

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055810.D
 Acq On : 24 May 2019 21:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:23 AM

Quant Time: May 25 05:19:24 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	360955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	527788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	465196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207500	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	185713	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	168797	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	637654	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	216537	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	109300	44.993	ug/l	100
3) Chloromethane	2.06	50	152674	44.856	ug/l	98
4) Vinyl Chloride	2.18	62	167316	46.089	ug/l	99
5) Bromomethane	2.53	94	120680m	53.136	ug/l	
6) Chloroethane	2.68	64	108177	49.493	ug/l	100
7) Trichlorofluoromethane	3.00	101	228317	47.971	ug/l	100
8) Diethyl Ether	3.40	74	100616	47.167	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	142029	47.805	ug/l	99
10) Methyl Iodide	3.94	142	226738	52.200	ug/l	99
11) Tert butyl alcohol	4.82	59	185524	260.483	ug/l	99
12) 1,1-Dichloroethene	3.72	96	146111	47.596	ug/l	96
13) Acrolein	3.60	56	115845	227.153	ug/l	100
14) Allyl chloride	4.31	41	240789	45.755	ug/l	100
15) Acrylonitrile	4.99	53	402258	245.959	ug/l	100
16) Acetone	3.82	43	332150	202.704	ug/l	99
17) Carbon Disulfide	4.04	76	375683	43.074	ug/l	100
18) Methyl Acetate	4.33	43	167357	50.245	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	495866	48.432	ug/l	98
20) Methylene Chloride	4.54	84	168823	47.574	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	155933	47.281	ug/l	97
22) Diisopropyl ether	5.96	45	488641	47.740	ug/l	98
23) Vinyl Acetate	5.90	43	2096889	238.940	ug/l	99
24) 1,1-Dichloroethane	5.84	63	281433	47.225	ug/l	99
25) 2-Butanone	6.84	43	535086	233.822	ug/l	100
26) 2,2-Dichloropropane	6.82	77	211000	40.910	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	188696	49.041	ug/l	97
28) Bromochloromethane	7.19	49	143617	50.616	ug/l	97
29) Tetrahydrofuran	7.22	42	352677	243.360	ug/l	99
30) Chloroform	7.37	83	288151	48.484	ug/l	99
31) Cyclohexane	7.65	56	257303	45.987	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	254440	47.975	ug/l	99
36) 1,1-Dichloropropene	7.79	75	214830	46.708	ug/l	99
37) Ethyl Acetate	6.93	43	223968	50.382	ug/l	97
38) Carbon Tetrachloride	7.77	117	224007	46.756	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259133	45.497	ug/l	98
40) Benzene	8.04	78	674219	48.638	ug/l	100
41) Methacrylonitrile	7.18	41	101479	45.186	ug/l	95
42) 1,2-Dichloroethane	8.12	62	217920	48.111	ug/l	100
43) Isopropyl Acetate	8.17	43	353628	47.346	ug/l	93
44) Trichloroethene	8.83	130	194444	50.316	ug/l	98
45) 1,2-Dichloropropane	9.12	63	176672	48.918	ug/l	100
46) Dibromomethane	9.21	93	116822	49.322	ug/l	98
47) Bromodichloromethane	9.40	83	230516	47.463	ug/l	100
48) Methyl methacrylate	9.20	41	171119	49.711	ug/l	98
49) 1,4-Dioxane	9.20	88	69559	972.398	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1076906	244.130	ug/l	99
52) Toluene	10.16	92	426841	48.960	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	246353	47.520	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	273694	47.656	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173290	49.617	ug/l	99
56) Ethyl methacrylate	10.43	69	267339	49.528	ug/l	99
57) 1,3-Dichloropropane	10.71	76	280854	49.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	490463	237.769	ug/l	99
59) 2-Hexanone	10.75	43	736334	235.300	ug/l	99
60) Dibromochloromethane	10.90	129	198893	48.884	ug/l	99
61) 1,2-Dibromoethane	11.00	107	181298	50.045	ug/l	99
64) Tetrachloroethene	10.63	164	197220	50.266	ug/l	98
65) Chlorobenzene	11.43	112	459677	49.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	180628	48.631	ug/l	100
67) Ethyl Benzene	11.51	91	808770	48.428	ug/l	99
68) m/p-Xylenes	11.62	106	614909	97.395	ug/l	99
69) o-Xylene	11.95	106	303599	48.468	ug/l	100
70) Styrene	11.96	104	505255	49.809	ug/l	100
71) Bromoform	12.13	173	154529	48.777	ug/l #	100
73) Isopropylbenzene	12.25	105	799455	54.397	ug/l	100
74) N-amyl acetate	12.07	43	284311	50.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	235494	54.144	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	193884m	54.551	ug/l	
77) Bromobenzene	12.53	156	214187	48.373	ug/l	97
78) n-propylbenzene	12.59	91	845496	46.882	ug/l	99
79) 2-Chlorotoluene	12.67	91	513740	53.041	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	653257	52.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69526	45.082	ug/l	99
82) 4-Chlorotoluene	12.77	91	499866	47.152	ug/l	100
83) tert-Butylbenzene	12.99	119	579684	54.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	650274	52.545	ug/l	100
85) sec-Butylbenzene	13.17	105	738787	53.033	ug/l	100
86) p-Isopropyltoluene	13.29	119	670226	46.511	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	341611	48.724	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	328602	49.296	ug/l	100
89) n-Butylbenzene	13.61	91	511442	46.322	ug/l	99
90) Hexachloroethane	13.87	117	123975	45.200	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	339382	48.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41502	45.140	ug/l	94

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Manual Integrations
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QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182798	45.754	ug/l	98
94) Hexachlorobutadiene	15.01	225	124040	50.401	ug/l	99
95) Naphthalene	15.13	128	492188	51.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	189364	51.212	ug/l	100

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

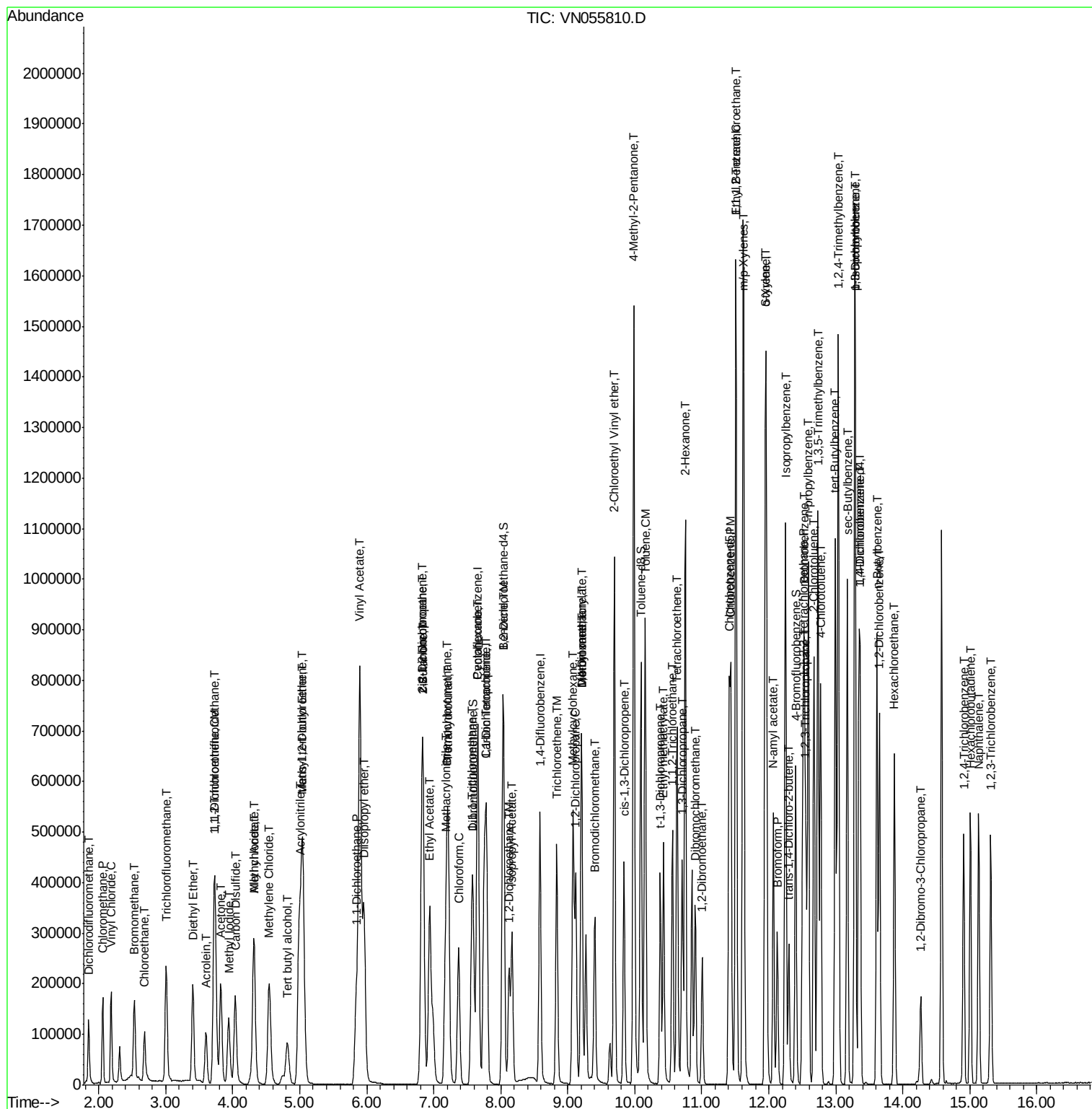
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 Data File : VN055810.D
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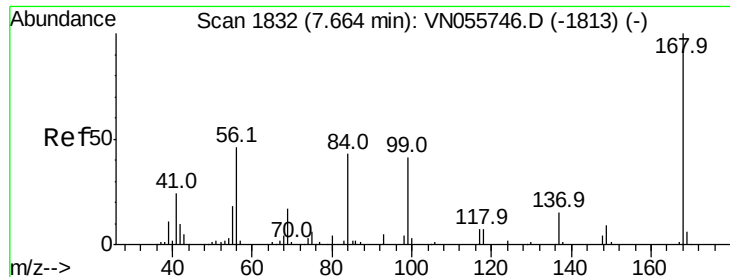
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 360955

Ion Ratio Lower Upper

168 100

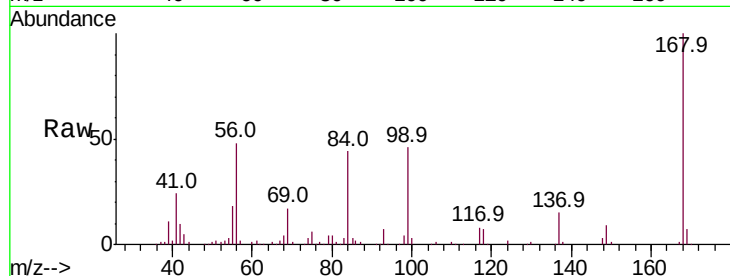
99 45.1 37.2 55.8

Manual Integrations

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5/28/2019 10:36:23 AM



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

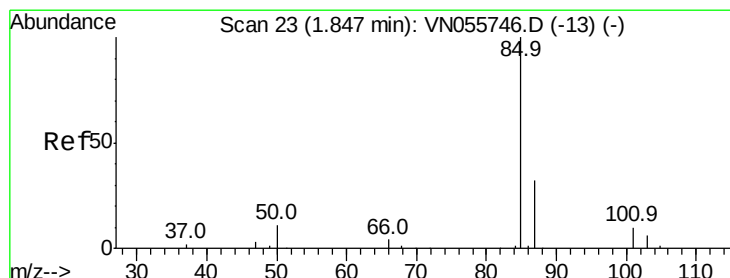
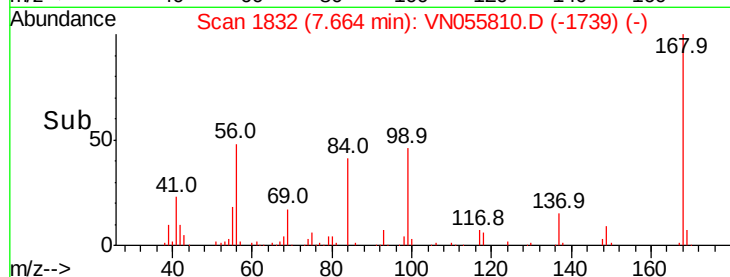
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.993 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055810.D

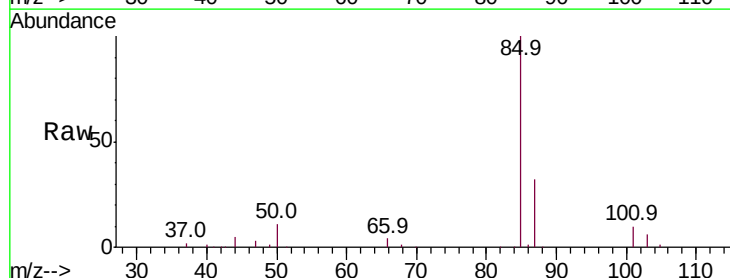
Acq: 24 May 2019 21:33

Tgt Ion: 85 Resp: 109300

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055746.D (-13) (-)

1.85

80000

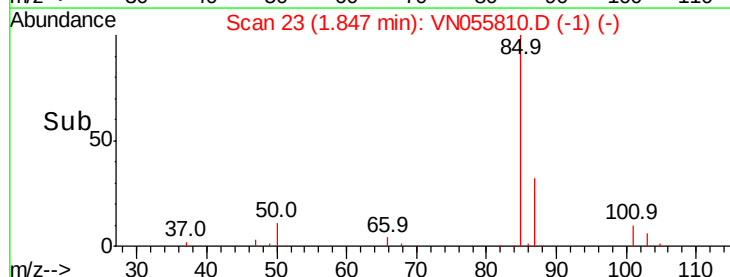
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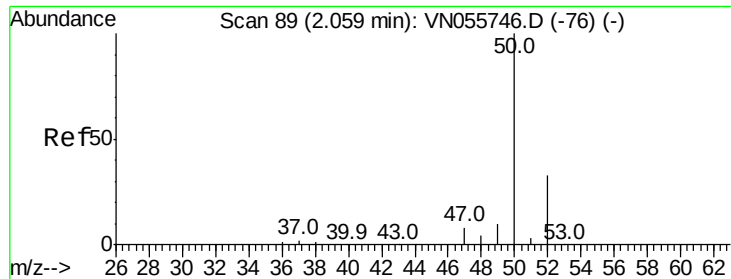
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.856 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152674

Ion Ratio Lower Upper

50 100

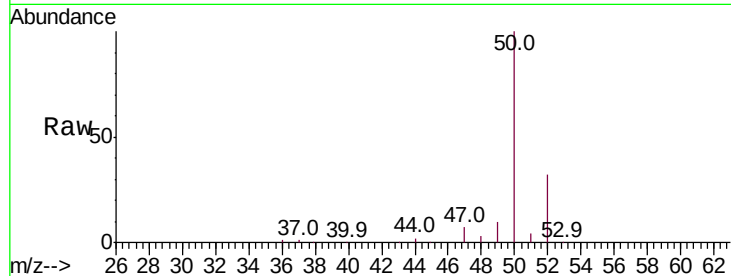
52 32.4 26.6 40.0

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

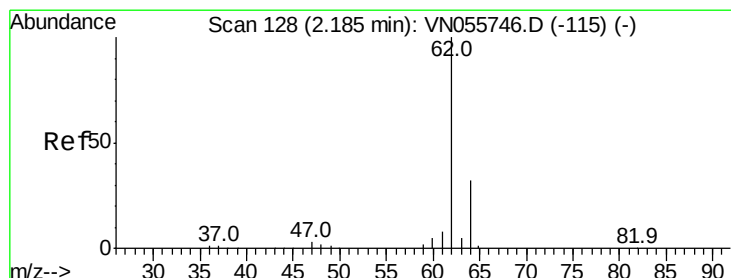
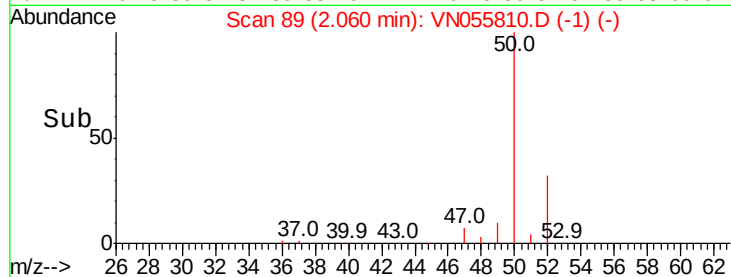
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 46.089 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055810.D

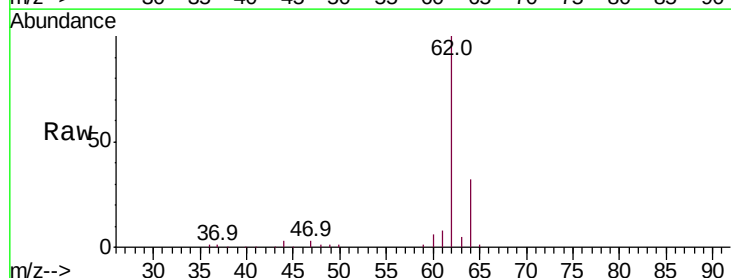
Acq: 24 May 2019 21:33

Tgt Ion: 62 Resp: 167316

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

120000

100000

80000

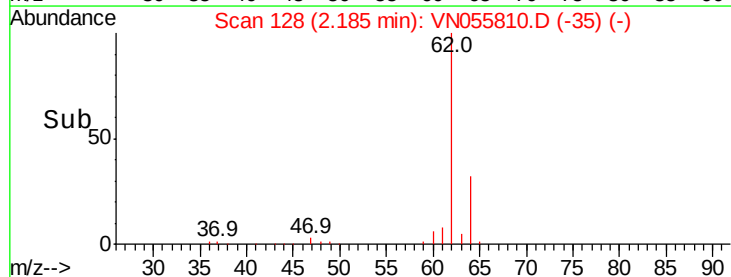
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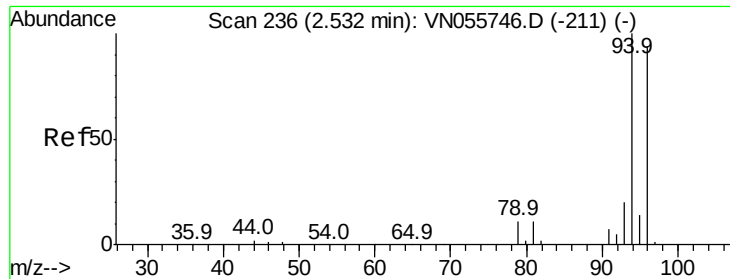
40000

20000

0

Time-->





#5

Bromomethane

Concen: 53.136 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 120680

Ion Ratio Lower Upper

94 100

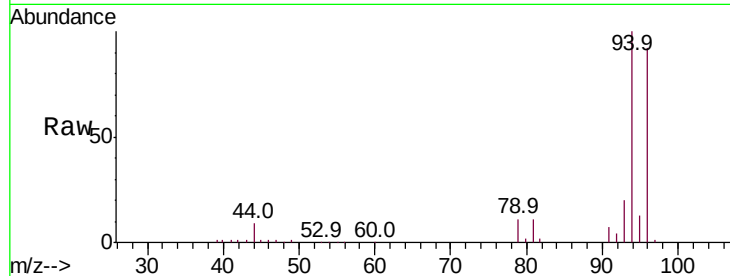
96 92.1 75.5 113.3

Manual Integrations

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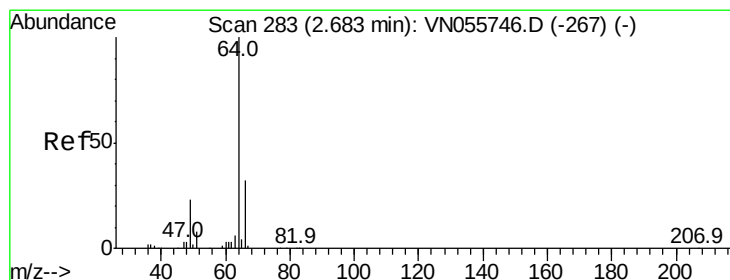
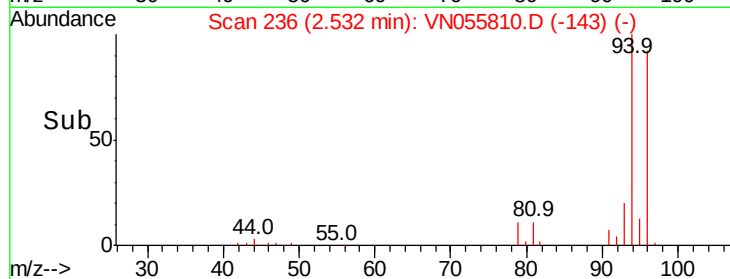
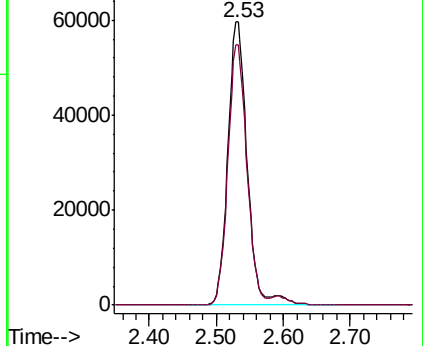
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.493 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055810.D

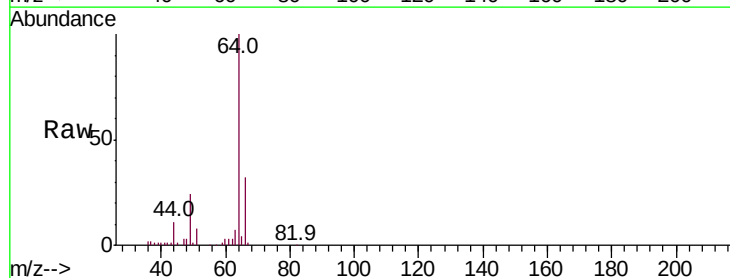
Acq: 24 May 2019 21:33

Tgt Ion: 64 Resp: 108177

Ion Ratio Lower Upper

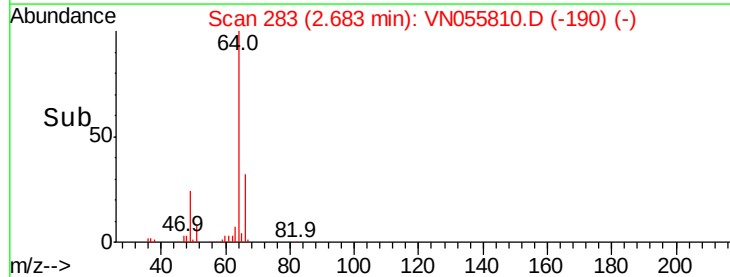
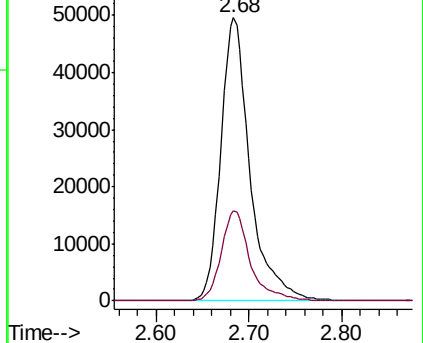
64 100

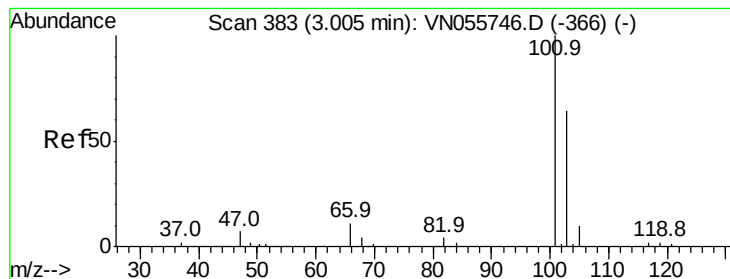
66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

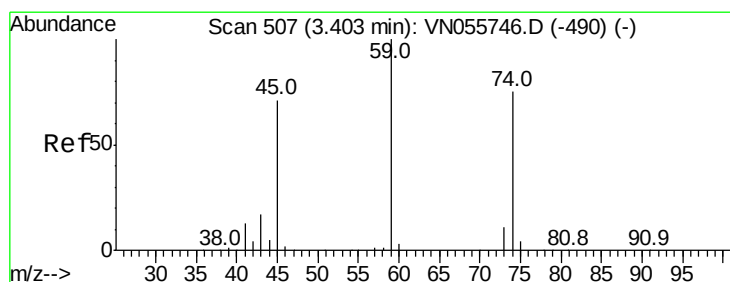
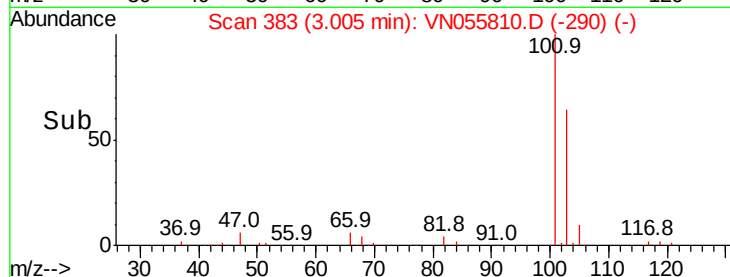
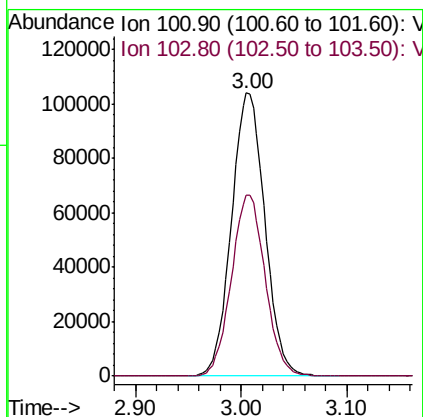
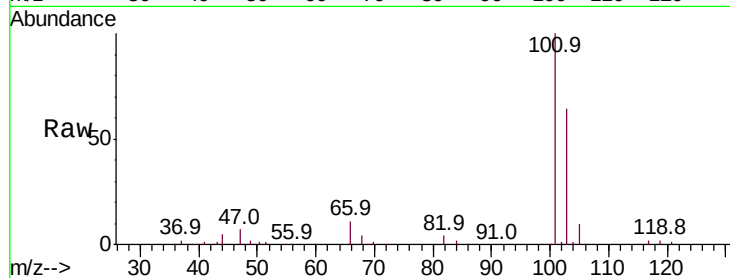
Trichlorofluoromethane
Concen: 47.971 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

Manual Integrations
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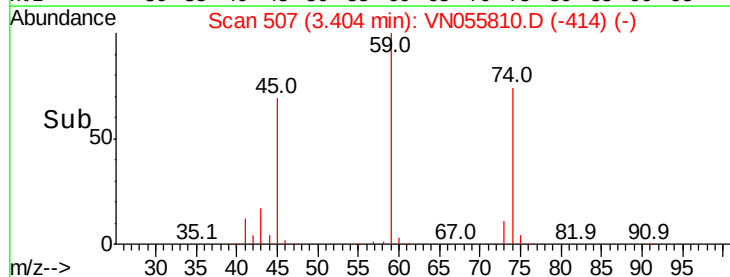
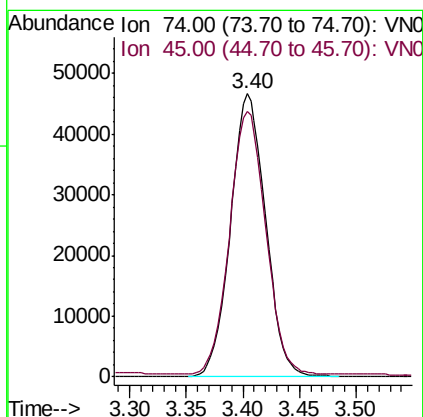
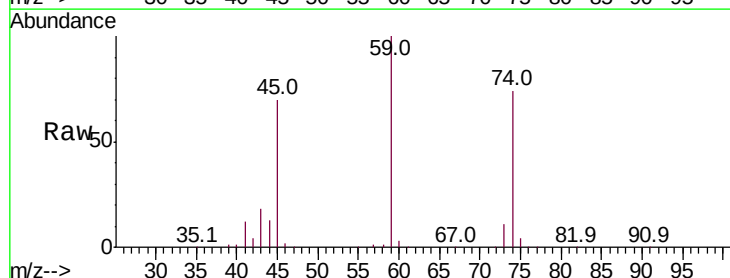
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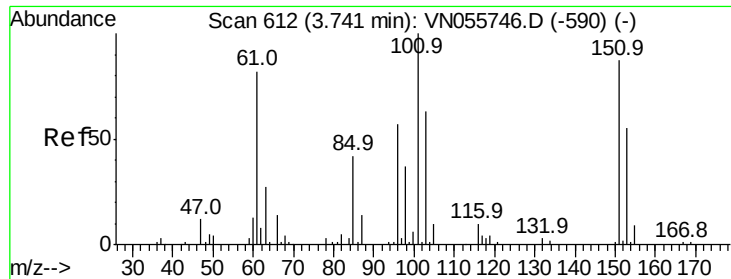


#8

Diethyl Ether
Concen: 47.167 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.805 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

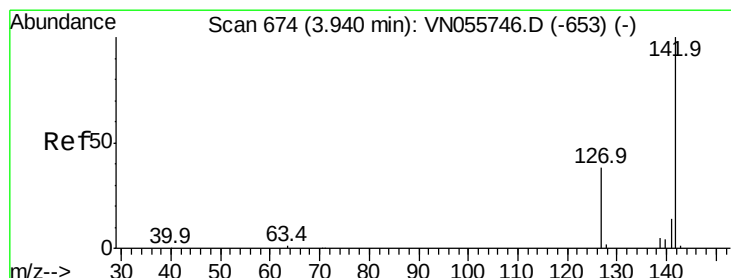
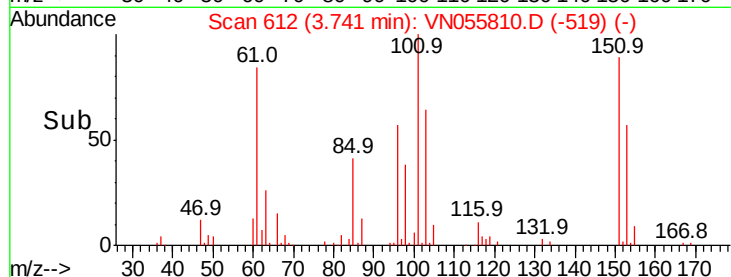
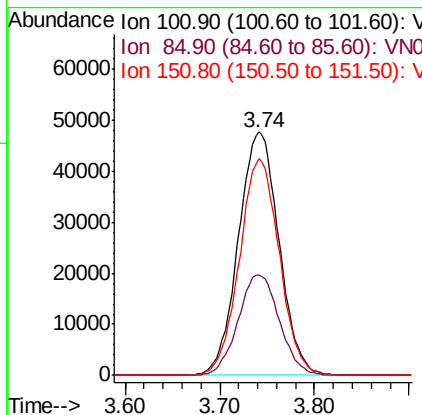
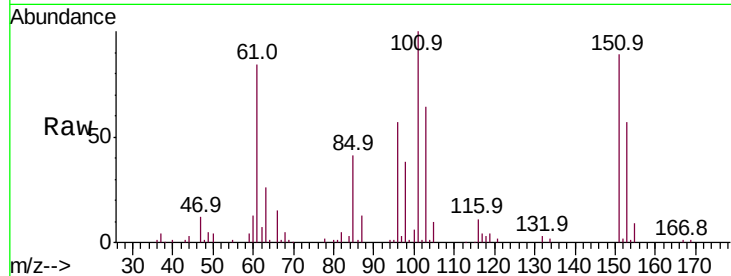
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	142029
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.2
151	87.6	69.4	104.2

