

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052228.D
 Acq On : 9 Nov 2018 15:26
 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
 11/12/2018 9:18:46 AM

Quant Time: Nov 12 00:12:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	289754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	492952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	391908	98.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.78%	
35) Dibromofluoromethane	7.59	113	323902	101.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.88%	
50) Toluene-d8	10.09	98	1265668	101.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.54%	
62) 4-Bromofluorobenzene	12.40	95	426391	105.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	320689	101.803	ug/l	97
3) Chloromethane	2.06	50	434301	98.749	ug/l	99
4) Vinyl Chloride	2.19	62	361453	98.642	ug/l	100
5) Bromomethane	2.56	94	215958	92.890	ug/l	96
6) Chloroethane	2.71	64	206000	94.670	ug/l	98
7) Trichlorofluoromethane	3.02	101	487055	95.485	ug/l	99
8) Diethyl Ether	3.41	74	195442	97.395	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	306066	93.169	ug/l	98
10) Methyl Iodide	3.96	142	453489	106.800	ug/l	100
11) Tert butyl alcohol	4.78	59	100783	509.267	ug/l	100
12) 1,1-Dichloroethene	3.74	96	293000	96.724	ug/l	100
13) Acrolein	3.61	56	178493	652.248	ug/l	95
14) Allyl chloride	4.33	41	612879	96.637	ug/l	97
15) Acrylonitrile	4.99	53	652383	522.558	ug/l	99
16) Acetone	3.82	43	506996	417.040	ug/l	100
17) Carbon Disulfide	4.06	76	903004	102.762	ug/l	99
18) Methyl Acetate	4.32	43	319541	102.290	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	881262	101.827	ug/l	100
20) Methylene Chloride	4.55	84	340459	101.452	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	318003	96.592	ug/l	97
22) Diisopropyl ether	5.95	45	1250555	97.882	ug/l	99
23) Vinyl Acetate	5.90	43	4562833	523.031	ug/l	99
24) 1,1-Dichloroethane	5.85	63	640997	95.457	ug/l	100
25) 2-Butanone	6.83	43	819291	484.663	ug/l	98
26) 2,2-Dichloropropane	6.83	77	480707	98.012	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	363447	98.622	ug/l	99
28) Bromochloromethane	7.20	49	331295	99.844	ug/l	100
29) Tetrahydrofuran	7.21	42	545195	501.793	ug/l	99
30) Chloroform	7.37	83	612564	96.388	ug/l	100
31) Cyclohexane	7.66	56	613917	78.768	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	522869	100.939	ug/l	99
36) 1,1-Dichloropropene	7.80	75	484856	97.447	ug/l	98
37) Ethyl Acetate	6.93	43	376655	102.598	ug/l	99
38) Carbon Tetrachloride	7.78	117	460222	102.067	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	578518	101.938	ug/l	99
40) Benzene	8.04	78	1400689	98.323	ug/l	100
41) Methacrylonitrile	7.18	41	208490	107.655	ug/l	97
42) 1,2-Dichloroethane	8.13	62	483208	96.675	ug/l	100
43) Isopropyl Acetate	8.17	43	676680	103.737	ug/l #	89
44) Trichloroethene	8.84	130	348002	97.485	ug/l	98
45) 1,2-Dichloropropane	9.12	63	392873	98.717	ug/l	100
46) Dibromomethane	9.21	93	227764	99.634	ug/l	99
47) Bromodichloromethane	9.40	83	476522	100.610	ug/l	99
48) Methyl methacrylate	9.20	41	346975	100.954	ug/l	99
49) 1,4-Dioxane	9.20	88	48862	1768.500	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1859582	516.213	ug/l	99
52) Toluene	10.16	92	858674	99.922	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	514211	110.018	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	576073	104.410	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	306459	98.665	ug/l	99
56) Ethyl methacrylate	10.43	69	445803	106.198	ug/l	99
57) 1,3-Dichloropropane	10.71	76	554279	99.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1237476	532.380	ug/l	99
59) 2-Hexanone	10.75	43	1285201	508.216	ug/l	100
60) Dibromochloromethane	10.90	129	345288	109.596	ug/l	98
61) 1,2-Dibromoethane	11.01	107	311423	102.019	ug/l	99
64) Tetrachloroethene	10.63	164	302982	96.583	ug/l	98
65) Chlorobenzene	11.43	112	935651	98.554	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	328600	102.179	ug/l	98
67) Ethyl Benzene	11.51	91	1679308	100.563	ug/l	99
68) m/p-Xylenes	11.62	106	1251714	201.274	ug/l	99
69) o-Xylene	11.95	106	603450	101.565	ug/l	99
70) Styrene	11.96	104	988689	102.997	ug/l	99
71) Bromoform	12.13	173	214195	111.646	ug/l #	100
73) Isopropylbenzene	12.25	105	1633411	95.050	ug/l	100
74) N-amyl acetate	12.07	43	644296	103.273	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	391150	92.846	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	356360m	105.664	ug/l	
77) Bromobenzene	12.53	156	376301	93.548	ug/l	97
78) n-propylbenzene	12.59	91	1945091	96.641	ug/l	99
79) 2-Chlorotoluene	12.67	91	1103193	94.614	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1312344	96.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	123263	113.125	ug/l	99
82) 4-Chlorotoluene	12.77	91	1136955	97.181	ug/l	99
83) tert-Butylbenzene	12.99	119	1131013	94.792	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1336845	97.016	ug/l	99
85) sec-Butylbenzene	13.17	105	1589446	97.141	ug/l	100
86) p-Isopropyltoluene	13.29	119	1354028	98.916	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	669947	95.671	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	672637	95.949	ug/l	100
89) n-Butylbenzene	13.61	91	1246910	102.298	ug/l	99
90) Hexachloroethane	13.87	117	246297	102.512	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	649289	95.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59256	98.936	ug/l	98

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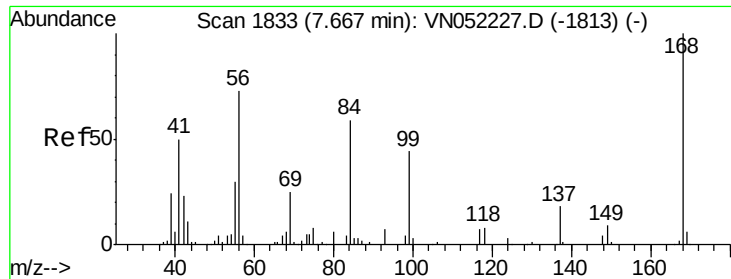
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	303508	112.312	ug/l	99
94) Hexachlorobutadiene	15.01	225	143927	98.014	ug/l	99
95) Naphthalene	15.13	128	748495	112.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	270822	105.998	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: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 289754

Ion Ratio Lower Upper

168 100

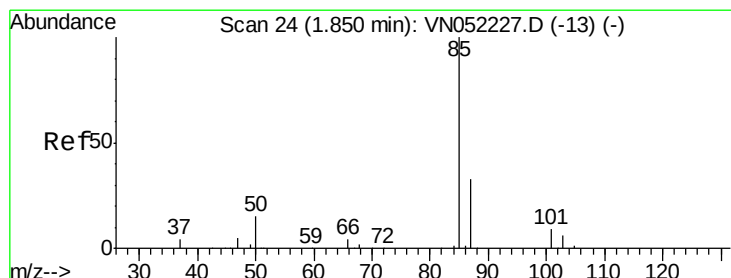
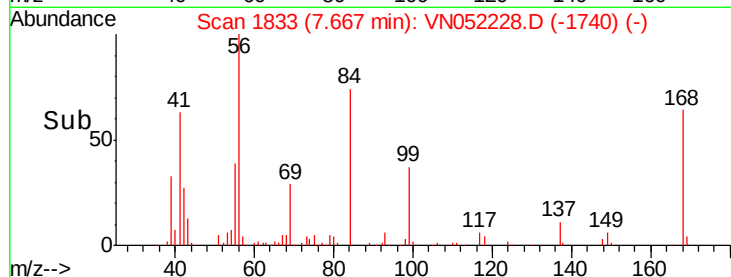
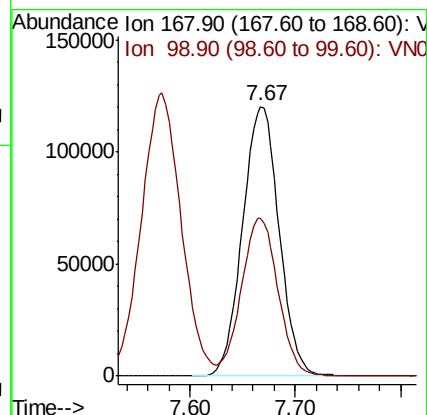
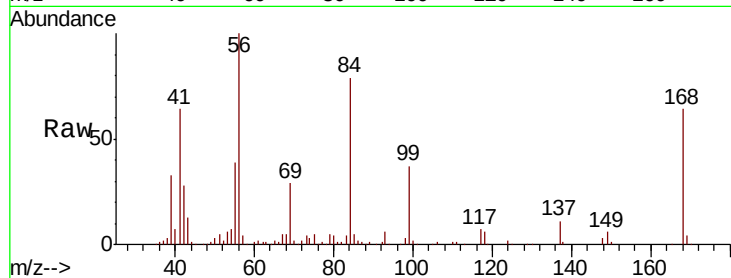
99 58.2 44.7 67.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 101.803 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052228.D

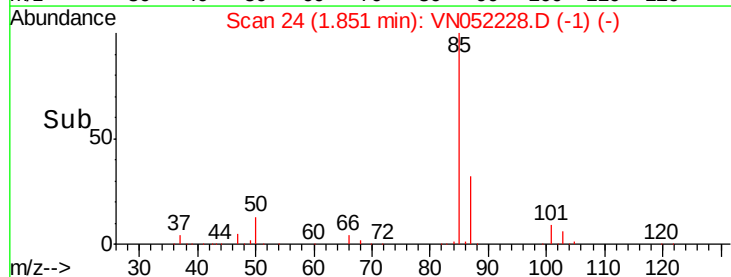
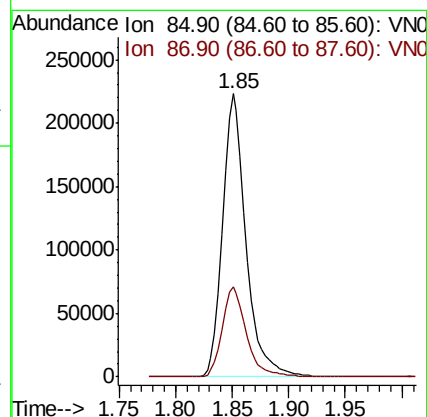
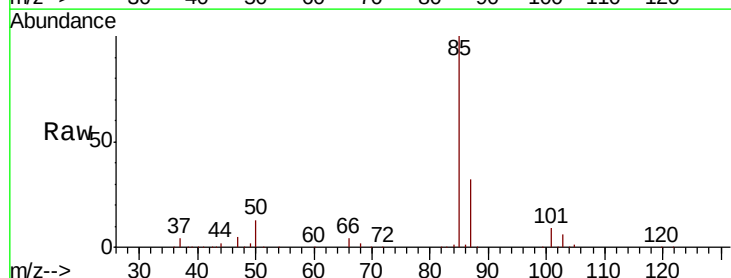
Acq: 9 Nov 2018 15:26

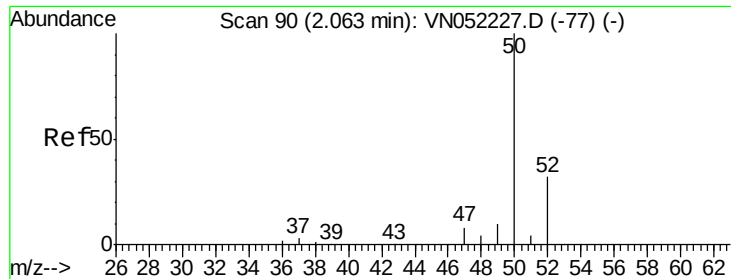
Tgt Ion: 85 Resp: 320689

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.0





#3

Chloromethane

Concen: 98.749 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 434301

Ion Ratio Lower Upper

50 100

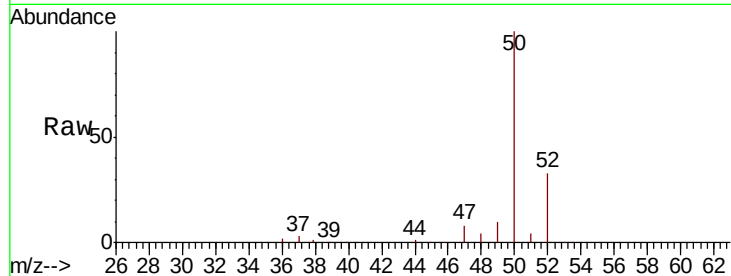
52 32.9 25.7 38.5

Manual Integrations

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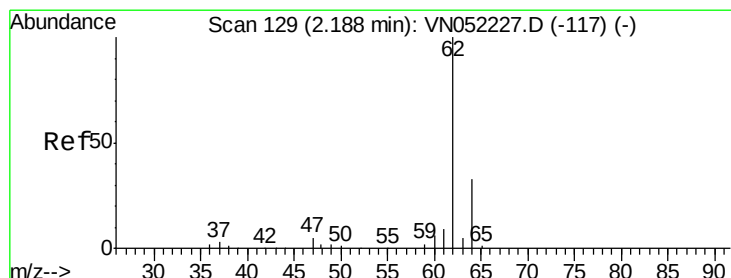
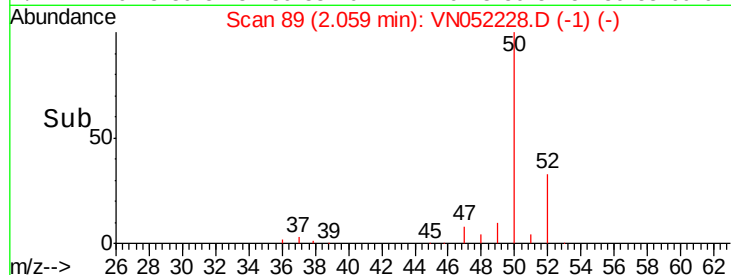
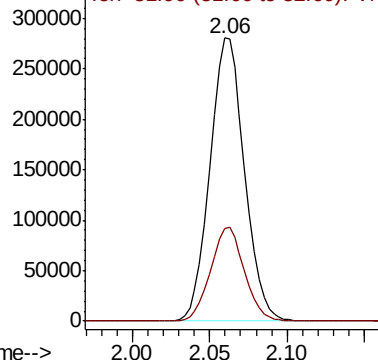
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 98.642 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052228.D

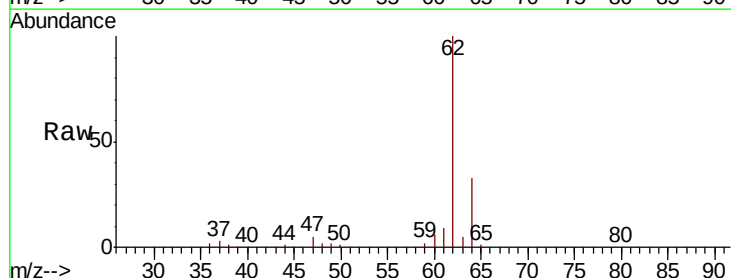
Acq: 9 Nov 2018 15:26

Tgt Ion: 62 Resp: 361453

Ion Ratio Lower Upper

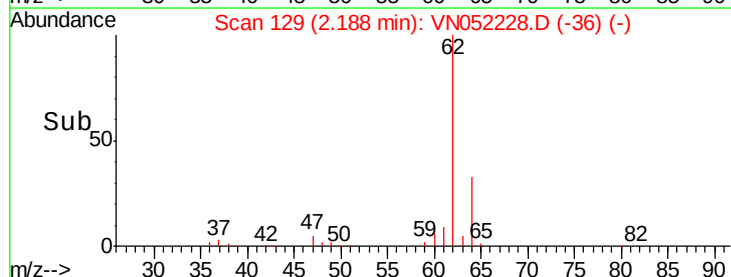
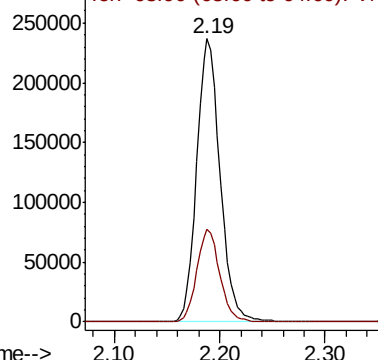
62 100

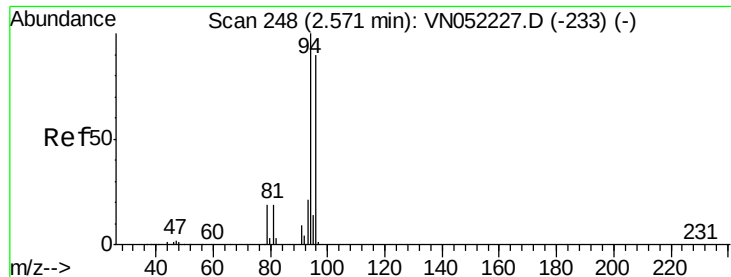
64 32.6 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 92.890 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 215958

Ion Ratio Lower Upper

94 100

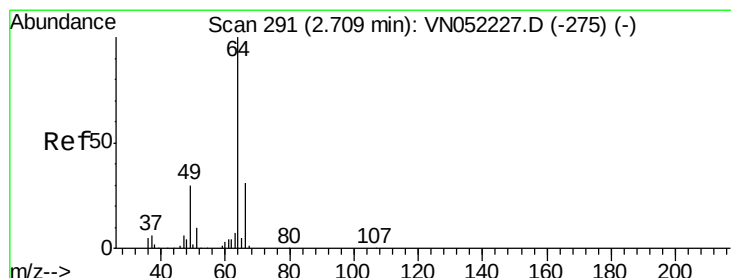
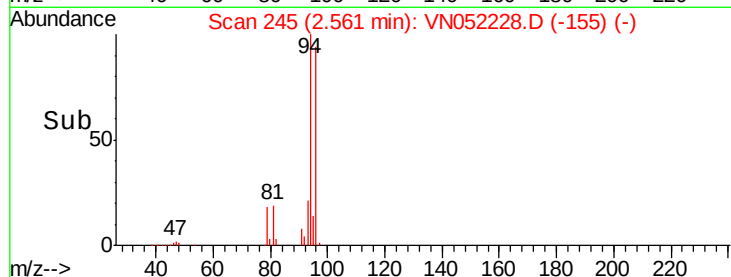
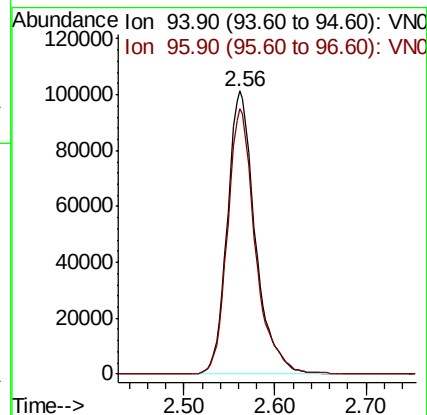
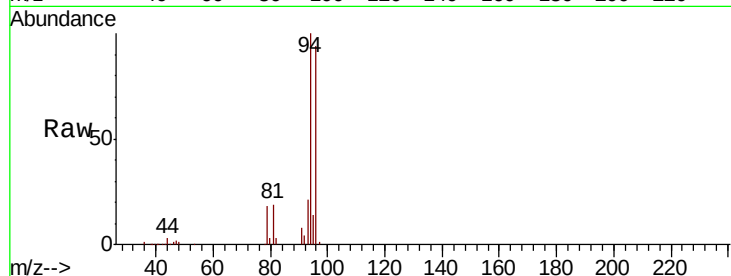
96 93.8 71.8 107.8

Manual Integrations

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#6

Chloroethane

Concen: 94.670 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052228.D

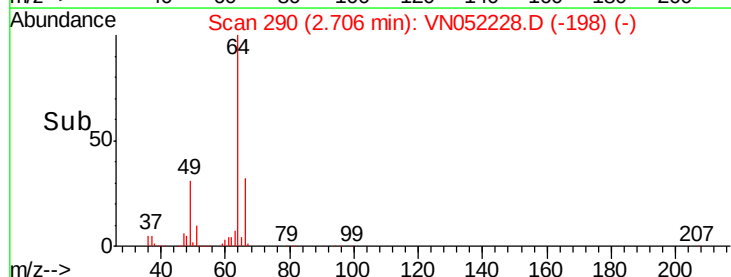
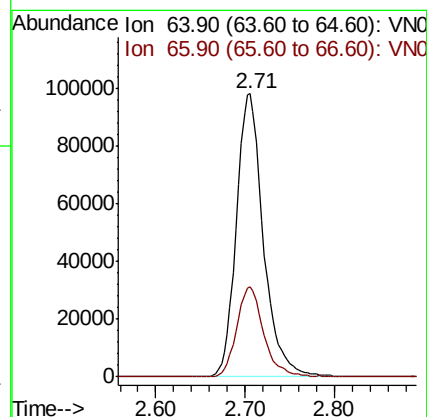
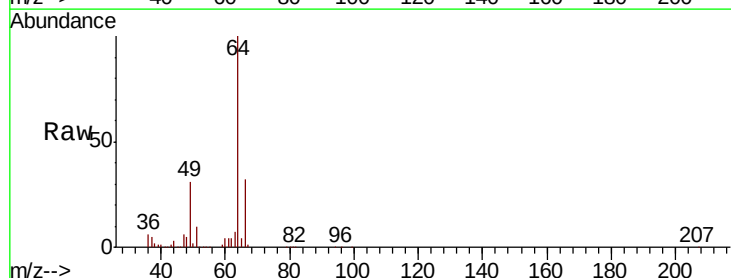
Acq: 9 Nov 2018 15:26

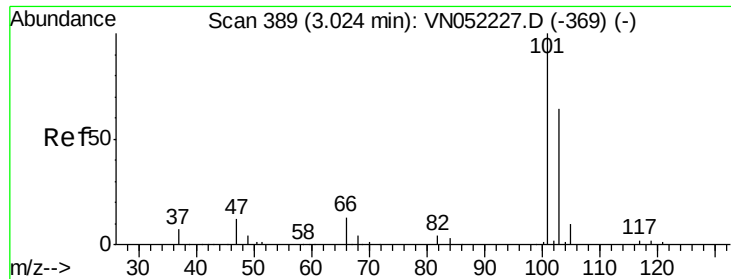
Tgt Ion: 64 Resp: 206000

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8





#7

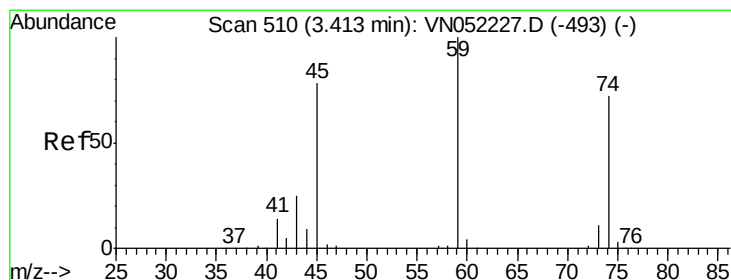
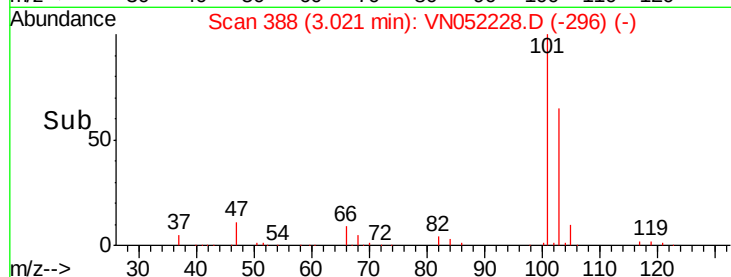
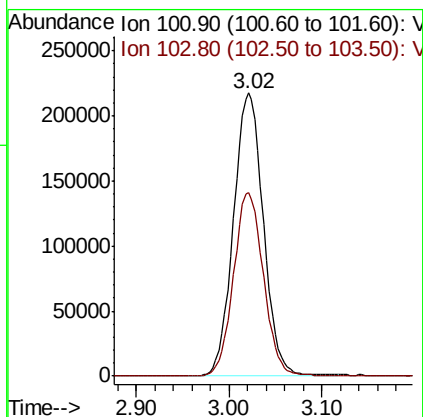
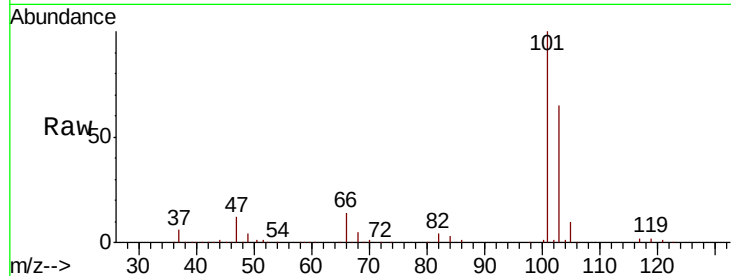
Trichlorofluoromethane
Concen: 95.485 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
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VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		487055		
103	64.8	51.2	76.8		

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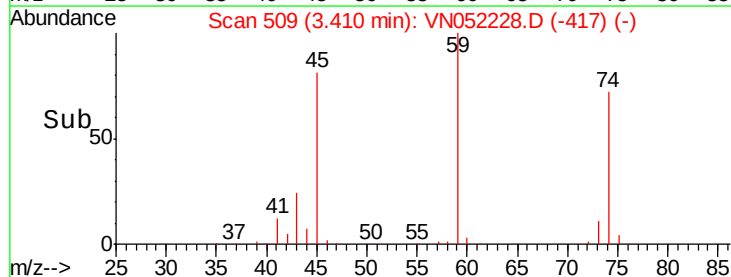
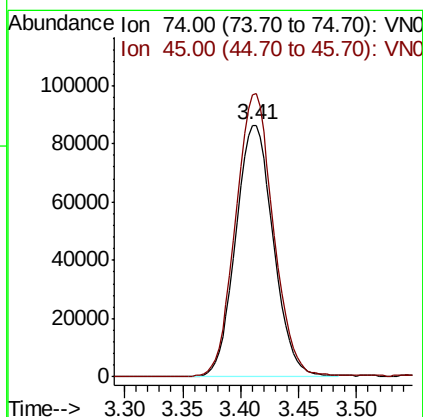
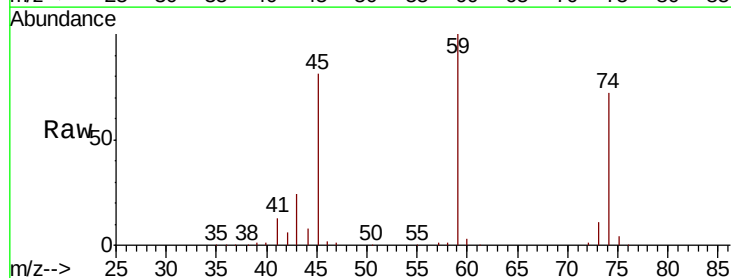
MMDadoda
11/12/2018 9:18:46 AM

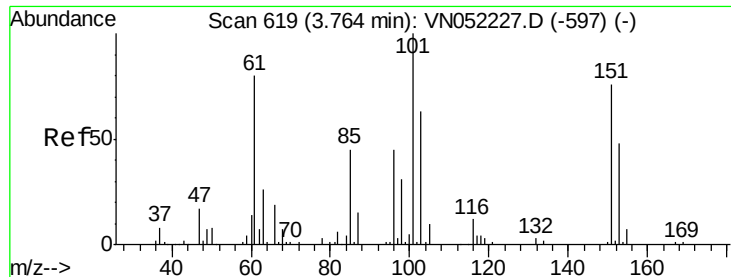


#8

Diethyl Ether
Concen: 97.395 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		195442		
45	112.8	55.5	166.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.169 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

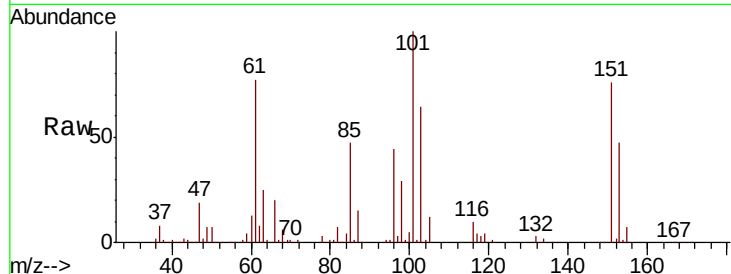
ClientSampleId :

VSTDIC100

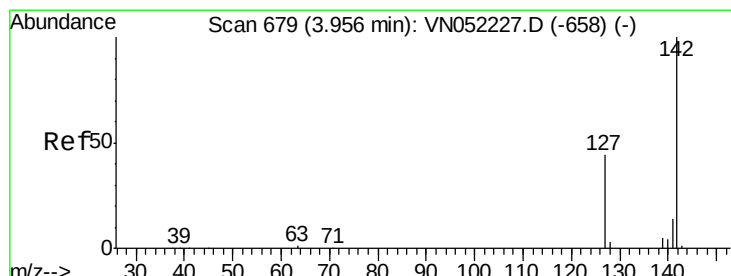
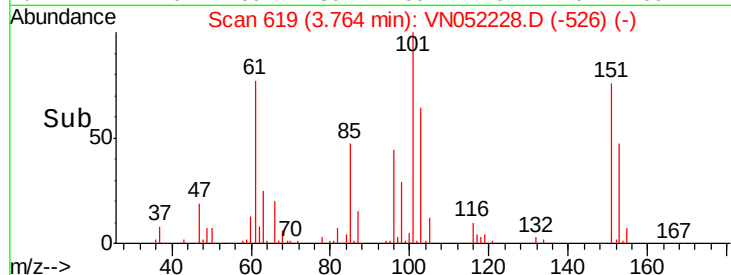
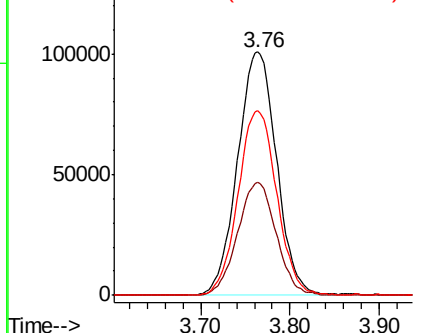
Tot Ion:	101	Resp:	306066
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.4
151	75.5	59.2	88.8

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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: 106.800 ug/l

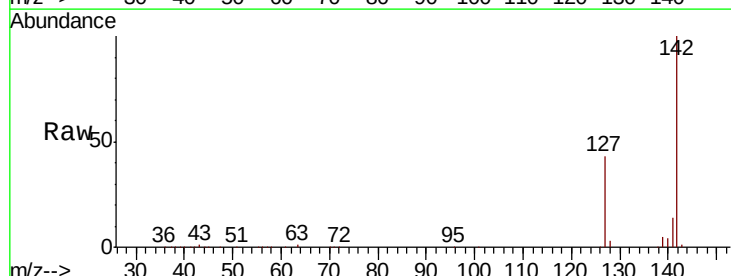
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

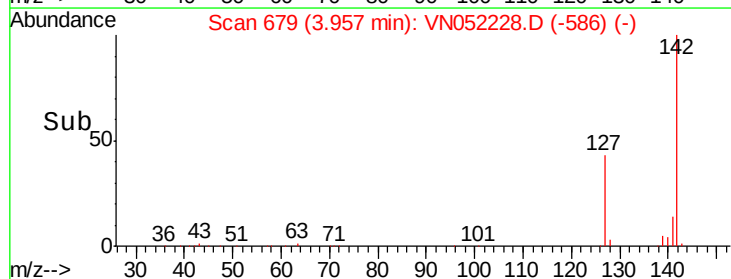
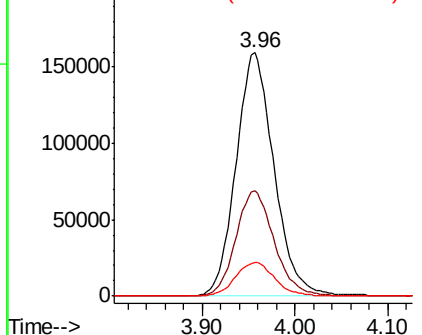
Lab File: VN052228.D

