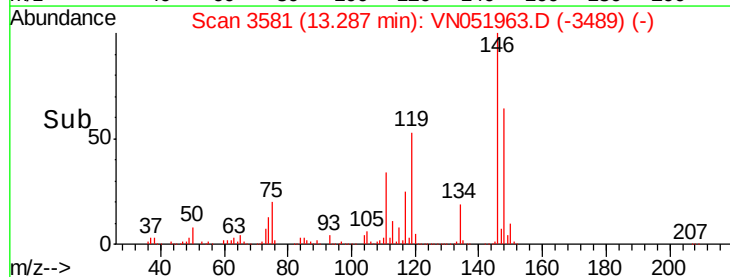
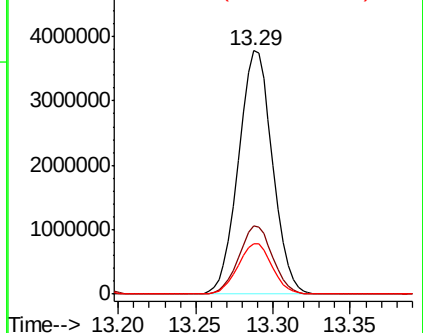
91 20.8 10.6 31.8

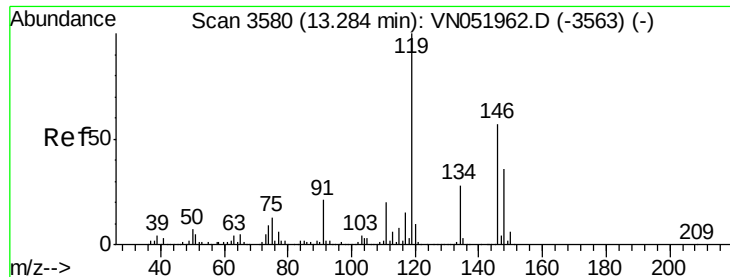


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





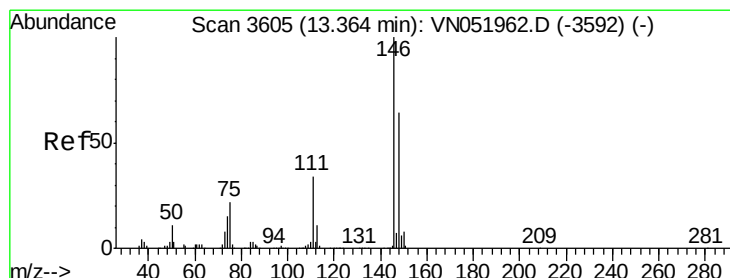
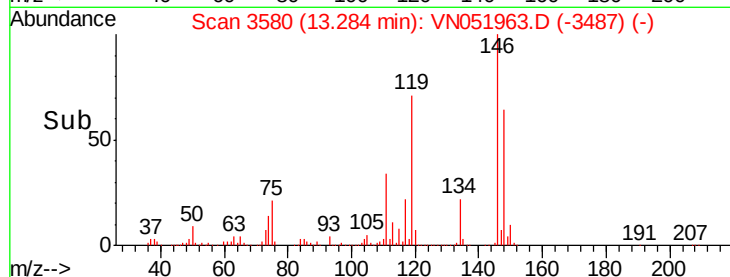
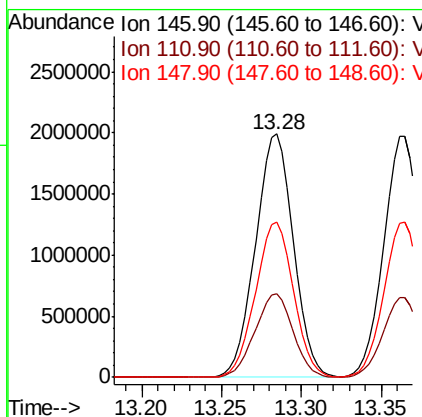
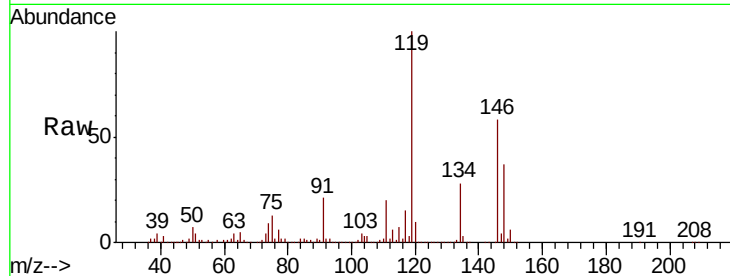
#87
 1,3-Dichlorobenzene
 Concen: 100.598 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 3246115
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.6 52.8
 148 64.1 32.0 96.0

