

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055751.D
 Acq On : 23 May 2019 14:03
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:24 AM

Quant Time: May 24 07:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	378782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	535656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	189750	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	170012	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.09	98	646926	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	225257	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116415	45.666	ug/l	100
3) Chloromethane	2.06	50	160930	45.057	ug/l	98
4) Vinyl Chloride	2.19	62	172788	45.356	ug/l	99
5) Bromomethane	2.54	94	119751m	50.245	ug/l	
6) Chloroethane	2.69	64	107911	47.048	ug/l	99
7) Trichlorofluoromethane	3.01	101	233894	46.830	ug/l	99
8) Diethyl Ether	3.40	74	103201	46.102	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	150211	48.180	ug/l	99
10) Methyl Iodide	3.94	142	221959	48.695	ug/l	100
11) Tert butyl alcohol	4.81	59	180194	241.092	ug/l	100
12) 1,1-Dichloroethene	3.72	96	149942	46.545	ug/l	98
13) Acrolein	3.60	56	118535	221.488	ug/l	98
14) Allyl chloride	4.31	41	260145	47.107	ug/l	100
15) Acrylonitrile	4.99	53	398600	232.252	ug/l	100
16) Acetone	3.82	43	414650	241.142	ug/l	98
17) Carbon Disulfide	4.04	76	413491	45.178	ug/l	99
18) Methyl Acetate	4.33	43	166042	47.433	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	498693	46.416	ug/l	99
20) Methylene Chloride	4.55	84	168079	45.135	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	161035	46.530	ug/l	97
22) Diisopropyl ether	5.96	45	497882	46.353	ug/l	98
23) Vinyl Acetate	5.90	43	2174063	236.075	ug/l	100
24) 1,1-Dichloroethane	5.84	63	287225	45.928	ug/l	99
25) 2-Butanone	6.84	43	569506	237.151	ug/l	99
26) 2,2-Dichloropropane	6.82	77	256901	47.466	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	188883	46.780	ug/l	99
28) Bromochloromethane	7.19	49	142802	47.960	ug/l	100
29) Tetrahydrofuran	7.22	42	349650	229.916	ug/l	99
30) Chloroform	7.37	83	291399	46.723	ug/l	100
31) Cyclohexane	7.65	56	271181	46.187	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	260832	46.866	ug/l	99
36) 1,1-Dichloropropene	7.79	75	222527	47.671	ug/l	100
37) Ethyl Acetate	6.93	43	217835	48.283	ug/l	99
38) Carbon Tetrachloride	7.77	117	228494	46.992	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287502	49.736	ug/l	99
40) Benzene	8.04	78	672305	47.788	ug/l	100
41) Methacrylonitrile	7.18	41	95359	41.837	ug/l	89
42) 1,2-Dichloroethane	8.12	62	218955	47.629	ug/l	99
43) Isopropyl Acetate	8.17	43	356815	47.071	ug/l #	92
44) Trichloroethene	8.83	130	194679	49.637	ug/l	100
45) 1,2-Dichloropropane	9.12	63	175536	47.889	ug/l	99
46) Dibromomethane	9.21	93	116627	48.517	ug/l	98
47) Bromodichloromethane	9.40	83	236134	47.906	ug/l	99
48) Methyl methacrylate	9.20	41	174254	49.878	ug/l	99
49) 1,4-Dioxane	9.20	88	72025	992.082	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1067504	238.444	ug/l	99
52) Toluene	10.16	92	430270	48.629	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	261566	49.713	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	286905	49.223	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	170150	48.002	ug/l	99
56) Ethyl methacrylate	10.43	69	267992	48.920	ug/l	99
57) 1,3-Dichloropropane	10.71	76	276870	48.053	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	512053	244.589	ug/l	100
59) 2-Hexanone	10.75	43	782065	246.243	ug/l	100
60) Dibromochloromethane	10.90	129	202939	49.146	ug/l	99
61) 1,2-Dibromoethane	11.00	107	178787	48.627	ug/l	98
64) Tetrachloroethene	10.63	164	192838	48.168	ug/l	97
65) Chlorobenzene	11.43	112	462904	48.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	181536	47.900	ug/l	99
67) Ethyl Benzene	11.51	91	825782	48.460	ug/l	99
68) m/p-Xylenes	11.62	106	633750	98.376	ug/l	99
69) o-Xylene	11.95	106	311004	48.660	ug/l	99
70) Styrene	11.96	104	520569	50.295	ug/l	100
71) Bromoform	12.13	173	161696	50.020	ug/l #	100
73) Isopropylbenzene	12.25	105	819839	51.288	ug/l	100
74) N-amyl acetate	12.07	43	299540	49.118	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237965	50.210	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195019m	50.355	ug/l	
77) Bromobenzene	12.53	156	213208	44.402	ug/l	99
78) n-propylbenzene	12.59	91	882018	45.099	ug/l	100
79) 2-Chlorotoluene	12.67	91	528535	50.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	673779	50.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	77631	46.418	ug/l	99
82) 4-Chlorotoluene	12.77	91	523536	45.540	ug/l	99
83) tert-Butylbenzene	12.99	119	590375	50.737	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	671392	49.909	ug/l	99
85) sec-Butylbenzene	13.17	105	778026	51.429	ug/l	100
86) p-Isopropyltoluene	13.29	119	721099	46.145	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	362286	47.649	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	350436	48.478	ug/l	99
89) n-Butylbenzene	13.61	91	582104	48.617	ug/l	100
90) Hexachloroethane	13.87	117	133884	45.012	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350313	46.181	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44323	44.455	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209351	48.116	ug/l	99
94) Hexachlorobutadiene	15.01	225	146035	54.881	ug/l	98
95) Naphthalene	15.13	128	533310	51.234	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	211998	52.869	ug/l	100

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

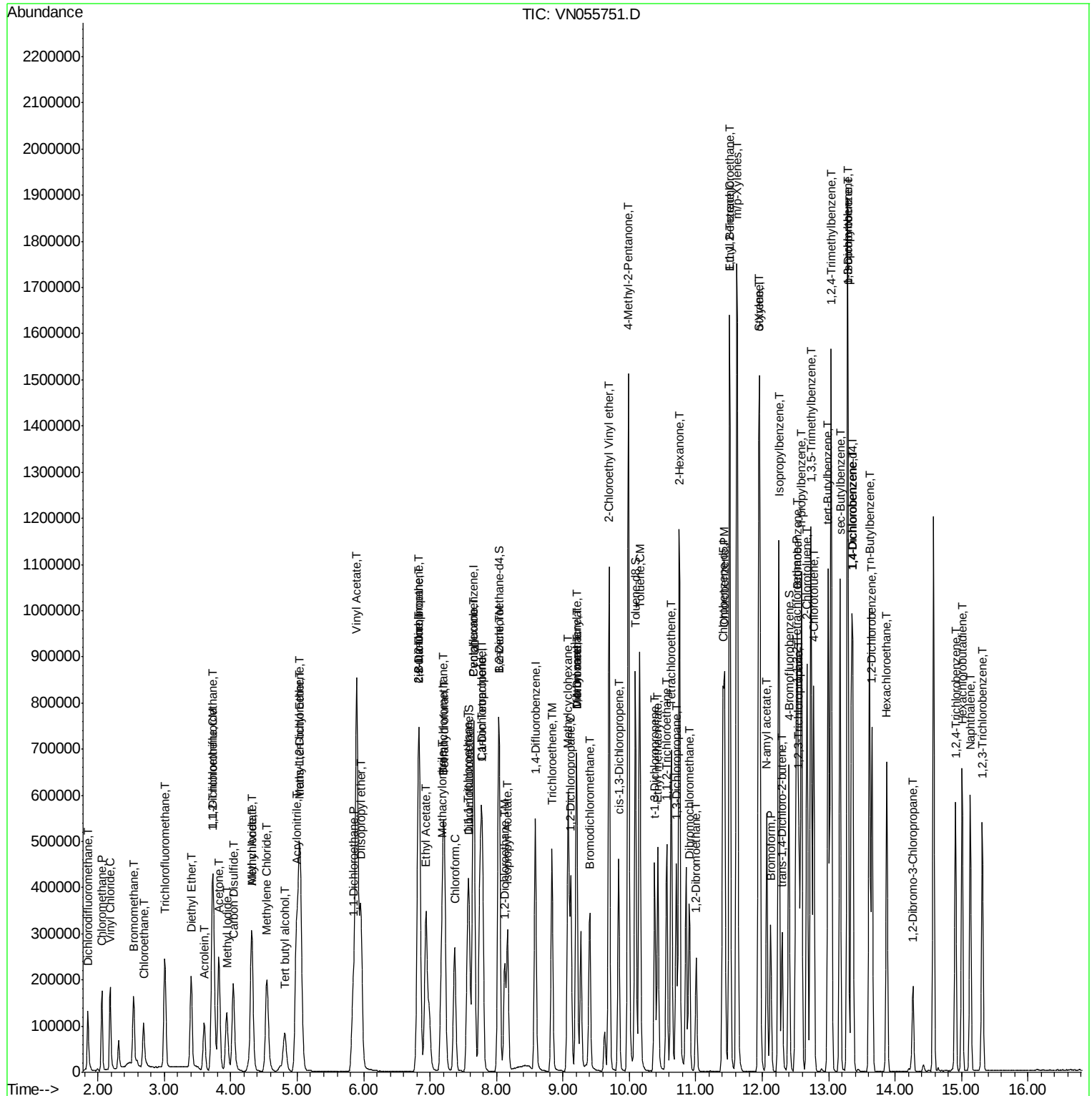
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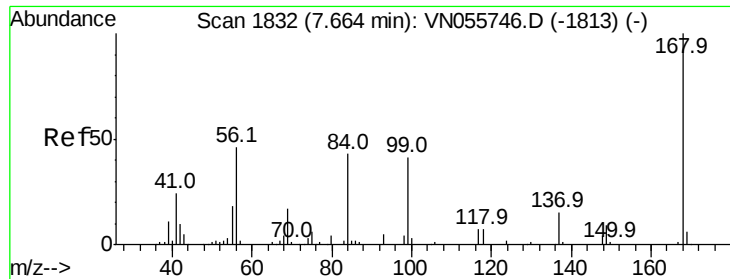
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICV052319

Tot Ion:168 Resp: 378782

Ion Ratio Lower Upper

168 100

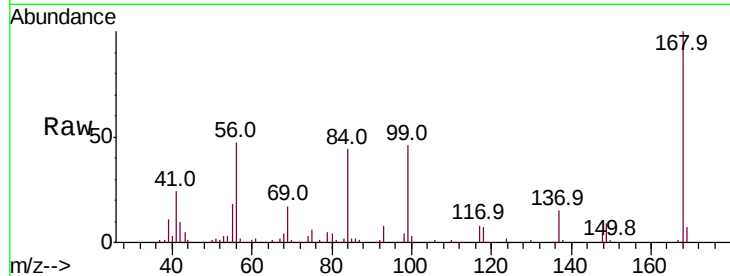
99 45.7 37.2 55.8

Manual Integrations

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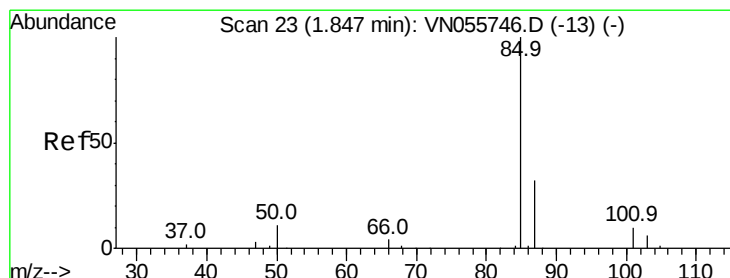
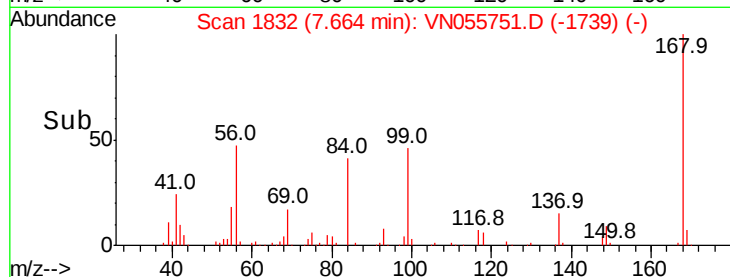
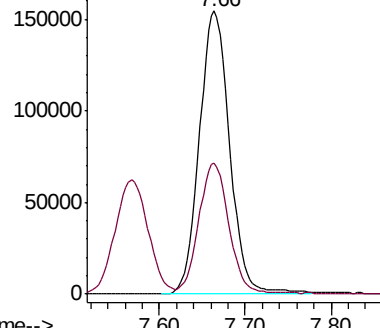
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.666 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055751.D

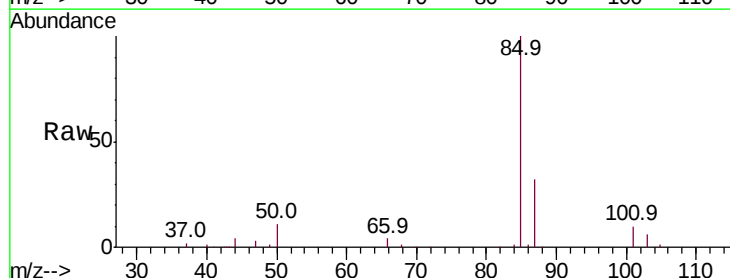
Acq: 23 May 2019 14:03

Tgt Ion: 85 Resp: 116415

Ion Ratio Lower Upper

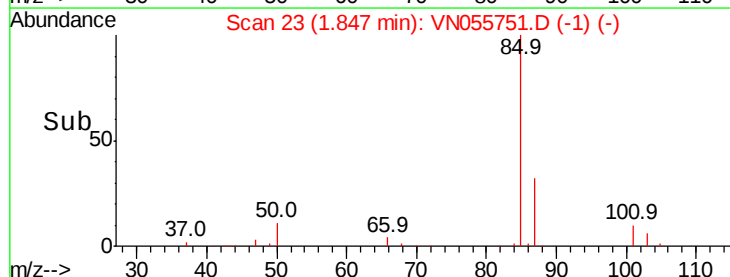
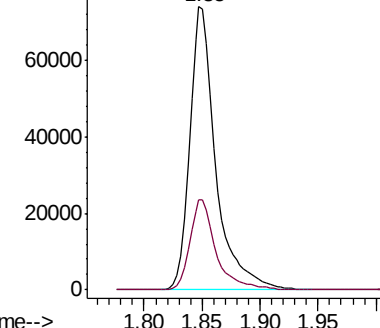
85 100

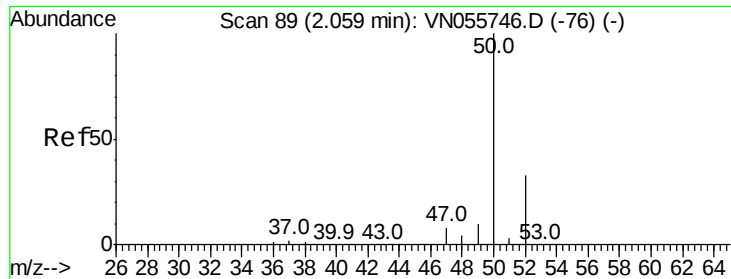
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.057 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 50 Resp: 160930

Ion Ratio Lower Upper

50 100

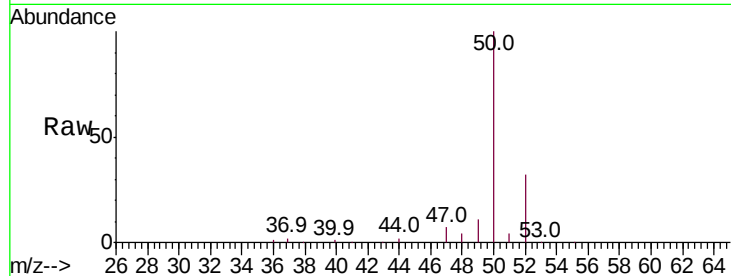
52 32.3 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

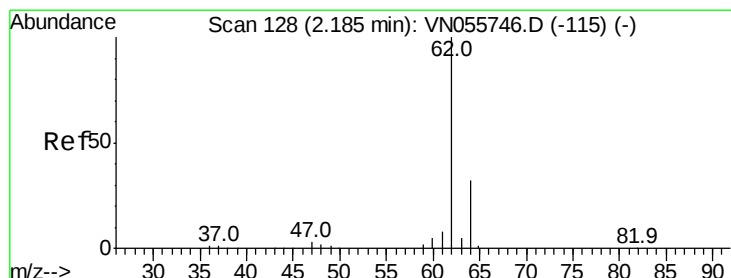
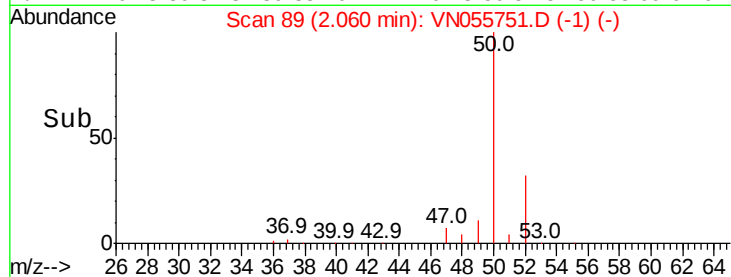
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.356 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055751.D

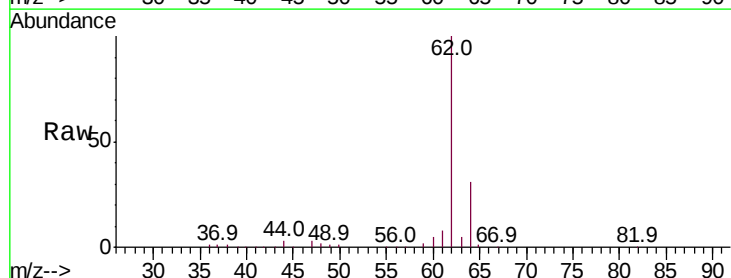
Acq: 23 May 2019 14:03

Tgt Ion: 62 Resp: 172788

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

120000

100000

80000

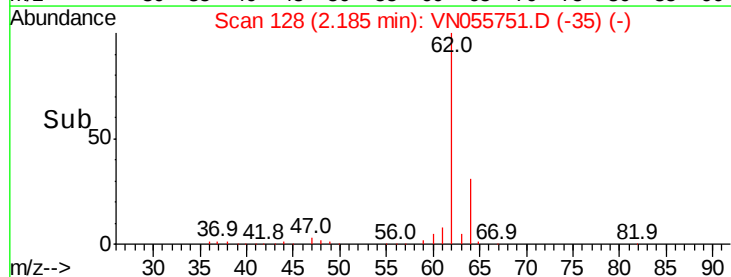
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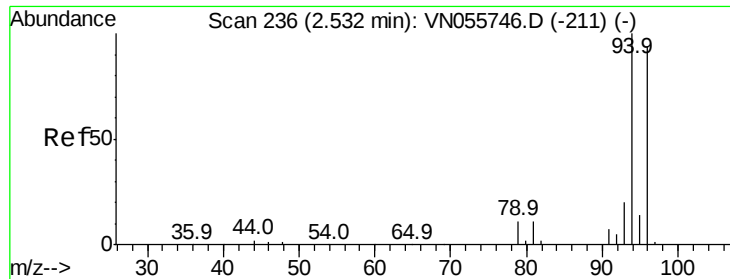
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Time-->





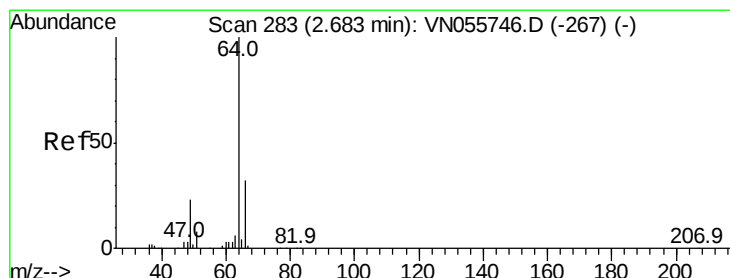
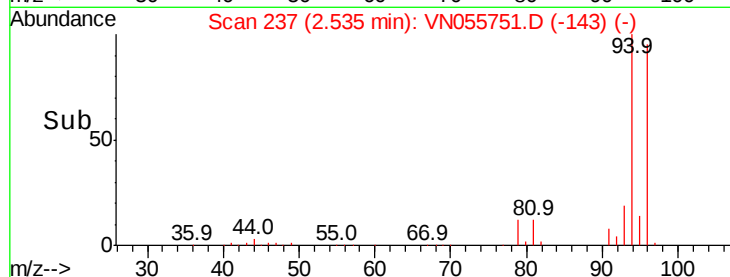
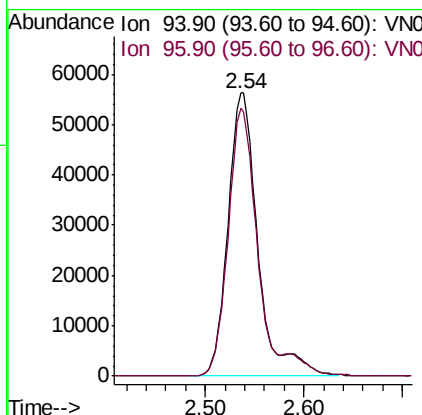
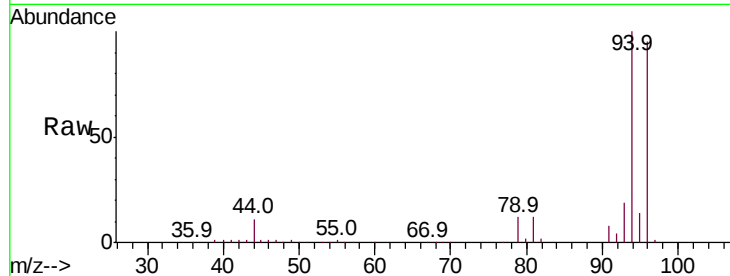
#5
Bromomethane
Concen: 50.245 ug/l m
RT: 2.54 min Scan# 237
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 94 Resp: 119751
Ion Ratio Lower Upper
94 100
96 94.7 75.5 113.3

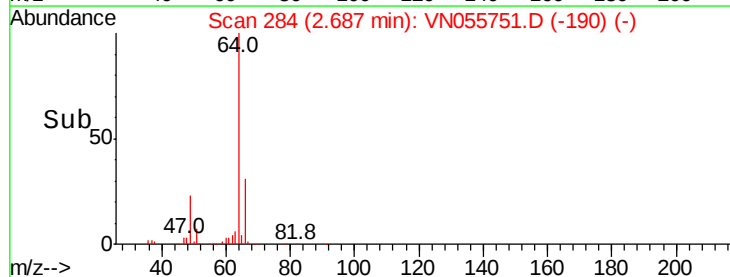
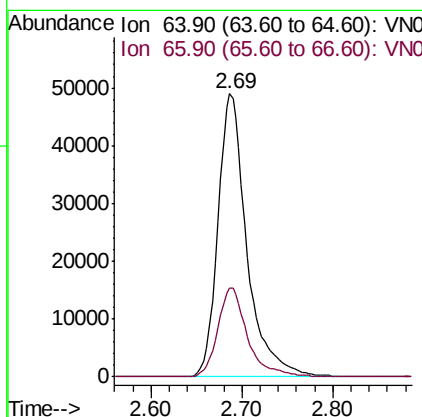
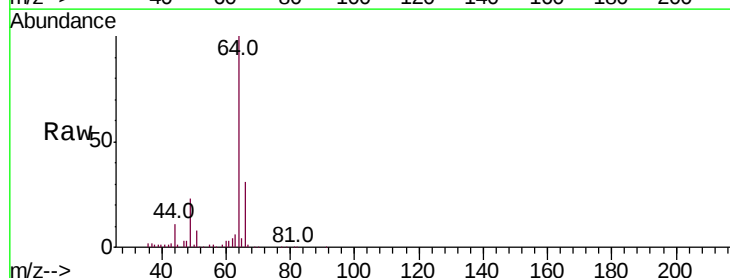
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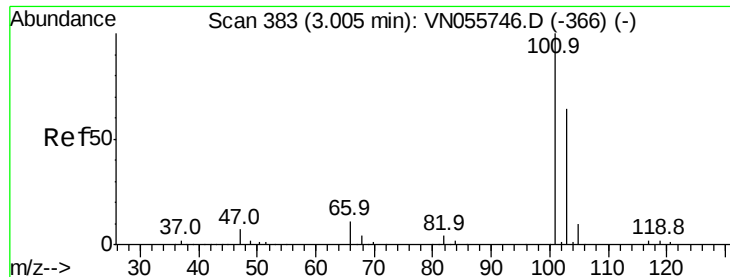
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5/24/2019 9:22:24 AM



#6
Chloroethane
Concen: 47.048 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 64 Resp: 107911
Ion Ratio Lower Upper
64 100
66 31.3 25.4 38.0





#7

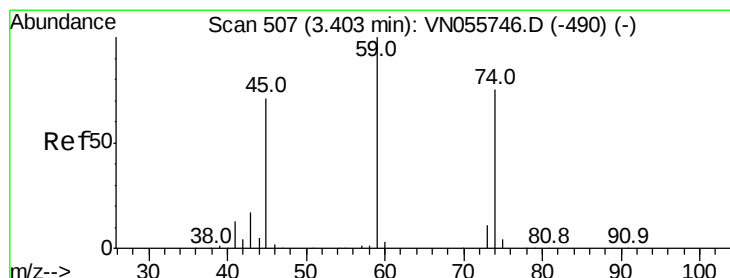
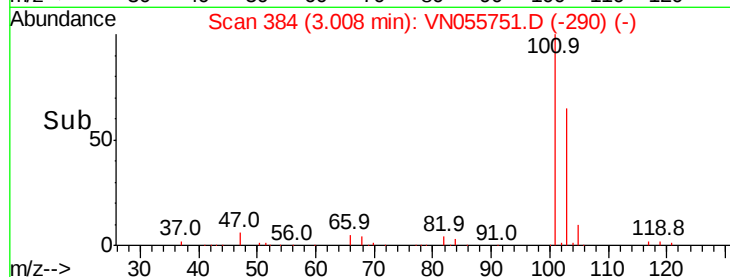
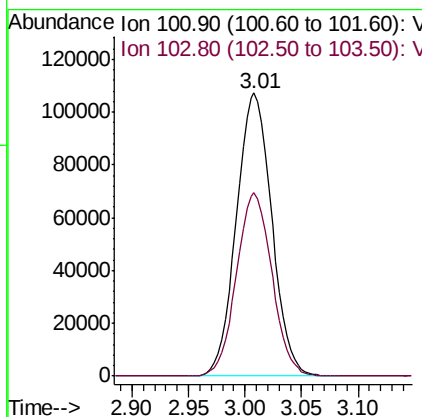
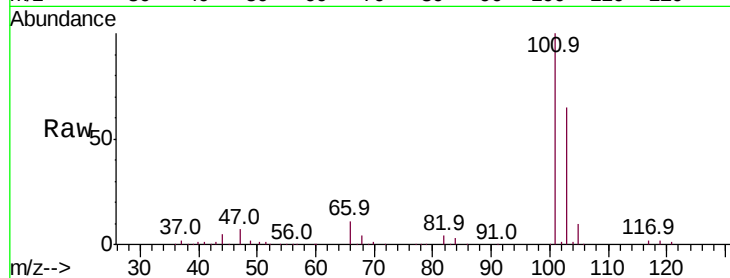
Trichlorofluoromethane
Concen: 46.830 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.2	76.8

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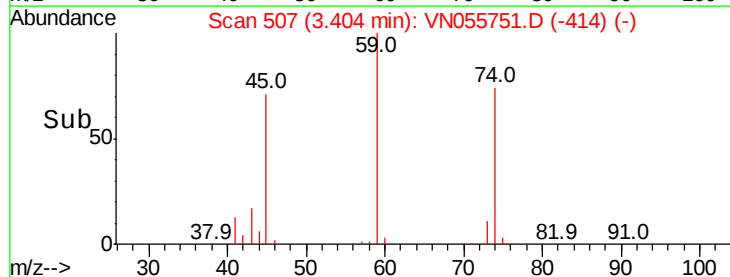
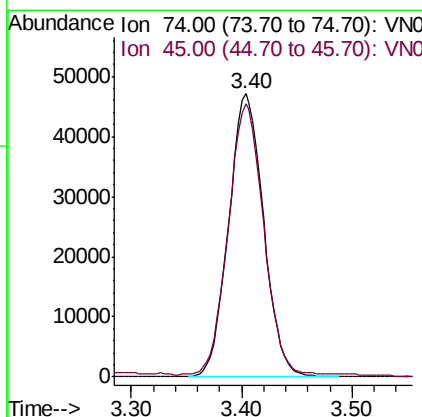
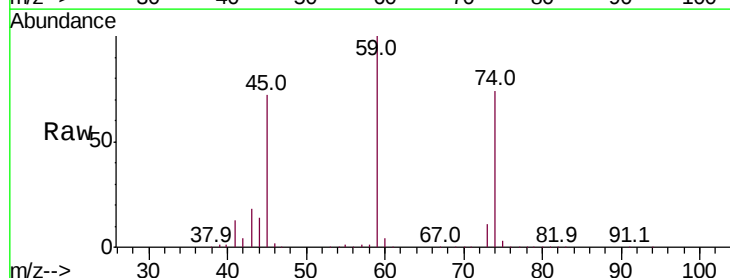
MMDadoda
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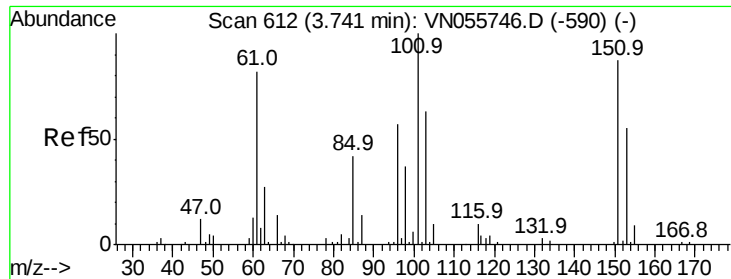


#8

Diethyl Ether
Concen: 46.102 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.180 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

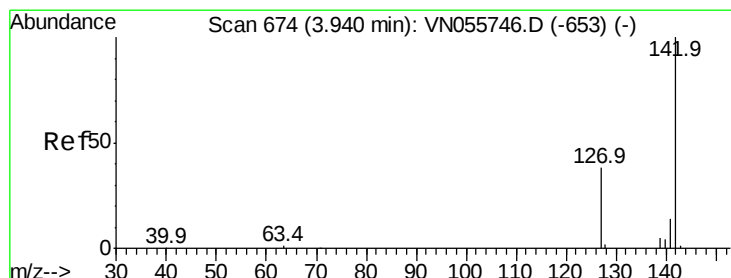
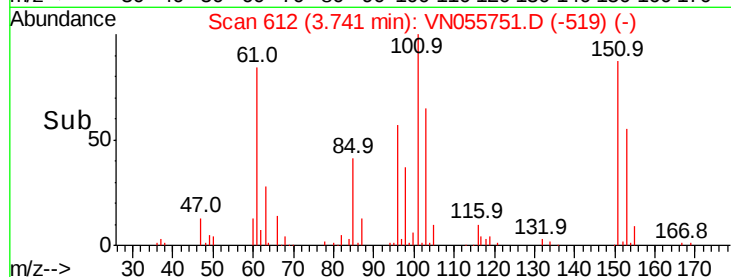
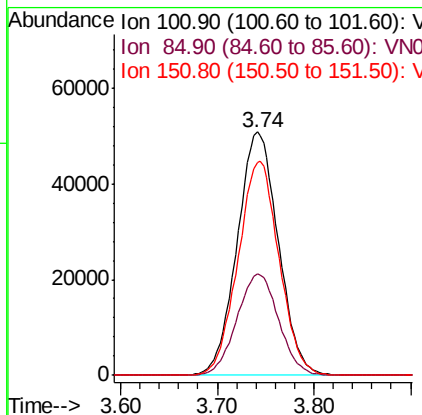
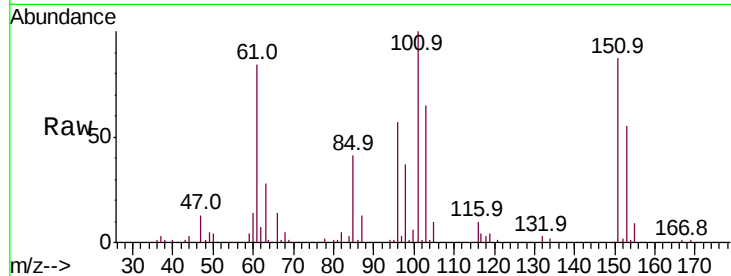
ClientSampleId :