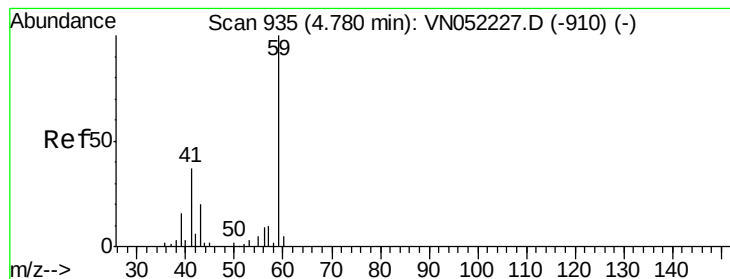
Acq: 9 Nov 2018 15:26

Tgt Ion:	142	Resp:	453489
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	14.5	11.8	17.6



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

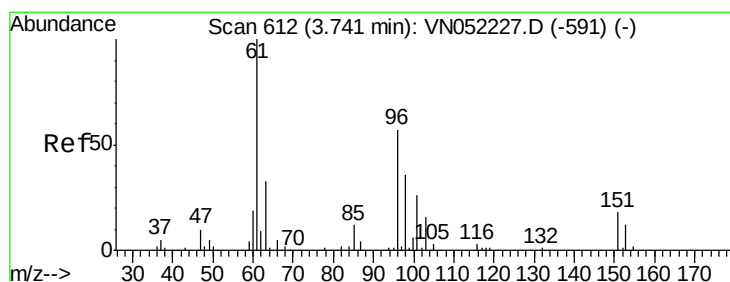
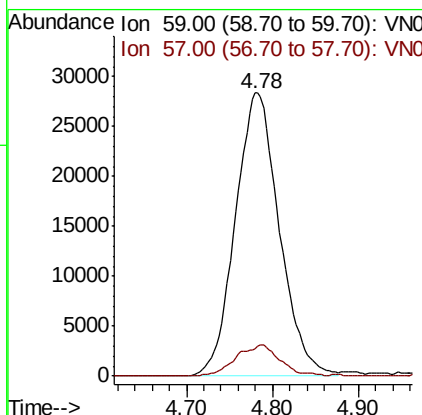
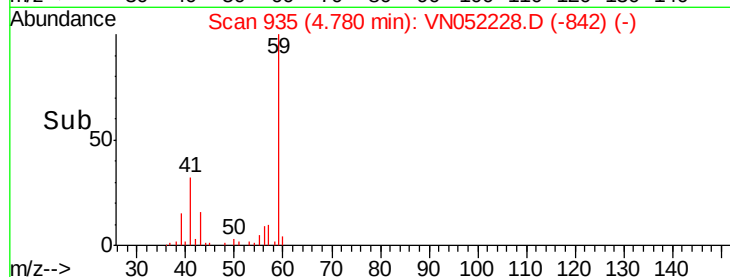
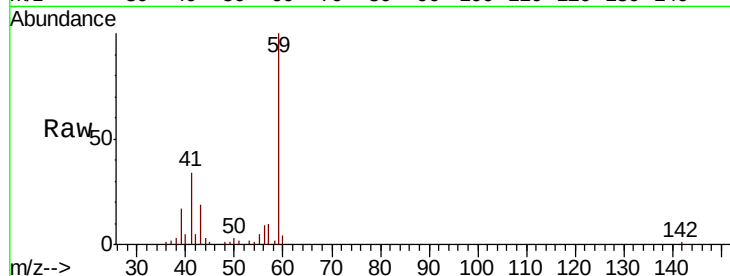
Tert butyl alcohol
Concen: 509.267 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.8	13.2

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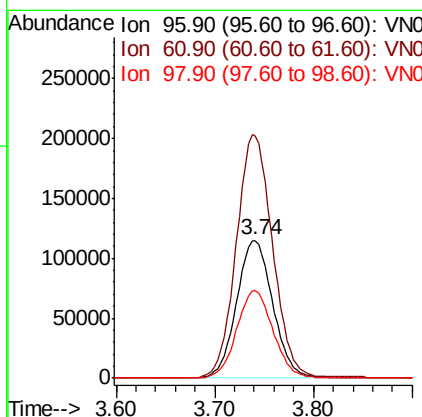
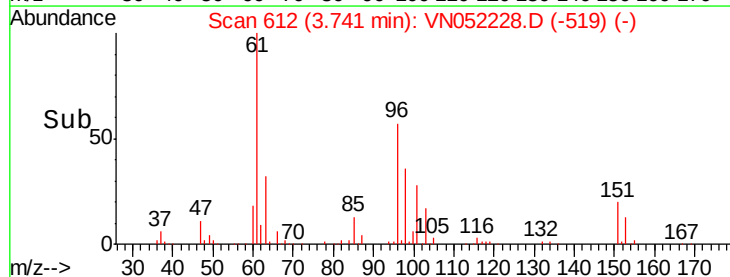
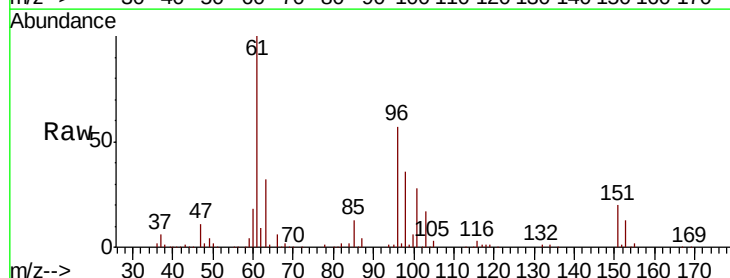
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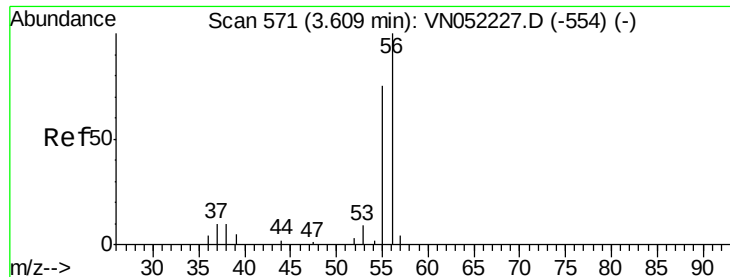


#12

1,1-Dichloroethene
Concen: 96.724 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	141.1	211.7
98	64.1	50.3	75.5





#13

Acrolein

Concen: 652.248 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 178493

Ion Ratio Lower Upper

56 100

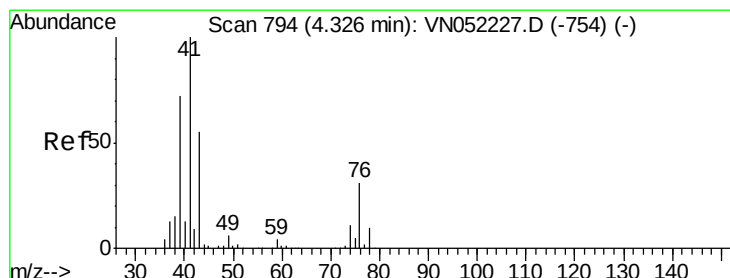
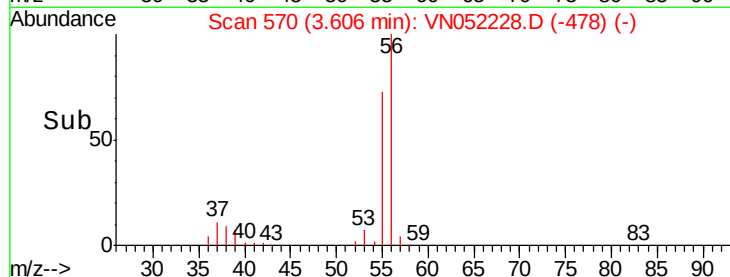
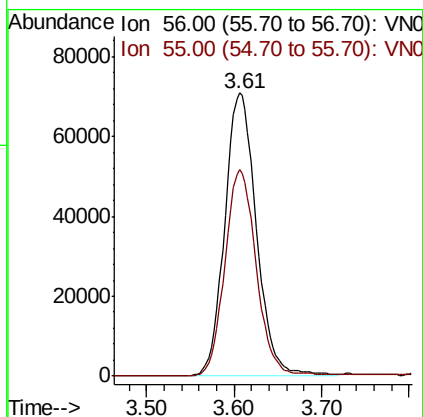
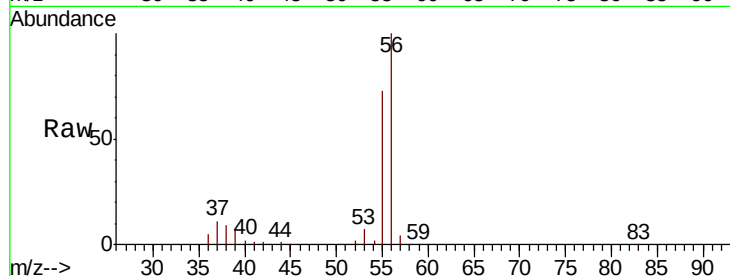
55 70.8 59.9 89.9

Manual Integrations

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#14

Allyl chloride

Concen: 96.637 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

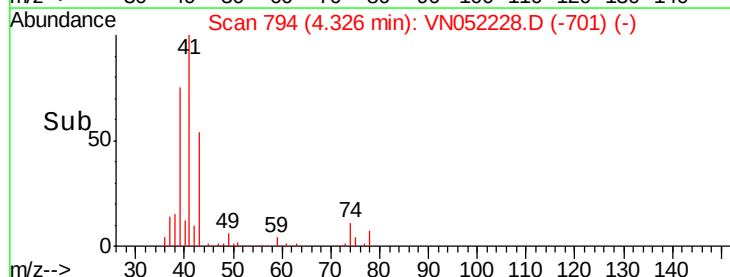
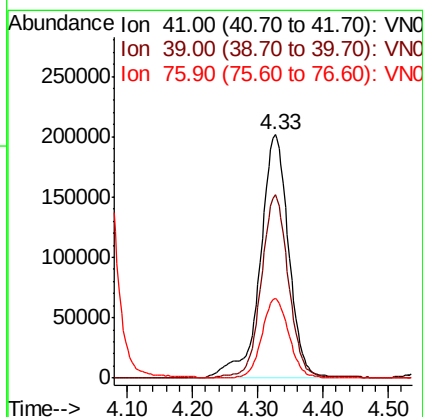
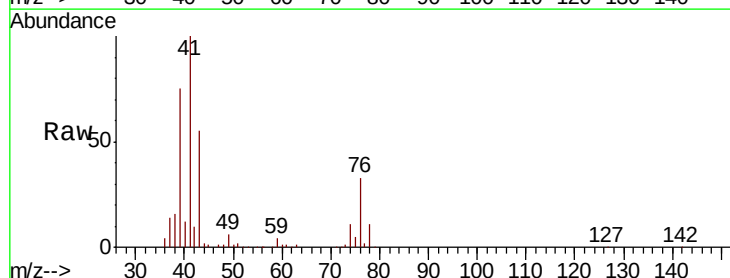
Tgt Ion: 41 Resp: 612879

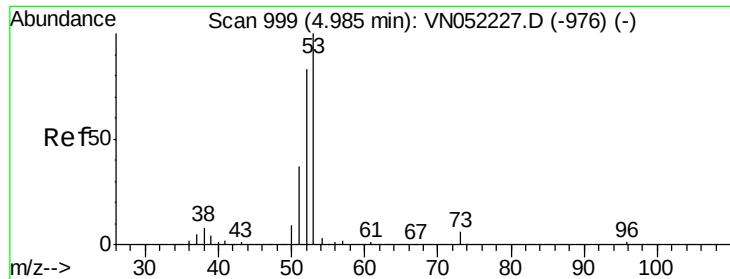
Ion Ratio Lower Upper

41 100

39 71.5 55.1 82.7

76 30.4 23.6 35.4





#15

Acrylonitrile

Concen: 522.558 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

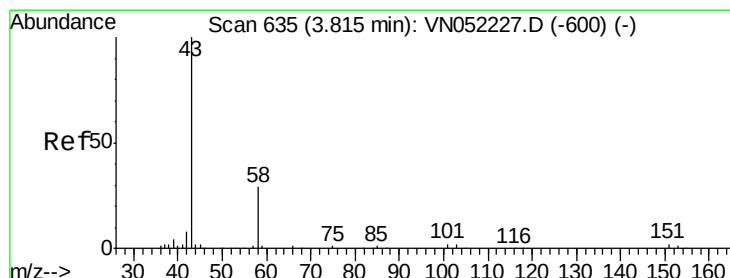
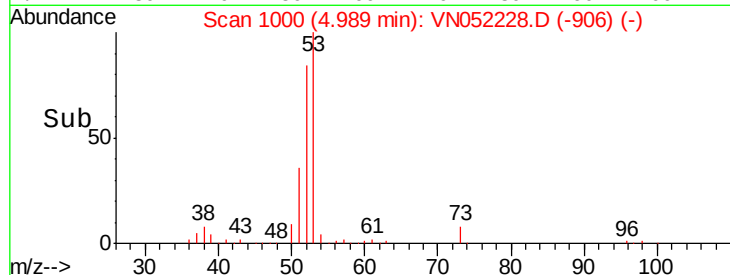
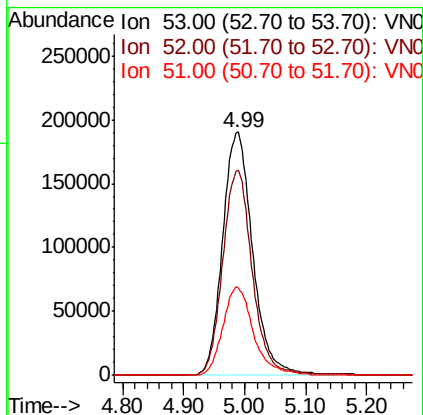
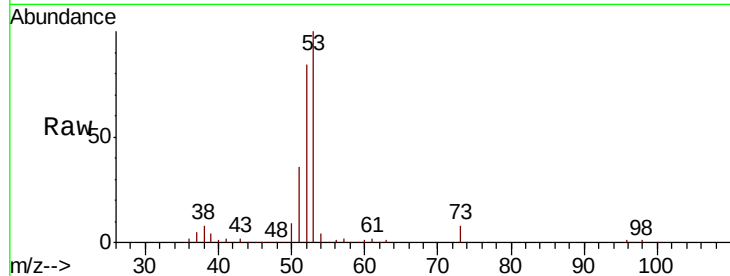
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	652383
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.7	100.1
51	37.2	29.4	44.0

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#16

Acetone

Concen: 417.040 ug/l

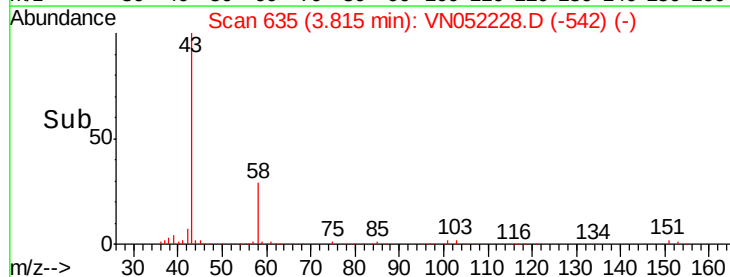
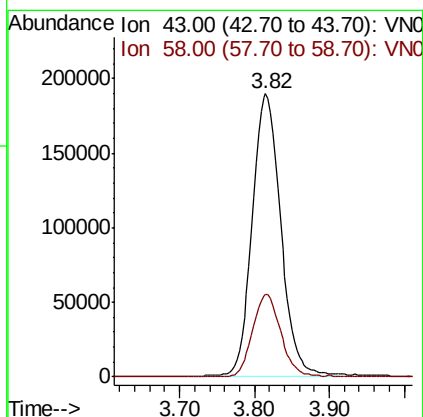
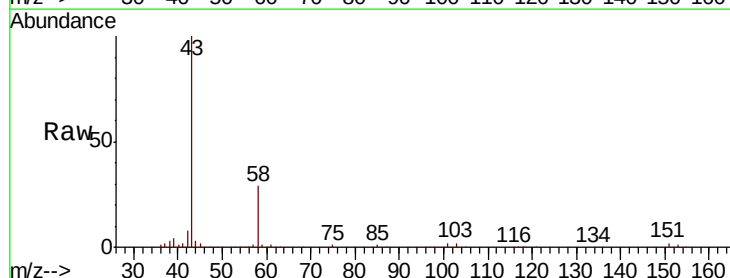
RT: 3.82 min Scan# 635

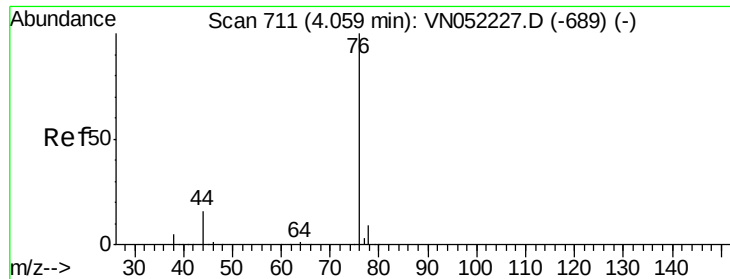
Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Tgt Ion:	43	Resp:	506996
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.0	34.6





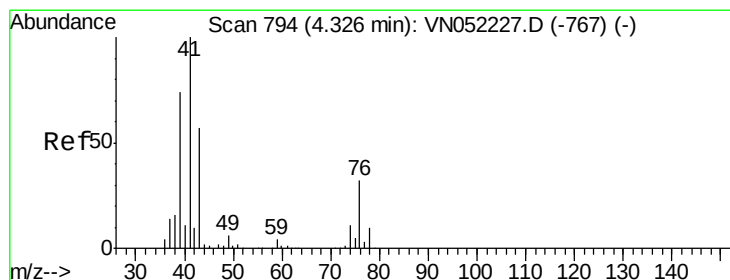
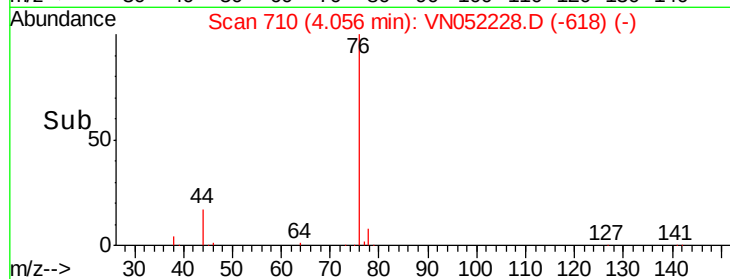
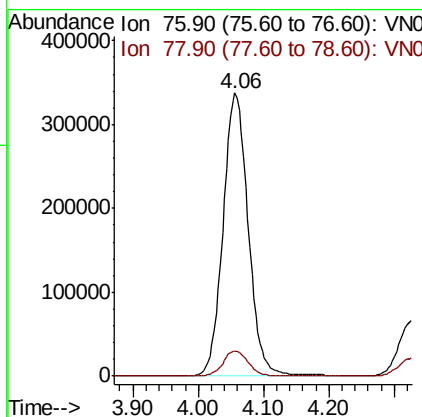
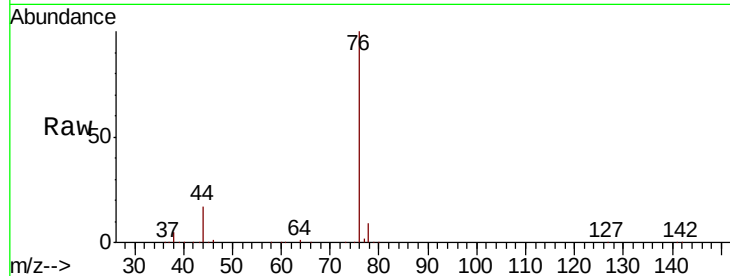
#17
Carbon Disulfide
Concen: 102.762 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

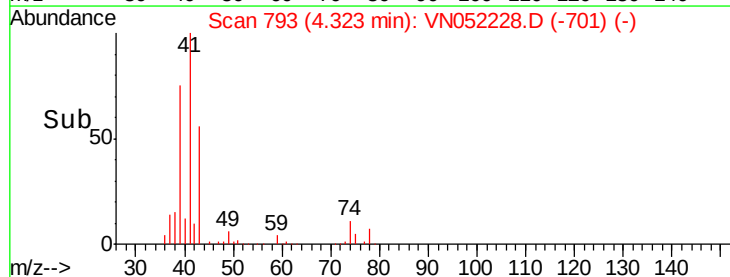
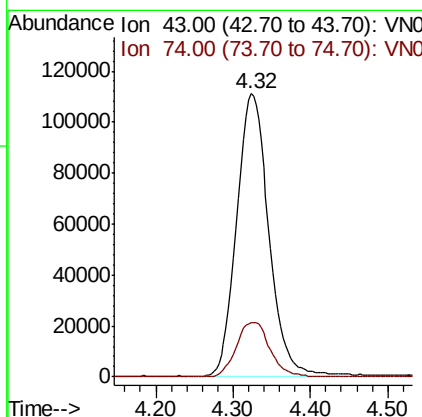
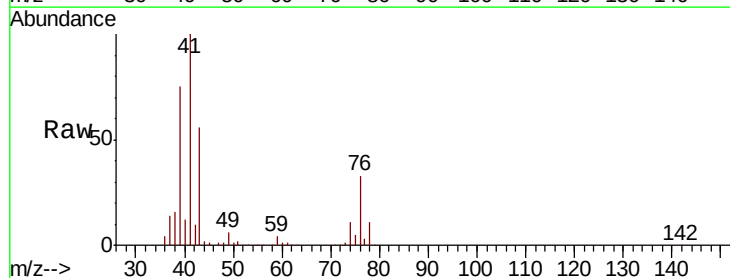
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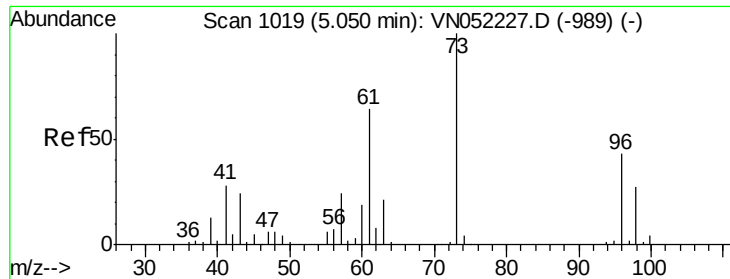
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#18
Methyl Acetate
Concen: 102.290 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.2	24.2





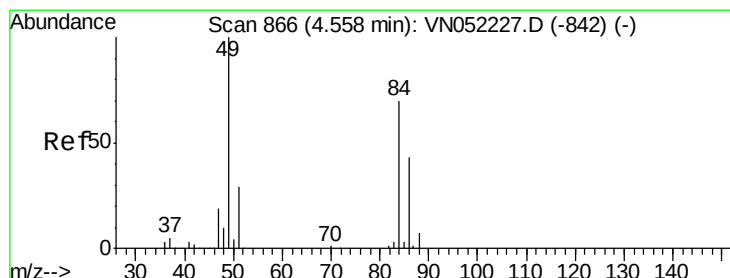
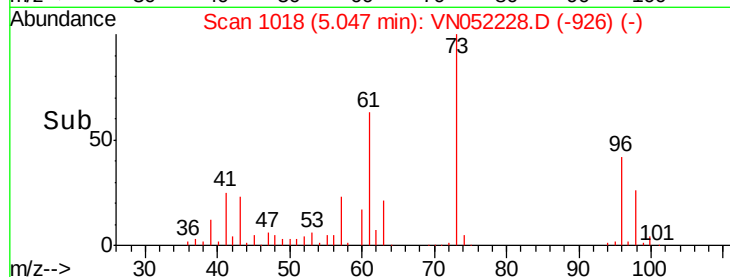
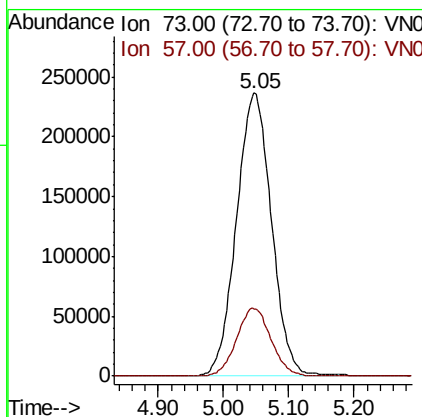
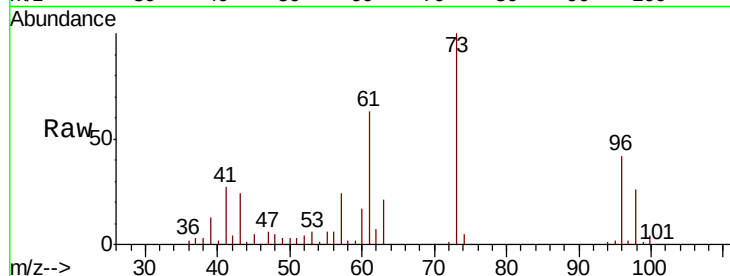
#19
Methyl tert-butyl Ether
Concen: 101.827 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 881262
Ion Ratio Lower Upper
73 100
57 23.9 19.1 28.7

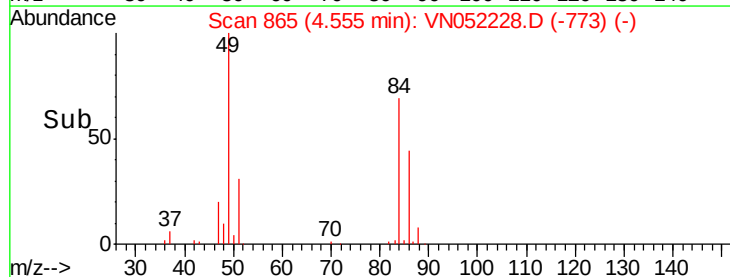
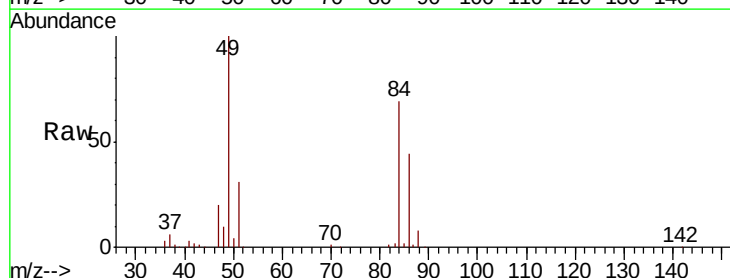
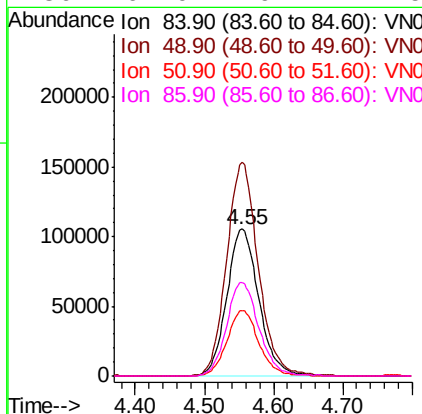
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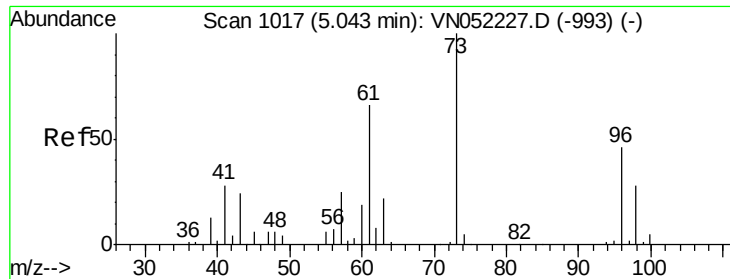
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#20
Methylene Chloride
Concen: 101.452 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion: 84 Resp: 340459
Ion Ratio Lower Upper
84 100
49 145.5 114.8 172.2
51 44.9 33.1 49.7
86 64.0 49.7 74.5





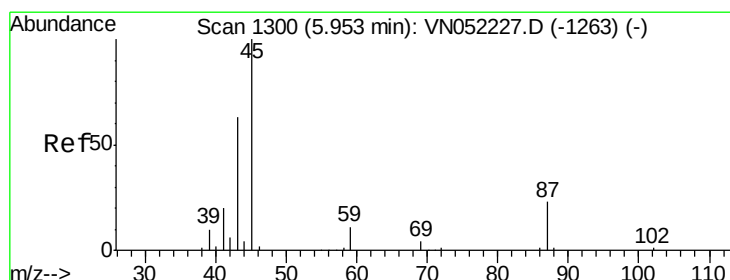
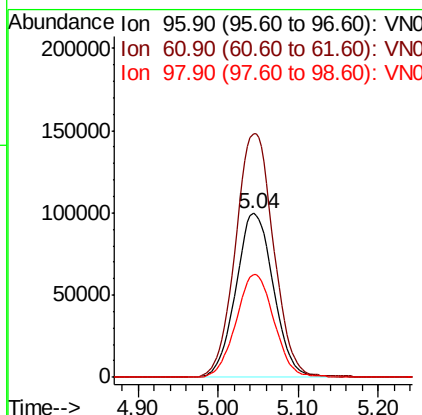
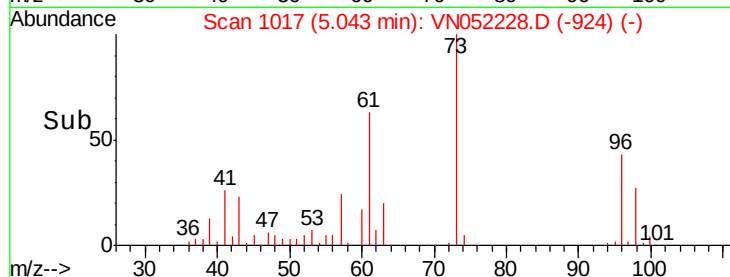
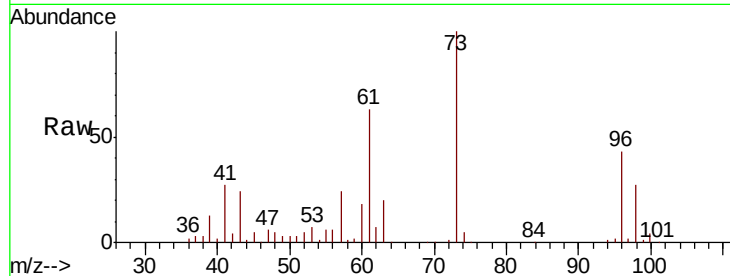
#21
trans-1,2-Dichloroethene
Concen: 96.592 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	115.3	172.9
98	62.5	49.5	74.3

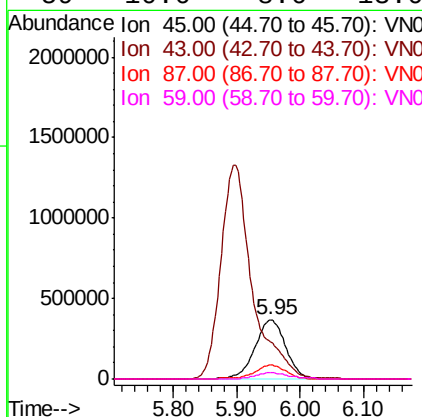
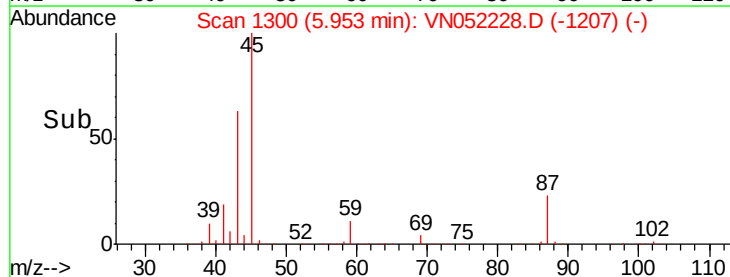
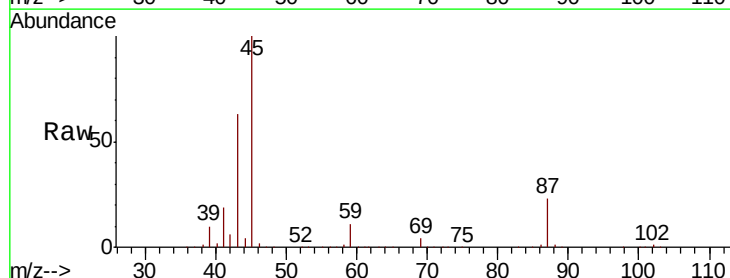
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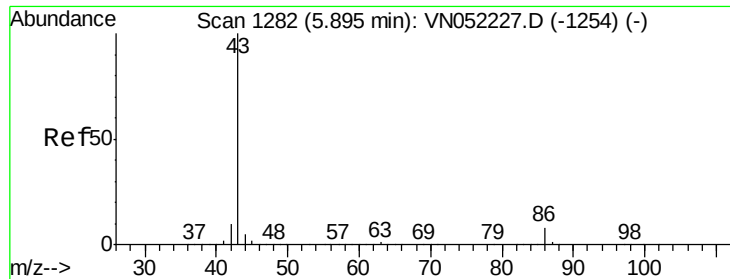
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#22
Diisopropyl ether
Concen: 97.882 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.5	50.6	76.0
87	23.1	19.0	28.4
59	10.6	8.6	13.0