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#10

Methyl Iodide

Concen: 52.200 ug/l

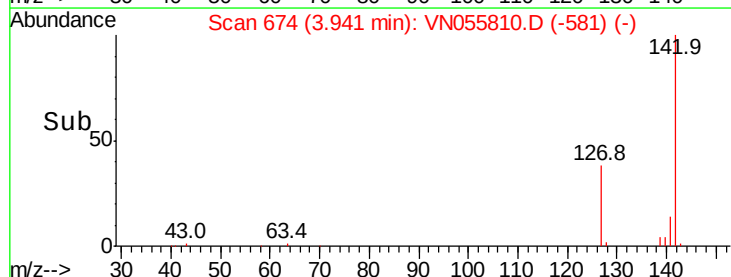
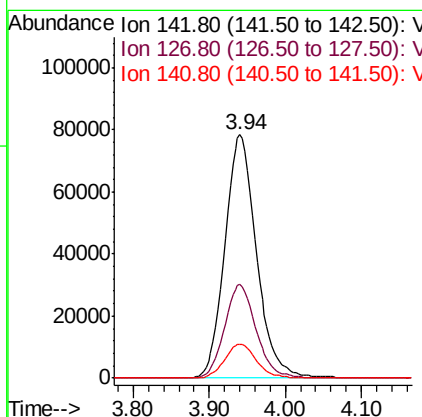
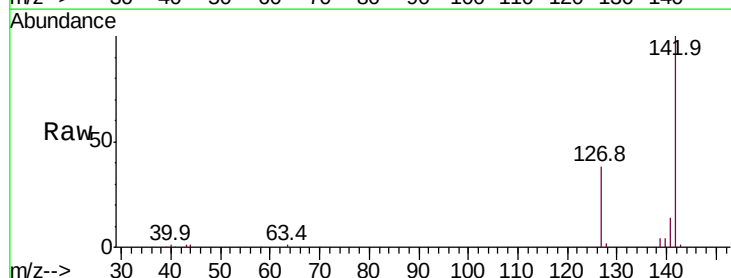
RT: 3.94 min Scan# 674

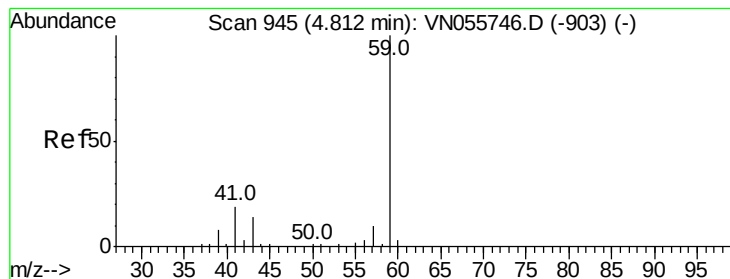
Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion:	142	Resp:	226738
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	14.0	11.4	17.0





#11

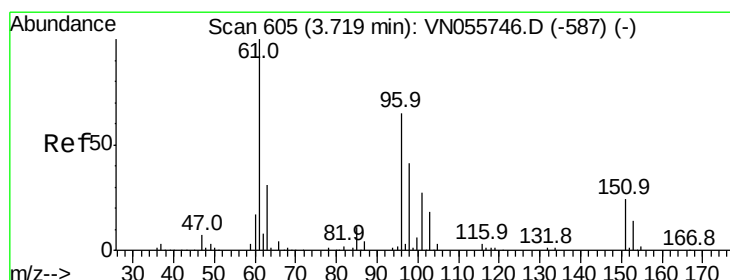
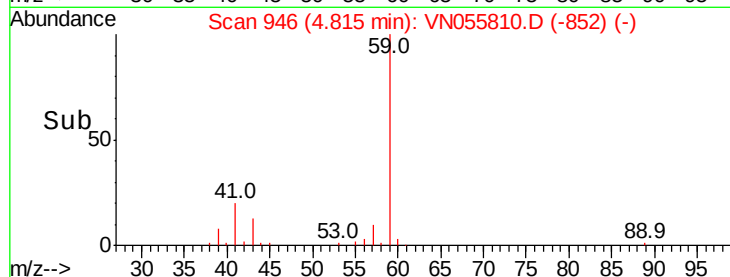
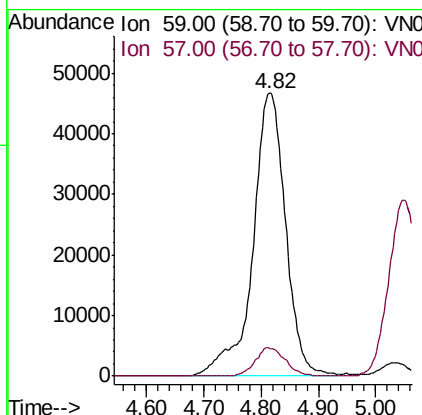
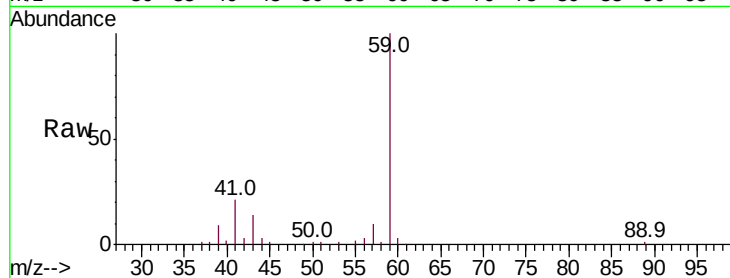
Tert butyl alcohol
Concen: 260.483 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.8	11.6

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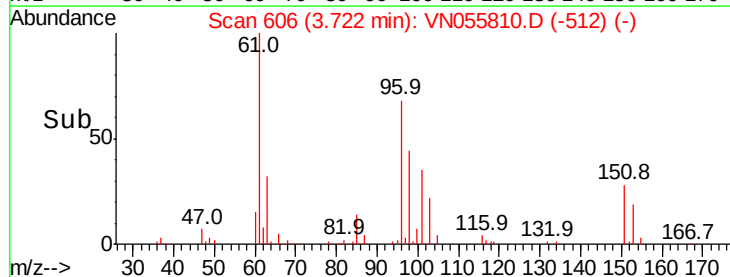
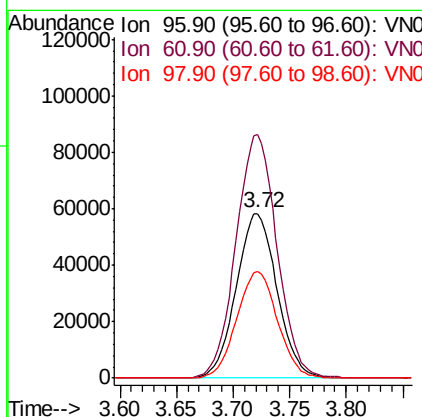
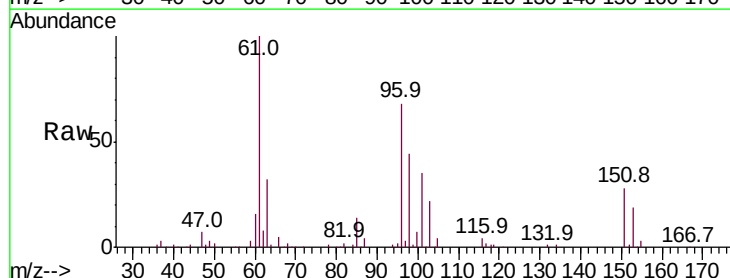
MMDadoda
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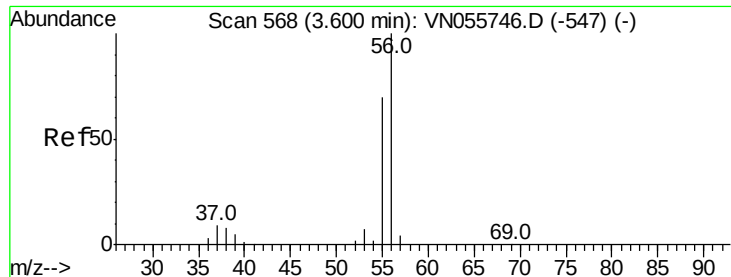


#12

1,1-Dichloroethene
Concen: 47.596 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.8	123.2	184.8
98	64.9	50.4	75.6





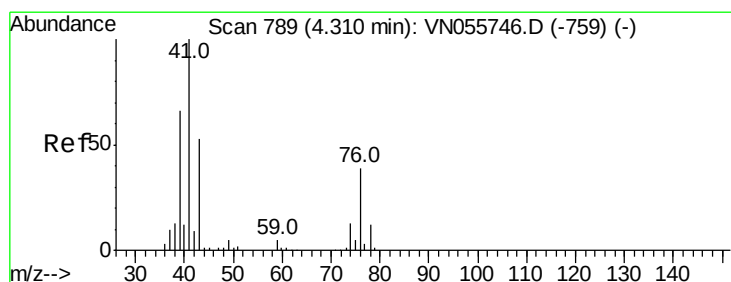
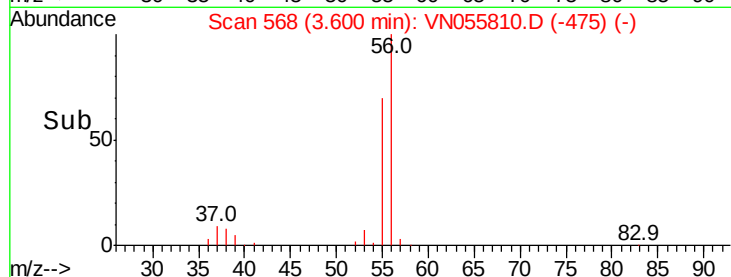
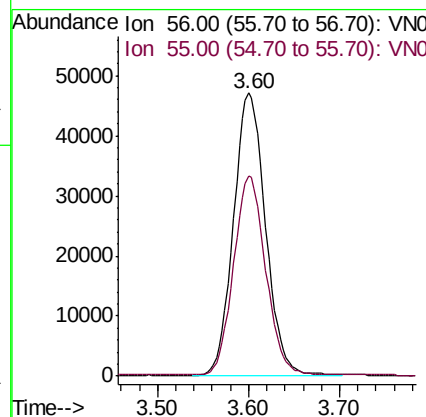
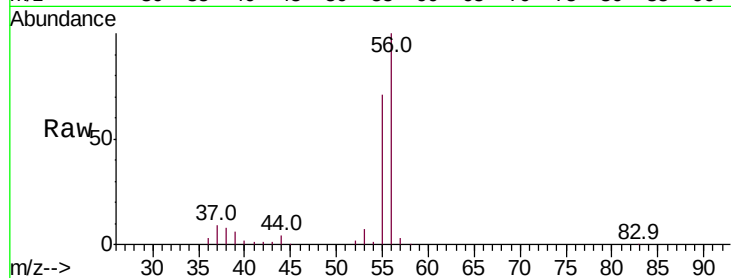
#13
Acrolein
Concen: 227.153 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	115845
Ion Ratio	100	Lower	Upper
56	100		
55	69.5	55.4	83.2

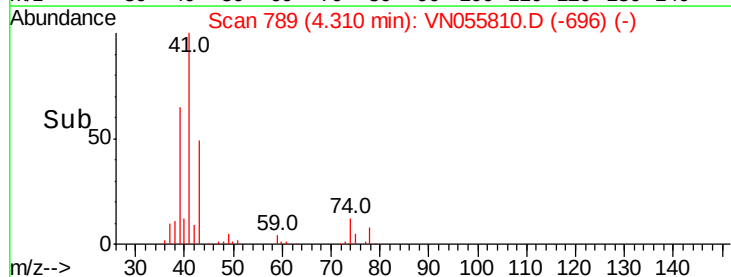
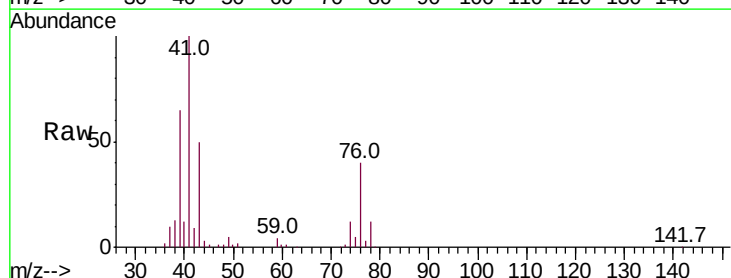
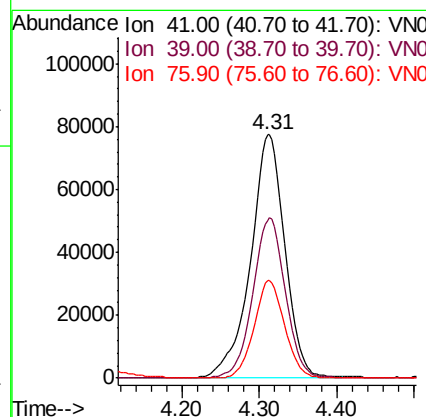
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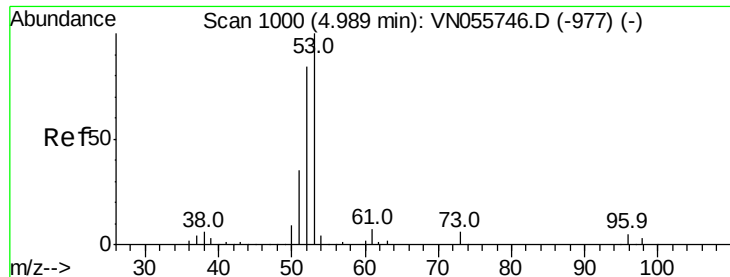
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#14
Allyl chloride
Concen: 45.755 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	41	Resp	240789
Ion Ratio	100	Lower	Upper
41	100		
39	62.5	50.0	75.0
76	35.5	28.2	42.2





#15

Acrylonitrile

Concen: 245.959 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

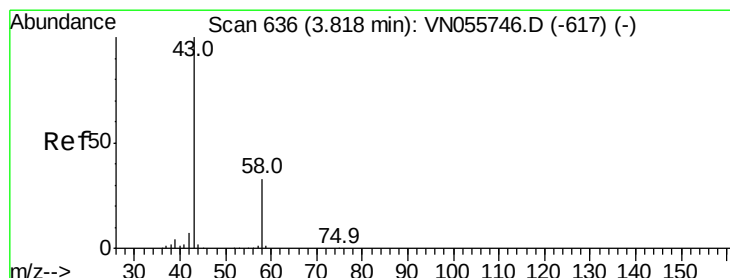
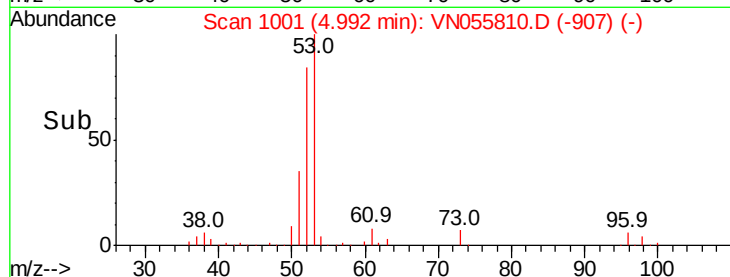
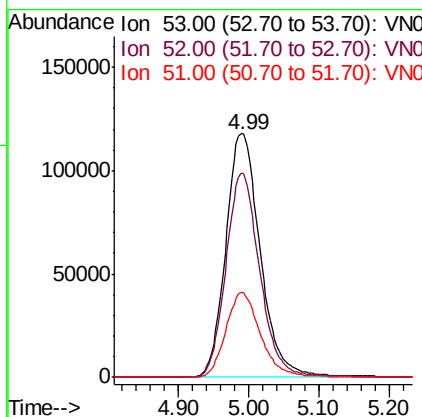
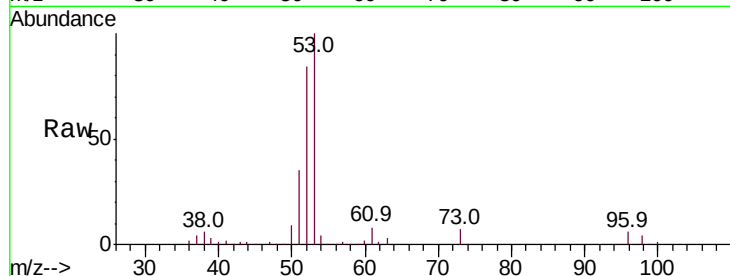
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	402258
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.8	98.8
51	35.3	28.2	42.4

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#16

Acetone

Concen: 202.704 ug/l

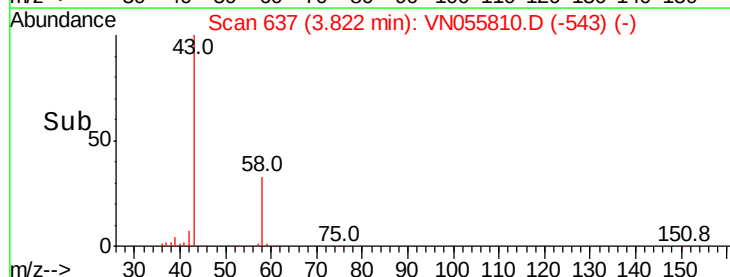
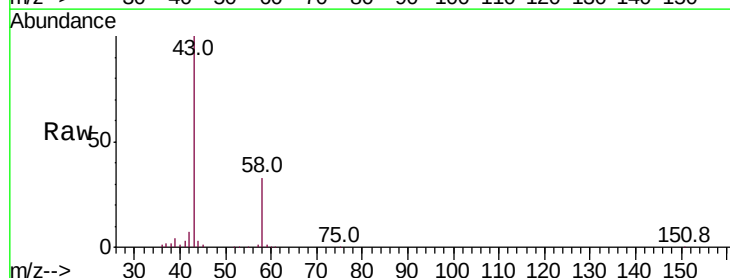
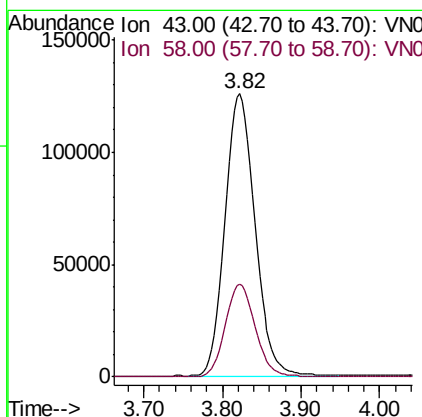
RT: 3.82 min Scan# 637

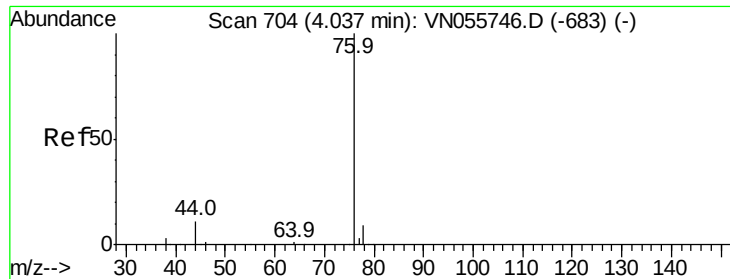
Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion:	43	Resp:	332150
Ion Ratio	Lower	Upper	
43	100		
58	32.7	26.6	39.8





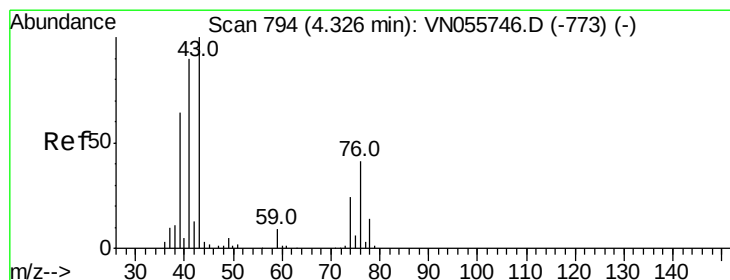
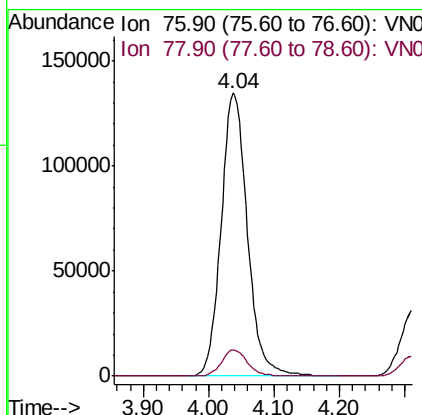
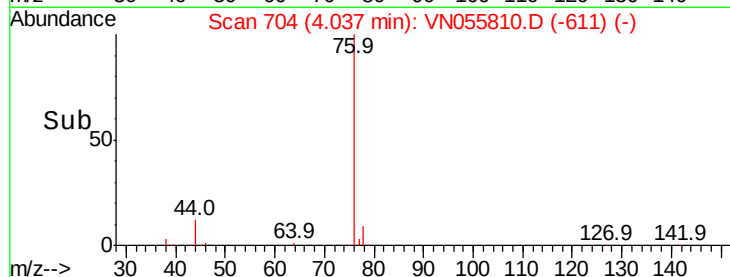
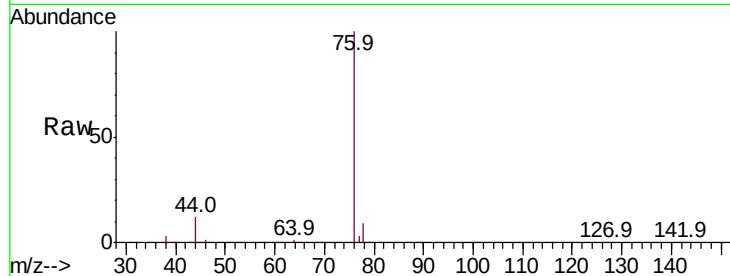
#17
Carbon Disulfide
Concen: 43.074 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

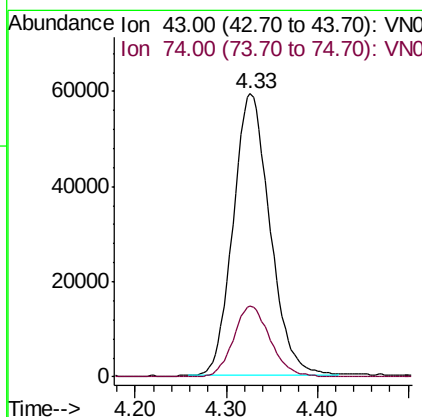
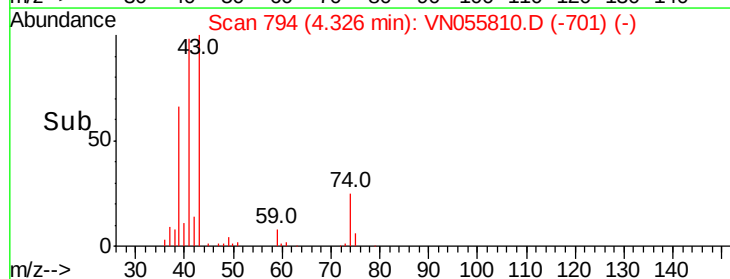
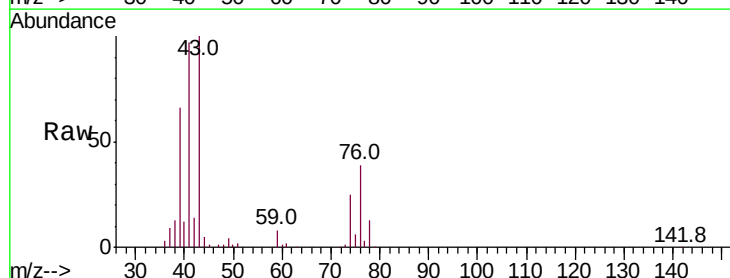
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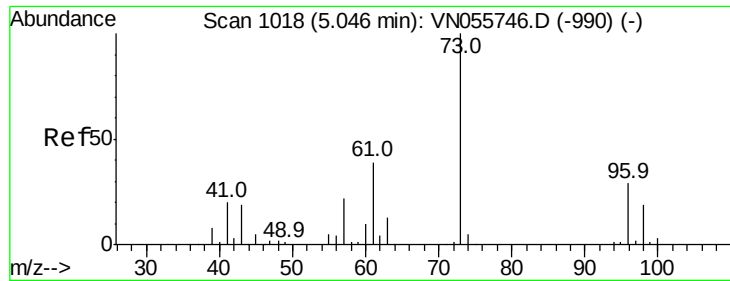
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#18
Methyl Acetate
Concen: 50.245 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.3	28.9





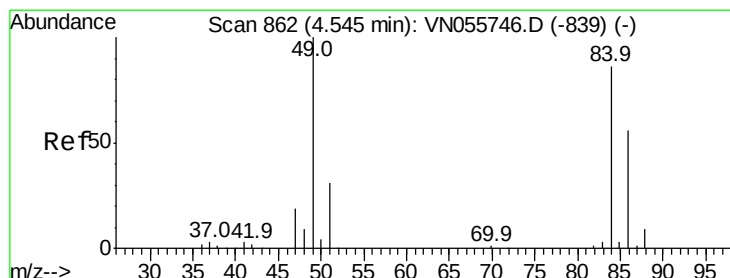
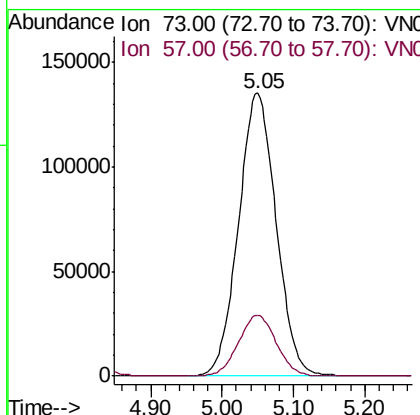
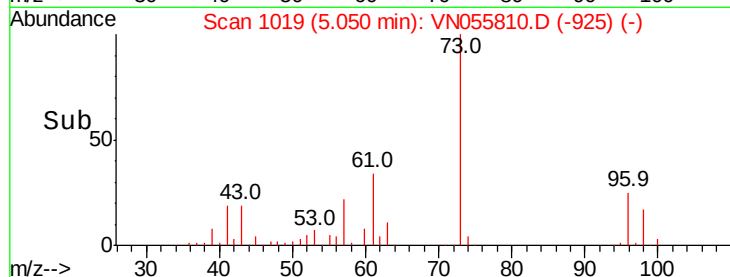
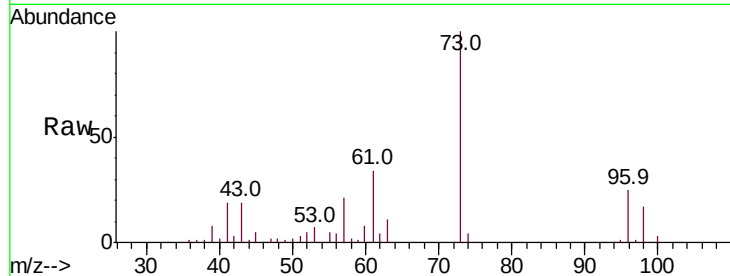
#19
Methyl tert-butyl Ether
Concen: 48.432 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 495866
Ion Ratio Lower Upper
73 100
57 21.5 17.8 26.8

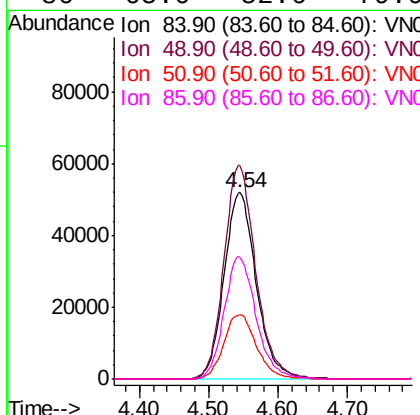
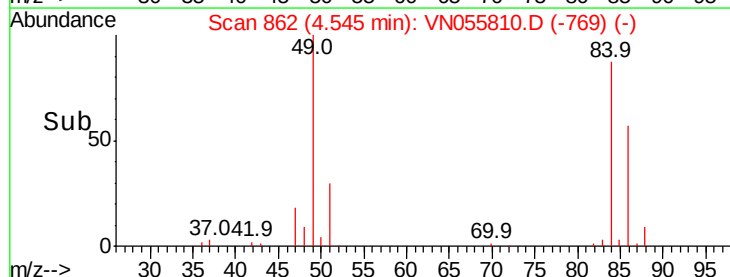
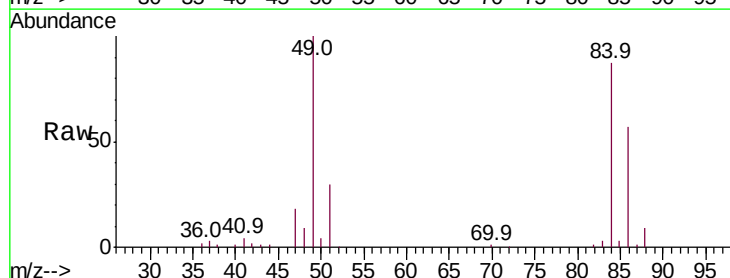
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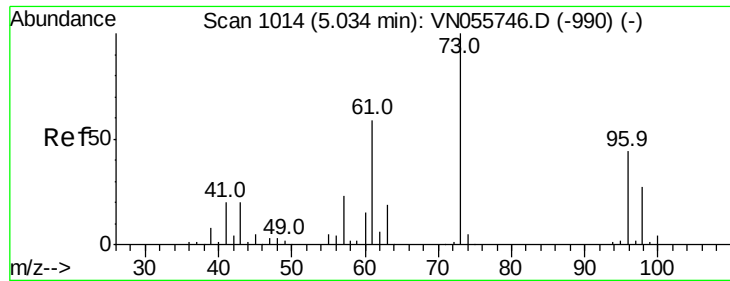
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#20
Methylene Chloride
Concen: 47.574 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion: 84 Resp: 168823
Ion Ratio Lower Upper
84 100
49 114.3 93.5 140.3
51 34.4 28.6 43.0
86 65.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 47.281 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 155933

Ion Ratio Lower Upper

96 100

61 129.8 107.8 161.8

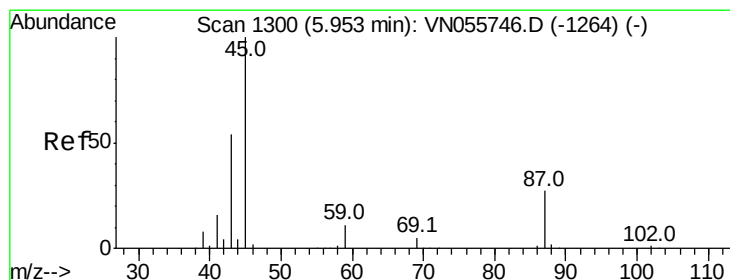
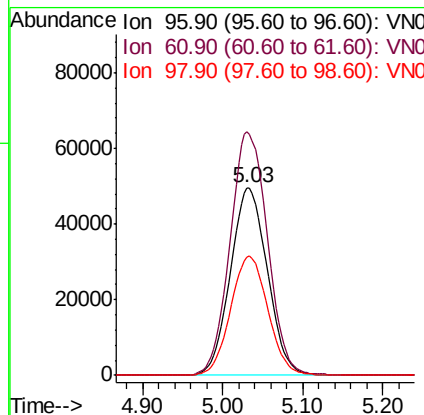
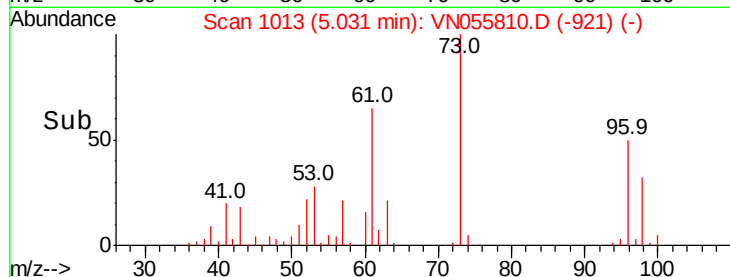
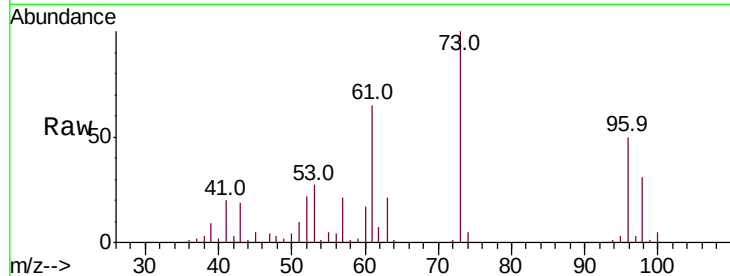
98 63.2 49.8 74.8

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#22

Diisopropyl ether

Concen: 47.740 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion: 45 Resp: 488641

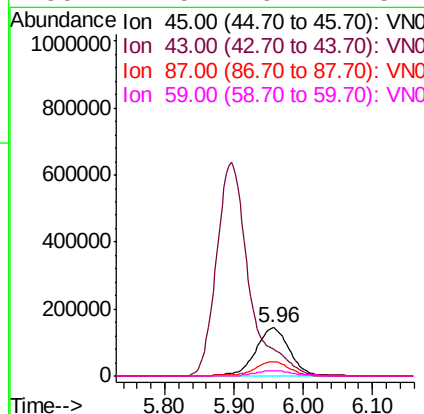
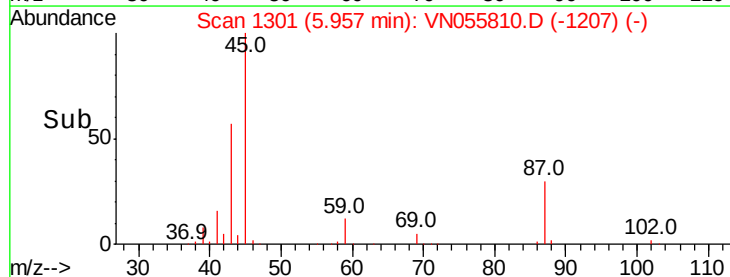
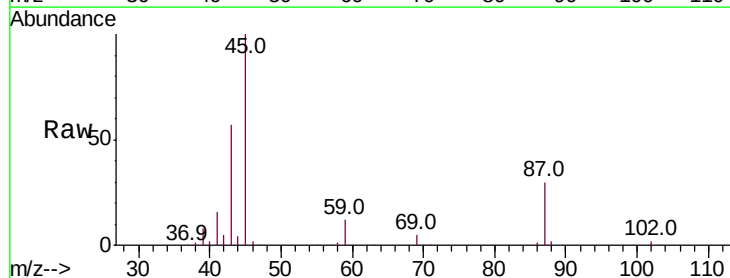
Ion Ratio Lower Upper