ICVVN052319

Tot Ion:	101	Resp:	150211
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.2
151	87.8	69.4	104.2

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#10

Methyl Iodide

Concen: 48.695 ug/l

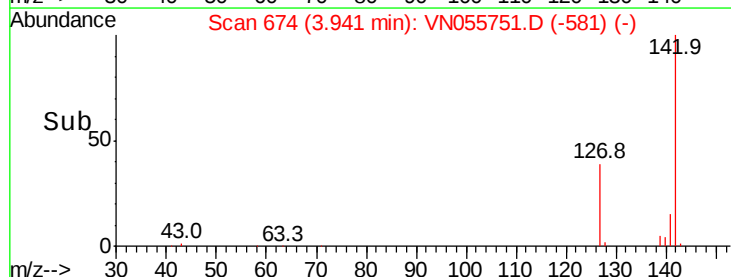
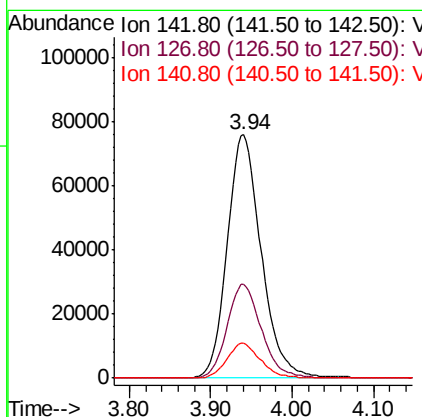
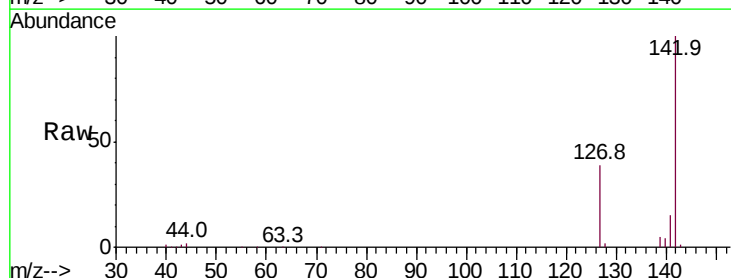
RT: 3.94 min Scan# 674

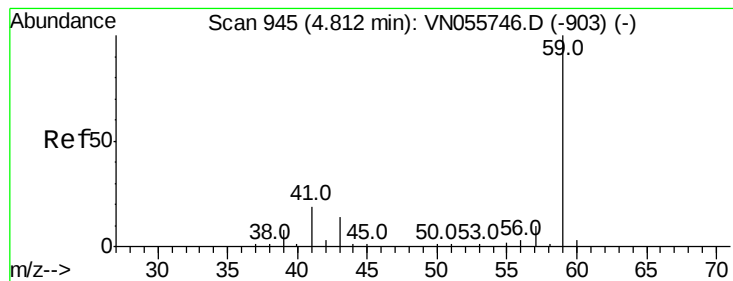
Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion:	142	Resp:	221959
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.0	46.4
141	14.1	11.4	17.0





#11

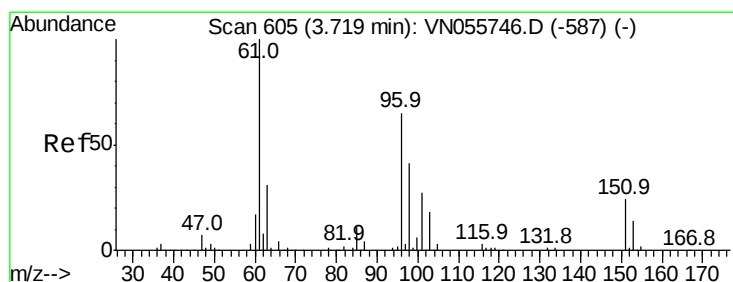
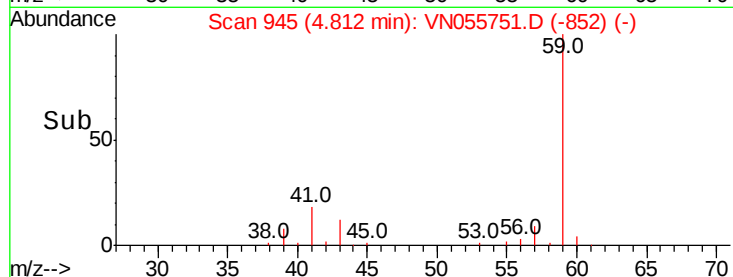
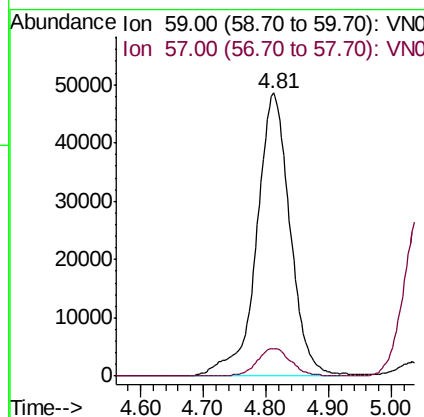
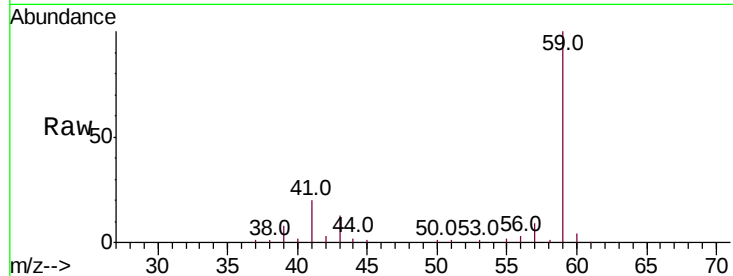
Tert butyl alcohol
 Concen: 241.092 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052319

Tot Ion	59	57	Ratio	100	9.8	Resp	180194	Lower	Upper
Ion	59	57	Ratio	100	9.8	Resp	180194	Lower	Upper
								7.8	11.6

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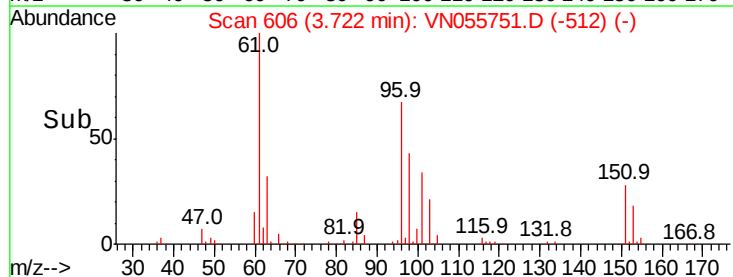
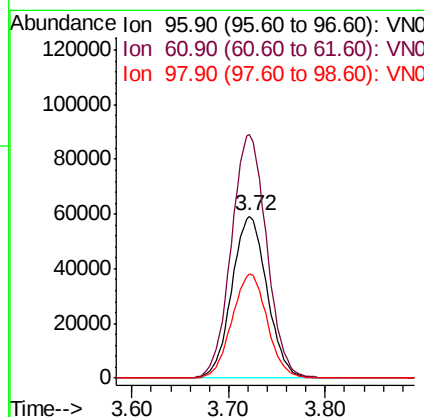
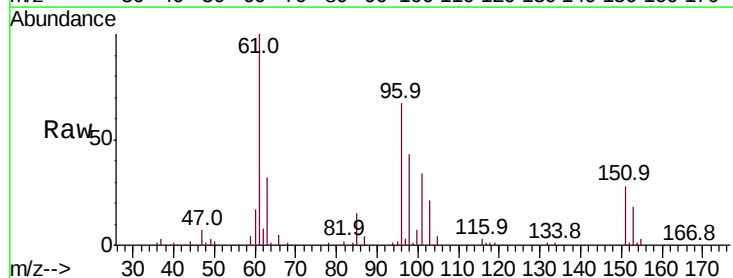
MMDadoda
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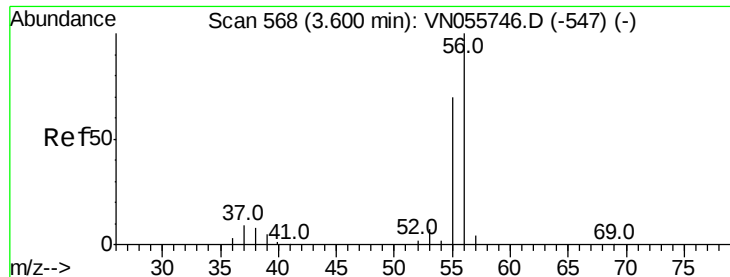


#12

1,1-Dichloroethene
 Concen: 46.545 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	96	61	98	Ratio	100	150.3	64.0	Resp	149942	Lower	Upper
Ion	96	61	98	Ratio	100	150.3	64.0	Resp	149942	Lower	Upper
										123.2	184.8
										50.4	75.6





#13

Acrolein

Concen: 221.488 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 56 Resp: 118535

Ion Ratio Lower Upper

56 100

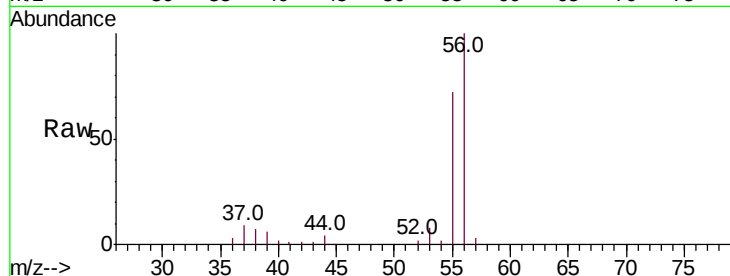
55 71.1 55.4 83.2

Manual Integrations

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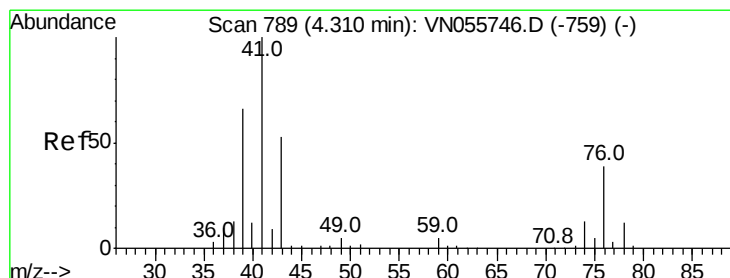
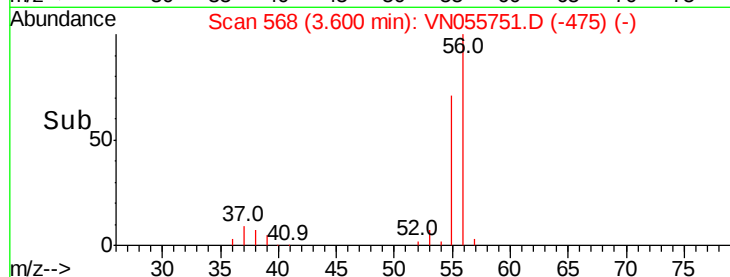
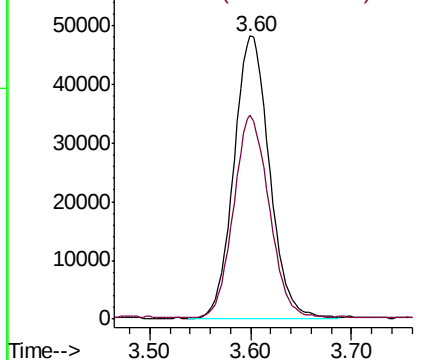
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.107 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

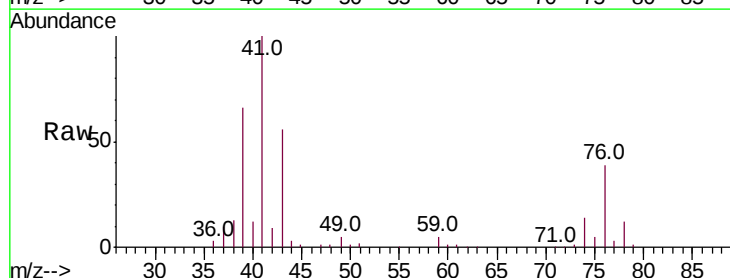
Tgt Ion: 41 Resp: 260145

Ion Ratio Lower Upper

41 100

39 62.2 50.0 75.0

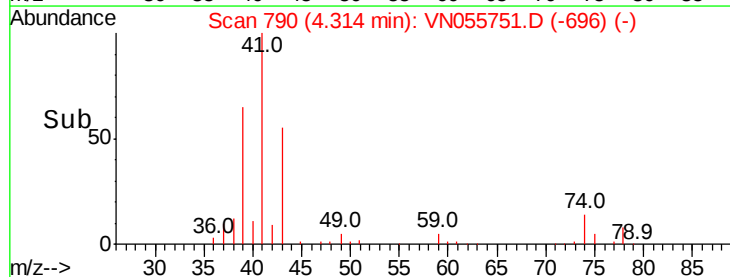
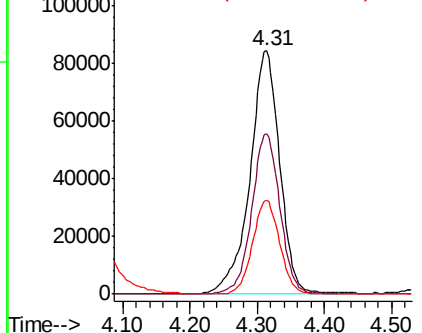
76 34.9 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





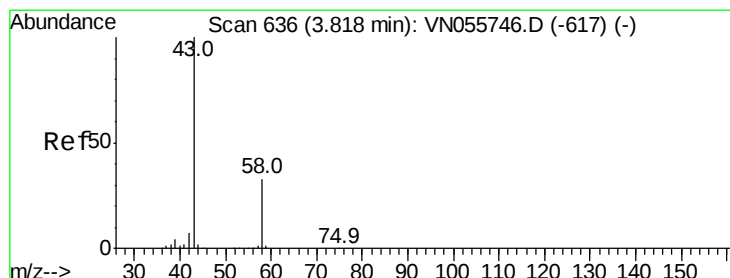
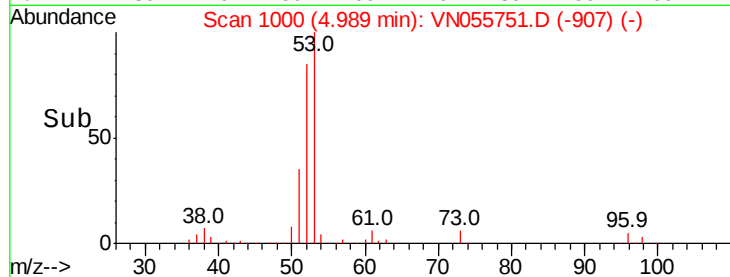
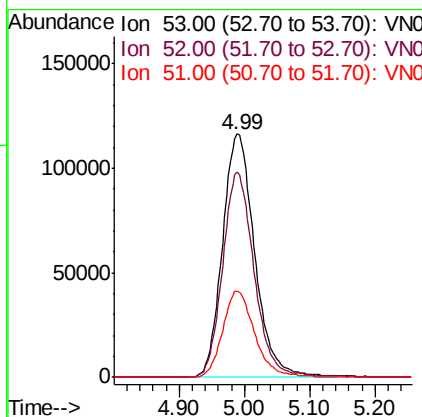
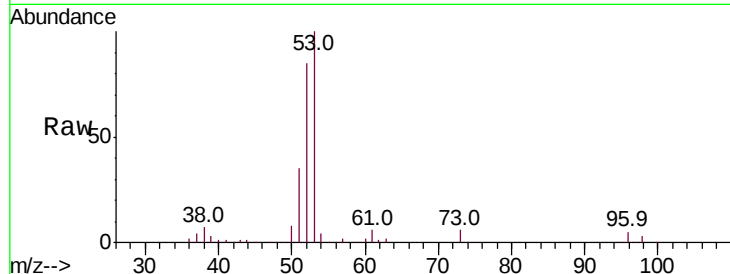
#15
 Acrylonitrile
 Concen: 232.252 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.8
51	35.4	28.2	42.4

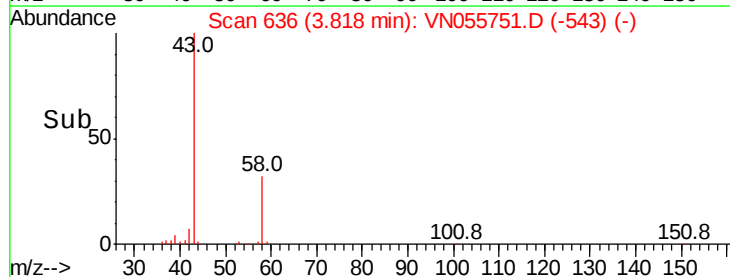
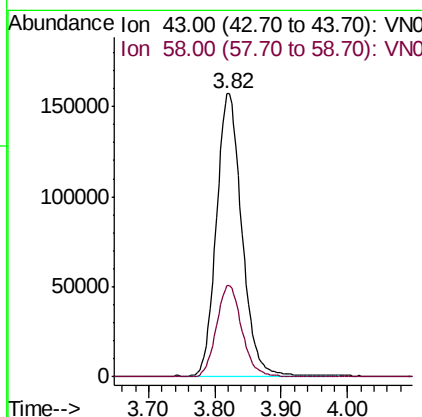
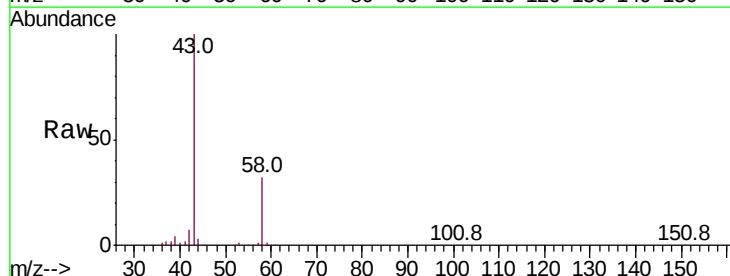
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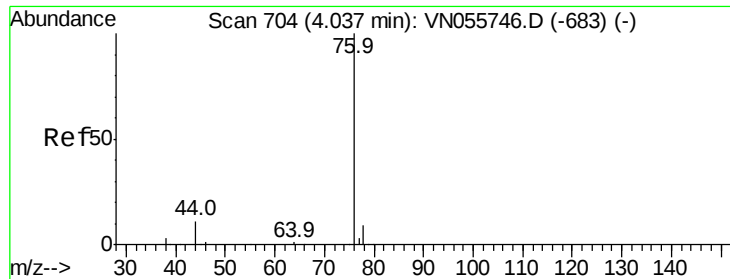
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#16
 Acetone
 Concen: 241.142 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.6	39.8





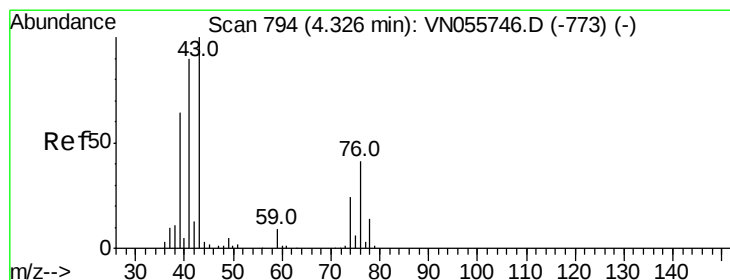
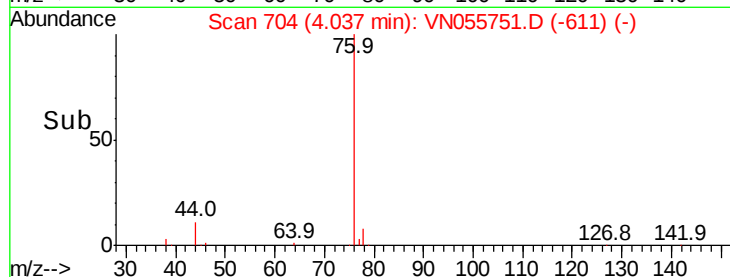
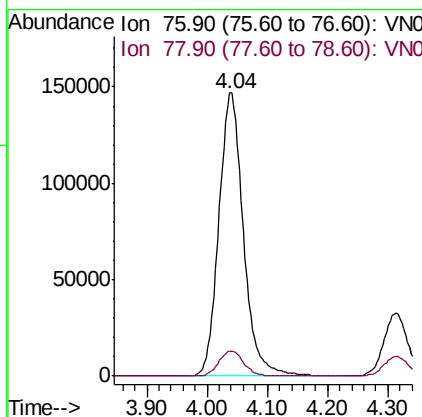
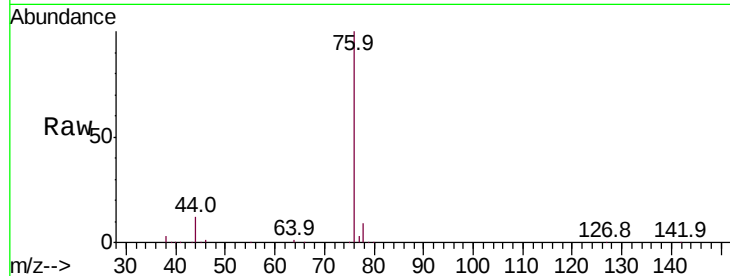
#17
Carbon Disulfide
Concen: 45.178 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

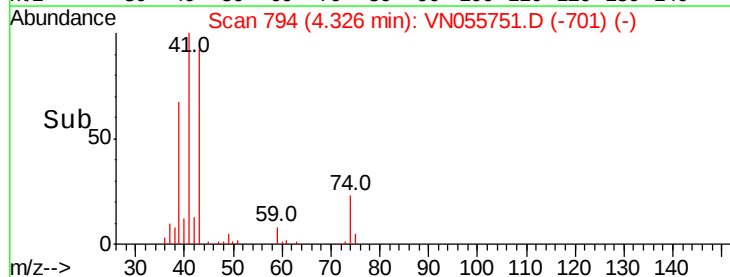
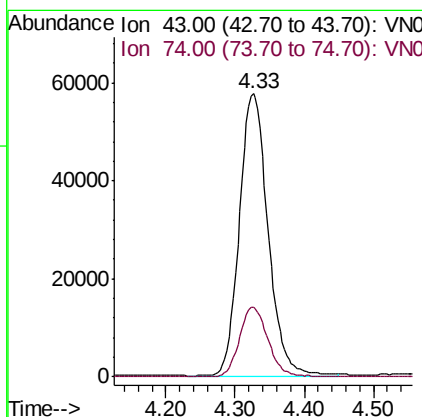
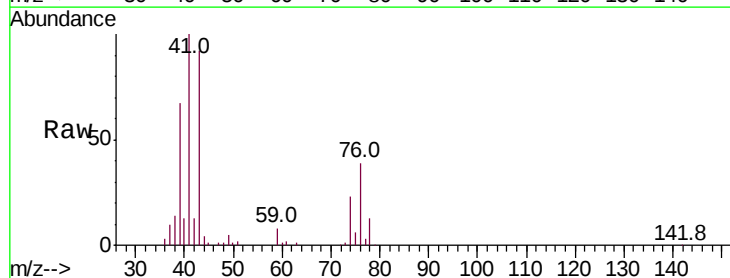
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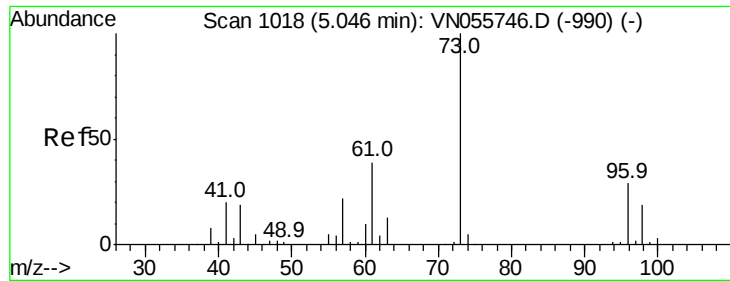
MMDadoda
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#18
Methyl Acetate
Concen: 47.433 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





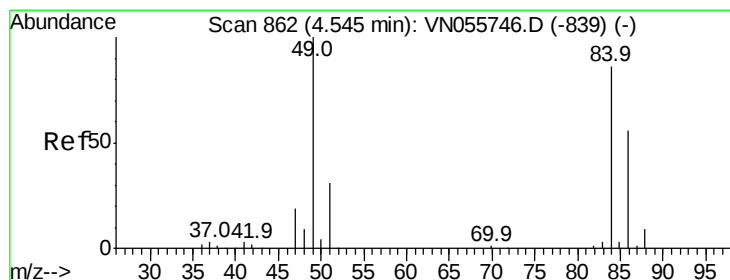
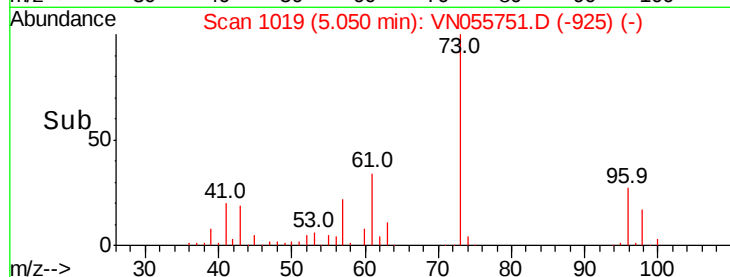
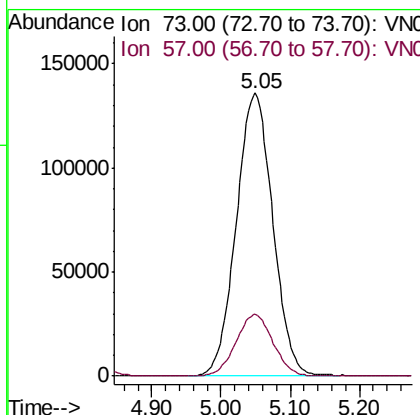
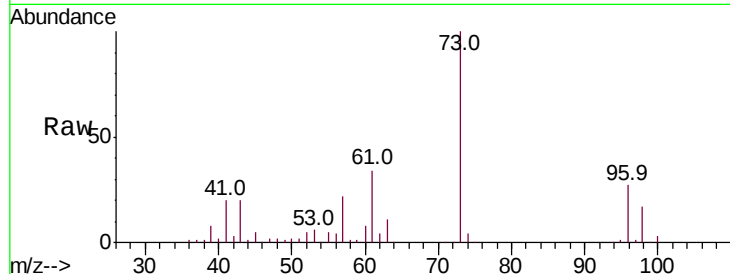
#19
Methyl tert-butyl Ether
Concen: 46.416 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 73 Resp: 498693
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

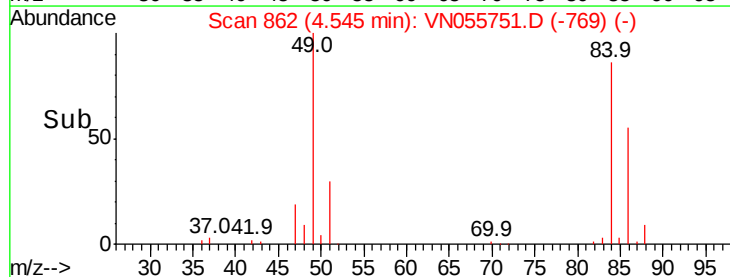
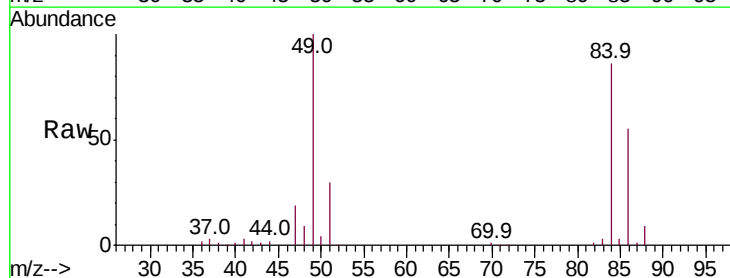
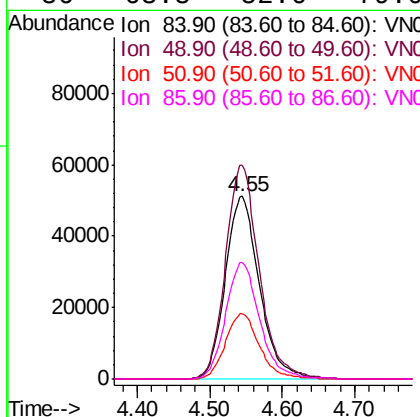
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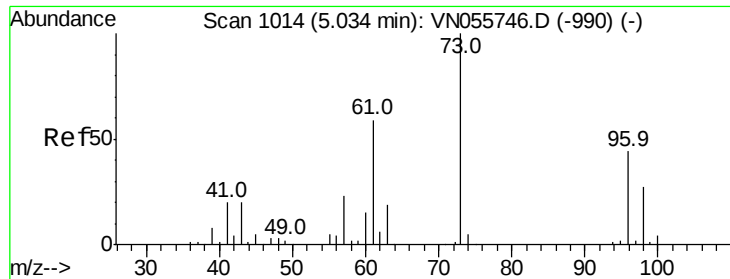
MMDadoda
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#20
Methylene Chloride
Concen: 45.135 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 84 Resp: 168079
Ion Ratio Lower Upper
84 100
49 116.7 93.5 140.3
51 35.6 28.6 43.0
86 63.8 52.6 79.0





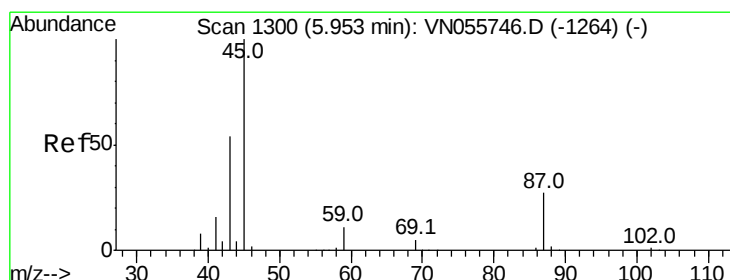
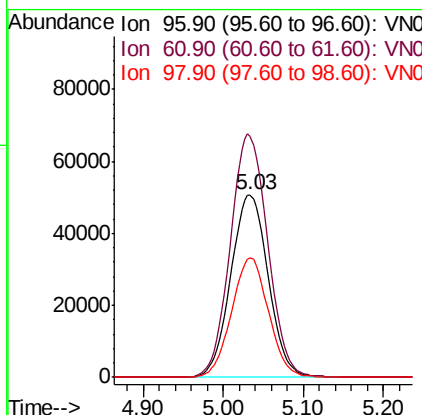
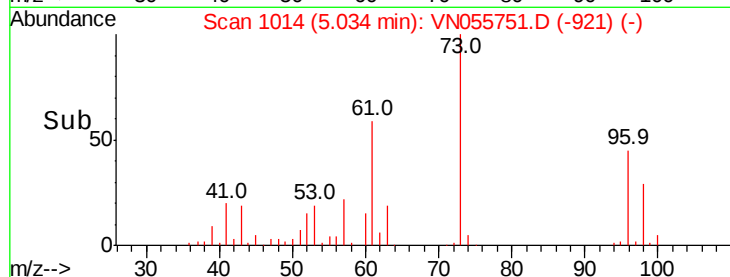
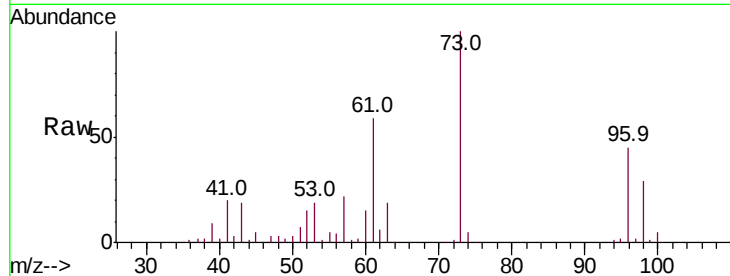
#21
trans-1,2-Dichloroethene
Concen: 46.530 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.1	107.8	161.8
98	65.4	49.8	74.8

