

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055334.D
 Acq On : 1 May 2019 17:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:35:46 AM

Quant Time: May 02 04:08:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	389700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	626517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261069	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	209076	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.09	98	757342	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	250673	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	236244	49.479	ug/l	100
3) Chloromethane	2.06	50	276404	46.751	ug/l	99
4) Vinyl Chloride	2.19	62	221160	46.406	ug/l	100
5) Bromomethane	2.56	94	118235	46.837	ug/l	99
6) Chloroethane	2.70	64	119913	46.447	ug/l	97
7) Trichlorofluoromethane	3.02	101	328081	48.413	ug/l	99
8) Diethyl Ether	3.41	74	116041	48.943	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	192737	47.761	ug/l	100
10) Methyl Iodide	3.96	142	283717	49.957	ug/l	99
11) Tert butyl alcohol	4.79	59	78039	267.363	ug/l	99
12) 1,1-Dichloroethene	3.74	96	183673	47.712	ug/l	99
13) Acrolein	3.61	56	55781	244.707	ug/l	99
14) Allyl chloride	4.33	41	385610	48.365	ug/l	99
15) Acrylonitrile	4.99	53	431232	262.843	ug/l	99
16) Acetone	3.82	43	392915	247.346	ug/l	100
17) Carbon Disulfide	4.06	76	450931	44.885	ug/l	100
18) Methyl Acetate	4.33	43	210275	54.431	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	551933	51.000	ug/l	99
20) Methylene Chloride	4.55	84	220710	45.520	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	193025	47.345	ug/l	98
22) Diisopropyl ether	5.95	45	804555	50.788	ug/l	96
23) Vinyl Acetate	5.90	43	2776691	267.443	ug/l	100
24) 1,1-Dichloroethane	5.85	63	413790	49.025	ug/l	99
25) 2-Butanone	6.84	43	543030	267.304	ug/l	98
26) 2,2-Dichloropropane	6.83	77	281493	48.296	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	231515	49.935	ug/l	99
28) Bromochloromethane	7.20	49	205516	48.305	ug/l	99
29) Tetrahydrofuran	7.21	42	352128	270.694	ug/l	99
30) Chloroform	7.37	83	395157	49.388	ug/l	99
31) Cyclohexane	7.65	56	354982	44.266	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	316480	48.737	ug/l	99
36) 1,1-Dichloropropene	7.79	75	283524	47.246	ug/l	99
37) Ethyl Acetate	6.93	43	235085	51.113	ug/l	97
38) Carbon Tetrachloride	7.78	117	272162	47.015	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	284845	44.644	ug/l	99
40) Benzene	8.04	78	865425	48.920	ug/l	99
41) Methacrylonitrile	7.17	41	130595	52.428	ug/l	98
42) 1,2-Dichloroethane	8.13	62	304925	48.666	ug/l	100
43) Isopropyl Acetate	8.17	43	400009	54.118	ug/l	99
44) Trichloroethene	8.84	130	212176	47.047	ug/l	96
45) 1,2-Dichloropropane	9.12	63	250854	49.165	ug/l	99
46) Dibromomethane	9.21	93	138060	49.503	ug/l	99
47) Bromodichloromethane	9.40	83	301978	50.472	ug/l	99
48) Methyl methacrylate	9.20	41	185430	51.032	ug/l	96
49) 1,4-Dioxane	9.20	88	40239	1071.273	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1128406	271.157	ug/l	99
52) Toluene	10.16	92	506047	49.854	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	285045	54.880	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	338351	52.248	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	188943	50.127	ug/l	99
56) Ethyl methacrylate	10.43	69	253181	54.572	ug/l	98
57) 1,3-Dichloropropane	10.71	76	334616	50.605	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	332798	232.074	ug/l	100
59) 2-Hexanone	10.75	43	705094	270.798	ug/l	99
60) Dibromochloromethane	10.90	129	203859	52.918	ug/l	99
61) 1,2-Dibromoethane	11.01	107	181299	52.039	ug/l	98
64) Tetrachloroethene	10.63	164	200649	44.983	ug/l	99
65) Chlorobenzene	11.43	112	514919	48.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	202738	48.551	ug/l	99
67) Ethyl Benzene	11.51	91	937056	48.659	ug/l	100
68) m/p-Xylenes	11.62	106	690841	100.503	ug/l	98
69) o-Xylene	11.95	106	340425	49.966	ug/l	99
70) Styrene	11.96	104	563842	53.900	ug/l	100
71) Bromoform	12.13	173	127938	55.215	ug/l #	100
73) Isopropylbenzene	12.25	105	886408	51.892	ug/l	100
74) N-amyl acetate	12.07	43	298991	54.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	234842	55.429	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	232250m	58.497	ug/l	
77) Bromobenzene	12.53	156	219126	53.540	ug/l	97
78) n-propylbenzene	12.59	91	973418	44.040	ug/l	100
79) 2-Chlorotoluene	12.67	91	600923	51.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	730894	43.328	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55359	48.755	ug/l	95
82) 4-Chlorotoluene	12.77	91	581503	45.248	ug/l	99
83) tert-Butylbenzene	12.99	119	605872	50.788	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	701974	46.529	ug/l	100
85) sec-Butylbenzene	13.17	105	788448	43.002	ug/l	99
86) p-Isopropyltoluene	13.29	119	680089	45.129	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	337681	46.898	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	328201	48.402	ug/l	99
89) n-Butylbenzene	13.61	91	527638	49.274	ug/l	99
90) Hexachloroethane	13.87	117	116825	48.927	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	336784	47.192	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31970	56.475	ug/l	98

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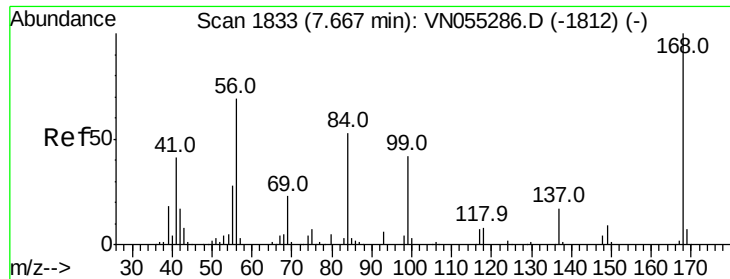
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122731	44.046	ug/l	97
94) Hexachlorobutadiene	15.01	225	113838	53.191	ug/l	98
95) Naphthalene	15.13	128	253879	42.951	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	124044	45.044	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 389700

Ion Ratio Lower Upper

168 100

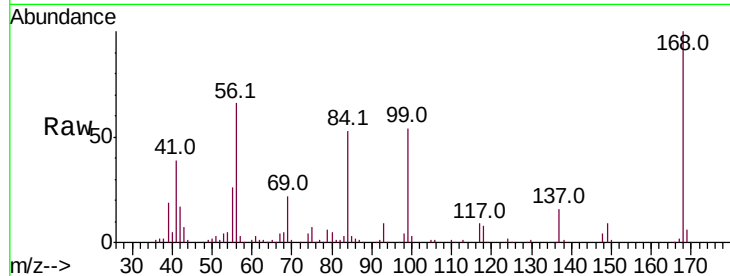
99 53.1 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): VN055334.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055334.D (-1740) (-)

7.67

150000

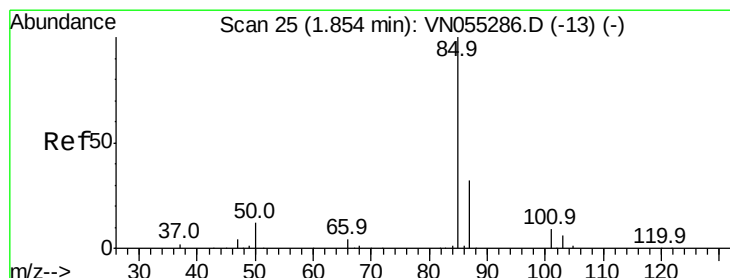
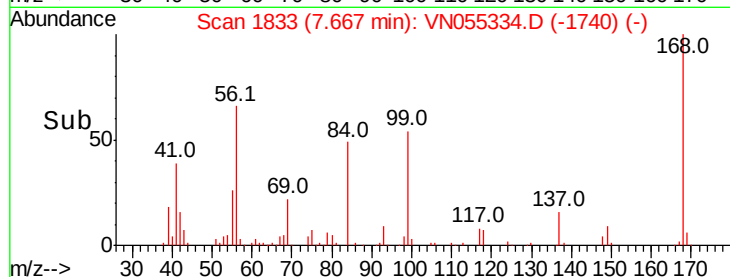
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.479 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055334.D

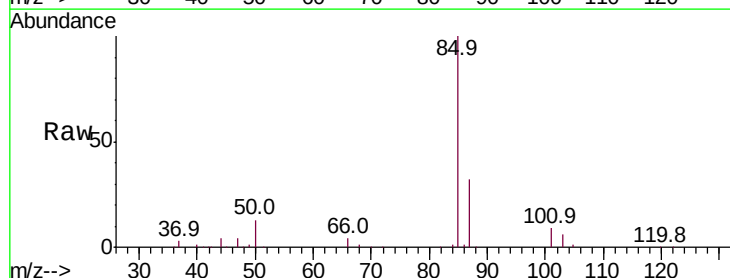
Acq: 1 May 2019 17:36

Tgt Ion: 85 Resp: 236244

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055334.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN055334.D (-1) (-)

1.85

200000

150000

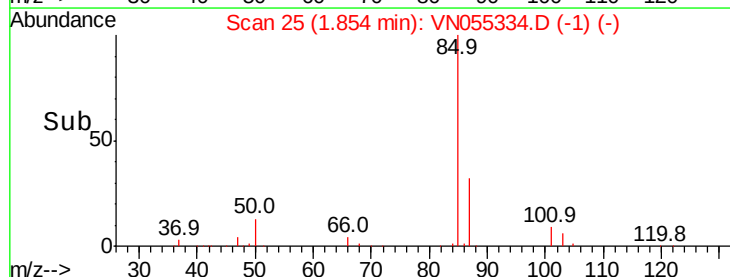
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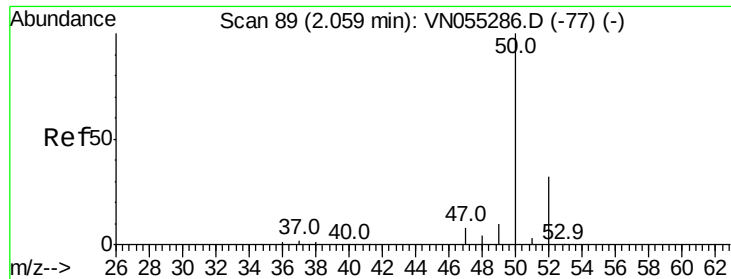
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.751 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 276404

Ion Ratio Lower Upper

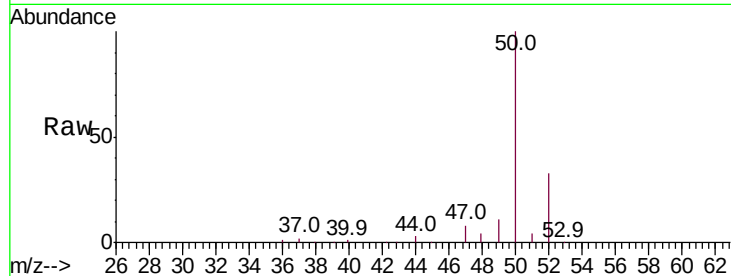
50 100

52 32.8 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

200000

150000

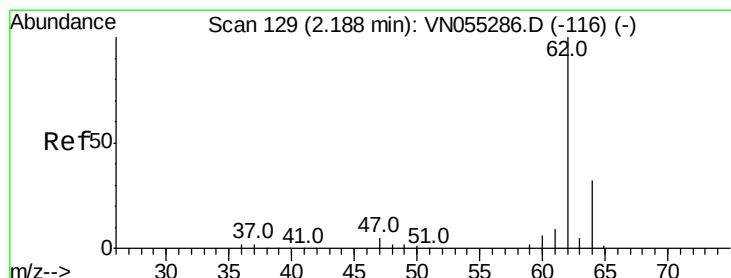
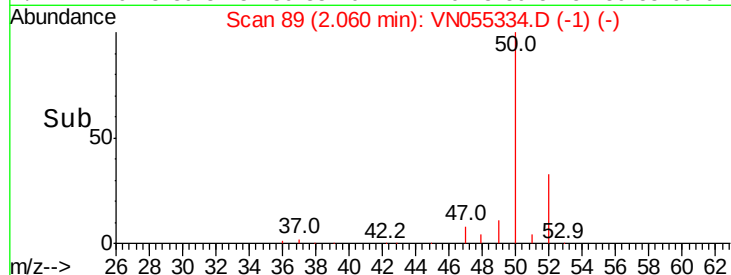
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 46.406 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055334.D

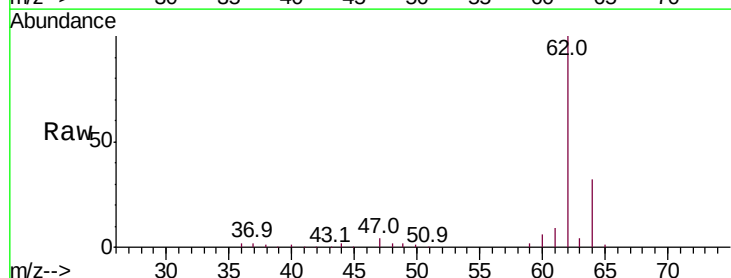
Acq: 1 May 2019 17:36

Tgt Ion: 62 Resp: 221160

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

150000

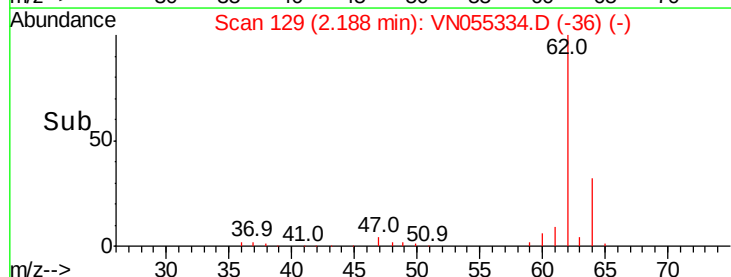
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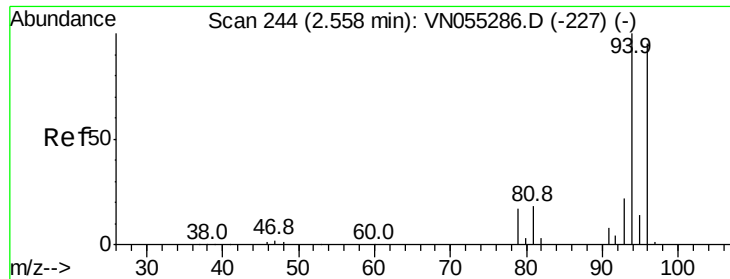
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 46.837 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 118235

Ion Ratio Lower Upper

94 100

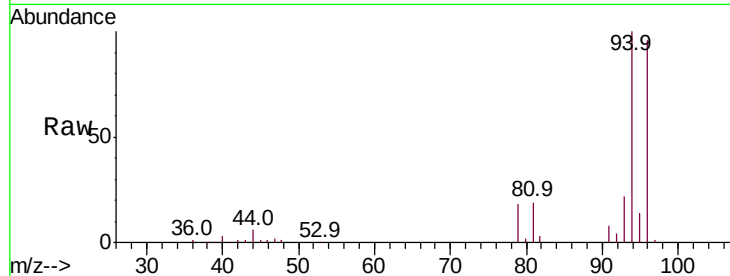
96 96.1 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

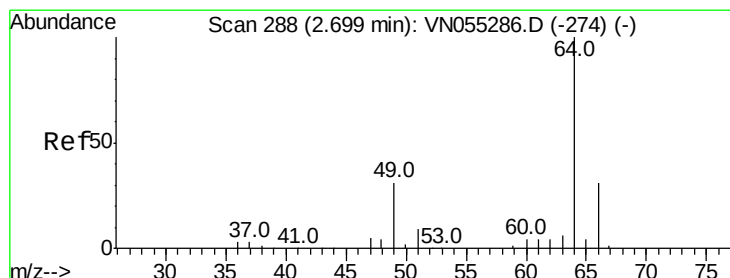
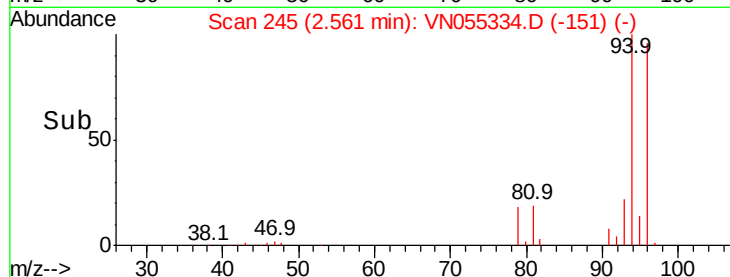
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 46.447 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055334.D

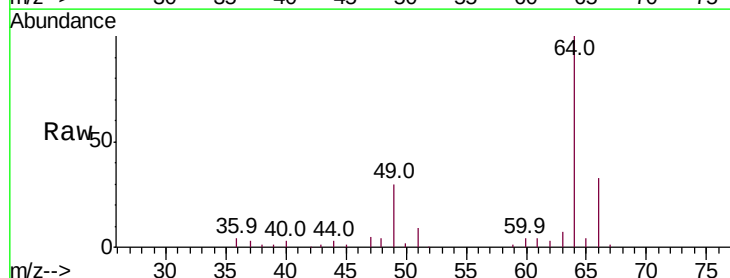
Acq: 1 May 2019 17:36

Tgt Ion: 64 Resp: 119913

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

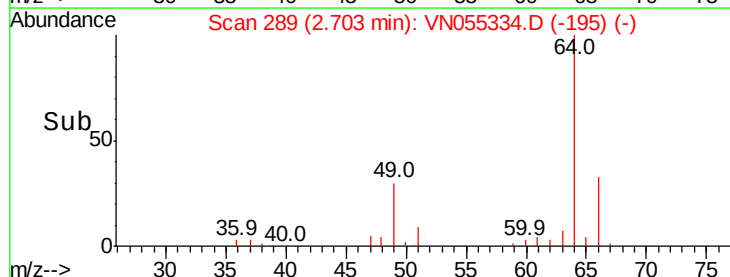
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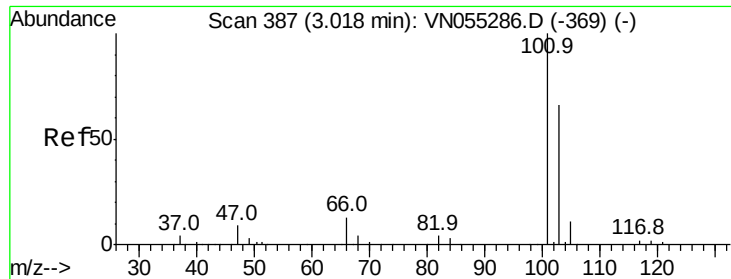
40000

20000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#7

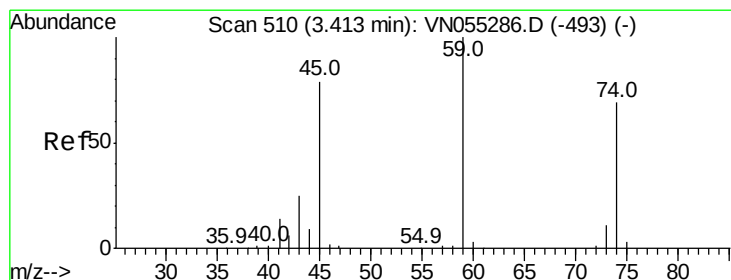
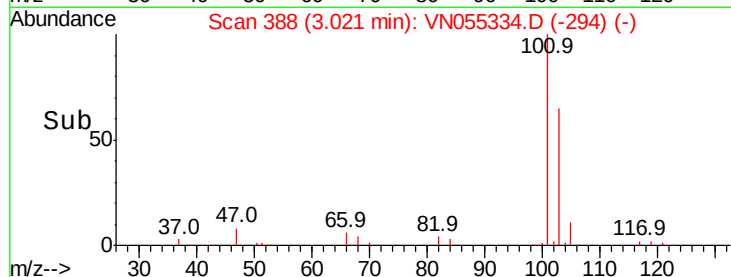
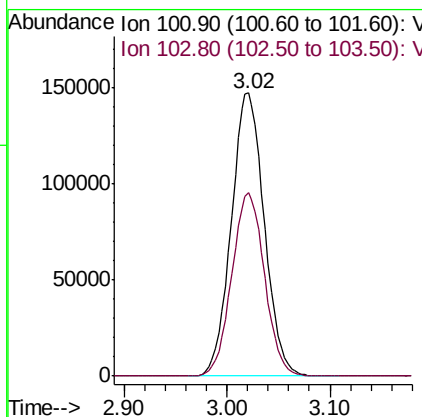
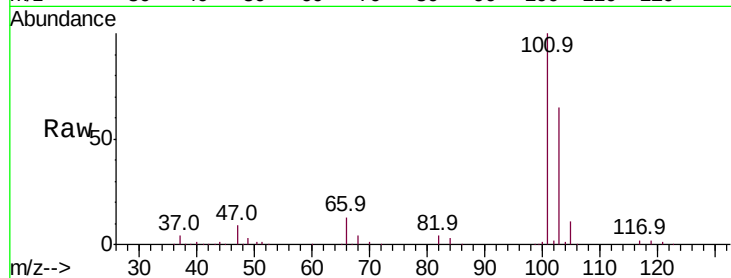
Trichlorofluoromethane
 Concen: 48.413 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.6	79.0

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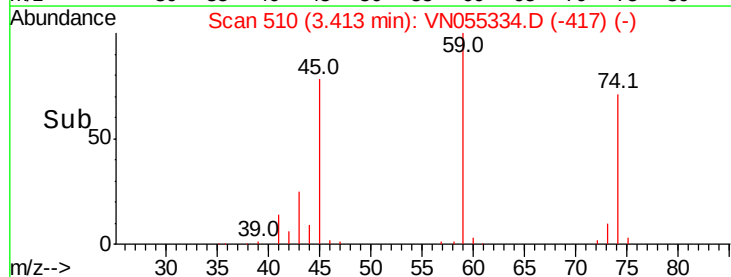
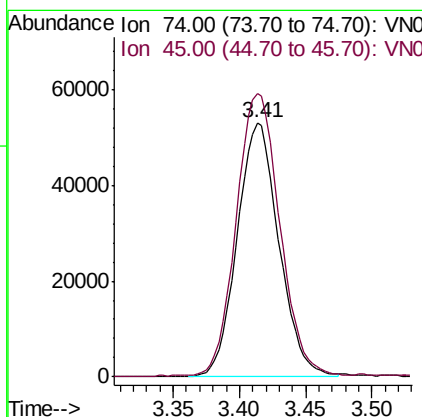
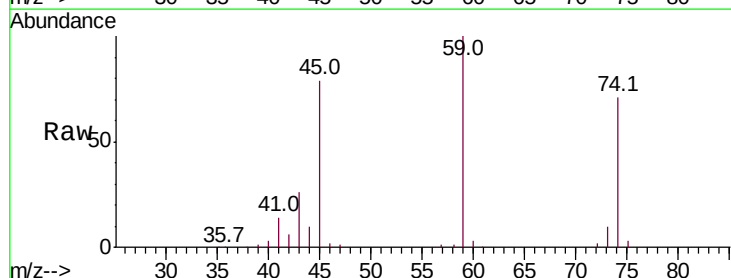
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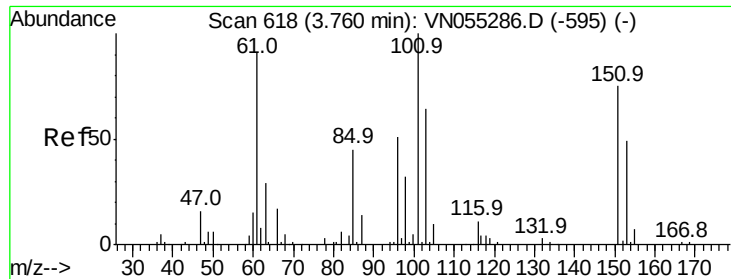


#8

Diethyl Ether
 Concen: 48.943 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.8	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.761 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

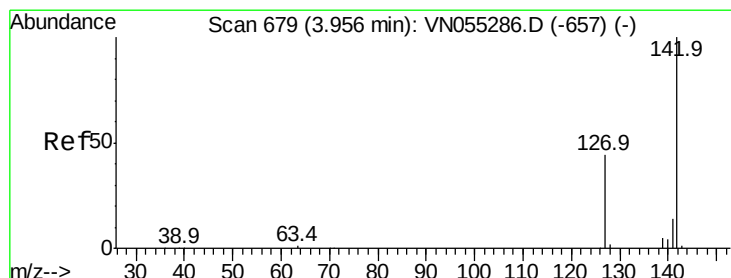
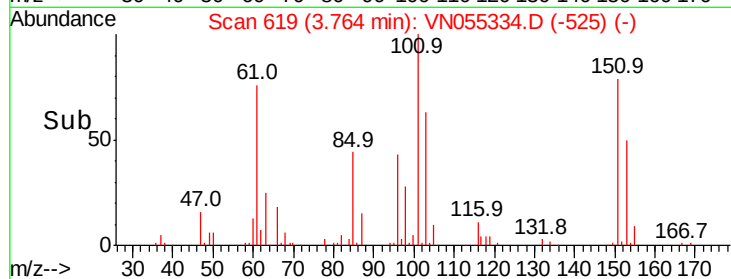
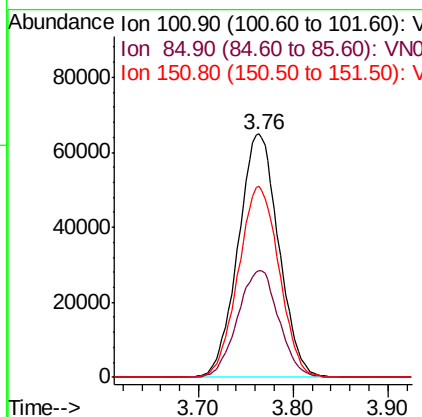
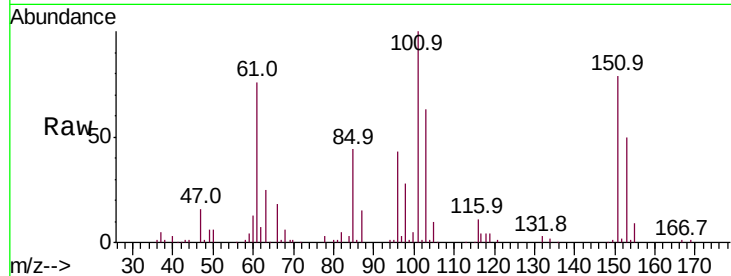
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	192737
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.7	53.5
151	79.0	63.3	94.9

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#10

Methyl Iodide

Concen: 49.957 ug/l

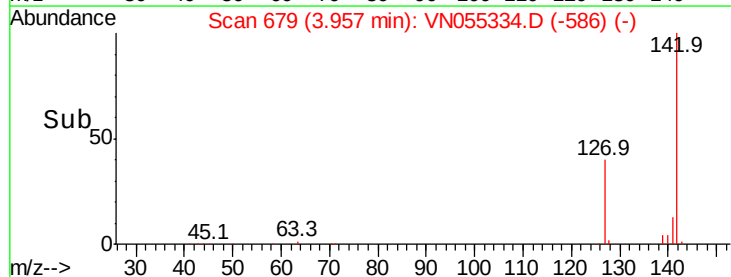
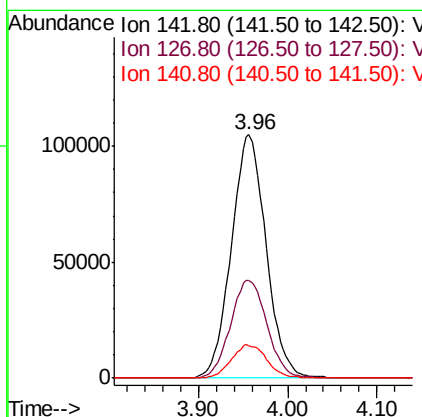
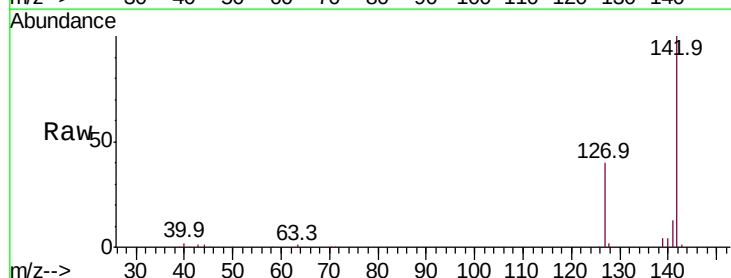
RT: 3.96 min Scan# 679

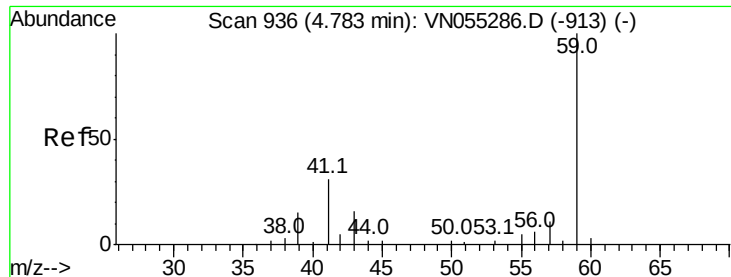
Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tgt Ion:	142	Resp:	283717
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.4	51.6
141	14.0	11.5	17.3





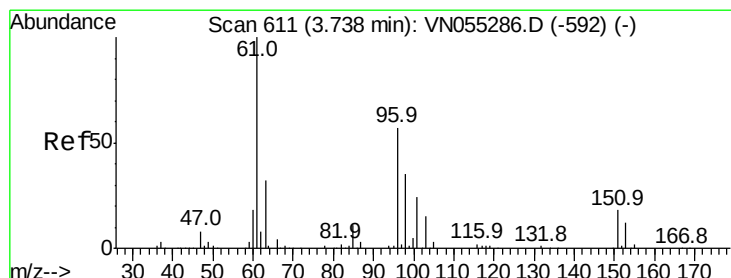
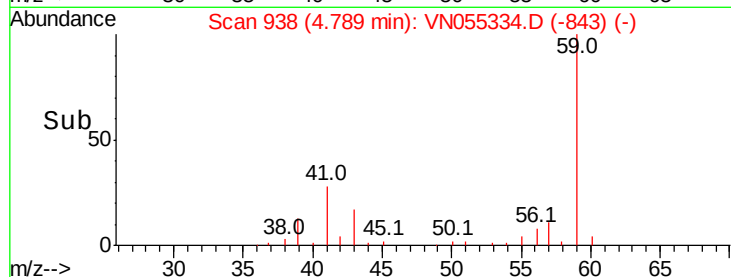
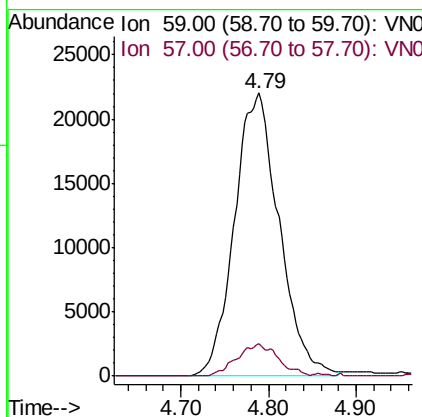
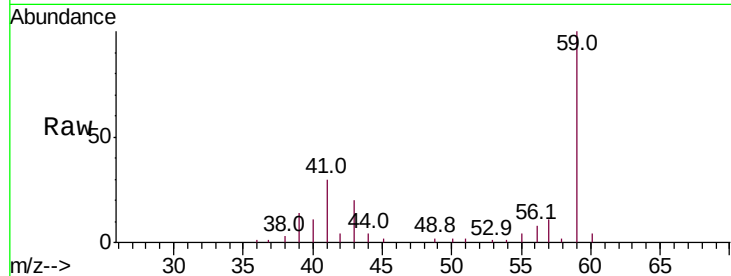
#11
Tert butyl alcohol
Concen: 267.363 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 78039
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