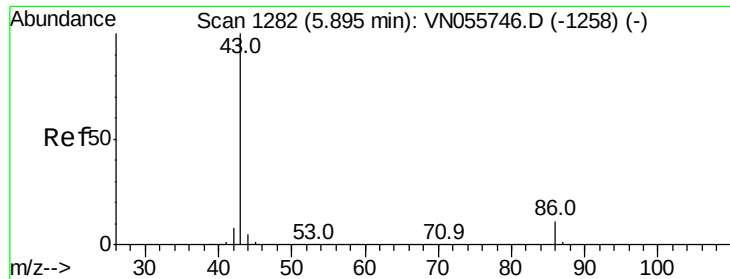
45 100

43 55.2 45.0 67.6

87 29.3 22.2 33.4

59 11.5 9.1 13.7





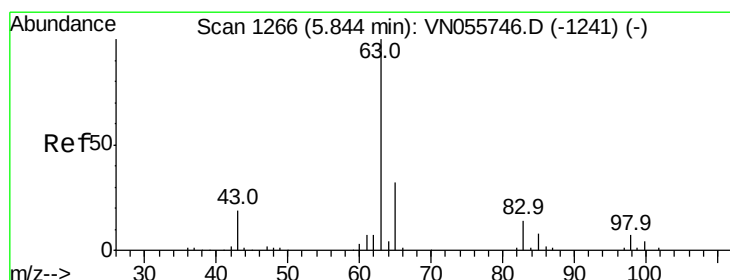
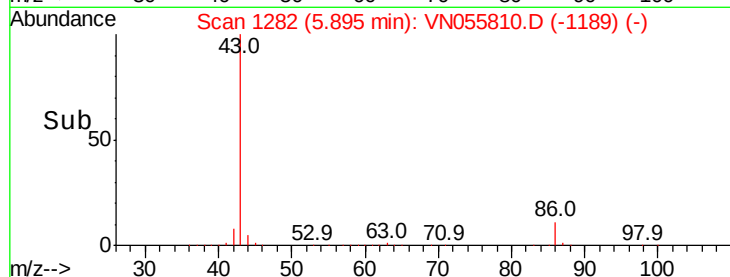
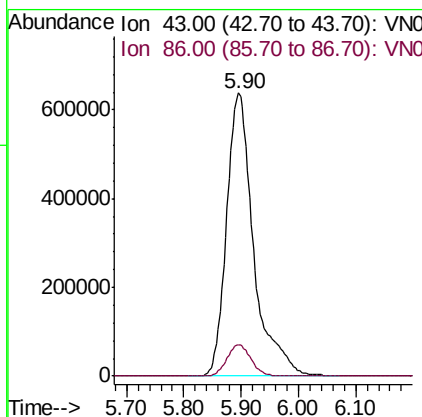
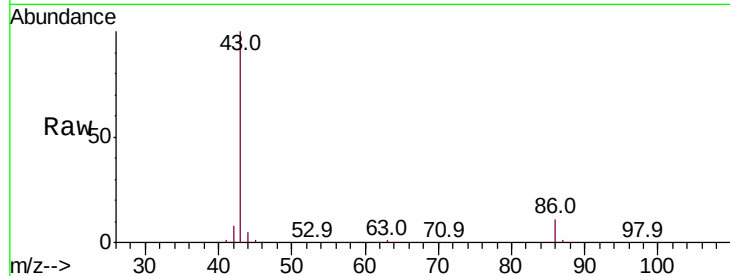
#23
 Vinyl Acetate
 Concen: 238.940 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2096889
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0

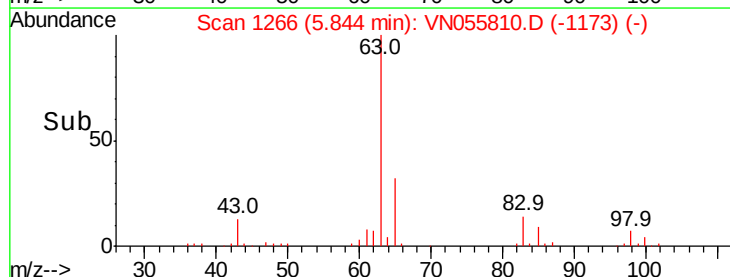
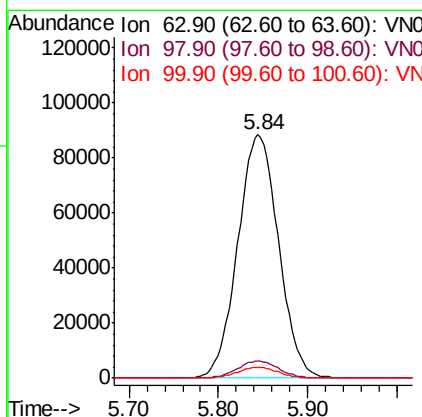
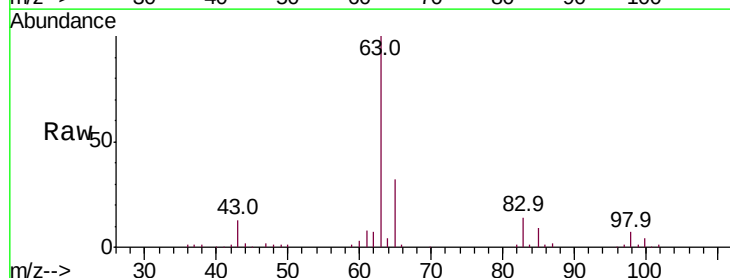
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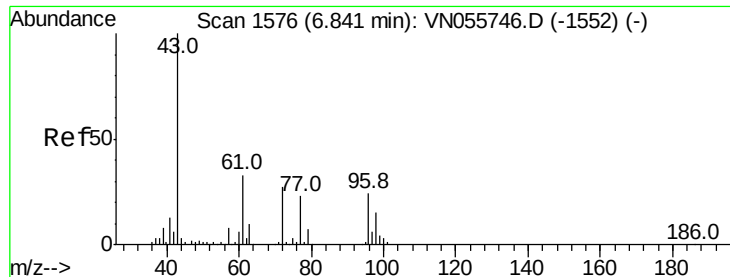
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#24
 1,1-Dichloroethane
 Concen: 47.225 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion: 63 Resp: 281433
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.1
 100 4.5 2.2 6.6





#25

2-Butanone

Concen: 233.822 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 535086

Ion Ratio Lower Upper

43 100

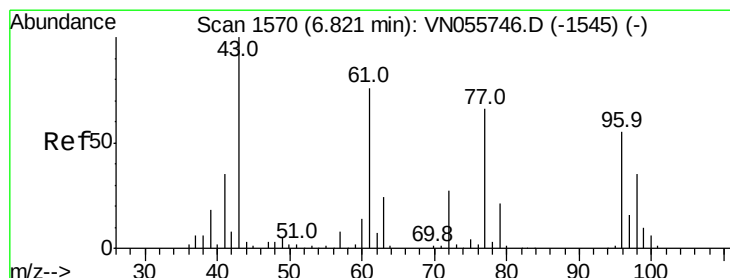
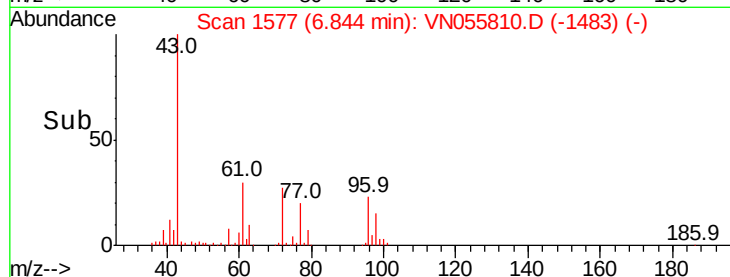
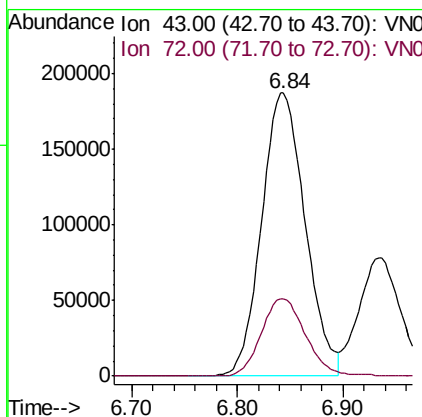
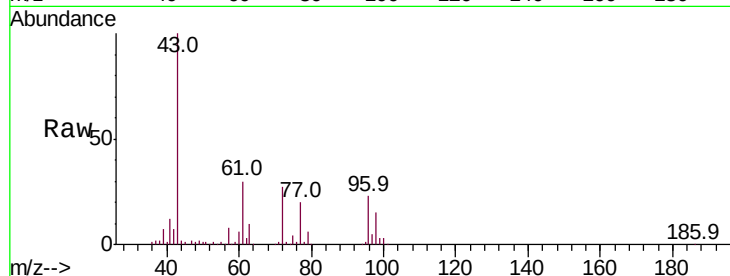
72 27.4 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 40.910 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055810.D

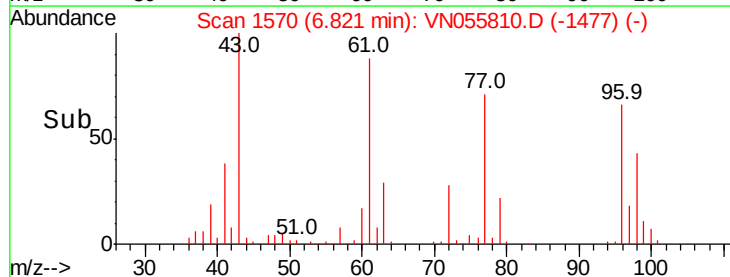
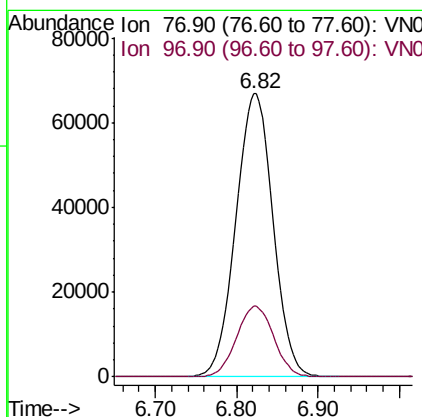
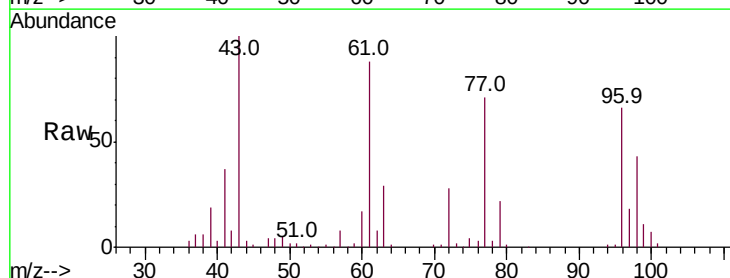
Acq: 24 May 2019 21:33

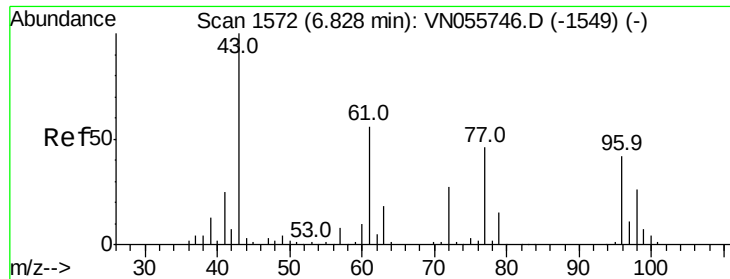
Tgt Ion: 77 Resp: 211000

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.6





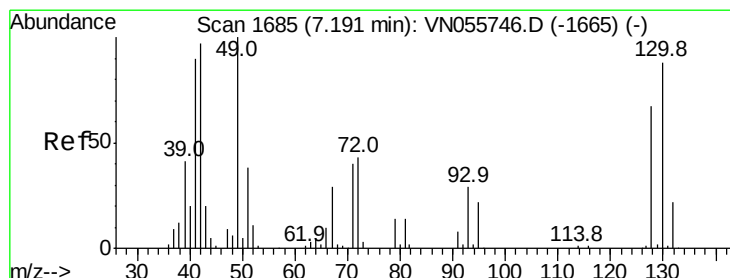
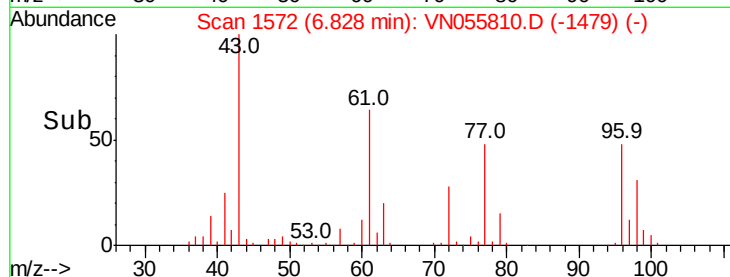
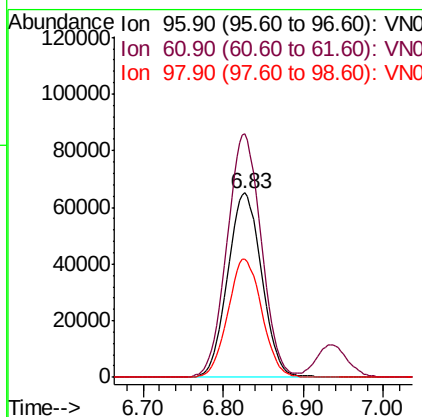
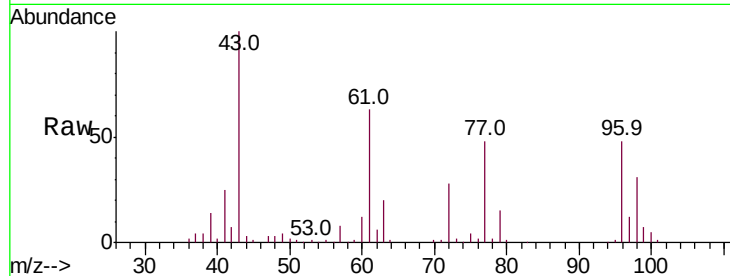
#27
 cis-1,2-Dichloroethene
 Concen: 49.041 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188696		
61	132.6	0.0	275.8	
98	64.0	0.0	128.4	

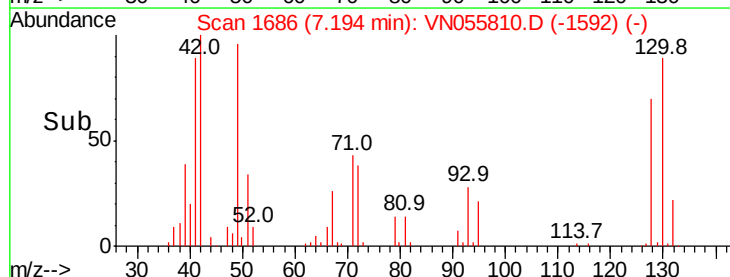
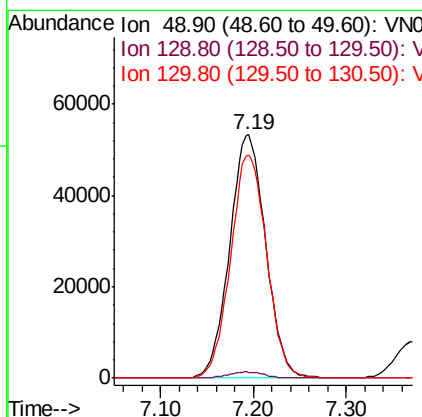
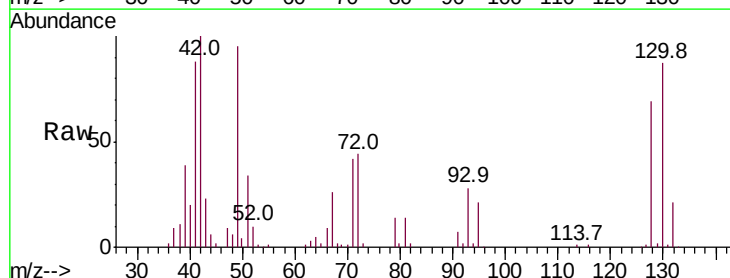
Manual Integrations
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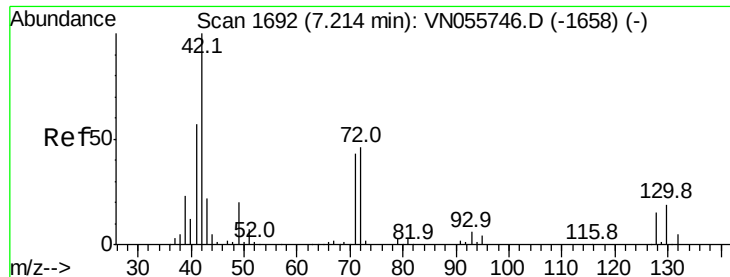
MMDadoda
 5/28/2019 10:36:23 AM



#28
 Bromochloromethane
 Concen: 50.616 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143617		
129	2.5	0.0	4.4	
130	91.6	71.2	106.8	





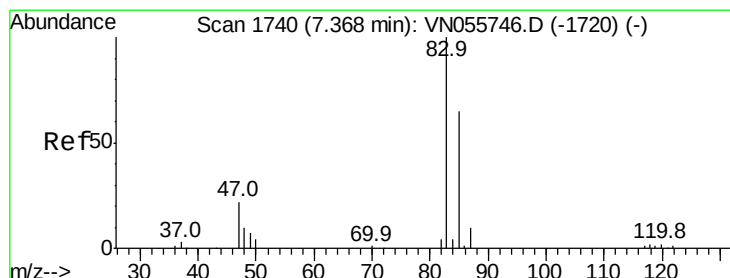
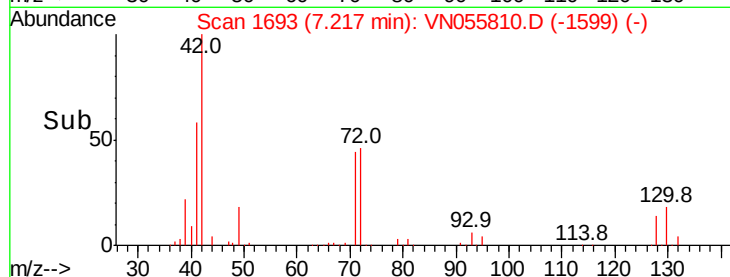
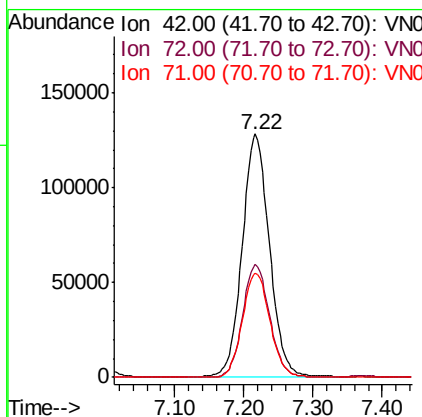
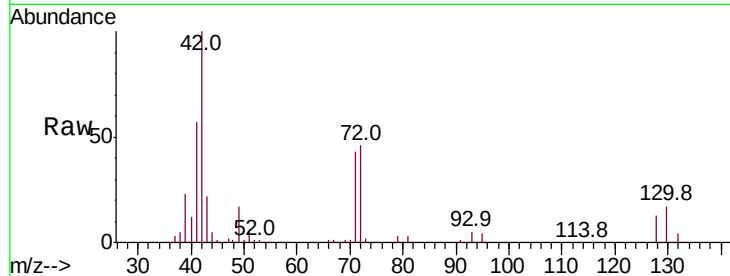
#29
Tetrahydrofuran
Concen: 243.360 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.9	53.9
71	43.2	34.0	51.0

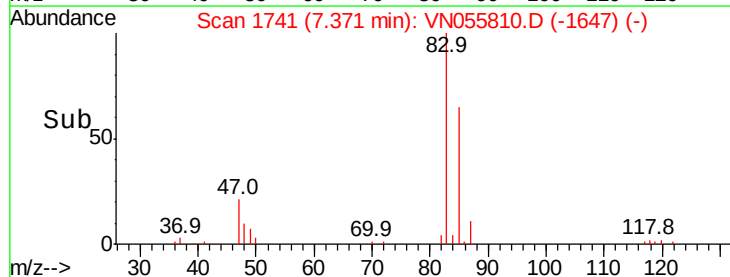
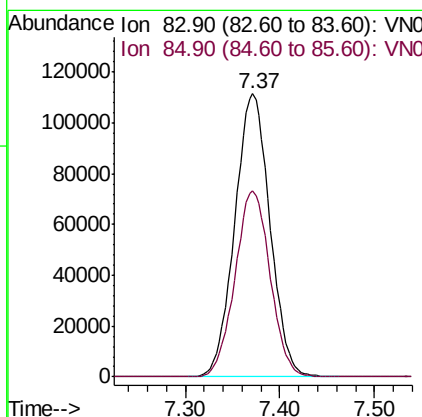
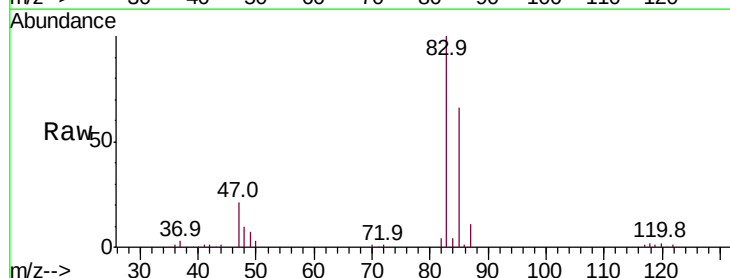
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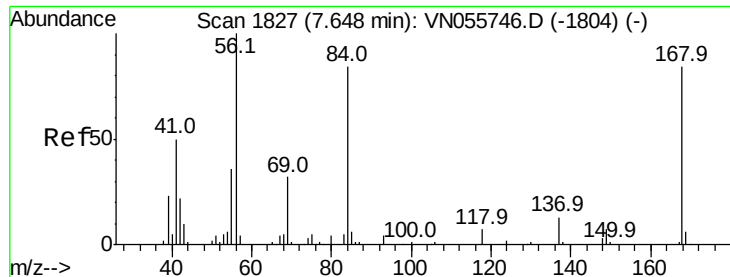
MMDadoda
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#30
Chloroform
Concen: 48.484 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





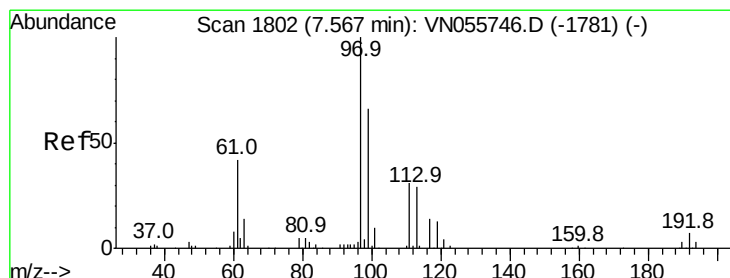
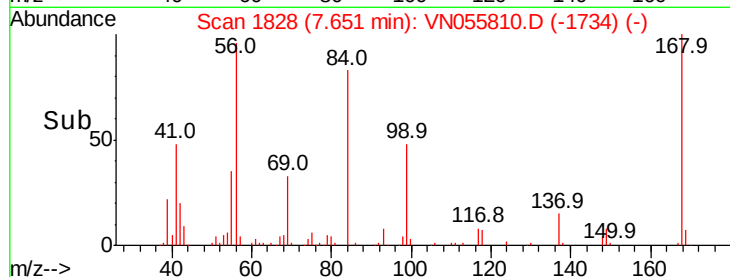
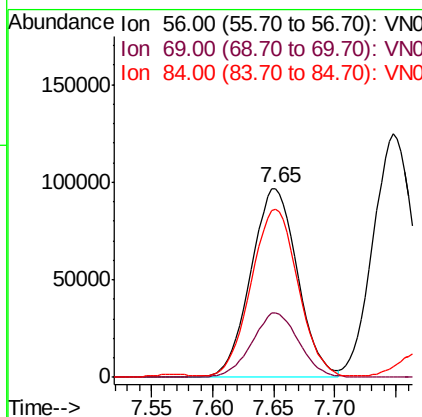
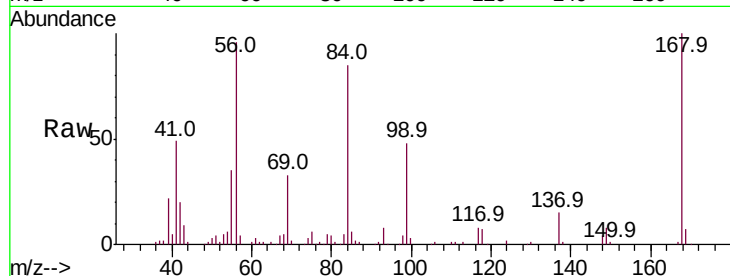
#31
Cyclohexane
Concen: 45.987 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	34.1	25.6	38.4	
84	87.5	67.4	101.0	

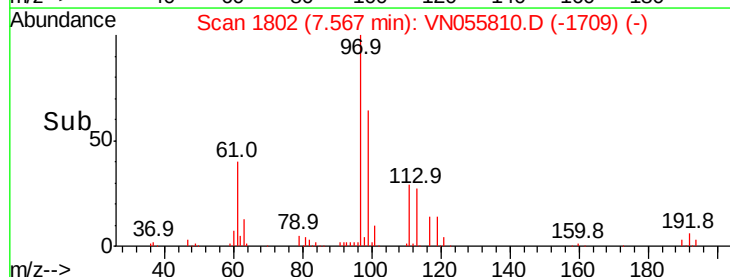
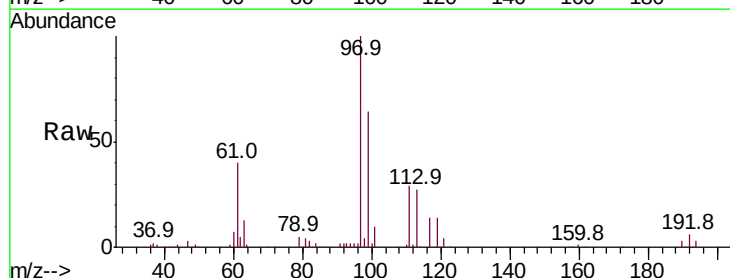
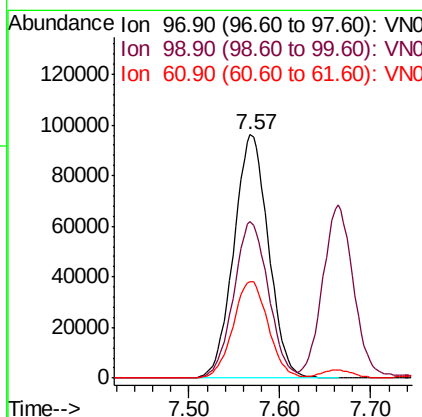
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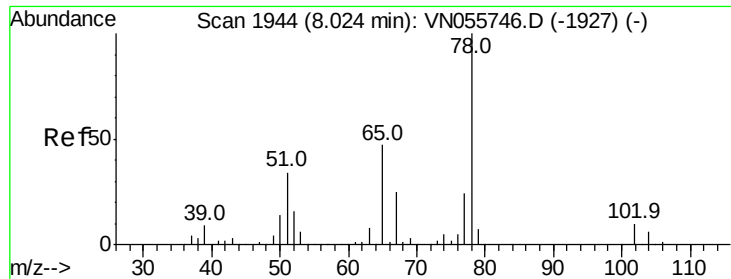
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#32
1,1,1-Trichloroethane
Concen: 47.975 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	64.3	52.0	78.0	
61	40.3	32.9	49.3	





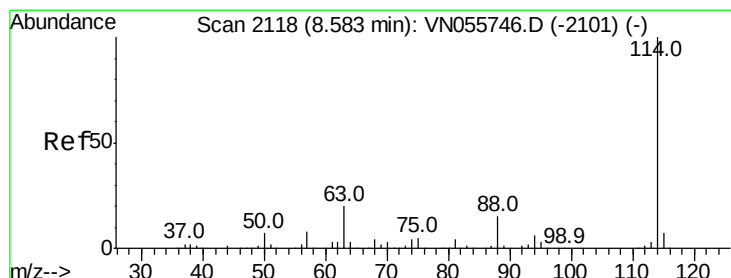
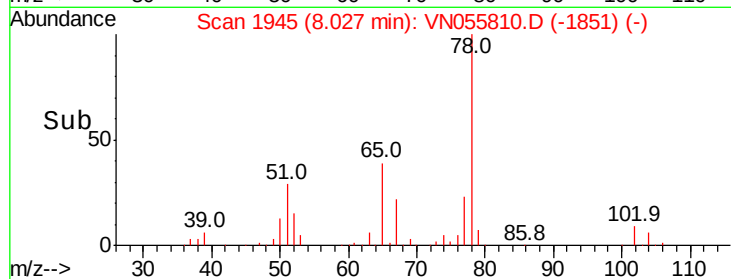
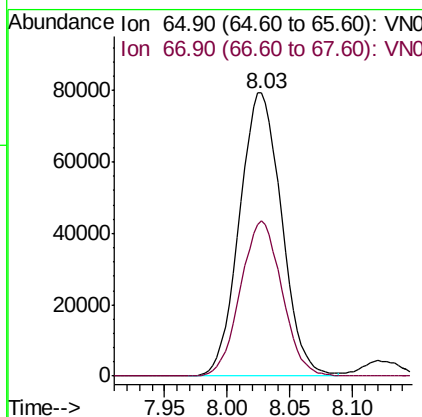
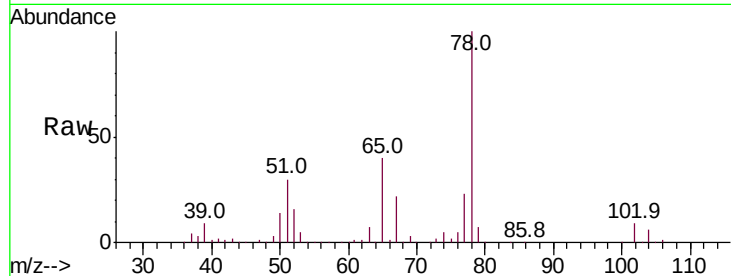
#33
 1,2-Dichloroethane-d4
 Concen: 49.820 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185713		
67	54.1	0.0	109.2	

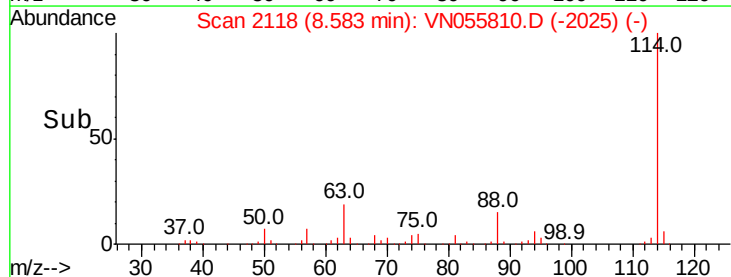
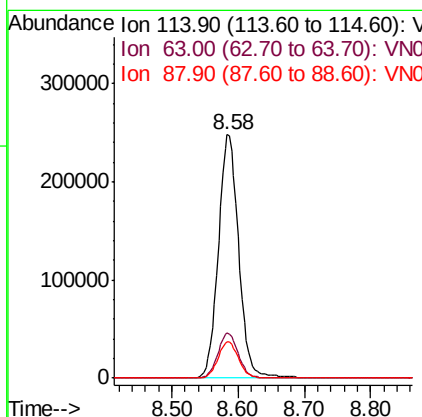
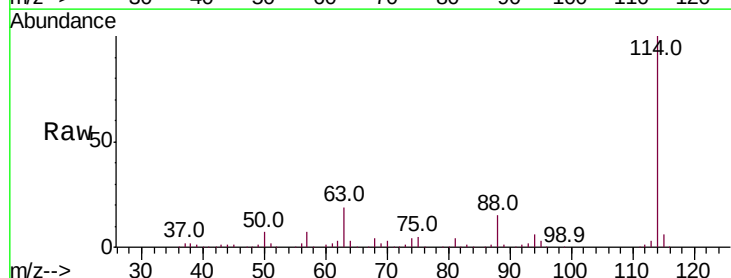
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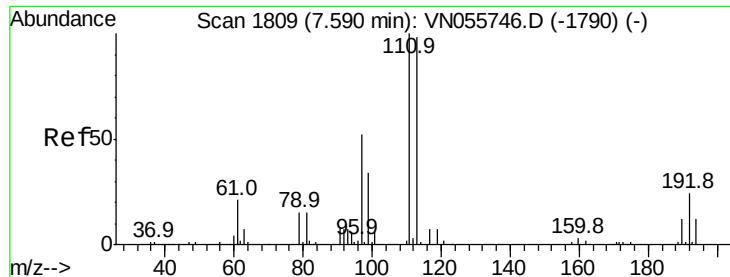
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	527788		
63	18.6	0.0	39.2	
88	15.1	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.586 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

