

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055897.D
 Acq On : 30 May 2019 13:48
 Operator : JC/SP
 Sample : VN0530WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:20 AM

Quant Time: May 31 04:59:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	301163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	456718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161990	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	163560	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
35) Dibromofluoromethane	7.59	113	142441	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
50) Toluene-d8	10.09	98	539639	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	178739	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	37627	18.564	ug/l	99
3) Chloromethane	2.06	50	54671	19.252	ug/l	100
4) Vinyl Chloride	2.18	62	58723	19.387	ug/l	100
5) Bromomethane	2.53	94	41200m	21.742	ug/l	
6) Chloroethane	2.68	64	37614	20.626	ug/l	97
7) Trichlorofluoromethane	3.00	101	80019	20.151	ug/l	99
8) Diethyl Ether	3.40	74	36095	20.280	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50994	20.572	ug/l	96
10) Methyl Iodide	3.94	142	70954	19.578	ug/l	99
11) Tert butyl alcohol	4.82	59	65353	109.976	ug/l	98
12) 1,1-Dichloroethene	3.72	96	49847	19.462	ug/l	97
13) Acrolein	3.60	56	30201	70.976	ug/l	98
14) Allyl chloride	4.31	41	84235	19.184	ug/l	97
15) Acrylonitrile	4.99	53	146309	107.221	ug/l	99
16) Acetone	3.82	43	131279	96.023	ug/l	98
17) Carbon Disulfide	4.04	76	113844	15.644	ug/l	100
18) Methyl Acetate	4.33	43	67347	23.562	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	176950	20.714	ug/l	98
20) Methylene Chloride	4.54	84	60480	20.427	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	54259	19.718	ug/l	99
22) Diisopropyl ether	5.95	45	178386	20.888	ug/l	96
23) Vinyl Acetate	5.90	43	739703	101.023	ug/l	99
24) 1,1-Dichloroethane	5.84	63	100767	20.266	ug/l	99
25) 2-Butanone	6.84	43	198117	103.761	ug/l	100
26) 2,2-Dichloropropane	6.82	77	74474	17.306	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	66528	20.723	ug/l	98
28) Bromochloromethane	7.19	49	49492	20.906	ug/l	98
29) Tetrahydrofuran	7.22	42	131097	108.422	ug/l	99
30) Chloroform	7.37	83	102315	20.633	ug/l	99
31) Cyclohexane	7.65	56	93072	19.937	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	86348	19.514	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74149	18.630	ug/l	98
37) Ethyl Acetate	6.93	43	77295	20.093	ug/l	100
38) Carbon Tetrachloride	7.77	117	73084	17.628	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	89718	18.203	ug/l	98
40) Benzene	8.04	78	236602	19.725	ug/l	99
41) Methacrylonitrile	7.18	41	36585m	18.825	ug/l	
42) 1,2-Dichloroethane	8.12	62	78940	20.140	ug/l	100
43) Isopropyl Acetate	8.17	43	123410	19.094	ug/l #	92
44) Trichloroethene	8.83	130	65172	19.489	ug/l	98
45) 1,2-Dichloropropane	9.12	63	61840	19.787	ug/l	94
46) Dibromomethane	9.21	93	41314	20.157	ug/l	97
47) Bromodichloromethane	9.40	83	78243	18.617	ug/l	99
48) Methyl methacrylate	9.20	41	61223	20.553	ug/l	99
49) 1,4-Dioxane	9.20	88	25698	415.147	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	390763	102.369	ug/l	100
52) Toluene	10.16	92	147669	19.574	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	78674	17.537	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	91337	18.379	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	60683	20.079	ug/l	100
56) Ethyl methacrylate	10.43	69	89687	19.201	ug/l	97
57) 1,3-Dichloropropane	10.71	76	98227	19.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	162965	91.297	ug/l	99
59) 2-Hexanone	10.75	43	269445	99.501	ug/l	99
60) Dibromochloromethane	10.90	129	60901	17.298	ug/l	99
61) 1,2-Dibromoethane	11.00	107	62074	19.801	ug/l	99
64) Tetrachloroethene	10.63	164	64922	19.079	ug/l	99
65) Chlorobenzene	11.43	112	156824	19.417	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	57953	17.991	ug/l	99
67) Ethyl Benzene	11.51	91	278382	19.220	ug/l	98
68) m/p-Xylenes	11.62	106	210540	38.451	ug/l	99
69) o-Xylene	11.95	106	104330	19.205	ug/l	99
70) Styrene	11.96	104	169577	19.276	ug/l	99
71) Bromoform	12.13	173	42413	15.436	ug/l #	100
73) Isopropylbenzene	12.25	105	276921	22.569	ug/l	100
74) N-amyl acetate	12.07	43	100864	21.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	84510	22.973	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69397m	23.191	ug/l	
77) Bromobenzene	12.53	156	72053	20.844	ug/l	99
78) n-propylbenzene	12.59	91	288281	20.476	ug/l	100
79) 2-Chlorotoluene	12.67	91	181178	22.488	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	226393	21.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20389	16.935	ug/l	89
82) 4-Chlorotoluene	12.77	91	168334	20.340	ug/l	99
83) tert-Butylbenzene	12.99	119	201745	22.392	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	219344	21.308	ug/l	100
85) sec-Butylbenzene	13.17	105	253495	21.920	ug/l	99
86) p-Isopropyltoluene	13.29	119	226025	20.092	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	107867	19.707	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103051	19.803	ug/l	99
89) n-Butylbenzene	13.61	91	161749	18.765	ug/l	100
90) Hexachloroethane	13.87	117	36962	17.262	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	110599	20.253	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13497	18.804	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46659	17.407	ug/l	99
94) Hexachlorobutadiene	15.01	225	39308	19.333	ug/l	99
95) Naphthalene	15.13	128	138652	18.503	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52234	18.095	ug/l	100

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

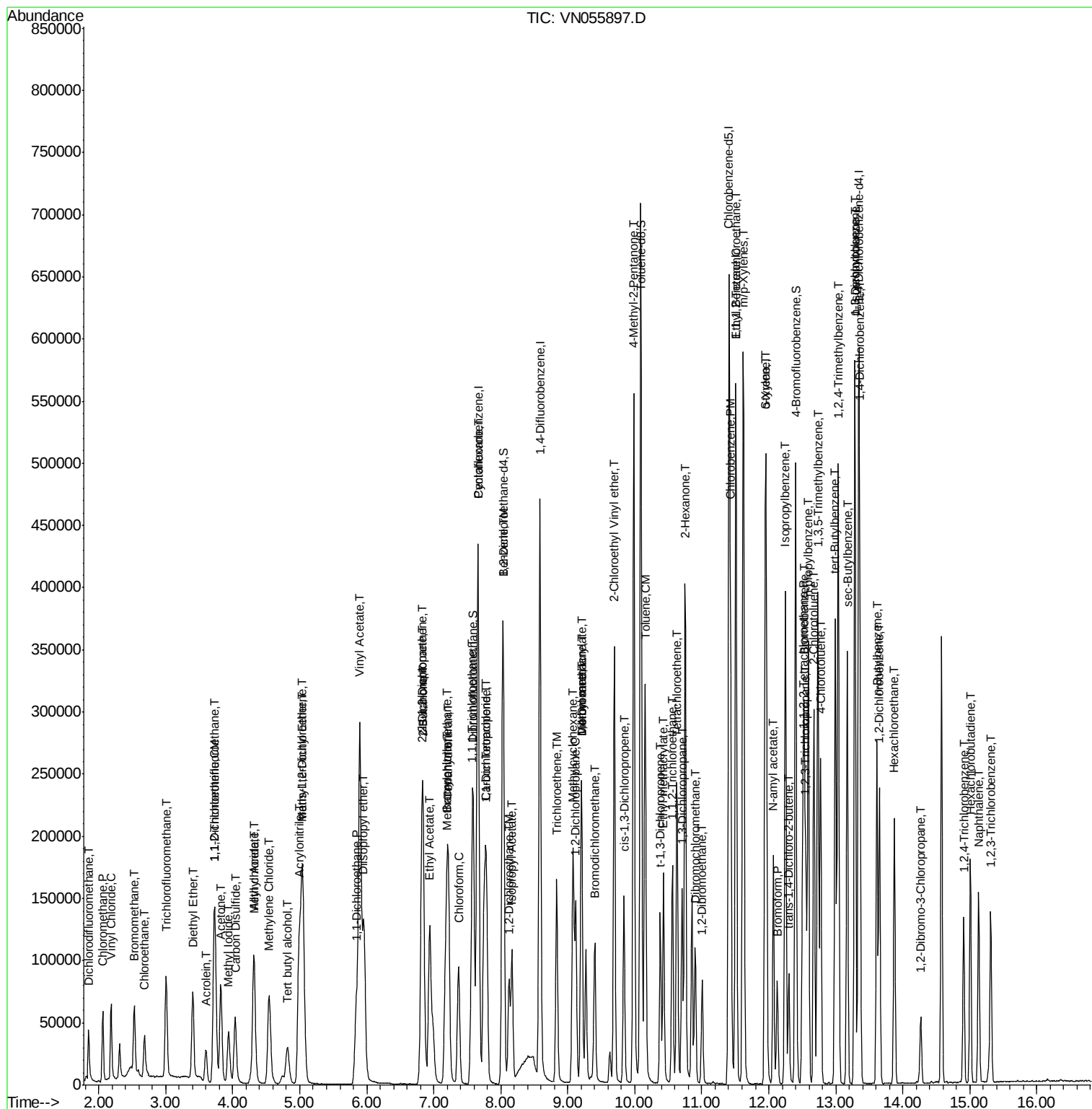
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Data File : VN055897.D
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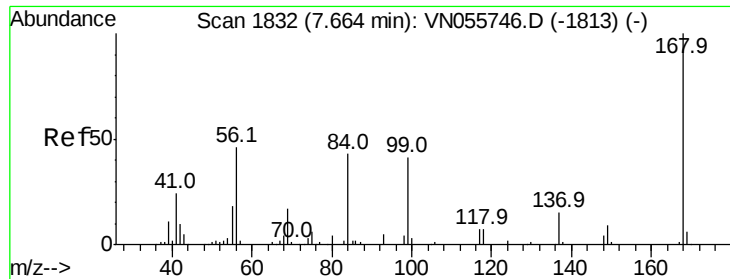
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion:168 Resp: 301163

Ion Ratio Lower Upper

168 100

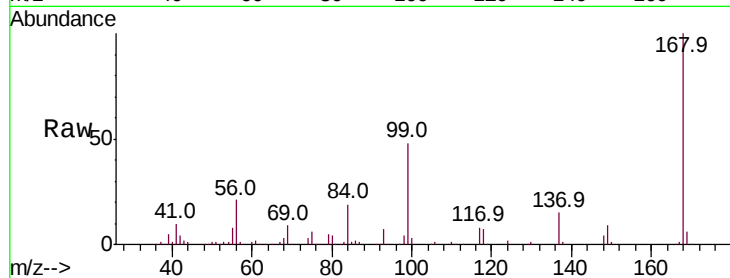
99 47.2 37.2 55.8

Manual Integrations

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

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

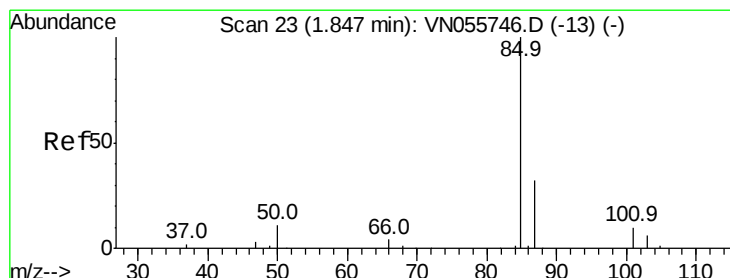
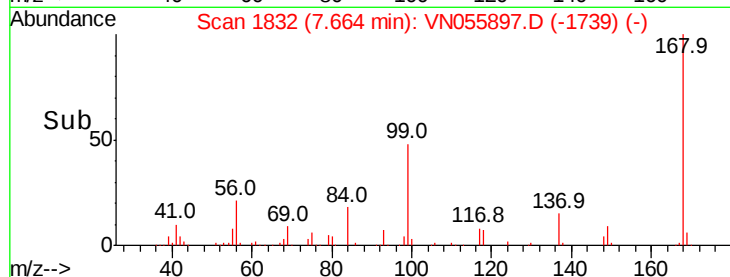
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.564 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055897.D

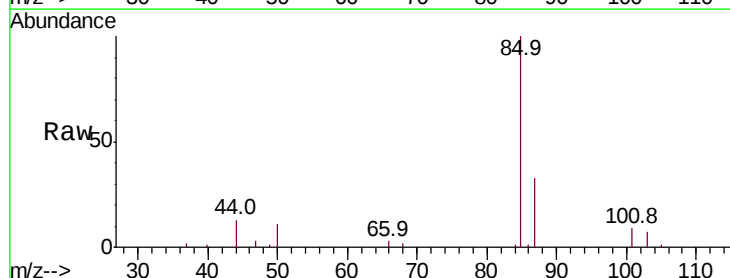
Acq: 30 May 2019 13:48

Tgt Ion: 85 Resp: 37627

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



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

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

1.85

25000

20000

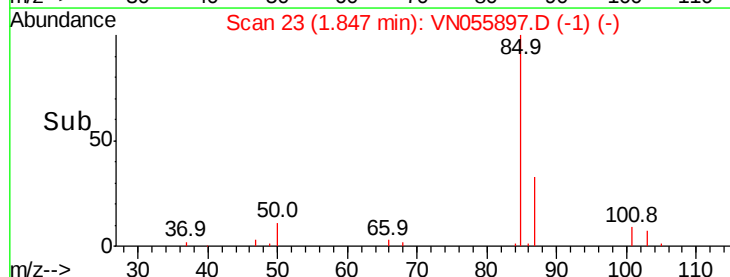
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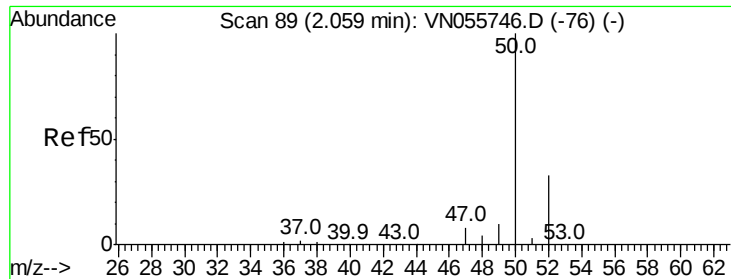
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.252 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion: 50 Resp: 54671

Ion Ratio Lower Upper

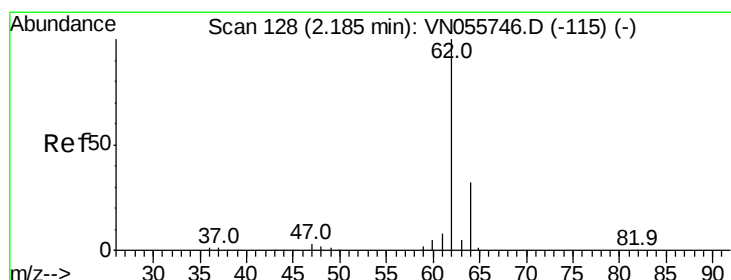
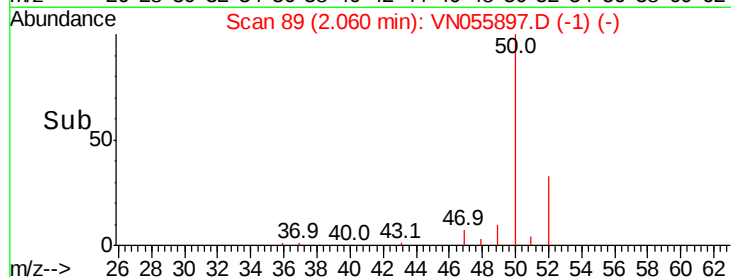
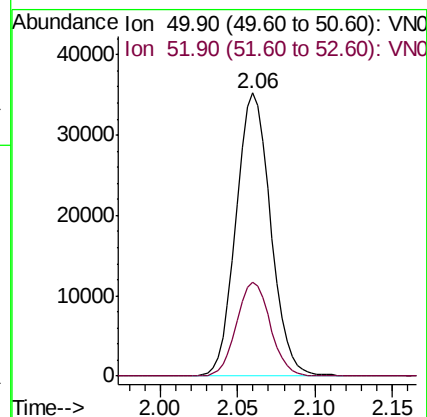
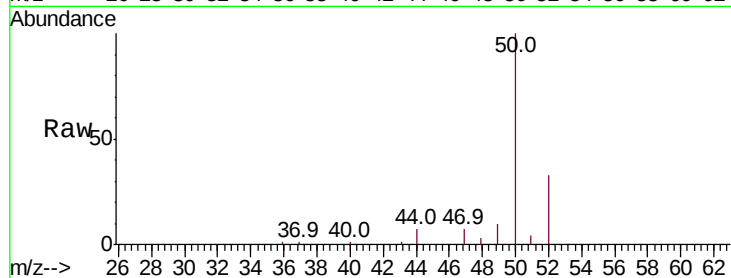
50 100

52 33.4 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.387 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055897.D

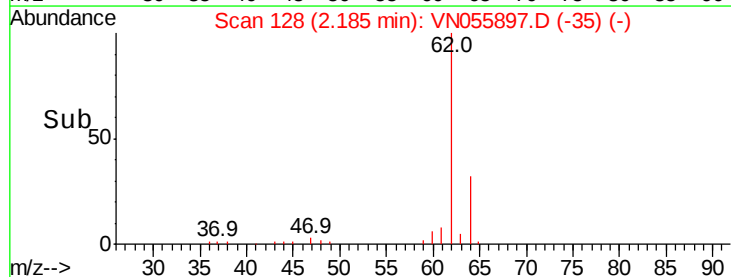
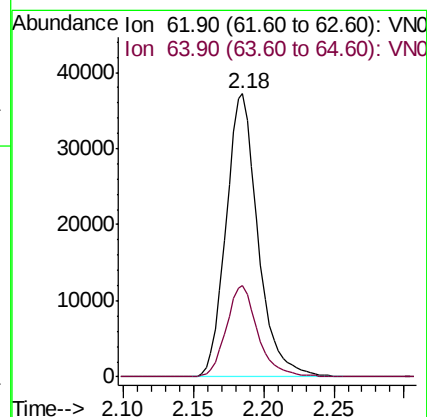
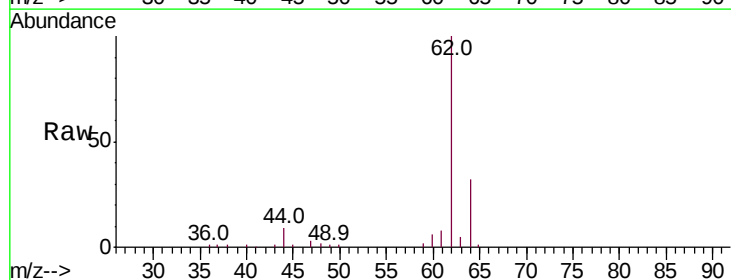
Acq: 30 May 2019 13:48

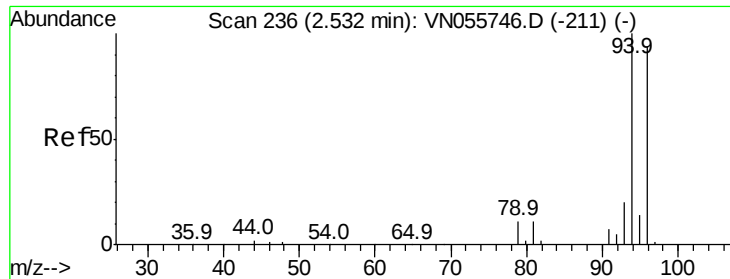
Tgt Ion: 62 Resp: 58723

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 21.742 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

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ClientSampleId :

VN0530WBSD01

Tot Ion: 94 Resp: 41200

Ion Ratio Lower Upper

94 100

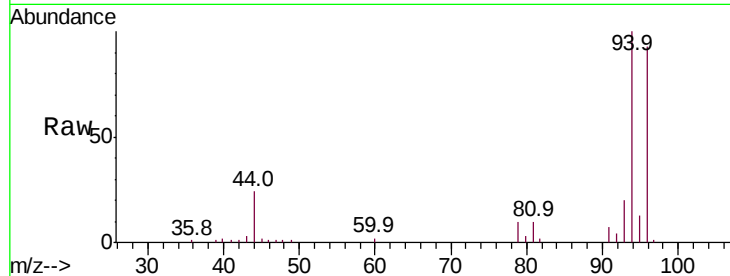
96 93.3 75.5 113.3

Manual Integrations

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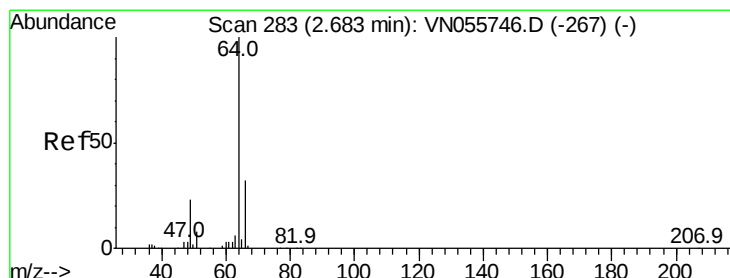
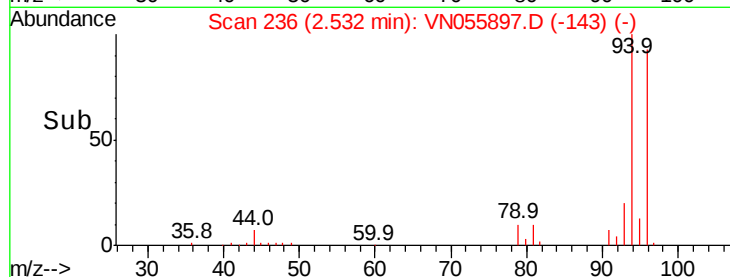
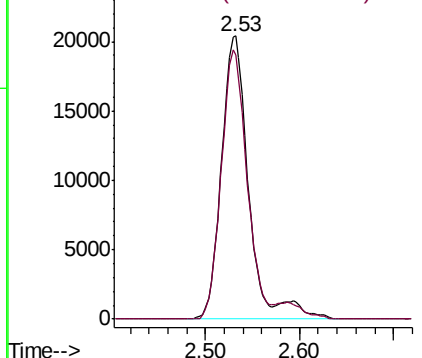
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.626 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055897.D

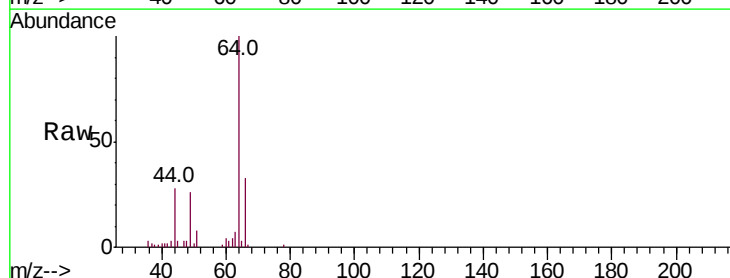
Acq: 30 May 2019 13:48

Tgt Ion: 64 Resp: 37614

Ion Ratio Lower Upper

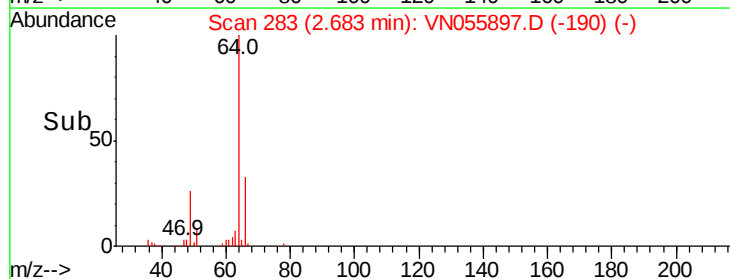
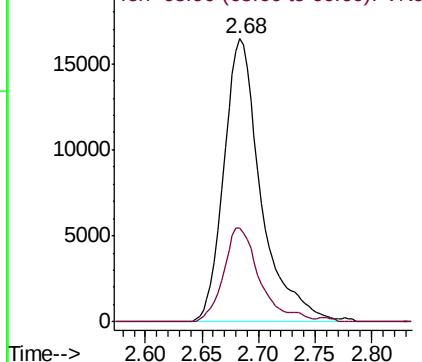
64 100

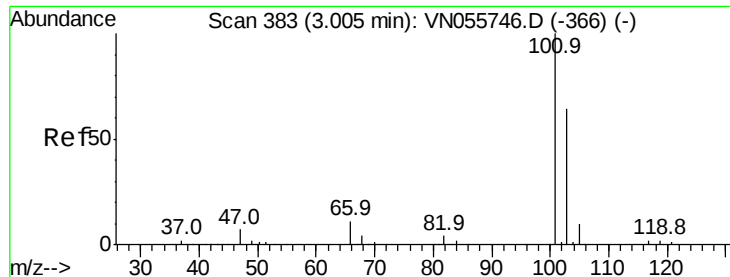
66 33.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

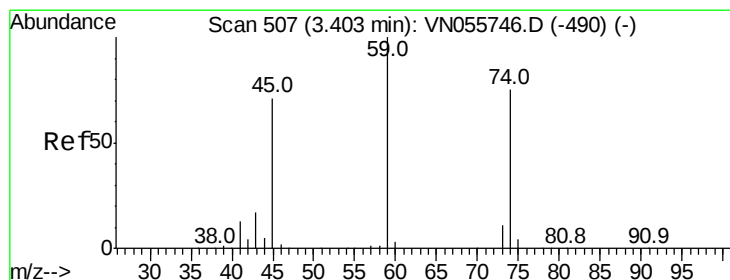
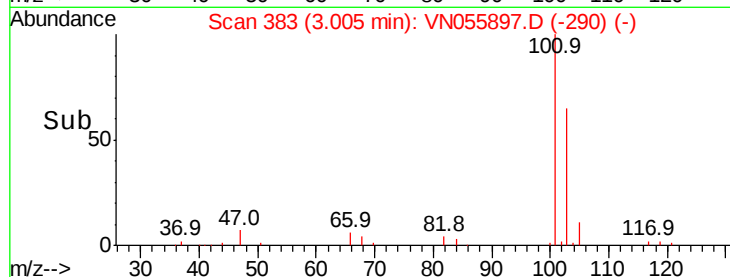
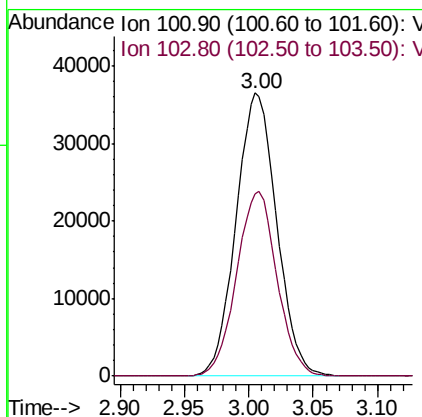
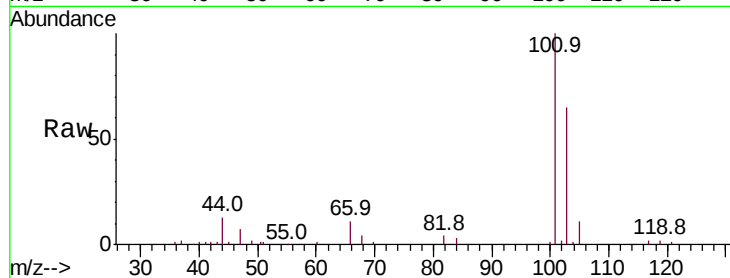
Trichlorofluoromethane
 Concen: 20.151 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
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 ClientSampleId :
 VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.2	76.8

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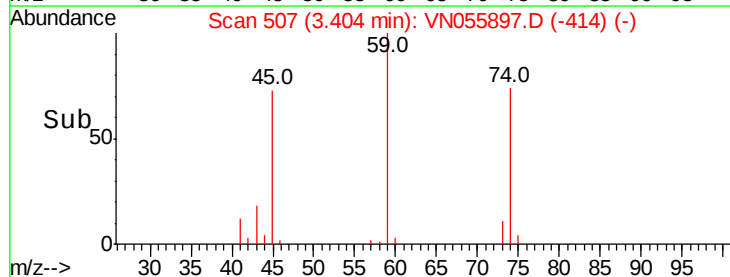
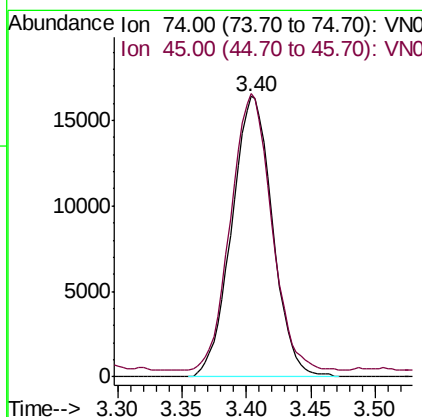
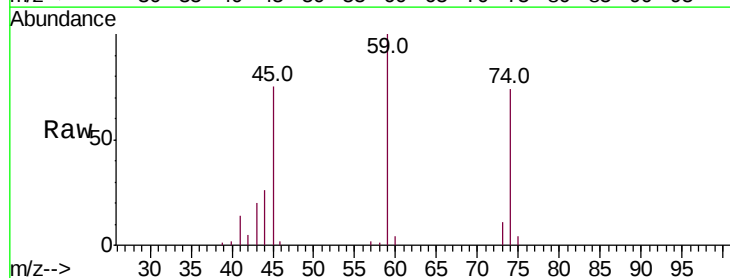
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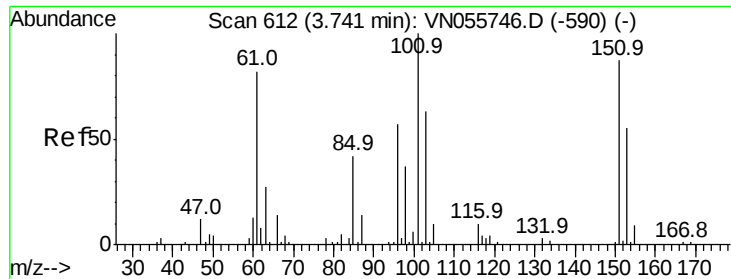


#8

Diethyl Ether
 Concen: 20.280 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.572 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

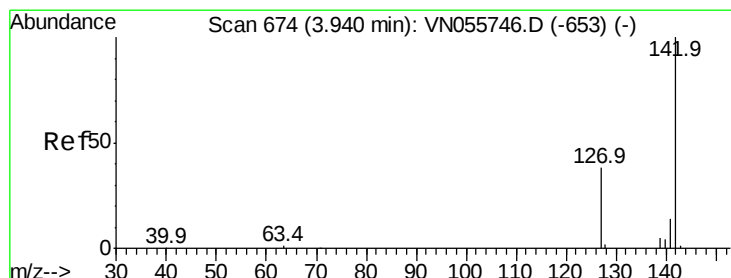
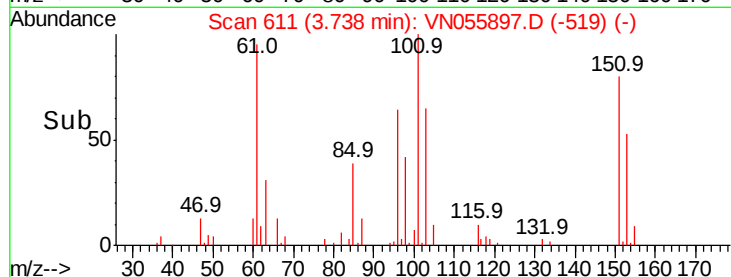
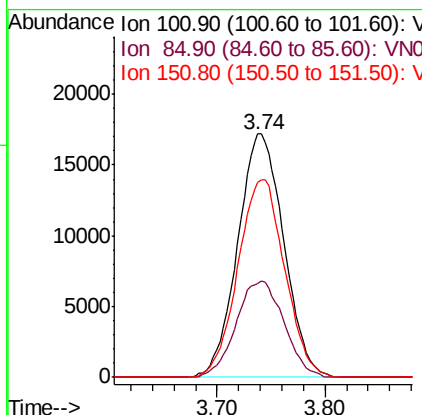
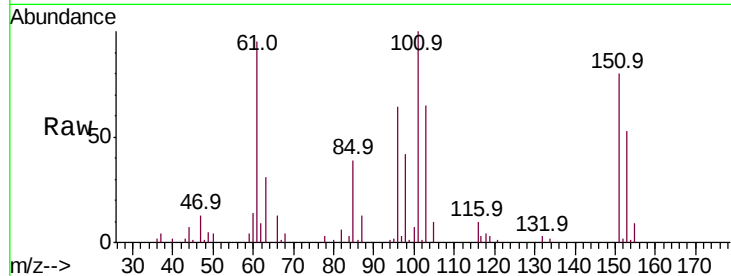
ClientSampleId :