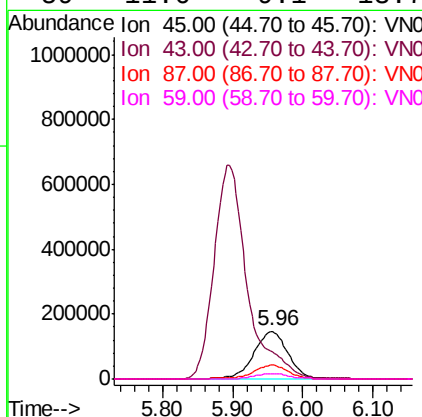
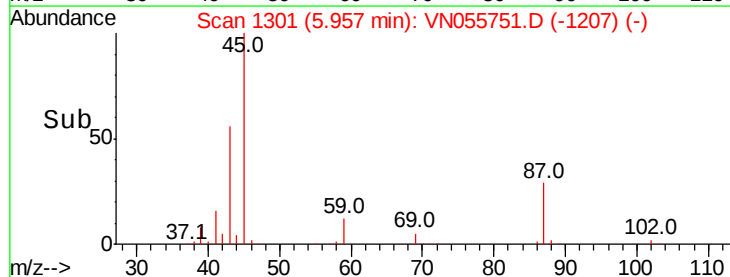
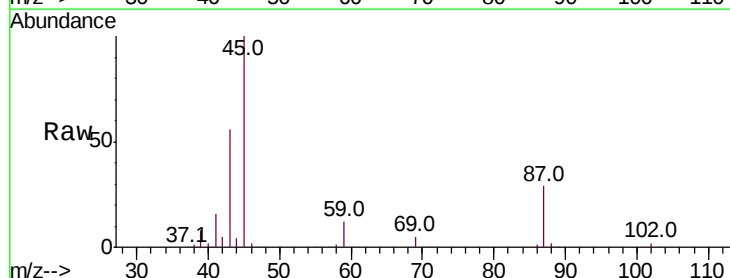
Manual Integrations
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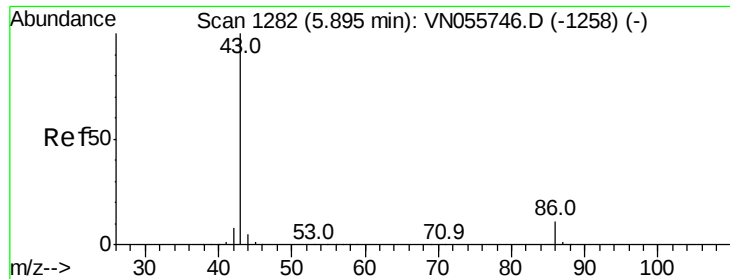
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#22
Diisopropyl ether
Concen: 46.353 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.2	45.0	67.6
87	28.6	22.2	33.4
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 236.075 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

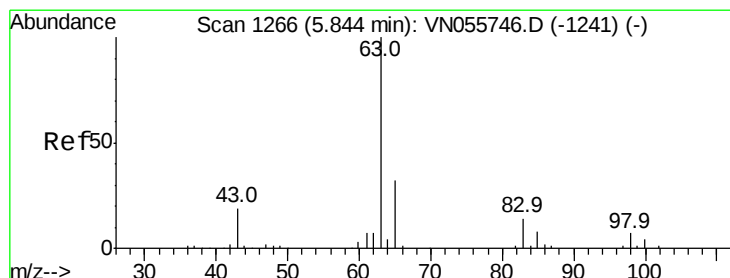
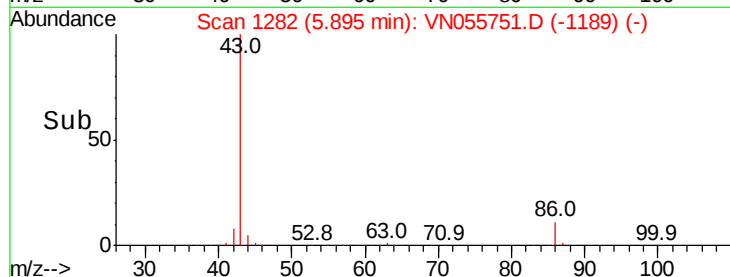
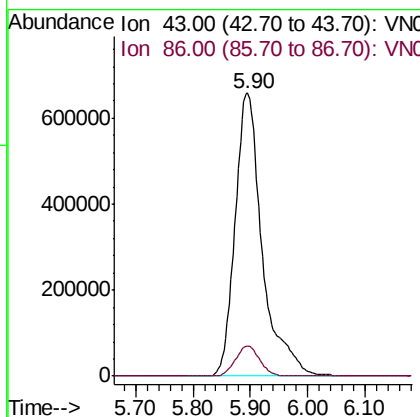
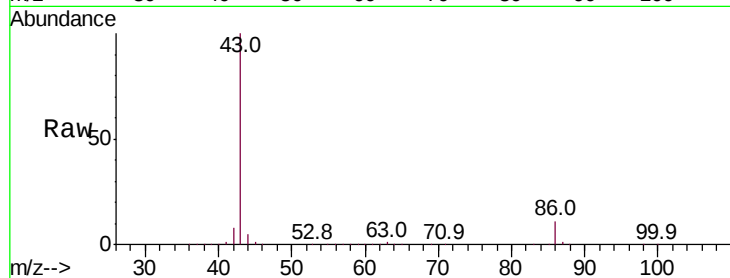
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 43 Resp: 2174063

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	13.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 45.928 ug/l

RT: 5.84 min Scan# 1266

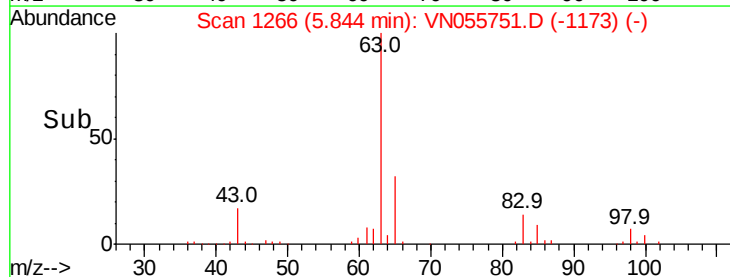
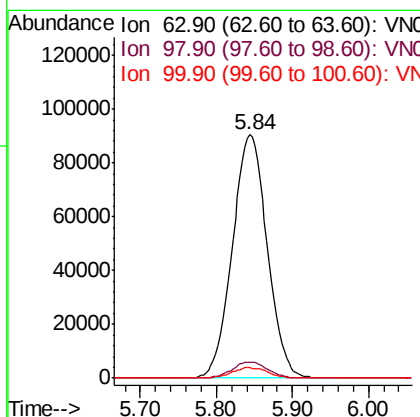
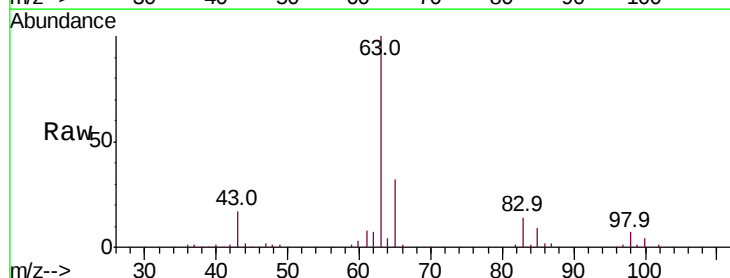
Delta R.T. 0.00 min

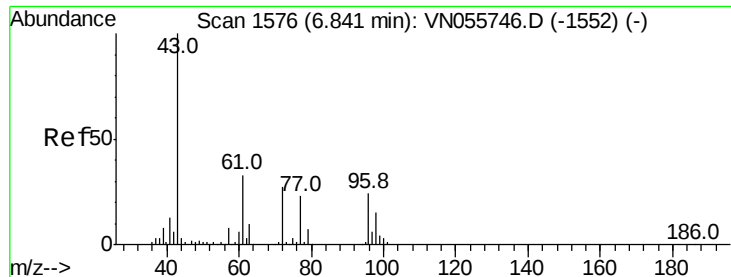
Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion: 63 Resp: 287225

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.2	2.2	6.6





#25

2-Butanone

Concen: 237.151 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 43 Resp: 569506

Ion Ratio Lower Upper

43 100

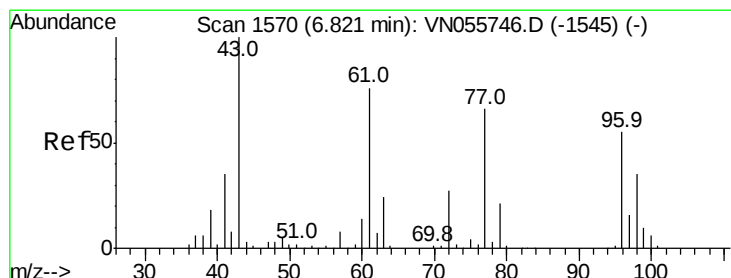
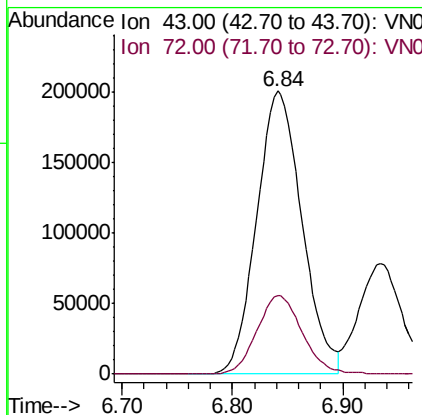
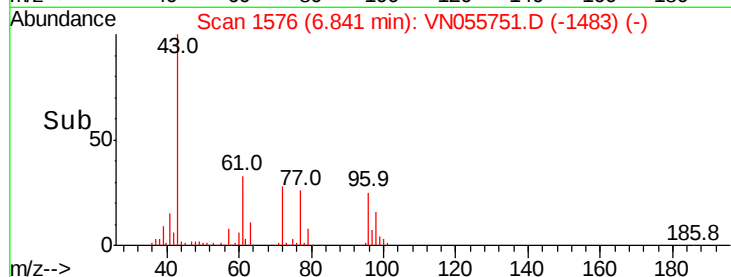
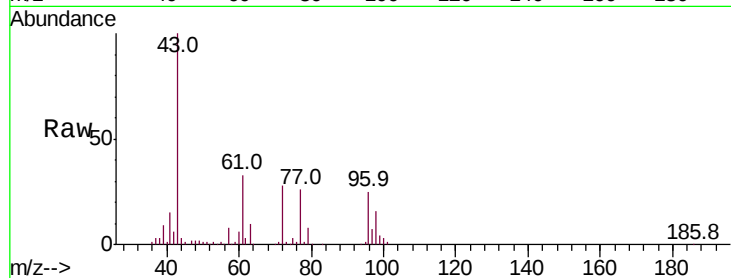
72 27.9 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.466 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055751.D

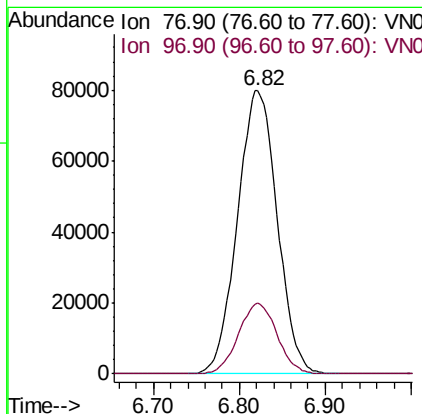
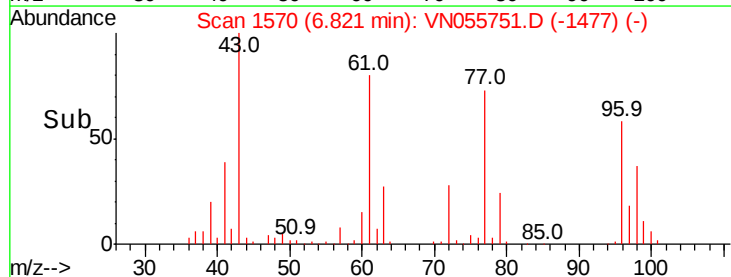
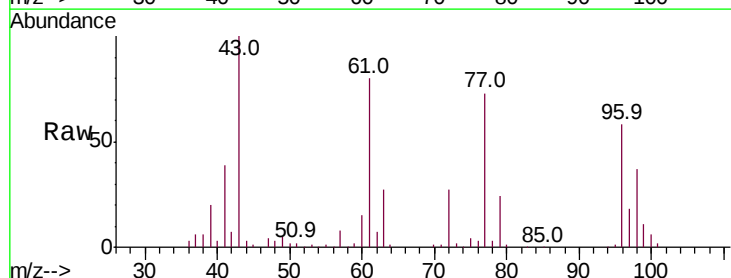
Acq: 23 May 2019 14:03

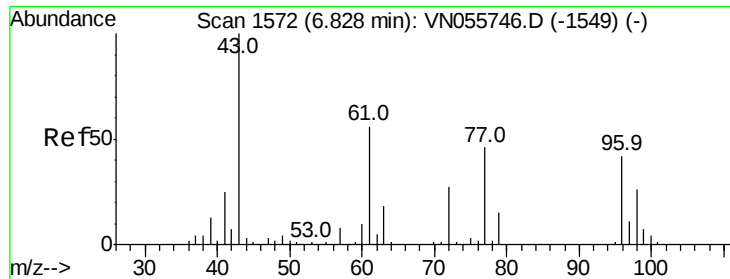
Tgt Ion: 77 Resp: 256901

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 46.780 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

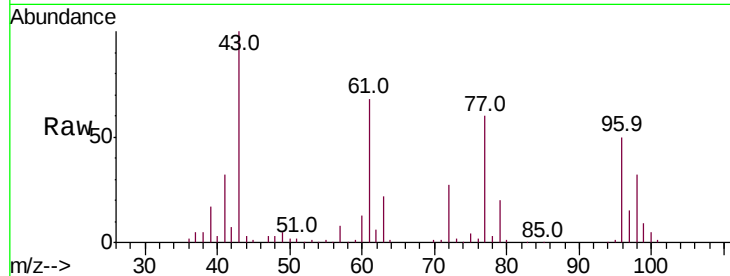
ClientSampleId :

ICVVN052319

Tot Ion:	96	Resp:	188883
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	275.8
98	65.1	0.0	128.4

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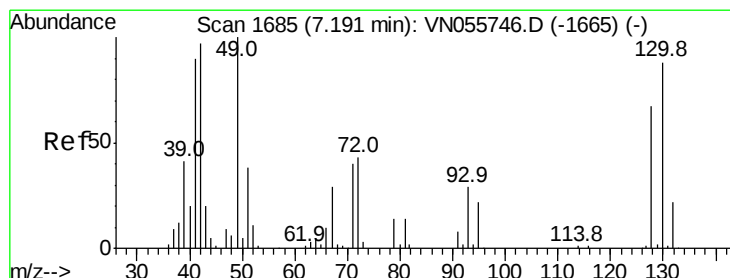
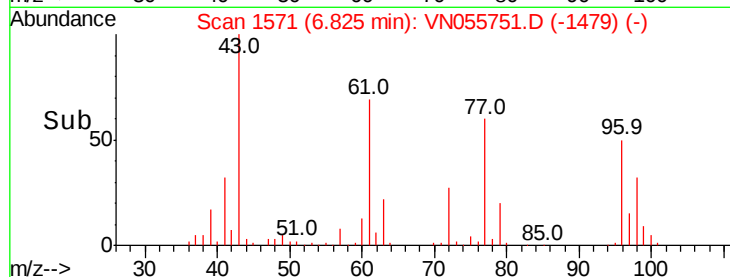
Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)

6.82

Time-->



#28

Bromochloromethane

Concen: 47.960 ug/l

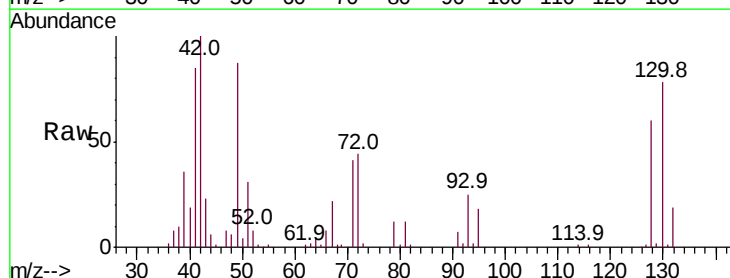
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion:	49	Resp:	142802
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	89.2	71.2	106.8



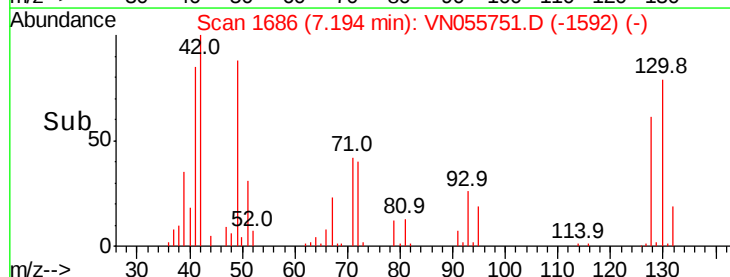
Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

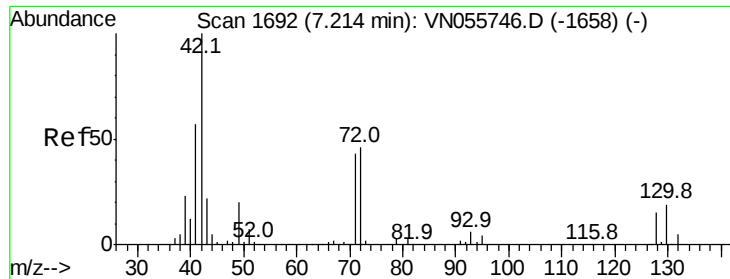
Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)

7.19

Time-->





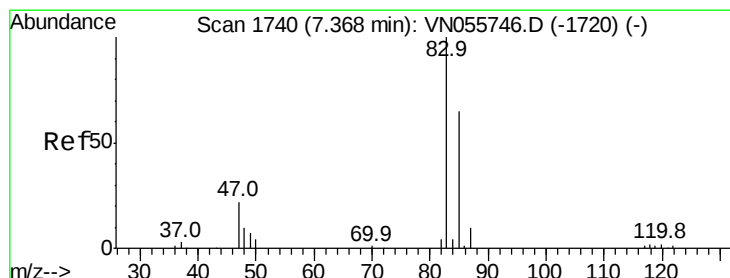
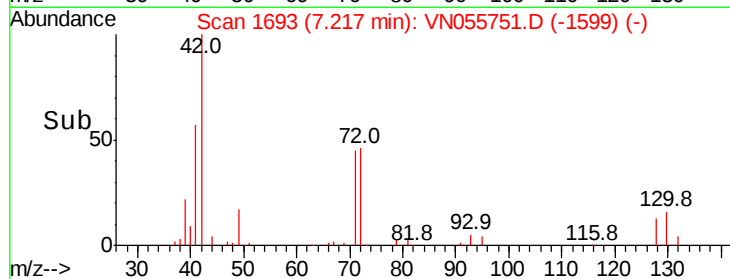
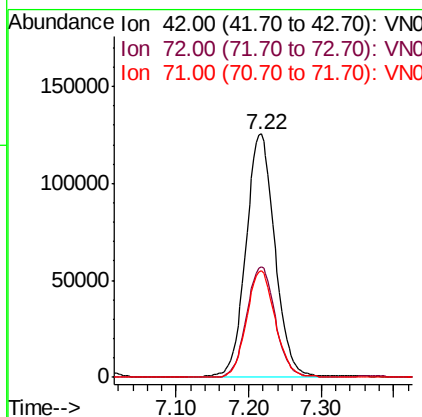
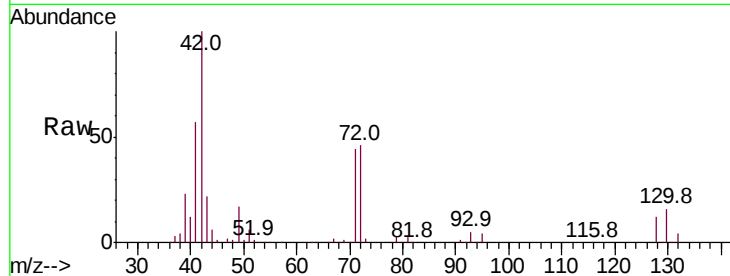
#29
Tetrahydrofuran
Concen: 229.916 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.9	53.9
71	43.4	34.0	51.0

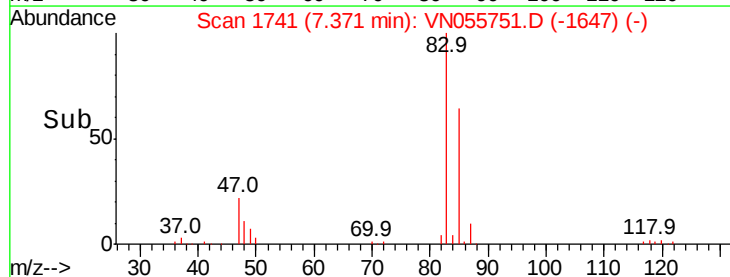
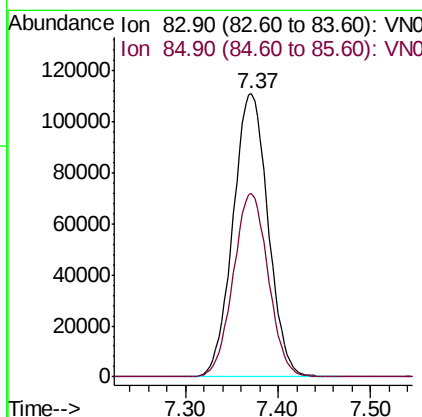
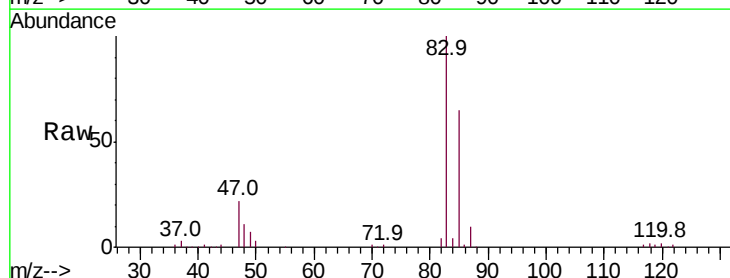
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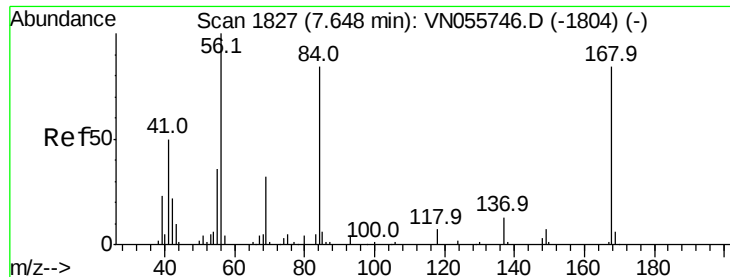
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#30
Chloroform
Concen: 46.723 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





#31

Cyclohexane

Concen: 46.187 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 56 Resp: 271181

Ion Ratio Lower Upper

56 100

69 33.8 25.6 38.4

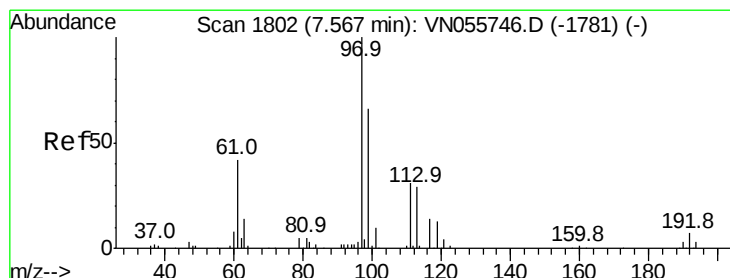
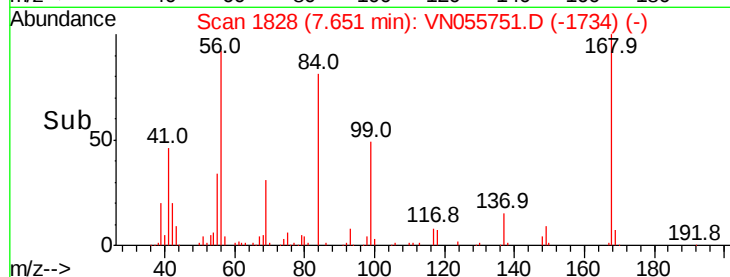
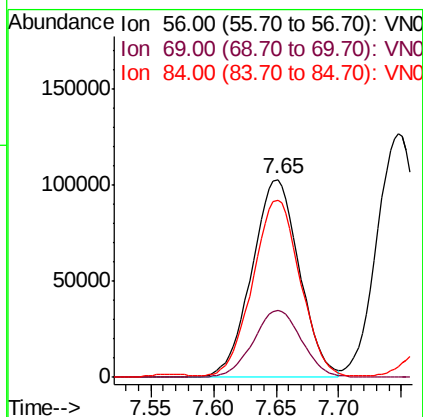
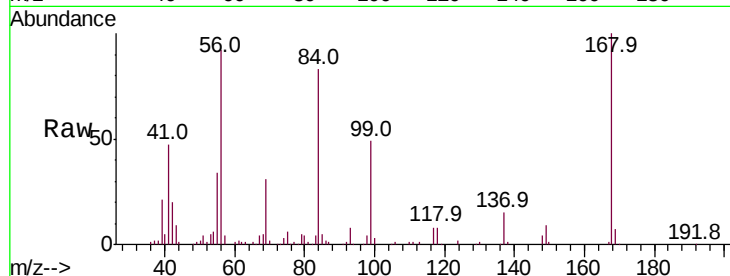
84 88.6 67.4 101.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 46.866 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

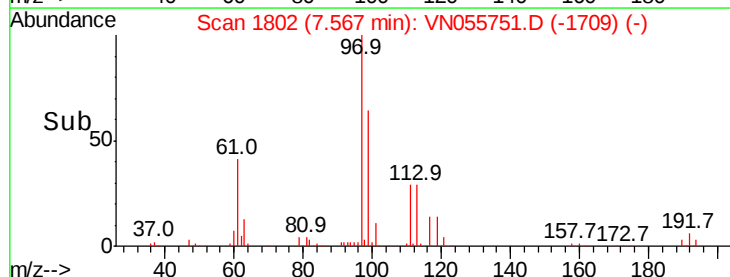
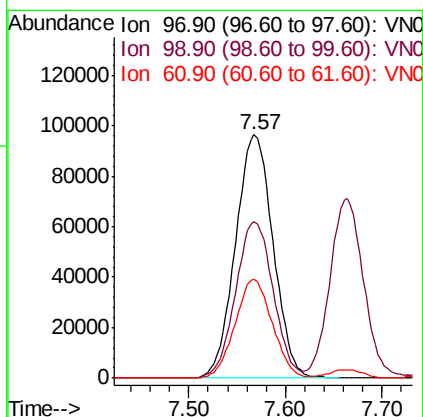
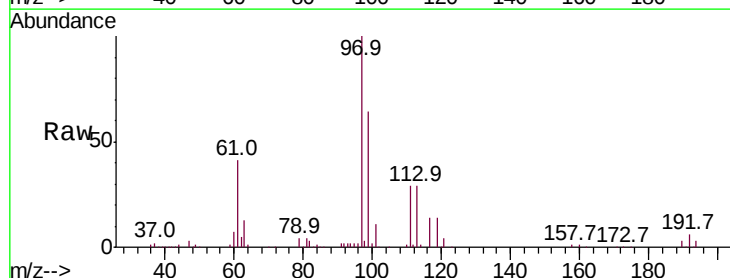
Tgt Ion: 97 Resp: 260832

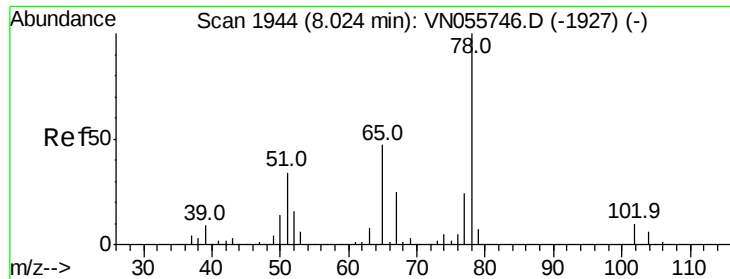
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 40.3 32.9 49.3





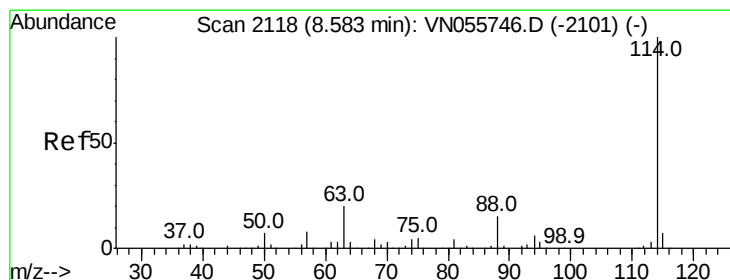
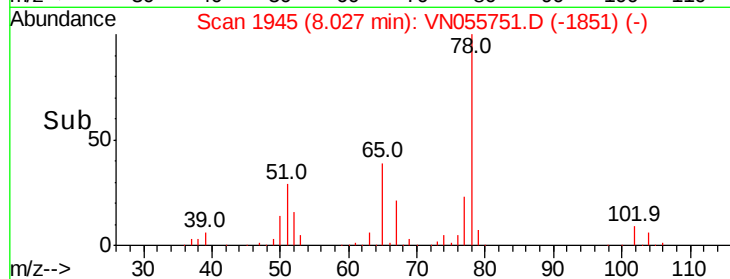
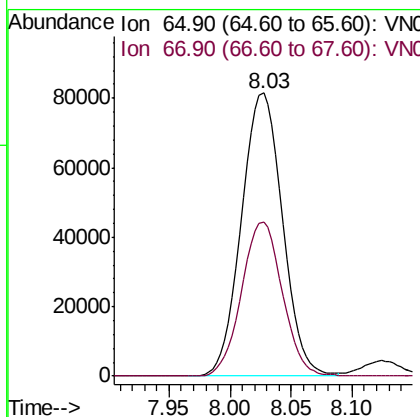
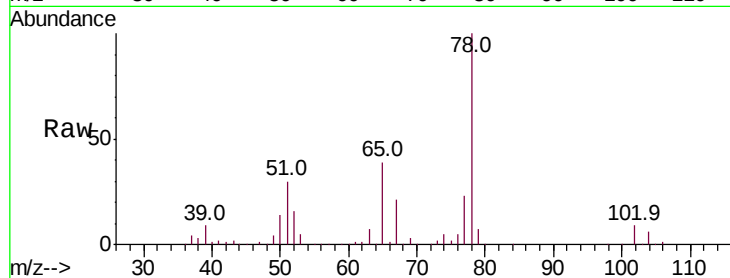
#33
 1,2-Dichloroethane-d4
 Concen: 48.508 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189750		
67	54.1	0.0	109.2	