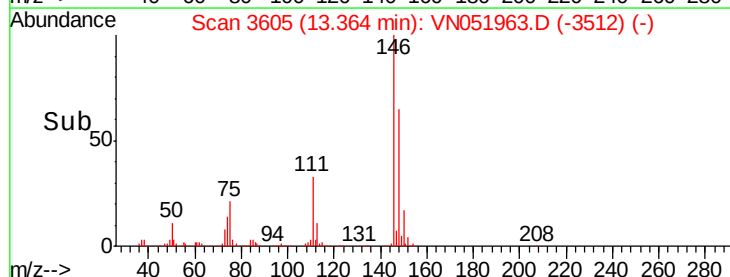
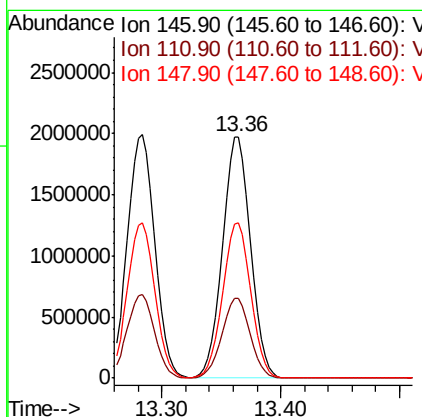
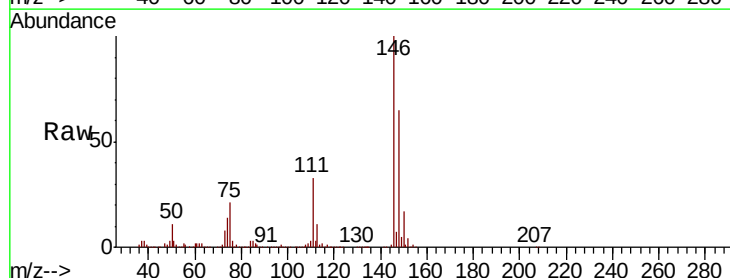
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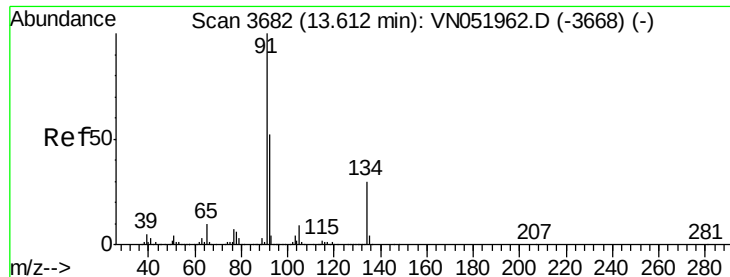
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#88
 1,4-Dichlorobenzene
 Concen: 101.213 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion:146 Resp: 3219819
 Ion Ratio Lower Upper
 146 100
 111 33.3 17.3 51.7
 148 64.4 32.1 96.3