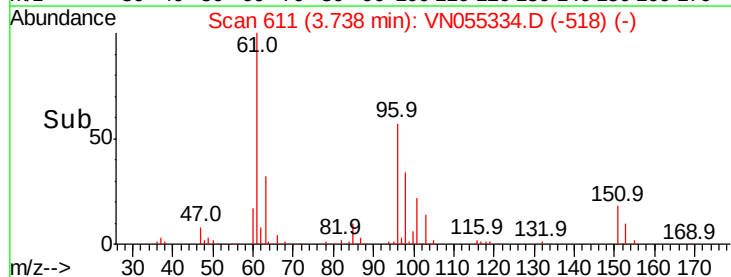
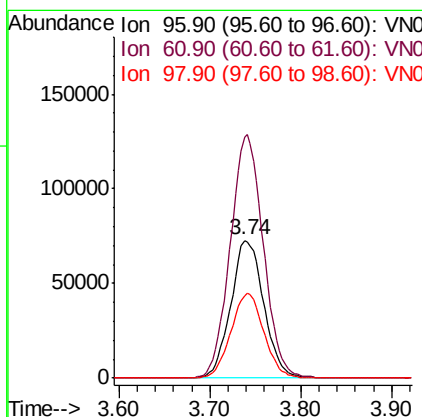
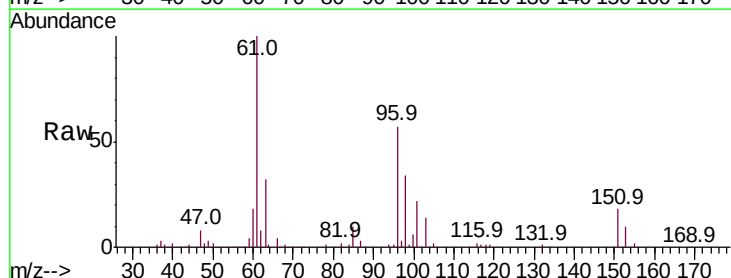
Manual Integrations
APPROVED

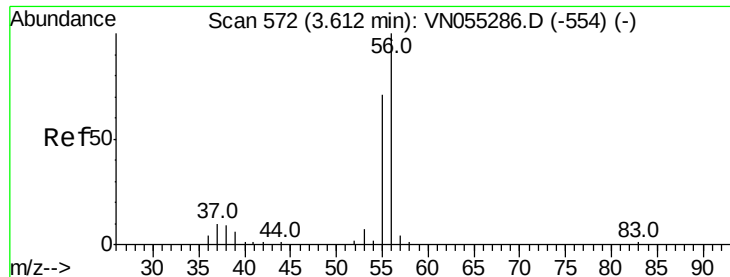
MMDadoda
5/2/2019 9:35:46 AM



#12
1,1-Dichloroethene
Concen: 47.712 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion: 96 Resp: 183673
Ion Ratio Lower Upper
96 100
61 174.9 140.9 211.3
98 60.0 50.0 75.0





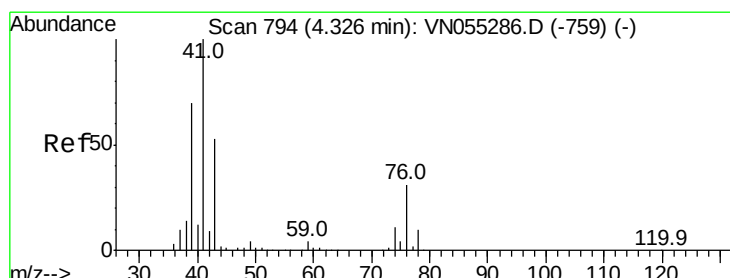
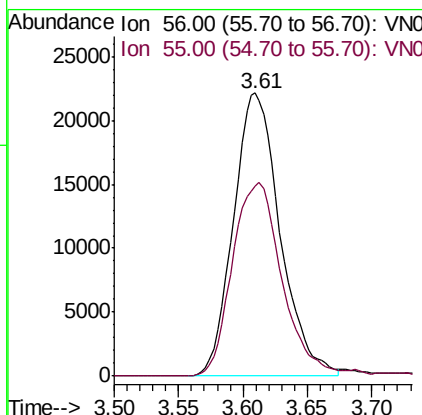
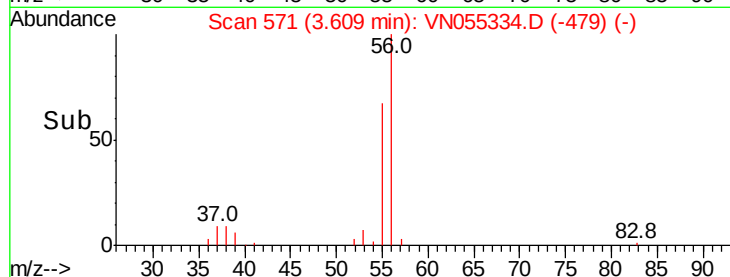
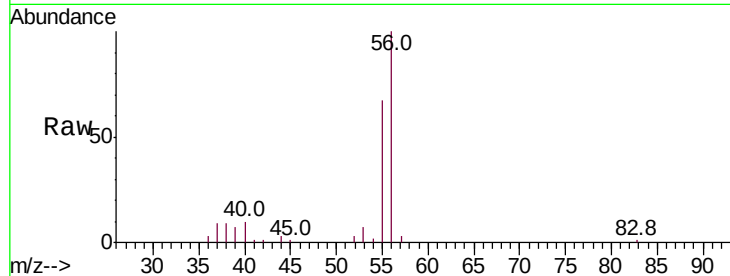
#13
Acrolein
Concen: 244.707 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 55781
Ion Ratio Lower Upper
56 100
55 72.3 57.4 86.2

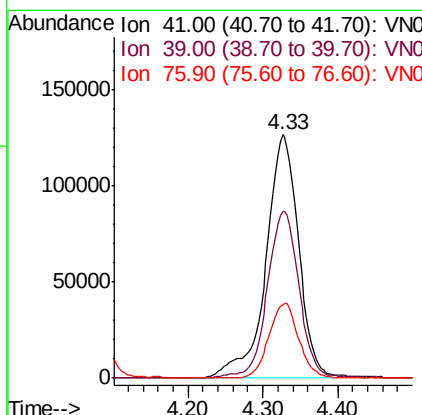
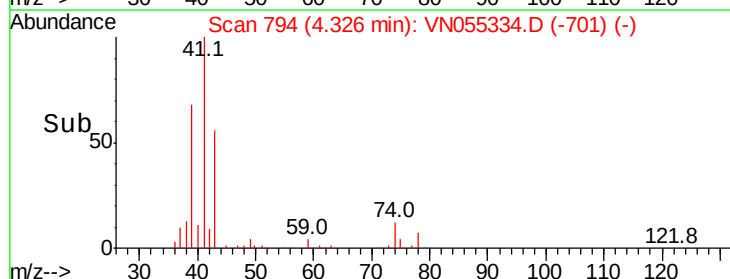
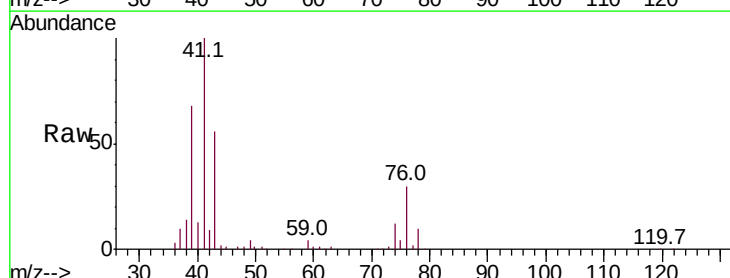
Manual Integrations
APPROVED

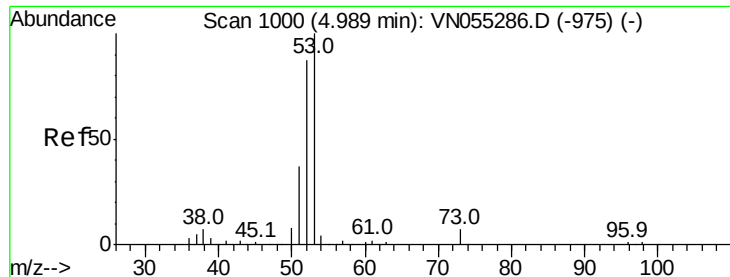
MMDadoda
5/2/2019 9:35:46 AM



#14
Allyl chloride
Concen: 48.365 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion: 41 Resp: 385610
Ion Ratio Lower Upper
41 100
39 66.9 53.0 79.6
76 28.3 22.7 34.1





#15

Acrylonitrile

Concen: 262.843 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

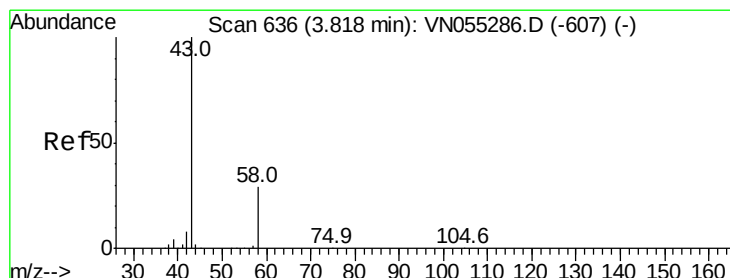
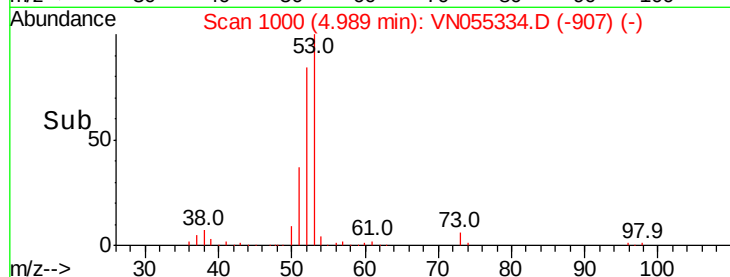
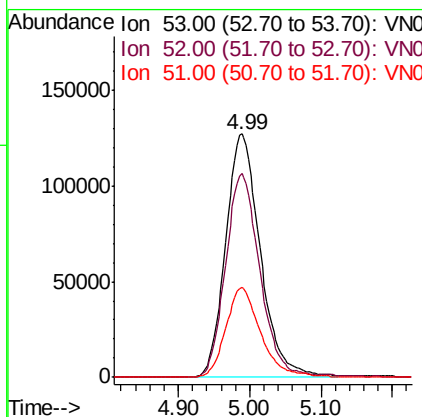
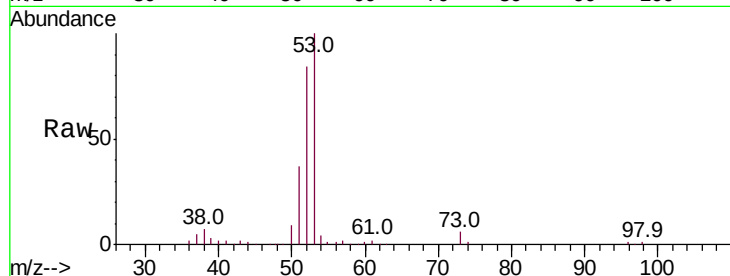
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	431232
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	37.1	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 247.346 ug/l

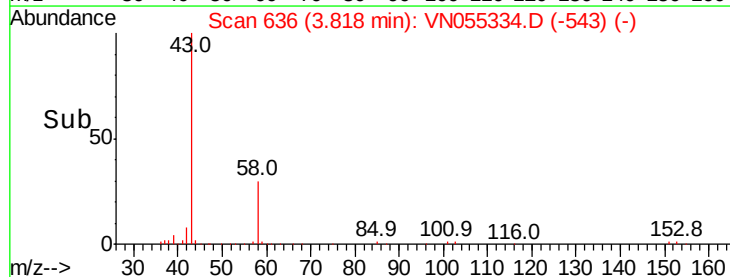
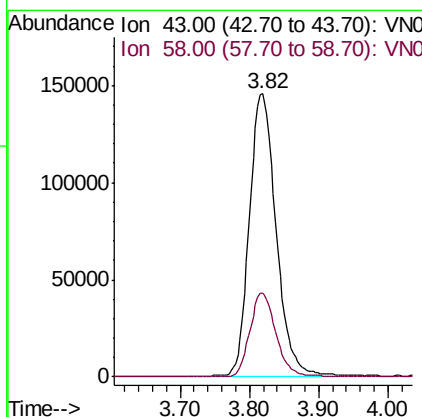
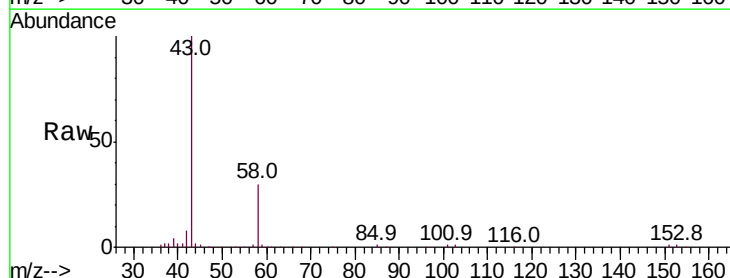
RT: 3.82 min Scan# 636

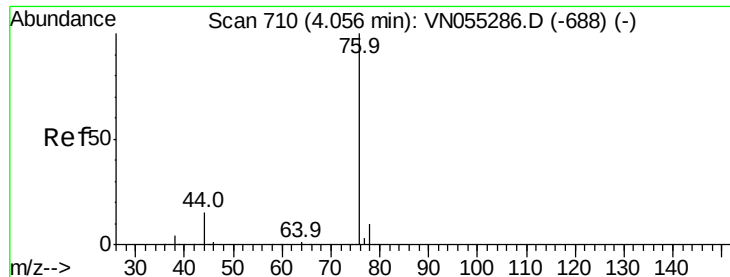
Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tgt Ion:	43	Resp:	392915
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.6	35.4





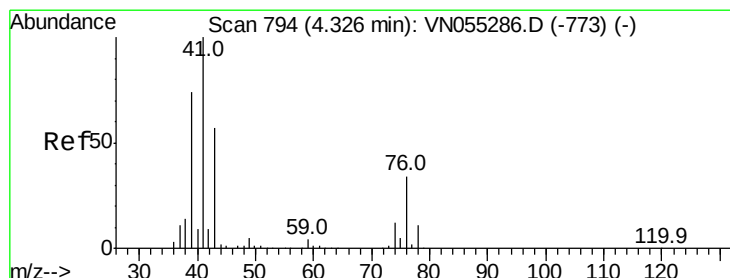
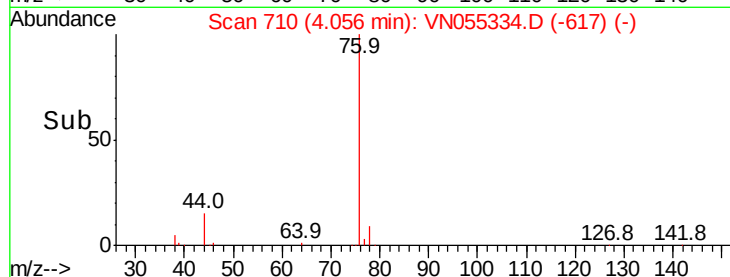
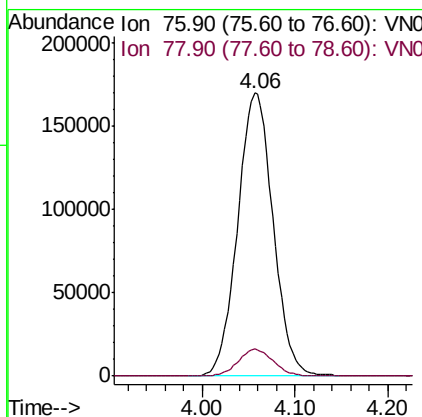
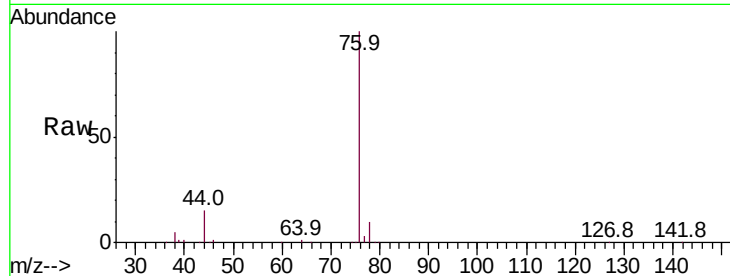
#17
Carbon Disulfide
Concen: 44.885 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.6	11.4

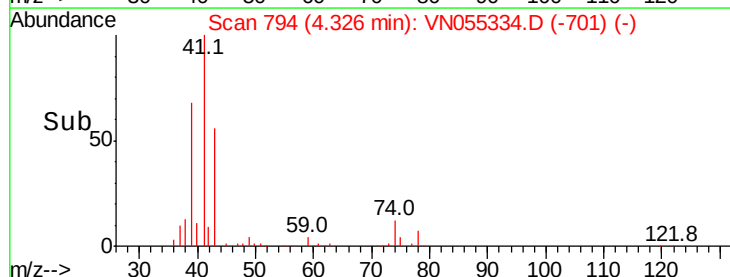
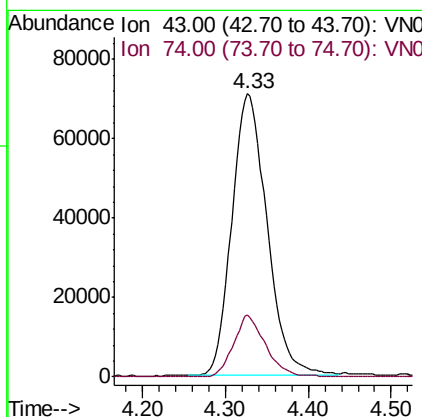
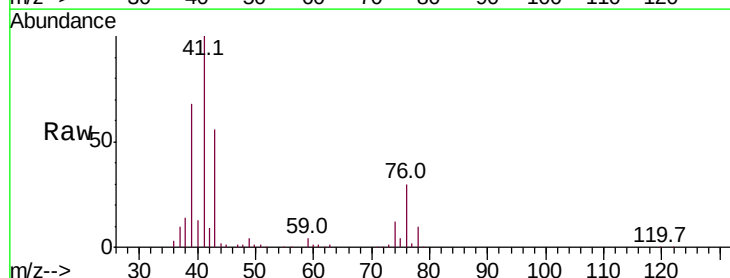
Manual Integrations
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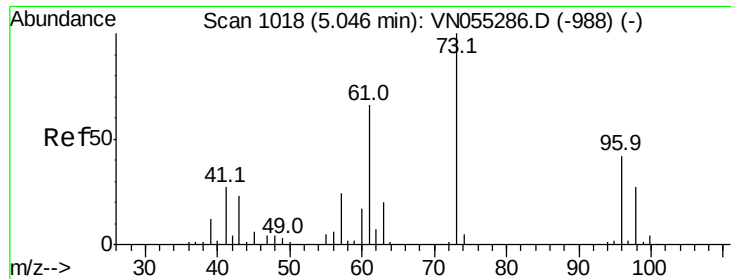
MMDadoda
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#18
Methyl Acetate
Concen: 54.431 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.8	23.8





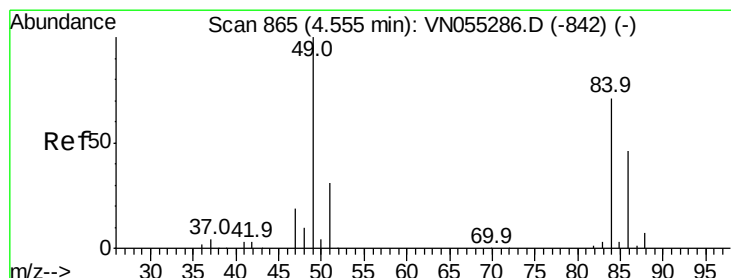
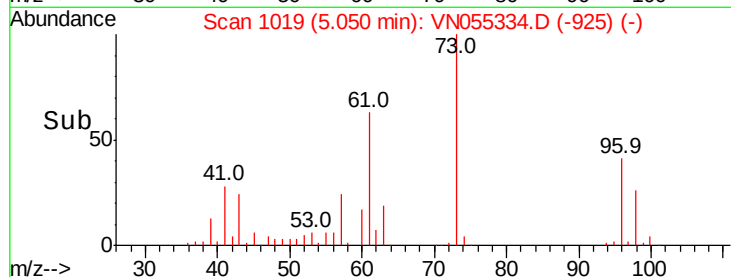
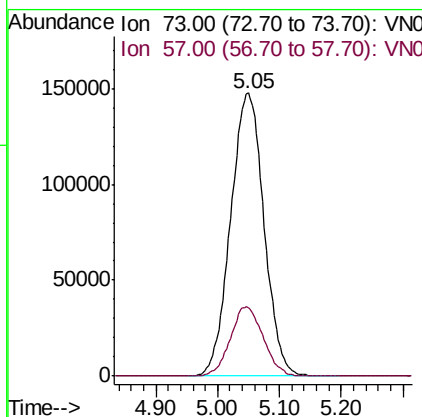
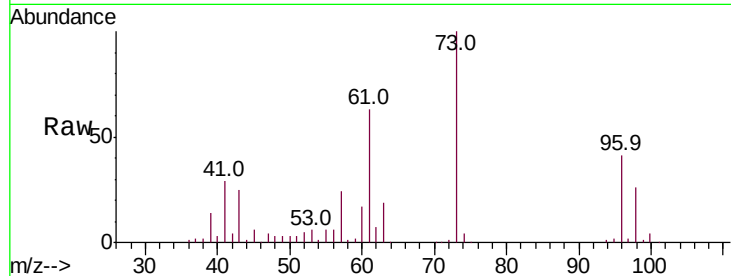
#19
Methyl tert-butyl Ether
Concen: 51.000 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 551933
Ion Ratio Lower Upper
73 100
57 24.2 19.1 28.7

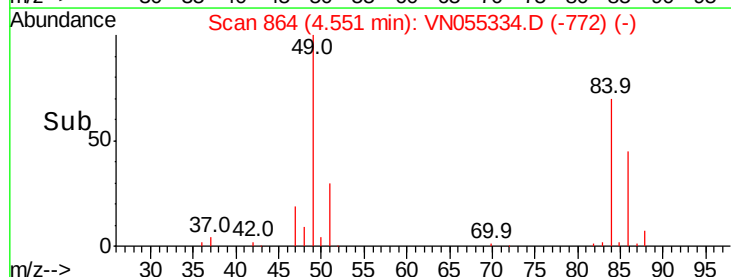
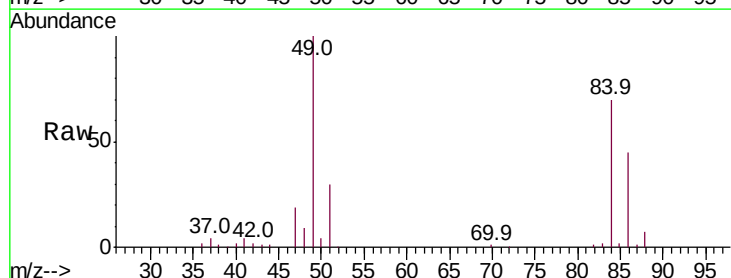
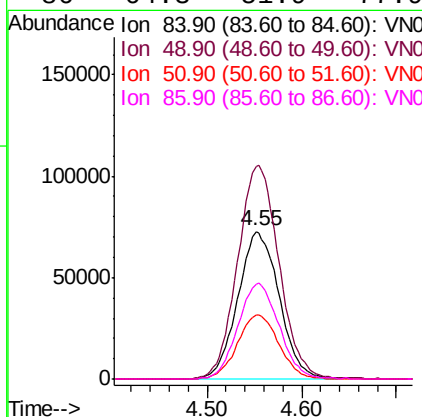
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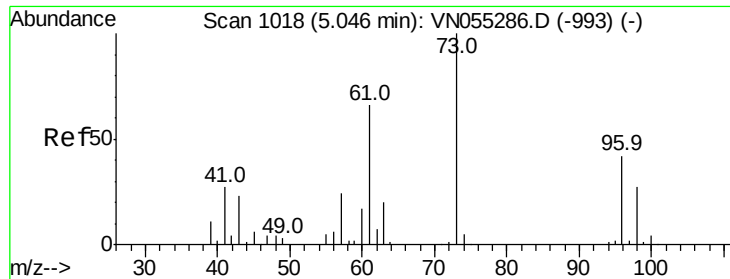
MMDadoda
5/2/2019 9:35:46 AM



#20
Methylene Chloride
Concen: 45.520 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion: 84 Resp: 220710
Ion Ratio Lower Upper
84 100
49 143.6 112.4 168.6
51 42.9 34.6 51.8
86 64.3 51.9 77.9





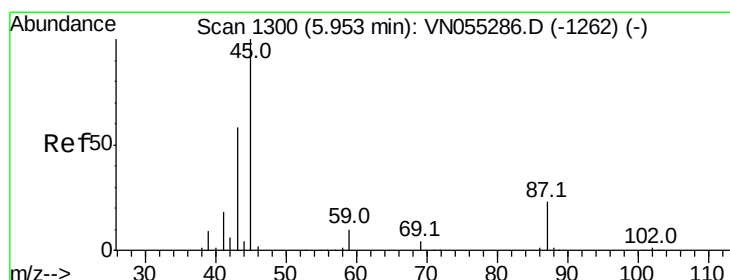
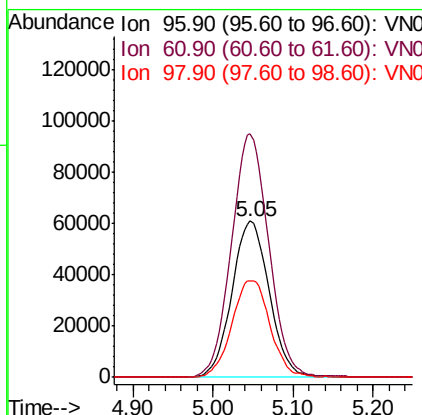
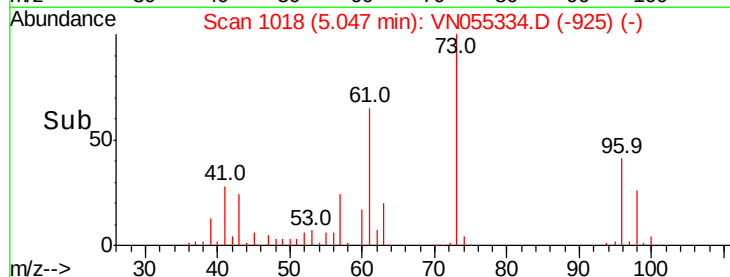
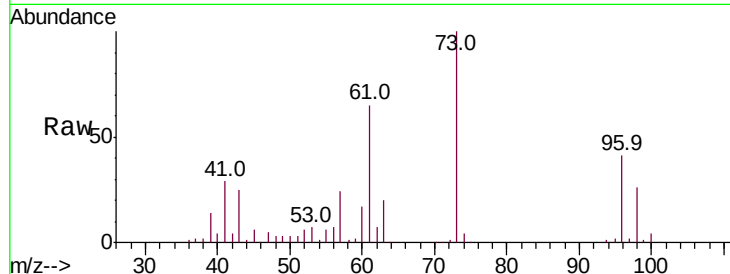
#21
trans-1,2-Dichloroethene
Concen: 47.345 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.0	126.2	189.4
98	61.7	52.2	78.2

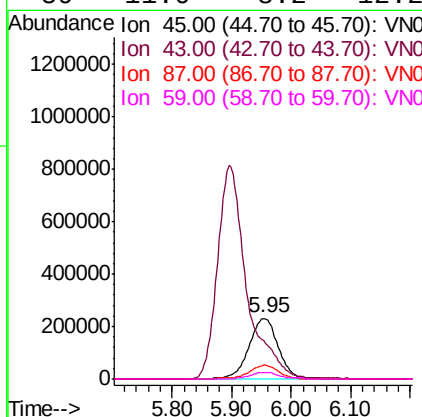
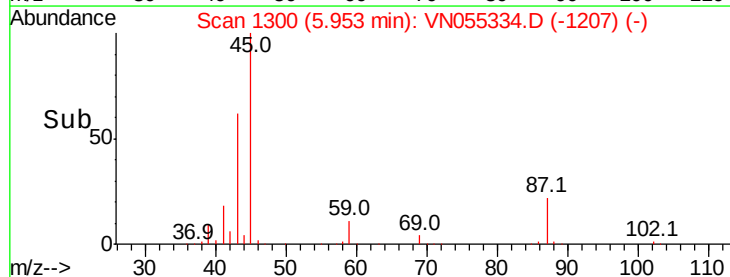
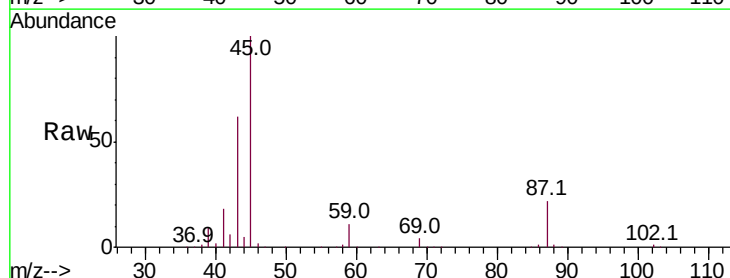
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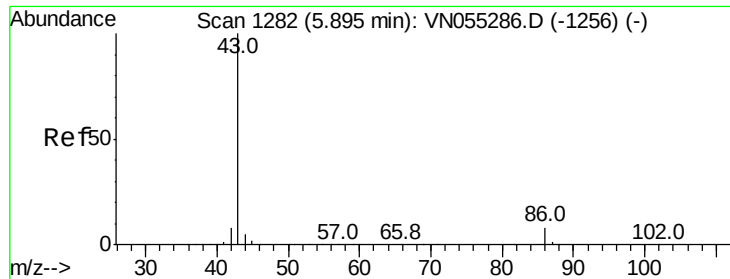
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#22
Diisopropyl ether
Concen: 50.788 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	46.6	70.0
87	22.3	18.1	27.1
59	11.0	8.2	12.2





#23

Vinyl Acetate

Concen: 267.443 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2776691

Ion Ratio Lower Upper

43 100

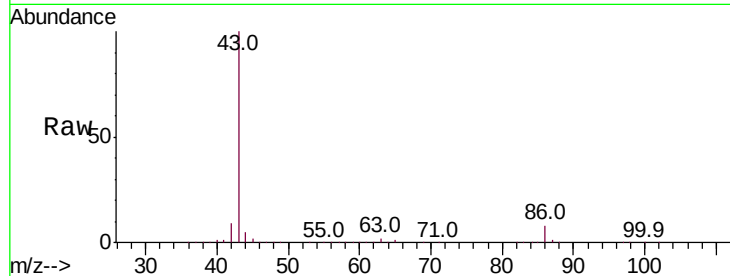
86 8.2 6.6 10.0

Manual Integrations

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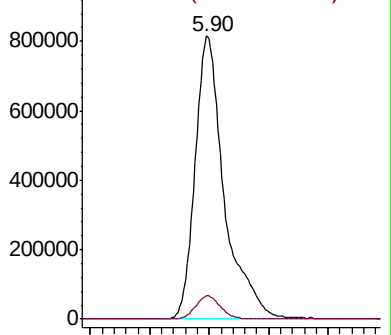
MMDadoda