VN0530WBSD01

Tot Ion:	101	Resp:	50994
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.2
151	82.3	69.4	104.2

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#10

Methyl Iodide

Concen: 19.578 ug/l

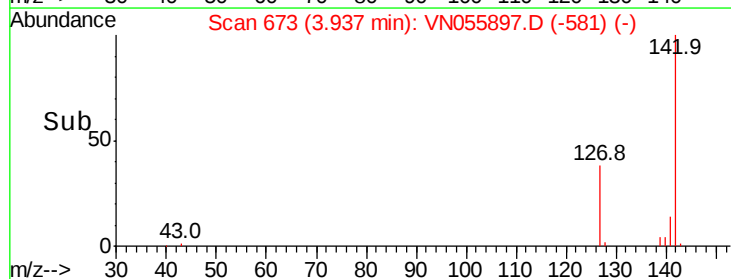
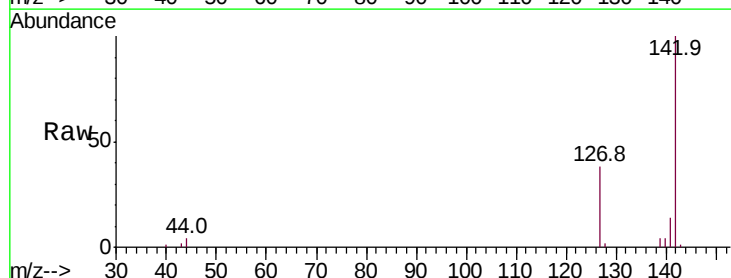
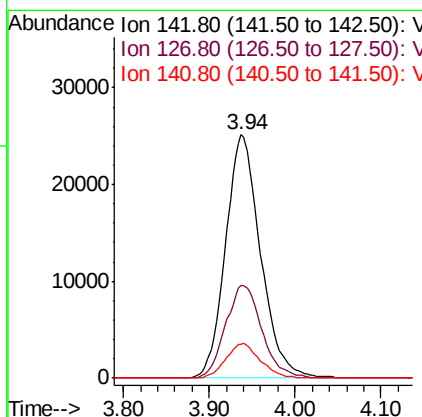
RT: 3.94 min Scan# 673

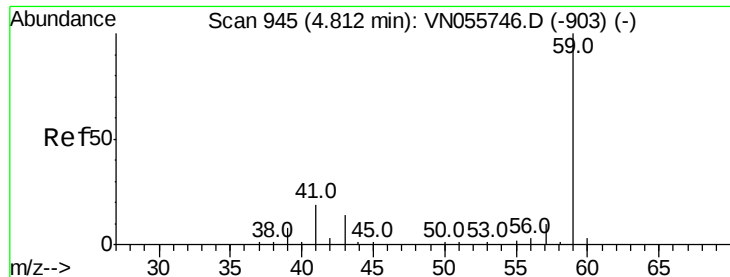
Delta R.T. -0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Tgt Ion:	142	Resp:	70954
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.0	46.4
141	13.9	11.4	17.0





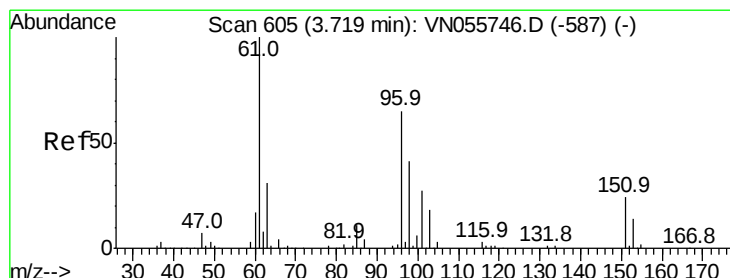
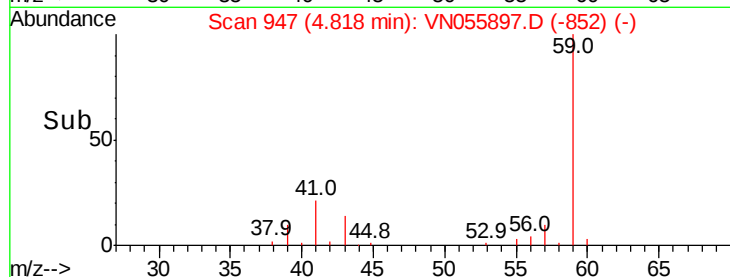
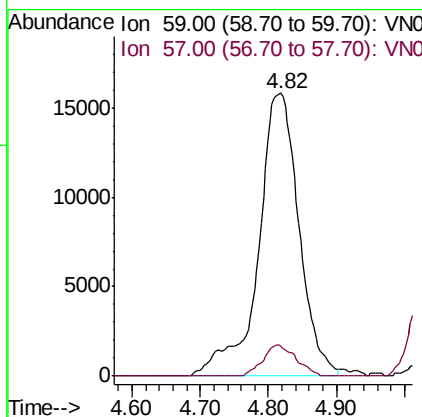
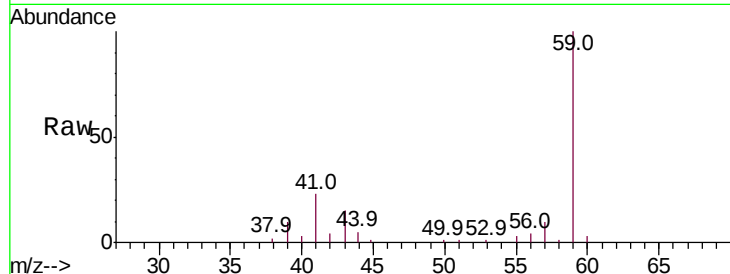
#11
Tert butyl alcohol
Concen: 109.976 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0530WBSD01

Tot Ion: 59 Resp: 65353
Ion Ratio Lower Upper
59 100
57 9.0 7.8 11.6

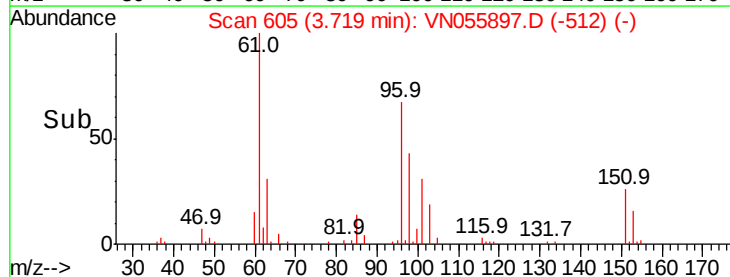
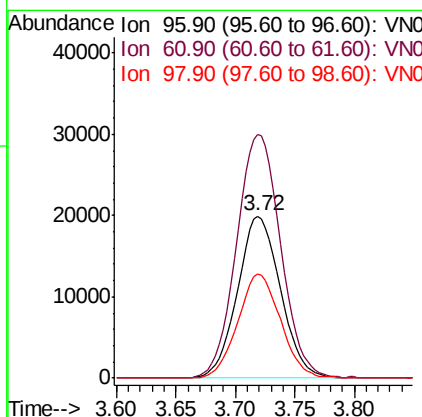
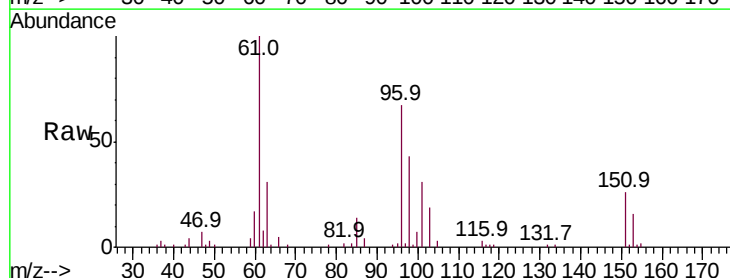
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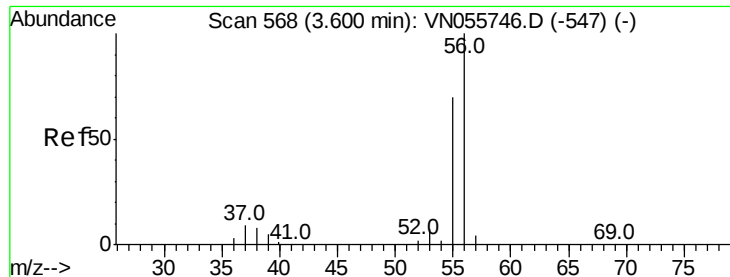
MMDadoda
5/31/2019 9:38:20 AM



#12
1,1-Dichloroethene
Concen: 19.462 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion: 96 Resp: 49847
Ion Ratio Lower Upper
96 100
61 150.1 123.2 184.8
98 64.1 50.4 75.6





#13

Acrolein

Concen: 70.976 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion: 56 Resp: 30201

Ion Ratio Lower Upper

56 100

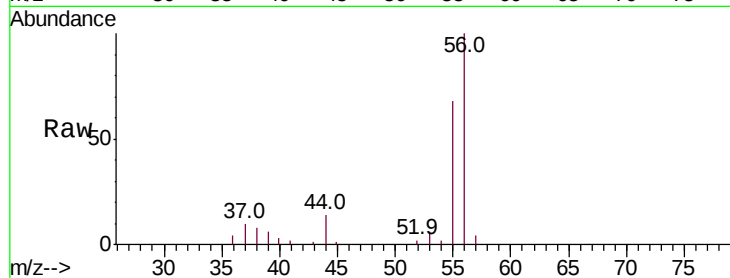
55 70.8 55.4 83.2

Manual Integrations

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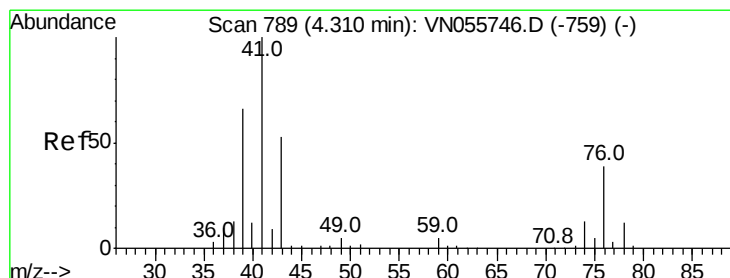
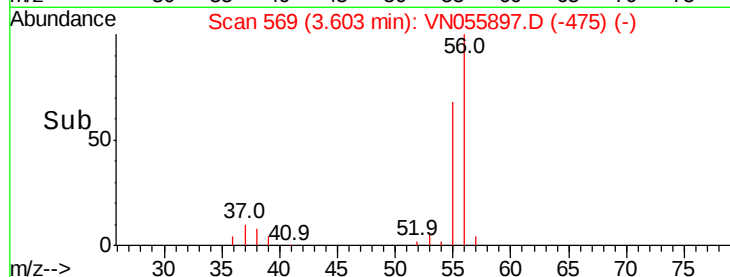
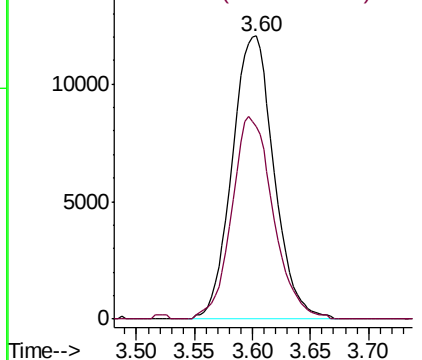
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.184 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

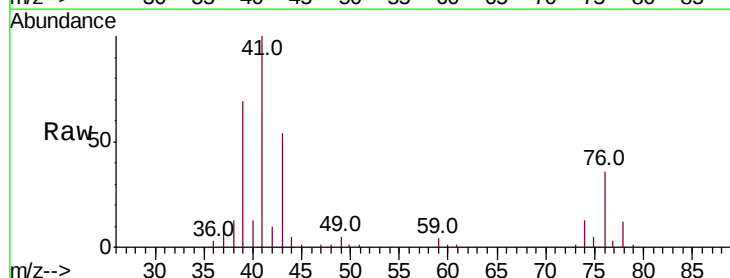
Tgt Ion: 41 Resp: 84235

Ion Ratio Lower Upper

41 100

39 64.4 50.0 75.0

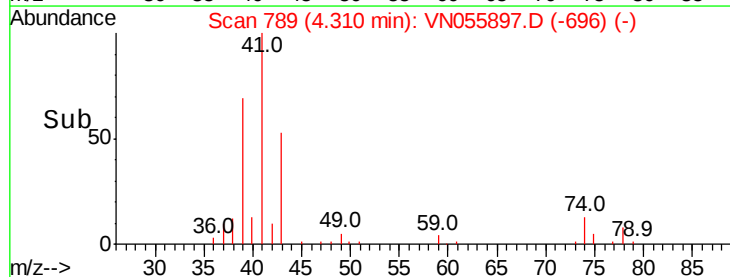
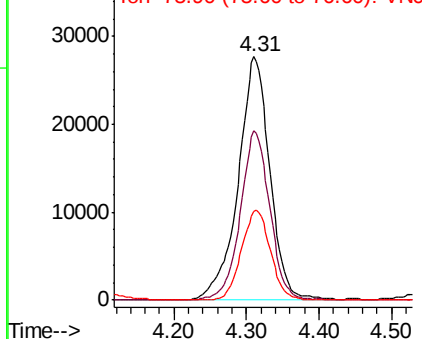
76 33.6 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





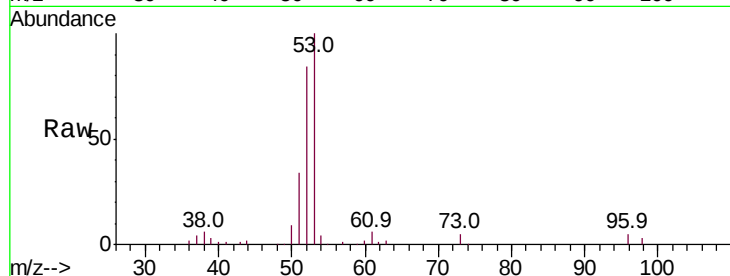
#15
 Acrylonitrile
 Concen: 107.221 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.8
51	35.0	28.2	42.4

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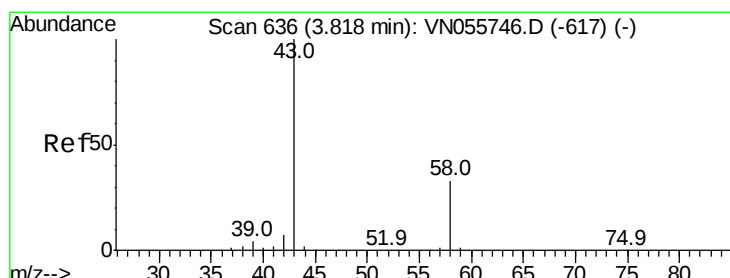
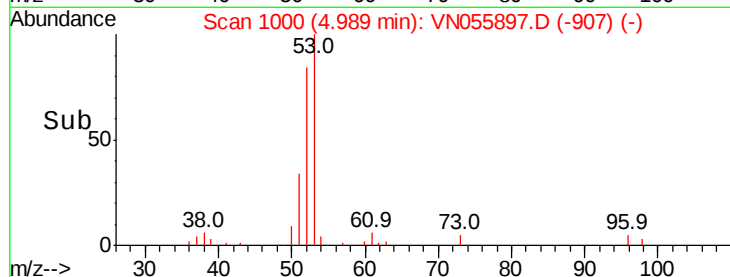
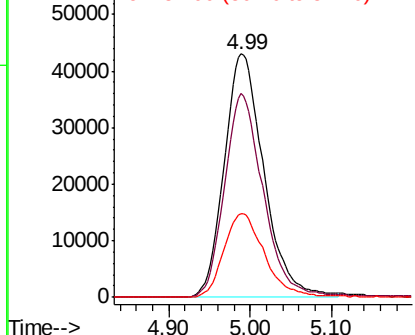


Abundance

Ion 53.00 (52.70 to 53.70): VN0

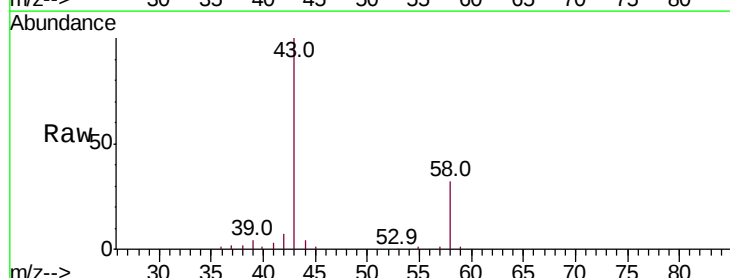
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16
 Acetone
 Concen: 96.023 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

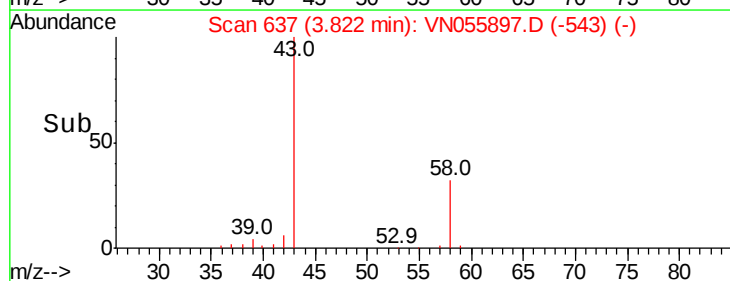
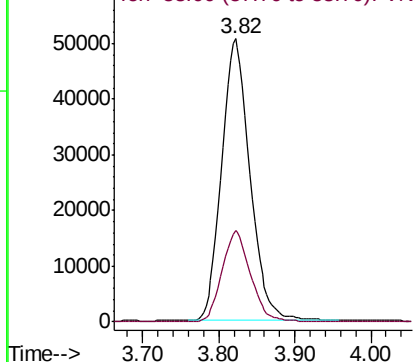
Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.6	39.8

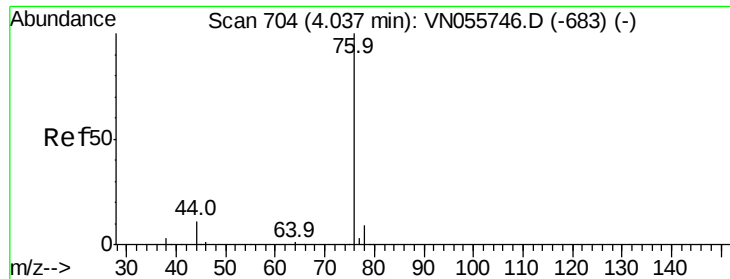


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





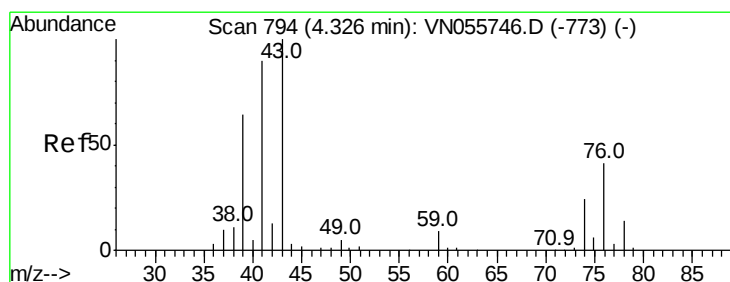
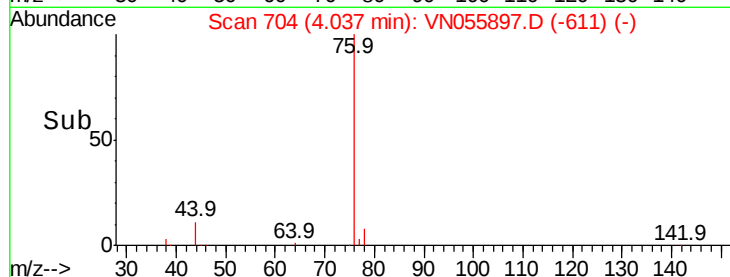
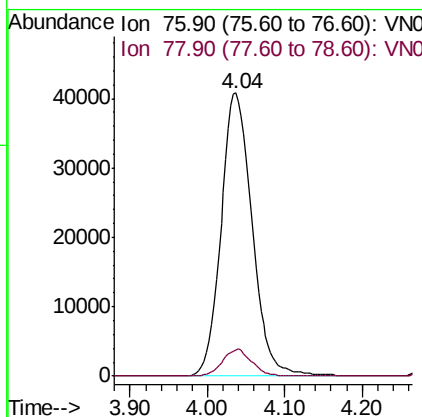
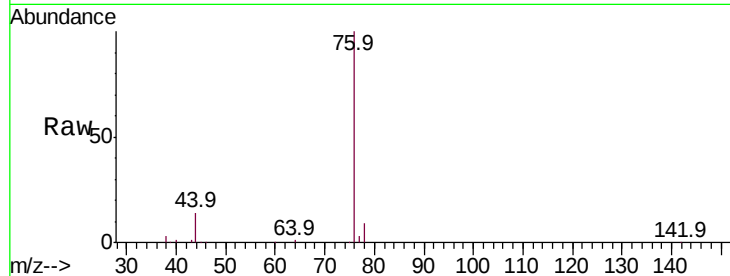
#17
Carbon Disulfide
Concen: 15.644 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

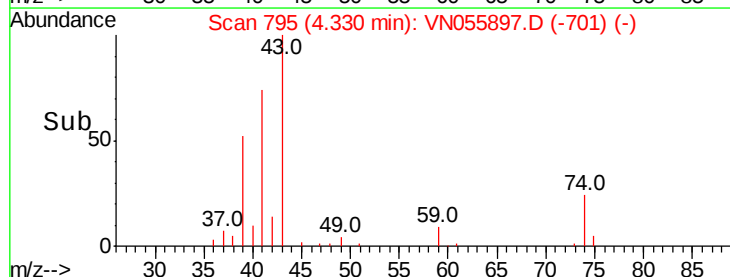
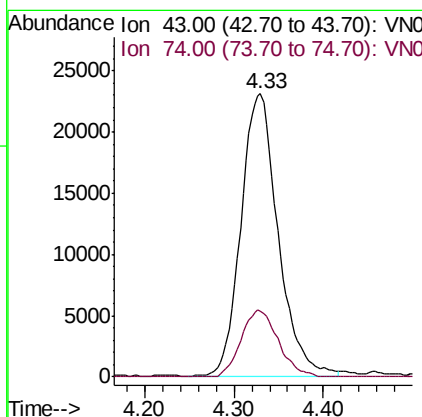
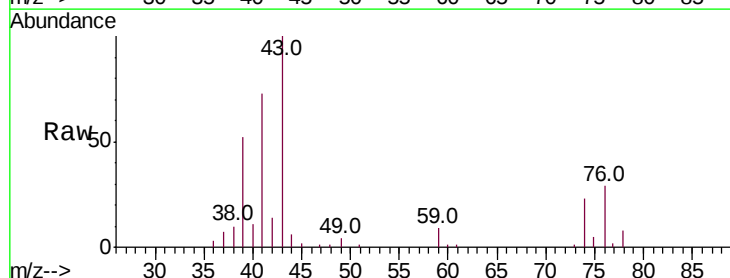
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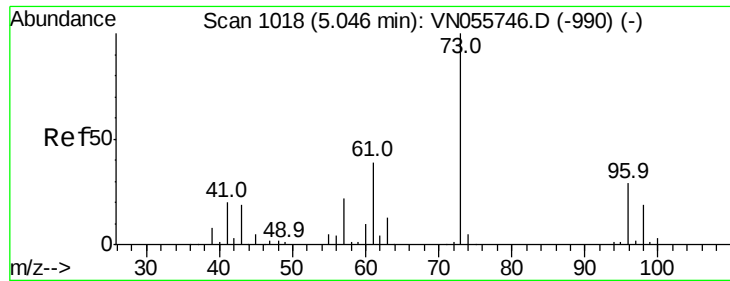
MMDadoda
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#18
Methyl Acetate
Concen: 23.562 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.3	28.9





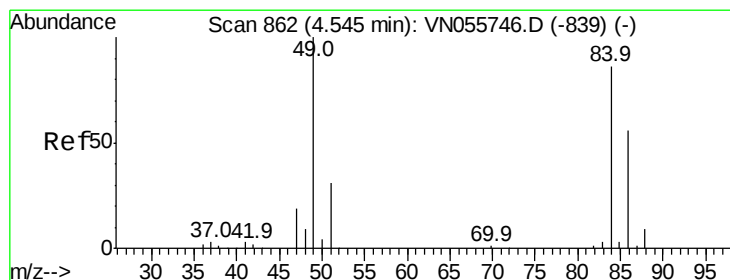
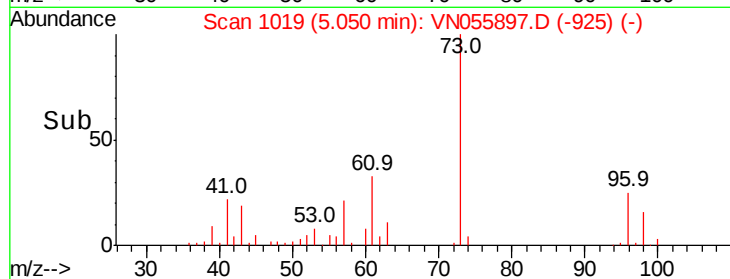
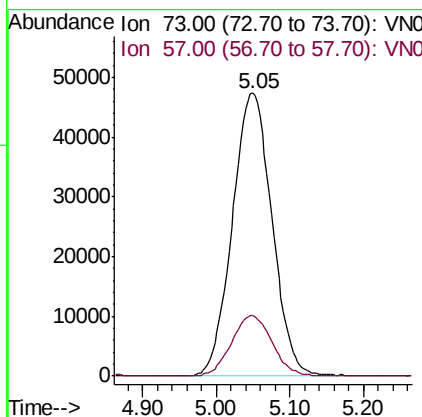
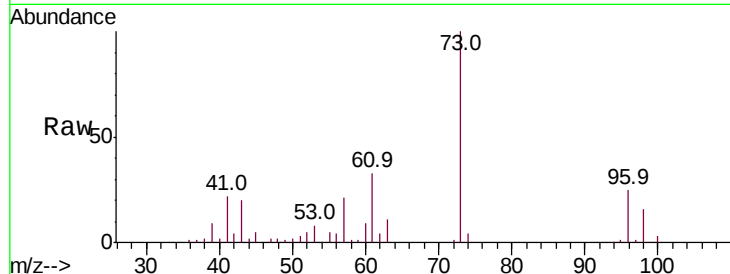
#19
Methvl tert-butvl Ether
Concen: 20.714 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion: 73 Resp: 176950
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

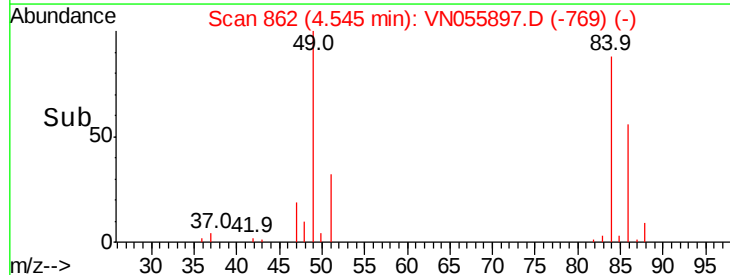
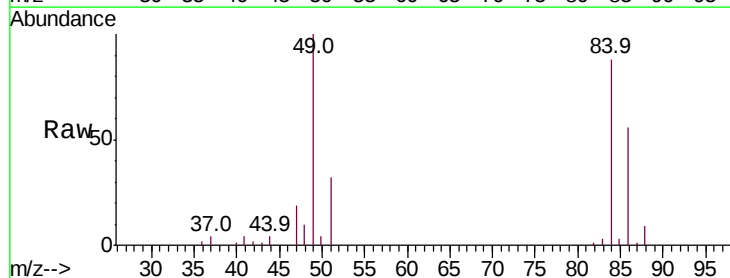
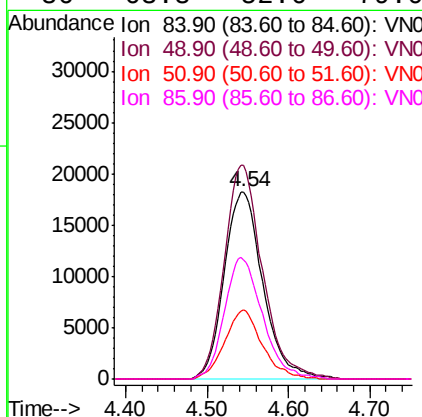
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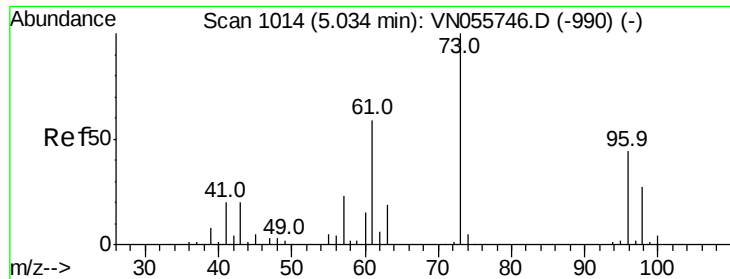
MMDadoda
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#20
Methylene Chloride
Concen: 20.427 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion: 84 Resp: 60480
Ion Ratio Lower Upper
84 100
49 114.1 93.5 140.3
51 36.9 28.6 43.0
86 63.8 52.6 79.0





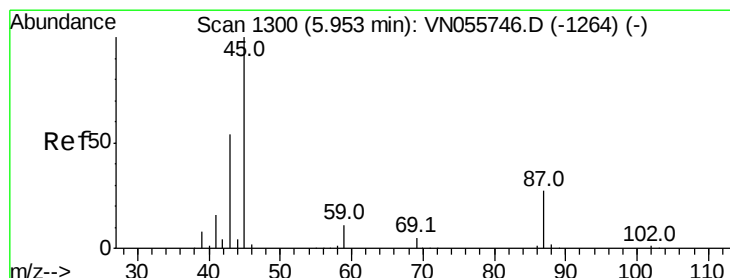
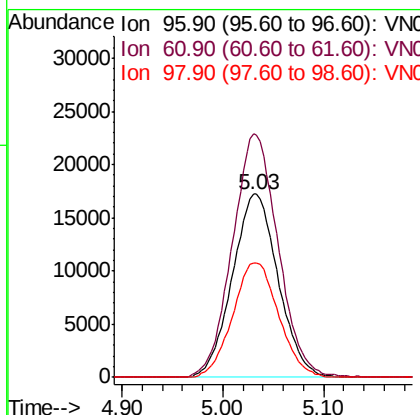
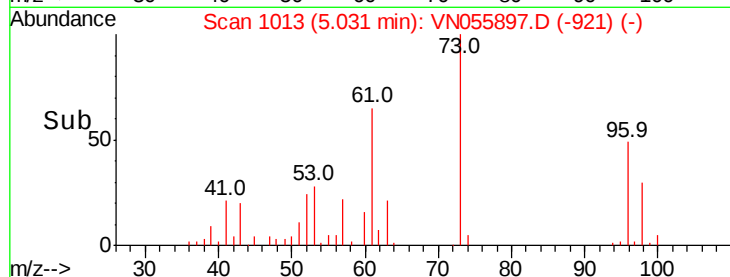
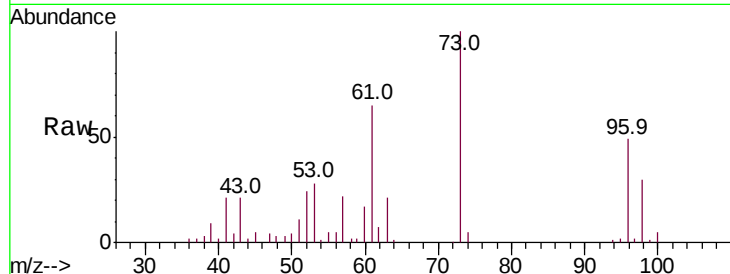
#21
trans-1,2-Dichloroethene
Concen: 19.718 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	107.8	161.8
98	62.3	49.8	74.8

