

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055917.D
 Acq On : 31 May 2019 14:18
 Operator : JC/SP
 Sample : VN0531WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Manual Integrations
 APPROVED

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 6/3/2019 4:12:13 PM

Quant Time: Jun 03 08:25:37 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	287669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	437476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	167522	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	
35) Dibromofluoromethane	7.59	113	144881	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	10.09	98	551722	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.40	95	182447	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	36843	19.030	ug/l	97
3) Chloromethane	2.06	50	53844	19.850	ug/l	97
4) Vinyl Chloride	2.18	62	57829	19.988	ug/l	97
5) Bromomethane	2.52	94	37585	20.765	ug/l	98
6) Chloroethane	2.67	64	36556	20.986	ug/l	100
7) Trichlorofluoromethane	3.00	101	79508	20.961	ug/l	97
8) Diethyl Ether	3.40	74	36688	21.580	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50550	21.349	ug/l	99
10) Methyl Iodide	3.94	142	70668	20.414	ug/l	100
11) Tert butyl alcohol	4.82	59	62473	110.061	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49546	20.252	ug/l	99
13) Acrolein	3.60	56	27675	68.091	ug/l	95
14) Allyl chloride	4.31	41	83258	19.851	ug/l	98
15) Acrylonitrile	4.99	53	151199	116.002	ug/l	99
16) Acetone	3.82	43	134916	103.312	ug/l	100
17) Carbon Disulfide	4.03	76	107255	15.430	ug/l	99
18) Methyl Acetate	4.33	43	71103	26.180	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178475	21.873	ug/l	100
20) Methylene Chloride	4.54	84	61067	21.592	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	52821	20.096	ug/l	95
22) Diisopropyl ether	5.96	45	177979	21.818	ug/l	100
23) Vinyl Acetate	5.89	43	739214	105.692	ug/l	100
24) 1,1-Dichloroethane	5.84	63	100836	21.231	ug/l	99
25) 2-Butanone	6.84	43	205064	112.438	ug/l	100
26) 2,2-Dichloropropane	6.82	77	73610	17.908	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	66358	21.640	ug/l	99
28) Bromochloromethane	7.19	49	52226	23.096	ug/l	98
29) Tetrahydrofuran	7.22	42	132957	115.118	ug/l	98
30) Chloroform	7.37	83	103325	21.814	ug/l	100
31) Cyclohexane	7.65	56	92403	20.722	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	86591	20.486	ug/l	98
36) 1,1-Dichloropropene	7.79	75	73439	19.263	ug/l	99
37) Ethyl Acetate	6.93	43	82452	22.377	ug/l	98
38) Carbon Tetrachloride	7.77	117	71315	17.958	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	89717	19.004	ug/l	99
40) Benzene	8.04	78	237777	20.694	ug/l	100
41) Methacrylonitrile	7.17	41	34323	18.438	ug/l	88
42) 1,2-Dichloroethane	8.12	62	80066	21.325	ug/l	98
43) Isopropyl Acetate	8.17	43	127084	20.527	ug/l #	92
44) Trichloroethene	8.83	130	65434	20.428	ug/l	98
45) 1,2-Dichloropropane	9.12	63	62306	20.813	ug/l	100
46) Dibromomethane	9.21	93	42040	21.413	ug/l	97
47) Bromodichloromethane	9.40	83	78321	19.455	ug/l	99
48) Methyl methacrylate	9.20	41	63165	22.138	ug/l	98
49) 1,4-Dioxane	9.20	88	27532	464.338	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	400232	109.461	ug/l	99
52) Toluene	10.16	92	149880	20.741	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	78577	18.286	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	91216	19.162	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	62883	21.722	ug/l	97
56) Ethyl methacrylate	10.43	69	94016	21.014	ug/l	97
57) 1,3-Dichloropropane	10.71	76	100565	21.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	163867	95.840	ug/l	100
59) 2-Hexanone	10.75	43	277329	106.917	ug/l	100
60) Dibromochloromethane	10.90	129	61491	18.233	ug/l	100
61) 1,2-Dibromoethane	11.00	107	63300	21.080	ug/l	100
64) Tetrachloroethene	10.63	164	65831	20.243	ug/l	98
65) Chlorobenzene	11.43	112	161455	20.917	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	59542	19.341	ug/l	100
67) Ethyl Benzene	11.51	91	282693	20.422	ug/l	99
68) m/p-Xylenes	11.62	106	212795	40.663	ug/l	99
69) o-Xylene	11.95	106	107475	20.700	ug/l	98
70) Styrene	11.96	104	170871	20.323	ug/l	99
71) Bromoform	12.13	173	42415	16.152	ug/l #	99
73) Isopropylbenzene	12.25	105	282242	23.931	ug/l	100
74) N-amyl acetate	12.07	43	101114	22.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	87632	24.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	71603m	24.961	ug/l	
77) Bromobenzene	12.53	156	72242	21.605	ug/l	100
78) n-propylbenzene	12.59	91	292636	21.487	ug/l	100
79) 2-Chlorotoluene	12.67	91	183675	23.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231857	23.347	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20839	17.893	ug/l	90
82) 4-Chlorotoluene	12.77	91	168504	21.048	ug/l	99
83) tert-Butylbenzene	12.99	119	206528	23.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	226132	22.871	ug/l	99
85) sec-Butylbenzene	13.17	105	260273	23.418	ug/l	100
86) p-Isopropyltoluene	13.29	119	232026	21.322	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	112977	21.338	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104440	20.747	ug/l	98
89) n-Butylbenzene	13.61	91	163238	19.578	ug/l	99
90) Hexachloroethane	13.87	117	36840	17.786	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	115246	21.817	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13958	20.103	ug/l	94

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ClientSampleId :
VN0531WBSD01

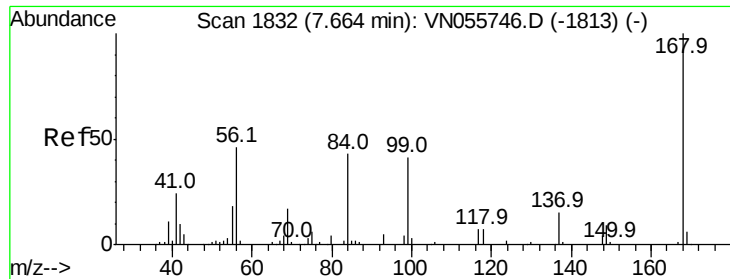
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47898	18.250	ug/l	99
94) Hexachlorobutadiene	15.01	225	40503	20.717	ug/l	99
95) Naphthalene	15.13	128	165878	22.884	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	55445	19.856	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleID :

VN0531WBSD01

Tot Ion:168 Resp: 287669

Ion Ratio Lower Upper

168 100

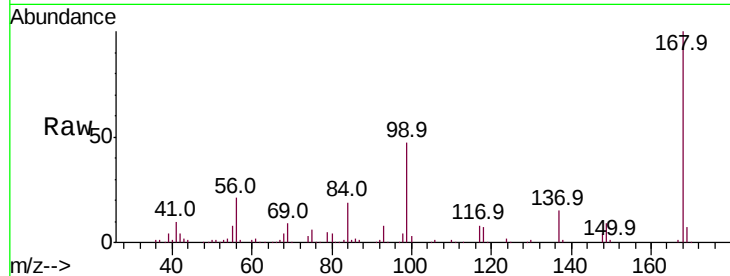
99 46.3 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

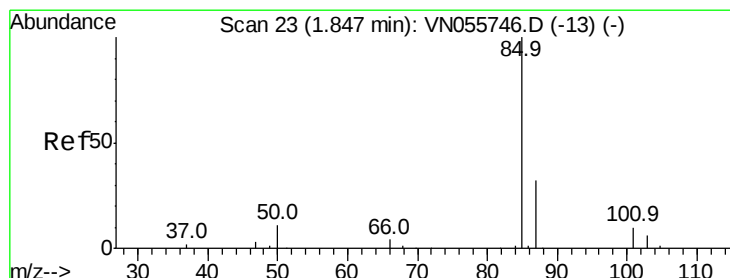
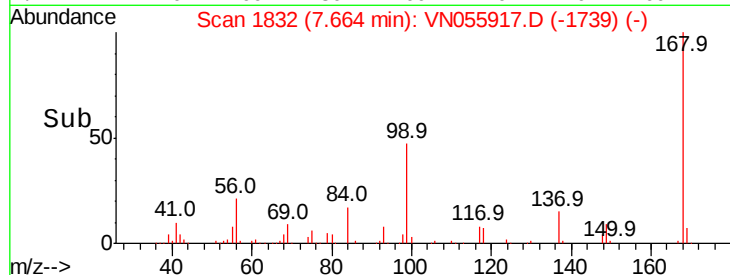
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.030 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055917.D

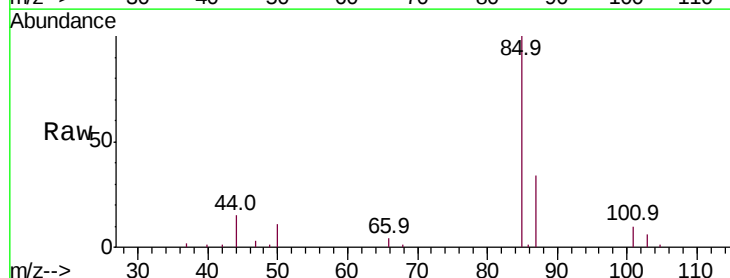
Acq: 31 May 2019 14:18

Tgt Ion: 85 Resp: 36843

Ion Ratio Lower Upper

85 100

87 33.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

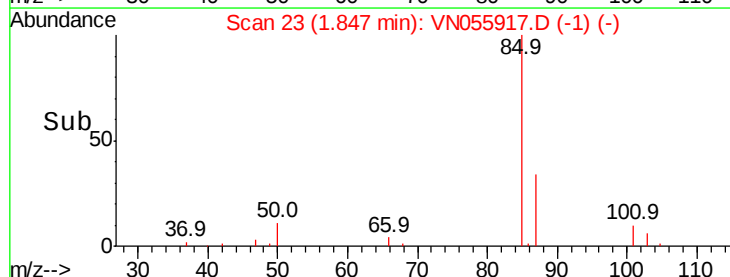
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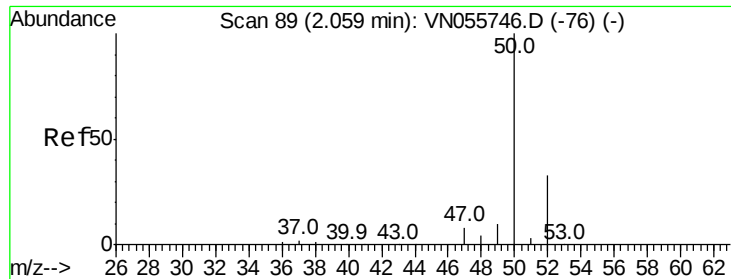
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Time-->





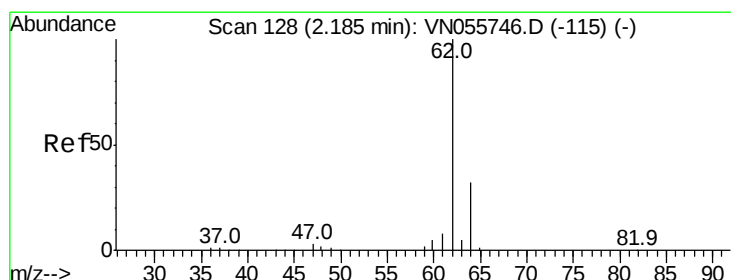
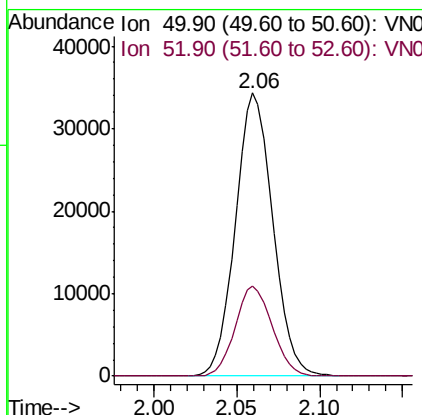
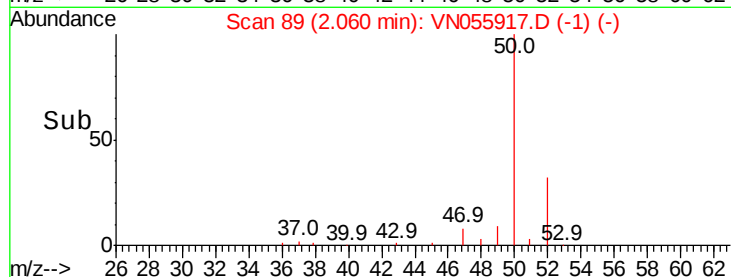
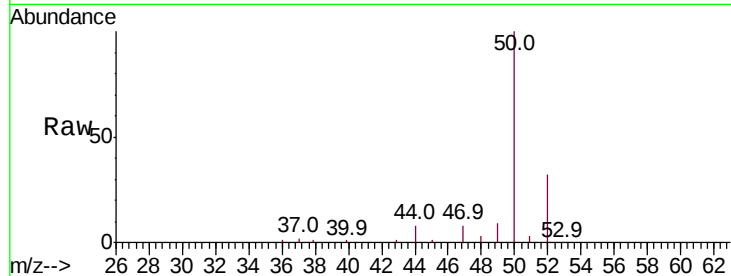
#3
Chloromethane
Concen: 19.850 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion: 50 Resp: 53844
Ion Ratio Lower Upper
50 100
52 31.8 26.6 40.0

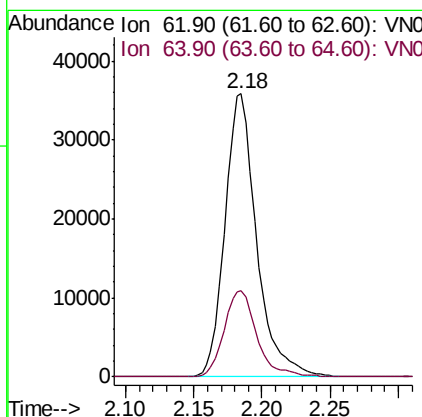
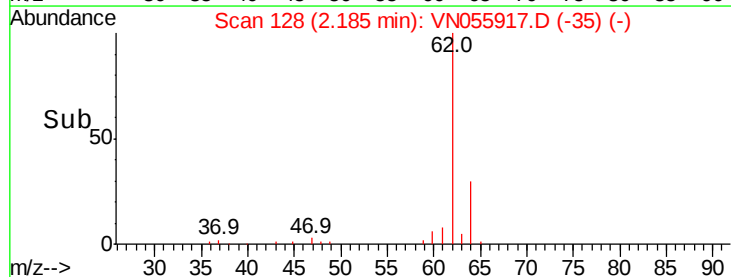
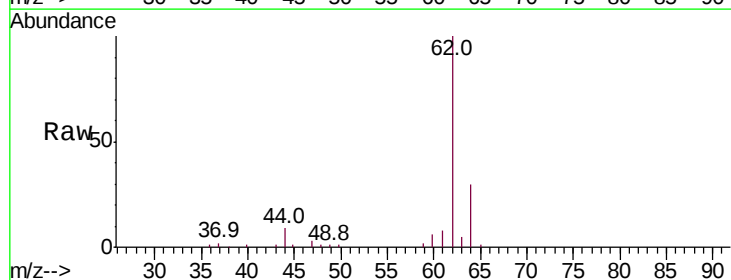
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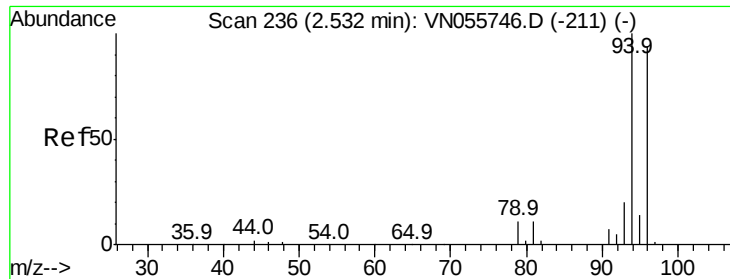
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#4
Vinyl Chloride
Concen: 19.988 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 62 Resp: 57829
Ion Ratio Lower Upper
62 100
64 30.4 25.6 38.4





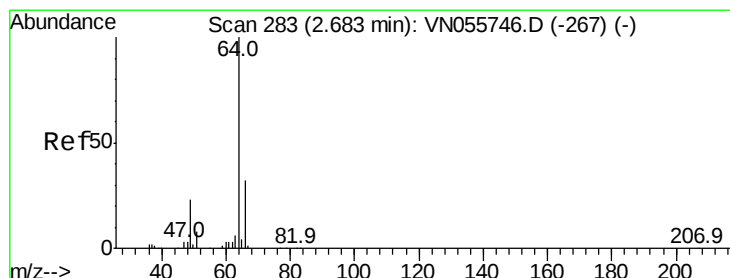
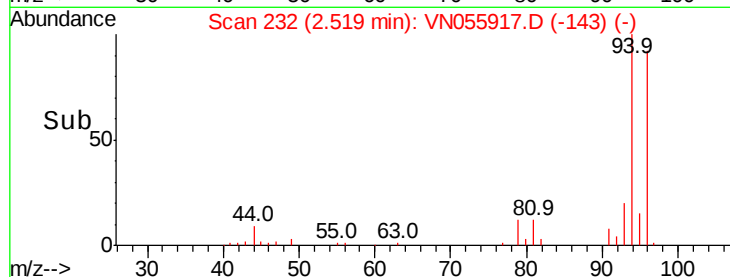
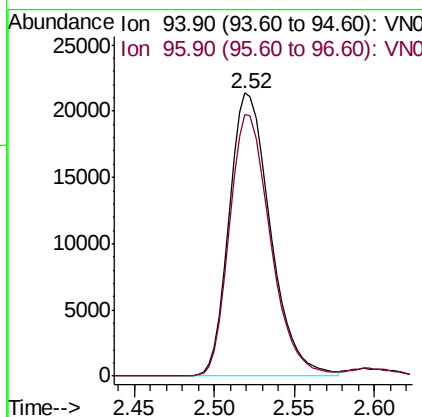
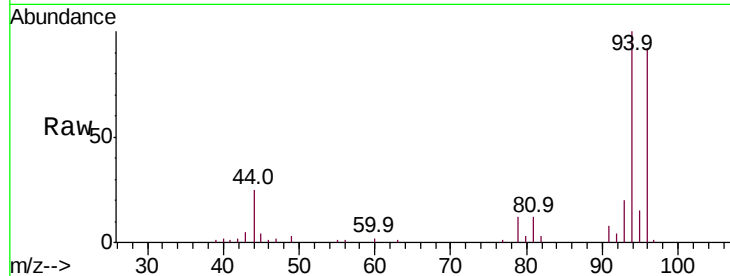
#5
Bromomethane
Concen: 20.765 ug/l
RT: 2.52 min Scan# 232
Delta R.T. -0.01 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 37585
Ion Ratio Lower Upper
94 100
96 92.4 75.5 113.3

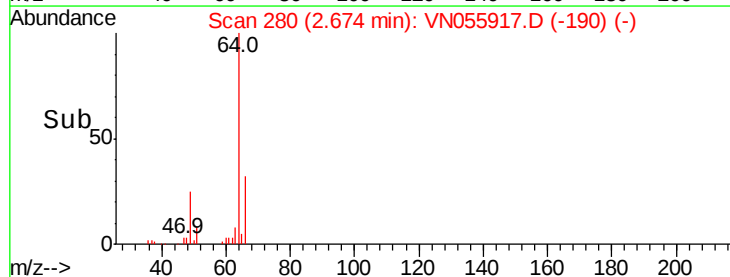
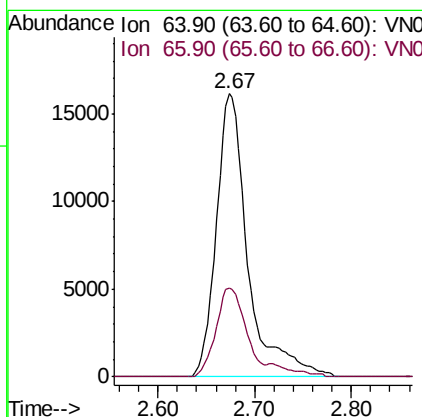
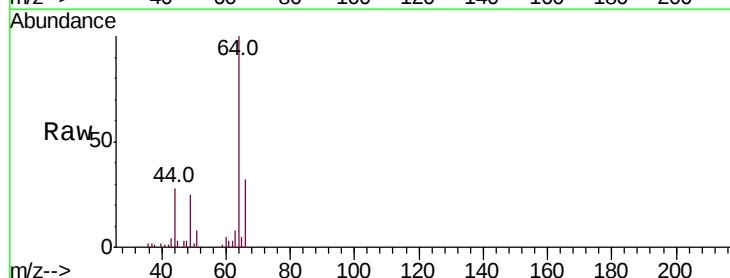
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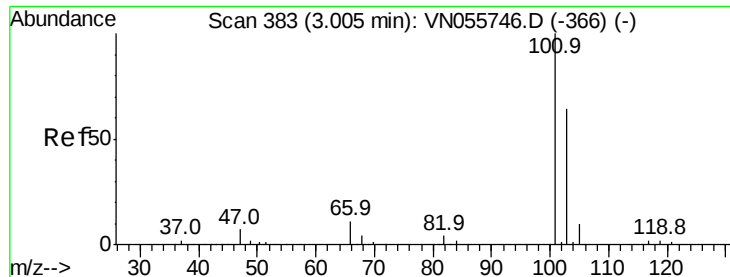
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#6
Chloroethane
Concen: 20.986 ug/l
RT: 2.67 min Scan# 280
Delta R.T. -0.01 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 64 Resp: 36556
Ion Ratio Lower Upper
64 100
66 31.5 25.4 38.0





#7

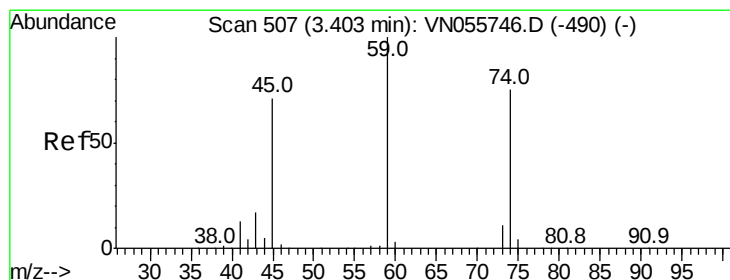
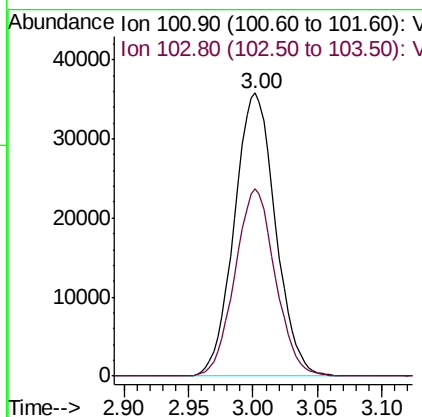
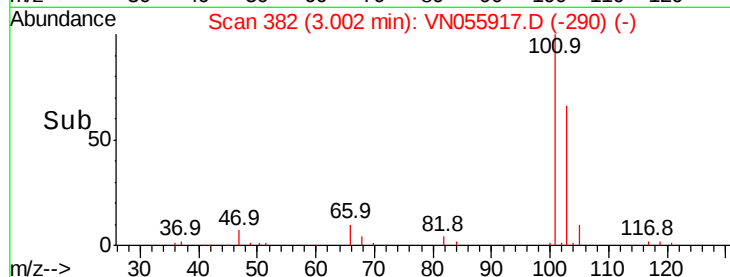
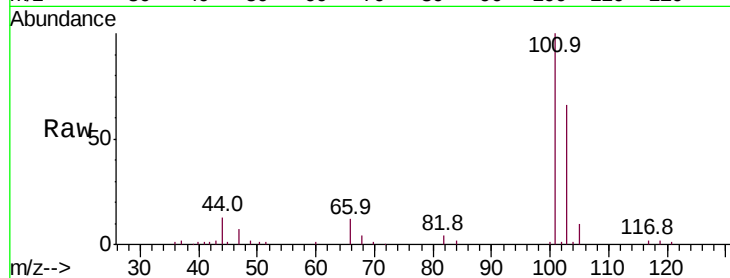
Trichlorofluoromethane
 Concen: 20.961 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion:101 Resp: 79508
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.2 76.8

