

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042319\
 Data File : VN055213.D
 Acq On : 23 Apr 2019 18:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:44:43 PM

Quant Time: Apr 24 04:42:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	429448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	252196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	290474	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.59	113	229030	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.09	98	847788	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	280251	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	289373	52.334	ug/l	99
3) Chloromethane	2.06	50	333180	49.175	ug/l	99
4) Vinyl Chloride	2.19	62	262591	48.367	ug/l	98
5) Bromomethane	2.55	94	136723	43.425	ug/l	100
6) Chloroethane	2.70	64	135768	47.447	ug/l	98
7) Trichlorofluoromethane	3.01	101	358867	48.573	ug/l	97
8) Diethyl Ether	3.41	74	143299	54.341	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	219758	47.667	ug/l	99
10) Methyl Iodide	3.95	142	340635	52.688	ug/l	99
11) Tert butyl alcohol	4.79	59	110720	326.268	ug/l	98
12) 1,1-Dichloroethene	3.74	96	218681	49.495	ug/l	99
13) Acrolein	3.61	56	132346	259.776	ug/l	100
14) Allyl chloride	4.32	41	442852	50.702	ug/l	99
15) Acrylonitrile	4.99	53	541837	291.137	ug/l	99
16) Acetone	3.82	43	439759	228.855	ug/l	98
17) Carbon Disulfide	4.05	76	581955	47.114	ug/l	99
18) Methyl Acetate	4.33	43	249762	60.730	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	670742	54.908	ug/l	97
20) Methylene Chloride	4.55	84	260269	47.114	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	230148	49.675	ug/l	98
22) Diisopropyl ether	5.95	45	896284	51.479	ug/l	98
23) Vinyl Acetate	5.90	43	3427693	292.971	ug/l	99
24) 1,1-Dichloroethane	5.85	63	462939	49.434	ug/l	99
25) 2-Butanone	6.84	43	691571	278.769	ug/l	99
26) 2,2-Dichloropropane	6.83	77	308827	48.732	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	264622	49.547	ug/l	99
28) Bromochloromethane	7.19	49	236241	49.488	ug/l	98
29) Tetrahydrofuran	7.21	42	456373	299.200	ug/l	99
30) Chloroform	7.37	83	434154	48.737	ug/l	97
31) Cyclohexane	7.65	56	433444	49.423	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	363275	50.761	ug/l	99
36) 1,1-Dichloropropene	7.79	75	330557	52.173	ug/l	100
37) Ethyl Acetate	6.93	43	302544	59.169	ug/l	99
38) Carbon Tetrachloride	7.77	117	306813	51.712	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	364781	48.261	ug/l	98
40) Benzene	8.04	78	1004063	51.337	ug/l	100
41) Methacrylonitrile	7.17	41	130146	48.549	ug/l #	81
42) 1,2-Dichloroethane	8.13	62	349357	51.201	ug/l	100
43) Isopropyl Acetate	8.17	43	515049	62.204	ug/l	99
44) Trichloroethene	8.83	130	247713	50.111	ug/l	100
45) 1,2-Dichloropropane	9.12	63	277874	50.332	ug/l	95
46) Dibromomethane	9.21	93	160884	50.906	ug/l	99
47) Bromodichloromethane	9.40	83	328335	51.896	ug/l	98
48) Methyl methacrylate	9.20	41	239113	59.534	ug/l	97
49) 1,4-Dioxane	9.20	88	55568	1198.037	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1445383	303.363	ug/l	100
52) Toluene	10.16	92	588123	51.294	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	331498	57.094	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395047	54.828	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	223116	52.783	ug/l	99
56) Ethyl methacrylate	10.43	69	325471	61.808	ug/l	99
57) 1,3-Dichloropropane	10.71	76	396083	53.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	505831	249.327	ug/l	100
59) 2-Hexanone	10.75	43	917145	304.749	ug/l	99
60) Dibromochloromethane	10.90	129	235984	54.200	ug/l	98
61) 1,2-Dibromoethane	11.00	107	221761	55.799	ug/l	100
64) Tetrachloroethene	10.63	164	240595	49.092	ug/l	99
65) Chlorobenzene	11.43	112	592186	48.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	227991	50.166	ug/l	99
67) Ethyl Benzene	11.51	91	1095411	50.150	ug/l	99
68) m/p-Xylenes	11.62	106	799149	102.009	ug/l	99
69) o-Xylene	11.95	106	394065	50.686	ug/l	100
70) Styrene	11.96	104	652416	54.137	ug/l	99
71) Bromoform	12.13	173	152131	56.095	ug/l #	99
73) Isopropylbenzene	12.25	105	1047661	51.780	ug/l	100
74) N-amyl acetate	12.07	43	386488	59.440	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	289653	56.814	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	216155m	42.248	ug/l	
77) Bromobenzene	12.53	156	257600	46.268	ug/l	99
78) n-propylbenzene	12.59	91	1161372	45.919	ug/l	100
79) 2-Chlorotoluene	12.67	91	718135	44.966	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	869217	46.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71991	53.340	ug/l	97
82) 4-Chlorotoluene	12.77	91	687924	46.817	ug/l	100
83) tert-Butylbenzene	12.99	119	731215	51.616	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	853061	47.881	ug/l	98
85) sec-Butylbenzene	13.17	105	950481	44.501	ug/l	99
86) p-Isopropyltoluene	13.29	119	831033	47.227	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	419178	49.045	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	402035	48.315	ug/l	99
89) n-Butylbenzene	13.61	91	672215	51.539	ug/l	99
90) Hexachloroethane	13.87	117	136221	43.650	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	409707	46.671	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41569	54.281	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	179855	48.577	ug/l	100
94) Hexachlorobutadiene	15.01	225	138089	54.234	ug/l	97
95) Naphthalene	15.13	128	404959	49.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	180898	49.151	ug/l	98

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

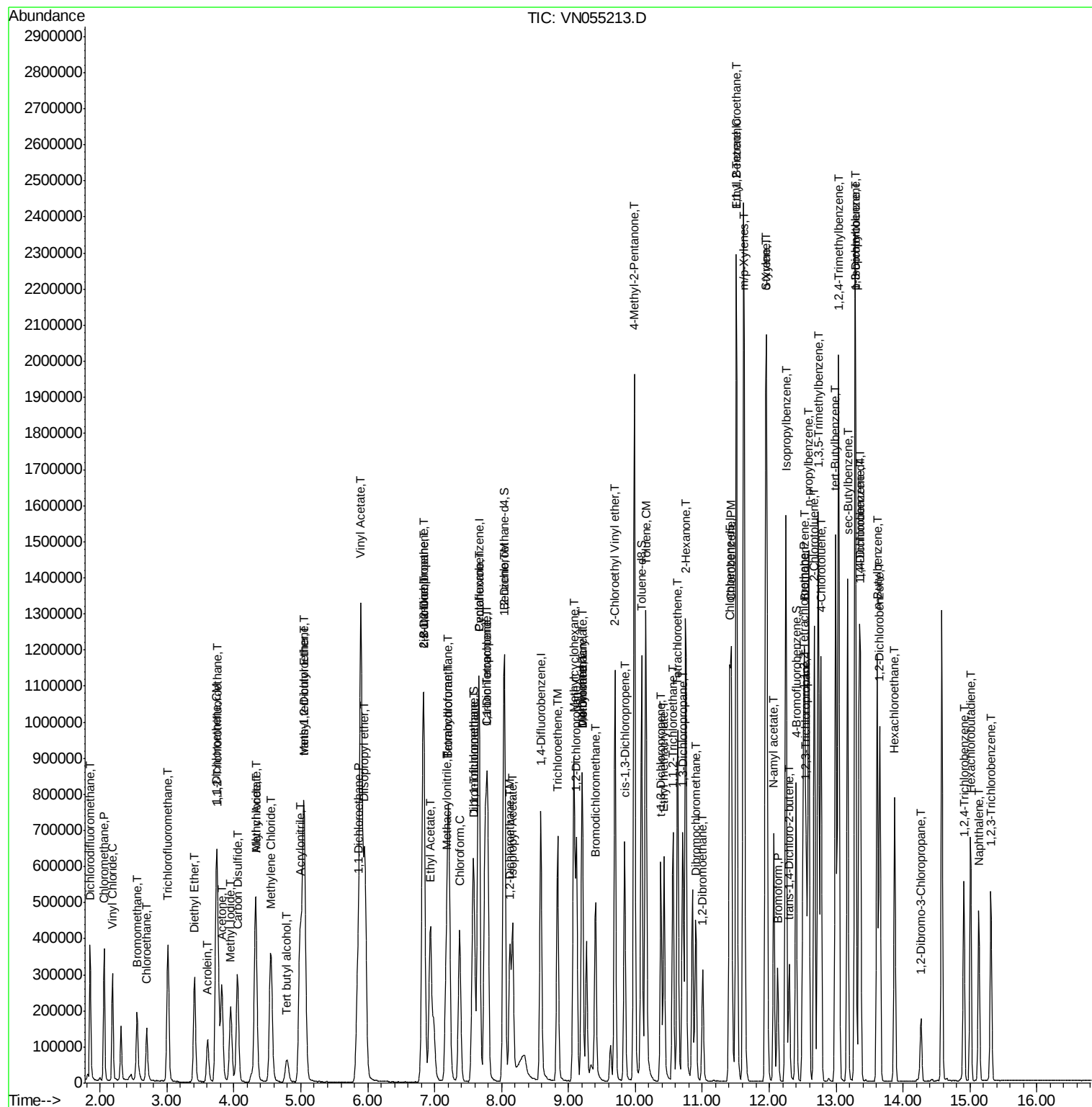
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Data File : VN055213.D
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Operator : JC/SP
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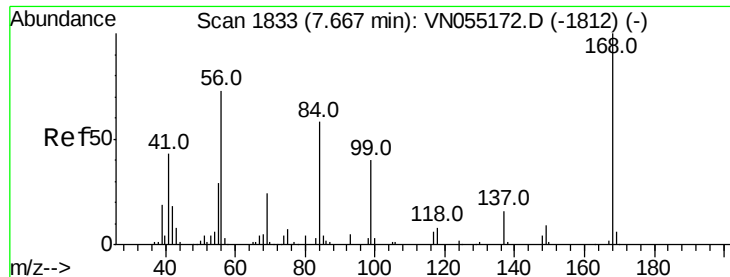
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 429448

Ion Ratio Lower Upper

168 100

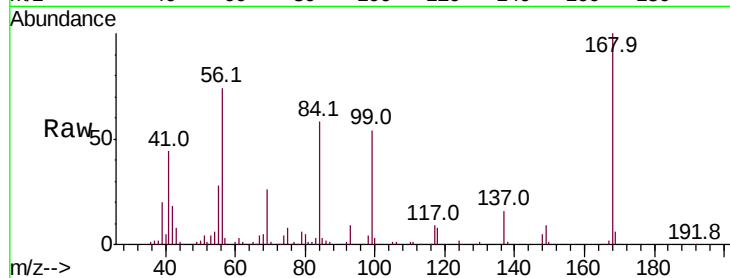
99 54.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

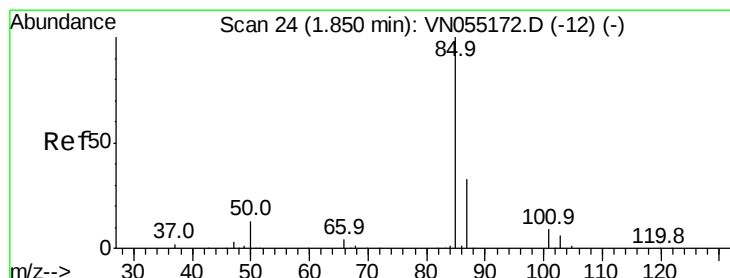
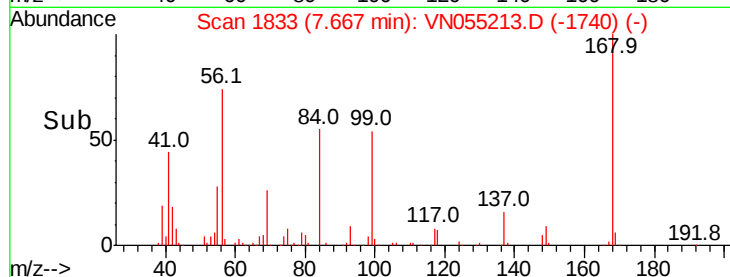
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50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 52.334 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055213.D

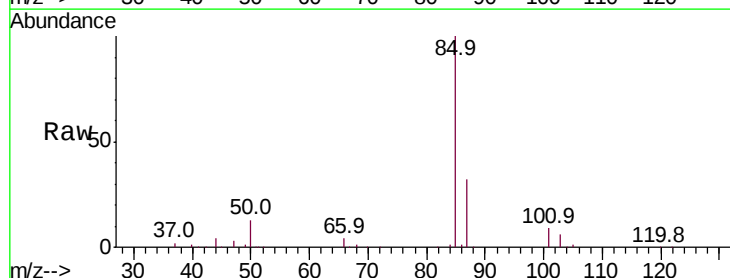
Acq: 23 Apr 2019 18:11

Tgt Ion: 85 Resp: 289373

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

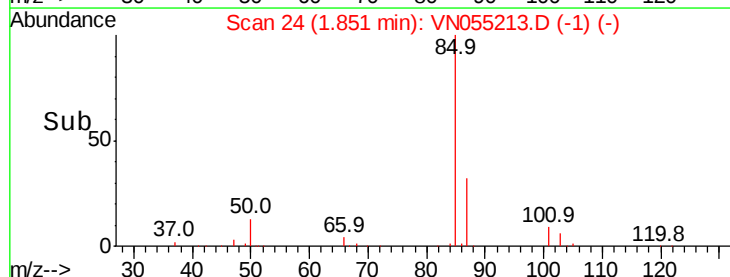
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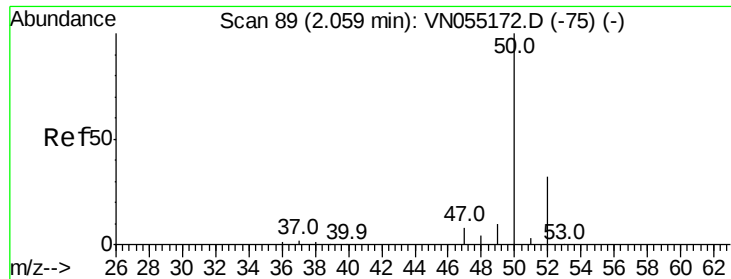
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1.80 1.85 1.90

Time-->





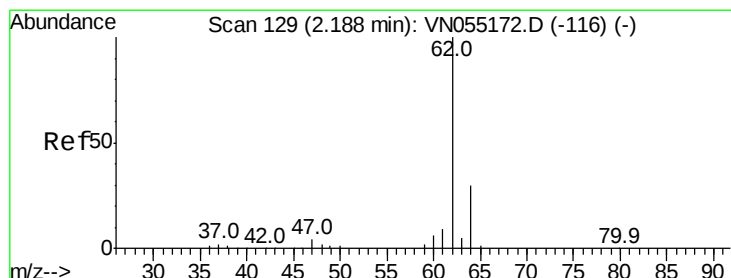
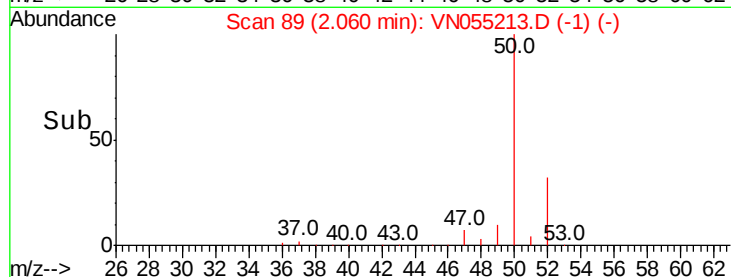
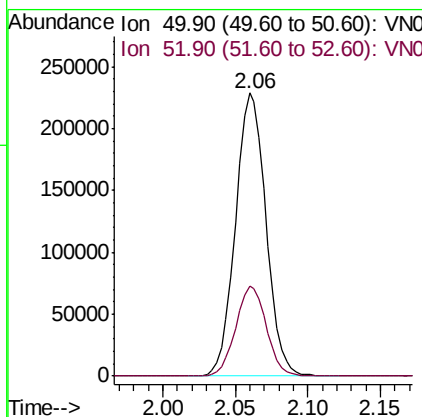
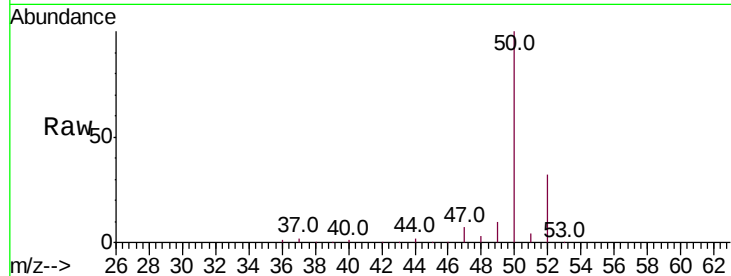
#3
Chloromethane
Concen: 49.175 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 50 Resp: 333180
Ion Ratio Lower Upper
50 100
52 31.8 25.8 38.6

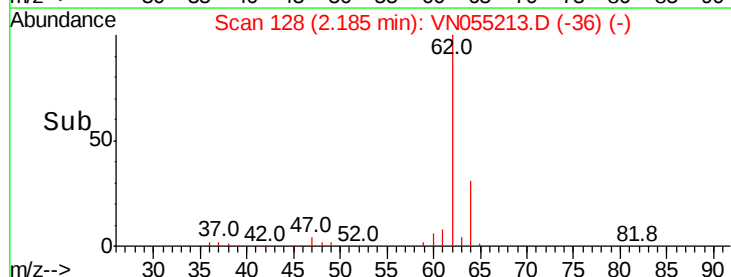
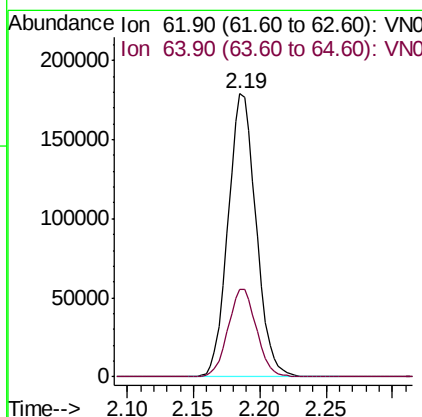
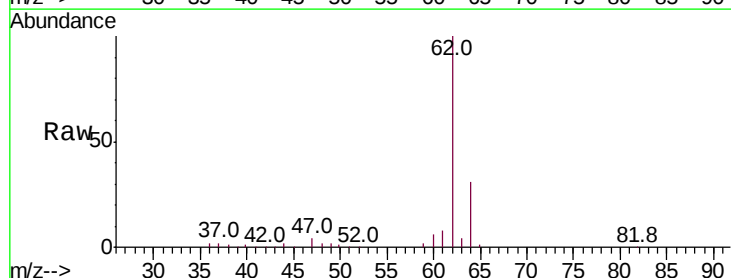
Manual Integrations
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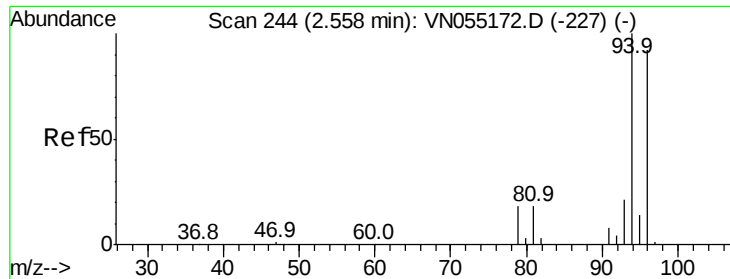
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#4
Vinyl Chloride
Concen: 48.367 ug/l
RT: 2.19 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion: 62 Resp: 262591
Ion Ratio Lower Upper
62 100
64 31.1 24.2 36.4





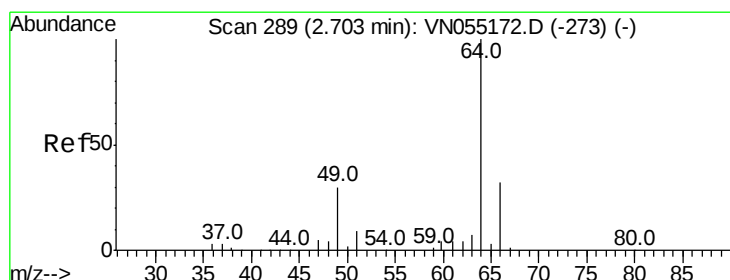
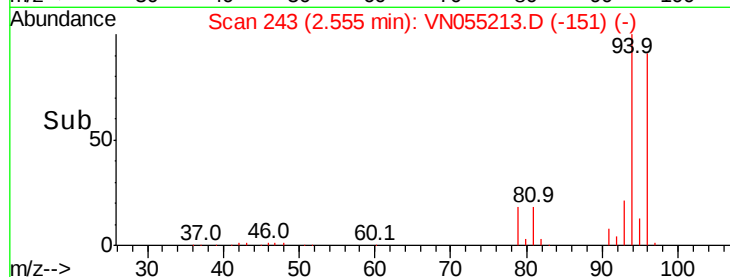
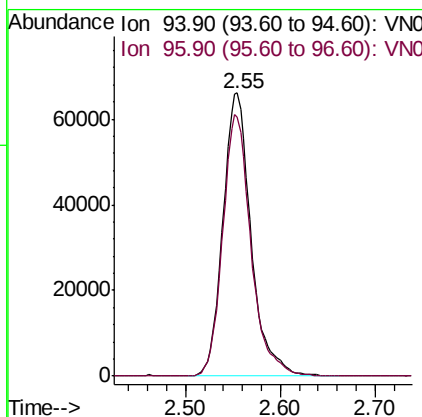
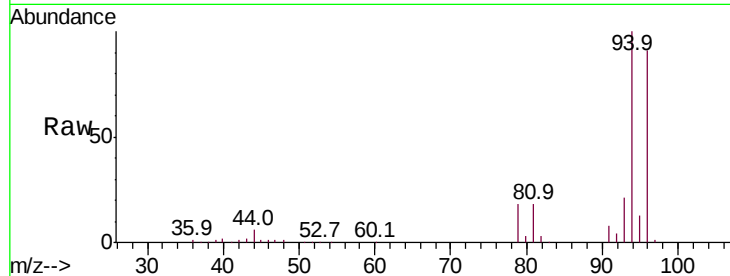
#5
Bromomethane
Concen: 43.425 ug/l
RT: 2.55 min Scan# 243
Delta R.T. -0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 136723
Ion Ratio Lower Upper
94 100
96 91.3 73.4 110.2

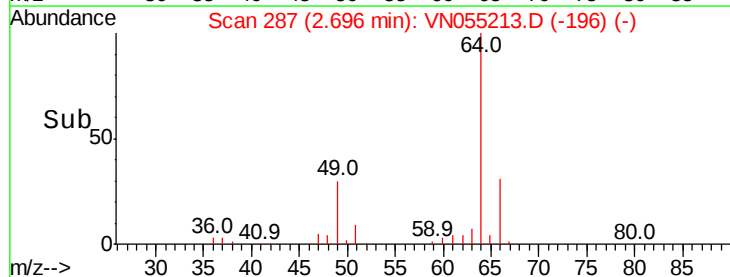
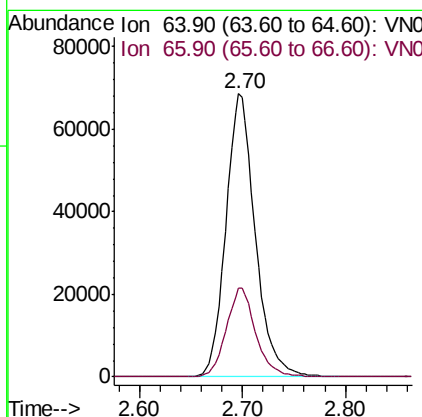
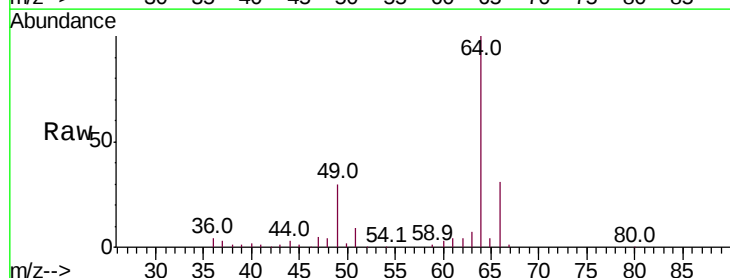
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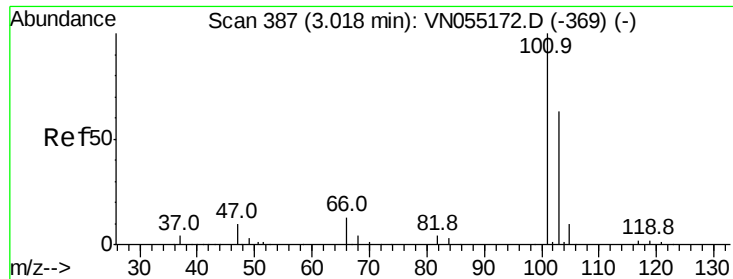
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#6
Chloroethane
Concen: 47.447 ug/l
RT: 2.70 min Scan# 287
Delta R.T. -0.01 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion: 64 Resp: 135768
Ion Ratio Lower Upper
64 100
66 31.2 25.9 38.9





#7

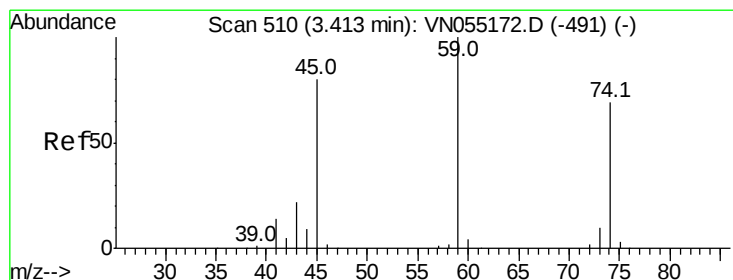
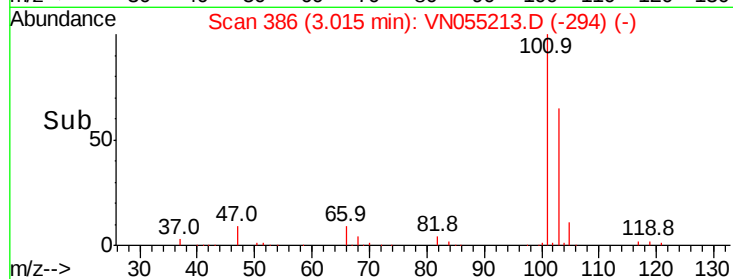
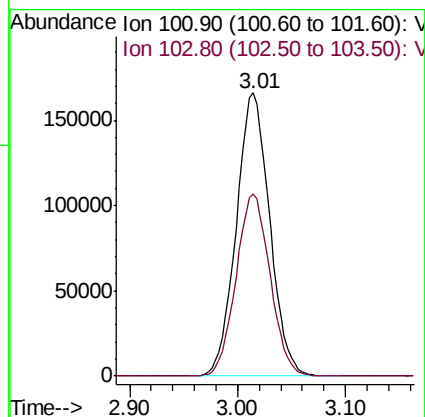
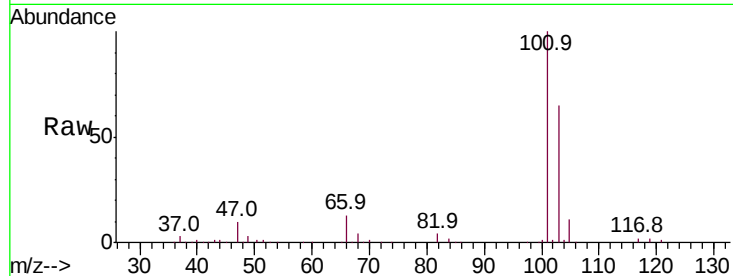
Trichlorofluoromethane
 Concen: 48.573 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 358867
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.1 75.1

Manual Integrations
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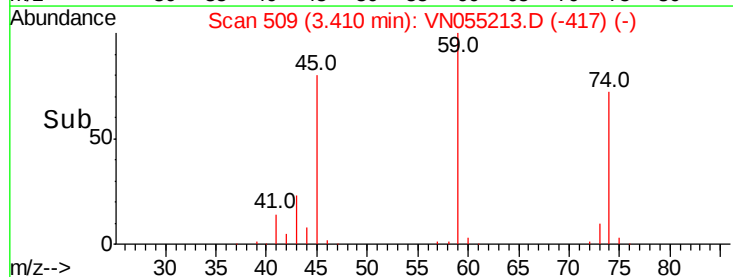
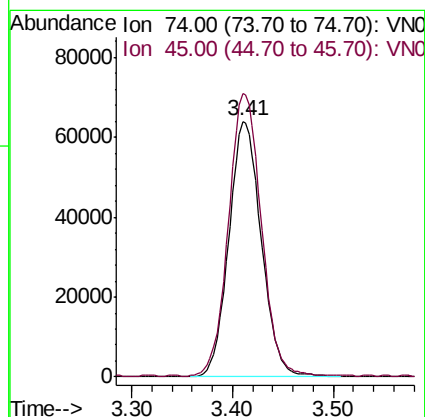
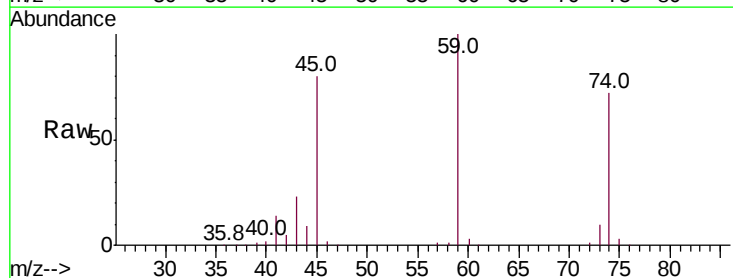
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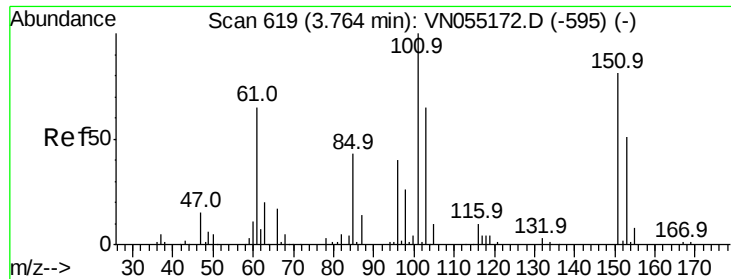


#8

Diethyl Ether
 Concen: 54.341 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion: 74 Resp: 143299
 Ion Ratio Lower Upper
 74 100
 45 111.5 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.667 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

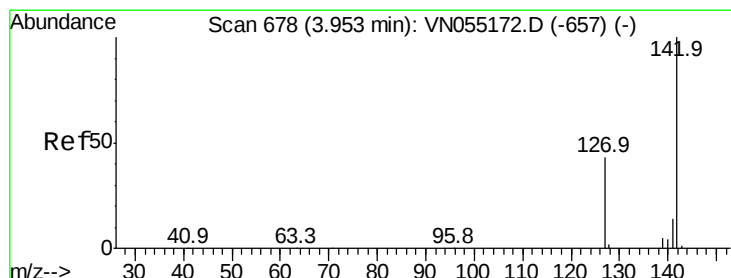
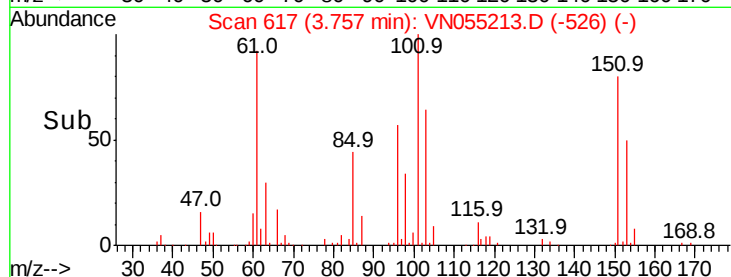
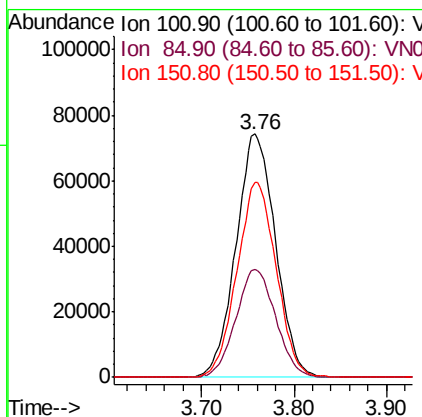
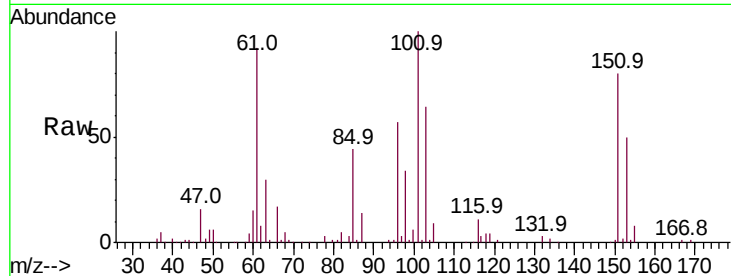
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	219758
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.9	52.3
151	79.5	63.8	95.8