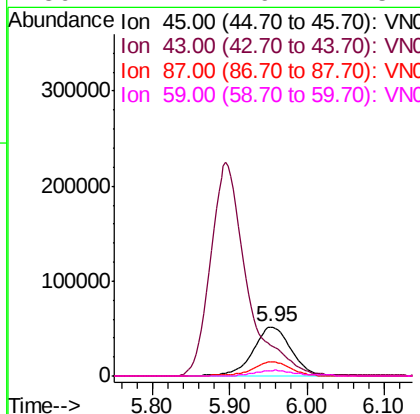
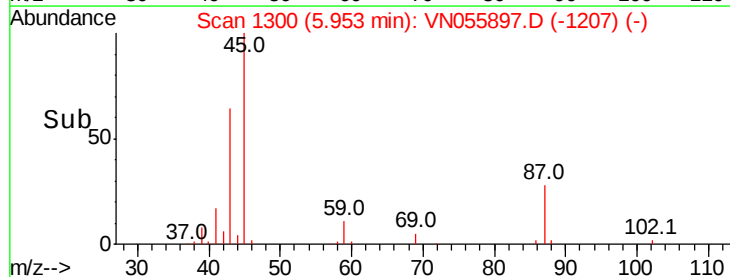
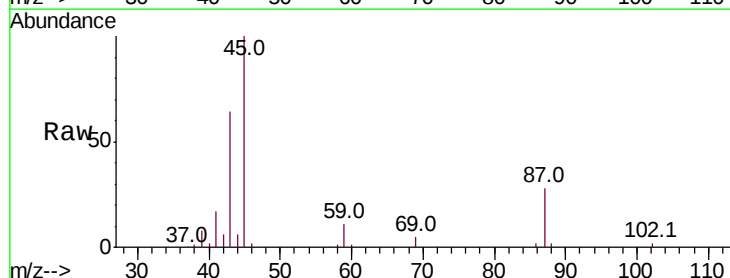
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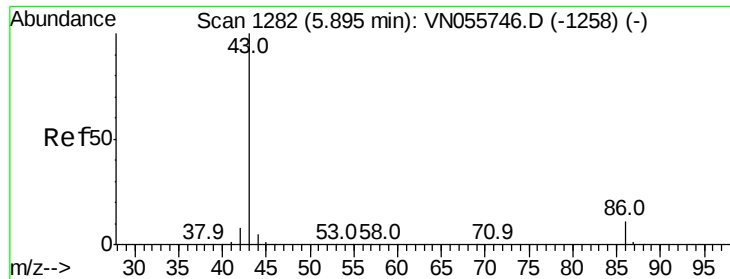
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#22
Diisopropyl ether
Concen: 20.888 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	45.0	67.6
87	27.8	22.2	33.4
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 101.023 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Tot Ion: 43 Resp: 739703

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0

Instrument :

MSVOA_N

ClientSampleId :

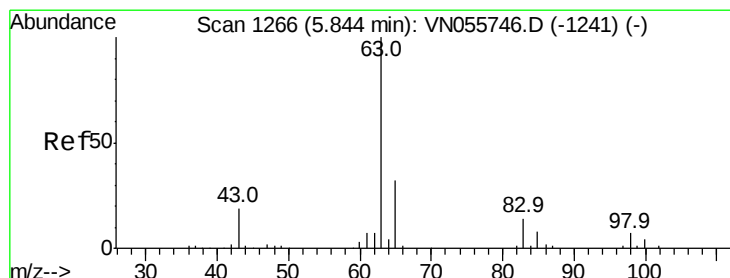
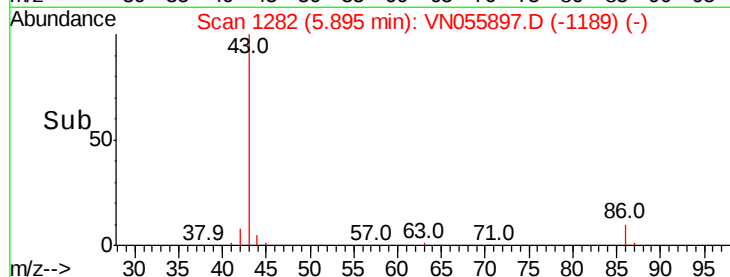
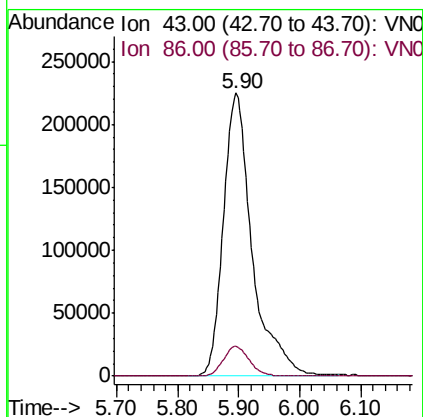
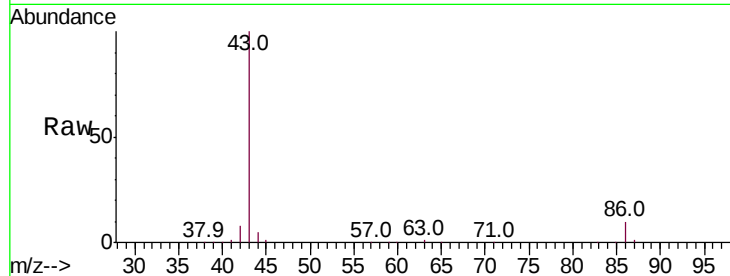
VN0530WBSD01

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.266 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

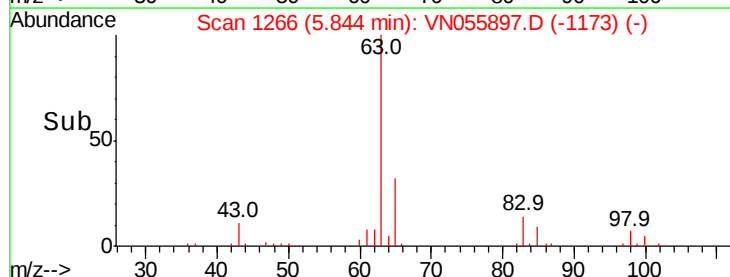
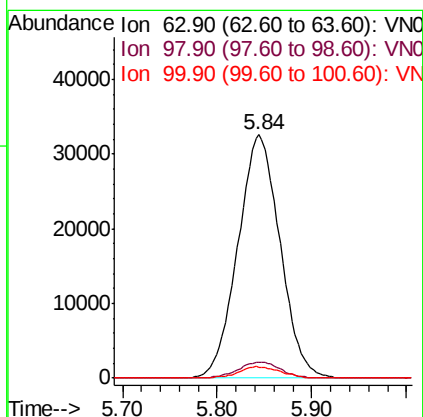
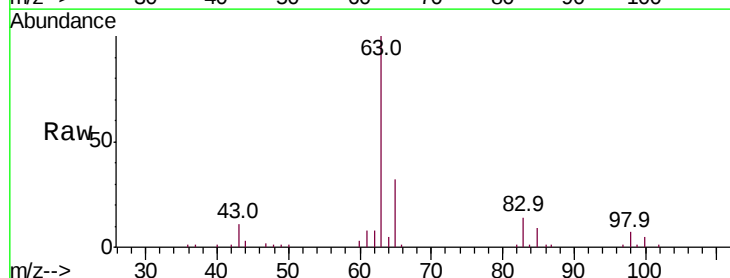
Tgt Ion: 63 Resp: 100767

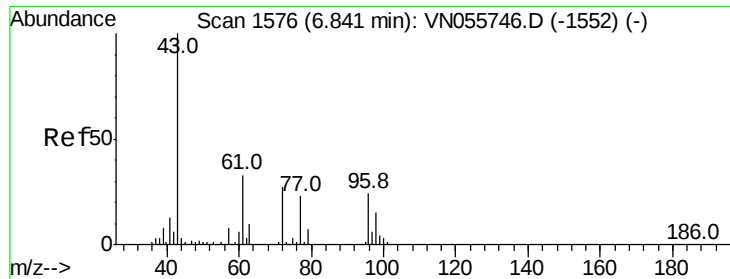
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 103.761 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0530WBSD01

Tot Ion: 43 Resp: 198117

Ion Ratio Lower Upper

43 100

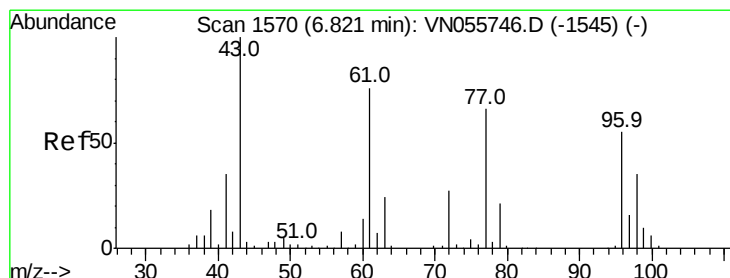
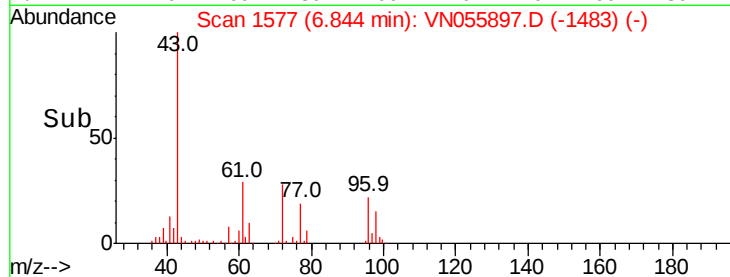
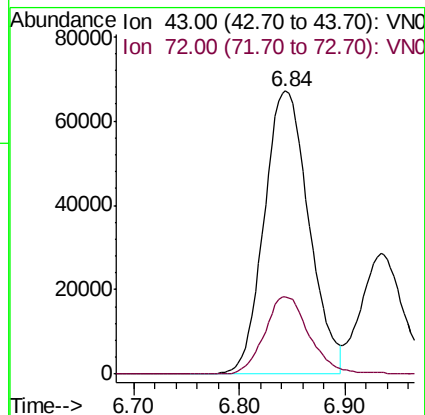
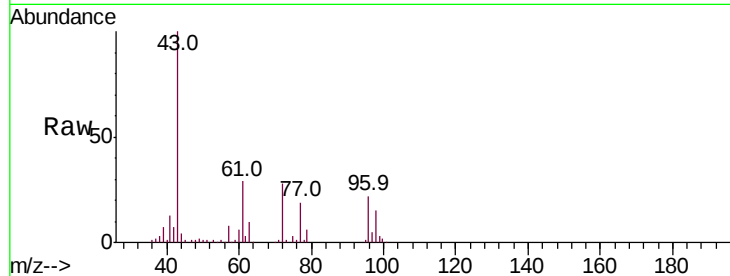
72 27.5 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 17.306 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055897.D

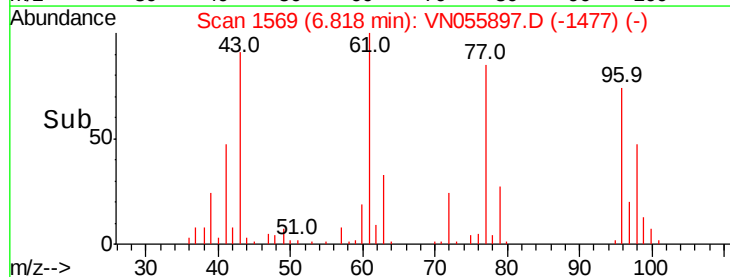
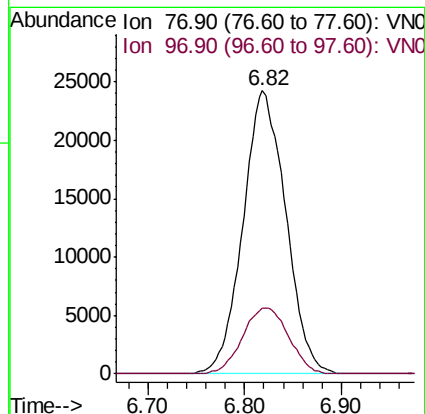
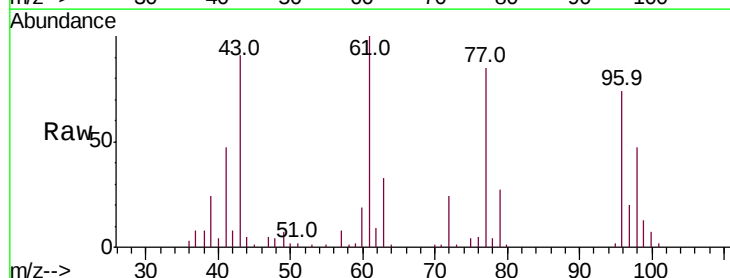
Acq: 30 May 2019 13:48

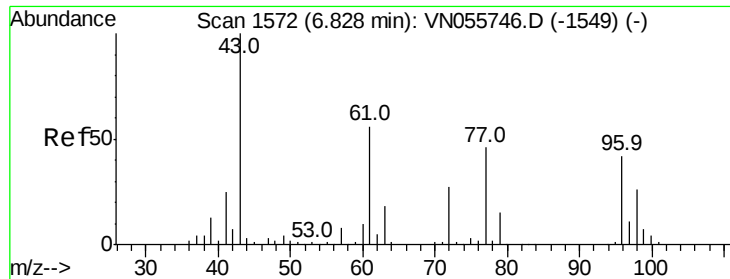
Tgt Ion: 77 Resp: 74474

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.723 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055897.D

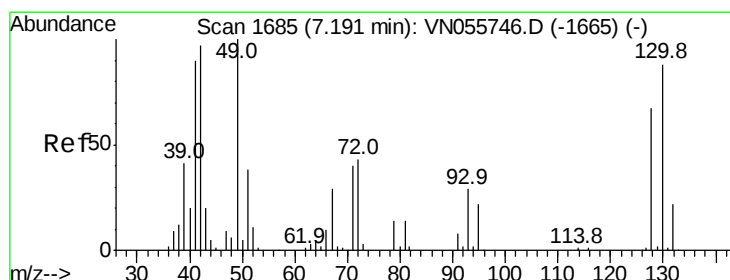
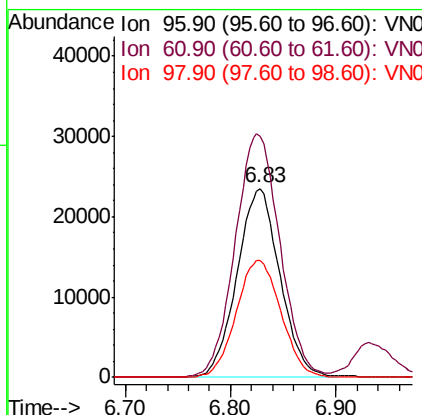
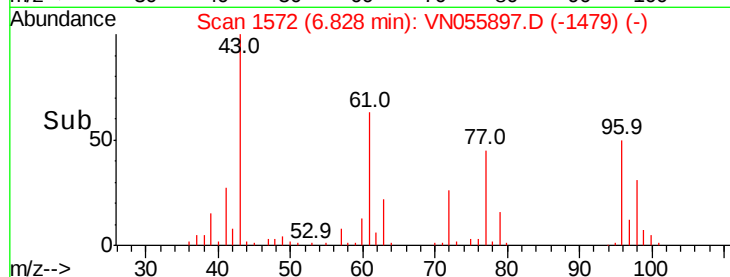
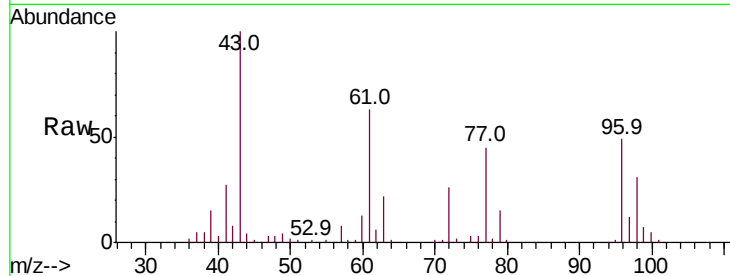
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66528		
61	134.7	0.0	275.8	
98	64.3	0.0	128.4	

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#28

Bromochloromethane

Concen: 20.906 ug/l

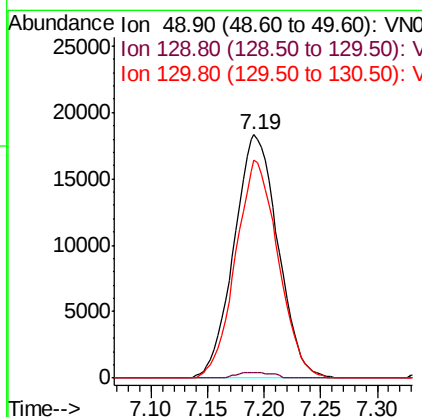
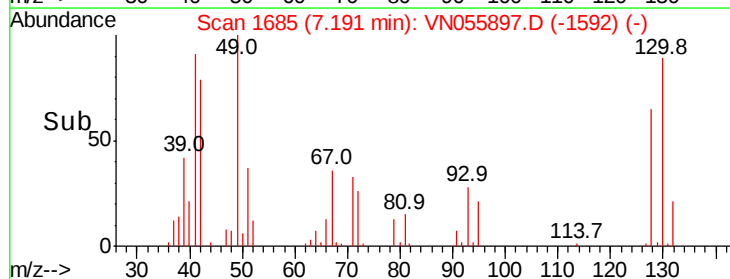
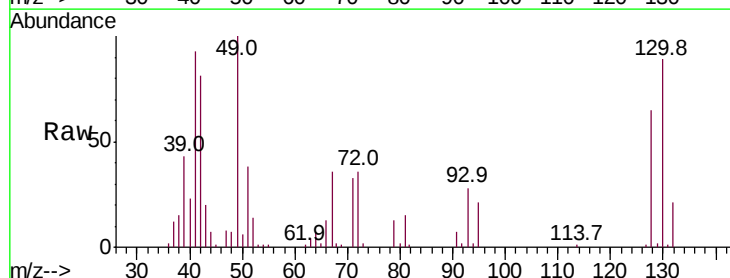
RT: 7.19 min Scan# 1685

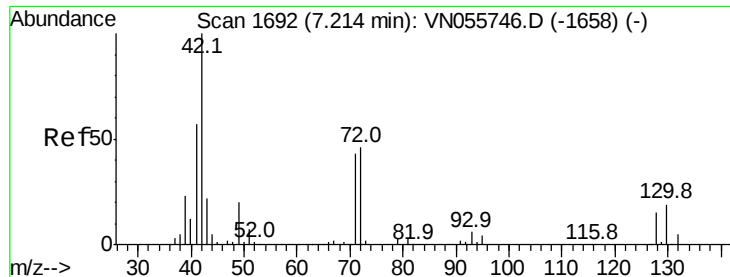
Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49492		
129	1.8	0.0	4.4	
130	86.7	71.2	106.8	





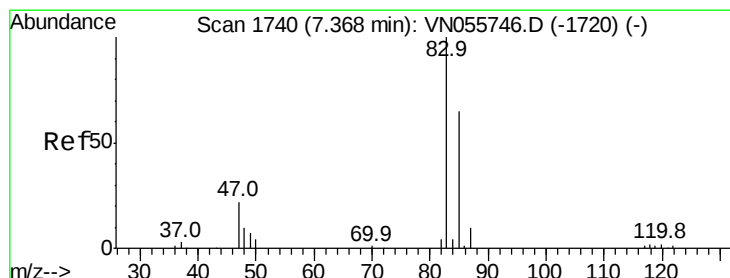
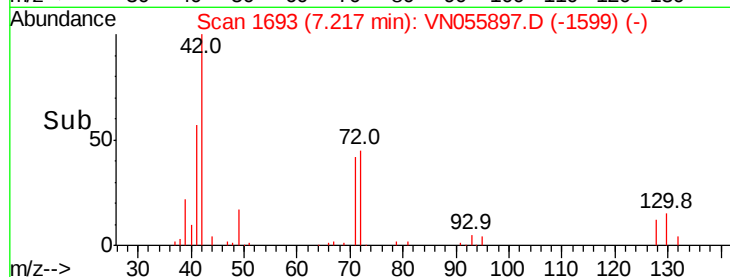
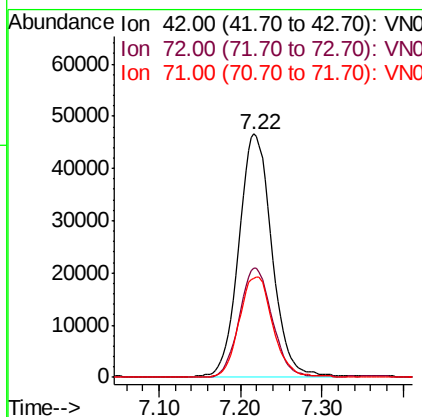
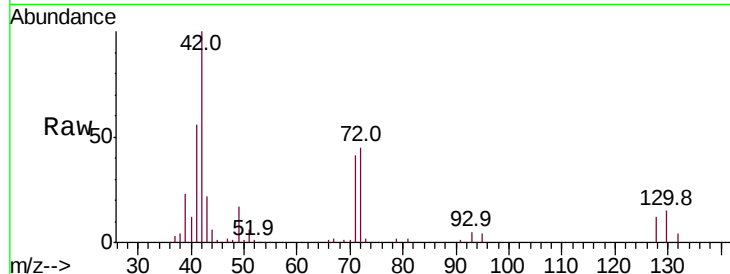
#29
Tetrahydrofuran
Concen: 108.422 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.9	53.9
71	41.7	34.0	51.0

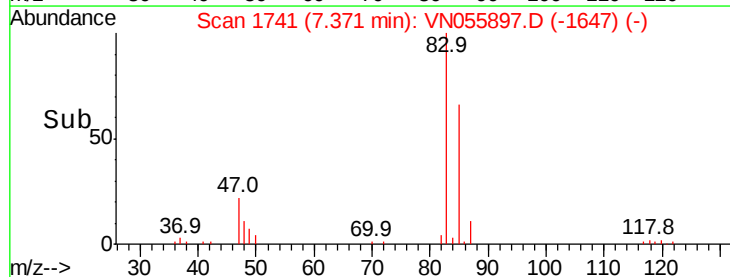
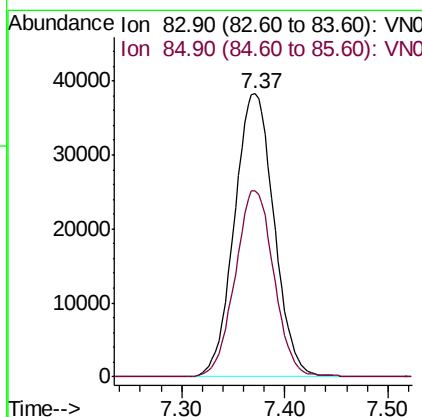
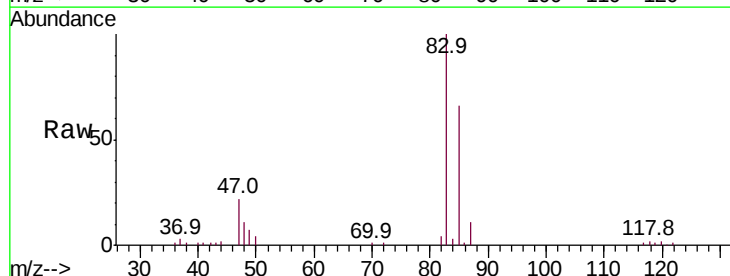
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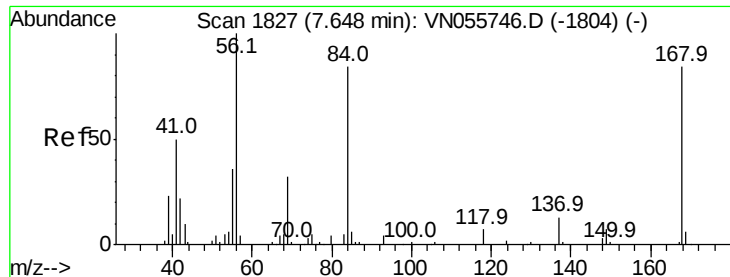
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#30
Chloroform
Concen: 20.633 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.8





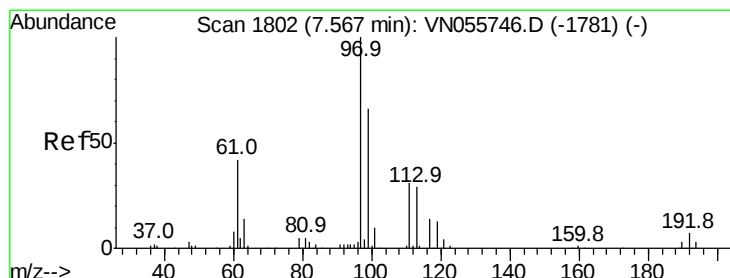
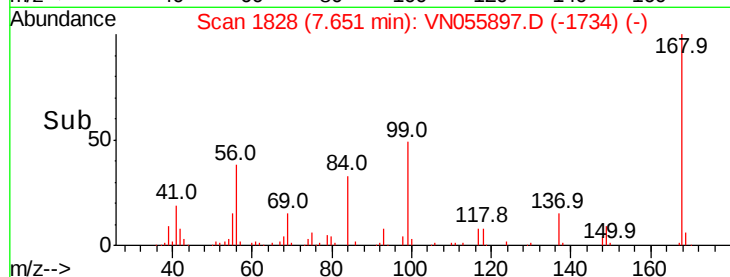
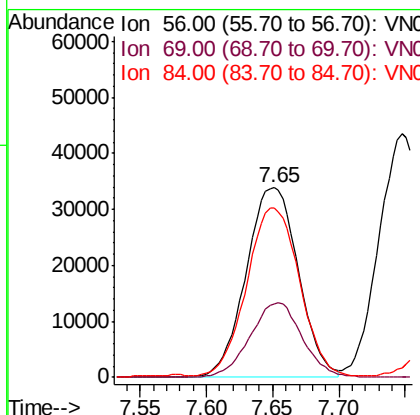
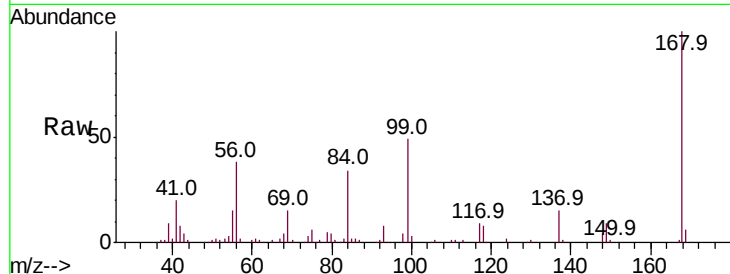
#31
Cyclohexane
Concen: 19.937 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion: 56 Resp: 93072
Ion Ratio Lower Upper
56 100
69 38.7 25.6 38.4#
84 88.2 67.4 101.0

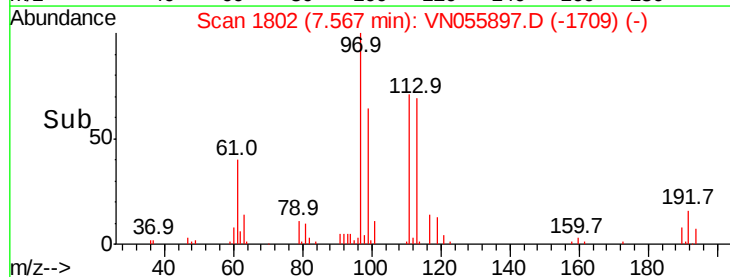
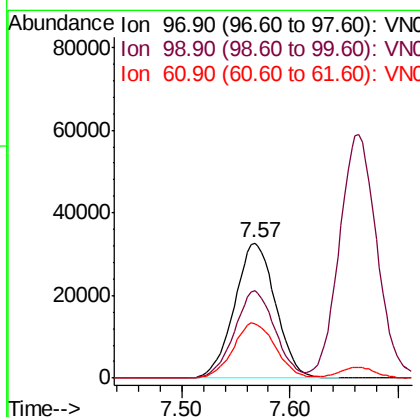
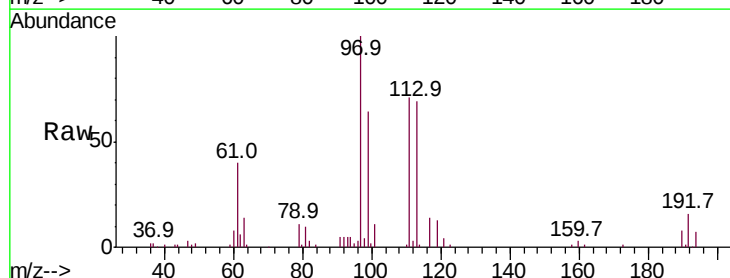
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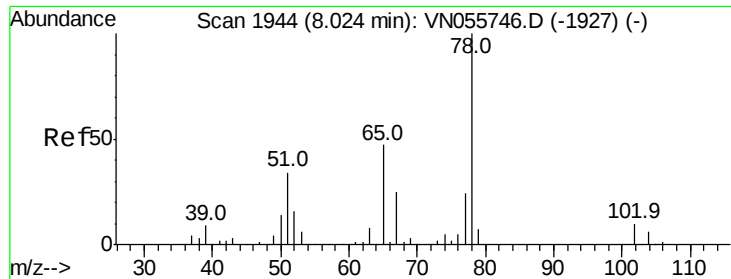
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#32
1,1,1-Trichloroethane
Concen: 19.514 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion: 97 Resp: 86348
Ion Ratio Lower Upper
97 100
99 64.0 52.0 78.0
61 42.0 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 52.589 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion: 65 Resp: 163560

Ion Ratio Lower Upper

65 100

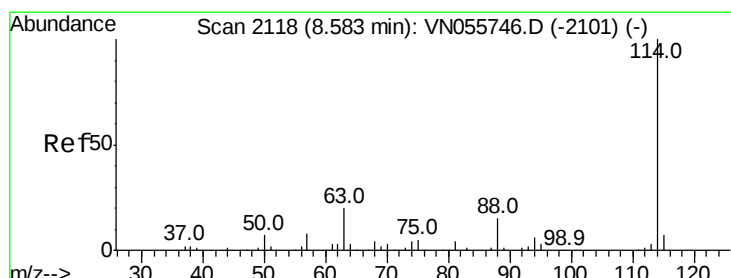
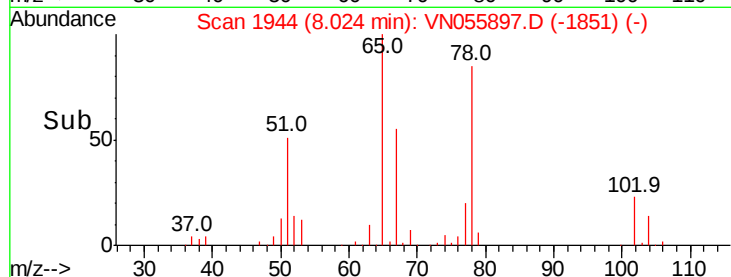
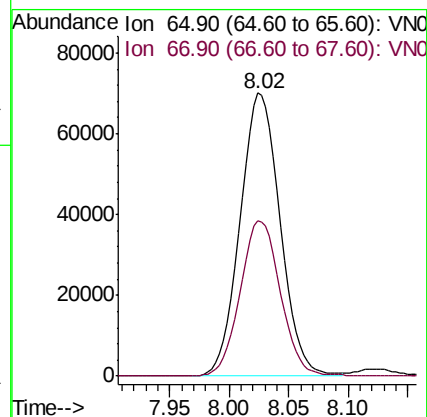
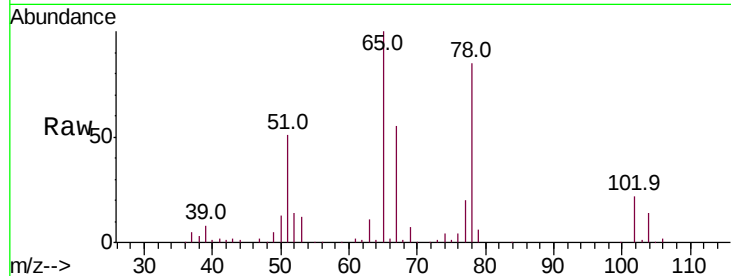
67 55.1 0.0 109.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