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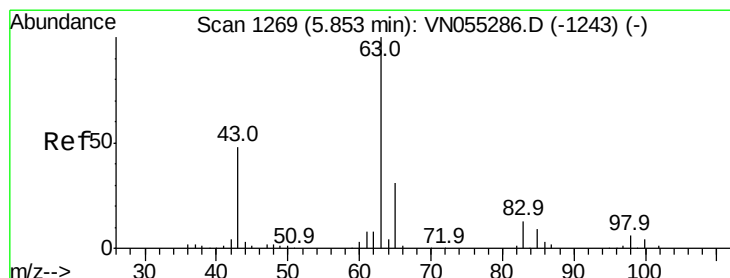
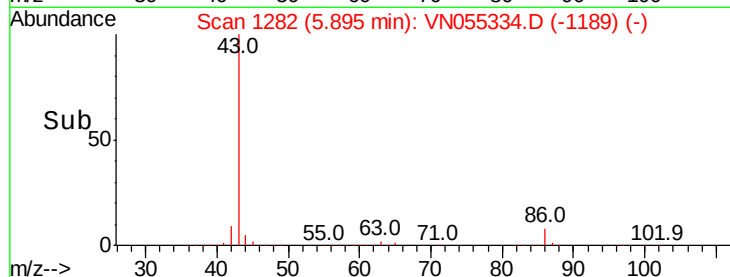


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 49.025 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

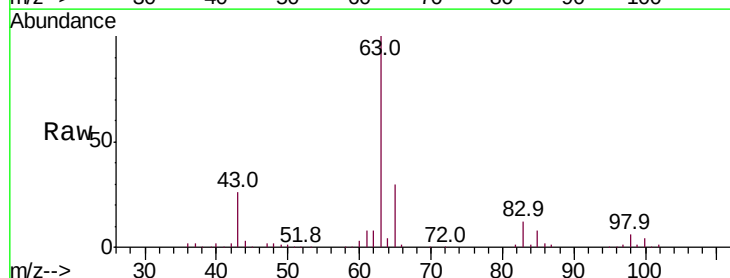
Tgt Ion: 63 Resp: 413790

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

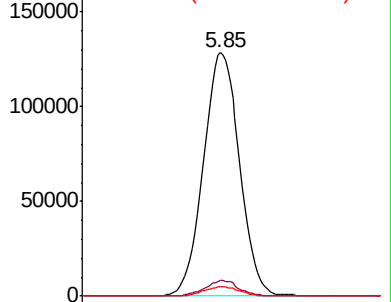
100 3.9 1.8 5.4



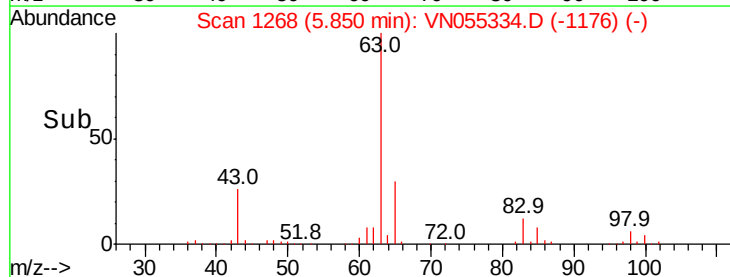
Abundance Ion 62.90 (62.60 to 63.60): VN0

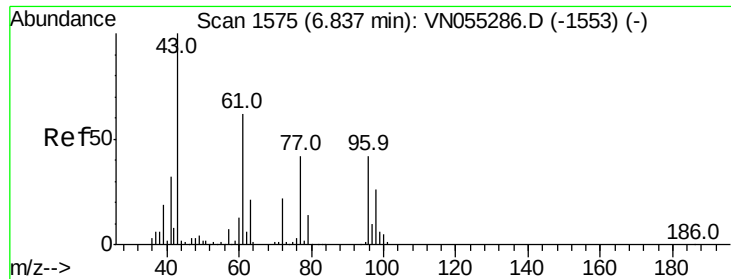
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





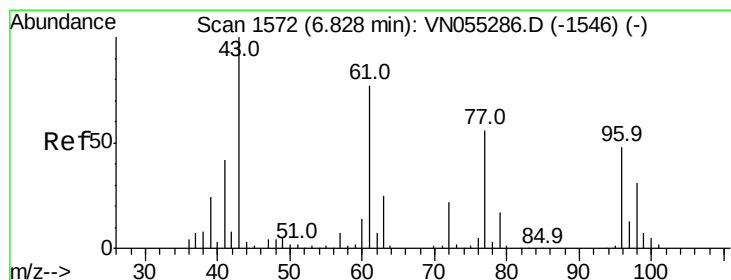
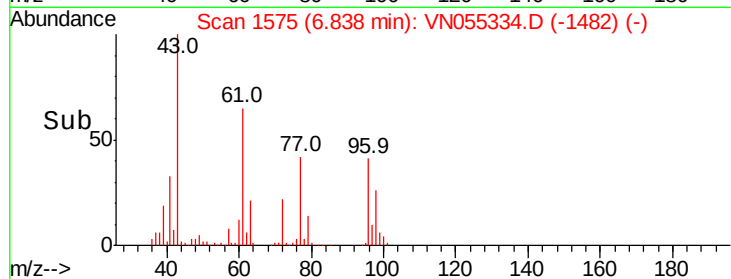
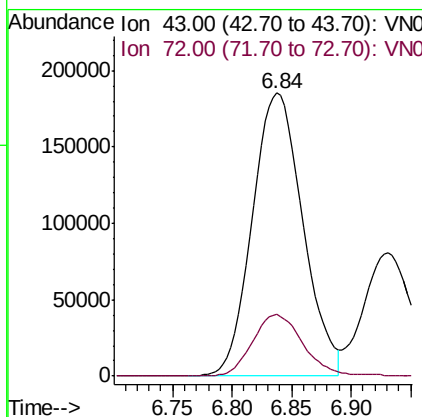
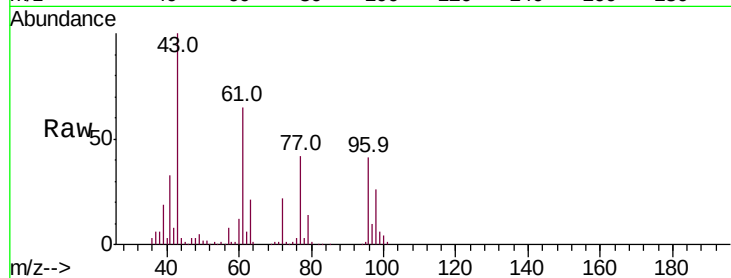
#25
2-Butanone
Concen: 267.304 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 543030
Ion Ratio Lower Upper
43 100
72 21.7 18.0 27.0

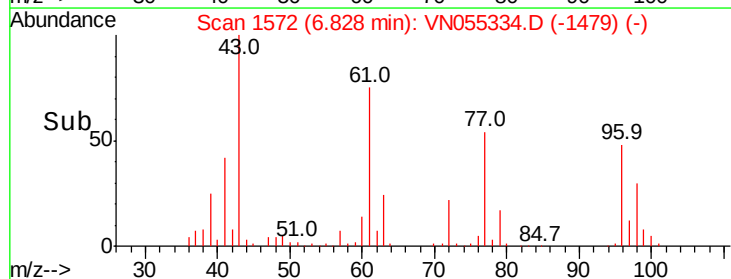
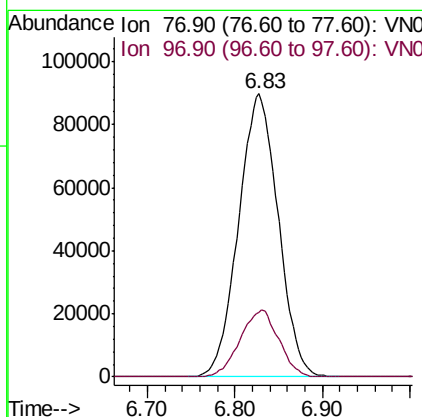
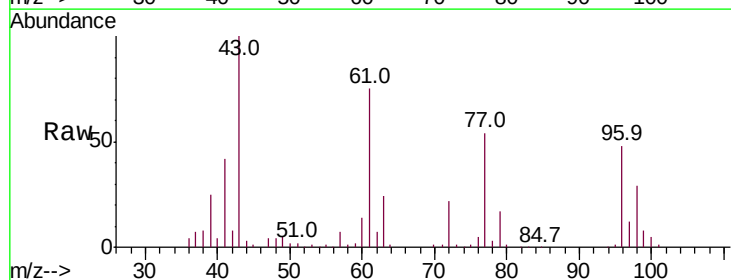
Manual Integrations
APPROVED

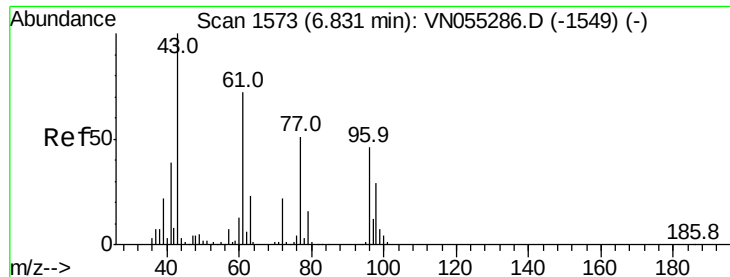
MMDadoda
5/2/2019 9:35:46 AM



#26
2,2-Dichloropropane
Concen: 48.296 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion: 77 Resp: 281493
Ion Ratio Lower Upper
77 100
97 23.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 49.935 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055334.D

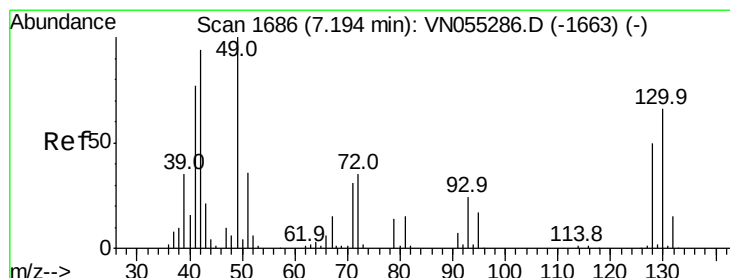
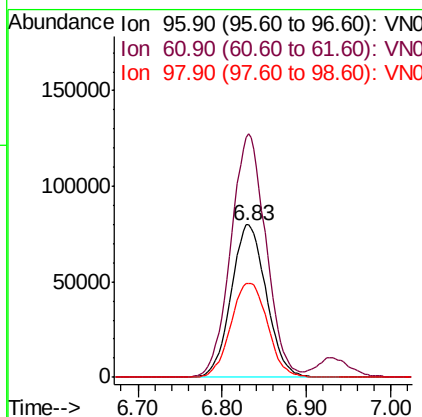
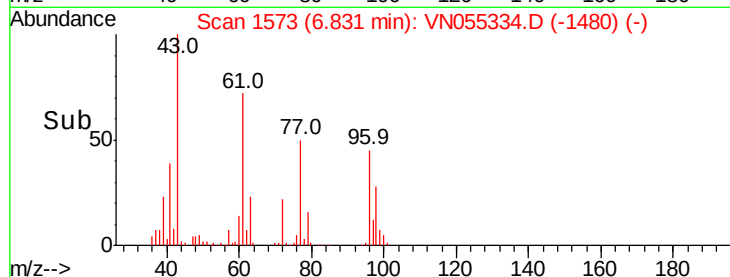
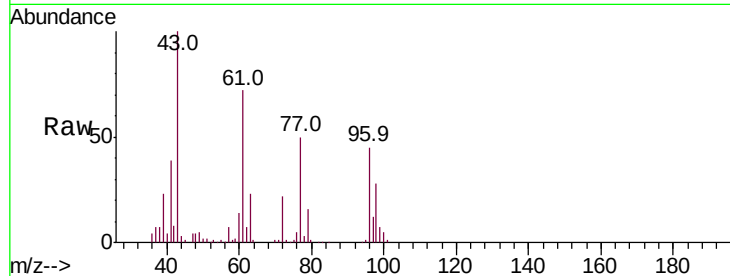
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	231515		
61	159.6	0.0	316.2	
98	64.7	0.0	126.6	

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#28

Bromochloromethane

Concen: 48.305 ug/l

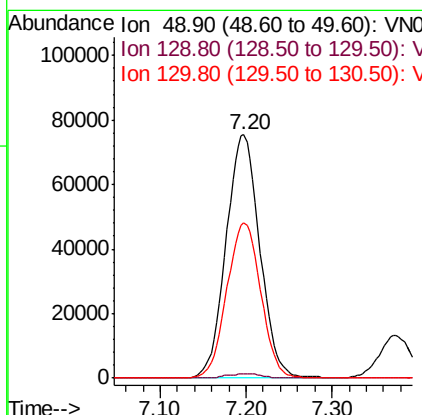
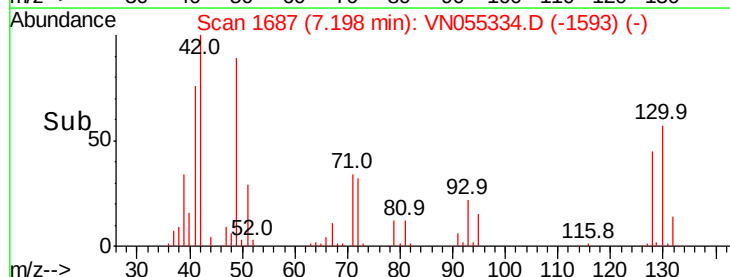
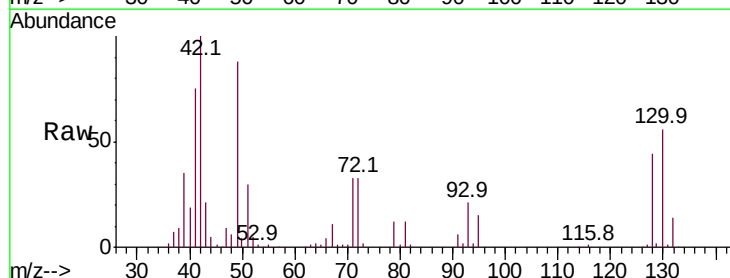
RT: 7.20 min Scan# 1687

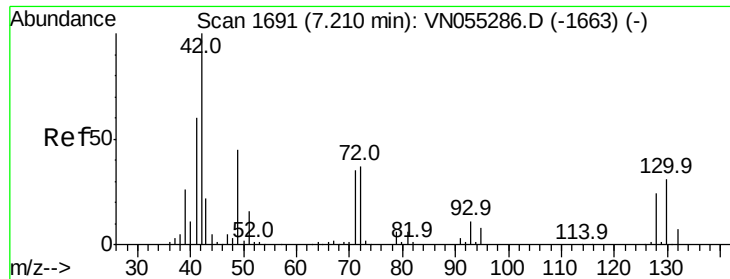
Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	205516		
129	1.8	0.0	2.4	
130	64.2	52.0	78.0	





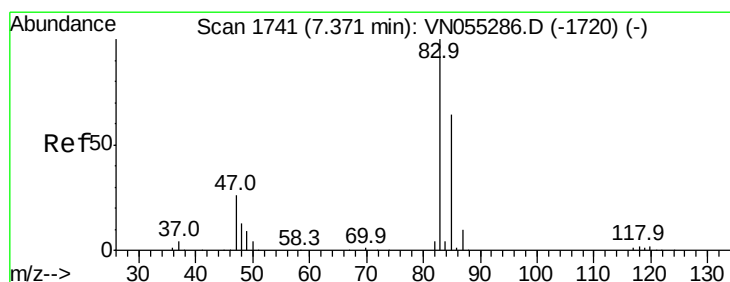
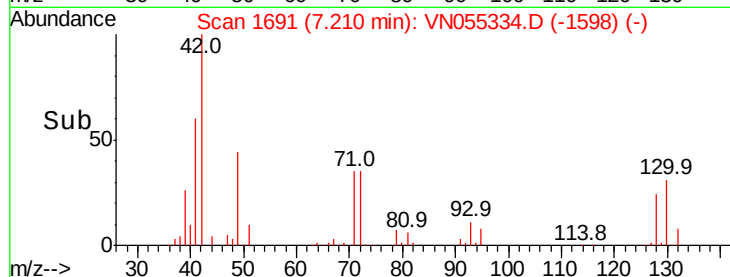
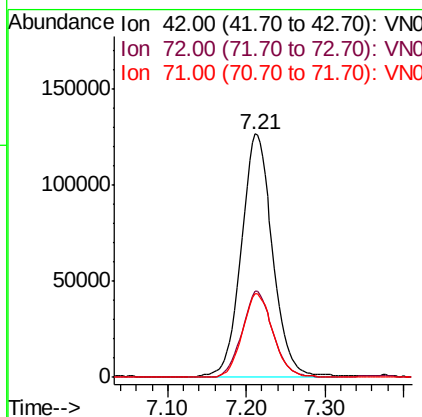
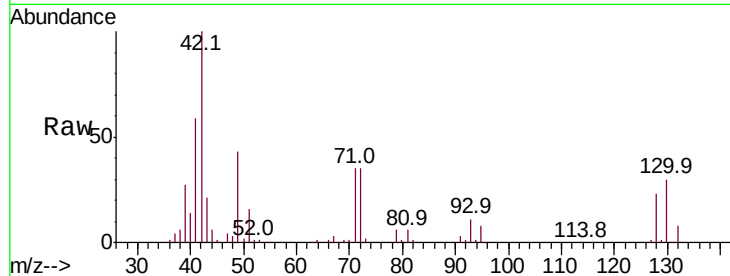
#29
Tetrahydrofuran
Concen: 270.694 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	29.0	43.6
71	34.0	27.1	40.7

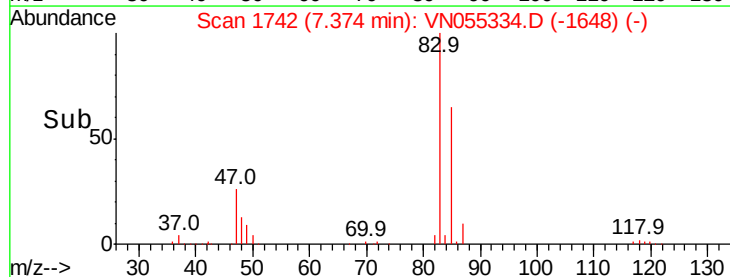
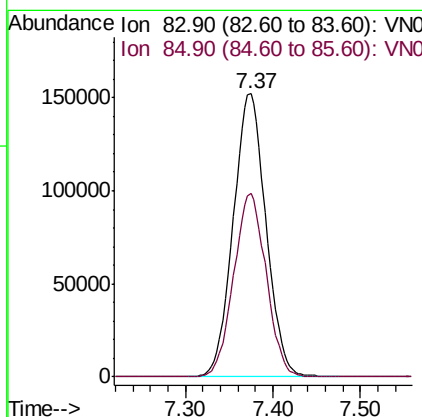
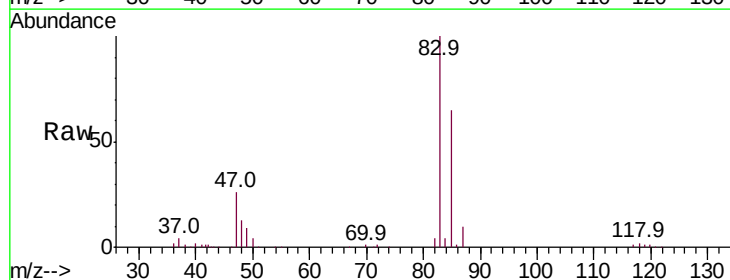
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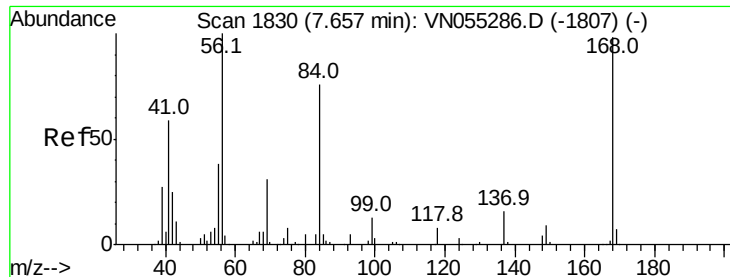
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#30
Chloroform
Concen: 49.388 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2





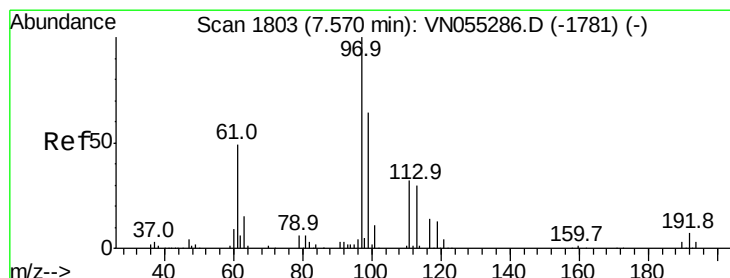
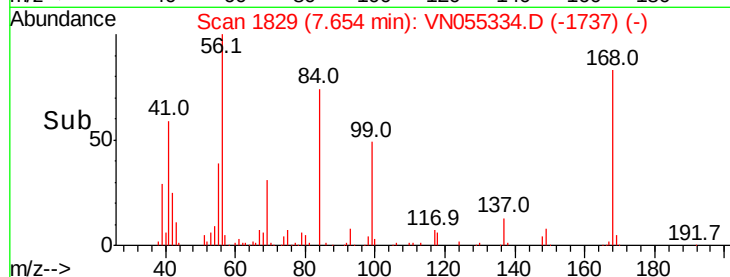
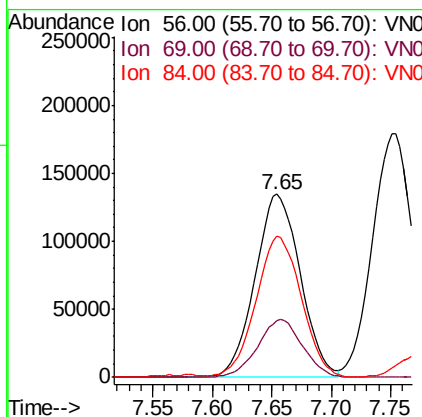
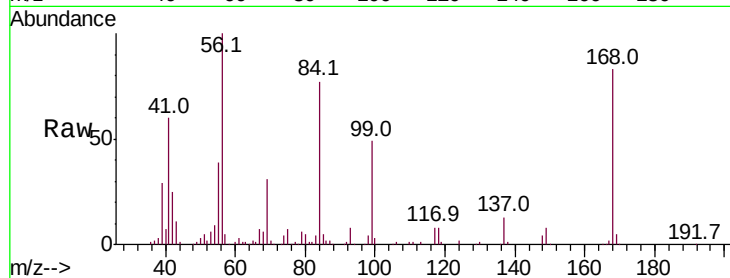
#31
Cyclohexane
Concen: 44.266 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.2	37.8
84	75.6	61.1	91.7

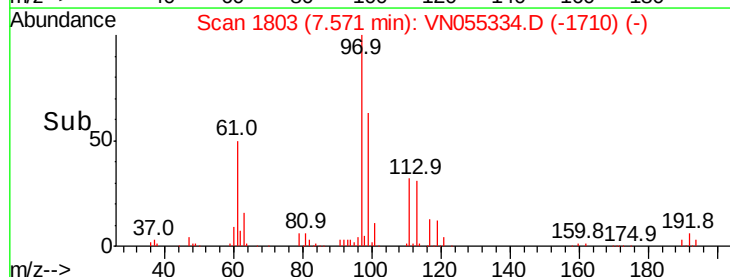
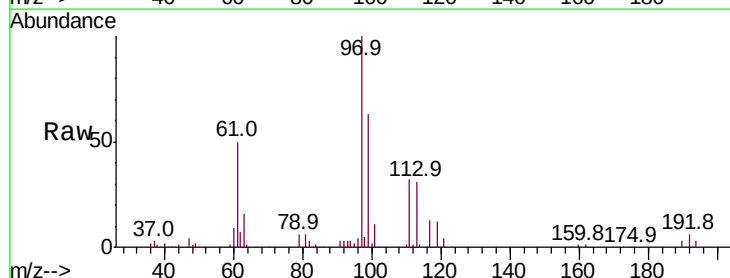
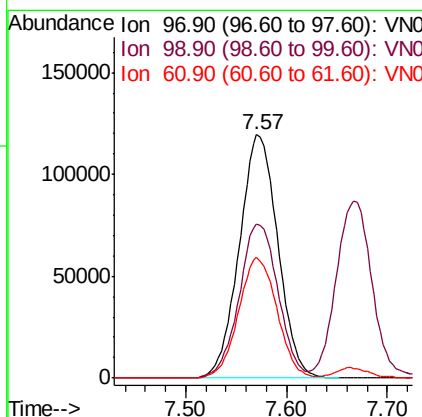
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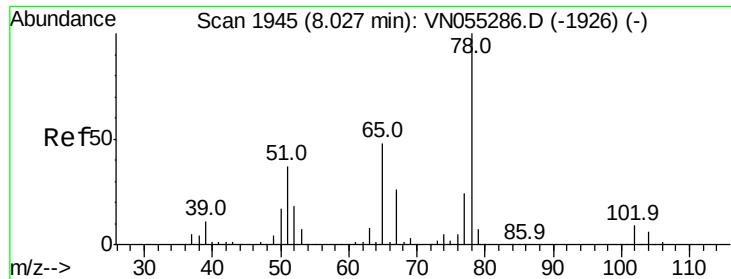
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#32
1,1,1-Trichloroethane
Concen: 48.737 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	49.4	39.0	58.6





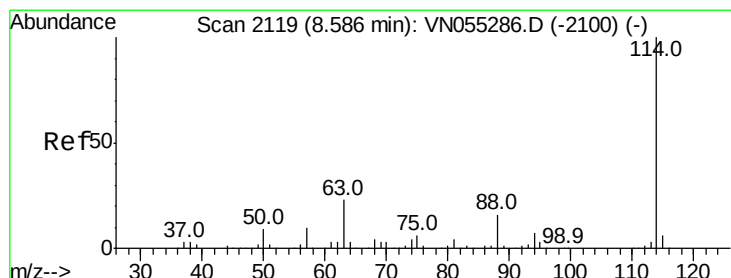
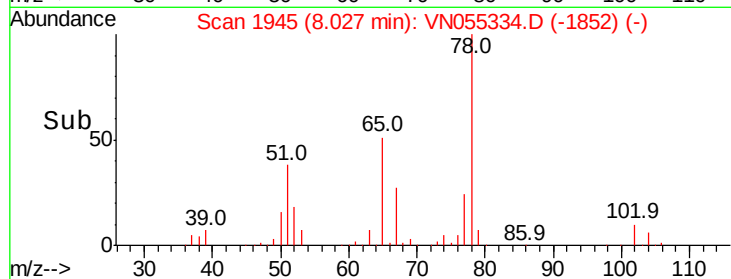
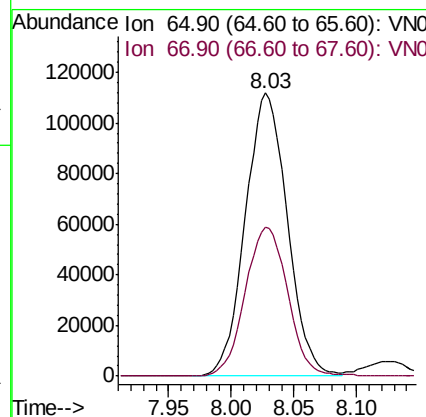
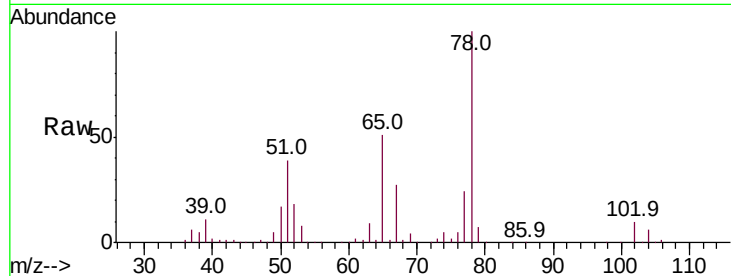
#33
 1,2-Dichloroethane-d4
 Concen: 51.209 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	261069		
67	53.4	0.0	106.8	

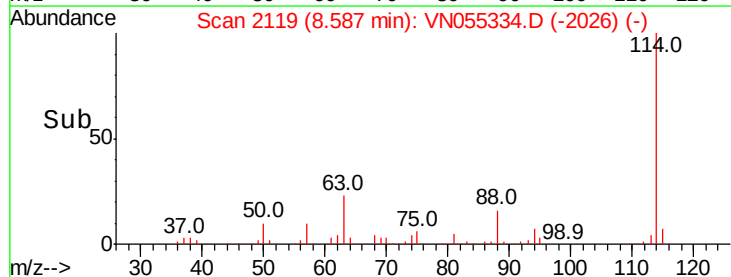
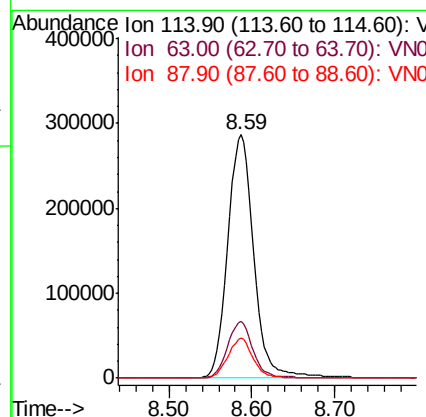
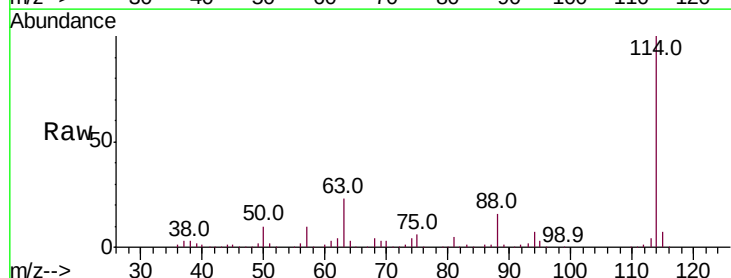
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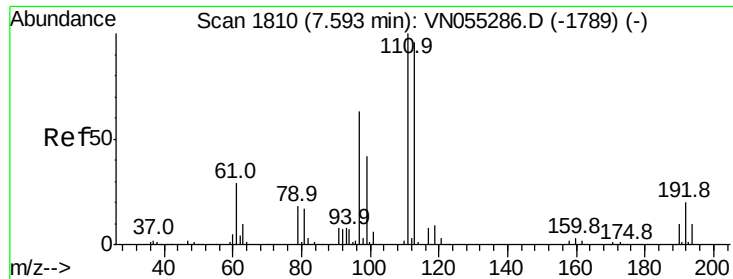
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	626517		
63	23.1	0.0	45.2	
88	16.3	0.0	31.6	





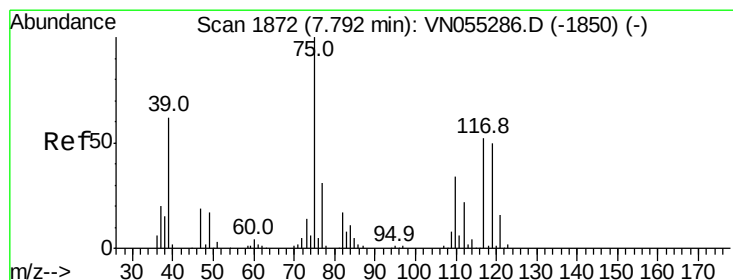
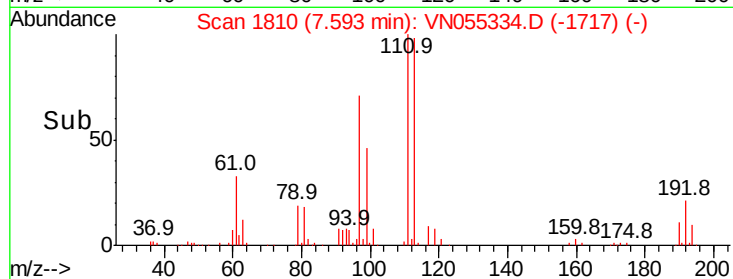
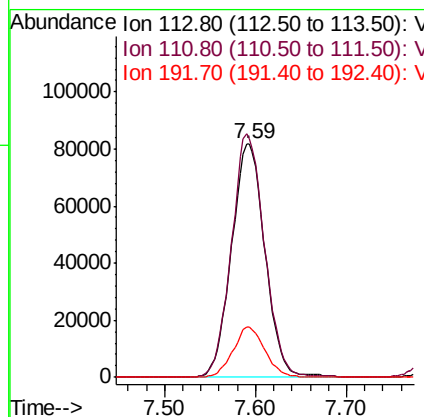
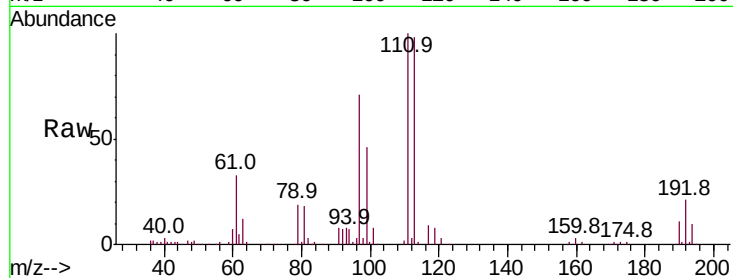
#35
 Dibromofluoromethane
 Concen: 50.842 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	20.6	17.0	25.6