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#10

Methyl Iodide

Concen: 52.688 ug/l

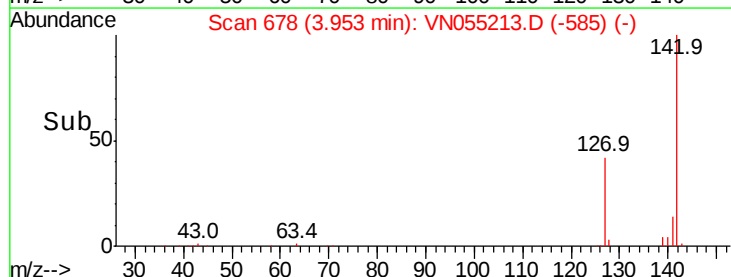
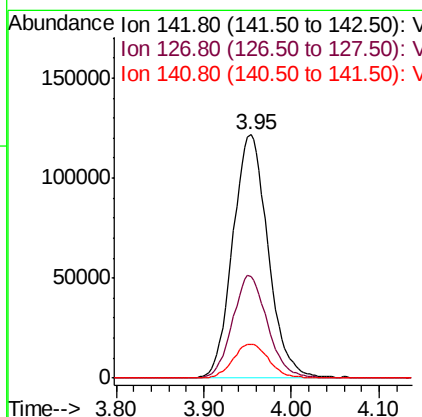
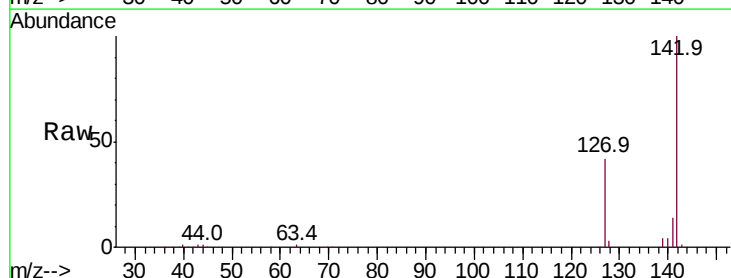
RT: 3.95 min Scan# 678

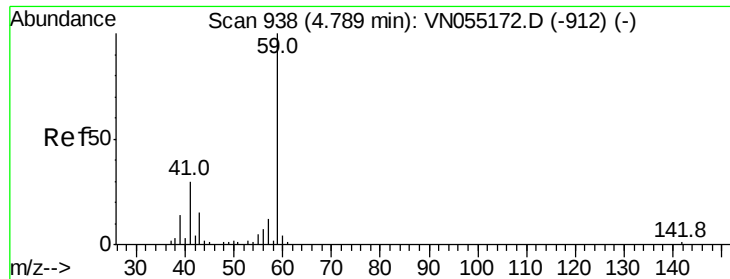
Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion:	142	Resp:	340635
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.1	51.1
141	14.2	11.4	17.2





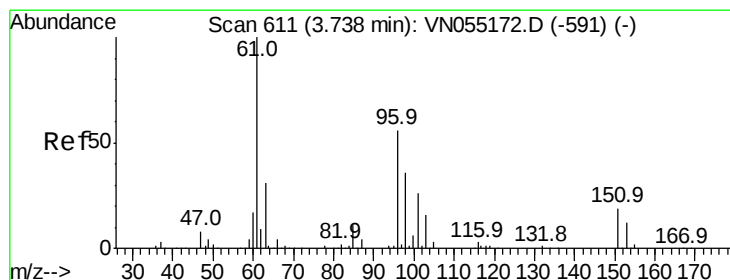
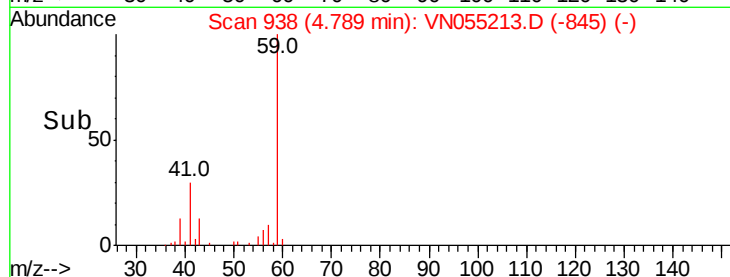
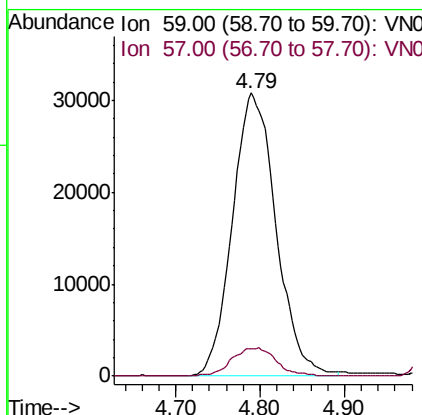
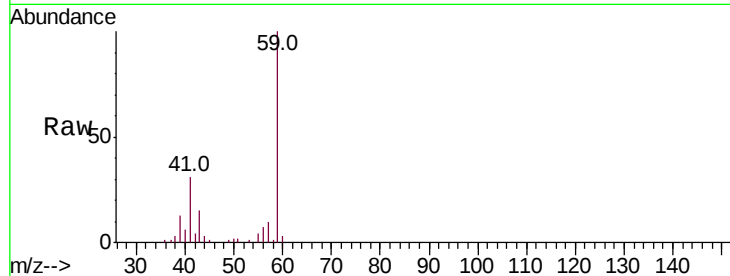
#11
Tert butyl alcohol
Concen: 326.268 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.8	13.2

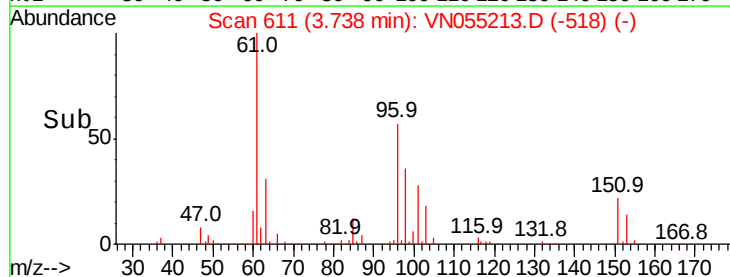
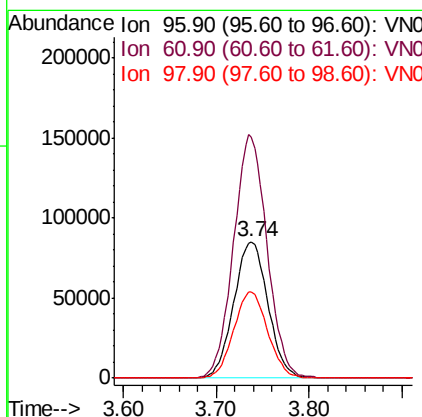
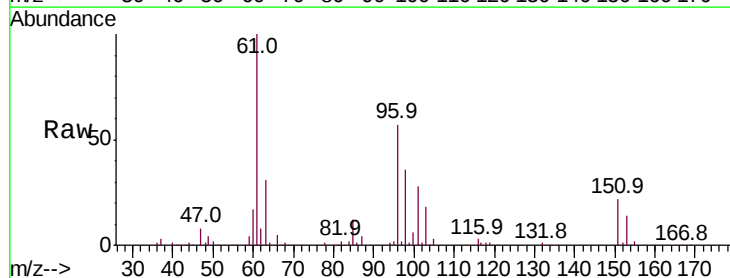
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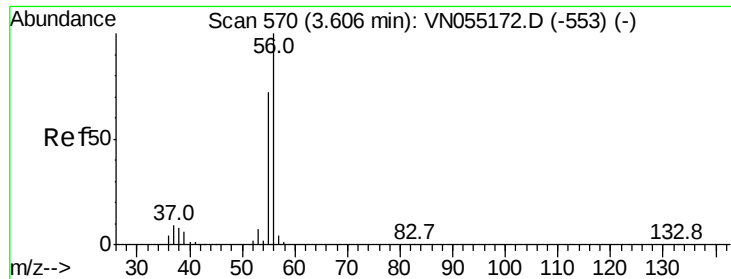
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.495 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.8	142.1	213.1
98	63.2	51.2	76.8





#13

Acrolein

Concen: 259.776 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 132346

Ion Ratio Lower Upper

56 100

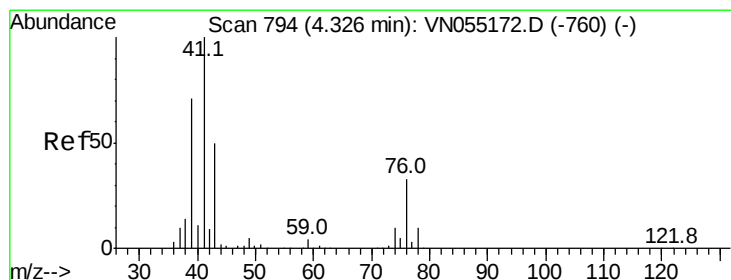
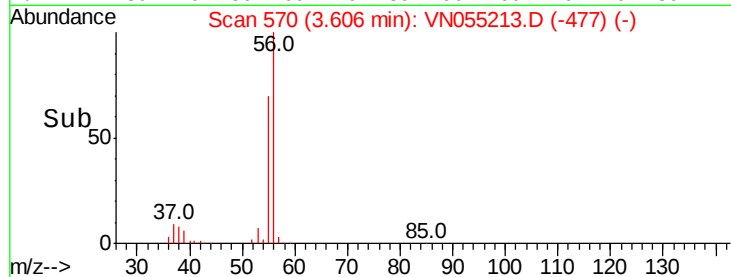
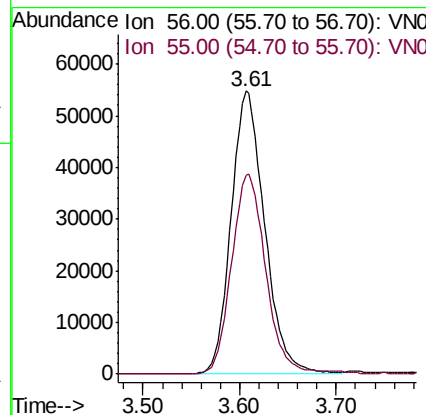
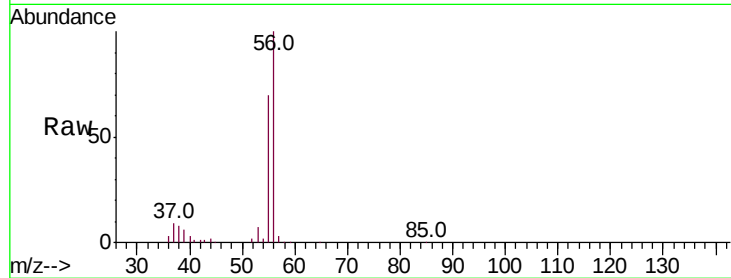
55 71.5 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.702 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

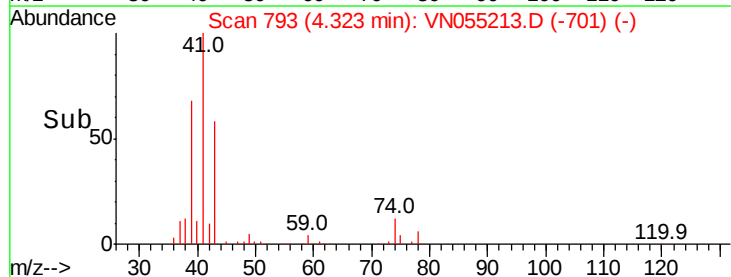
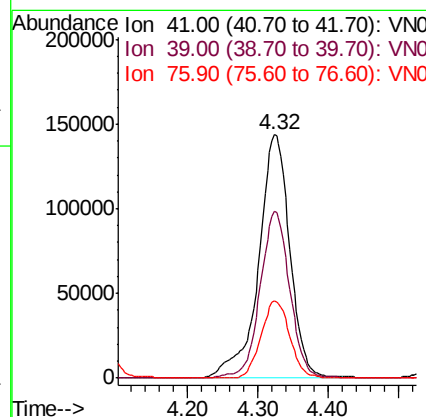
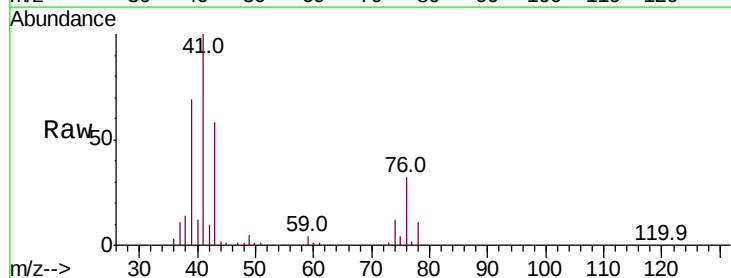
Tgt Ion: 41 Resp: 442852

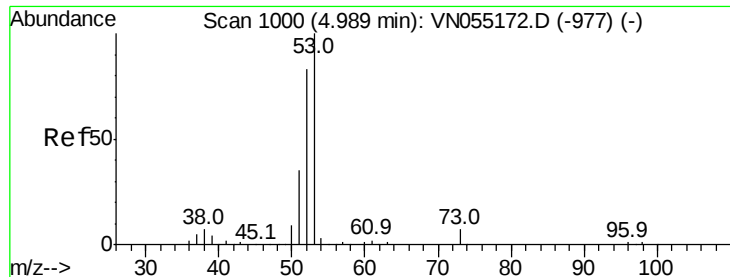
Ion Ratio Lower Upper

41 100

39 64.9 52.9 79.3

76 29.2 23.6 35.4





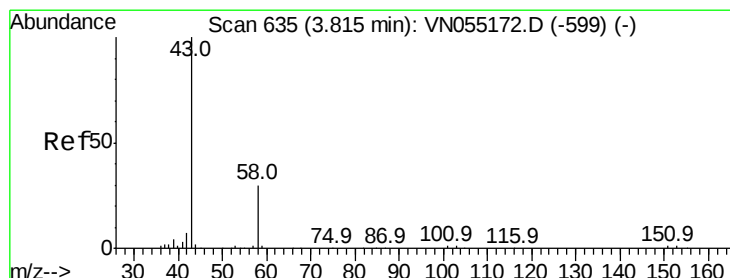
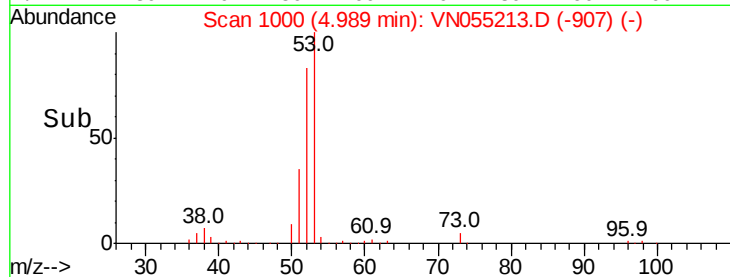
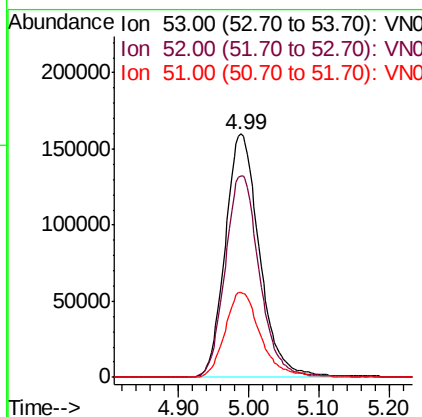
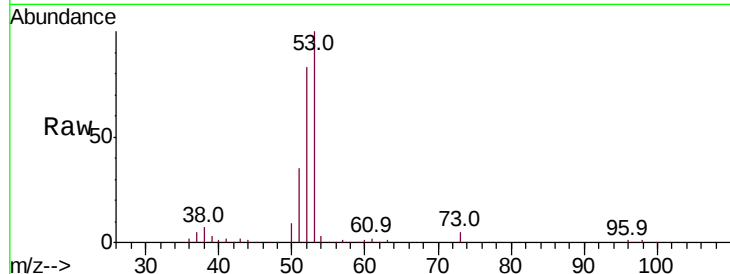
#15
 Acrylonitrile
 Concen: 291.137 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.8	98.8
51	36.1	28.9	43.3

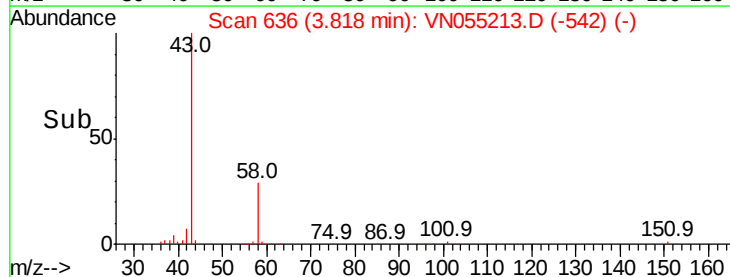
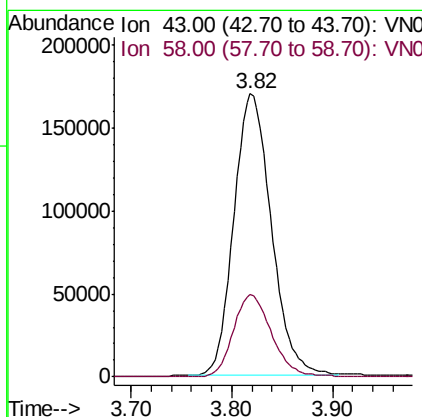
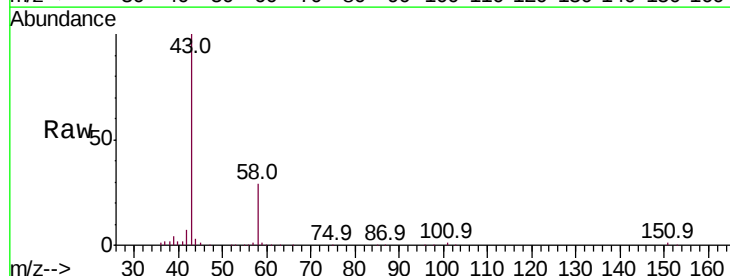
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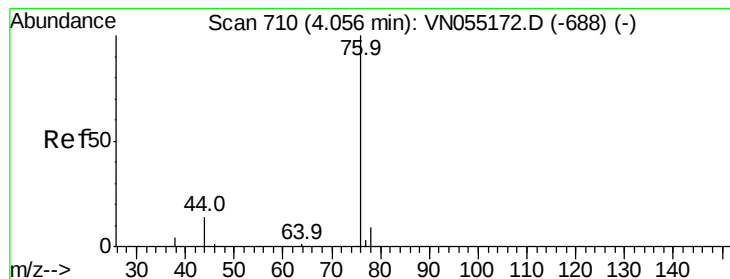
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#16
 Acetone
 Concen: 228.855 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.8	35.8





#17

Carbon Disulfide

Concen: 47.114 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 581955

Ion Ratio Lower Upper

76 100

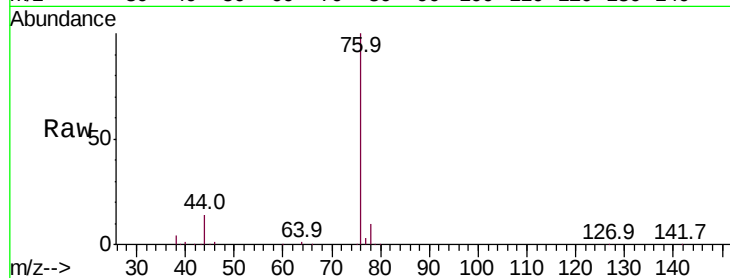
78 9.6 7.3 10.9

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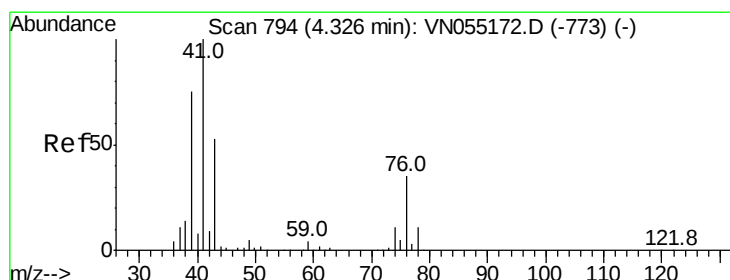
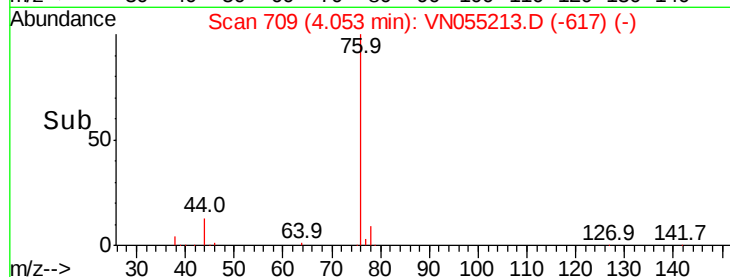
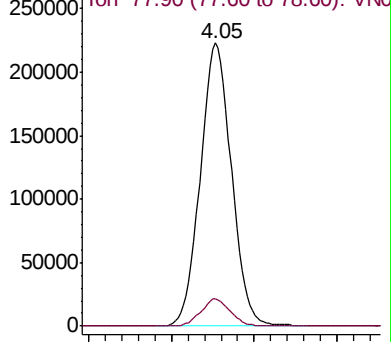
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Abundance Ion 75.90 (75.60 to 76.60): VN055172.D (-688) (-)



#18

Methyl Acetate

Concen: 60.730 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055213.D

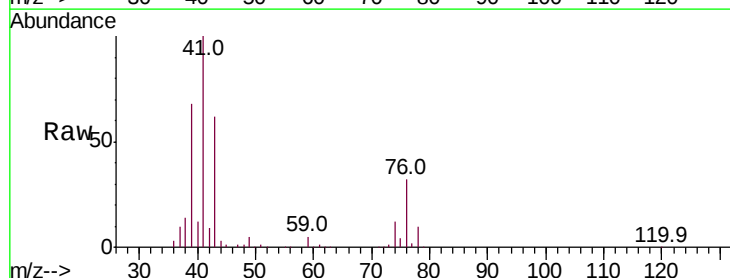
Acq: 23 Apr 2019 18:11

Tgt Ion: 43 Resp: 249762

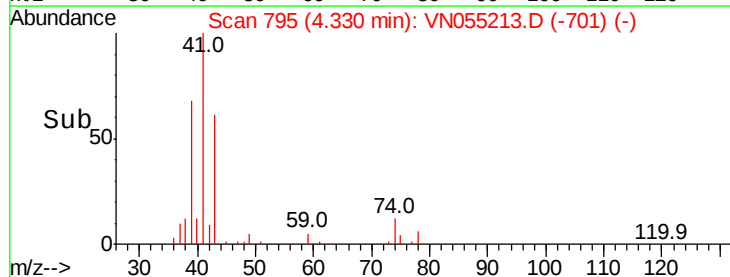
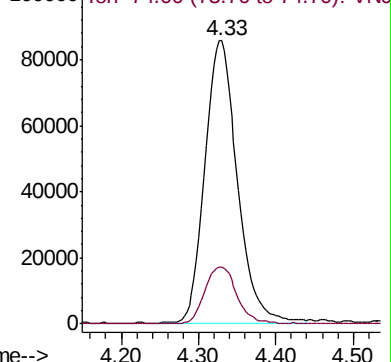
Ion Ratio Lower Upper

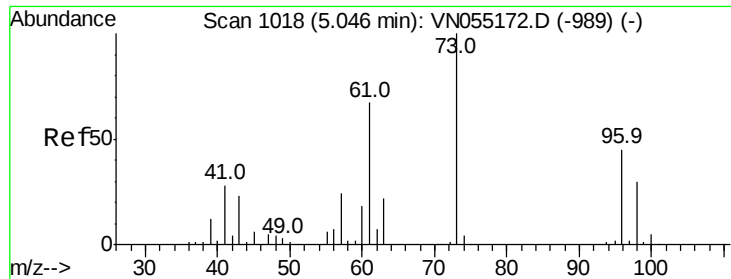
43 100

74 20.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-773) (-)





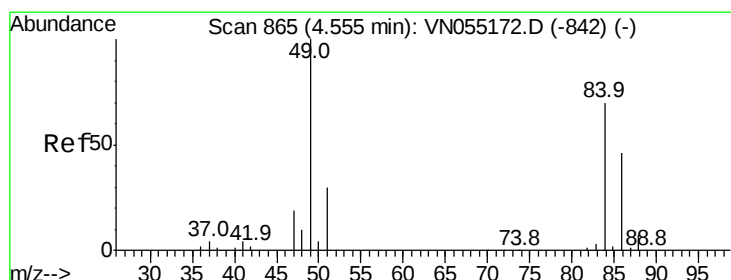
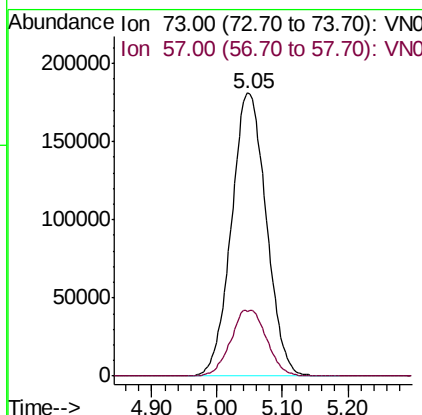
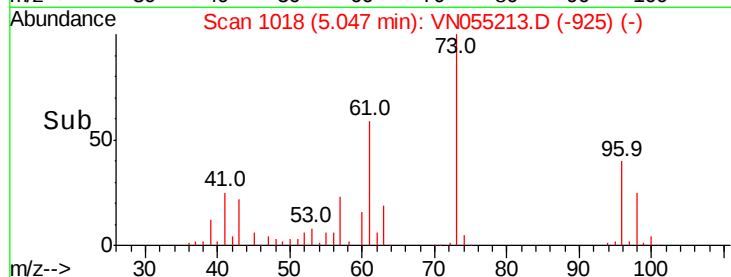
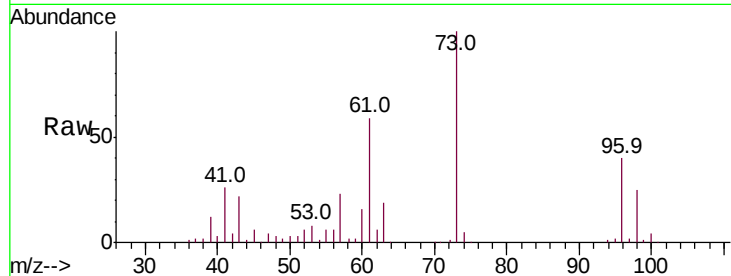
#19
Methvl tert-butvl Ether
Concen: 54.908 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 670742
Ion Ratio Lower Upper
73 100
57 23.0 19.5 29.3

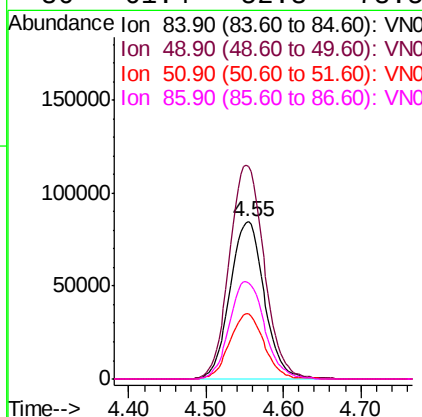
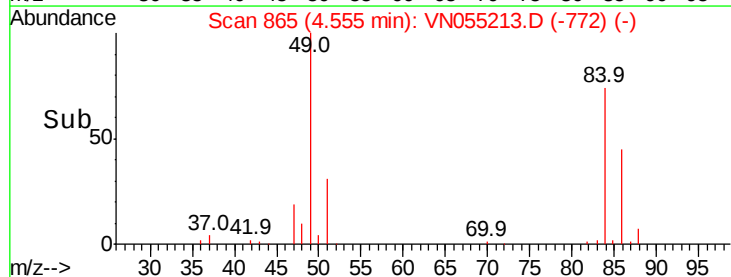
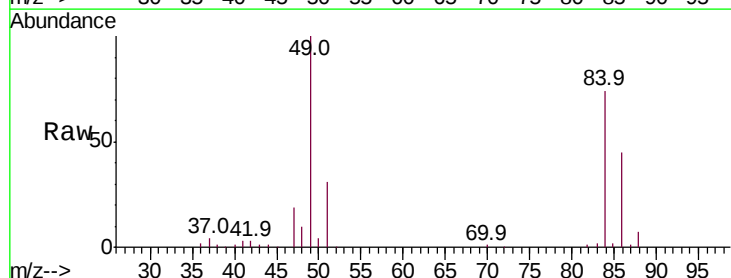
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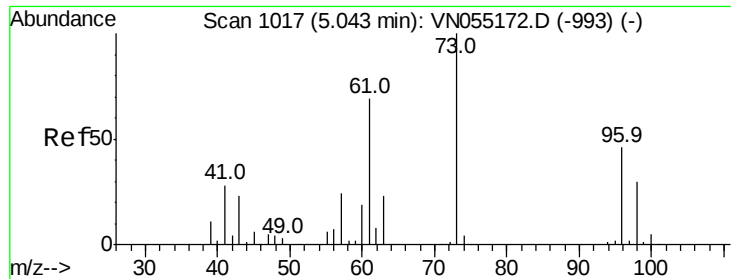
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#20
Methylene Chloride
Concen: 47.114 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion: 84 Resp: 260269
Ion Ratio Lower Upper
84 100
49 135.2 113.8 170.6
51 41.4 34.0 51.0
86 61.4 52.3 78.5





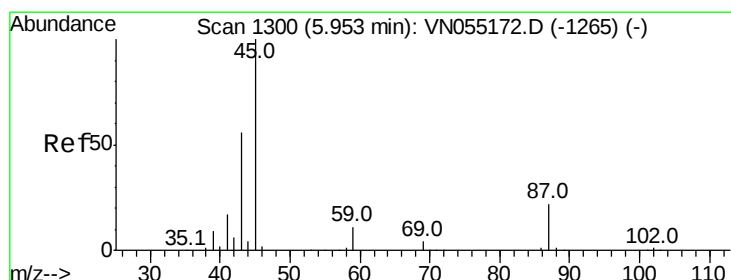
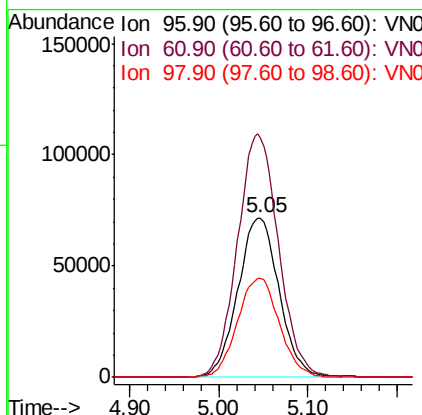
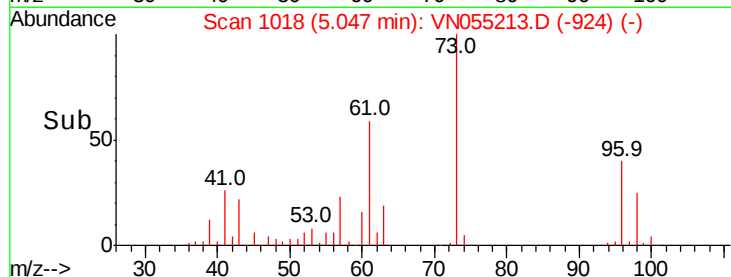
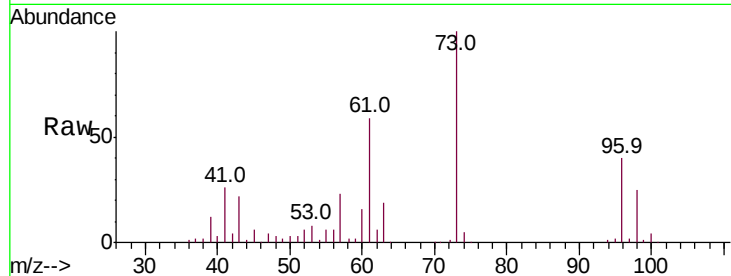
#21
trans-1,2-Dichloroethene
Concen: 49.675 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	119.3	178.9
98	62.3	53.0	79.4