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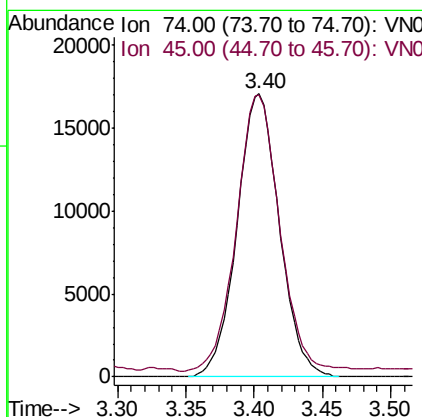
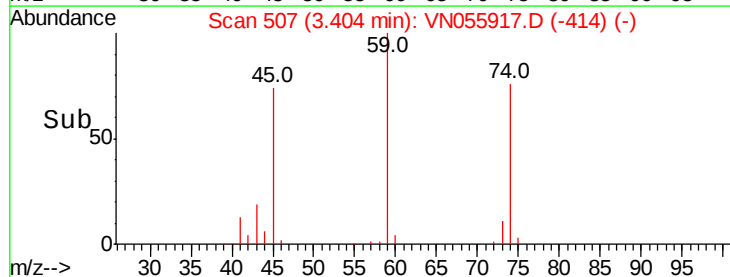
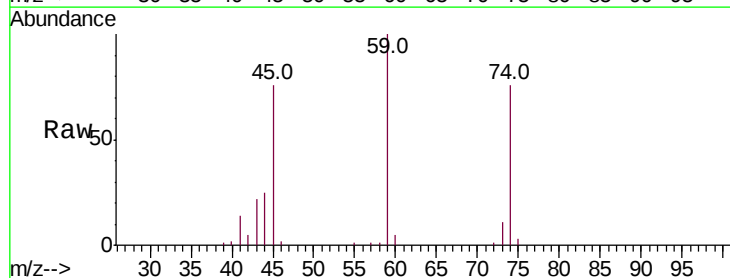
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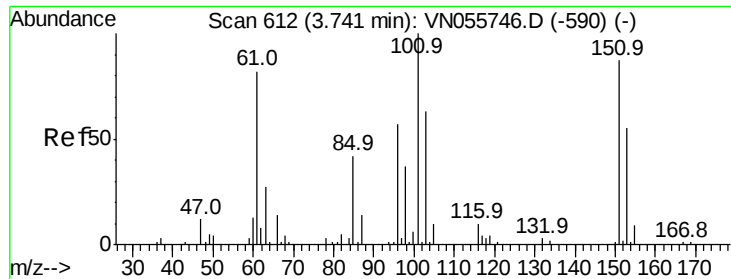


#8

Diethyl Ether
 Concen: 21.580 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion: 74 Resp: 36688
 Ion Ratio Lower Upper
 74 100
 45 99.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.349 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

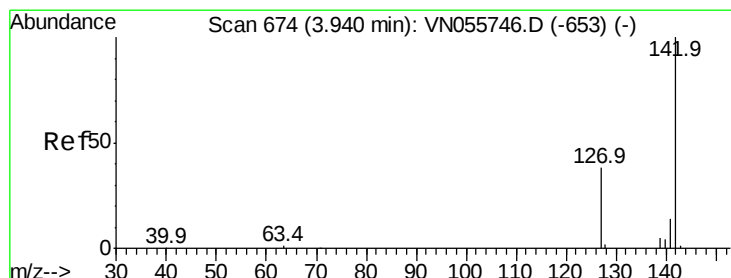
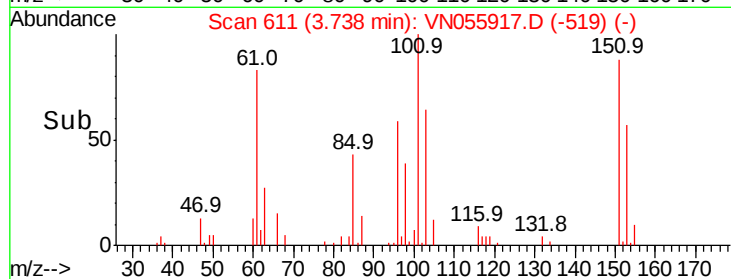
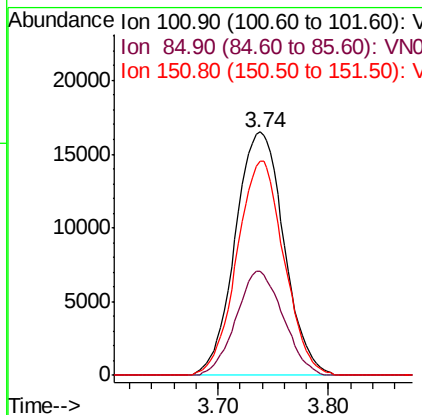
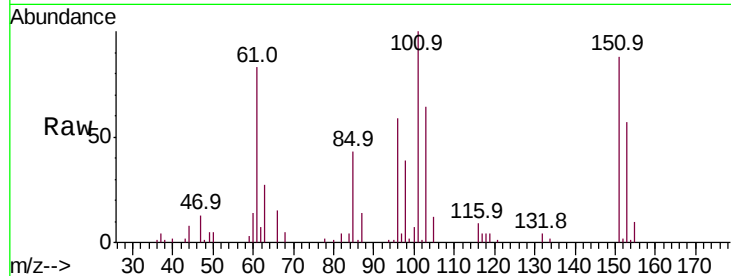
ClientSampleId :

VN0531WBSD01

Tot Ion:	101	Resp:	50550
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.2
151	85.2	69.4	104.2

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#10

Methyl Iodide

Concen: 20.414 ug/l

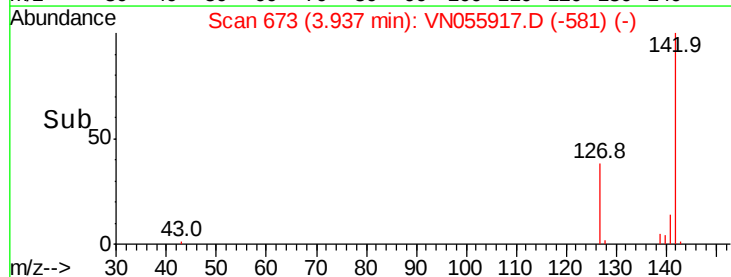
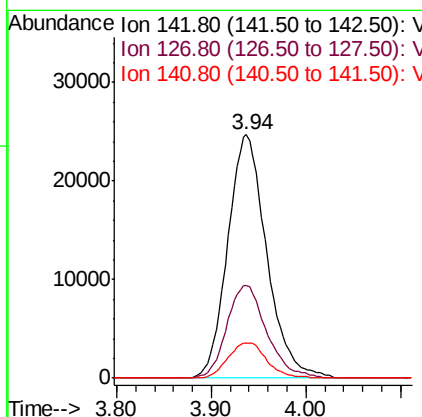
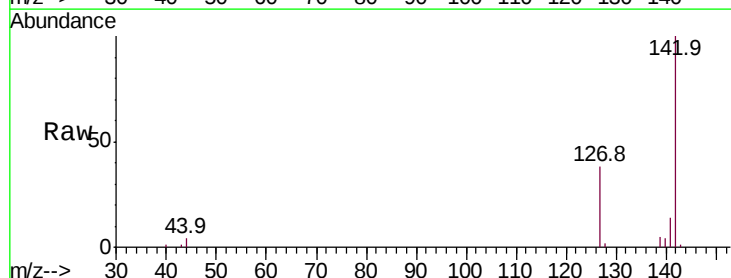
RT: 3.94 min Scan# 673

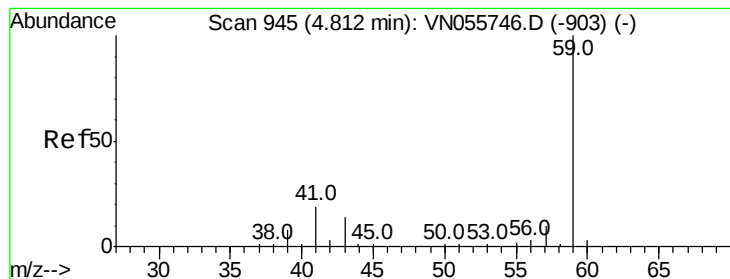
Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion:	142	Resp:	70668
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	14.3	11.4	17.0





#11

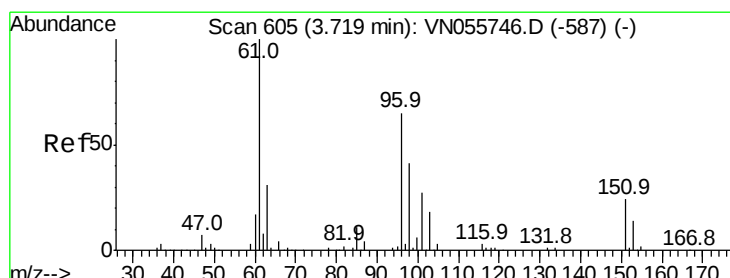
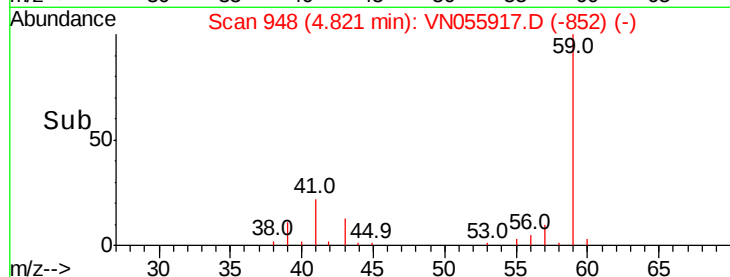
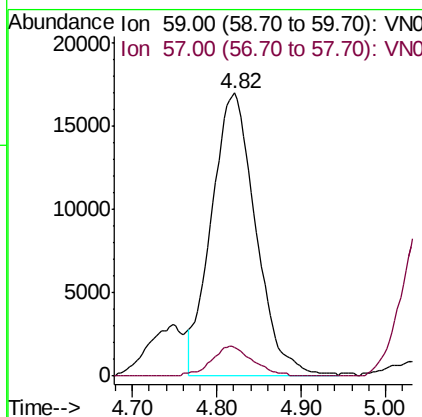
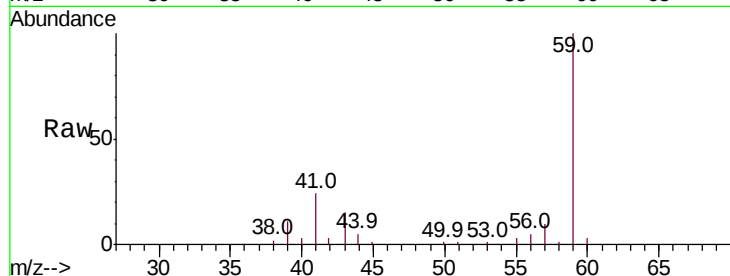
Tert butyl alcohol
Concen: 110.061 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.6

Manual Integrations
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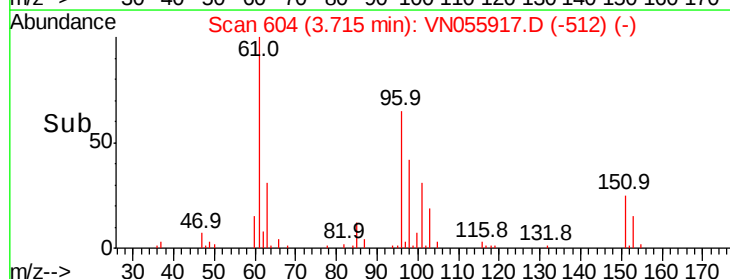
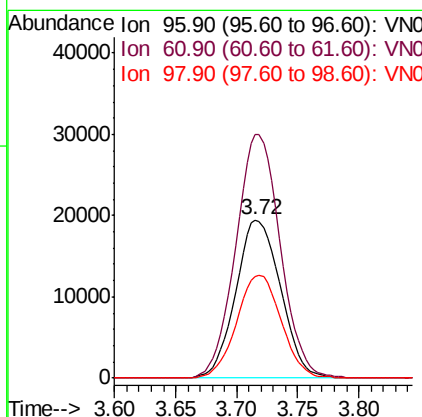
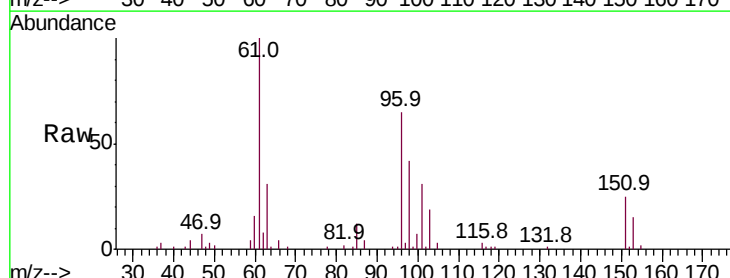
MMDadoda
6/3/2019 4:12:13 PM

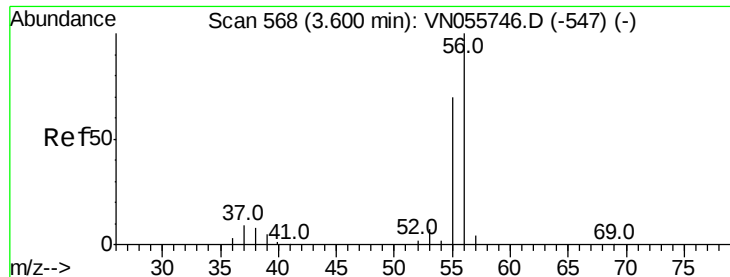


#12

1,1-Dichloroethene
Concen: 20.252 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	123.2	184.8
98	64.5	50.4	75.6





#13

Acrolein

Concen: 68.091 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion: 56 Resp: 27675

Ion Ratio Lower Upper

56 100

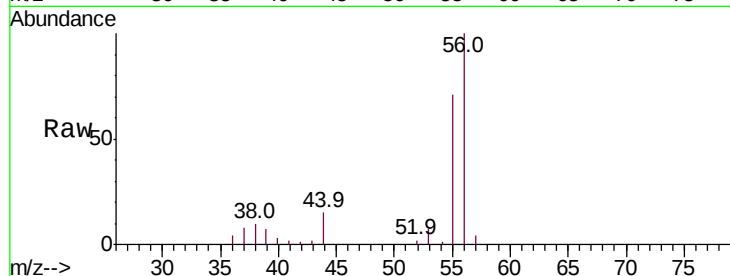
55 73.7 55.4 83.2

Manual Integrations

APPROVED

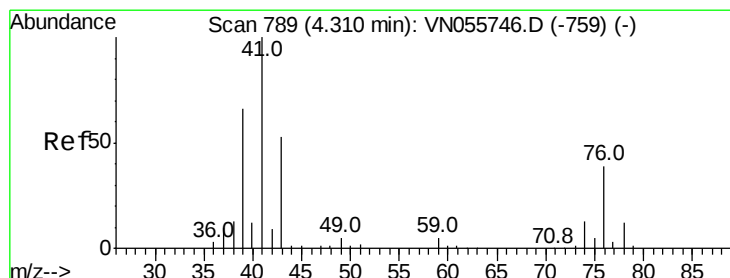
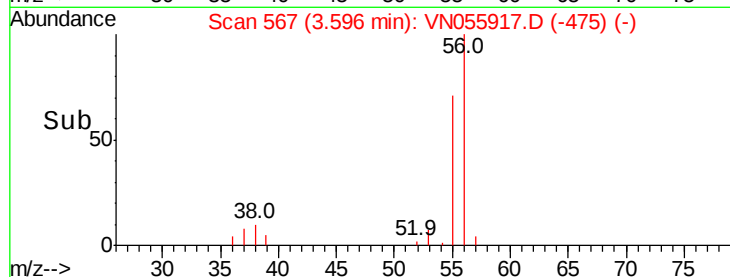
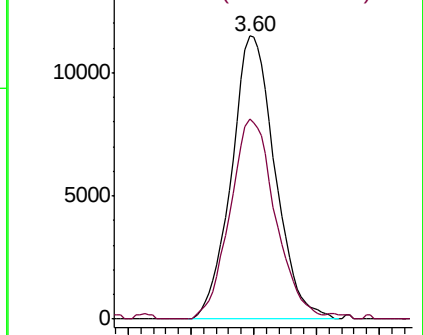
MMDadoda

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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: 19.851 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

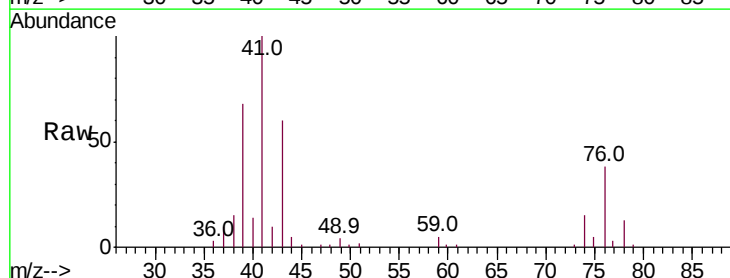
Tgt Ion: 41 Resp: 83258

Ion Ratio Lower Upper

41 100

39 63.7 50.0 75.0

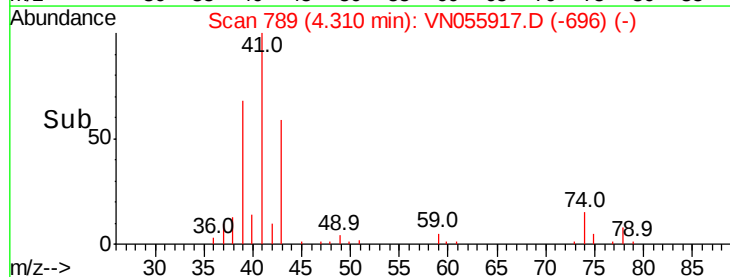
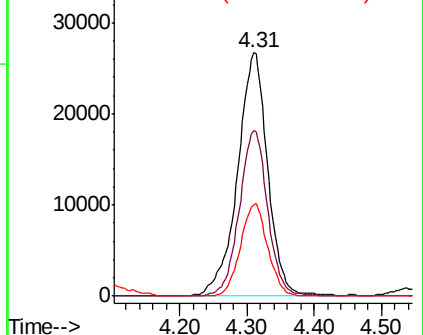
76 34.0 28.2 42.2



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: 116.002 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

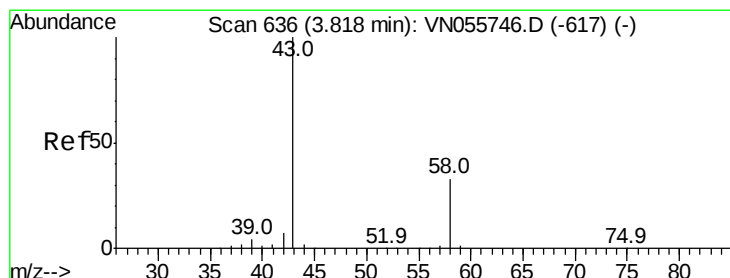
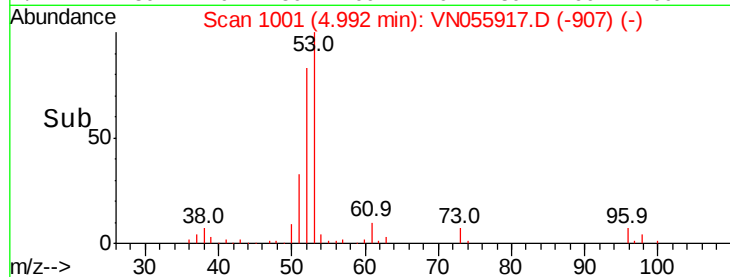
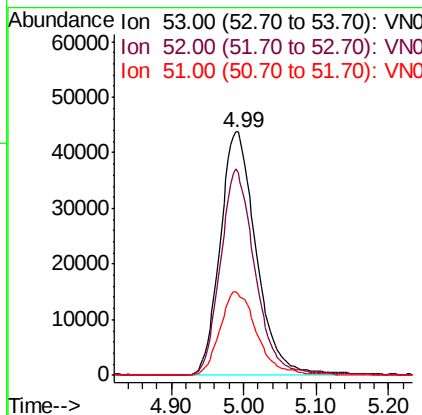
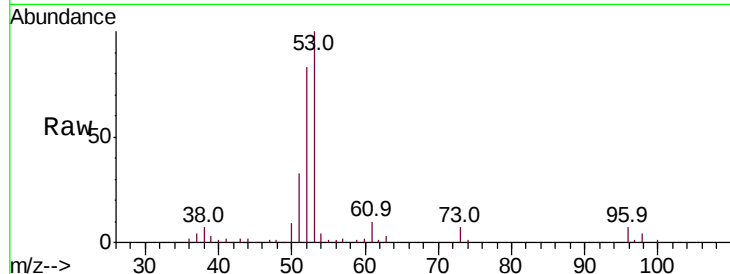
ClientSampleId :

VN0531WBSD01

Tot Ion:	53	Resp:	151199
Ion Ratio	Lower	Upper	
53	100		
52	80.6	65.8	98.8
51	35.5	28.2	42.4

Manual Integrations
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MMDadoda
6/3/2019 4:12:13 PM



#16

Acetone

Concen: 103.312 ug/l

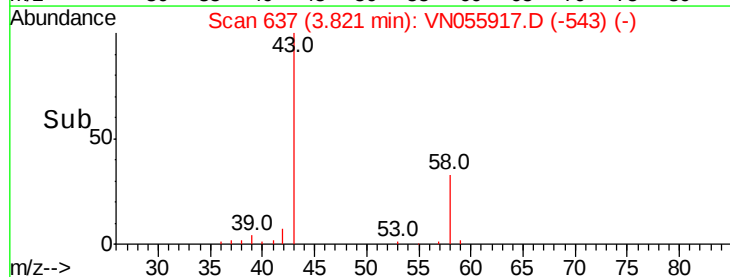
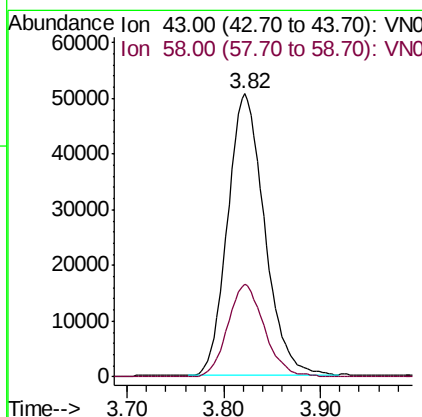
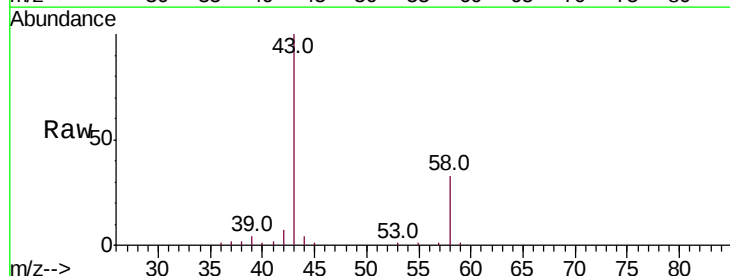
RT: 3.82 min Scan# 637