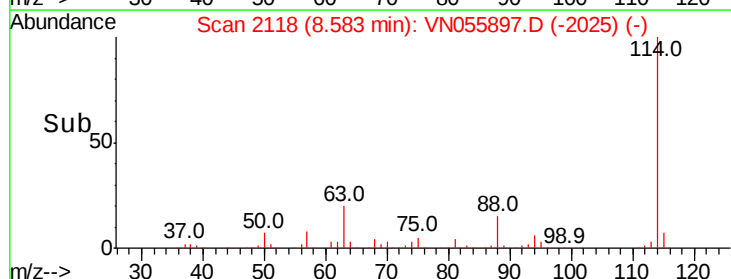
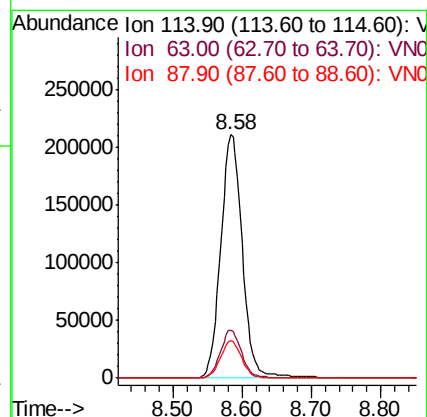
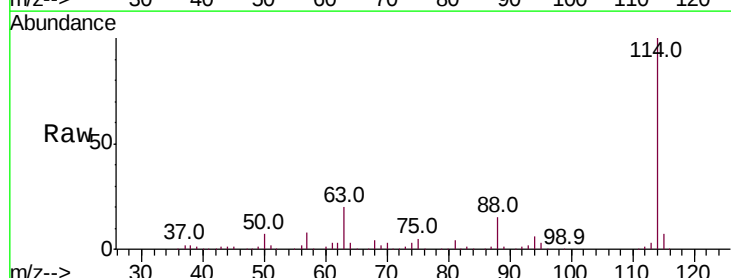
Tgt Ion: 114 Resp: 456718

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.330 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

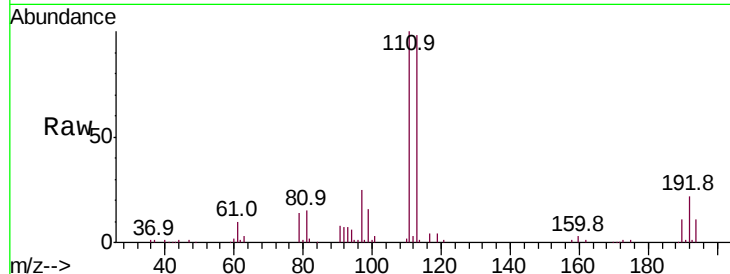
ClientSampleId :

VN0530WBSD01

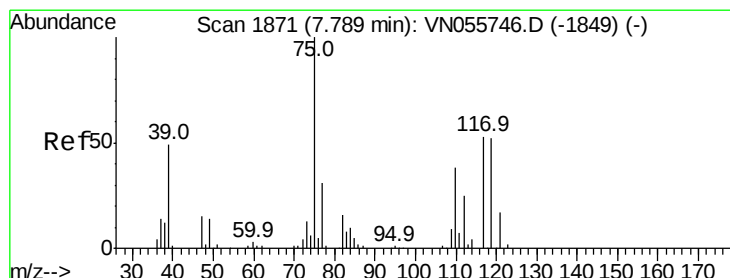
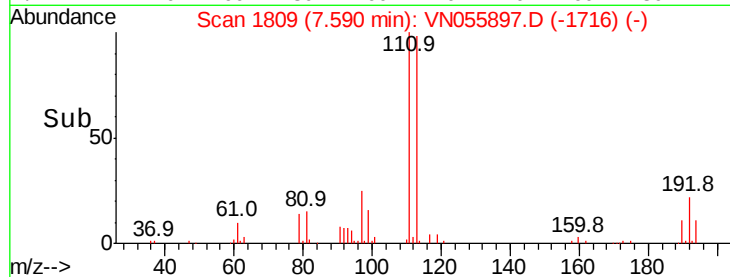
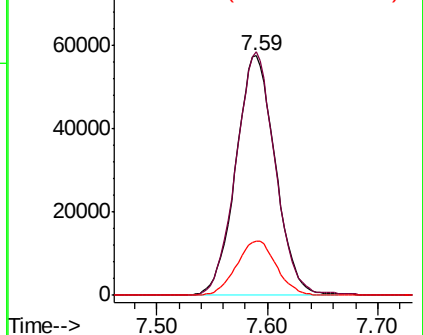
Tot Ion:	113	Resp:	142441
Ion Ratio	Lower	Upper	
113	100		
111	100.1	81.9	122.9
192	23.0	19.5	29.3

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



#36

1,1-Dichloropropene

Concen: 18.630 ug/l

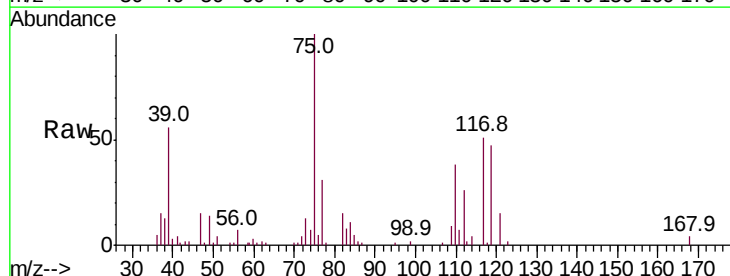
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

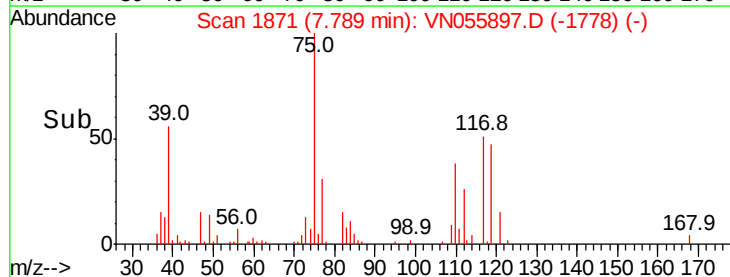
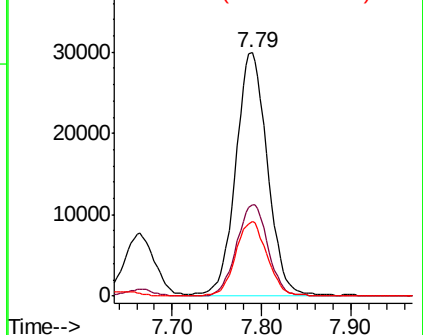
Lab File: VN055897.D

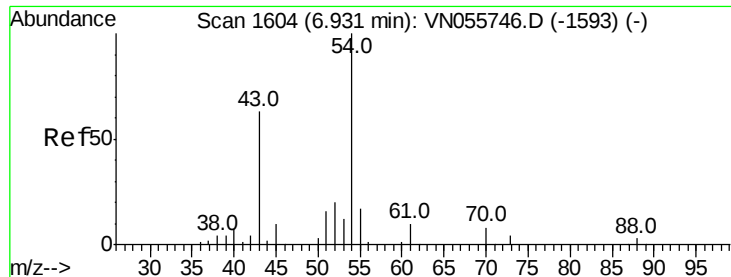
Acq: 30 May 2019 13:48

Tgt Ion:	75	Resp:	74149
Ion Ratio	Lower	Upper	
75	100		
110	37.0	19.0	57.0
77	30.4	25.1	37.7



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





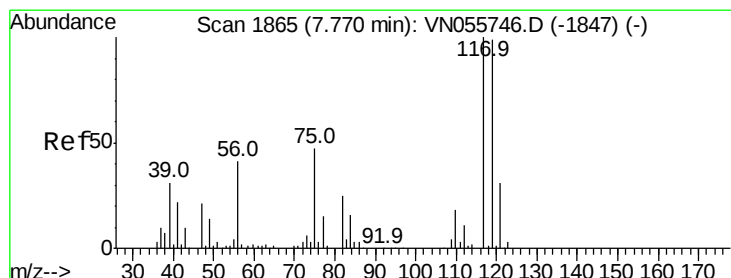
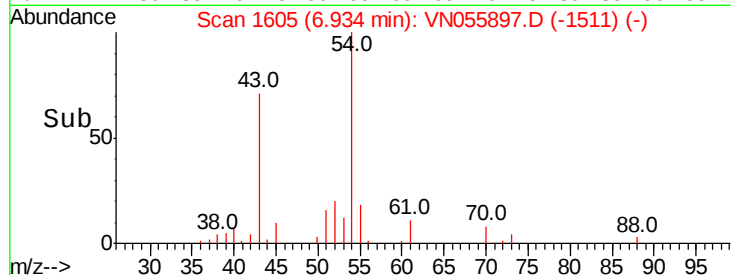
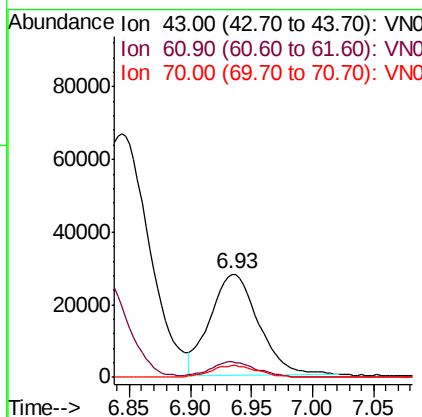
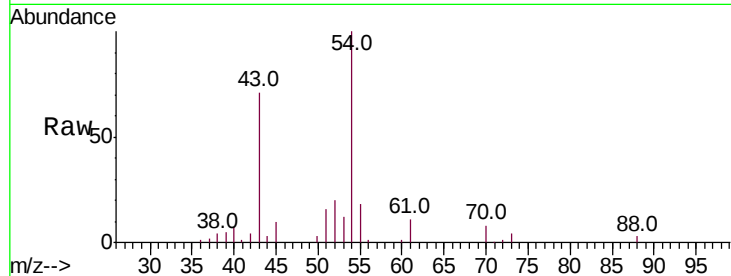
#37
Ethyl Acetate
Concen: 20.093 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	11.3	8.9	13.3

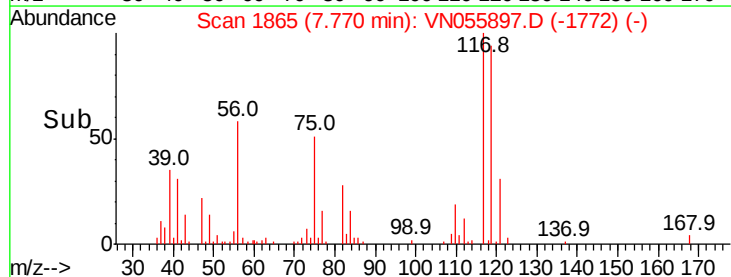
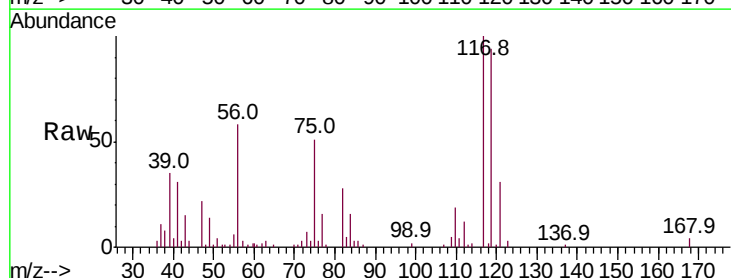
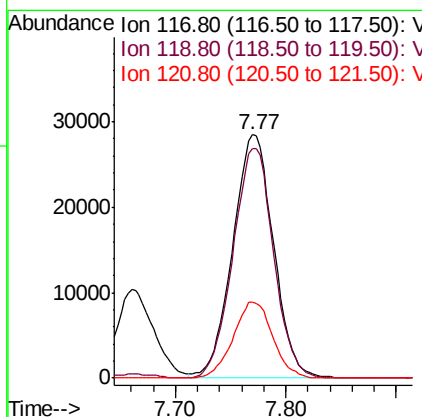
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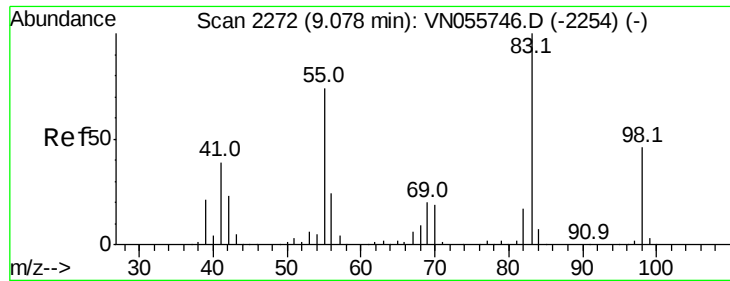
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#38
Carbon Tetrachloride
Concen: 17.628 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	79.0	118.6
121	31.4	24.7	37.1





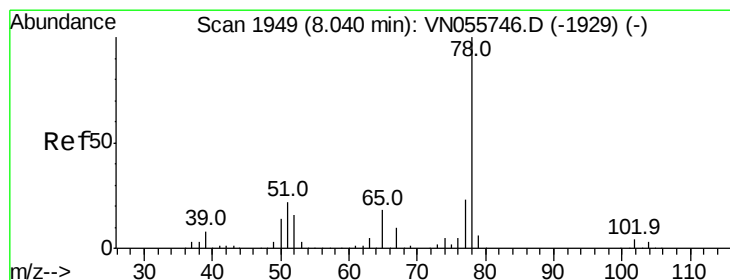
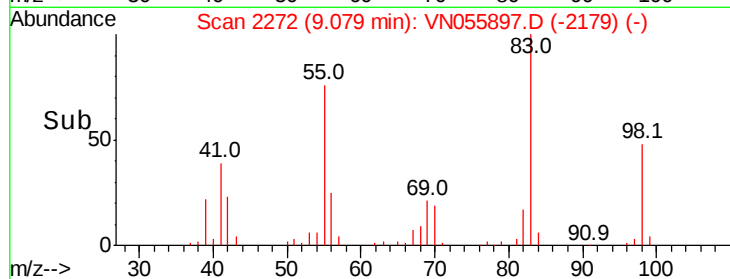
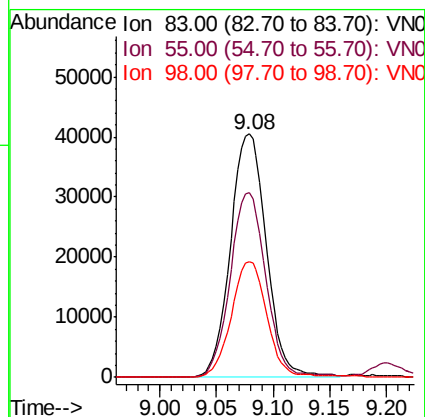
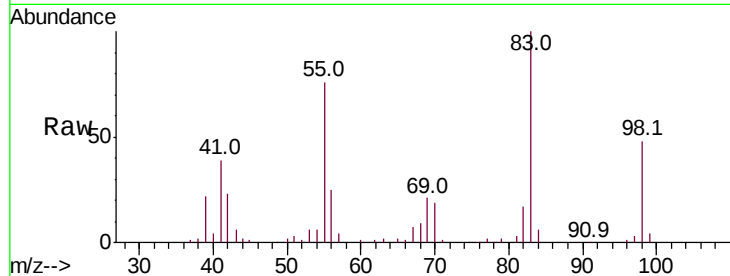
#39
Methvlcvclohexane
Concen: 18.203 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	59.3	88.9
98	47.7	36.6	54.8

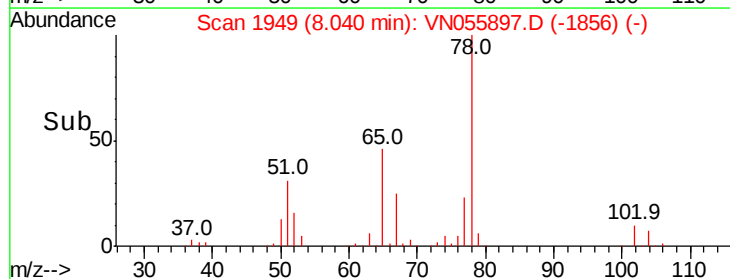
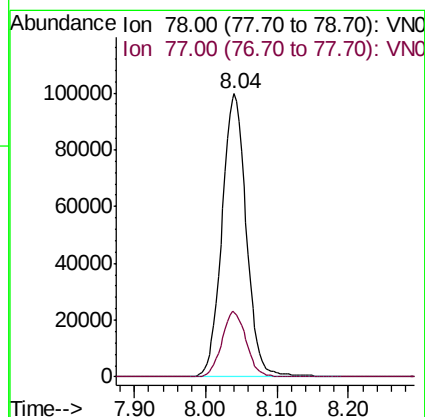
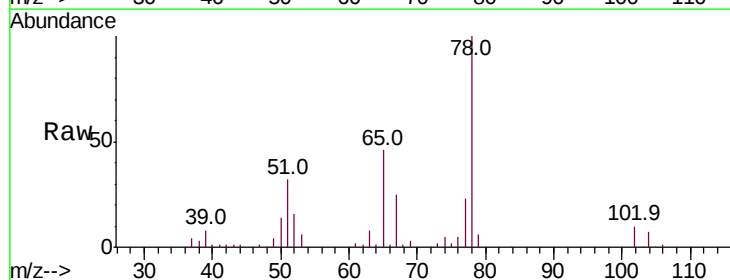
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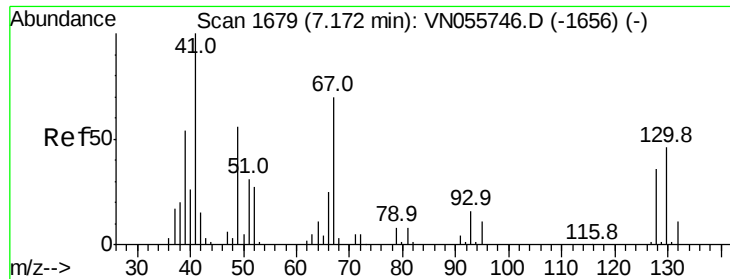
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#40
Benzene
Concen: 19.725 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 18.825 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion: 41 Resp: 36585

Ion Ratio Lower Upper

41 100

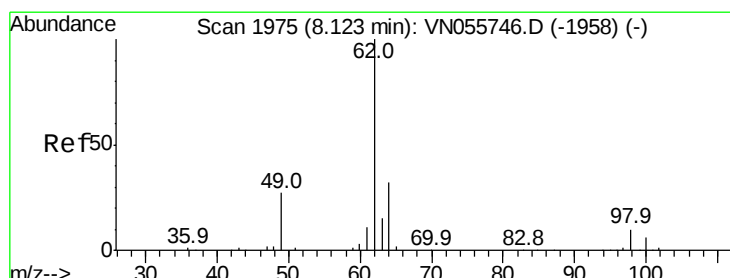
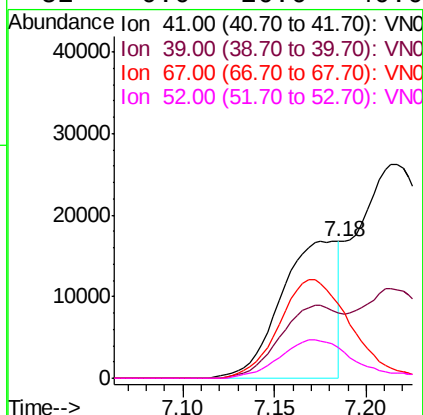
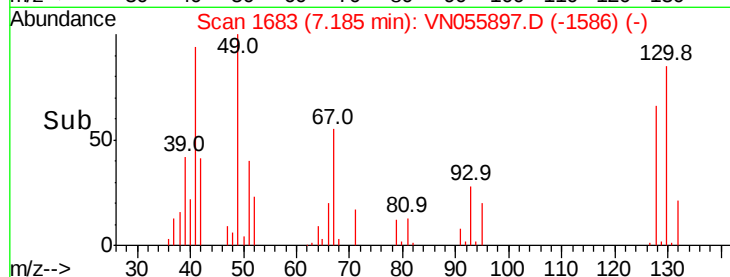
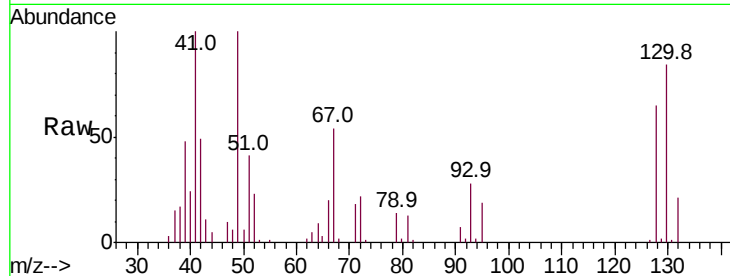
39 0.0 45.6 68.4#

67 0.0 67.7 101.5#

52 0.0 26.6 40.0#

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#42

1,2-Dichloroethane

Concen: 20.140 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055897.D

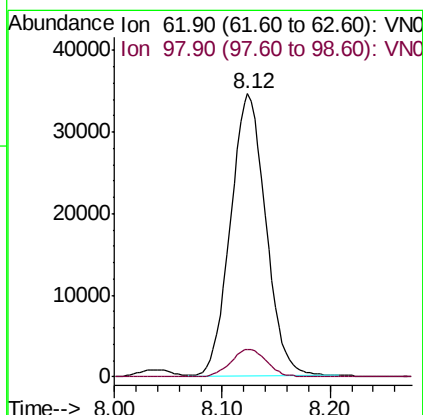
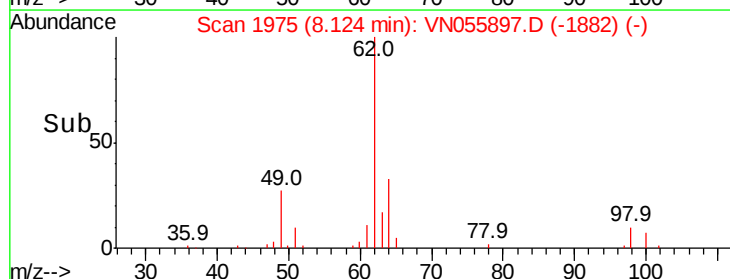
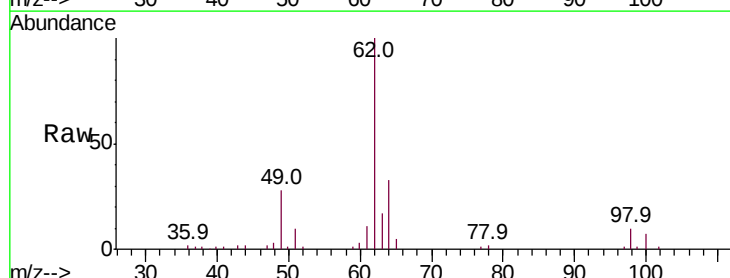
Acq: 30 May 2019 13:48

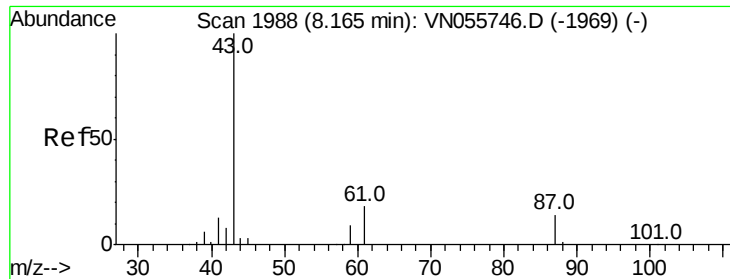
Tgt Ion: 62 Resp: 78940

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.094 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

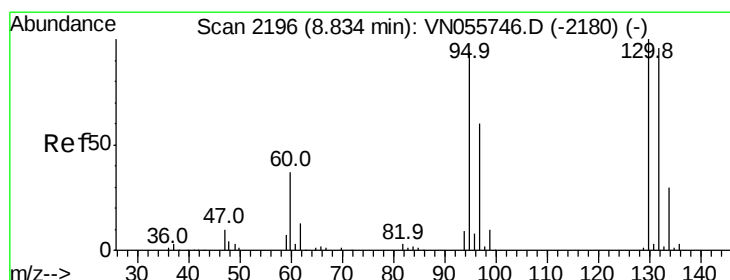
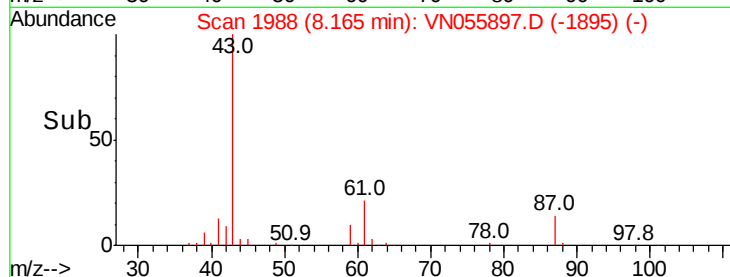
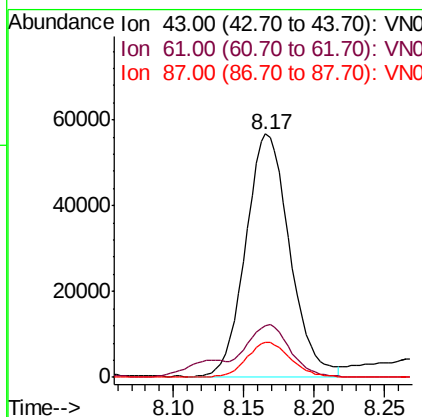
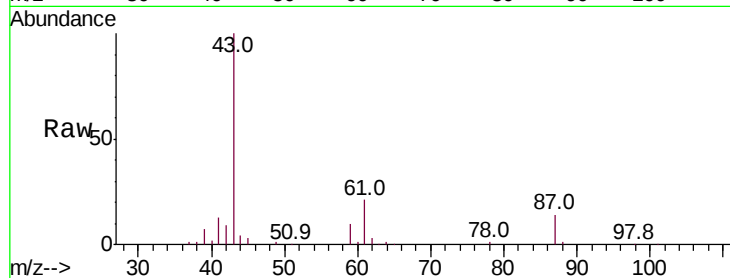
ClientSampleId :

VN0530WBSD01

Tot Ion:	43	Resp:	123410
Ion Ratio	Lower	Upper	
43	100		
61	21.2	22.2	33.4#
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 19.489 ug/l

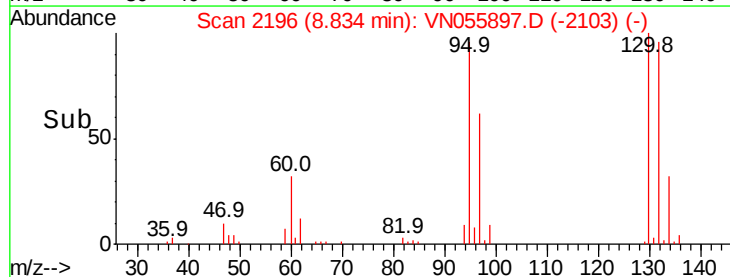
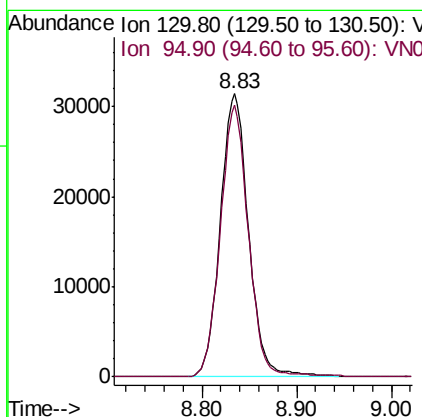
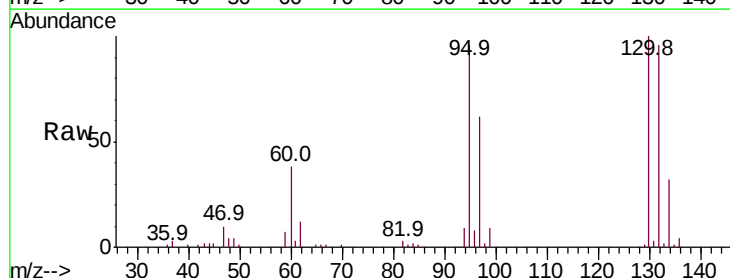
RT: 8.83 min Scan# 2196

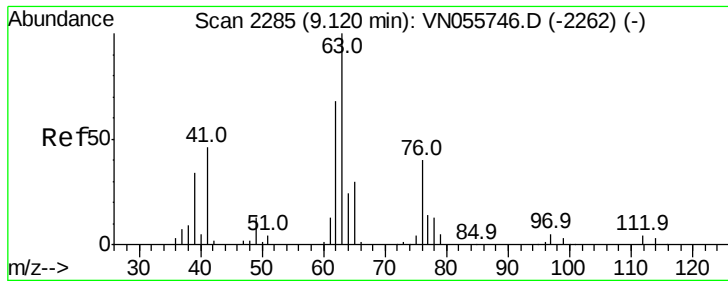
Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Tgt Ion:	130	Resp:	65172
Ion Ratio	Lower	Upper	
130	100		
95	95.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.787 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion: 63 Resp: 61840

Ion Ratio Lower Upper

63 100

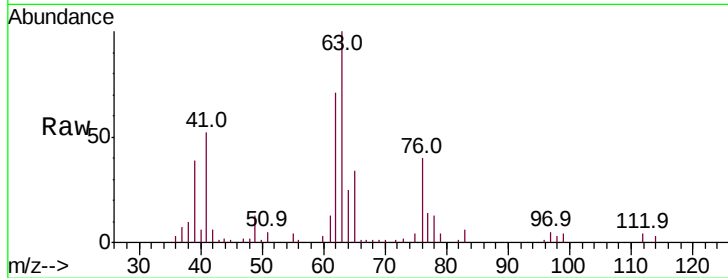
65 34.1 24.6 36.8

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Abundance Ion 62.90 (62.60 to 63.60): VN055897.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055897.D (-2192) (-)

9.12

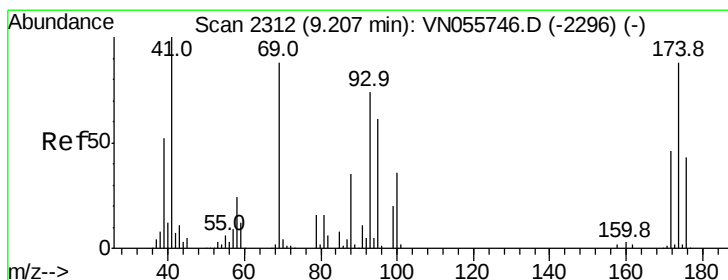
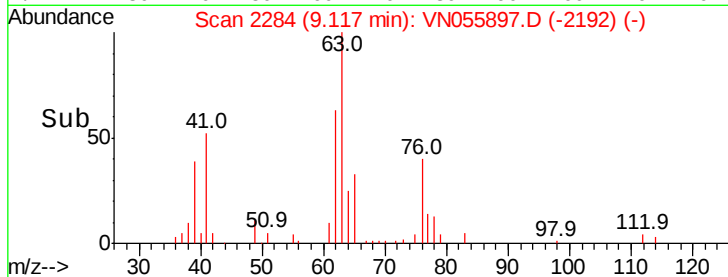
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 20.157 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

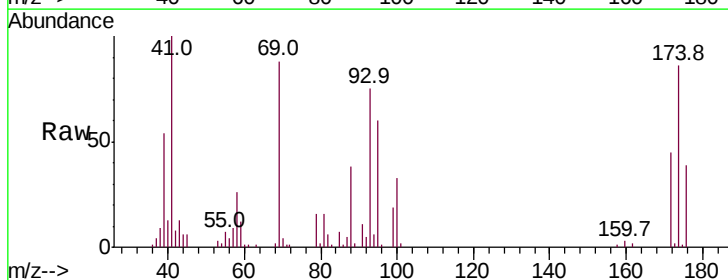
Tgt Ion: 93 Resp: 41314

Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 115.7 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055897.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055897.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055897.D (-2219) (-)

9.21

30000

25000

20000

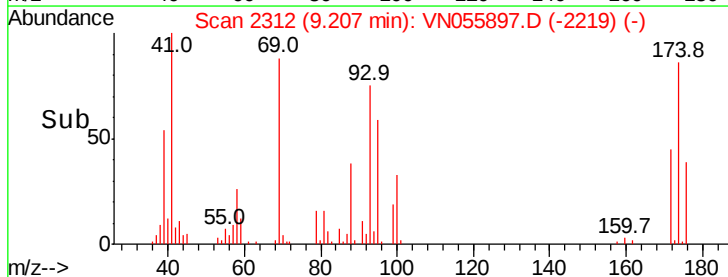
15000

10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 18.617 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