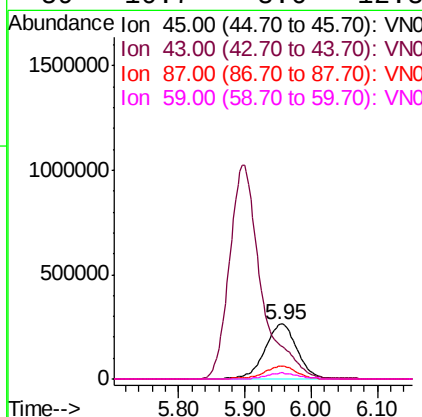
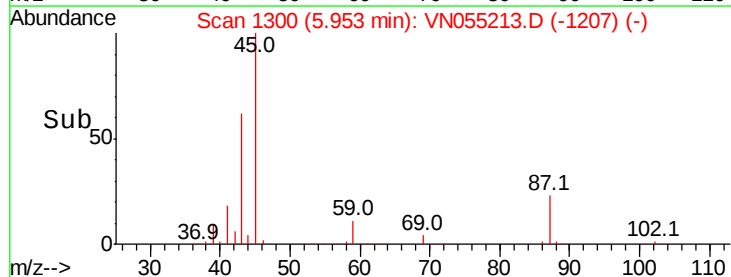
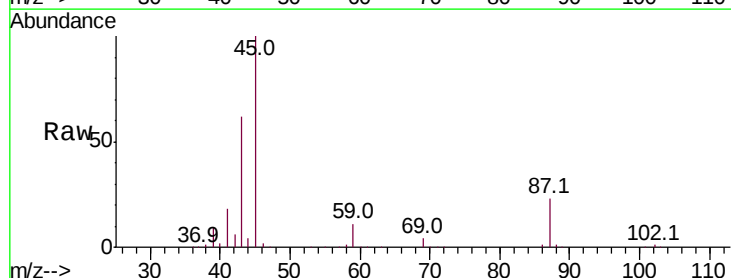
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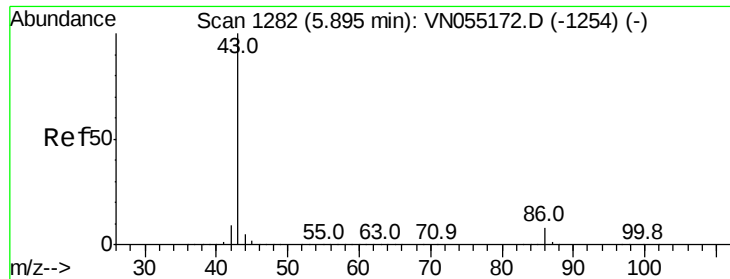
MMDadoda
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#22
Diisopropyl ether
Concen: 51.479 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	47.4	71.0
87	23.2	18.4	27.6
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 292.971 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3427693

Ion Ratio Lower Upper

43 100

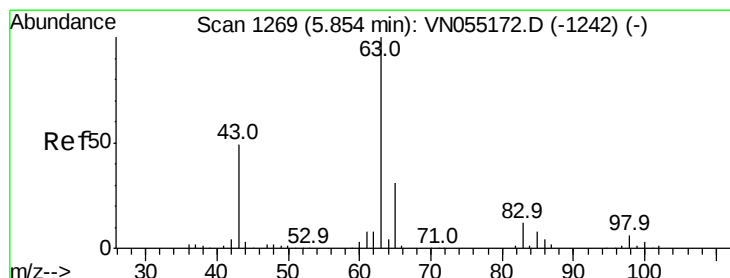
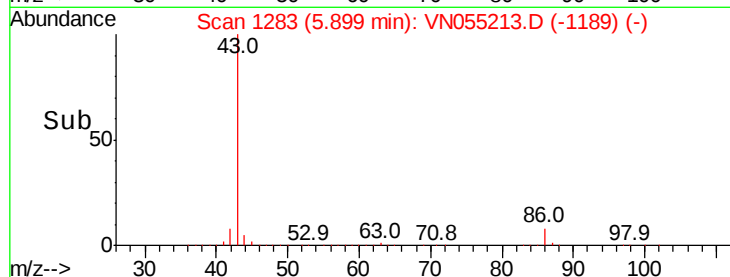
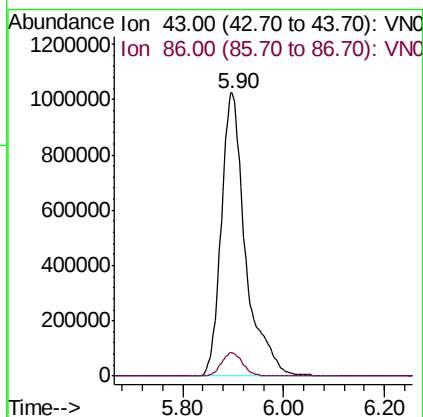
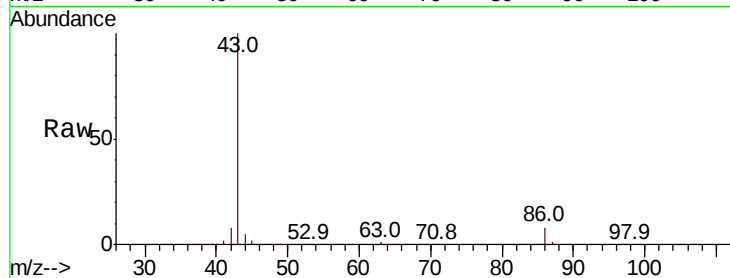
86 8.3 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.434 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

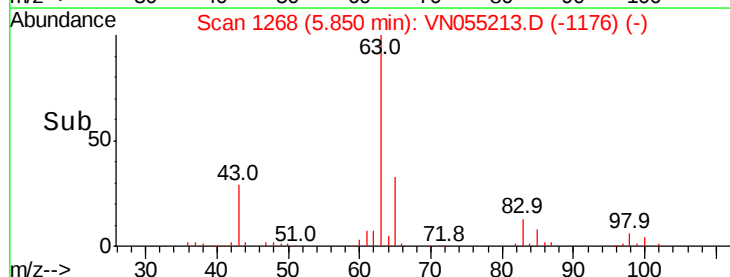
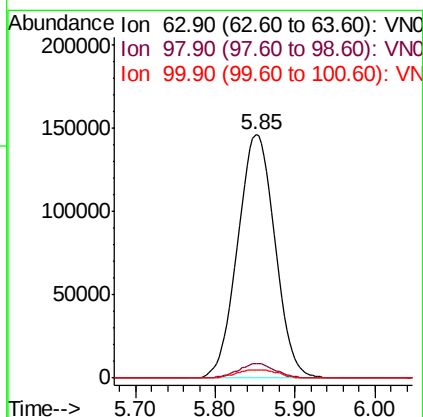
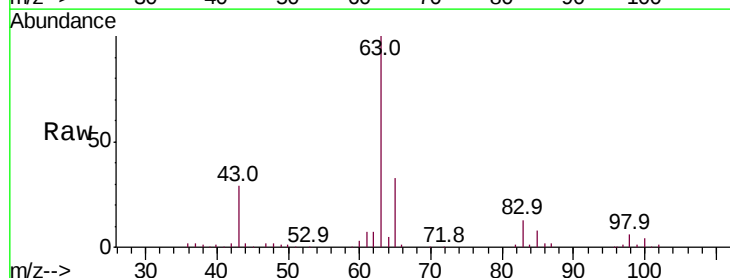
Tgt Ion: 63 Resp: 462939

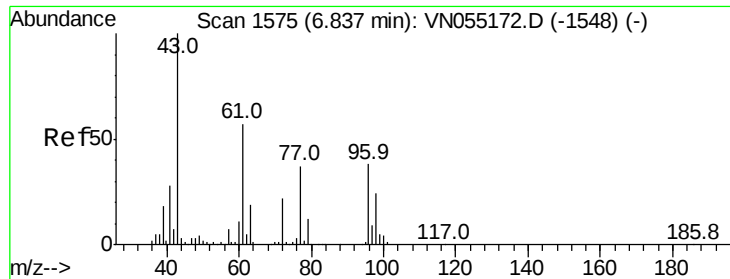
Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.3

100 3.6 1.8 5.3





#25

2-Butanone

Concen: 278.769 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 691571

Ion Ratio Lower Upper

43 100

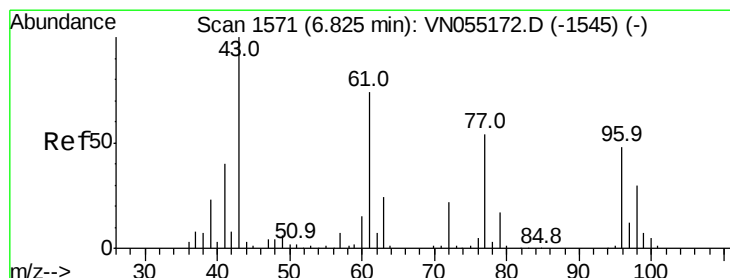
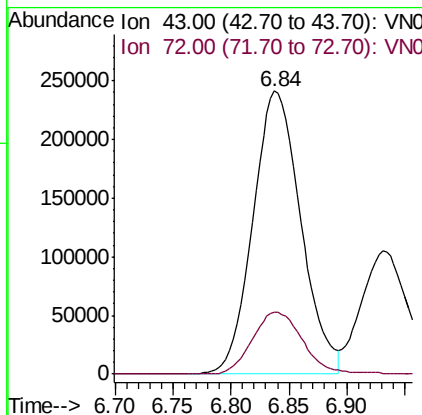
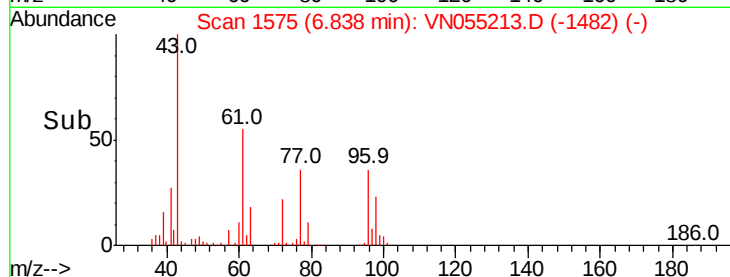
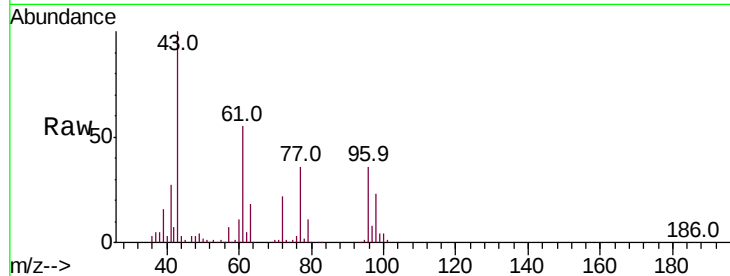
72 22.0 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.732 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055213.D

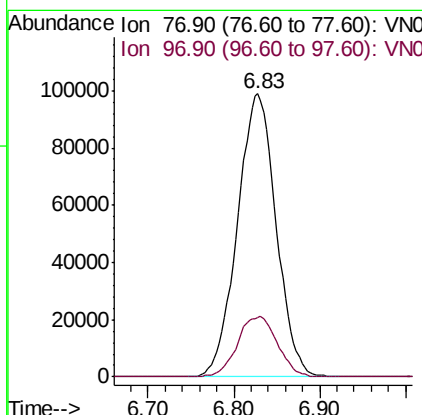
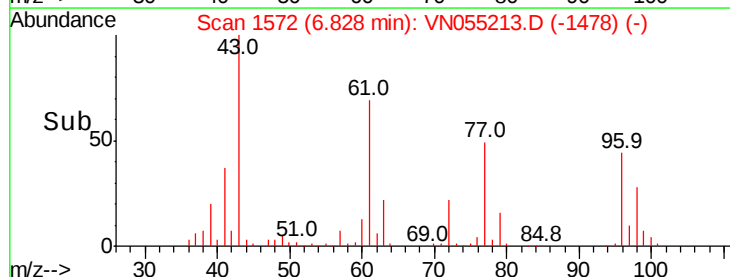
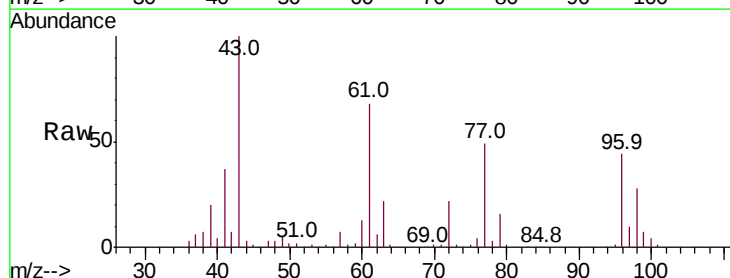
Acq: 23 Apr 2019 18:11

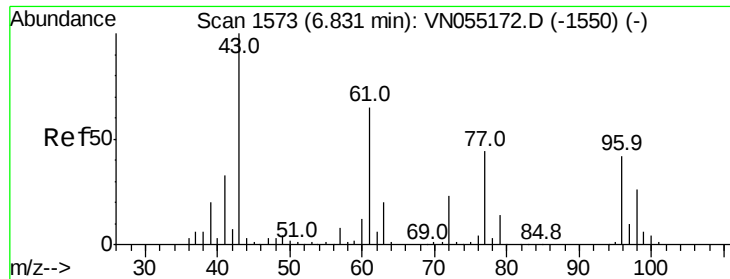
Tgt Ion: 77 Resp: 308827

Ion Ratio Lower Upper

77 100

97 22.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 49.547 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055213.D

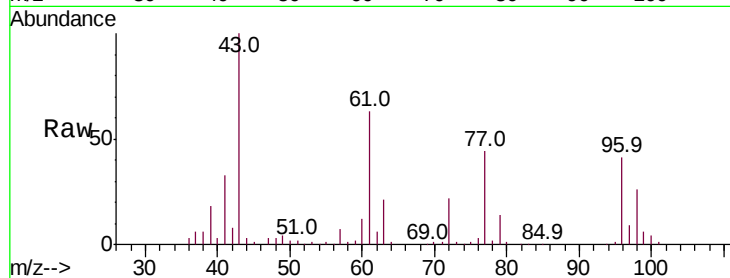
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	264622		
61	156.5	0.0	310.8	
98	63.9	0.0	127.4	

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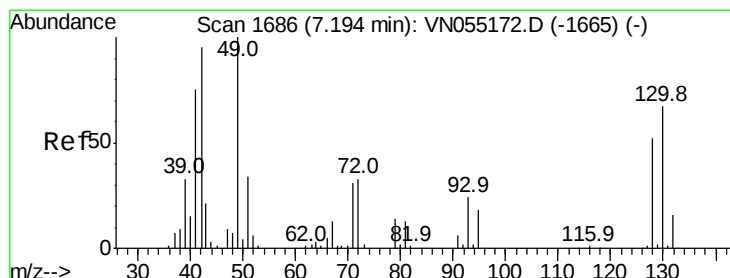
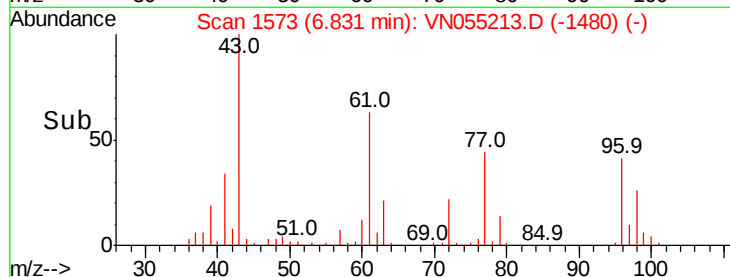
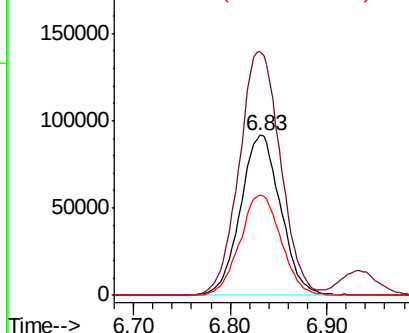


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.488 ug/l

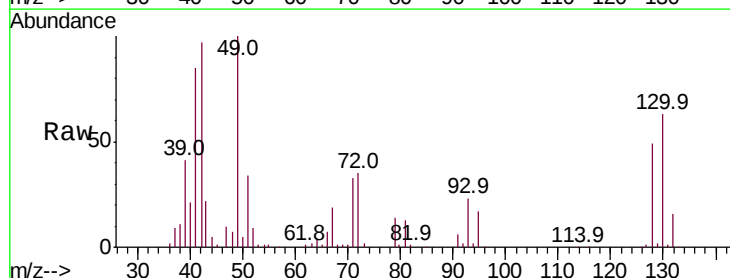
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	236241		
129	1.9	0.0	3.8	
130	65.4	53.4	80.2	

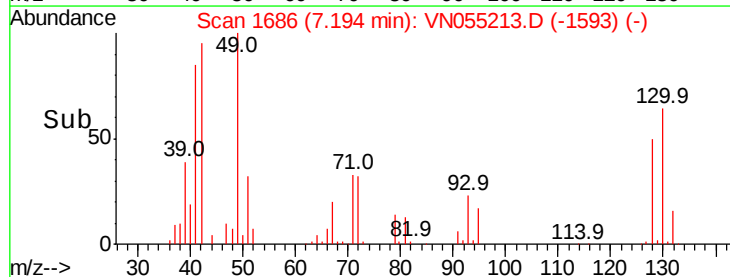
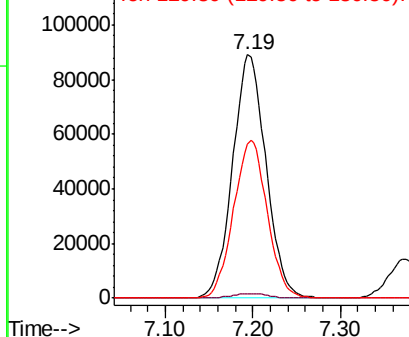


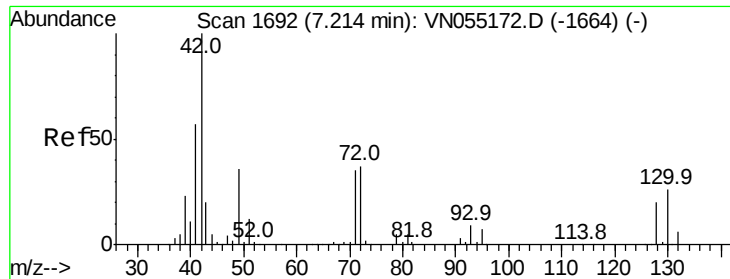
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





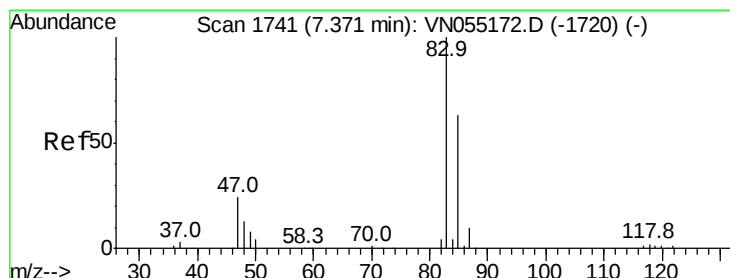
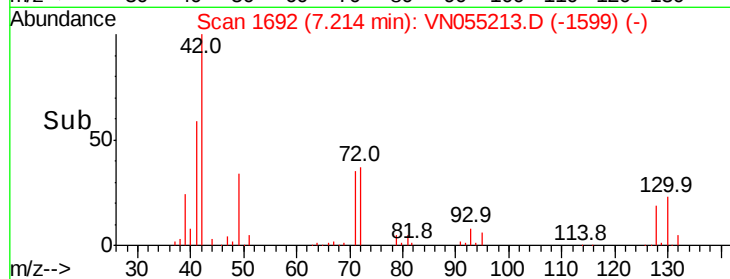
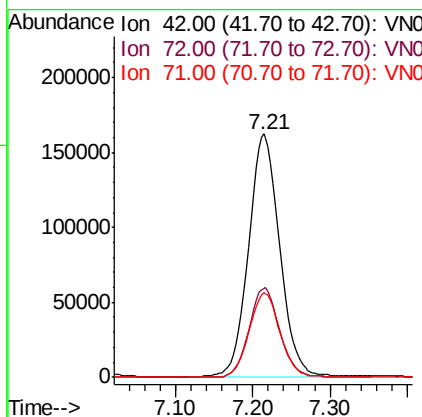
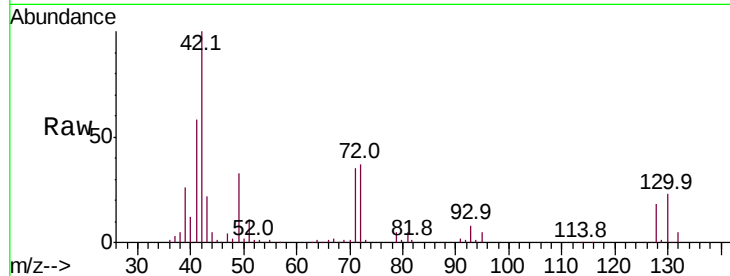
#29
Tetrahydrofuran
Concen: 299.200 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.4	44.2
71	34.5	27.8	41.8

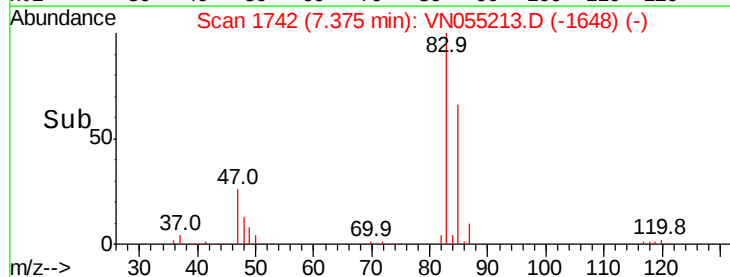
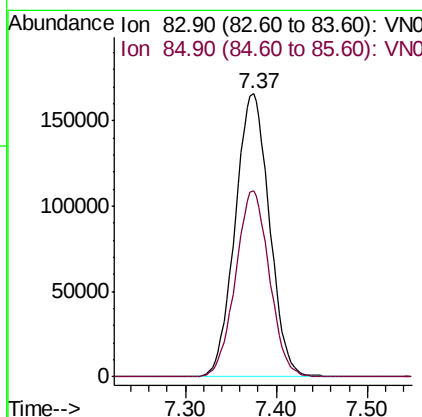
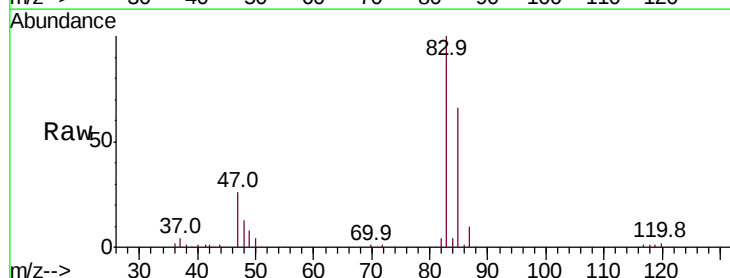
Manual Integrations
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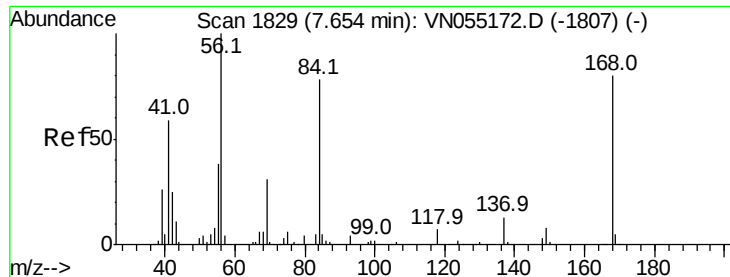
MMDadoda
4/24/2019 12:44:43 PM



#30
Chloroform
Concen: 48.737 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	76.0





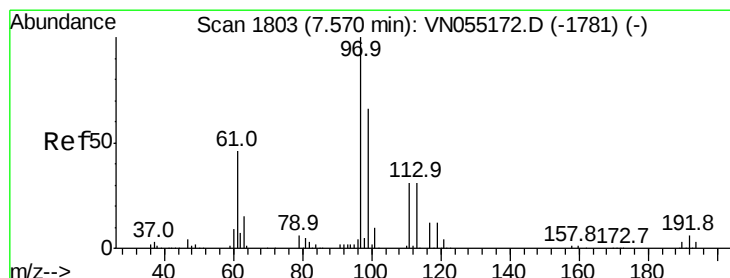
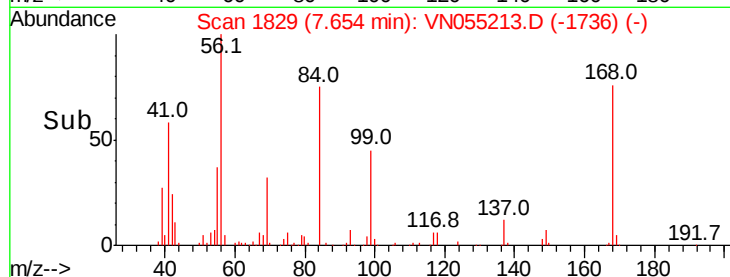
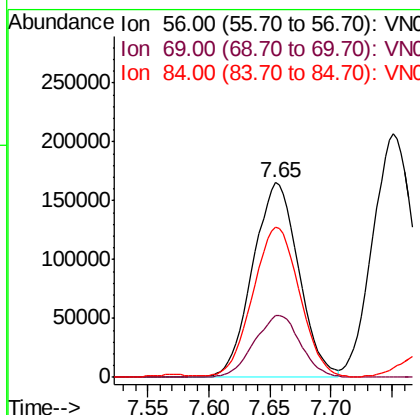
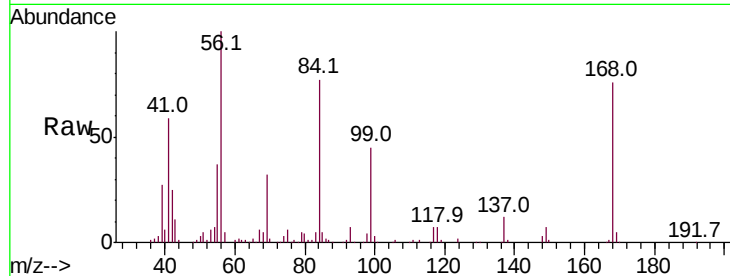
#31
Cyclohexane
Concen: 49.423 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.6	37.0
84	76.1	61.4	92.2

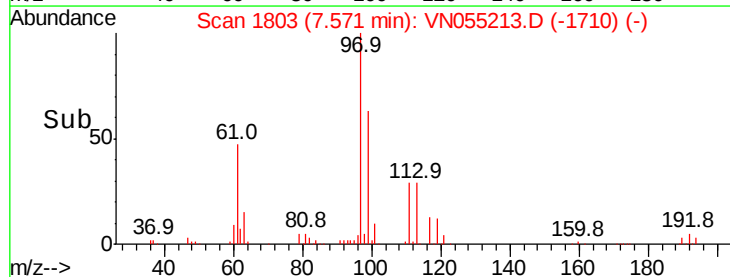
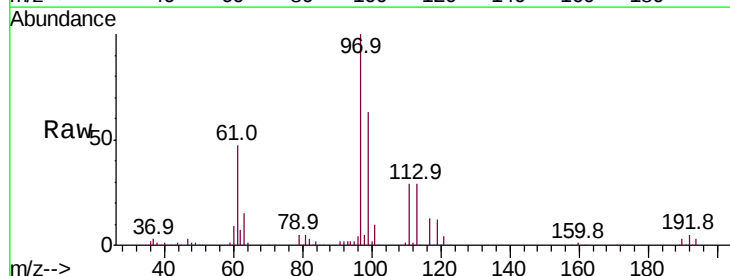
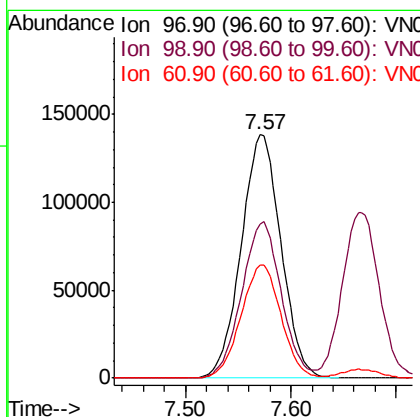
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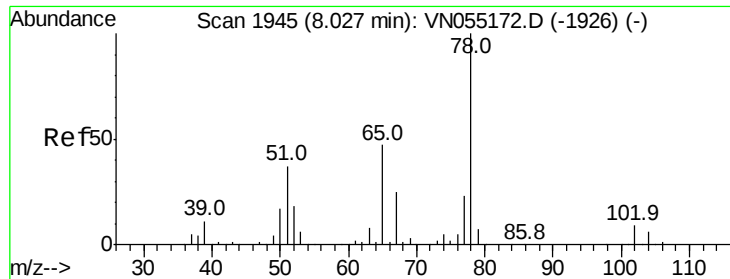
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#32
1,1,1-Trichloroethane
Concen: 50.761 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	46.9	38.3	57.5





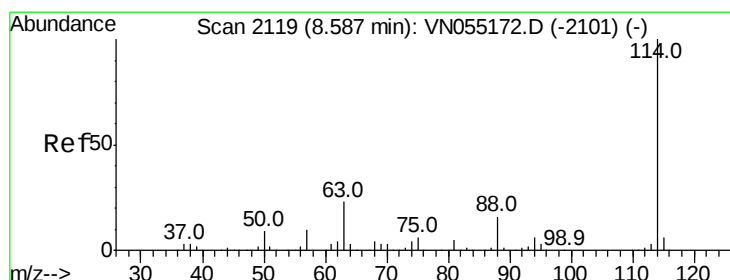
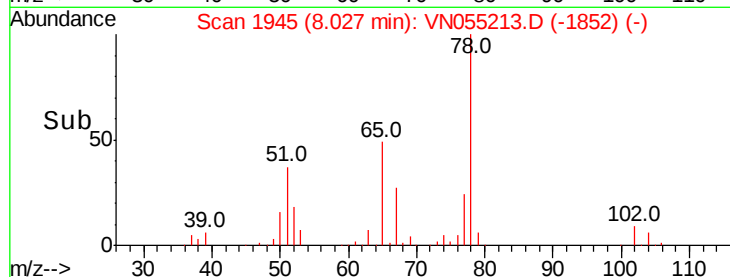
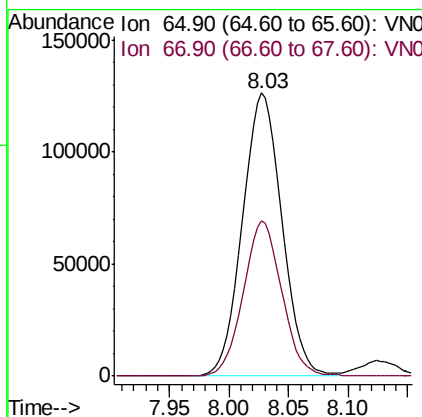
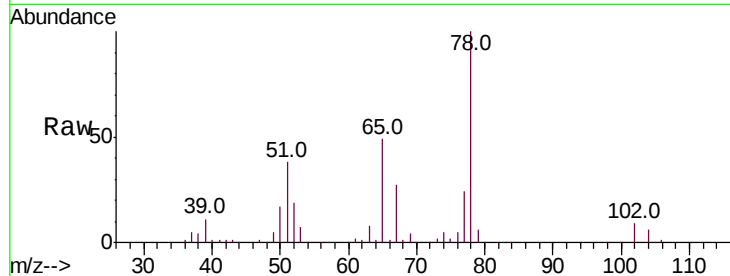
#33
 1,2-Dichloroethane-d4
 Concen: 49.972 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	290474		
67	53.5	0.0	108.6	