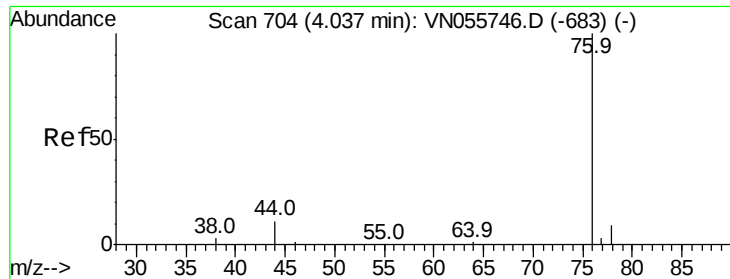
Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion:	43	Resp:	134916
Ion Ratio	Lower	Upper	
43	100		
58	33.0	26.6	39.8





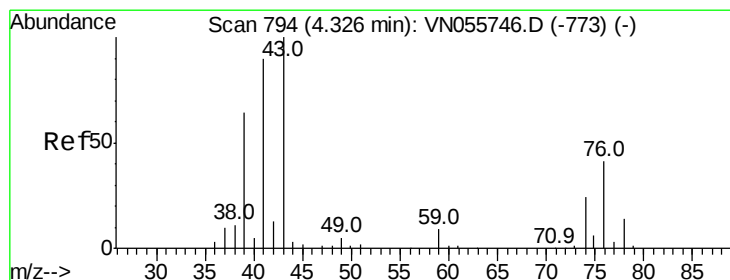
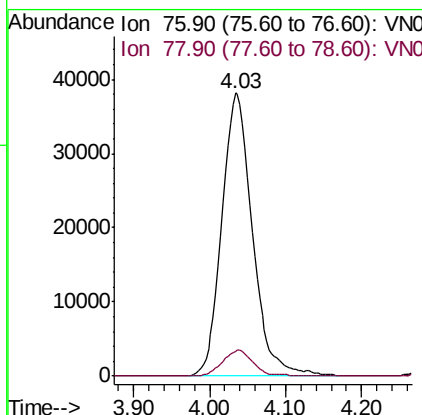
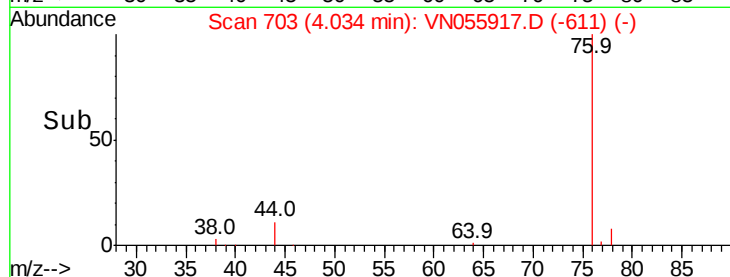
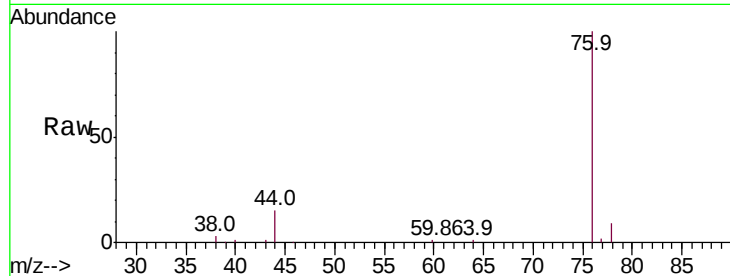
#17
Carbon Disulfide
Concen: 15.430 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion: 76 Resp: 107255
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

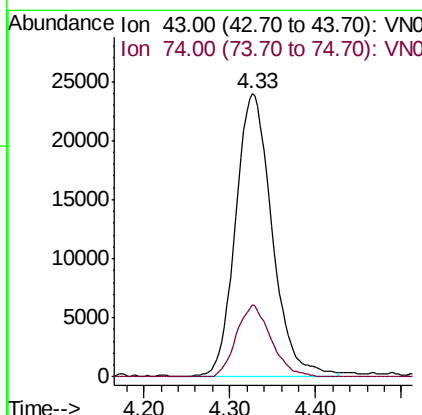
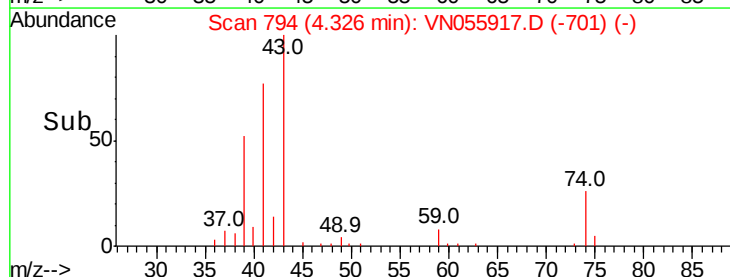
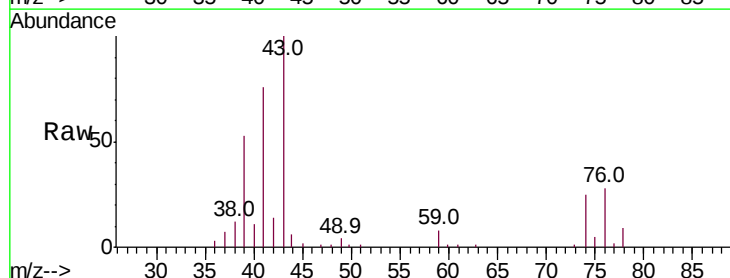
Manual Integrations
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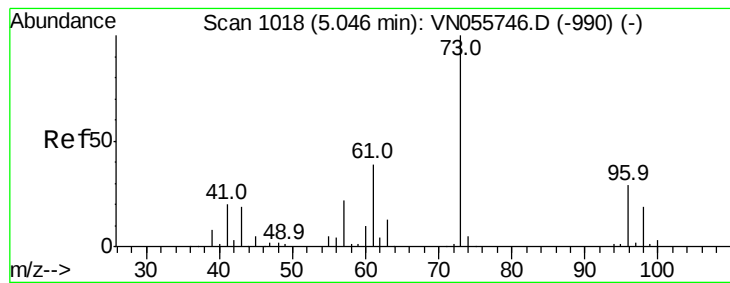
MMDadoda
6/3/2019 4:12:13 PM



#18
Methyl Acetate
Concen: 26.180 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 43 Resp: 71103
Ion Ratio Lower Upper
43 100
74 24.0 19.3 28.9





#19

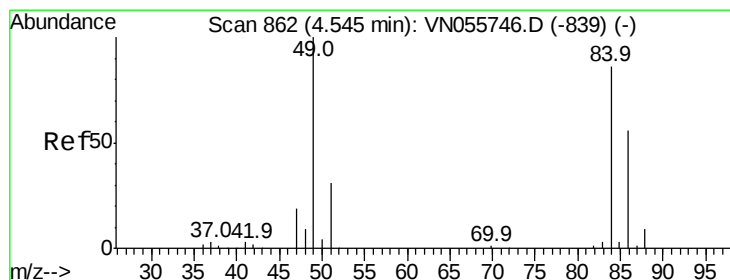
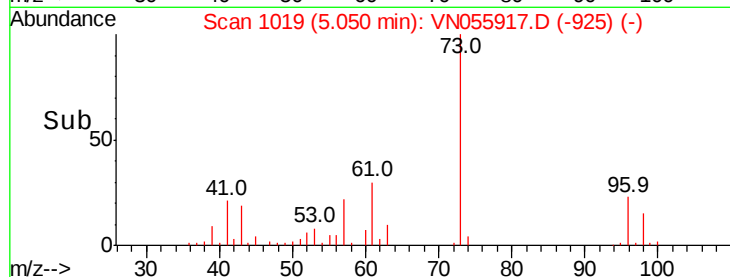
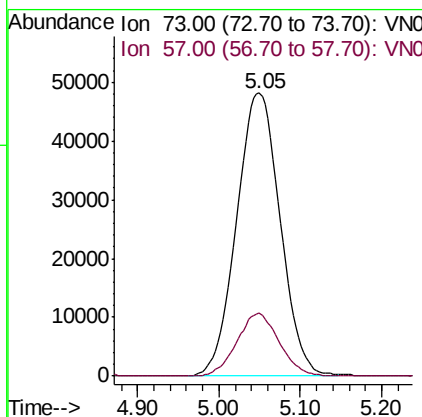
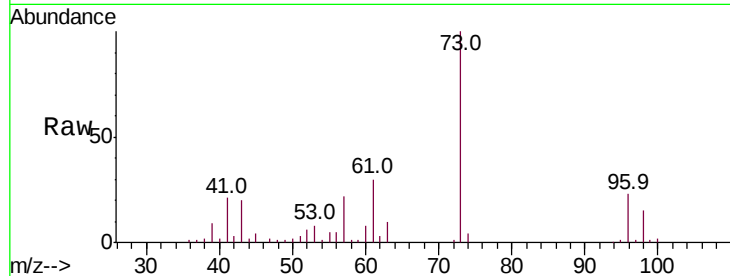
Methyl tert-butyl Ether
 Concen: 21.873 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion: 73 Resp: 178475
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.8 26.8

Manual Integrations
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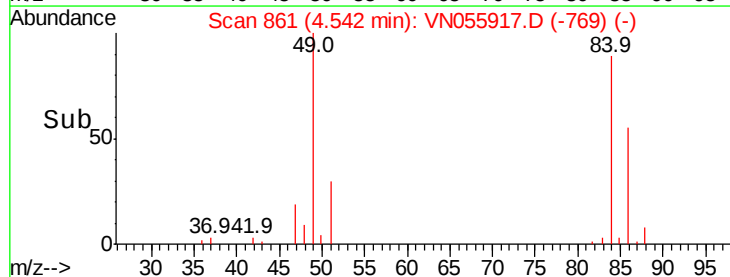
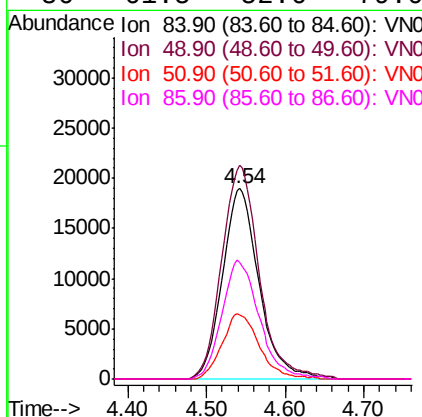
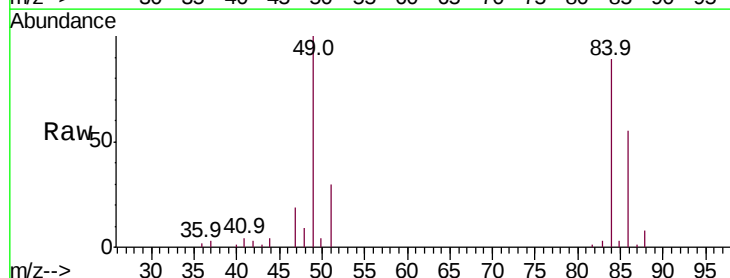
MMDadoda
 6/3/2019 4:12:13 PM

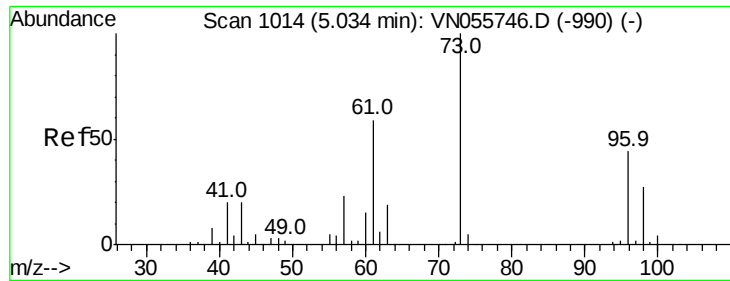


#20

Methylene Chloride
 Concen: 21.592 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion: 84 Resp: 61067
 Ion Ratio Lower Upper
 84 100
 49 112.1 93.5 140.3
 51 33.7 28.6 43.0
 86 61.5 52.6 79.0





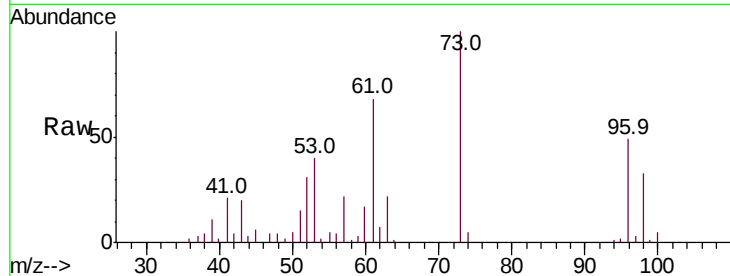
#21
trans-1,2-Dichloroethene
Concen: 20.096 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	107.8	161.8
98	67.4	49.8	74.8

Manual Integrations
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MMDadoda
6/3/2019 4:12:13 PM

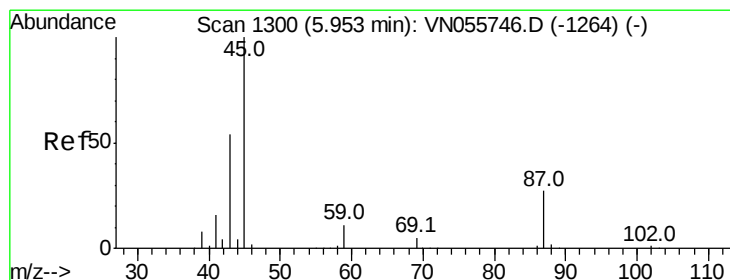
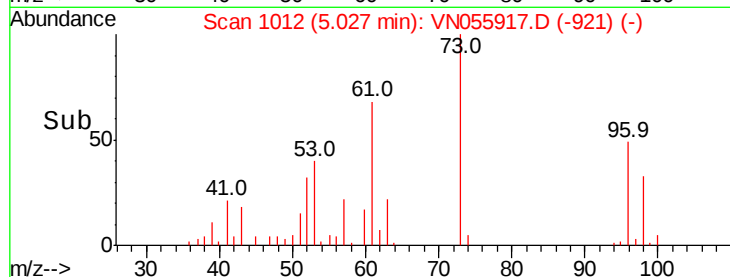
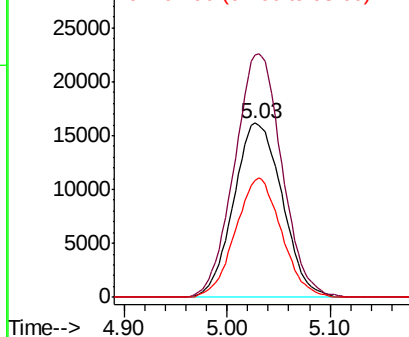


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 21.818 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.0	67.6
87	28.6	22.2	33.4
59	11.3	9.1	13.7

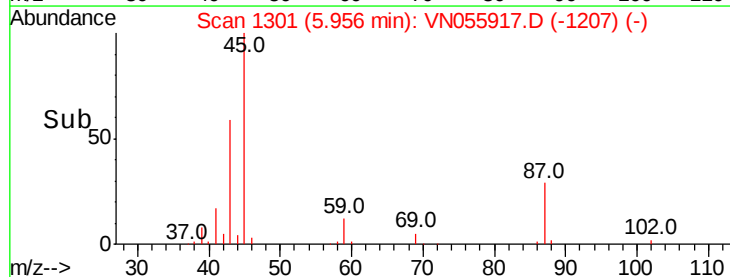
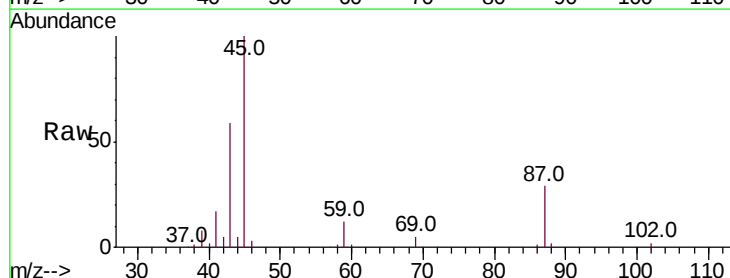
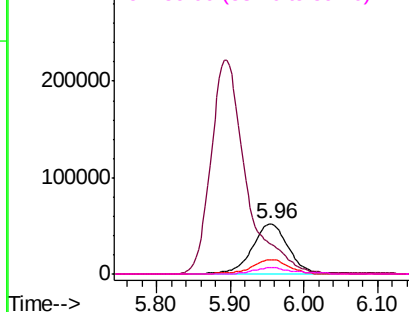
Abundance

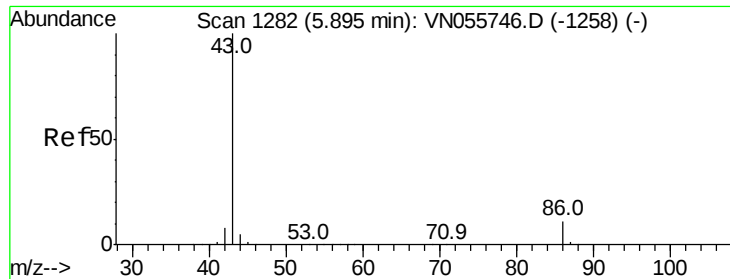
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 105.692 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion: 43 Resp: 739214

Ion Ratio Lower Upper

43 100

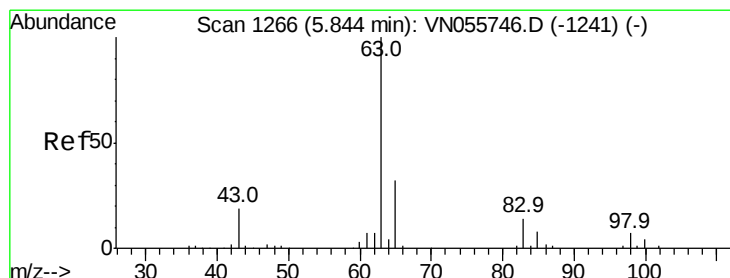
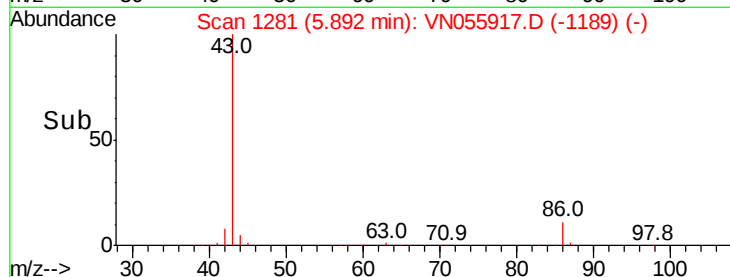
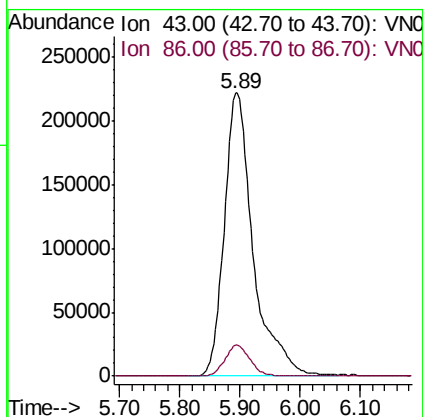
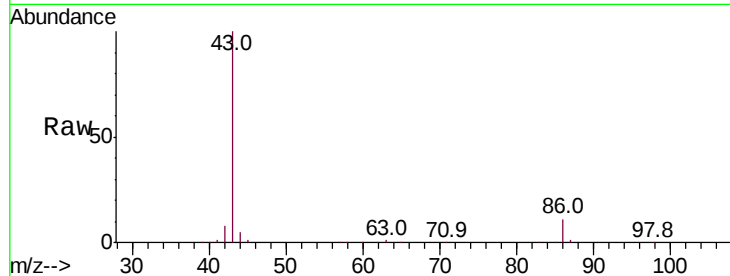
86 10.8 8.6 13.0

Manual Integrations

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MMDadoda

6/3/2019 4:12:13 PM



#24

1,1-Dichloroethane

Concen: 21.231 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

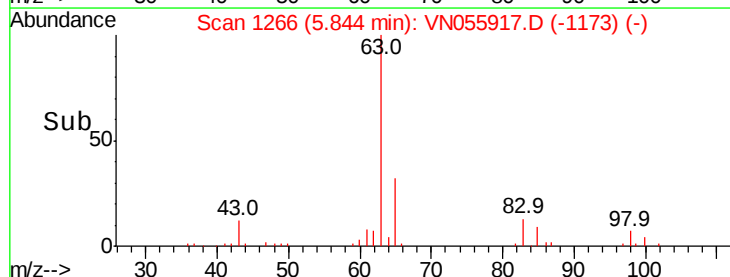
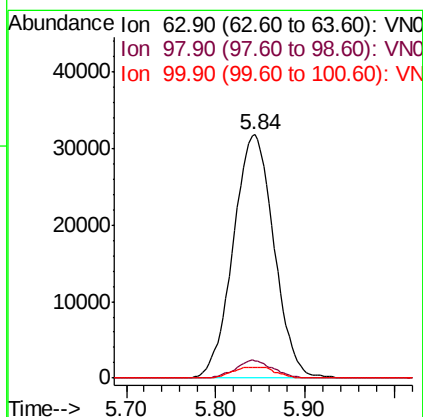
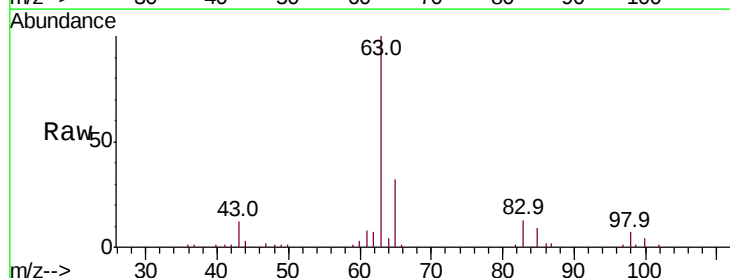
Tgt Ion: 63 Resp: 100836

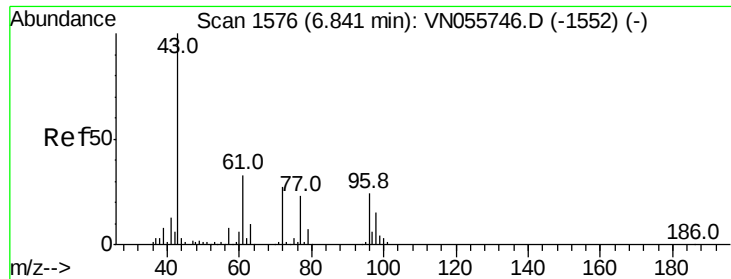
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.2 2.2 6.6