#23

Vinyl Acetate

Concen: 523.031 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 4562833

Ion Ratio Lower Upper

43 100

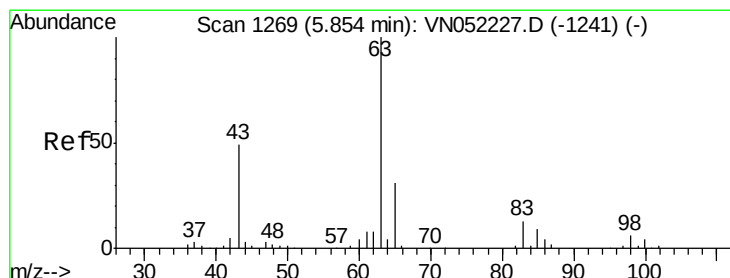
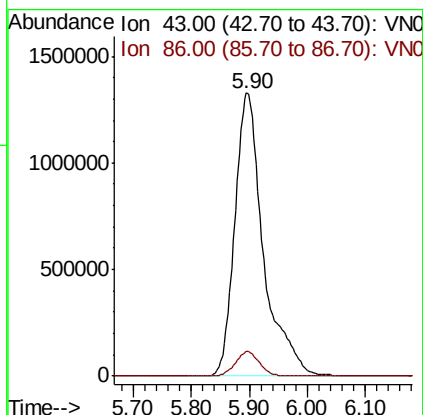
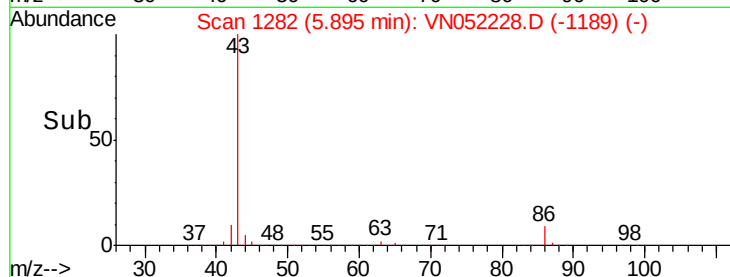
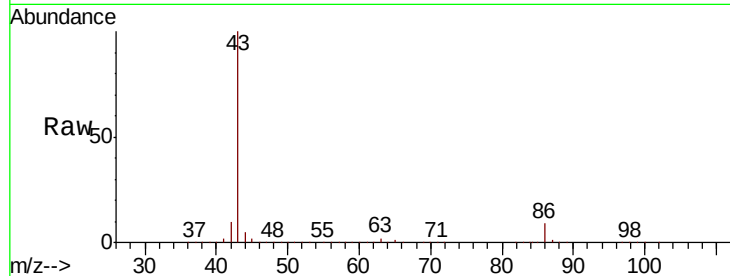
86 8.7 6.7 10.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 95.457 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

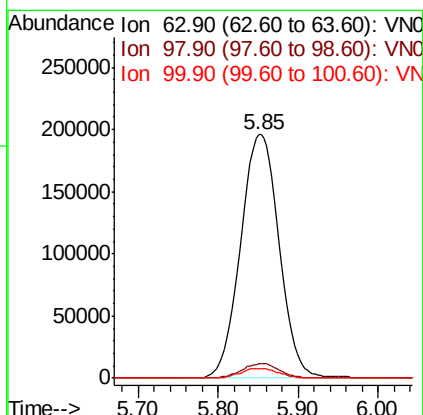
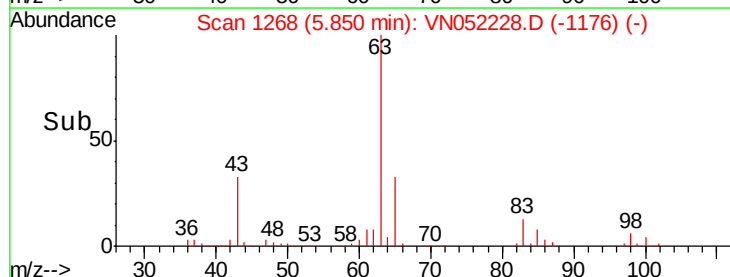
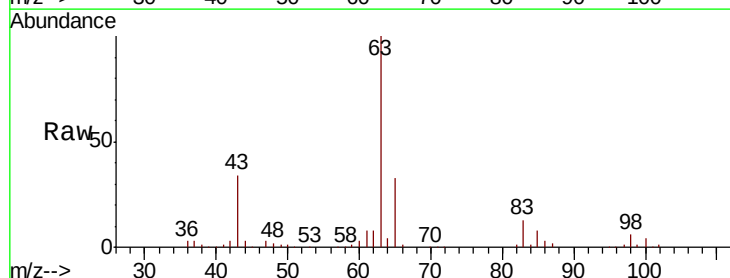
Tgt Ion: 63 Resp: 640997

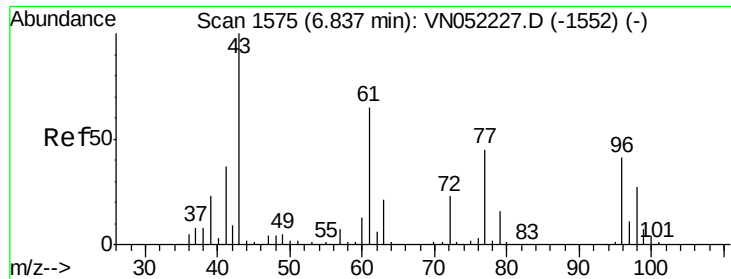
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 4.0 2.1 6.2





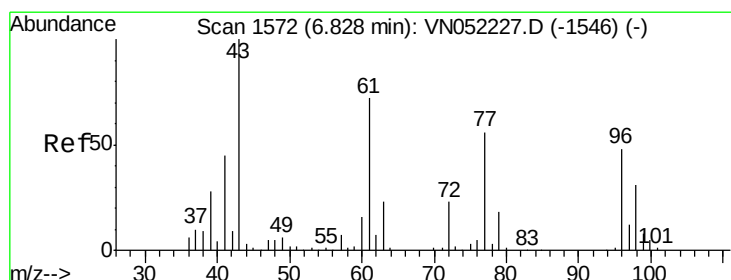
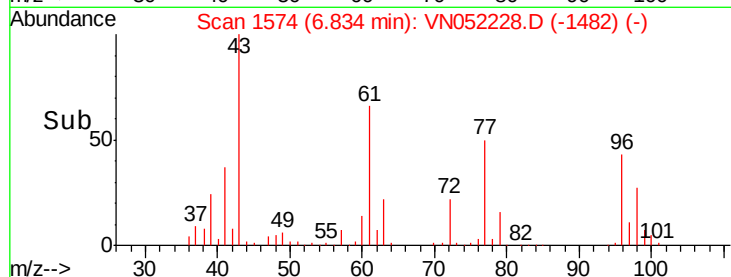
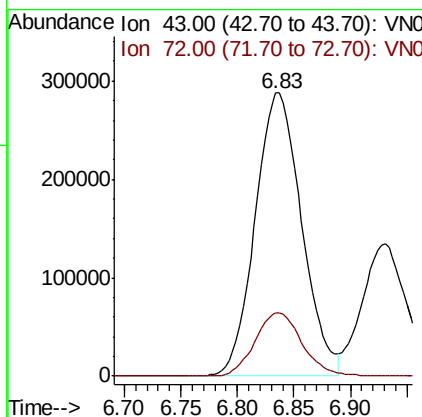
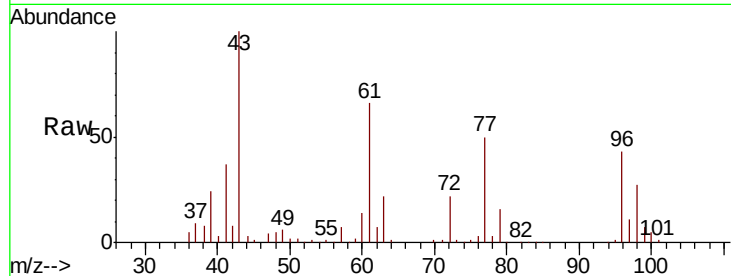
#25
2-Butanone
Concen: 484.663 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 819291
Ion Ratio Lower Upper
43 100
72 22.3 18.6 27.8

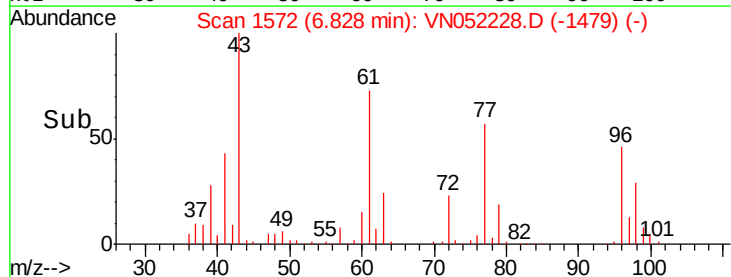
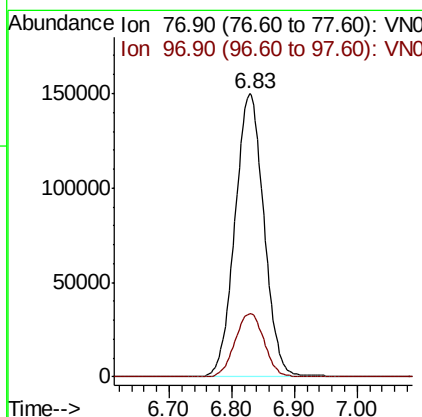
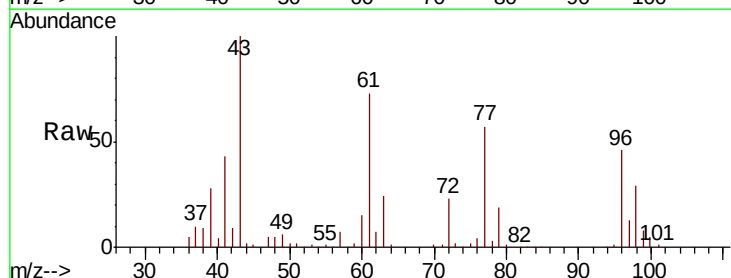
Manual Integrations
APPROVED

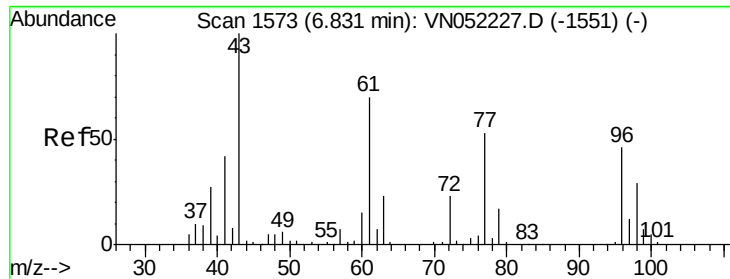
MMDadoda
11/12/2018 9:18:46 AM



#26
2,2-Dichloropropane
Concen: 98.012 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion: 77 Resp: 480707
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.5





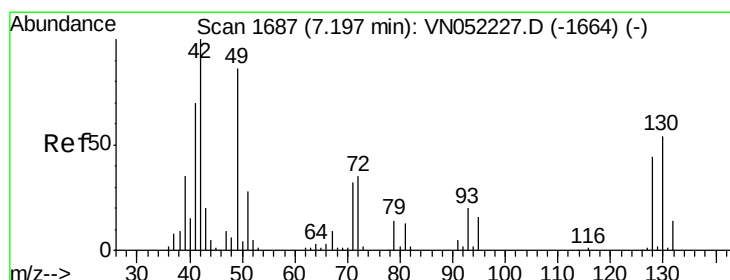
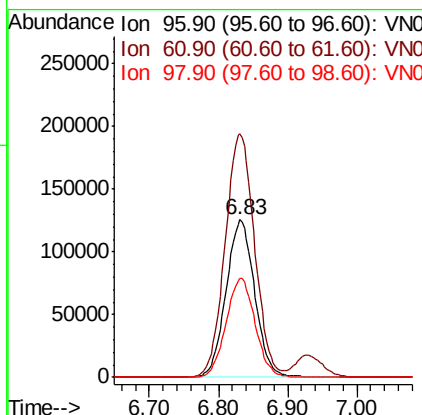
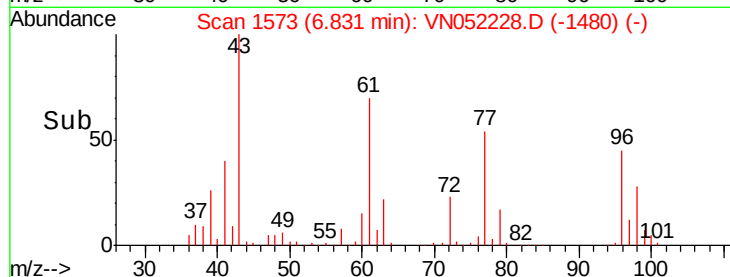
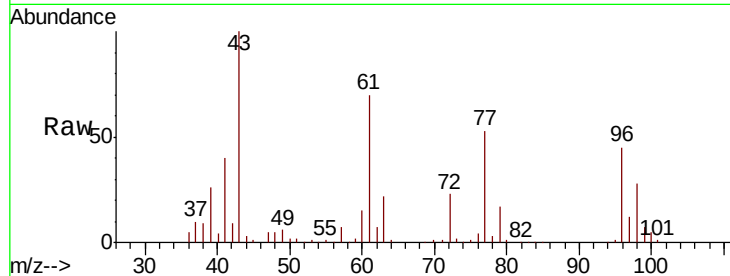
#27
 cis-1,2-Dichloroethene
 Concen: 98.622 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	363447		
61	158.1	0.0	313.4	
98	63.7	0.0	129.8	

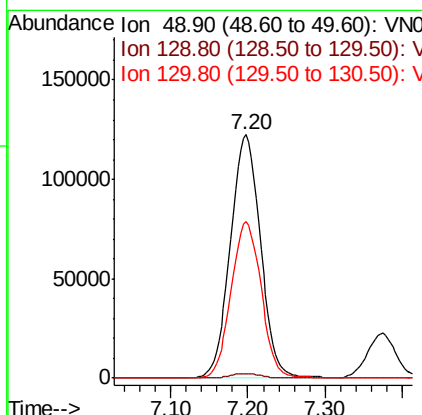
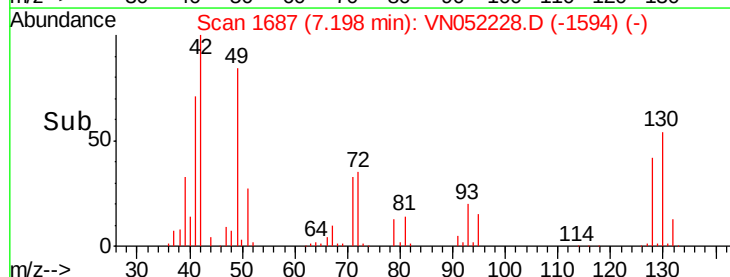
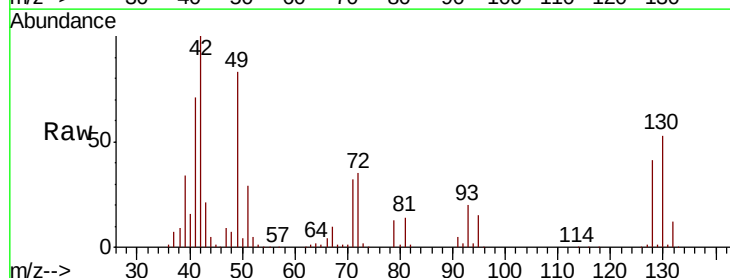
Manual Integrations
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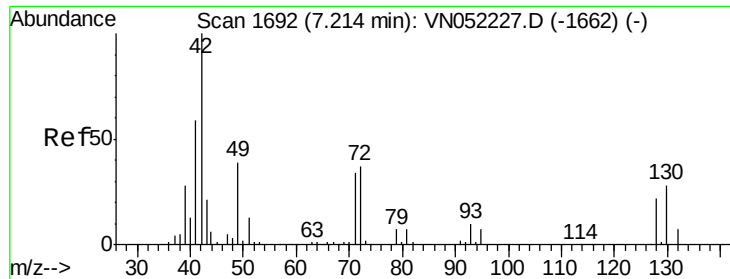
MMDadoda
 11/12/2018 9:18:46 AM



#28
 Bromochloromethane
 Concen: 99.844 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	331295		
129	1.0	0.0	3.8	
130	64.1	51.4	77.2	





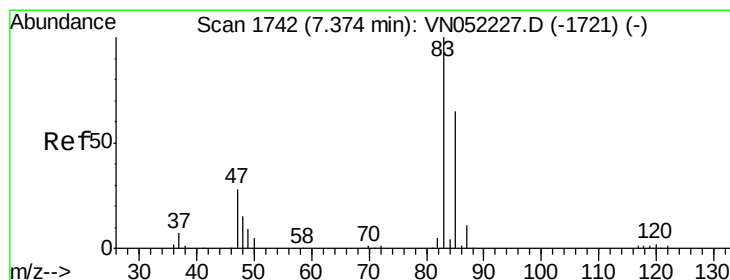
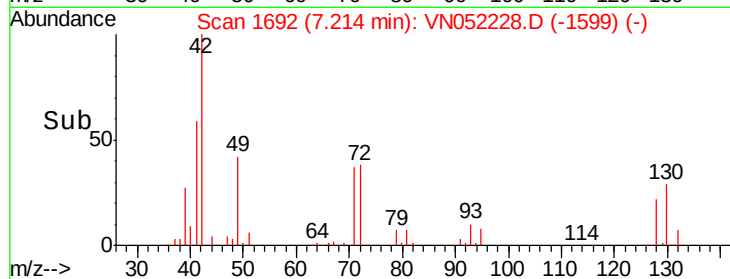
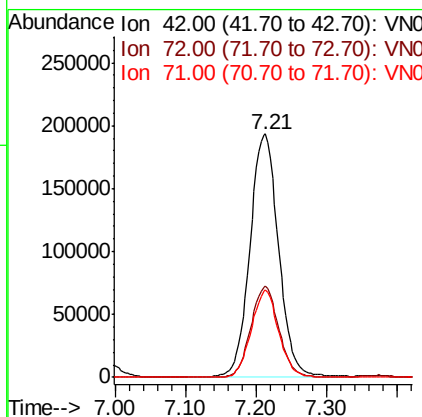
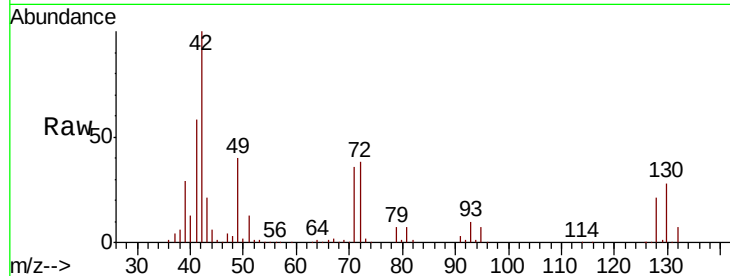
#29
Tetrahydrofuran
Concen: 501.793 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	28.6	43.0
71	34.4	27.1	40.7

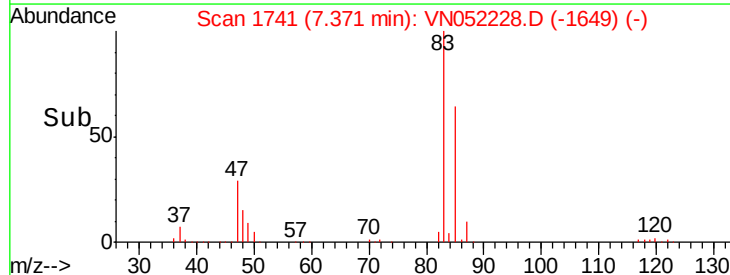
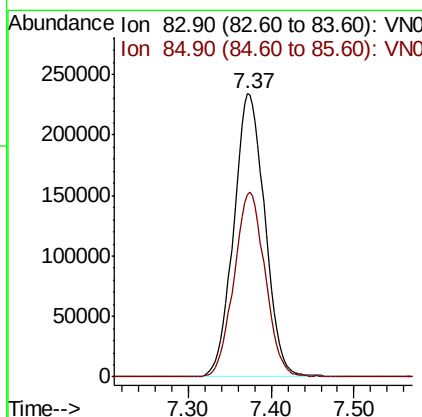
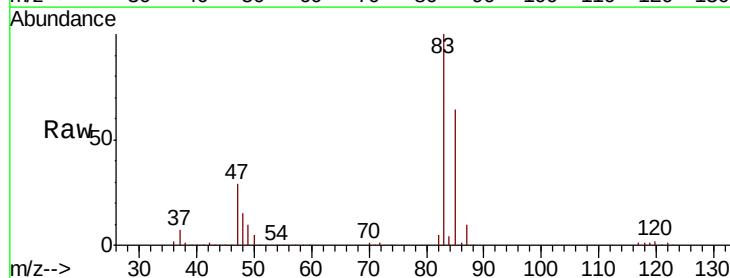
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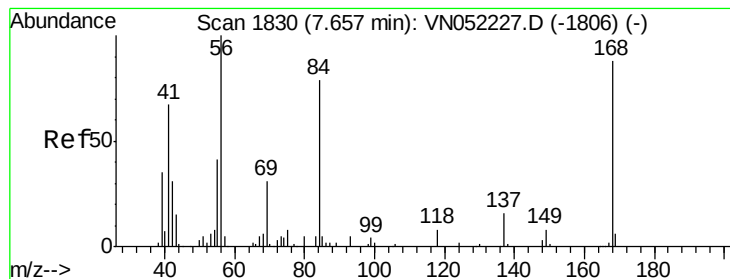
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#30
Chloroform
Concen: 96.388 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





#31

Cyclohexane

Concen: 78.768 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

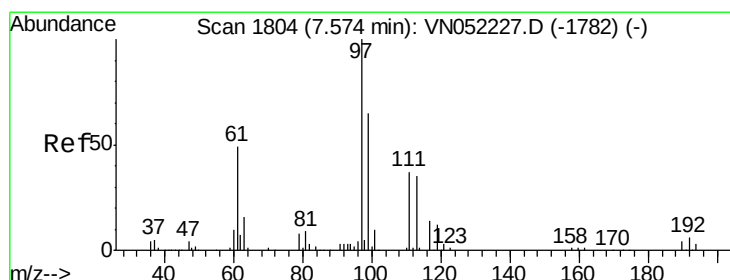
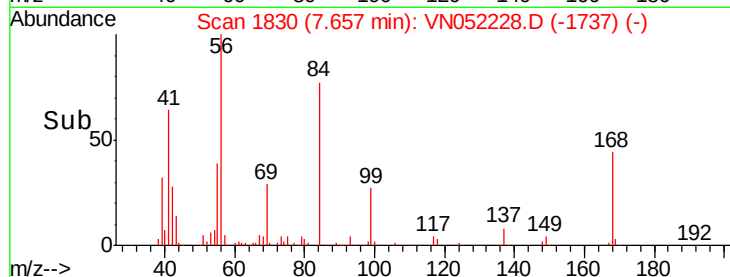
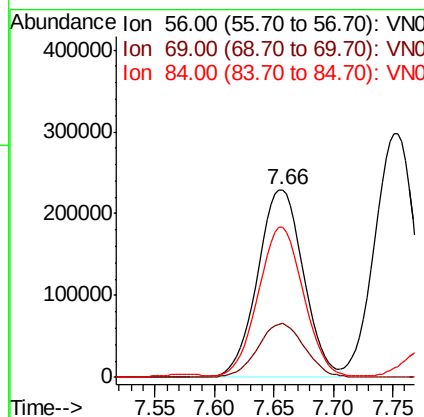
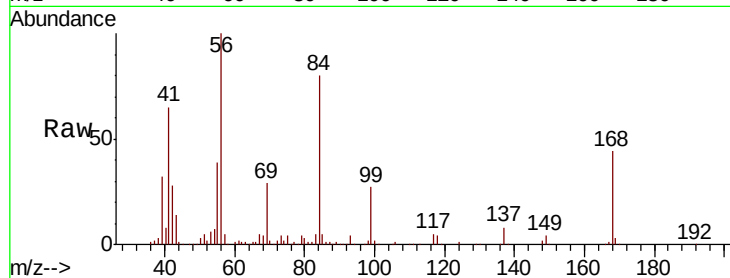
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	613917
Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.8	37.2
84	78.7	63.1	94.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 100.939 ug/l

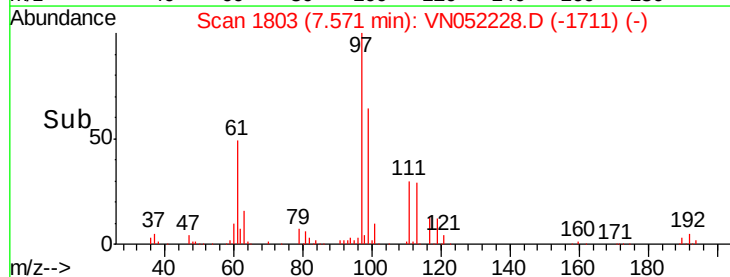
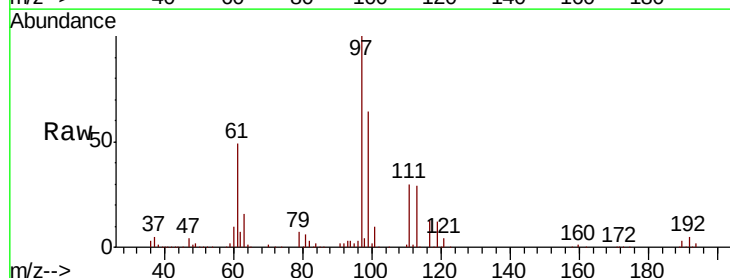
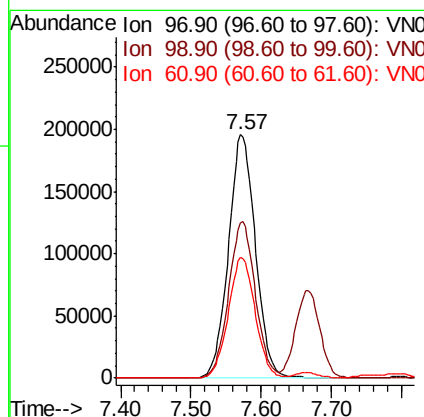
RT: 7.57 min Scan# 1803

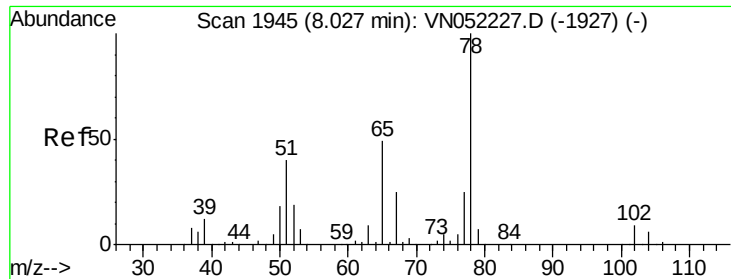
Delta R.T. -0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Tgt Ion:	97	Resp:	522869
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	49.6	40.2	60.4





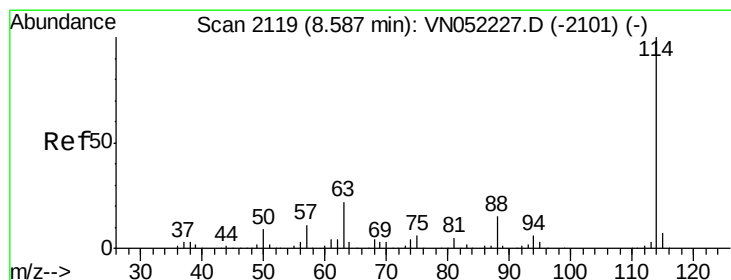
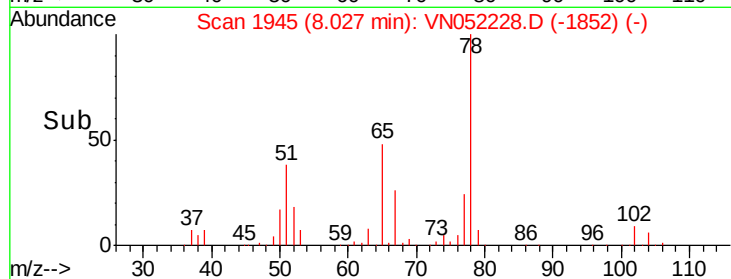
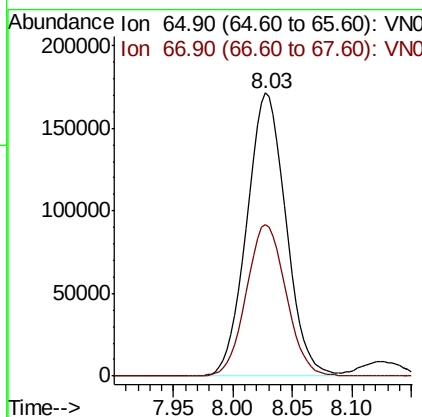
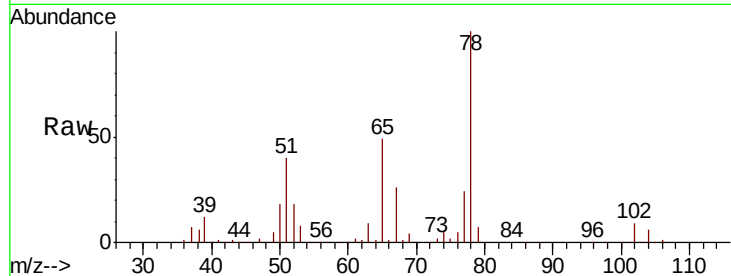
#33
 1,2-Dichloroethane-d4
 Concen: 100.939 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	106.6	

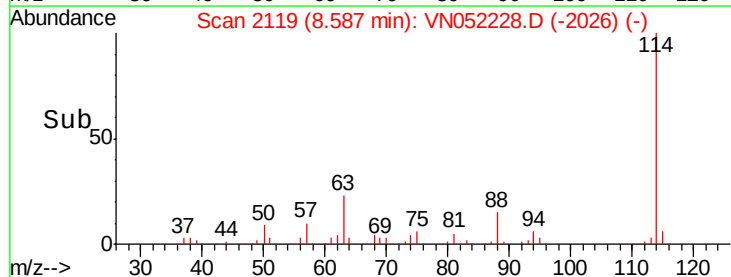
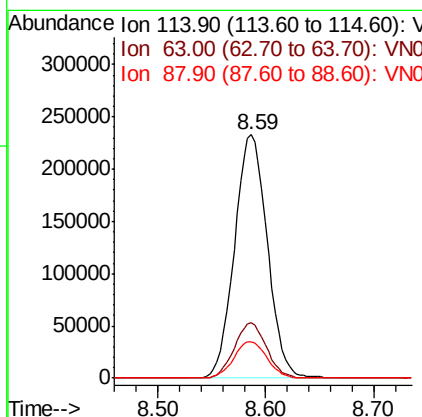
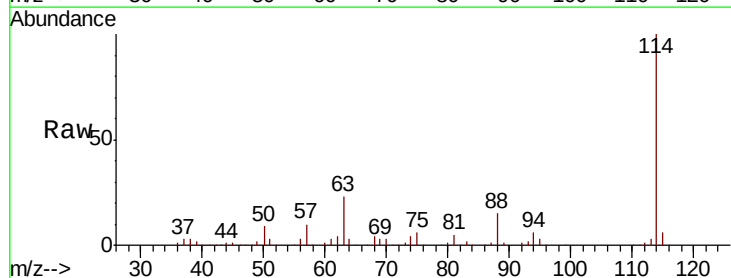
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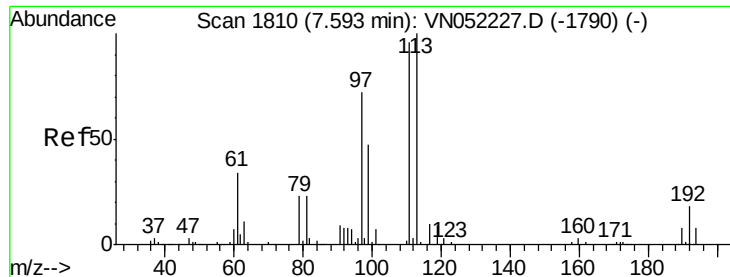
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.8	0.0	43.4	
88	15.1	0.0	30.2	