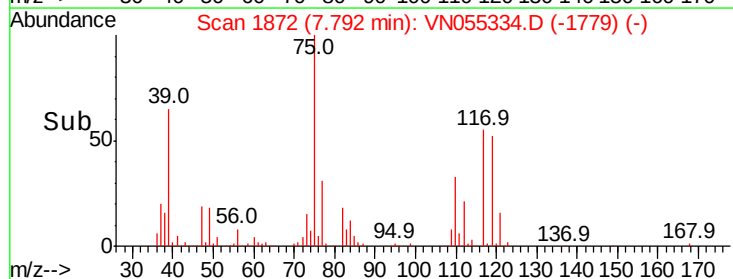
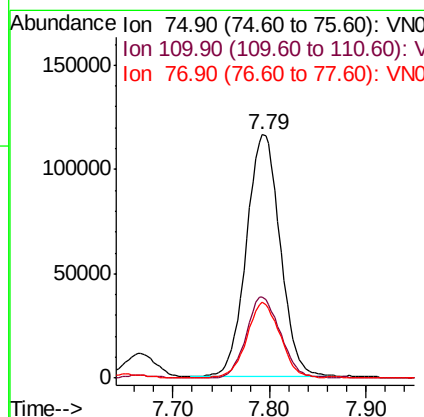
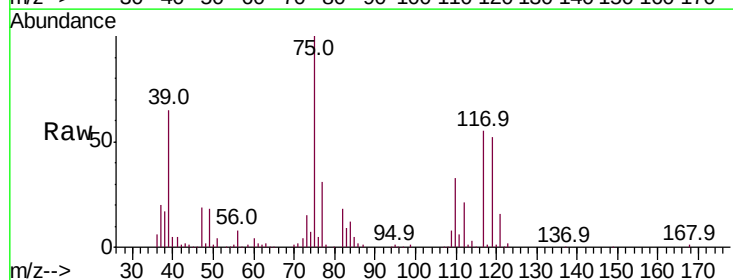
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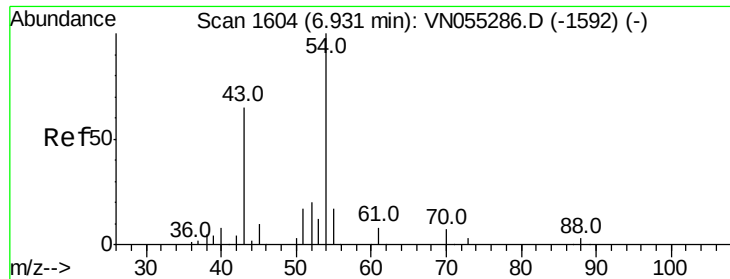
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#36
 1,1-Dichloropropene
 Concen: 47.246 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.8	50.4
77	30.4	25.0	37.6





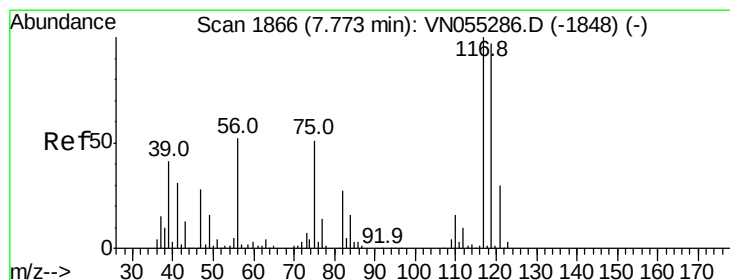
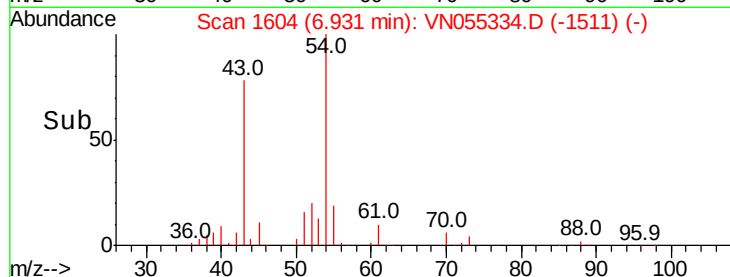
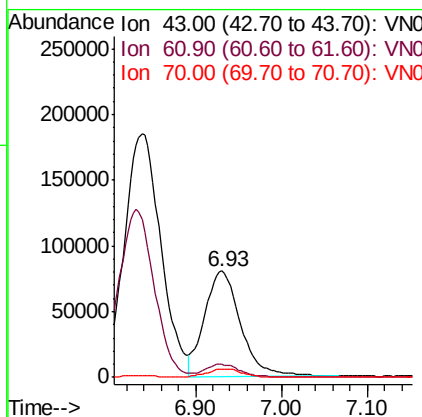
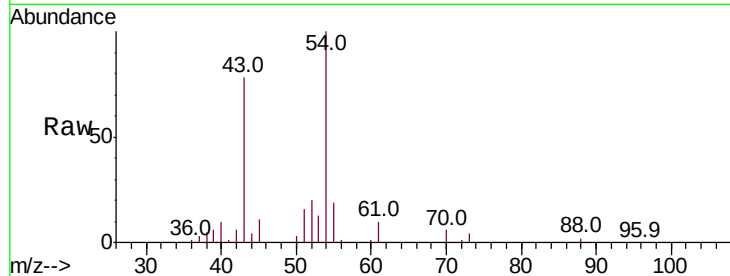
#37
Ethyl Acetate
Concen: 51.113 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	10.4	15.6
70	7.9	6.6	10.0

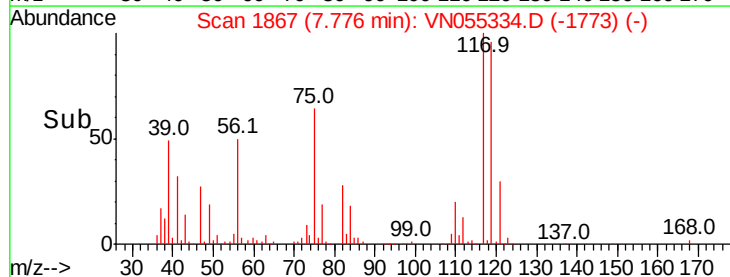
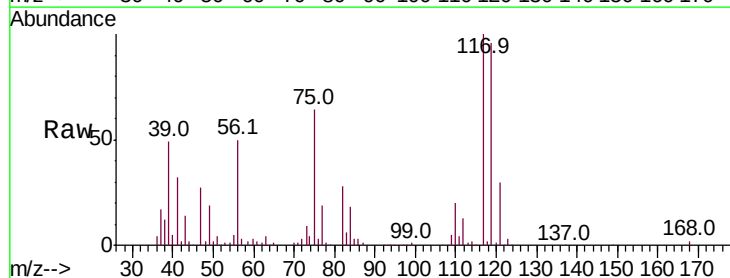
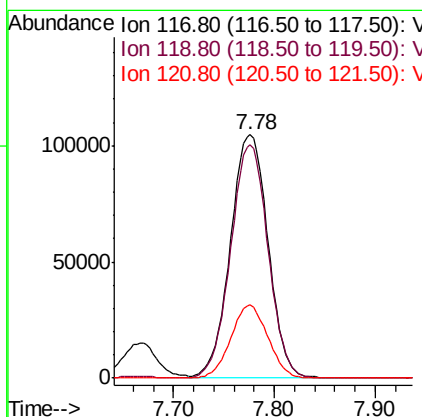
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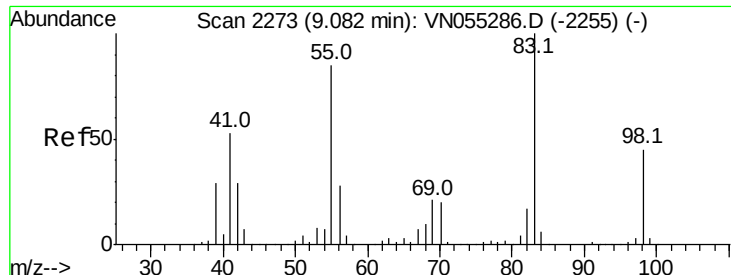
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#38
Carbon Tetrachloride
Concen: 47.015 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.6
121	30.0	23.8	35.8





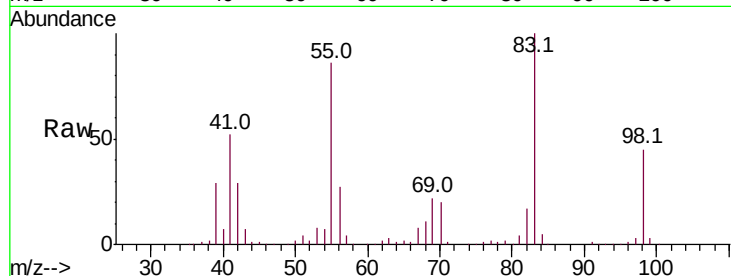
#39
Methylvlcyclohexane
Concen: 44.644 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	284845
Ion Ratio	100	Lower	Upper
83	100		
55	86.1	67.8	101.6
98	45.3	36.2	54.4

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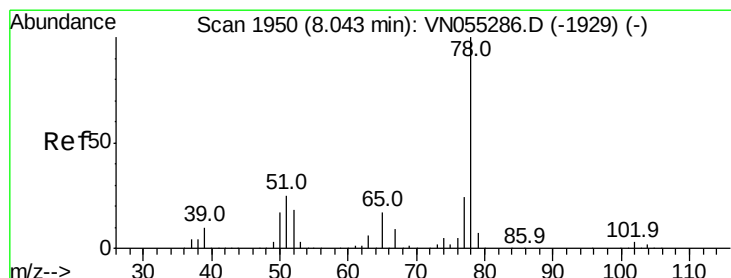
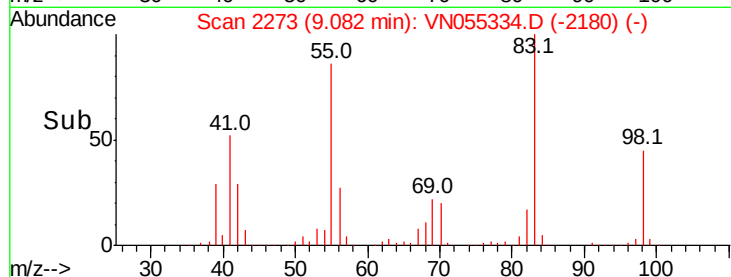
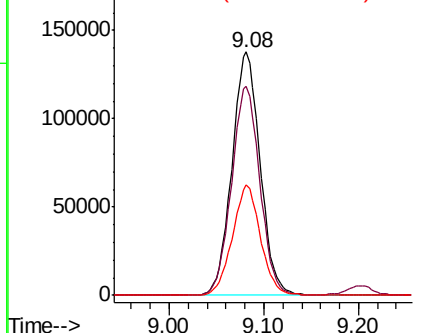


Abundance

Ion 83.00 (82.70 to 83.70): VN0

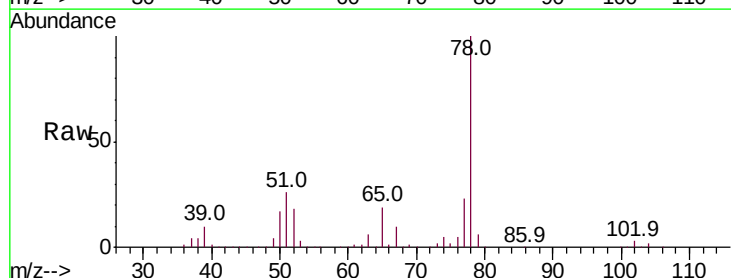
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 48.920 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

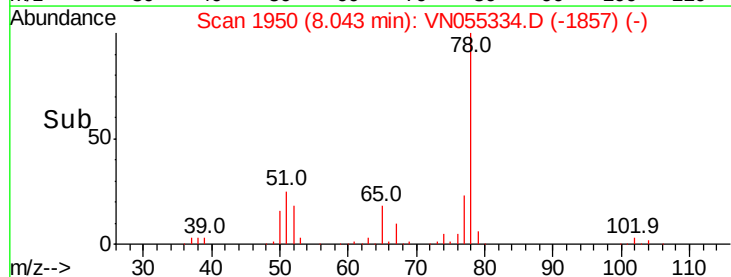
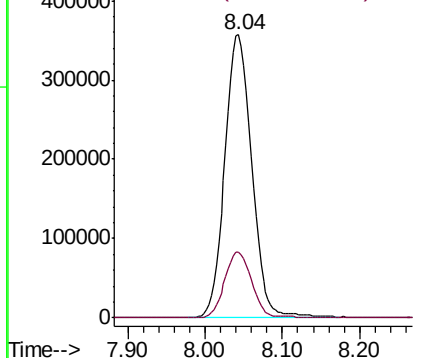
Tgt Ion	78	Resp	865425
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	19.0	28.6

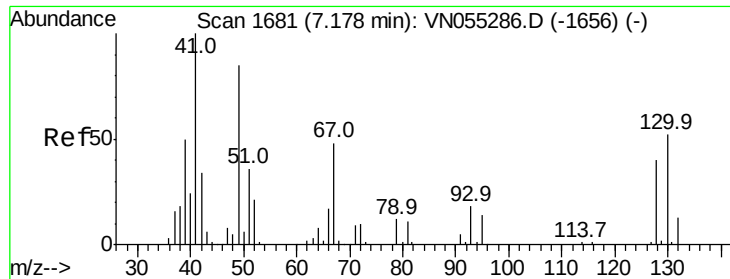


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





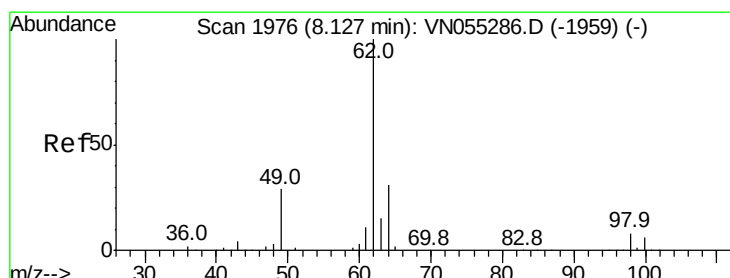
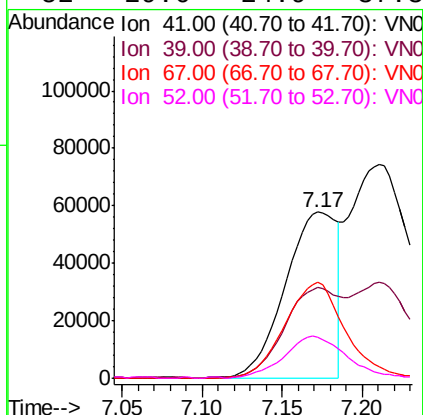
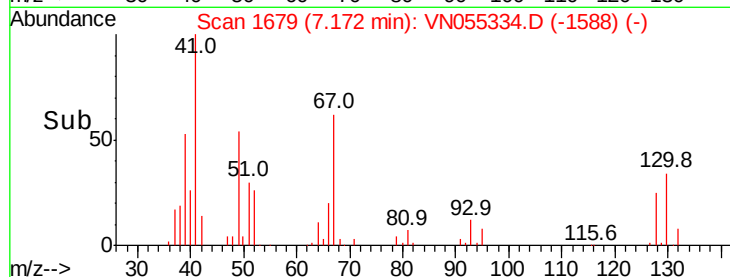
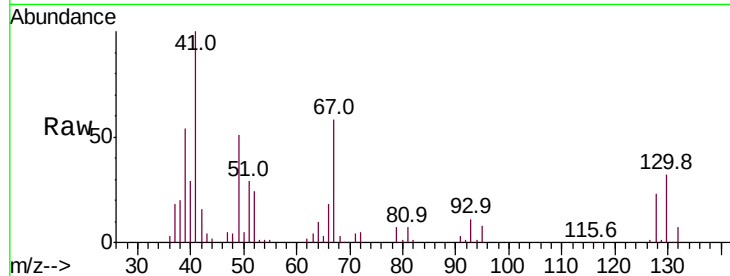
#41
Methacrylonitrile
Concen: 52.428 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.2	48.5	72.7
67	68.5	54.9	82.3
52	29.6	24.9	37.3

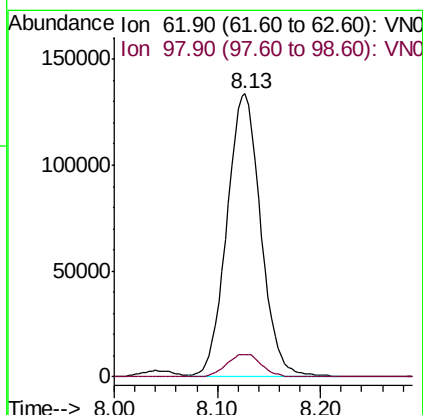
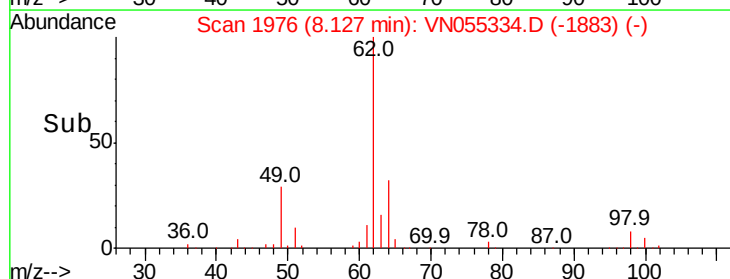
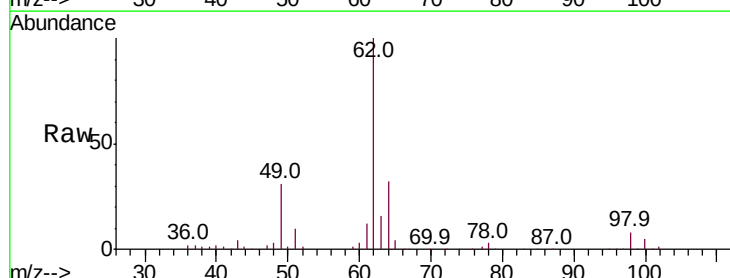
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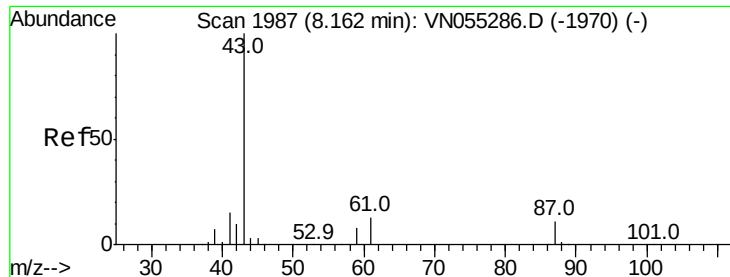
MMDadoda
5/2/2019 9:35:46 AM



#42
1,2-Dichloroethane
Concen: 48.666 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





#43

Isopropyl Acetate

Concen: 54.118 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

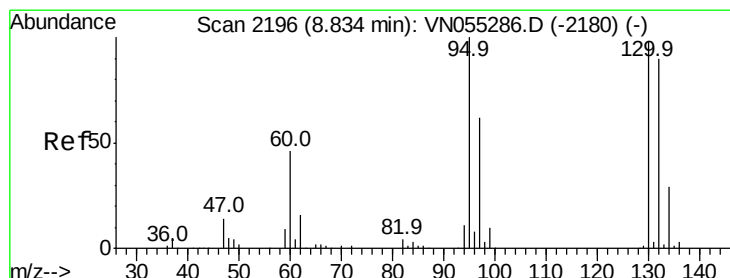
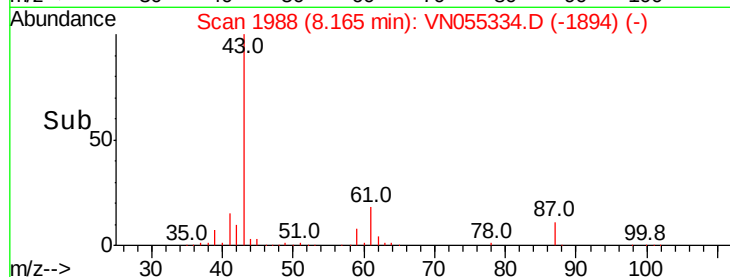
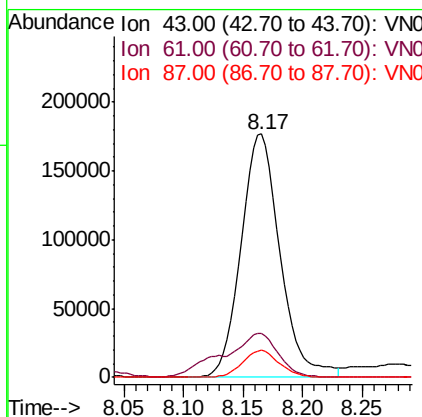
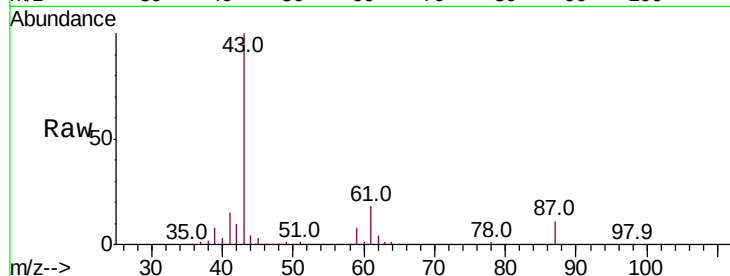
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	400009
Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.8	31.2
87	10.6	8.5	12.7

Manual Integrations
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#44

Trichloroethene

Concen: 47.047 ug/l

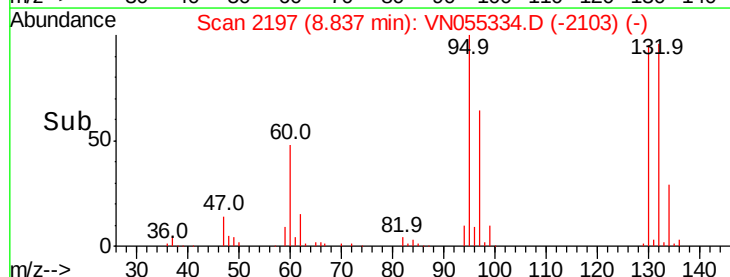
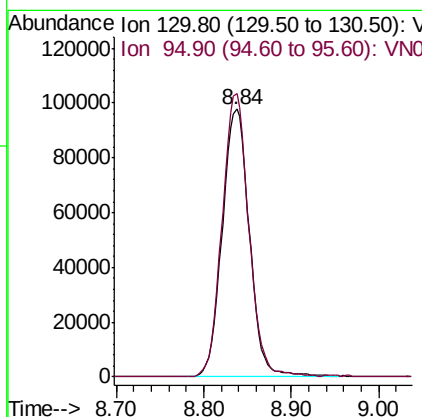
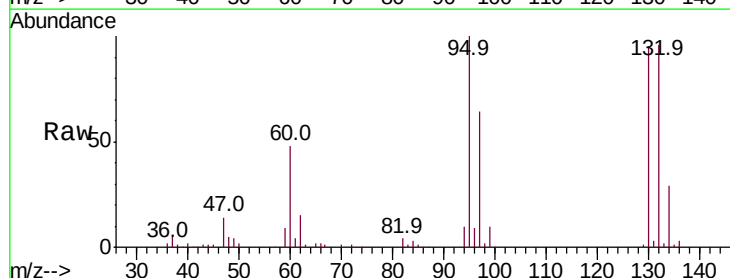
RT: 8.84 min Scan# 2197

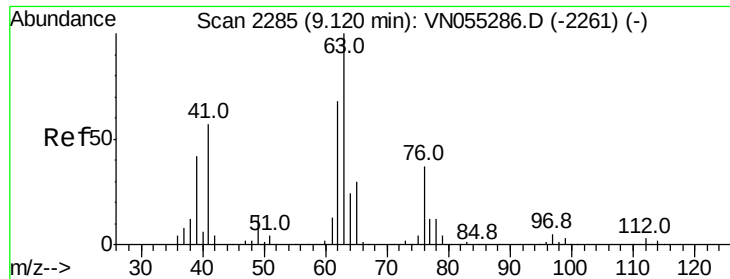
Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tgt Ion:	130	Resp:	212176
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	203.4





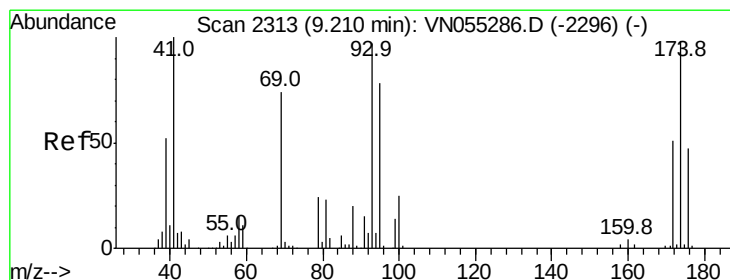
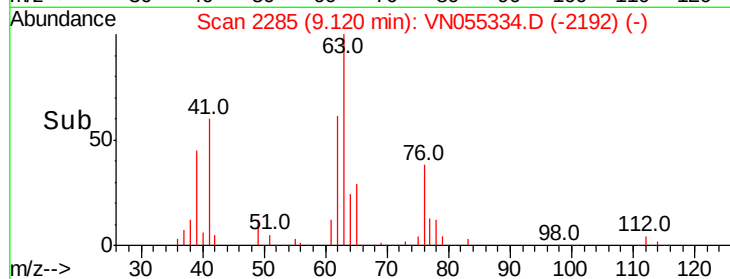
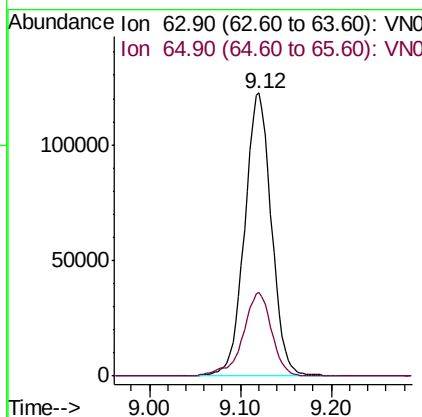
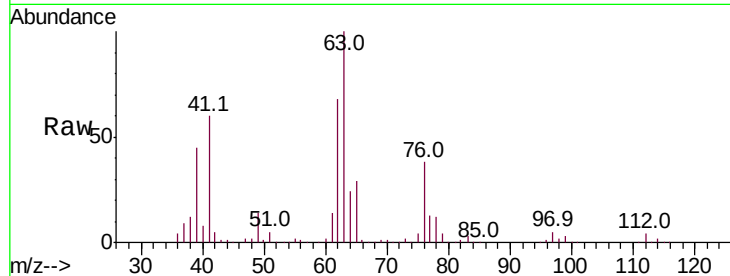
#45
 1,2-Dichloropropane
 Concen: 49.165 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 250854
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.9 35.9

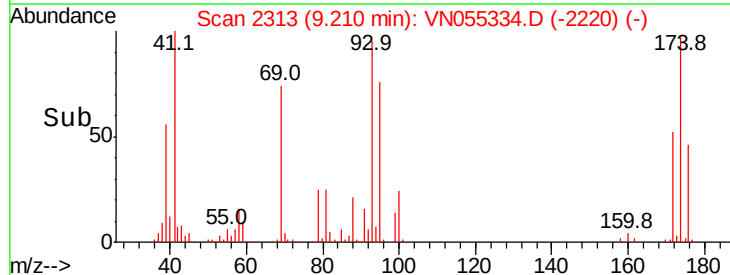
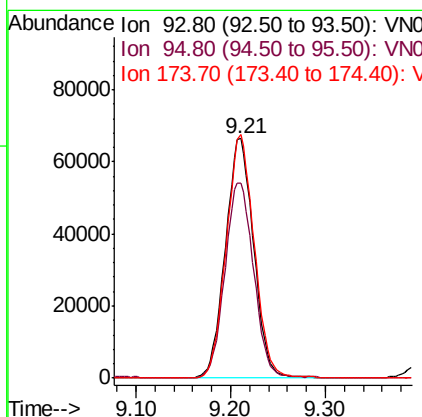
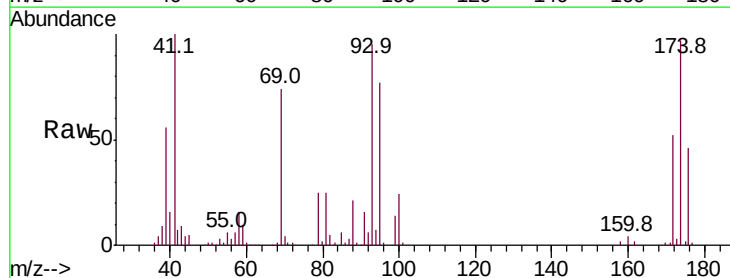
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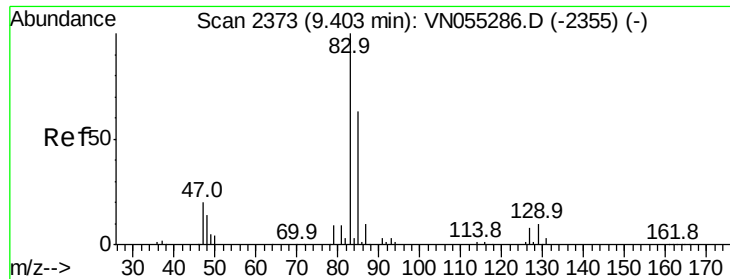
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#46
 Dibromomethane
 Concen: 49.503 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion: 93 Resp: 138060
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.7 98.5
 174 100.7 81.5 122.3





#47

Bromodichloromethane

Concen: 50.472 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 301978

Ion Ratio Lower Upper

83 100

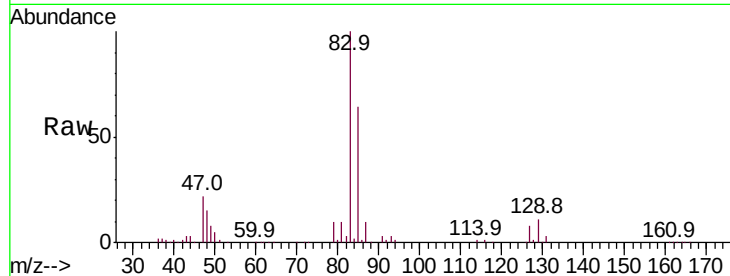
85 63.6 50.1 75.1

127 8.4 6.7 10.1

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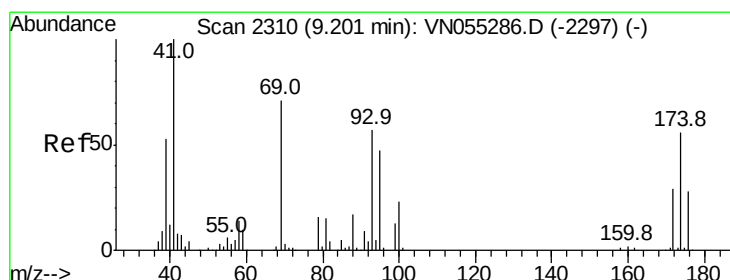
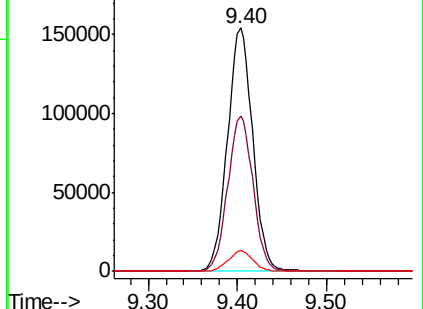
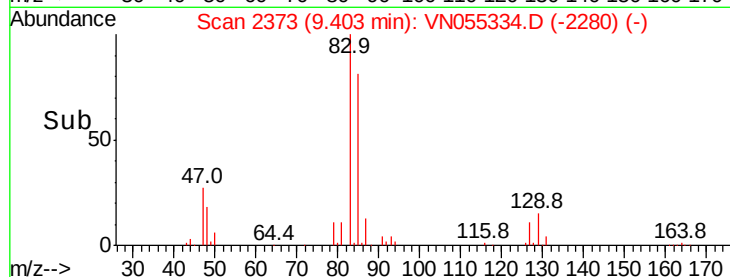