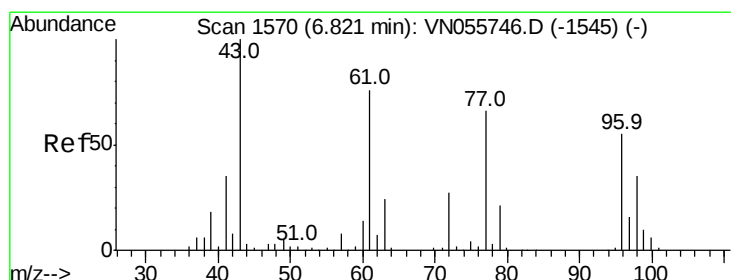
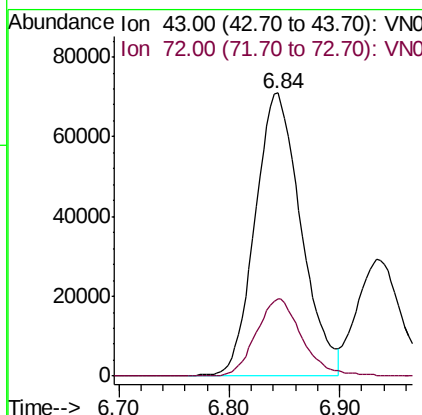
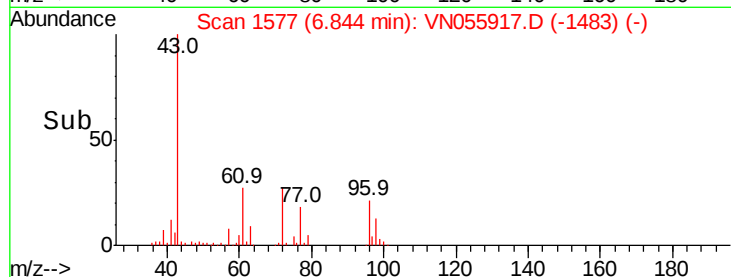
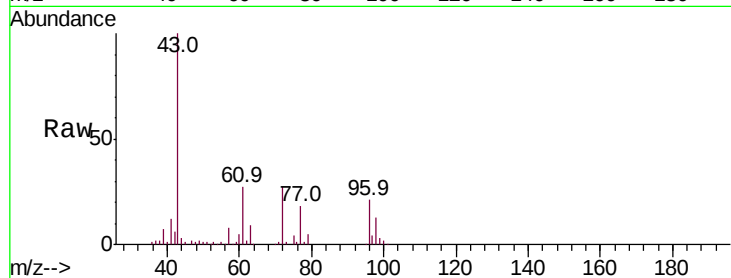
#25
2-Butanone
Concen: 112.438 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion: 43 Resp: 205064
Ion Ratio Lower Upper
43 100
72 27.3 21.9 32.9

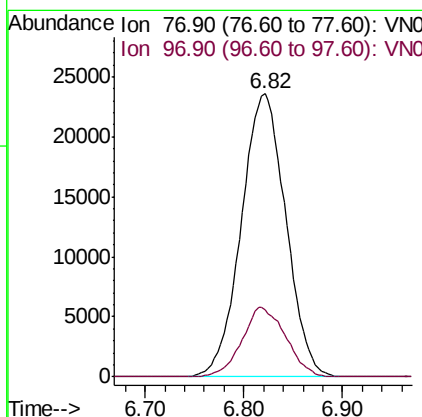
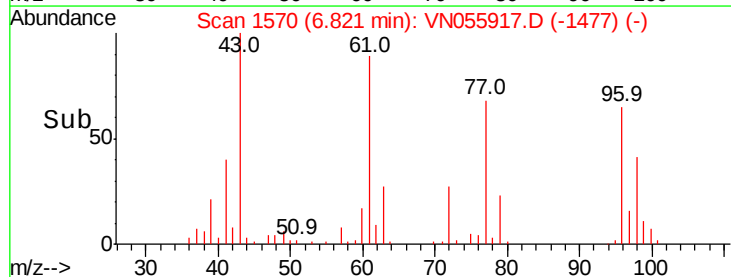
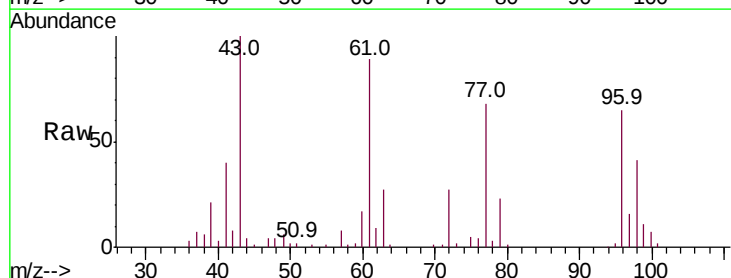
Manual Integrations
APPROVED

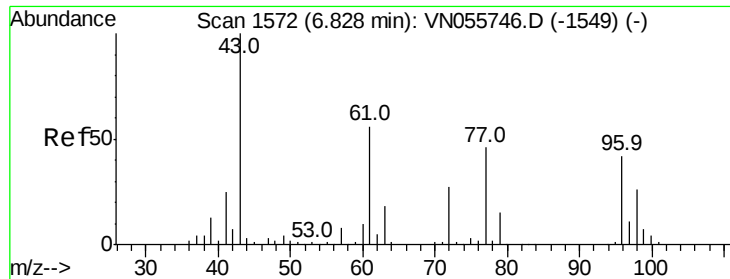
MMDadoda
6/3/2019 4:12:13 PM



#26
2,2-Dichloropropane
Concen: 17.908 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 77 Resp: 73610
Ion Ratio Lower Upper
77 100
97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.640 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

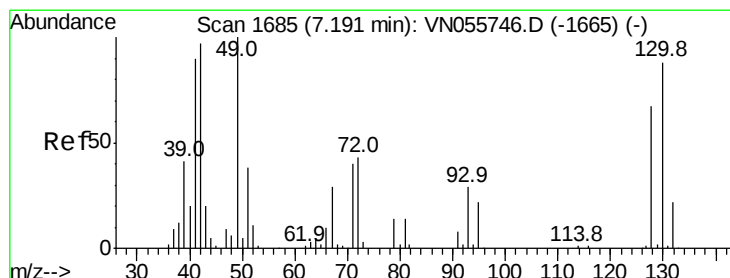
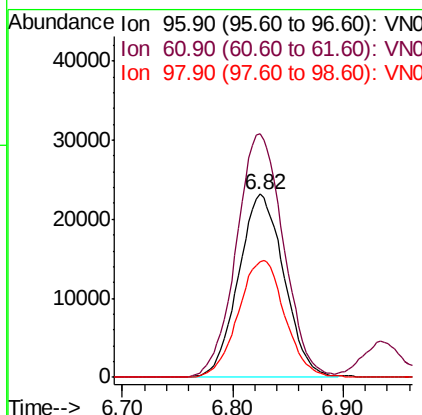
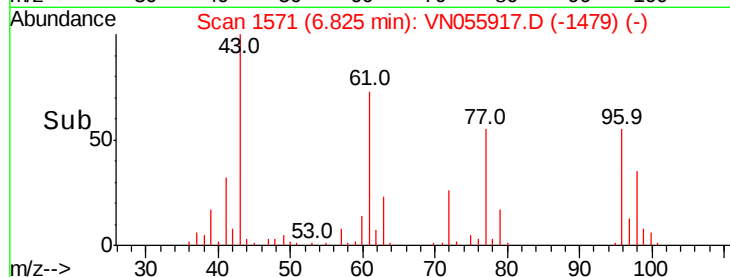
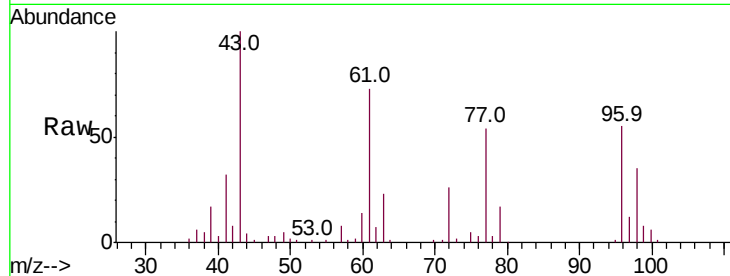
ClientSampleId :

VN0531WBSD01

Tot Ion:	96	Resp:	66358
Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	275.8
98	65.0	0.0	128.4

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#28

Bromochloromethane

Concen: 23.096 ug/l

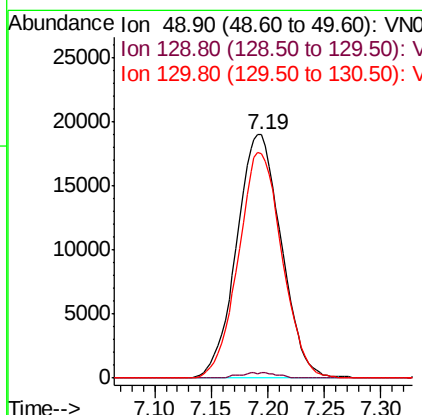
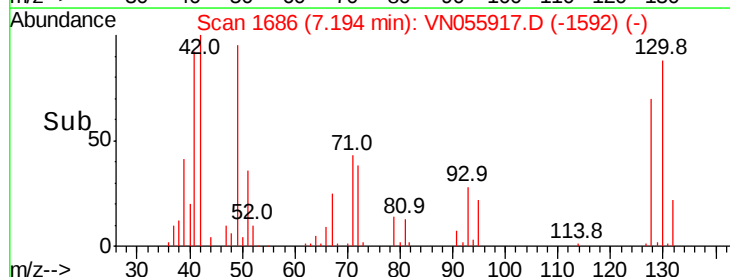
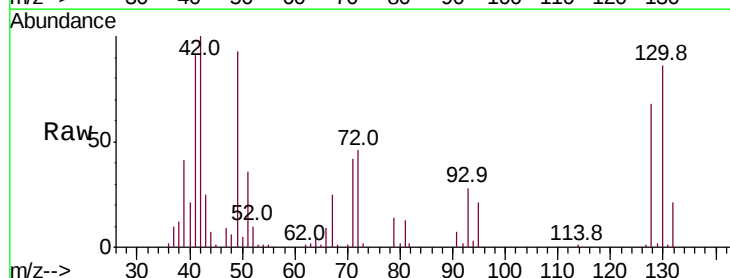
RT: 7.19 min Scan# 1686

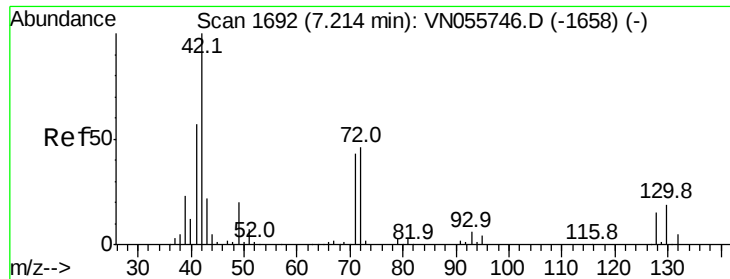
Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion:	49	Resp:	52226
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	90.4	71.2	106.8





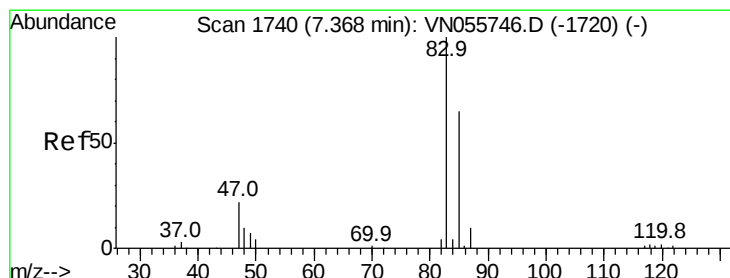
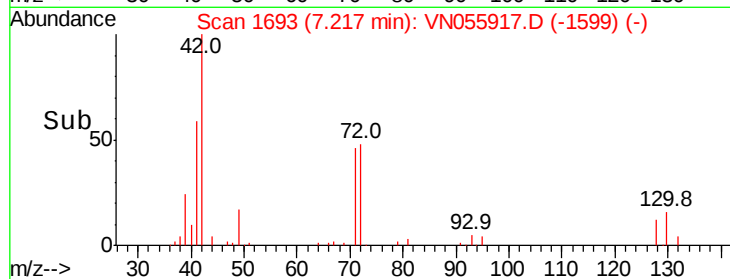
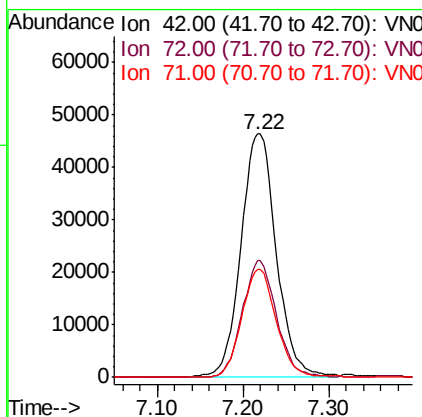
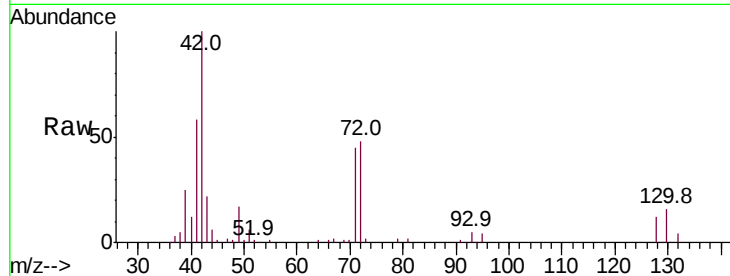
#29
Tetrahydrofuran
Concen: 115.118 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.9	53.9
71	43.3	34.0	51.0

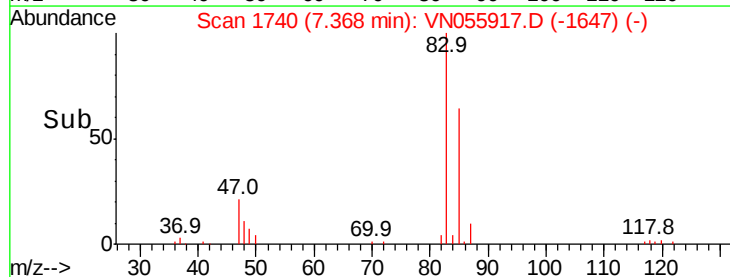
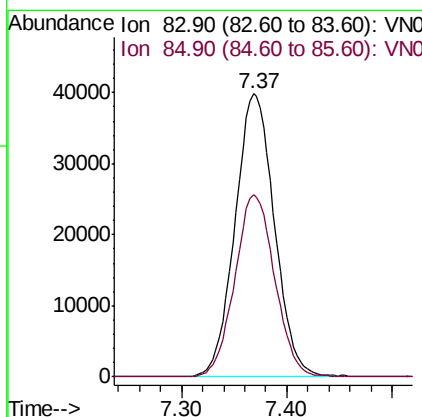
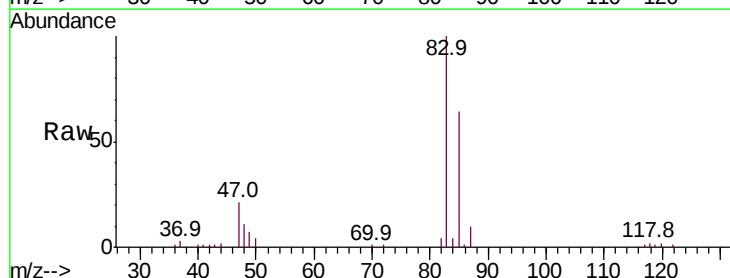
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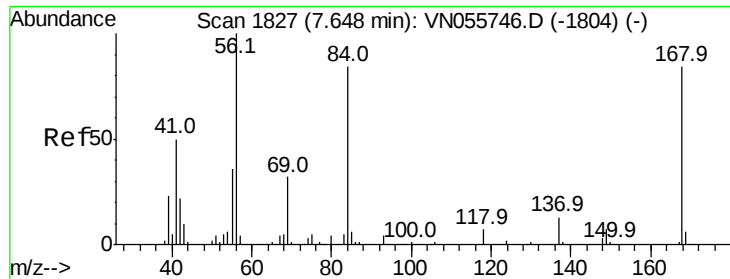
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#30
Chloroform
Concen: 21.814 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





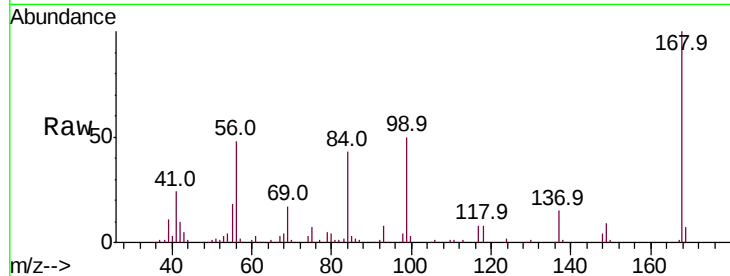
#31
Cyclohexane
Concen: 20.722 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

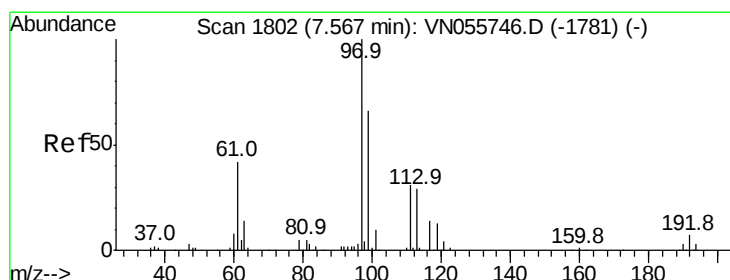
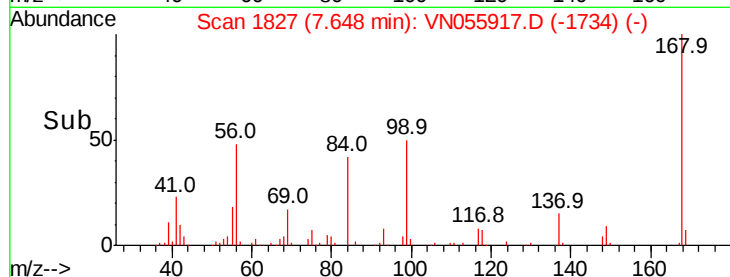
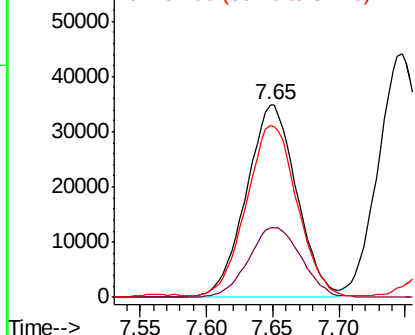
Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.6	38.4
84	88.6	67.4	101.0

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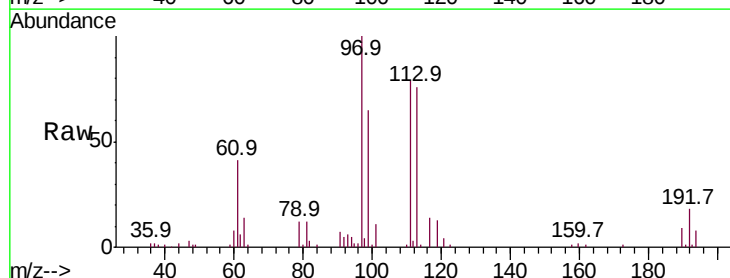


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

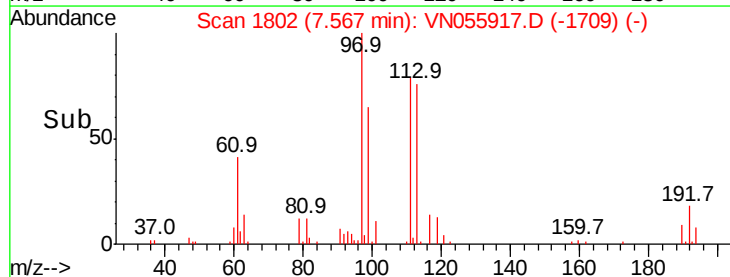
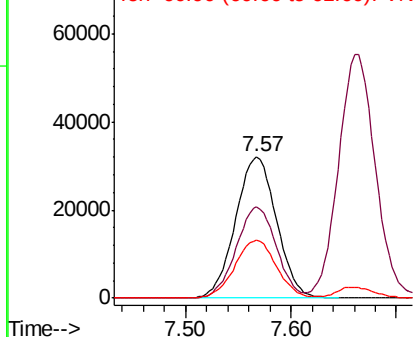


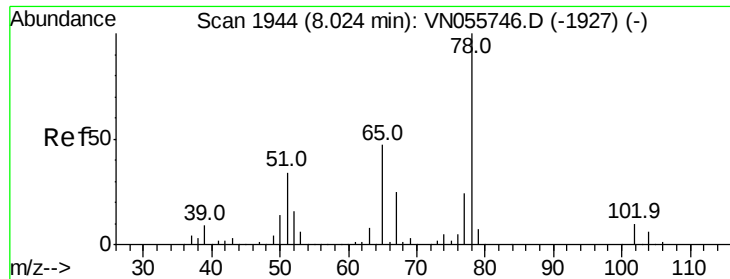
#32
1,1,1-Trichloroethane
Concen: 20.486 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.0	78.0
61	41.6	32.9	49.3



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





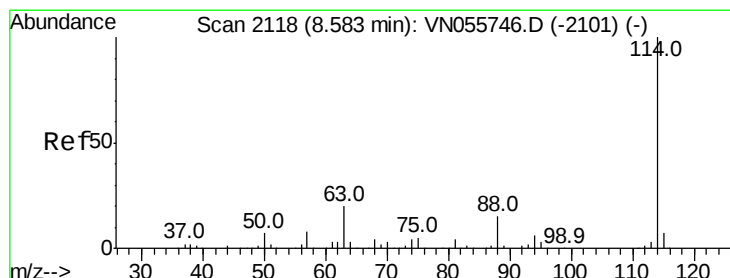
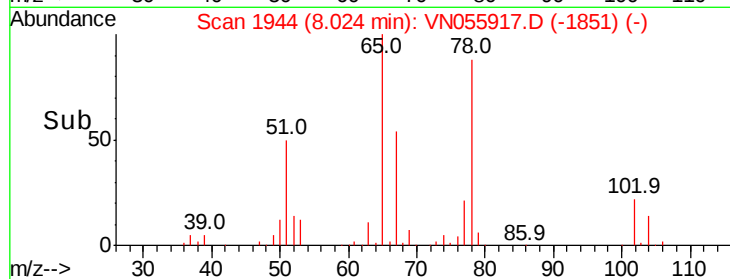
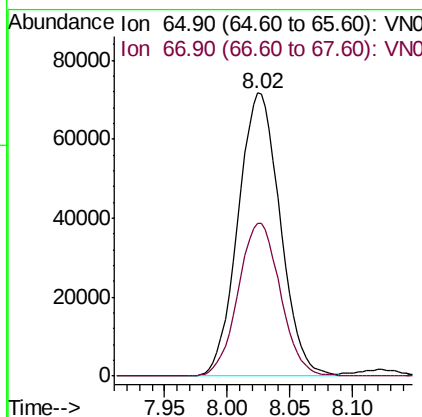
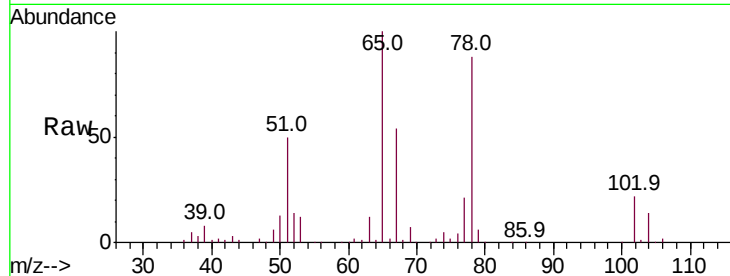
#33
 1,2-Dichloroethane-d4
 Concen: 56.389 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167522		
67	54.2	0.0	109.2	