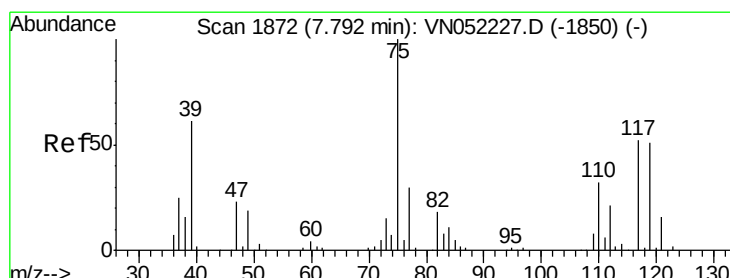
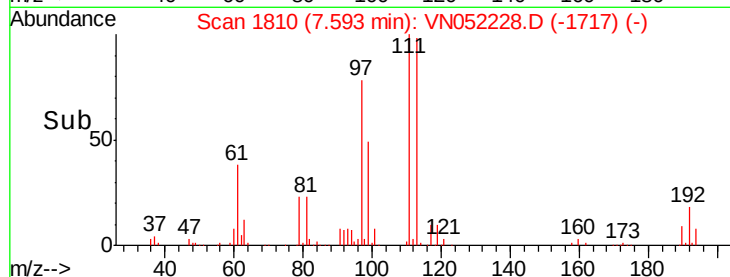
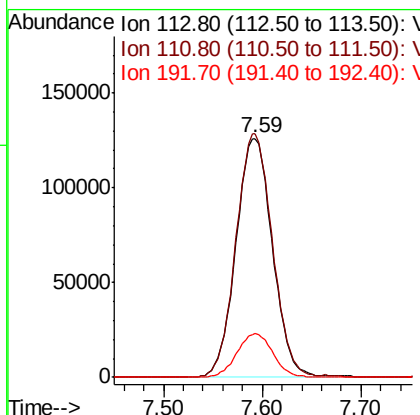
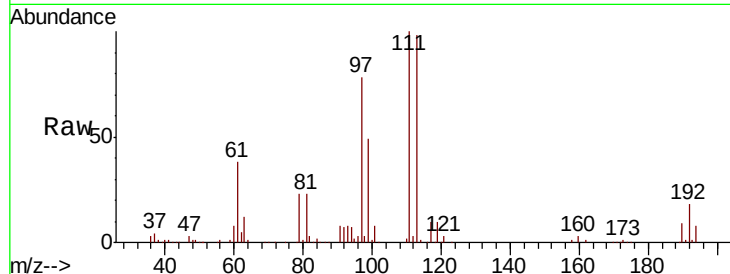
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	323902		
111	101.5	80.2	120.4	
192	18.0	14.1	21.1	

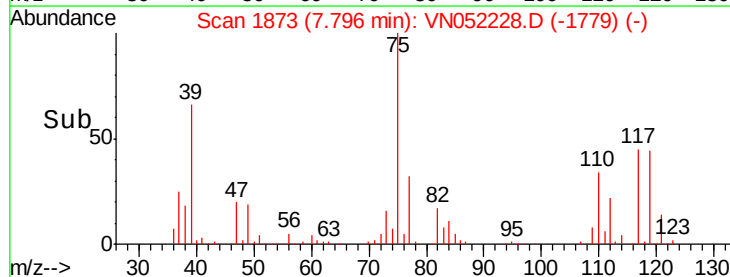
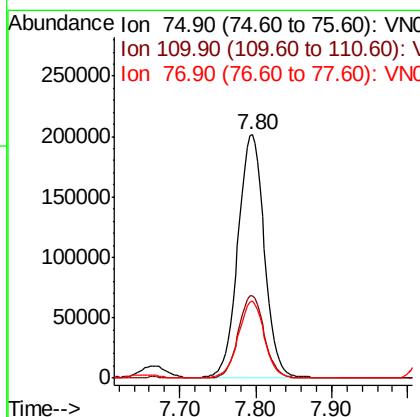
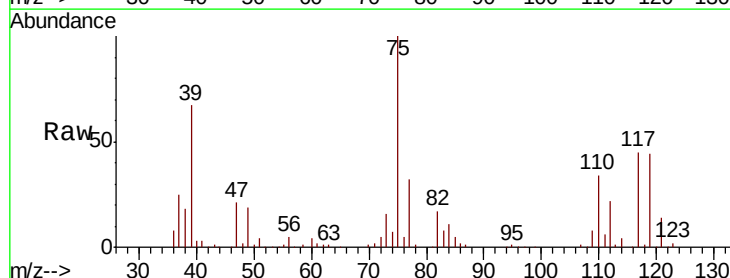
Manual Integrations
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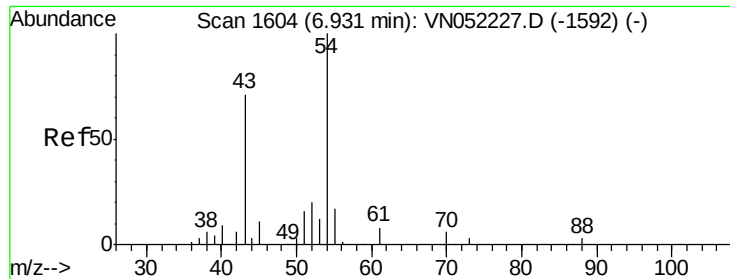
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#36
1,1-Dichloropropene
Concen: 97.447 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	484856		
110	33.5	16.4	49.4	
77	31.4	23.9	35.9	





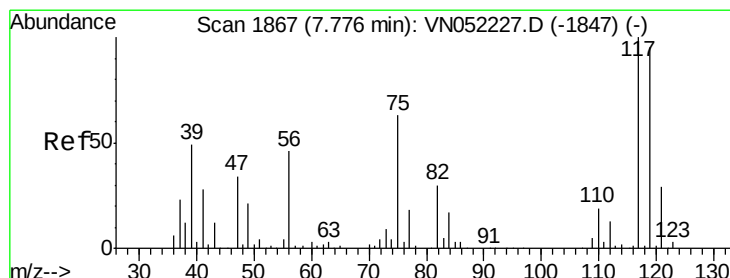
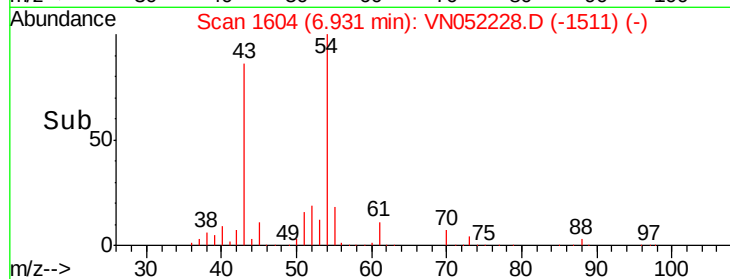
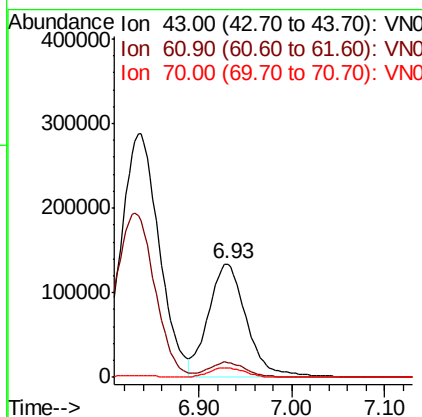
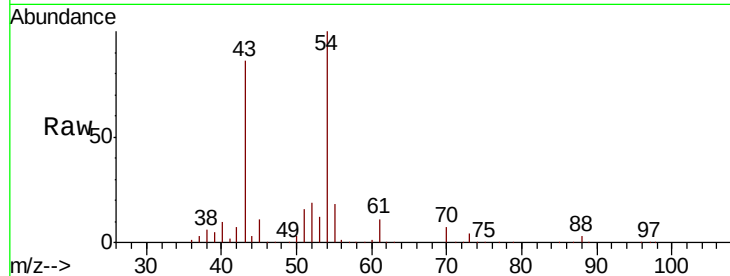
#37
Ethyl Acetate
Concen: 102.598 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.0	15.0
70	8.3	6.9	10.3

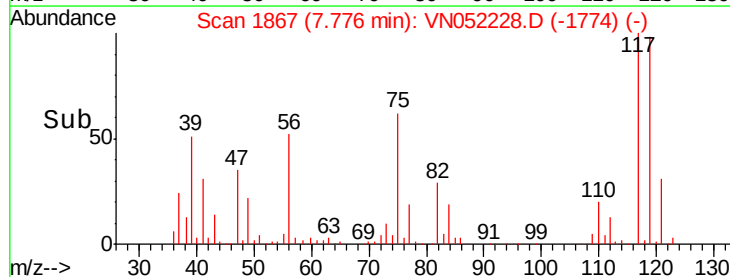
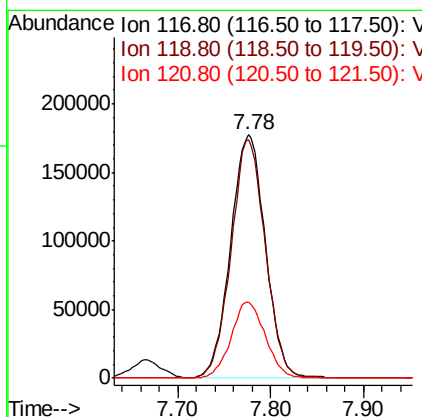
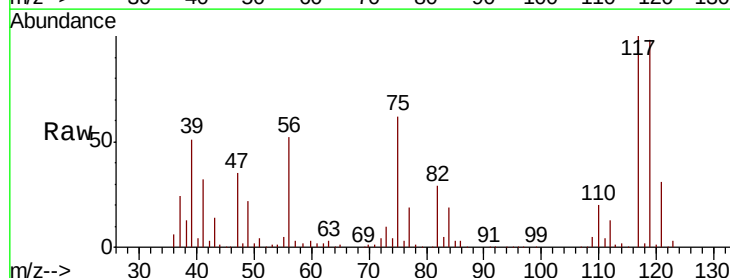
Manual Integrations
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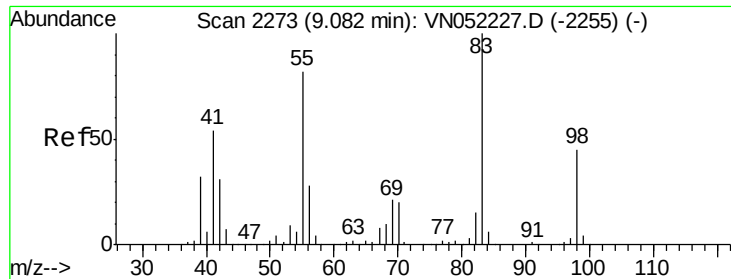
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#38
Carbon Tetrachloride
Concen: 102.067 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.8	113.8
121	31.3	23.4	35.2





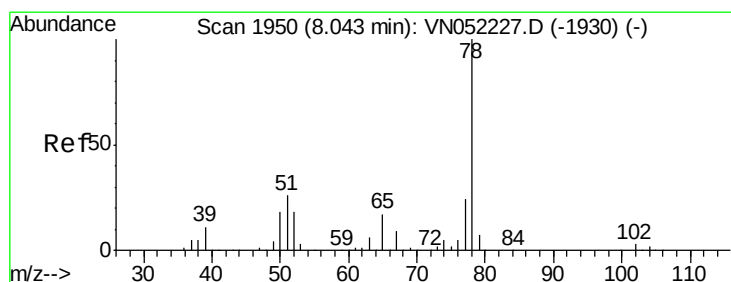
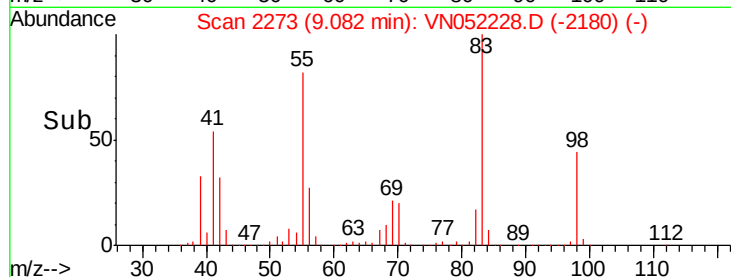
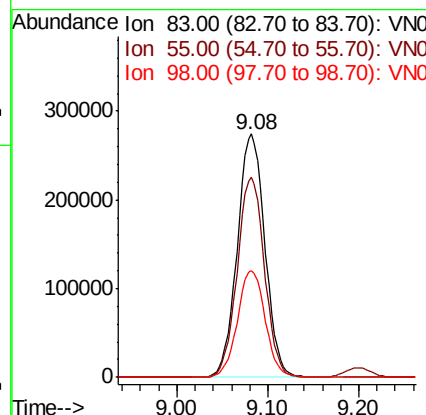
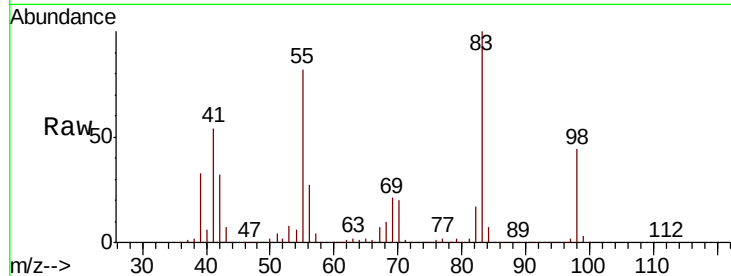
#39
Methylvlcyclohexane
Concen: 101.938 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.2	65.2	97.8	
98	43.9	36.3	54.5	

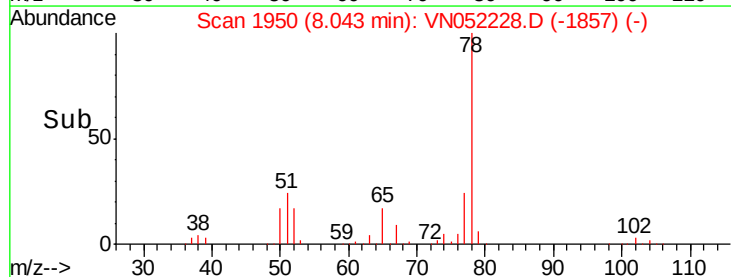
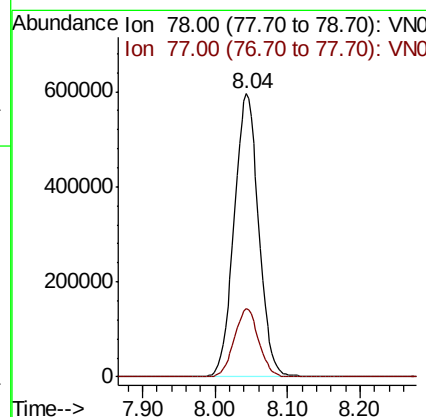
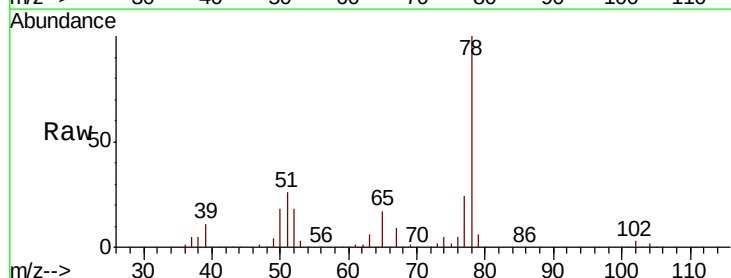
Manual Integrations
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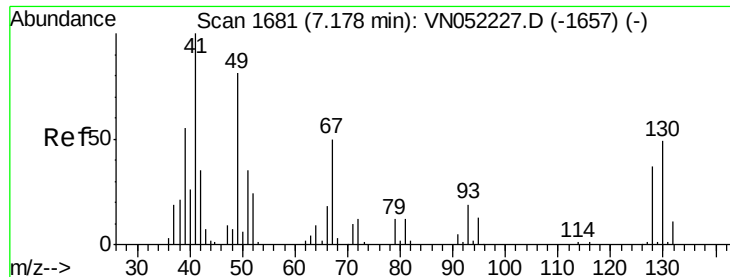
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#40
Benzene
Concen: 98.323 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.2	28.8	





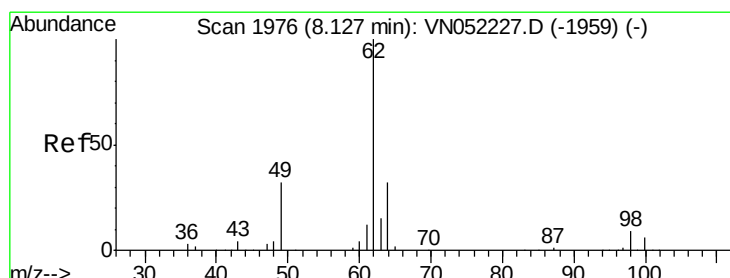
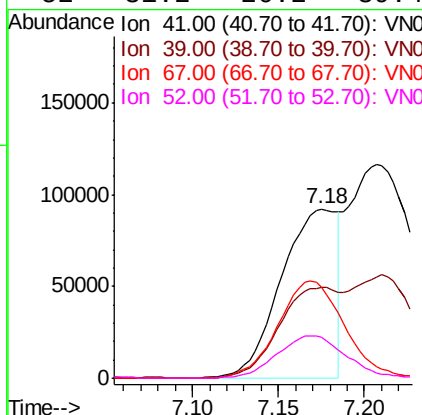
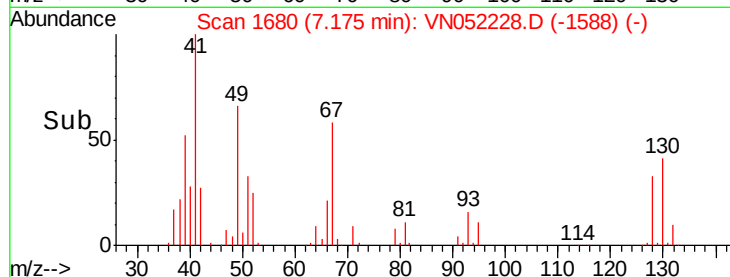
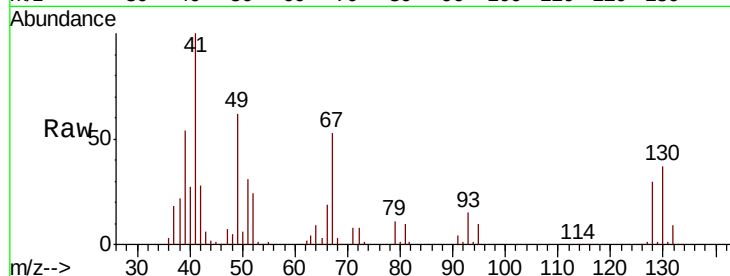
#41
Methacrylonitrile
Concen: 107.655 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	208490
Ion	Ratio	Lower	Upper
41	100		
39	54.7	47.8	71.6
67	68.7	54.3	81.5
52	31.2	26.2	39.4

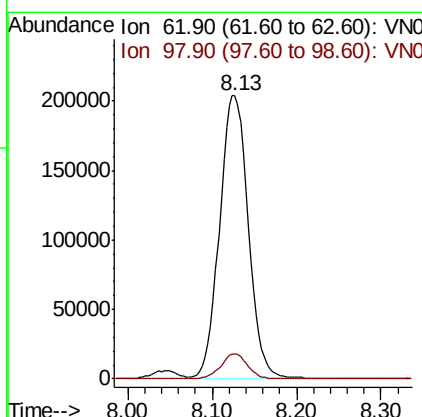
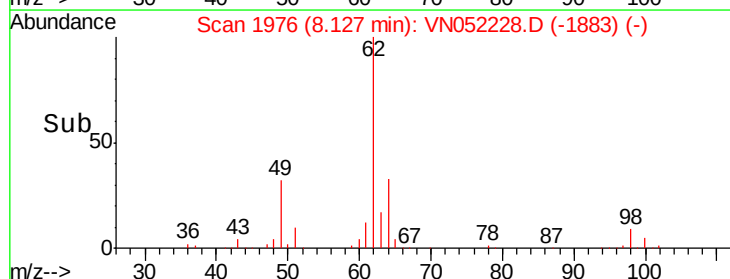
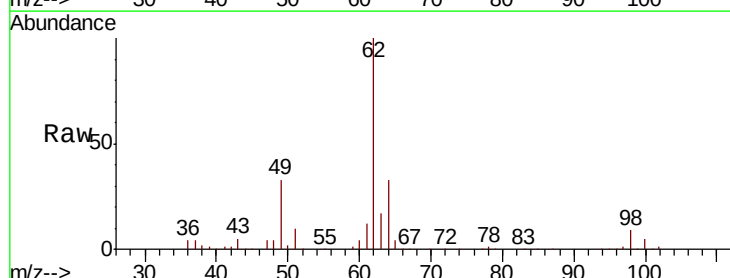
Manual Integrations
APPROVED

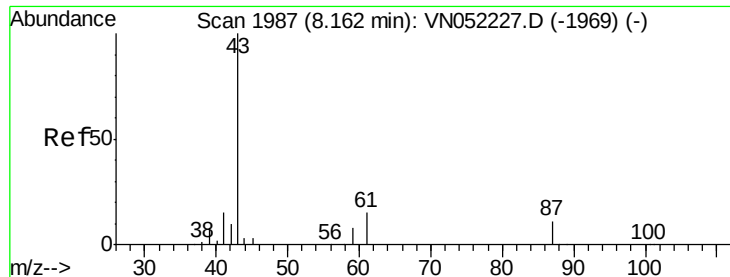
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#42
1,2-Dichloroethane
Concen: 96.675 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion:	62	Resp:	483208
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

Isopropyl Acetate

Concen: 103.737 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

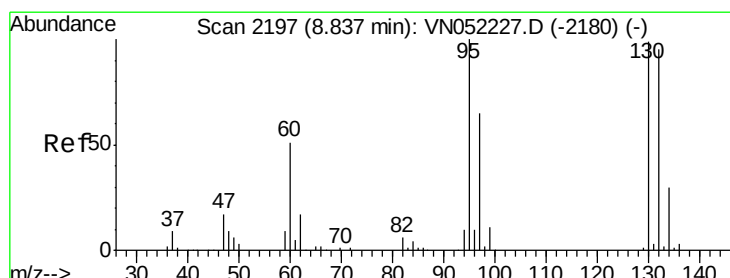
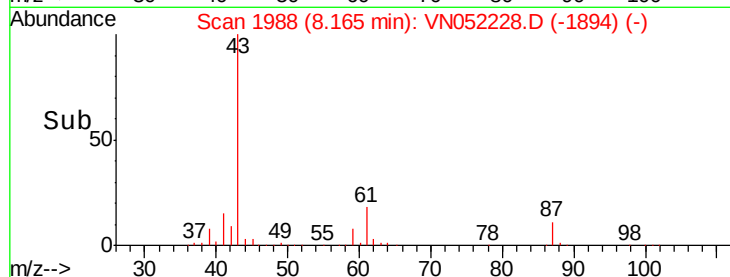
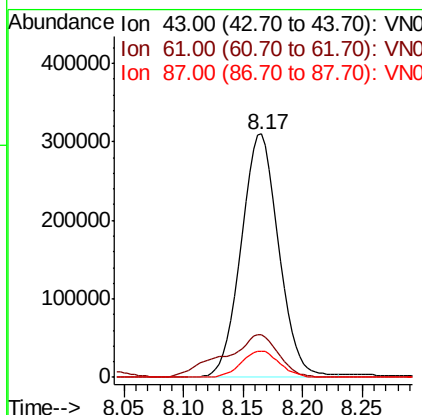
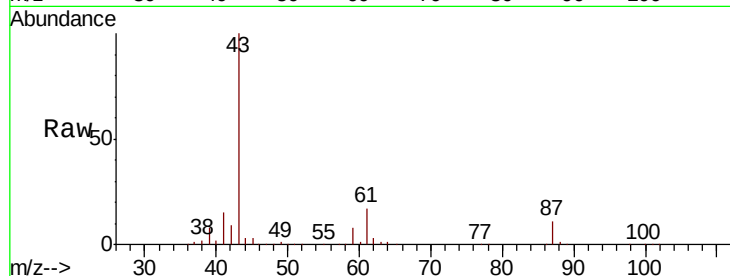
ClientSampleId :

VSTDICC100

Tot Ion:	43	Resp:	676680
Ion	Ratio	Lower	Upper
43	100		
61	25.0	14.2	21.4#
87	11.1	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 97.485 ug/l

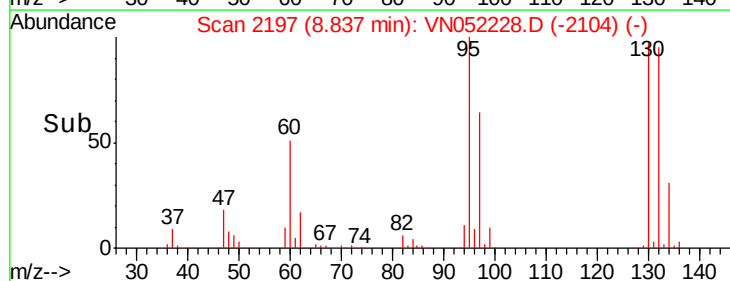
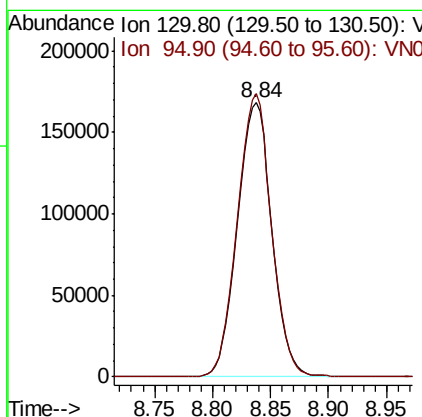
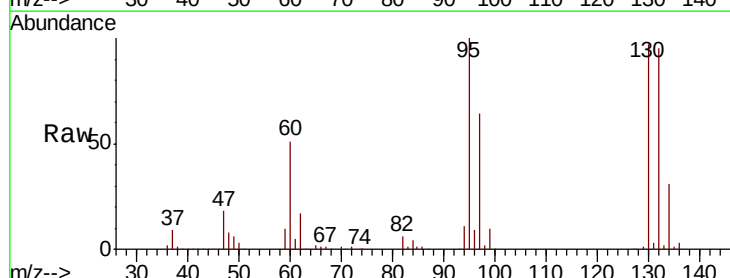
RT: 8.84 min Scan# 2197

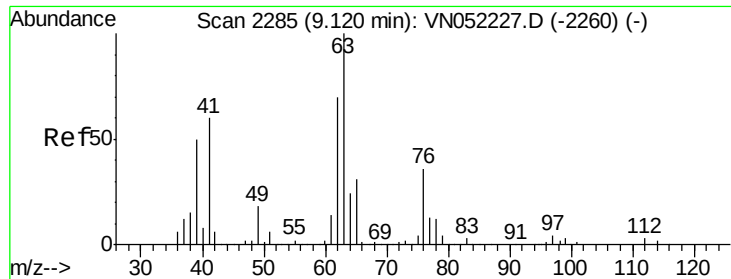
Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Tgt Ion:	130	Resp:	348002
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	201.6





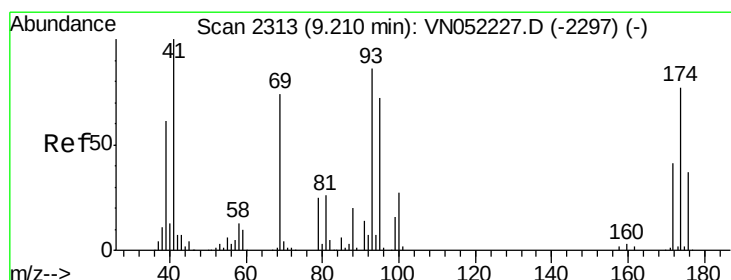
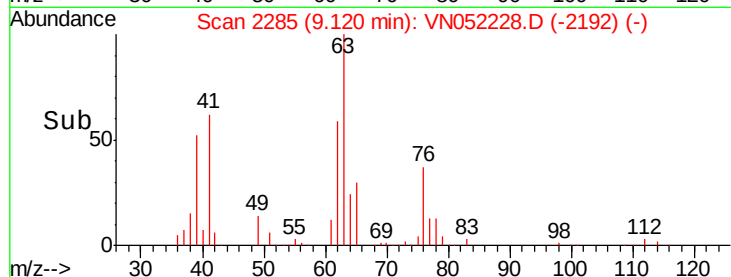
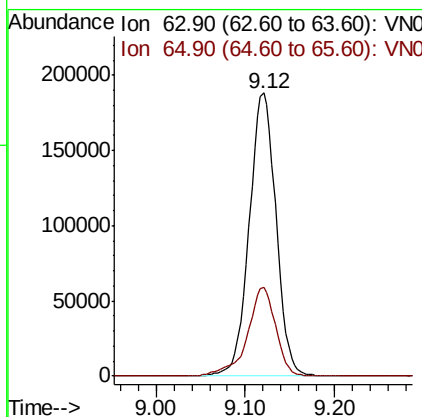
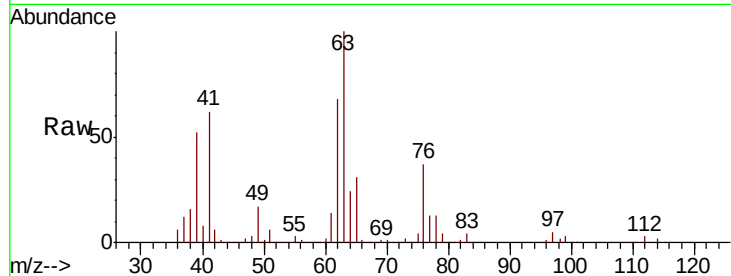
#45
 1,2-Dichloropropane
 Concen: 98.717 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 392873
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2

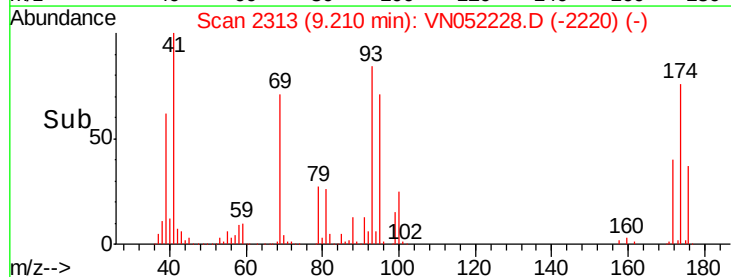
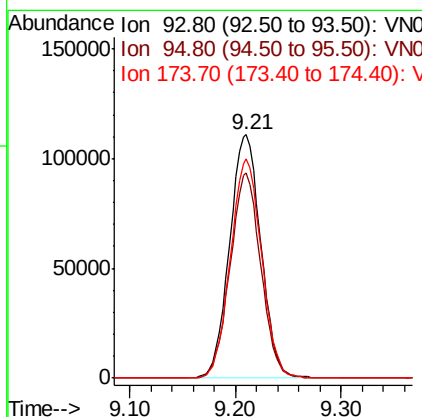
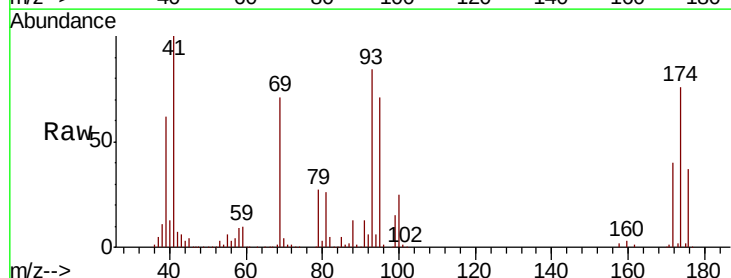
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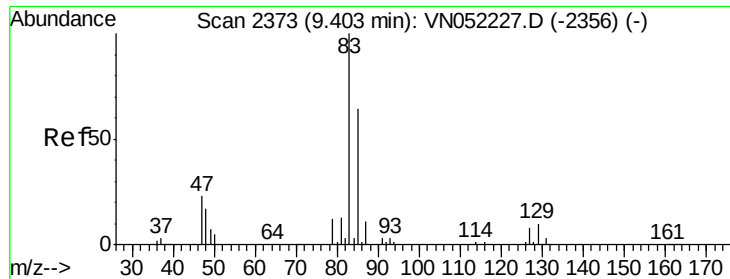
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#46
 Dibromomethane
 Concen: 99.634 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion: 93 Resp: 227764
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.0 100.4
 174 89.7 72.1 108.1