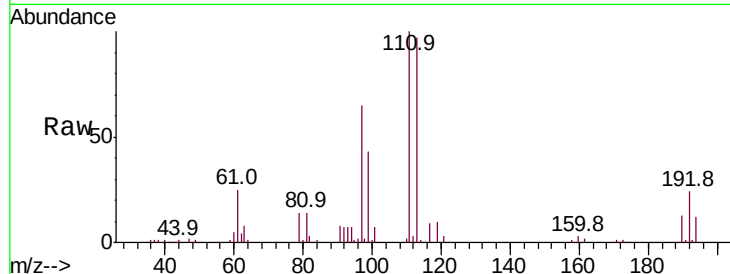
ClientSampleId :

VSTDCCC050

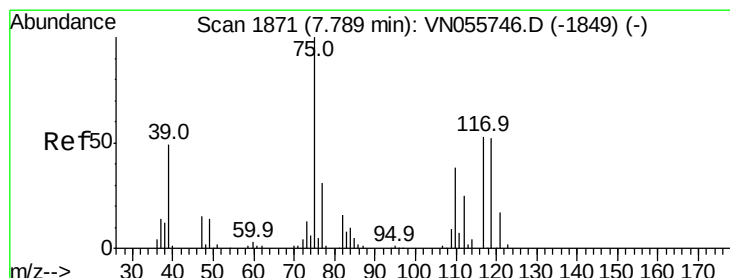
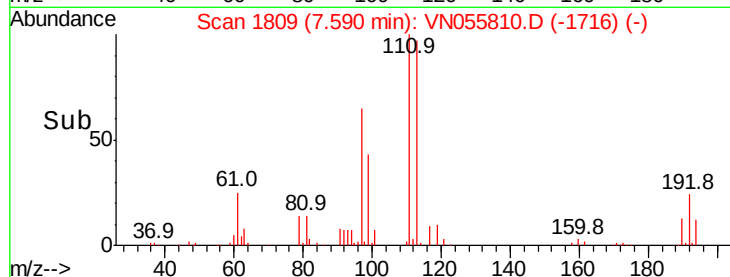
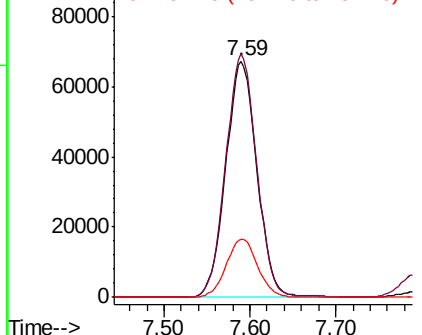
Tot Ion:	113	Resp:	168797
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.9	122.9
192	24.9	19.5	29.3

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.708 ug/l

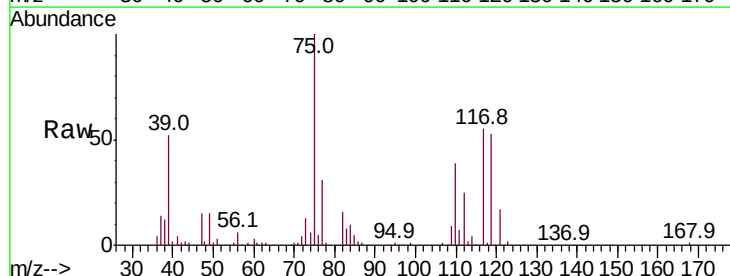
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

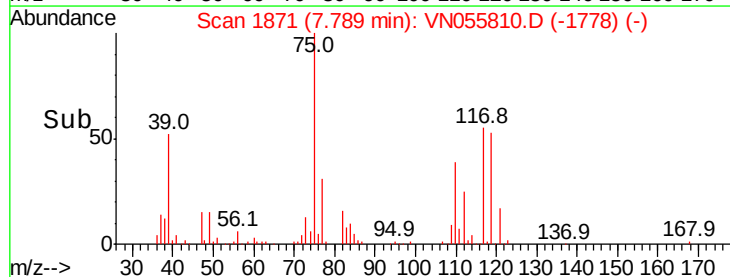
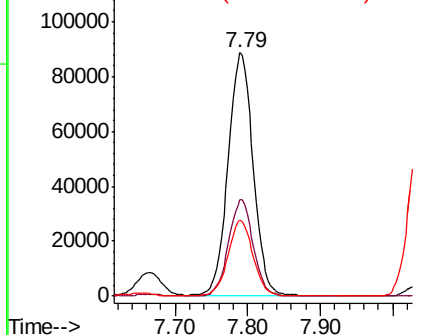
Lab File: VN055810.D

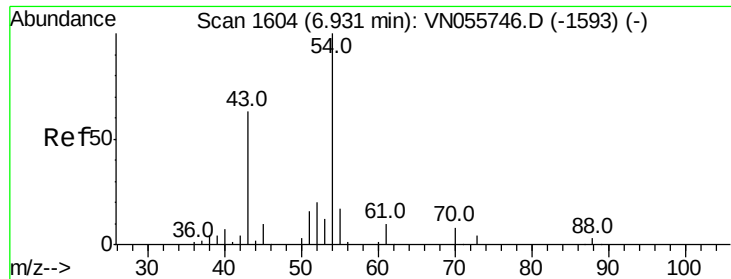
Acq: 24 May 2019 21:33

Tgt Ion:	75	Resp:	214830
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.0	57.0
77	30.8	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





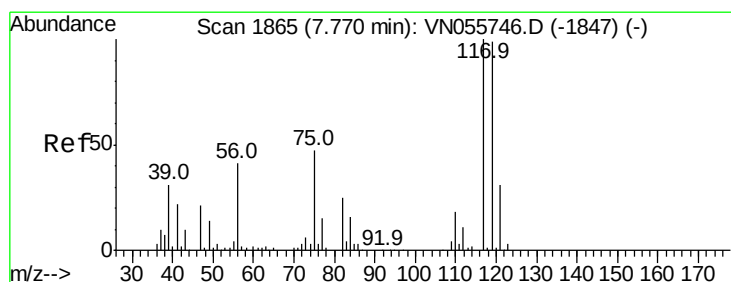
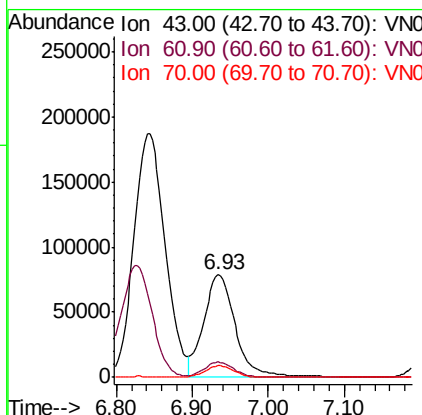
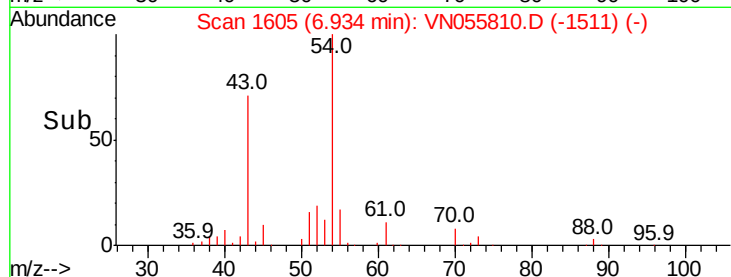
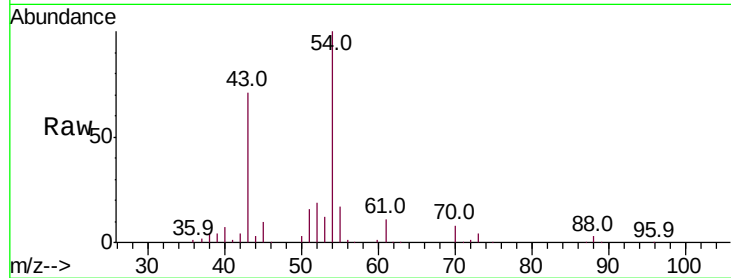
#37
Ethyl Acetate
Concen: 50.382 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	61	70
Ratio	100	13.6	10.8
Lower		12.2	8.9
Upper		18.2	13.3

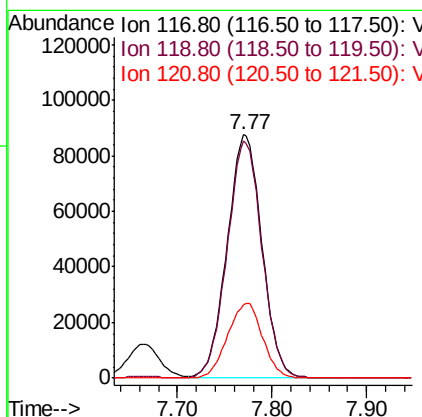
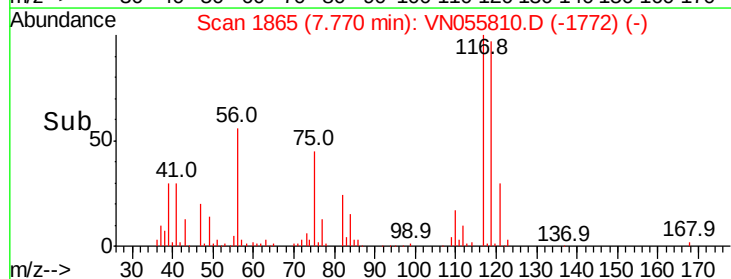
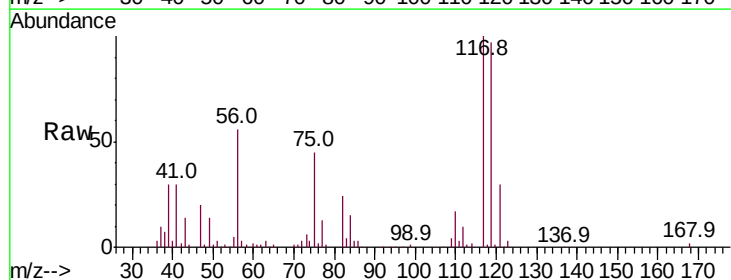
Manual Integrations
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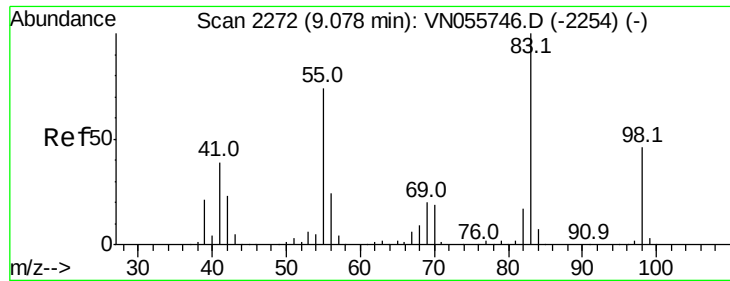
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.756 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	117	119	121
Ratio	100	97.4	30.0
Lower		79.0	24.7
Upper		118.6	37.1





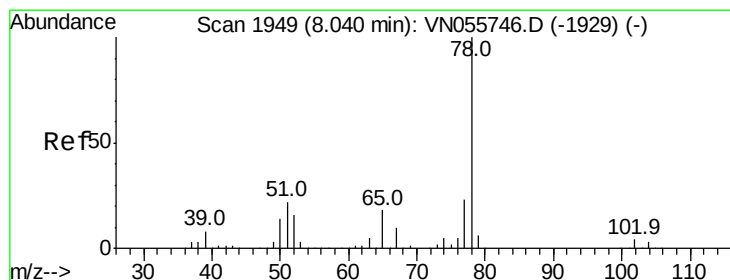
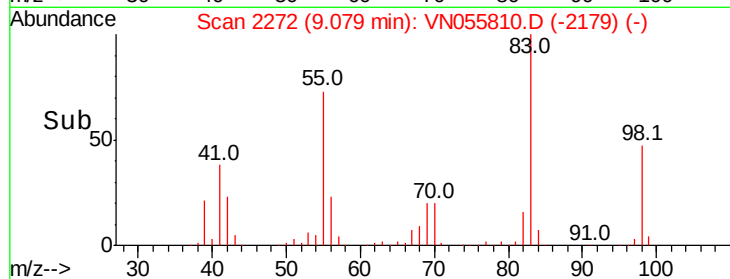
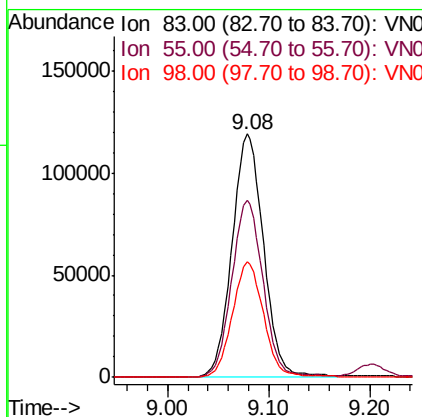
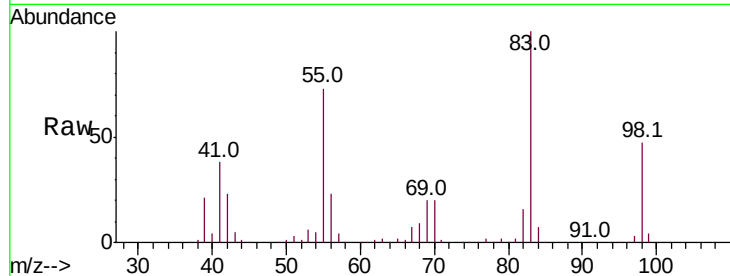
#39
Methylvlcyclohexane
Concen: 45.497 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	259133
Ion Ratio	100	Lower	Upper
83	100		
55	72.9	59.3	88.9
98	47.3	36.6	54.8

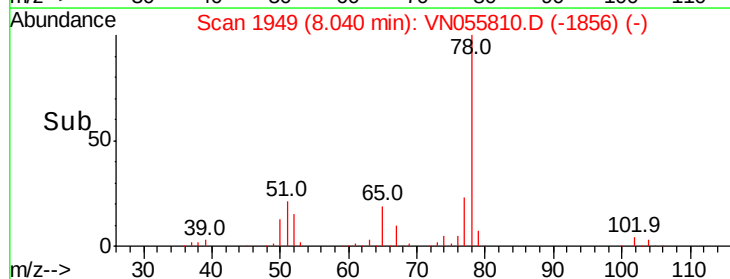
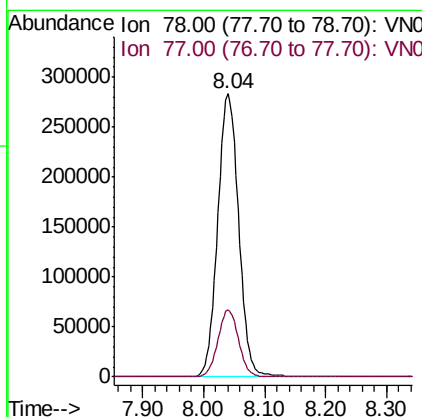
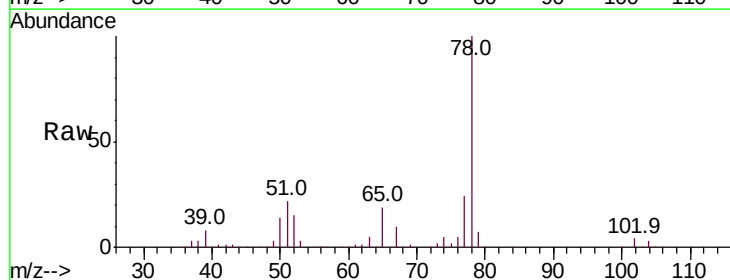
Manual Integrations
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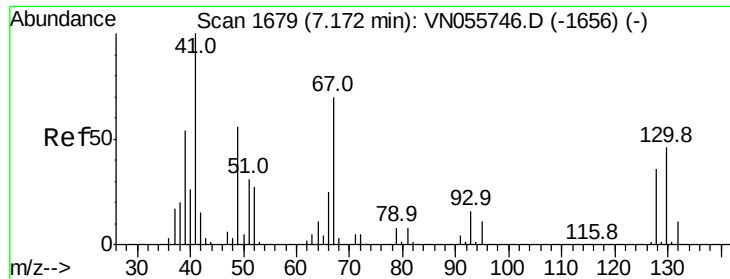
MMDadoda
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#40
Benzene
Concen: 48.638 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	78	Resp	674219
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 45.186 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

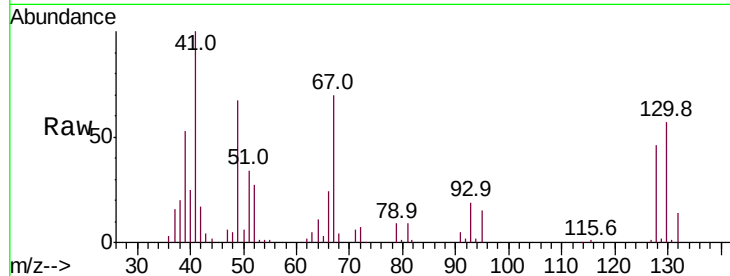
VSTDCCC050

Tot Ion: 41 Resp: 101479
Ion Ratio Lower Upper

41	100		
39	61.6	45.6	68.4
67	88.8	67.7	101.5
52	34.3	26.6	40.0

Manual Integrations
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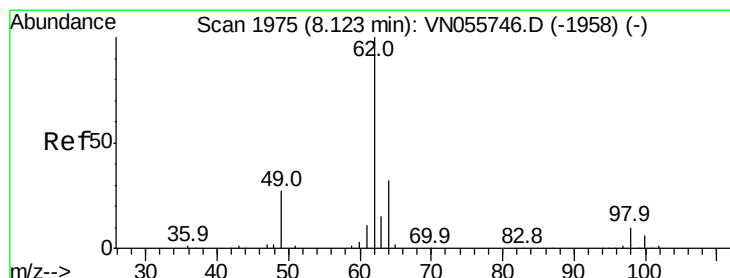
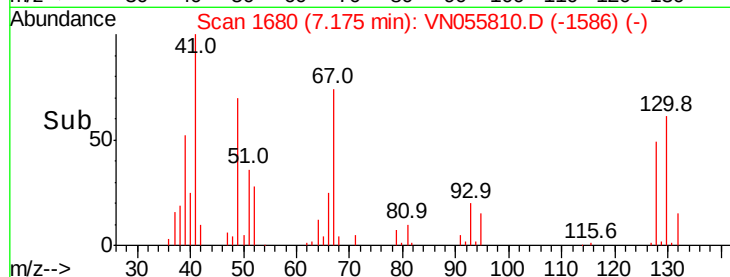
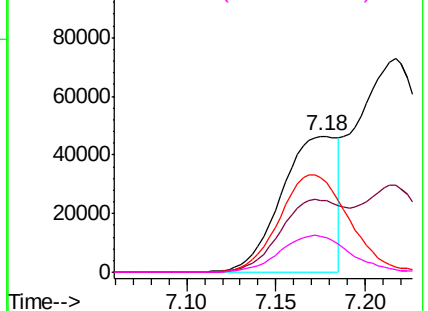
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 48.111 ug/l

RT: 8.12 min Scan# 1975

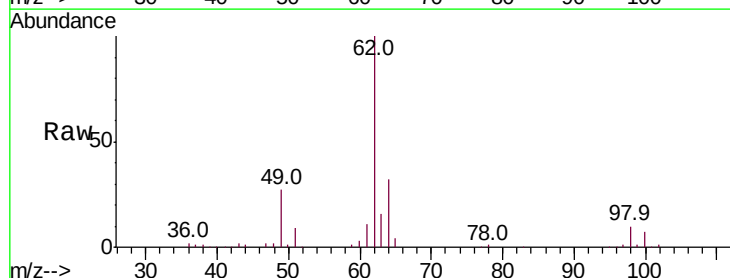
Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion: 62 Resp: 217920
Ion Ratio Lower Upper

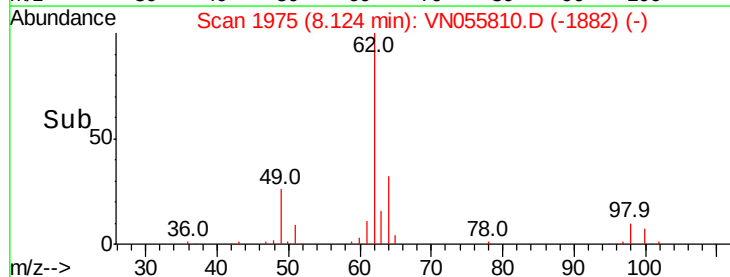
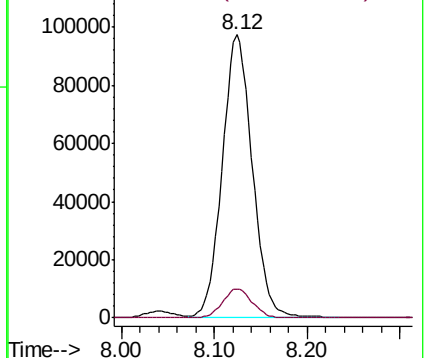
62	100		
98	10.2	0.0	20.2

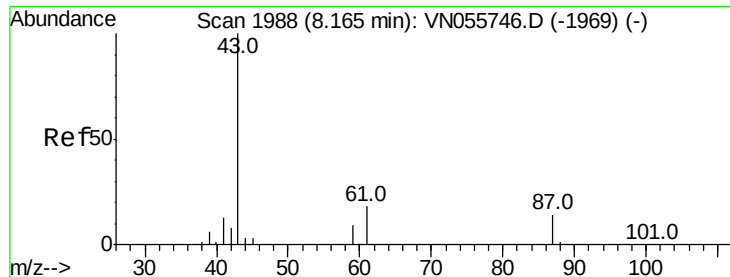


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 47.346 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

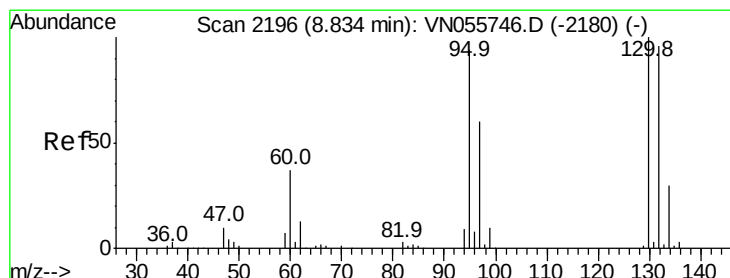
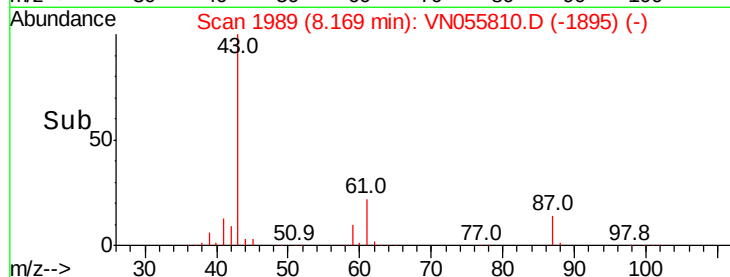
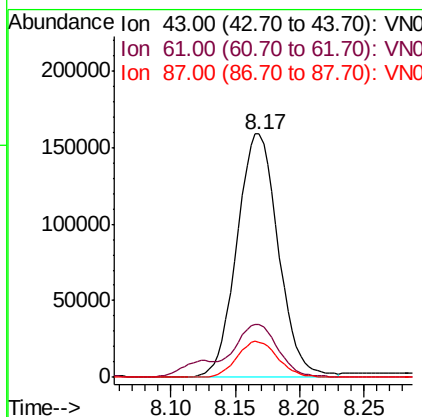
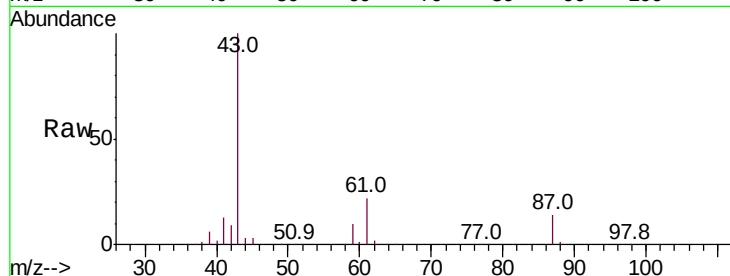
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	353628
Ion Ratio	Lower	Upper	
43	100		
61	22.3	22.2	33.4
87	14.6	11.4	17.2

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#44

Trichloroethene

Concen: 50.316 ug/l

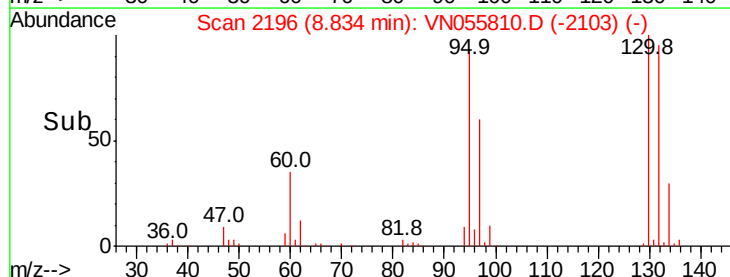
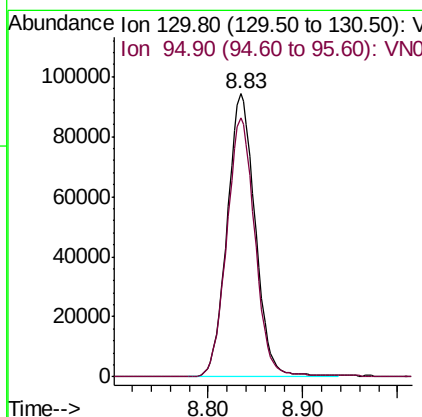
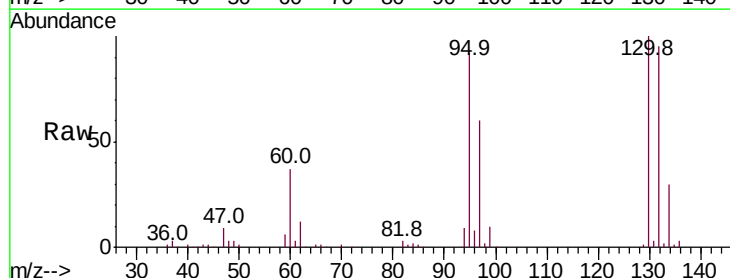
RT: 8.83 min Scan# 2196

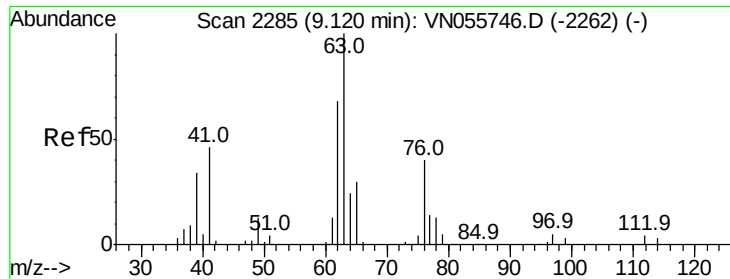
Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion:	130	Resp:	194444
Ion Ratio	Lower	Upper	
130	100		
95	91.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 48.918 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 176672

Ion Ratio Lower Upper

63 100

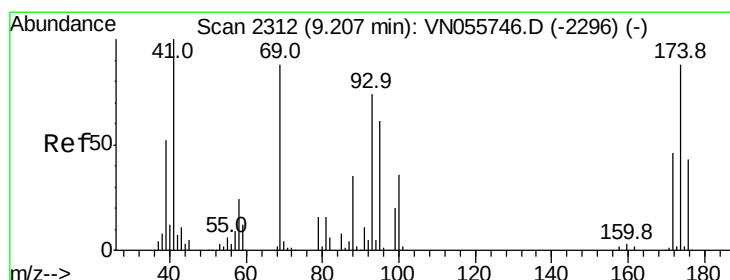
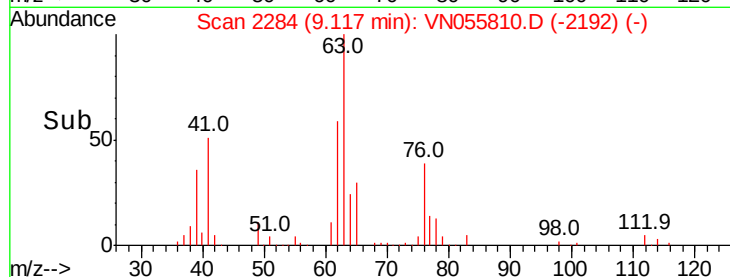
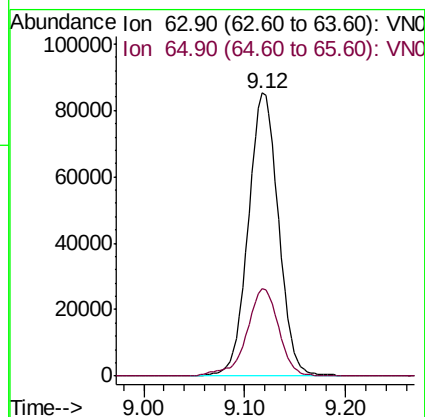
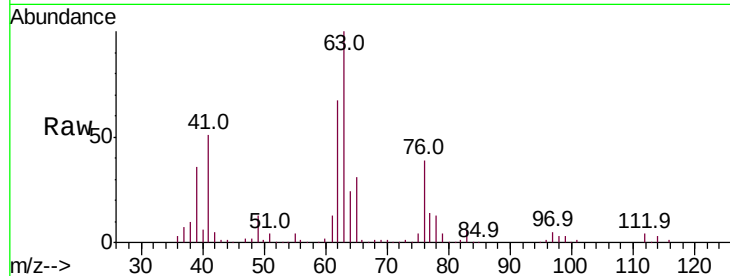
65 30.7 24.6 36.8

Manual Integrations

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5/28/2019 10:36:23 AM



#46

Dibromomethane

Concen: 49.322 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

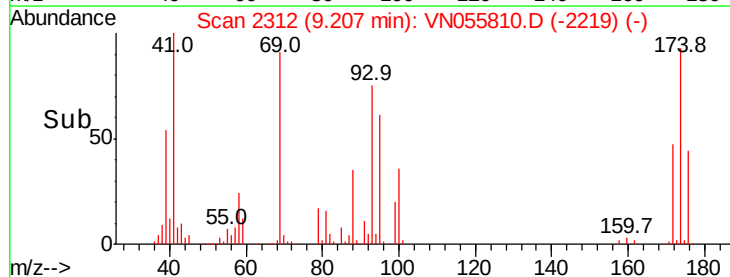
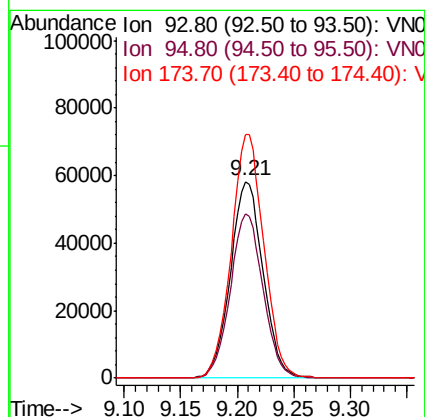
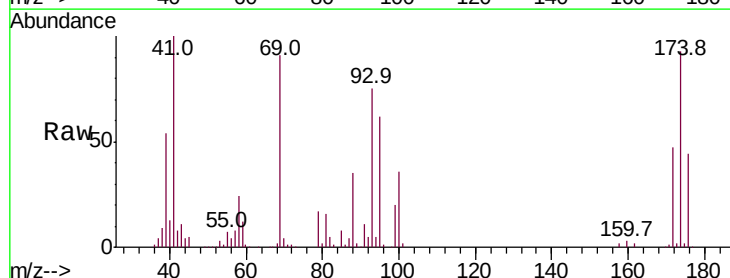
Tgt Ion: 93 Resp: 116822