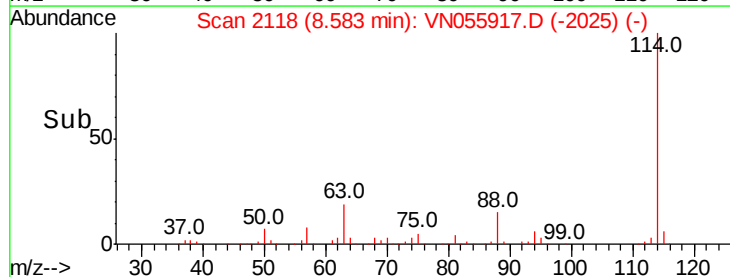
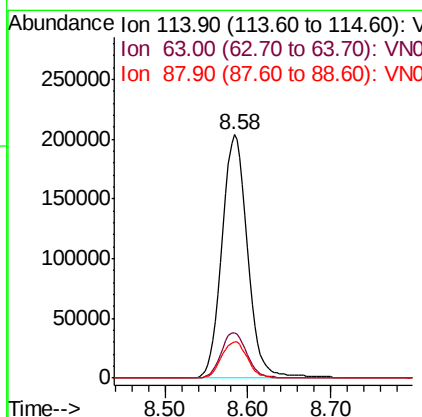
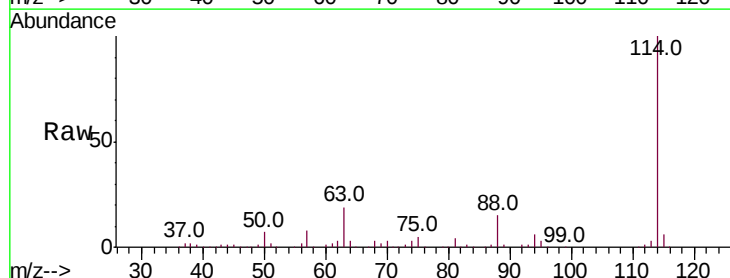
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437476		
63	18.6	0.0	39.2	
88	15.1	0.0	31.0	





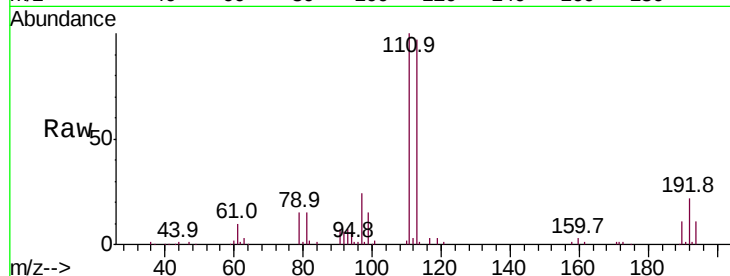
#35
 Dibromofluoromethane
 Concen: 52.382 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

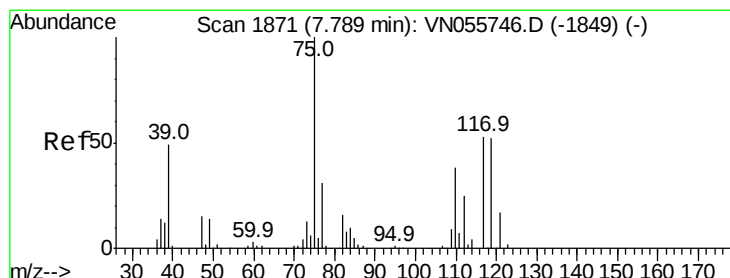
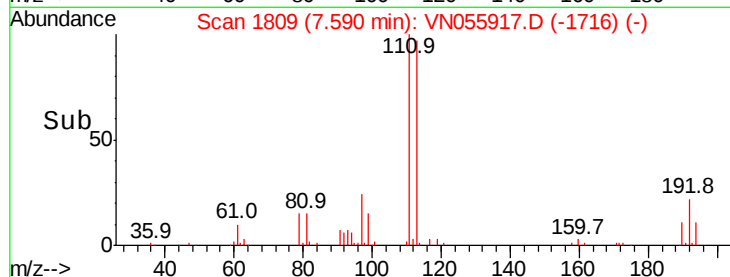
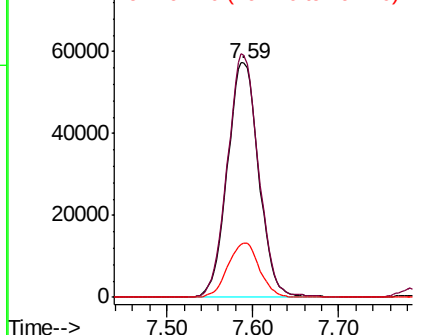
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.9	122.9	
192	23.2	19.5	29.3	

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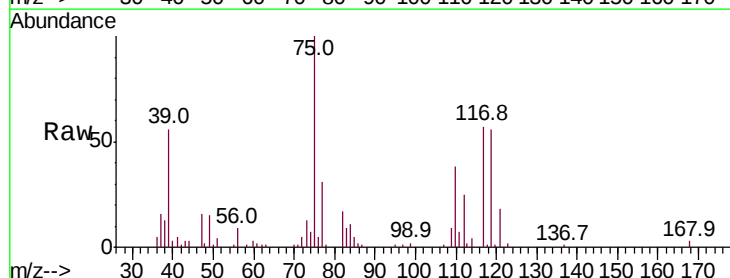


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

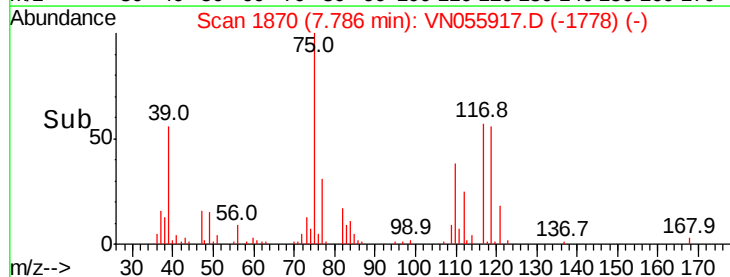
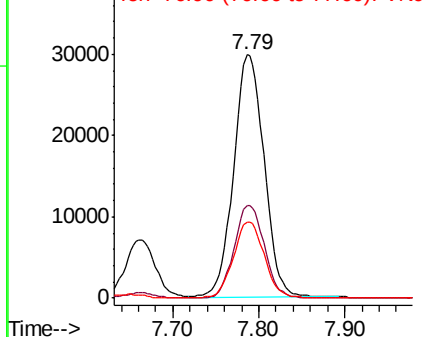


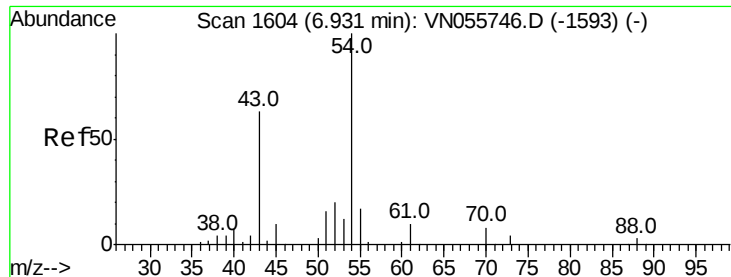
#36
 1,1-Dichloropropene
 Concen: 19.263 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	19.0	57.0	
77	31.8	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





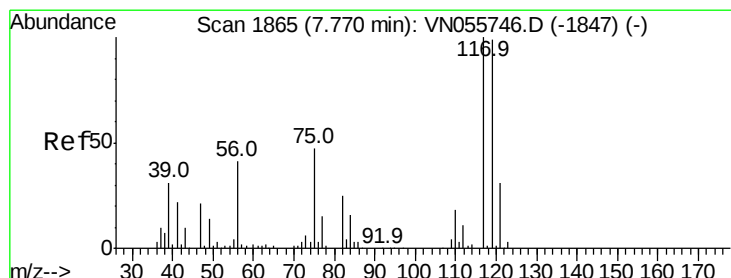
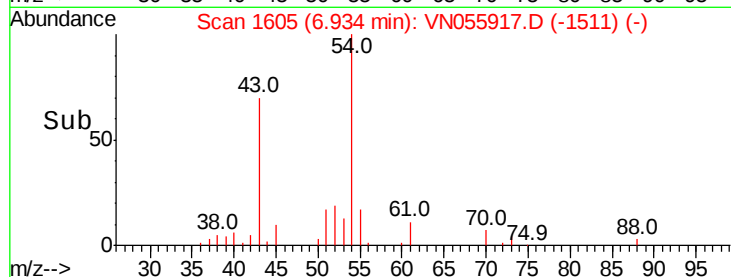
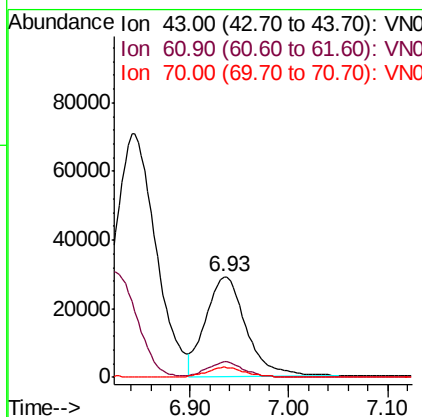
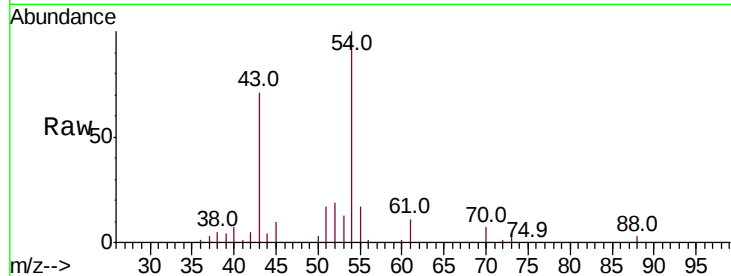
#37
Ethyl Acetate
Concen: 22.377 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion:	43	Resp:	82452
Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	9.8	8.9	13.3

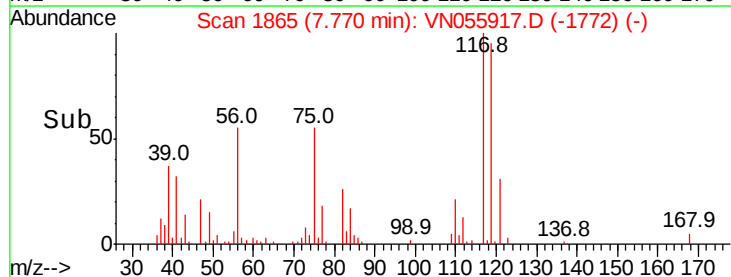
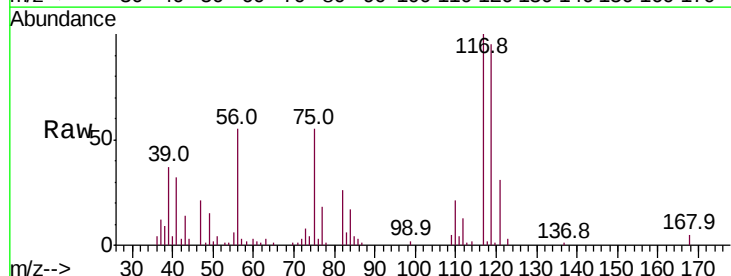
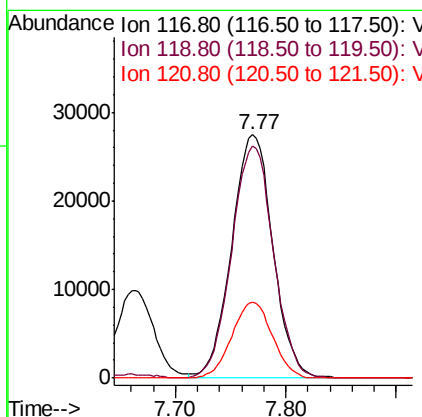
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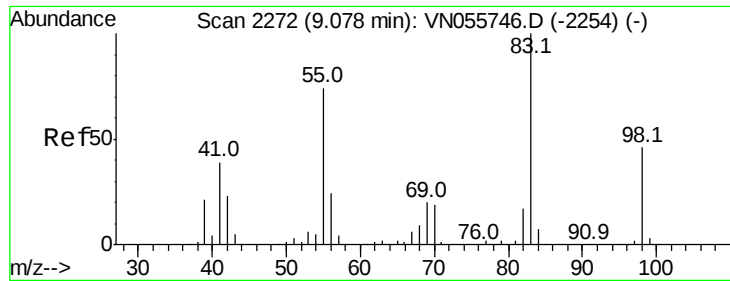
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#38
Carbon Tetrachloride
Concen: 17.958 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion:	117	Resp:	71315
Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.0	118.6
121	31.1	24.7	37.1





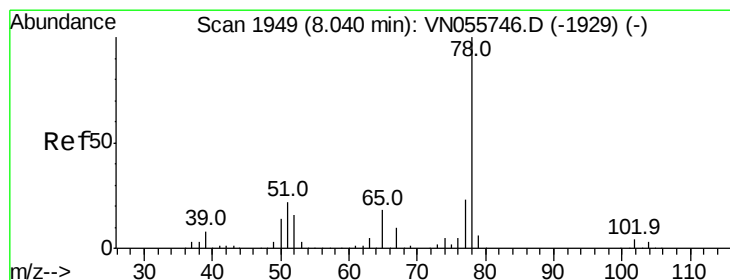
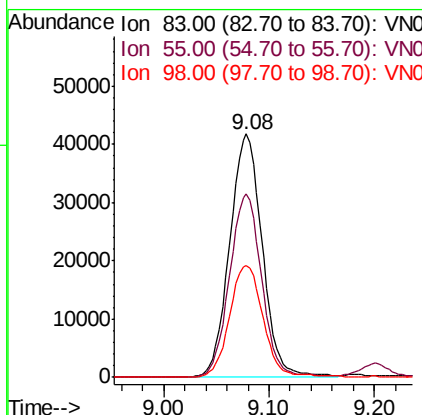
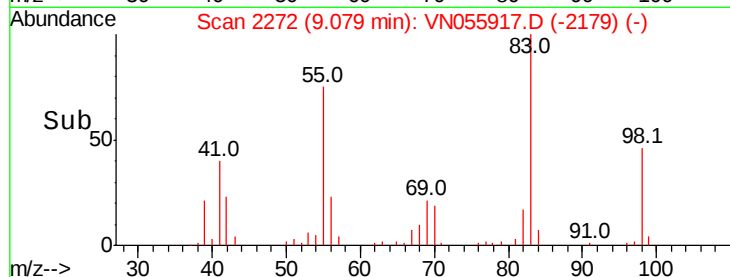
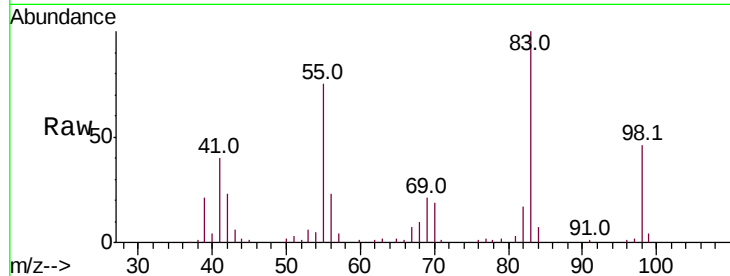
#39
Methvlcvclohexane
Concen: 19.004 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	83	Resp	89717
Ion Ratio	100	Lower	Upper
83	100		
55	75.4	59.3	88.9
98	45.8	36.6	54.8

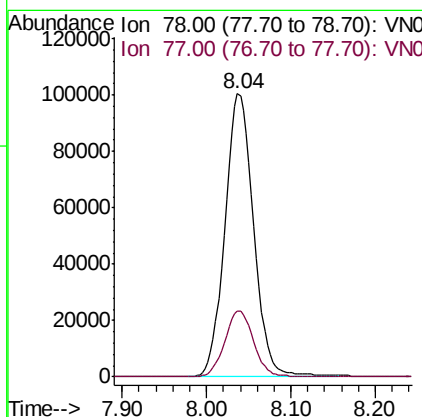
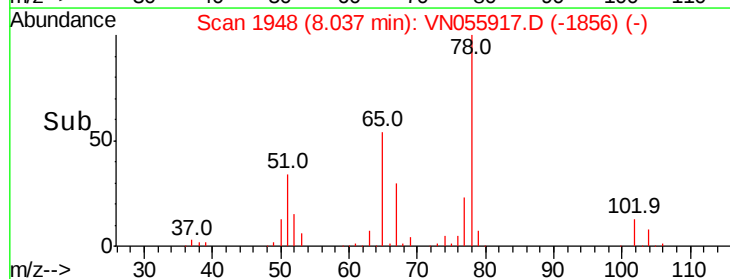
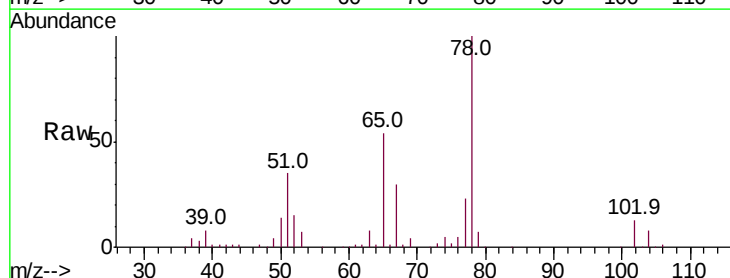
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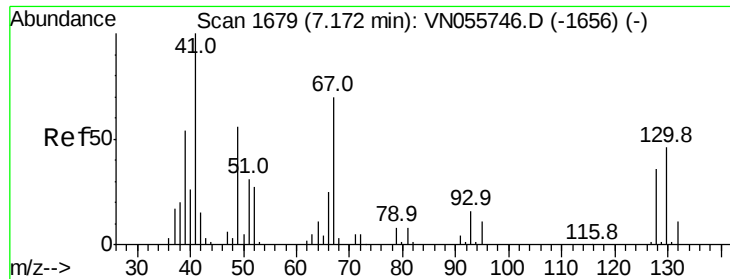
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#40
Benzene
Concen: 20.694 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	78	Resp	237777
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.8	28.2





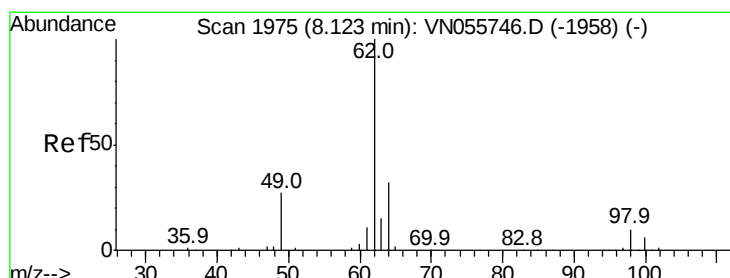
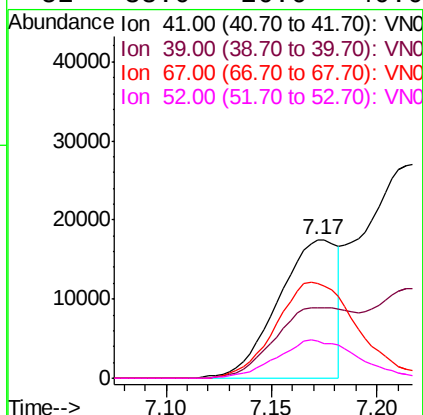
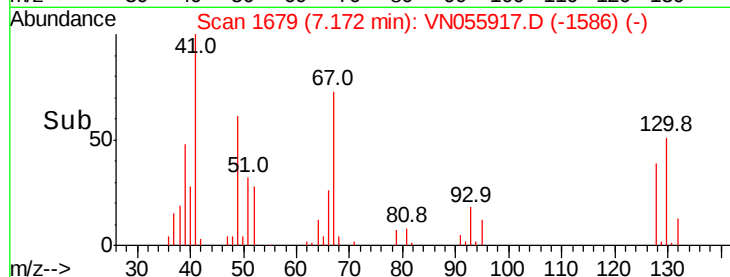
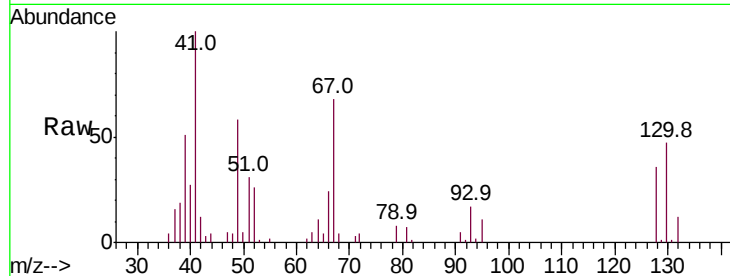
#41
Methacrylonitrile
Concen: 18.438 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	41	Resp	34323
Ion	Ratio	Lower	Upper
41	100		
39	67.6	45.6	68.4
67	96.2	67.7	101.5
52	38.0	26.6	40.0

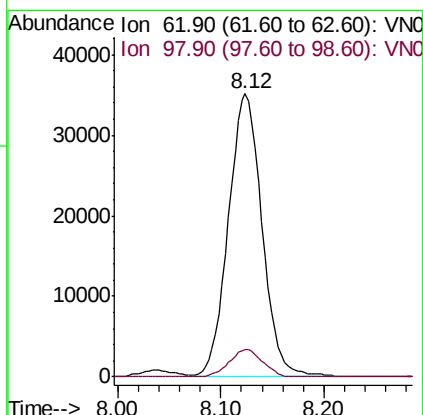
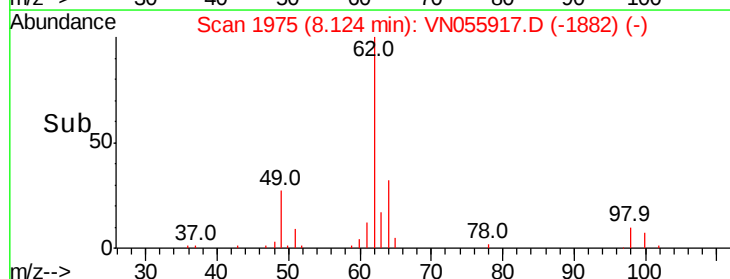
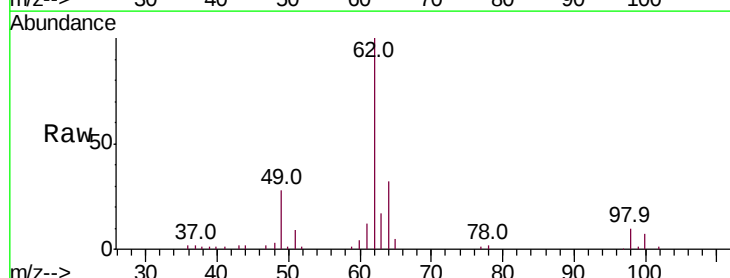
Manual Integrations
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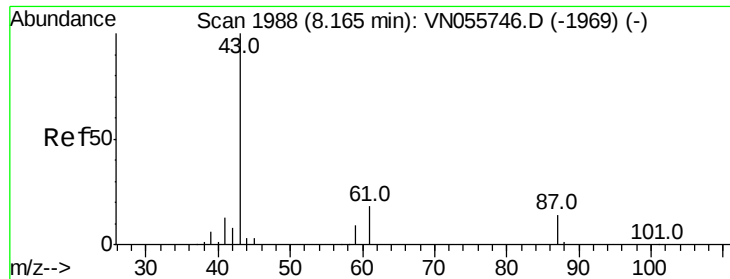
MMDadoda
6/3/2019 4:12:13 PM



#42
1,2-Dichloroethane
Concen: 21.325 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	62	Resp	80066
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.2