#47

Bromodichloromethane

Concen: 100.610 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

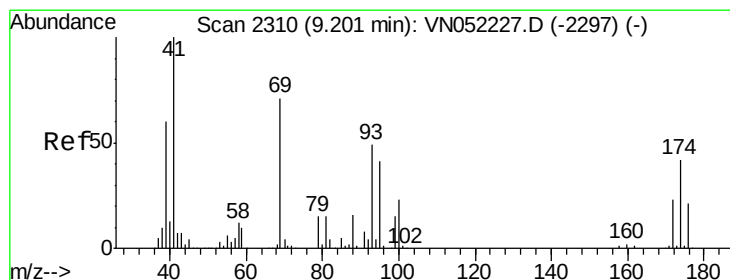
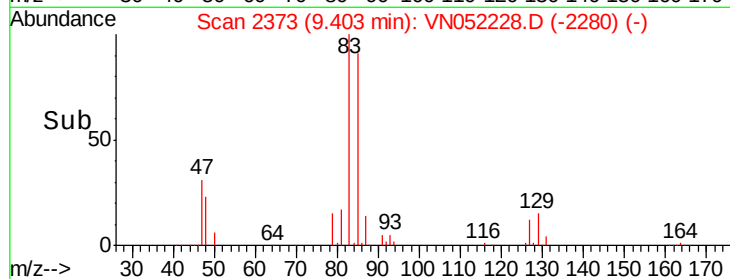
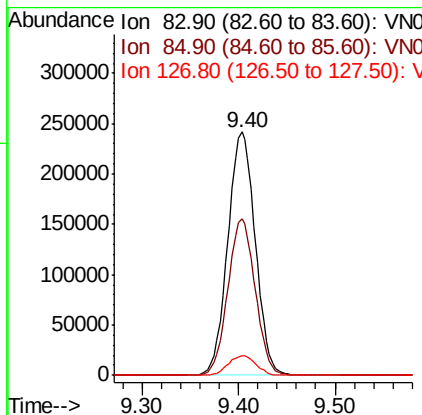
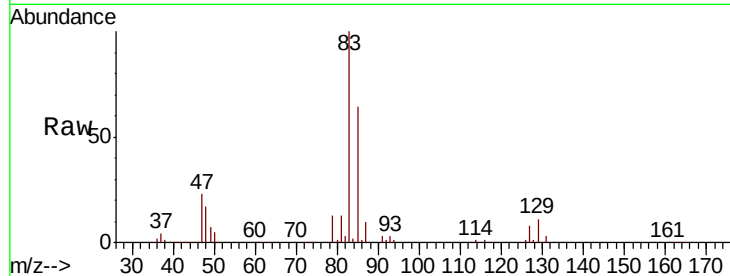
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	476522
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.2	76.8
127	8.2	6.2	9.4

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#48

Methyl methacrylate

Concen: 100.954 ug/l

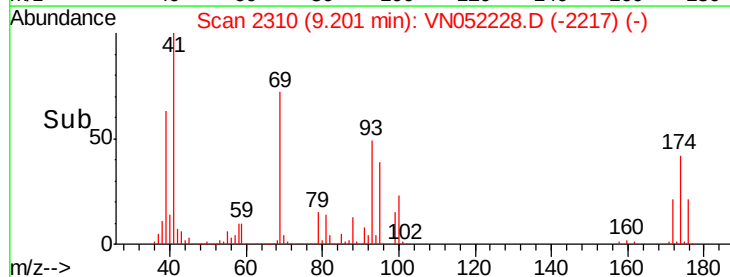
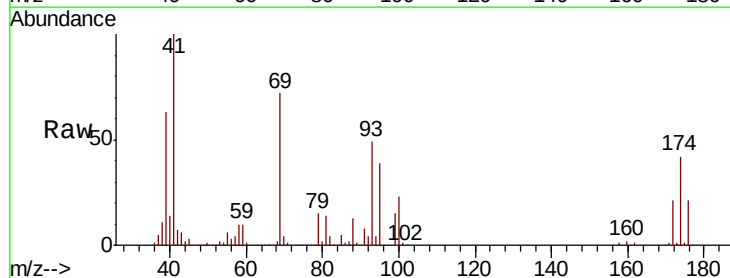
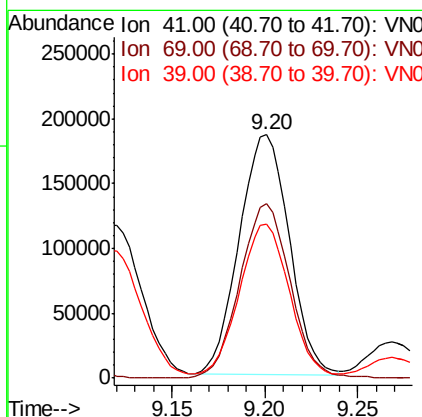
RT: 9.20 min Scan# 2310

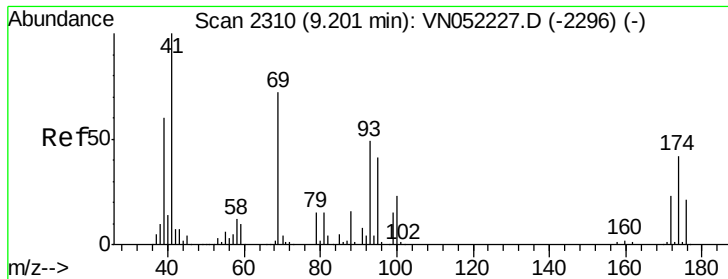
Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Tgt Ion:	41	Resp:	346975
Ion Ratio	Lower	Upper	
41	100		
69	73.5	58.8	88.2
39	64.6	50.7	76.1





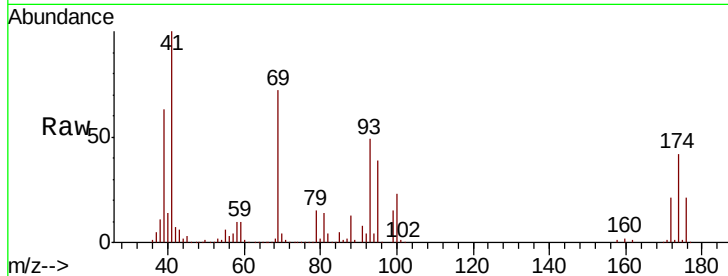
#49
1,4-Dioxane
Concen: 1768.500 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

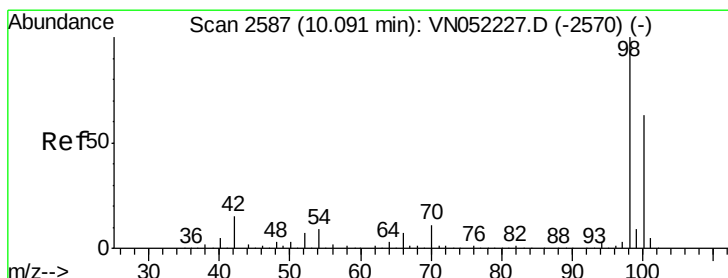
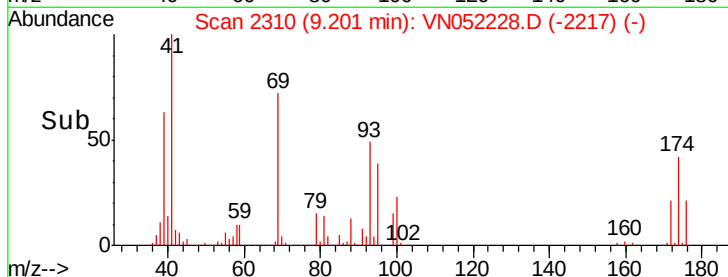
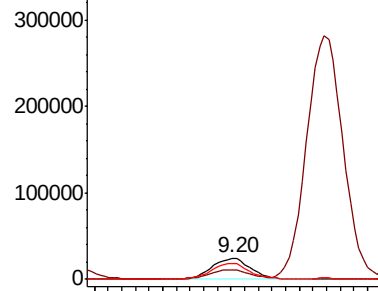
Tot Ion	88	Resp	48862
Ion	Ratio	Lower	Upper
88	100		
43	44.9	32.5	48.7
58	75.1	58.2	87.4

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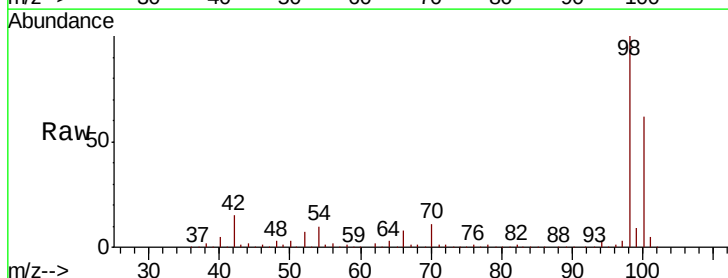


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

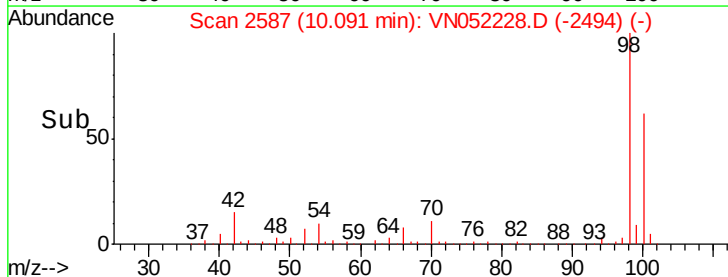
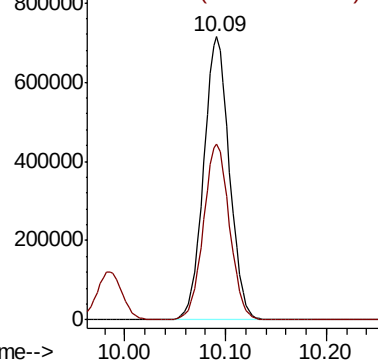


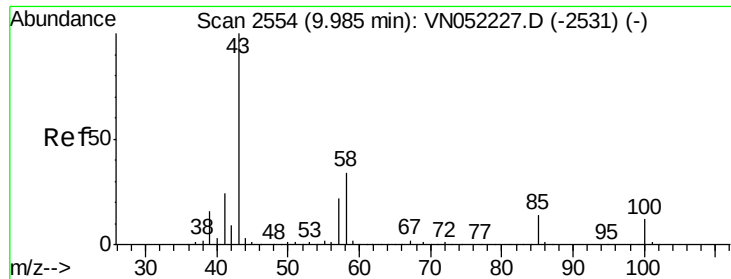
#50
Toluene-d8
Concen: 1768.500 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	98	Resp	1265668
Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.2	75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 516.213 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1859582

Ion Ratio Lower Upper

43 100

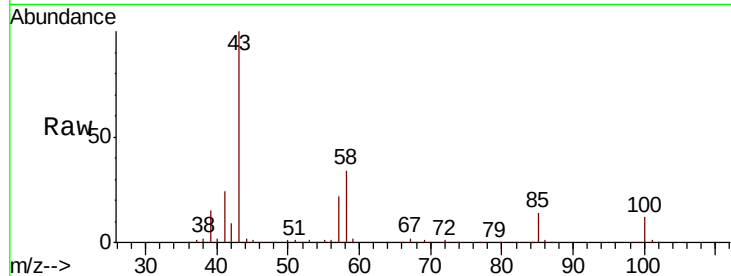
58 34.6 27.4 41.0

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Abundance Ion 43.00 (42.70 to 43.70): VN052228.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN052228.D (-2531) (-)

1200000

1000000

800000

600000

400000

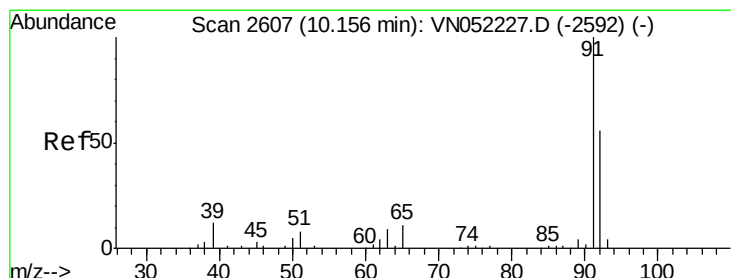
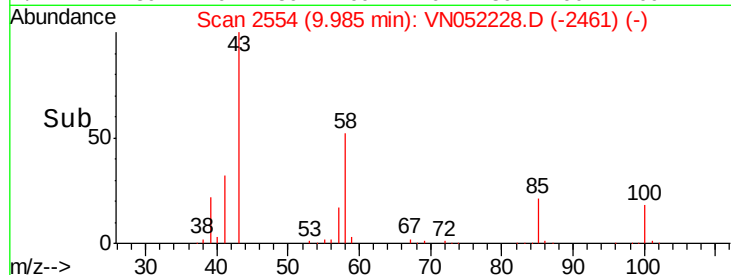
200000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 99.922 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052228.D

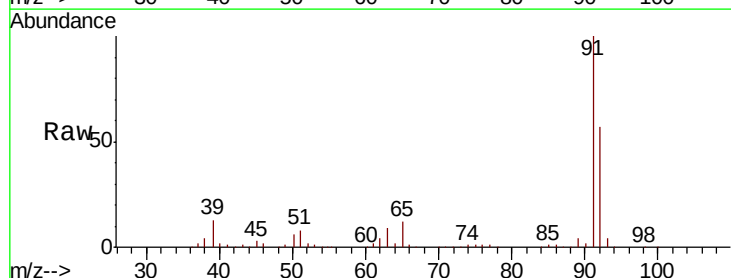
Acq: 9 Nov 2018 15:26

Tgt Ion: 92 Resp: 858674

Ion Ratio Lower Upper

92 100

91 177.8 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052228.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052228.D (-2514) (-)

1000000

800000

600000

400000

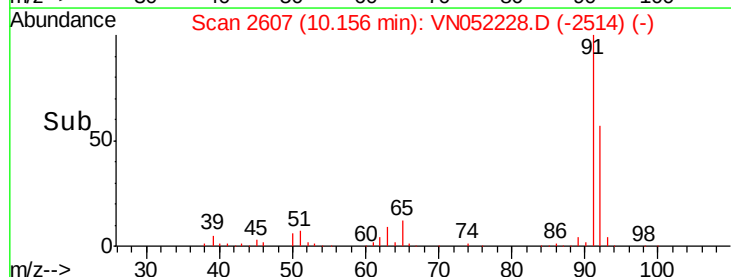
200000

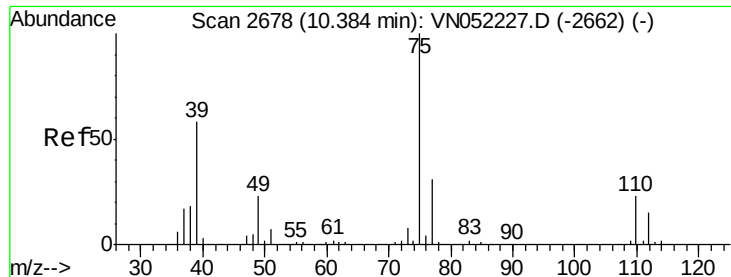
0

10.10

10.20

Time-->





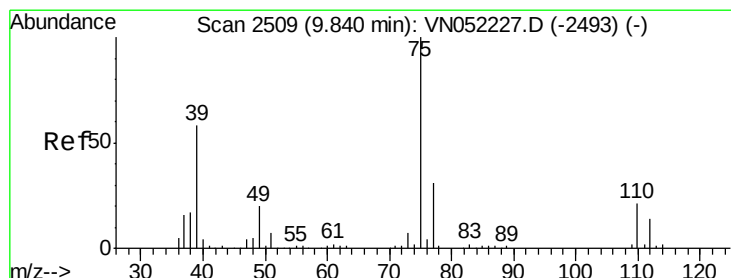
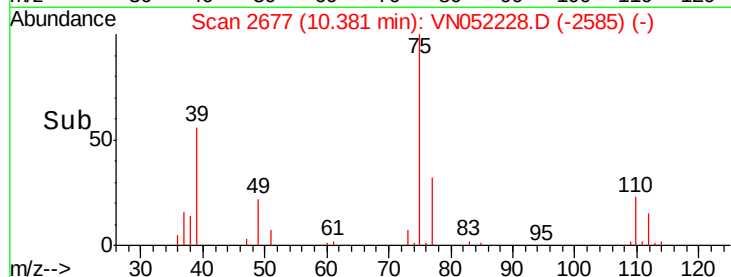
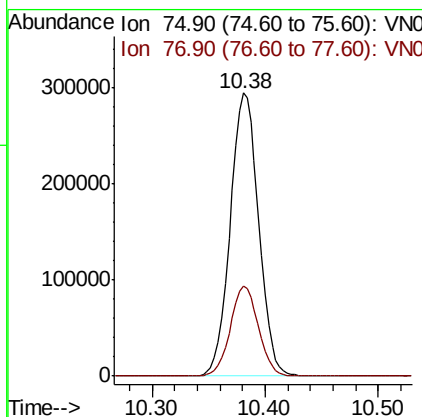
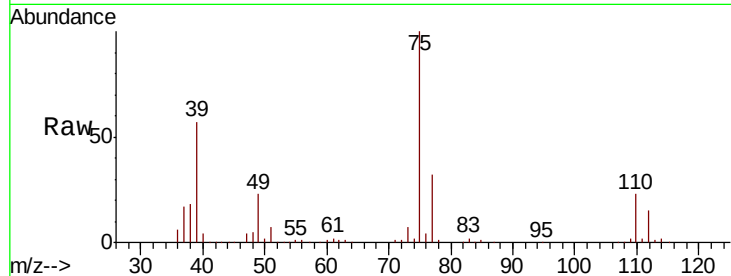
#53
t-1,3-Dichloropropene
Concen: 110.018 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 514211
Ion Ratio Lower Upper
75 100
77 31.9 24.6 36.8

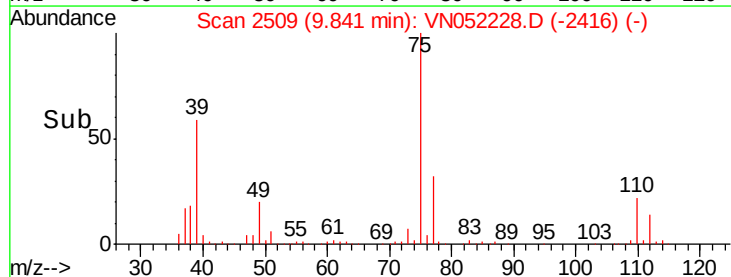
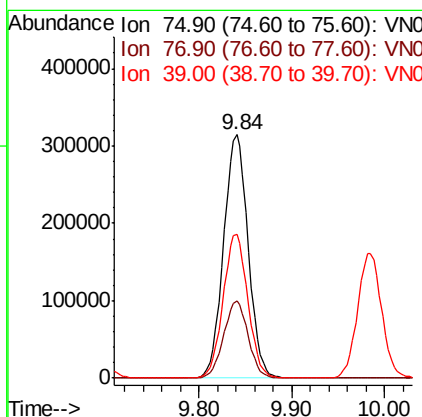
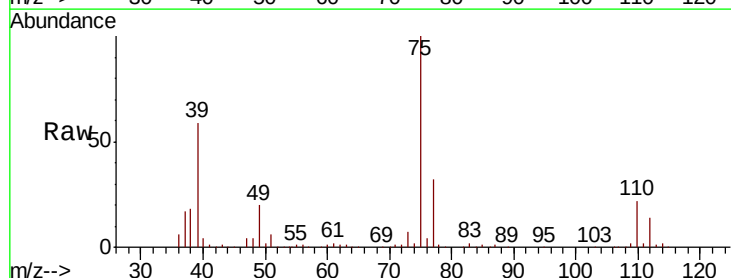
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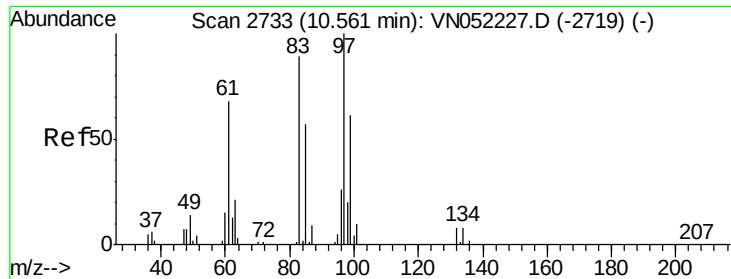
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#54
cis-1,3-Dichloropropene
Concen: 104.410 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion: 75 Resp: 576073
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 59.2 46.6 70.0





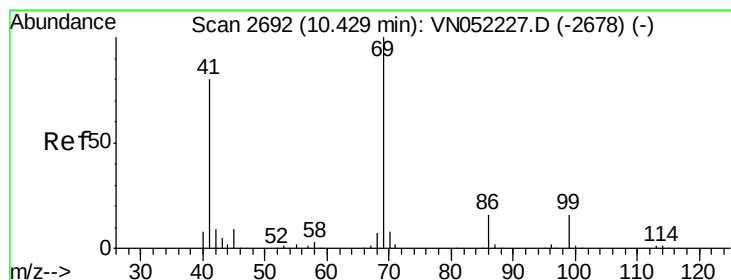
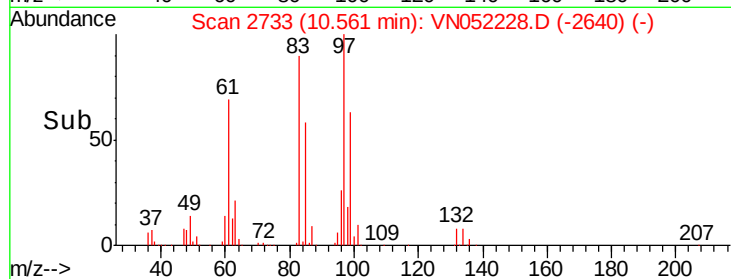
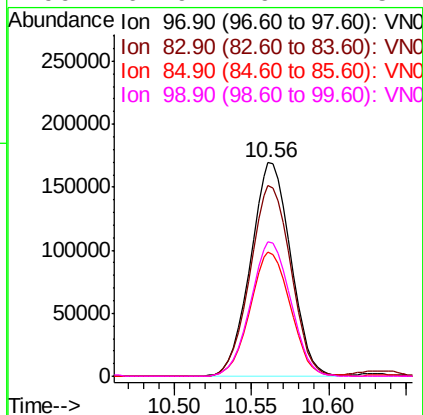
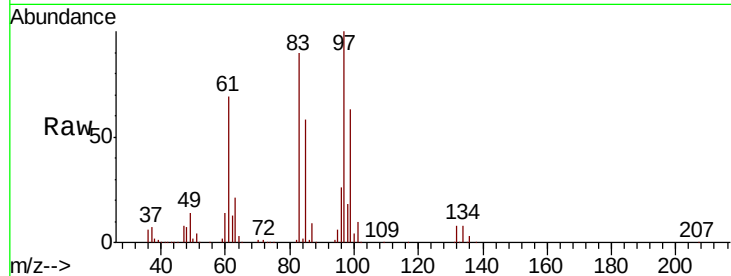
#55
 1,1,2-Trichloroethane
 Concen: 98.665 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	306459
Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.2	106.8
85	58.3	45.6	68.4
99	62.9	49.1	73.7

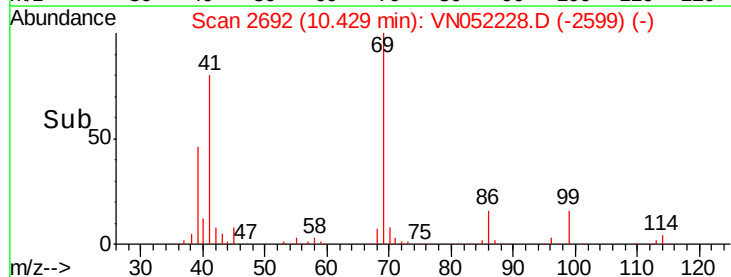
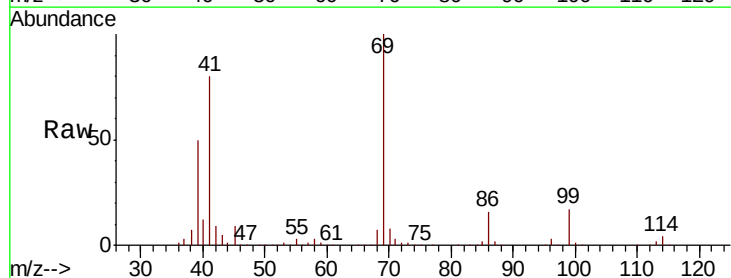
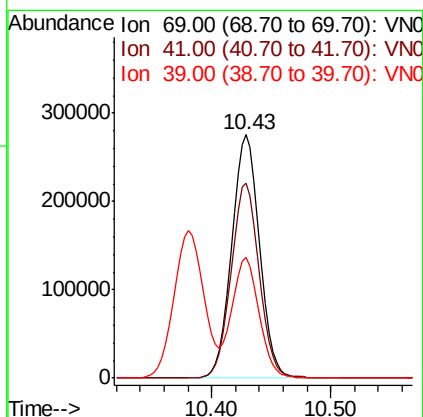
Manual Integrations
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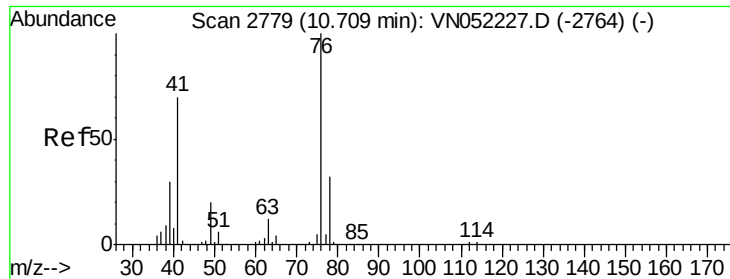
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#56
 Ethyl methacrylate
 Concen: 106.198 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion:	69	Resp:	445803
Ion	Ratio	Lower	Upper
69	100		
41	80.1	64.0	96.0
39	48.2	37.8	56.8





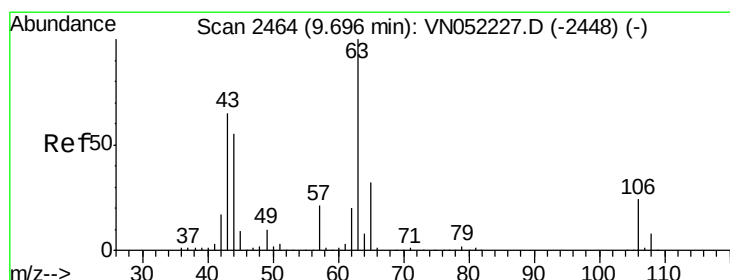
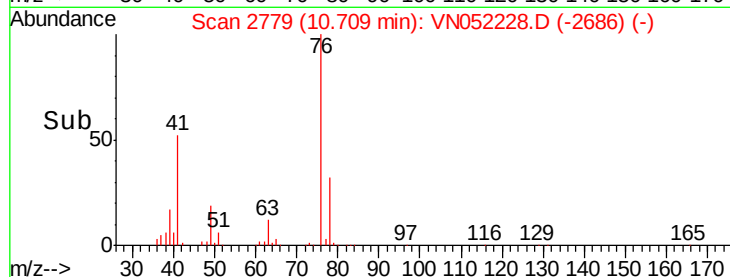
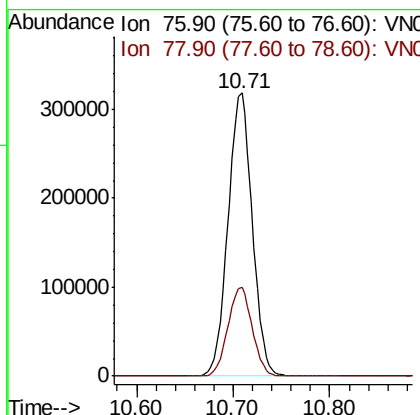
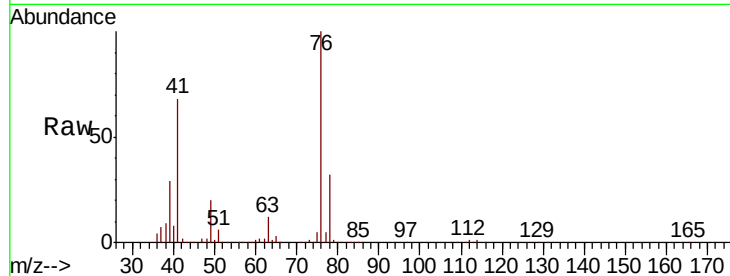
#57
 1,3-Dichloropropane
 Concen: 99.687 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 554279
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5

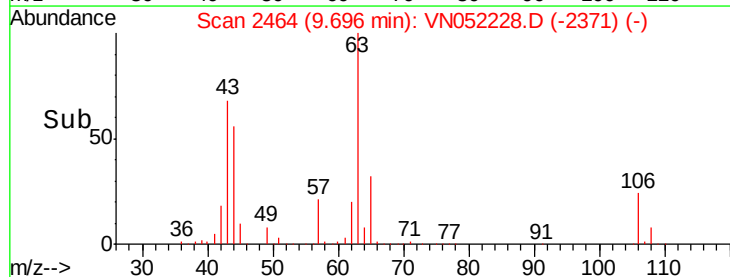
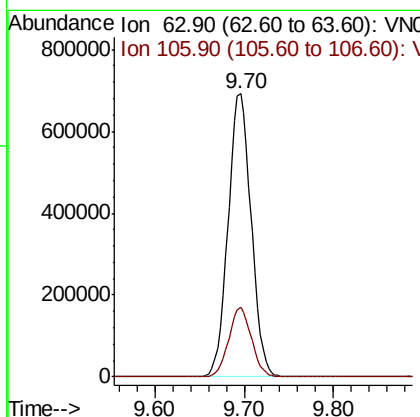
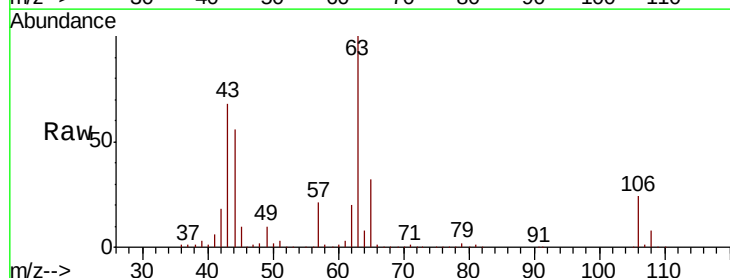
Manual Integrations
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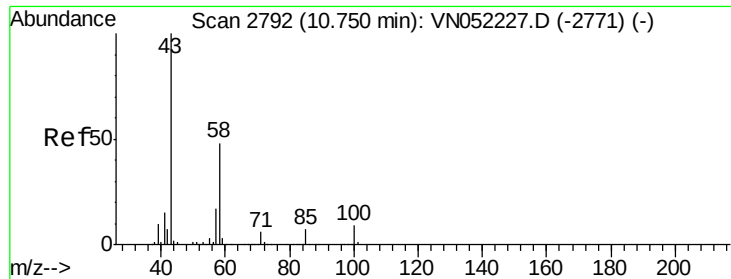
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#58
 2-Chloroethyl Vinyl ether
 Concen: 532.380 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion: 63 Resp: 1237476
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.5 29.3





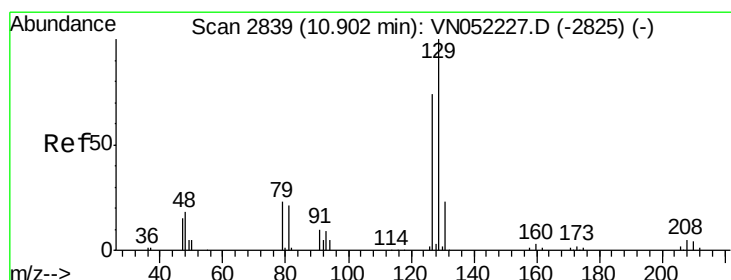
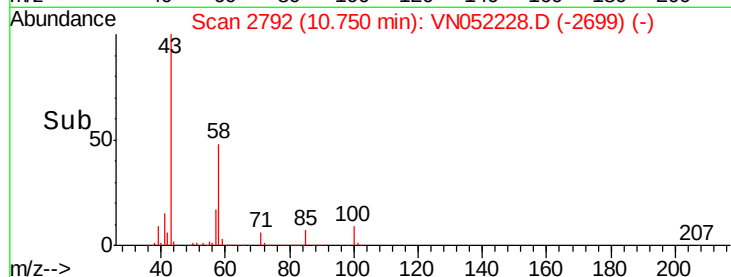
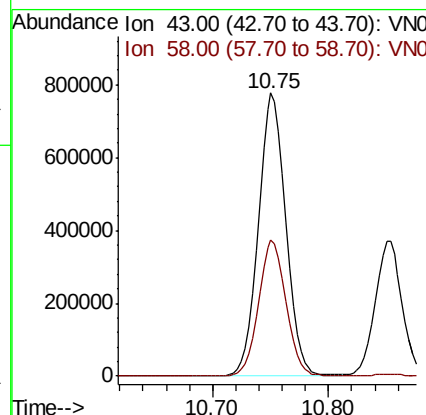
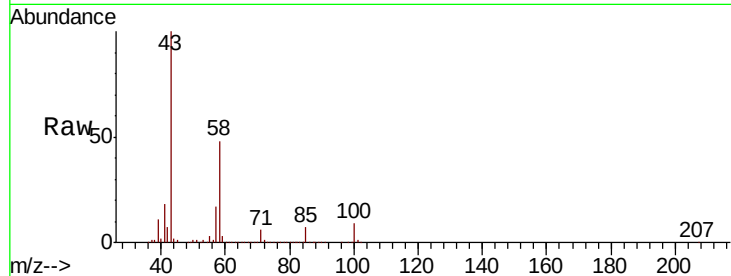
#59
2-Hexanone
Concen: 508.216 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1285201
Ion Ratio Lower Upper
43 100
58 48.3 24.1 72.3