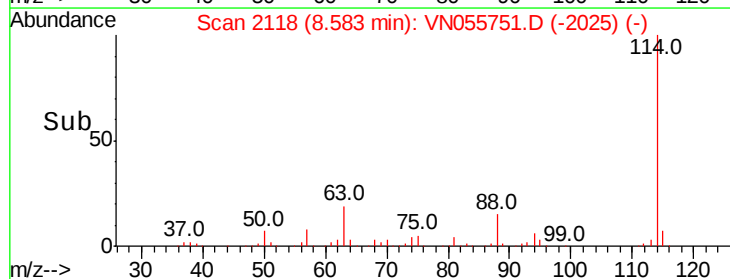
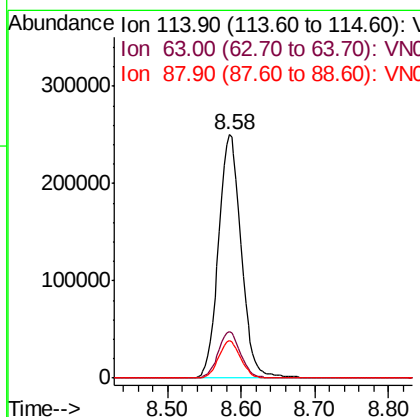
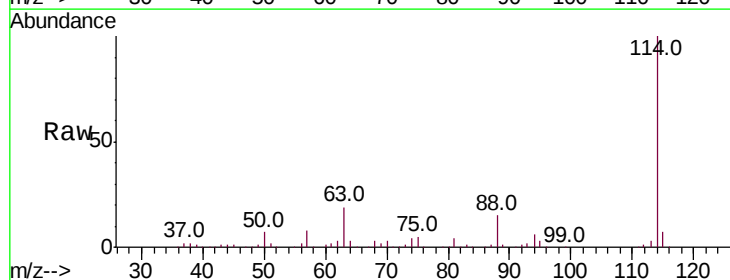
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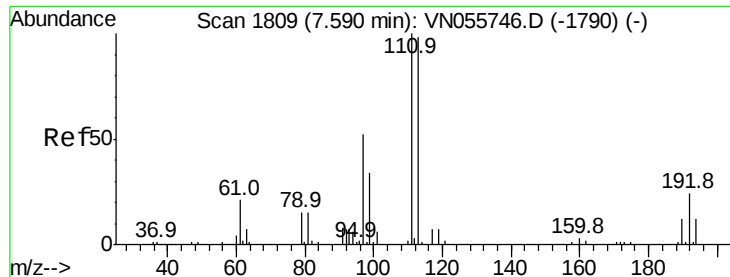
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	535656		
63	19.2	0.0	39.2	
88	15.3	0.0	31.0	





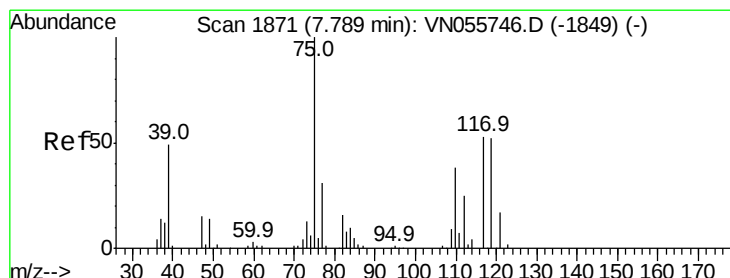
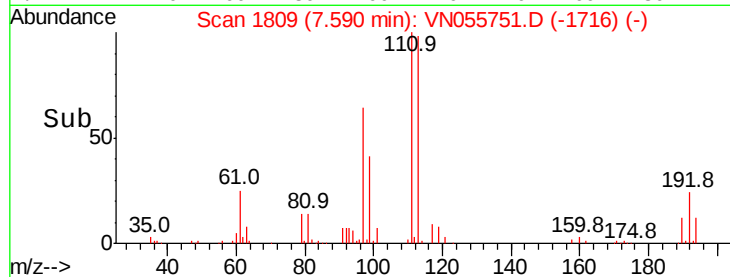
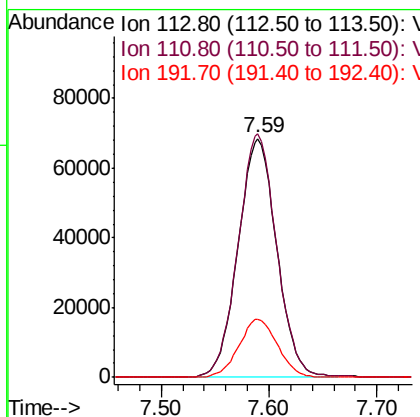
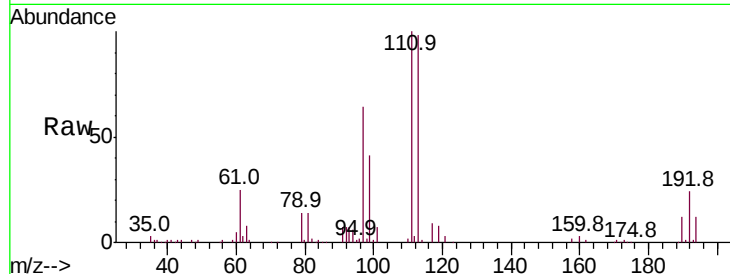
#35
 Dibromofluoromethane
 Concen: 50.201 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	81.9	122.9	
192	24.3	19.5	29.3	

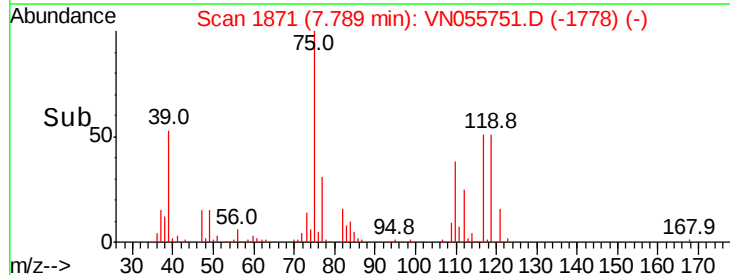
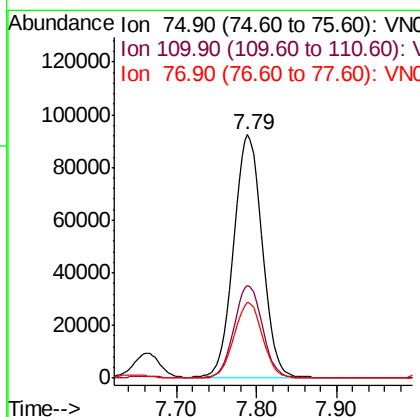
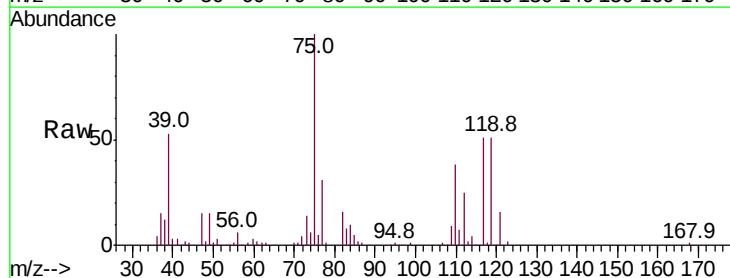
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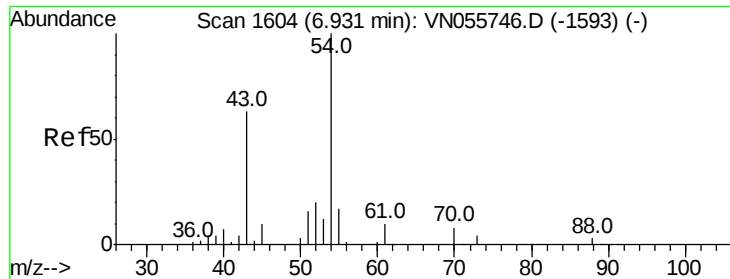
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#36
 1,1-Dichloropropene
 Concen: 47.671 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	19.0	57.0	
77	31.2	25.1	37.7	





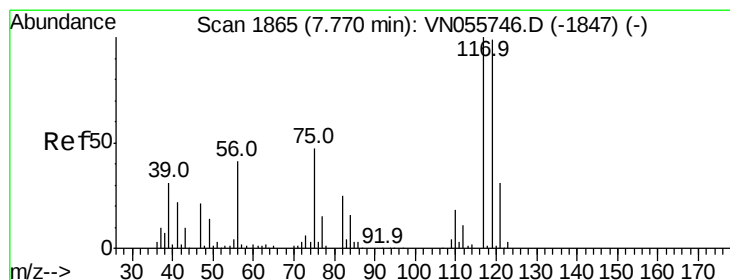
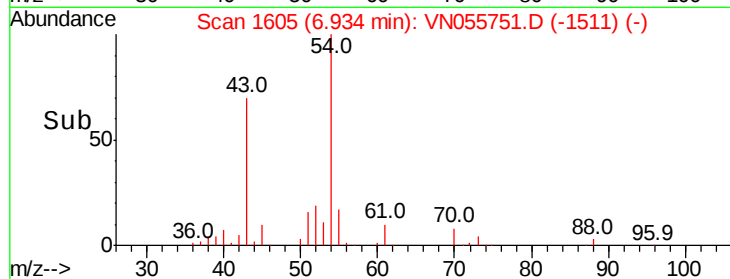
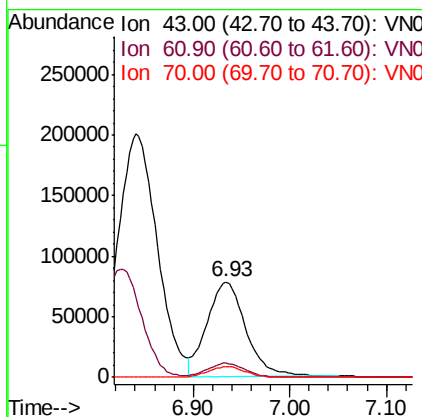
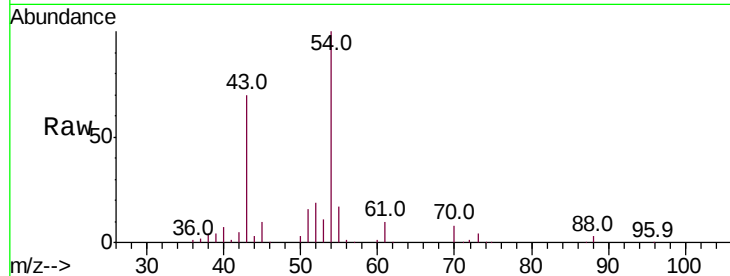
#37
Ethyl Acetate
Concen: 48.283 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	43	Ratio	100	Resp	217835
Ion	43	100		Lower	Upper
61	14.6		12.2	18.2	
70	11.2		8.9	13.3	

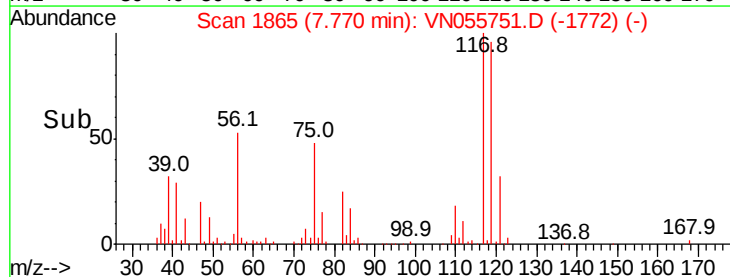
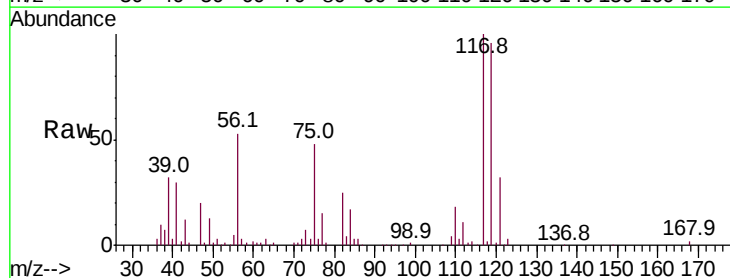
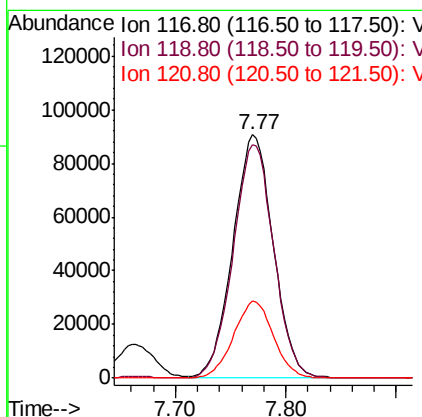
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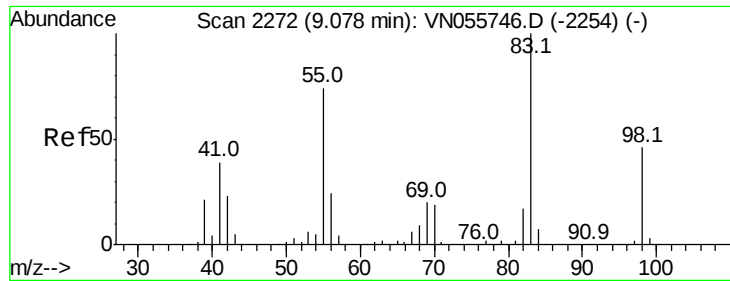
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#38
Carbon Tetrachloride
Concen: 46.992 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	117	Ratio	100	Resp	228494
Ion	117	100		Lower	Upper
119	95.6		79.0	118.6	
121	31.6		24.7	37.1	





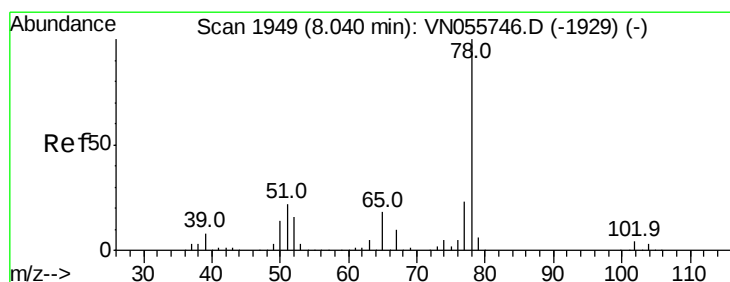
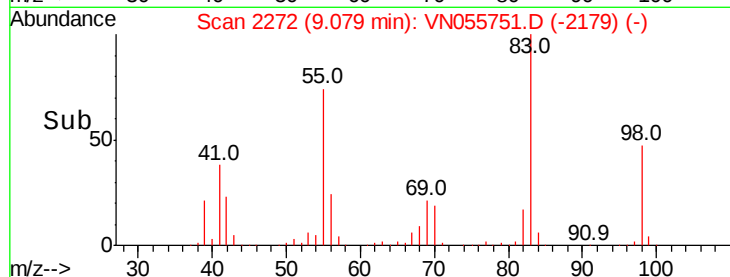
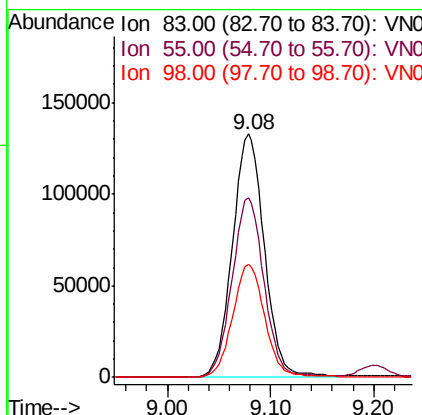
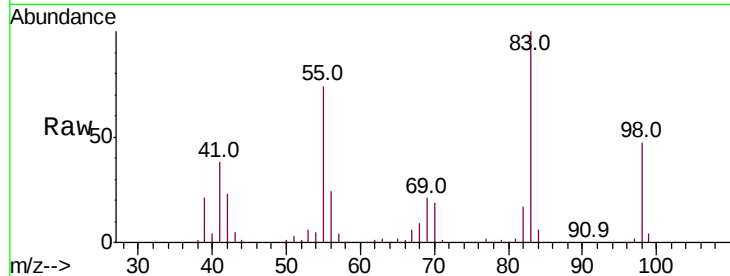
#39
Methvlcvclohexane
Concen: 49.736 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	59.3	88.9
98	46.6	36.6	54.8

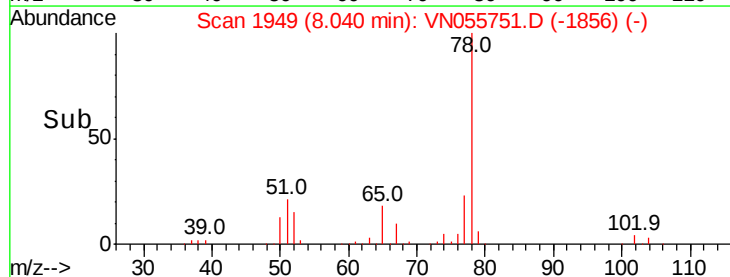
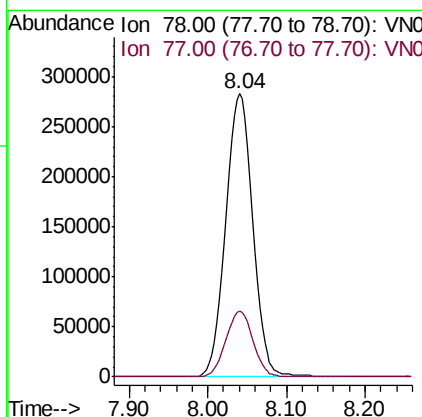
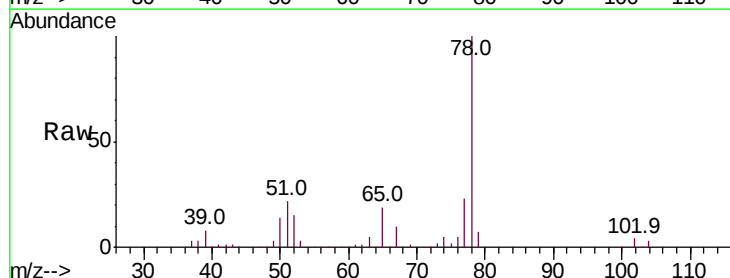
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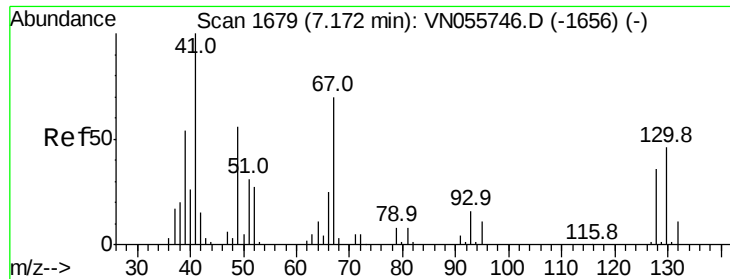
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#40
Benzene
Concen: 47.788 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





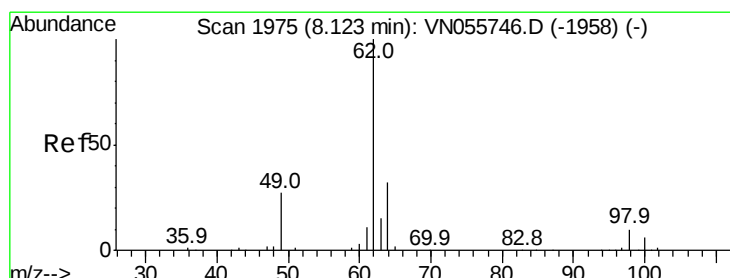
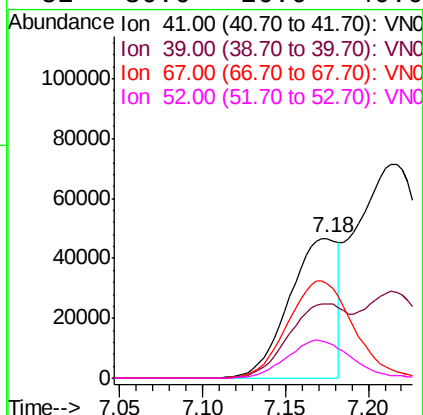
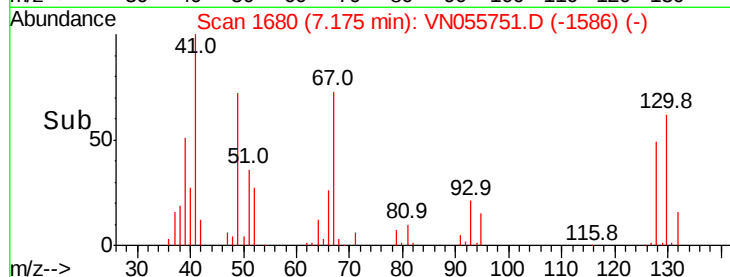
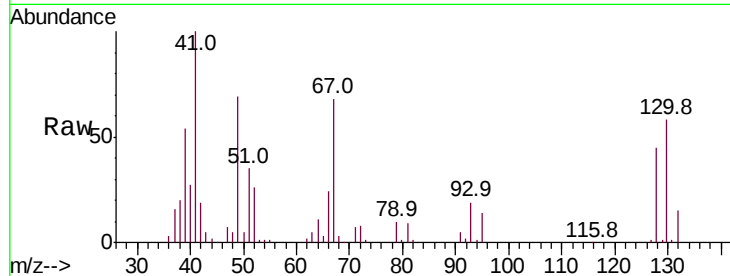
#41
Methacrylonitrile
Concen: 41.837 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	41	Resp	95359
Ion	Ratio	Lower	Upper
41	100		
39	66.9	45.6	68.4
67	94.6	67.7	101.5
52	36.6	26.6	40.0

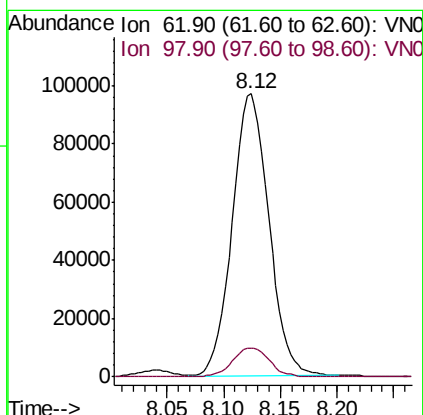
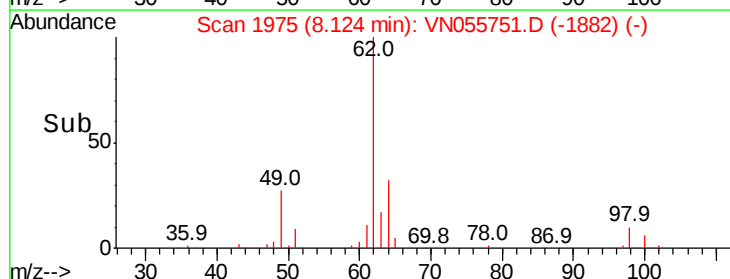
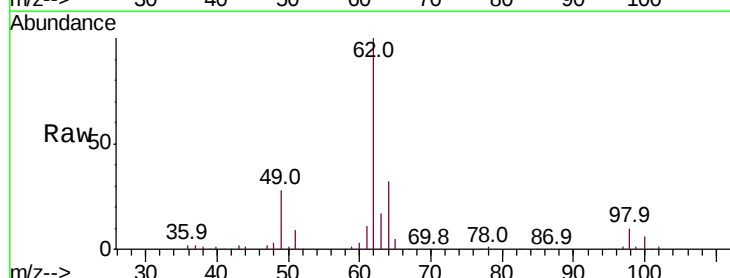
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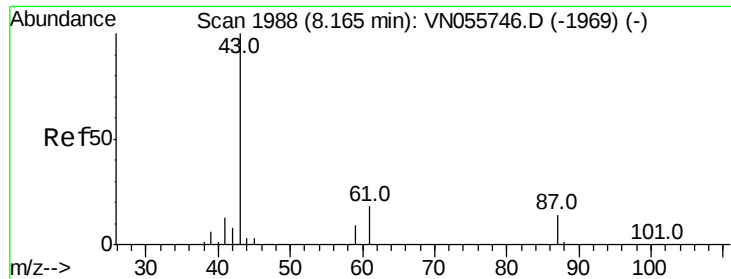
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#42
1,2-Dichloroethane
Concen: 47.629 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	62	Resp	218955
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 47.071 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

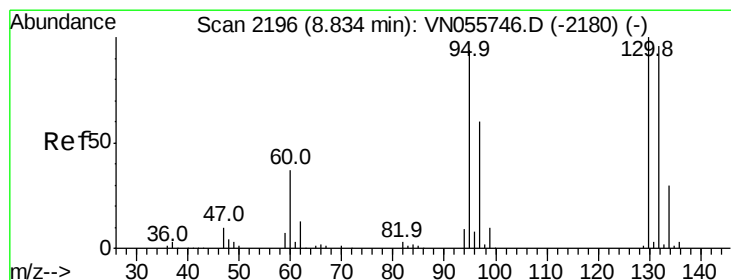
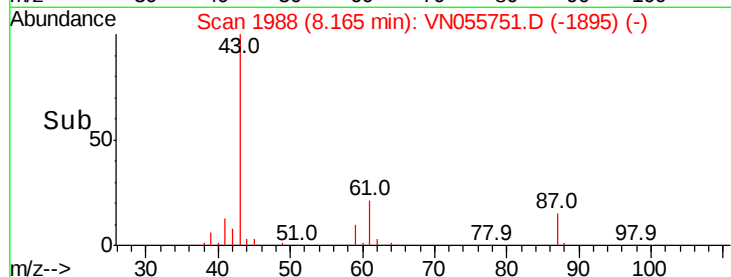
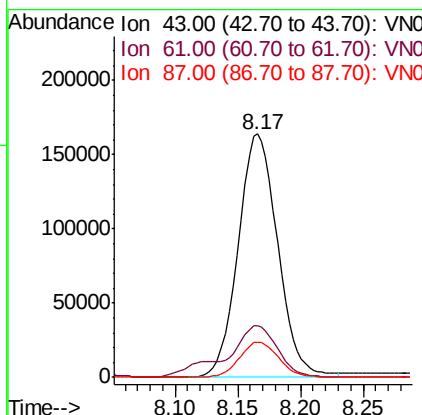
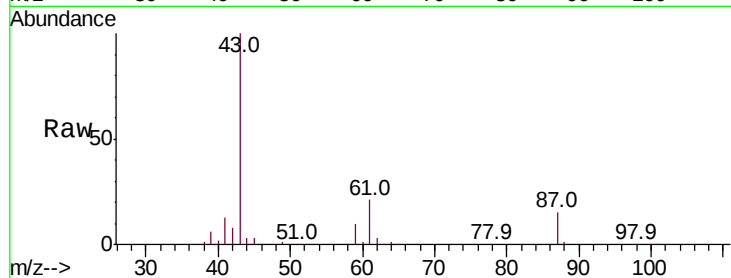
ClientSampleId :

ICVVN052319

Tot Ion:	43	Resp:	356815
Ion Ratio	Lower	Upper	
43	100		
61	21.6	22.2	33.4#
87	14.6	11.4	17.2

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#44

Trichloroethene

Concen: 49.637 ug/l

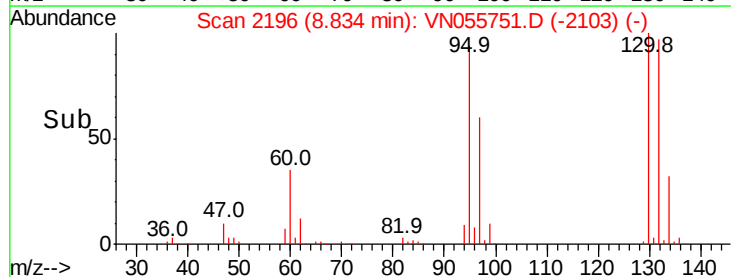
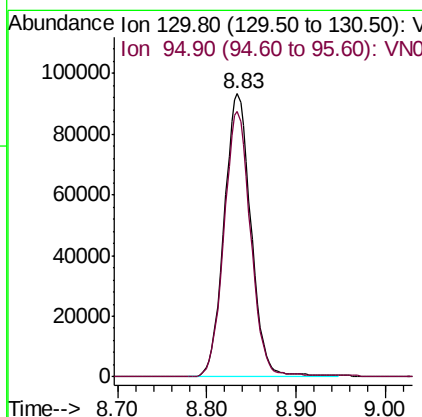
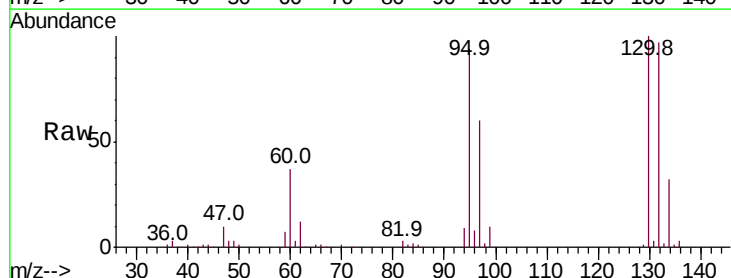
RT: 8.83 min Scan# 2196

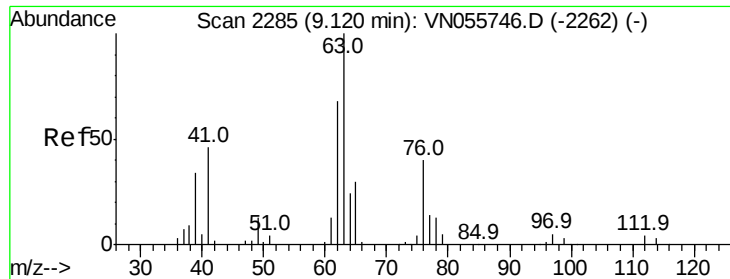
Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion:	130	Resp:	194679
Ion Ratio	Lower	Upper	
130	100		
95	93.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 47.889 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 63 Resp: 175536

Ion Ratio Lower Upper

63 100

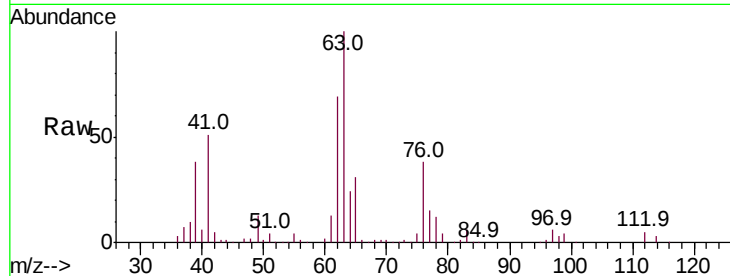
65 31.2 24.6 36.8

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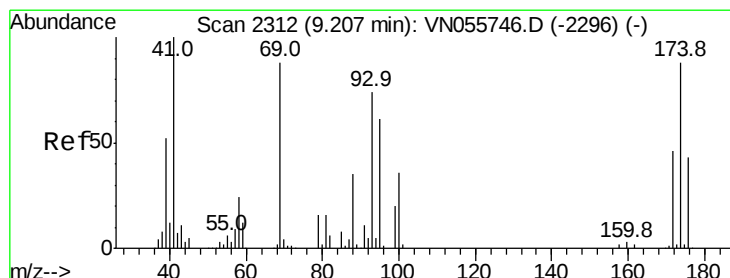
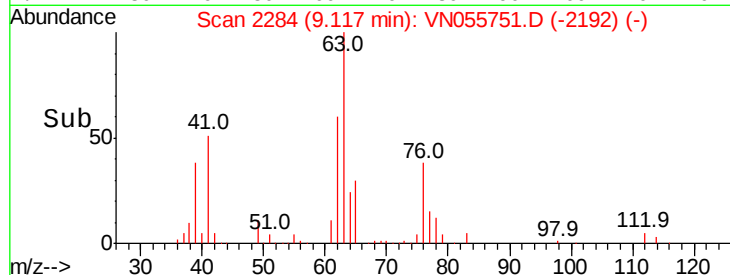
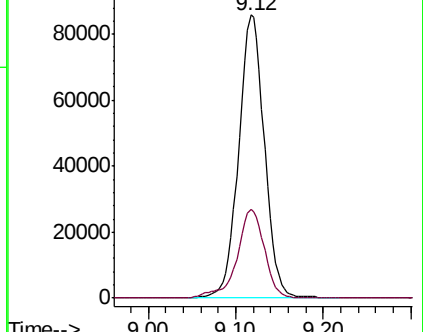
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.517 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