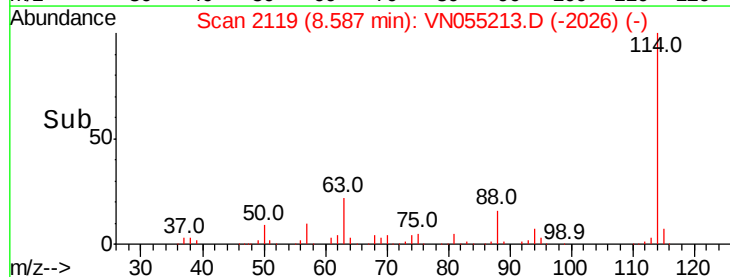
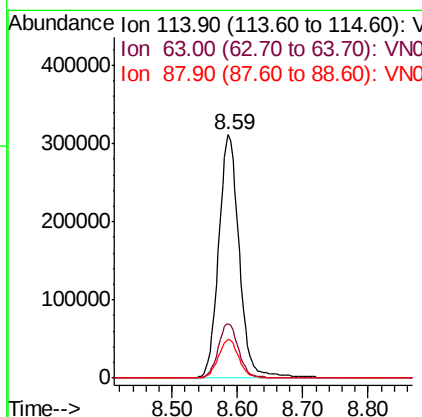
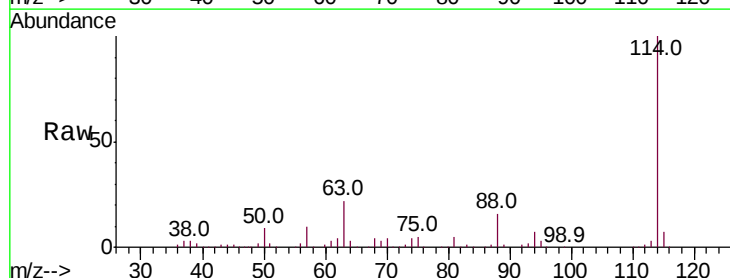
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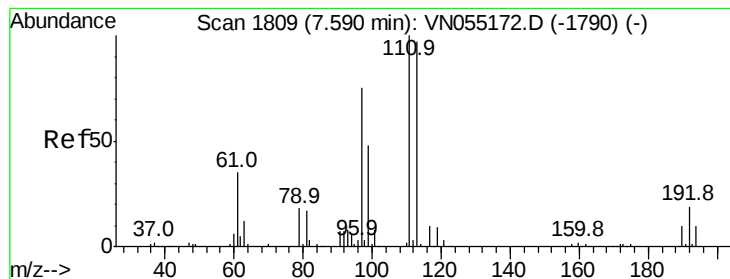
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	682622		
63	22.2	0.0	45.2	
88	15.8	0.0	32.8	





#35

Dibromofluoromethane

Concen: 49.388 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 229030

Ion Ratio Lower Upper

113 100

111 100.4 81.0 121.4

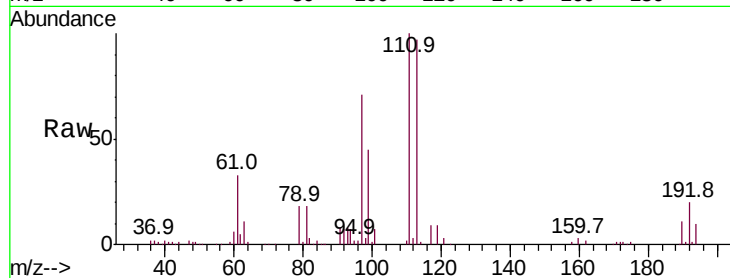
192 21.0 16.2 24.4

Manual Integrations

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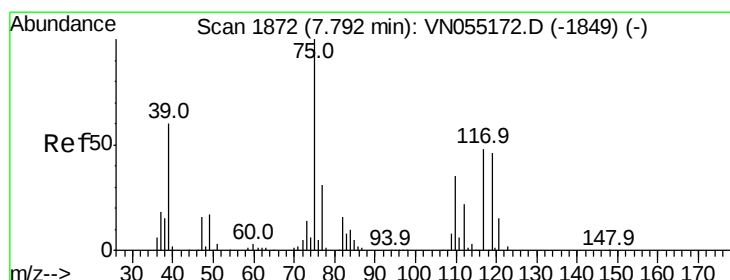
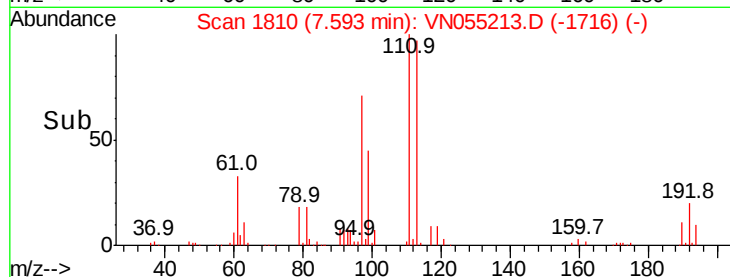
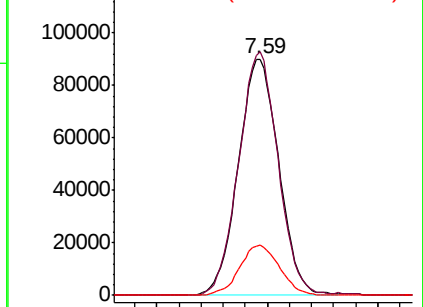
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.173 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

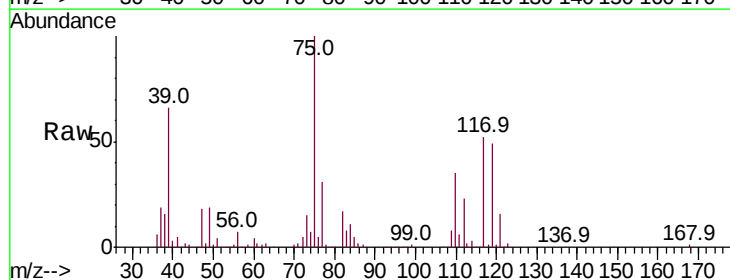
Tgt Ion: 75 Resp: 330557

Ion Ratio Lower Upper

75 100

110 33.8 17.1 51.2

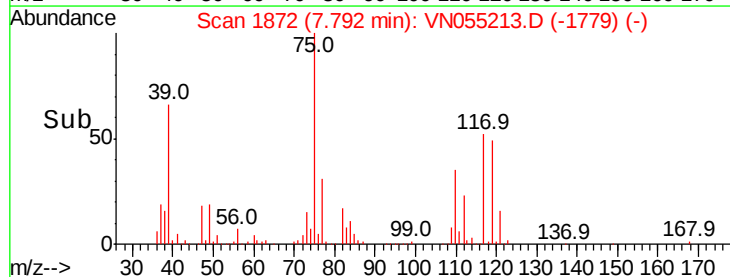
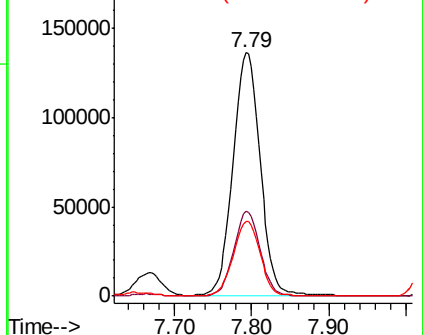
77 30.8 24.6 36.8

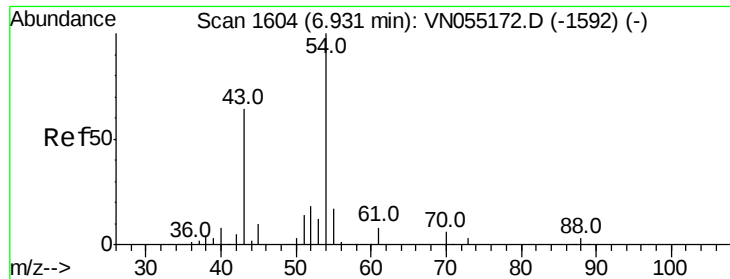


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





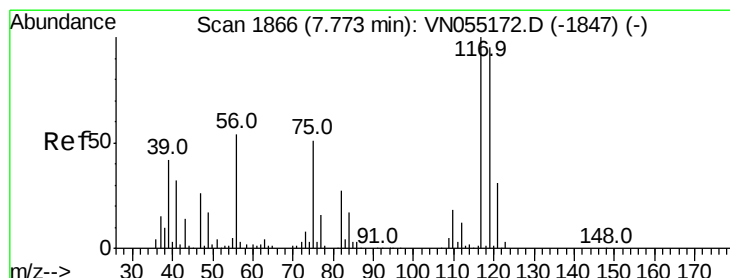
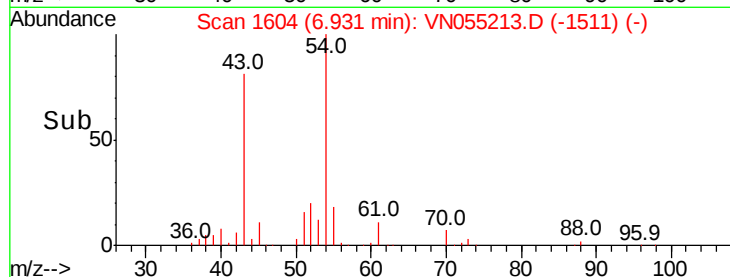
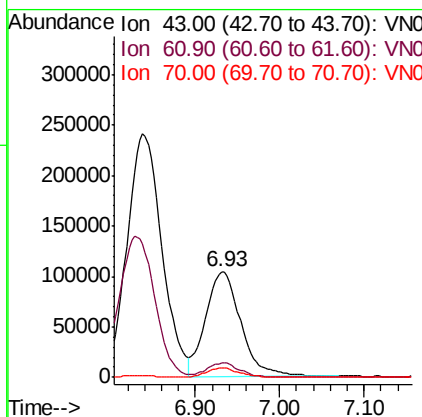
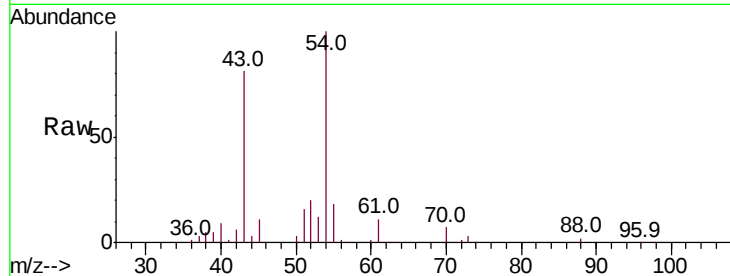
#37
Ethyl Acetate
Concen: 59.169 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.7	14.5
70	8.4	6.9	10.3

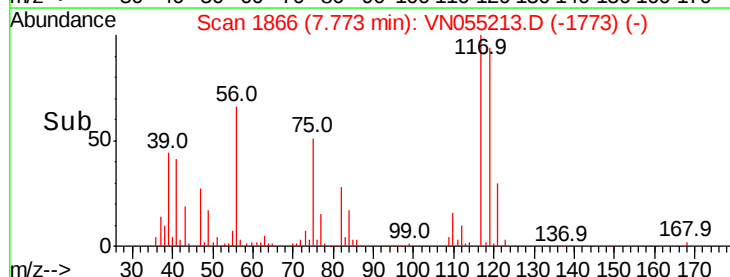
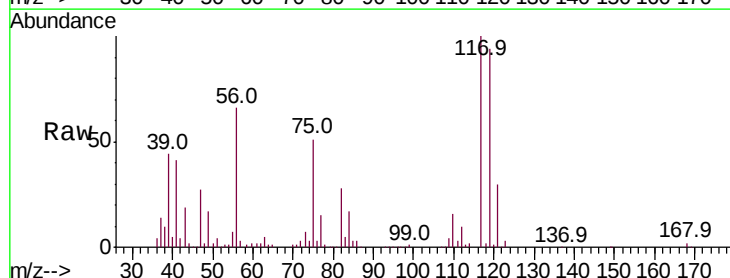
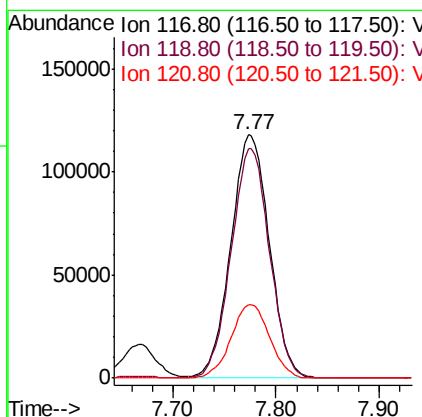
Manual Integrations
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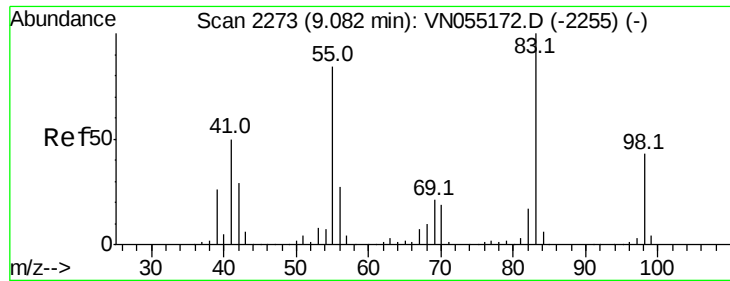
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.712 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	29.9	24.6	36.8





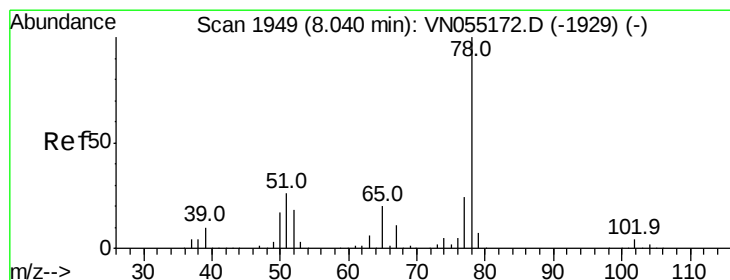
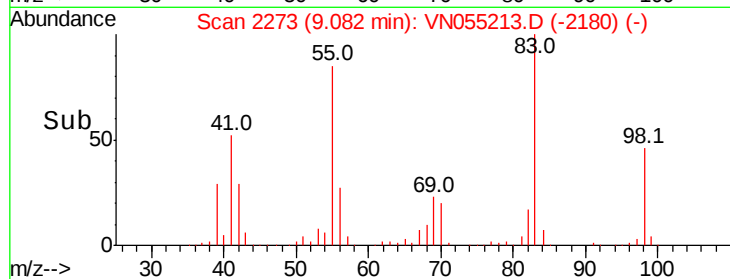
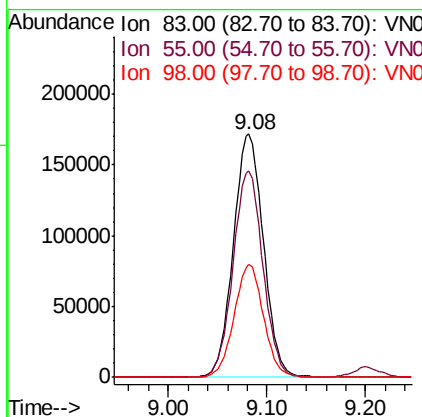
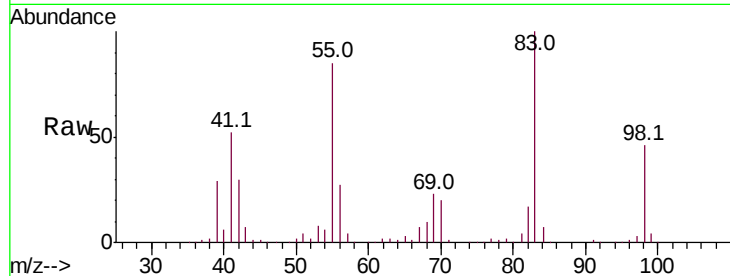
#39
Methvlcvclohexane
Concen: 48.261 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	364781
Ion Ratio	100	Lower	Upper
83	100		
55	84.9	67.4	101.0
98	46.3	34.7	52.1

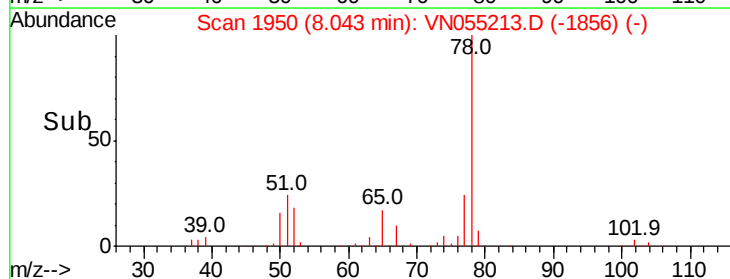
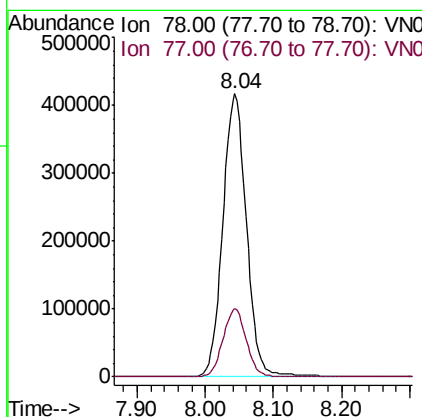
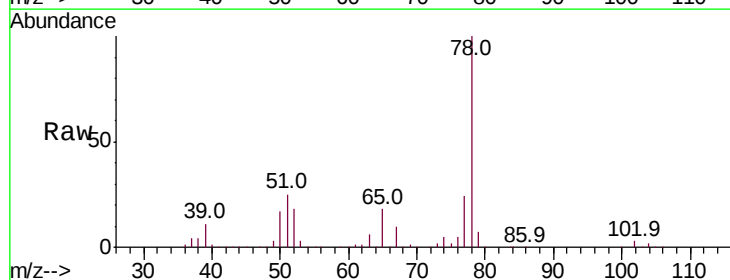
Manual Integrations
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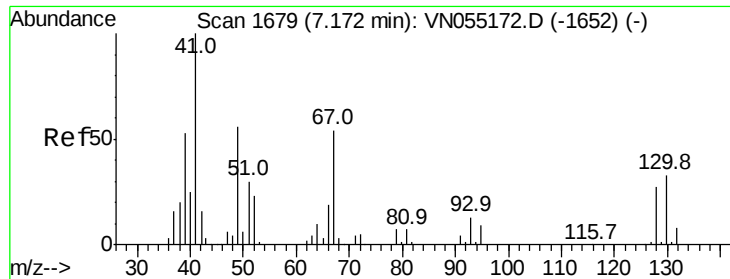
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#40
Benzene
Concen: 51.337 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	78	Resp	1004063
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.5	29.3





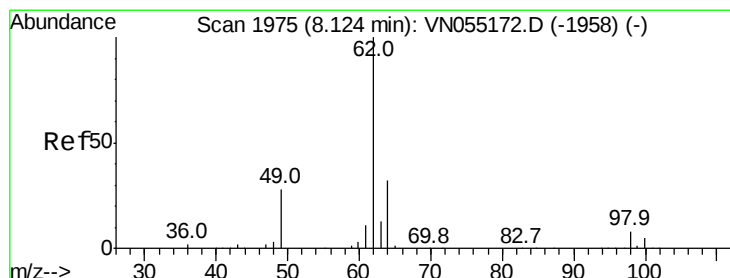
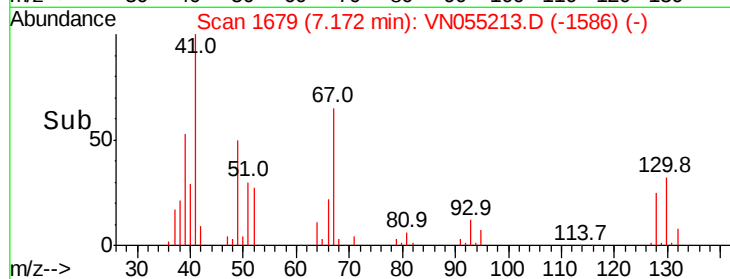
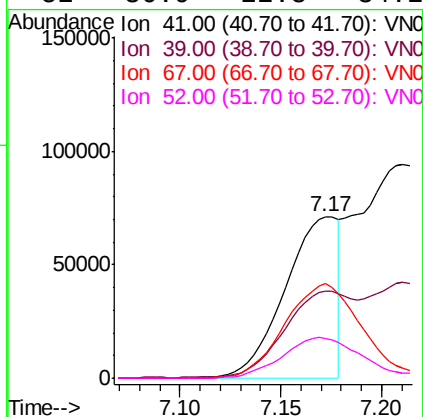
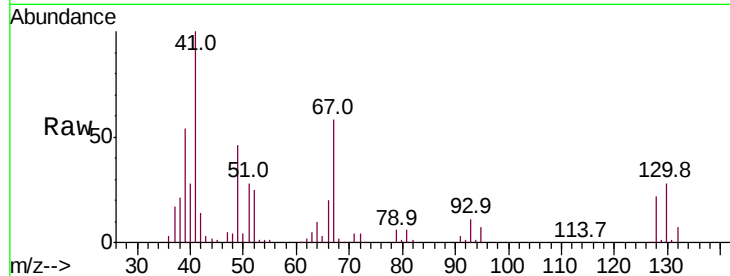
#41
Methacrylonitrile
Concen: 48.549 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.0	45.4	68.0#
67	85.6	54.6	81.8#
52	36.9	22.8	34.2#

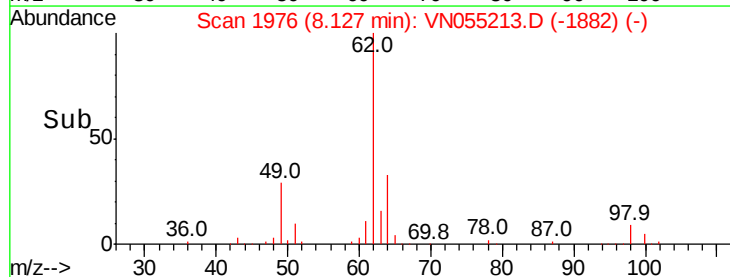
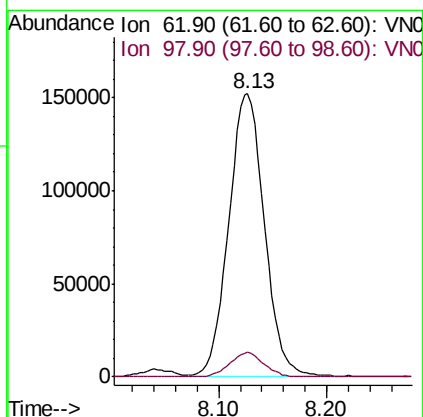
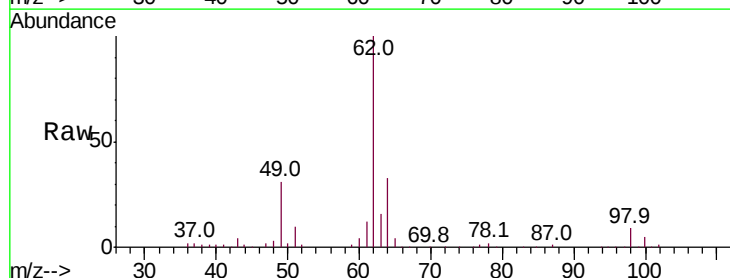
Manual Integrations
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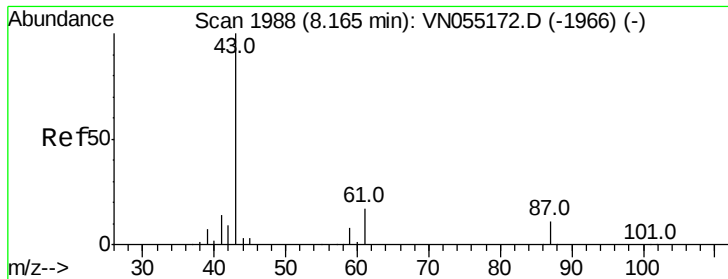
MMDadoda
4/24/2019 12:44:43 PM



#42
1,2-Dichloroethane
Concen: 51.201 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 62.204 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

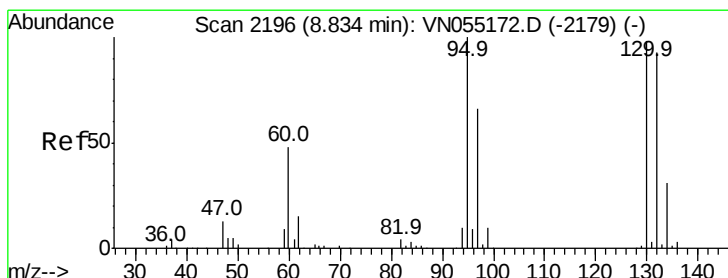
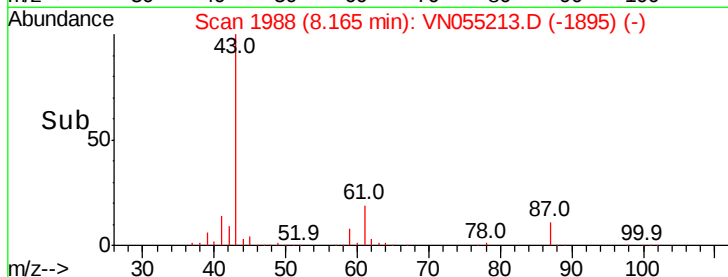
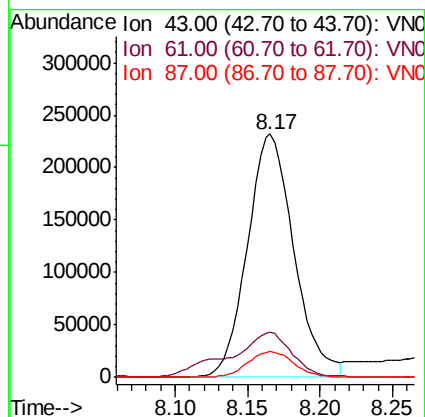
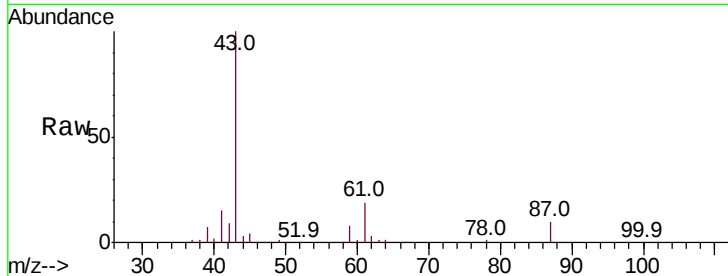
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	515049
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.6	30.8
87	10.7	8.8	13.2

Manual Integrations
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#44

Trichloroethene

Concen: 50.111 ug/l

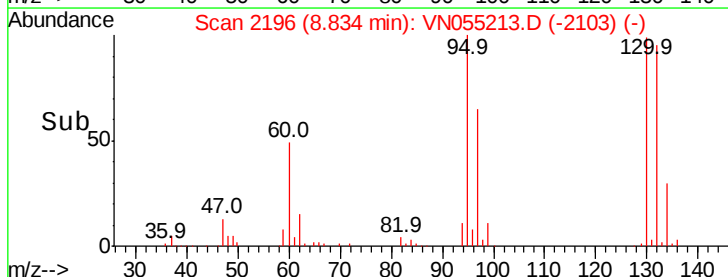
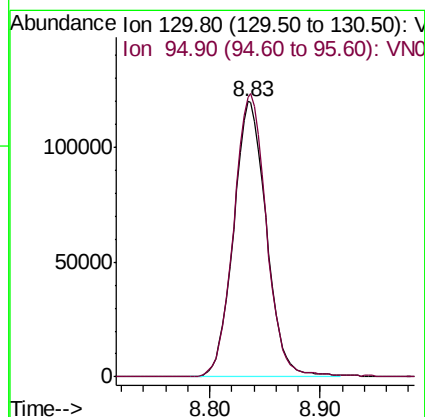
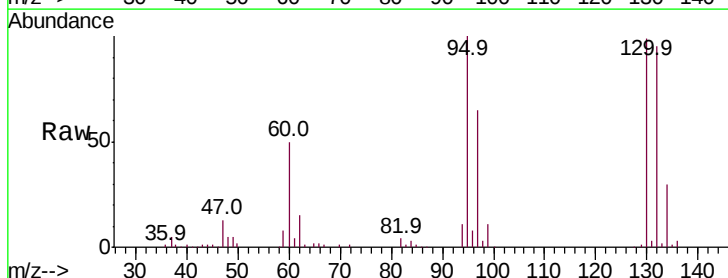
RT: 8.83 min Scan# 2196

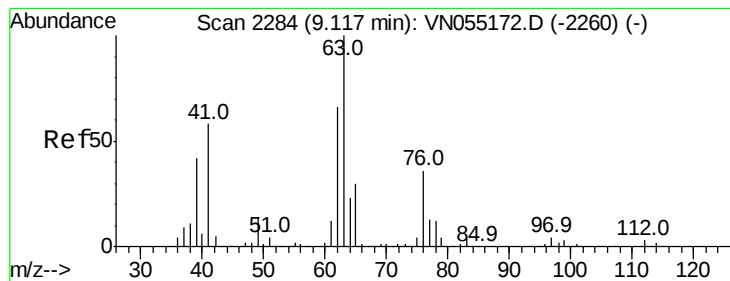
Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion:	130	Resp:	247713
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	203.6





#45

1,2-Dichloropropane

Concen: 50.332 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 277874

Ion Ratio Lower Upper

63 100

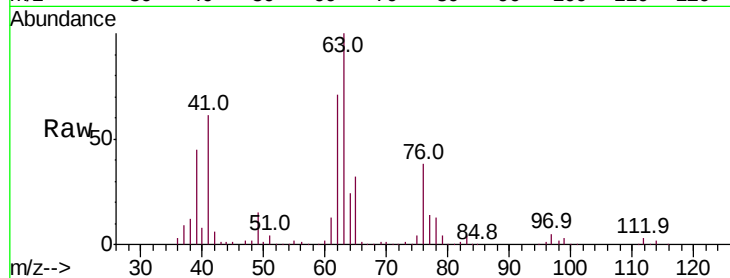
65 32.3 23.8 35.6

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

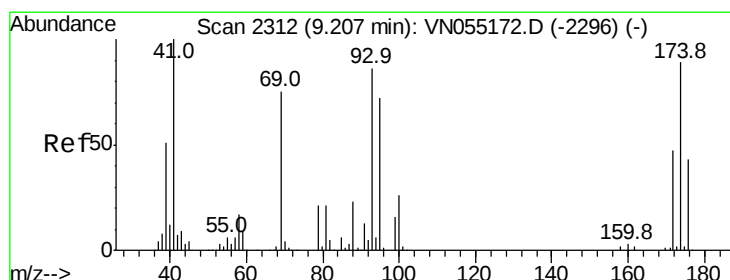
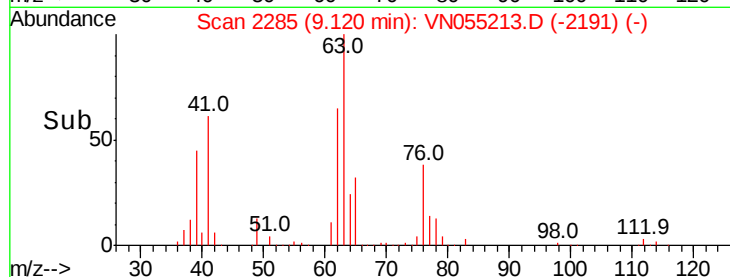
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 50.906 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

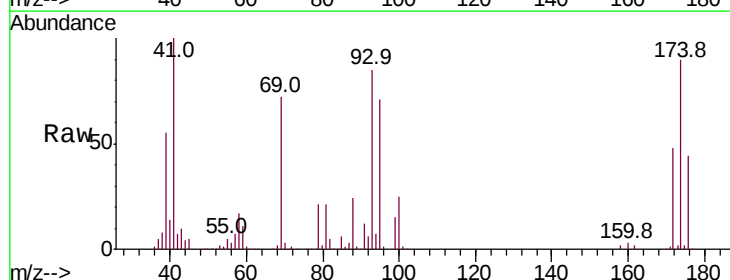
Tgt Ion: 93 Resp: 160884

Ion Ratio Lower Upper

93 100

95 83.0 67.6 101.4

174 104.1 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

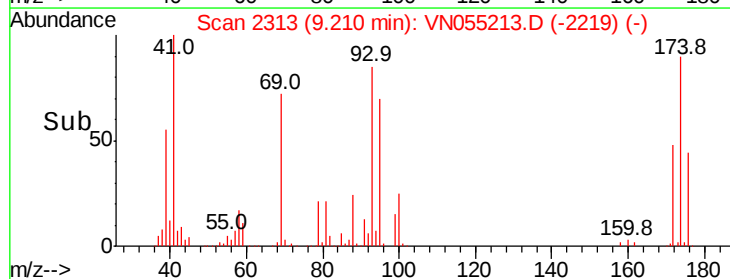
40000

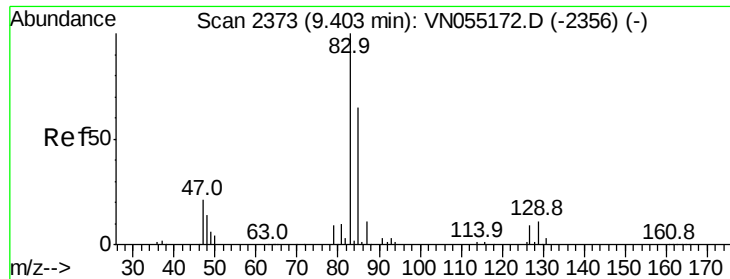
20000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 51.896 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