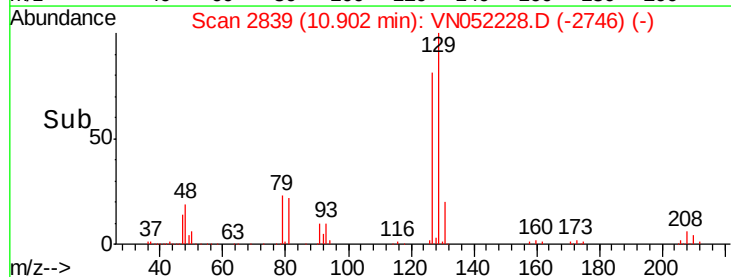
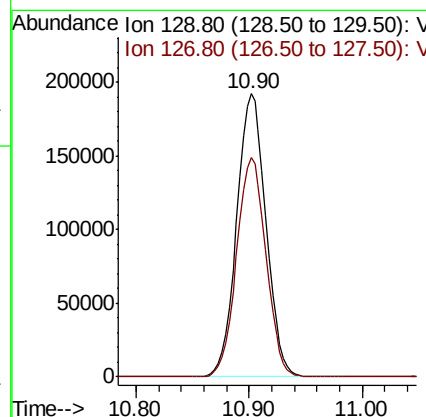
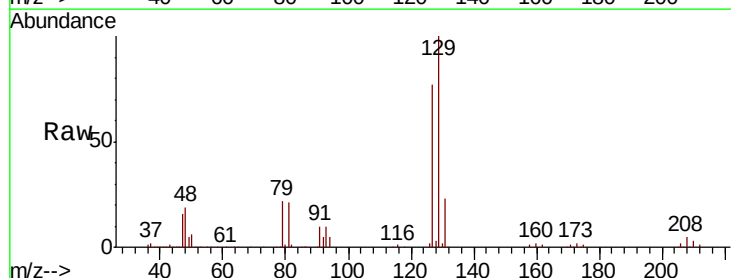
Manual Integrations
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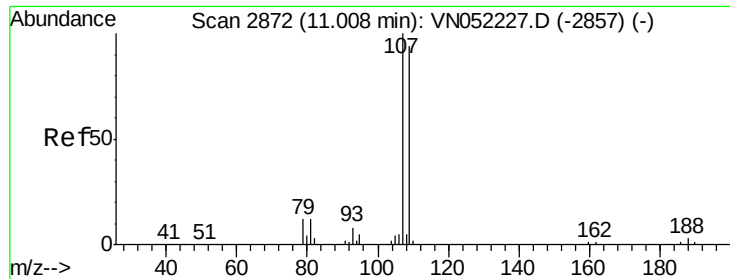
MMDadoda
11/12/2018 9:18:46 AM



#60
Dibromochloromethane
Concen: 109.596 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion: 129 Resp: 345288
Ion Ratio Lower Upper
129 100
127 78.1 38.0 114.1





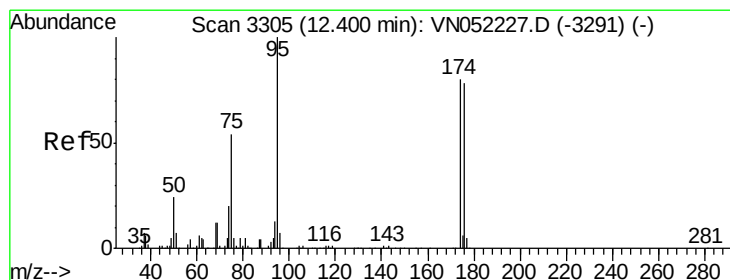
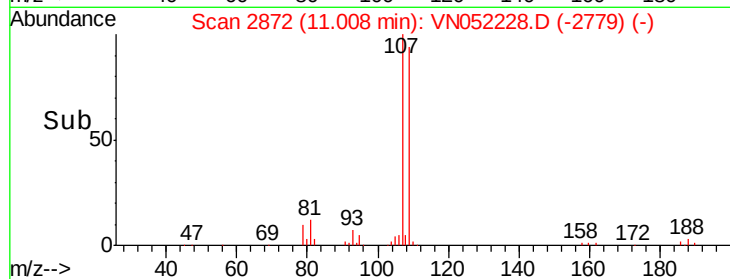
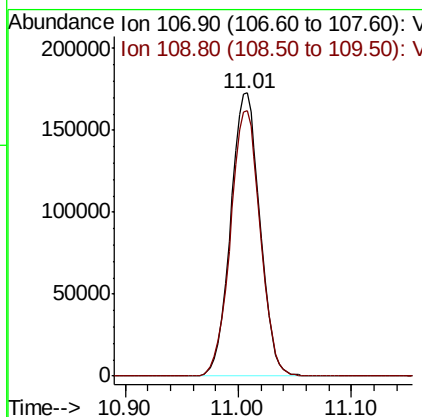
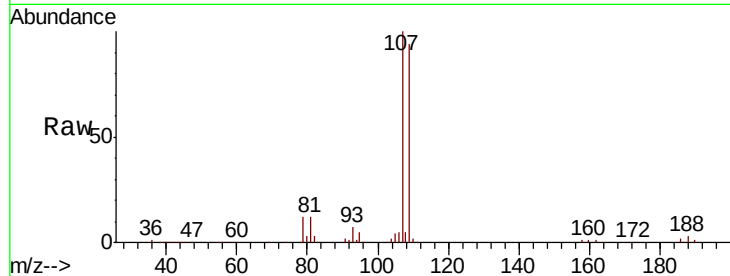
#61
 1,2-Dibromoethane
 Concen: 102.019 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.8	113.6

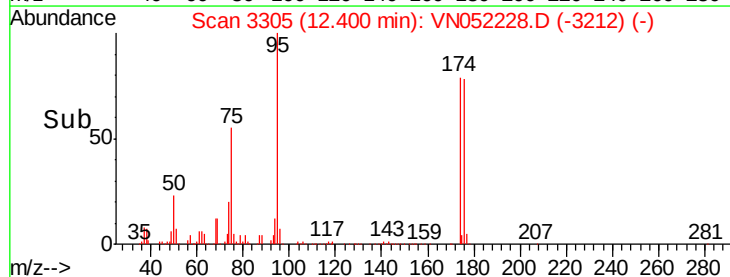
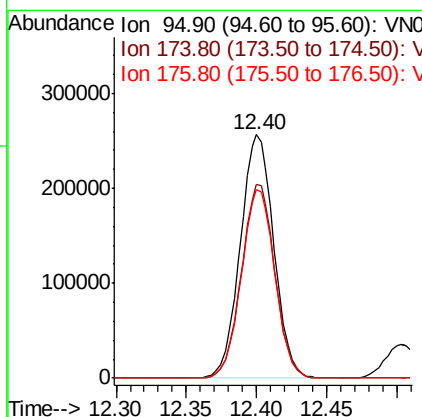
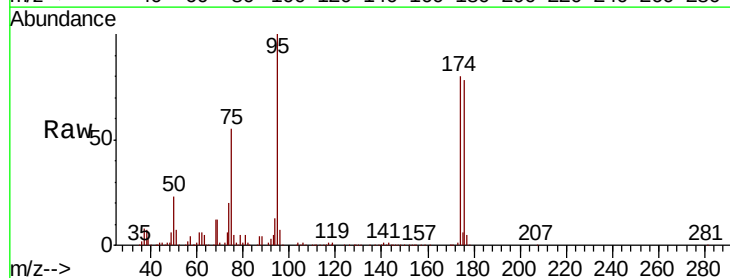
Manual Integrations
 APPROVED

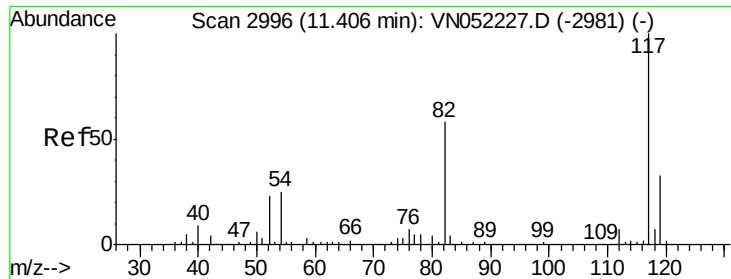
MMDadoda
 11/12/2018 9:18:46 AM



#62
 4-Bromofluorobenzene
 Concen: 102.019 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	159.4
176	77.4	0.0	157.8





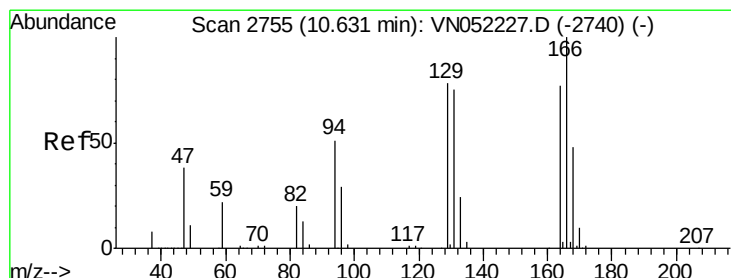
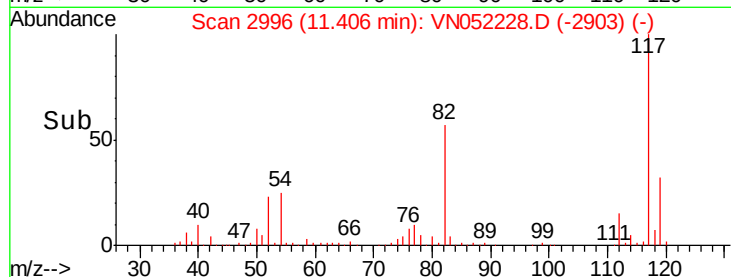
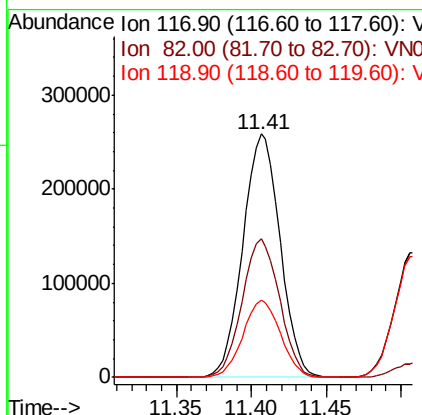
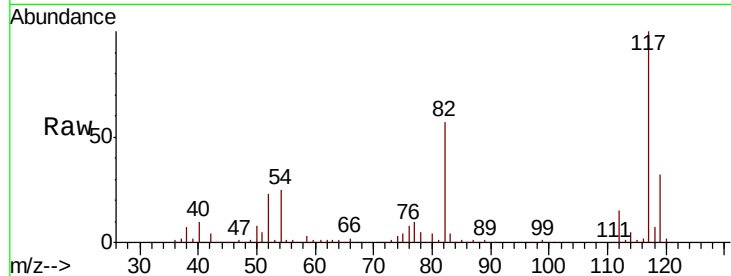
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.2	69.2
119	31.6	26.2	39.4

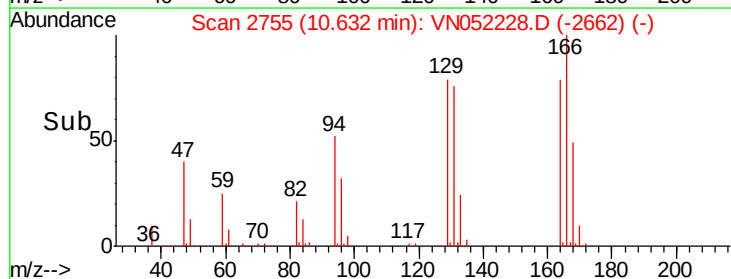
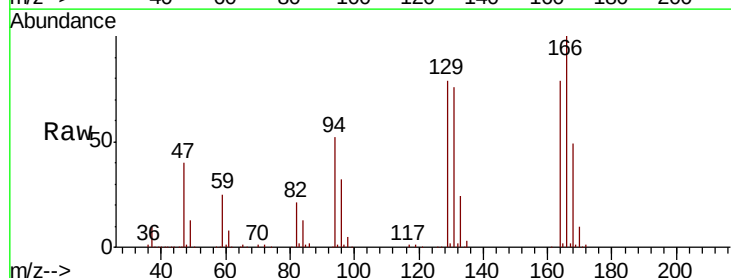
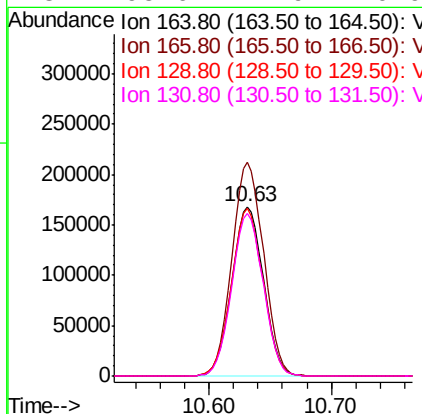
Manual Integrations
APPROVED

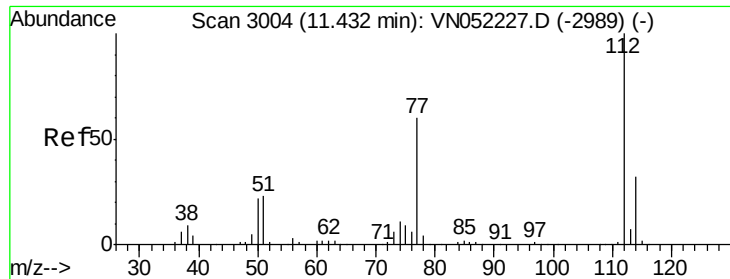
MMDadoda
11/12/2018 9:18:46 AM



#64
Tetrachloroethene
Concen: 96.583 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.6	155.4
129	99.2	81.0	121.6
131	95.6	77.9	116.9





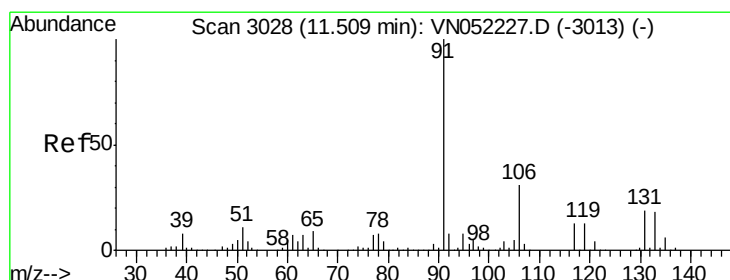
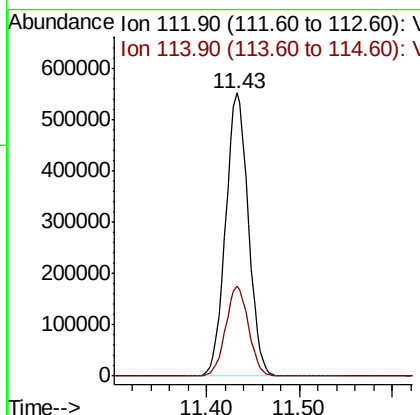
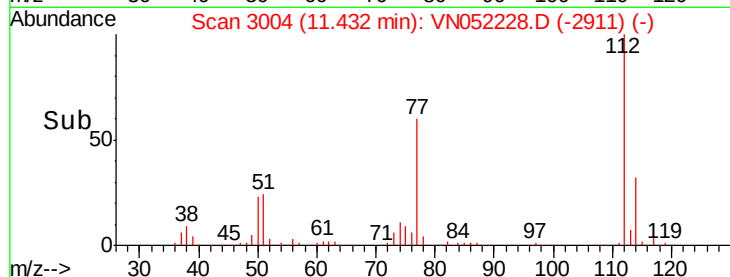
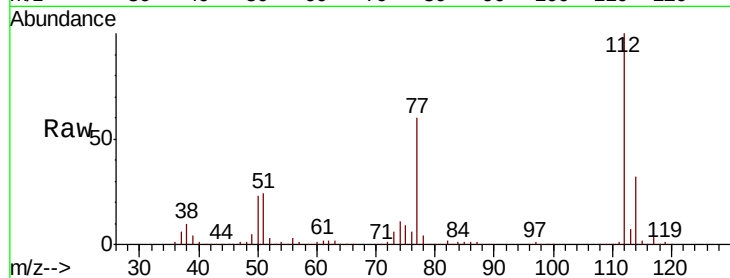
#65
Chlorobenzene
Concen: 98.554 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 935651
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

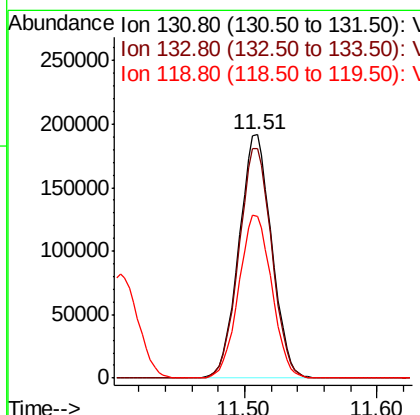
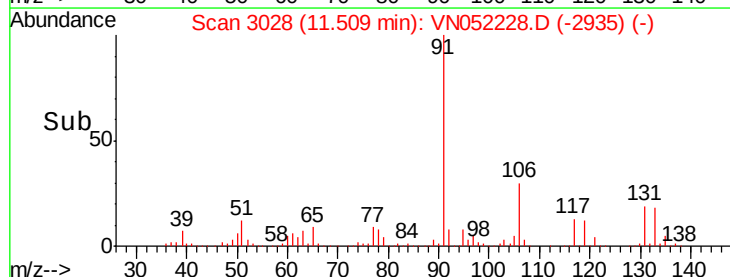
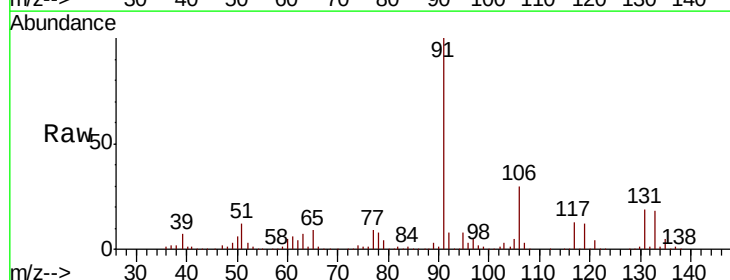
Manual Integrations
APPROVED

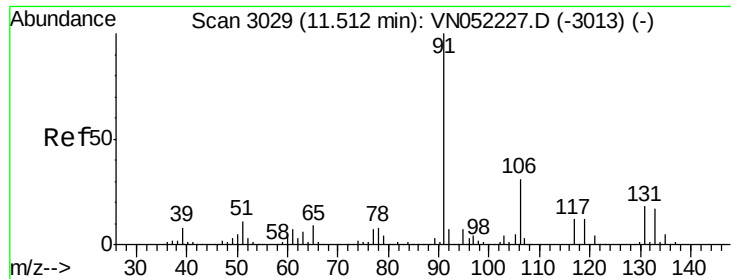
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11/12/2018 9:18:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.179 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion:131 Resp: 328600
Ion Ratio Lower Upper
131 100
133 95.0 48.3 144.9
119 67.6 34.6 103.9





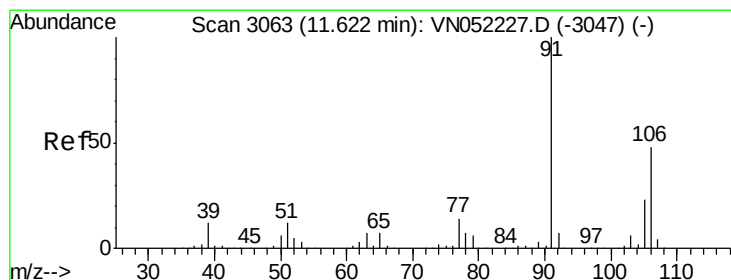
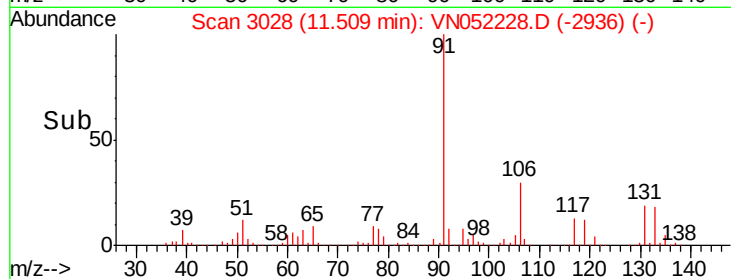
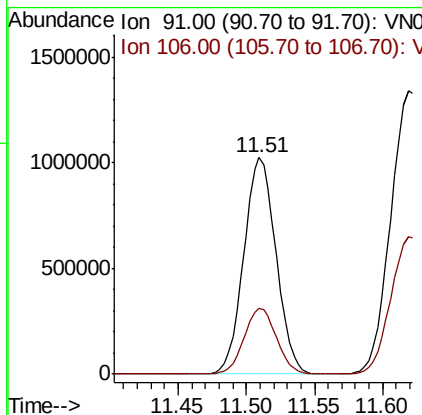
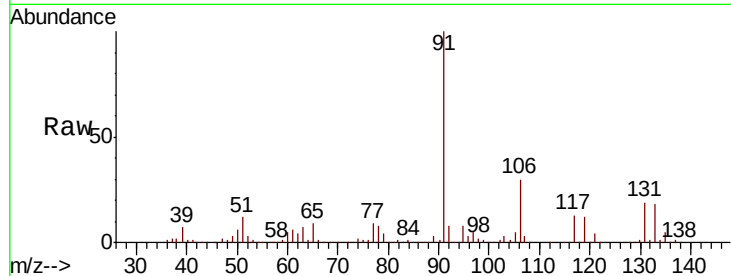
#67
Ethyl Benzene
Concen: 100.563 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1679308
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1

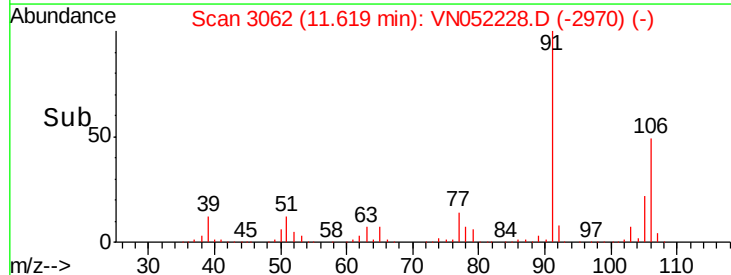
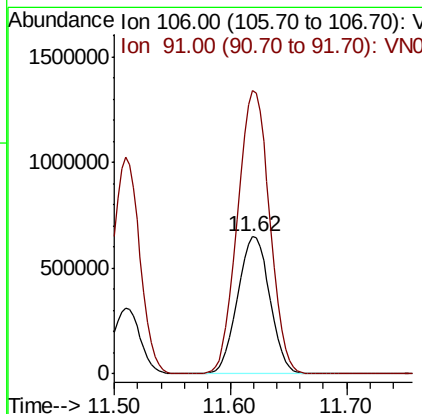
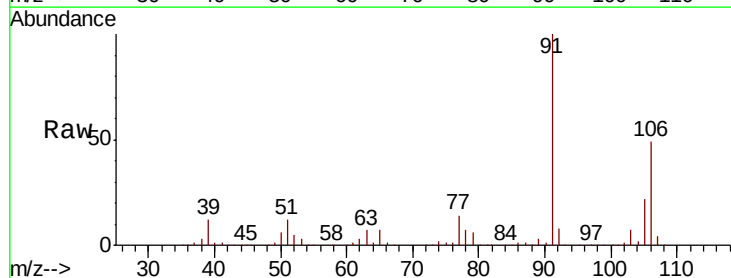
Manual Integrations
APPROVED

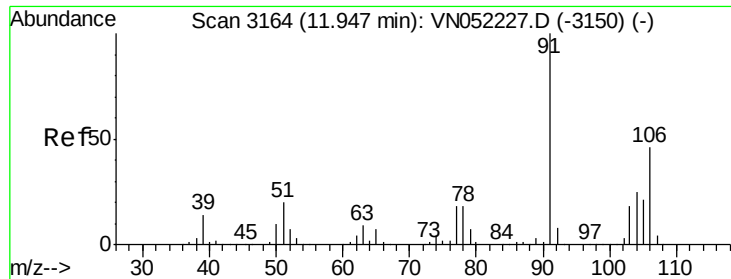
MMDadoda
11/12/2018 9:18:46 AM



#68
m/p-Xylenes
Concen: 201.274 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion: 106 Resp: 1251714
Ion Ratio Lower Upper
106 100
91 205.8 165.7 248.5





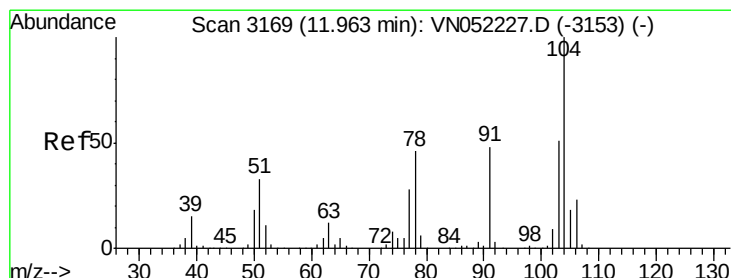
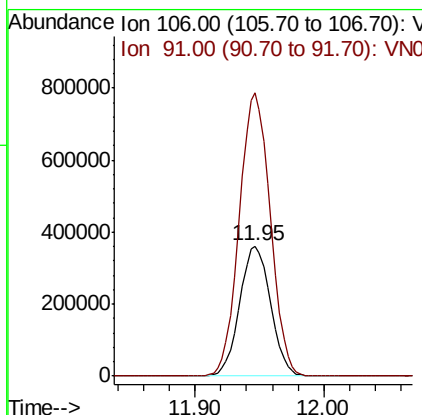
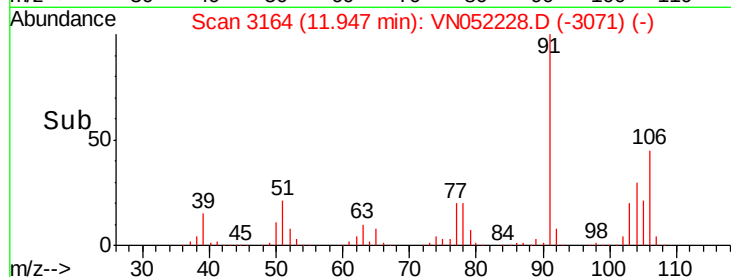
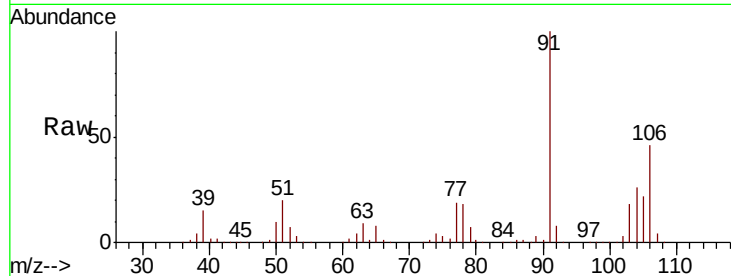
#69
o-Xylene
Concen: 101.565 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 603450
Ion Ratio Lower Upper
106 100
91 218.3 108.5 325.5

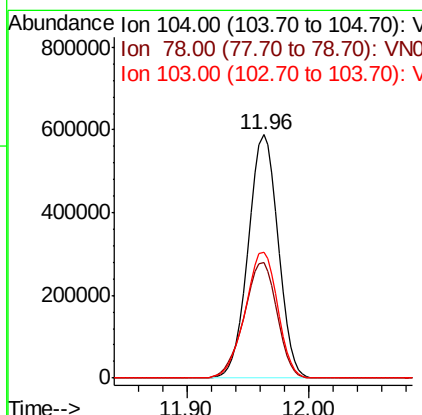
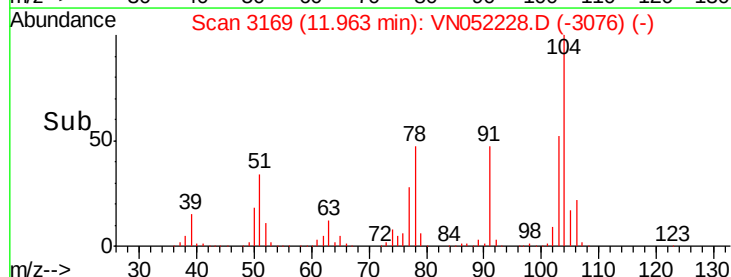
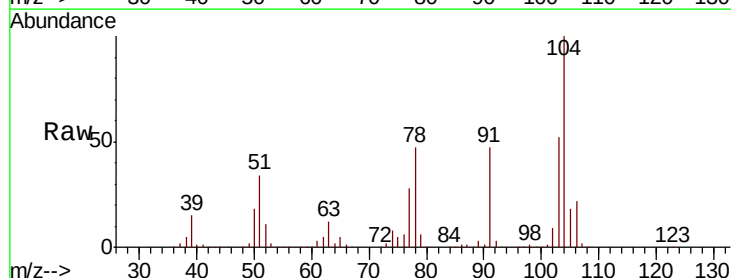
Manual Integrations
APPROVED

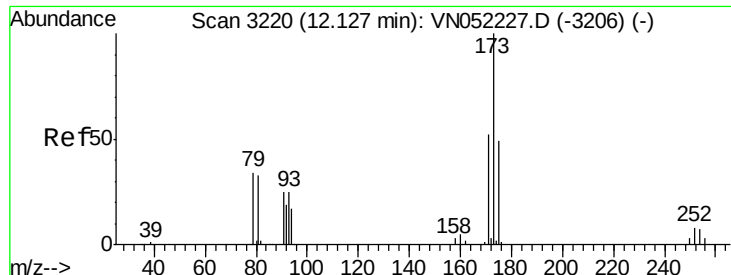
MMDadoda
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#70
Styrene
Concen: 102.997 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion:104 Resp: 988689
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.6
103 56.5 44.9 67.3





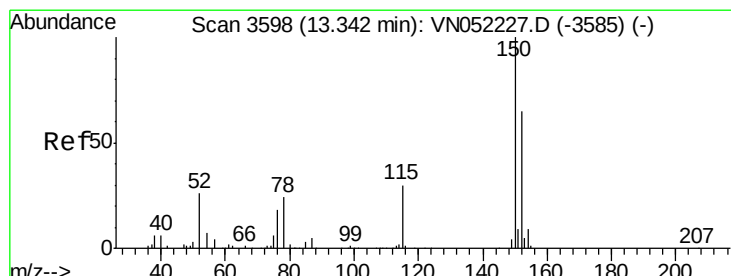
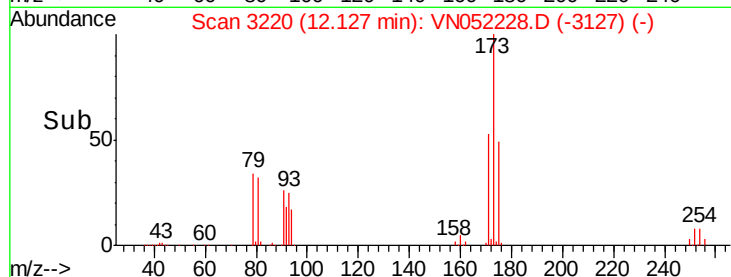
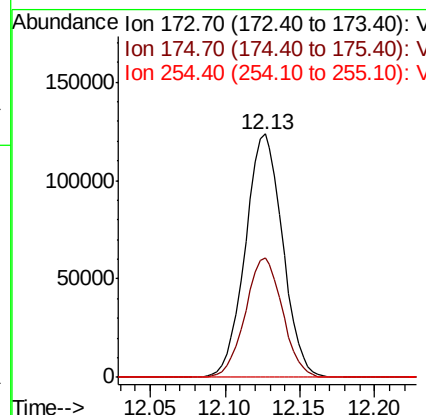
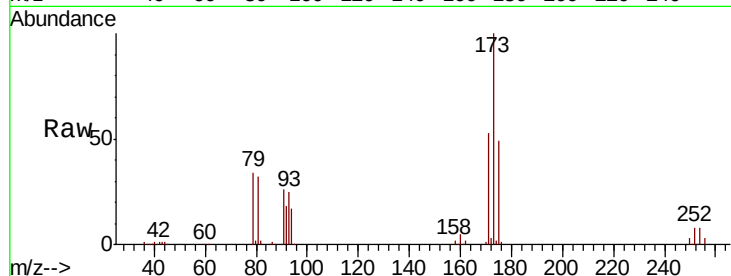
#71
Bromoform
Concen: 111.646 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.5	73.5
254	0.0	0.0	0.0