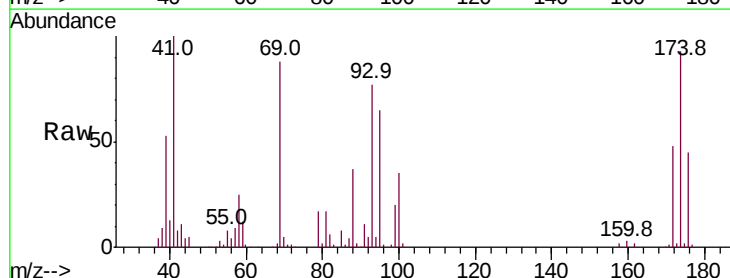
Tgt Ion: 93 Resp: 116627

Ion Ratio Lower Upper

93 100

95 85.3 66.7 100.1

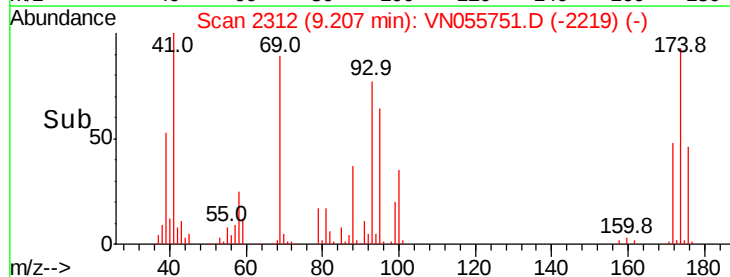
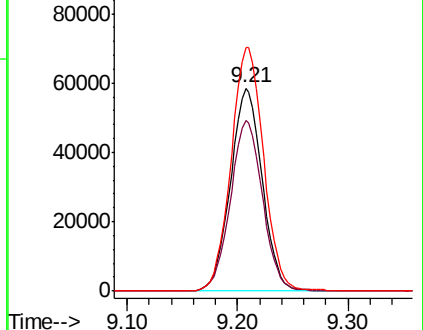
174 123.1 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.906 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

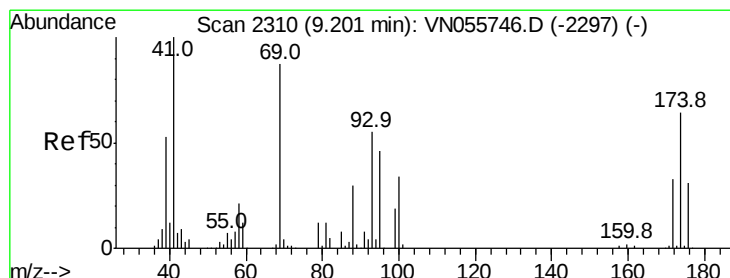
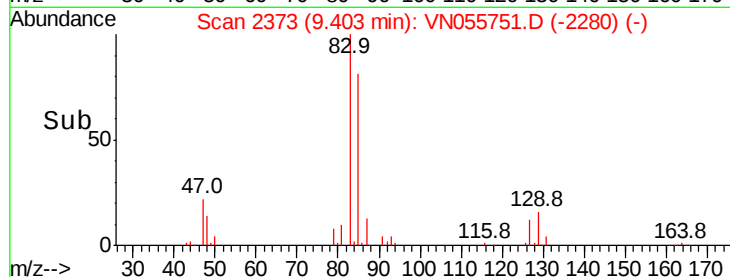
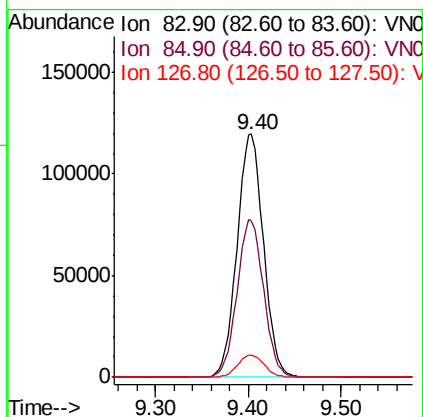
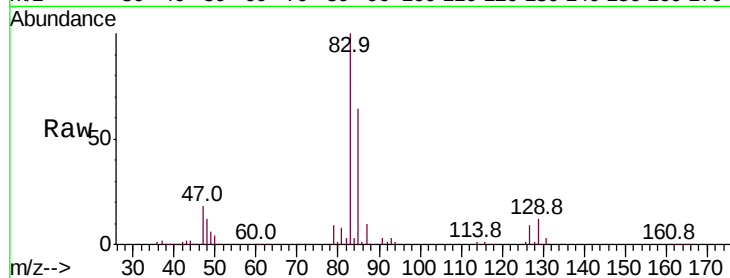
ClientSampleId :

ICVVN052319

Tot Ion:	83	Resp:	236134
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.2	78.2
127	9.2	7.4	11.0

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#48

Methyl methacrylate

Concen: 49.878 ug/l

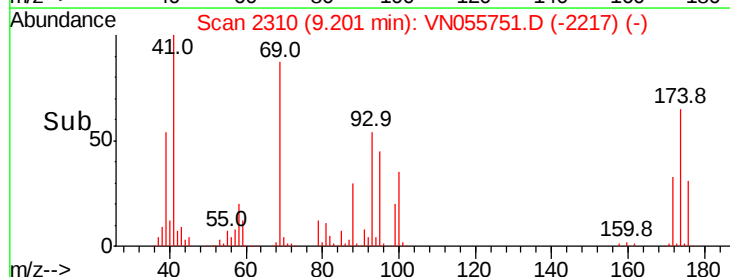
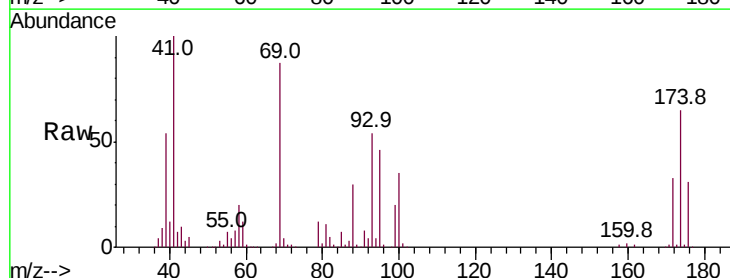
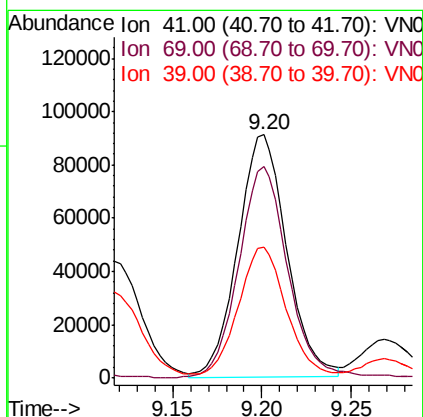
RT: 9.20 min Scan# 2310

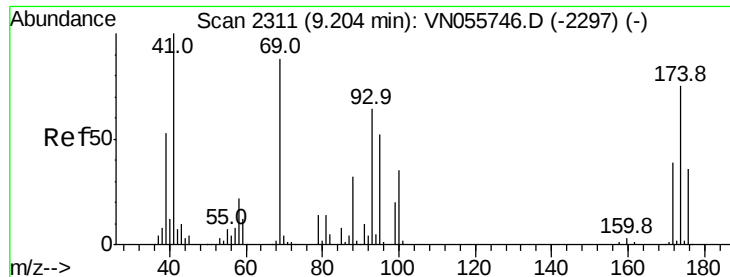
Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion:	41	Resp:	174254
Ion Ratio	Lower	Upper	
41	100		
69	87.9	71.0	106.6
39	53.6	44.2	66.2





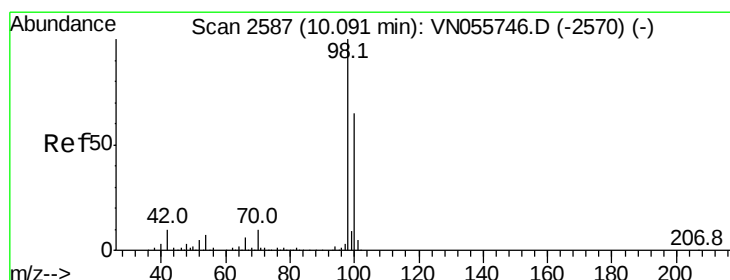
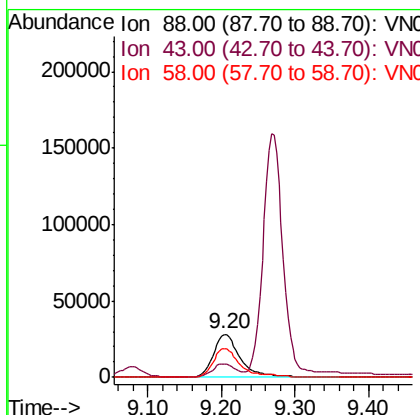
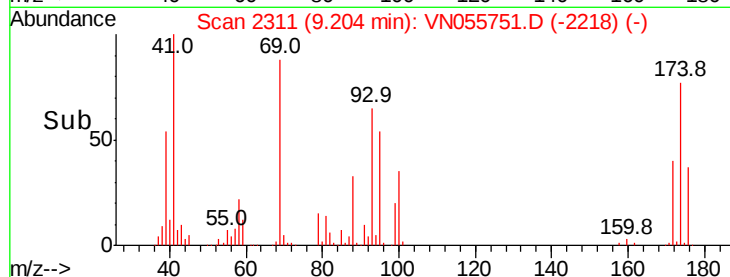
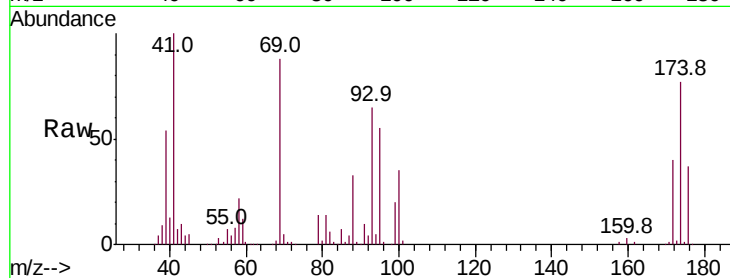
#49
 1,4-Dioxane
 Concen: 992.082 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.3	20.5	30.7
58	68.5	55.8	83.6

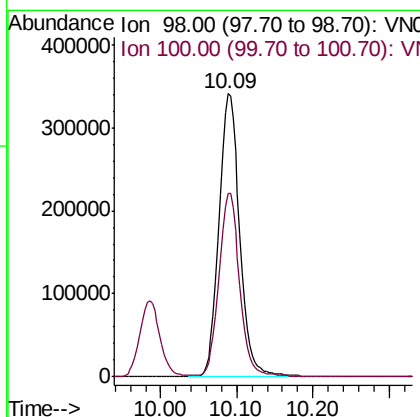
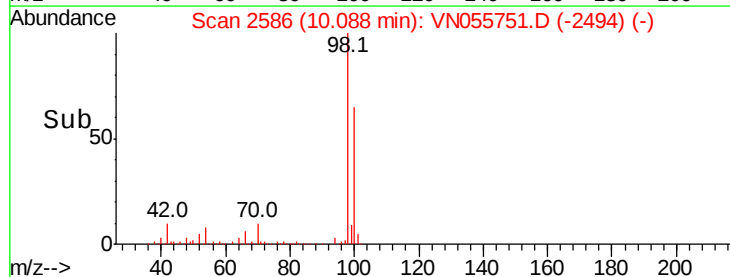
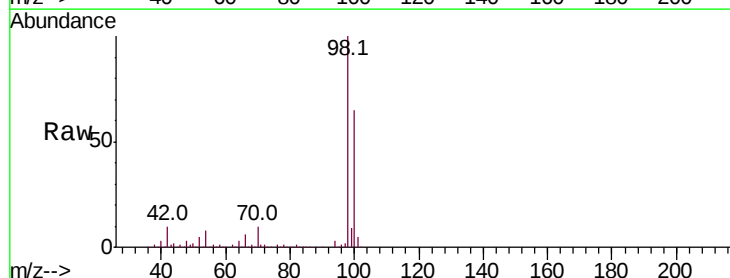
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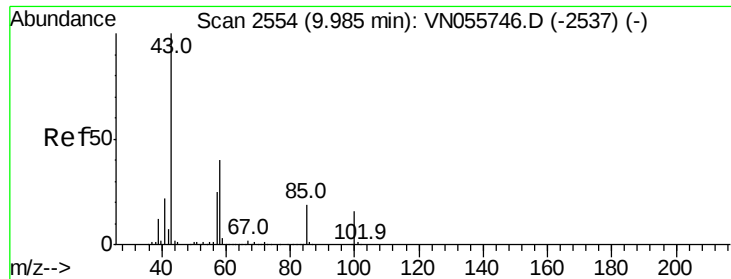
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#50
 Toluene-d8
 Concen: 49.799 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 238.444 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 43 Resp: 1067504

Ion Ratio Lower Upper

43 100

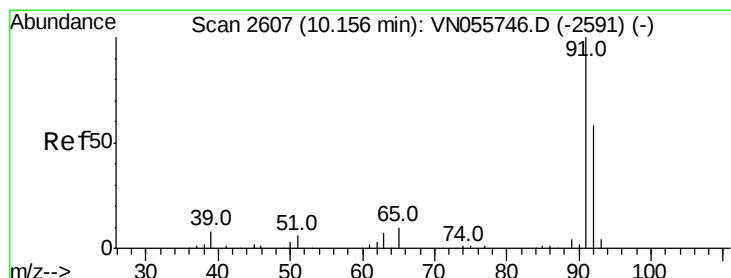
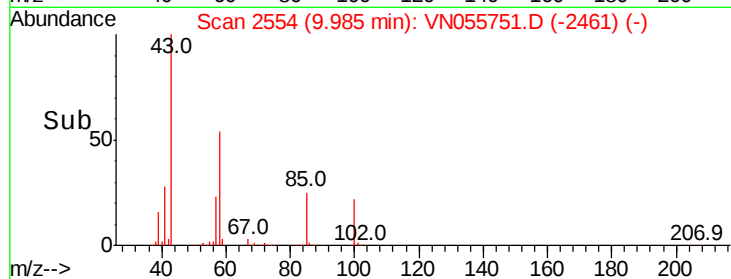
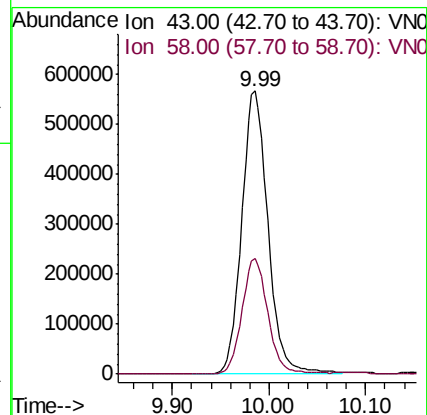
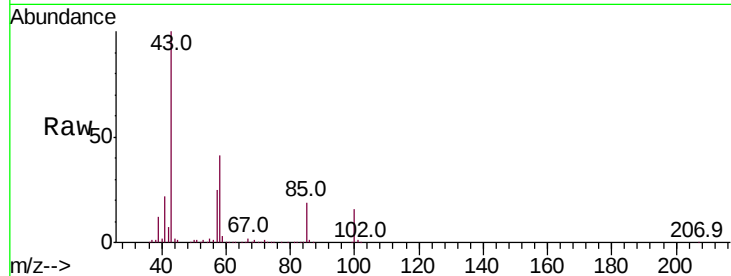
58 40.5 32.1 48.1

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#52

Toluene

Concen: 48.629 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055751.D

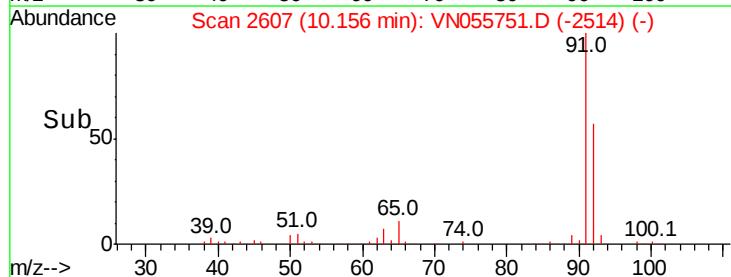
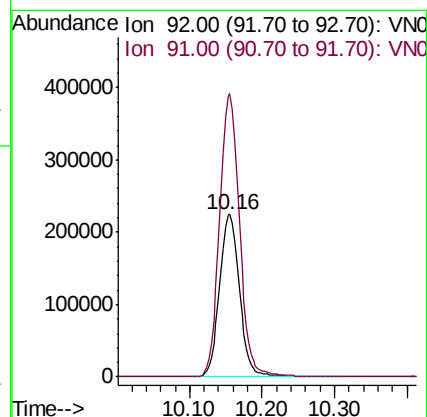
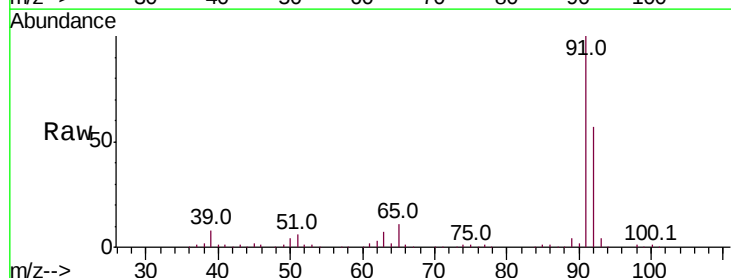
Acq: 23 May 2019 14:03

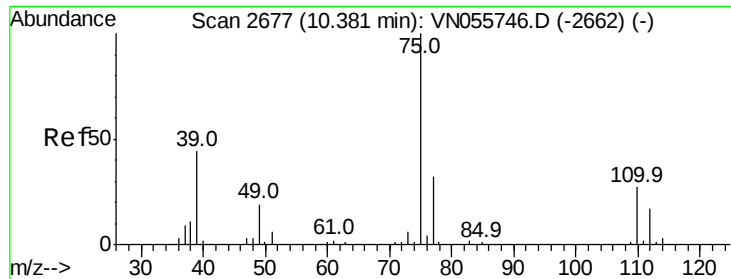
Tgt Ion: 92 Resp: 430270

Ion Ratio Lower Upper

92 100

91 174.1 139.4 209.2





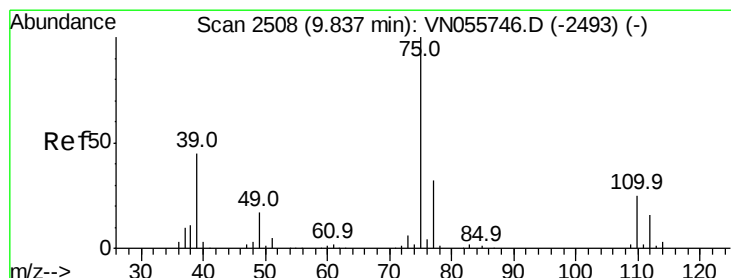
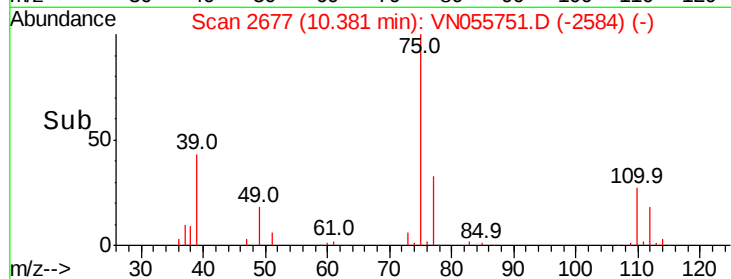
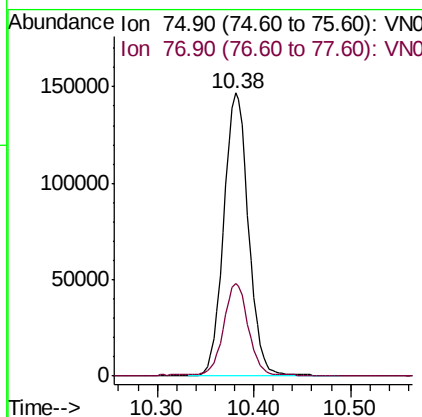
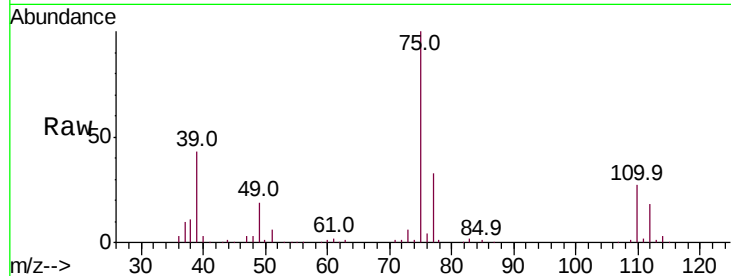
#53
t-1,3-Dichloropropene
Concen: 49.713 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 75 Resp: 261566
Ion Ratio Lower Upper
75 100
77 32.7 25.8 38.6

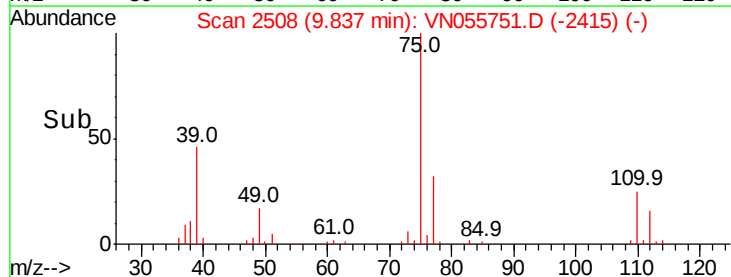
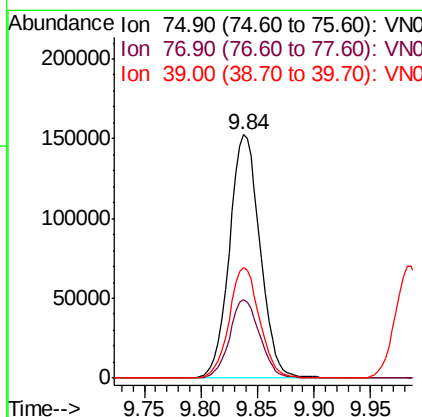
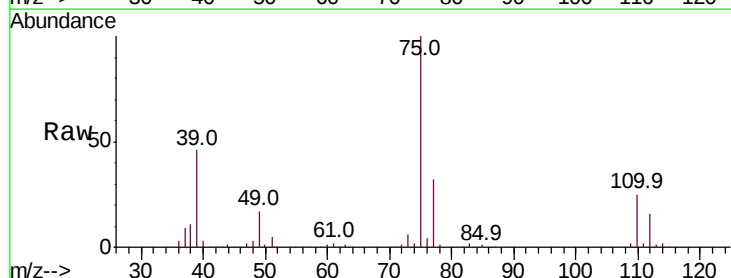
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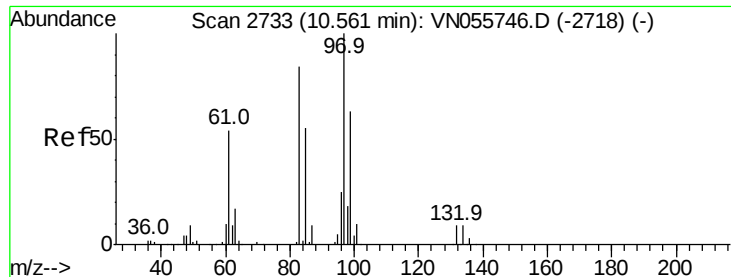
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#54
cis-1,3-Dichloropropene
Concen: 49.223 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 75 Resp: 286905
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0
39 45.6 36.3 54.5





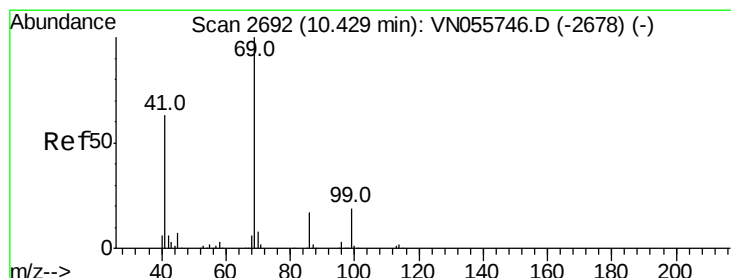
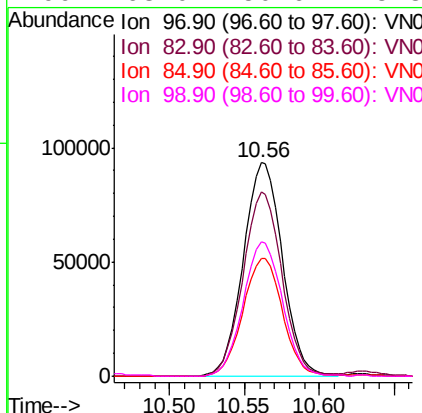
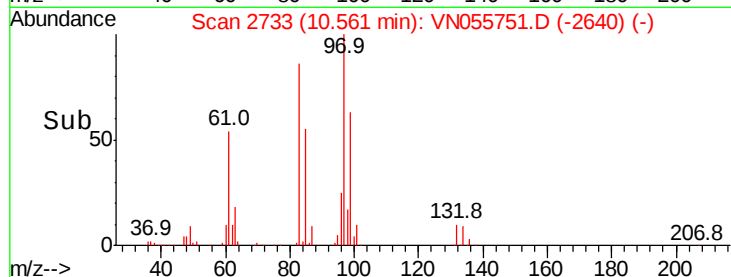
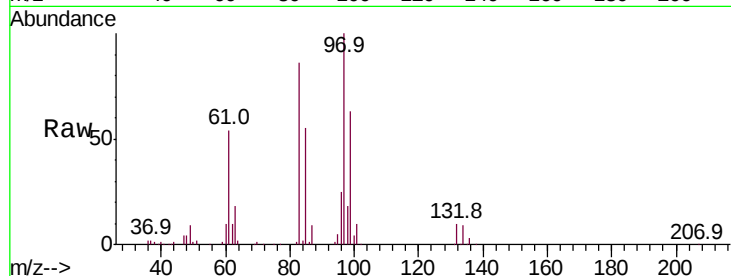
#55
 1,1,2-Trichloroethane
 Concen: 48.002 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion:	97	Resp:	170150
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.0	100.6
85	55.4	44.0	66.0
99	63.0	50.6	75.8

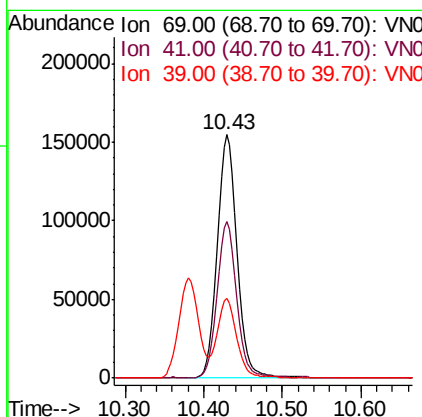
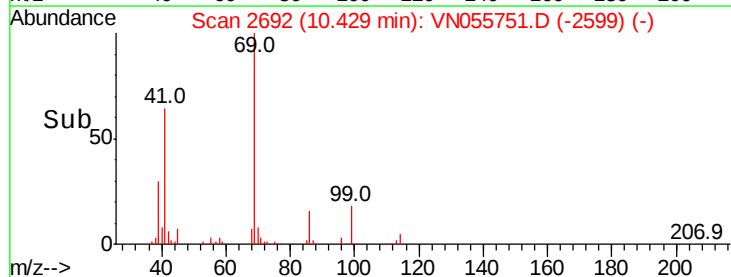
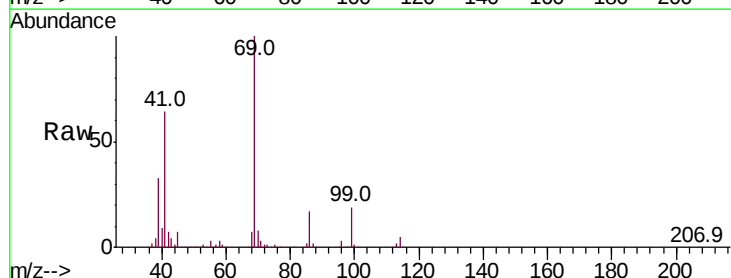
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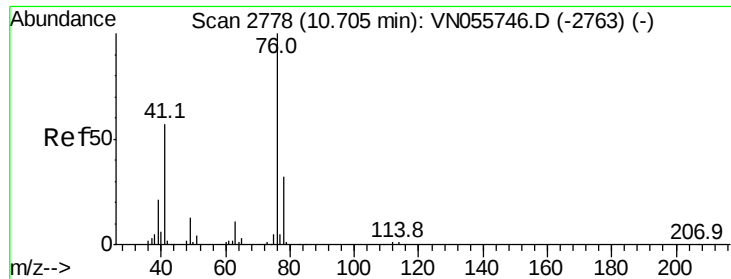
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#56
 Ethyl methacrylate
 Concen: 48.920 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion:	69	Resp:	267992
Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.7	74.5
39	32.0	24.7	37.1





#57

1,3-Dichloropropane

Concen: 48.053 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 76 Resp: 276870

Ion Ratio Lower Upper

76 100

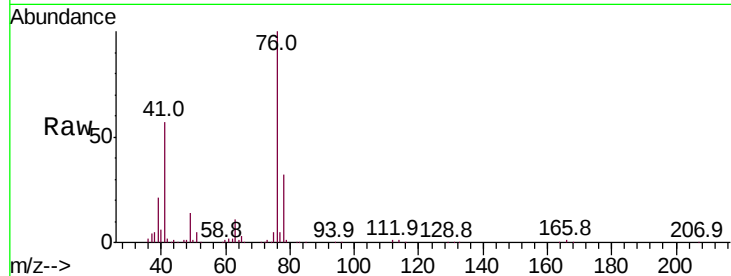
78 32.5 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VN055746.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN055746.D (-2763) (-)

10.71

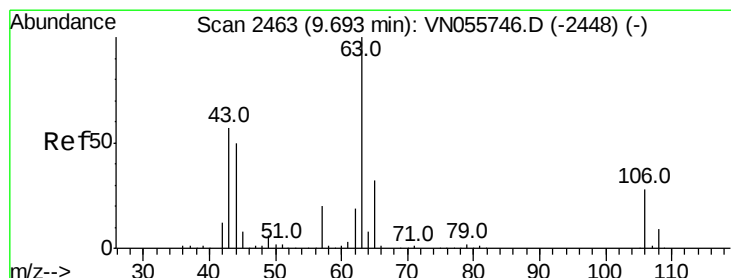
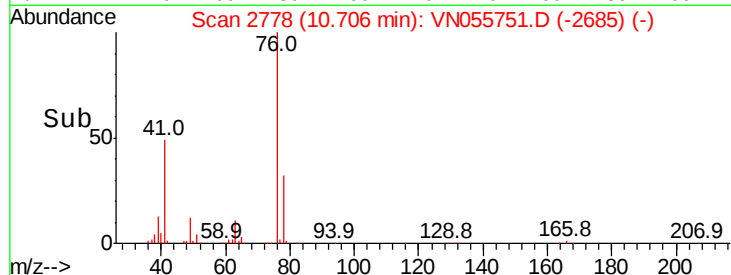
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 244.589 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055751.D

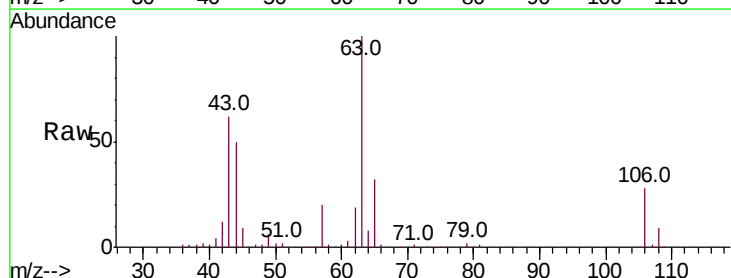
Acq: 23 May 2019 14:03

Tgt Ion: 63 Resp: 512053

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN055746.D (-2448) (-)

9.70

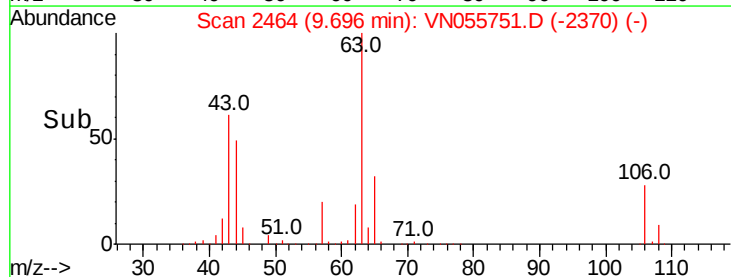
300000

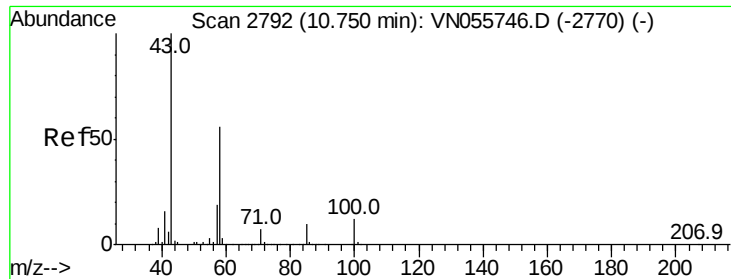
200000

100000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 246.243 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 43 Resp: 782065