Abundance Ion 82.90 (82.60 to 83.60): VN055334.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055334.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055334.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 51.032 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

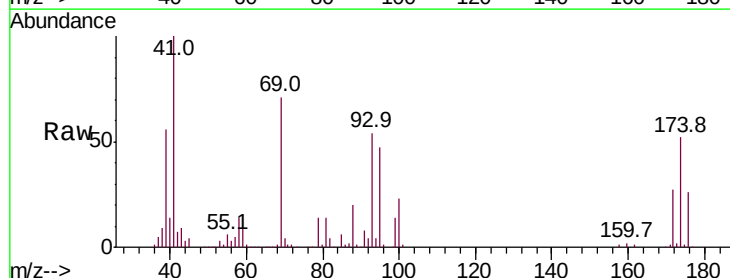
Tgt Ion: 41 Resp: 185430

Ion Ratio Lower Upper

41 100

69 76.9 58.6 87.8

39 57.6 43.8 65.6

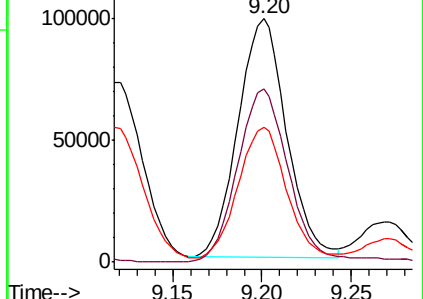
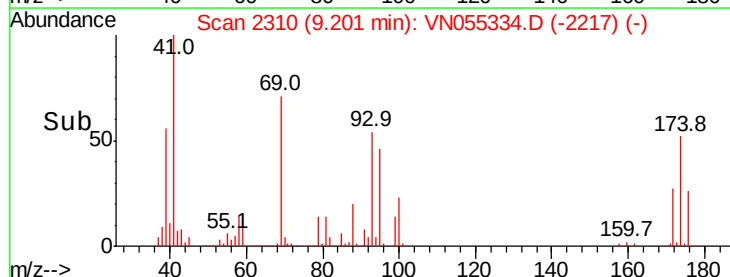


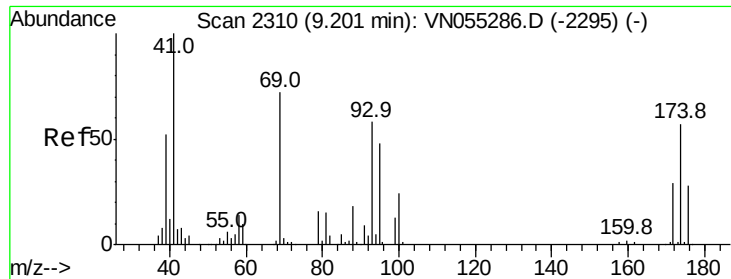
Abundance Ion 41.00 (40.70 to 41.70): VN055334.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055334.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055334.D (-2217) (-)

Time-->





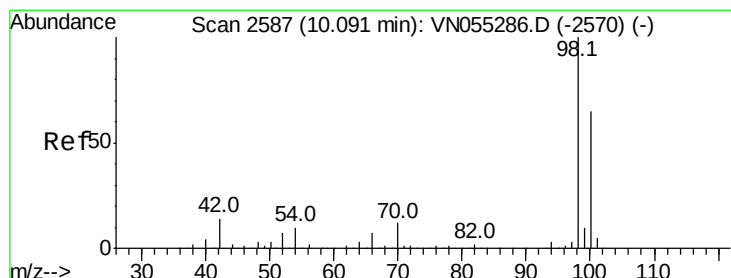
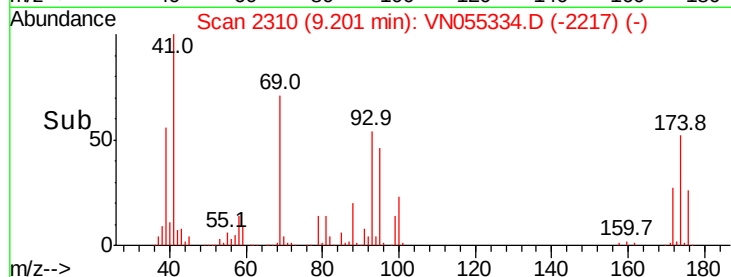
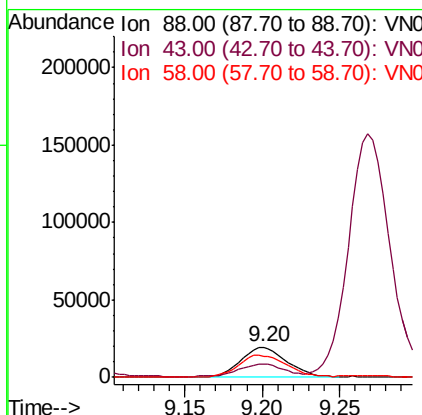
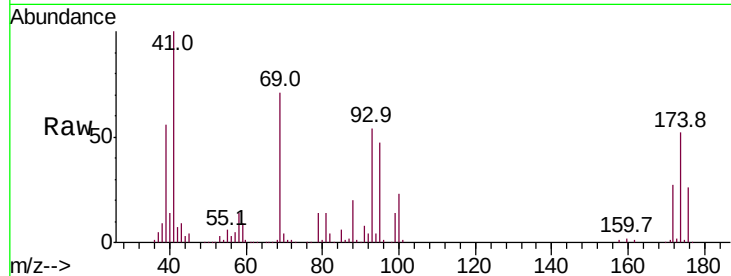
#49
1,4-Dioxane
Concen: 1071.273 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	40239
Ion	Ratio	Lower	Upper
88	100		
43	40.5	33.3	49.9
58	78.0	62.7	94.1

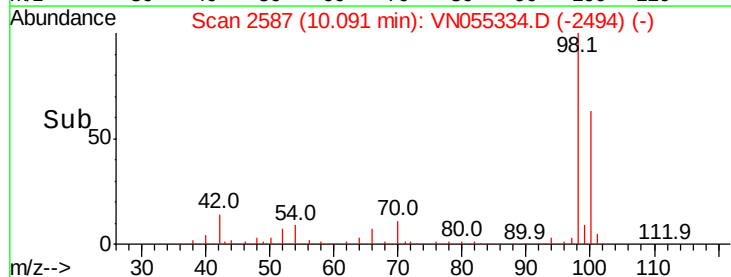
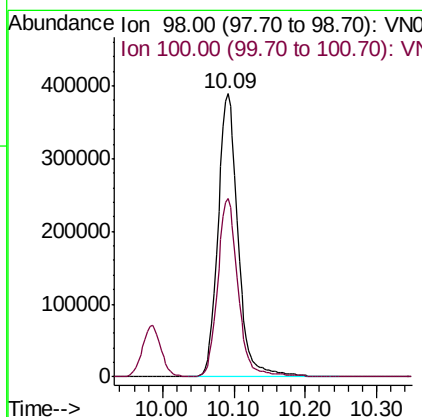
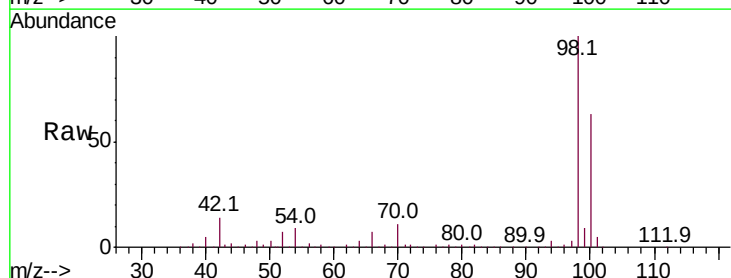
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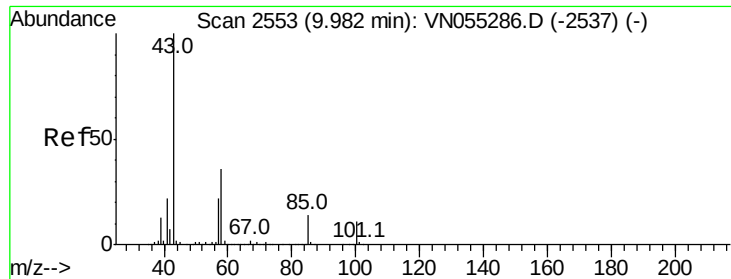
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#50
Toluene-d8
Concen: 51.003 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	98	Resp	757342
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 271.157 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tot Ion: 43 Resp: 1128406

Ion Ratio Lower Upper

43 100

58 34.8 28.5 42.7

Instrument :

MSVOA_N

ClientSampleId :

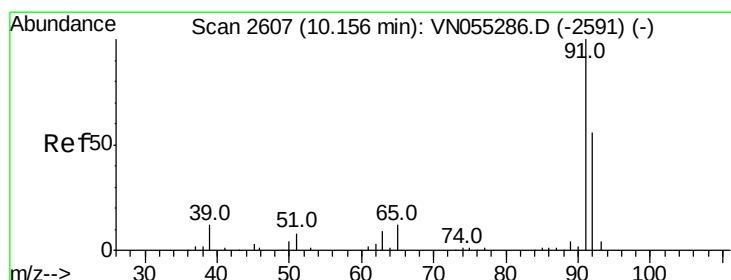
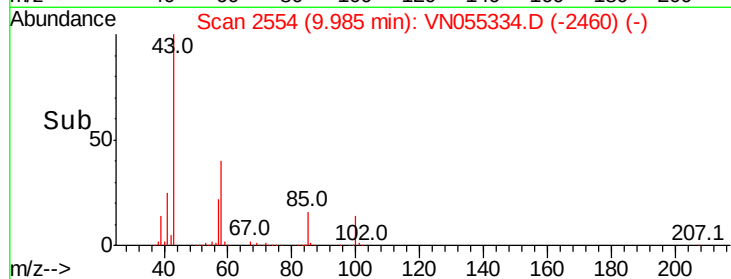
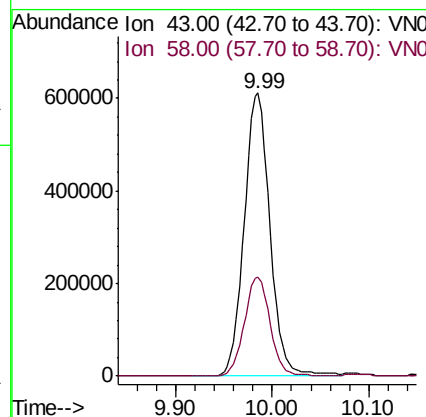
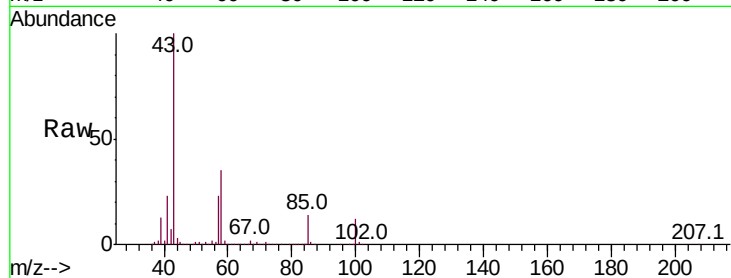
VSTDCCC050EC

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#52

Toluene

Concen: 49.854 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055334.D

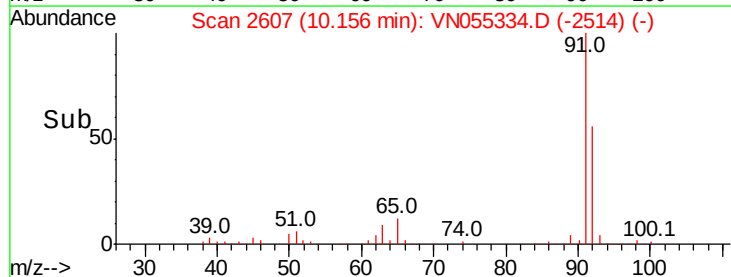
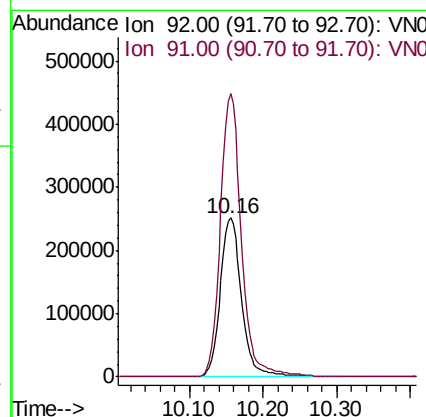
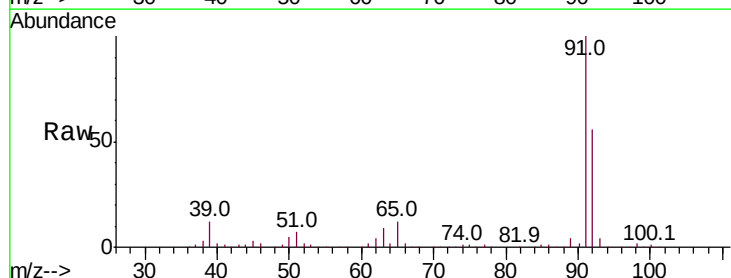
Acq: 1 May 2019 17:36

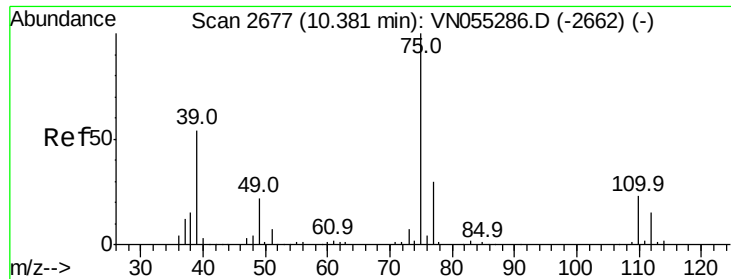
Tgt Ion: 92 Resp: 506047

Ion Ratio Lower Upper

92 100

91 175.2 140.1 210.1





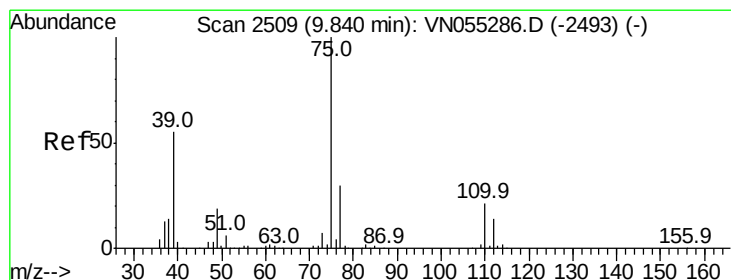
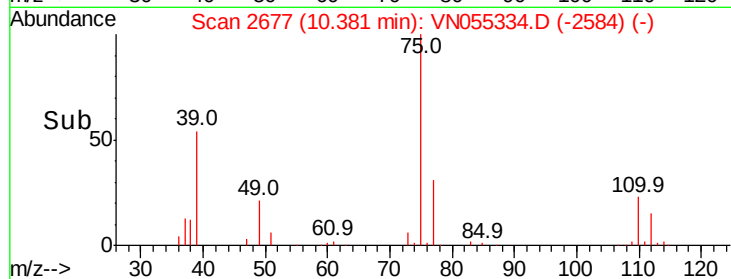
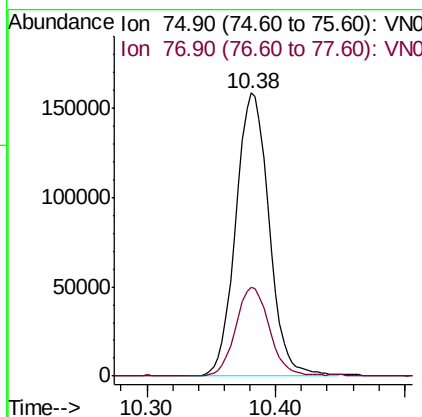
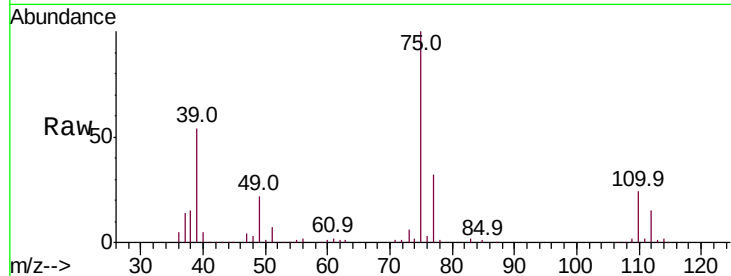
#53
 t-1,3-Dichloropropene
 Concen: 54.880 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 285045
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.4 36.6

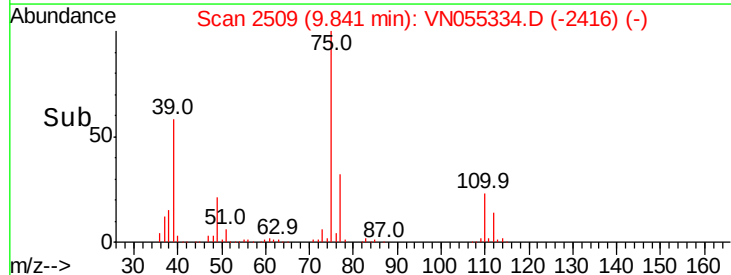
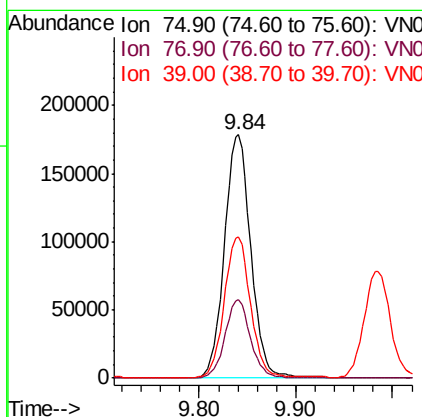
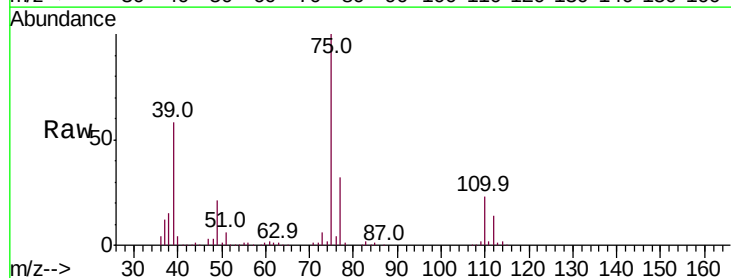
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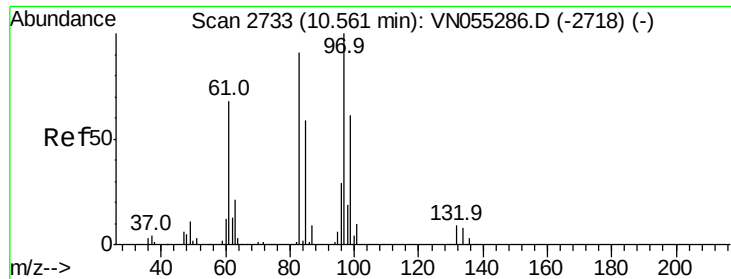
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#54
 cis-1,3-Dichloropropene
 Concen: 52.248 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion: 75 Resp: 338351
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.2 36.2
 39 58.1 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 50.127 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 188943

Ion Ratio Lower Upper

97 100

83 91.0 72.8 109.2

85 56.8 47.0 70.6

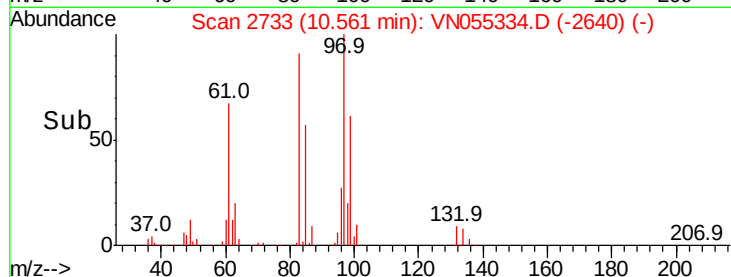
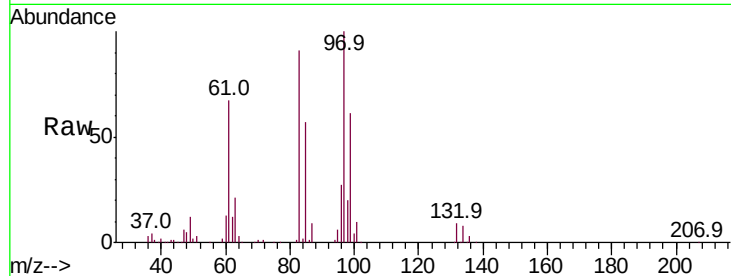
99 60.9 49.0 73.4

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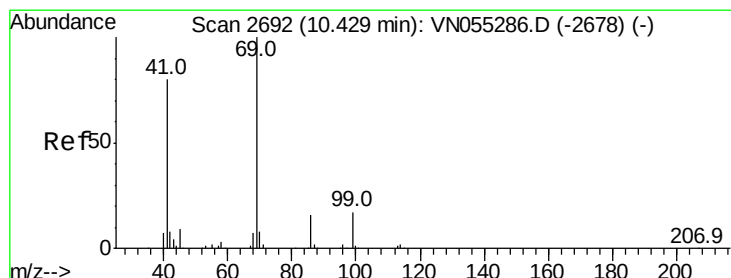
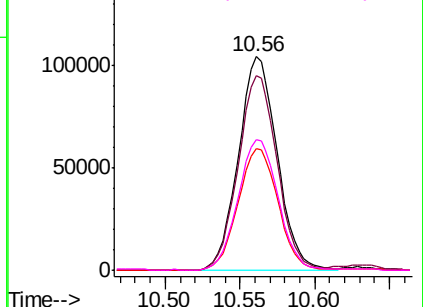


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 54.572 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

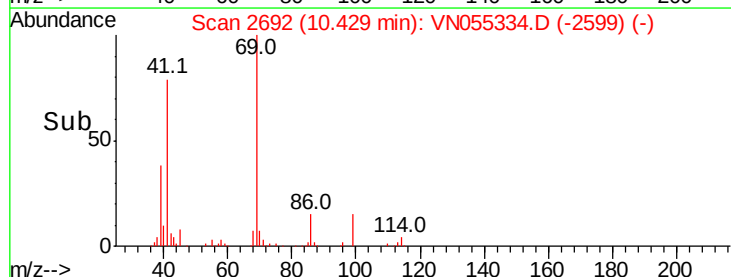
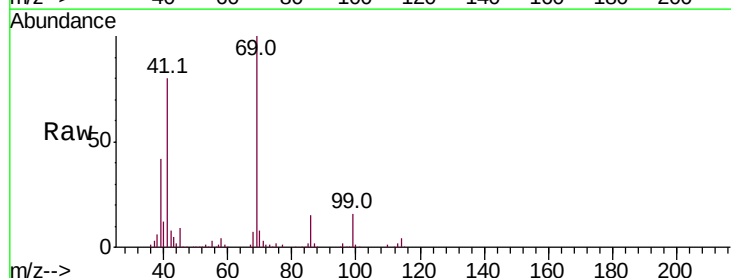
Tgt Ion: 69 Resp: 253181

Ion Ratio Lower Upper

69 100

41 79.5 62.7 94.1

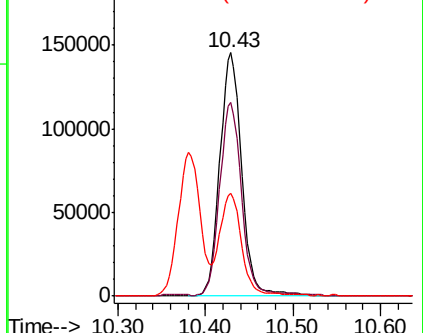
39 42.0 32.0 48.0

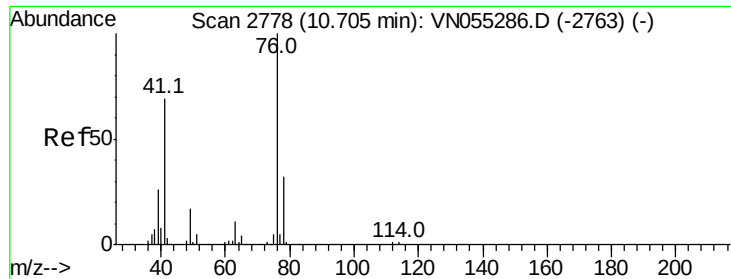


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





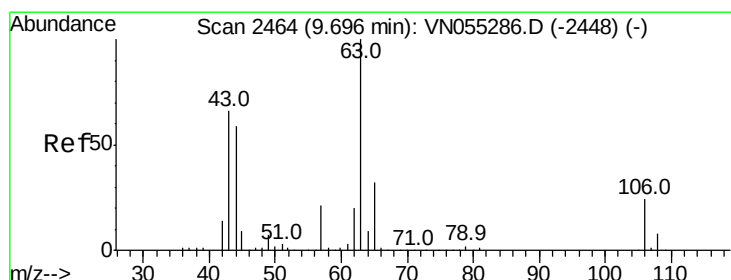
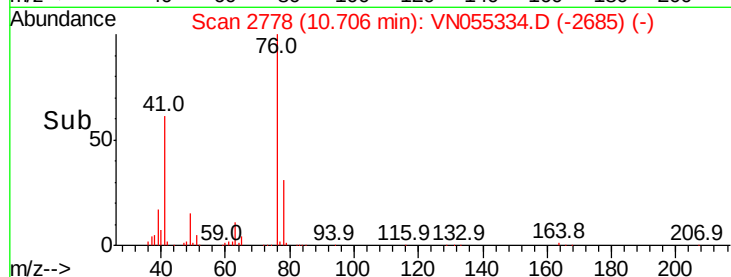
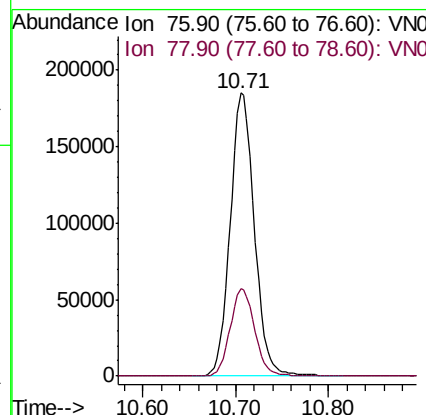
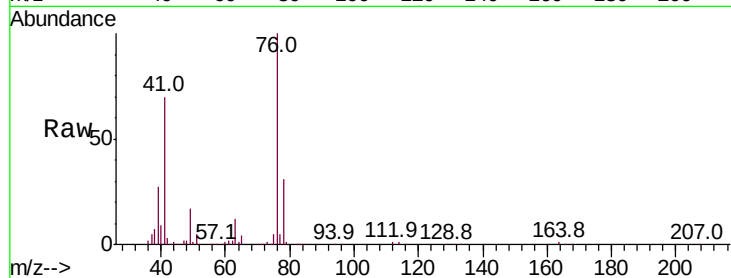
#57
 1,3-Dichloropropane
 Concen: 50.605 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 334616
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.6 38.4

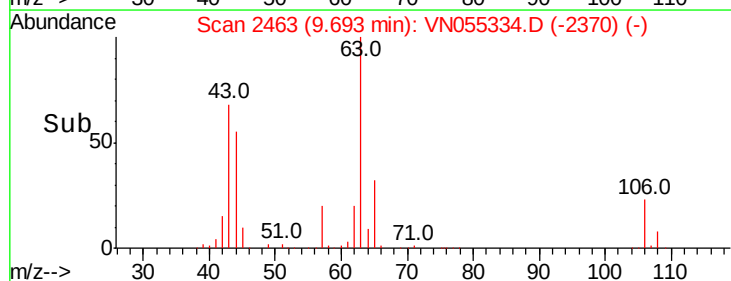
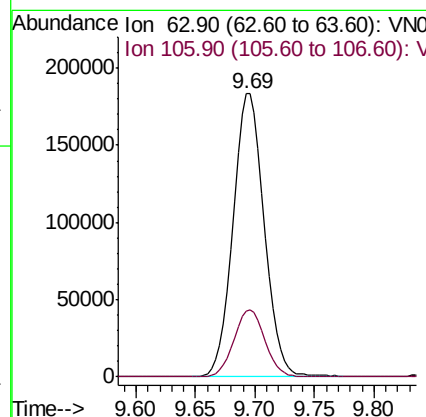
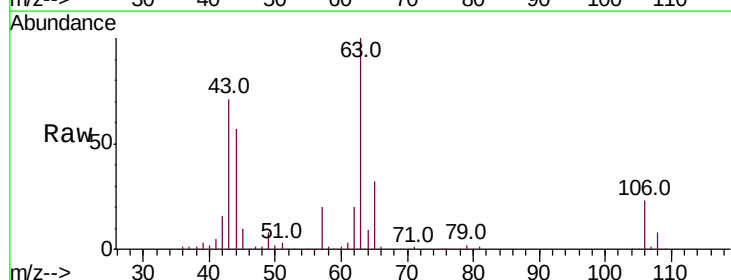
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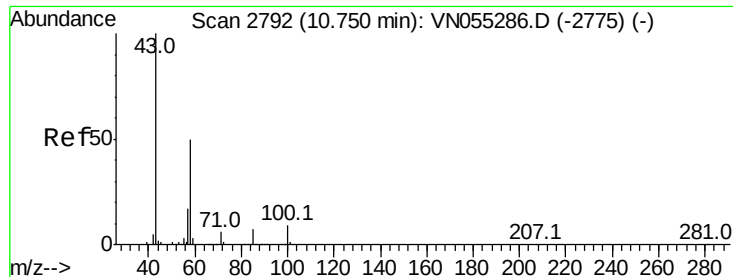
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#58
 2-Chloroethyl Vinyl ether
 Concen: 232.074 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion: 63 Resp: 332798
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.0 28.4