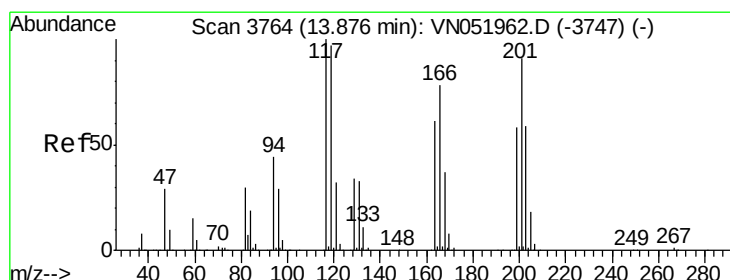
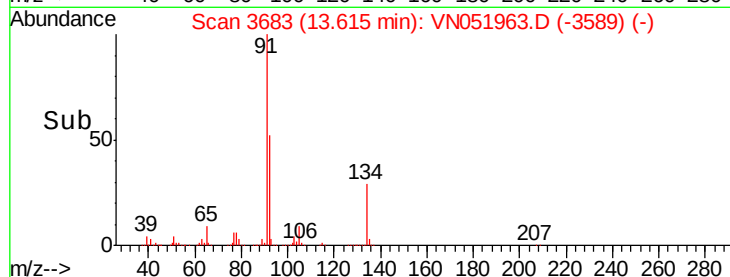
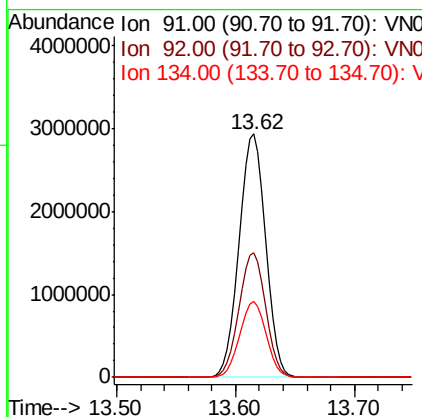
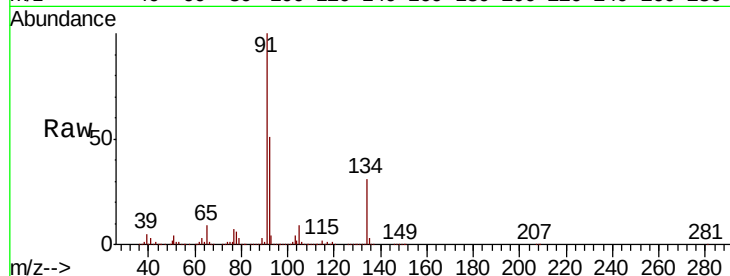
#89
n-Butylbenzene
Concen: 100.821 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4541008
Ion Ratio Lower Upper
91 100
92 51.5 25.9 77.8
134 31.0 15.2 45.6

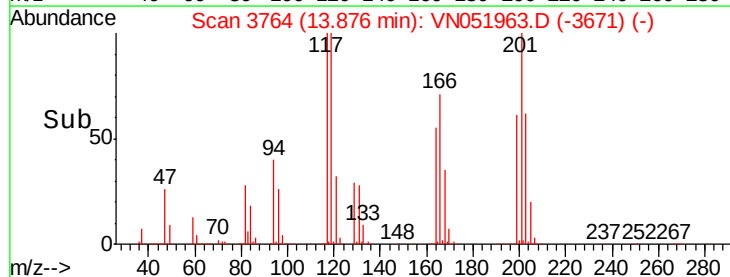
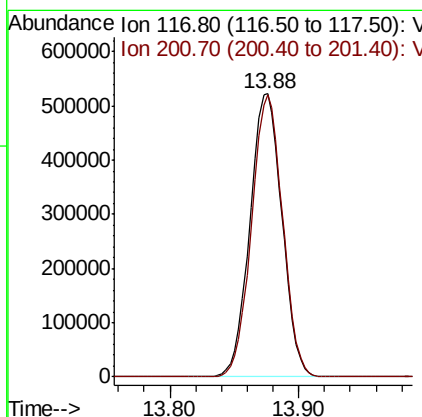
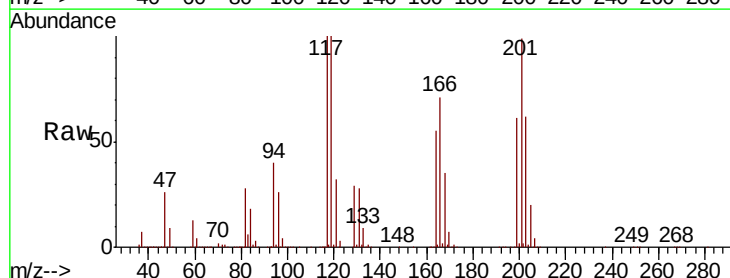
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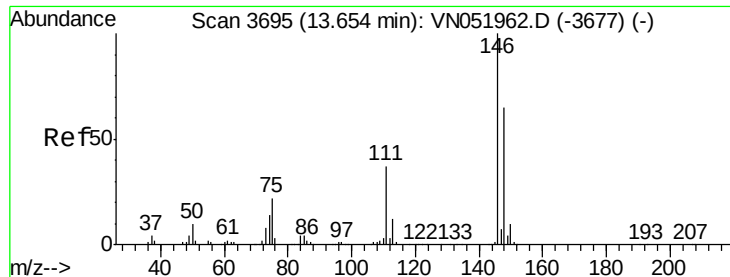
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#90
Hexachloroethane
Concen: 107.529 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051963.D
Acq: 23 Oct 2018 14:27