Ion Ratio Lower Upper

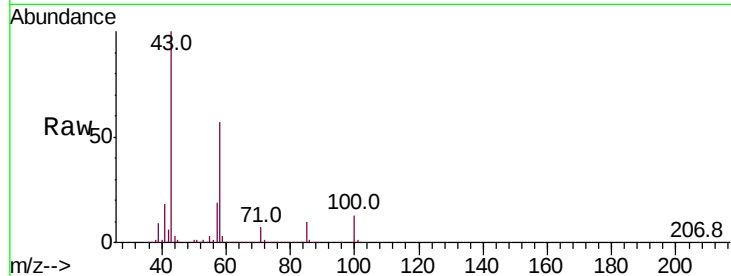
43 100

58 56.7 28.2 84.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

500000

400000

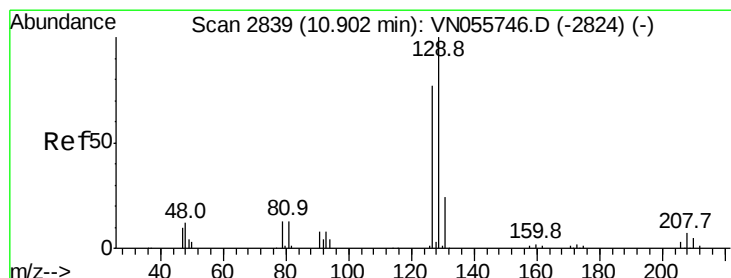
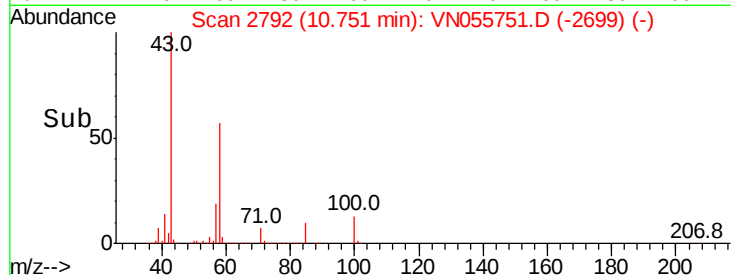
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 49.146 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055751.D

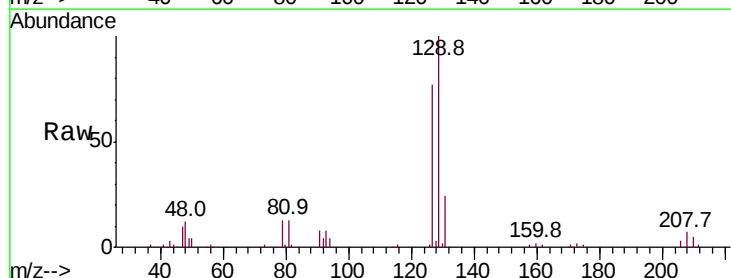
Acq: 23 May 2019 14:03

Tgt Ion: 129 Resp: 202939

Ion Ratio Lower Upper

129 100

127 77.2 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

120000

100000

80000

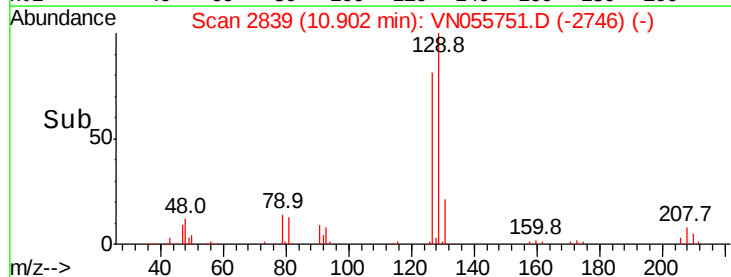
60000

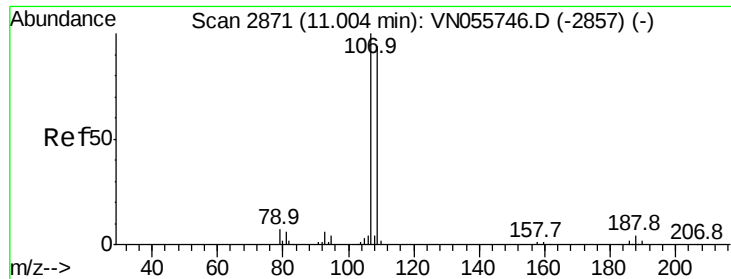
40000

20000

0

Time-->





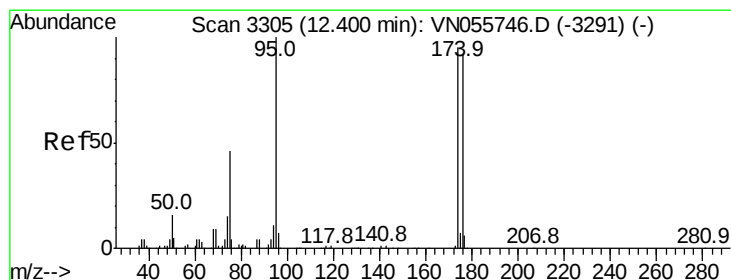
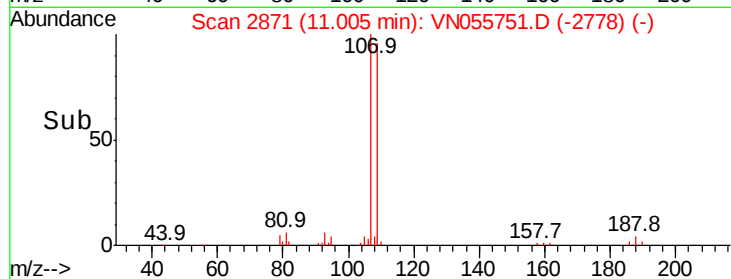
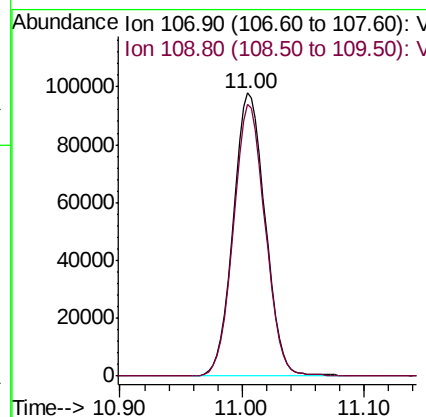
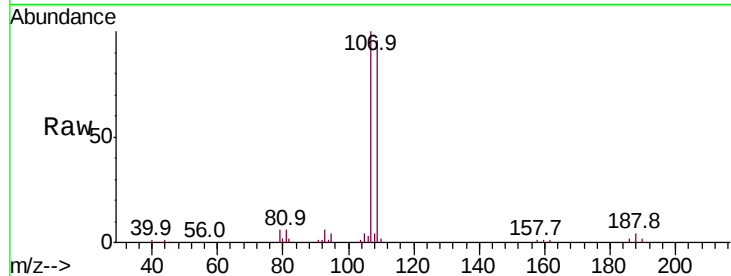
#61
 1,2-Dibromoethane
 Concen: 48.627 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Resp	Lower	Upper
107	100	178787		
109	95.6	74.8	112.2	

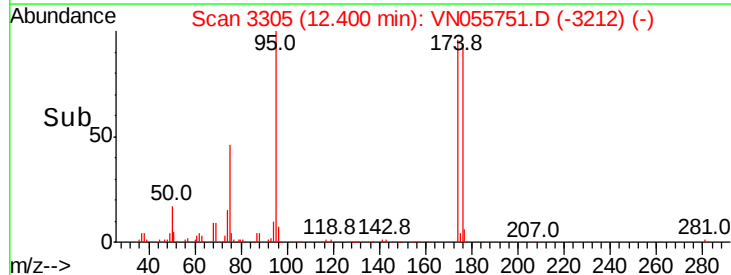
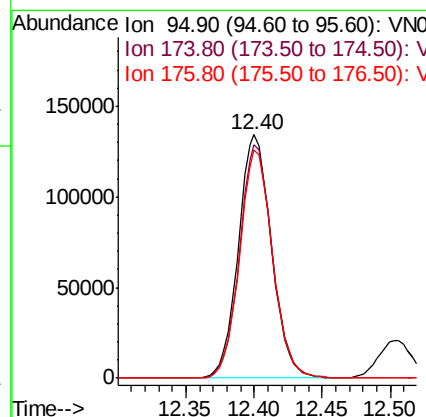
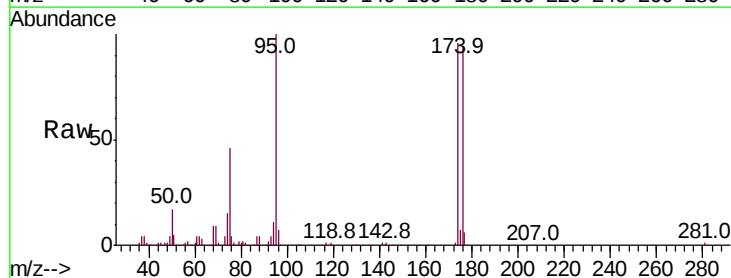
Manual Integrations
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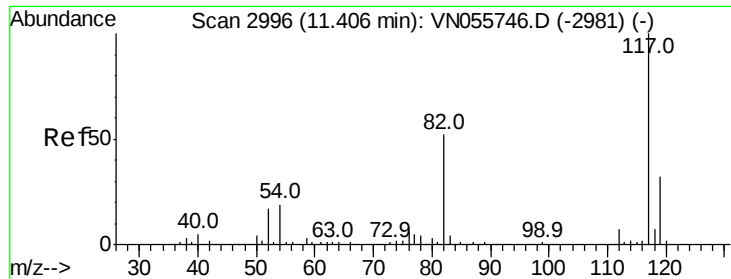
MMDadoda
 5/24/2019 9:22:24 AM



#62
 4-Bromofluorobenzene
 Concen: 50.570 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	225257		
174	95.5	0.0	191.0	
176	93.4	0.0	185.2	





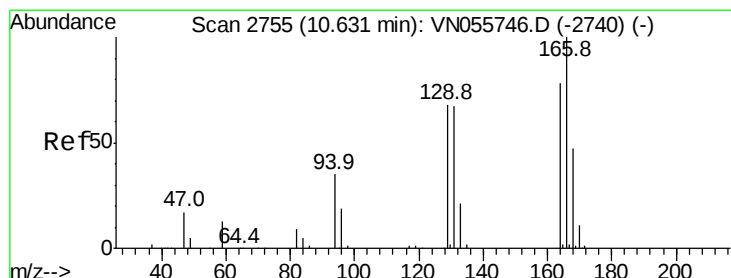
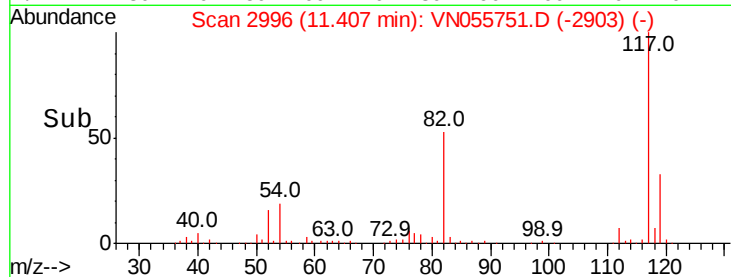
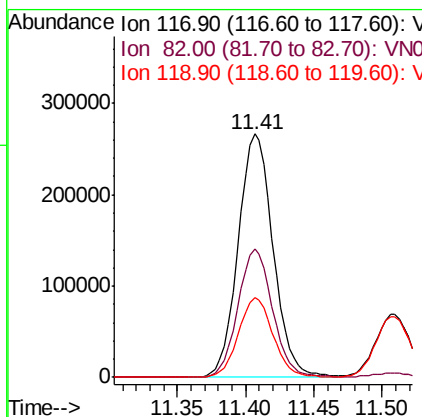
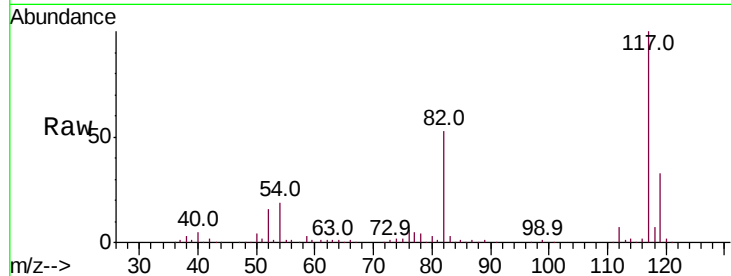
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.8
119	32.7	25.4	38.0

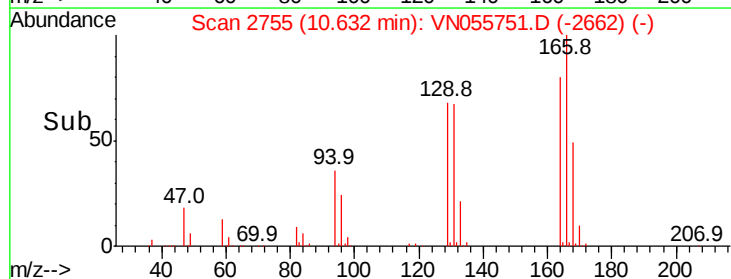
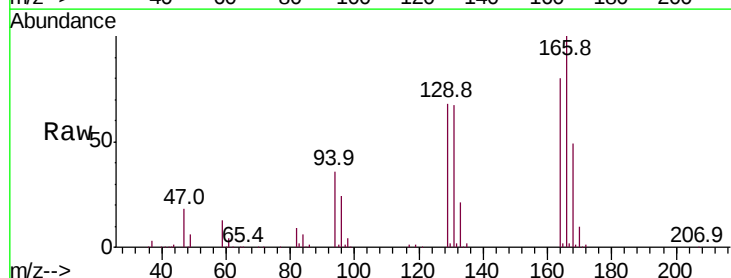
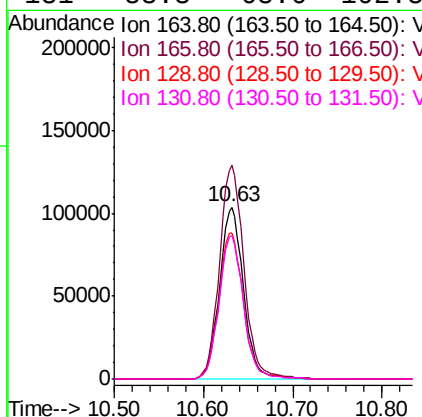
Manual Integrations
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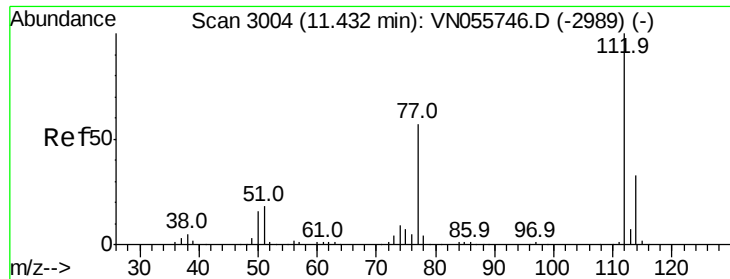
MMDadoda
5/24/2019 9:22:24 AM



#64
Tetrachloroethene
Concen: 48.168 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.0	154.6
129	85.1	70.6	105.8
131	83.3	68.6	102.8





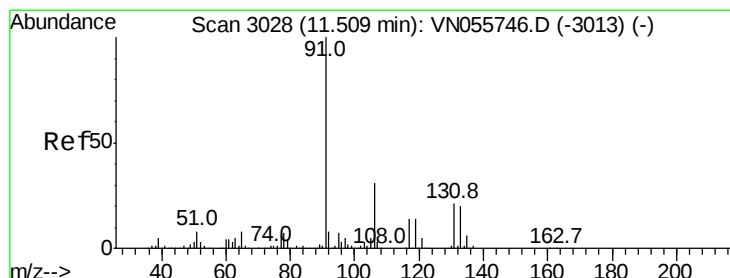
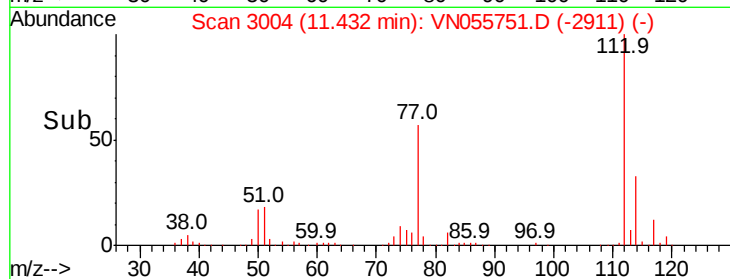
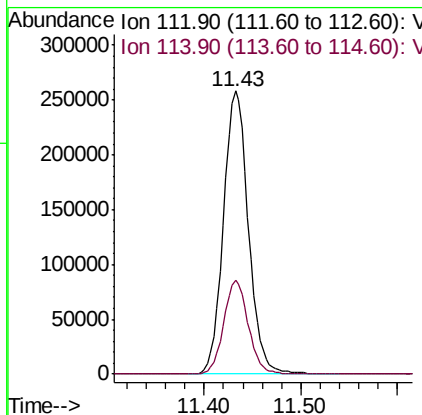
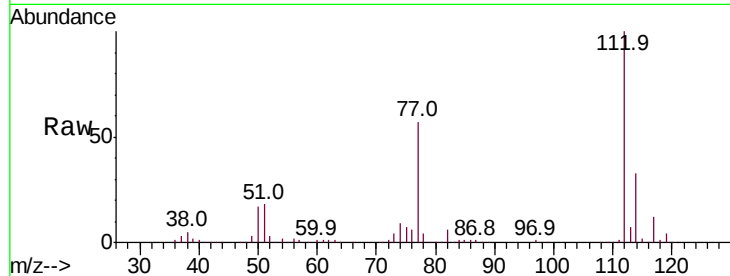
#65
Chlorobenzene
Concen: 48.715 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion:112 Resp: 462904
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4

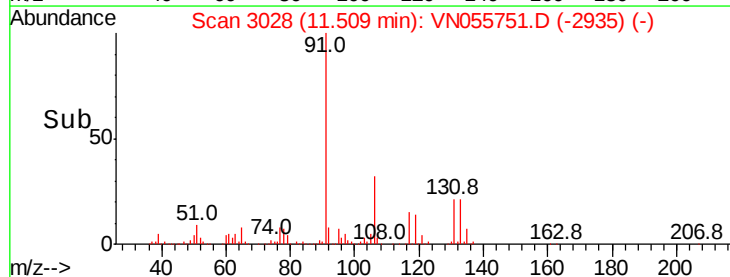
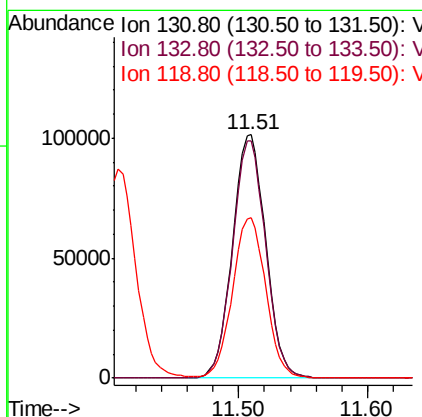
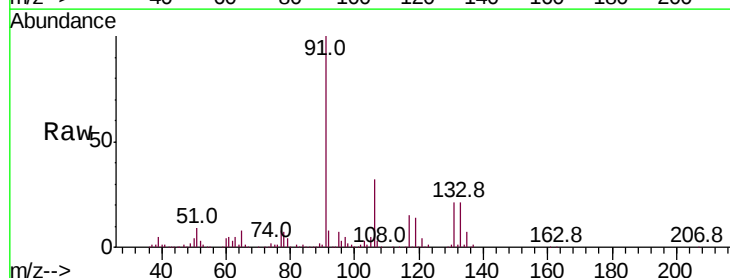
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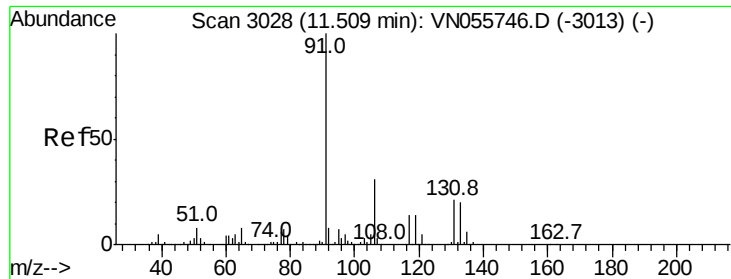
MMDadoda
5/24/2019 9:22:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.900 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion:131 Resp: 181536
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 66.1 33.1 99.5





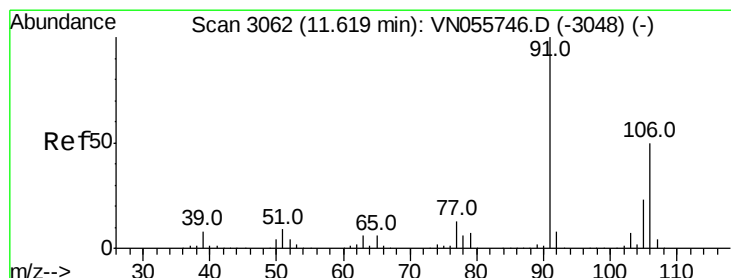
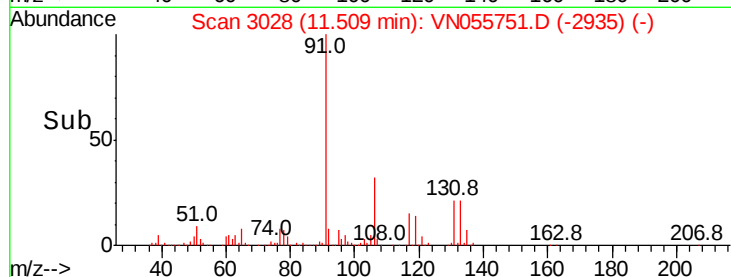
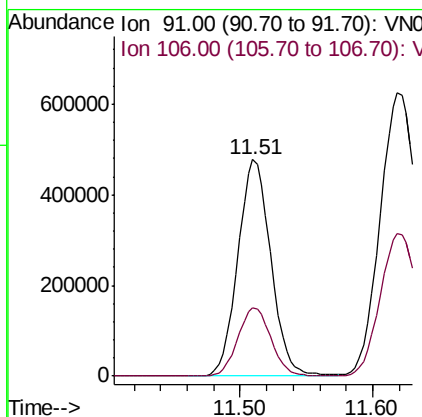
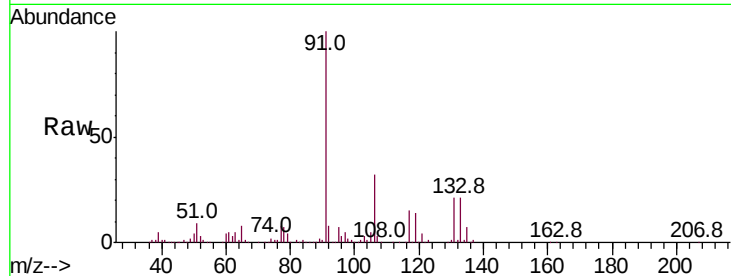
#67
Ethyl Benzene
Concen: 48.460 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion: 91 Resp: 825782
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

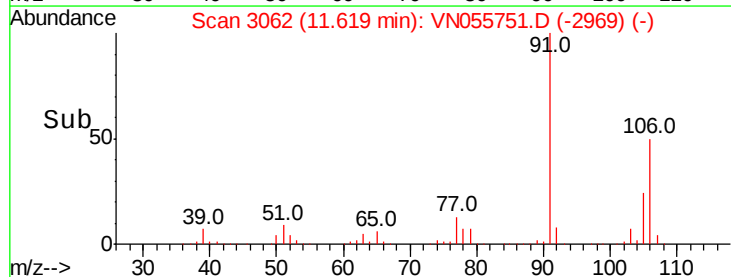
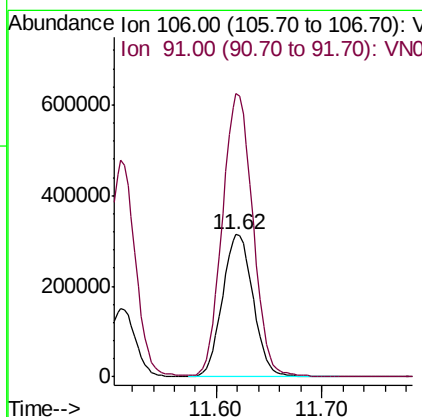
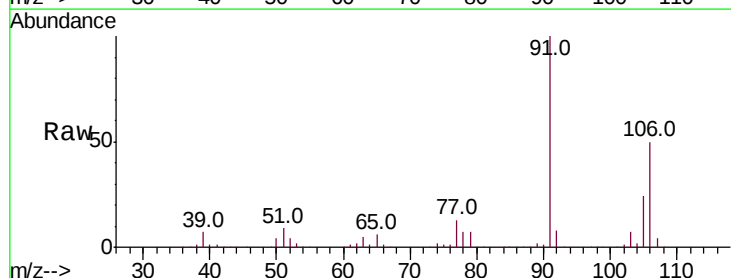
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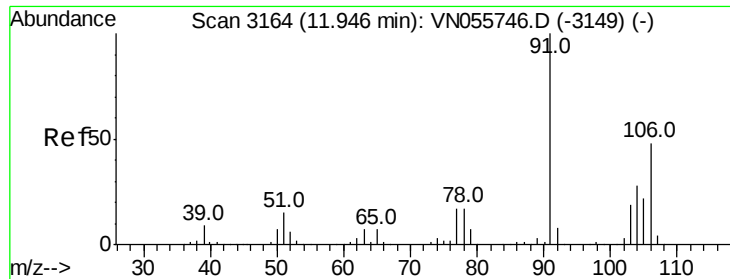
MMDadoda
5/24/2019 9:22:24 AM



#68
m/p-Xylenes
Concen: 98.376 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion: 106 Resp: 633750
Ion Ratio Lower Upper
106 100
91 197.8 159.3 238.9





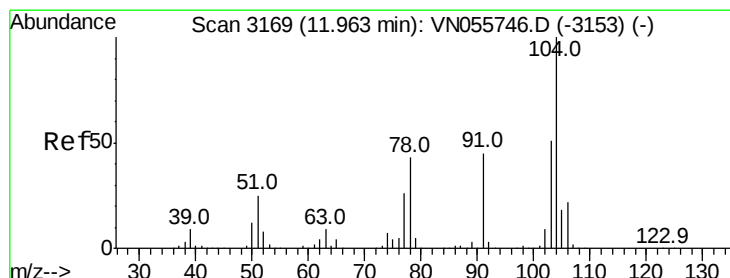
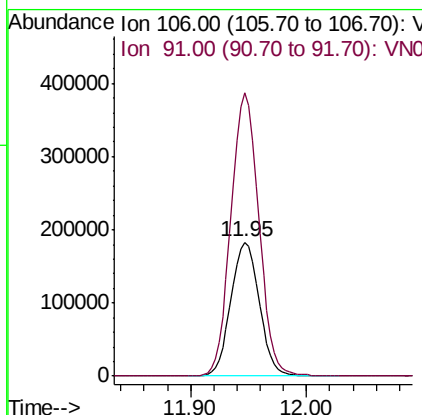
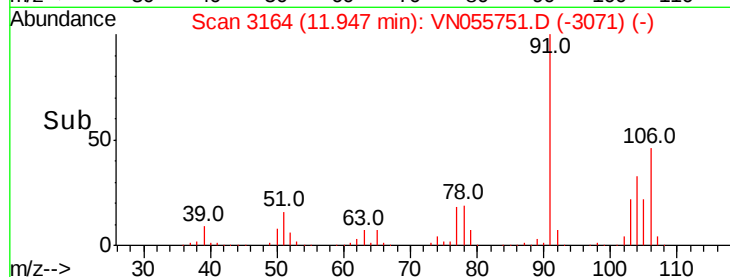
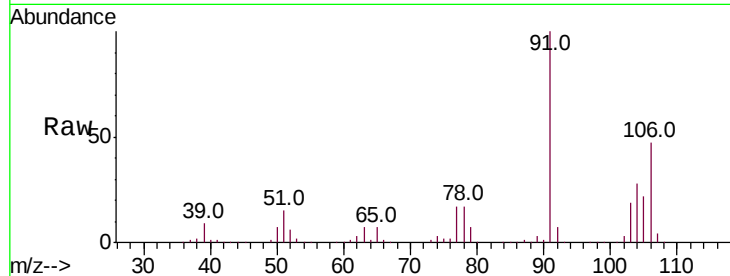
#69
o-Xylene
Concen: 48.660 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion:106 Resp: 311004
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1

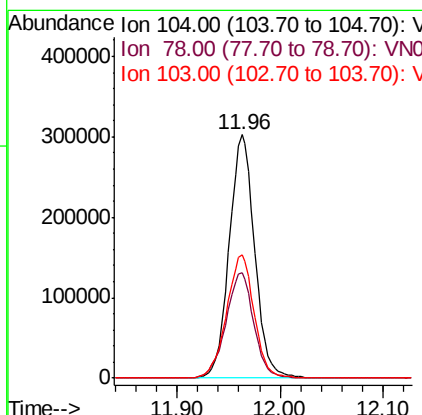
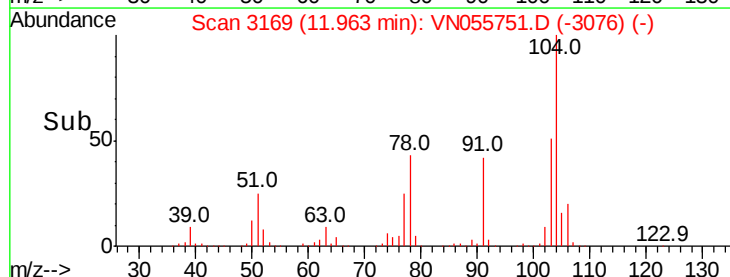
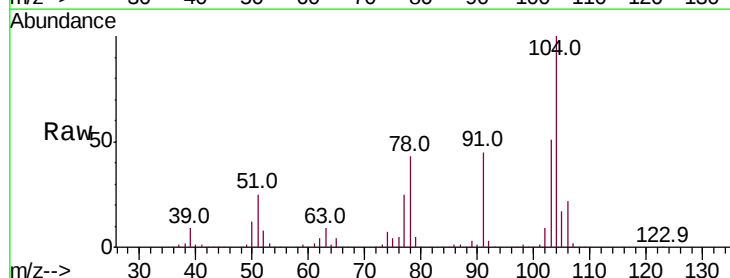
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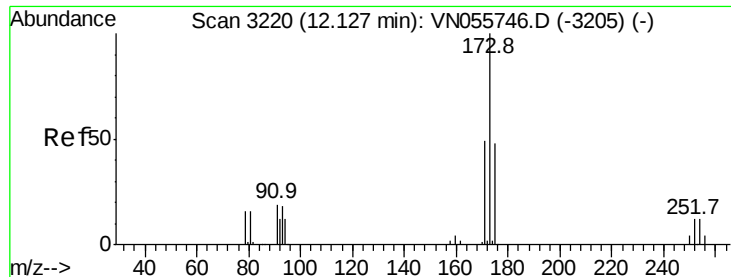
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#70
Styrene
Concen: 50.295 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion:104 Resp: 520569
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 54.9 44.2 66.2





#71

Bromoform

Concen: 50.020 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion:173 Resp: 161696