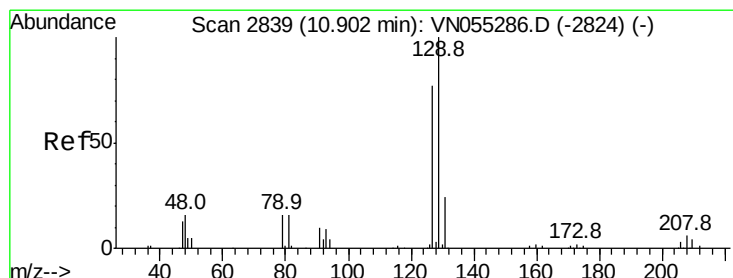
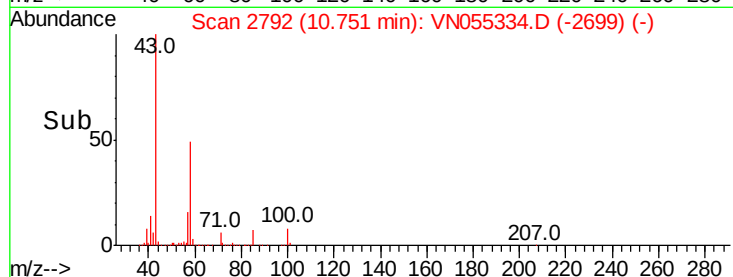
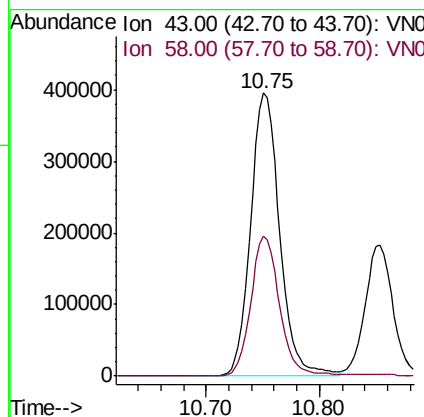
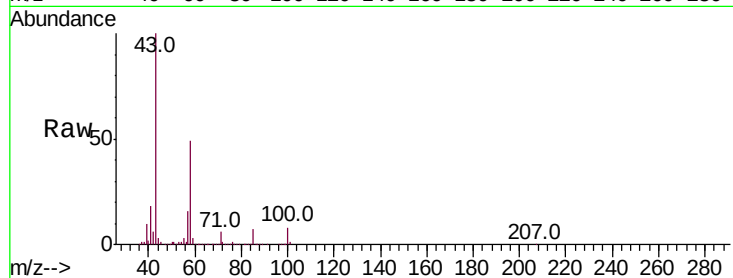
#59
 2-Hexanone
 Concen: 270.798 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	24.9	74.6

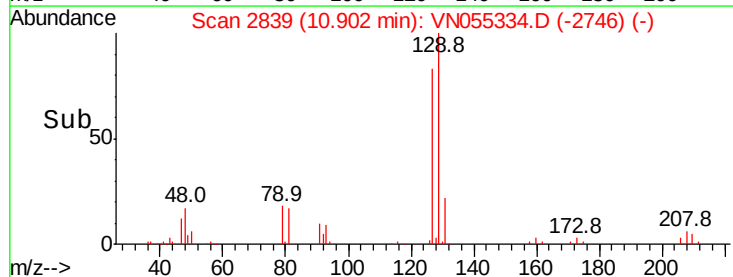
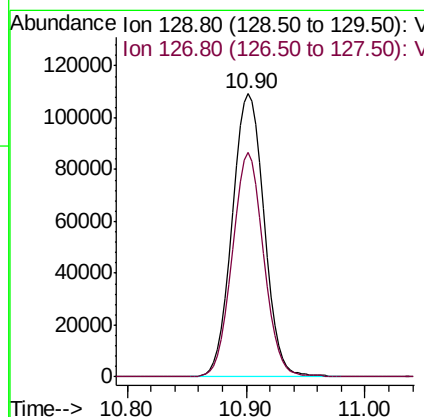
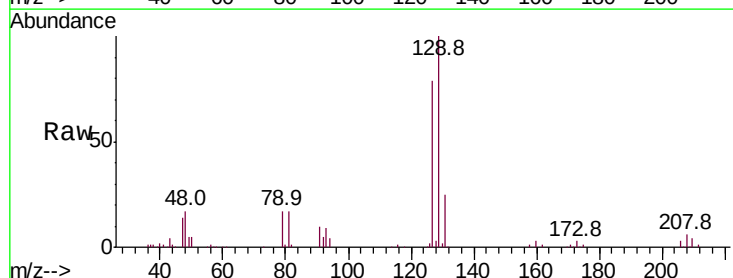
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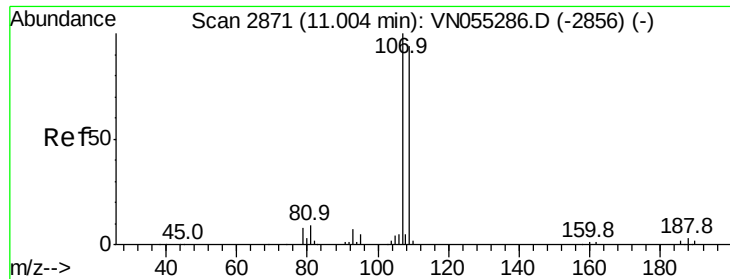
MMDadoda
 5/2/2019 9:35:46 AM



#60
 Dibromochloromethane
 Concen: 52.918 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.1	114.5





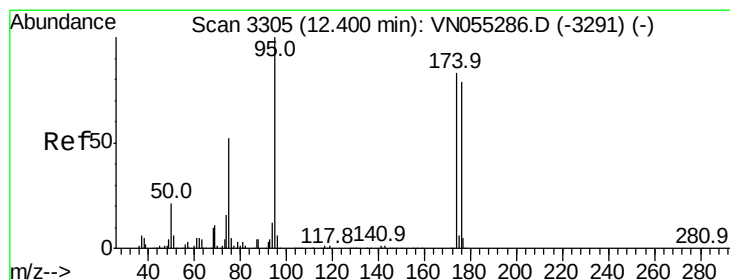
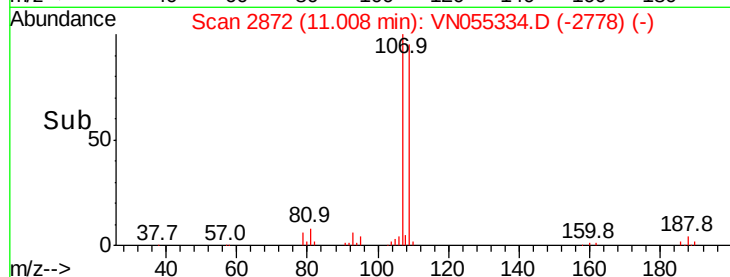
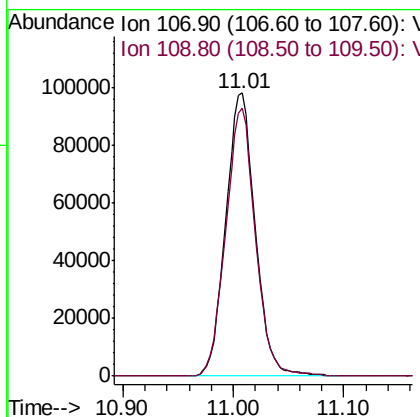
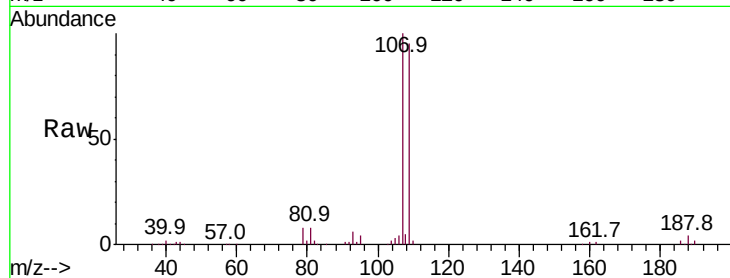
#61
 1,2-Dibromoethane
 Concen: 52.039 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.0	112.6

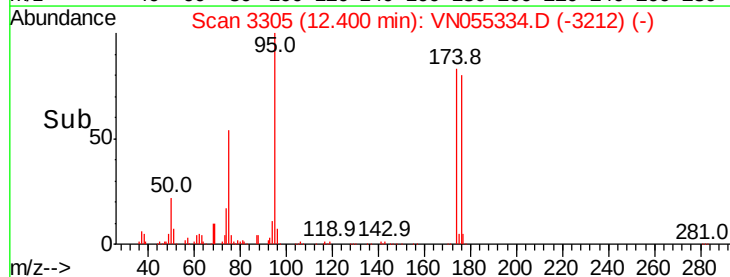
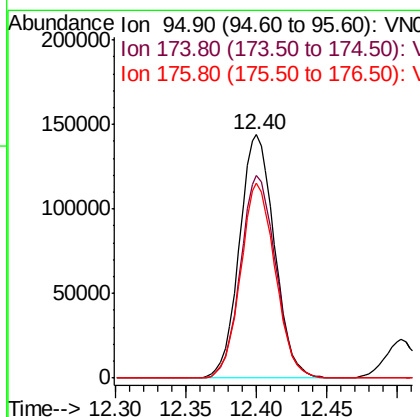
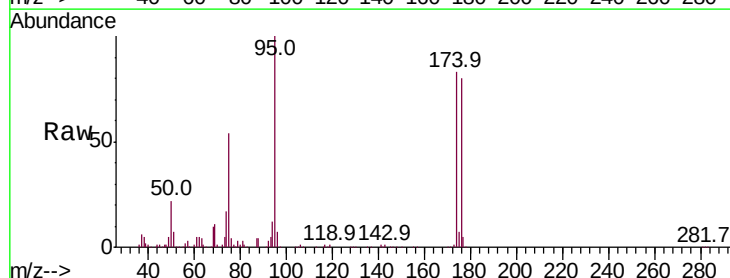
Manual Integrations
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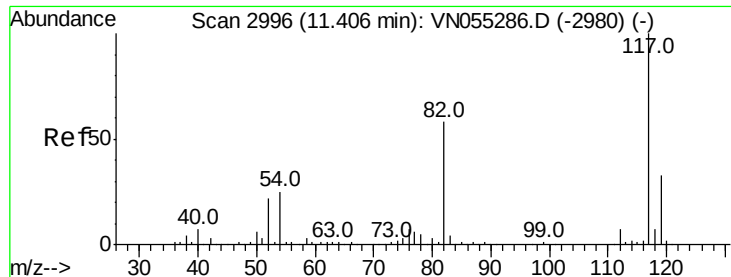
MMDadoda
 5/2/2019 9:35:46 AM



#62
 4-Bromofluorobenzene
 Concen: 54.015 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.6
176	79.2	0.0	157.8





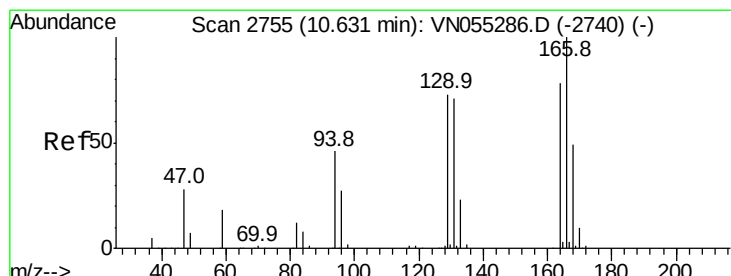
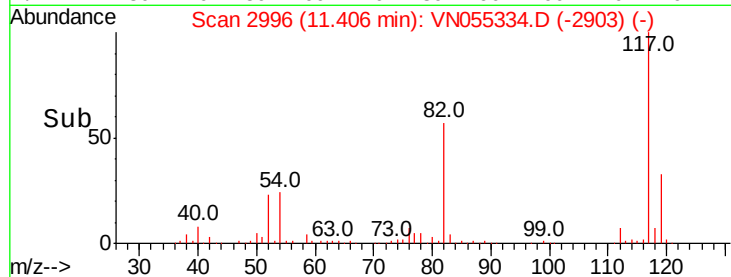
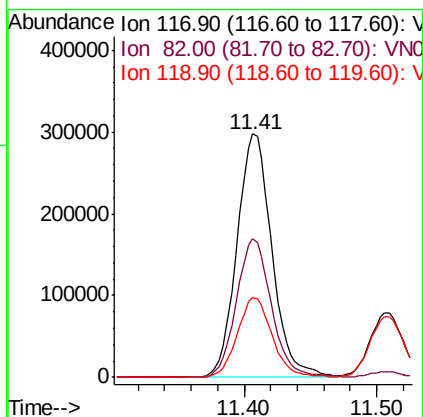
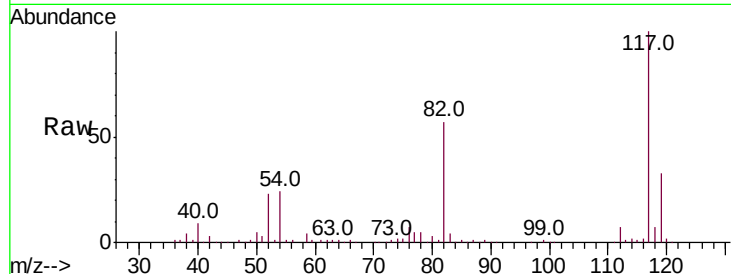
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.2	69.4
119	33.0	26.6	40.0

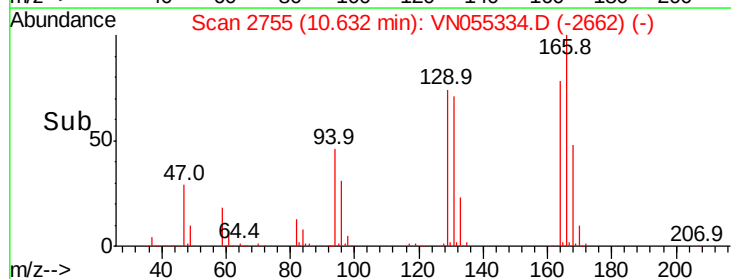
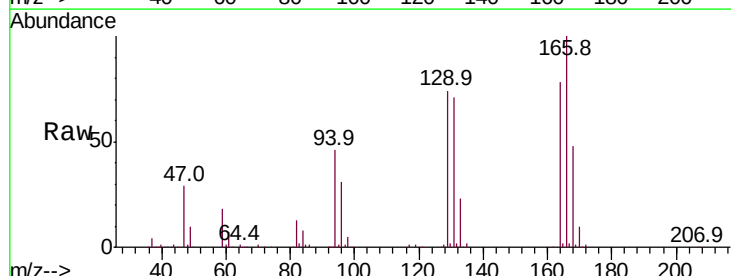
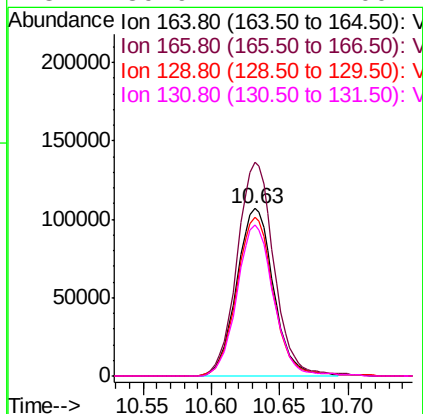
Manual Integrations
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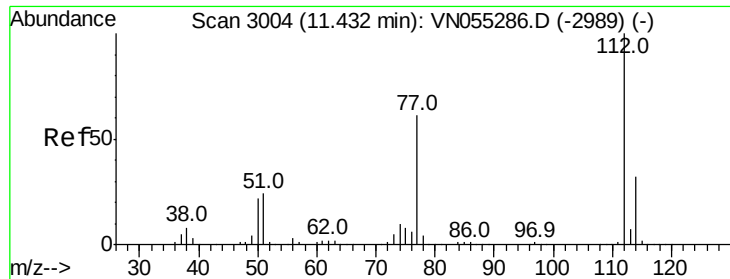
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#64
Tetrachloroethene
Concen: 44.983 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.3	153.5
129	94.9	75.0	112.6
131	89.9	72.7	109.1





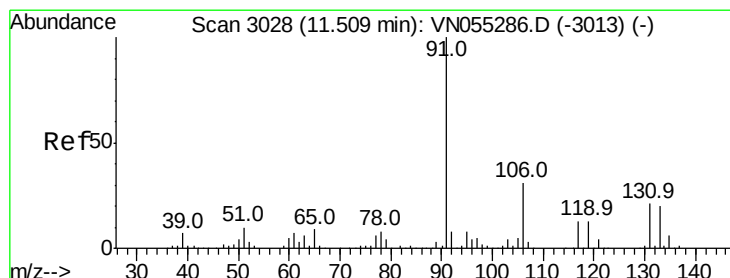
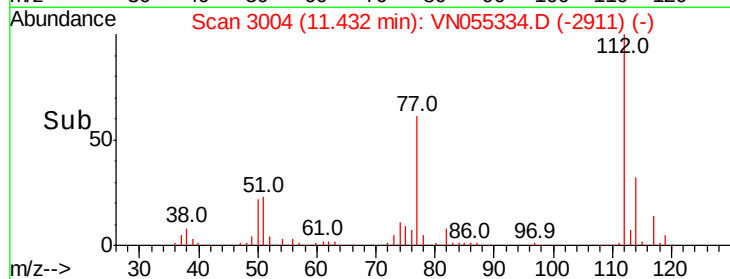
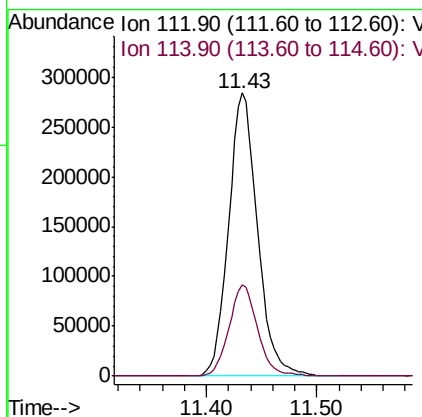
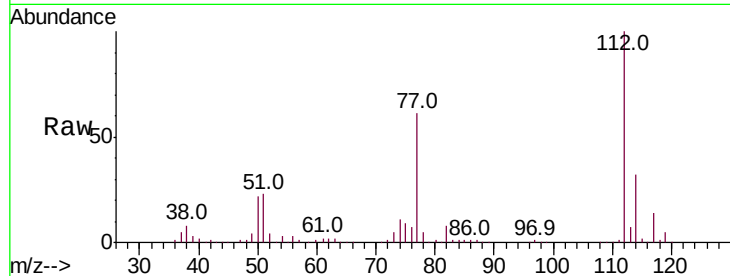
#65
Chlorobenzene
Concen: 48.284 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 514919
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

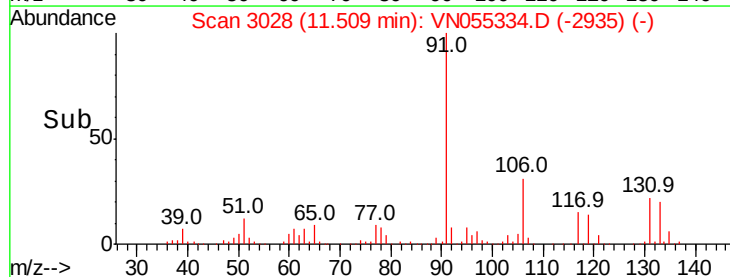
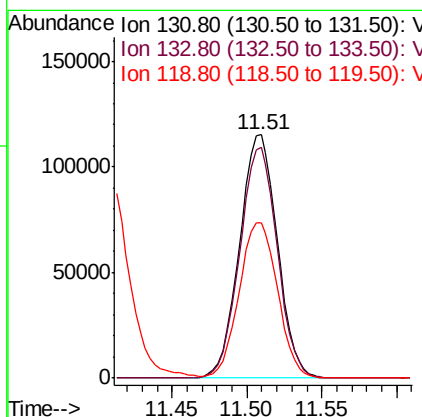
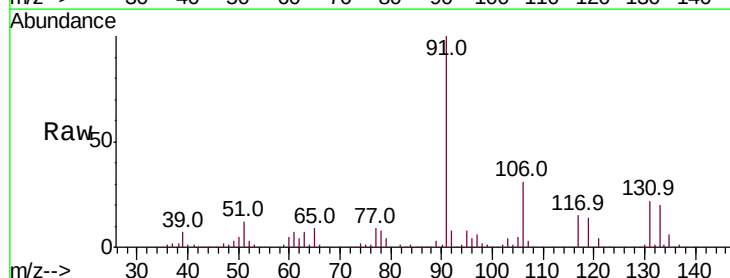
Manual Integrations
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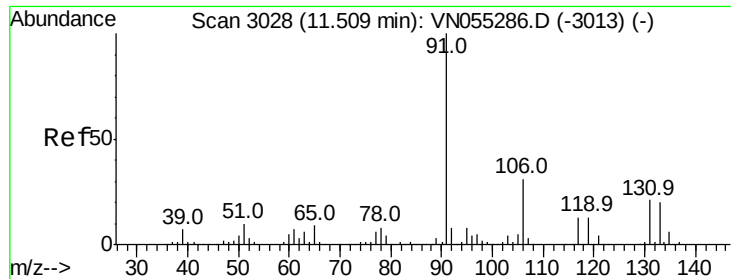
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.551 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion:131 Resp: 202738
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 65.1 32.7 98.1





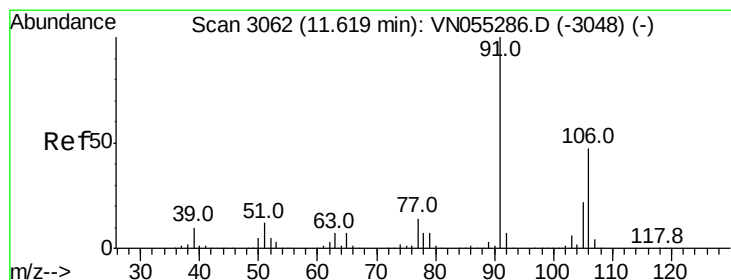
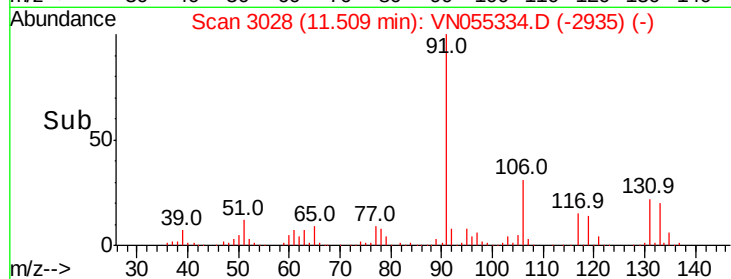
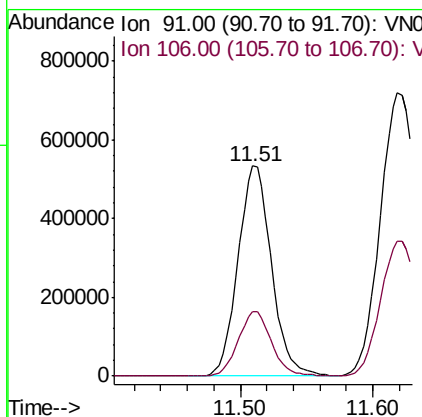
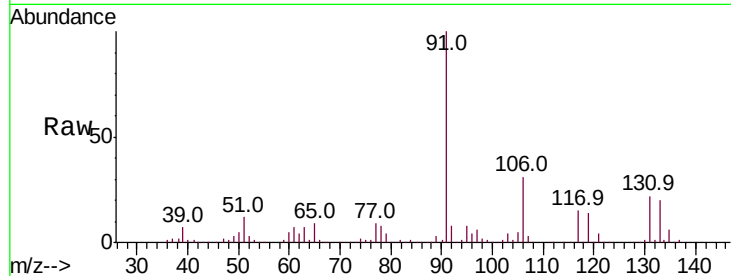
#67
Ethyl Benzene
Concen: 48.659 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 937056
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

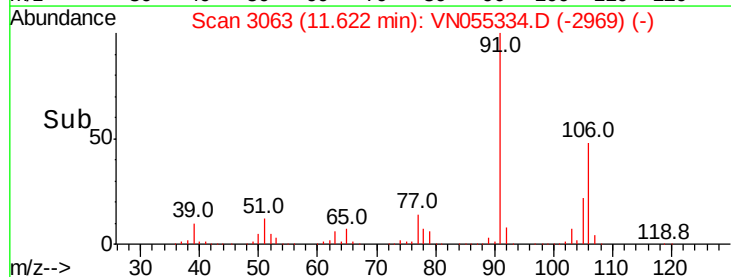
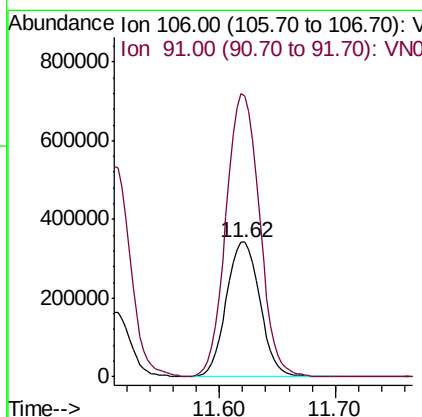
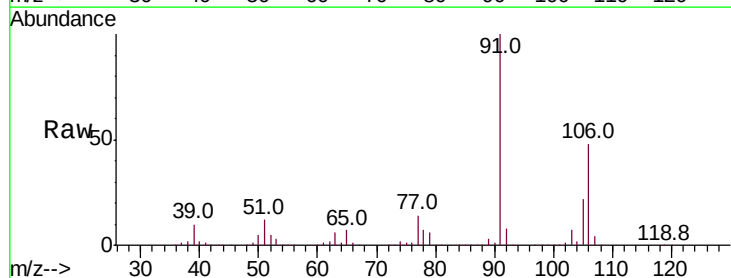
Manual Integrations
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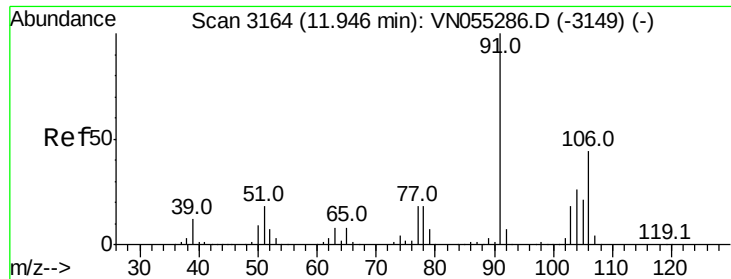
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#68
m/p-Xylenes
Concen: 100.503 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion: 106 Resp: 690841
Ion Ratio Lower Upper
106 100
91 209.0 169.5 254.3





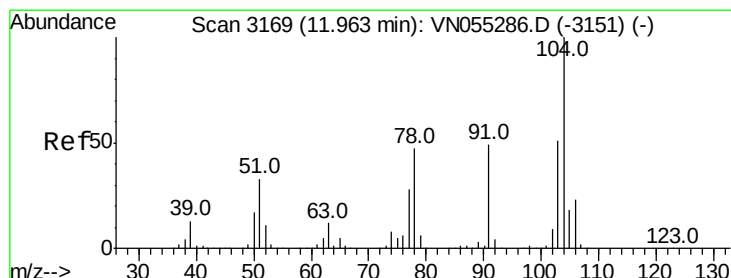
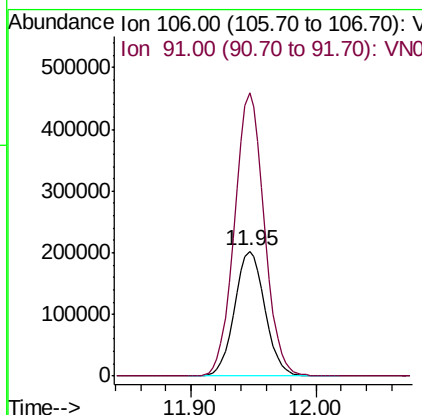
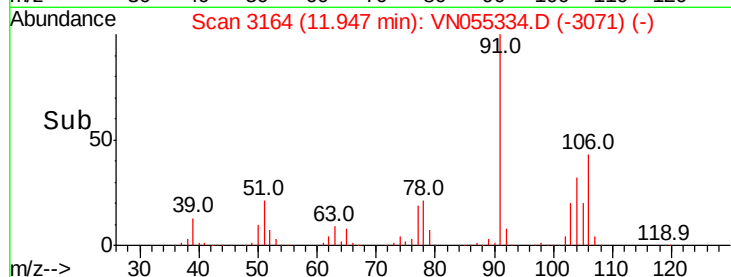
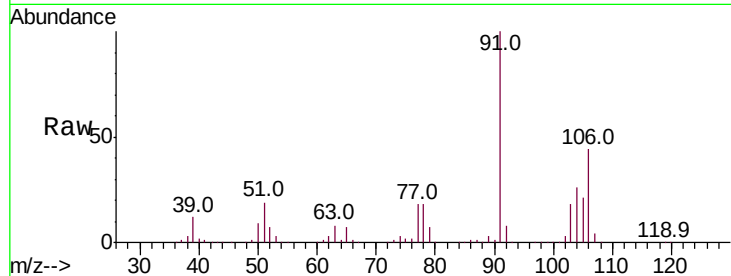
#69
o-Xylene
Concen: 49.966 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 340425
Ion Ratio Lower Upper
106 100
91 221.9 111.5 334.5

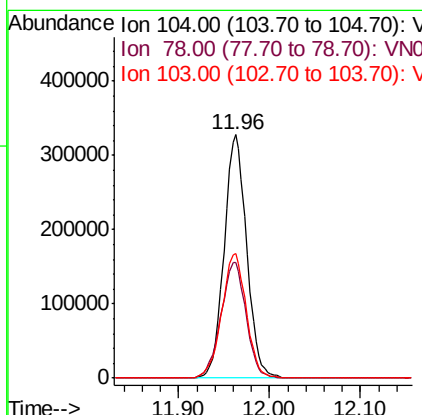
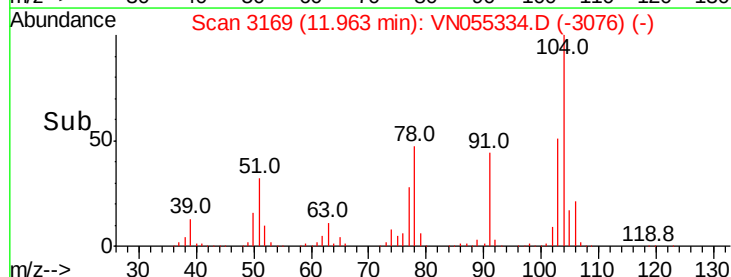
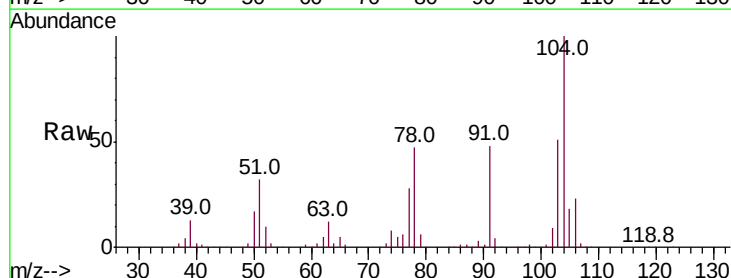
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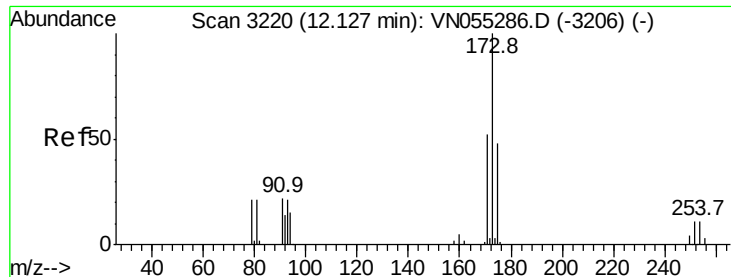
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#70
Styrene
Concen: 53.900 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion:104 Resp: 563842
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.6 44.6 67.0