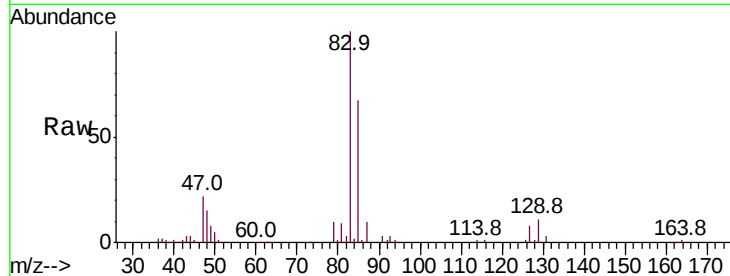
ClientSampleId :

VSTDCCC050EC

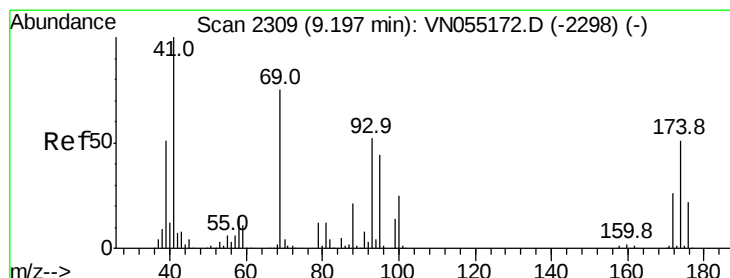
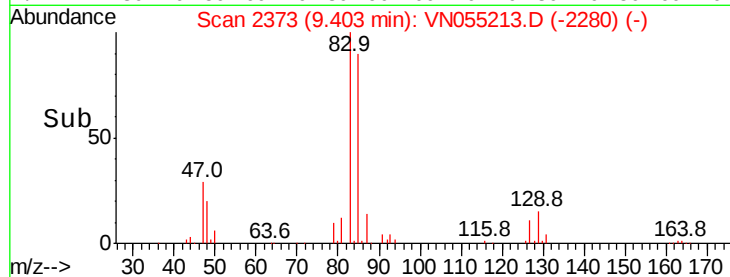
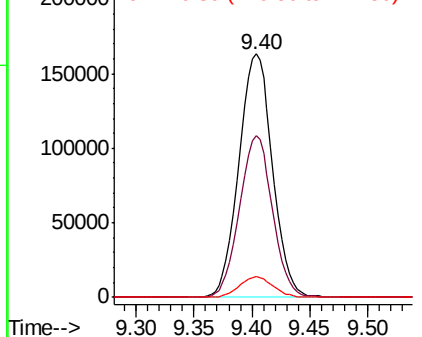
Tot Ion:	83	Resp:	328335
Ion Ratio	Lower	Upper	
83	100		
85	66.5	52.1	78.1
127	8.4	6.9	10.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055213.D (-2280) (-)



#48

Methyl methacrylate

Concen: 59.534 ug/l

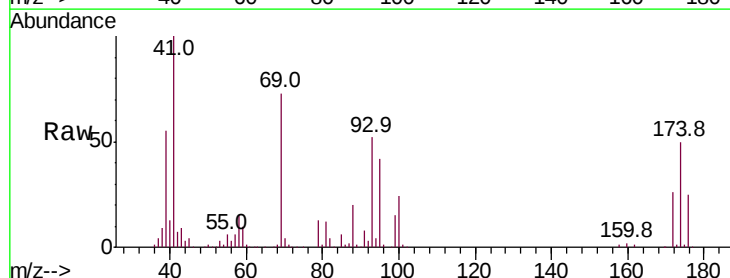
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

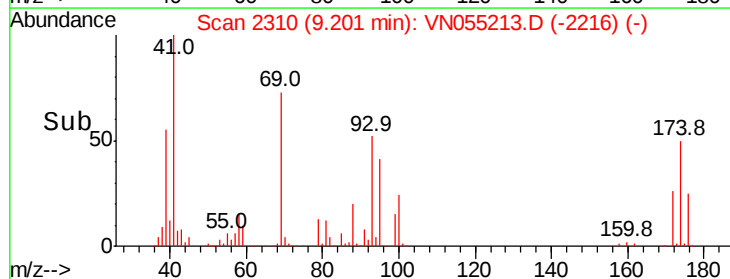
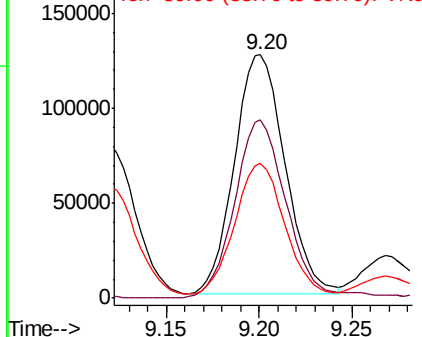
Lab File: VN055213.D

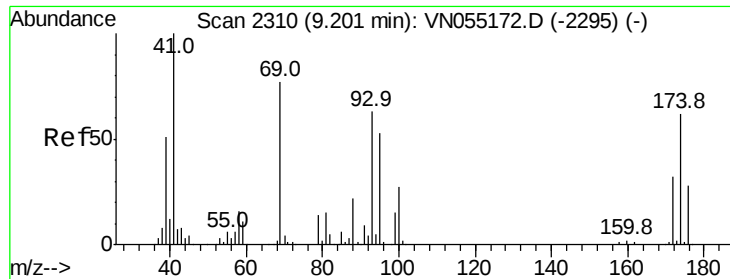
Acq: 23 Apr 2019 18:11

Tgt Ion:	41	Resp:	239113
Ion Ratio	Lower	Upper	
41	100		
69	77.4	63.6	95.4
39	56.8	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VN055213.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1198.037 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055213.D

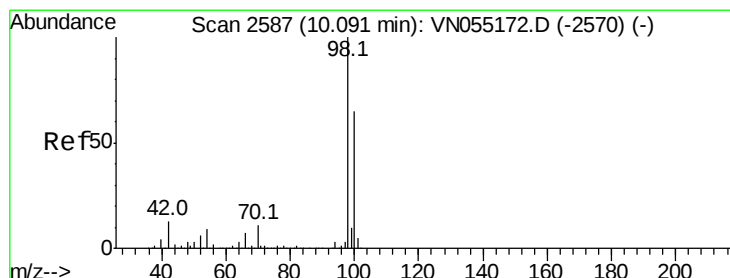
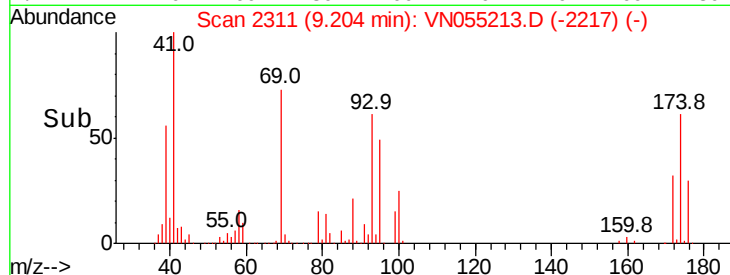
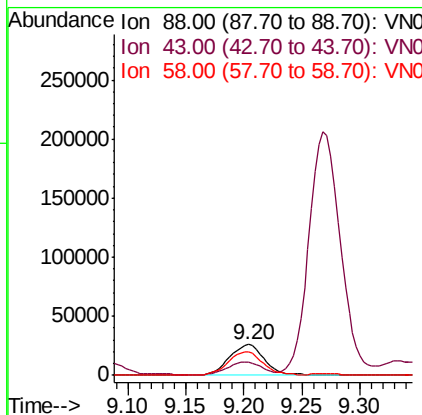
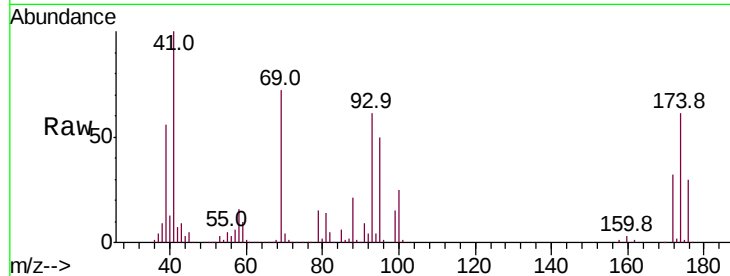
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	88	Resp:	55568
Ion	Ratio	Lower	Upper
88	100		
43	38.6	32.0	48.0
58	75.0	60.4	90.6

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#50

Toluene-d8

Concen: 49.341 ug/l

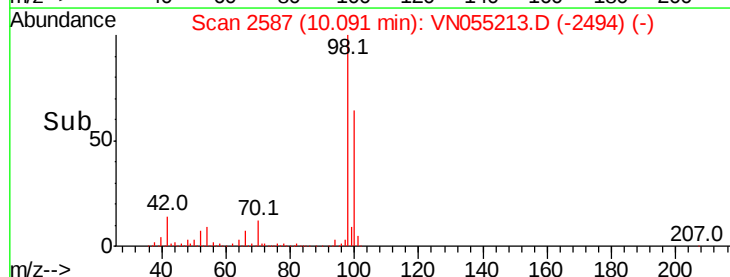
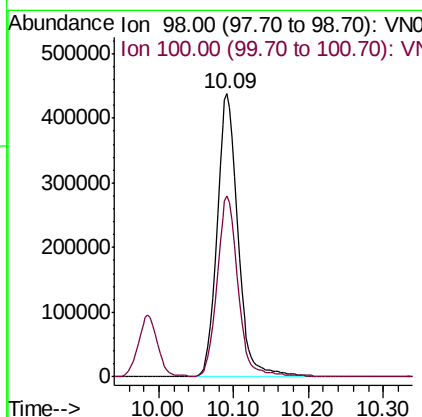
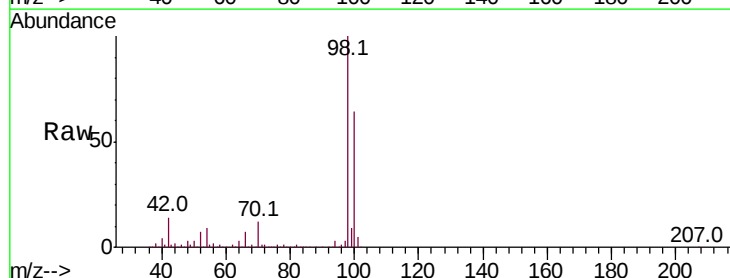
RT: 10.09 min Scan# 2587

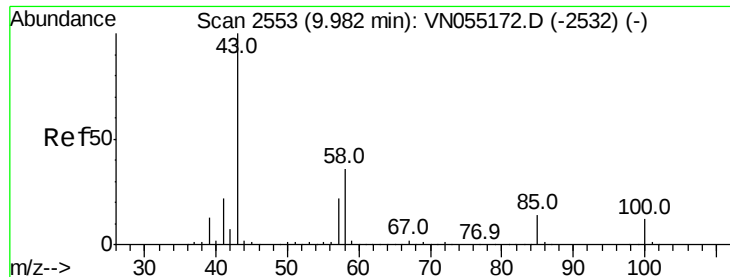
Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion:	98	Resp:	847788
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 303.363 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1445383

Ion Ratio Lower Upper

43 100

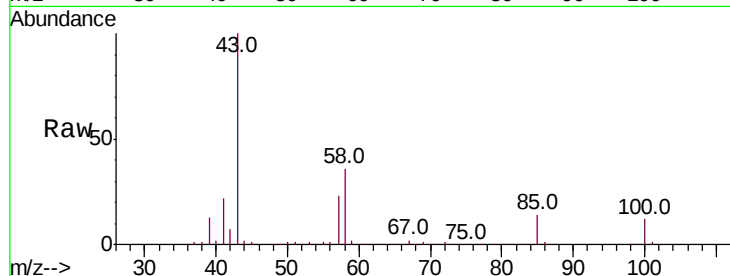
58 35.4 28.3 42.5

Manual Integrations

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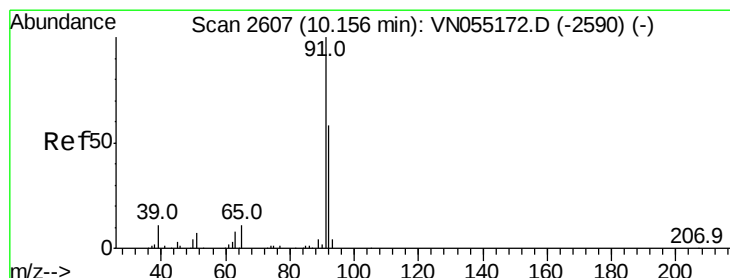
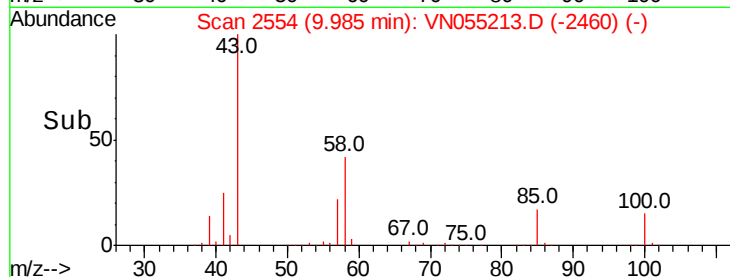
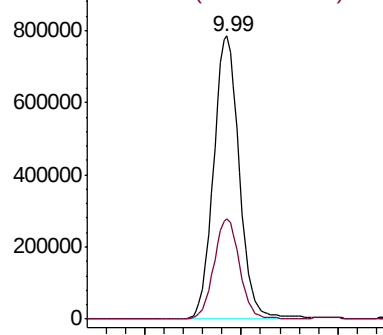
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.294 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055213.D

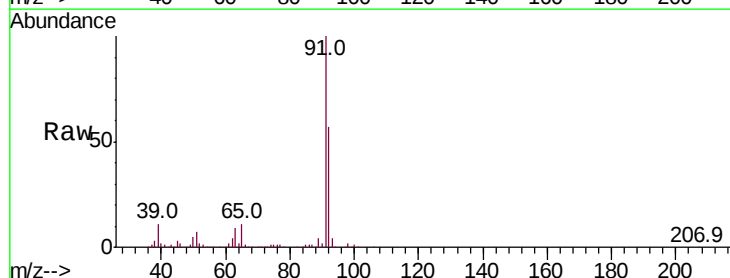
Acq: 23 Apr 2019 18:11

Tgt Ion: 92 Resp: 588123

Ion Ratio Lower Upper

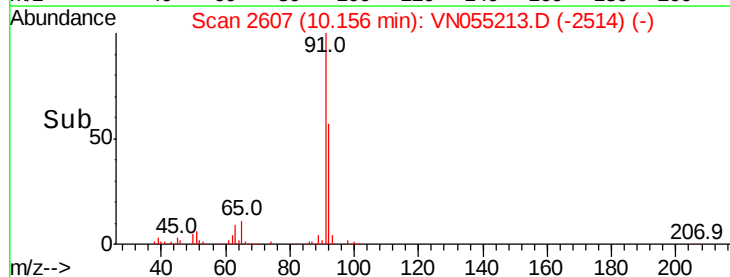
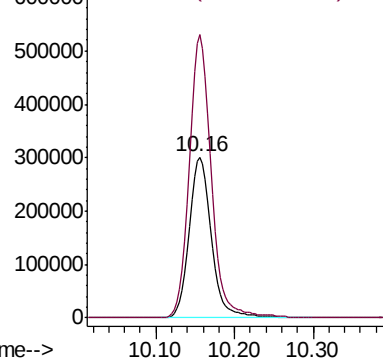
92 100

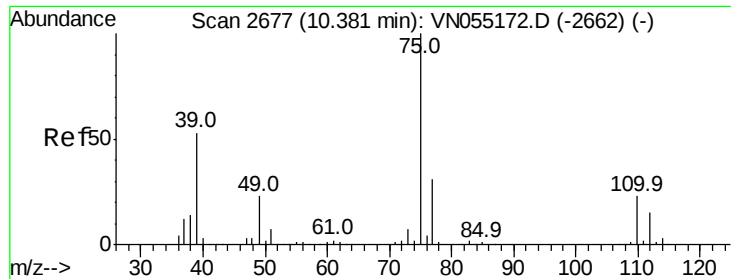
91 174.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





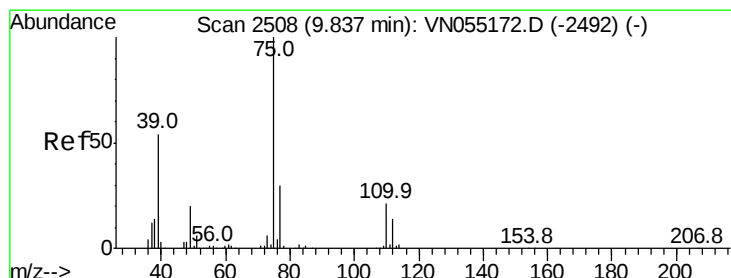
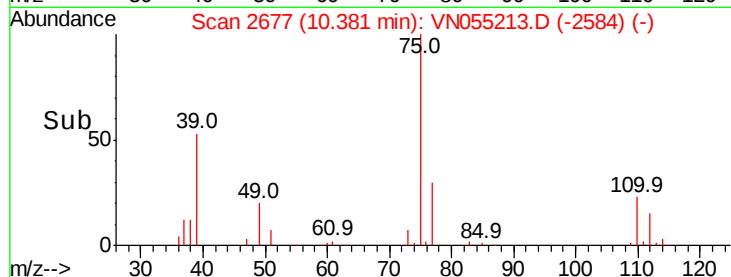
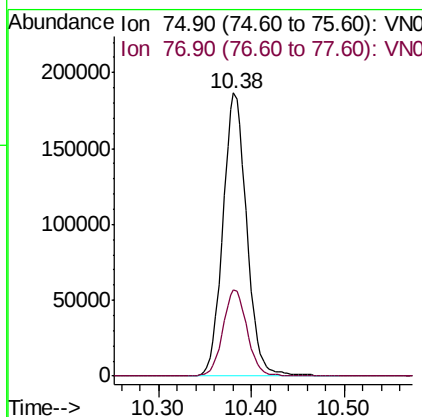
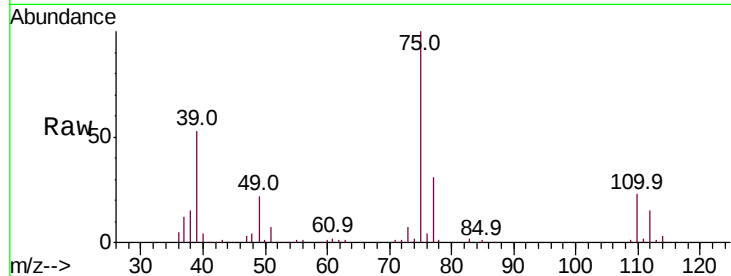
#53
t-1,3-Dichloropropene
Concen: 57.094 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 331498
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7

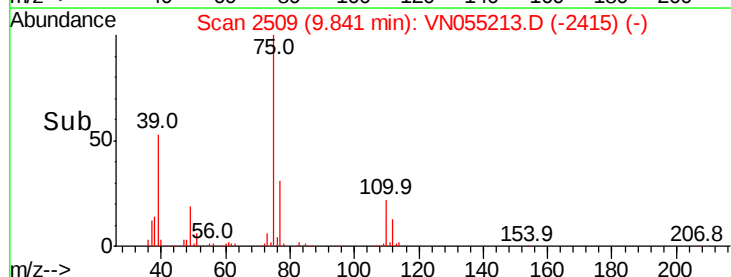
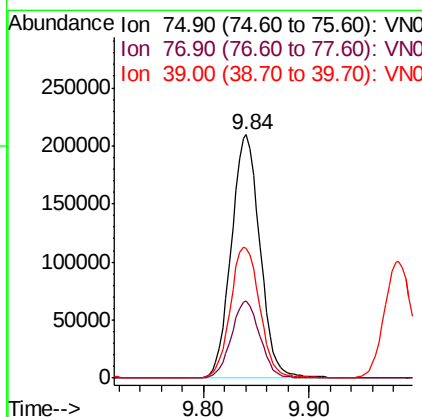
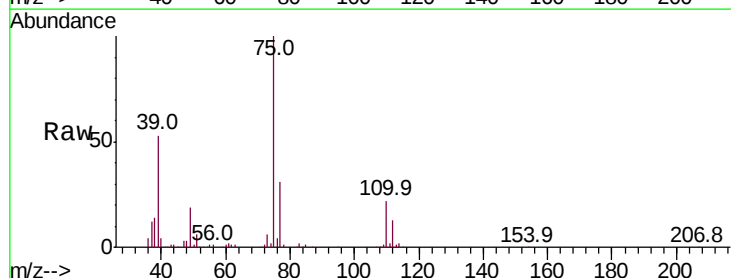
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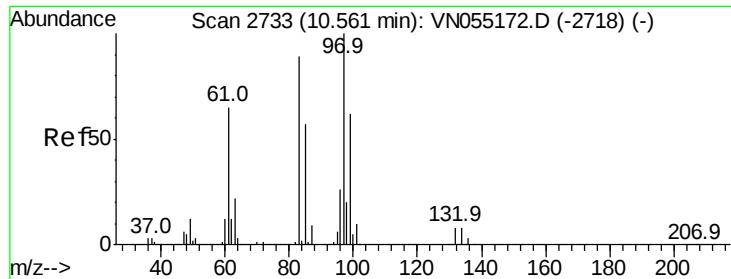
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#54
cis-1,3-Dichloropropene
Concen: 54.828 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion: 75 Resp: 395047
Ion Ratio Lower Upper
75 100
77 31.5 24.3 36.5
39 53.3 43.0 64.4





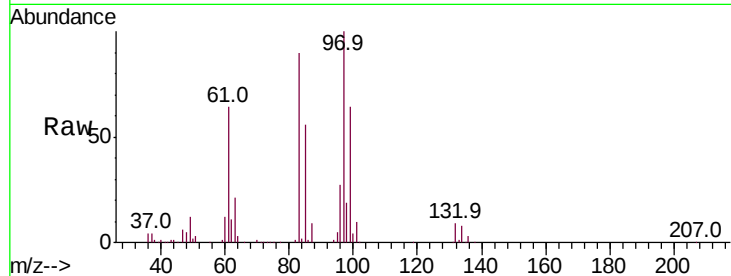
#55
 1,1,2-Trichloroethane
 Concen: 52.783 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	223116
Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.5	107.3
85	56.4	45.8	68.6
99	63.3	49.9	74.9

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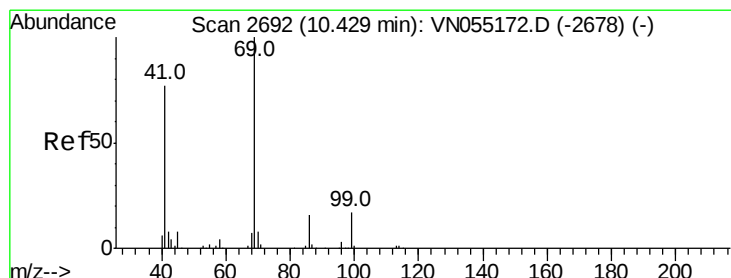
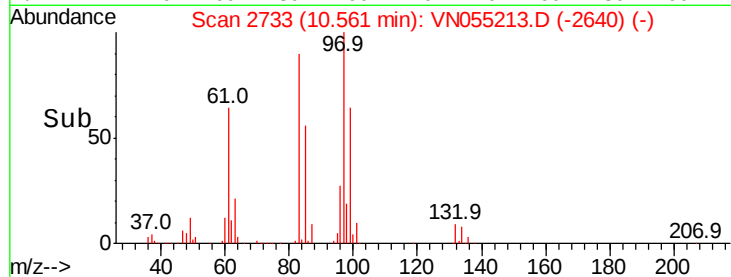
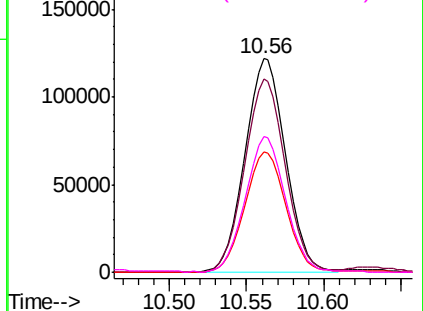
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

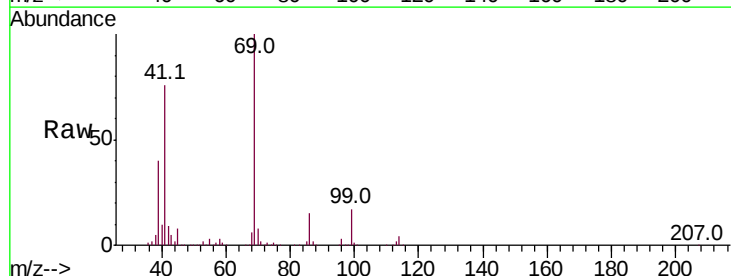
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 61.808 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion:	69	Resp:	325471
Ion	Ratio	Lower	Upper
69	100		
41	74.7	60.6	90.8
39	39.4	31.7	47.5

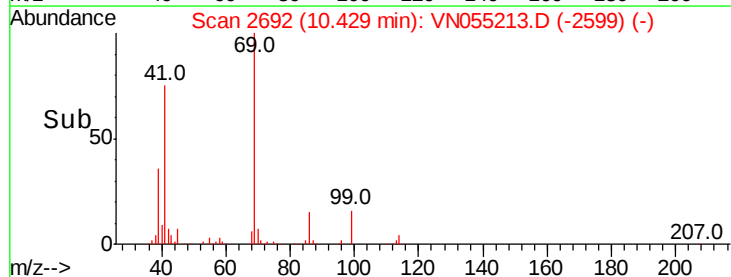
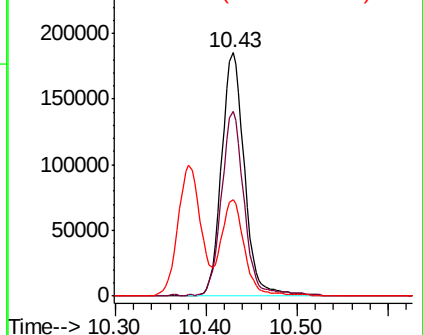


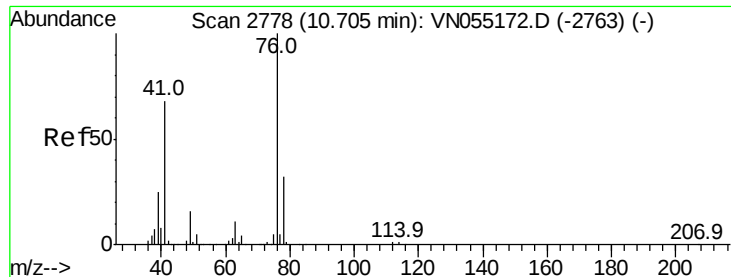
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 53.856 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 396083

Ion Ratio Lower Upper

76 100

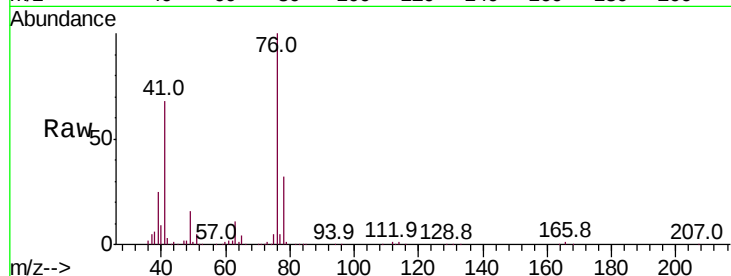
78 32.1 25.3 37.9

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Abundance Ion 75.90 (75.60 to 76.60): VN055213.D (-2685) (-)

Ion 77.90 (77.60 to 78.60): VN055213.D (-2685) (-)

10.71

250000

200000

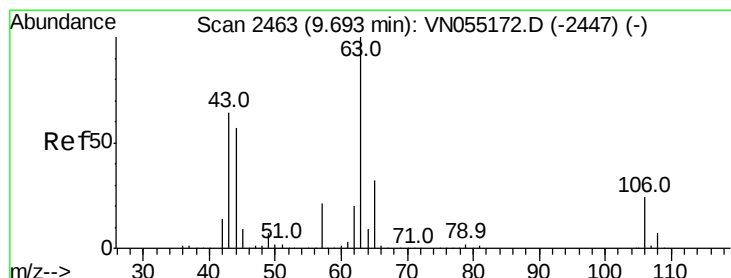
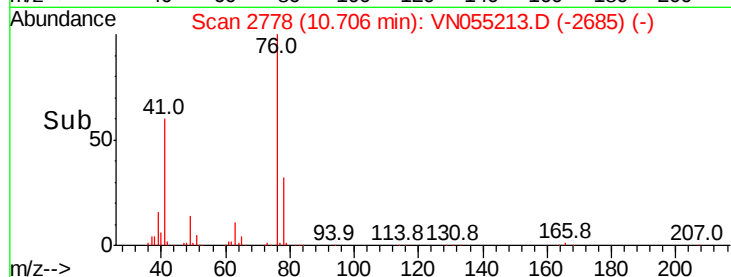
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 249.327 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055213.D

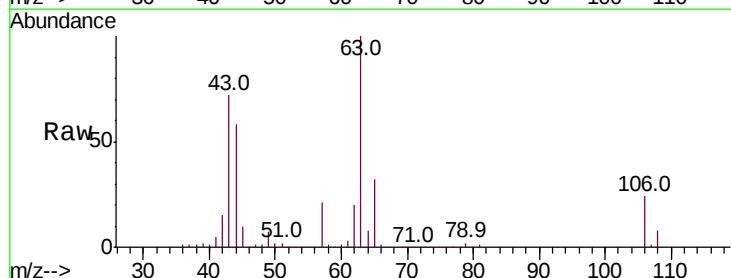
Acq: 23 Apr 2019 18:11

Tgt Ion: 63 Resp: 505831

Ion Ratio Lower Upper

63 100

106 24.2 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN055213.D (-2369) (-)

Ion 105.90 (105.60 to 106.60): VN055213.D (-2369) (-)