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

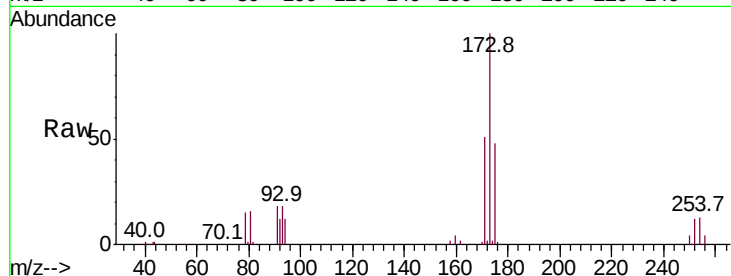
254 0.1 0.0 0.0#

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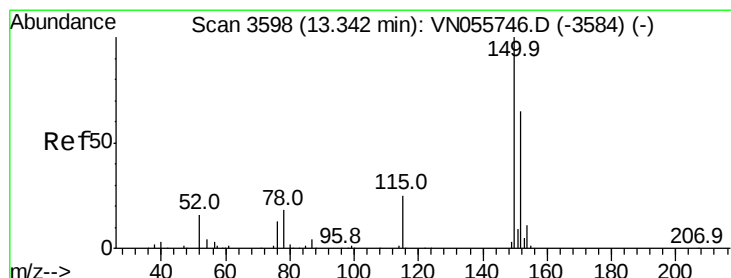
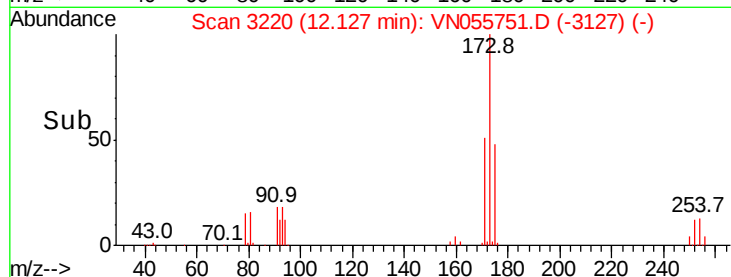
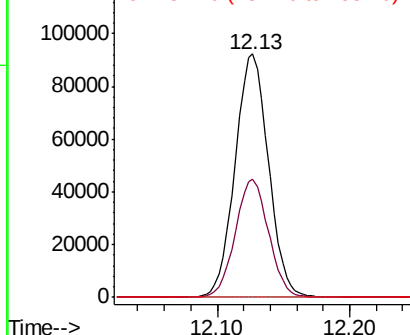


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

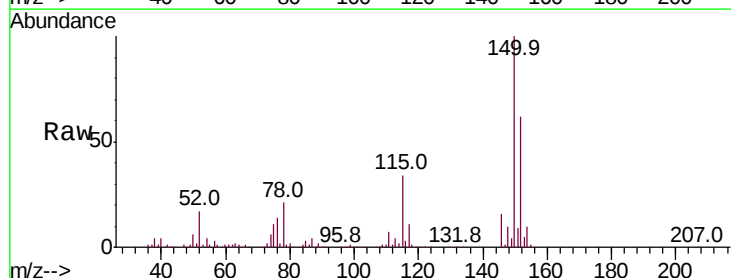
Tgt Ion:152 Resp: 225021

Ion Ratio Lower Upper

152 100

115 53.3 27.0 81.0

150 173.3 0.0 343.2

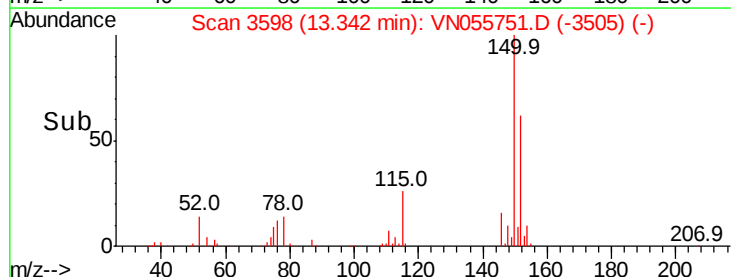
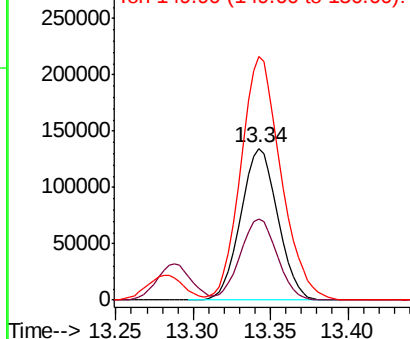


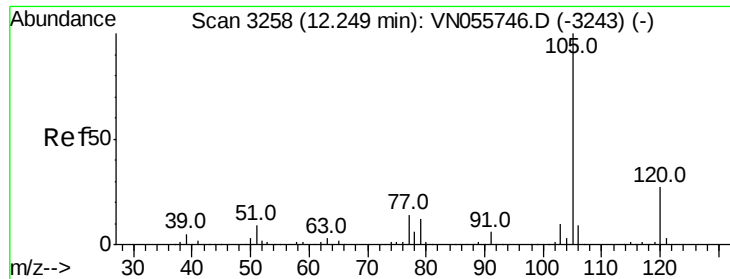
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.288 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion:105 Resp: 819839

Ion Ratio Lower Upper

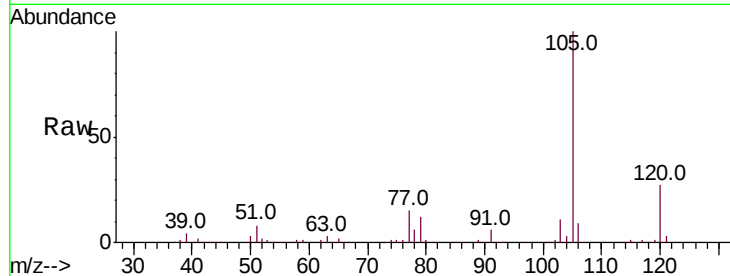
105 100

120 27.1 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

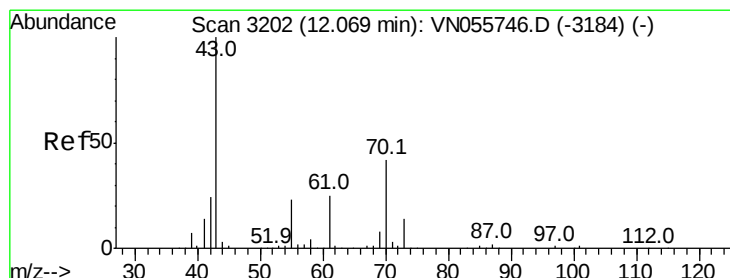
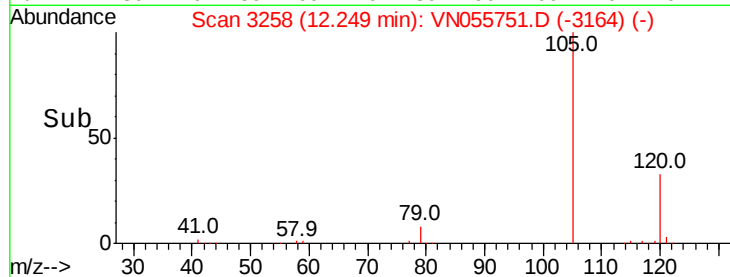
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.118 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion: 43 Resp: 299540

Ion Ratio Lower Upper

43 100

70 43.3 34.0 51.0

55 23.9 18.6 28.0

61 25.4 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

250000

200000

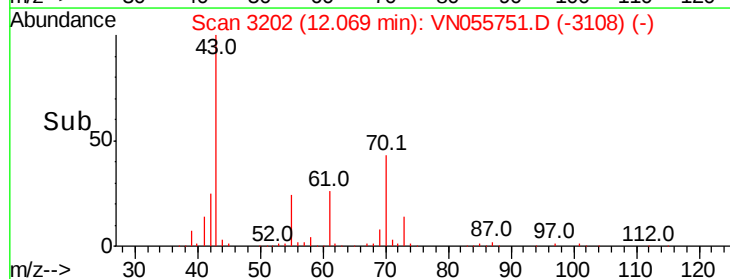
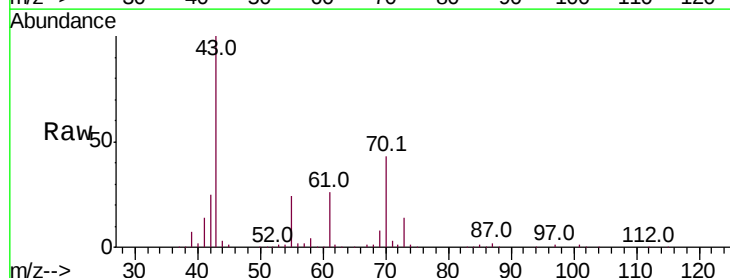
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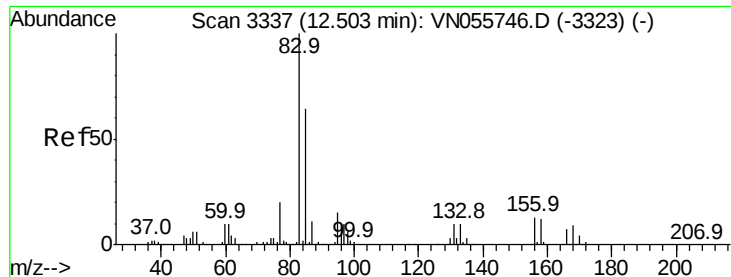
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.210 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

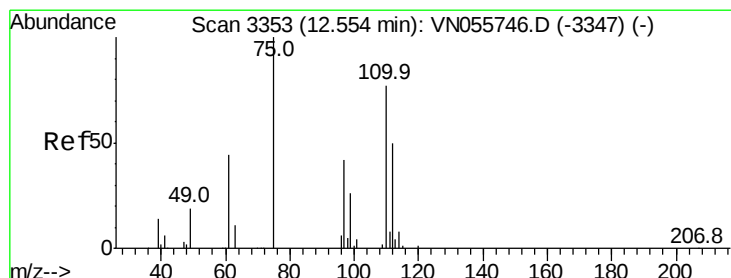
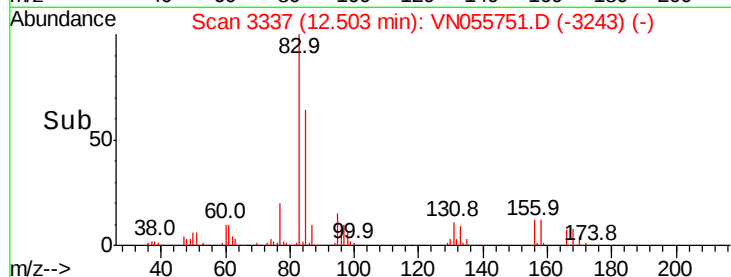
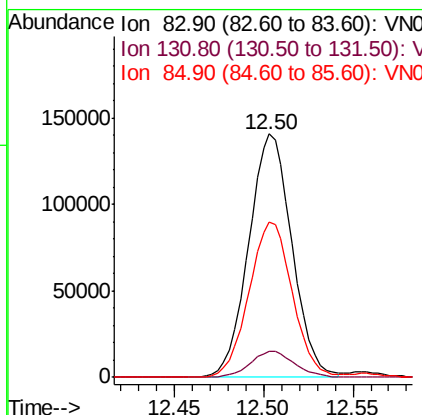
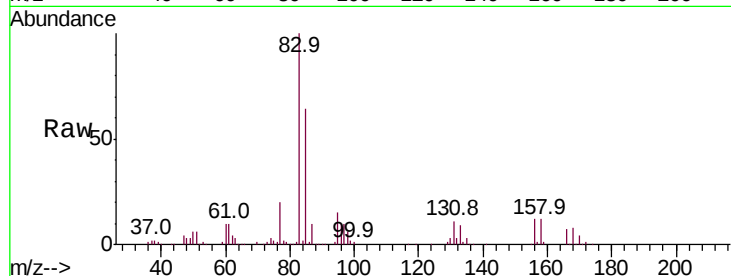
ClientSampleId :

ICVVN052319

Tot Ion:	83	Resp:	237965
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.355 ug/l m

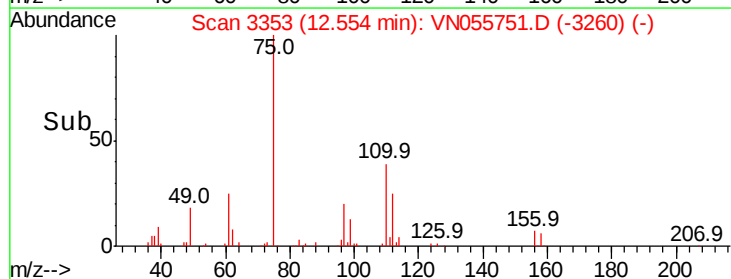
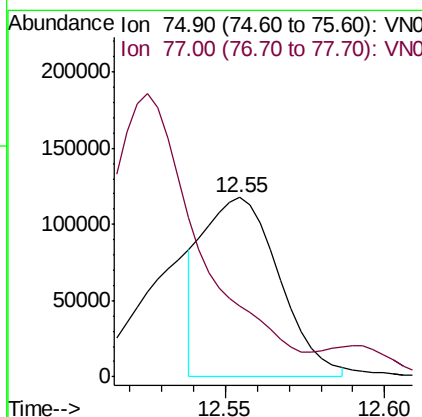
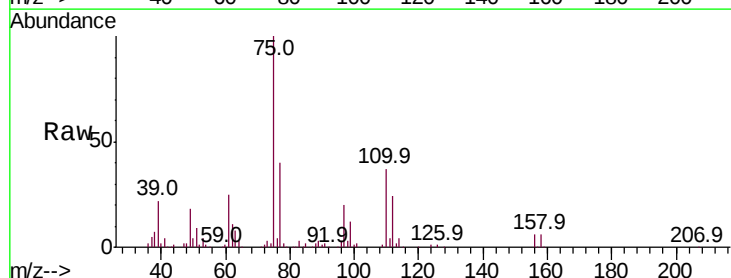
RT: 12.55 min Scan# 3353

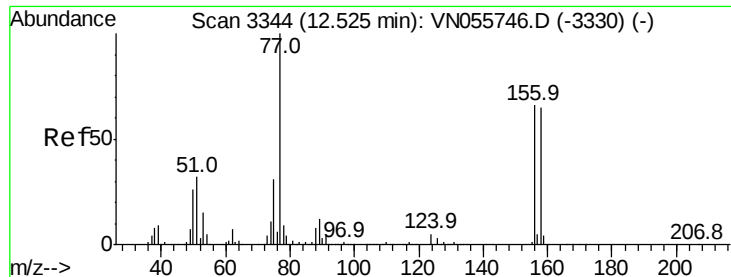
Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Tgt Ion:	75	Resp:	195019
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





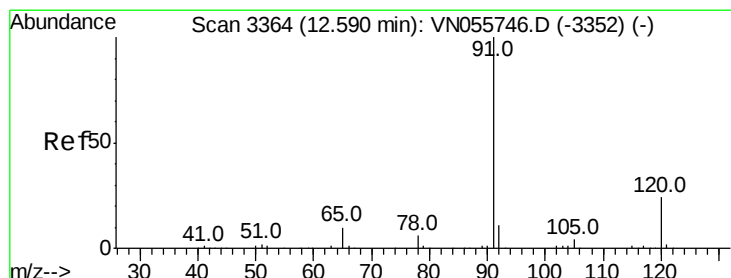
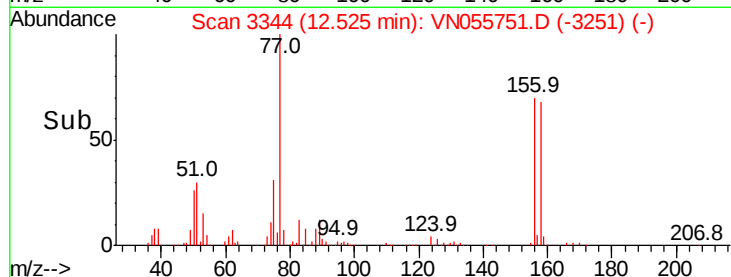
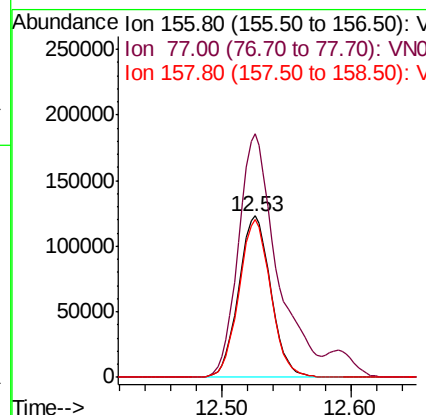
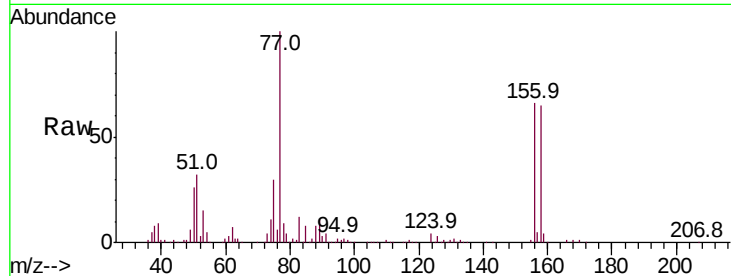
#77
Bromobenzene
Concen: 44.402 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.2	90.8	272.5
158	96.6	49.3	147.8

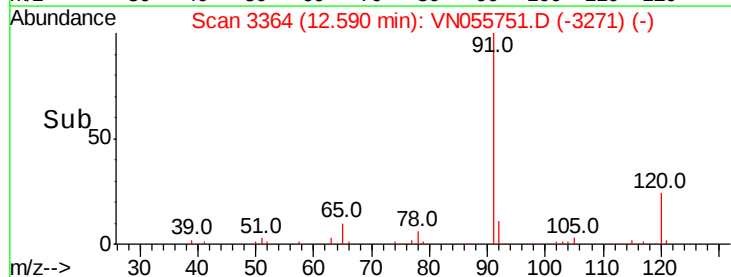
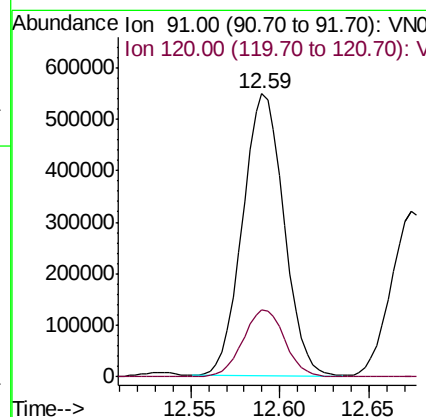
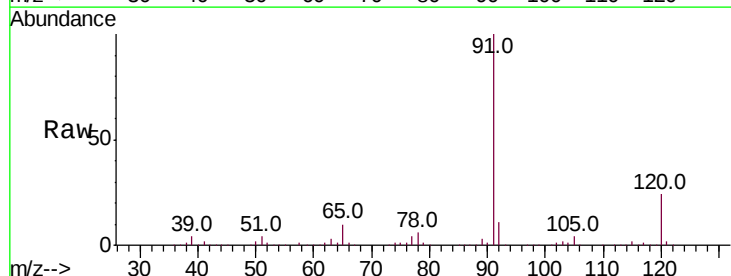
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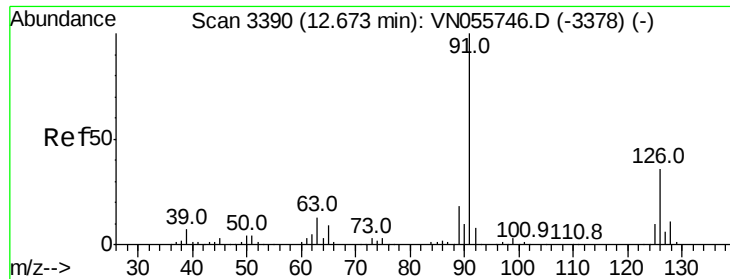
MMDadoda
5/24/2019 9:22:24 AM



#78
n-propylbenzene
Concen: 45.099 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 50.181 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion: 91 Resp: 528535

Ion Ratio Lower Upper

91 100

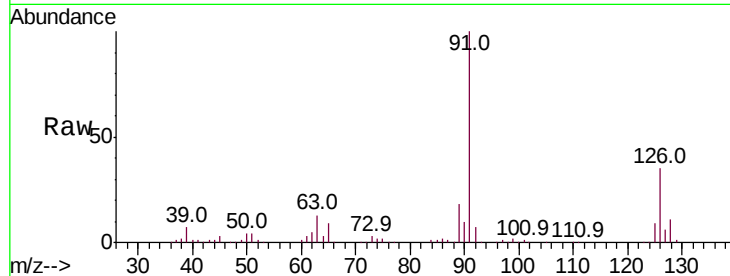
126 35.9 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

12.67

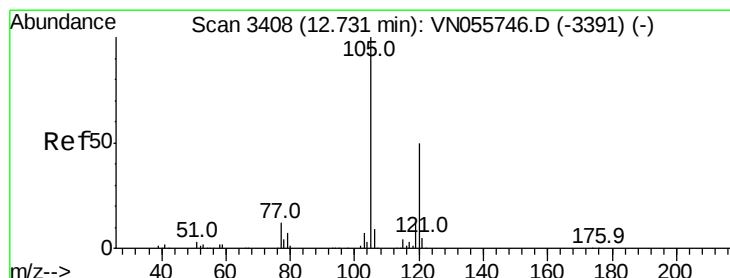
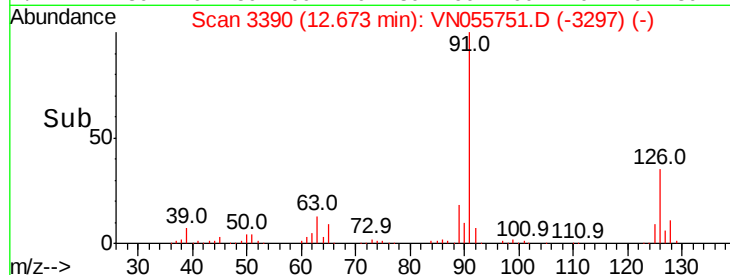
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 50.009 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055751.D

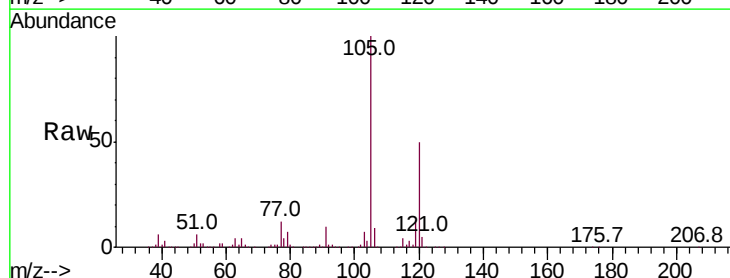
Acq: 23 May 2019 14:03

Tgt Ion:105 Resp: 673779

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

12.73

500000

400000

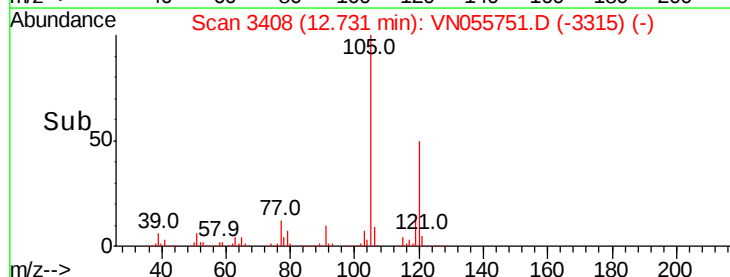
300000

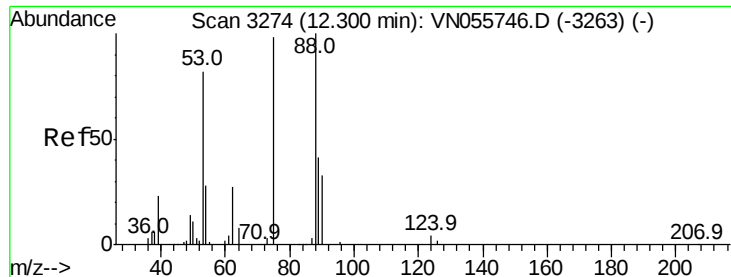
200000

100000

0

Time--> 12.70 12.80





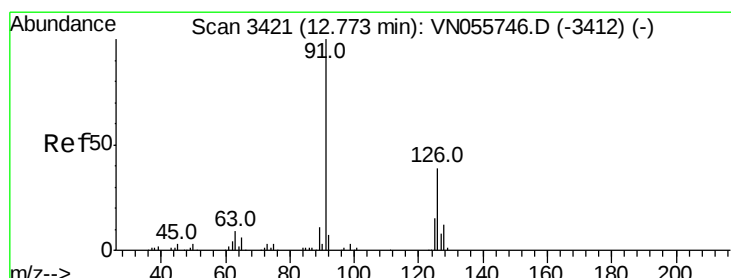
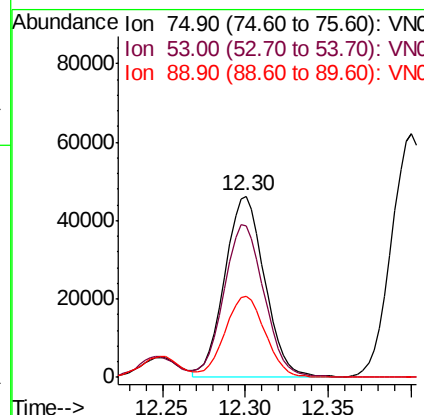
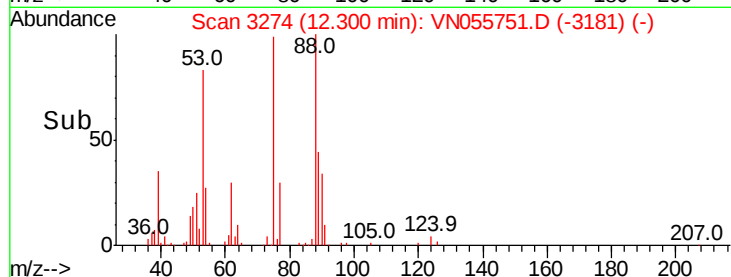
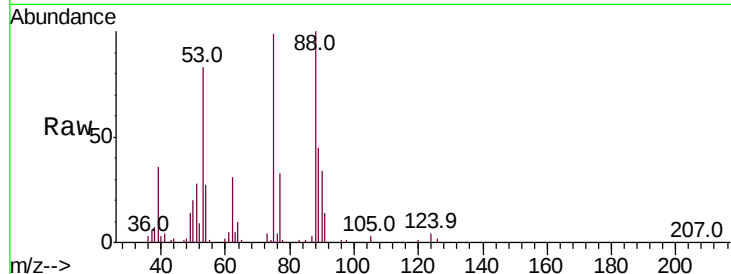
#81
trans-1,4-Dichloro-2-butene
Concen: 46.418 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.9	68.1	102.1
89	44.8	36.9	55.3

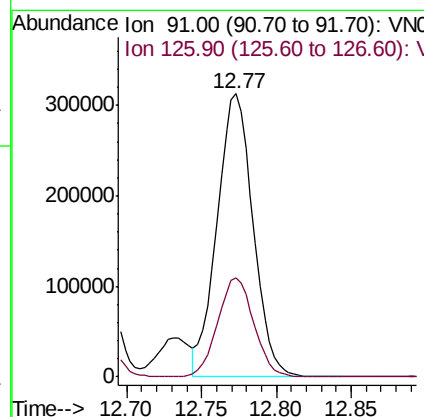
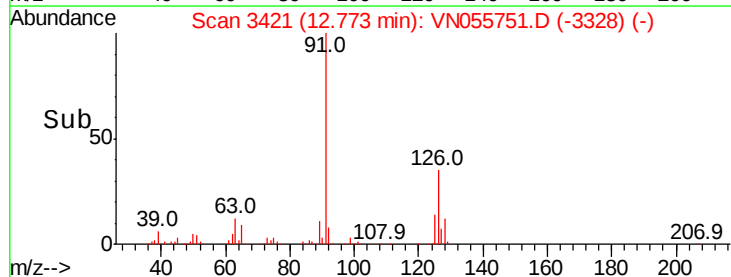
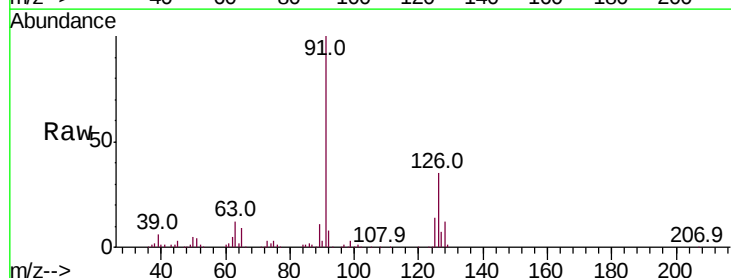
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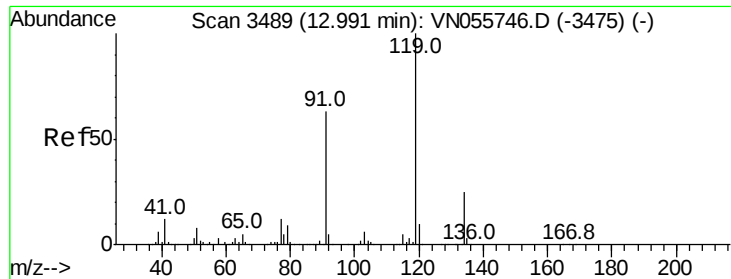
MMDadoda
5/24/2019 9:22:24 AM



#82
4-Chlorotoluene
Concen: 45.540 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.3





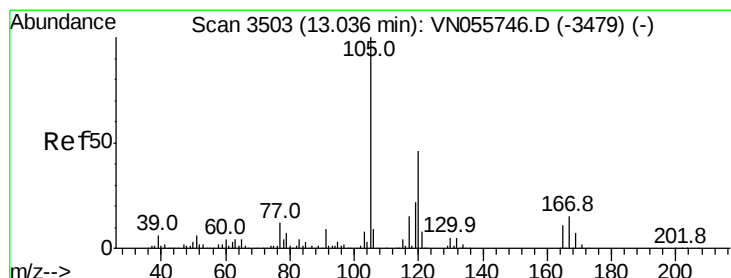
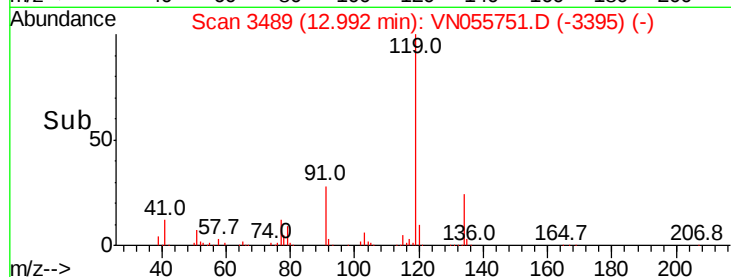
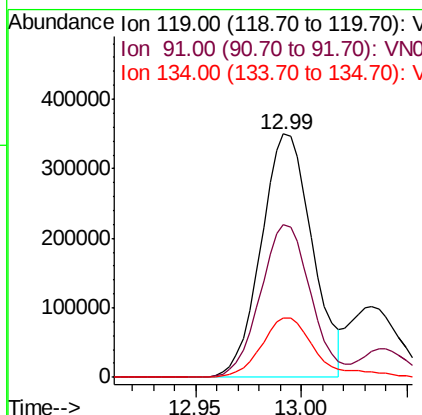
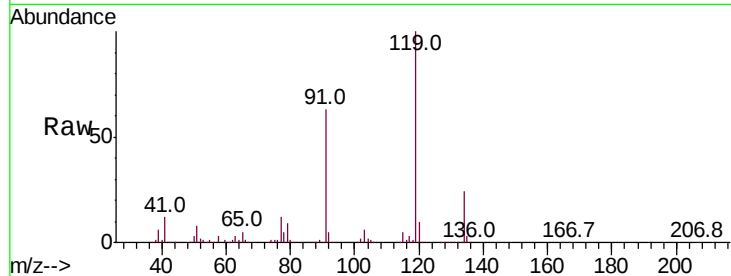
#83
tert-Butylbenzene
Concen: 50.737 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Resp	Lower	Upper
119	100	590375		
91	61.6	30.9	92.8	
134	26.1	13.3	39.8	