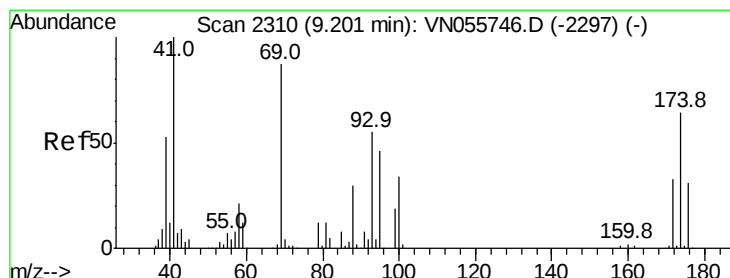
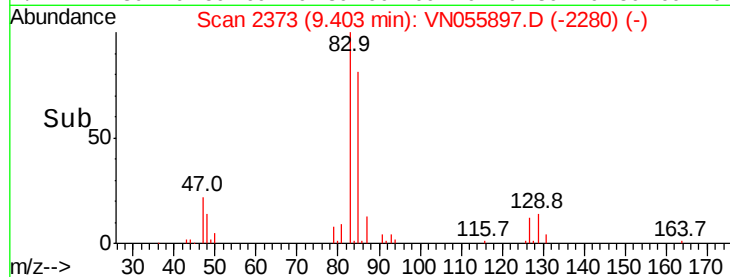
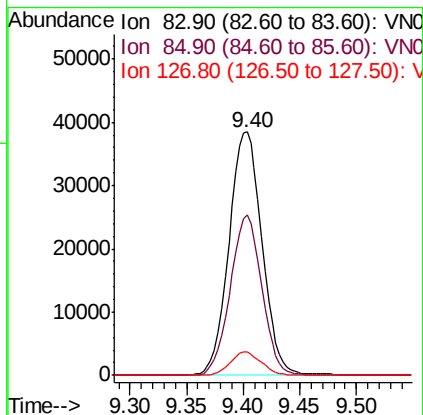
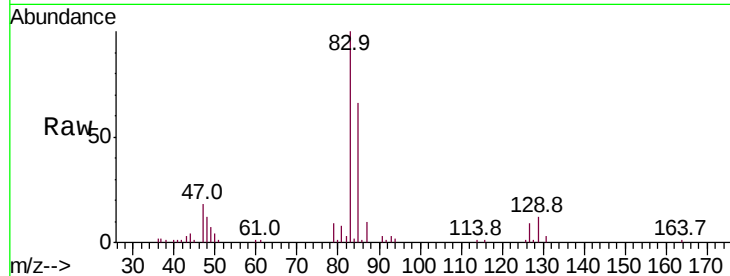
ClientSampleId :

VN0530WBSD01

Tot Ion:	83	Resp:	78243
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.2	78.2
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 20.553 ug/l

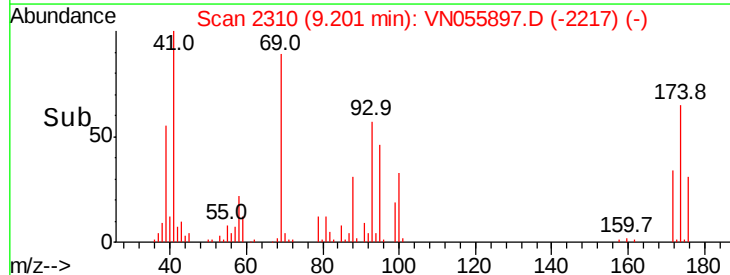
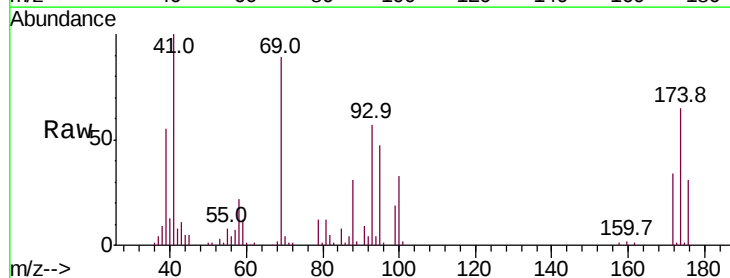
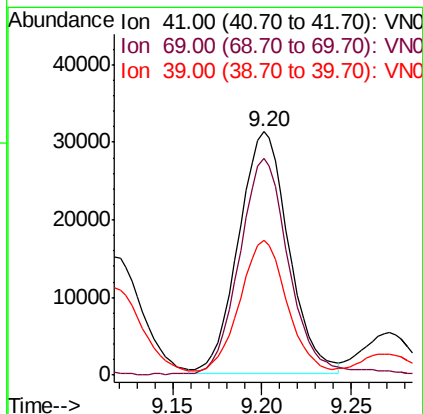
RT: 9.20 min Scan# 2310

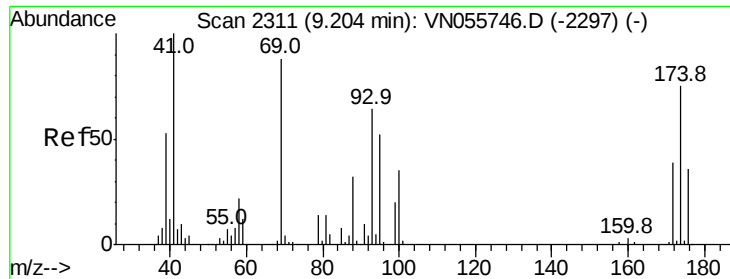
Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Tgt Ion:	41	Resp:	61223
Ion Ratio	Lower	Upper	
41	100		
69	89.9	71.0	106.6
39	53.8	44.2	66.2





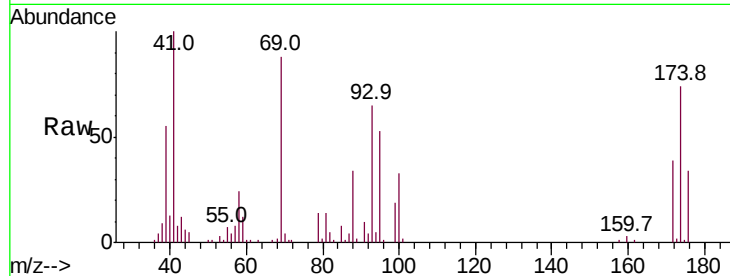
#49
 1,4-Dioxane
 Concen: 415.147 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

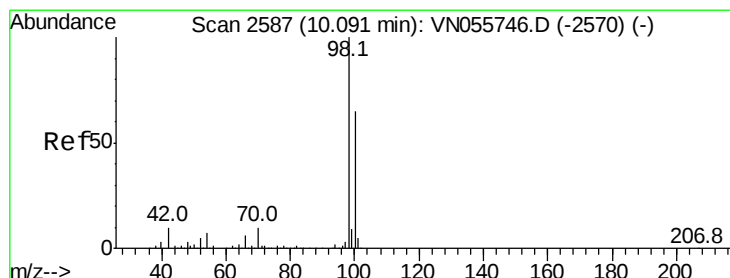
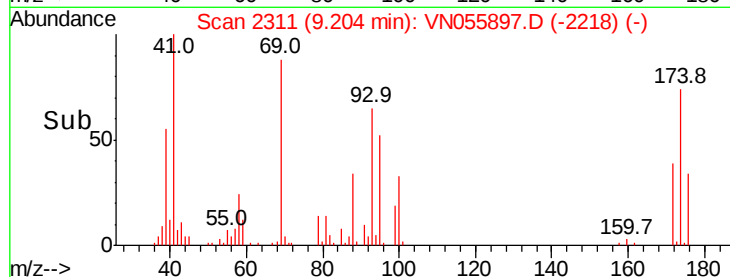
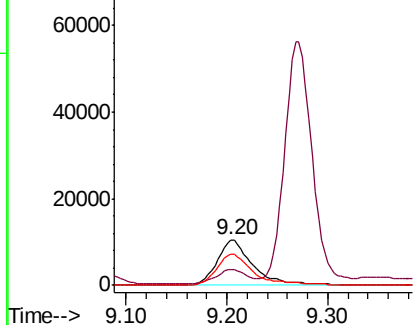
Tot Ion	88	Resp	25698
Ion	Ratio	Lower	Upper
88	100		
43	27.0	20.5	30.7
58	71.2	55.8	83.6

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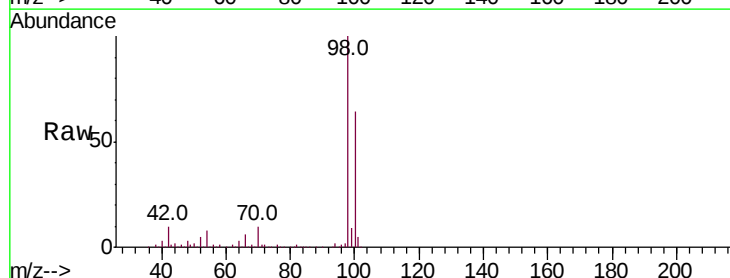


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

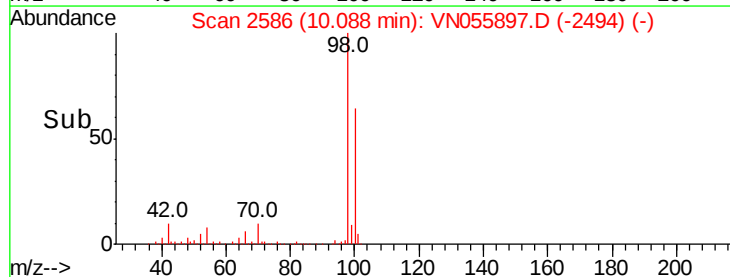
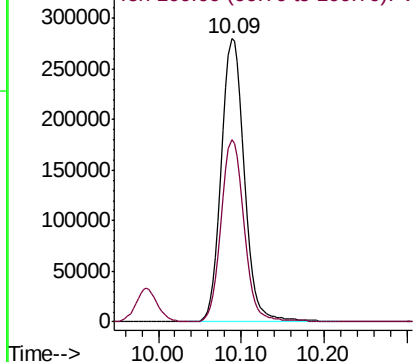


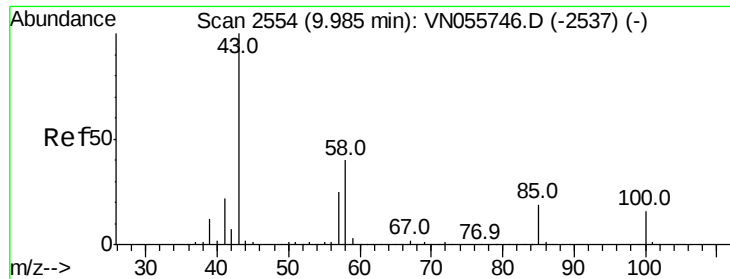
#50
 Toluene-d8
 Concen: 48.720 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion	98	Resp	539639
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9



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





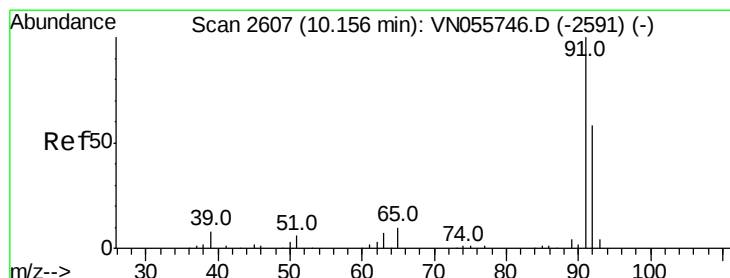
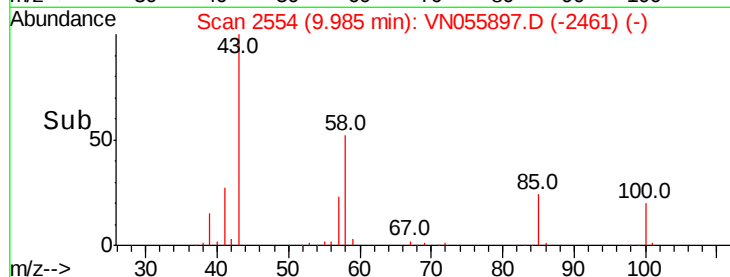
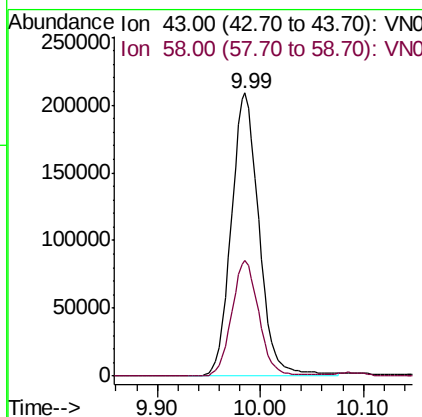
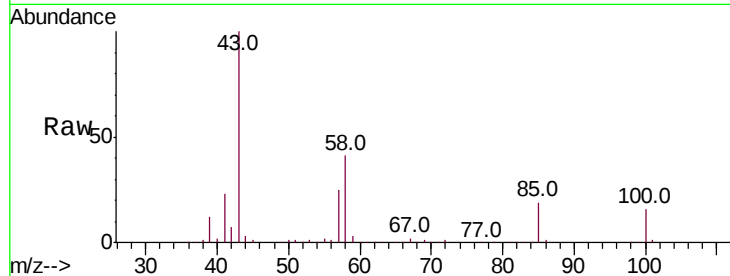
#51
4-Methyl-2-Pentanone
Concen: 102.369 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion: 43 Resp: 390763
Ion Ratio Lower Upper
43 100
58 40.3 32.1 48.1

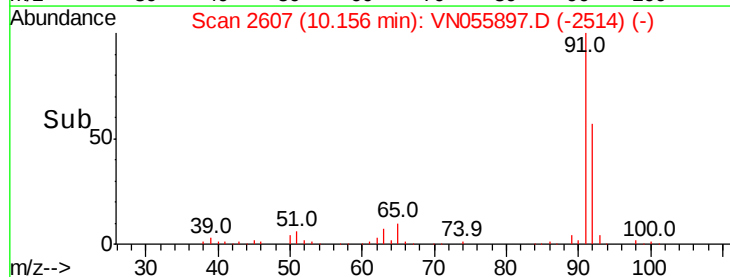
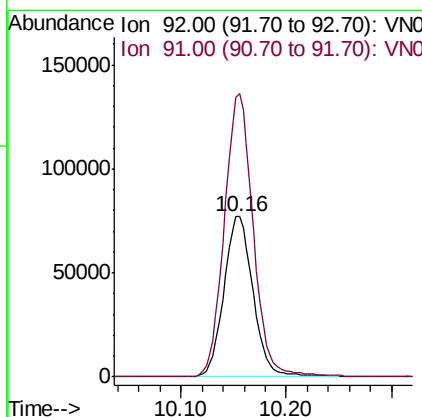
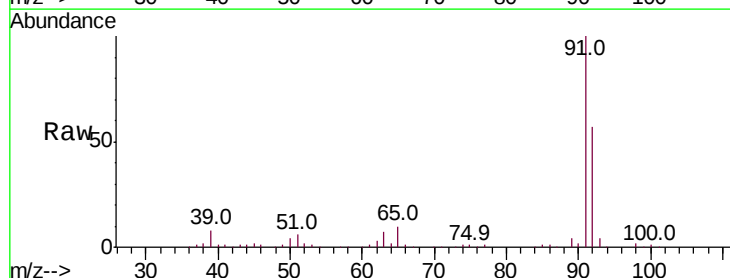
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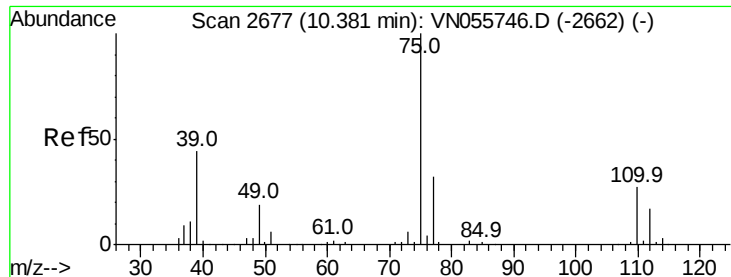
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#52
Toluene
Concen: 19.574 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion: 92 Resp: 147669
Ion Ratio Lower Upper
92 100
91 175.0 139.4 209.2





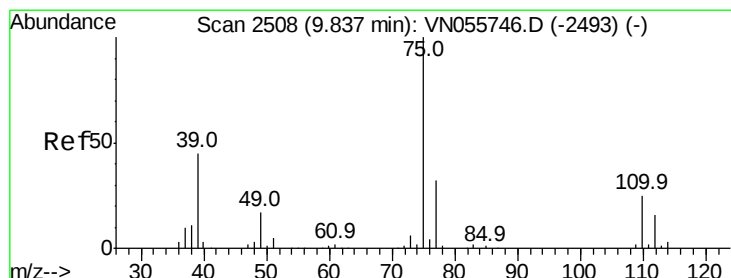
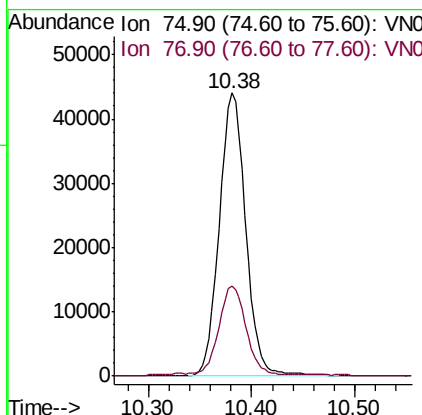
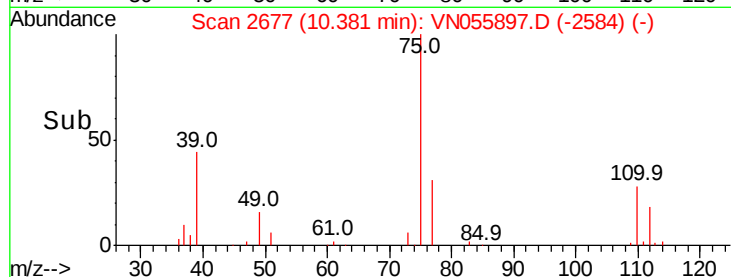
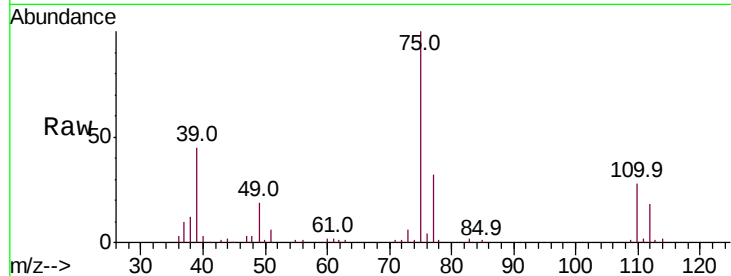
#53
t-1,3-Dichloropropene
Concen: 17.537 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0530WBSD01

Tot Ion: 75 Resp: 78674
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.6

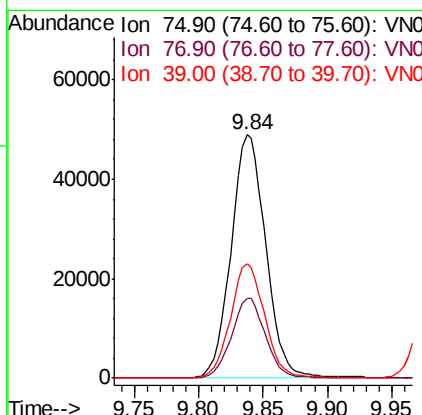
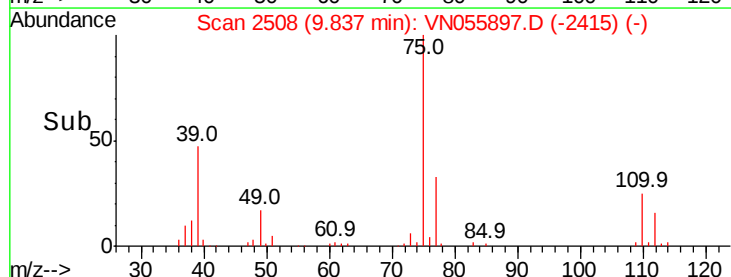
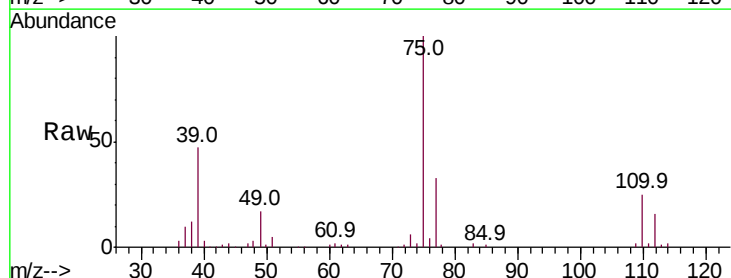
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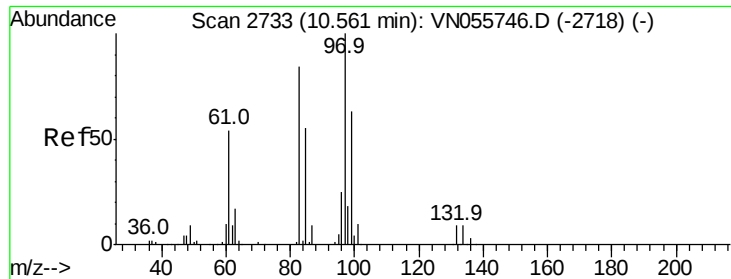
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#54
cis-1,3-Dichloropropene
Concen: 18.379 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion: 75 Resp: 91337
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.0
39 46.8 36.3 54.5





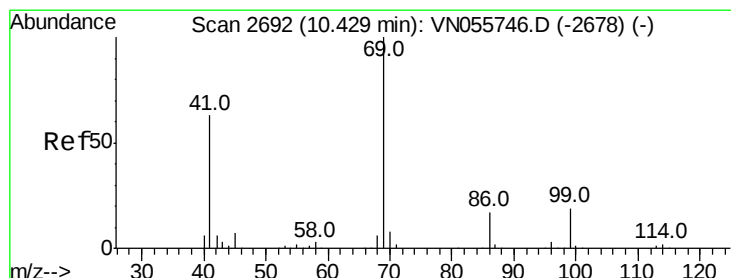
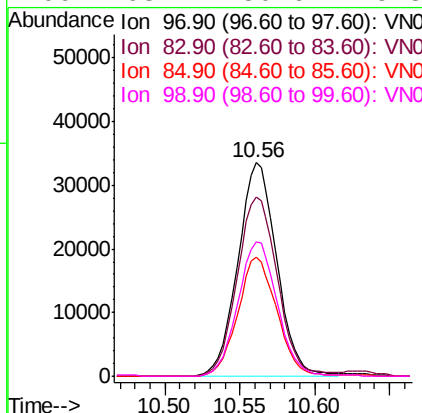
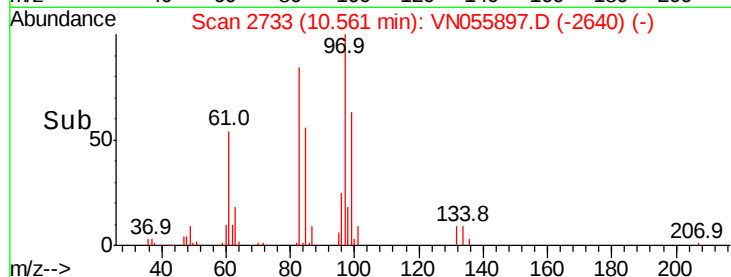
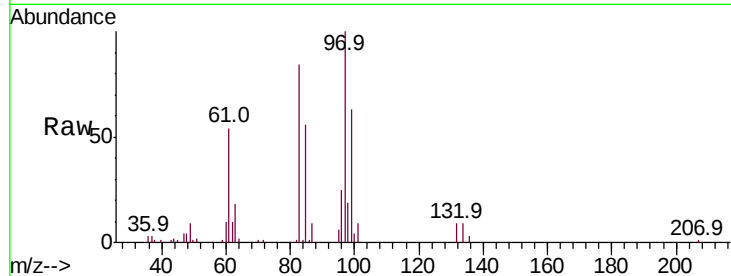
#55
 1,1,2-Trichloroethane
 Concen: 20.079 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Tot Ion:	97	Resp:	60683
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.0	100.6
85	56.0	44.0	66.0
99	63.1	50.6	75.8

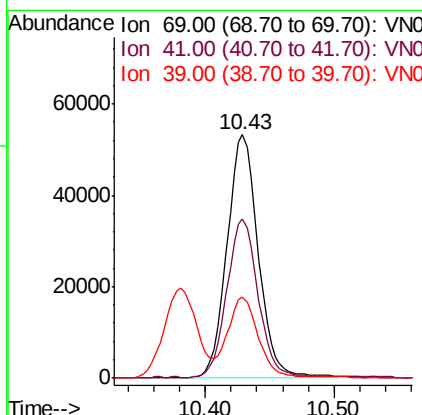
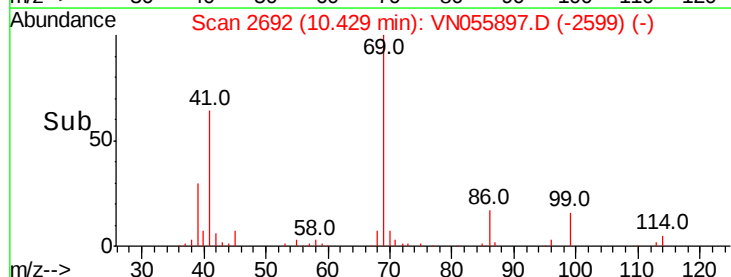
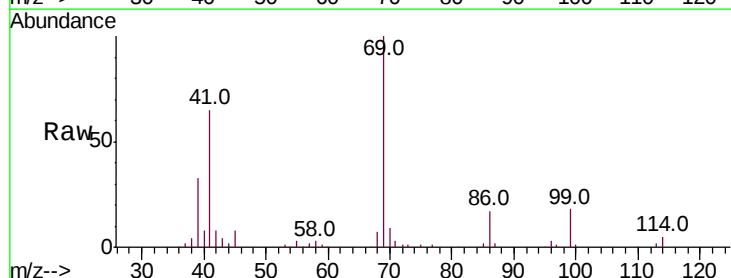
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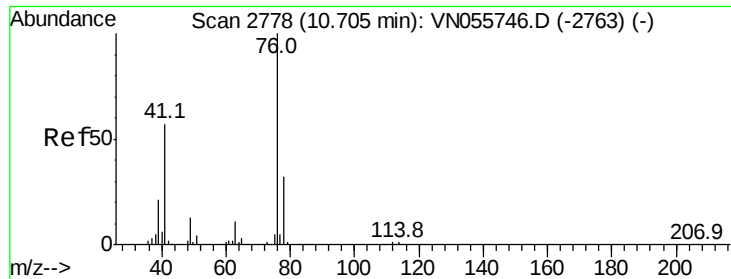
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#56
 Ethyl methacrylate
 Concen: 19.201 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion:	69	Resp:	89687
Ion	Ratio	Lower	Upper
69	100		
41	64.7	49.7	74.5
39	32.2	24.7	37.1





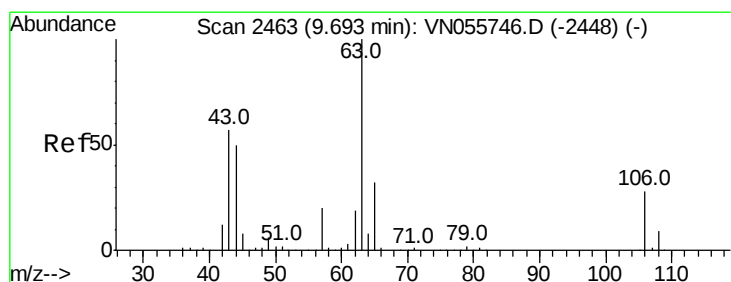
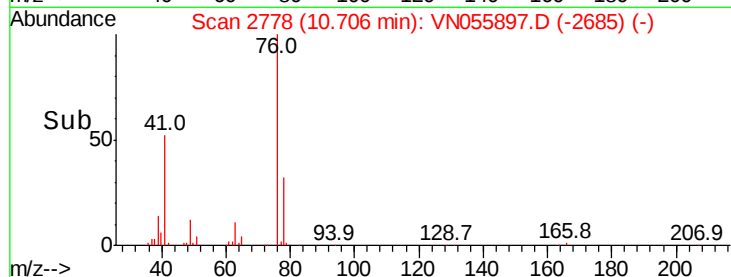
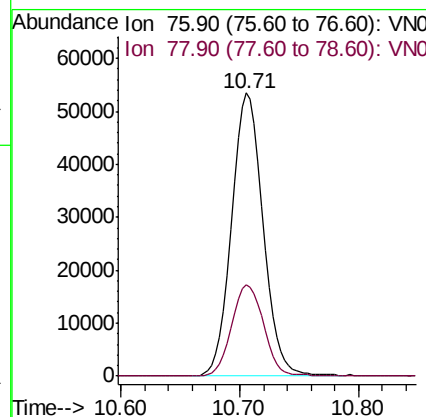
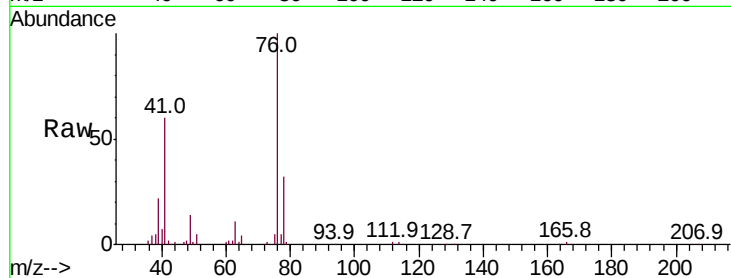
#57
 1,3-Dichloropropane
 Concen: 19.995 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Tot Ion: 76 Resp: 98227
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6

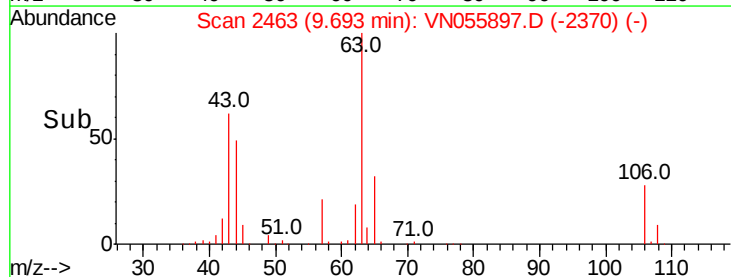
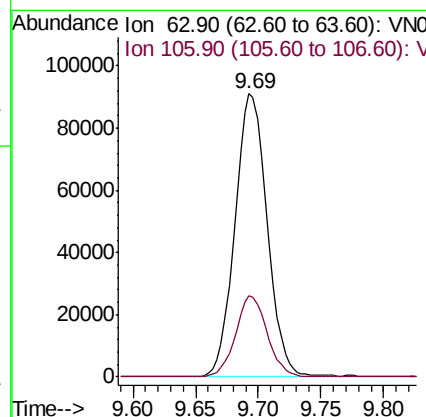
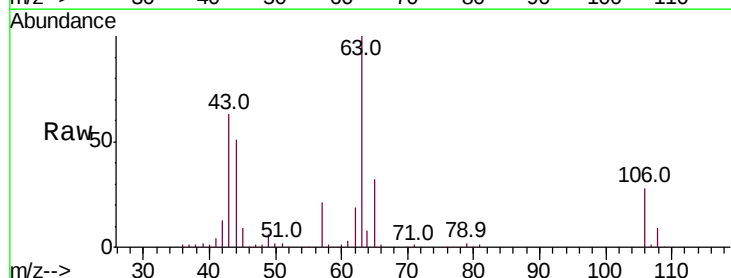
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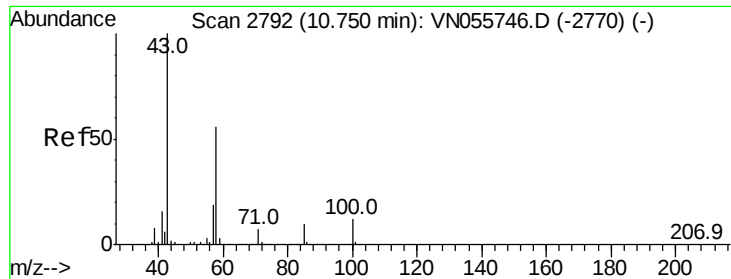
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#58
 2-Chloroethyl Vinyl ether
 Concen: 91.297 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion: 63 Resp: 162965
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.7 34.1