9.70

300000

250000

200000

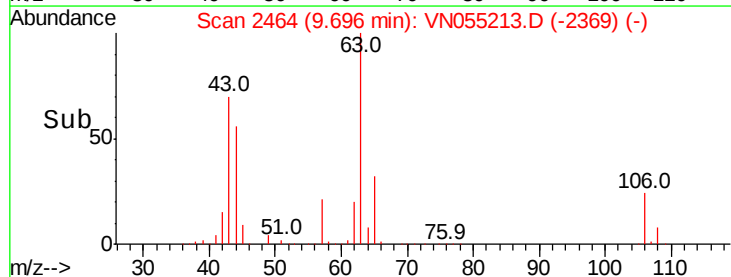
150000

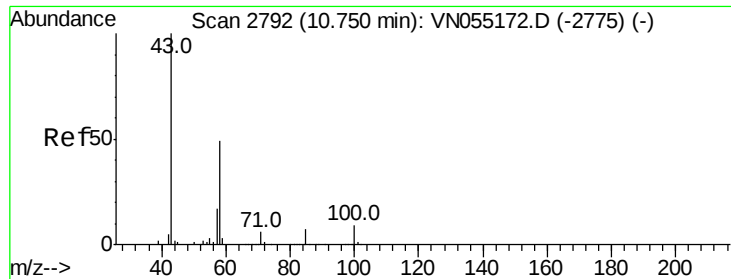
100000

50000

0

Time-->





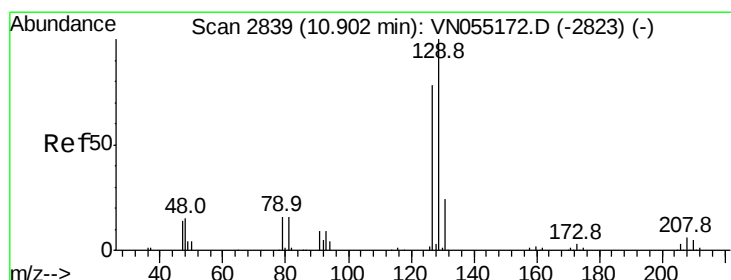
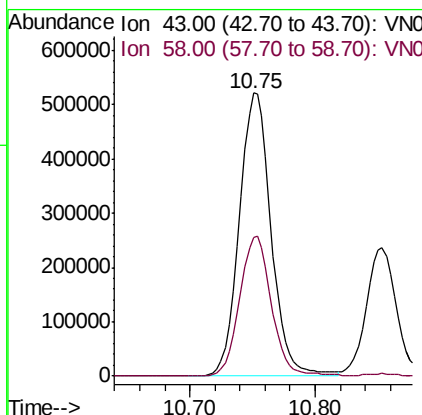
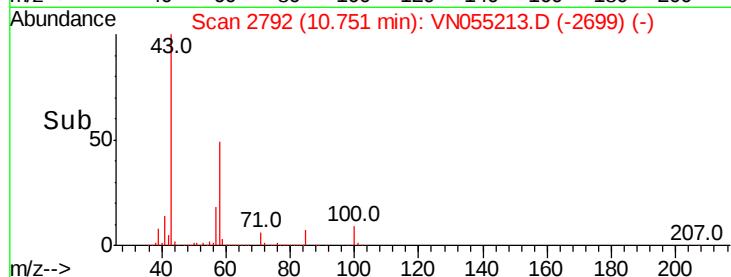
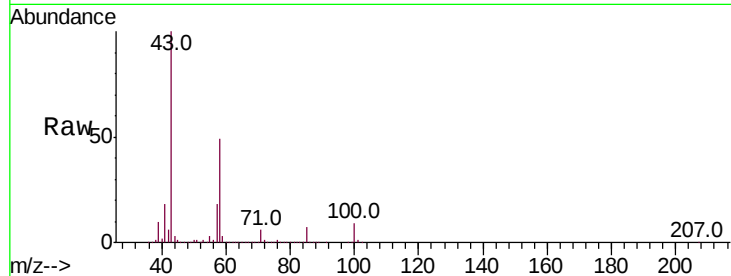
#59
2-Hexanone
Concen: 304.749 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 917145
Ion Ratio Lower Upper
43 100
58 49.4 24.5 73.5

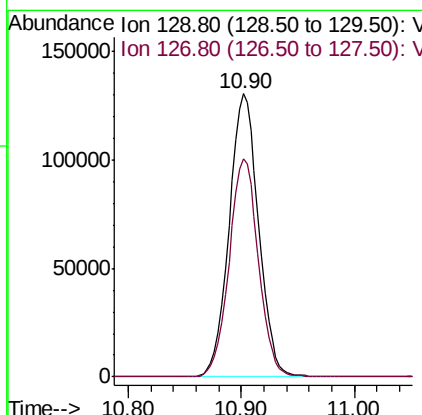
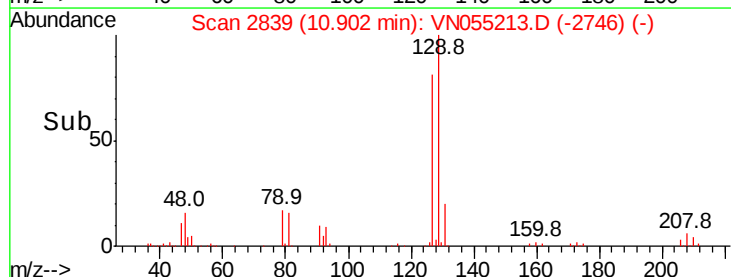
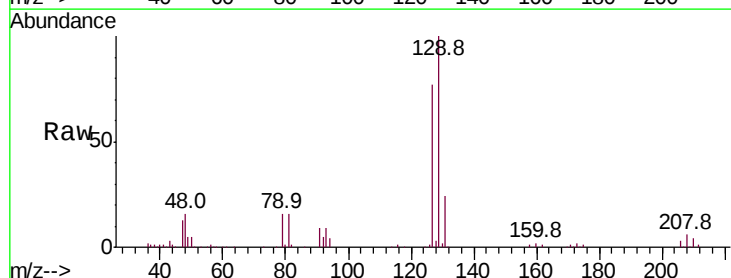
Manual Integrations
APPROVED

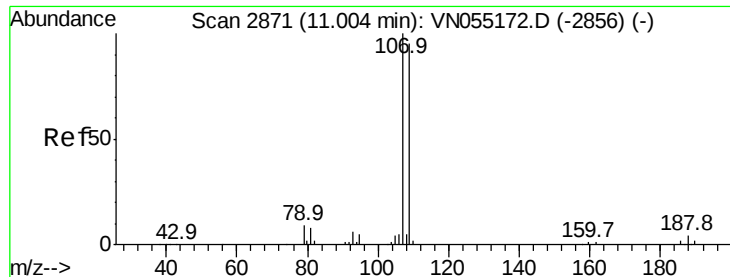
MMDadoda
4/24/2019 12:44:43 PM



#60
Dibromochloromethane
Concen: 54.200 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion: 129 Resp: 235984
Ion Ratio Lower Upper
129 100
127 76.5 39.0 117.0





#61

1,2-Dibromoethane

Concen: 55.799 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 221761

Ion Ratio Lower Upper

107 100

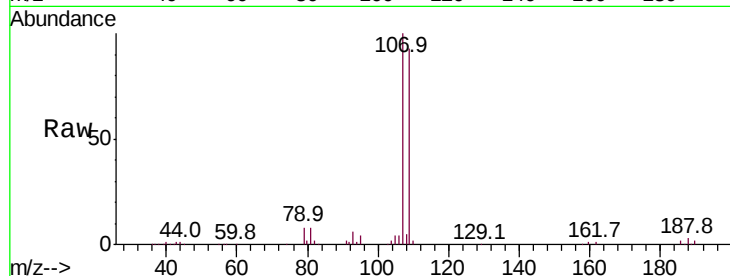
109 94.3 75.8 113.6

Manual Integrations

APPROVED

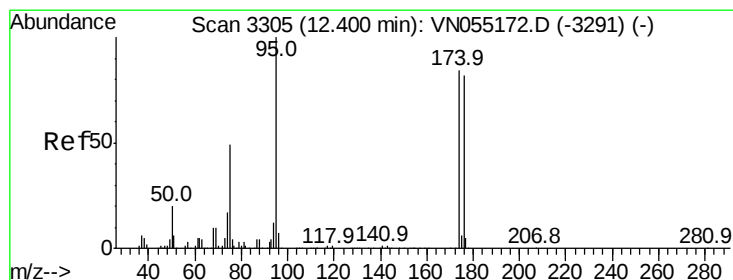
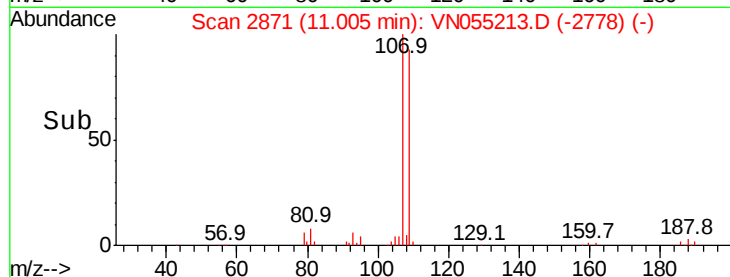
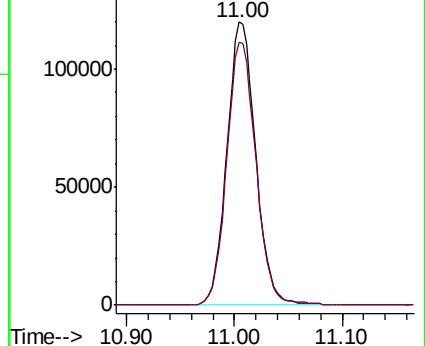
MMDadoda

4/24/2019 12:44:43 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.506 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

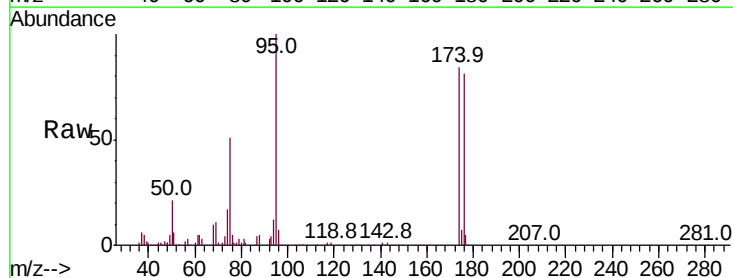
Tgt Ion: 95 Resp: 280251

Ion Ratio Lower Upper

95 100

174 85.3 0.0 168.4

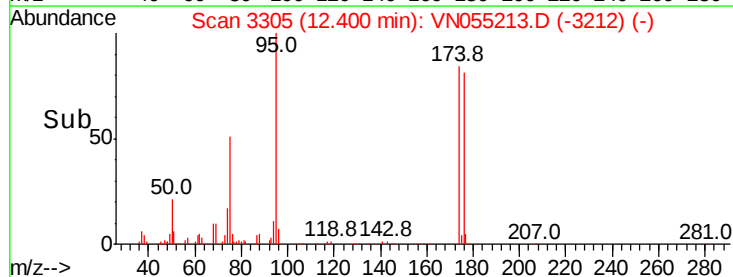
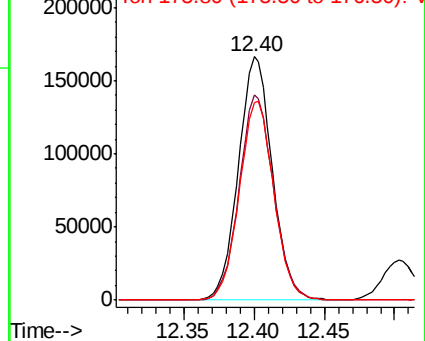
176 83.2 0.0 164.0

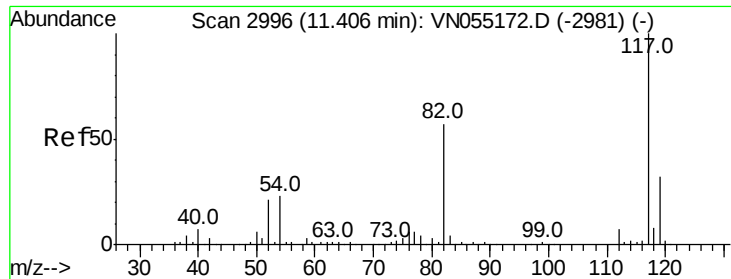


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





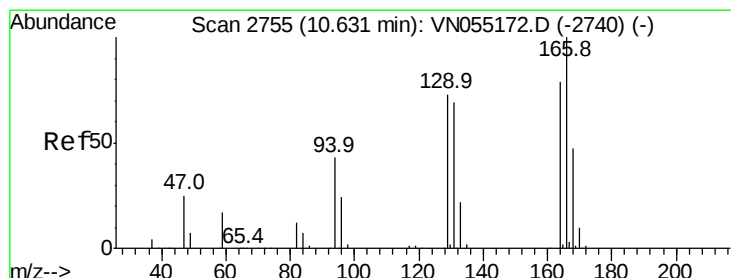
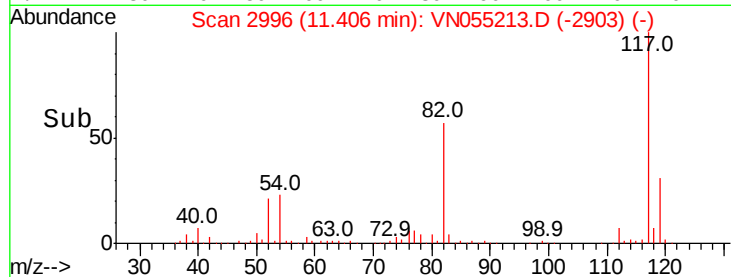
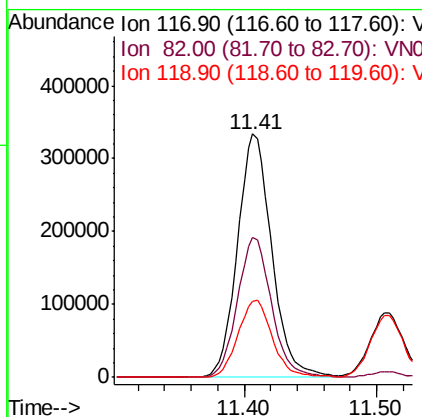
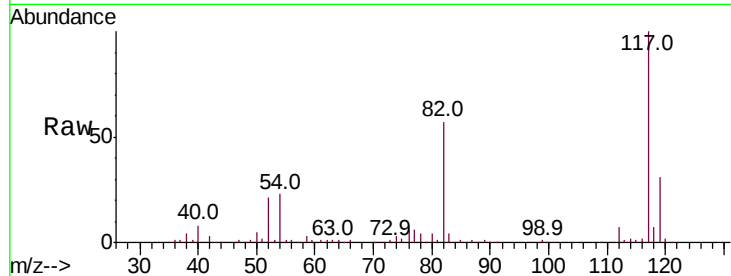
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.7	68.5
119	31.4	25.4	38.2

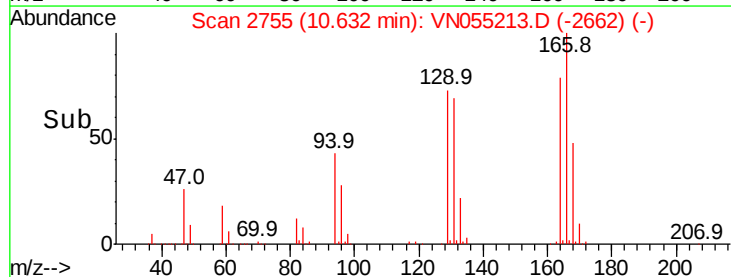
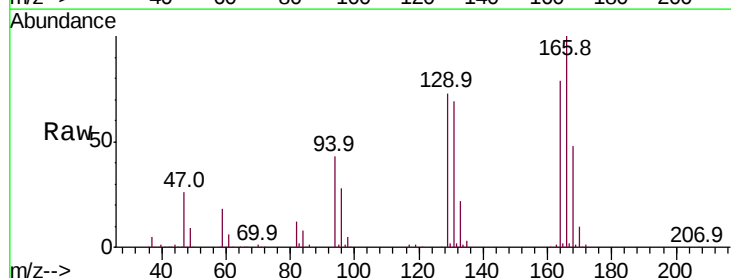
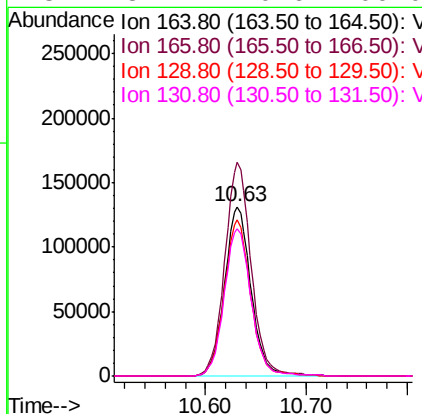
Manual Integrations
APPROVED

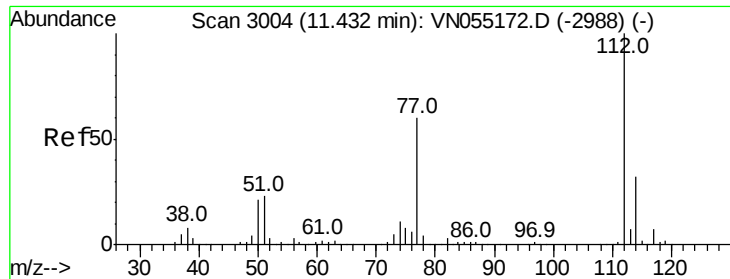
MMDadoda
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#64
Tetrachloroethene
Concen: 49.092 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.9	152.9
129	91.9	74.1	111.1
131	87.2	70.6	106.0





#65

Chlorobenzene

Concen: 48.294 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 592186

Ion Ratio Lower Upper

112 100

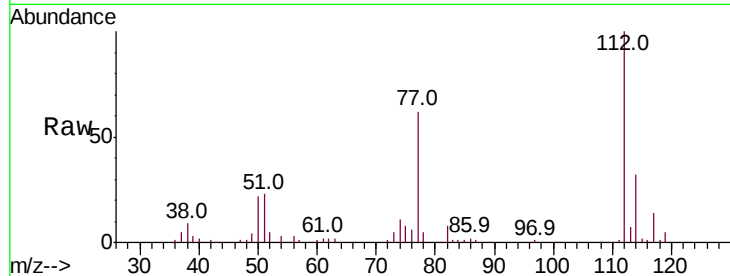
114 32.1 25.4 38.0

Manual Integrations

APPROVED

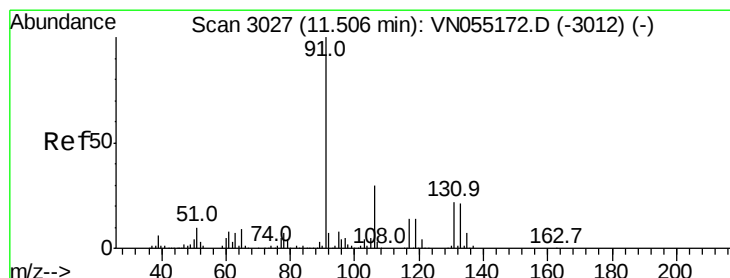
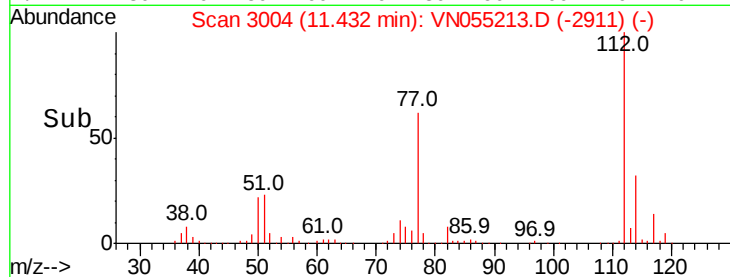
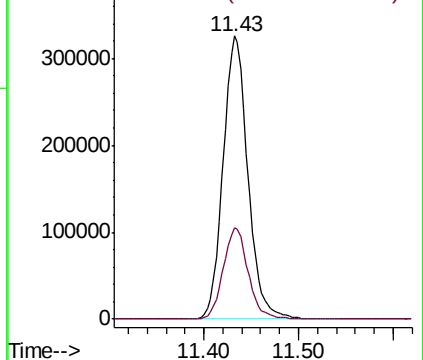
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.166 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

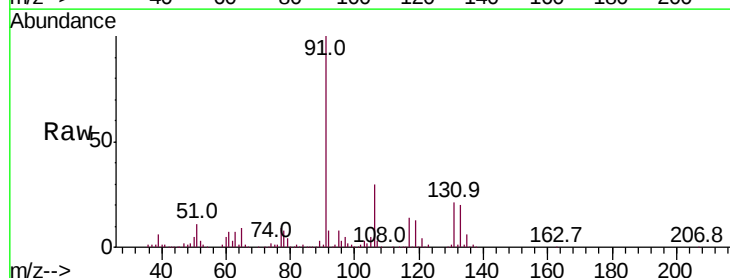
Tgt Ion:131 Resp: 227991

Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

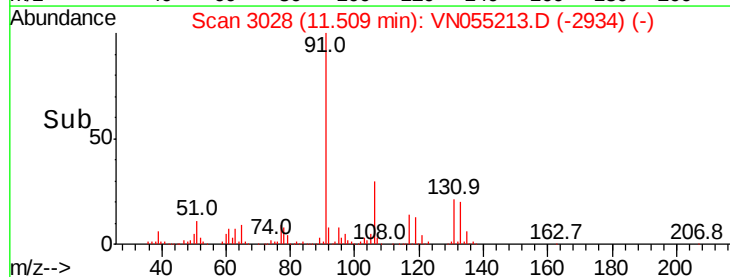
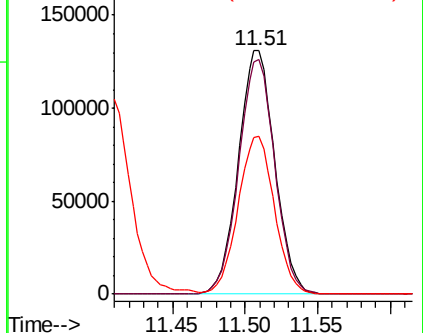
119 64.9 33.2 99.6

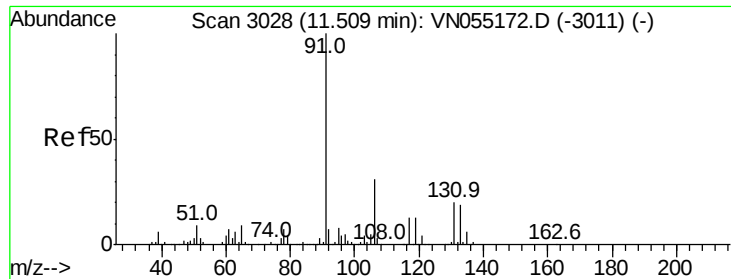


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





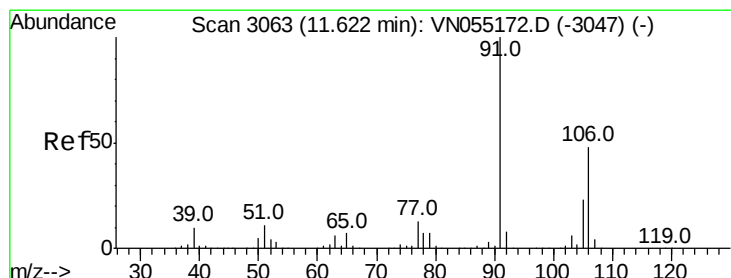
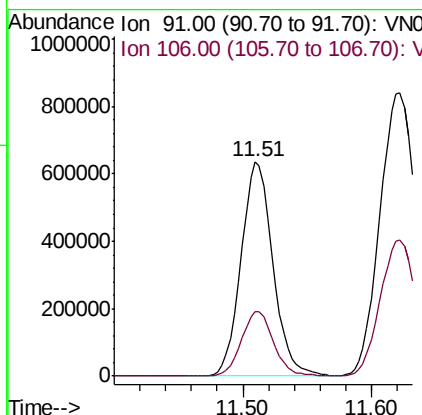
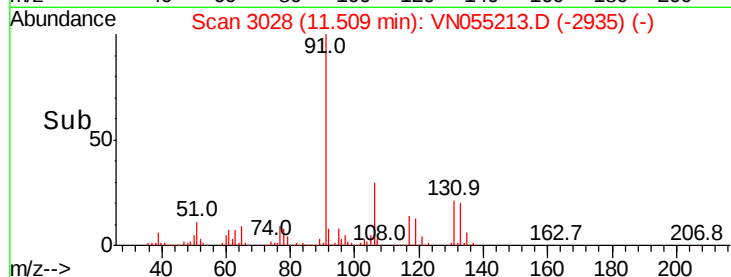
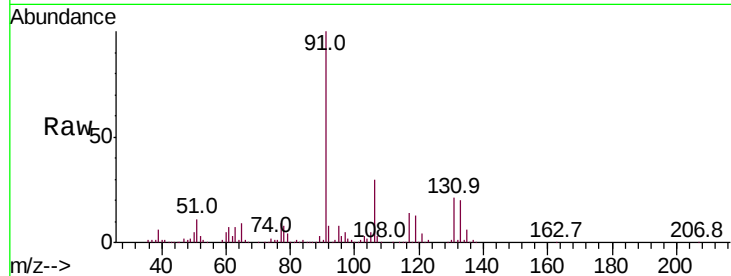
#67
Ethyl Benzene
Concen: 50.150 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1095411
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7

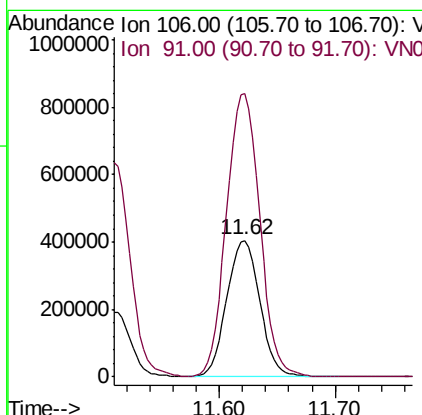
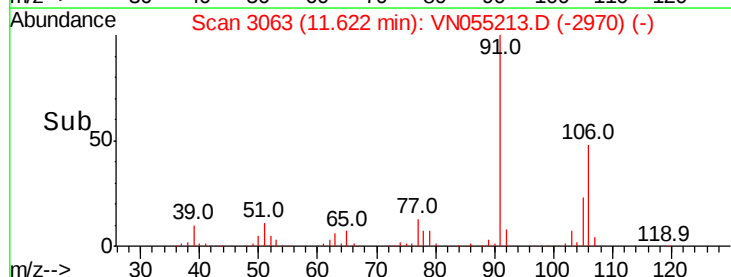
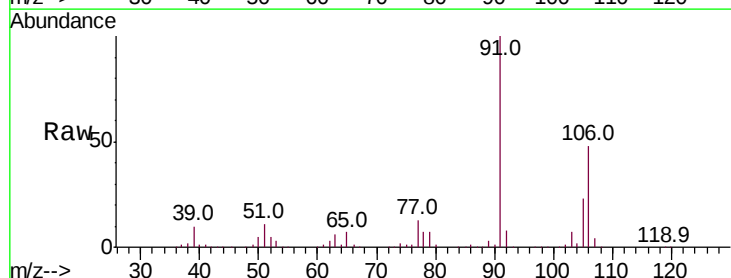
Manual Integrations
APPROVED

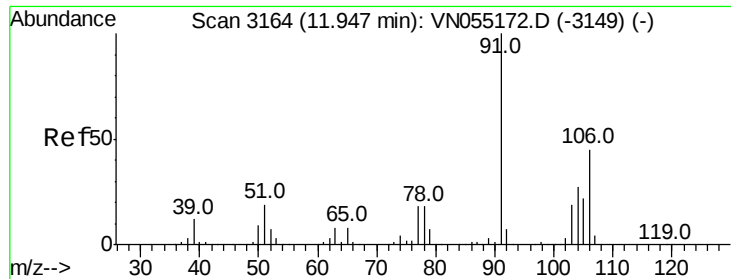
MMDadoda
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#68
m/p-Xylenes
Concen: 102.009 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion: 106 Resp: 799149
Ion Ratio Lower Upper
106 100
91 210.0 167.1 250.7





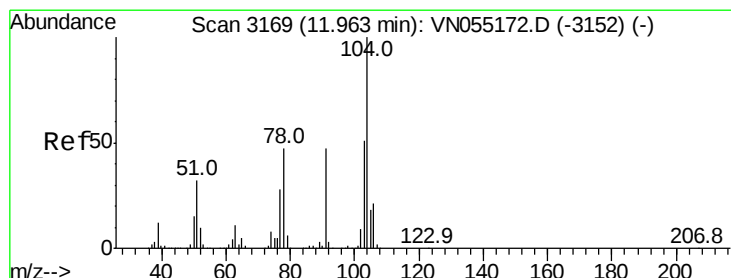
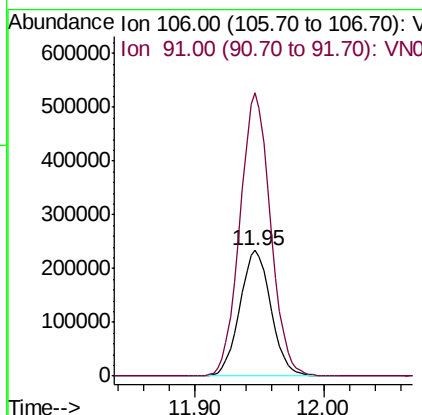
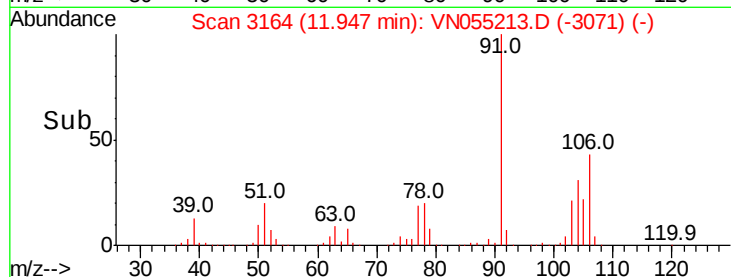
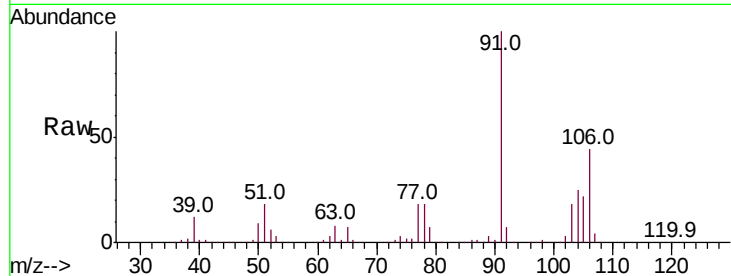
#69
o-Xylene
Concen: 50.686 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 394065
Ion Ratio Lower Upper
106 100
91 221.0 110.6 331.8

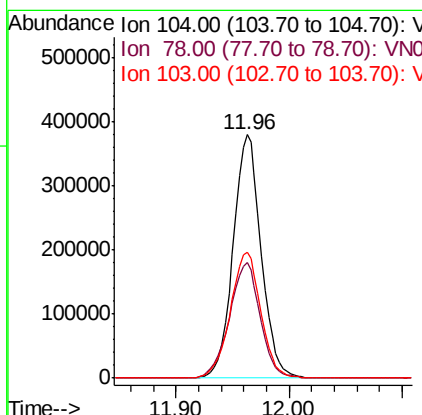
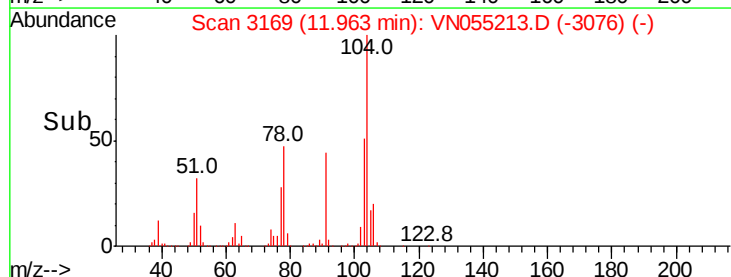
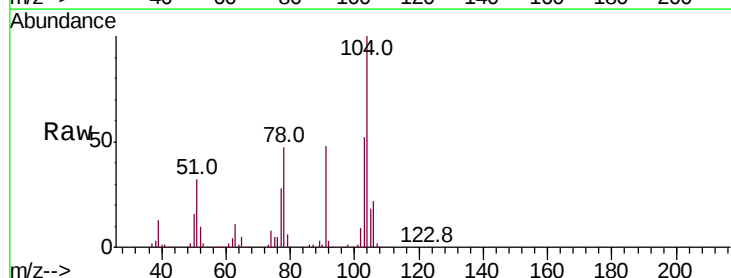
Manual Integrations
APPROVED

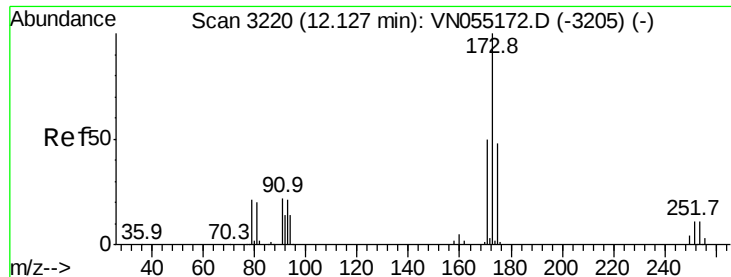
MMDadoda
4/24/2019 12:44:43 PM



#70
Styrene
Concen: 54.137 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion:104 Resp: 652416
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 56.3 44.2 66.4





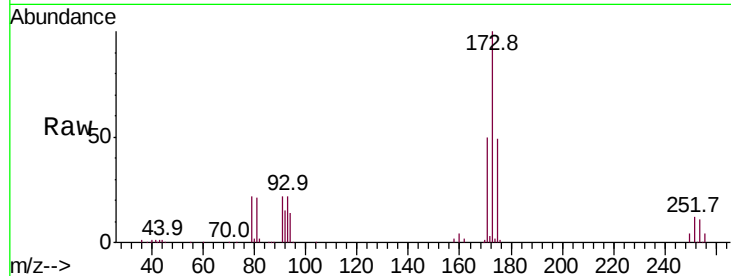
#71
Bromoform
Concen: 56.095 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