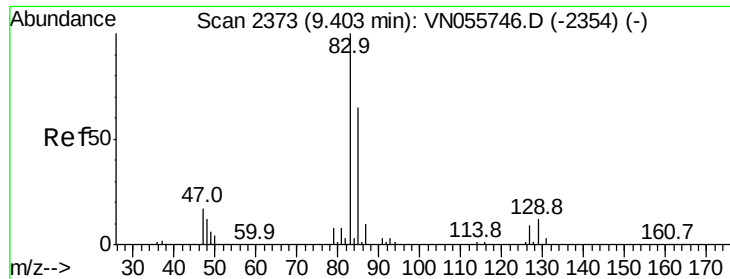
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 123.7 96.4 144.6





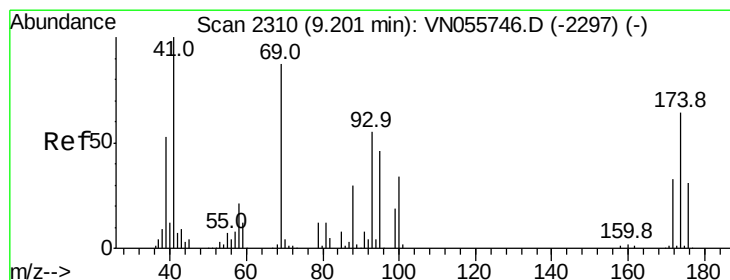
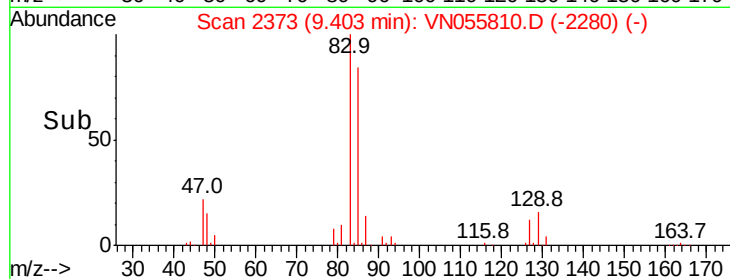
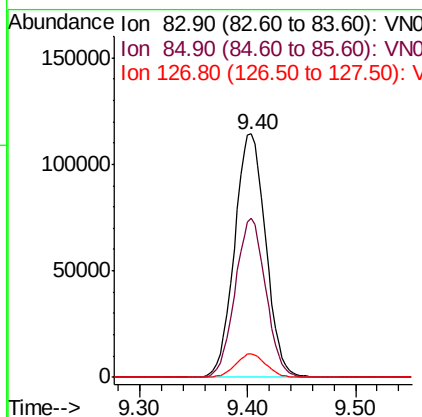
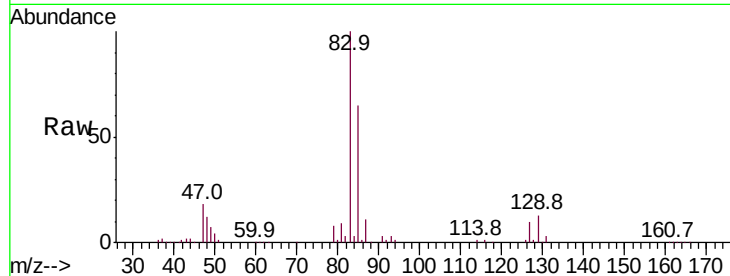
#47
Bromodichloromethane
Concen: 47.463 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	230516
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	52.2	78.2
127	9.6	7.4	11.0

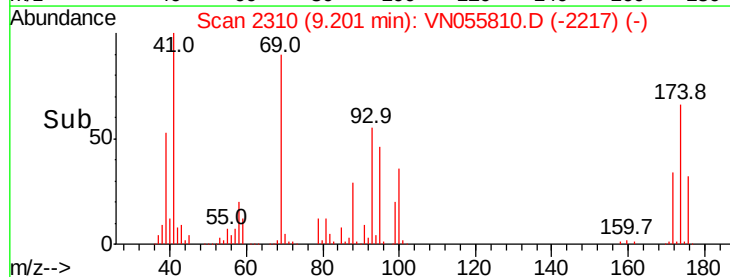
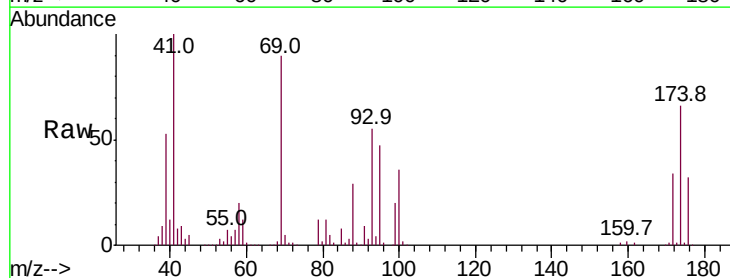
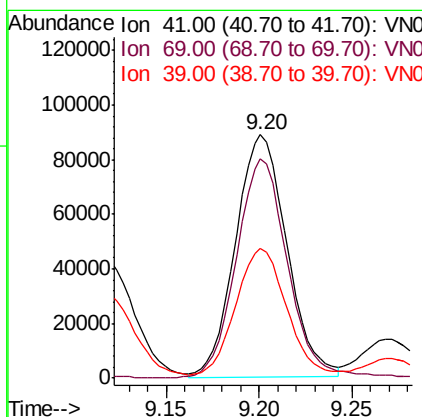
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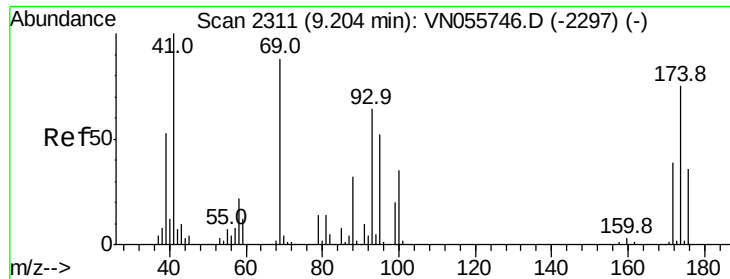
MMDadoda
5/28/2019 10:36:23 AM



#48
Methyl methacrylate
Concen: 49.711 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	41	Resp	171119
Ion Ratio	100	Lower	Upper
41	100		
69	90.2	71.0	106.6
39	53.7	44.2	66.2





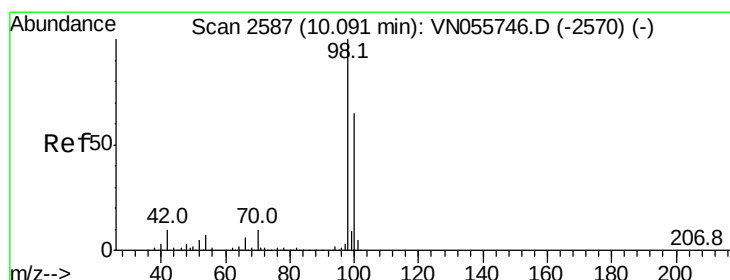
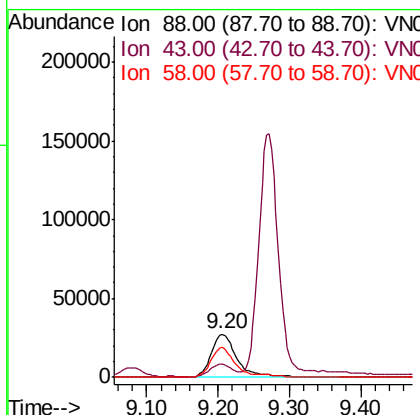
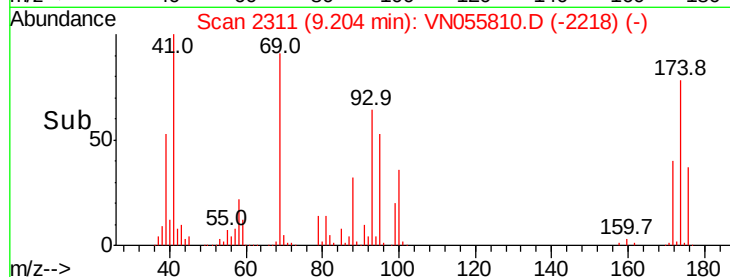
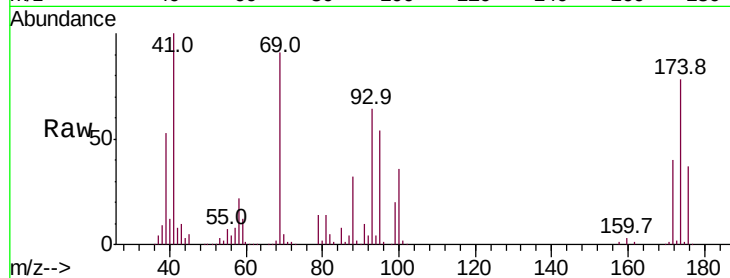
#49
 1,4-Dioxane
 Concen: 972.398 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	69559
Ion	Ratio	Lower	Upper
88	100		
43	24.4	20.5	30.7
58	66.8	55.8	83.6

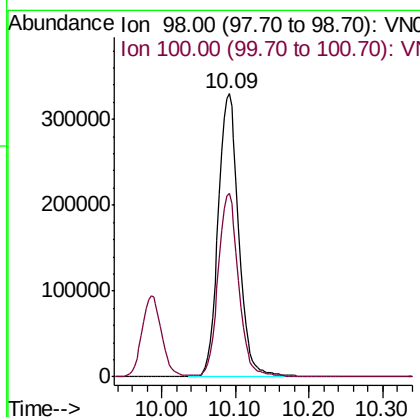
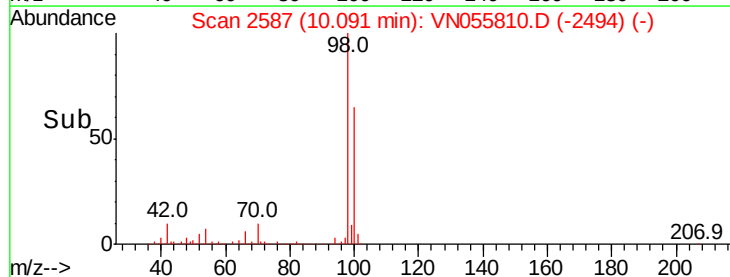
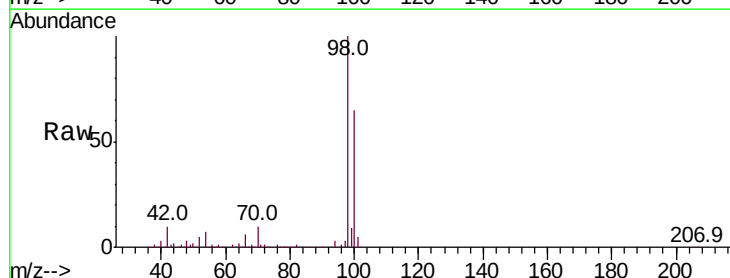
Manual Integrations
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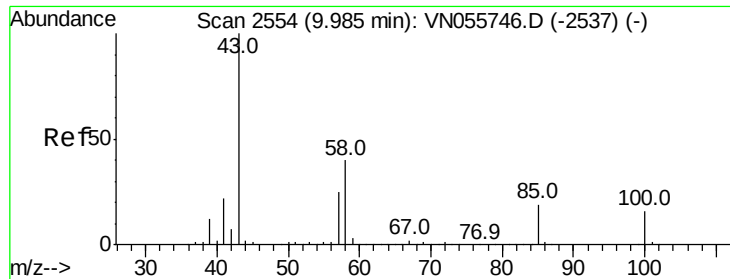
MMDadoda
 5/28/2019 10:36:23 AM



#50
 Toluene-d8
 Concen: 49.817 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	98	Resp	637654
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 244.130 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1076906

Ion Ratio Lower Upper

43 100

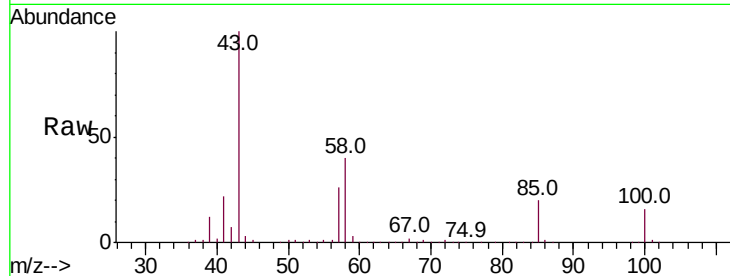
58 40.5 32.1 48.1

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

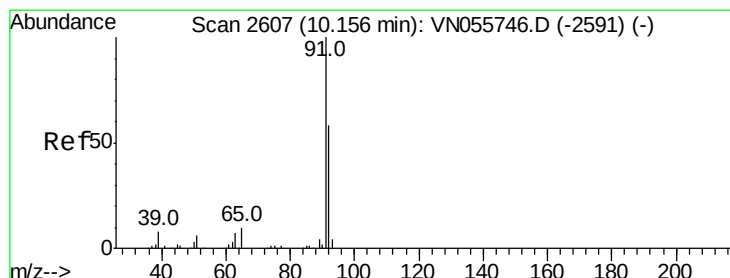
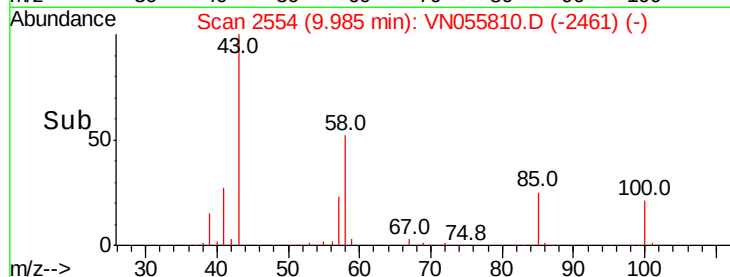
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 48.960 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055810.D

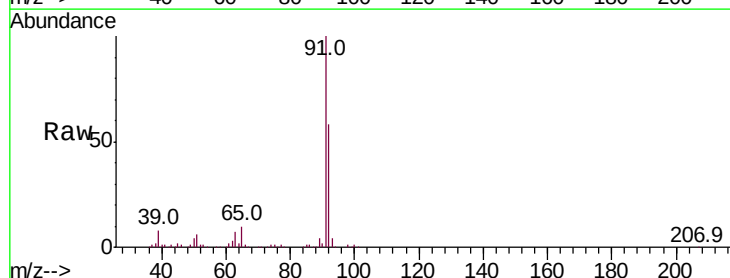
Acq: 24 May 2019 21:33

Tgt Ion: 92 Resp: 426841

Ion Ratio Lower Upper

92 100

91 173.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

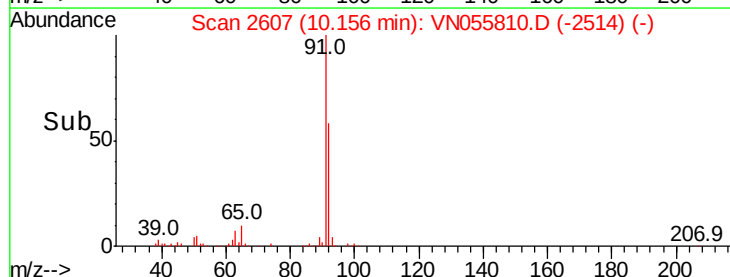
200000

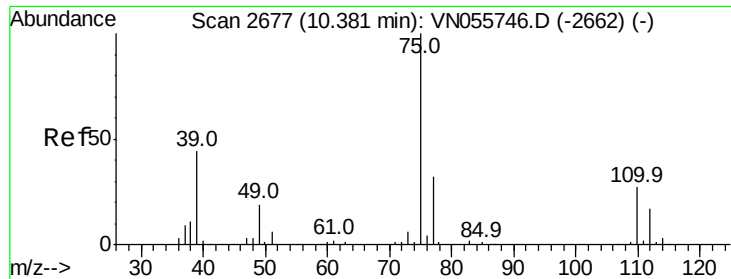
100000

0

10.10 10.16 10.20 10.30

Time-->





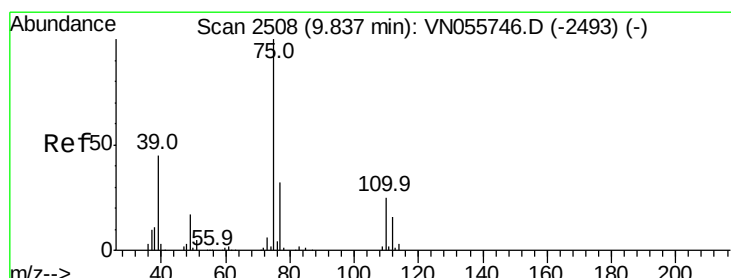
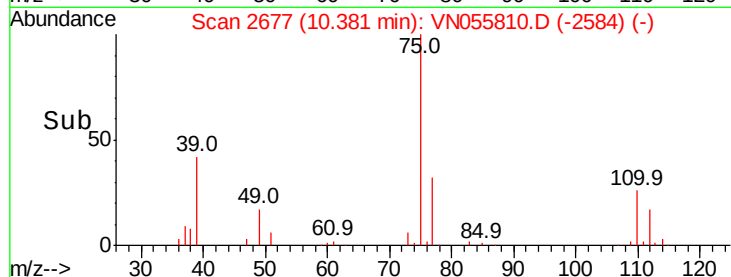
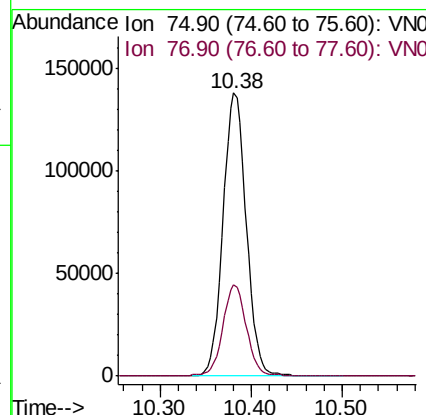
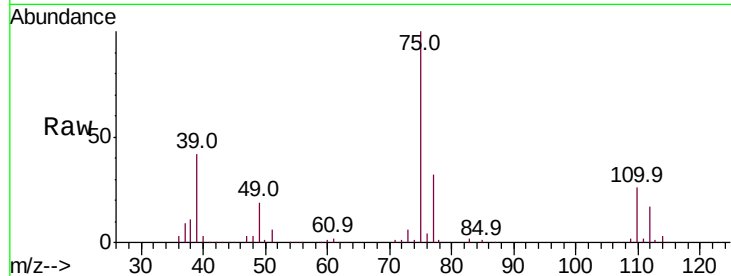
#53
t-1,3-Dichloropropene
Concen: 47.520 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 246353
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6

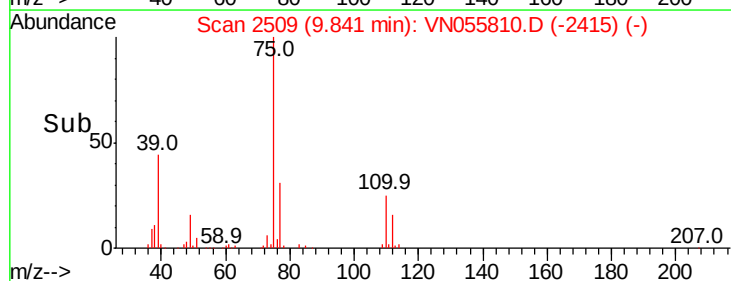
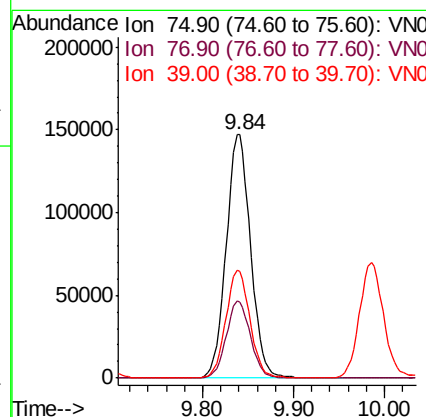
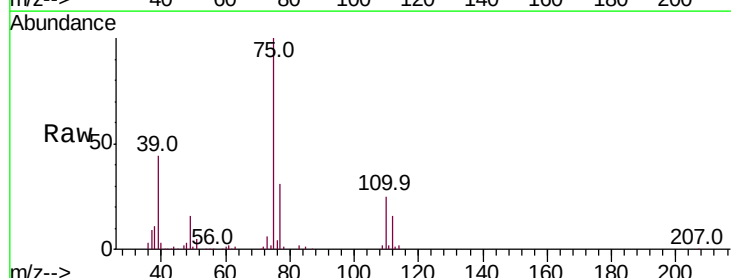
Manual Integrations
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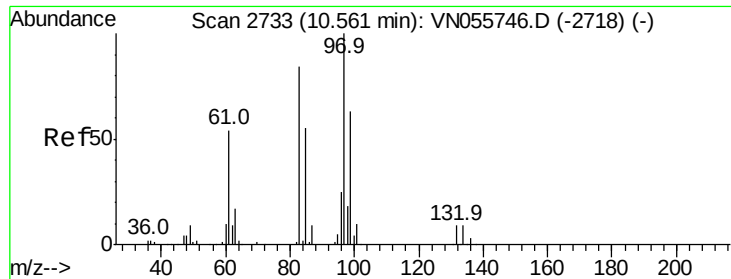
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.656 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion: 75 Resp: 273694
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 43.7 36.3 54.5





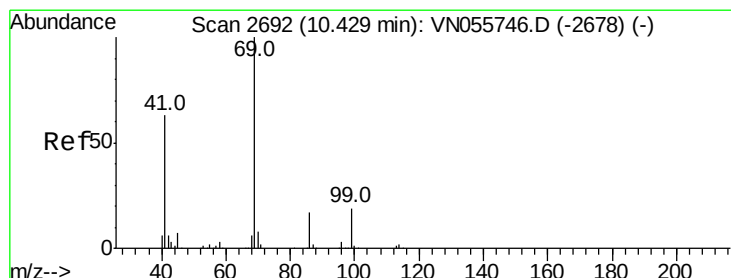
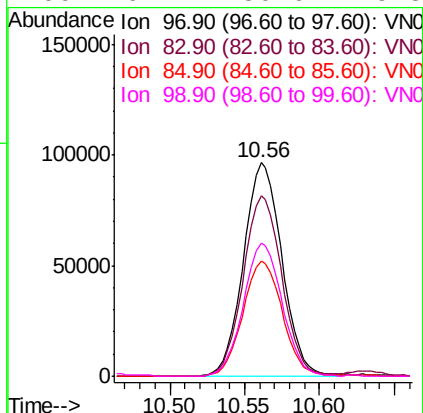
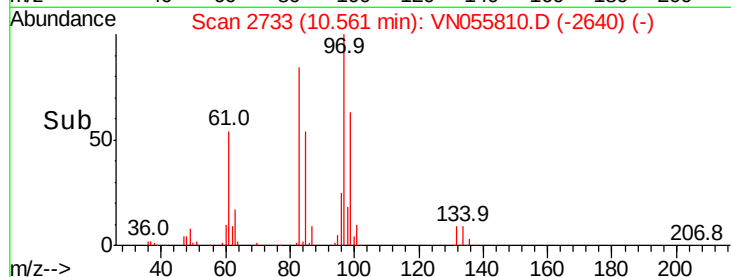
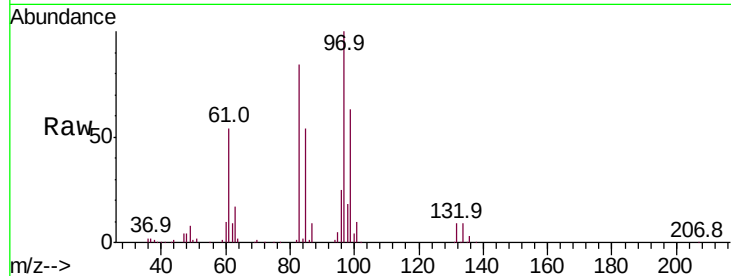
#55
 1,1,2-Trichloroethane
 Concen: 49.617 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	173290
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	53.9	44.0	66.0
99	62.4	50.6	75.8

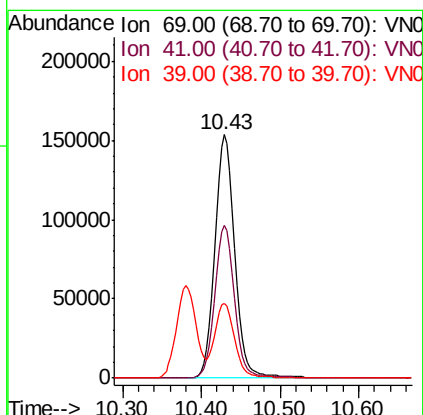
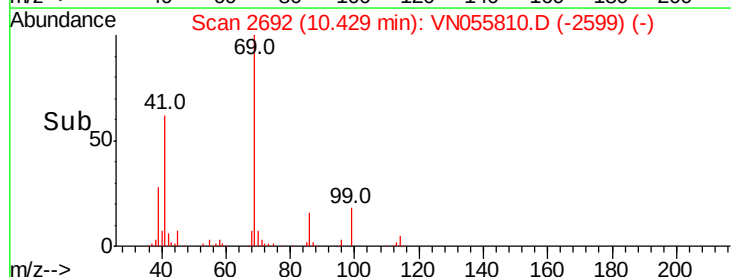
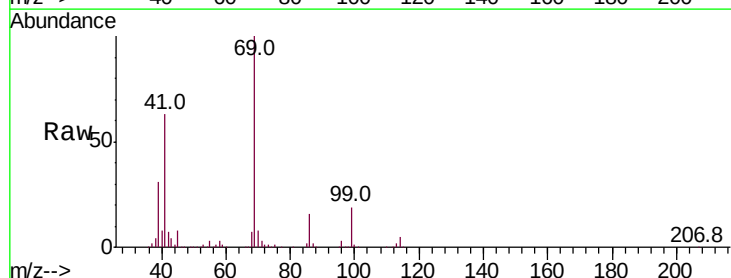
Manual Integrations
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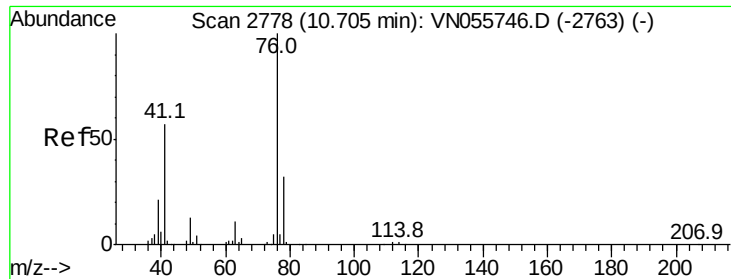
MMDadoda
 5/28/2019 10:36:23 AM



#56
 Ethyl methacrylate
 Concen: 49.528 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	69	Resp	267339
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.7	74.5
39	30.7	24.7	37.1





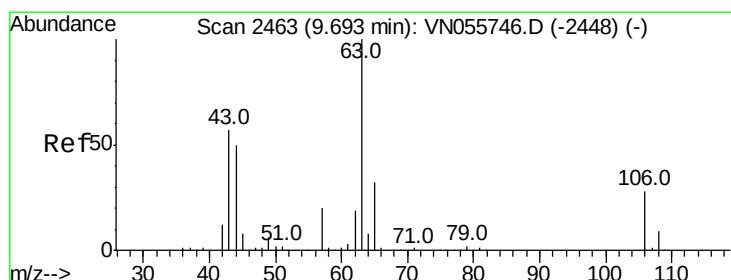
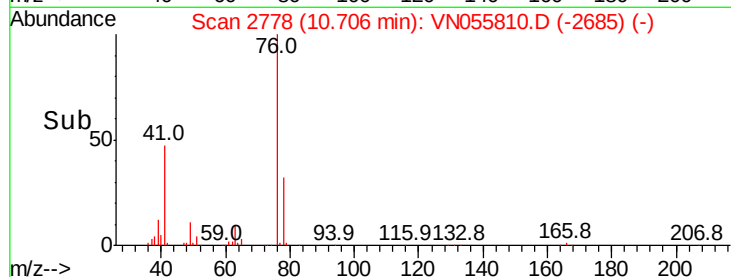
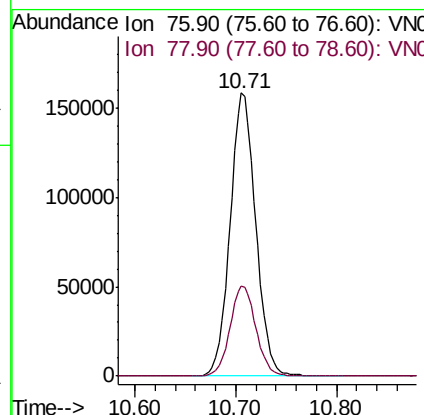
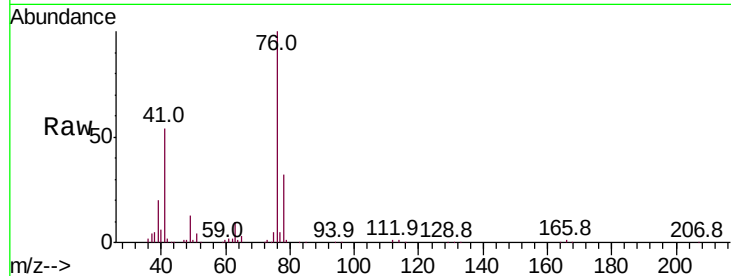
#57
 1,3-Dichloropropane
 Concen: 49.471 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

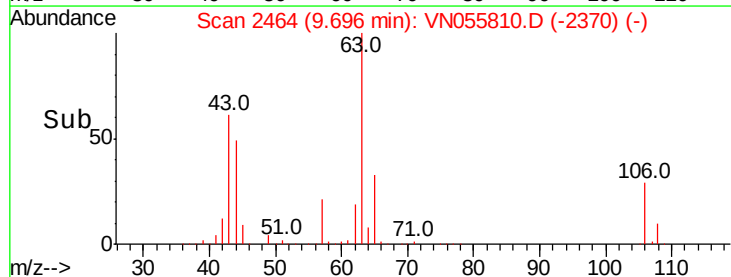
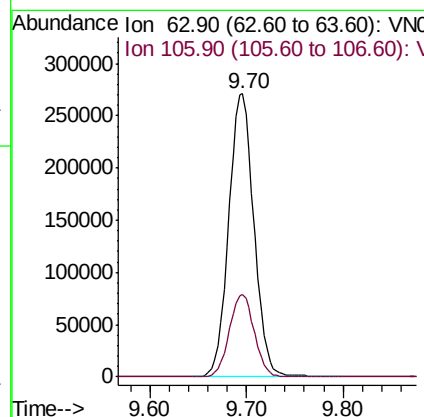
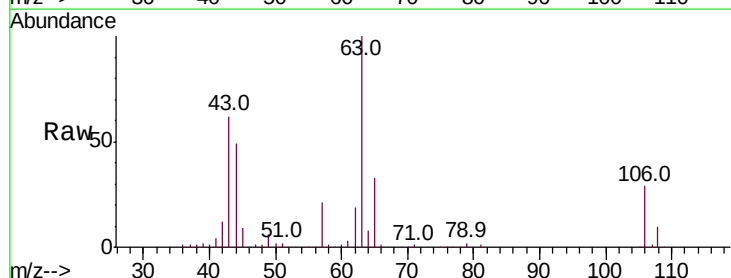
Manual Integrations
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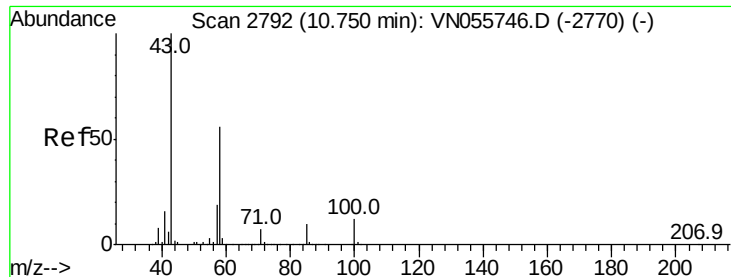
MMDadoda
 5/28/2019 10:36:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.769 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	22.7	34.1