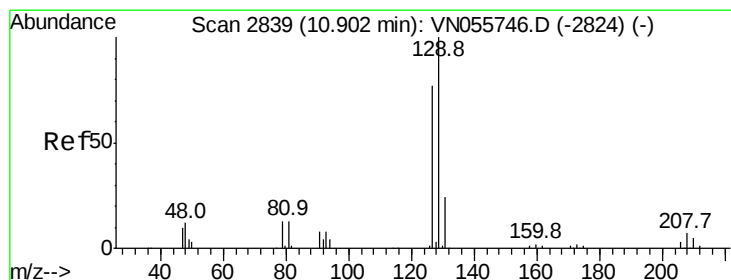
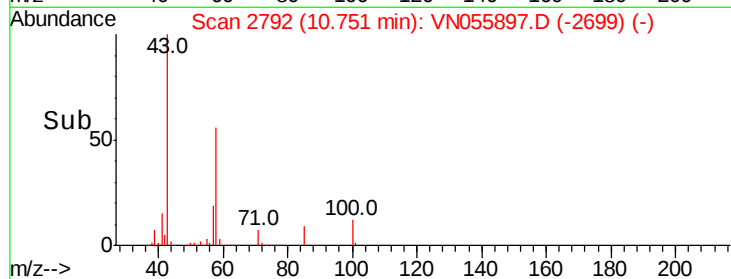
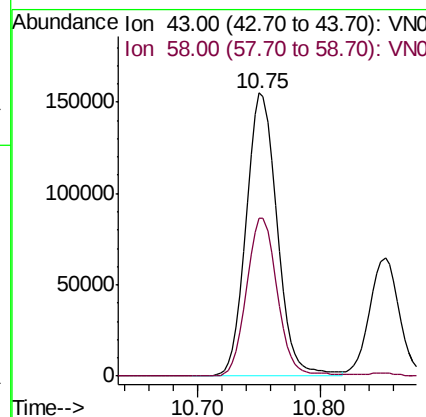
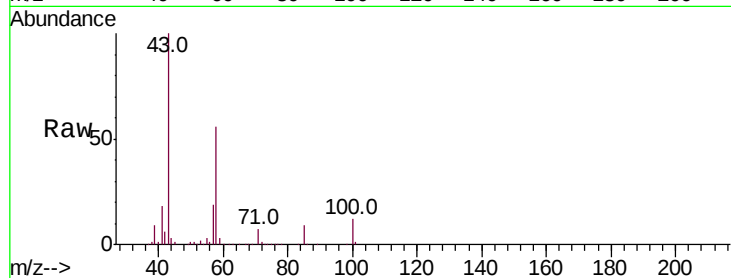
#59
2-Hexanone
Concen: 99.501 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion: 43 Resp: 269445
Ion Ratio Lower Upper
43 100
58 55.7 28.2 84.7

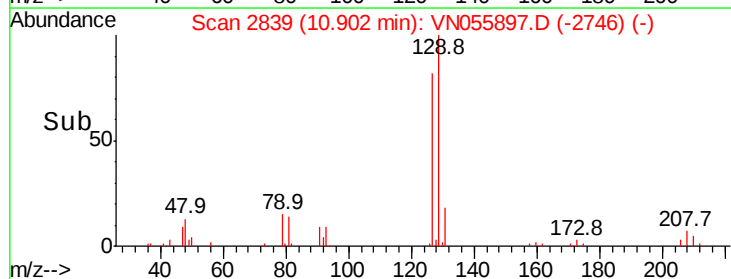
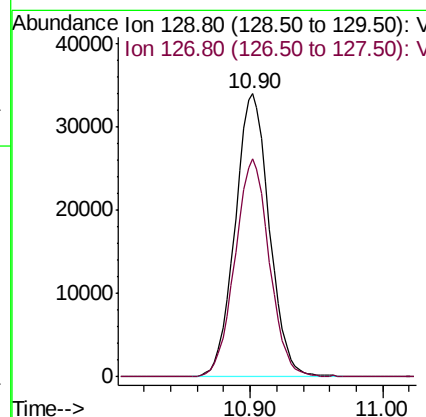
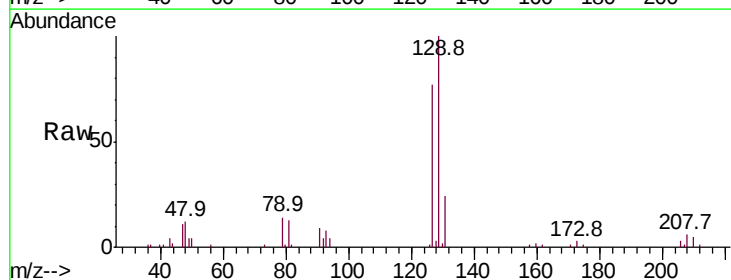
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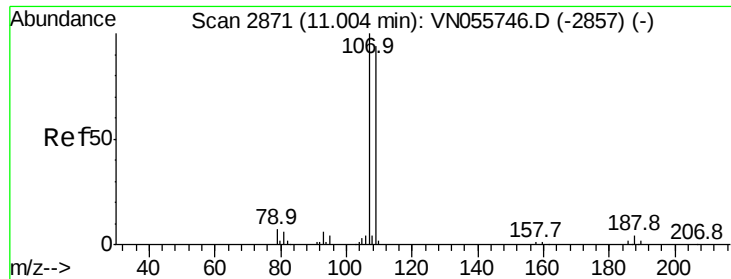
MMDadoda
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#60
Dibromochloromethane
Concen: 17.298 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion: 129 Resp: 60901
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





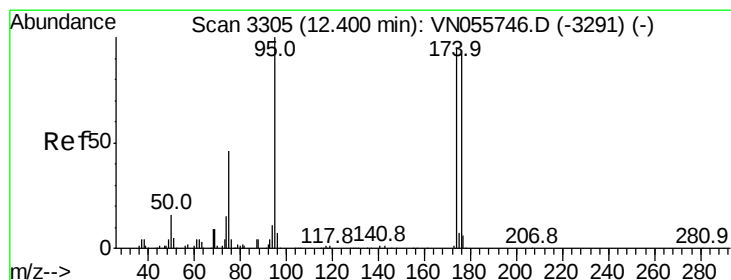
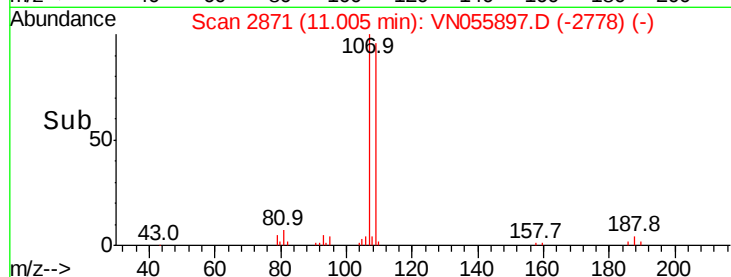
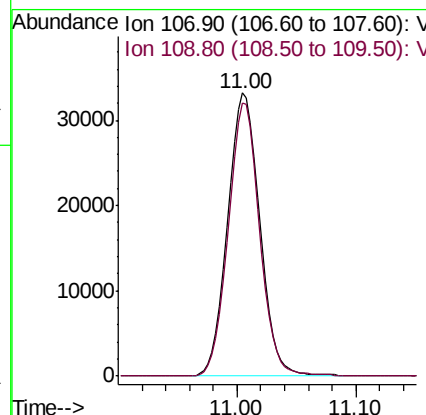
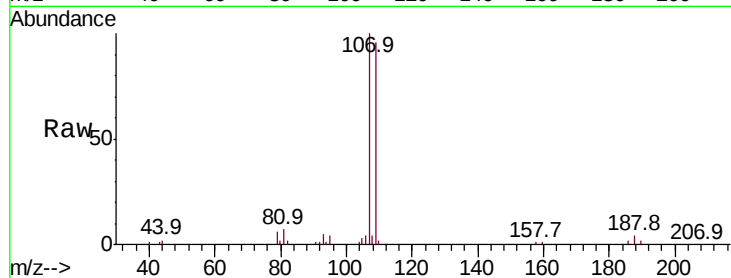
#61
 1,2-Dibromoethane
 Concen: 19.801 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.8	112.2

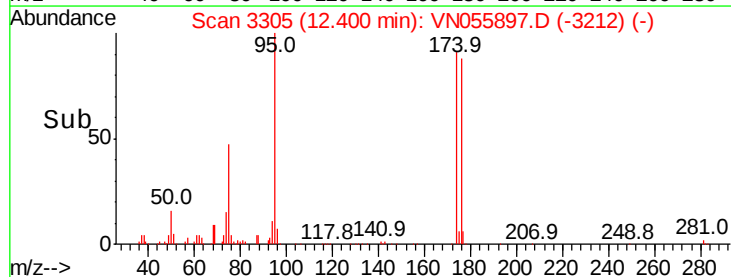
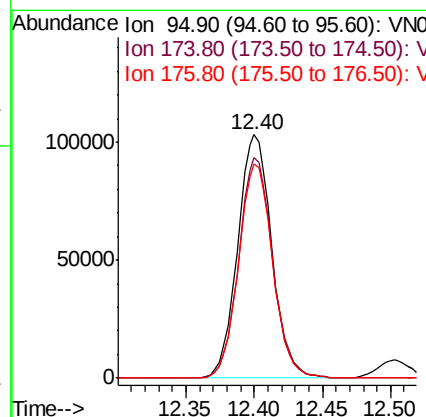
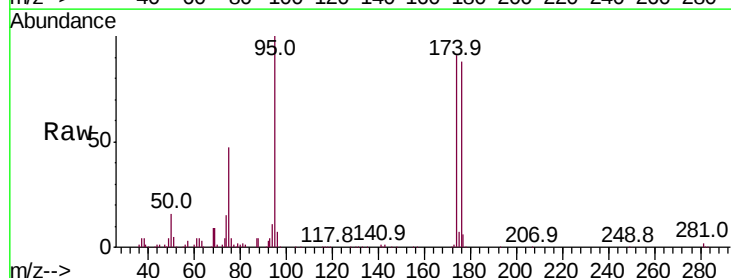
Manual Integrations
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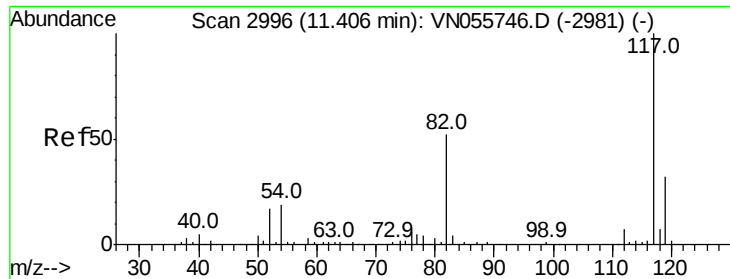
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.062 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	191.0
176	88.0	0.0	185.2





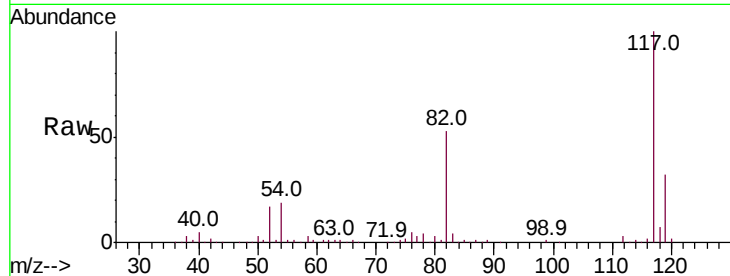
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	31.6	25.4	38.0

Manual Integrations
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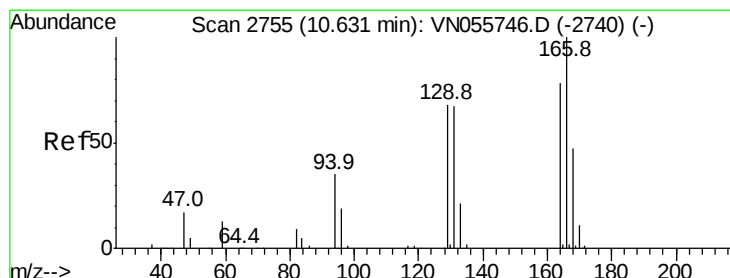
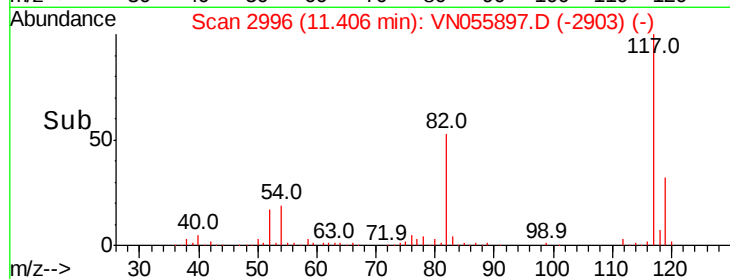
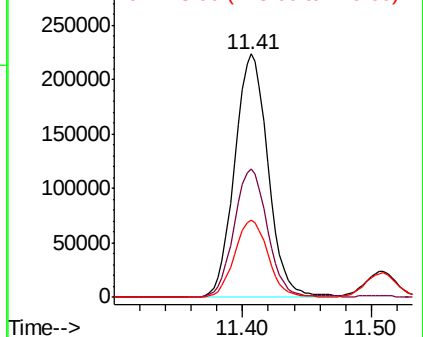


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.079 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.0	154.6
129	88.4	70.6	105.8
131	87.6	68.6	102.8

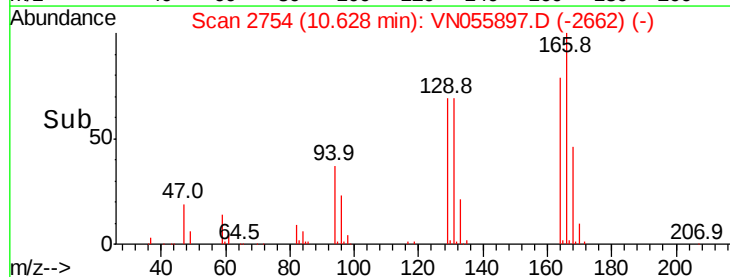
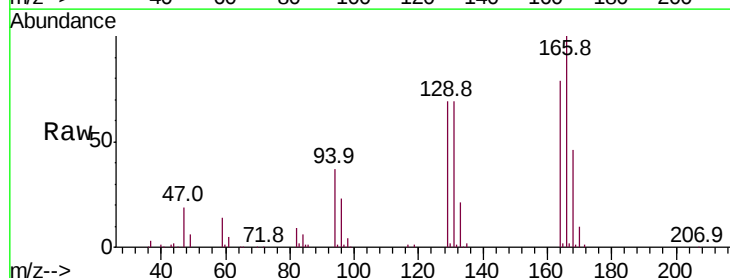
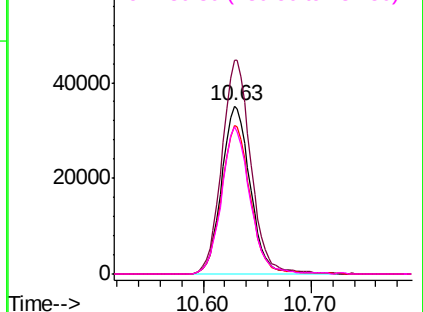
Abundance

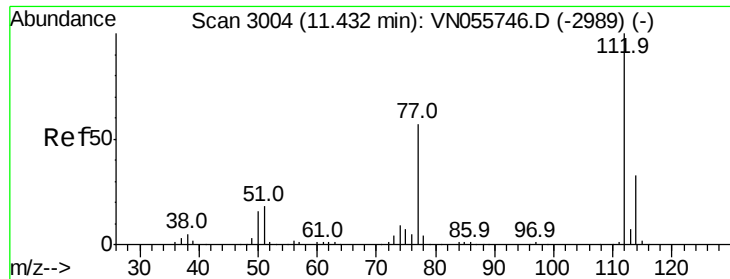
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





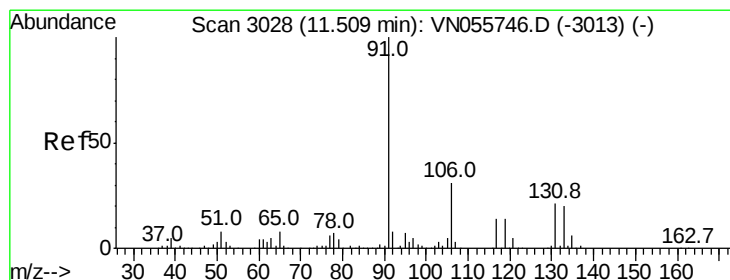
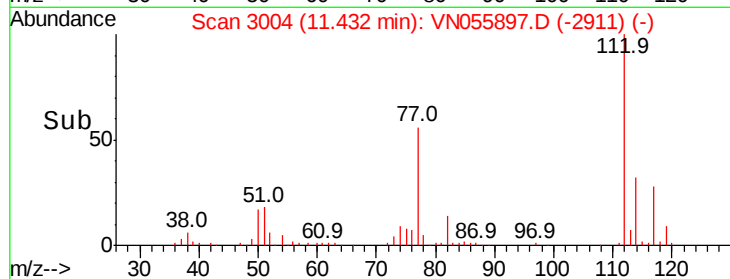
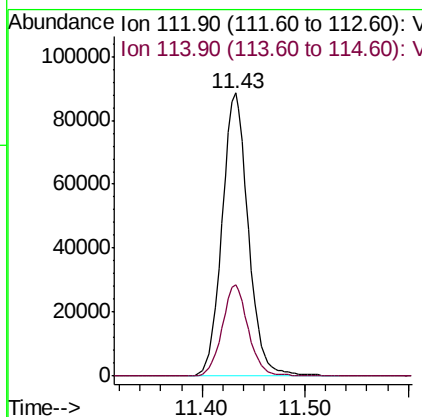
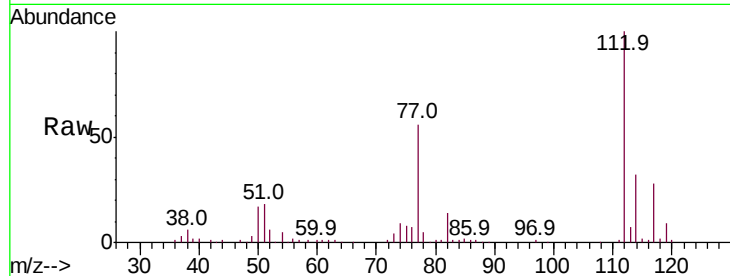
#65
Chlorobenzene
Concen: 19.417 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion:112 Resp: 156824
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4

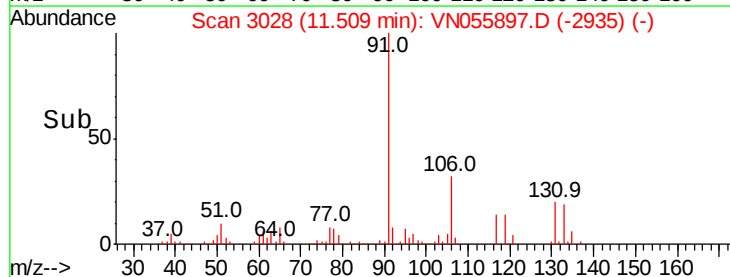
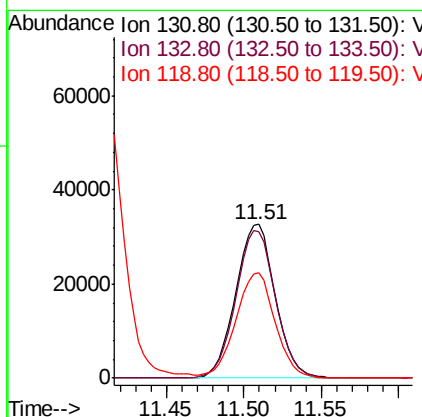
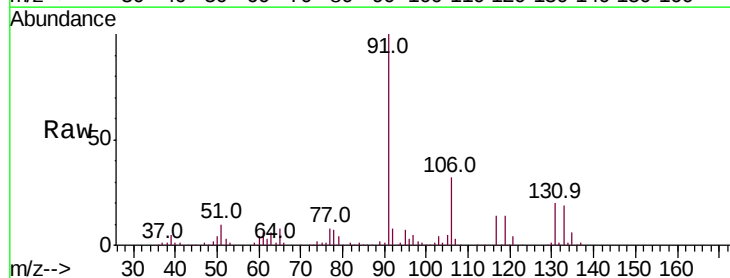
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.991 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion:131 Resp: 57953
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 68.4 33.1 99.5





#67

Ethyl Benzene

Concen: 19.220 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion: 91 Resp: 278382

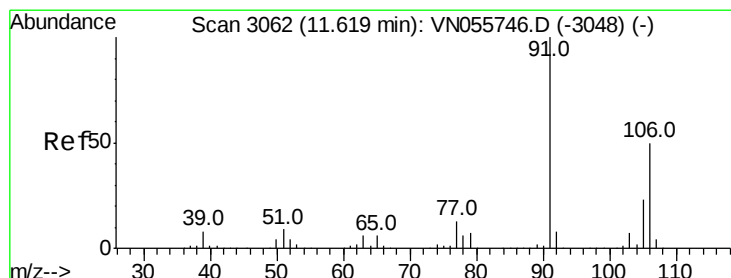
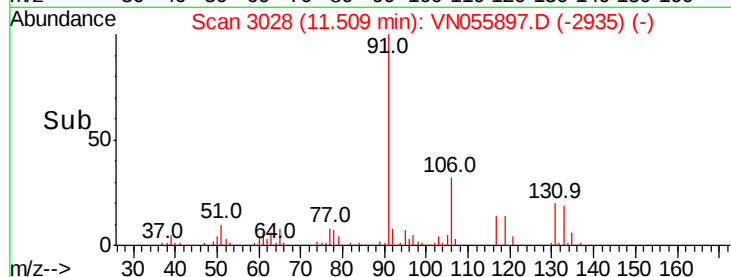
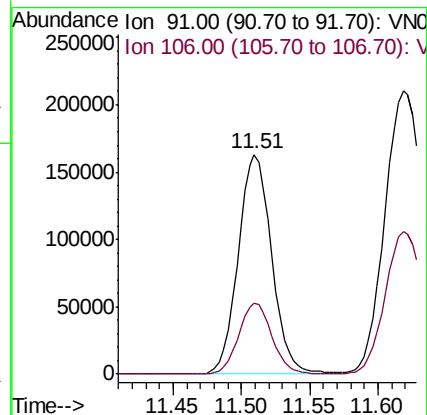
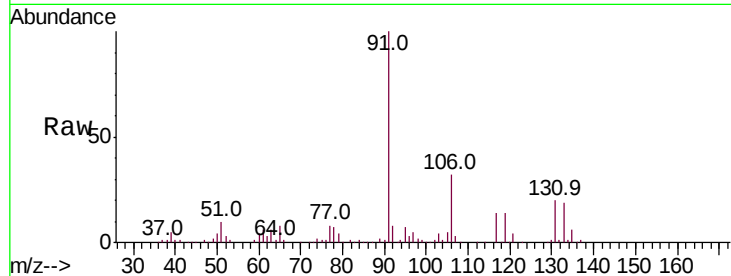
Ion Ratio Lower Upper

91 100

106 32.4 25.1 37.7

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 38.451 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055897.D

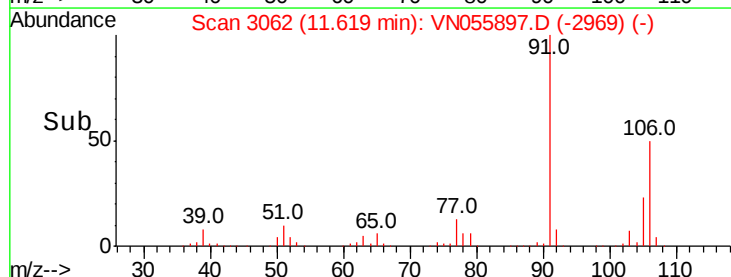
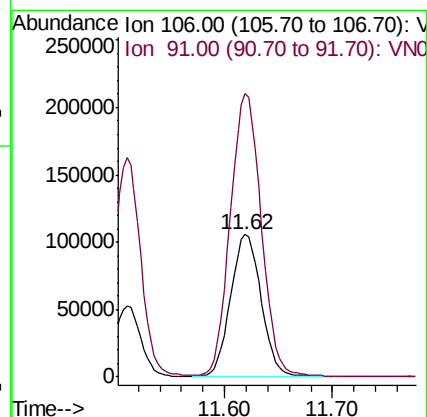
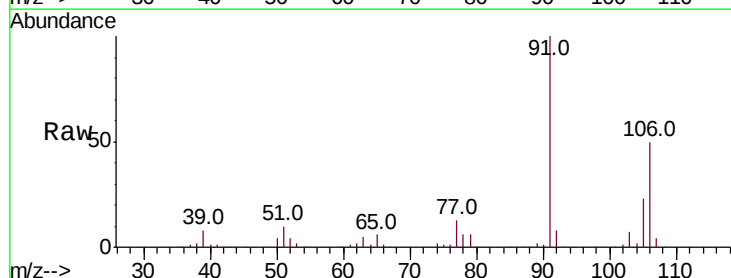
Acq: 30 May 2019 13:48

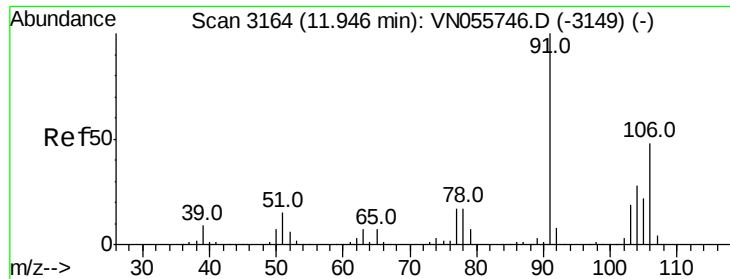
Tgt Ion: 106 Resp: 210540

Ion Ratio Lower Upper

106 100

91 200.9 159.3 238.9





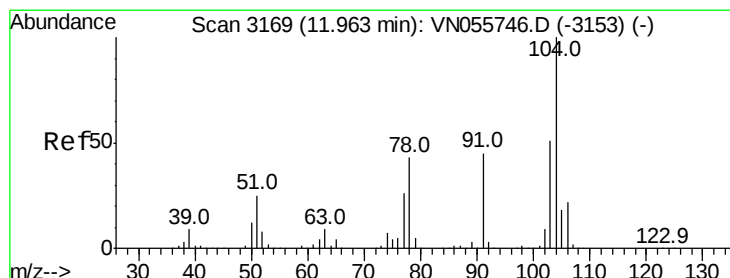
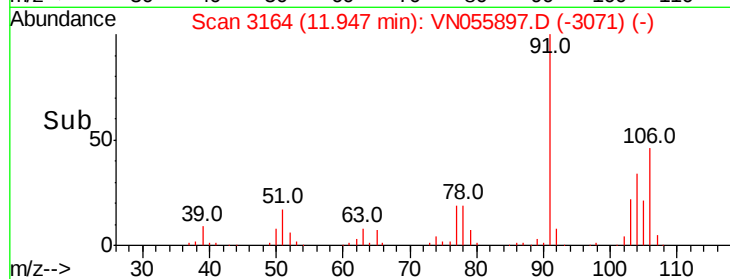
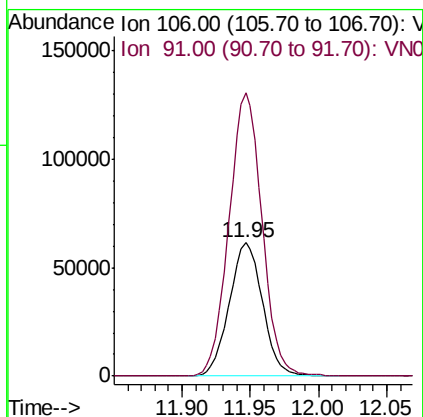
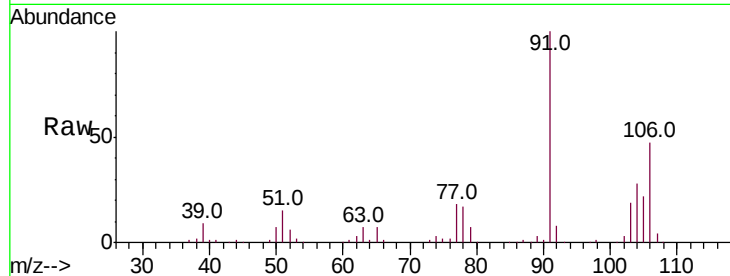
#69
o-Xylene
Concen: 19.205 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	104.7	314.1

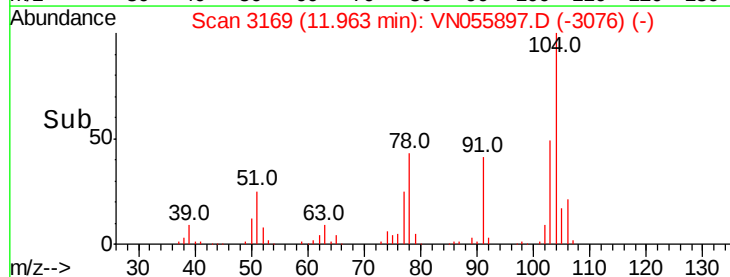
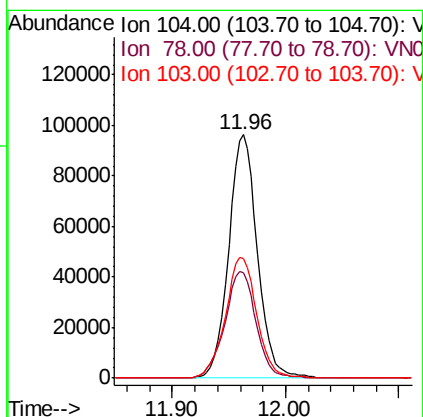
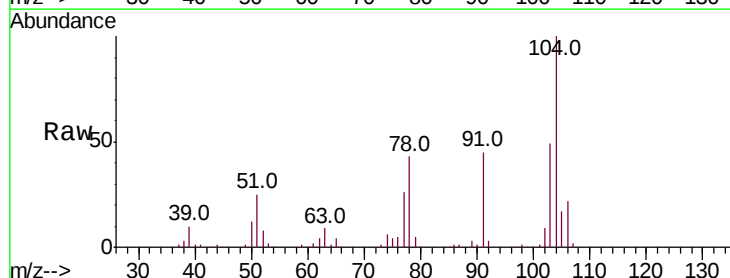
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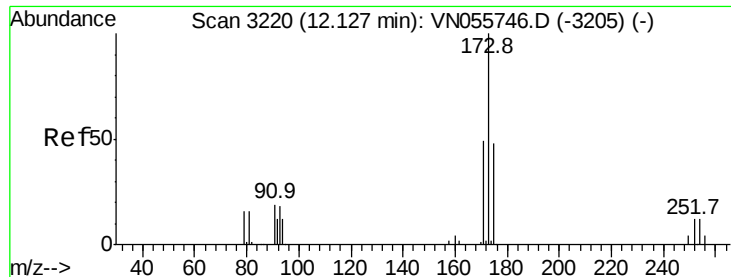
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#70
Styrene
Concen: 19.276 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.8	56.6
103	54.4	44.2	66.2





#71

Bromoform

Concen: 15.436 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion:173 Resp: 42413