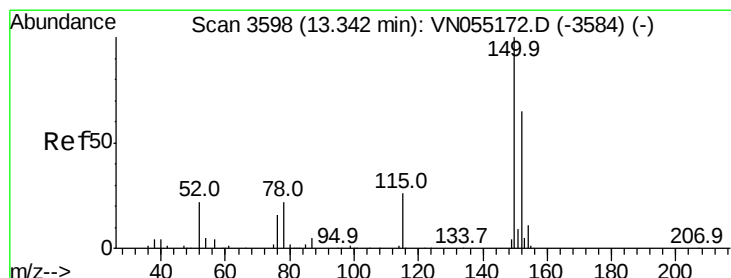
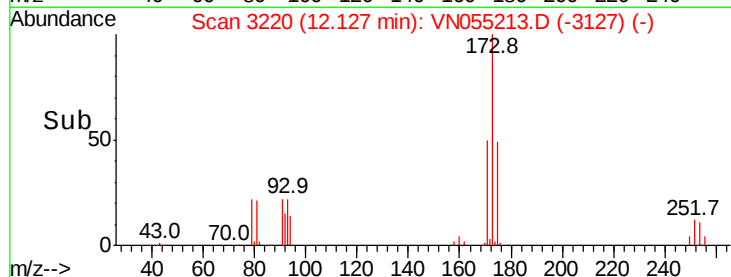
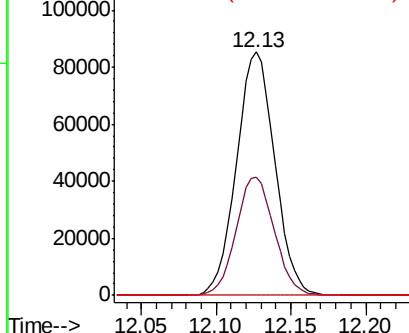
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.8	71.2
254	0.1	0.1	0.1#

Manual Integrations
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4/24/2019 12:44:43 PM

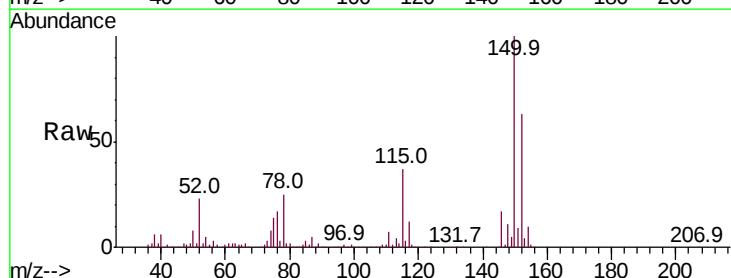


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

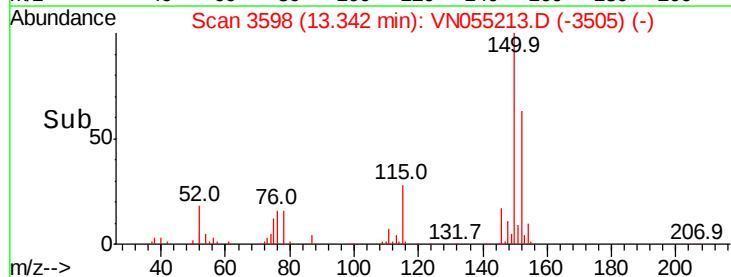
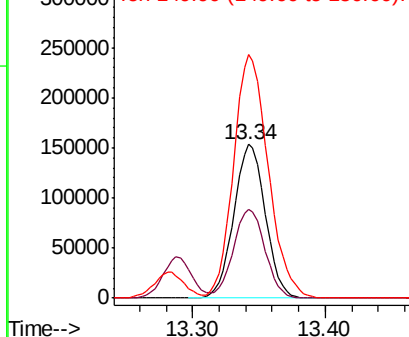


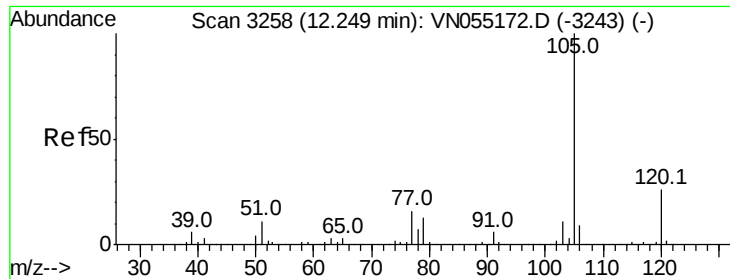
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.7
150	174.8	0.0	346.6



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





#73

Isopropylbenzene

Concen: 51.780 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1047661

Ion Ratio Lower Upper

105 100

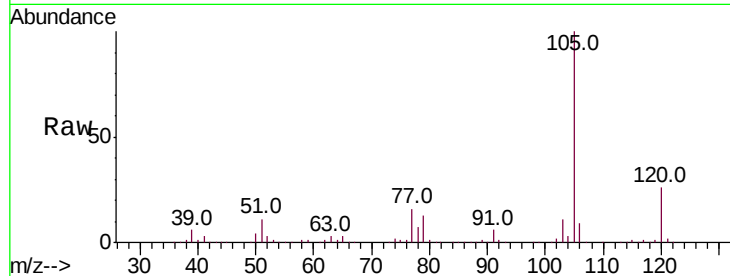
120 26.0 13.1 39.1

Manual Integrations

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MMDadoda

4/24/2019 12:44:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

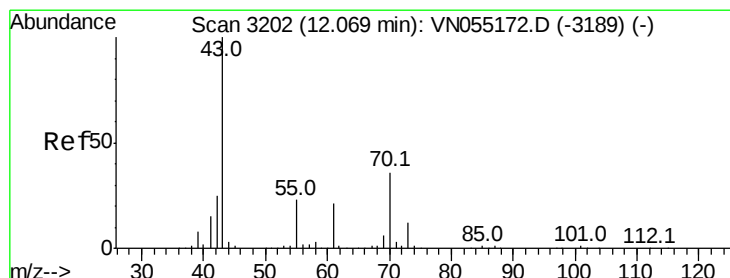
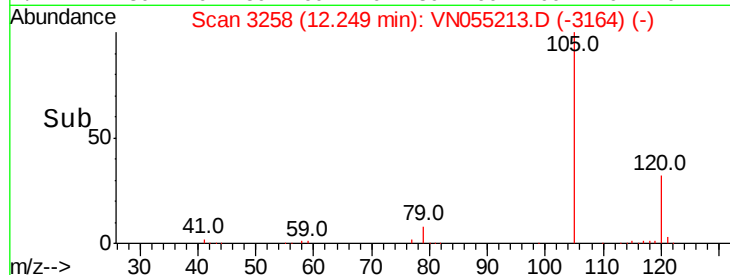
600000

400000

200000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 59.440 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion: 43 Resp: 386488

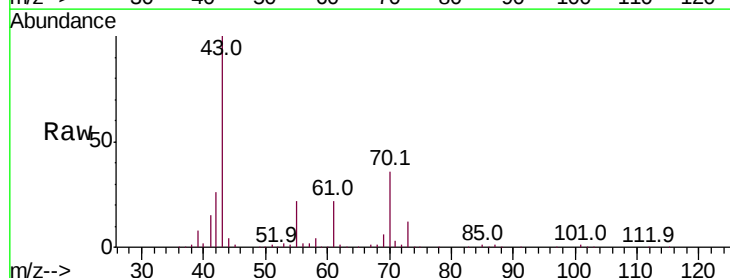
Ion Ratio Lower Upper

43 100

70 36.3 29.0 43.6

55 23.1 18.5 27.7

61 21.8 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

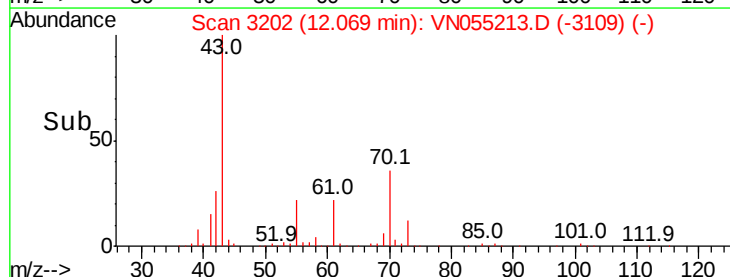
300000

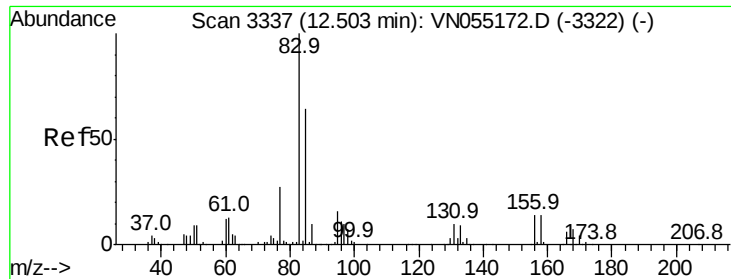
200000

100000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 56.814 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

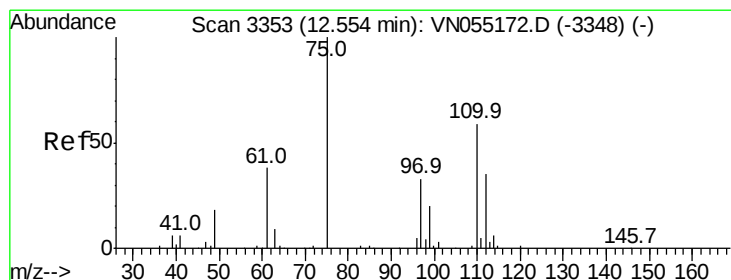
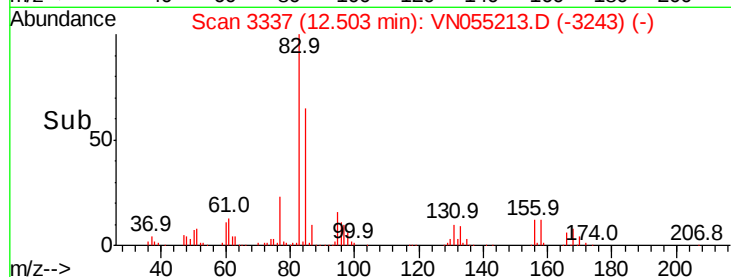
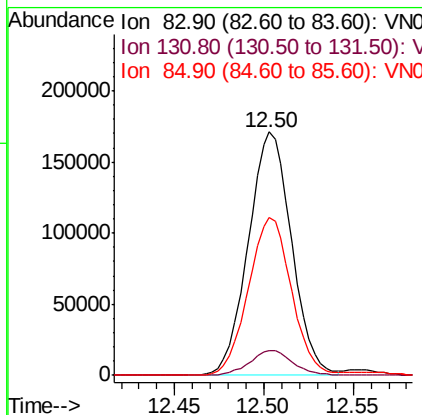
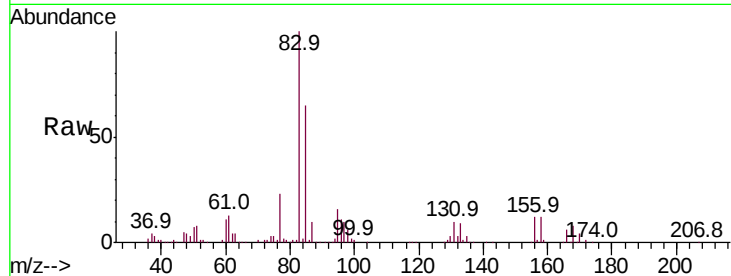
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	289653
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	64.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.248 ug/l m

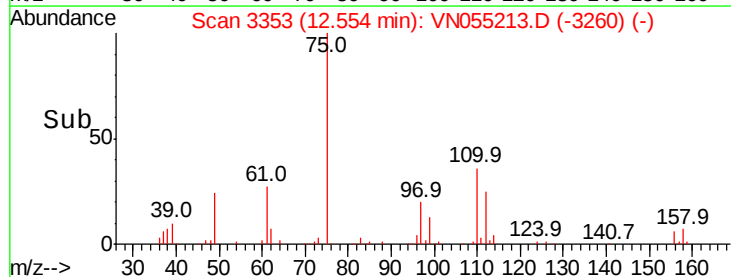
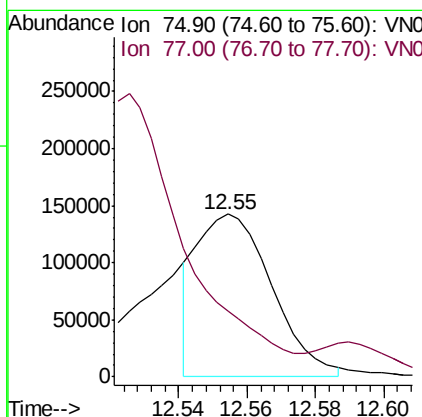
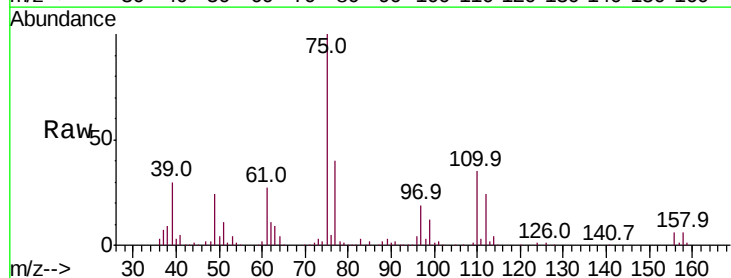
RT: 12.55 min Scan# 3353

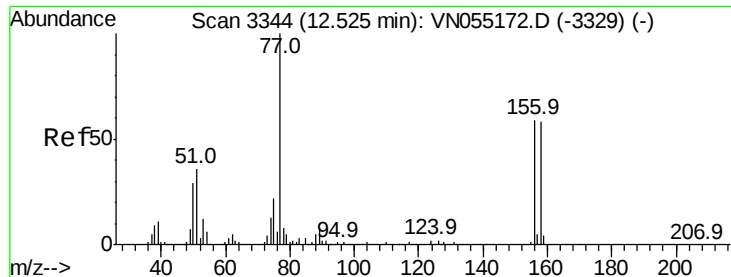
Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion:	75	Resp:	216155
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.268 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

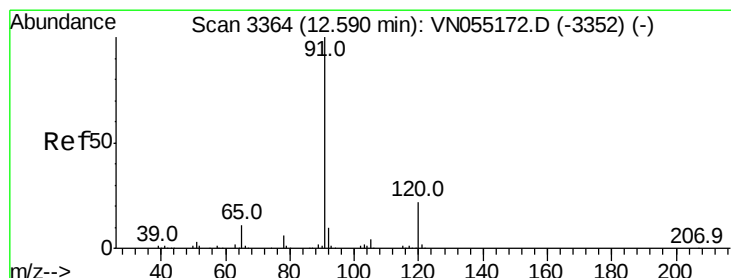
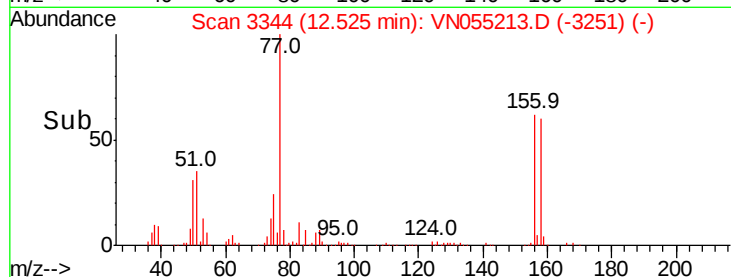
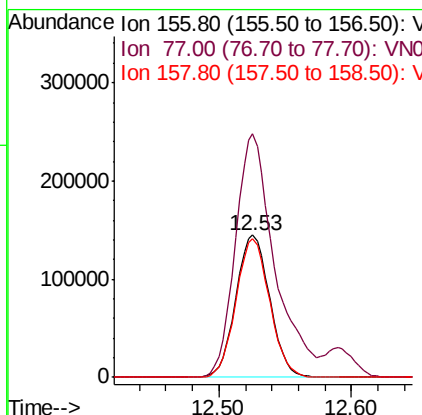
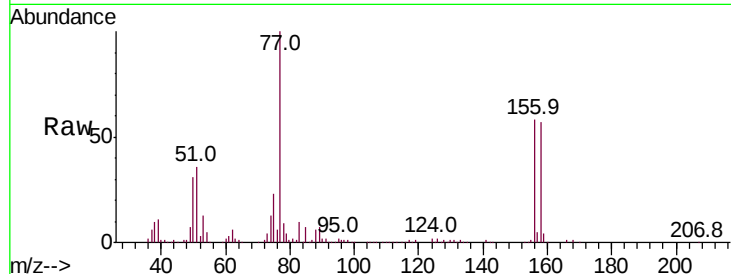
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	257600
Ion Ratio	Lower	Upper	
156	100		
77	197.9	98.0	293.9
158	96.4	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.919 ug/l

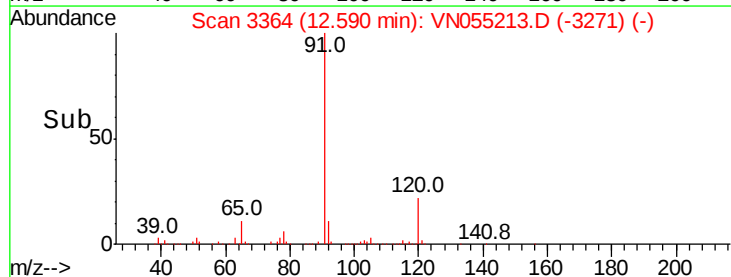
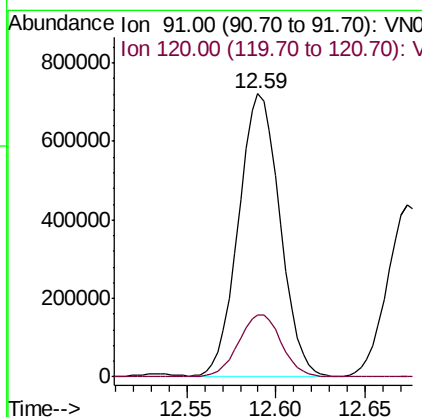
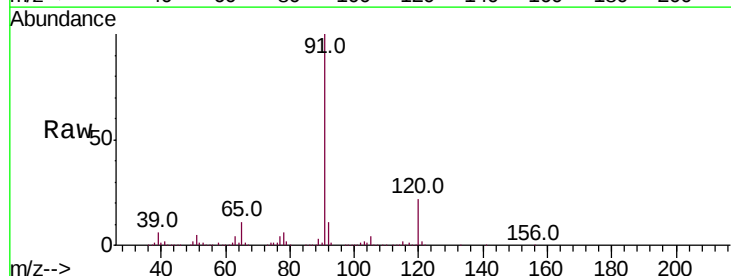
RT: 12.59 min Scan# 3364

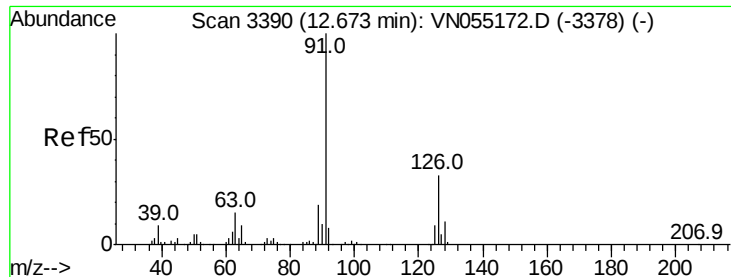
Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion:	91	Resp:	1161372
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9





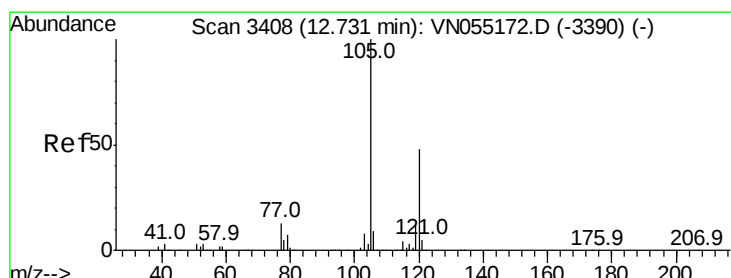
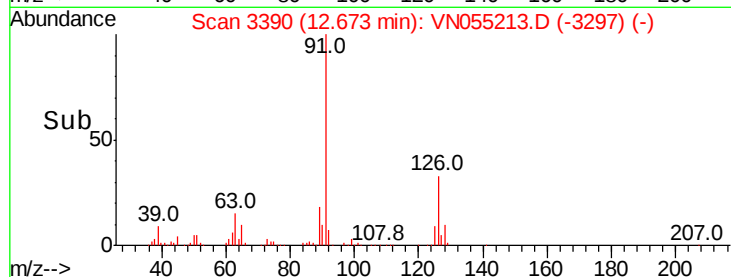
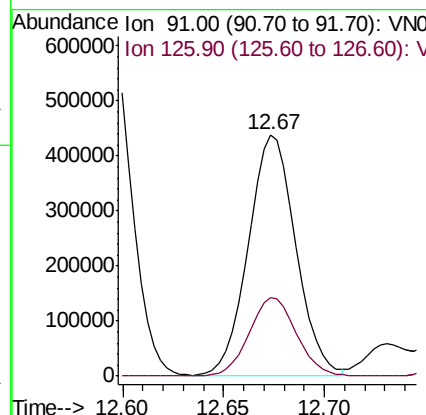
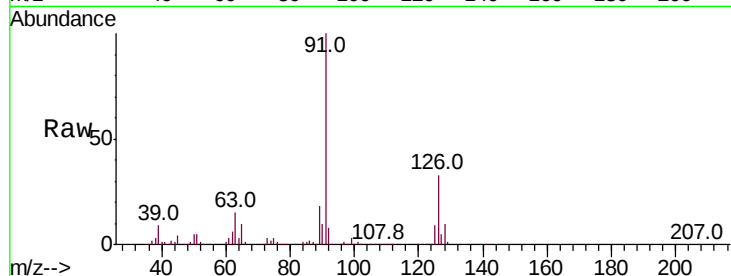
#79
 2-Chlorotoluene
 Concen: 44.966 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.8	50.3

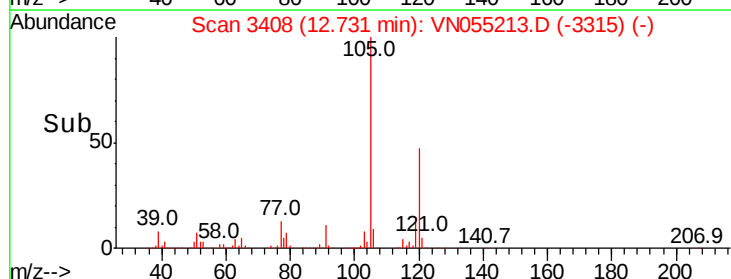
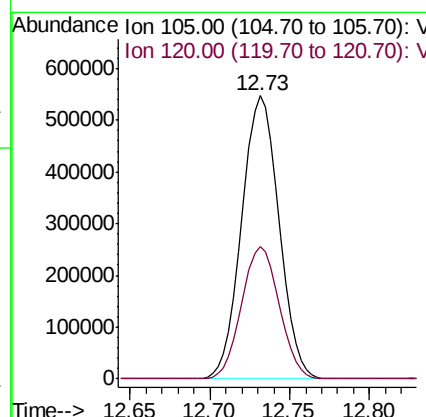
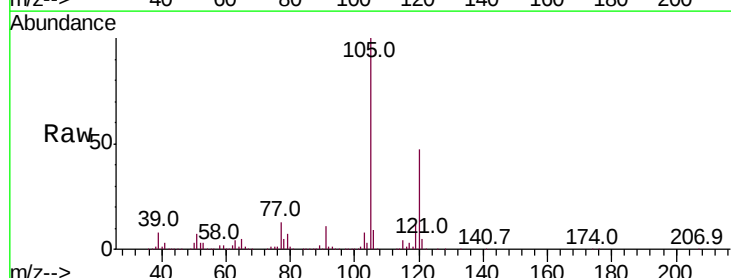
Manual Integrations
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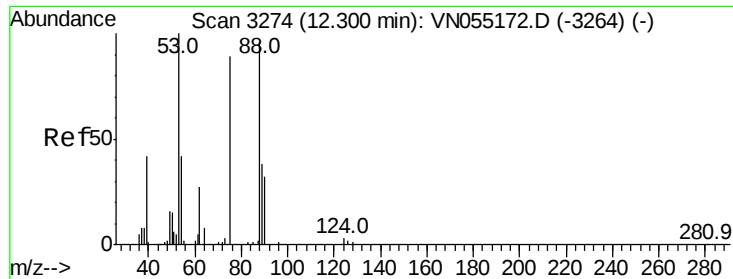
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.041 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.9	71.7





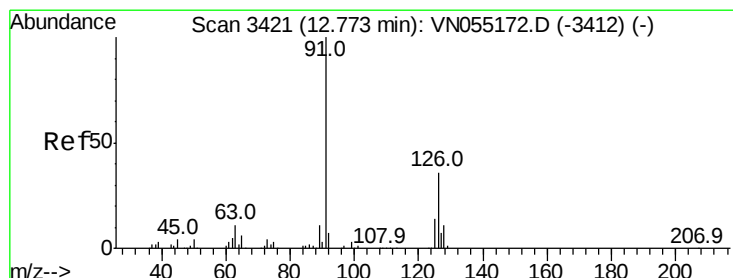
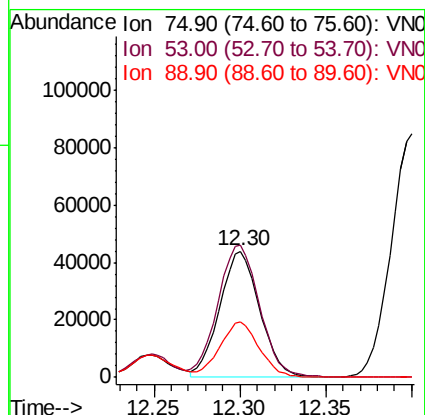
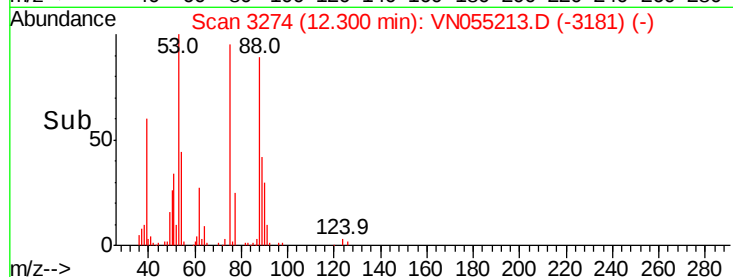
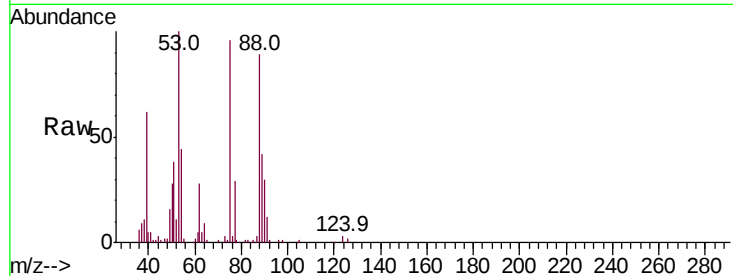
#81
trans-1,4-Dichloro-2-butene
Concen: 53.340 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.3	90.1	135.1
89	43.3	36.7	55.1

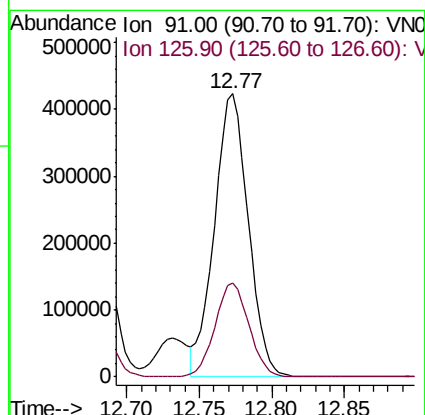
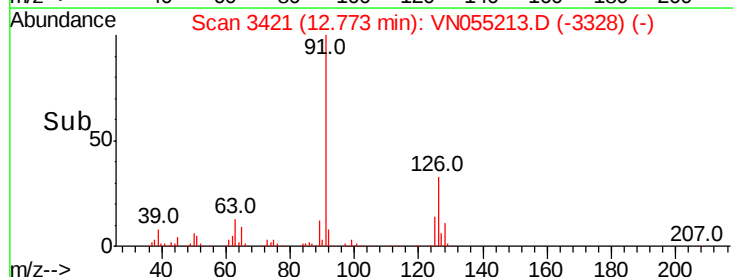
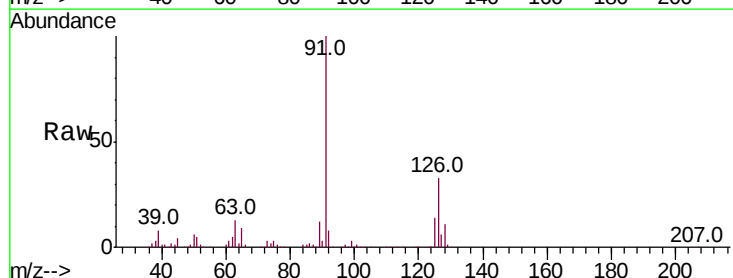
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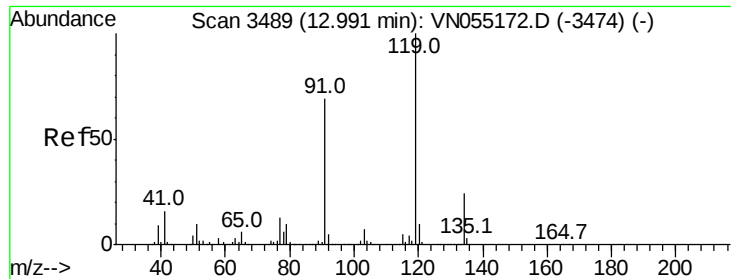
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#82
4-Chlorotoluene
Concen: 46.817 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.5	49.5





#83

tert-Butylbenzene

Concen: 51.616 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

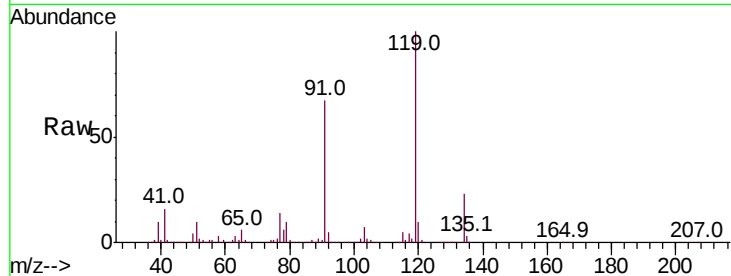
ClientSampleId :

VSTDCCC050EC

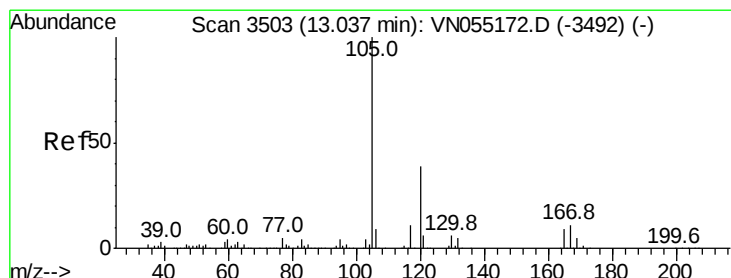
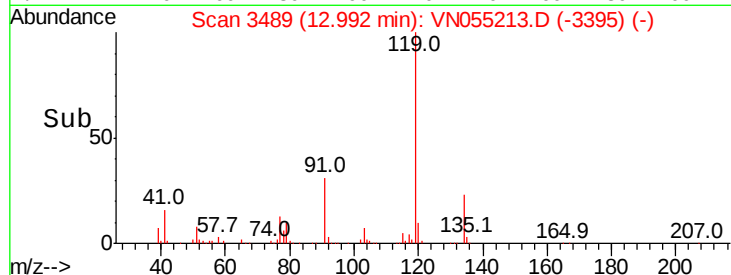
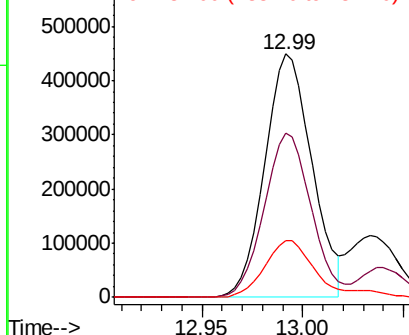
Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		731215		
91	66.9	33.8	101.3		
134	24.0	13.2	39.5		