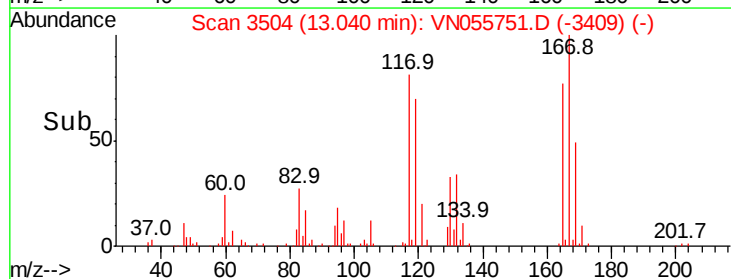
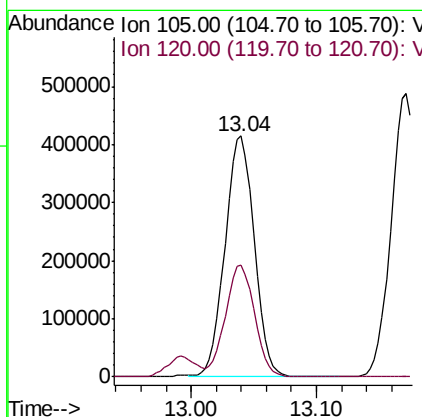
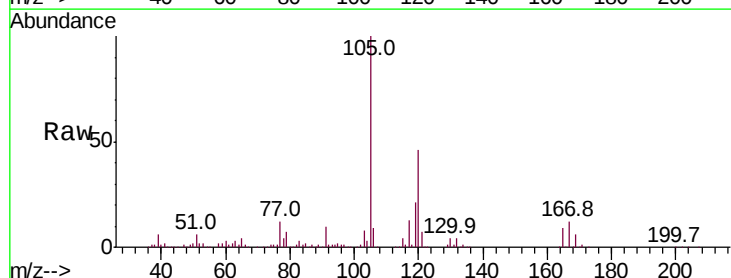
Manual Integrations
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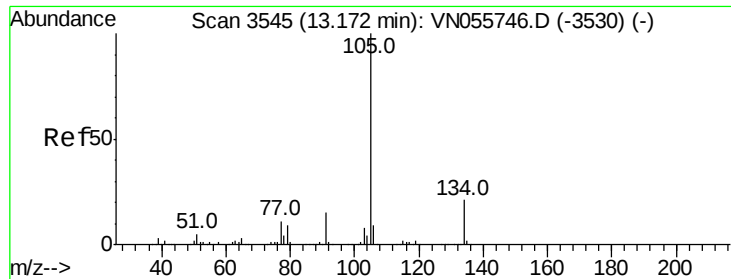
MMDadoda
5/24/2019 9:22:24 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.909 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	671392		
120	46.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 51.429 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052319

Tot Ion:105 Resp: 778026

Ion Ratio Lower Upper

105 100

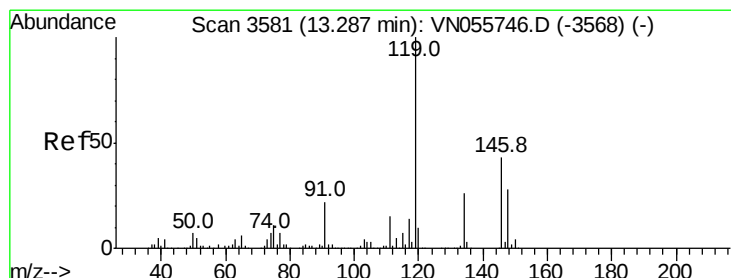
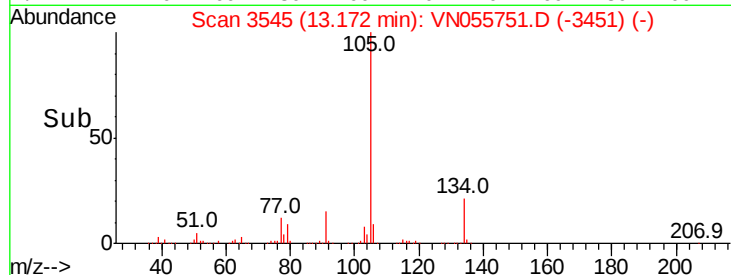
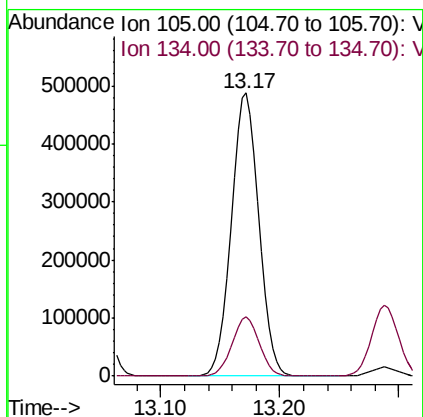
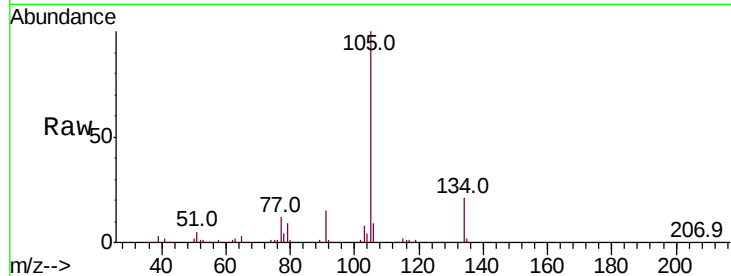
134 20.7 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.145 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055751.D

Acq: 23 May 2019 14:03

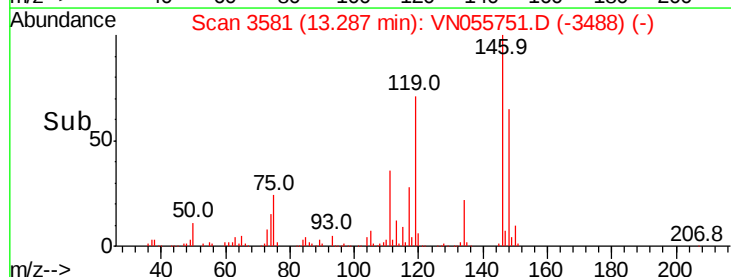
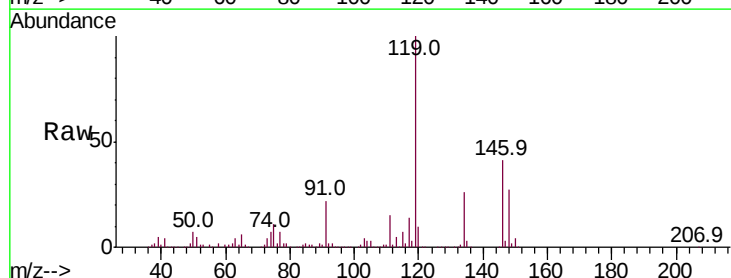
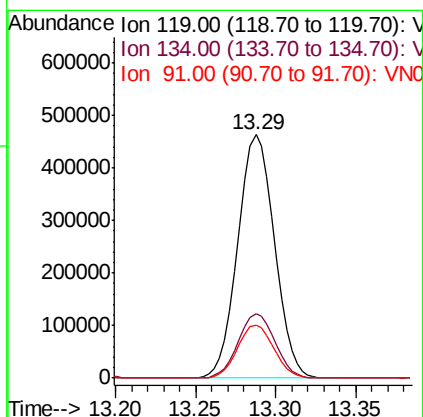
Tgt Ion:119 Resp: 721099

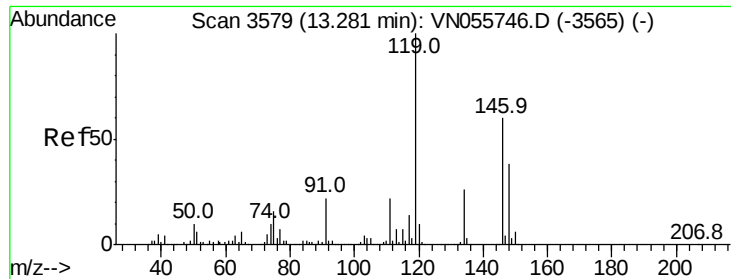
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.6 10.9 32.9





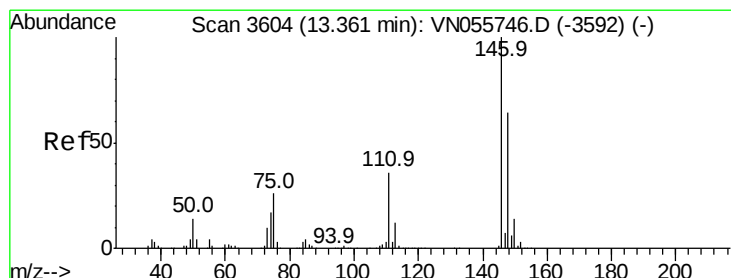
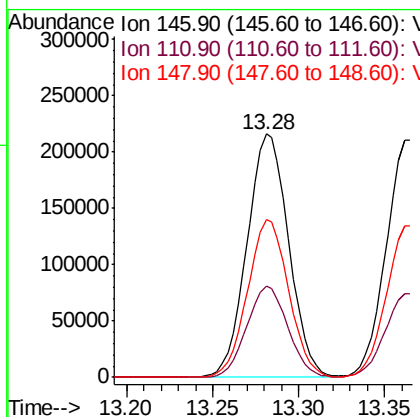
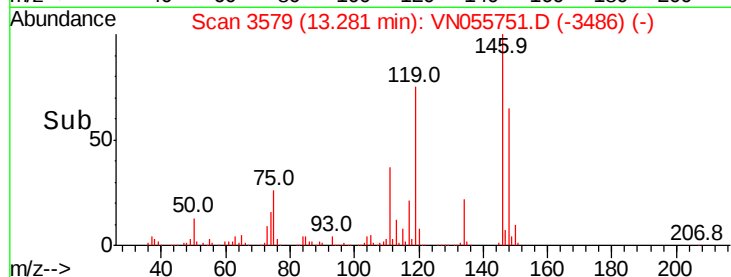
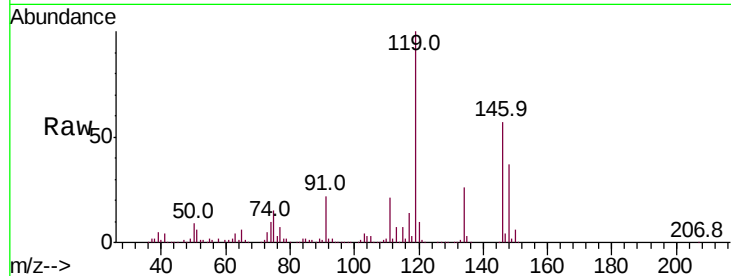
#87
 1,3-Dichlorobenzene
 Concen: 47.649 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	63.9	32.0	96.2

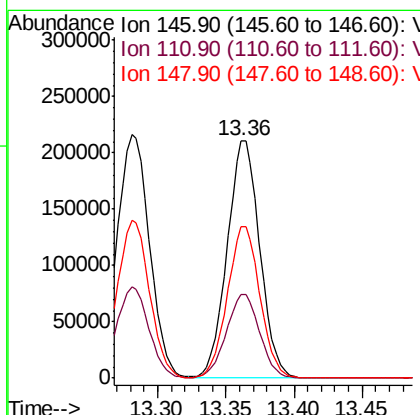
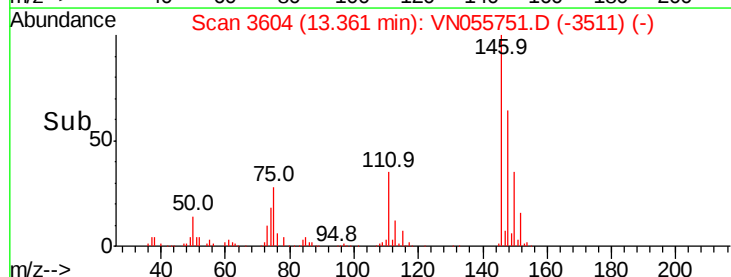
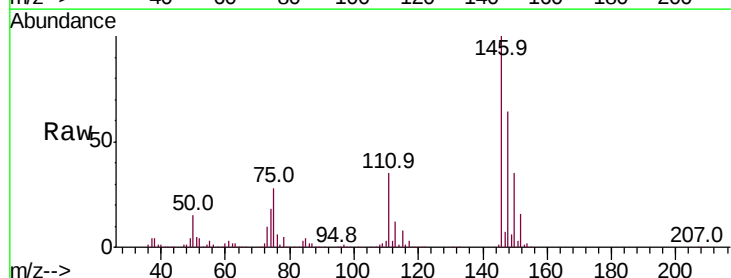
Manual Integrations
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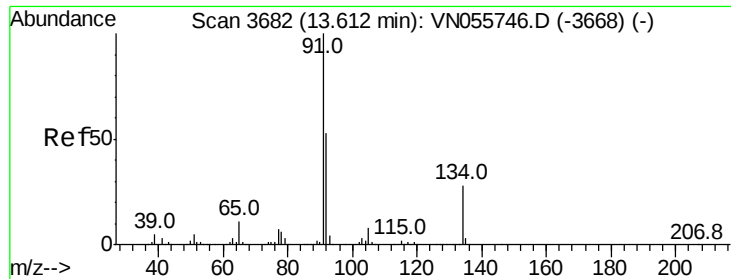
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#88
 1,4-Dichlorobenzene
 Concen: 48.478 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.4
148	63.8	32.1	96.5





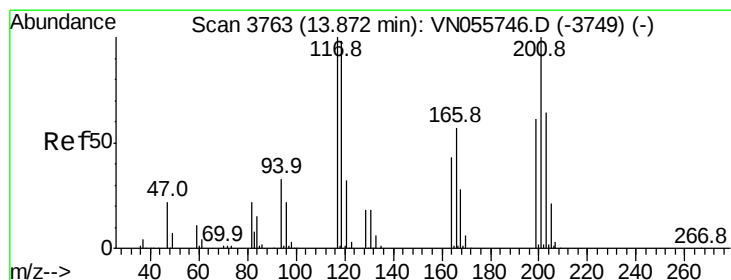
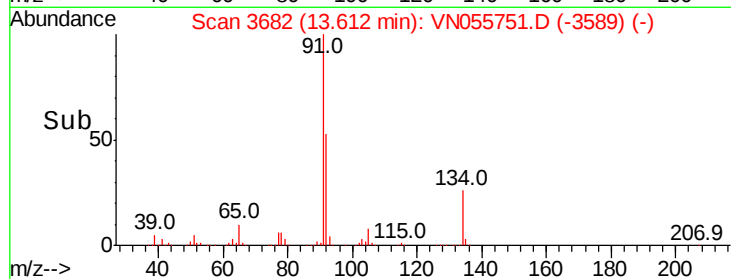
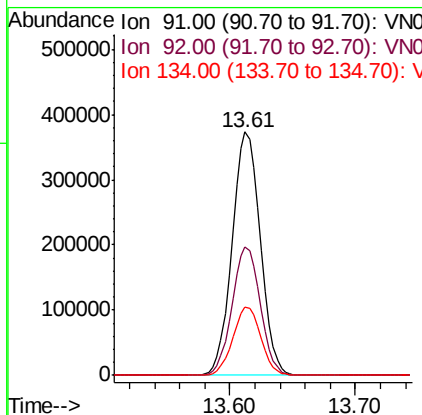
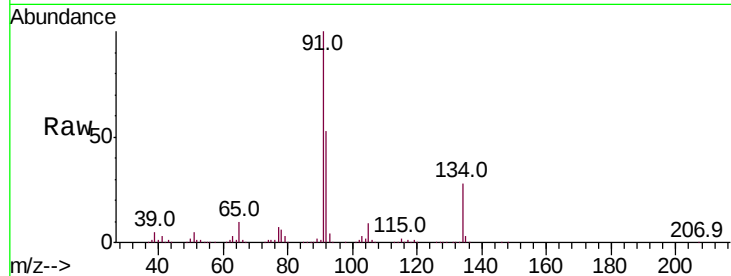
#89
n-Butylbenzene
Concen: 48.617 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.9	13.9	41.7

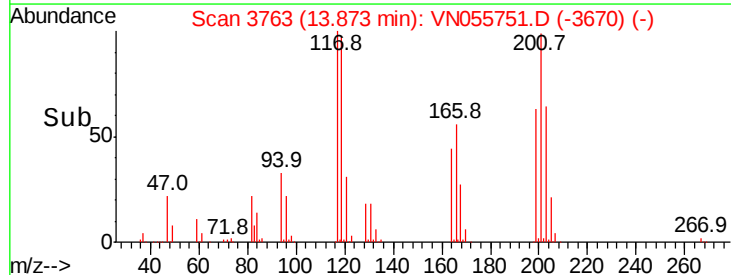
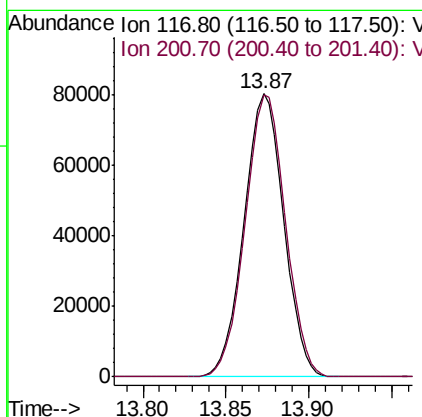
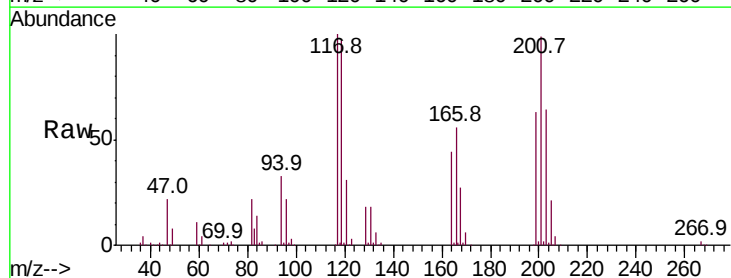
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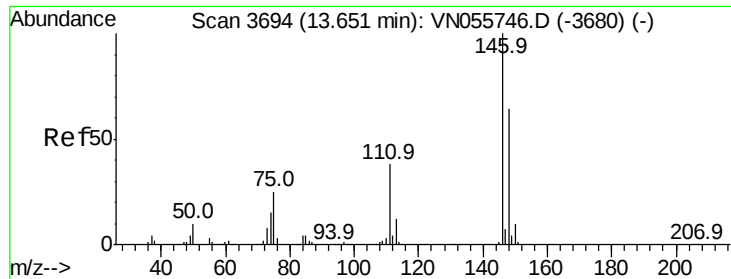
MMDadoda
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#90
Hexachloroethane
Concen: 45.012 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.8	50.0	150.0





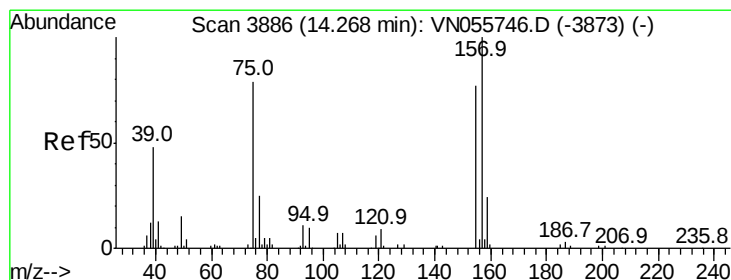
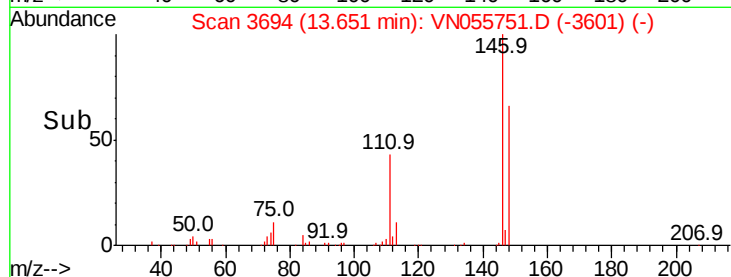
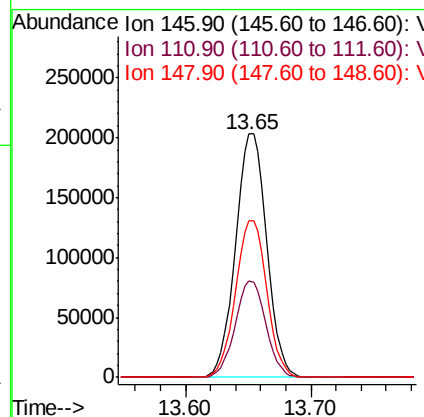
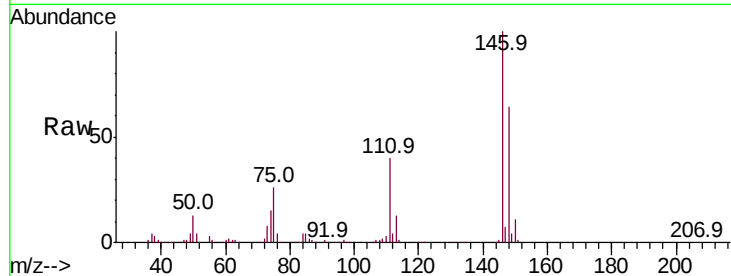
#91
 1,2-Dichlorobenzene
 Concen: 46.181 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN052319

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.5
148	64.6	31.9	95.9

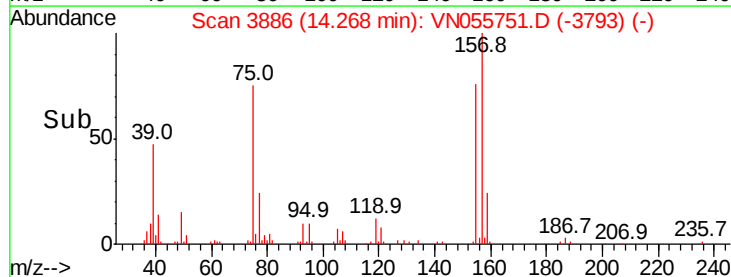
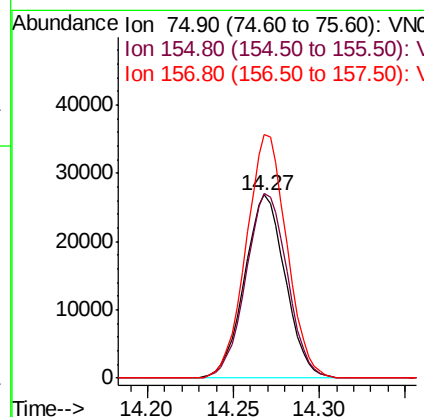
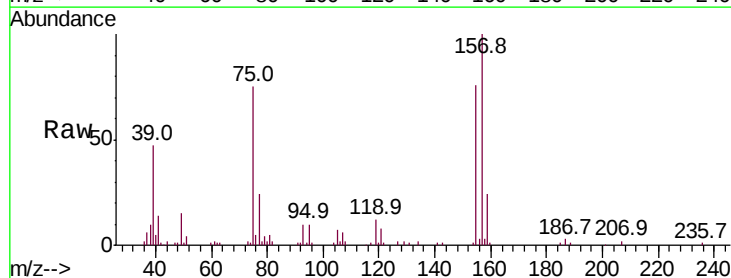
Manual Integrations
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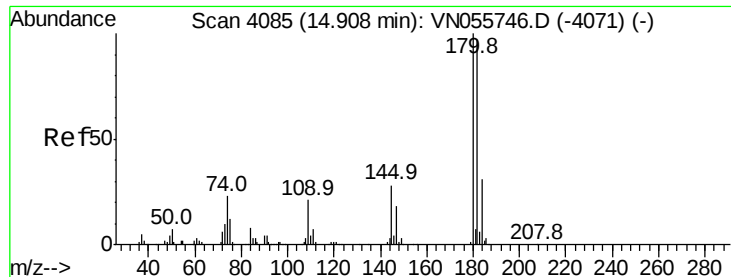
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.455 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	50.0	150.1
157	132.2	64.8	194.3





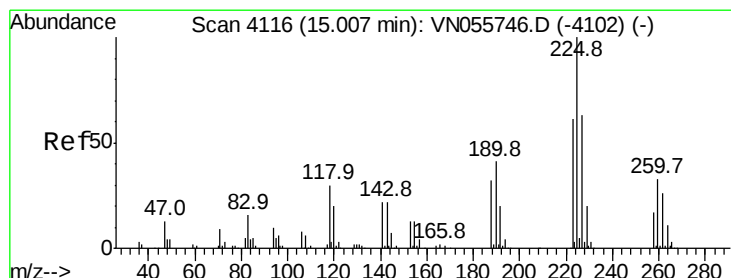
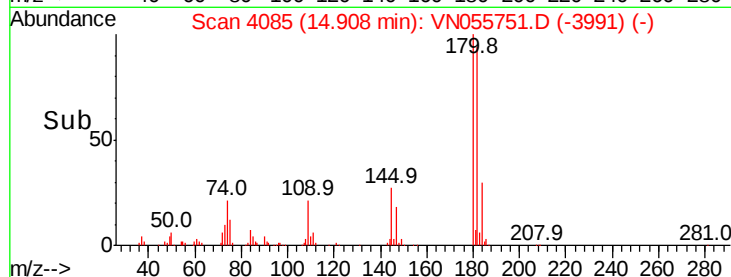
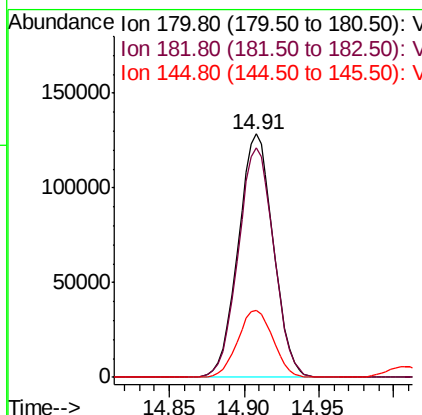
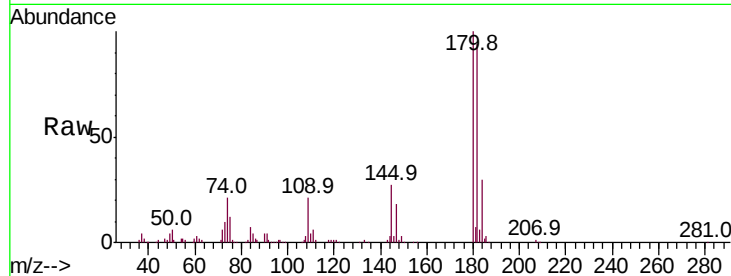
#93
 1,2,4-Trichlorobenzene
 Concen: 48.116 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209351		
182	95.7	48.3	144.9	
145	28.0	14.0	41.9	

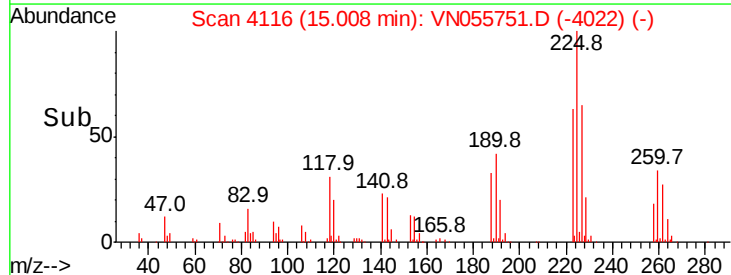
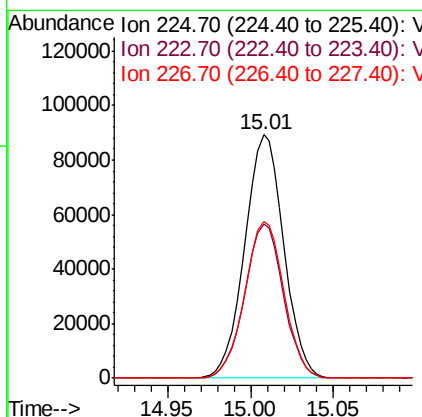
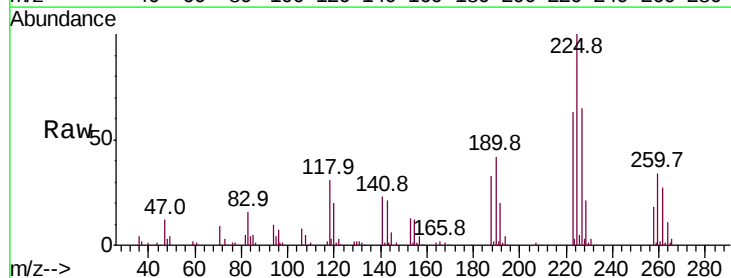
Manual Integrations
 APPROVED

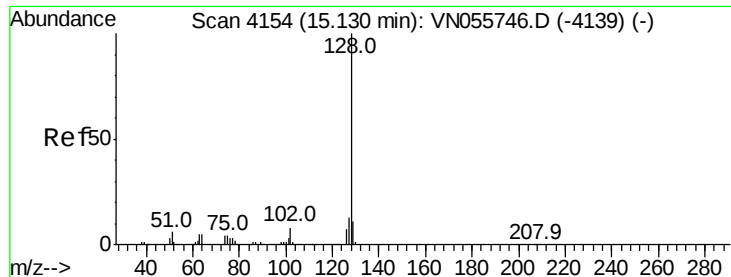
MMDadoda
 5/24/2019 9:22:24 AM



#94
 Hexachlorobutadiene
 Concen: 54.881 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055751.D
 Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146035		
223	62.8	30.9	92.7	
227	64.5	31.6	94.7	





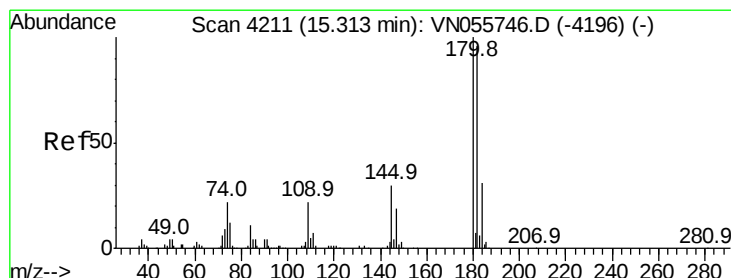
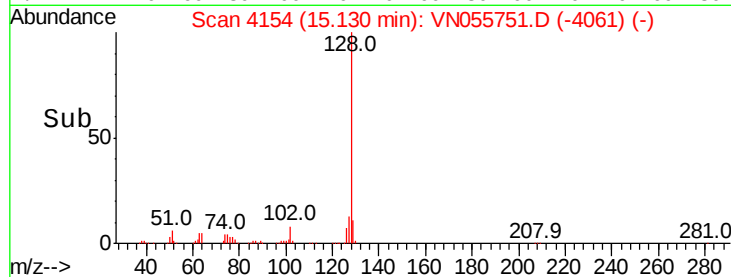
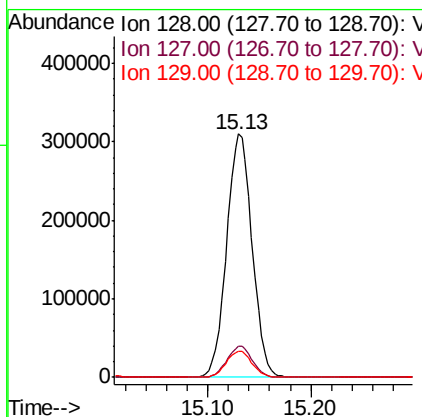
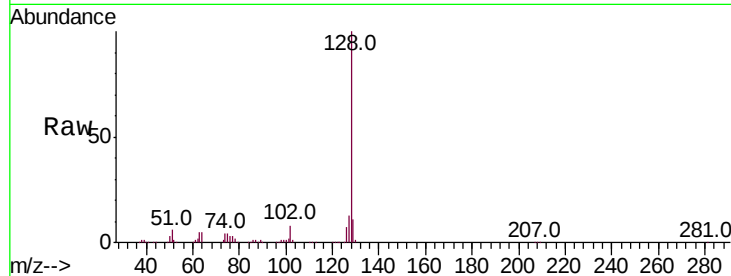
#95
Naphthalene
Concen: 51.234 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052319

Tot Ion	Ratio	Resp	Lower	Upper
128	100	533310		
127	12.8		10.3	15.5
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:22:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.869 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055751.D
Acq: 23 May 2019 14:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211998		
182	95.7		47.9	143.7
145	29.4		14.9	44.7