Tgt Ion: 117 Resp: 906139
Ion Ratio Lower Upper
117 100
201 96.5 45.6 136.9





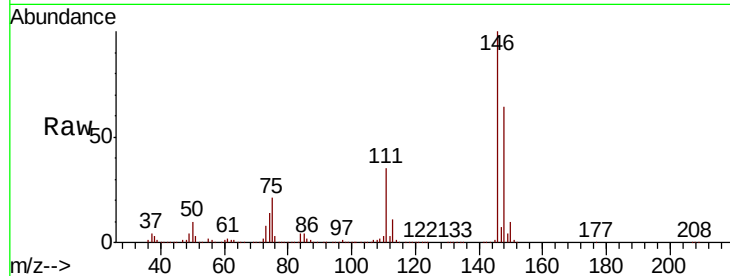
#91
 1,2-Dichlorobenzene
 Concen: 99.500 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

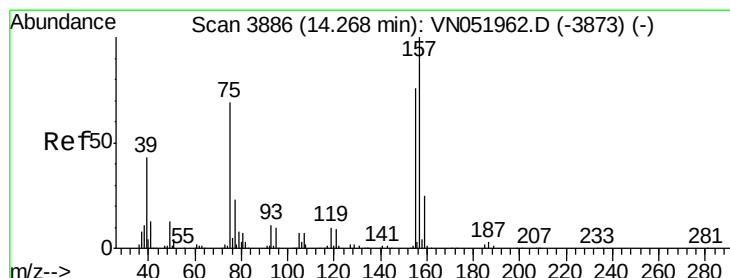
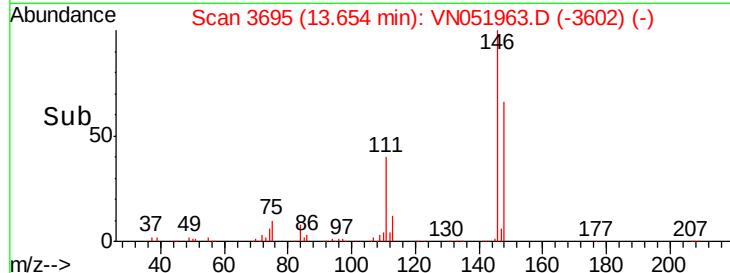
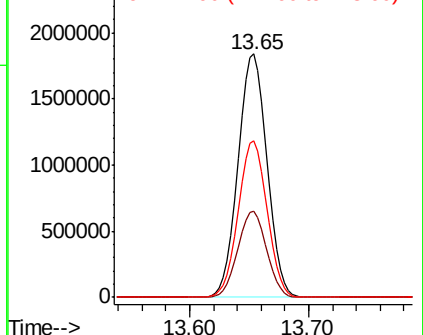
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.3	54.9
148	64.1	32.4	97.0