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



#84

1,2,4-Trimethylbenzene

Concen: 47.881 ug/l

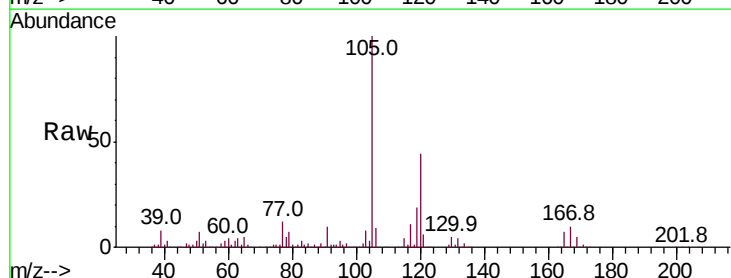
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

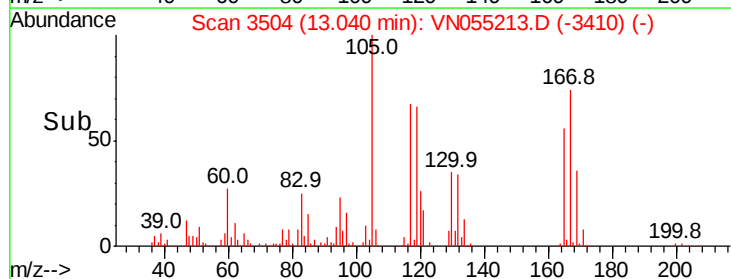
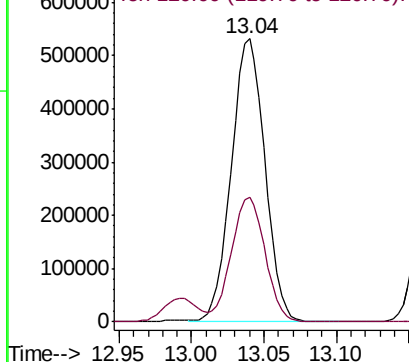
Lab File: VN055213.D

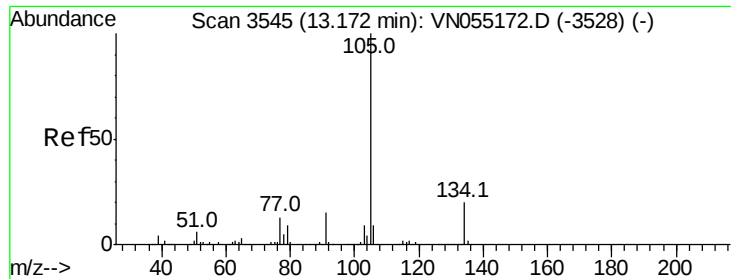
Acq: 23 Apr 2019 18:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		853061		
120	44.2	22.7	68.1		



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





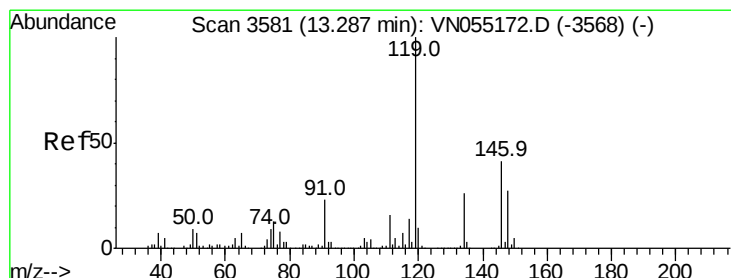
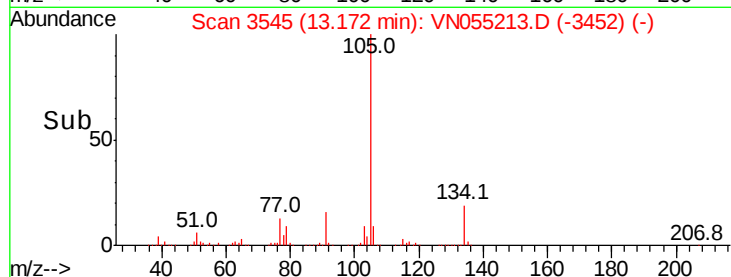
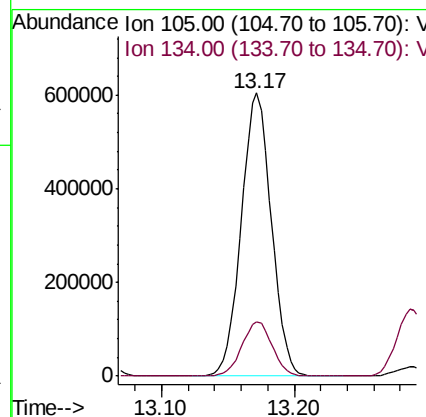
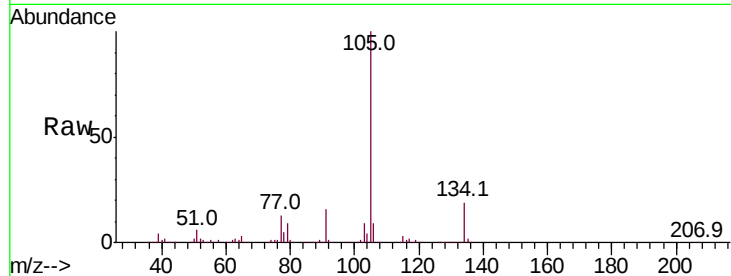
#85
 sec-Butylbenzene
 Concen: 44.501 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	10.0	30.0

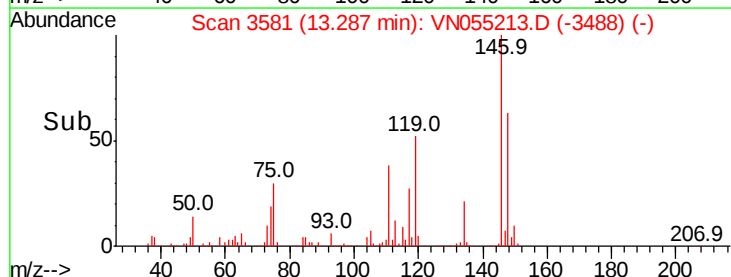
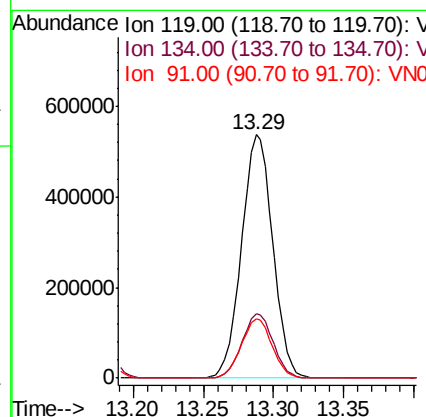
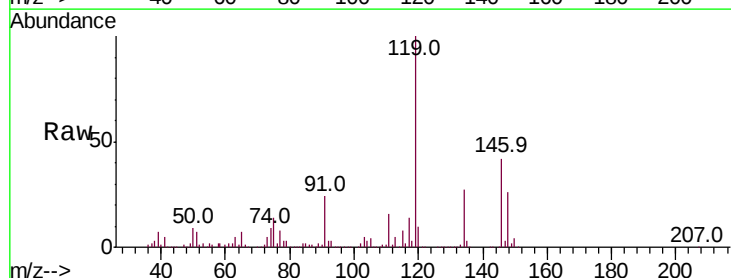
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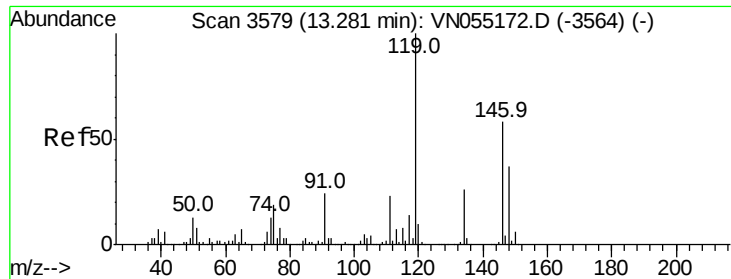
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#86
 p-Isopropyltoluene
 Concen: 47.227 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.1	39.3
91	24.0	11.8	35.3





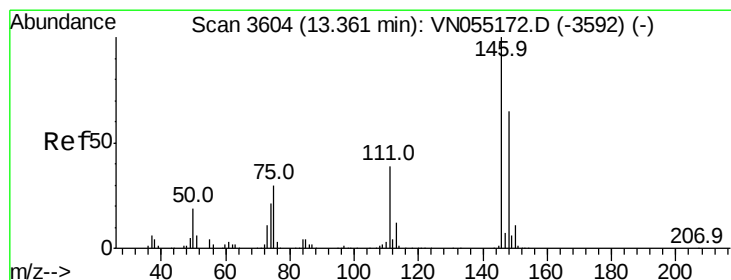
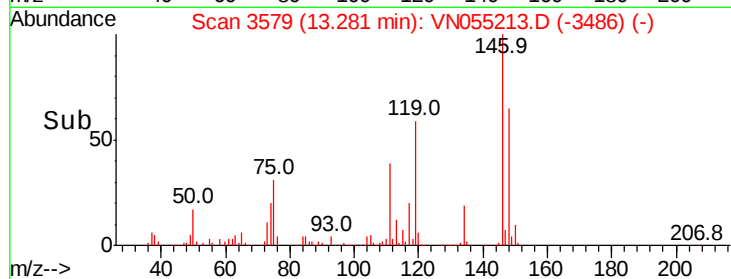
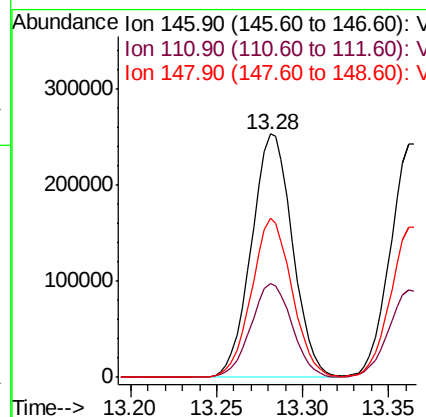
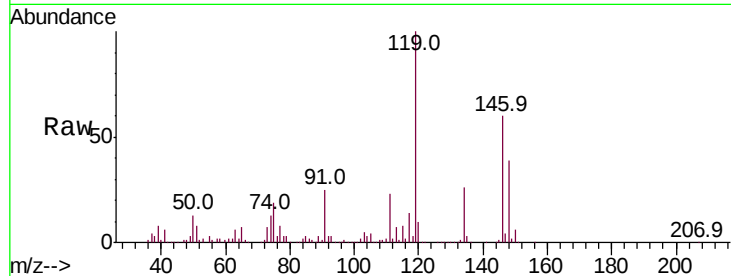
#87
 1,3-Dichlorobenzene
 Concen: 49.045 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.1	32.0	96.0

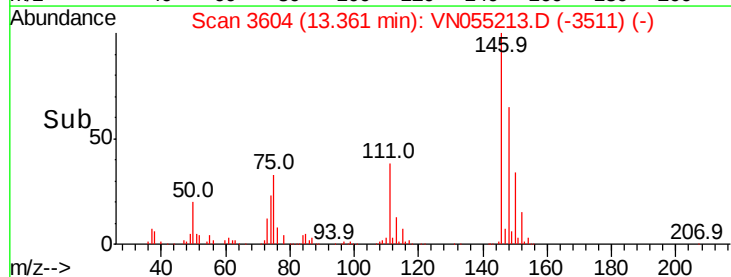
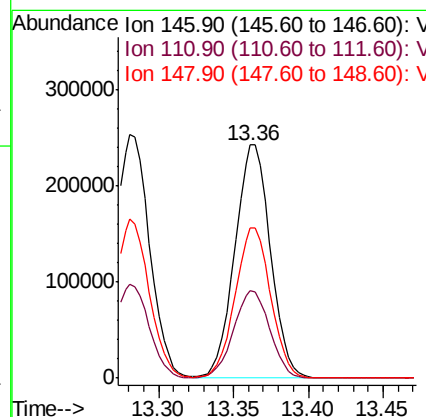
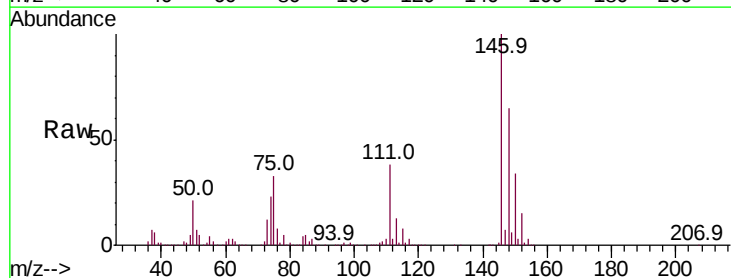
Manual Integrations
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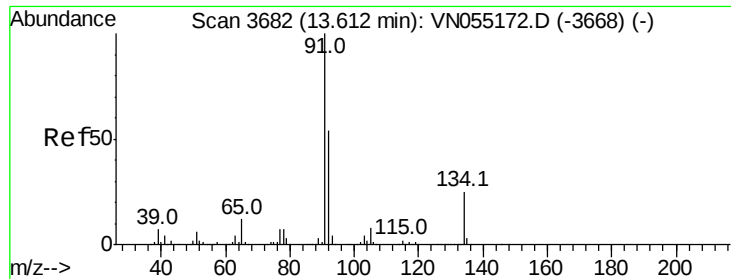
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#88
 1,4-Dichlorobenzene
 Concen: 48.315 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.5	32.9	98.6





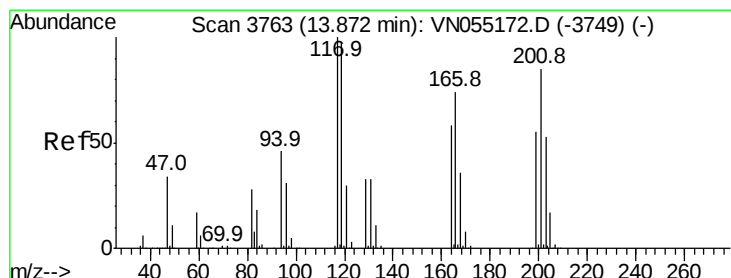
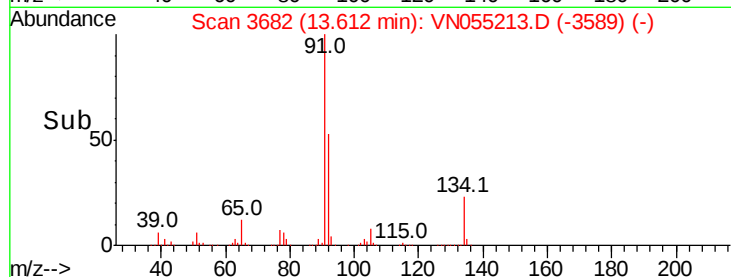
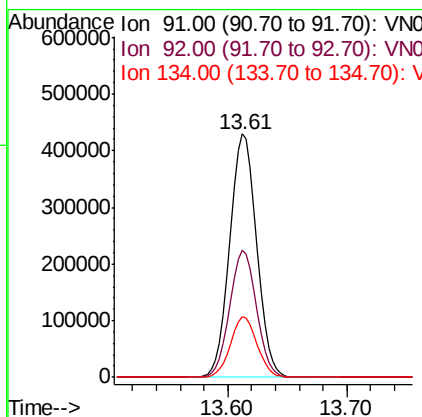
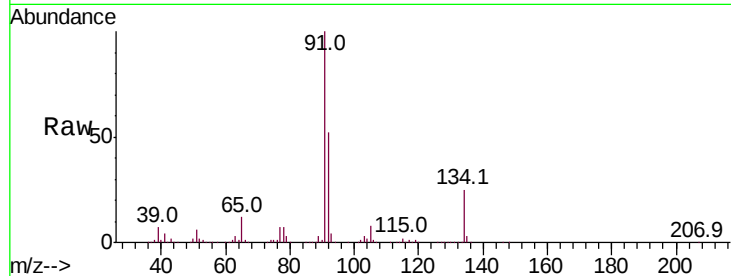
#89
n-Butylbenzene
Concen: 51.539 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.2
134	24.7	12.8	38.4

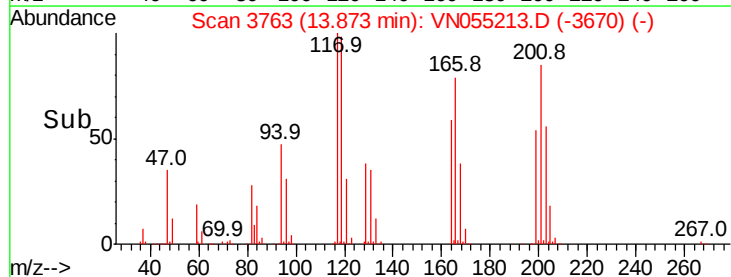
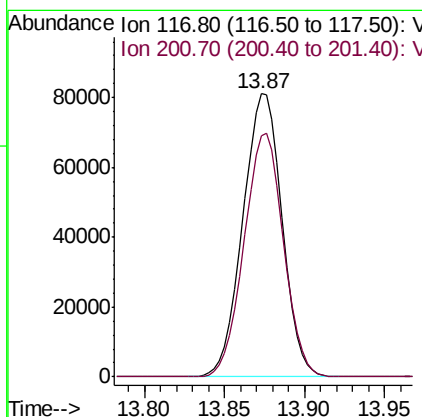
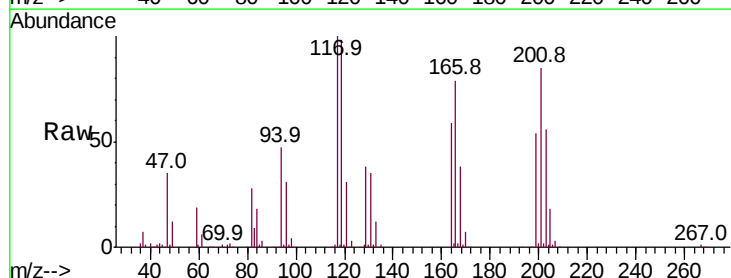
Manual Integrations
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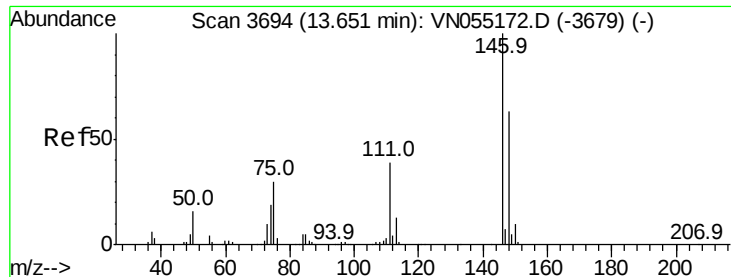
MMDadoda
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#90
Hexachloroethane
Concen: 43.650 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055213.D
Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	43.1	129.4





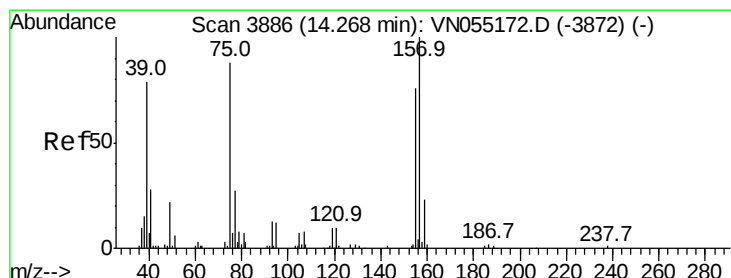
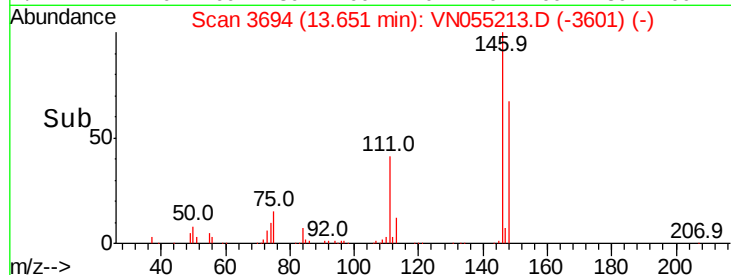
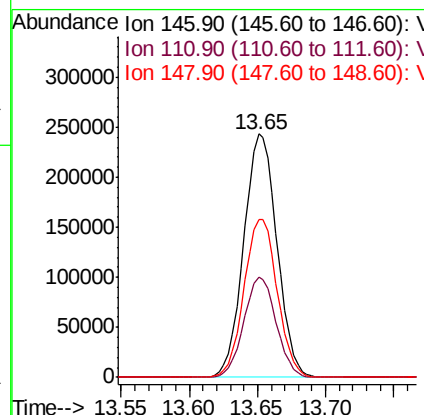
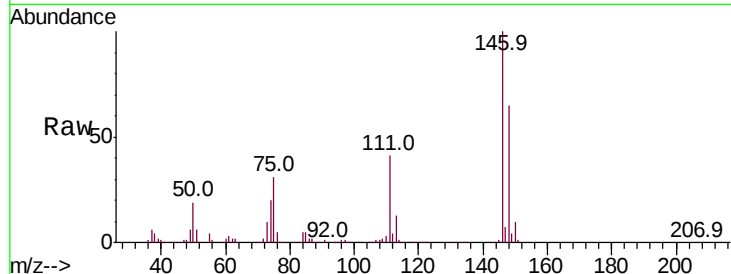
#91
 1,2-Dichlorobenzene
 Concen: 46.671 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.3
148	65.1	31.7	95.1

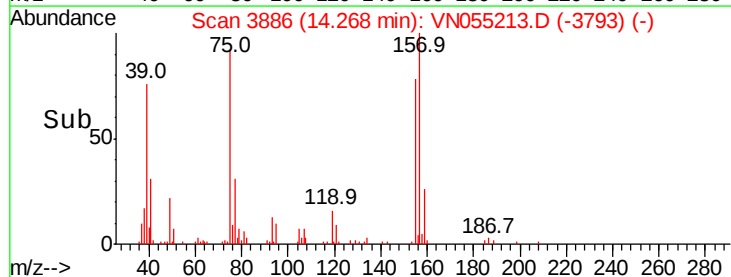
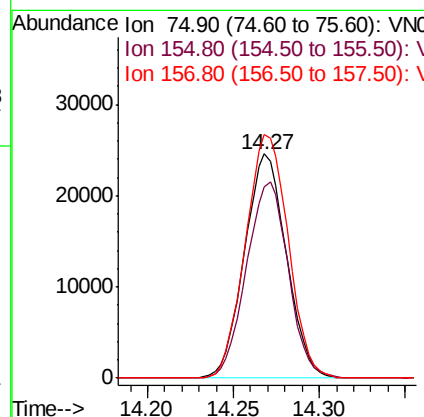
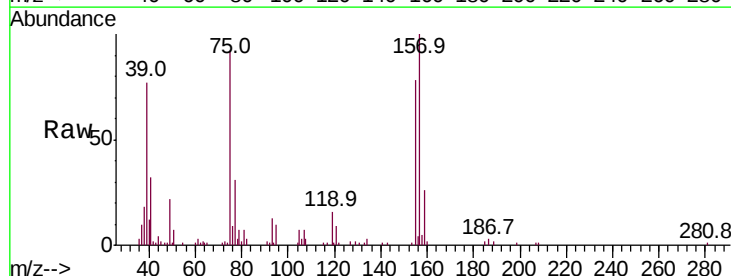
Manual Integrations
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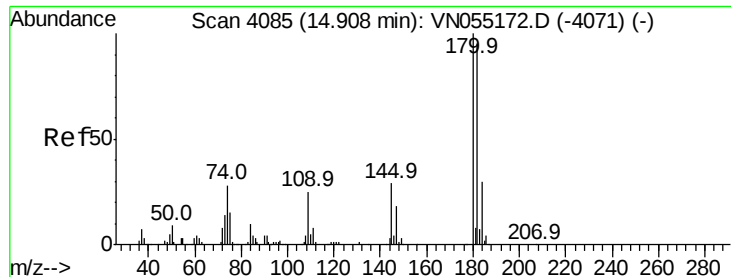
MMDadoda
 4/24/2019 12:44:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.281 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	43.0	129.0
157	110.6	55.7	167.1





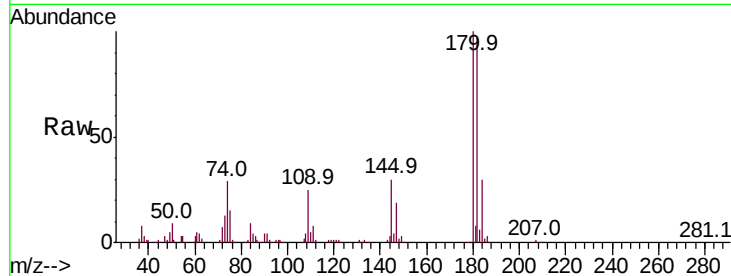
#93
 1,2,4-Trichlorobenzene
 Concen: 48.577 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

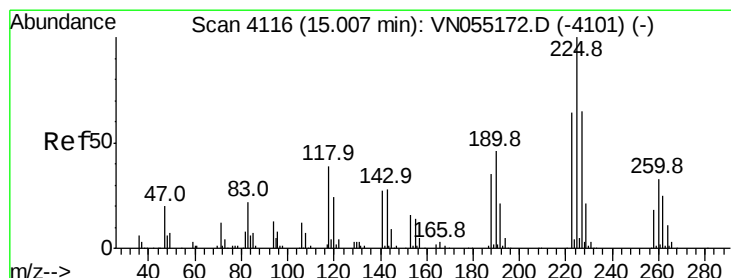
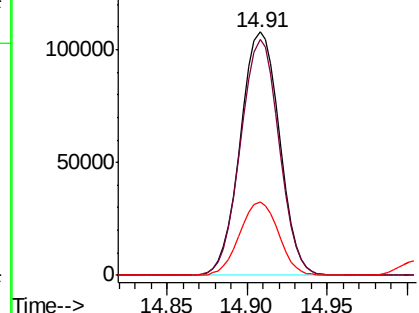
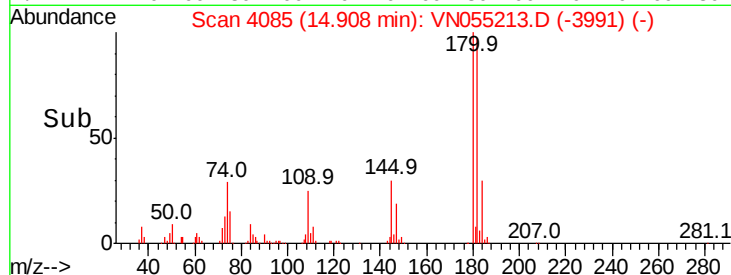
Tot Ion	Ratio	Resp	Lower	Upper
180	100	179855		
182	95.6	47.8	143.4	
145	29.8	14.5	43.5	

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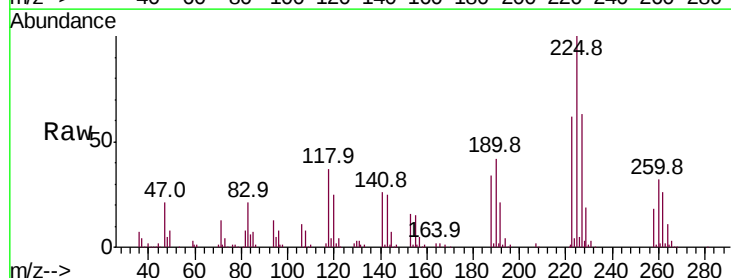


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

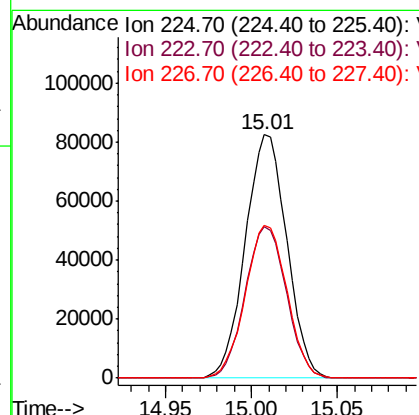
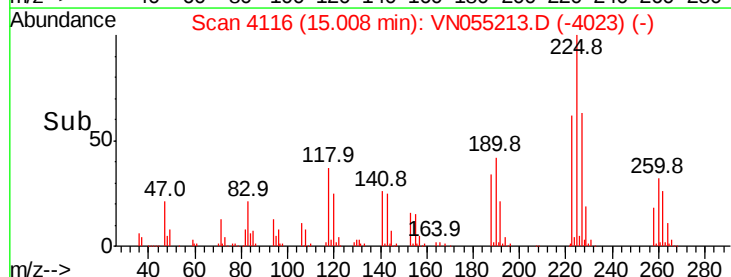


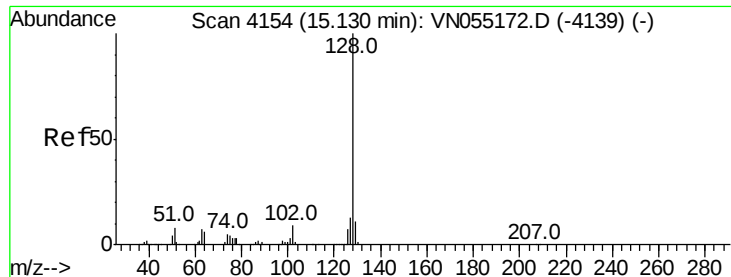
#94
 Hexachlorobutadiene
 Concen: 54.234 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055213.D
 Acq: 23 Apr 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138089		
223	61.9	32.2	96.6	
227	62.8	32.6	98.0	



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





#95

Naphthalene

Concen: 49.953 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Instrument :

MSVOA_N

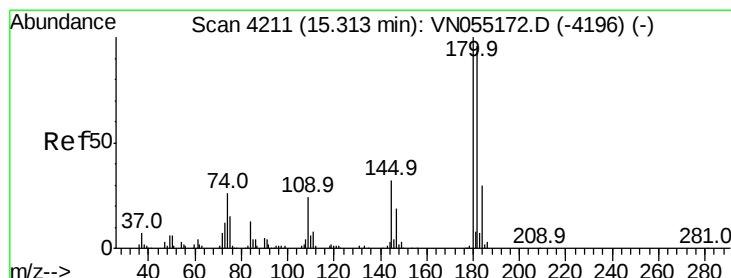
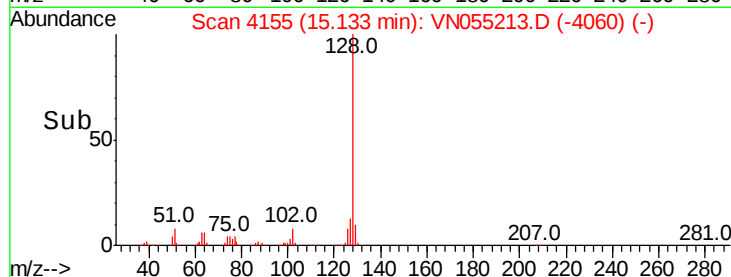
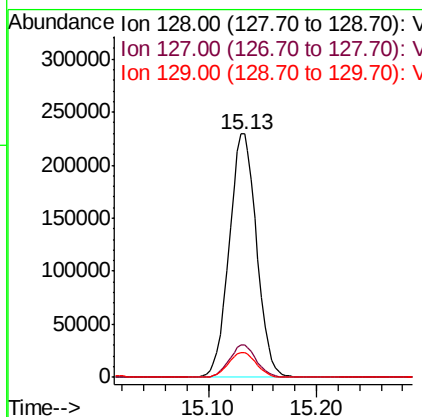
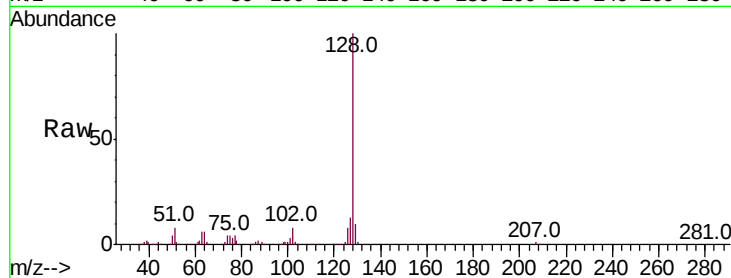
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	404959
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.5	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 49.151 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055213.D

Acq: 23 Apr 2019 18:11

Tgt Ion:	180	Resp:	180898
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.2	141.6
145	30.9	15.4	46.1