#71

Bromoform

Concen: 55.215 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 127938

Ion Ratio Lower Upper

173 100

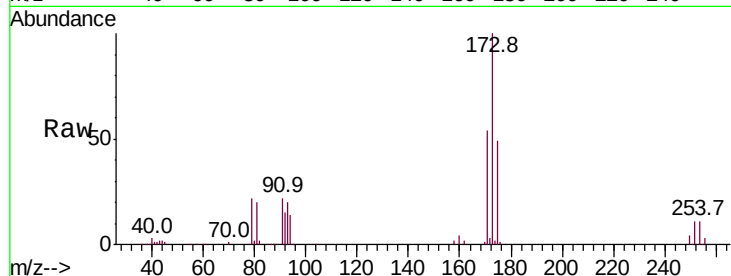
175 47.6 23.6 71.0

254 0.1 0.0 0.0#

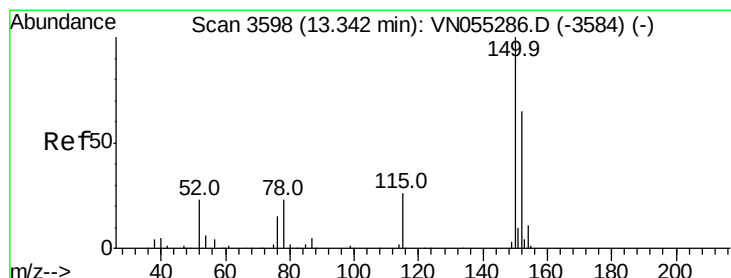
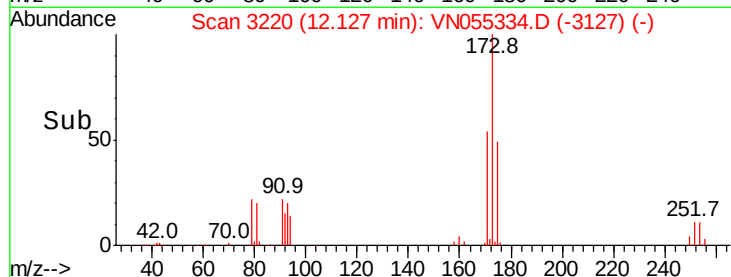
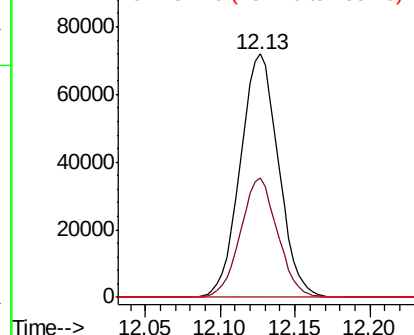
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

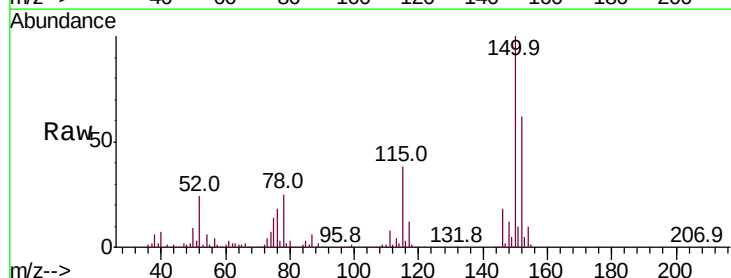
Tgt Ion:152 Resp: 215174

Ion Ratio Lower Upper

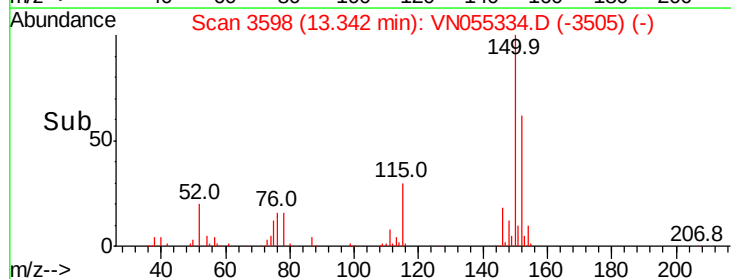
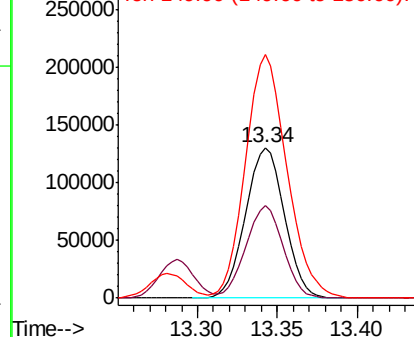
152 100

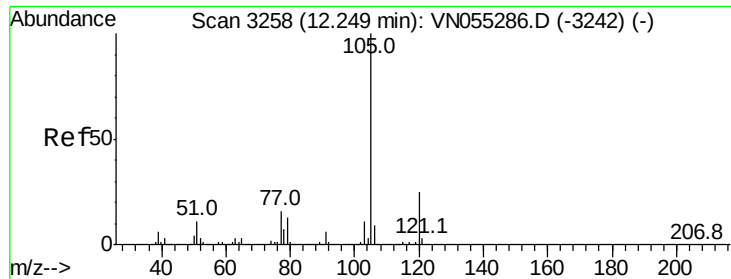
115 58.7 29.0 87.0

150 173.3 0.0 345.6



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: 51.892 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 886408

Ion Ratio Lower Upper

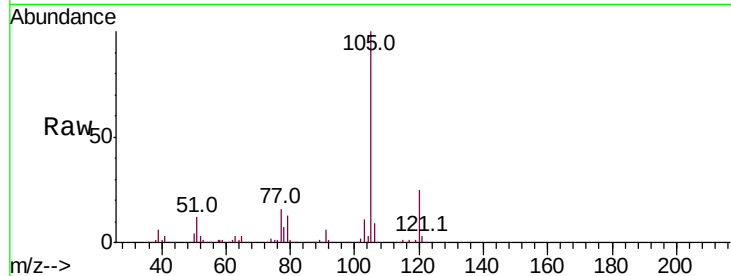
105 100

120 25.8 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

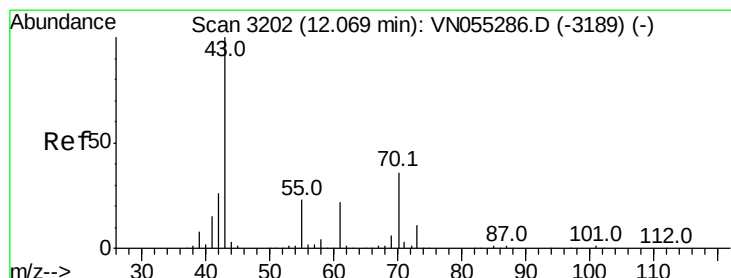
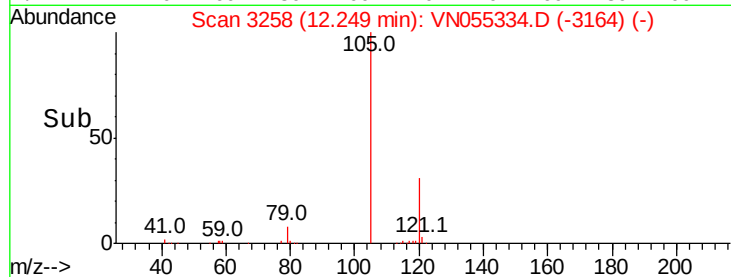
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 54.144 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tgt Ion: 43 Resp: 298991

Ion Ratio Lower Upper

43 100

70 35.6 27.9 41.9

55 23.4 18.2 27.2

61 22.1 16.9 25.3

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

250000

200000

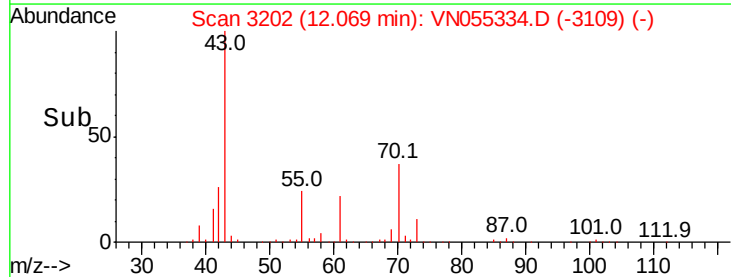
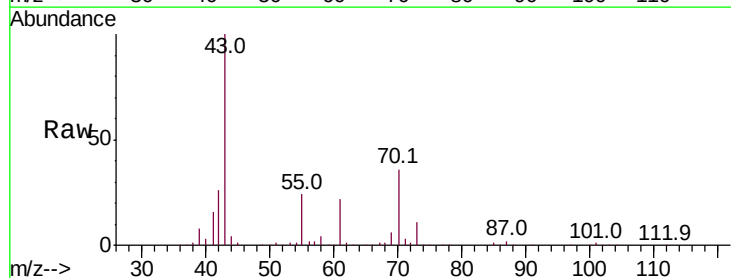
150000

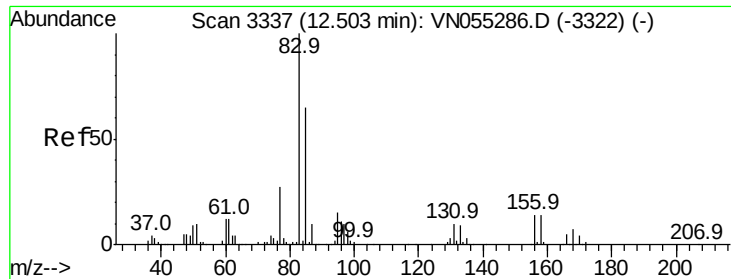
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.429 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

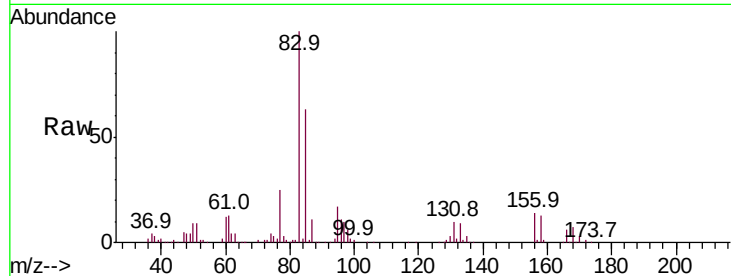
ClientSampleId :

VSTDCCC050EC

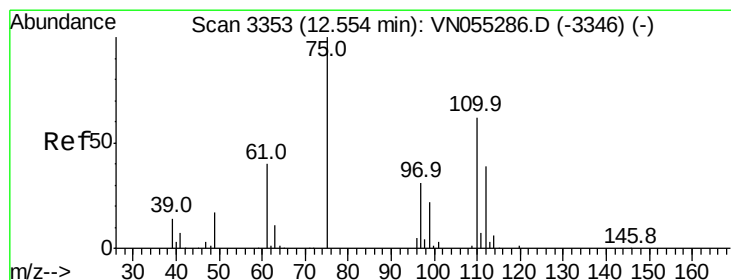
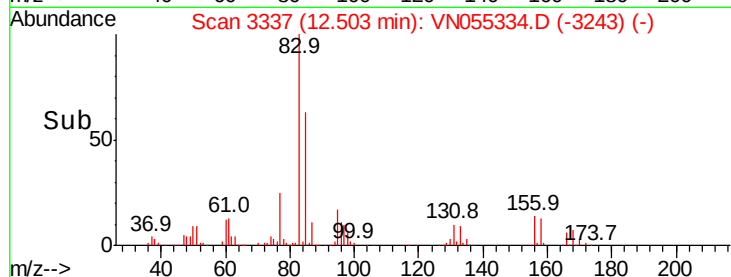
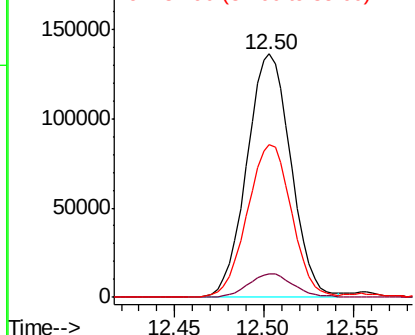
Tot Ion:	83	Resp:	234842
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	63.2	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 58.497 ug/l m

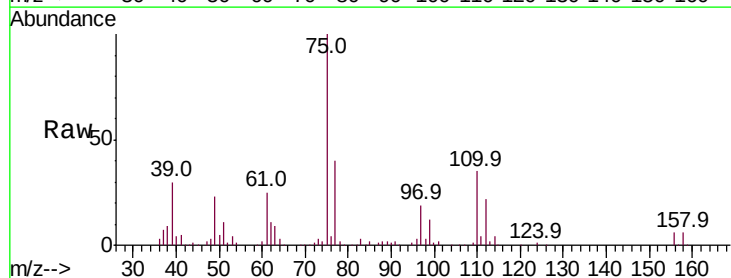
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

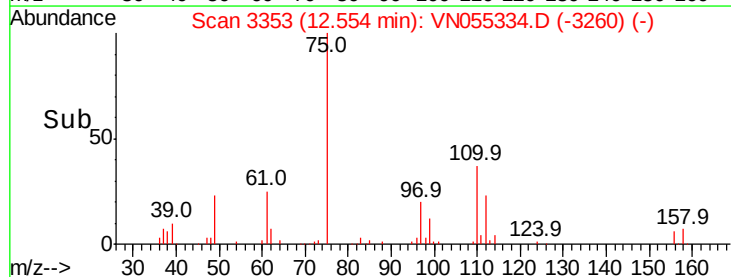
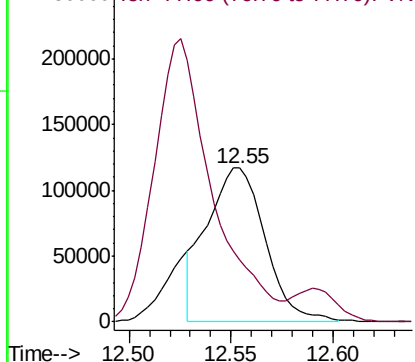
Lab File: VN055334.D

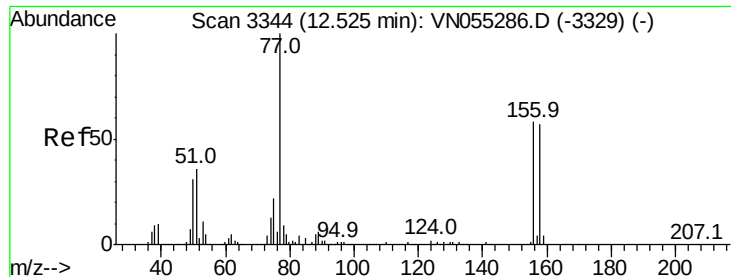
Acq: 1 May 2019 17:36

Tgt Ion:	75	Resp:	232250
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 53.540 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

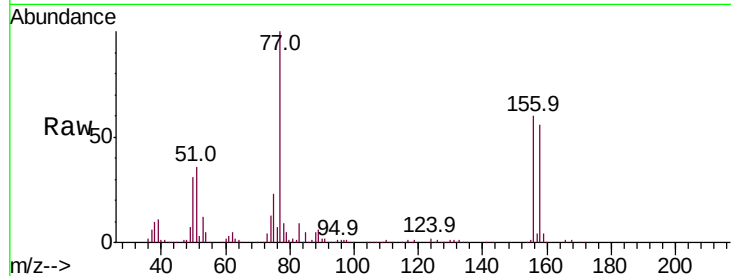
ClientSampleId :

VSTDCCC050EC

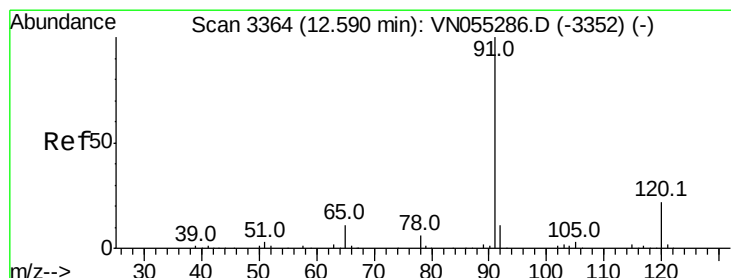
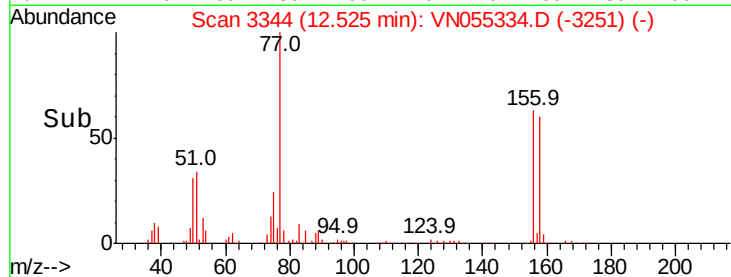
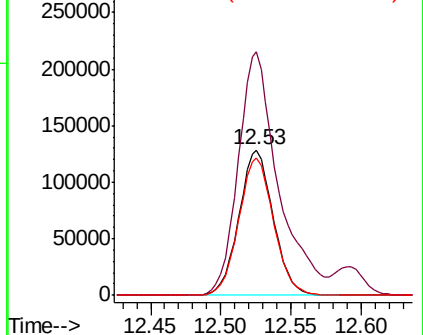
Tot Ion:	156	Resp:	219126
Ion Ratio	Lower	Upper	
156	100		
77	195.4	99.6	298.8
158	96.0	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.040 ug/l

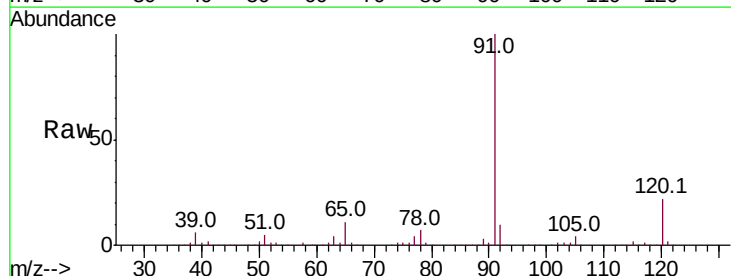
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

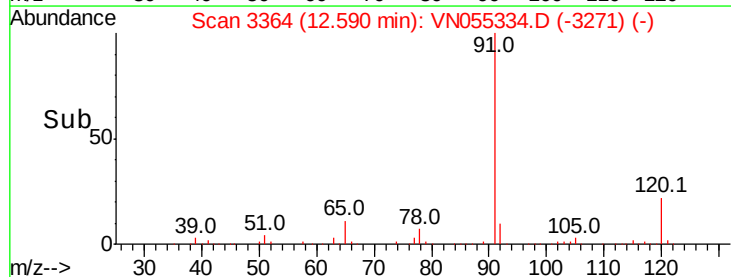
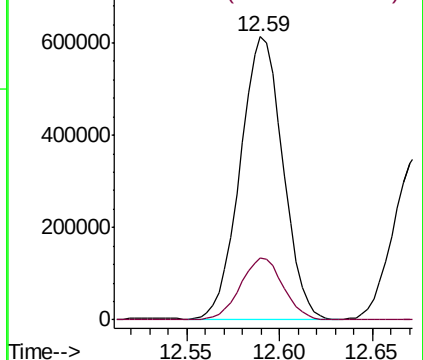
Lab File: VN055334.D

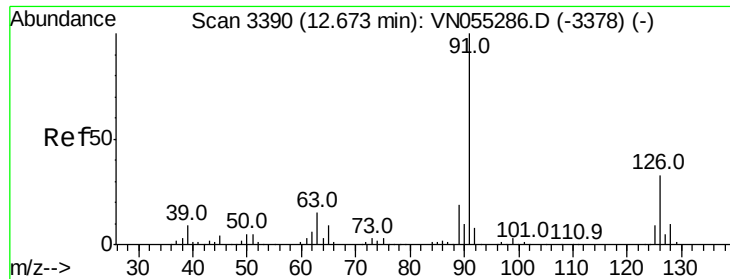
Acq: 1 May 2019 17:36

Tgt Ion:	91	Resp:	973418
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





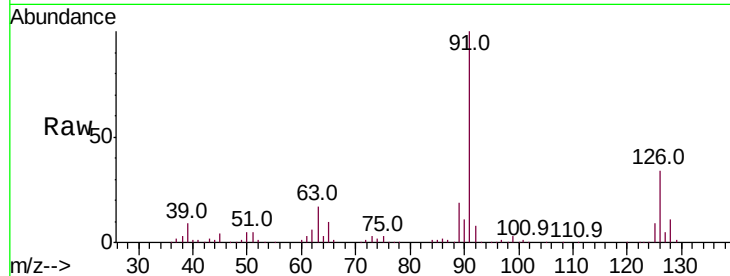
#79
2-Chlorotoluene
Concen: 51.617 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

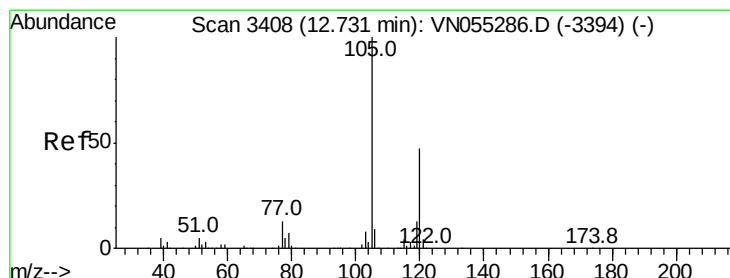
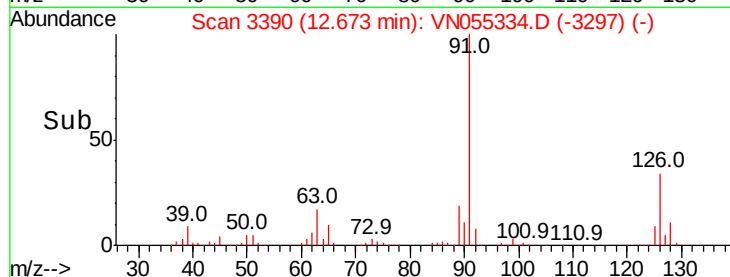
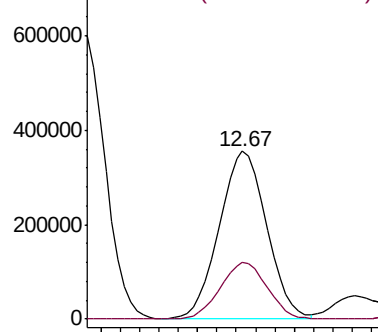
Tot Ion: 91 Resp: 600923
Ion Ratio Lower Upper
91 100
126 33.8 16.6 49.7

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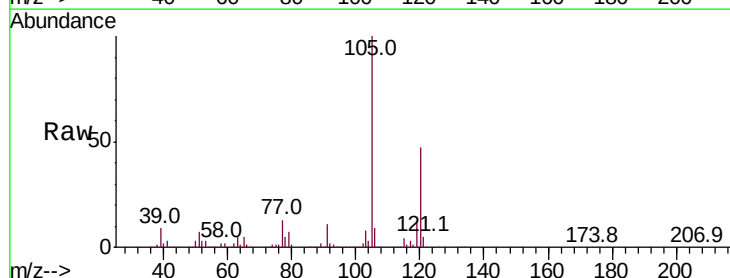


Abundance Ion 91.00 (90.70 to 91.70): VN055334.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN055334.D (-3378) (-)

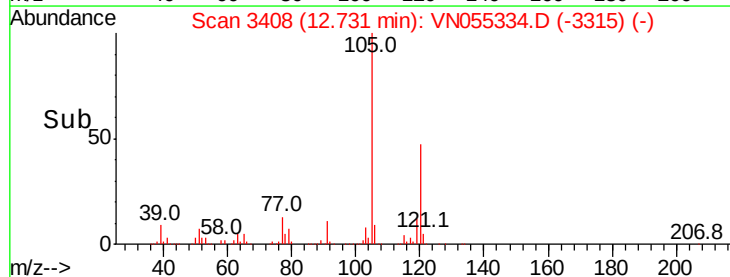
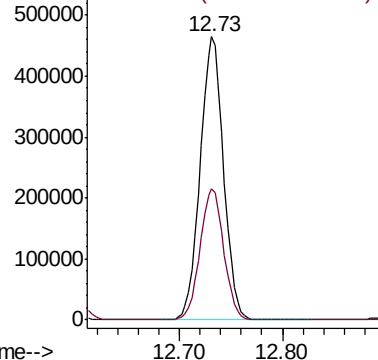


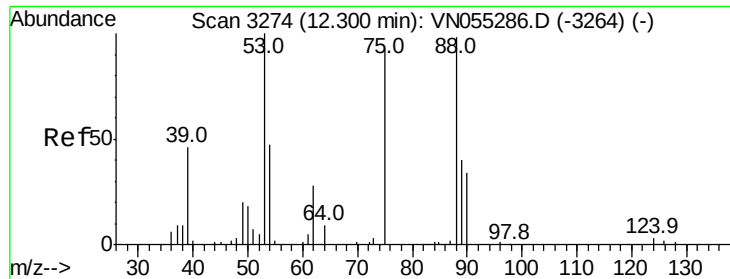
#80
1,3,5-Trimethylbenzene
Concen: 43.328 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion:105 Resp: 730894
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055334.D (-3394) (-)
Ion 120.00 (119.70 to 120.70): VN055334.D (-3394) (-)





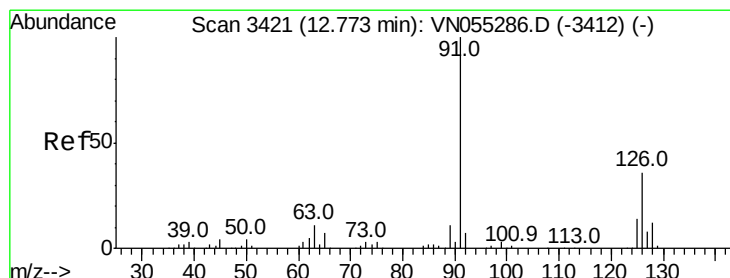
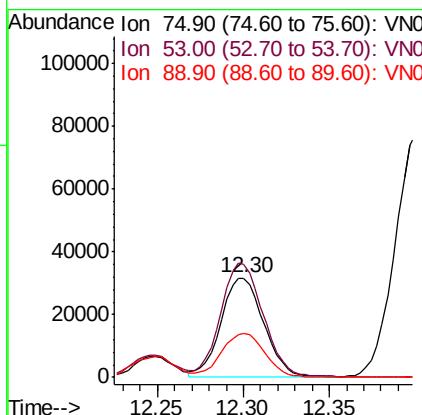
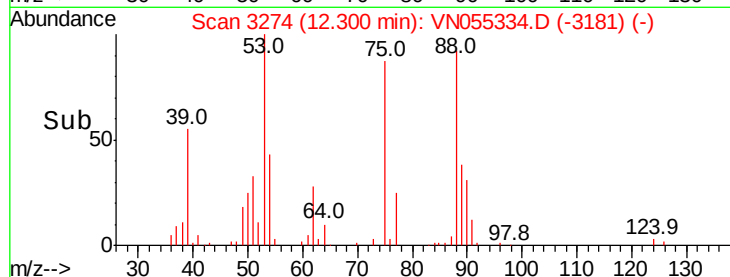
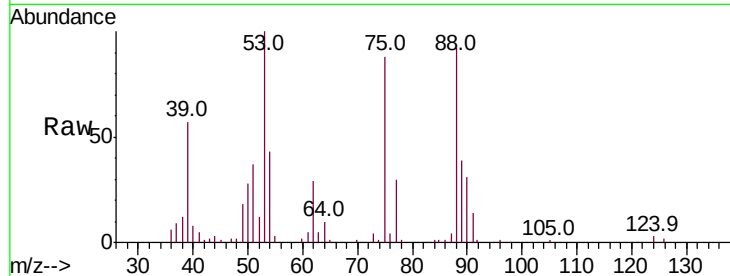
#81
trans-1,4-Dichloro-2-butene
Concen: 48.755 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 55359
Ion Ratio Lower Upper
75 100
53 114.5 86.3 129.5
89 44.2 34.6 51.8

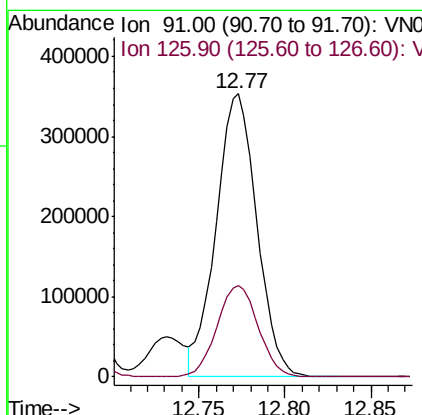
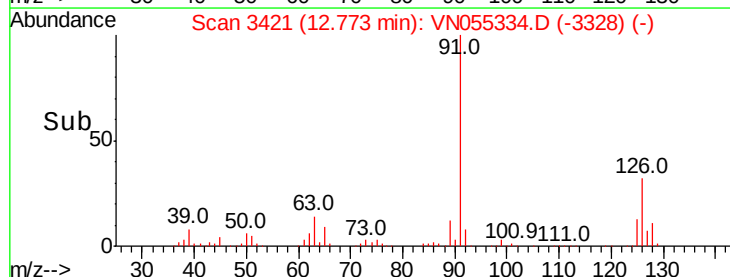
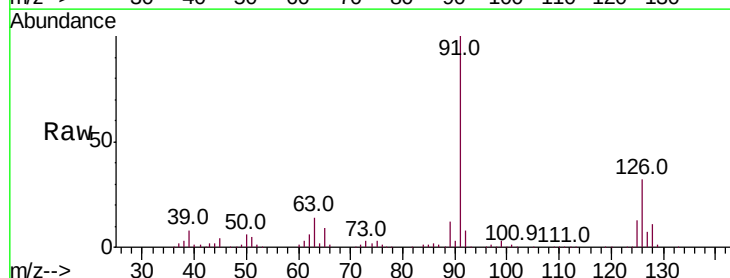
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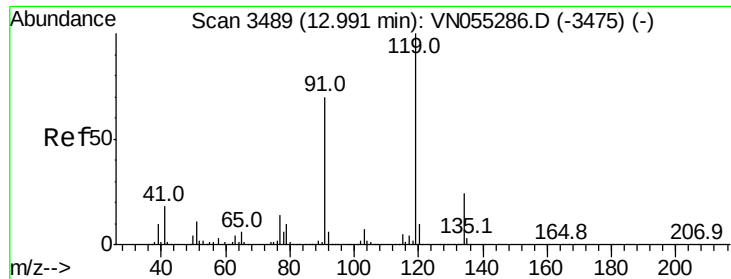
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#82
4-Chlorotoluene
Concen: 45.248 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion: 91 Resp: 581503
Ion Ratio Lower Upper
91 100
126 32.7 16.6 49.7





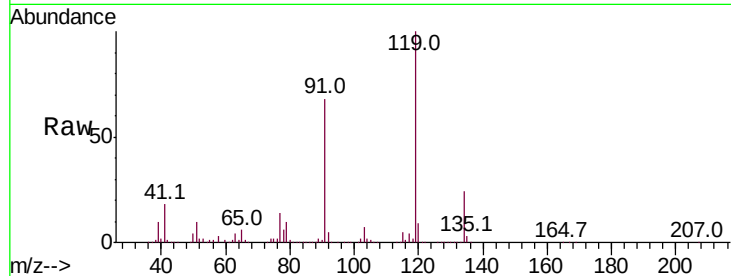
#83
tert-Butylbenzene
Concen: 50.788 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

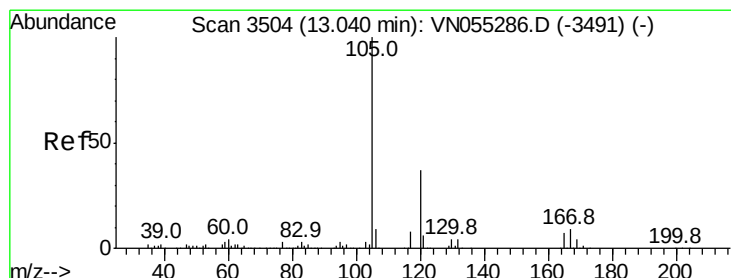
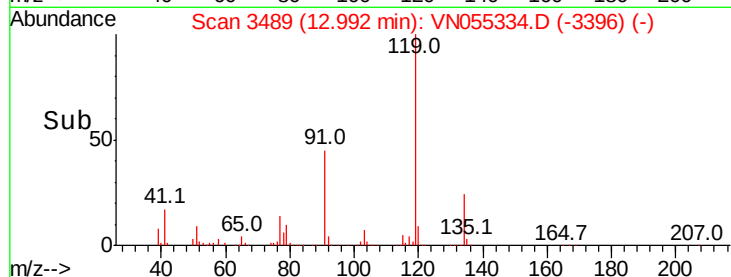
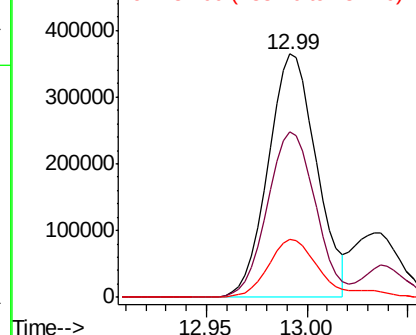
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.3	102.9
134	24.2	13.1	39.3