#43

Isopropyl Acetate

Concen: 20.527 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

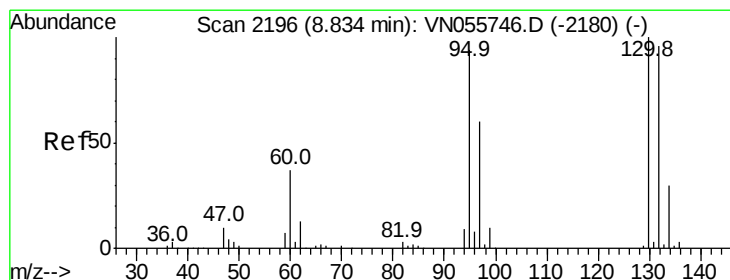
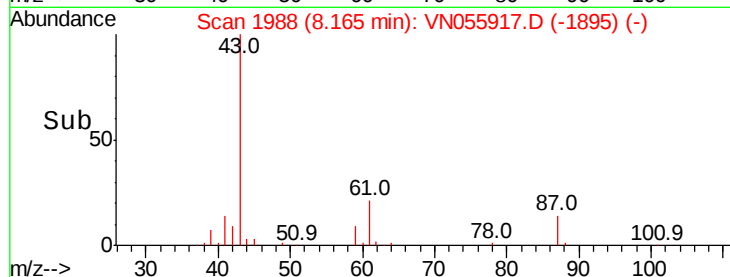
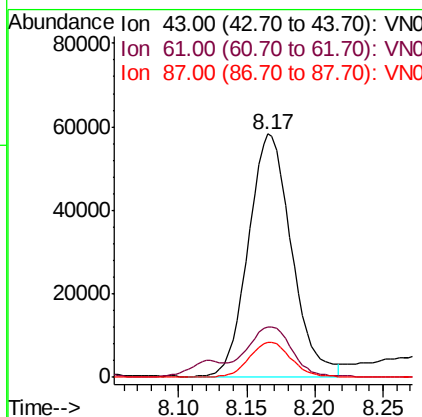
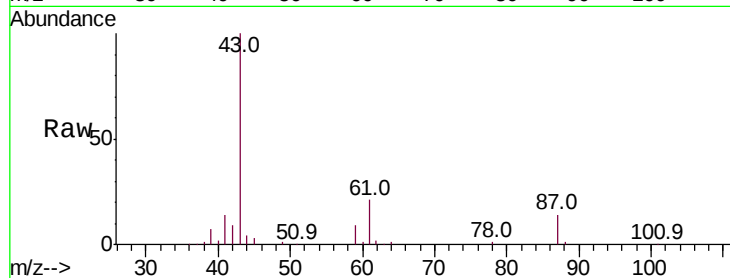
ClientSampleId :

VN0531WBSD01

Tot Ion:	43	Resp:	127084
Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.2	33.4#
87	14.2	11.4	17.2

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#44

Trichloroethene

Concen: 20.428 ug/l

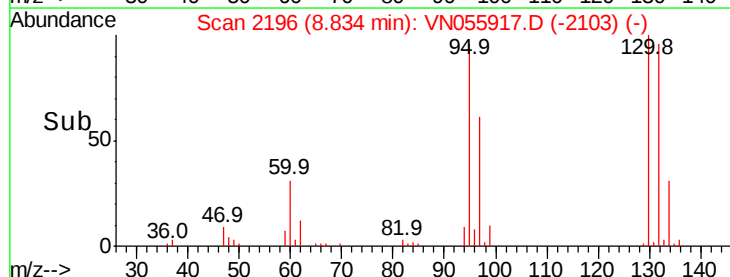
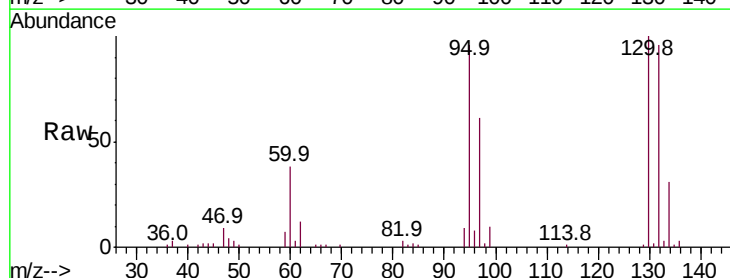
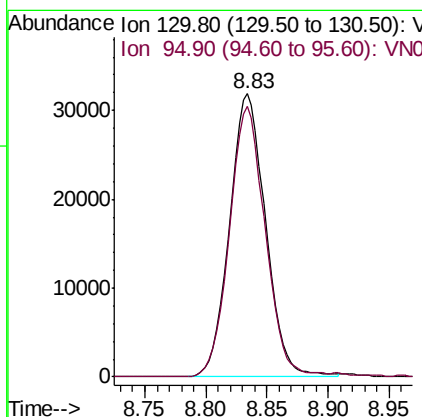
RT: 8.83 min Scan# 2196

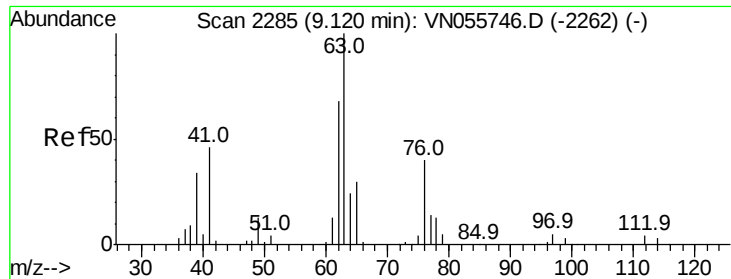
Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion:	130	Resp:	65434
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	188.0





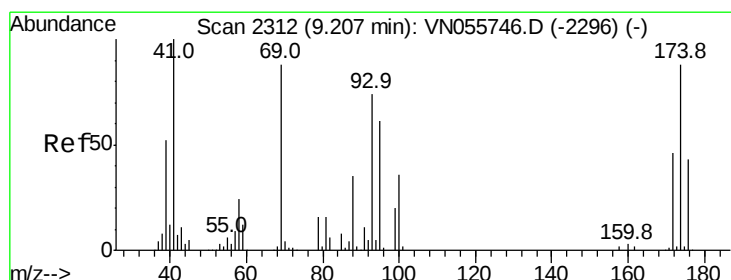
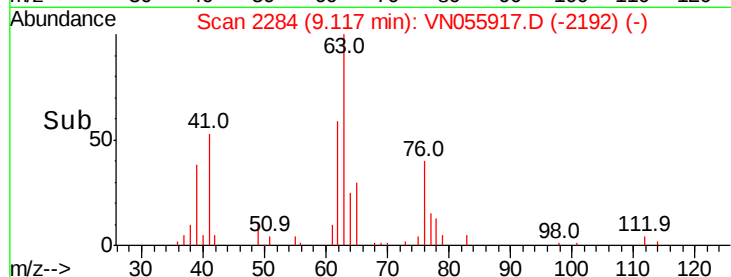
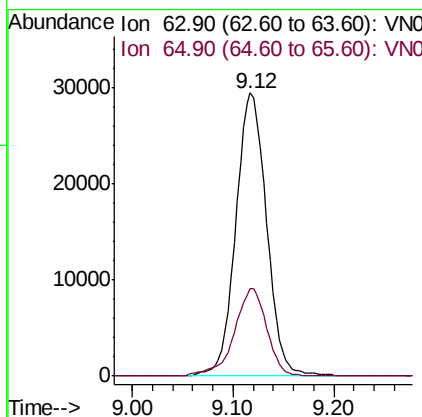
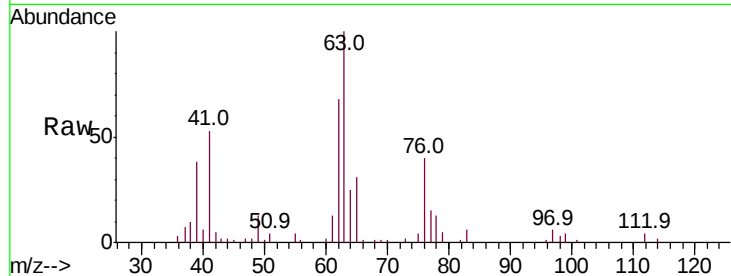
#45
 1,2-Dichloropropane
 Concen: 20.813 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion: 63 Resp: 62306
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8

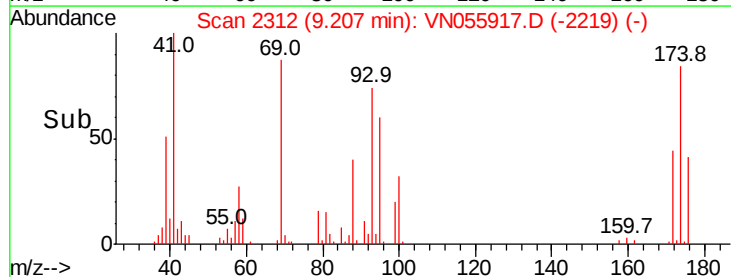
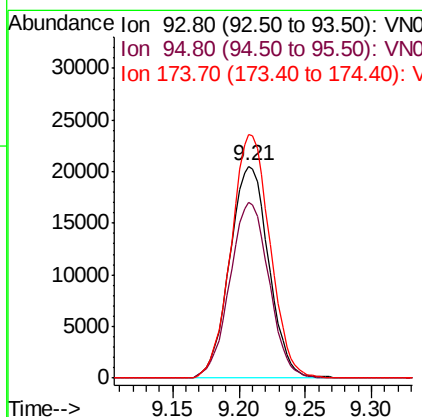
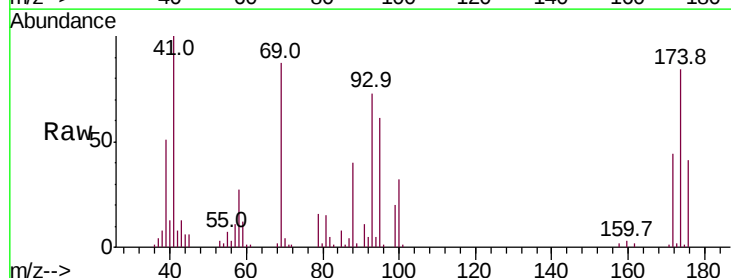
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#46
 Dibromomethane
 Concen: 21.413 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion: 93 Resp: 42040
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 114.6 96.4 144.6





#47

Bromodichloromethane

Concen: 19.455 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

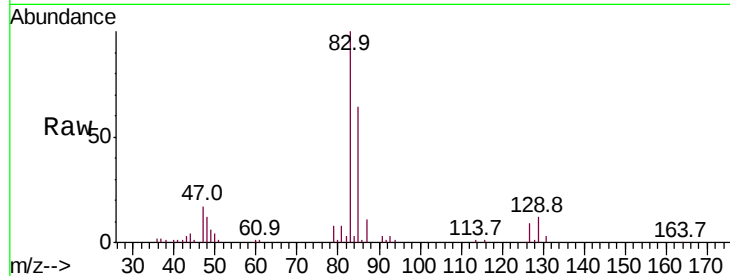
ClientSampleId :

VN0531WBSD01

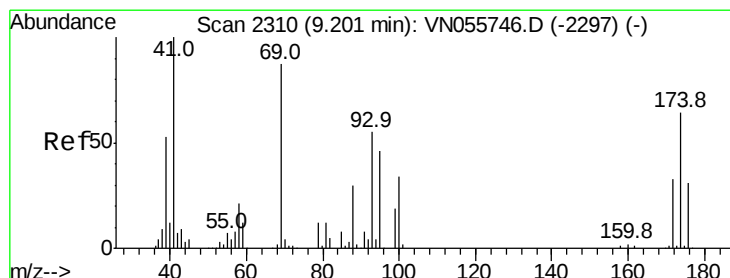
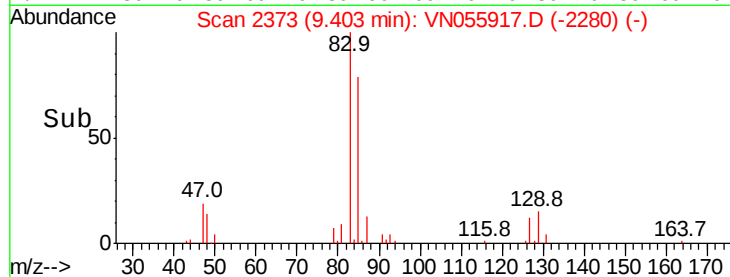
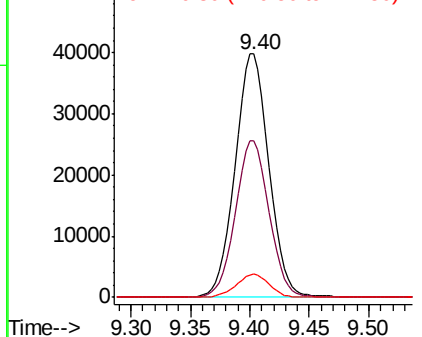
Tot Ion:	83	Resp:	78321
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.2
127	9.5	7.4	11.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055917.D (-2280) (-)



#48

Methyl methacrylate

Concen: 22.138 ug/l

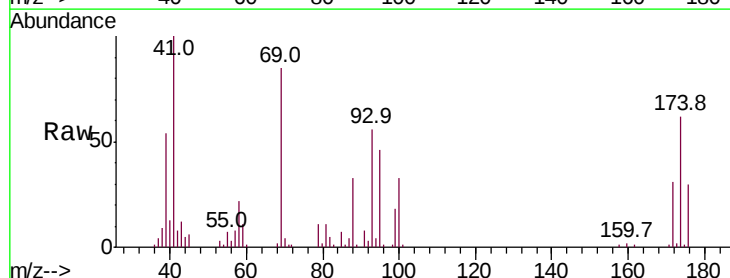
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

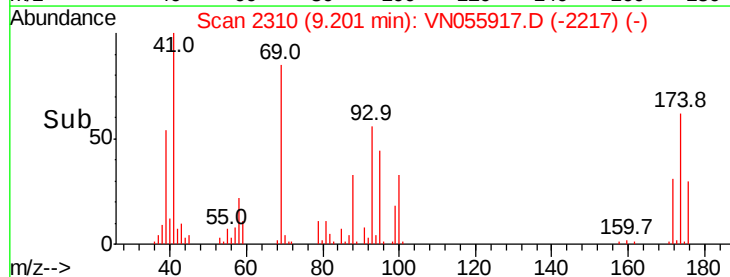
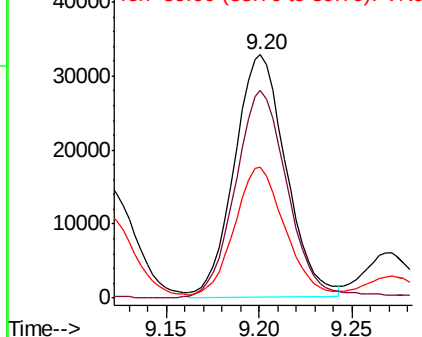
Lab File: VN055917.D

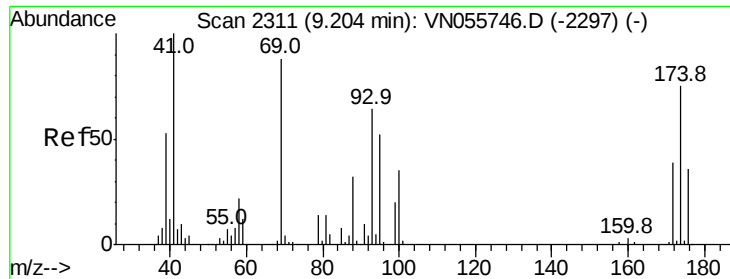
Acq: 31 May 2019 14:18

Tgt Ion:	41	Resp:	63165
Ion Ratio	Lower	Upper	
41	100		
69	87.7	71.0	106.6
39	52.7	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055917.D (-2217) (-)





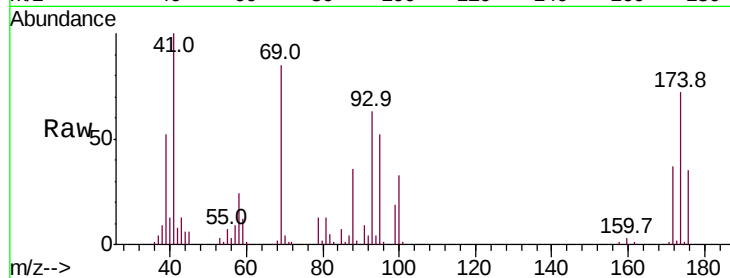
#49
1,4-Dioxane
Concen: 464.338 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	20.5	30.7
58	65.2	55.8	83.6

Manual Integrations
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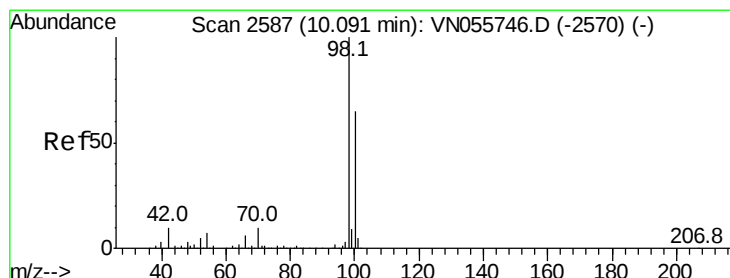
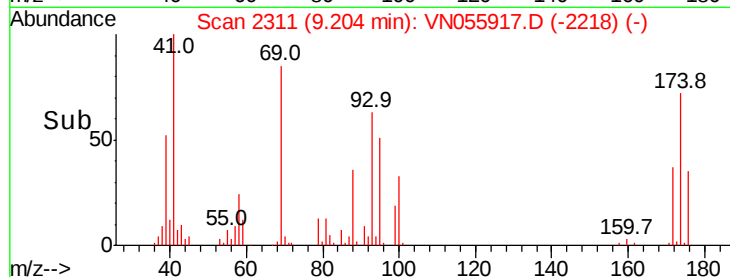
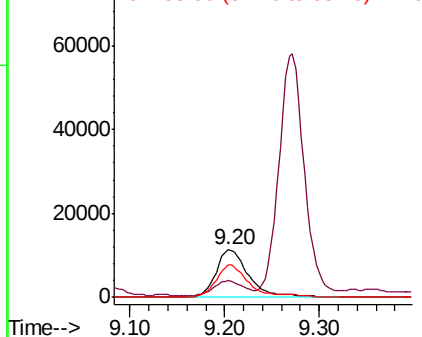


Abundance

Ion 88.00 (87.70 to 88.70): VN0

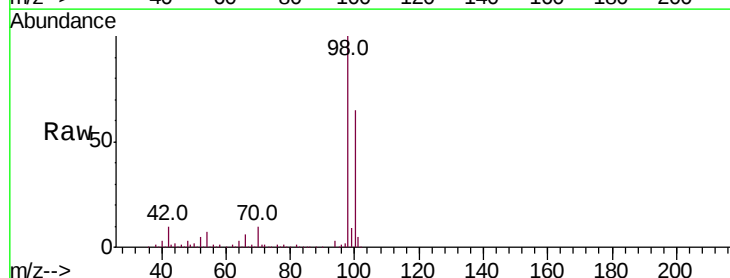
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 52.002 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

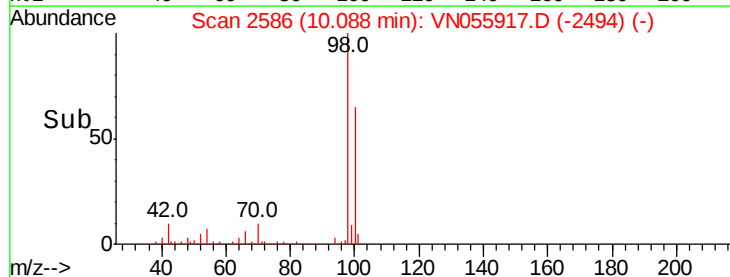
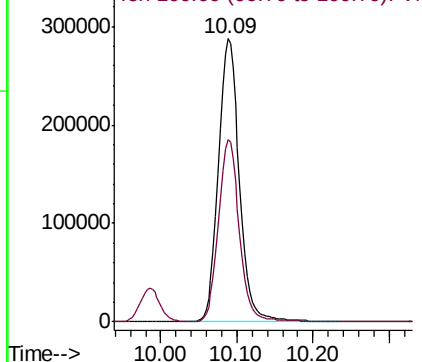
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.9	77.9

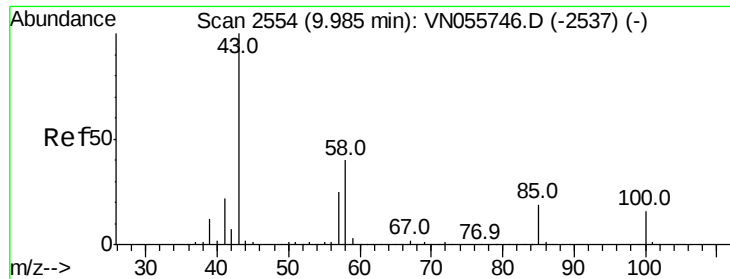


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





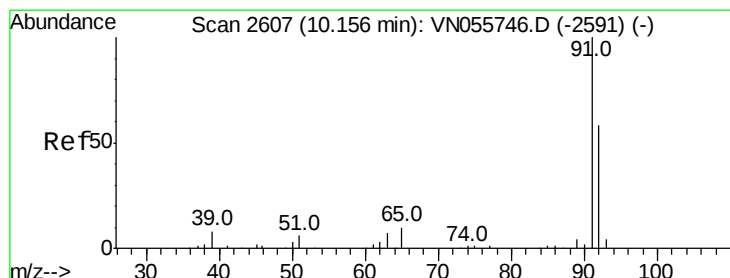
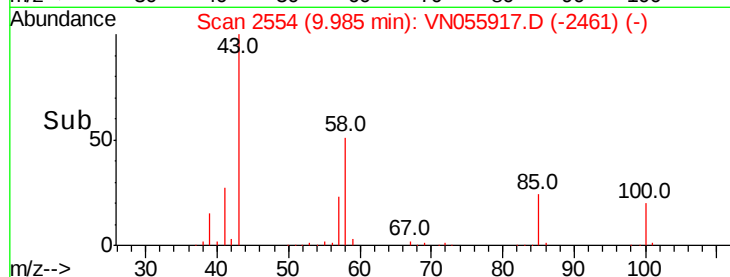
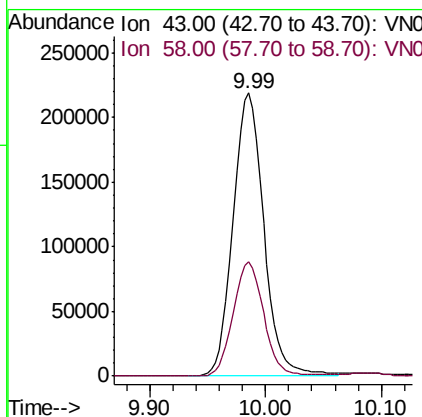
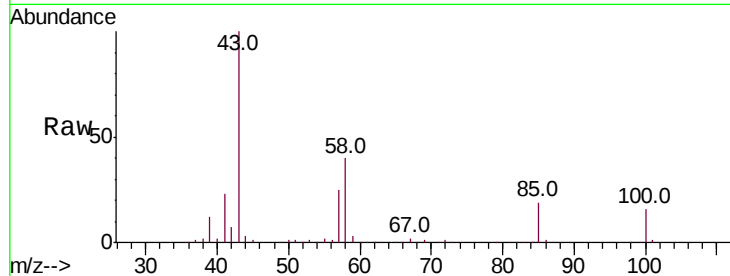
#51
4-Methyl-2-Pentanone
Concen: 109.461 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleID :
VN0531WBSD01