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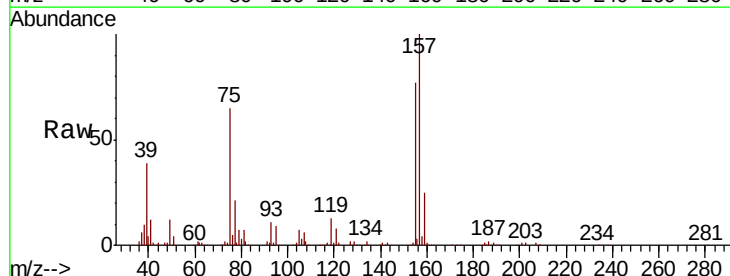


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

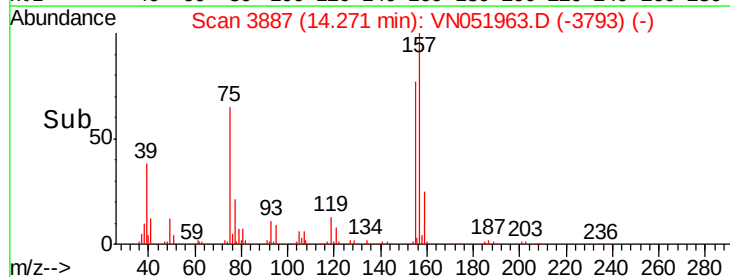
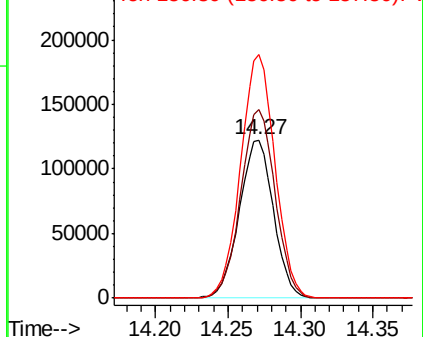


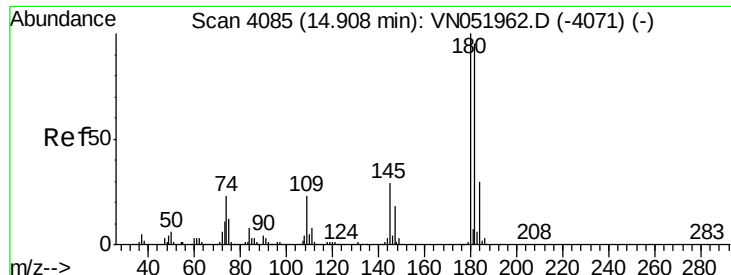
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 99.906 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	120.1	56.0	167.9
157	154.5	73.9	221.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





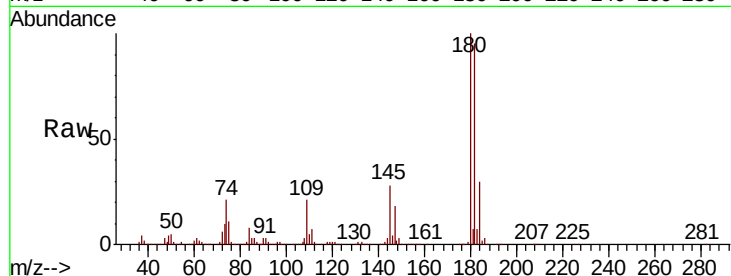
#93
 1,2,4-Trichlorobenzene
 Concen: 103.533 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.4
145	28.8	14.5	43.5