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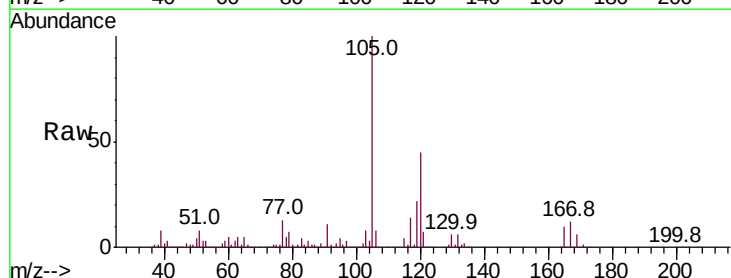


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

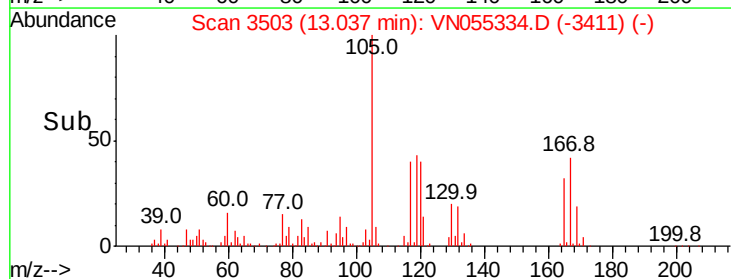
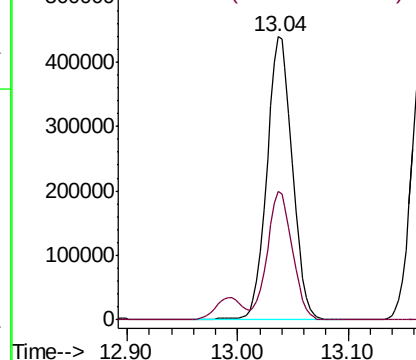


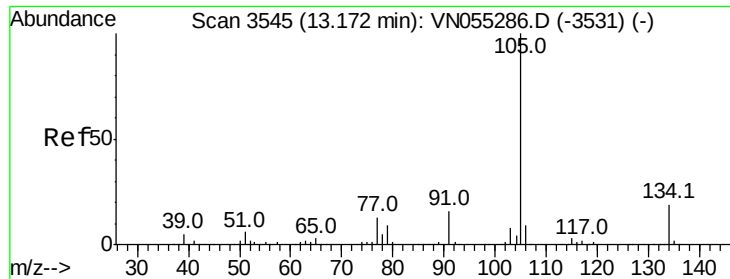
#84
1,2,4-Trimethylbenzene
Concen: 46.529 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5



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





#85

sec-Butylbenzene

Concen: 43.002 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 788448

Ion Ratio Lower Upper

105 100

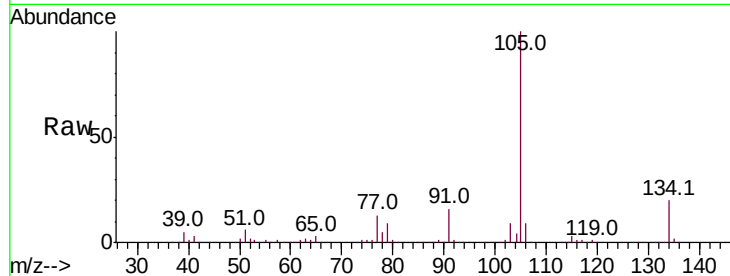
134 19.7 9.6 28.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500000

400000

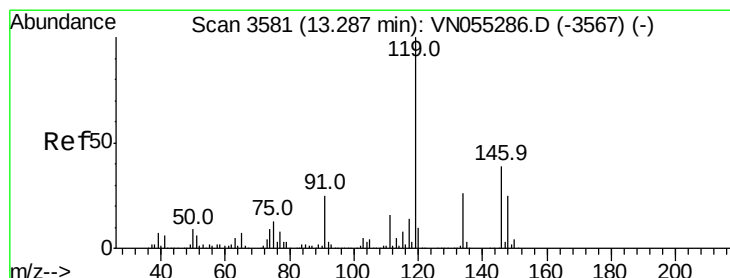
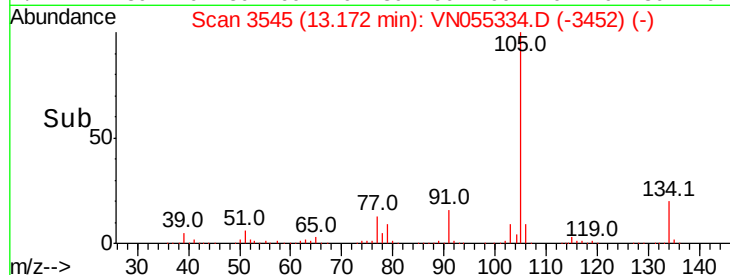
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.129 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

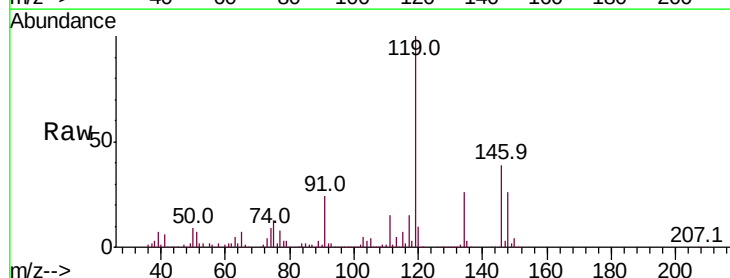
Tgt Ion:119 Resp: 680089

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.5 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

600000

500000

400000

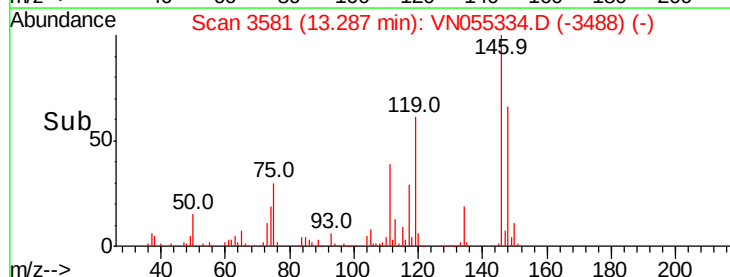
300000

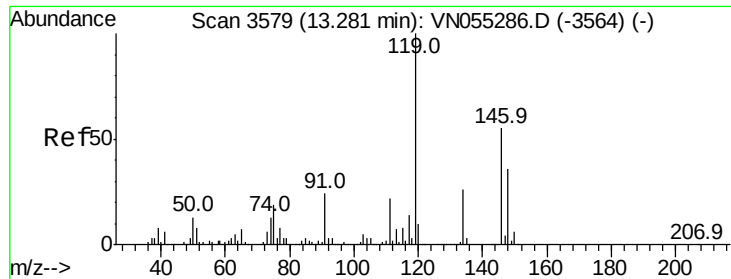
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.898 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055334.D

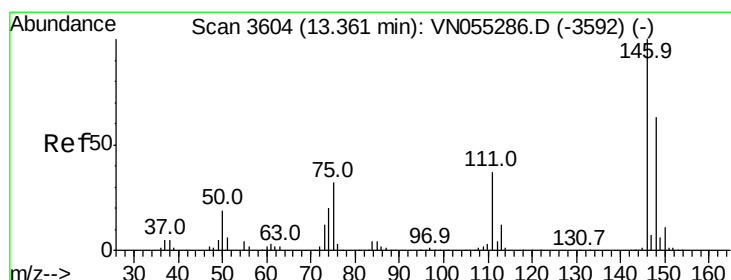
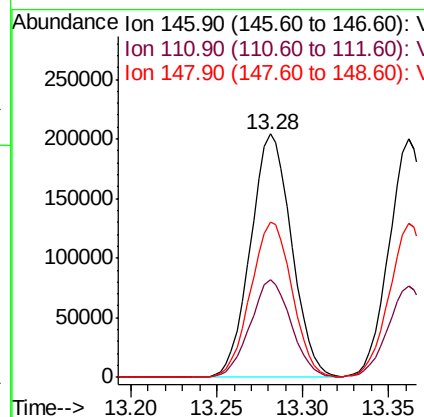
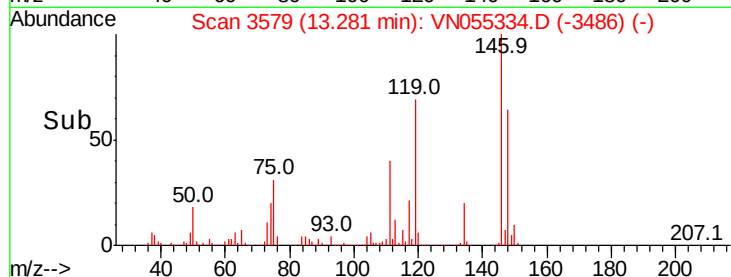
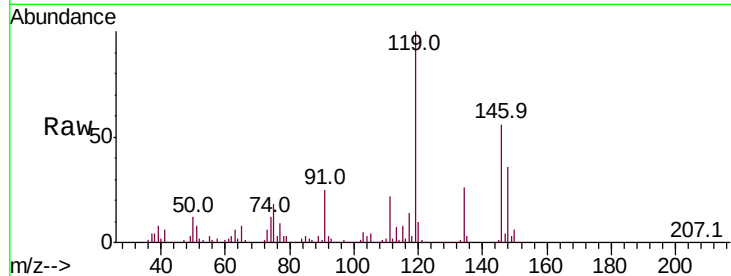
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	337681		
111	39.9	20.3	60.8	
148	64.3	32.5	97.5	

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#88

1,4-Dichlorobenzene

Concen: 48.402 ug/l

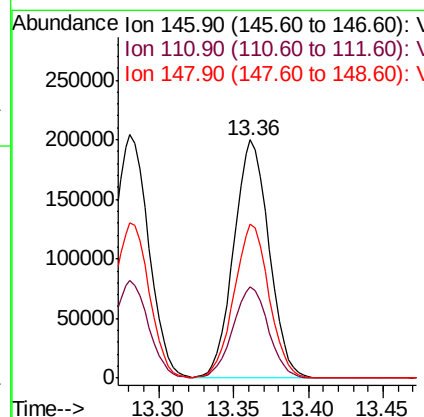
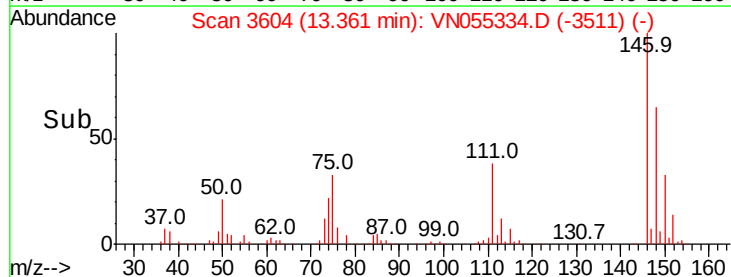
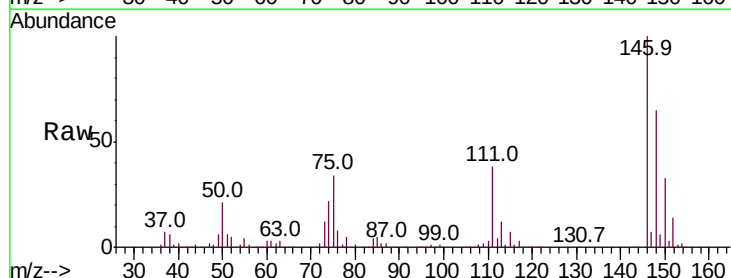
RT: 13.36 min Scan# 3604

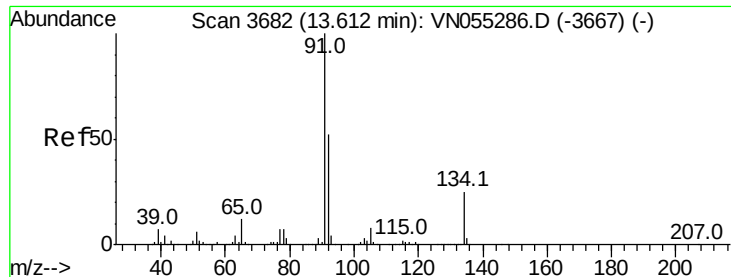
Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	328201		
111	38.5	19.5	58.5	
148	64.2	32.5	97.4	





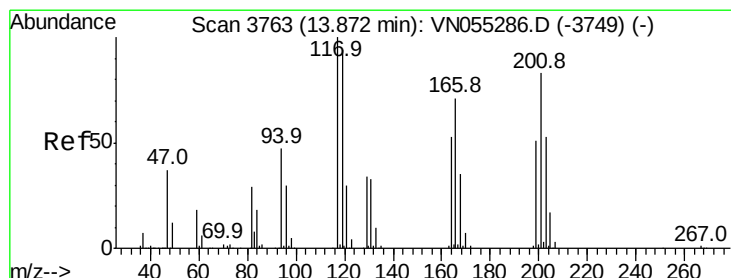
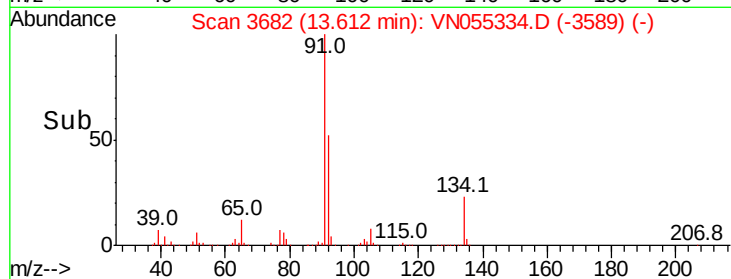
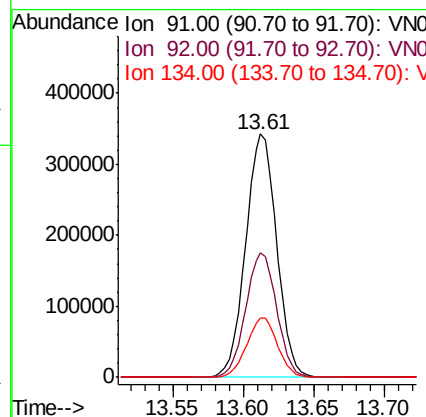
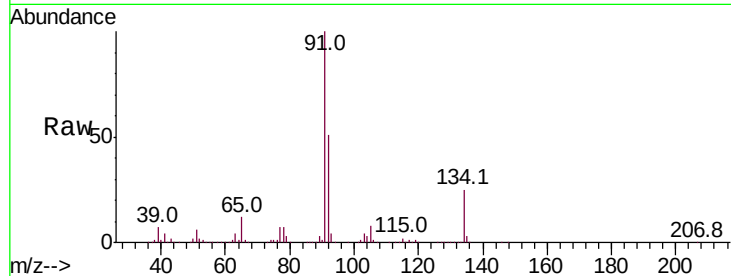
#89
n-Butylbenzene
Concen: 49.274 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.3
134	24.3	12.4	37.4

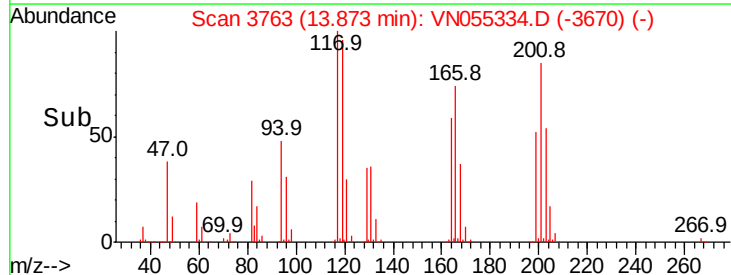
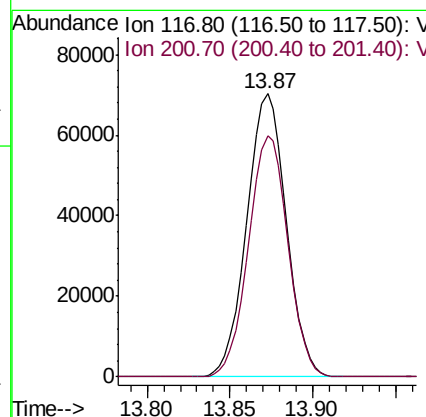
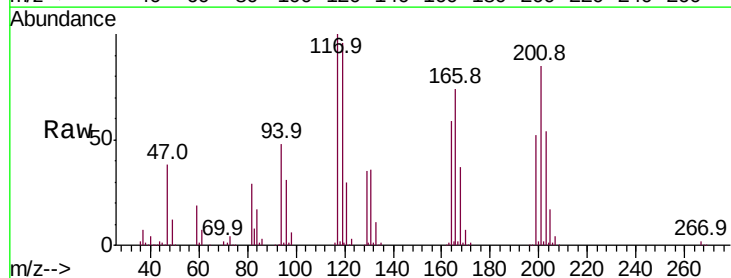
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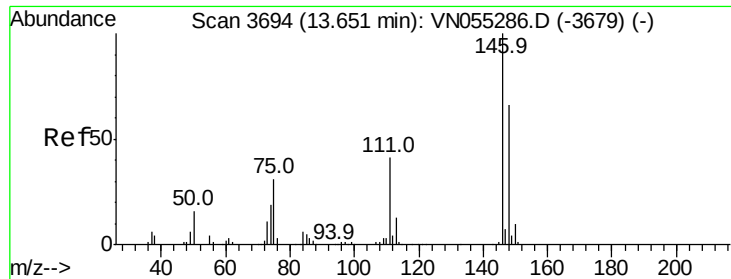
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#90
Hexachloroethane
Concen: 48.927 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055334.D
Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	41.9	125.8





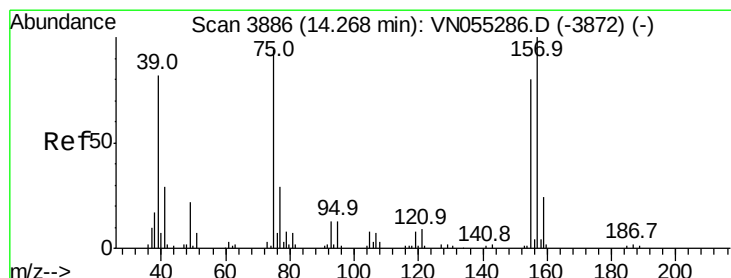
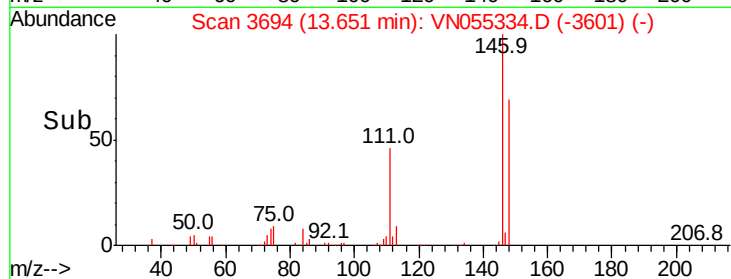
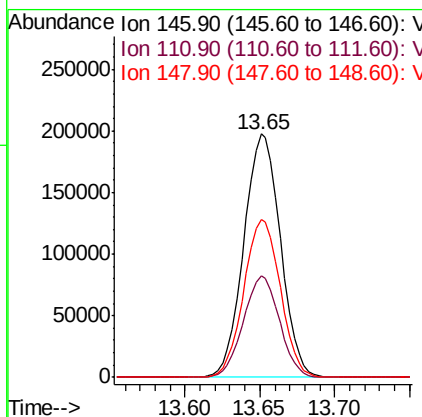
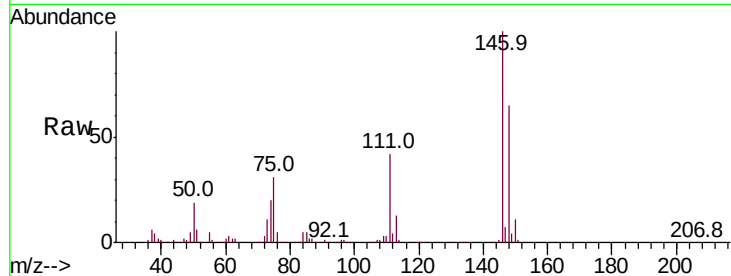
#91
 1,2-Dichlorobenzene
 Concen: 47.192 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	61.0
148	64.7	32.4	97.2

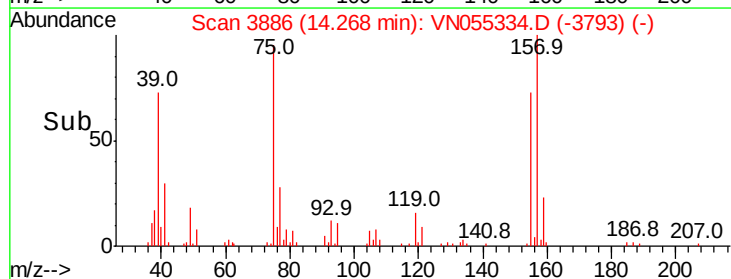
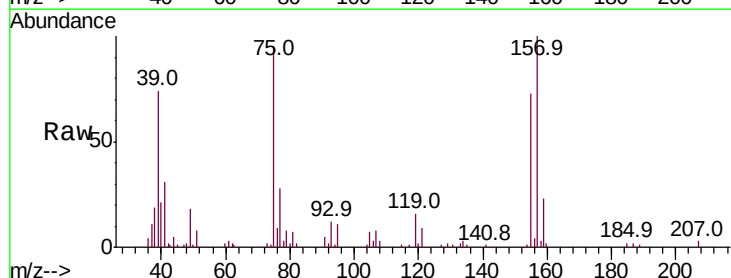
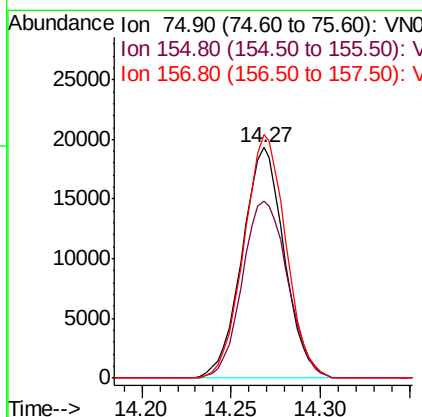
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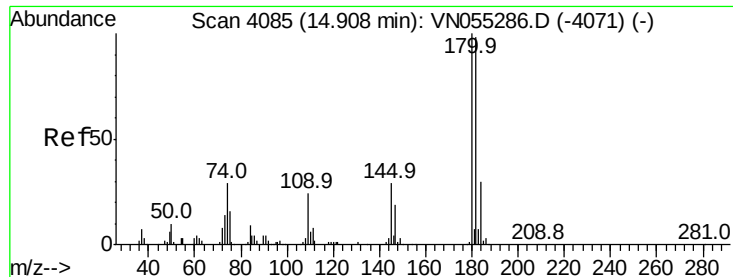
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.475 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	41.5	124.6
157	105.1	54.0	162.2





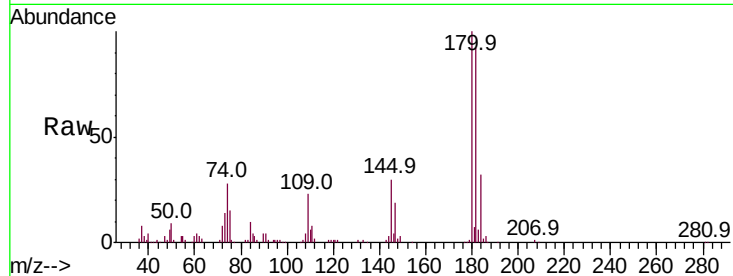
#93
 1,2,4-Trichlorobenzene
 Concen: 44.046 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

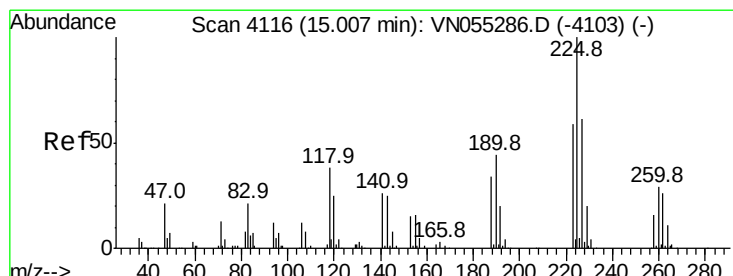
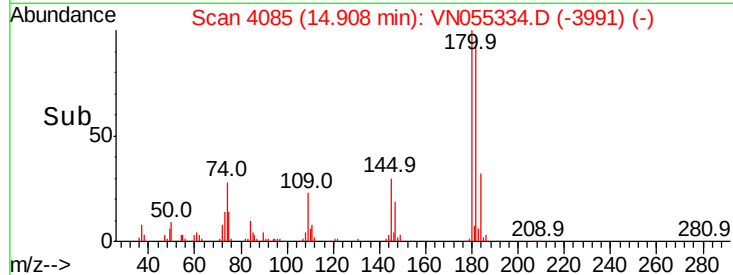
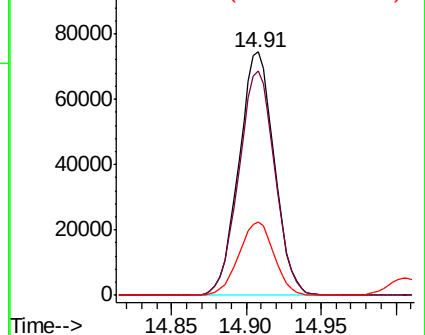
Tot Ion:	180	Resp:	122731
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.3	144.9
145	30.0	14.2	42.6

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:35:46 AM

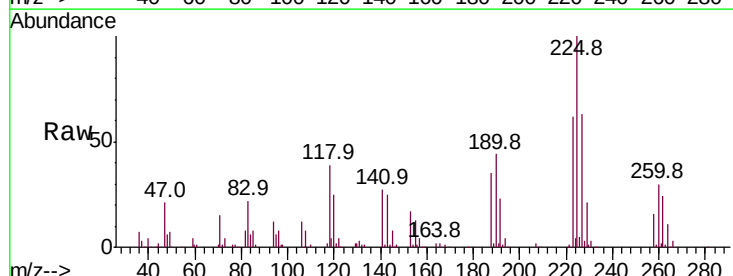


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

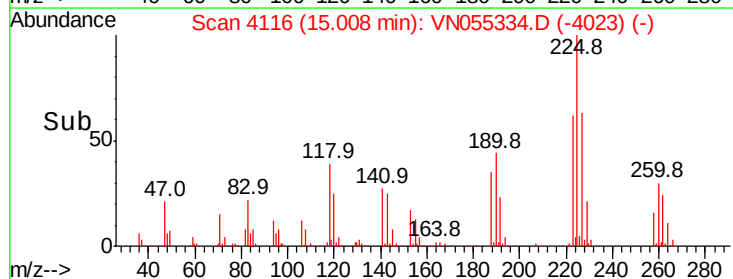
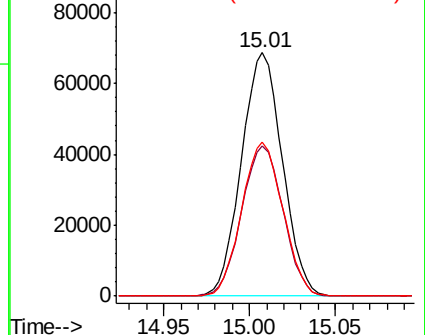


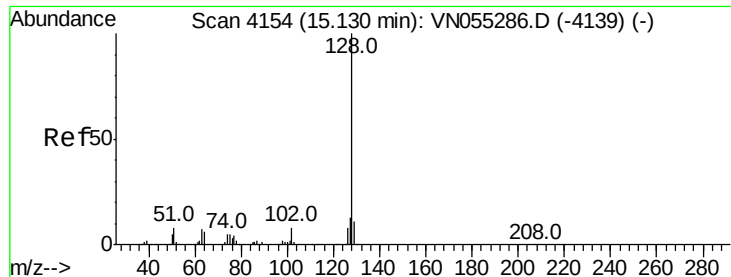
#94
 Hexachlorobutadiene
 Concen: 53.191 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055334.D
 Acq: 1 May 2019 17:36

Tgt Ion:	225	Resp:	113838
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.3	90.8
227	63.2	30.9	92.7



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: 42.951 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Instrument :

MSVOA_N

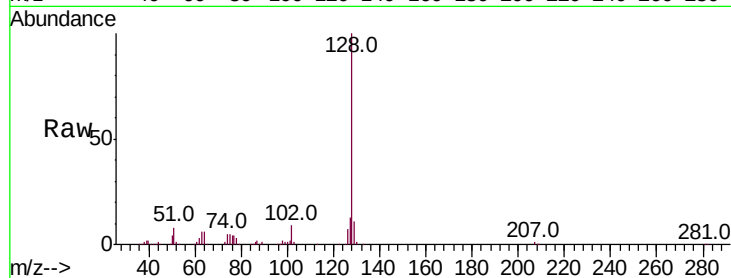
ClientSampleId :

VSTDCCC050EC

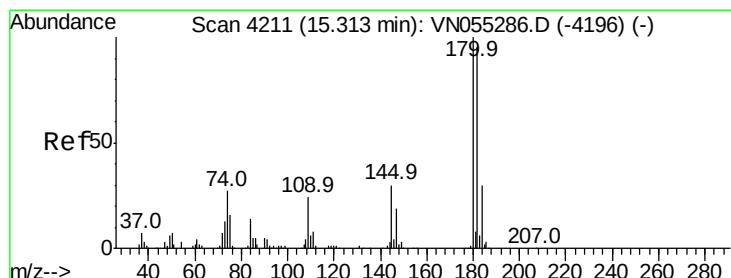
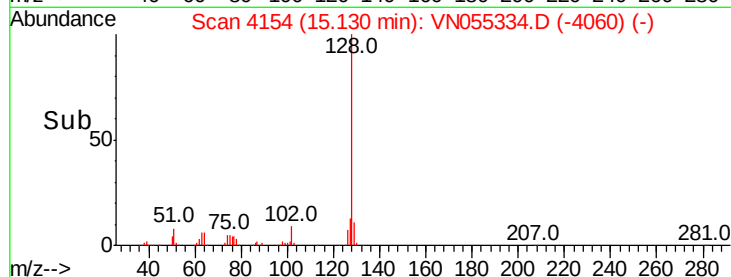
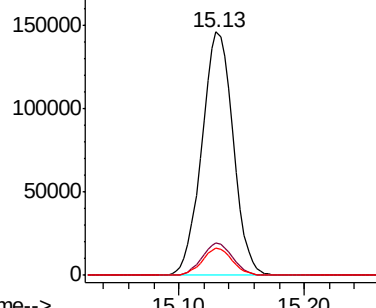
Tot Ion:128	Resp:	253879
Ion Ratio	Lower	Upper
128 100		
127 13.0	10.7	16.1
129 10.7	8.6	13.0

Manual Integrations
APPROVED

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5/2/2019 9:35:46 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.044 ug/l

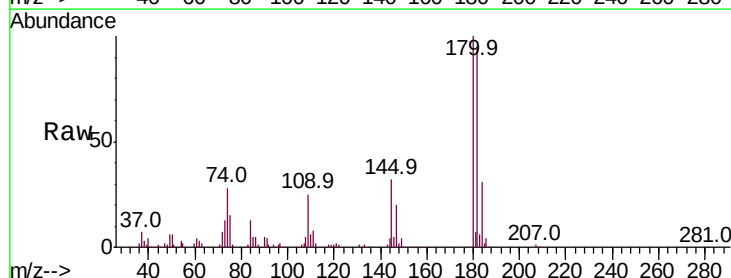
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055334.D

Acq: 1 May 2019 17:36

Tgt Ion:180	Resp:	124044
Ion Ratio	Lower	Upper
180 100		
182 94.0	48.3	144.9
145 31.5	15.2	45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