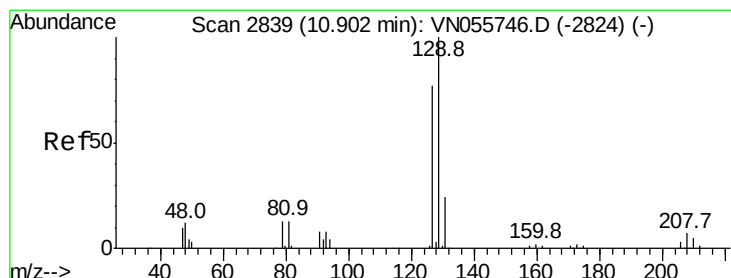
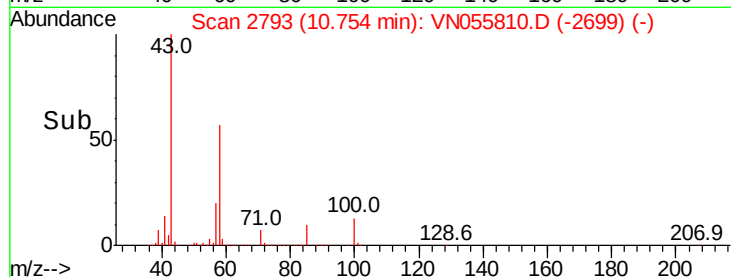
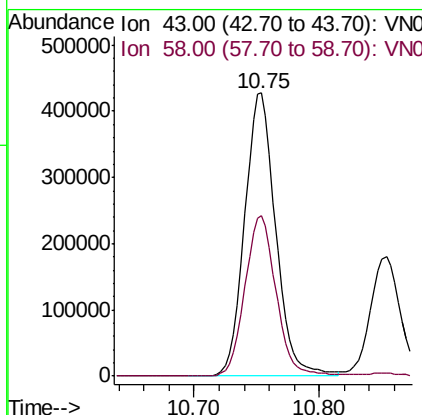
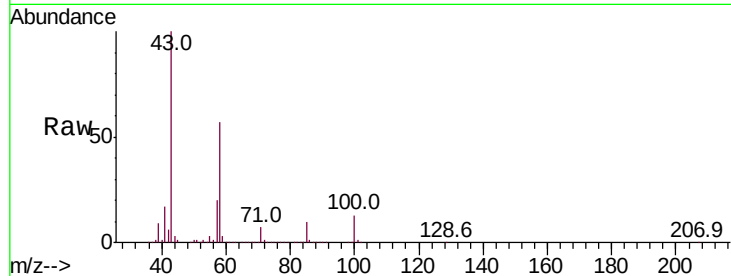
#59
2-Hexanone
Concen: 235.300 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 736334
Ion Ratio Lower Upper
43 100
58 57.2 28.2 84.7

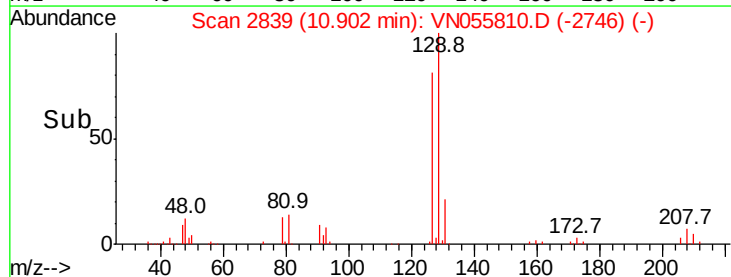
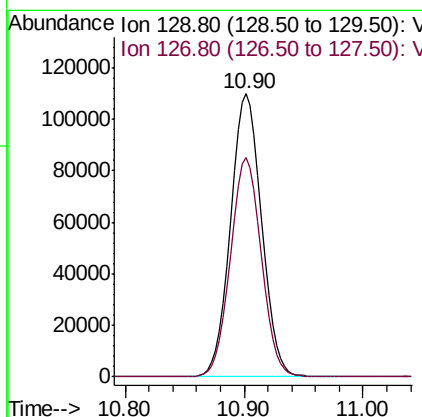
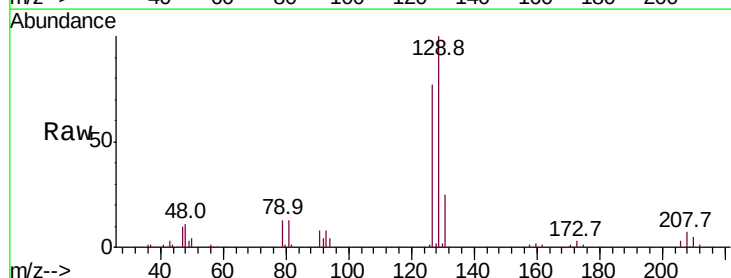
Manual Integrations
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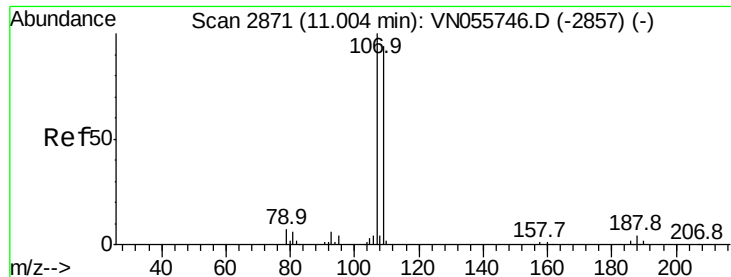
MMDadoda
5/28/2019 10:36:23 AM



#60
Dibromochloromethane
Concen: 48.884 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion: 129 Resp: 198893
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.045 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 181298

Ion Ratio Lower Upper

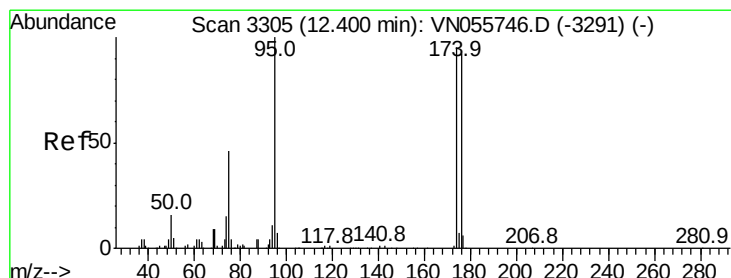
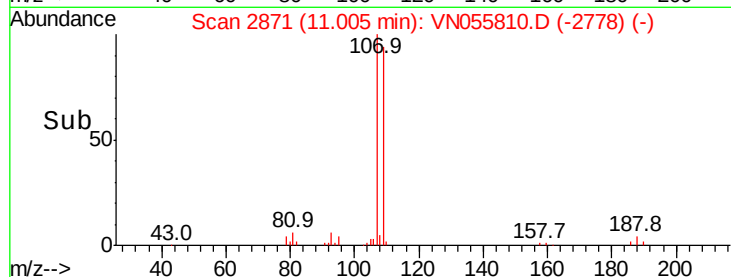
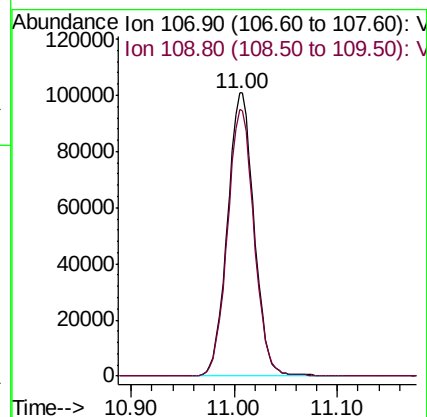
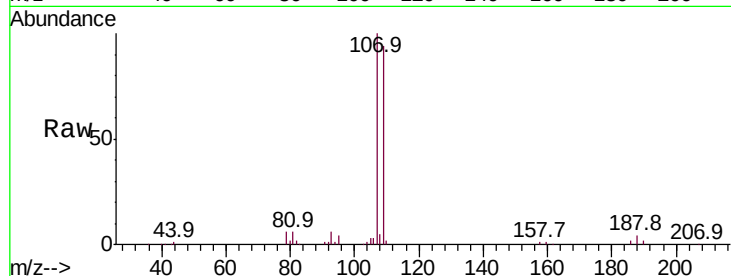
107 100

109 94.6 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.337 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

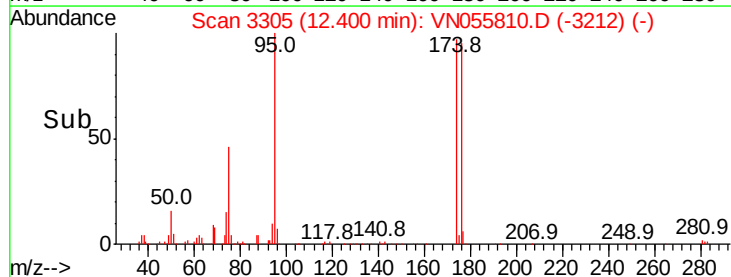
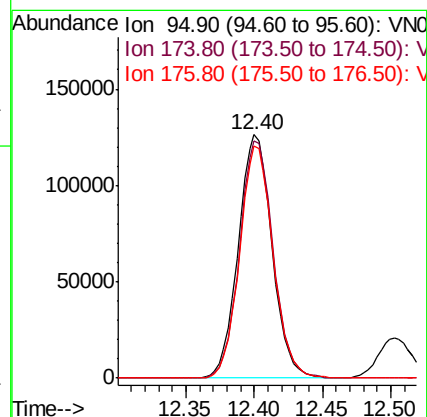
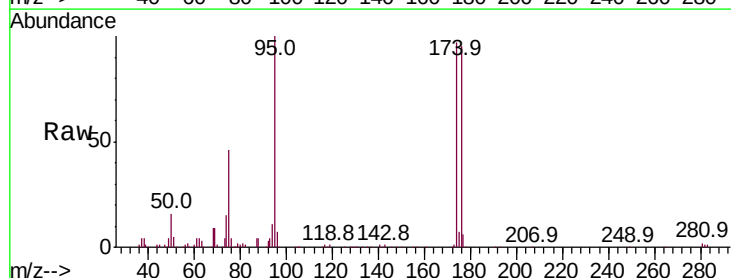
Tgt Ion: 95 Resp: 216537

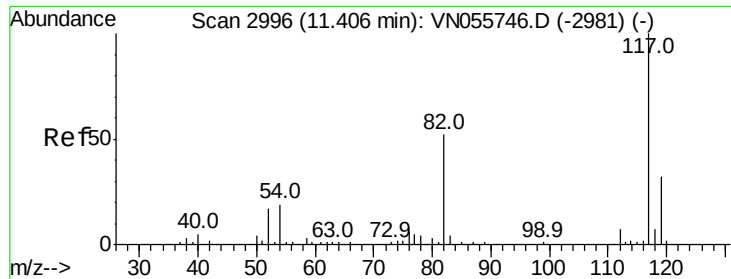
Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.0

176 94.3 0.0 185.2





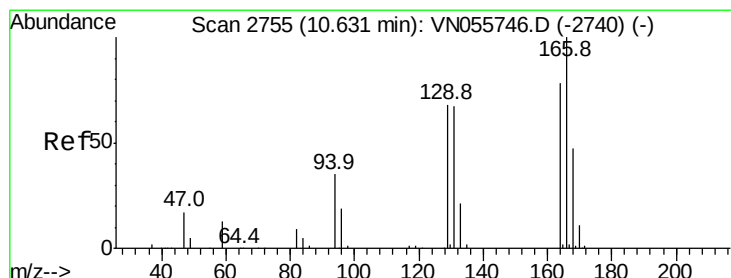
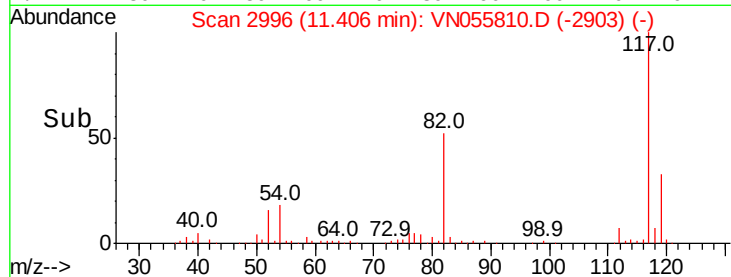
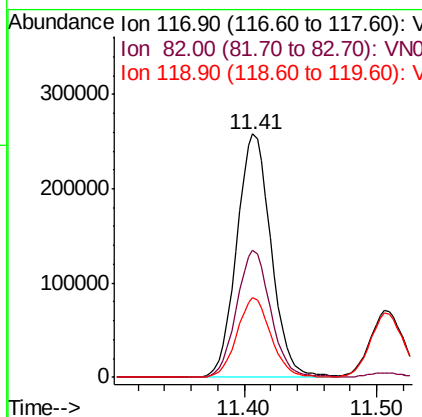
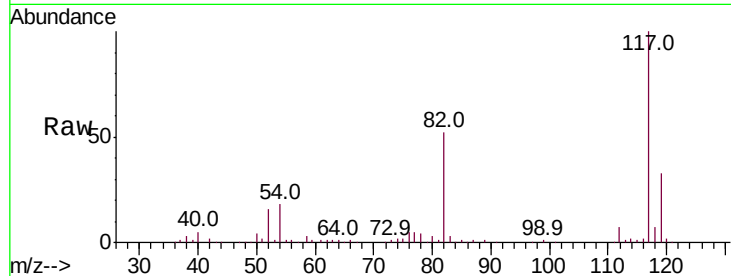
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	465196		
82	52.0		41.8	62.8
119	32.5		25.4	38.0

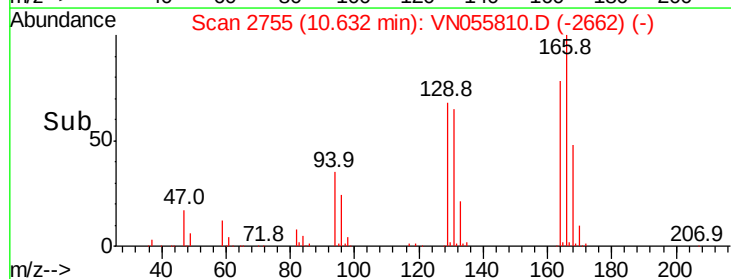
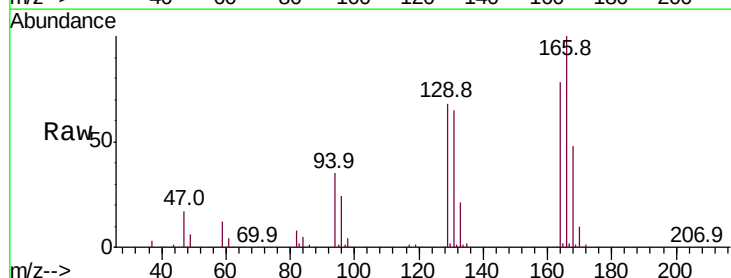
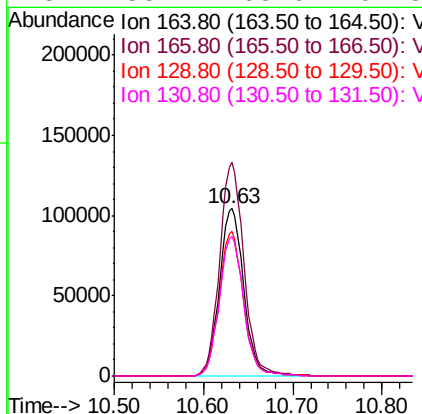
Manual Integrations
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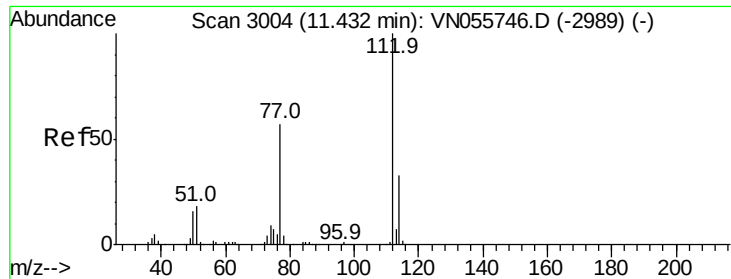
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#64
Tetrachloroethene
Concen: 50.266 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197220		
166	127.6		103.0	154.6
129	86.5		70.6	105.8
131	83.2		68.6	102.8





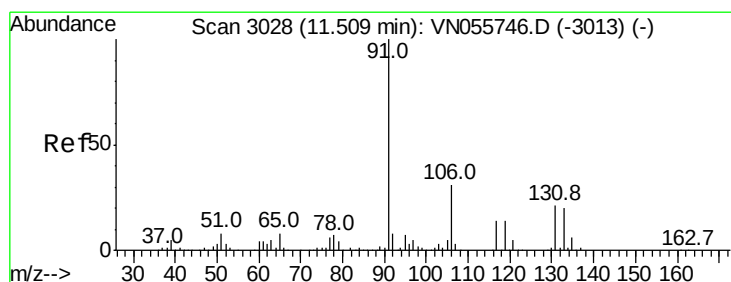
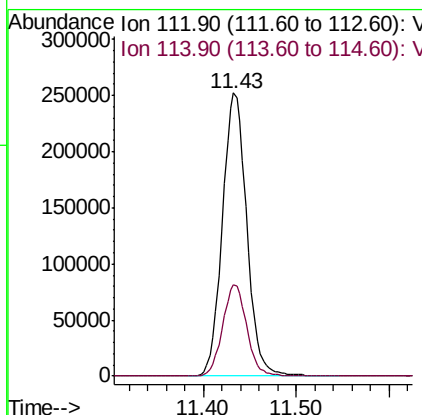
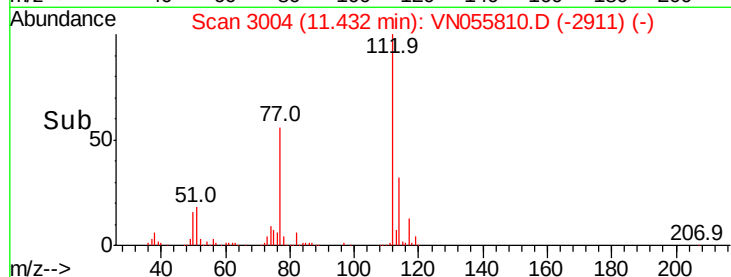
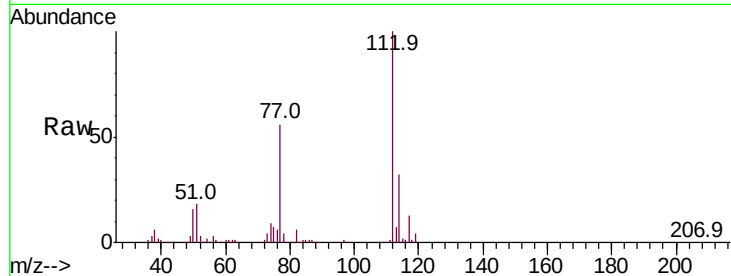
#65
Chlorobenzene
Concen: 49.360 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 459677
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4

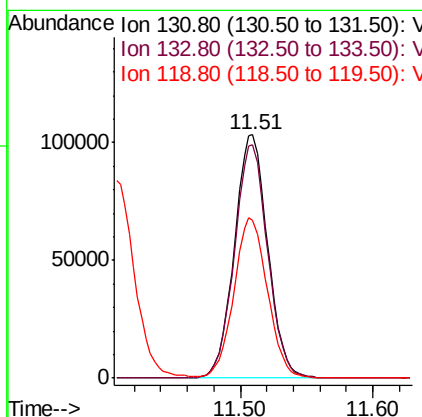
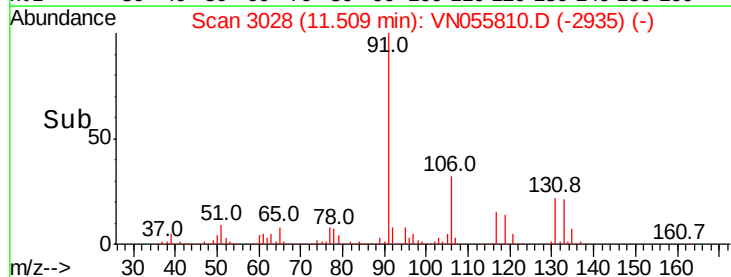
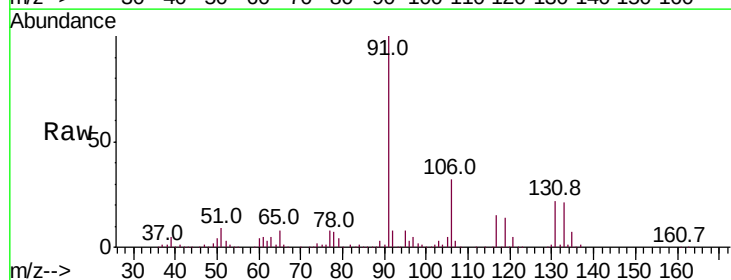
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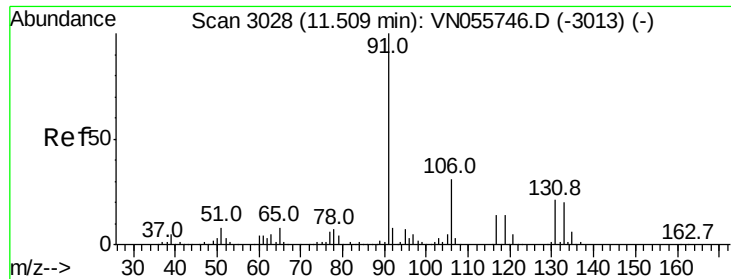
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.631 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion:131 Resp: 180628
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.4 33.1 99.5





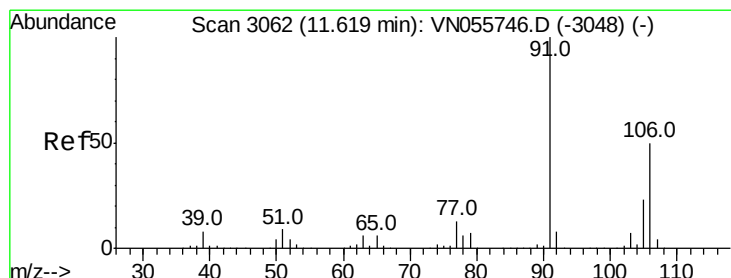
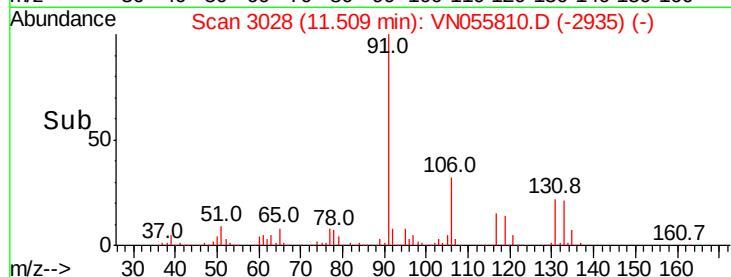
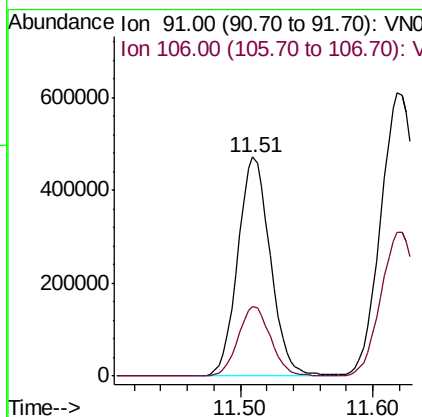
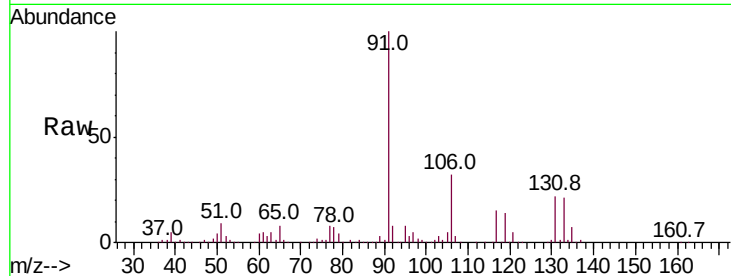
#67
Ethyl Benzene
Concen: 48.428 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 808770
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

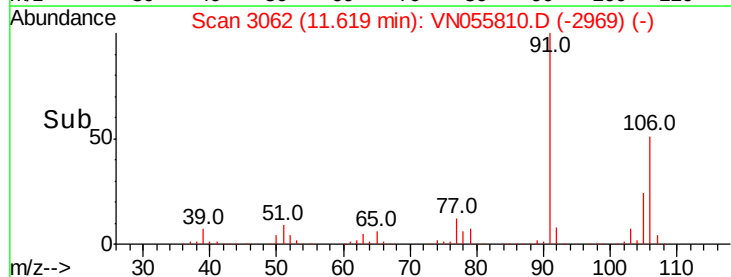
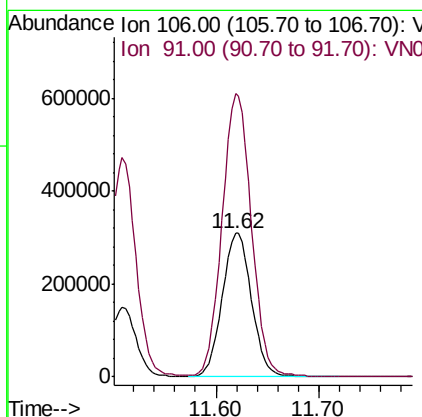
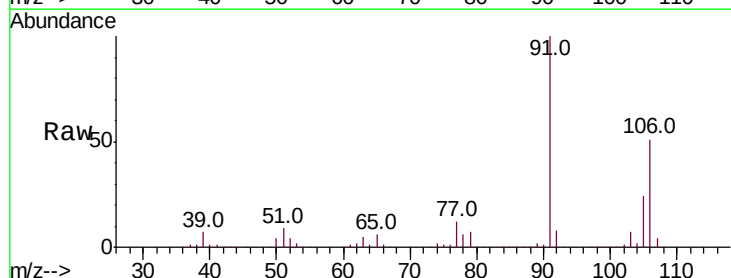
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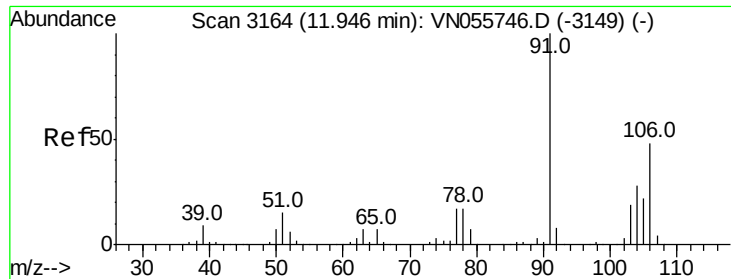
MMDadoda
5/28/2019 10:36:23 AM



#68
m/p-Xylenes
Concen: 97.395 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion: 106 Resp: 614909
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9





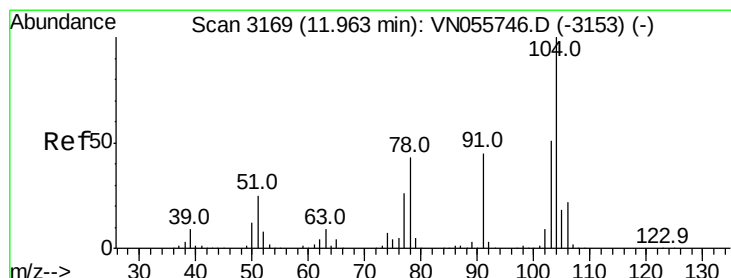
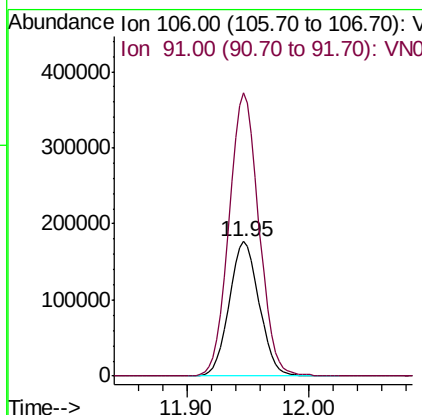
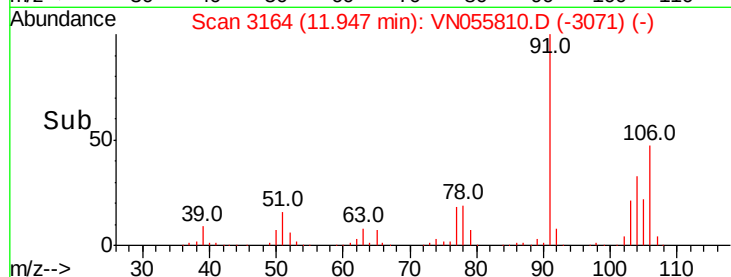
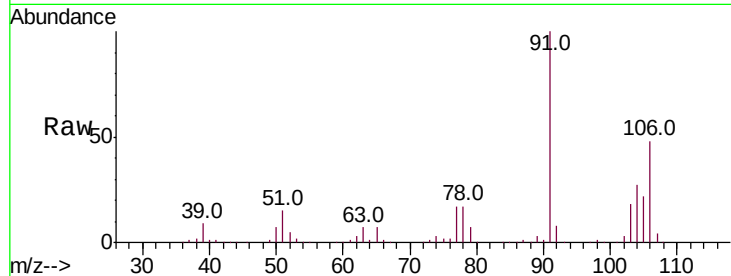
#69
o-Xylene
Concen: 48.468 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 303599
Ion Ratio Lower Upper
106 100
91 209.6 104.7 314.1

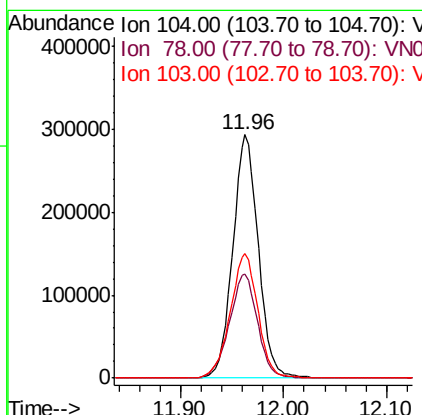
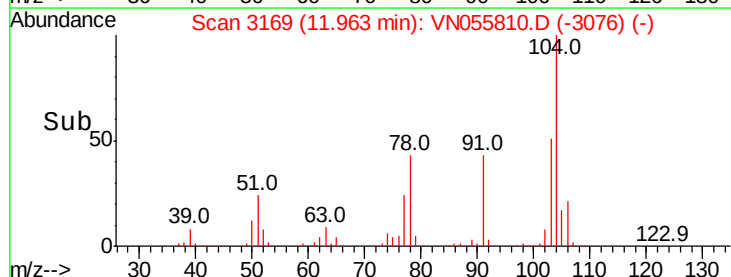
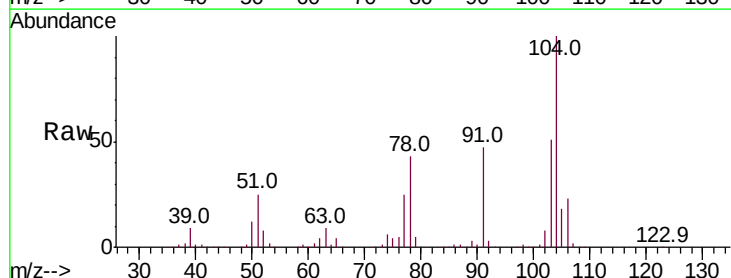
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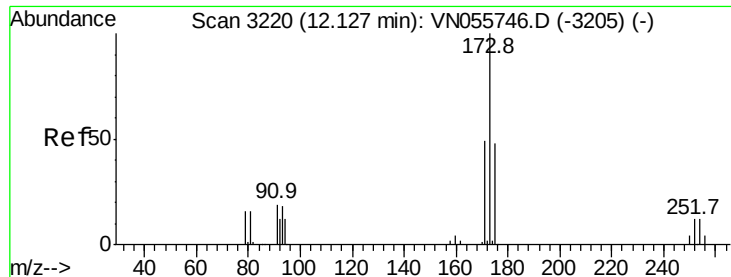
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#70
Styrene
Concen: 49.809 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion:104 Resp: 505255
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.5 44.2 66.2