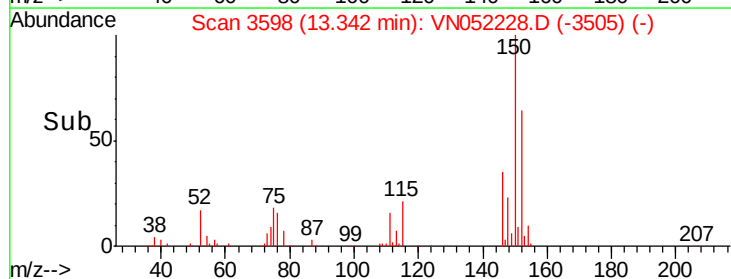
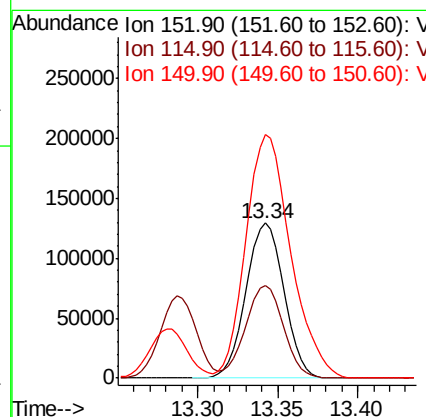
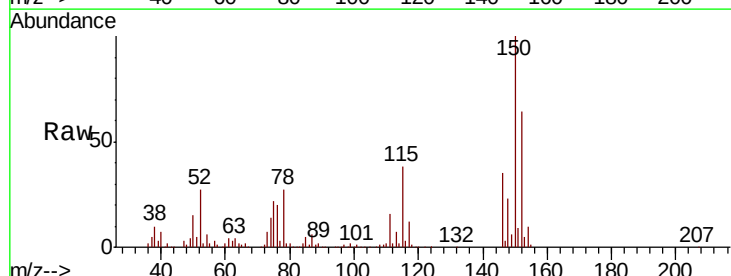
Manual Integrations
APPROVED

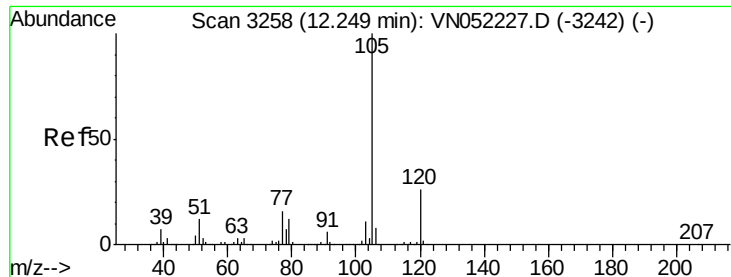
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.8	89.5
150	185.3	0.0	350.2





#73

Isopropylbenzene

Concen: 95.050 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1633411

Ion Ratio Lower Upper

105 100

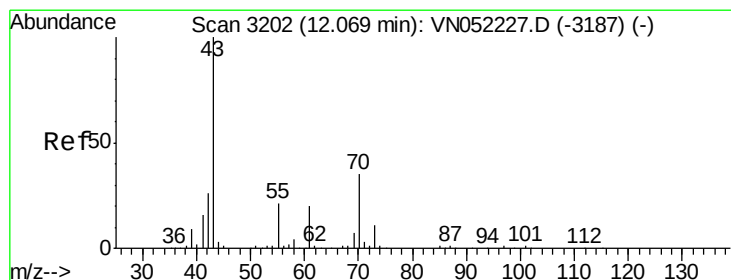
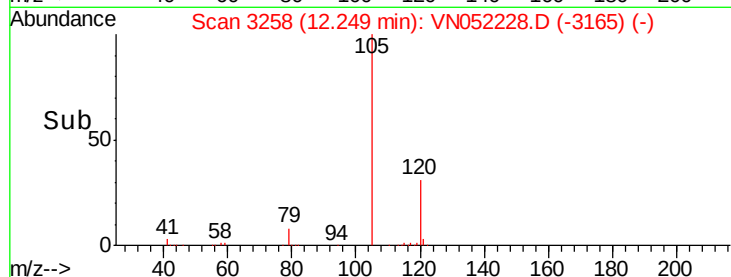
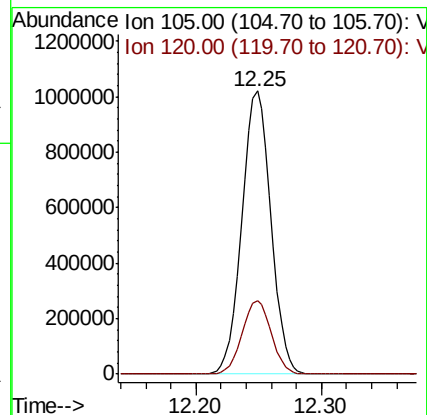
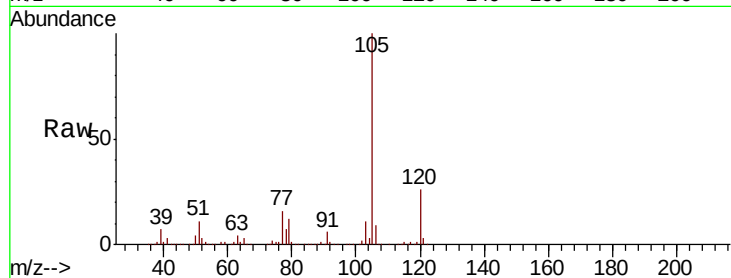
120 26.2 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:18:46 AM



#74

N-ethyl acetate

Concen: 103.273 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Tgt Ion: 43 Resp: 644296

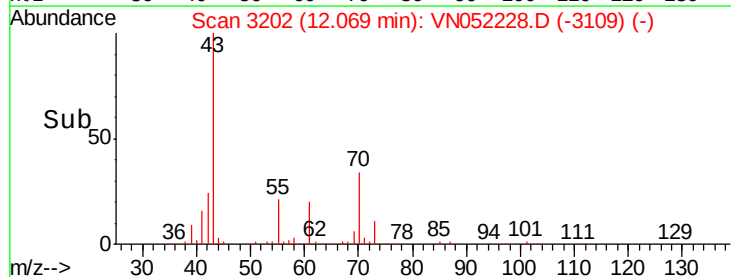
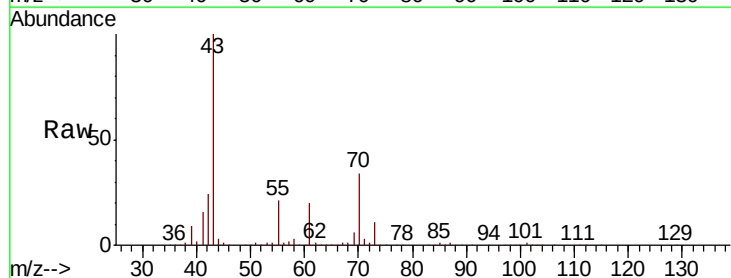
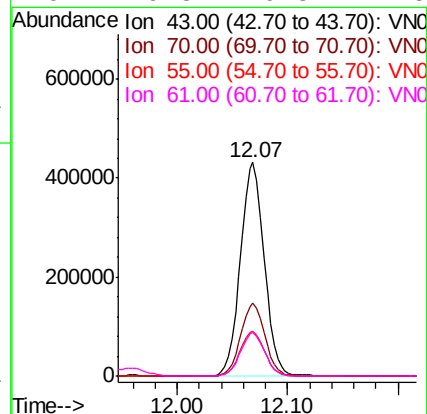
Ion Ratio Lower Upper

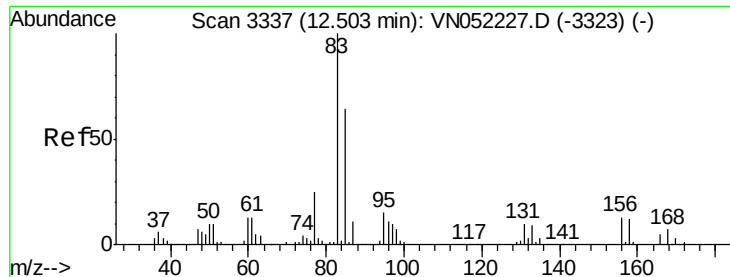
43 100

70 34.7 28.2 42.2

55 21.6 17.4 26.2

61 20.8 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 92.846 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

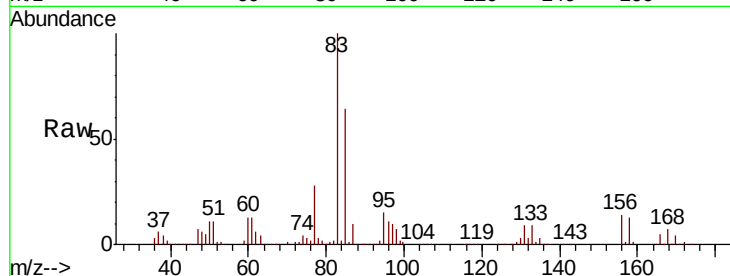
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	391150
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.2
85	64.0	32.4	97.2

Manual Integrations
APPROVED

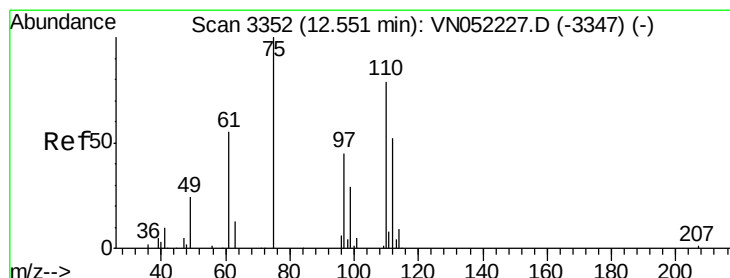
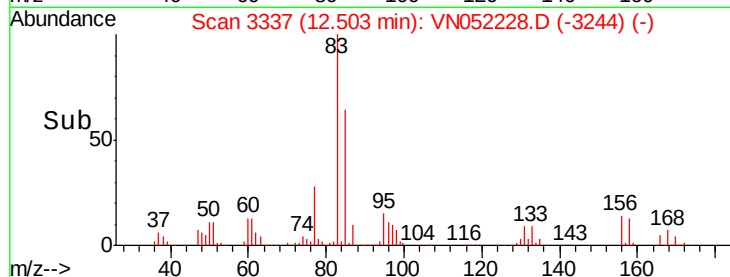
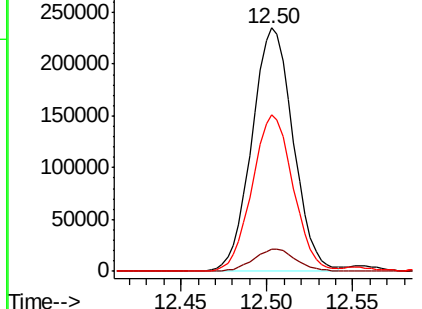
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN052228.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052228.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052228.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 105.664 ug/l m

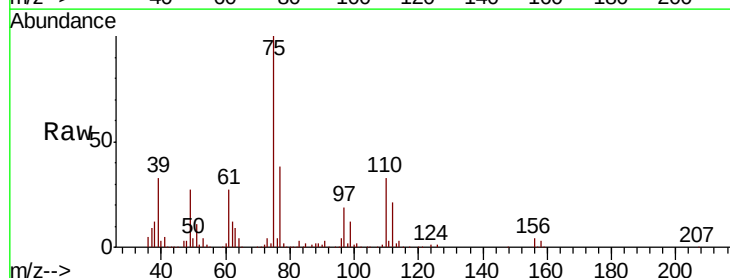
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052228.D

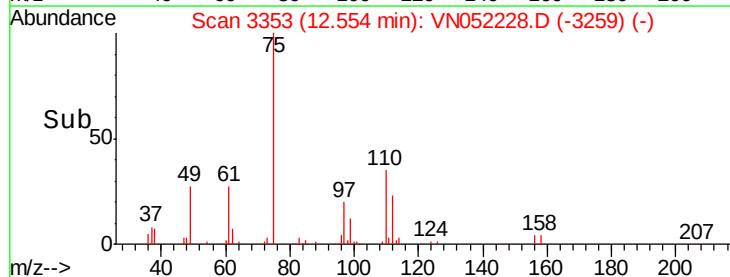
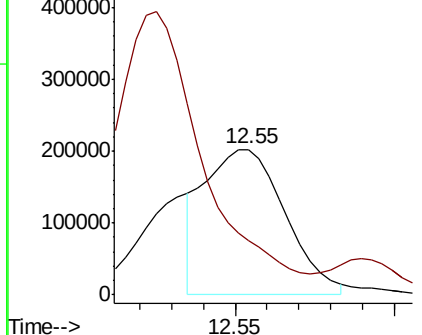
Acq: 9 Nov 2018 15:26

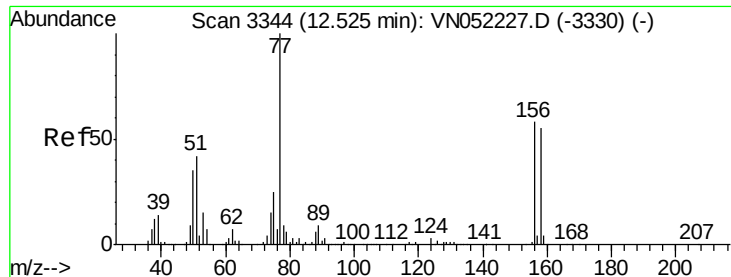
Tgt Ion:	75	Resp:	356360
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052228.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN052228.D (-3352) (-)





#77

Bromobenzene

Concen: 93.548 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

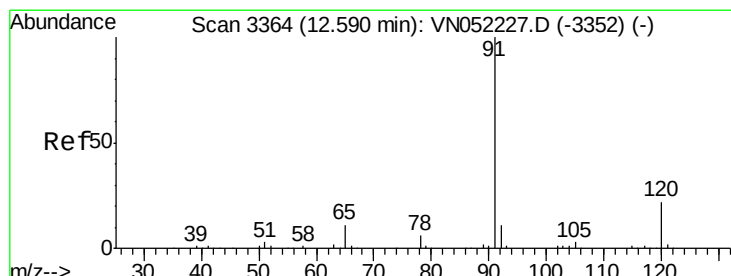
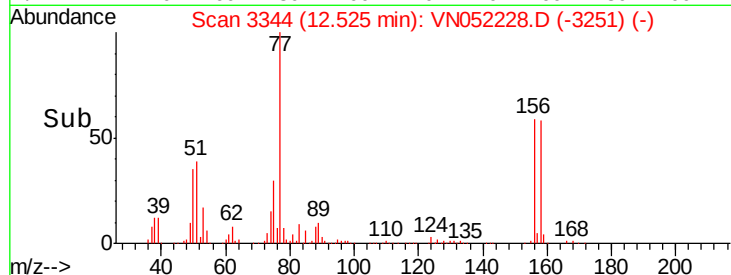
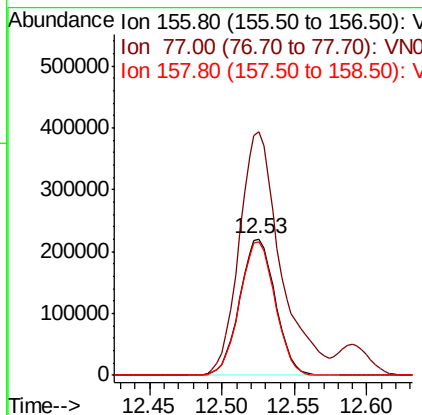
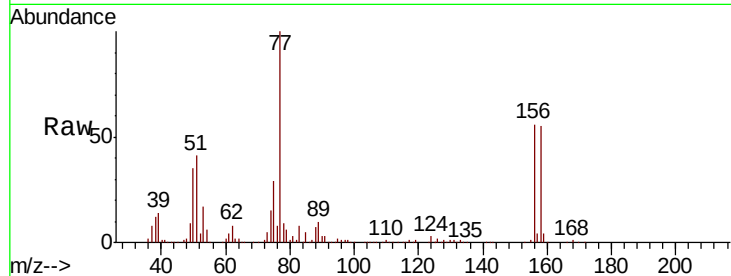
ClientSampled :

VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	207.4	101.1	303.3	
158	97.4	47.8	143.3	

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#78

n-propylbenzene

Concen: 96.641 ug/l

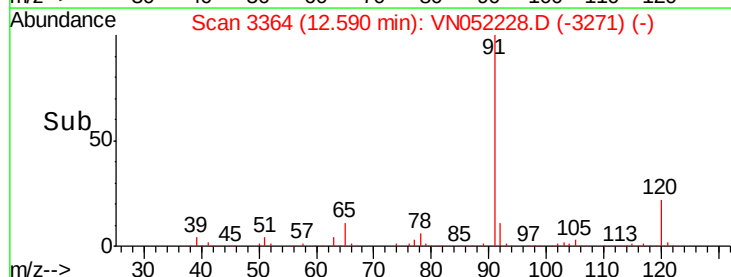
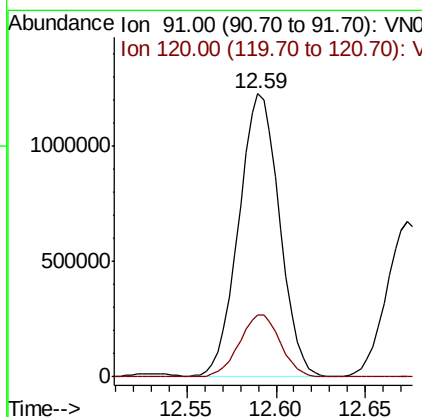
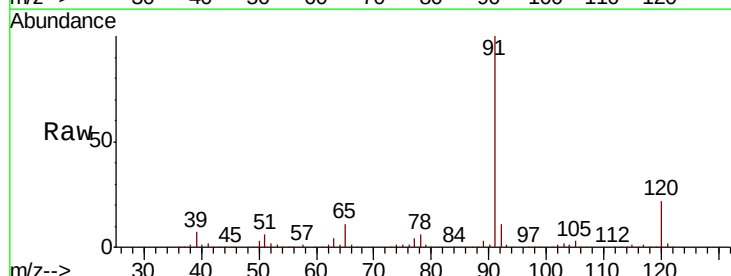
RT: 12.59 min Scan# 3364

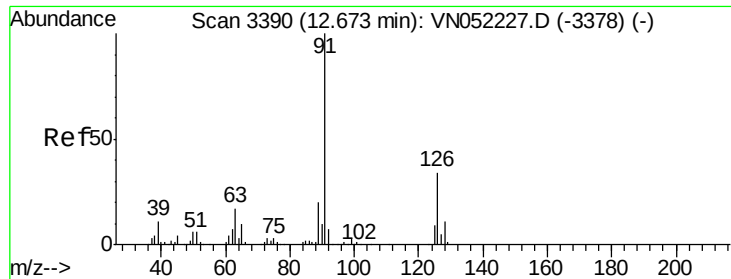
Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.3	33.8	





#79

2-Chlorotoluene

Concen: 94.614 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1103193

Ion Ratio Lower Upper

91 100

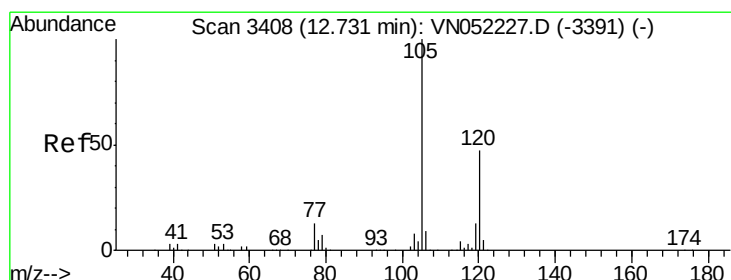
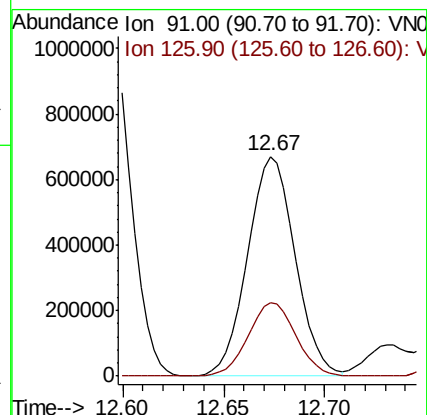
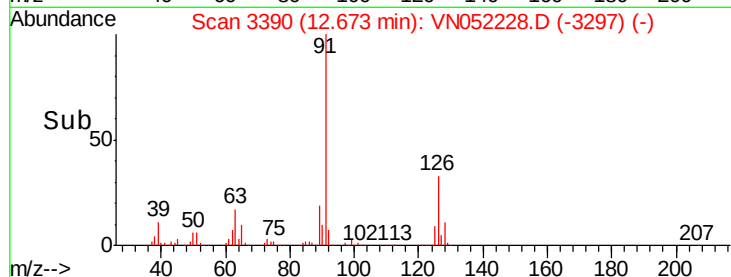
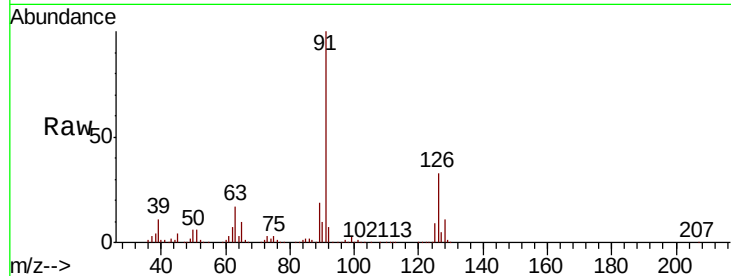
126 33.7 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 96.026 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052228.D

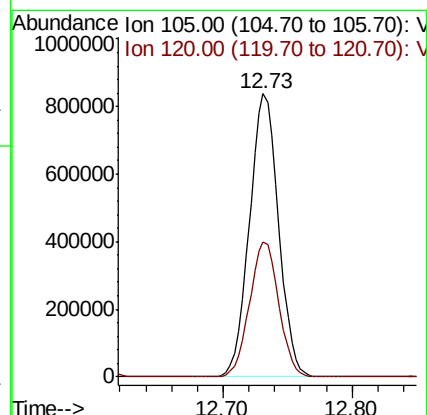
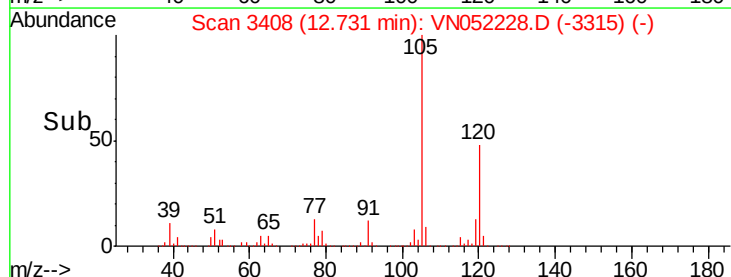
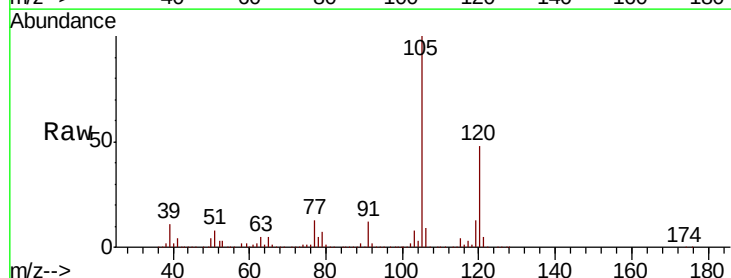
Acq: 9 Nov 2018 15:26

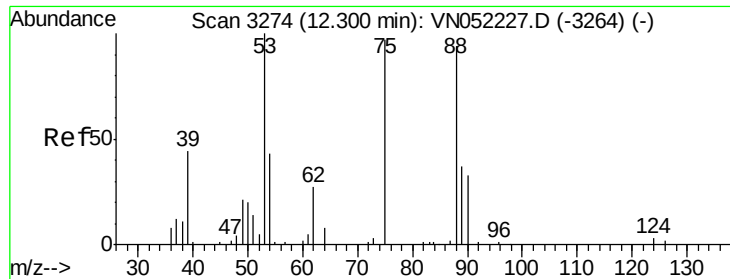
Tgt Ion: 105 Resp: 1312344

Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 113.125 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

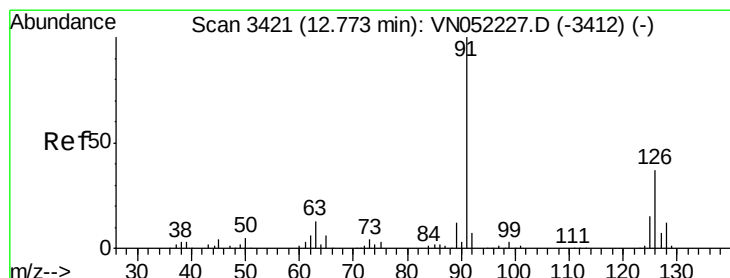
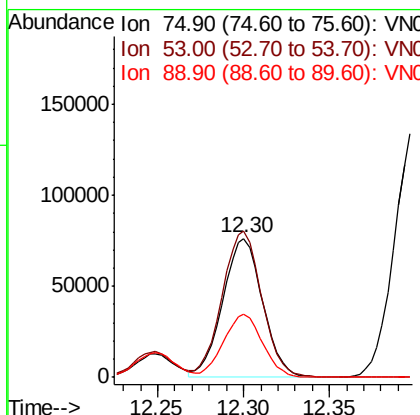
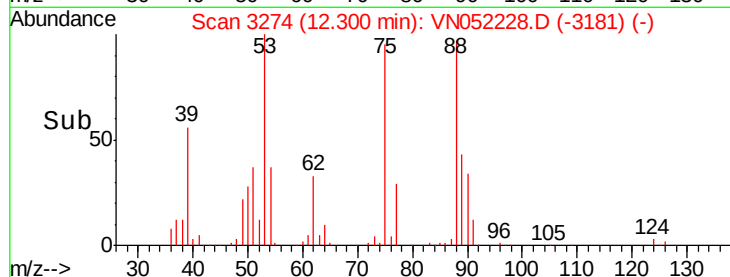
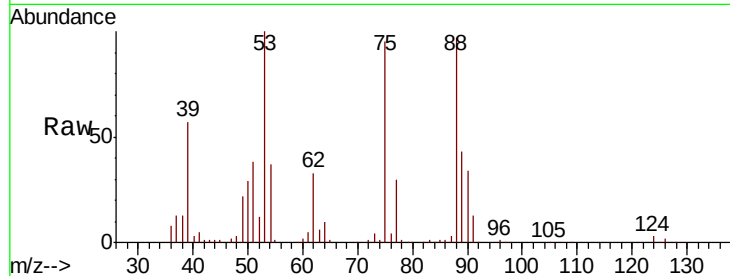
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	123263
Ion Ratio	Lower	Upper	
75	100		
53	104.7	84.0	126.0
89	44.3	33.7	50.5

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#82

4-Chlorotoluene

Concen: 97.181 ug/l

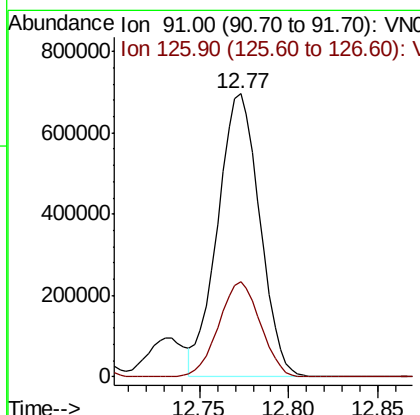
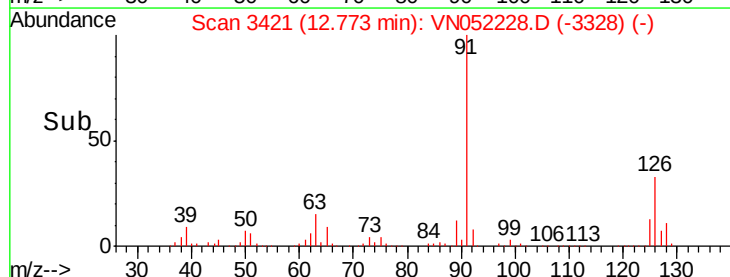
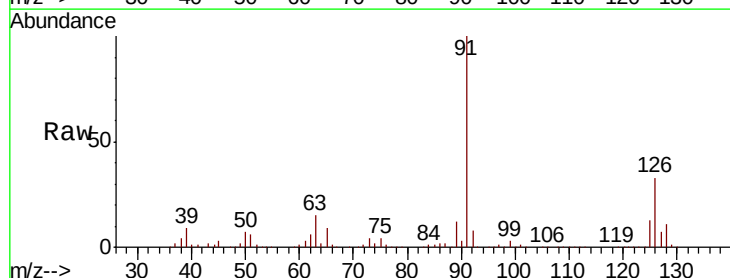
RT: 12.77 min Scan# 3421

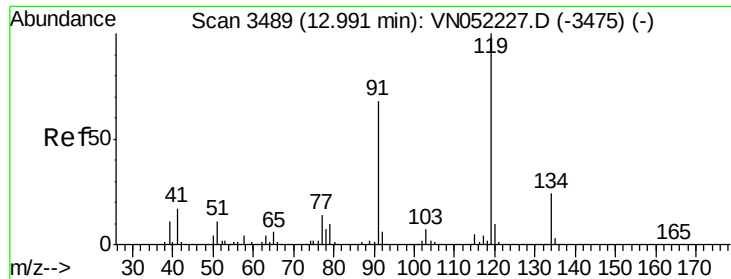
Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Tgt Ion:	91	Resp:	1136955
Ion Ratio	Lower	Upper	
91	100		
126	33.2	16.9	50.7





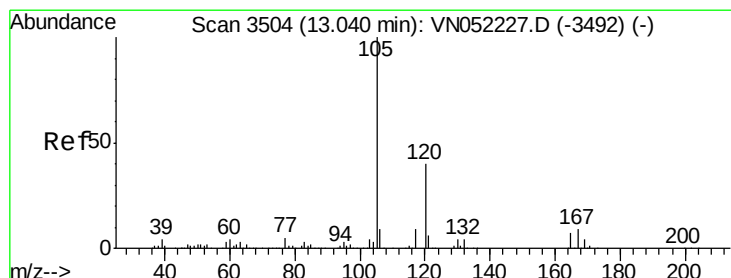
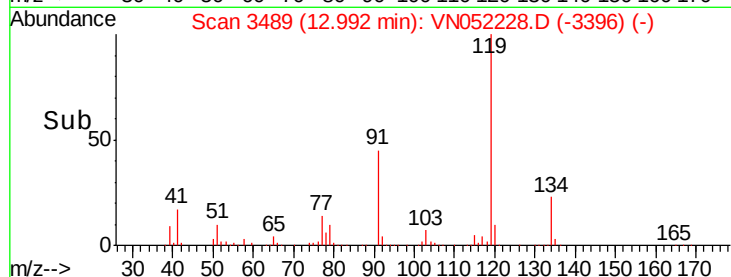
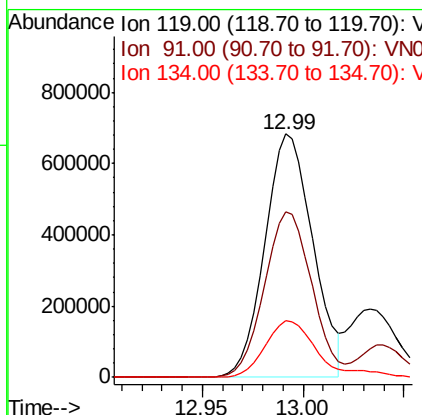
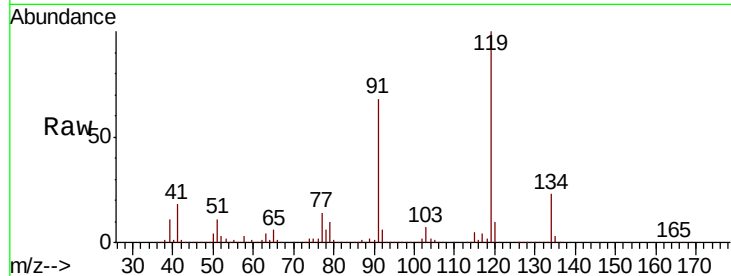
#83
 tert-Butylbenzene
 Concen: 94.792 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1131013
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.5 100.4
 134 25.6 13.0 38.9