Tot Ion: 43 Resp: 400232
Ion Ratio Lower Upper
43 100
58 40.6 32.1 48.1

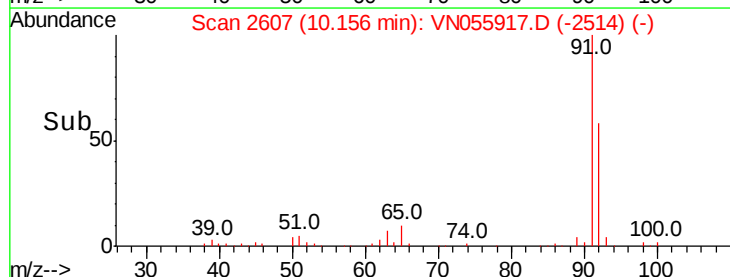
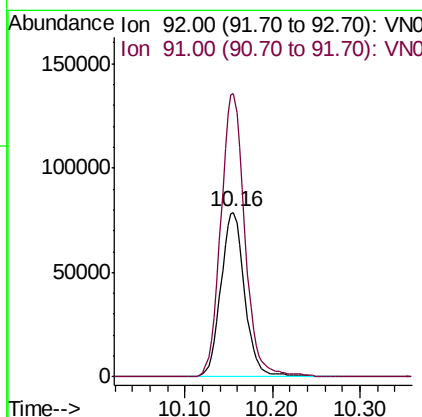
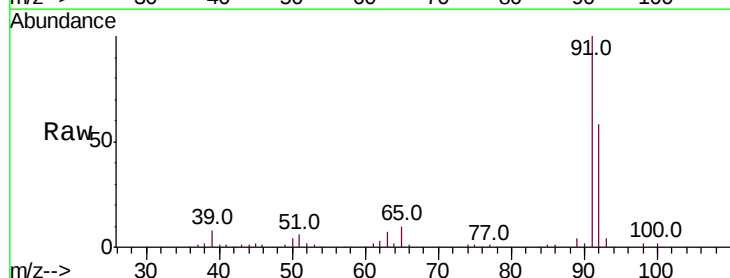
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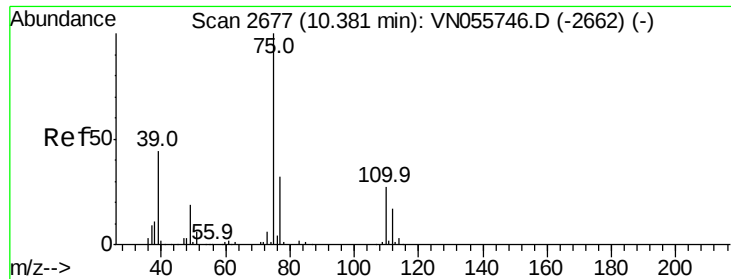
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#52
Toluene
Concen: 20.741 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 92 Resp: 149880
Ion Ratio Lower Upper
92 100
91 172.8 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 18.286 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion: 75 Resp: 78577

Ion Ratio Lower Upper

75 100

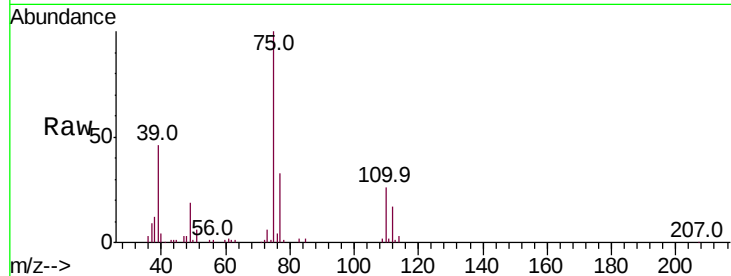
77 32.3 25.8 38.6

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

40000

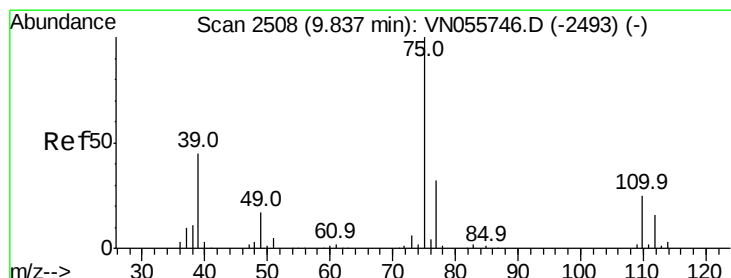
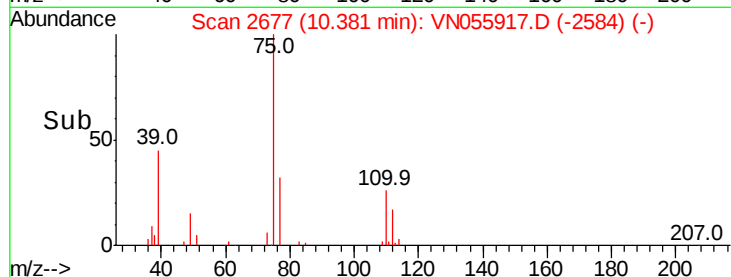
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.162 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

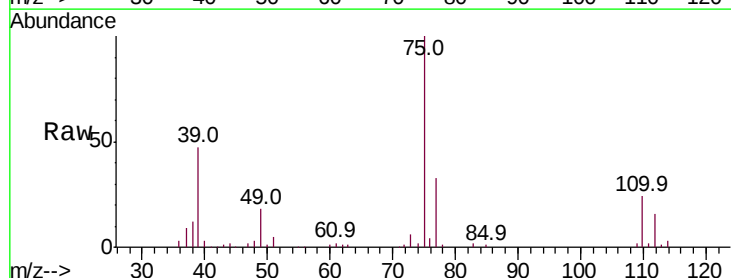
Tgt Ion: 75 Resp: 91216

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0

39 46.6 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

60000

50000

40000

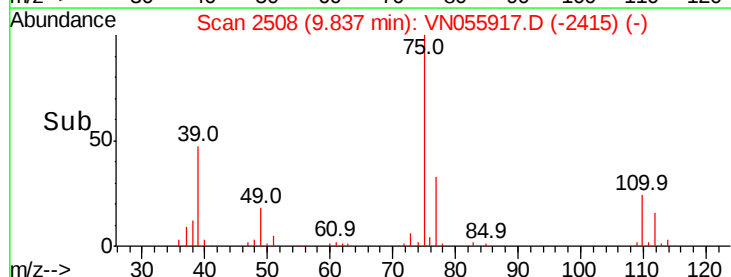
30000

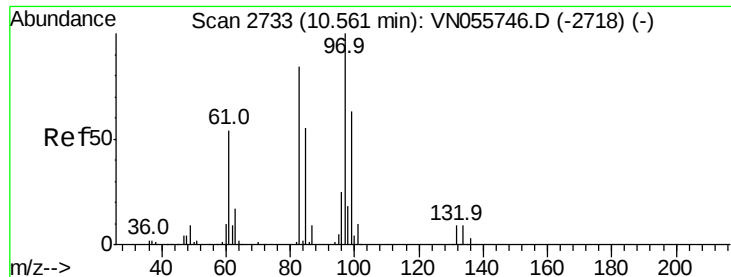
20000

10000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.722 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion: 97 Resp: 62883

Ion Ratio Lower Upper

97 100

83 80.5 67.0 100.6

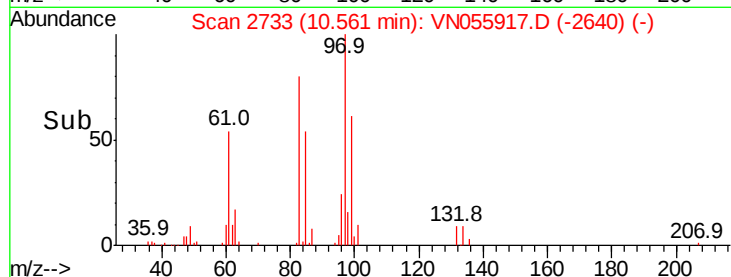
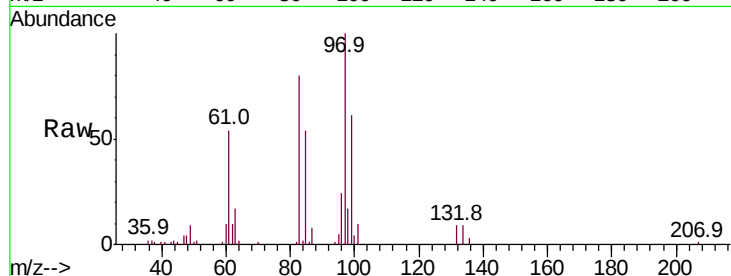
85 54.2 44.0 66.0

99 60.7 50.6 75.8

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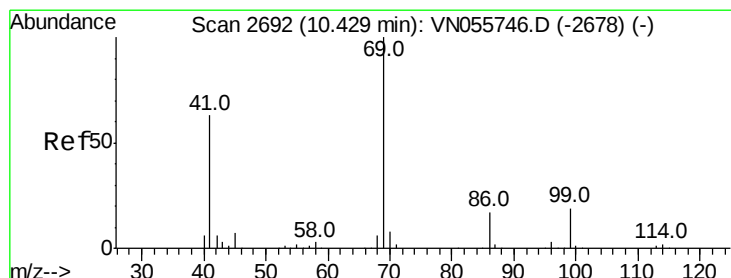
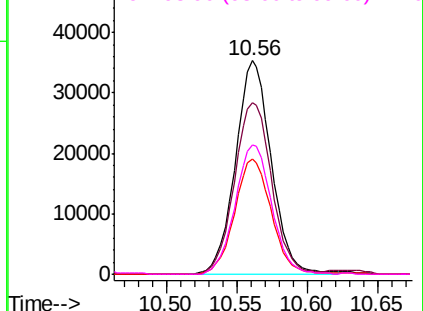


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.014 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

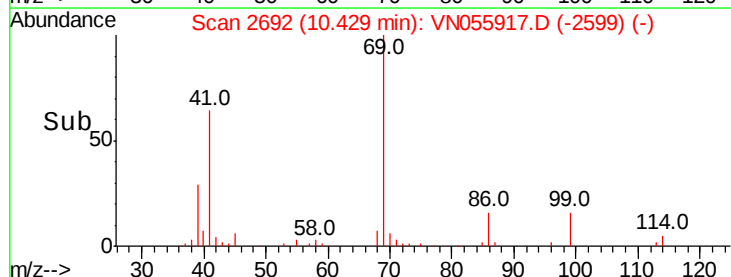
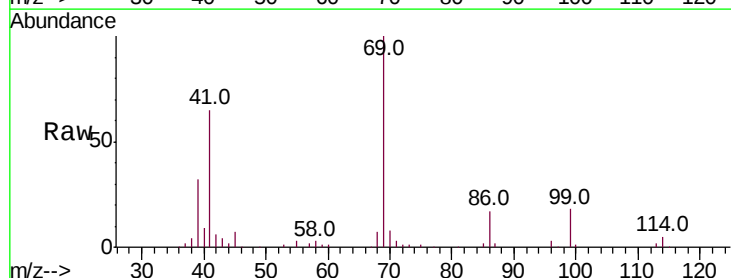
Tgt Ion: 69 Resp: 94016

Ion Ratio Lower Upper

69 100

41 65.2 49.7 74.5

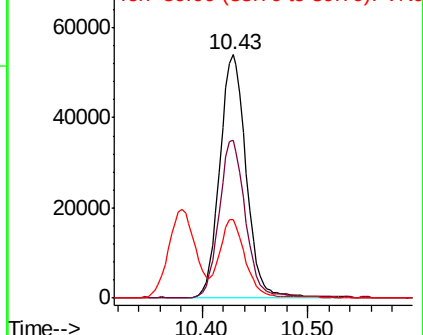
39 29.7 24.7 37.1

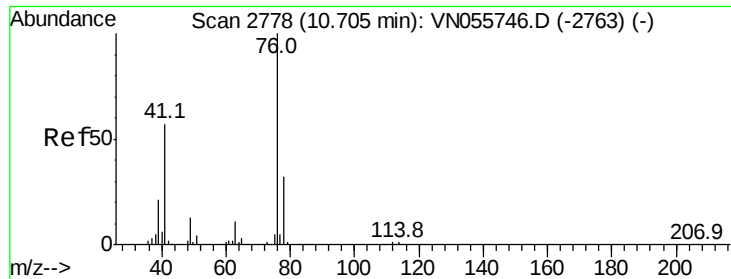


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.371 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion: 76 Resp: 100565

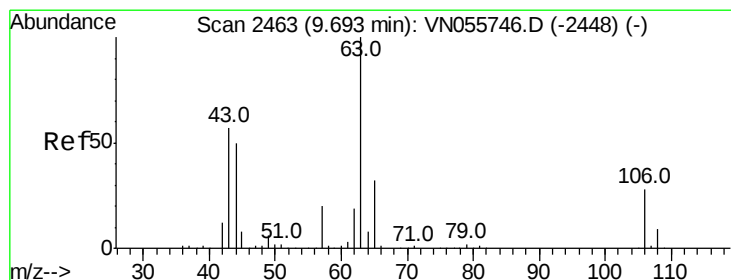
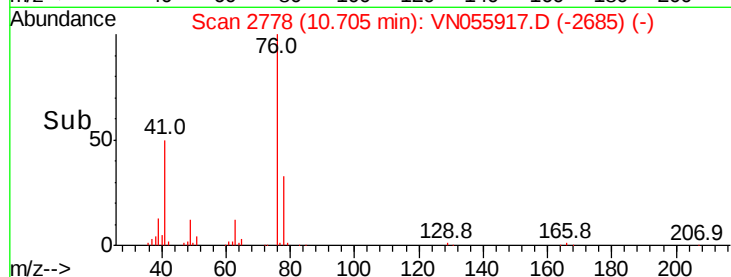
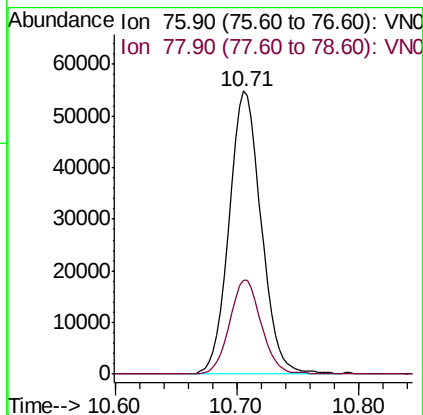
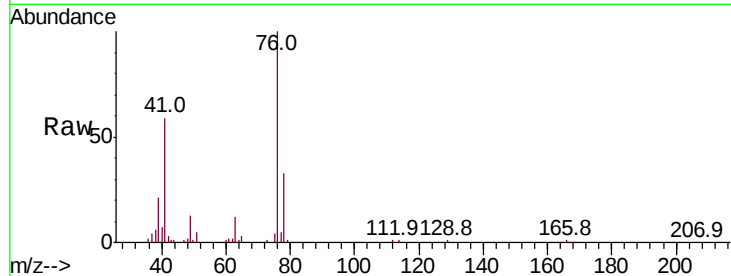
Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.6

Manual Integrations
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6/3/2019 4:12:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 95.840 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055917.D

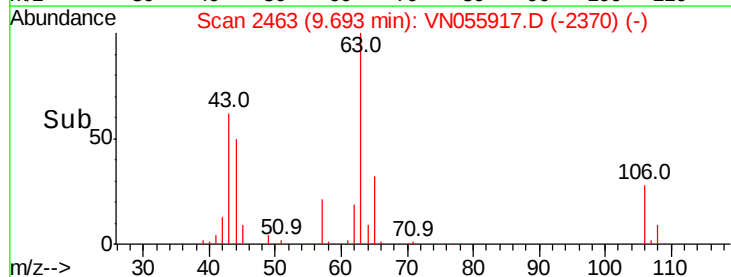
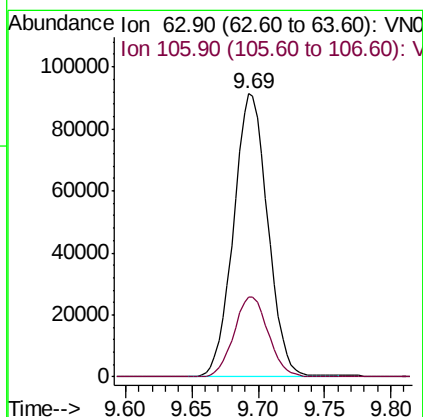
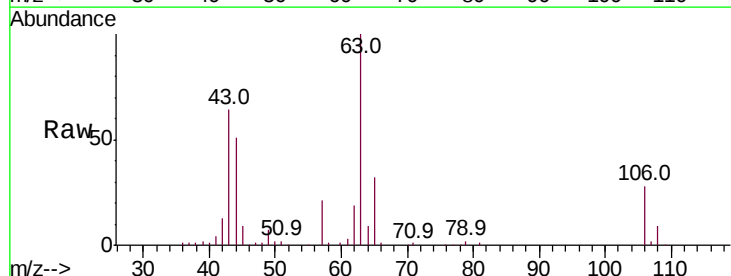
Acq: 31 May 2019 14:18

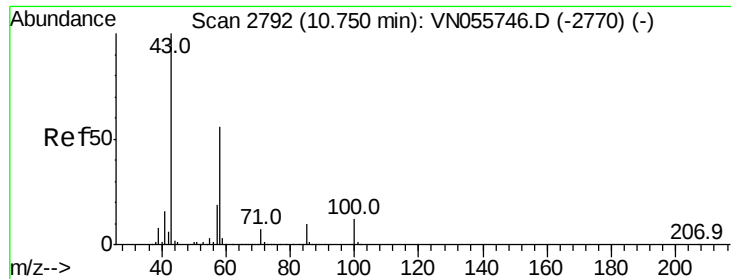
Tgt Ion: 63 Resp: 163867

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1





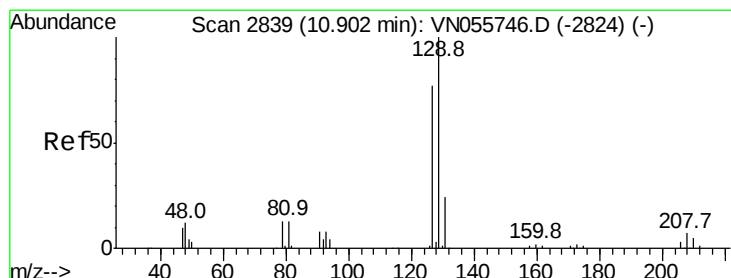
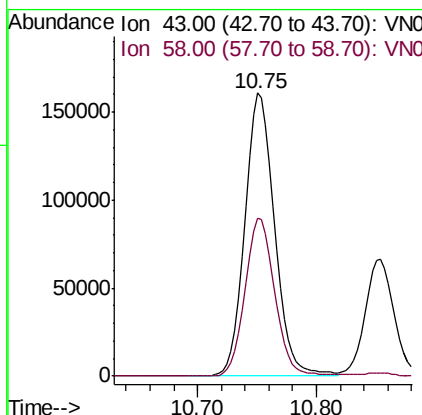
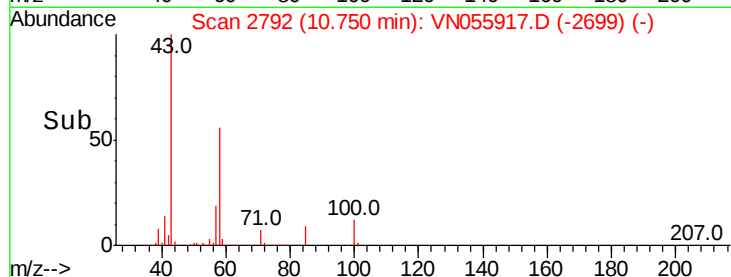
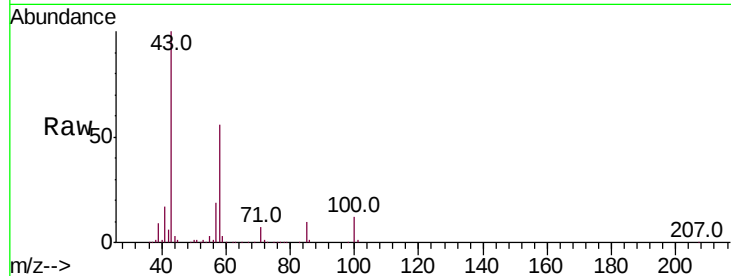
#59
2-Hexanone
Concen: 106.917 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	43	58	Ratio	100	56.2	Resp	277329	Lower	28.2	Upper	84.7
Ion	43	58	Ratio	100	56.2	Resp	277329	Lower	28.2	Upper	84.7

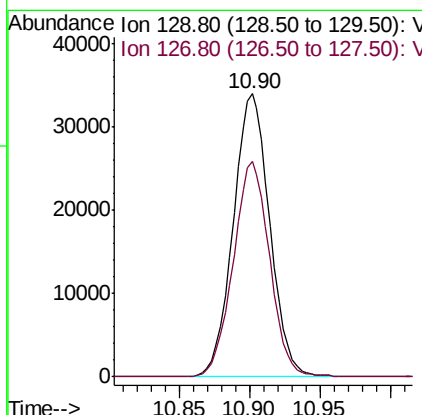
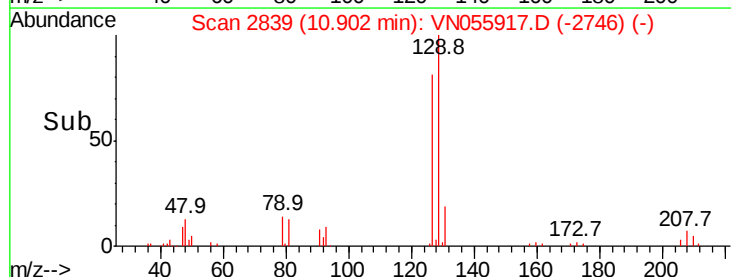
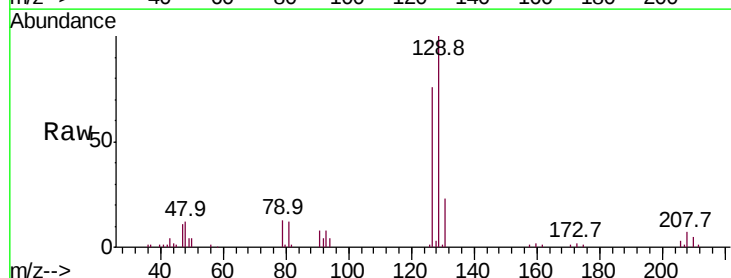
Manual Integrations
APPROVED

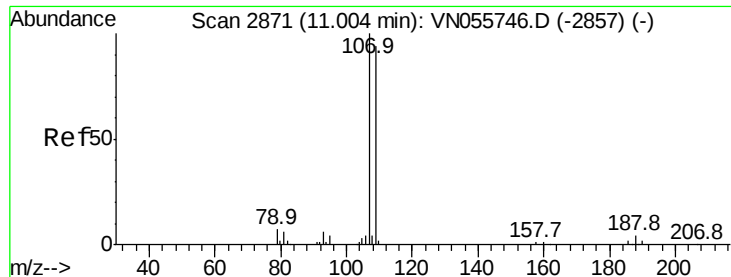
MMDadoda
6/3/2019 4:12:13 PM



#60
Dibromochloromethane
Concen: 18.233 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	129	127	Ratio	100	76.0	Resp	61491	Lower	38.1	Upper	114.3
Ion	129	127	Ratio	100	76.0	Resp	61491	Lower	38.1	Upper	114.3