#71

Bromoform

Concen: 48.777 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 154529

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

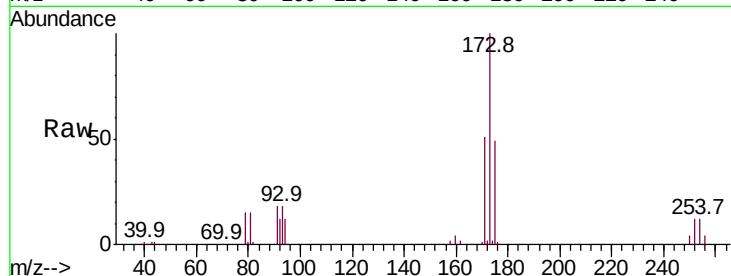
254 0.1 0.0 0.0#

Manual Integrations

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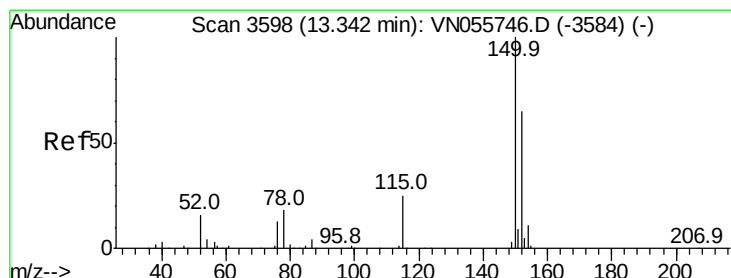
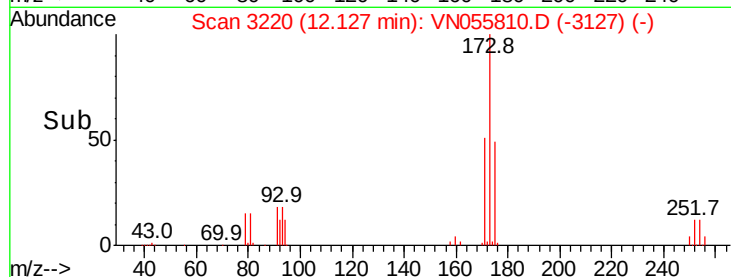
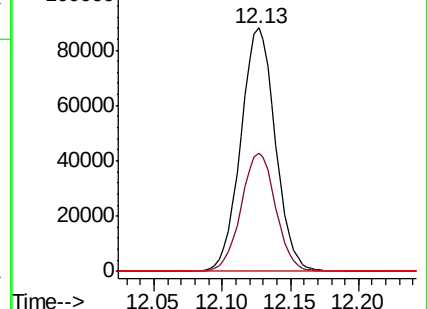
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

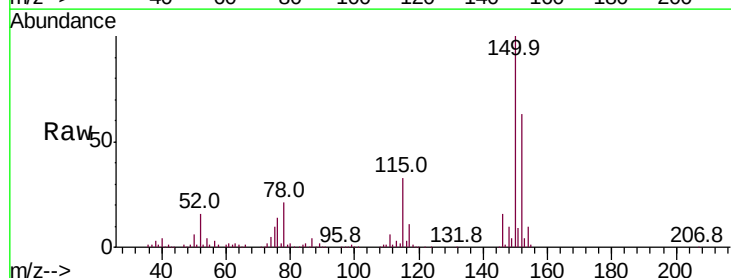
Tgt Ion:152 Resp: 207500

Ion Ratio Lower Upper

152 100

115 52.3 27.0 81.0

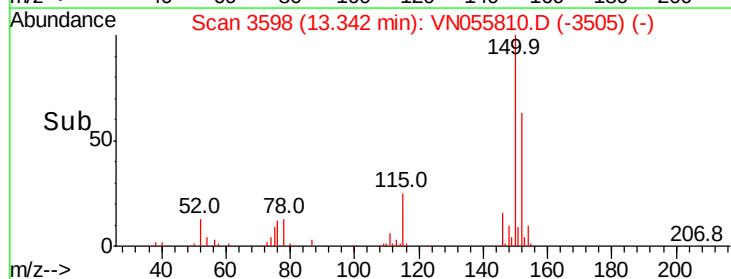
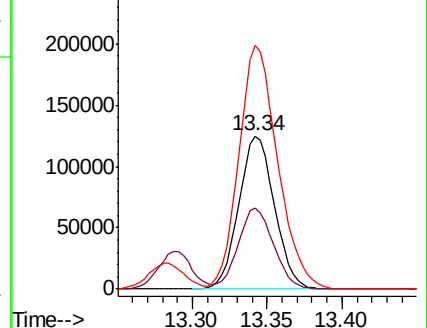
150 172.9 0.0 343.2

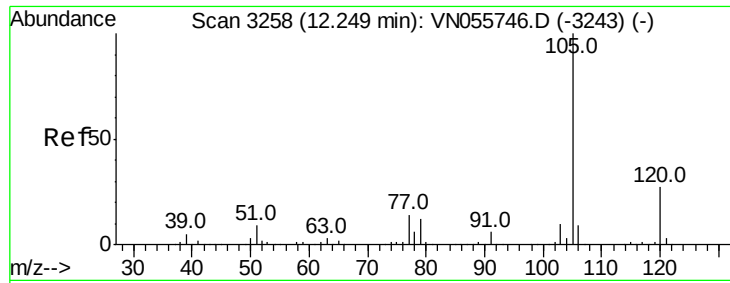


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.397 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 799455

Ion Ratio Lower Upper

105 100

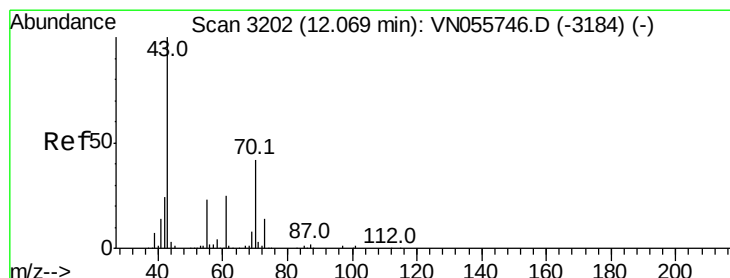
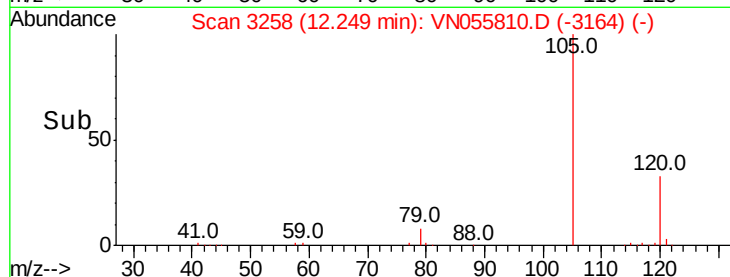
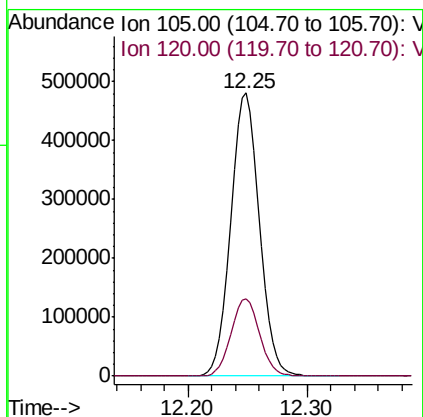
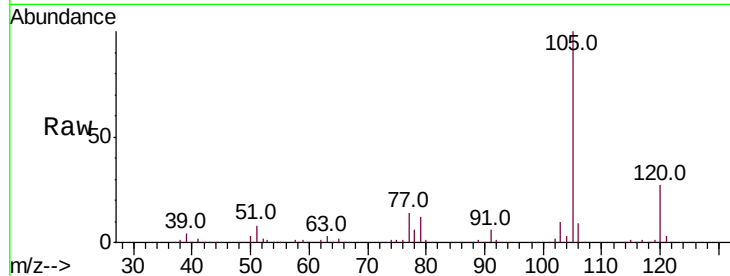
120 27.3 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.627 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion: 43 Resp: 284311

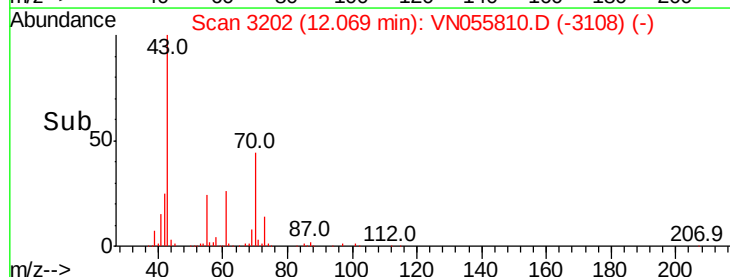
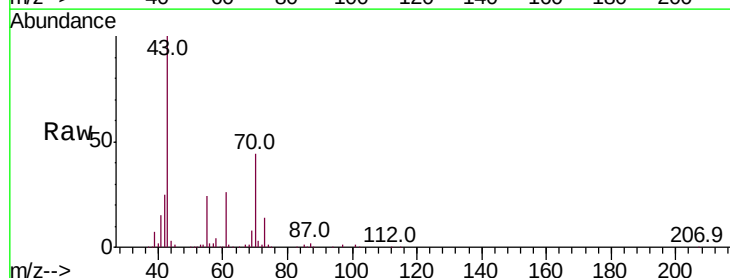
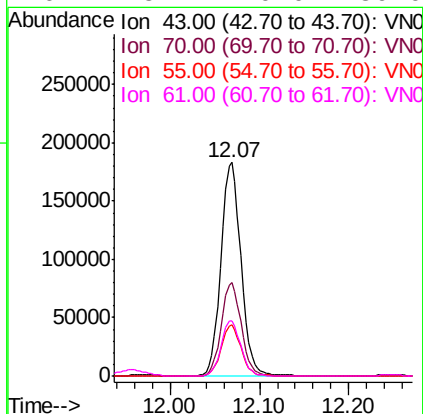
Ion Ratio Lower Upper

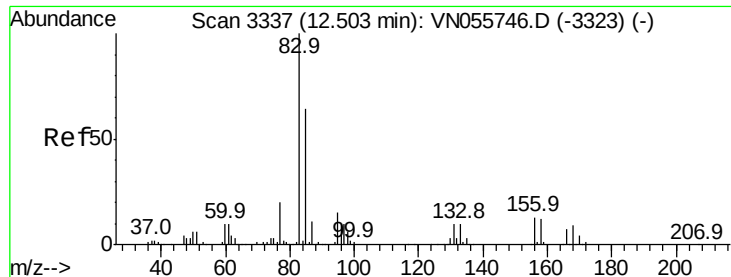
43 100

70 43.5 34.0 51.0

55 23.9 18.6 28.0

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.144 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

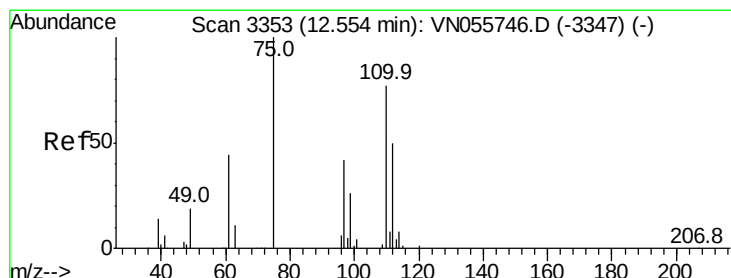
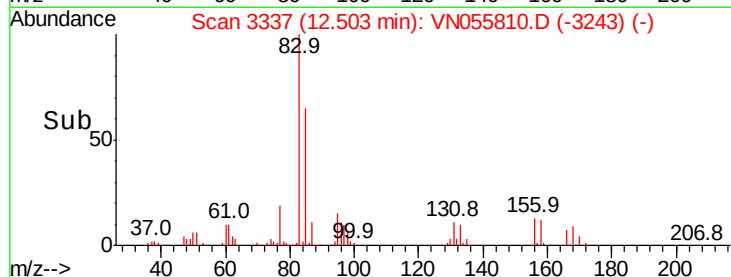
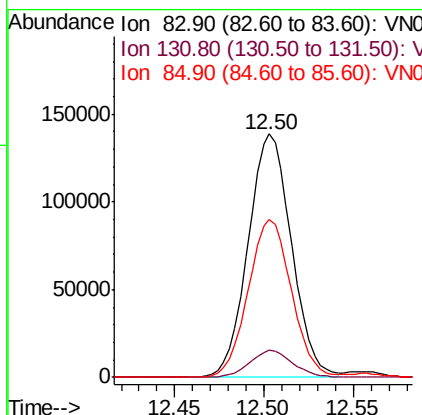
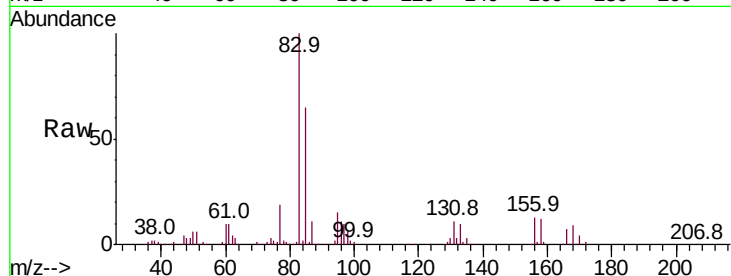
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	235494
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	64.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.551 ug/l m

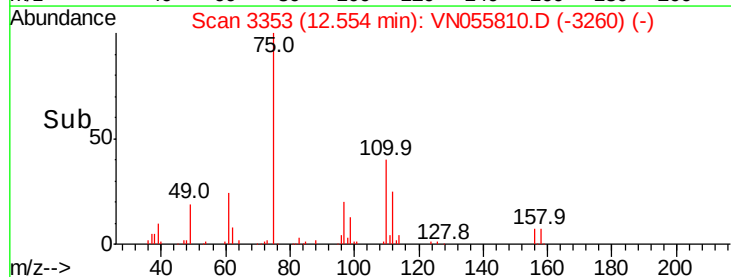
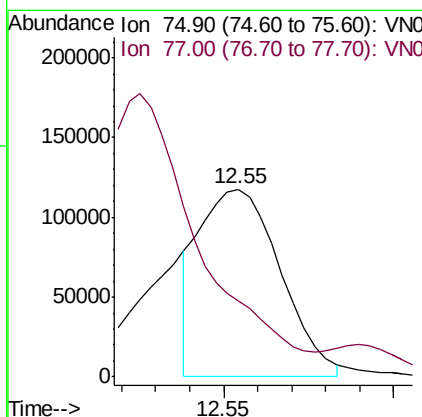
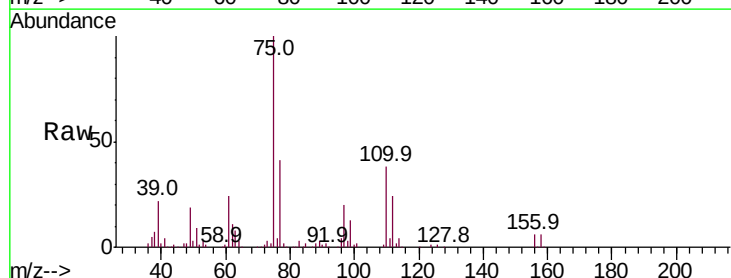
RT: 12.55 min Scan# 3353

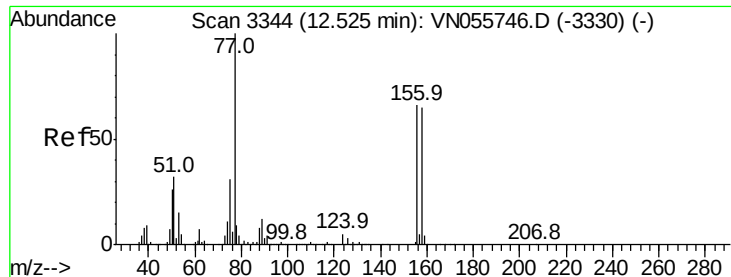
Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion:	75	Resp:	193884
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.373 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

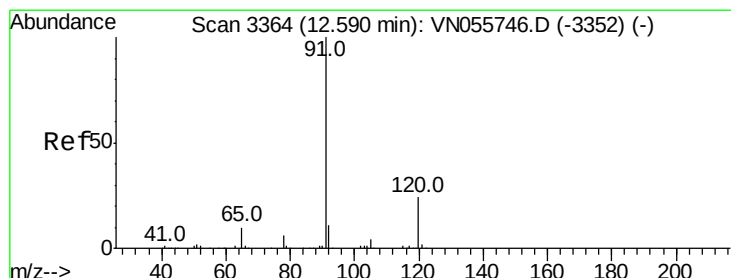
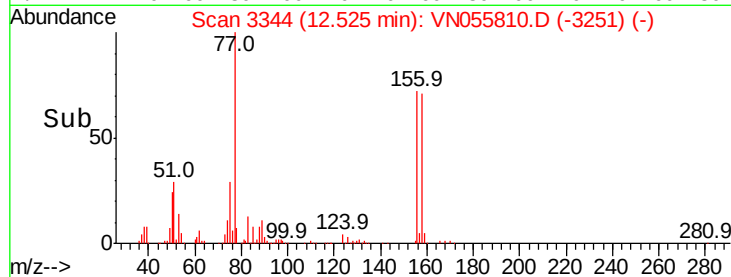
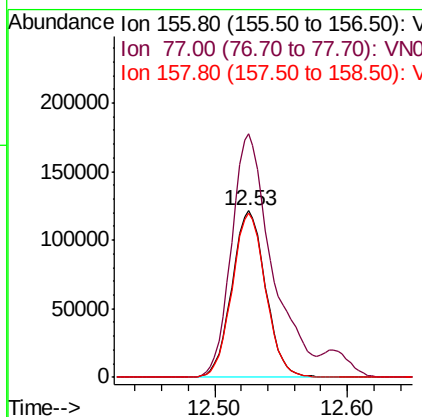
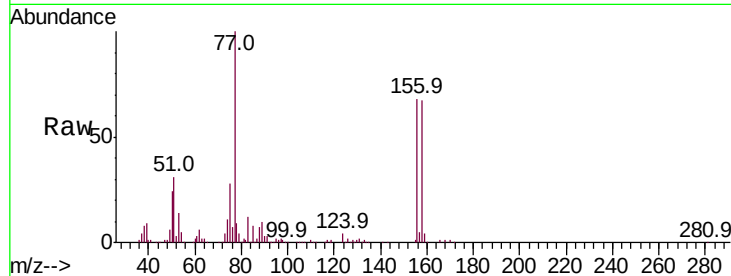
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	214187
Ion Ratio	Lower	Upper	
156	100		
77	176.2	90.8	272.5
158	97.7	49.3	147.8

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#78

n-propylbenzene

Concen: 46.882 ug/l

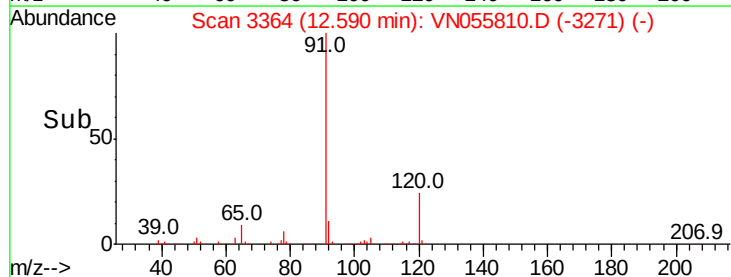
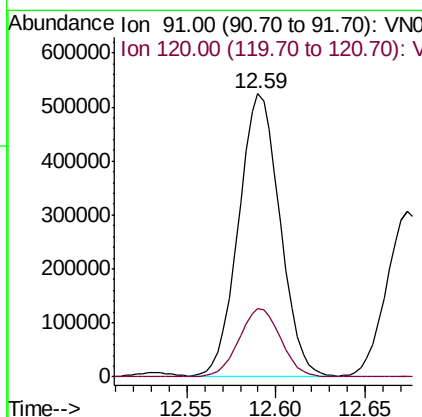
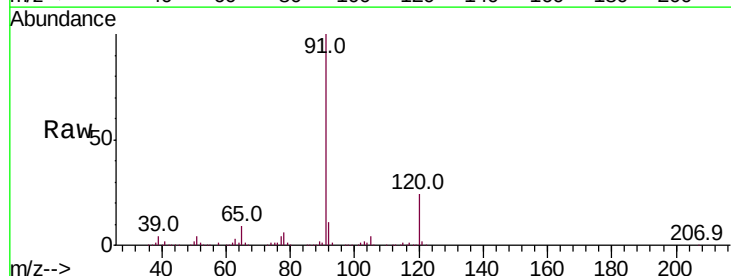
RT: 12.59 min Scan# 3364

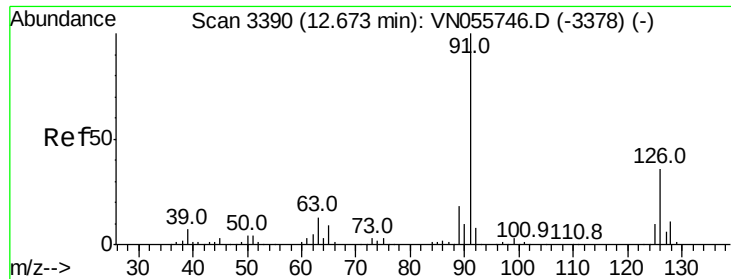
Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Tgt Ion:	91	Resp:	845496
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.041 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 513740

Ion Ratio Lower Upper

91 100

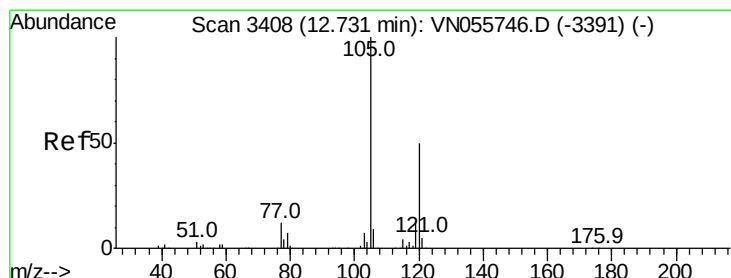
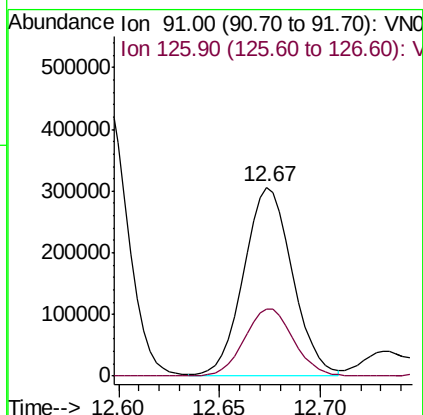
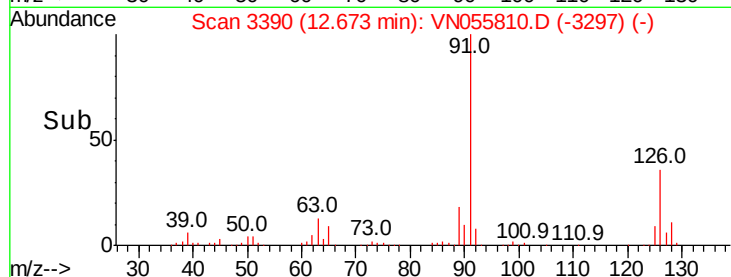
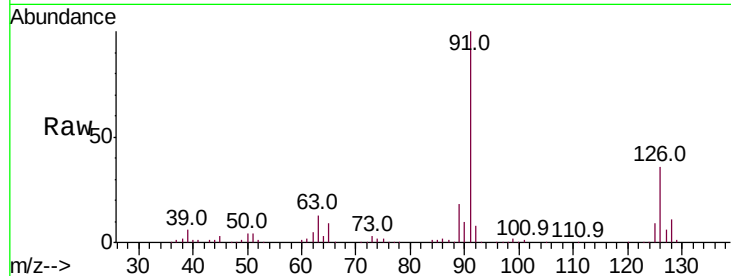
126 36.3 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 52.719 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055810.D

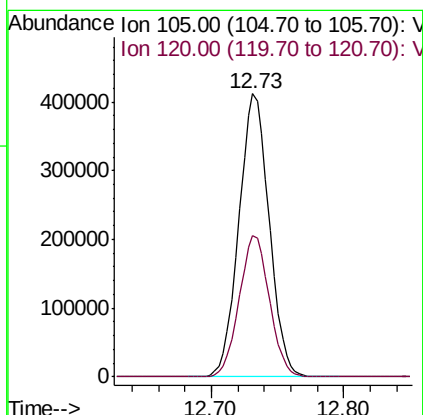
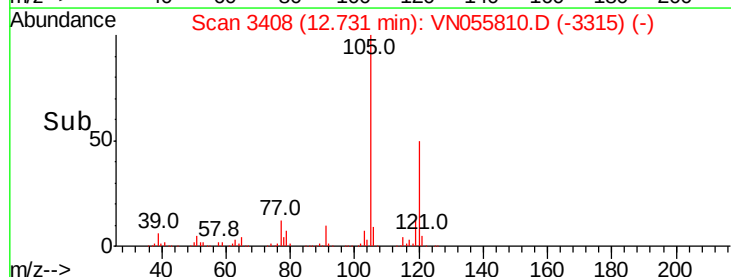
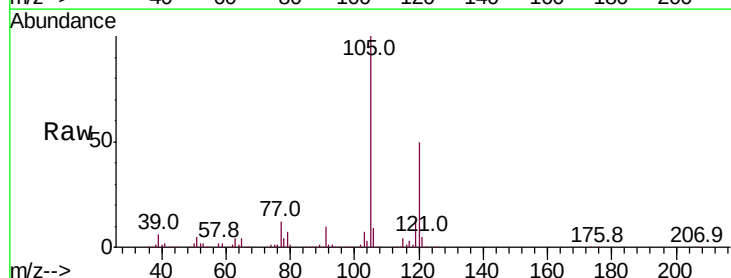
Acq: 24 May 2019 21:33

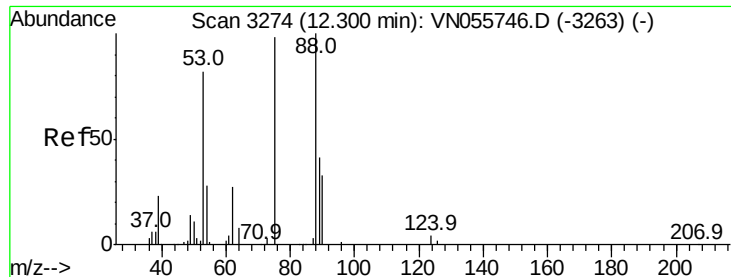
Tgt Ion: 105 Resp: 653257

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1





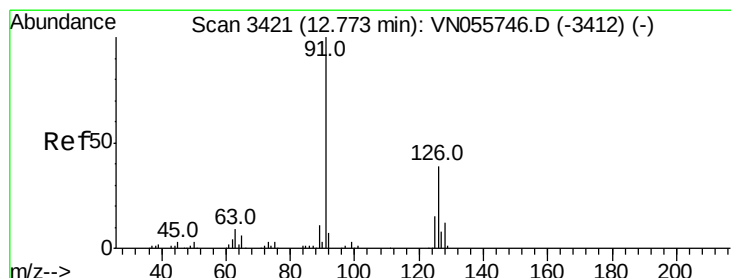
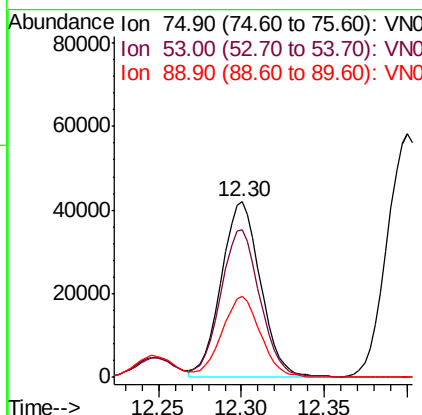
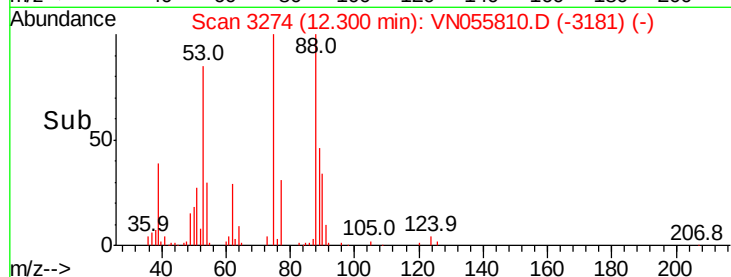
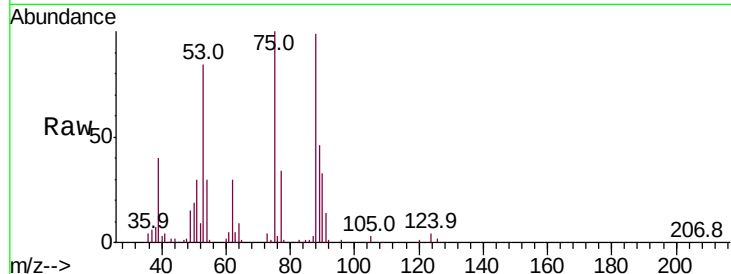
#81
trans-1,4-Dichloro-2-butene
Concen: 45.082 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.7	68.1	102.1
89	45.2	36.9	55.3

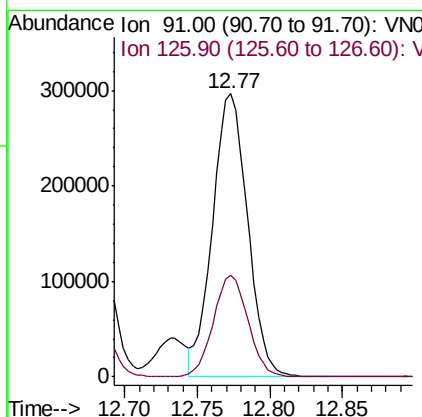
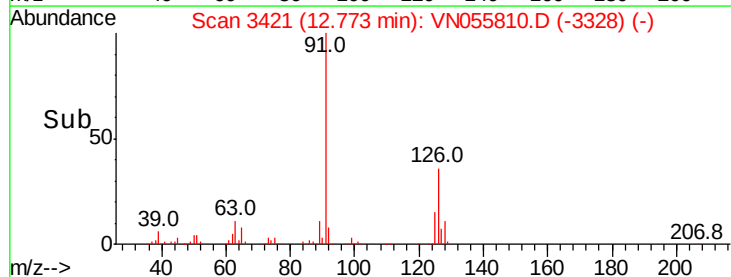
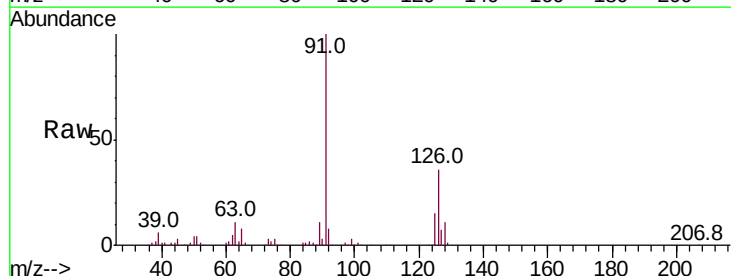
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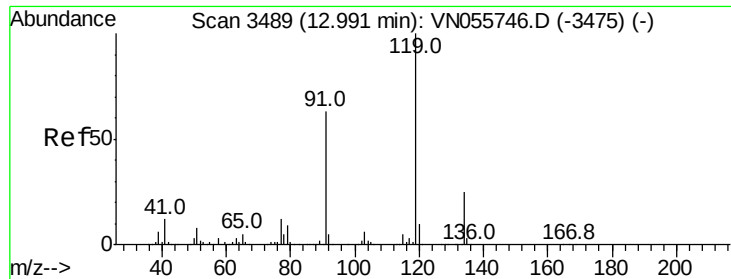
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#82
4-Chlorotoluene
Concen: 47.152 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3





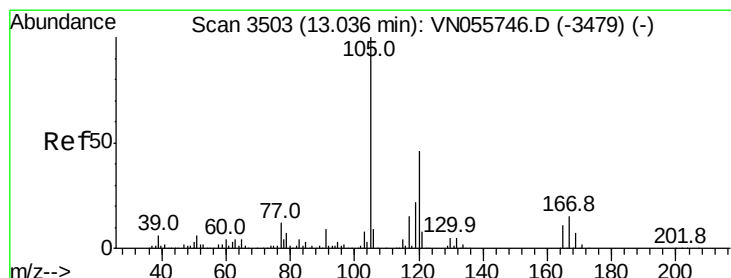
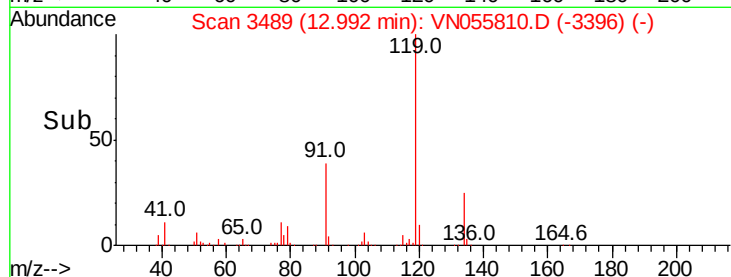
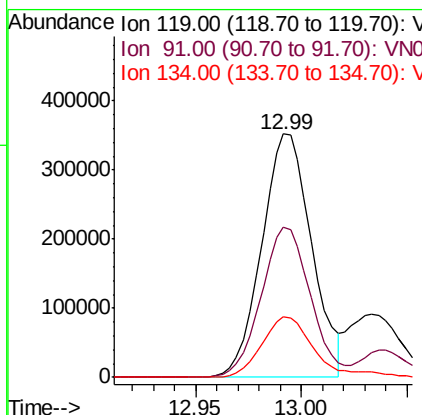
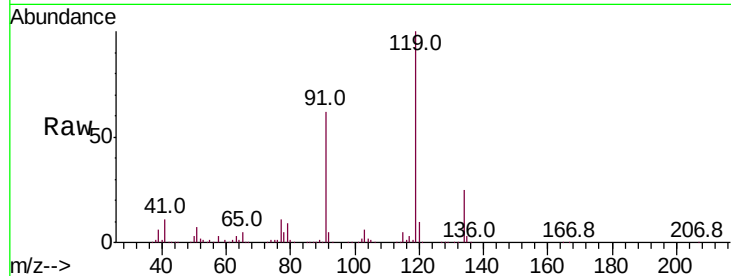
#83
 tert-Butylbenzene
 Concen: 54.233 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	579684		
91	60.7	30.9	92.8	
134	26.3	13.3	39.8	