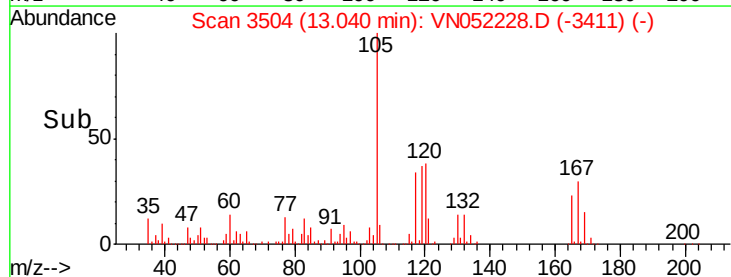
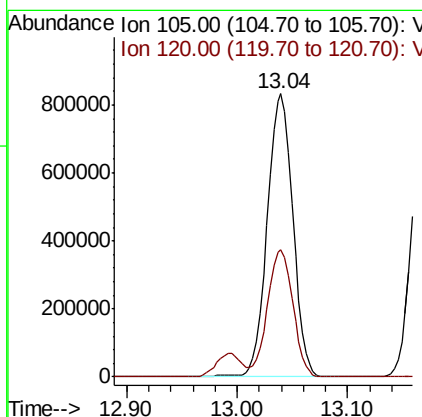
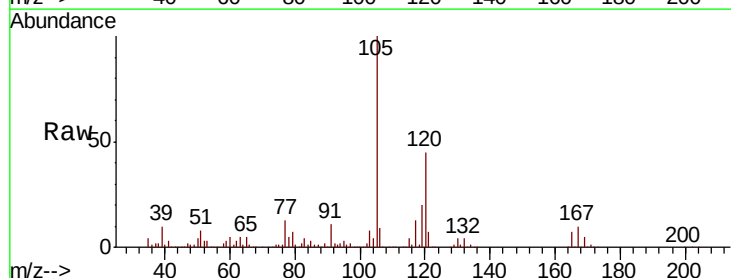
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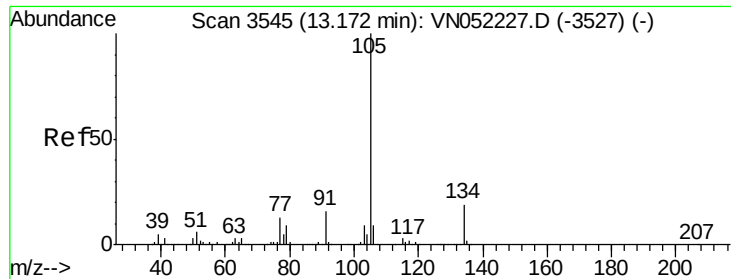
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.016 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion:105 Resp: 1336845
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.7 68.1





#85

sec-Butylbenzene

Concen: 97.141 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1589446

Ion Ratio Lower Upper

105 100

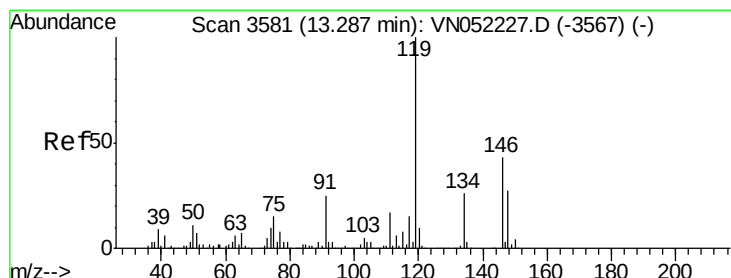
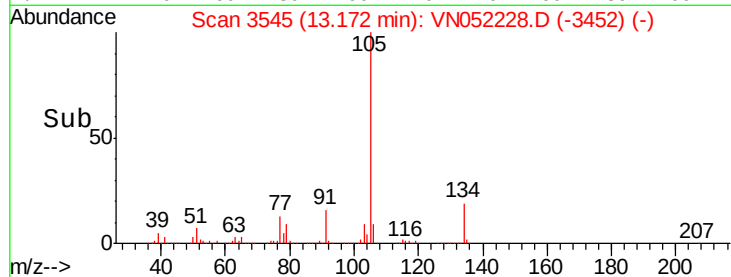
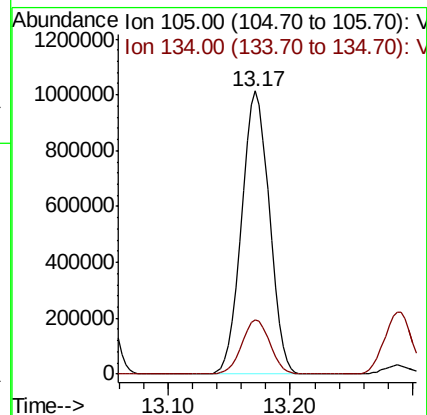
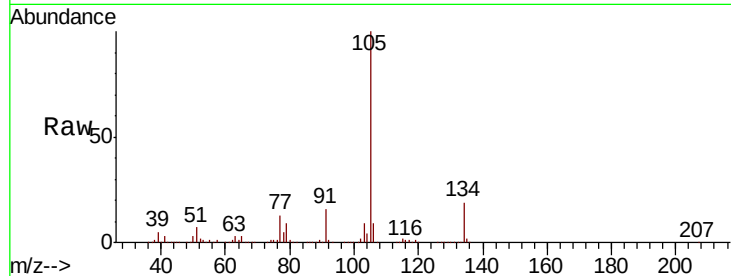
134 19.4 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 98.916 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052228.D

Acq: 9 Nov 2018 15:26

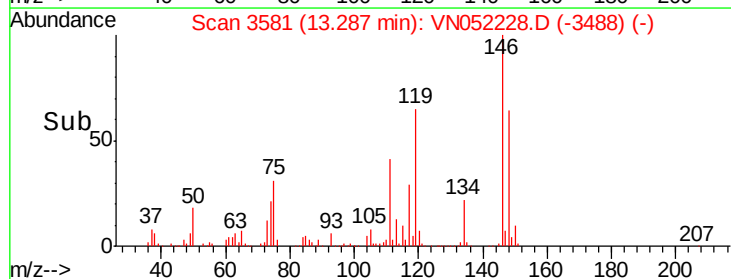
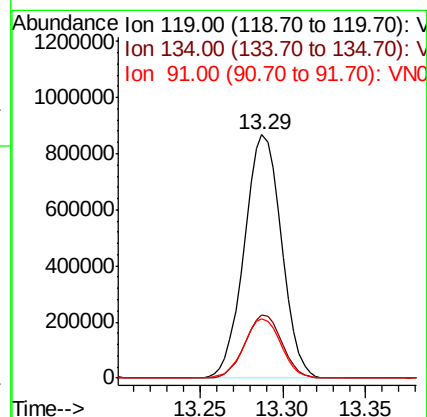
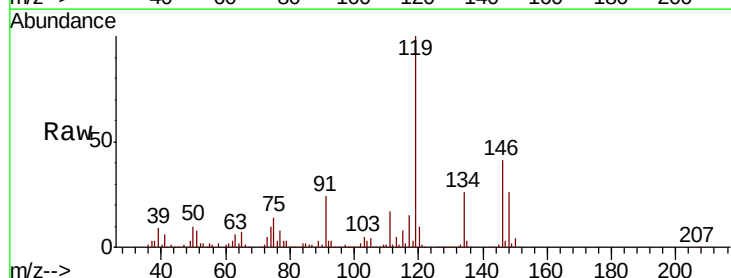
Tgt Ion:119 Resp: 1354028

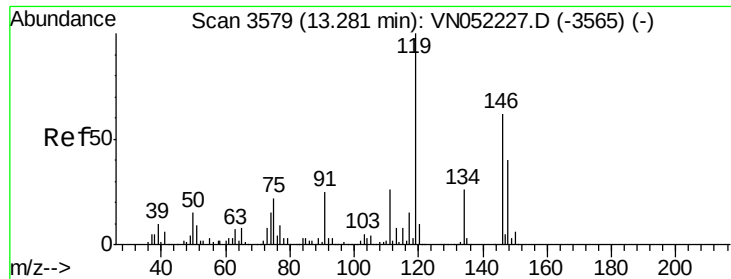
Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.6

91 24.3 12.4 37.0





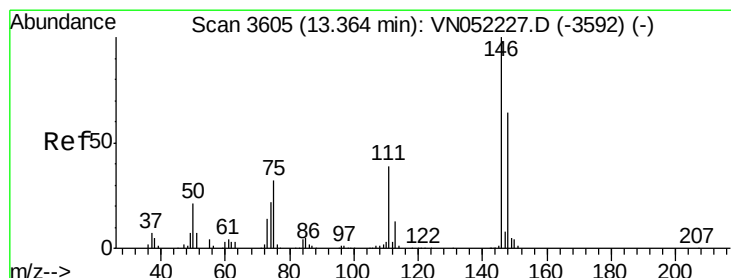
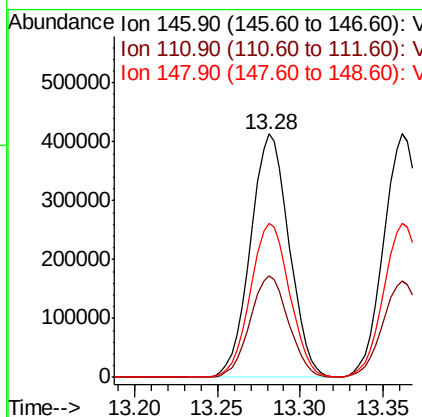
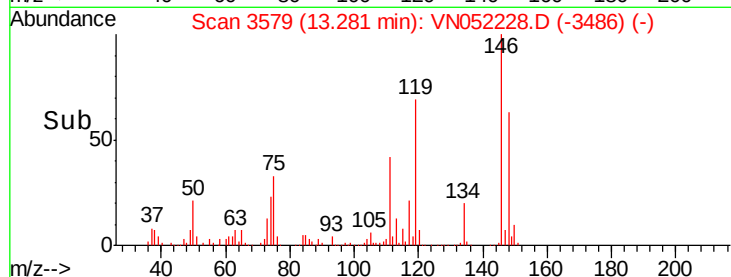
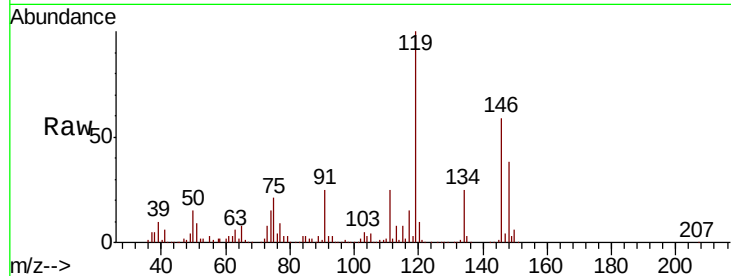
#87
 1,3-Dichlorobenzene
 Concen: 95.671 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.3
148	64.1	31.6	94.7

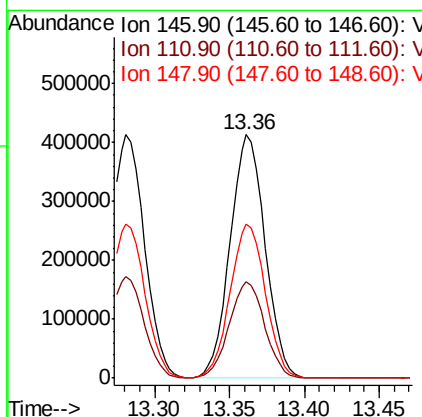
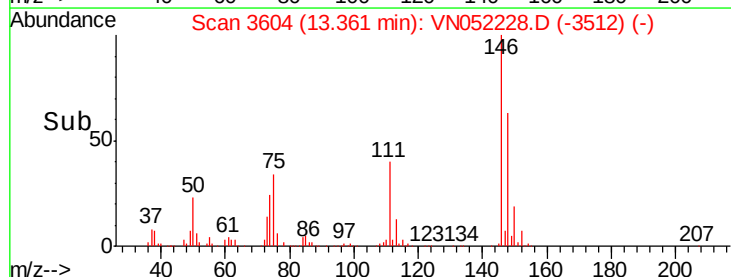
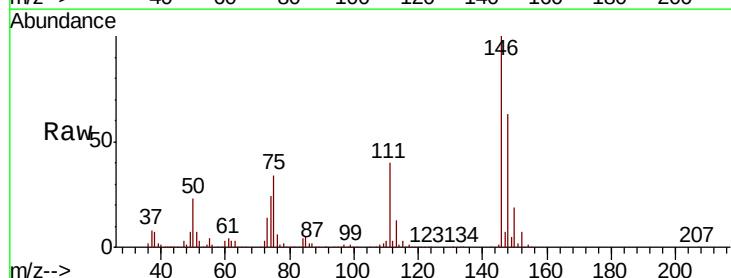
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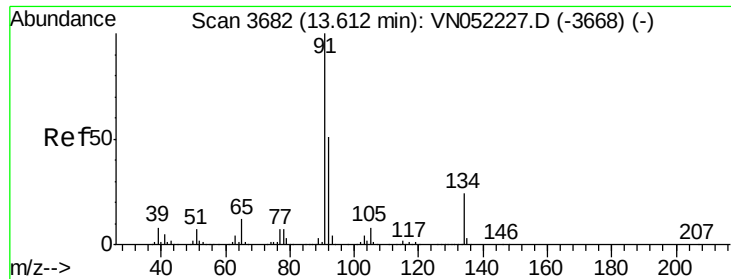
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#88
 1,4-Dichlorobenzene
 Concen: 95.949 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.6
148	64.1	32.1	96.3





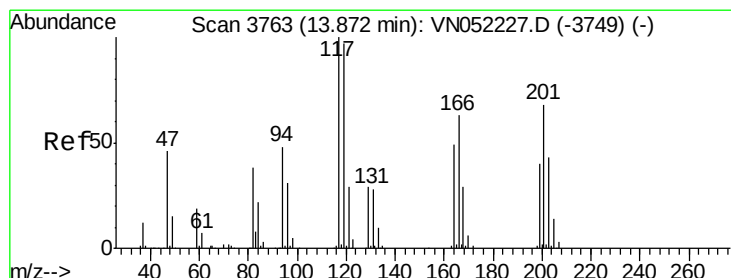
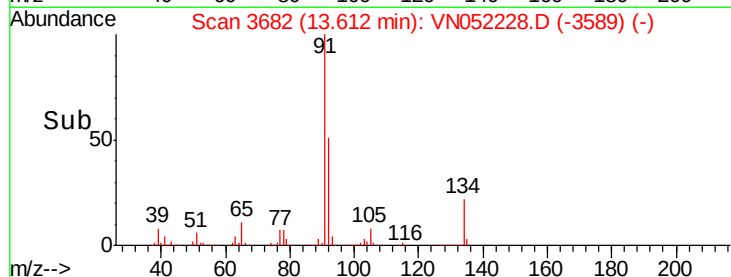
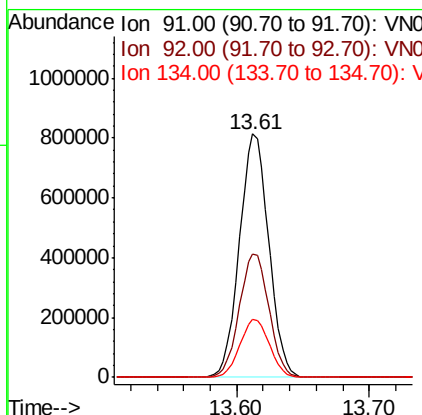
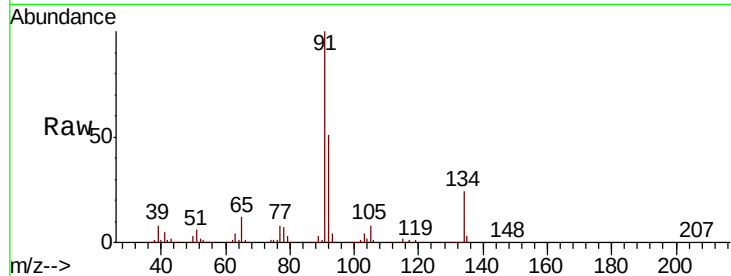
#89
n-Butylbenzene
Concen: 102.298 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 91 Resp: 1246910
Ion Ratio Lower Upper
91 100
92 51.4 25.1 75.3
134 24.1 12.0 36.1

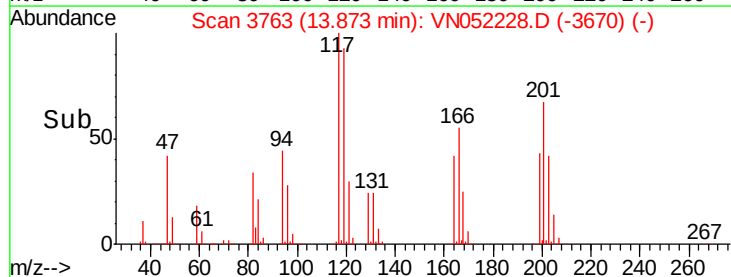
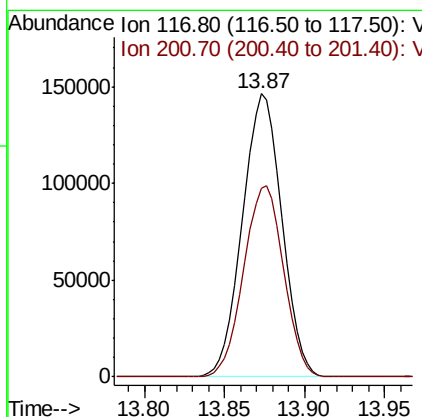
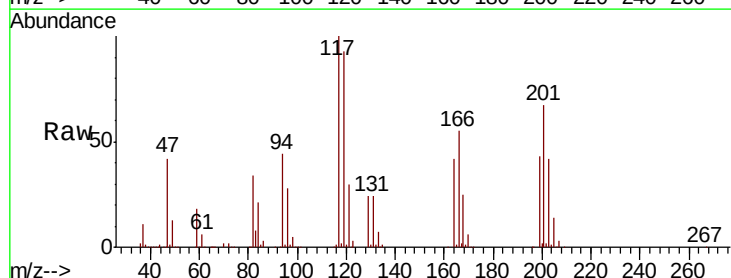
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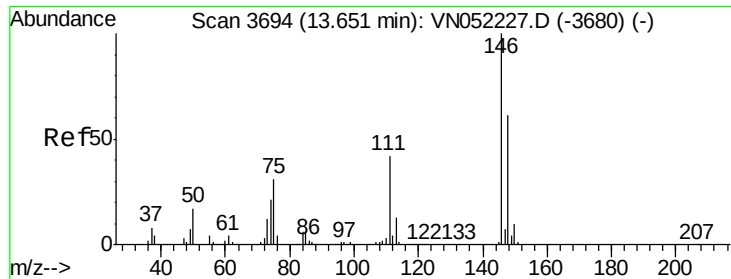
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#90
Hexachloroethane
Concen: 102.512 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion: 117 Resp: 246297
Ion Ratio Lower Upper
117 100
201 68.5 34.6 103.9





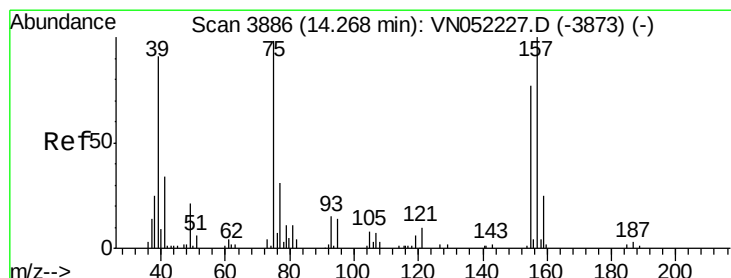
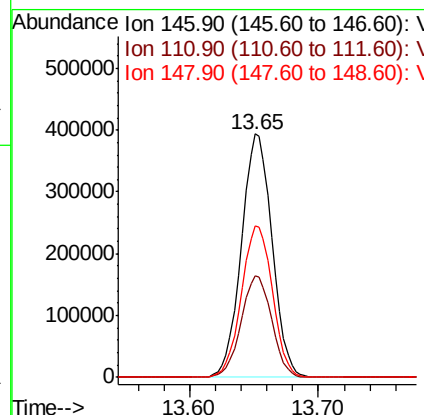
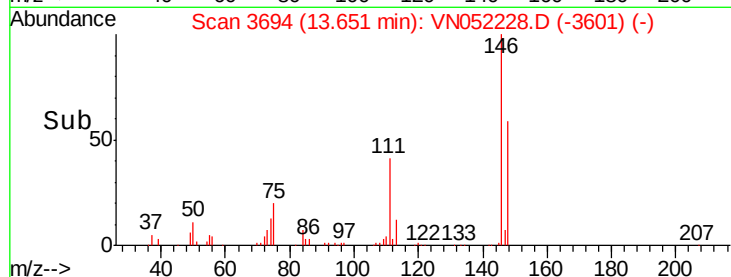
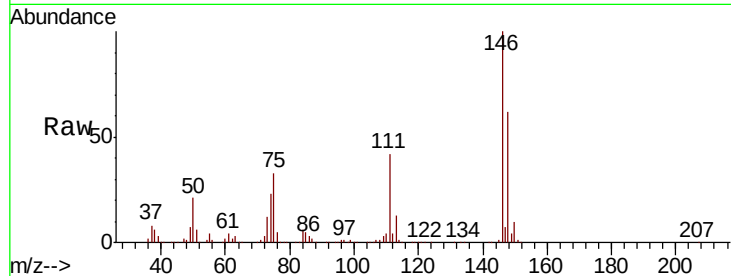
#91
 1,2-Dichlorobenzene
 Concen: 95.009 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.3
148	63.1	31.3	93.8

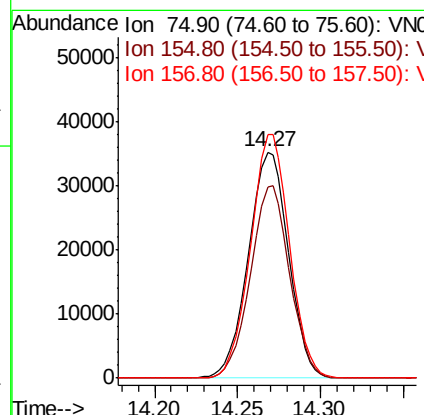
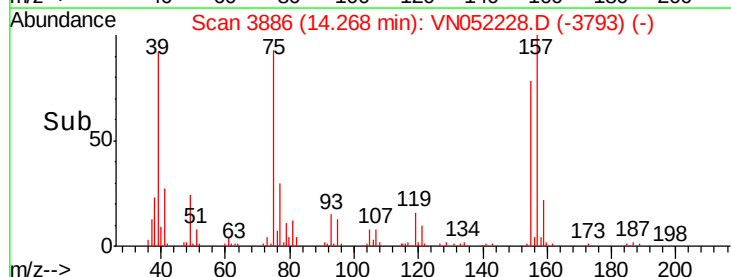
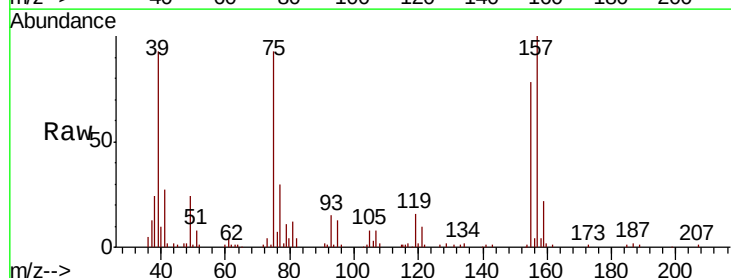
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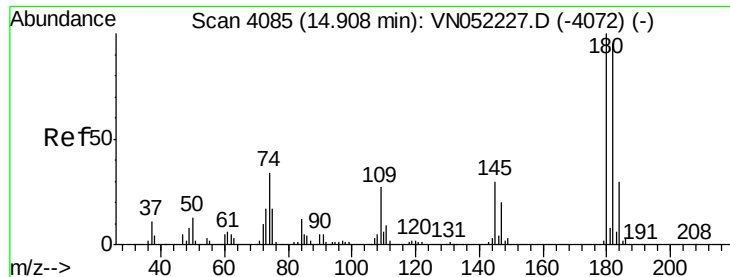
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.936 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052228.D
 Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	40.2	120.5
157	104.5	51.7	155.2





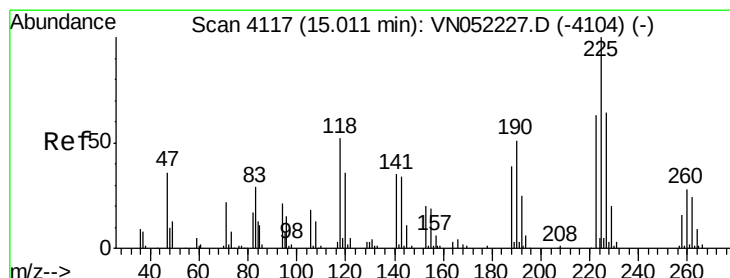
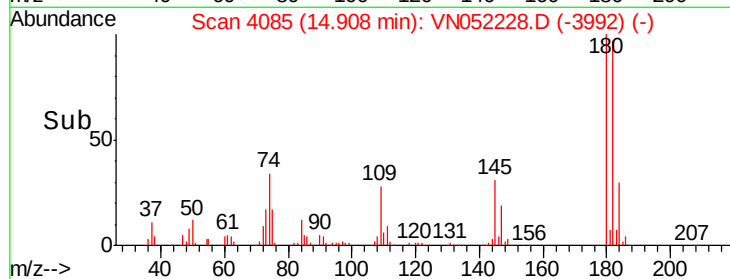
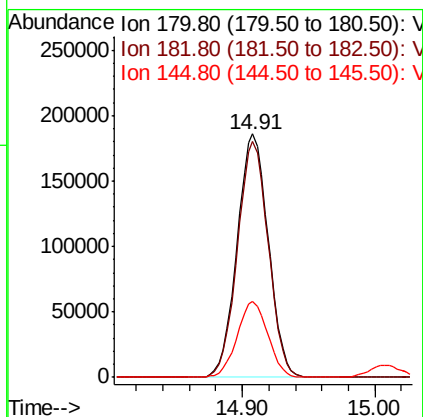
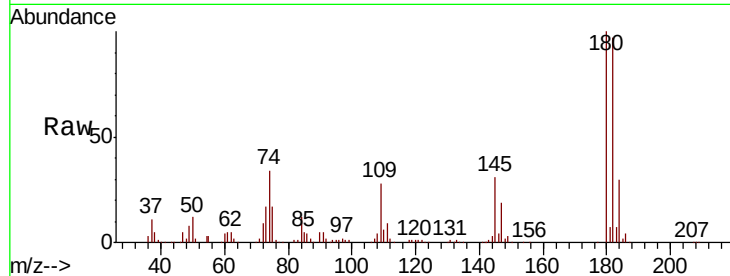
#93
1,2,4-Trichlorobenzene
Concen: 112.312 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	30.8	15.6	46.8

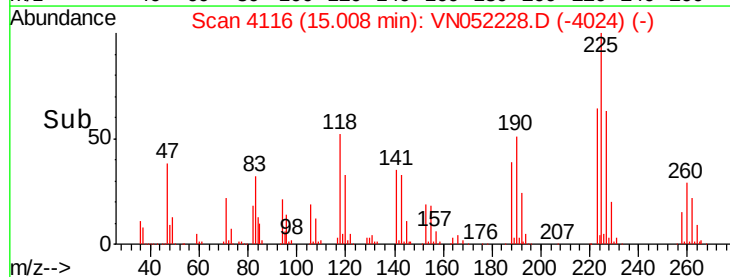
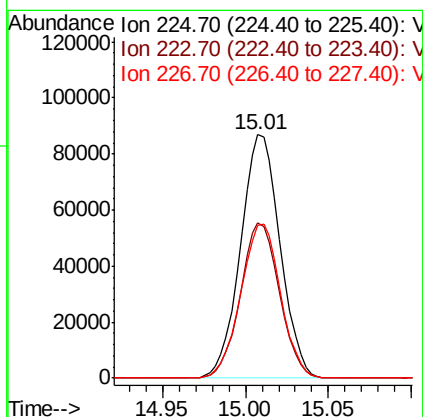
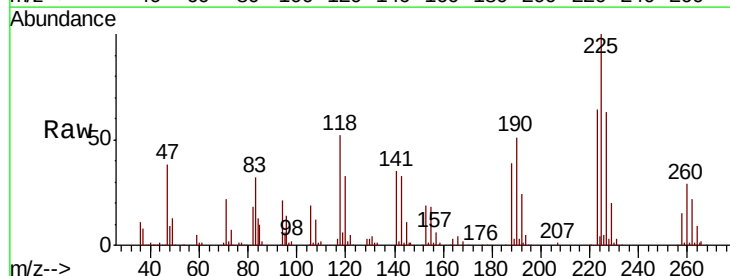
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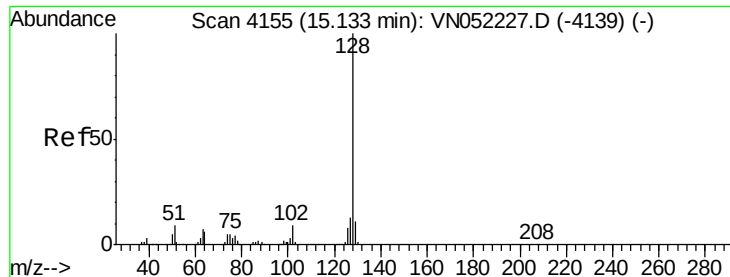
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#94
Hexachlorobutadiene
Concen: 98.014 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.3
227	63.4	31.8	95.4





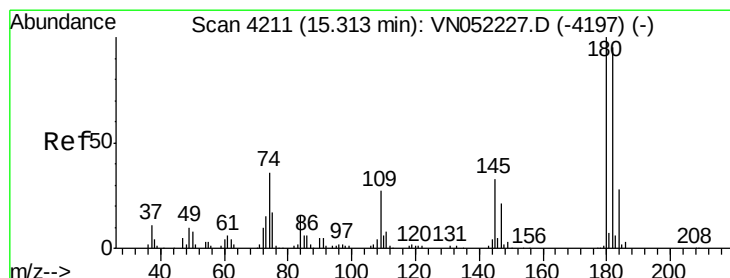
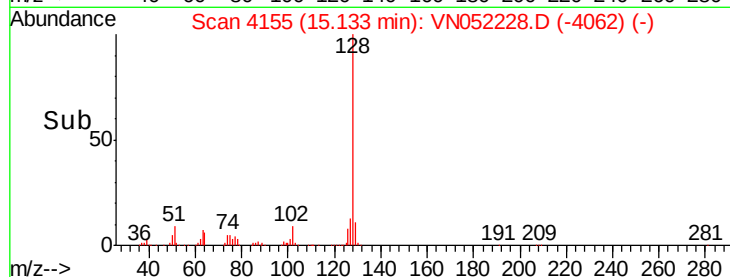
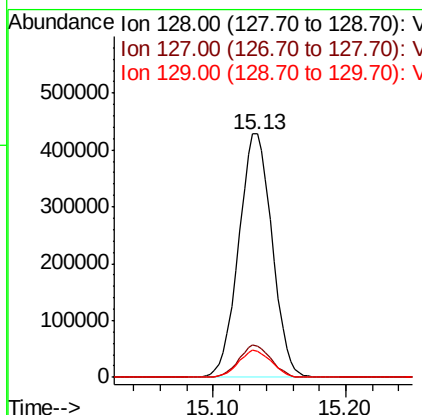
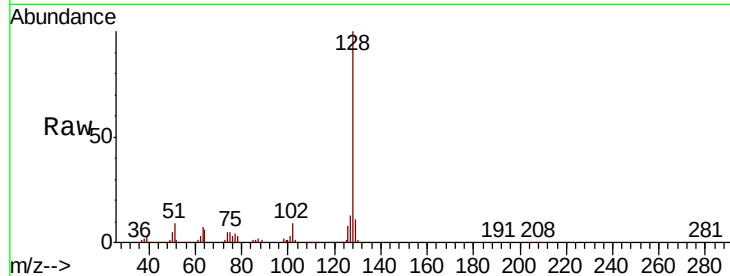
#95
Naphthalene
Concen: 112.382 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:18:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 105.998 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052228.D
Acq: 9 Nov 2018 15:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.7	143.1
145	32.9	16.8	50.3