Ion Ratio Lower Upper

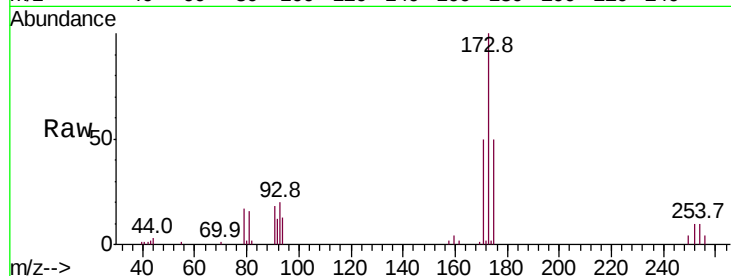
173 100

175 48.5 24.3 72.8

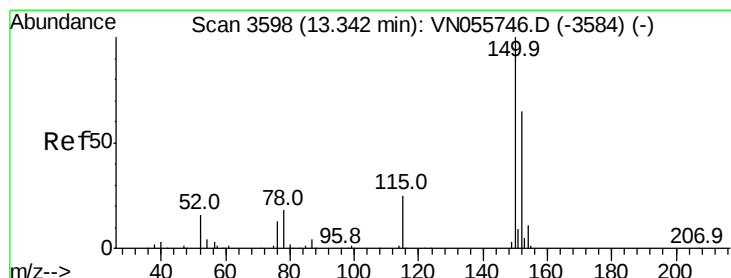
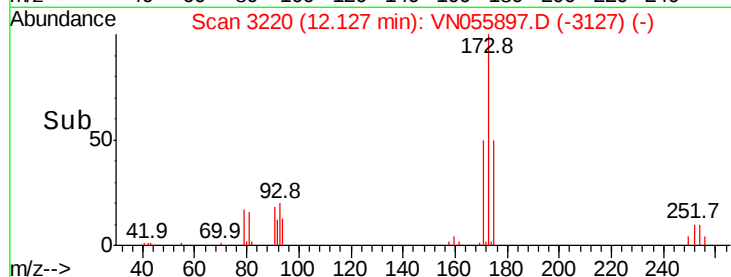
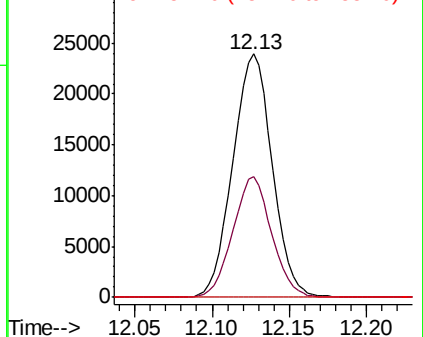
254 0.0 0.0 0.0

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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: VN055897.D

Acq: 30 May 2019 13:48

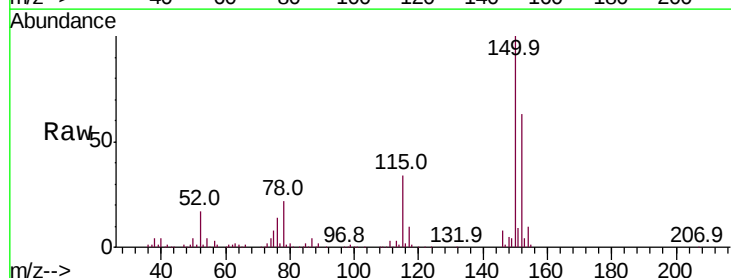
Tgt Ion:152 Resp: 161990

Ion Ratio Lower Upper

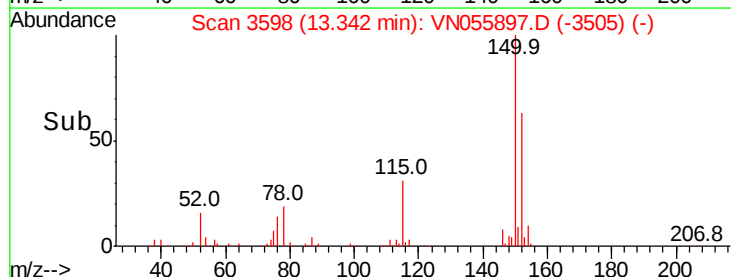
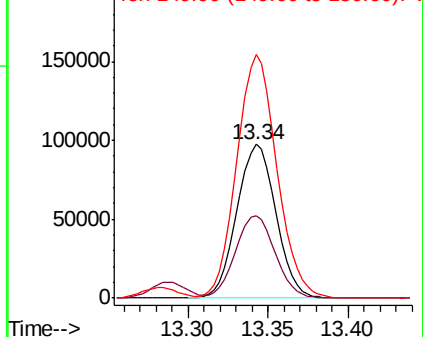
152 100

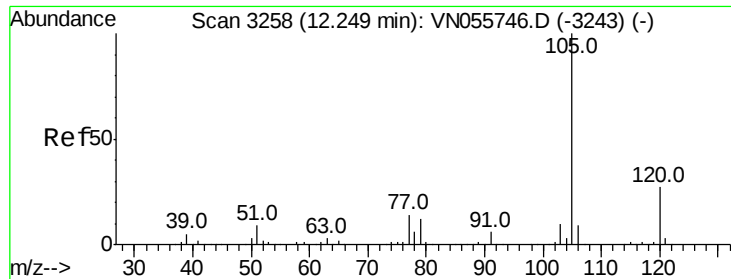
115 54.5 27.0 81.0

150 163.3 0.0 343.2



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





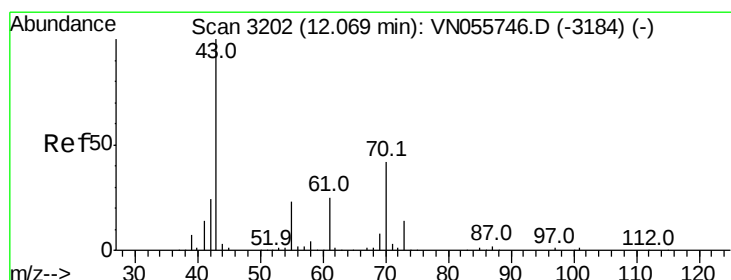
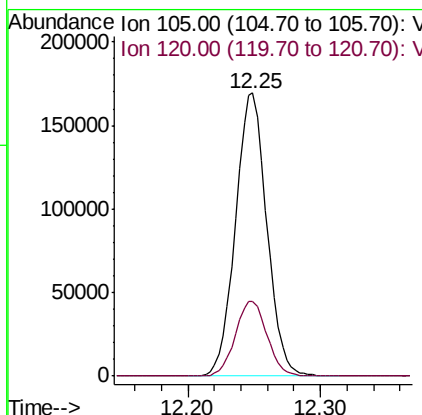
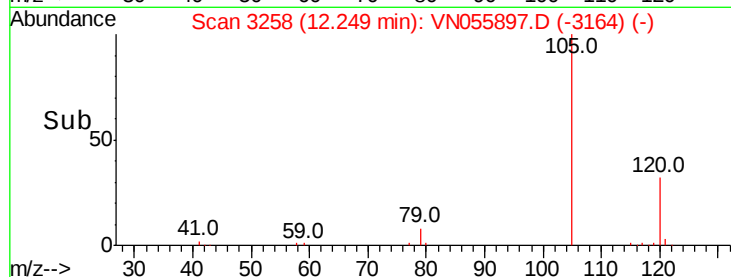
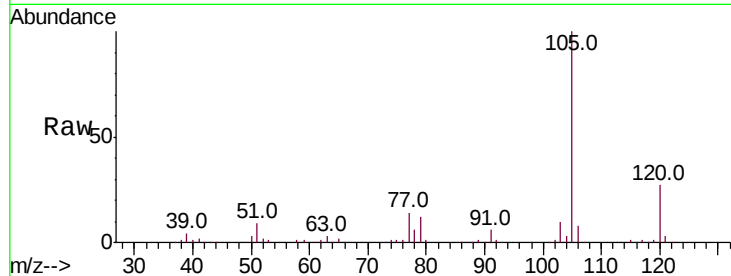
#73
Isopropylbenzene
Concen: 22.569 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion: 105 Resp: 276921
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.7

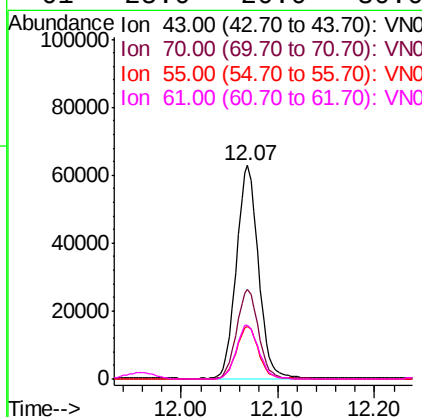
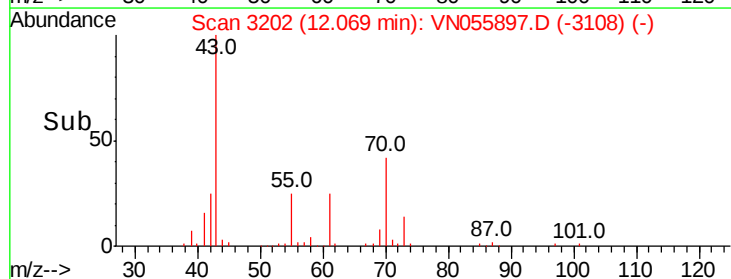
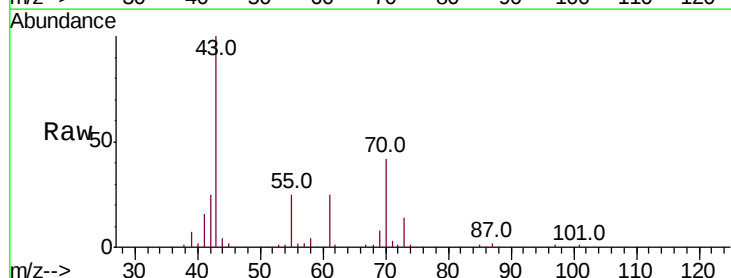
Manual Integrations
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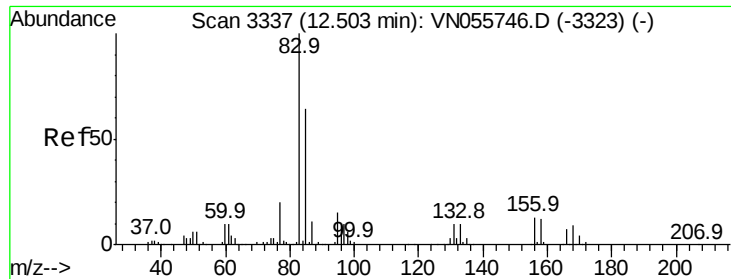
MMDadoda
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#74
N-ethyl acetate
Concen: 21.704 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion: 43 Resp: 100864
Ion Ratio Lower Upper
43 100
70 41.5 34.0 51.0
55 24.5 18.6 28.0
61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.973 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

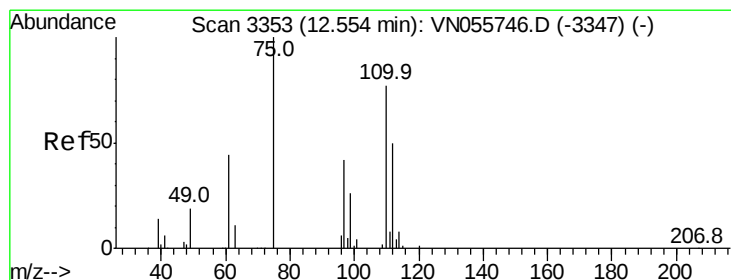
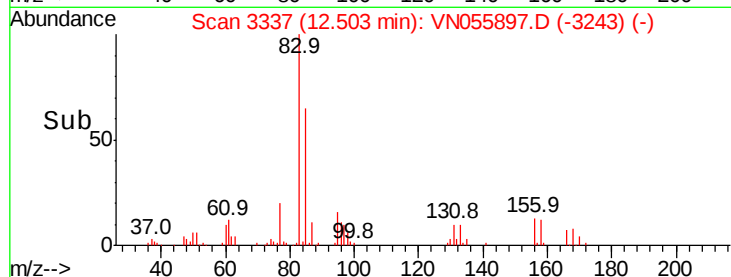
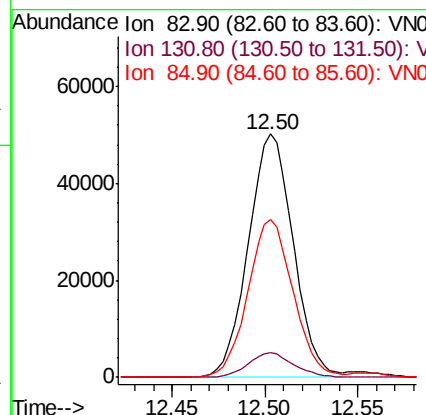
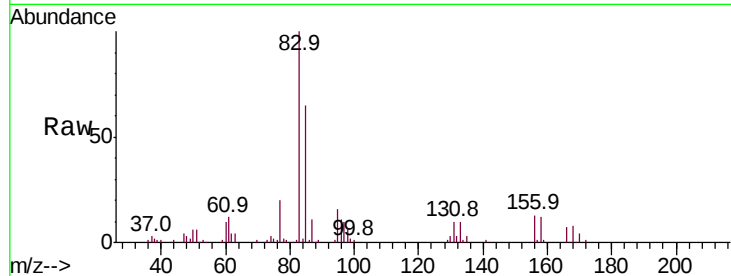
ClientSampleId :

VN0530WBSD01

Tot Ion:	83	Resp:	84510
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.4	16.2
85	65.2	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.191 ug/l m

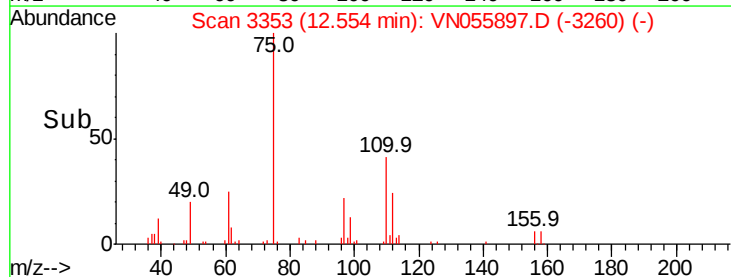
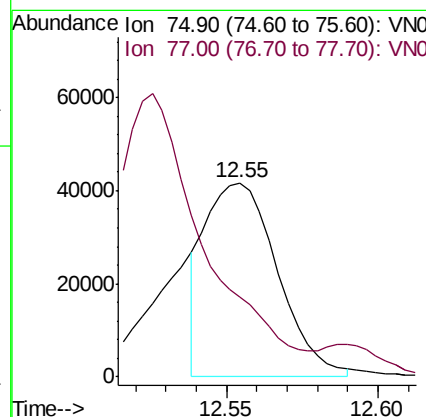
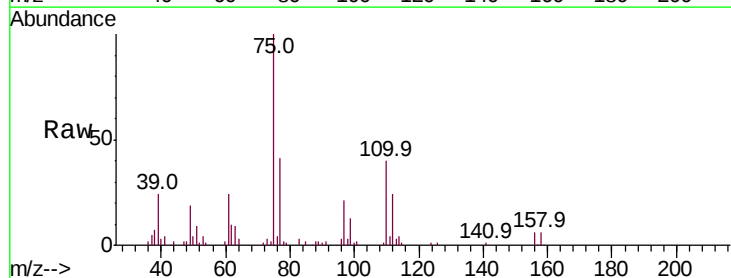
RT: 12.55 min Scan# 3353

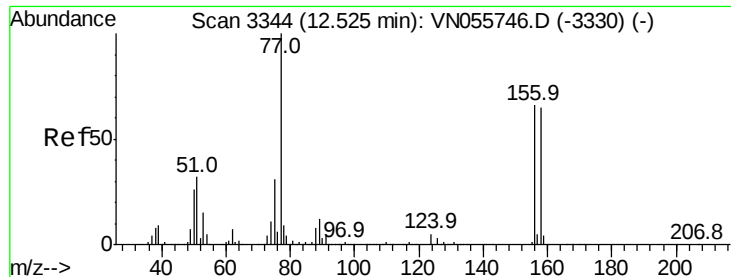
Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Tgt Ion:	75	Resp:	69397
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.844 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion:156 Resp: 72053

Ion Ratio Lower Upper

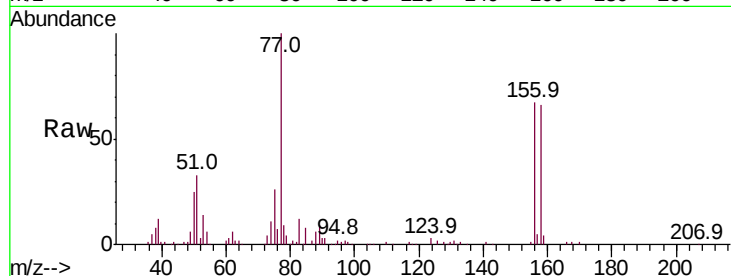
156 100

77 180.7 90.8 272.5

158 95.6 49.3 147.8

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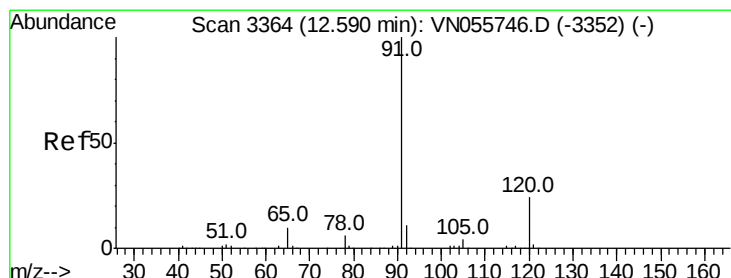
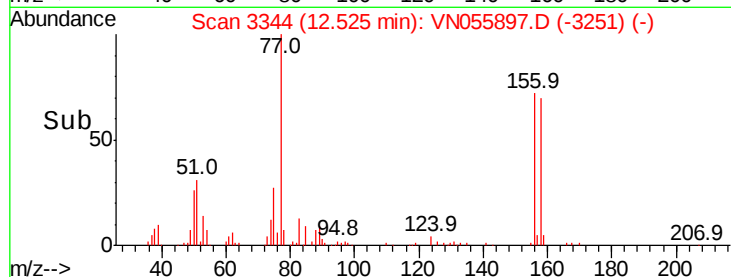
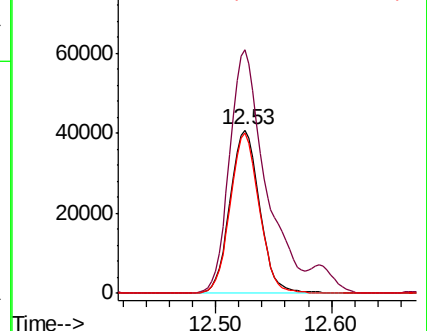
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.476 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055897.D

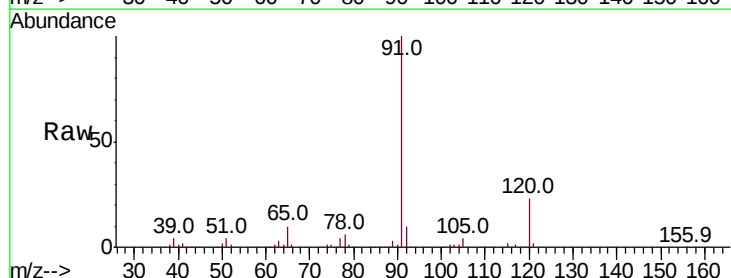
Acq: 30 May 2019 13:48

Tgt Ion: 91 Resp: 288281

Ion Ratio Lower Upper

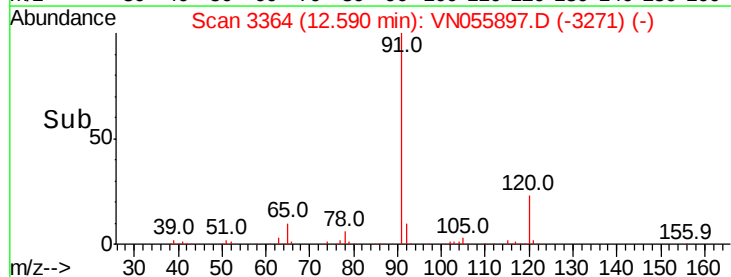
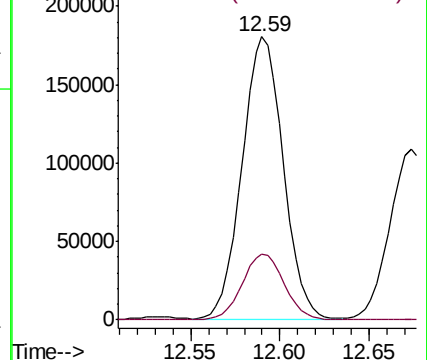
91 100

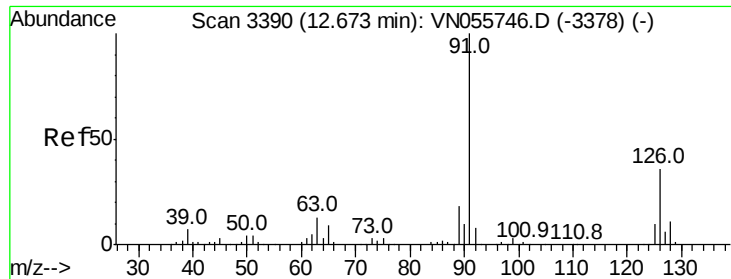
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.488 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0530WBSD01

Tot Ion: 91 Resp: 181178

Ion Ratio Lower Upper

91 100

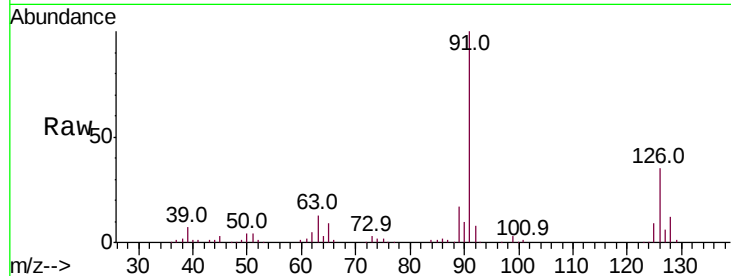
126 35.2 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055897.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055897.D (-3297) (-)

150000

100000

50000

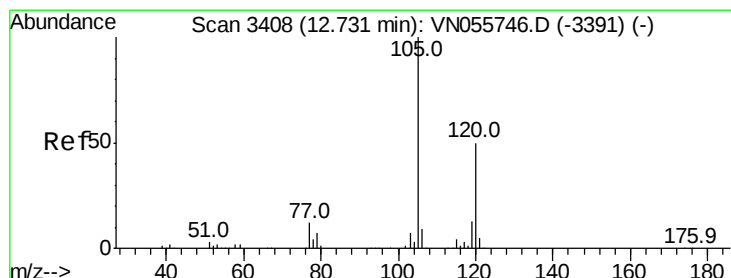
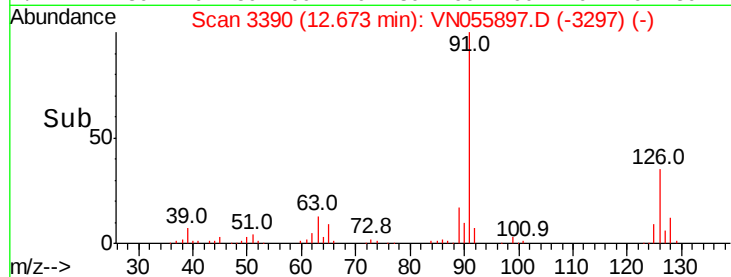
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.903 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055897.D

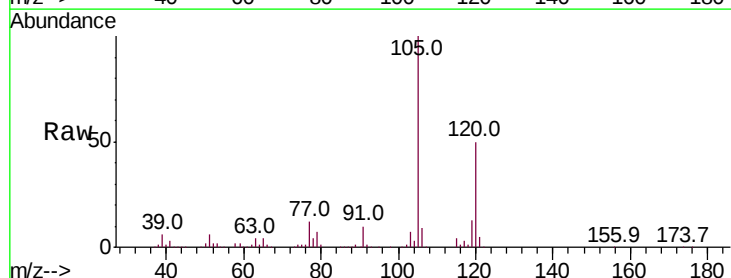
Acq: 30 May 2019 13:48

Tgt Ion:105 Resp: 226393

Ion Ratio Lower Upper

105 100

120 49.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055897.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055897.D (-3315) (-)

150000

100000

50000

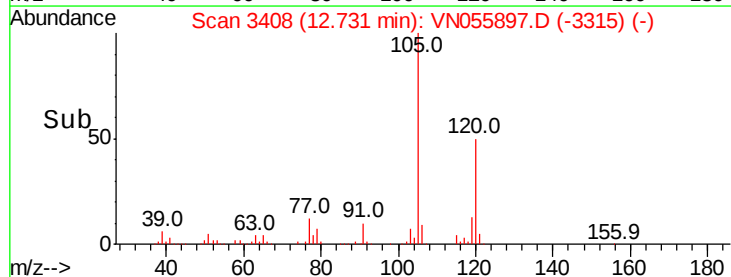
0

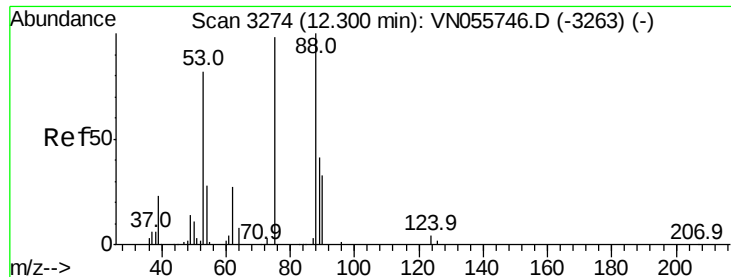
12.73

12.70

12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.935 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion: 75 Resp: 20389

Ion Ratio Lower Upper

75 100

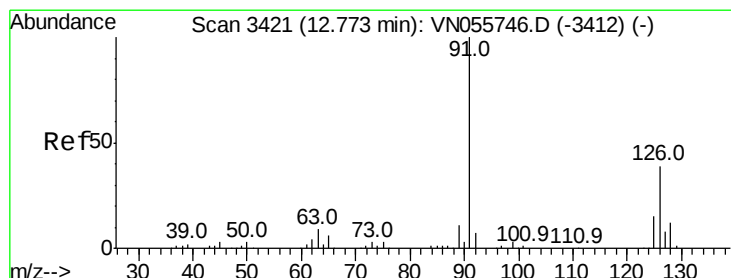
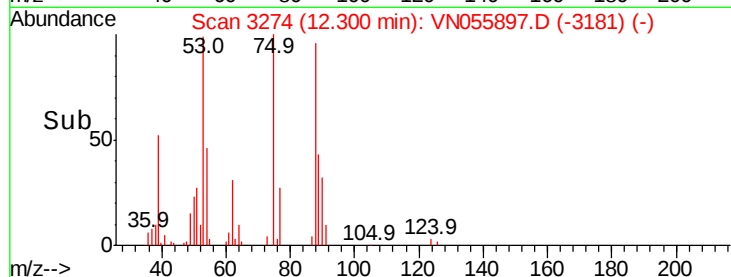
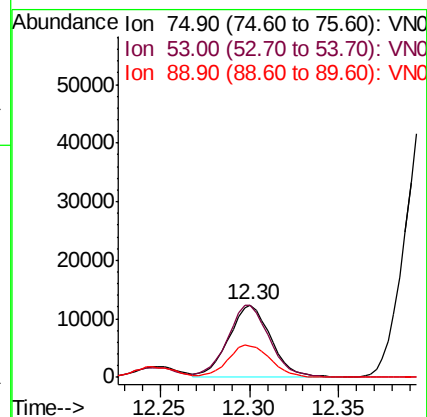
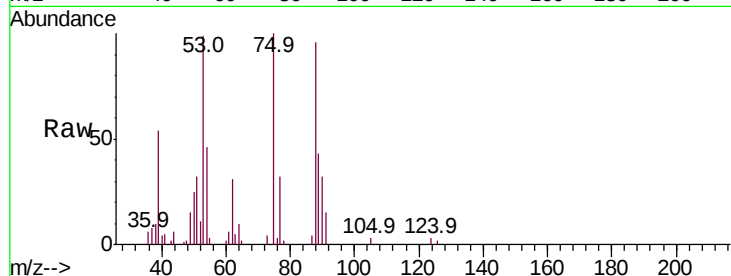
53 99.3 68.1 102.1

89 44.9 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.340 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055897.D

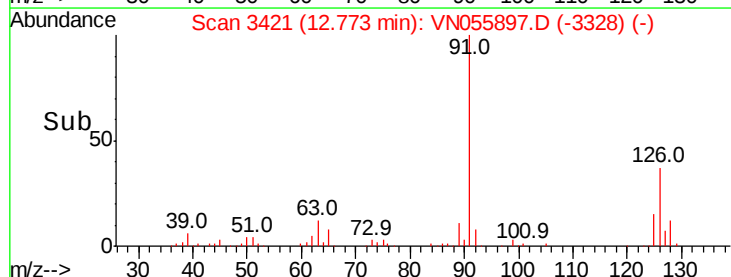
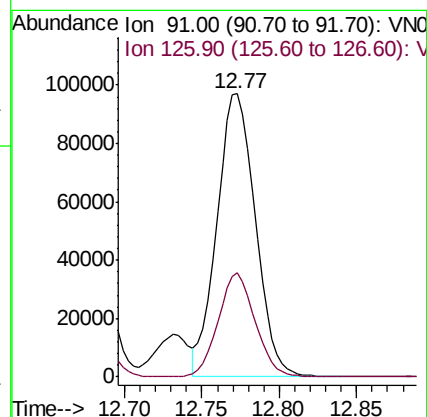
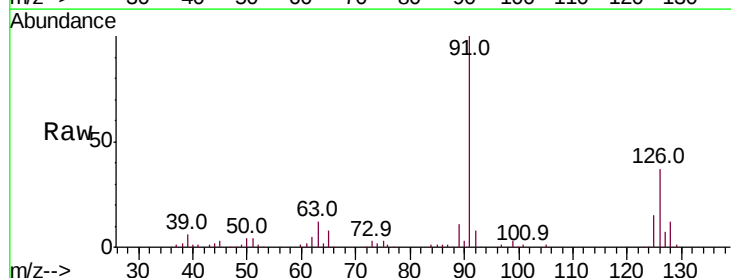
Acq: 30 May 2019 13:48

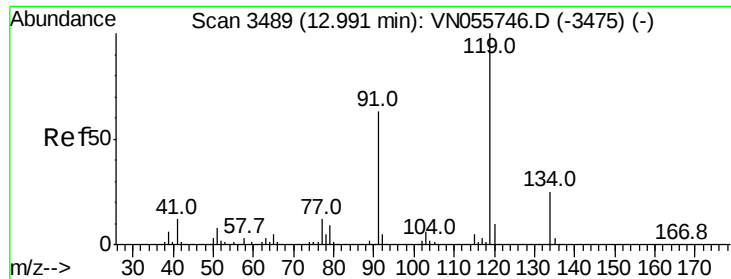
Tgt Ion: 91 Resp: 168334

Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.3





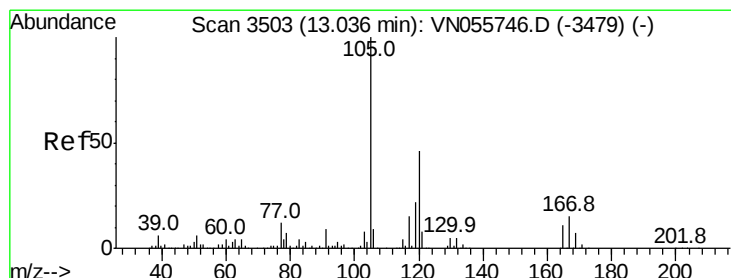
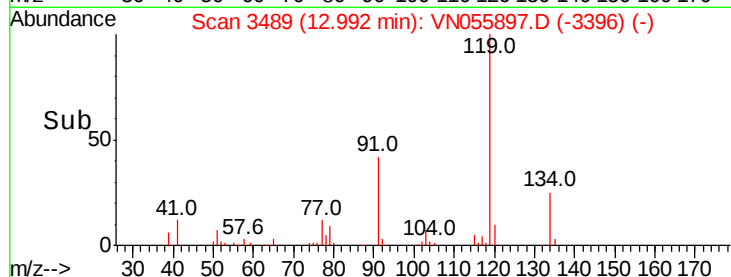
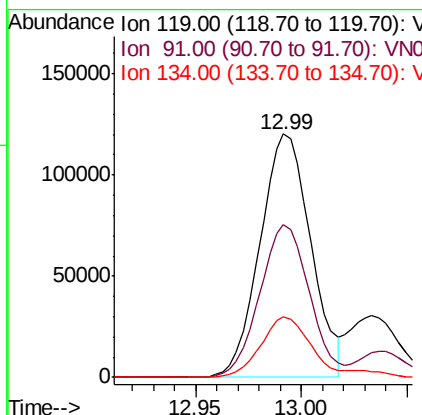
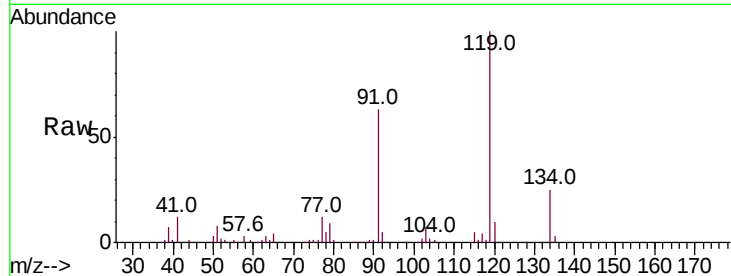
#83
tert-Butylbenzene
Concen: 22.392 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201745		
91	61.4	30.9	92.8	
134	24.5	13.3	39.8	