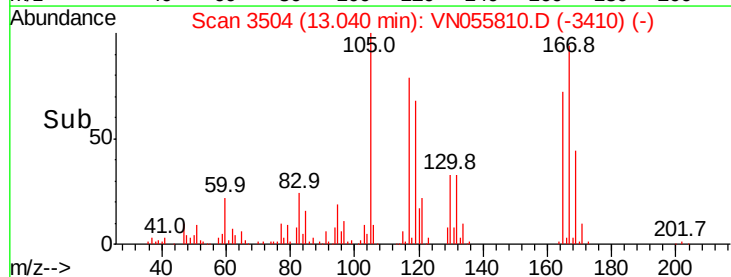
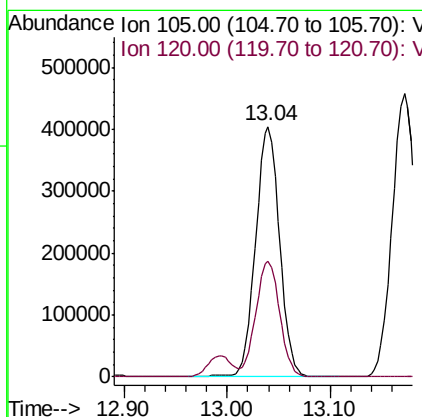
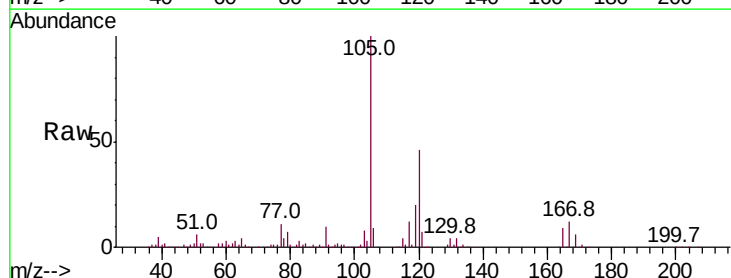
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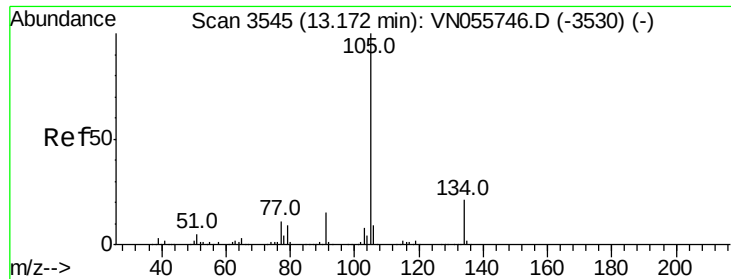
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.545 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	650274		
120	46.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 53.033 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 738787

Ion Ratio Lower Upper

105 100

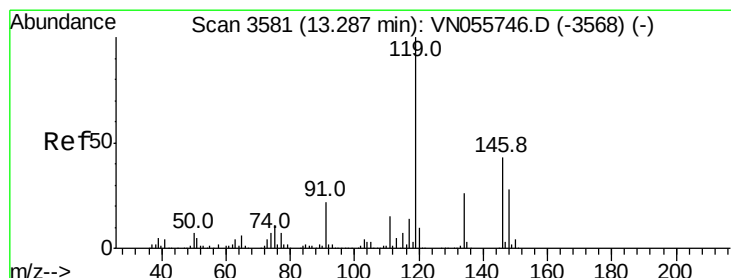
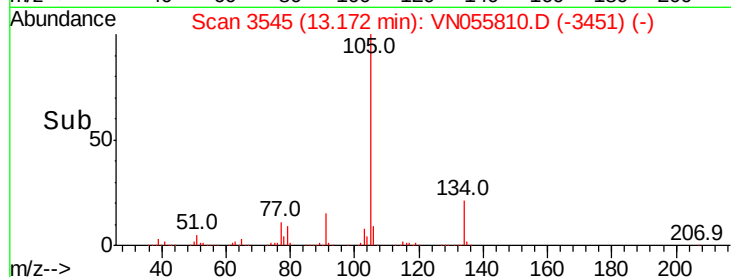
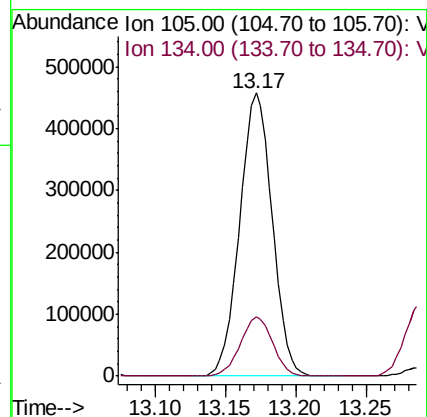
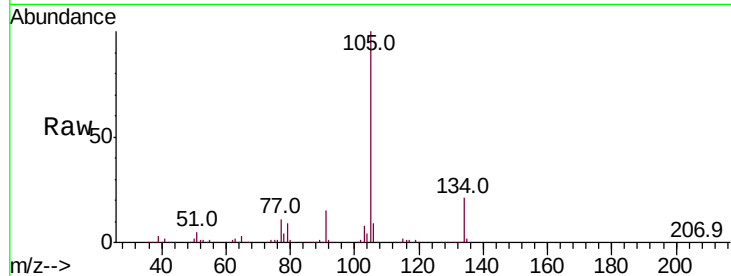
134 20.9 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 46.511 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055810.D

Acq: 24 May 2019 21:33

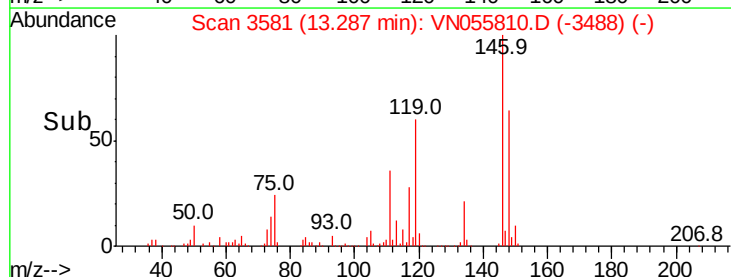
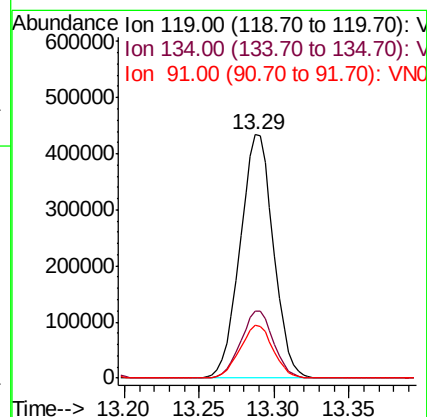
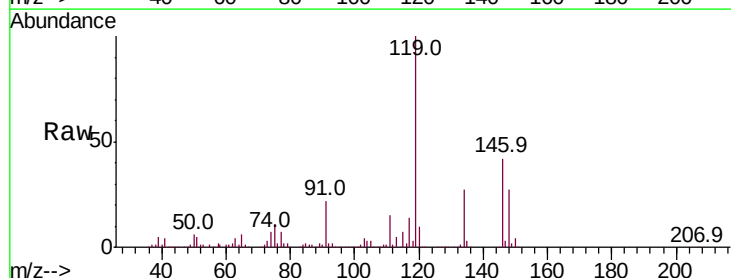
Tgt Ion:119 Resp: 670226

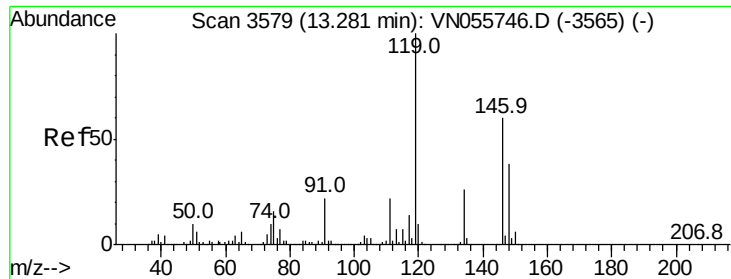
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 21.6 10.9 32.9





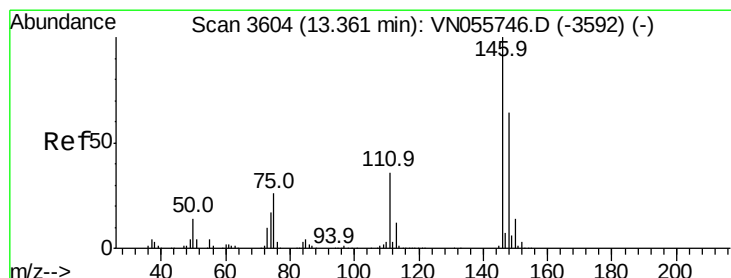
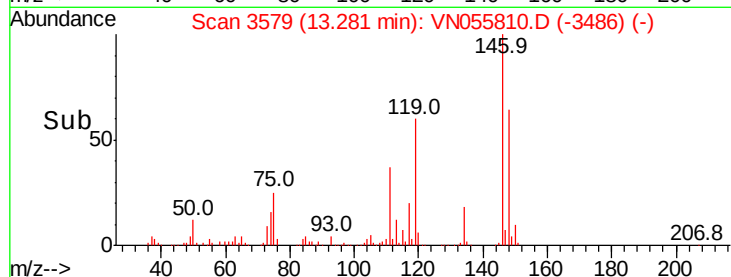
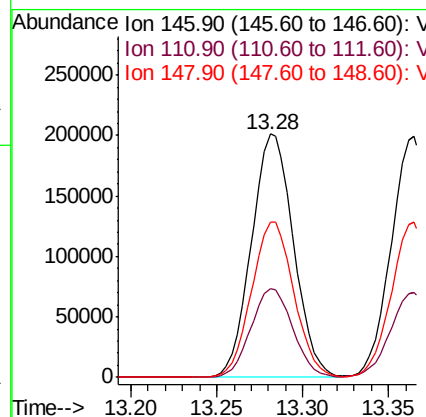
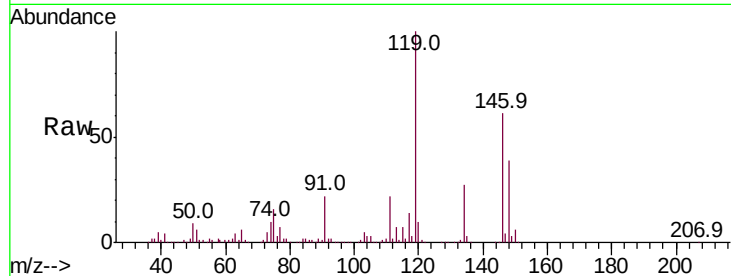
#87
 1,3-Dichlorobenzene
 Concen: 48.724 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	341611		
111	36.5	18.5	55.5	
148	64.0	32.0	96.2	

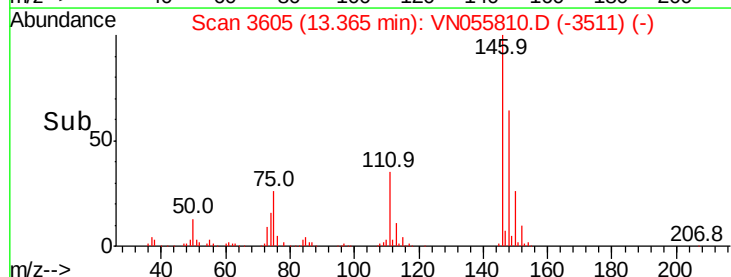
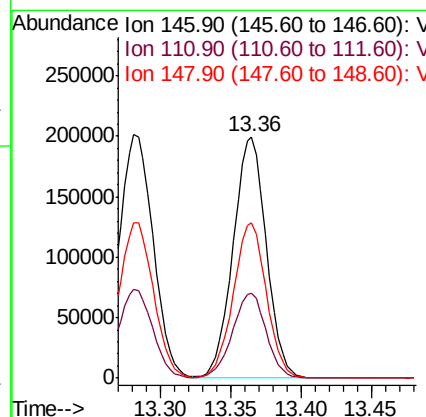
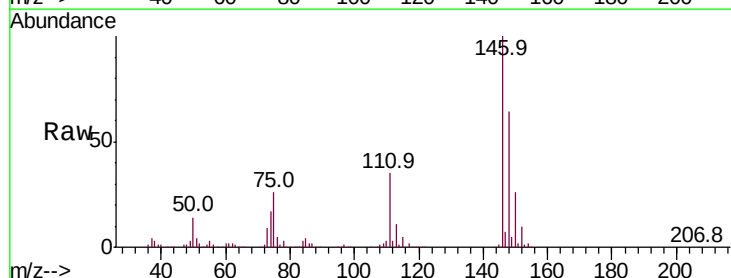
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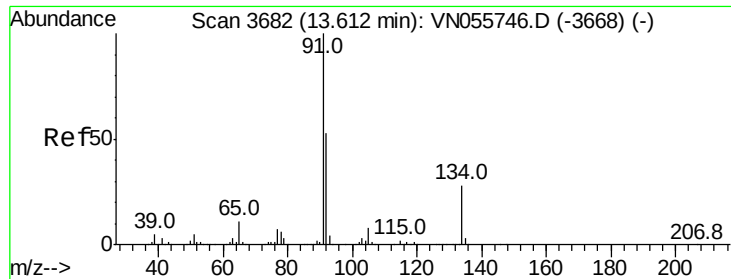
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#88
 1,4-Dichlorobenzene
 Concen: 49.296 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	328602		
111	35.7	18.1	54.4	
148	64.2	32.1	96.5	





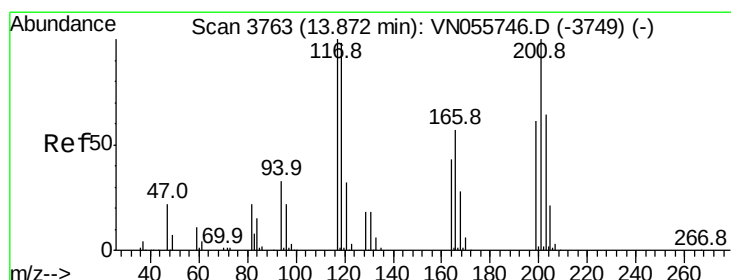
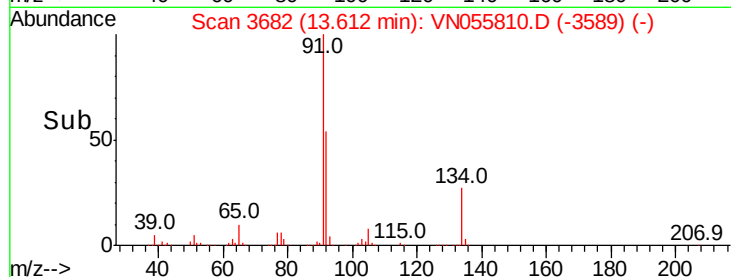
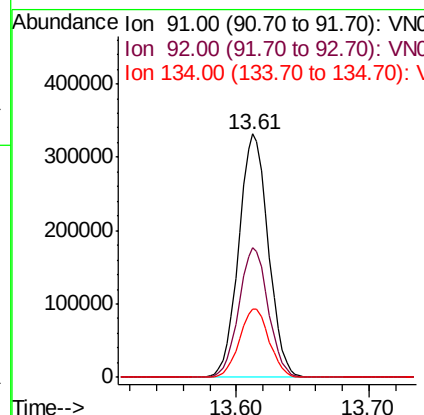
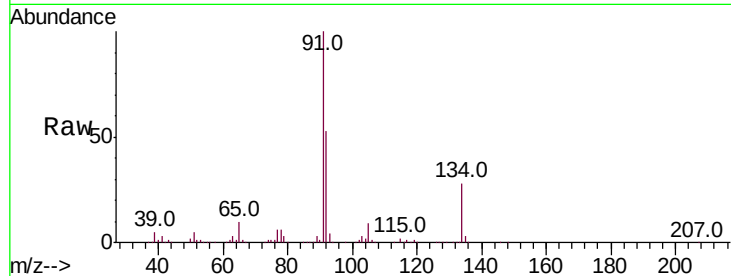
#89
n-Butylbenzene
Concen: 46.322 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.0
134	28.3	13.9	41.7

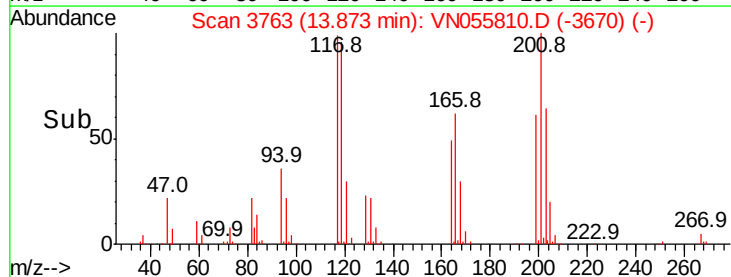
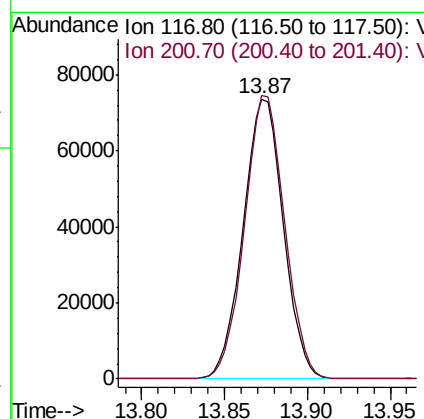
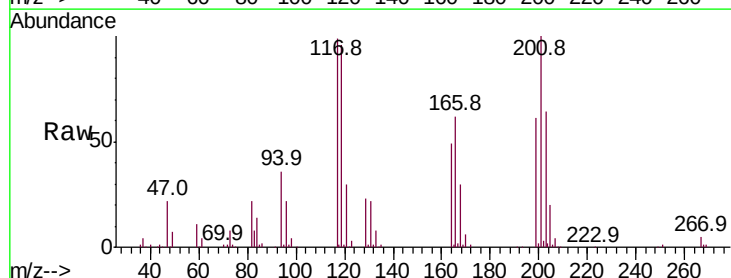
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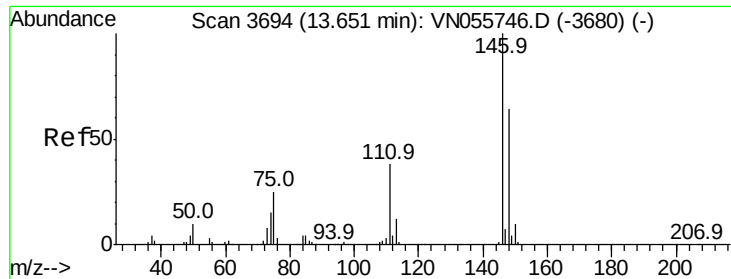
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#90
Hexachloroethane
Concen: 45.200 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.0	50.0	150.0





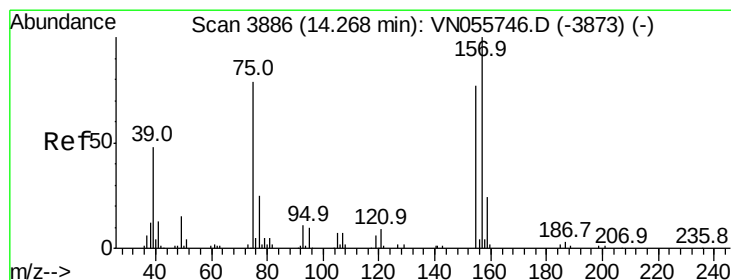
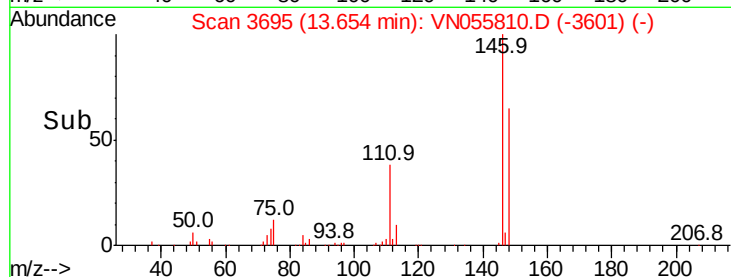
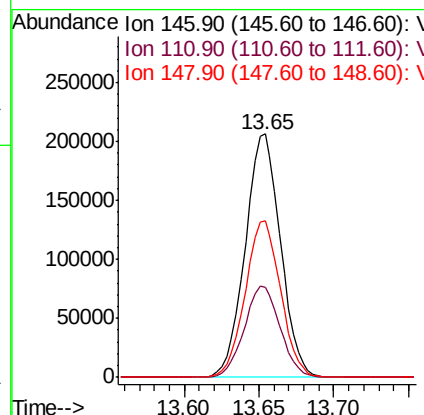
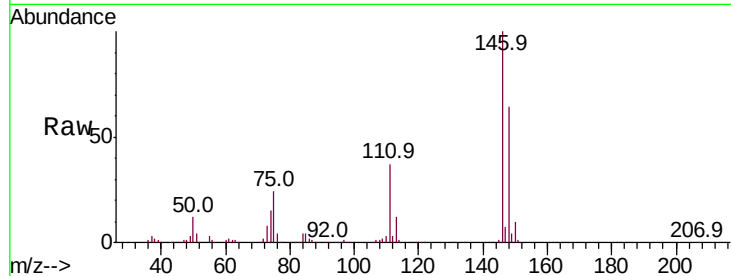
#91
 1,2-Dichlorobenzene
 Concen: 48.518 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	64.4	31.9	95.9

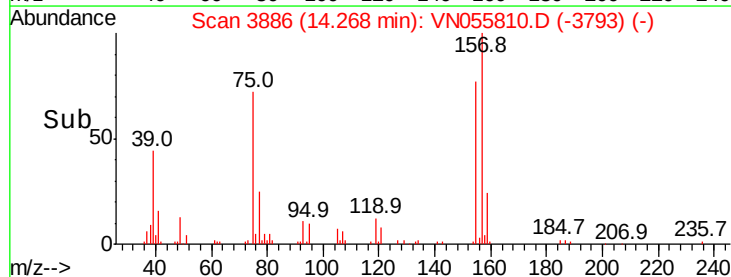
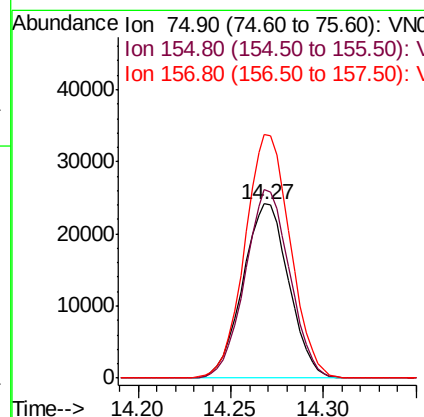
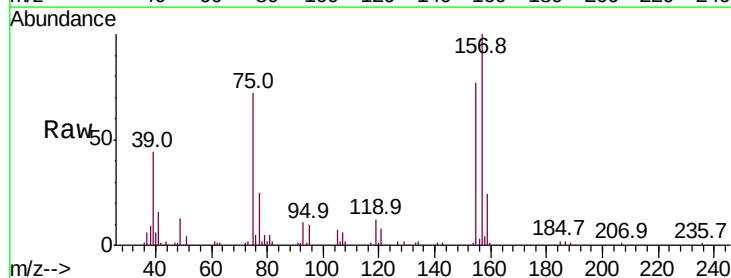
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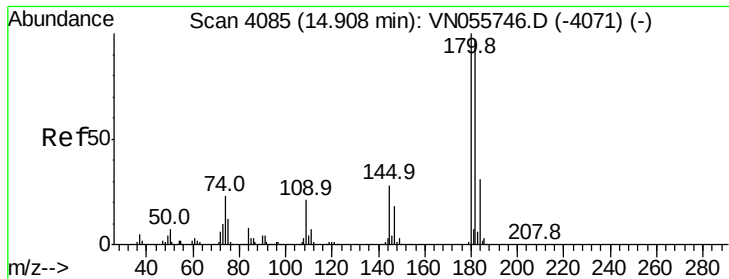
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.140 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	50.0	150.1
157	138.2	64.8	194.3





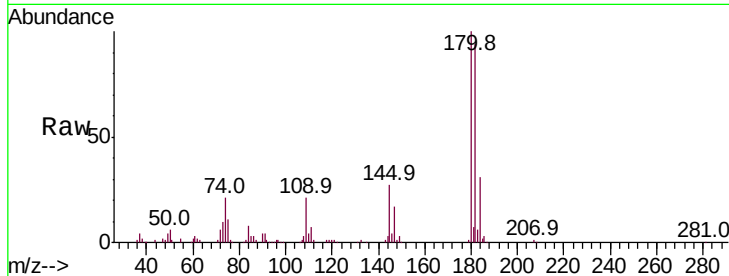
#93
 1,2,4-Trichlorobenzene
 Concen: 45.754 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

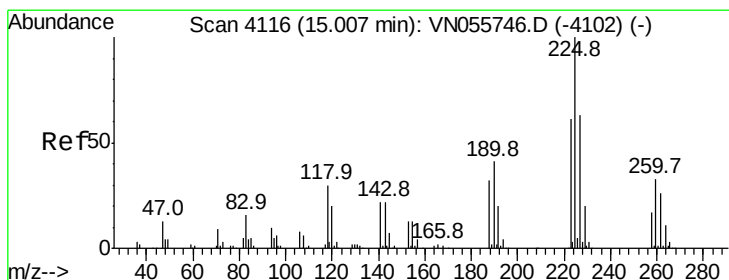
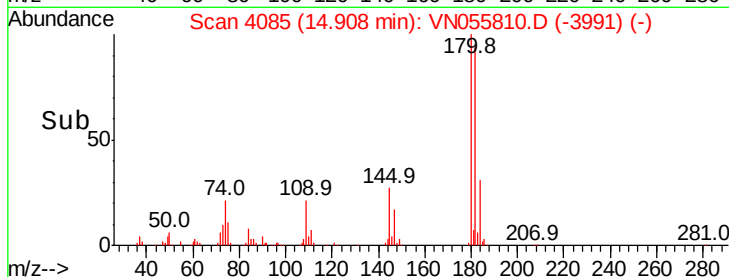
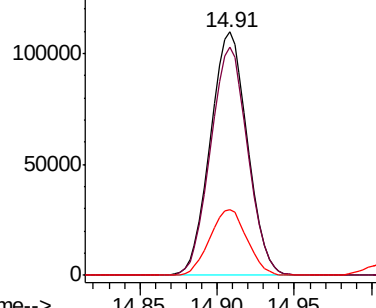
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	48.3	144.9	
145	27.2	14.0	41.9	

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MMDadoda
 5/28/2019 10:36:23 AM

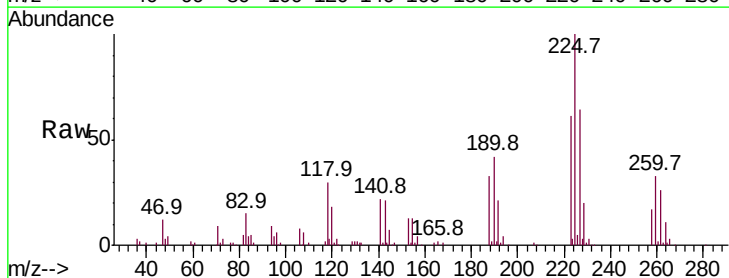


Abundance Ion 179.80 (179.50 to 180.50): V
 150000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

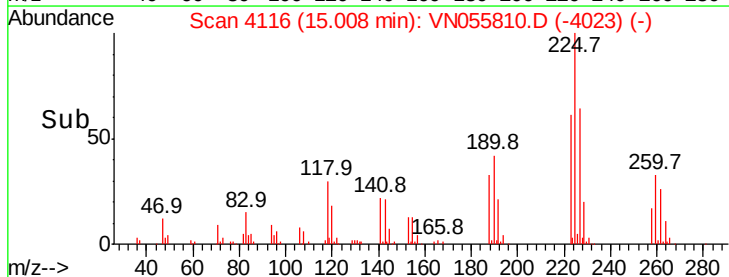
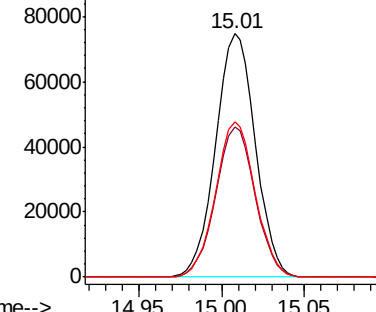


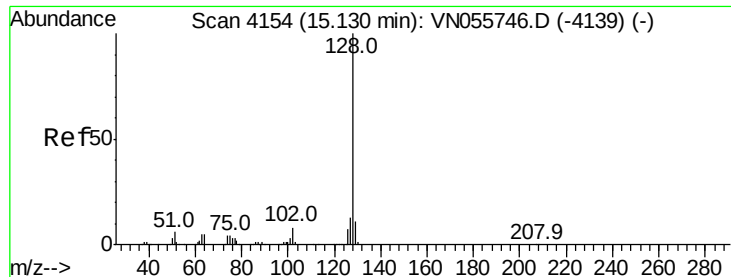
#94
 Hexachlorobutadiene
 Concen: 50.401 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055810.D
 Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	30.9	92.7	
227	63.6	31.6	94.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 100000 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





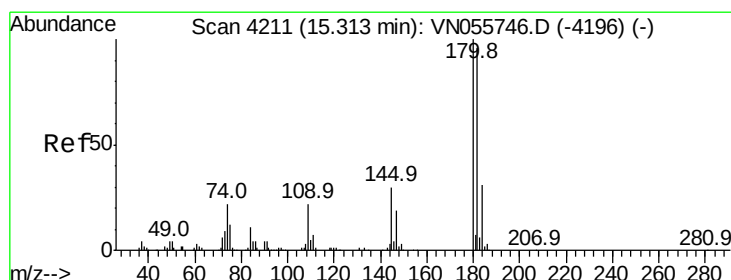
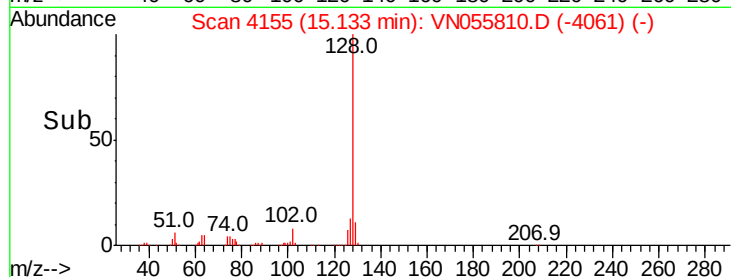
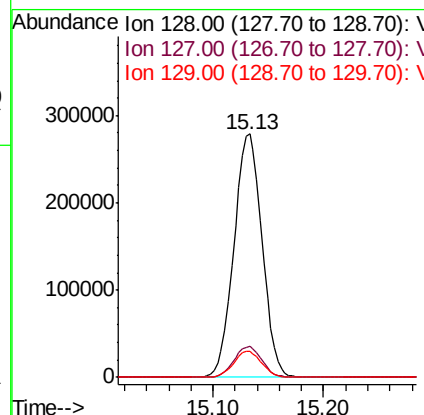
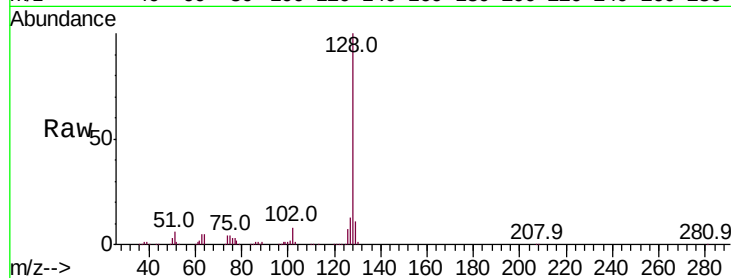
#95
Naphthalene
Concen: 51.276 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.212 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055810.D
Acq: 24 May 2019 21:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	30.0	14.9	44.7