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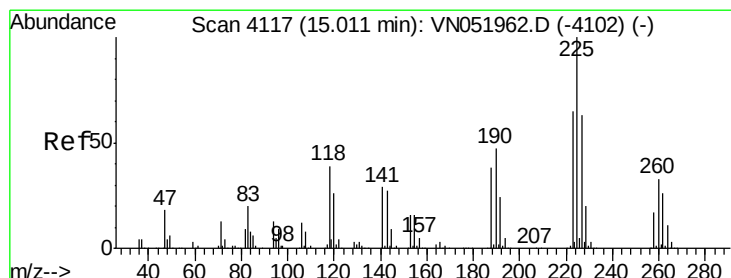
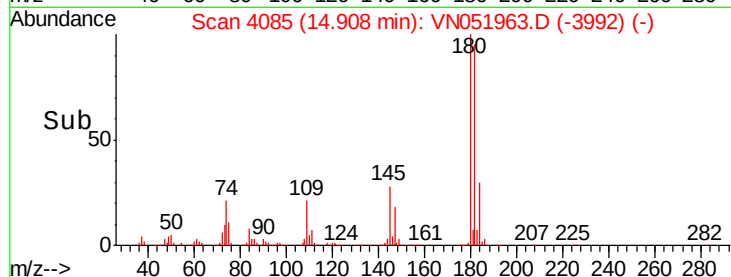
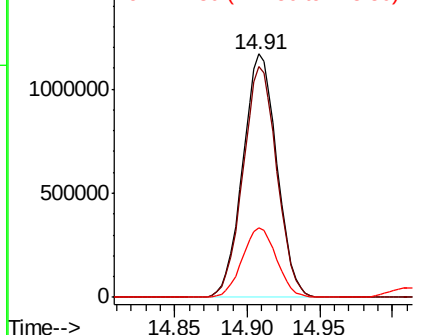


Abundance

Ion 179.80 (179.50 to 180.50): V

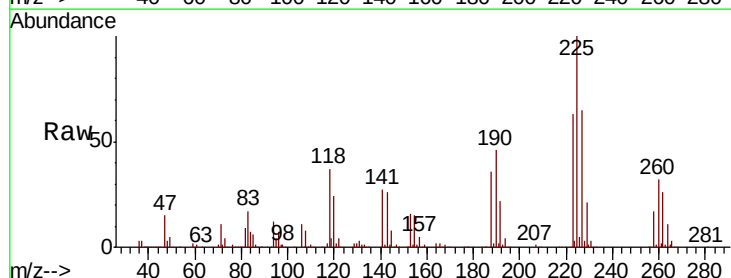
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 97.490 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051963.D
 Acq: 23 Oct 2018 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.4
227	64.0	31.4	94.2

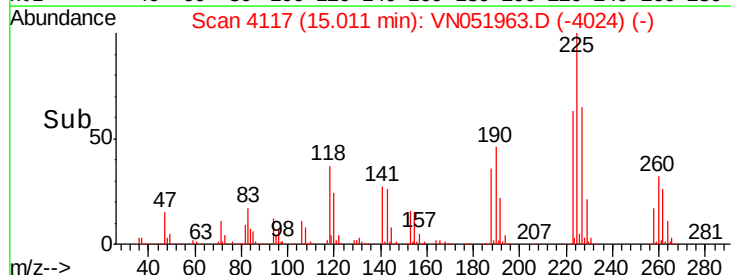
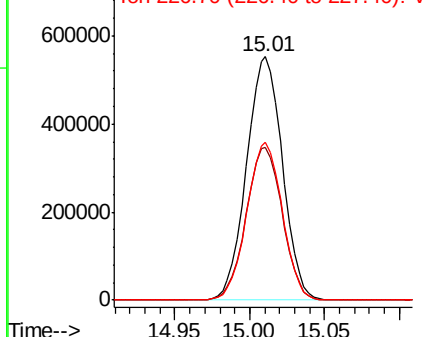