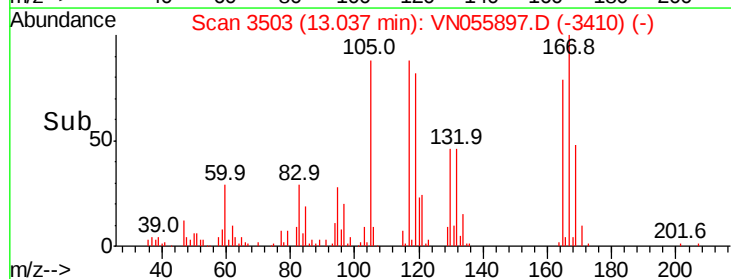
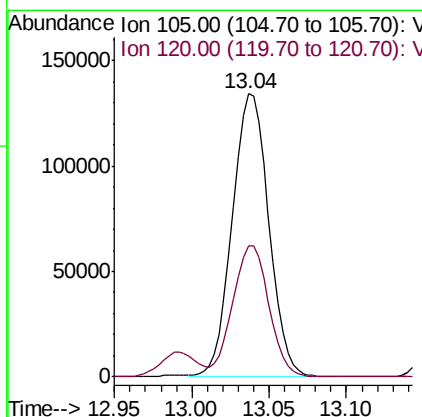
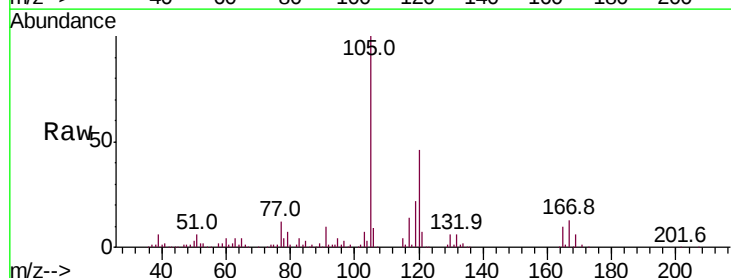
Manual Integrations
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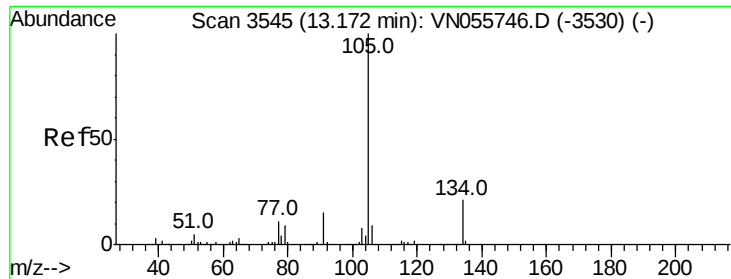
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#84
1,2,4-Trimethylbenzene
Concen: 21.308 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	219344		
120	46.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 21.920 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBSD01

Tot Ion:105 Resp: 253495

Ion Ratio Lower Upper

105 100

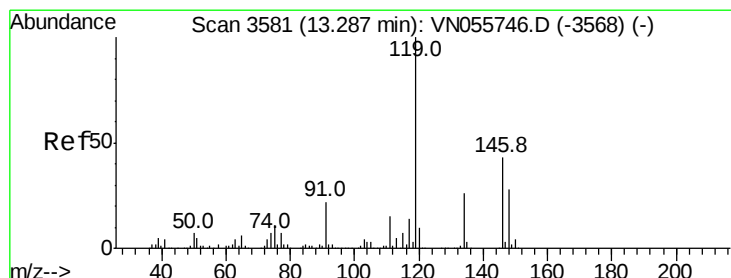
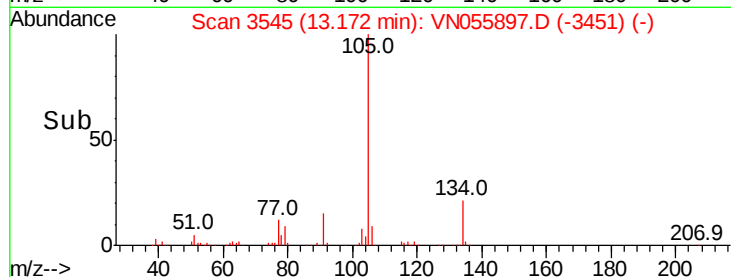
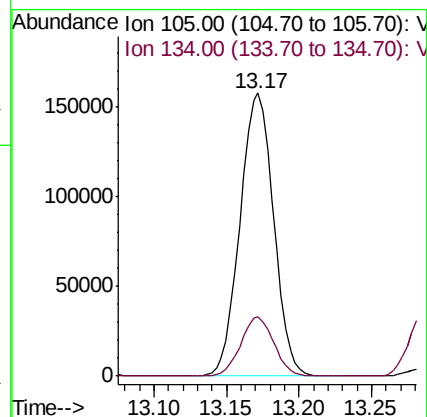
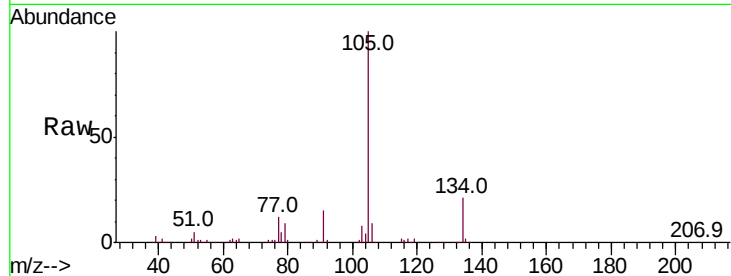
134 20.5 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.092 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

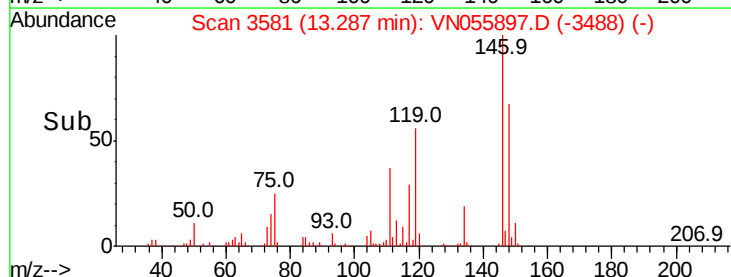
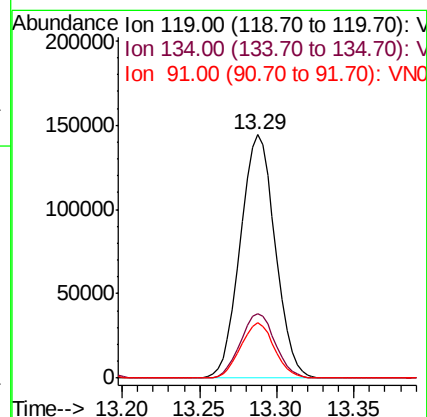
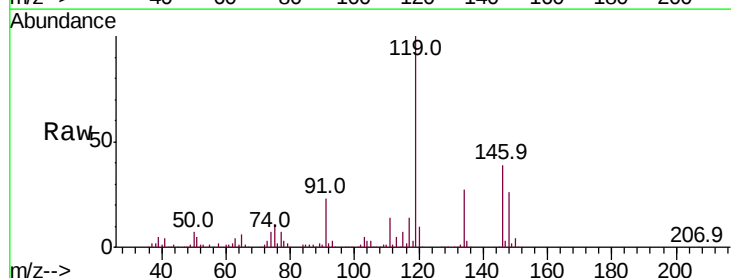
Tgt Ion:119 Resp: 226025

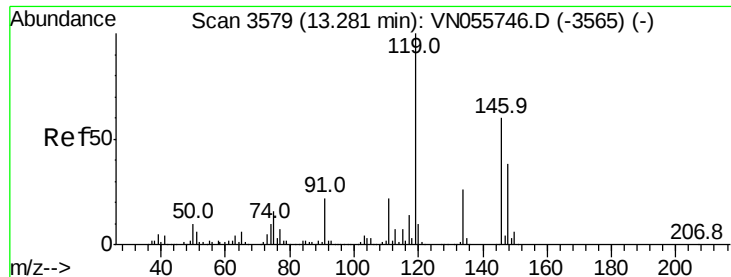
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.1 10.9 32.9





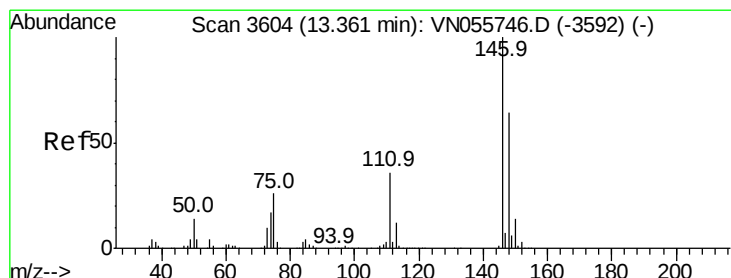
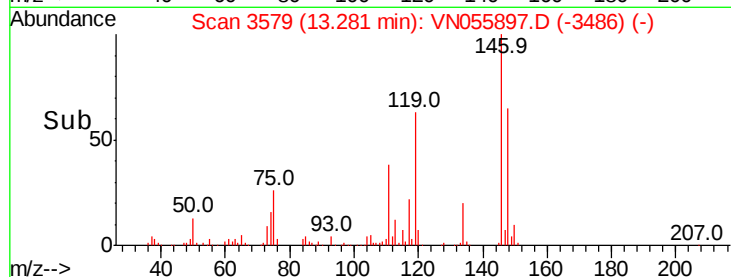
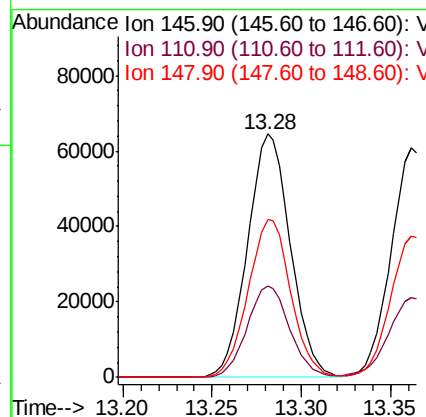
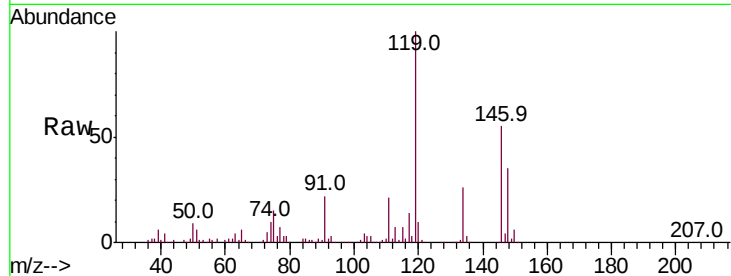
#87
 1,3-Dichlorobenzene
 Concen: 19.707 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.5	55.5
148	64.7	32.0	96.2

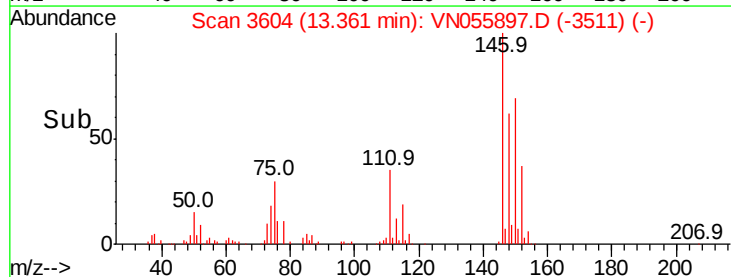
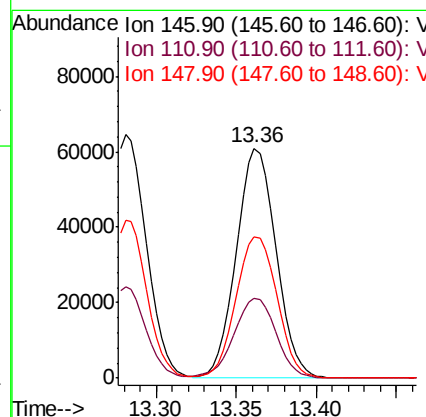
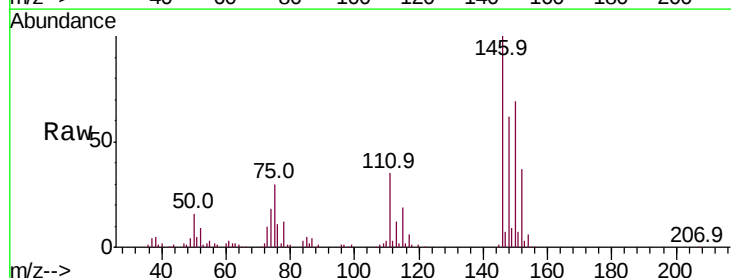
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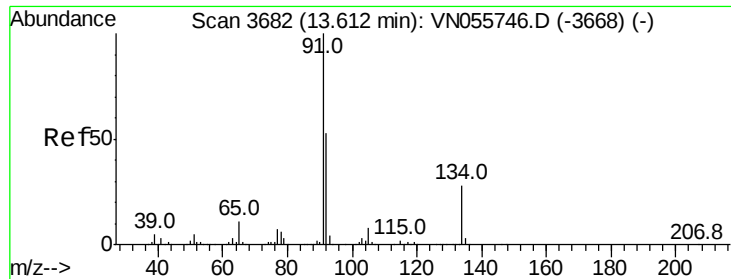
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#88
 1,4-Dichlorobenzene
 Concen: 19.803 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	63.7	32.1	96.5





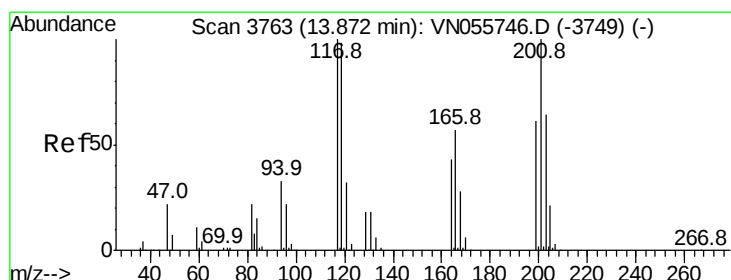
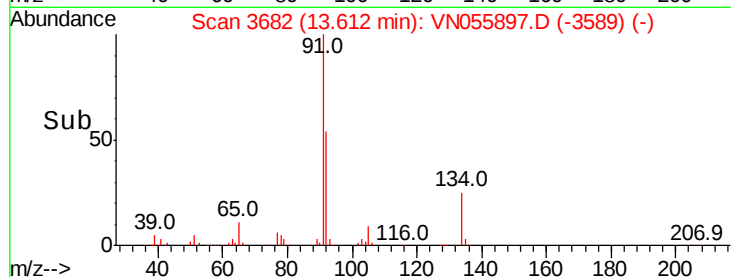
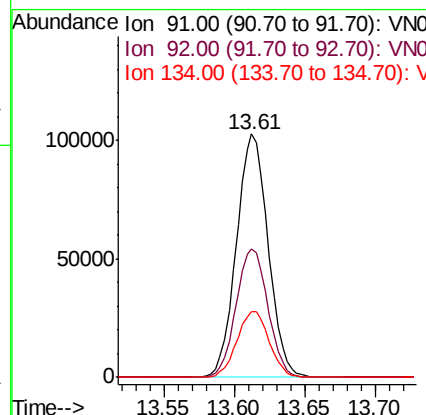
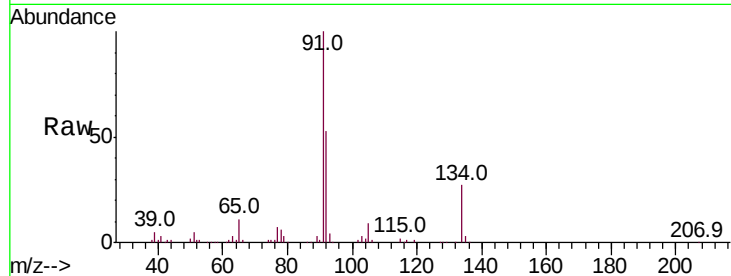
#89
n-Butylbenzene
Concen: 18.765 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161749		
92	53.0		26.4	79.0
134	27.5		13.9	41.7

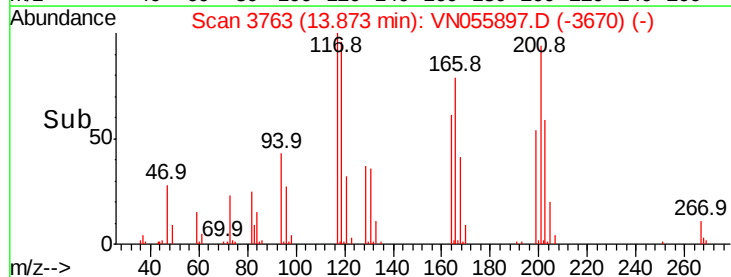
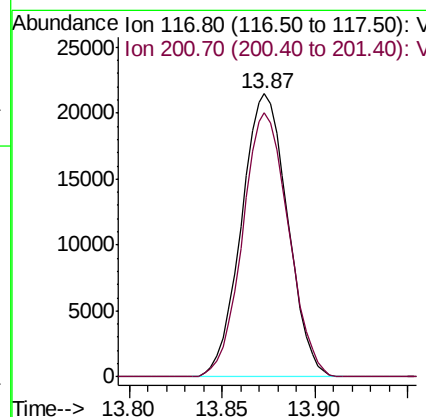
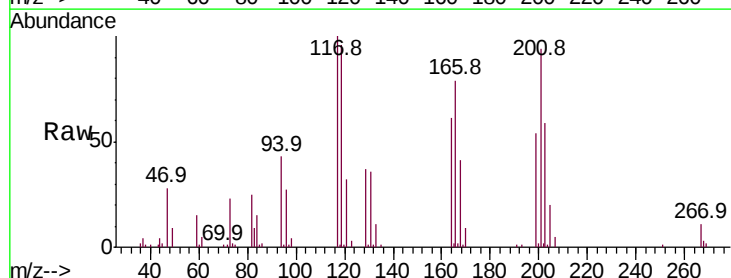
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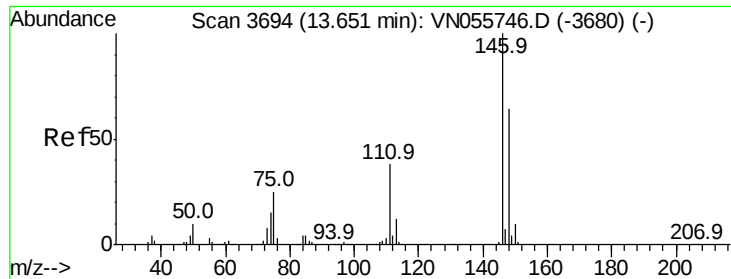
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#90
Hexachloroethane
Concen: 17.262 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055897.D
Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36962		
201	93.0		50.0	150.0





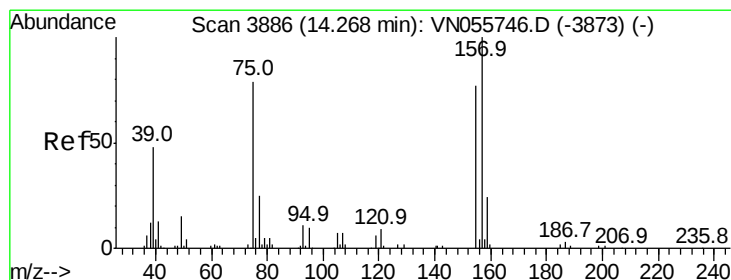
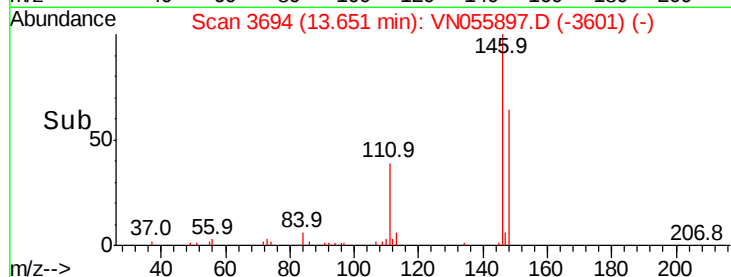
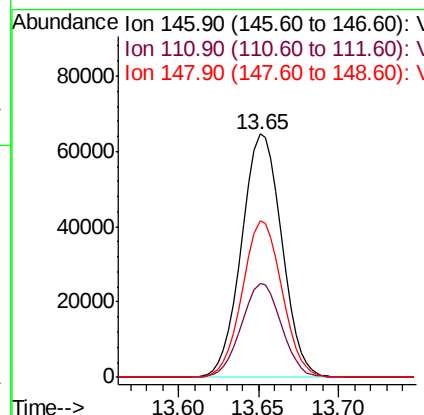
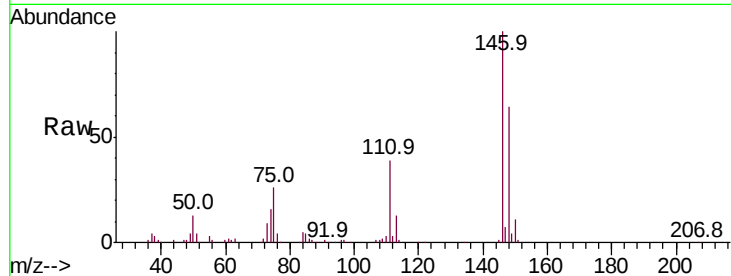
#91
 1,2-Dichlorobenzene
 Concen: 20.253 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.7	31.9	95.9

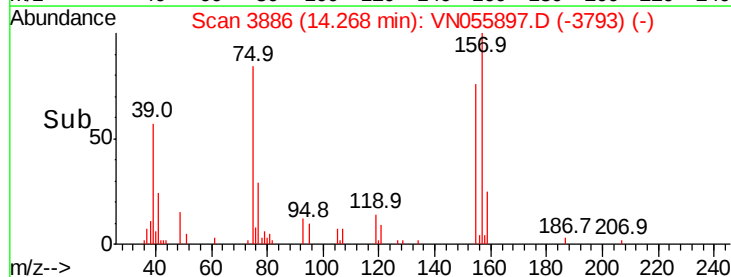
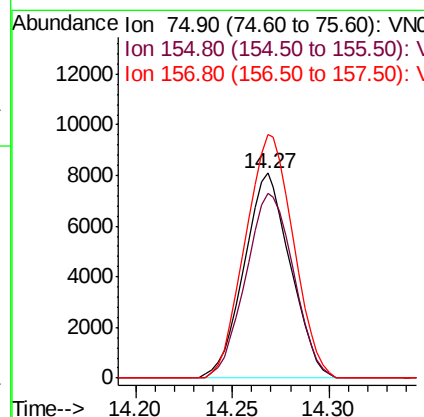
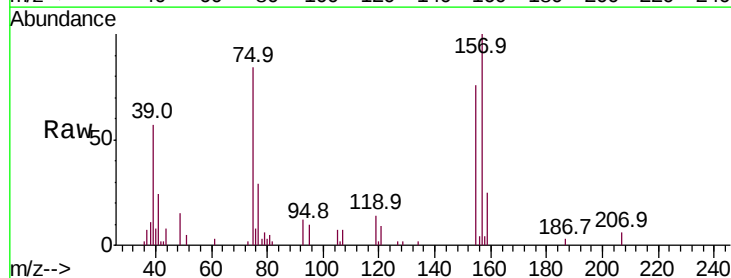
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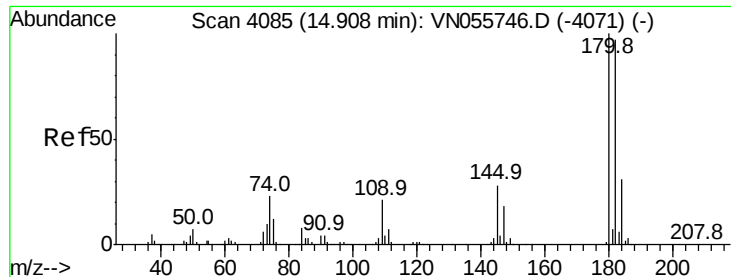
MMDadoda
 5/31/2019 9:38:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.804 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	50.0	150.1
157	123.0	64.8	194.3





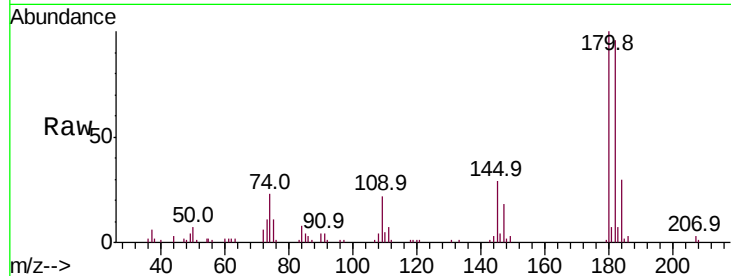
#93
 1,2,4-Trichlorobenzene
 Concen: 17.407 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	48.3	144.9	
145	28.2	14.0	41.9	

Manual Integrations
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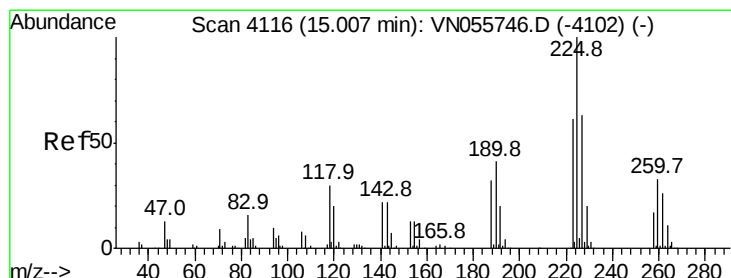
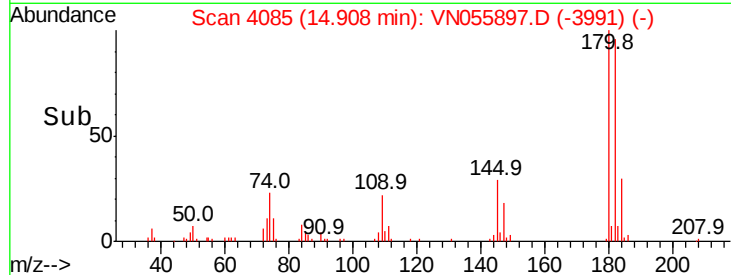
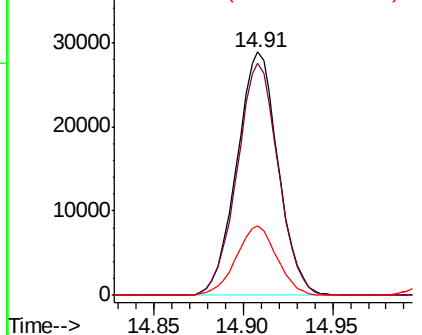


Abundance

Ion 179.80 (179.50 to 180.50): V

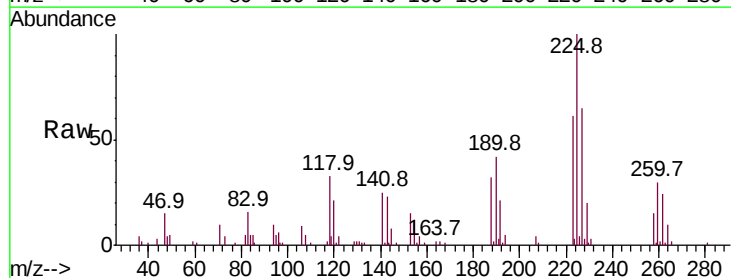
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.333 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055897.D
 Acq: 30 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	30.9	92.7	
227	63.9	31.6	94.7	

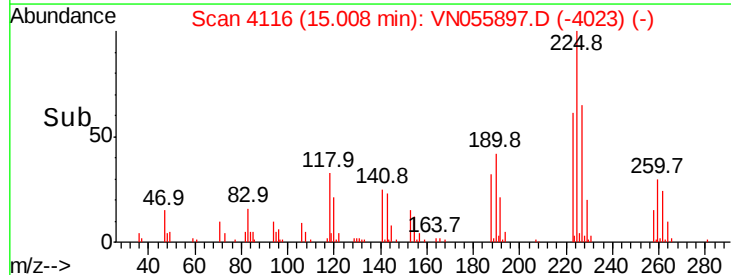
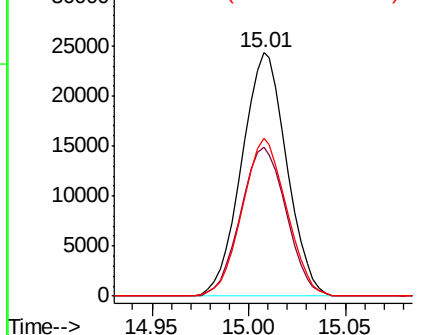


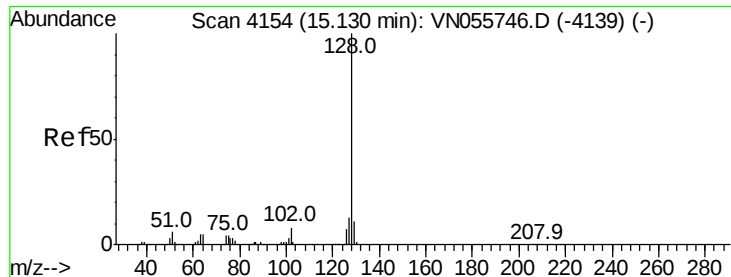
Abundance

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: 18.503 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Instrument :

MSVOA_N

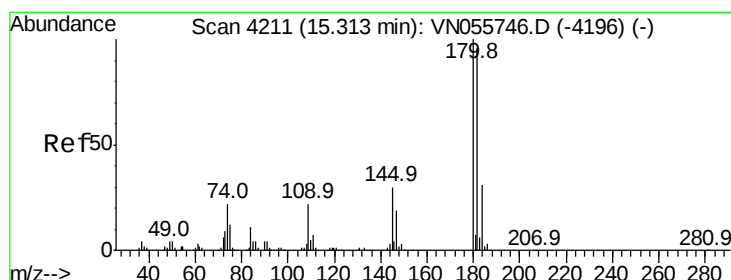
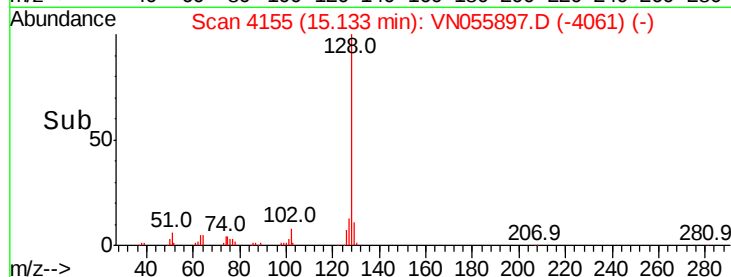
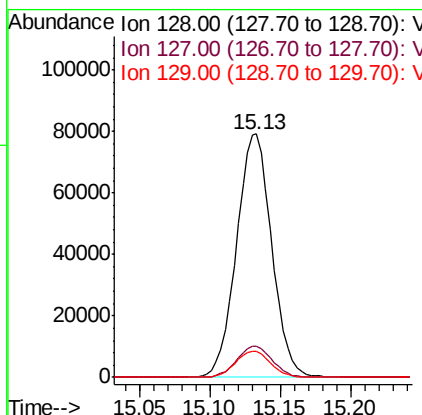
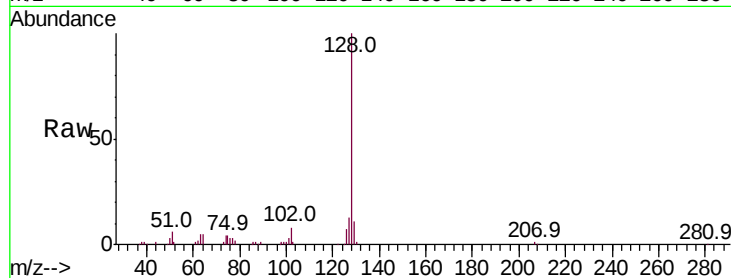
ClientSampleId :

VN0530WBSD01

Tot Ion:	128	Resp:	138652
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 18.095 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055897.D

Acq: 30 May 2019 13:48

Tgt Ion:	180	Resp:	52234
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	29.9	14.9	44.7