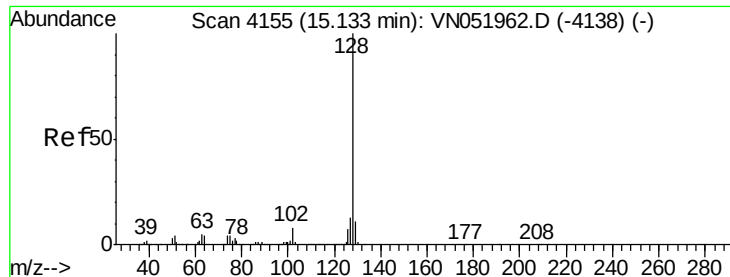
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 108.644 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 4350774

Ion Ratio Lower Upper

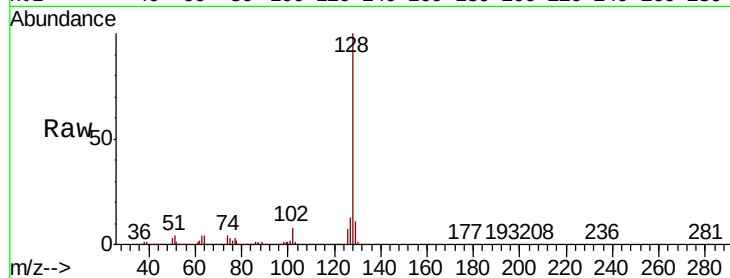
128 100

127 12.7 10.3 15.5

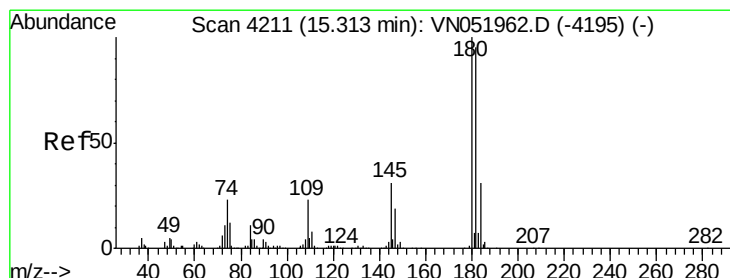
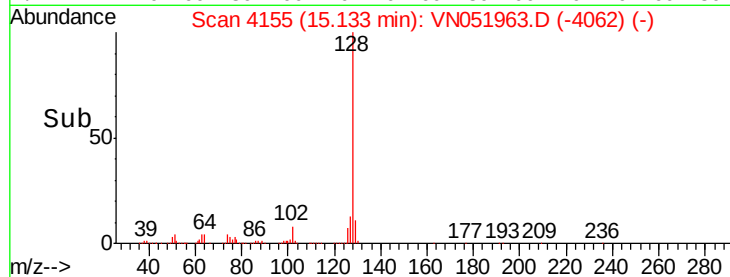
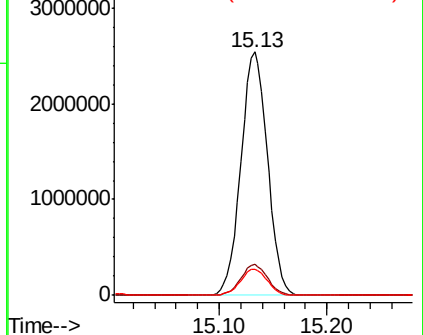
129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:27 AM



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: 102.233 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051963.D

Acq: 23 Oct 2018 14:27

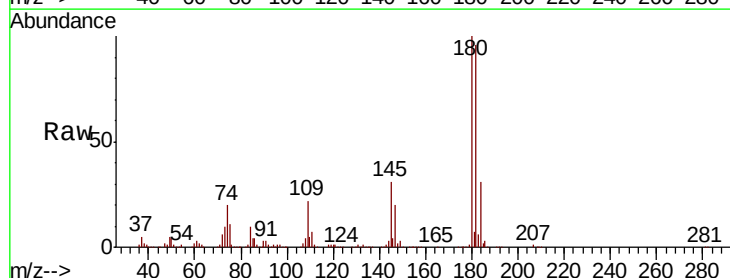
Tgt Ion:180 Resp: 1801898

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.6

145 30.7 15.4 46.2



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