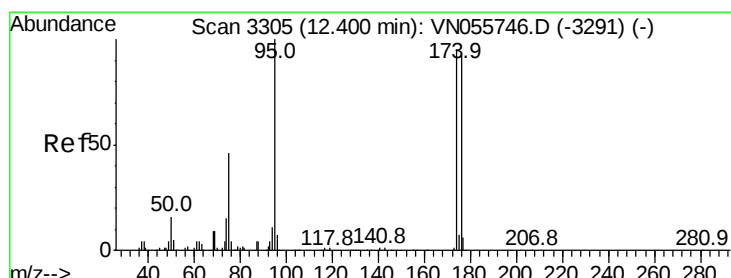
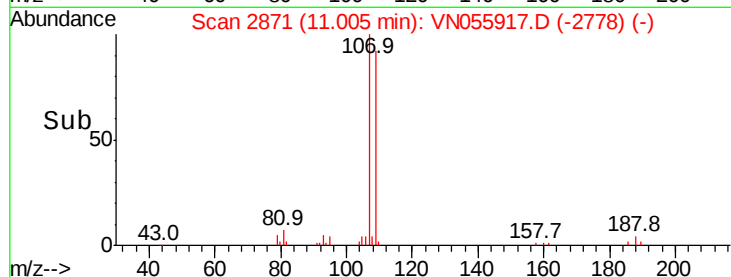
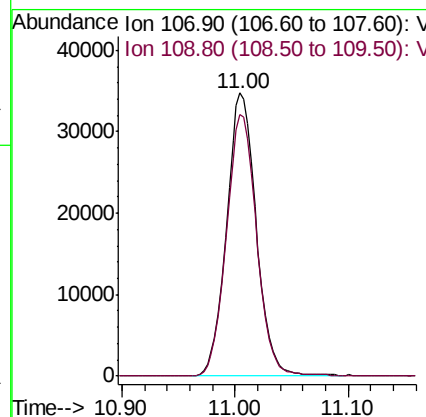
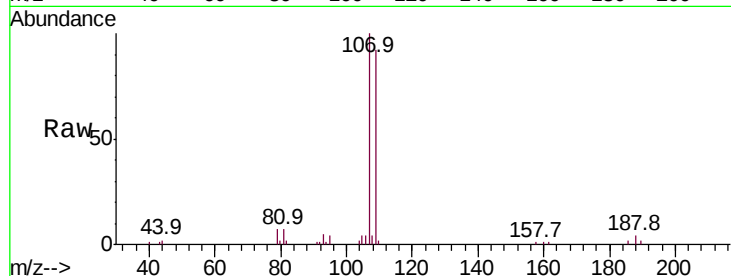
#61
 1,2-Dibromoethane
 Concen: 21.080 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.8	112.2

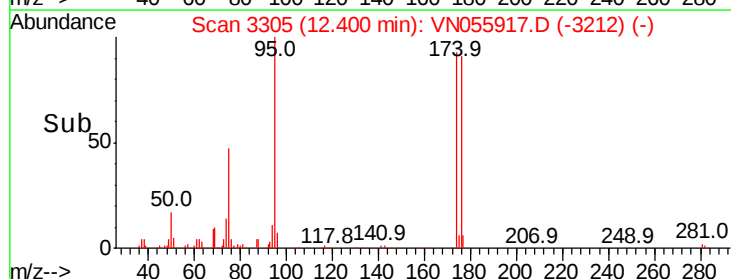
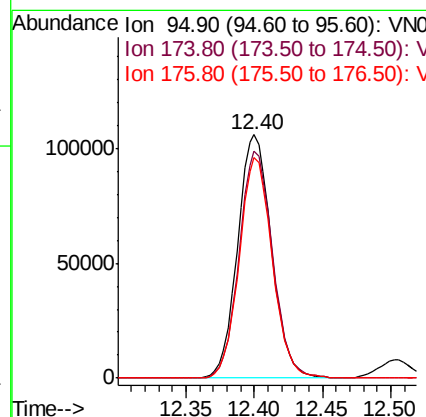
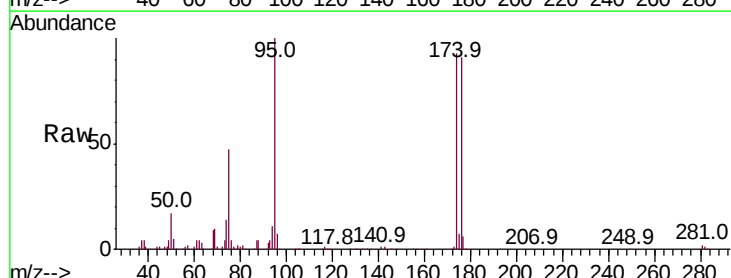
Manual Integrations
 APPROVED

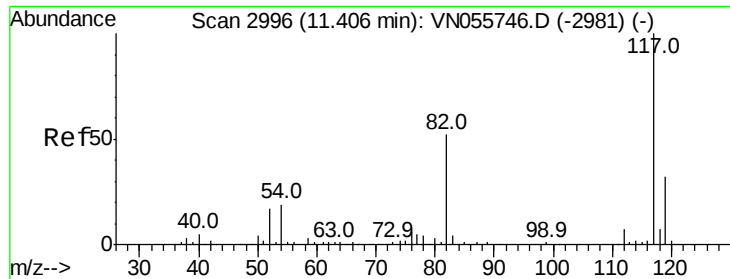
MMDadoda
 6/3/2019 4:12:13 PM



#62
 4-Bromofluorobenzene
 Concen: 50.151 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	191.0
176	88.9	0.0	185.2





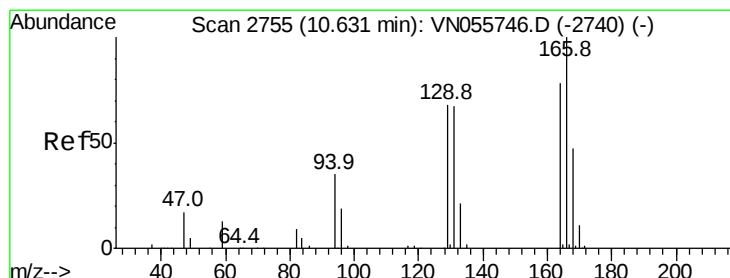
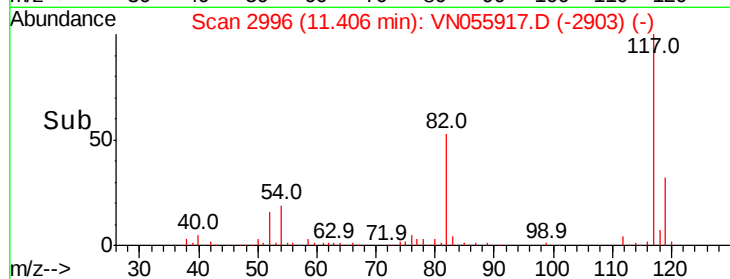
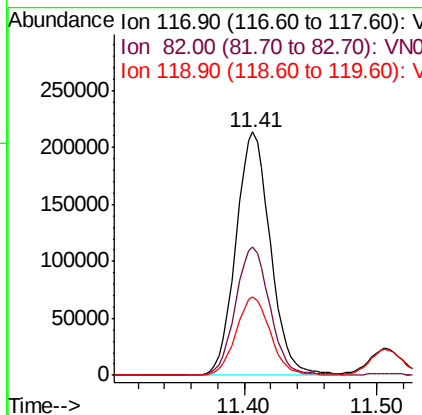
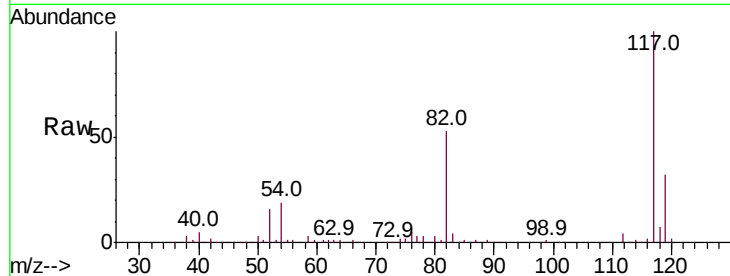
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.7	41.8	62.8	
119	32.0	25.4	38.0	

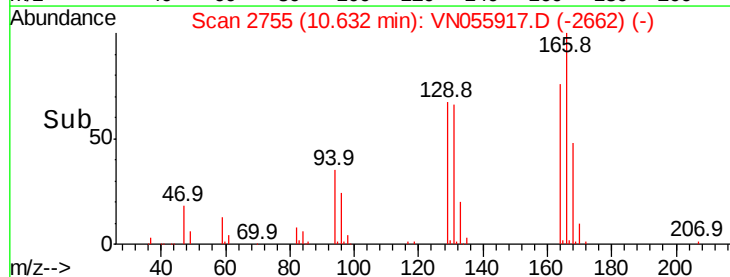
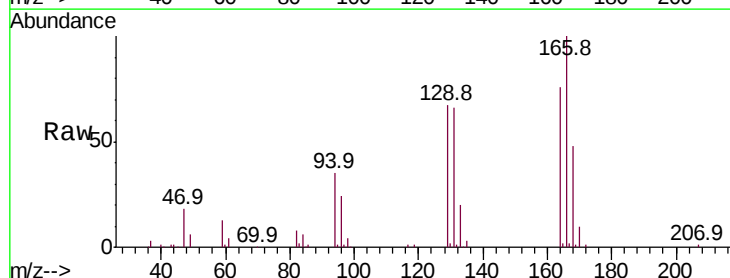
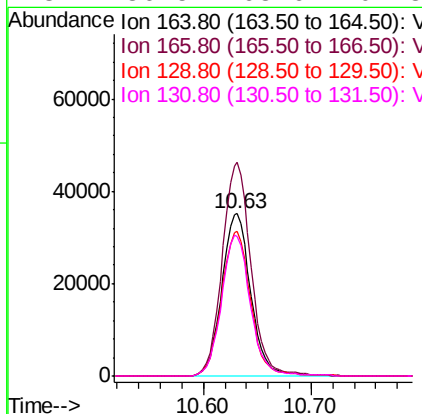
Manual Integrations
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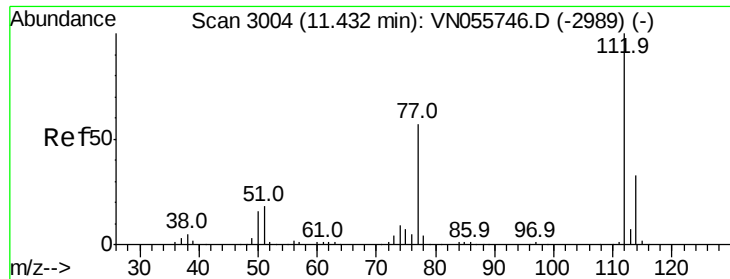
MMDadoda
6/3/2019 4:12:13 PM



#64
Tetrachloroethene
Concen: 20.243 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	131.8	103.0	154.6	
129	89.0	70.6	105.8	
131	86.5	68.6	102.8	





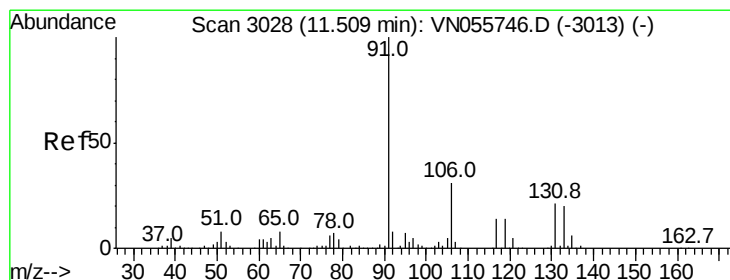
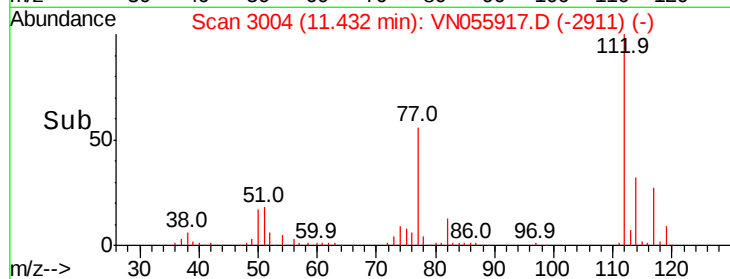
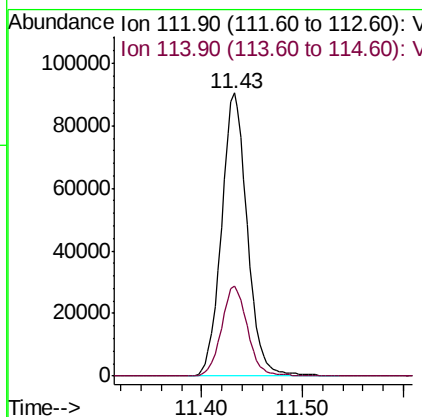
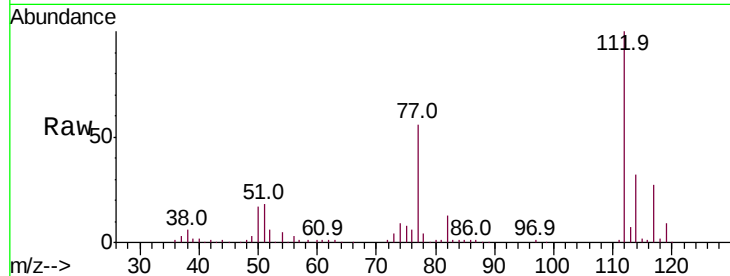
#65
Chlorobenzene
Concen: 20.917 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

Tot Ion:112 Resp: 161455
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4

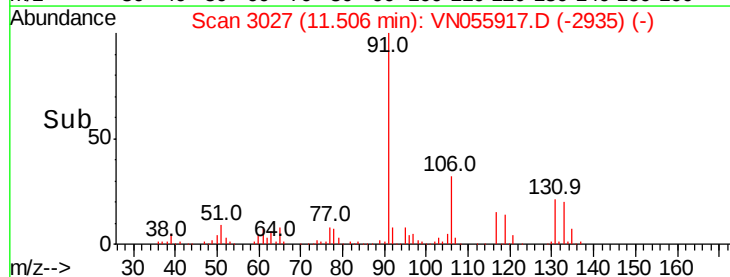
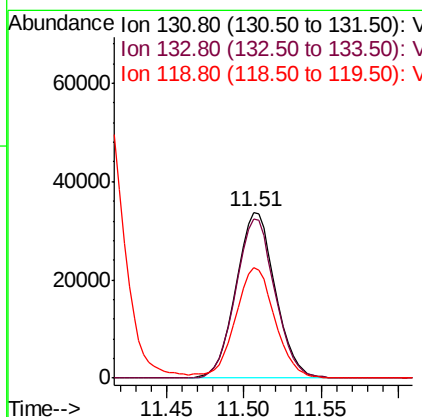
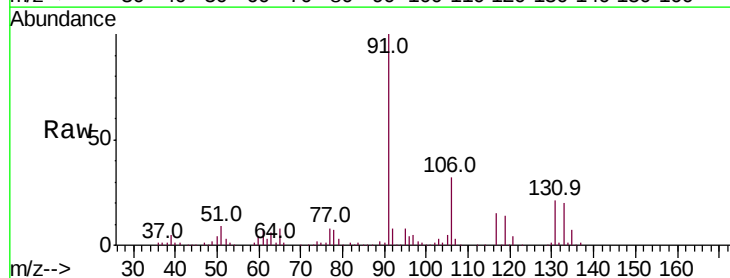
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.341 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion:131 Resp: 59542
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 67.0 33.1 99.5





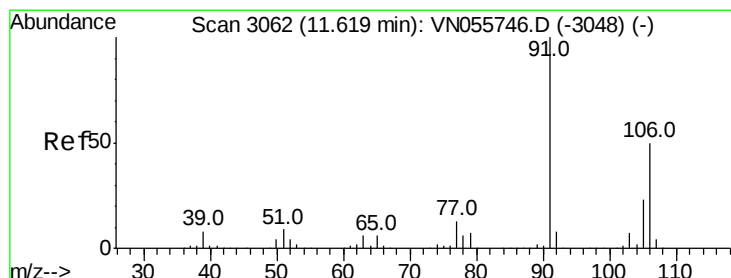
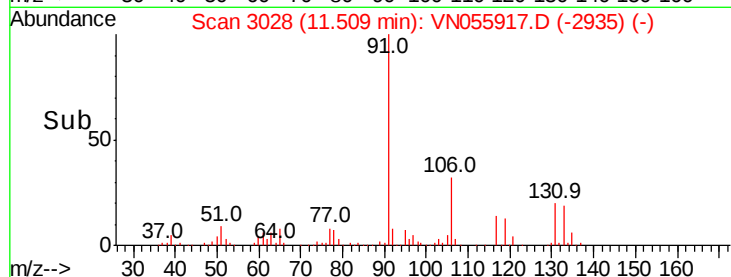
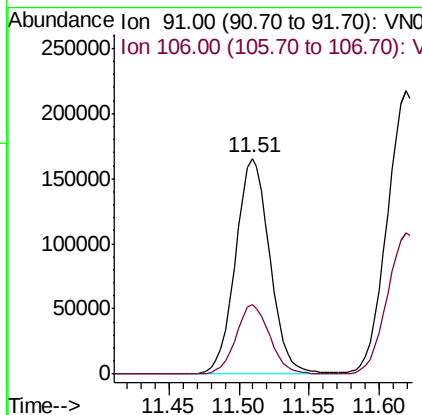
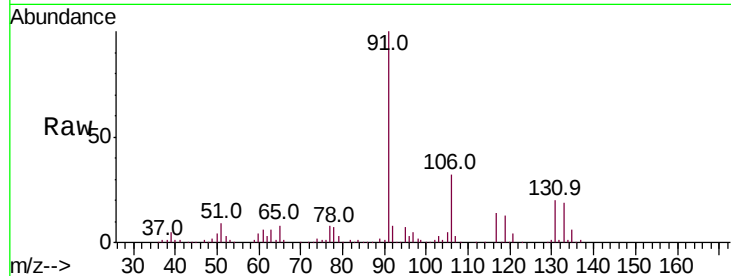
#67
Ethyl Benzene
Concen: 20.422 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

Tot Ion: 91 Resp: 282693
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7

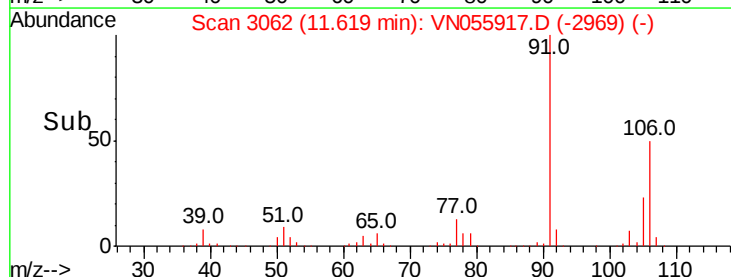
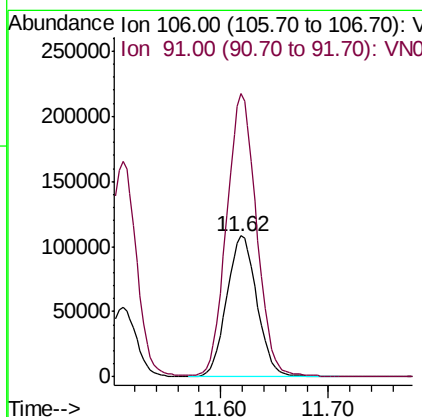
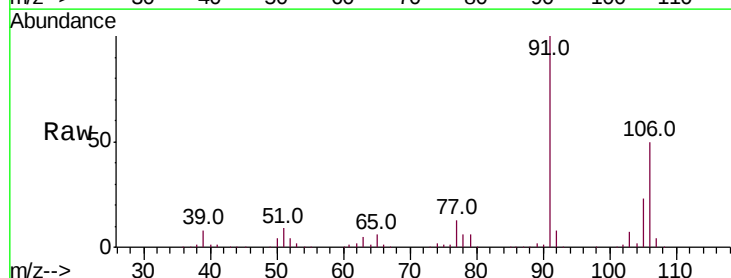
Manual Integrations
APPROVED

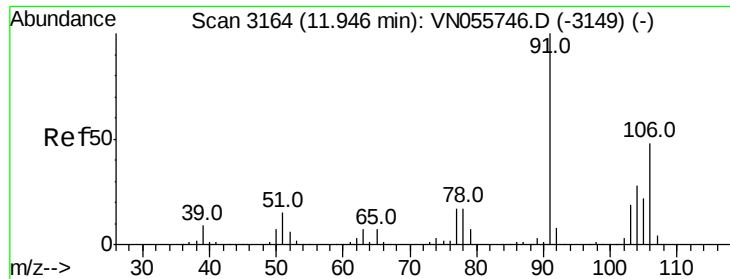
MMDadoda
6/3/2019 4:12:13 PM



#68
m/p-Xylenes
Concen: 40.663 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion: 106 Resp: 212795
Ion Ratio Lower Upper
106 100
91 198.2 159.3 238.9





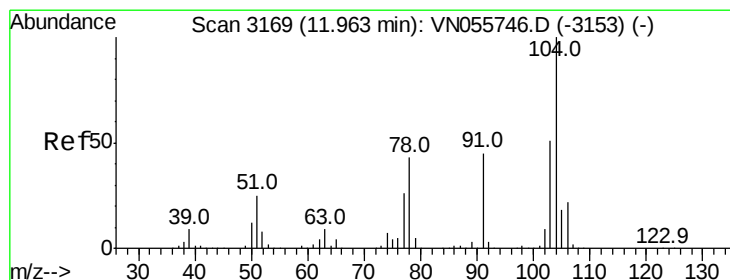
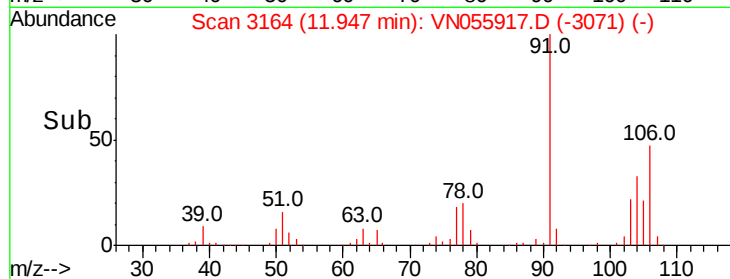
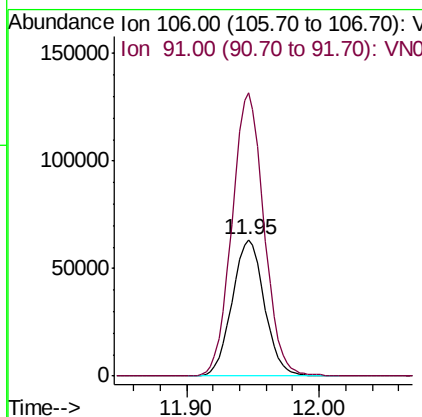
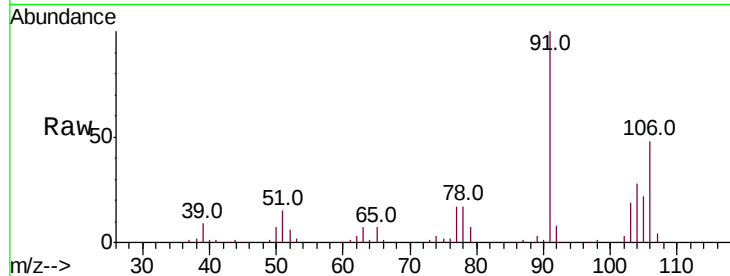
#69
o-Xylene
Concen: 20.700 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VN0531WBSD01

Tot Ion:106 Resp: 107475
Ion Ratio Lower Upper
106 100
91 205.5 104.7 314.1

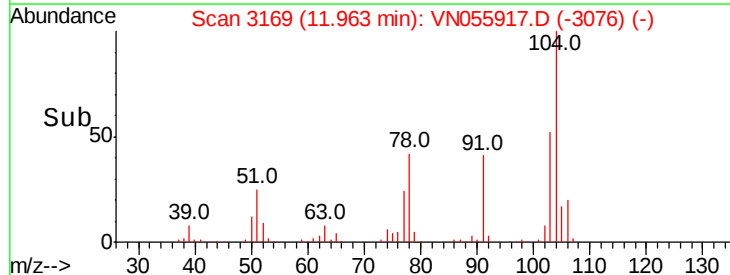
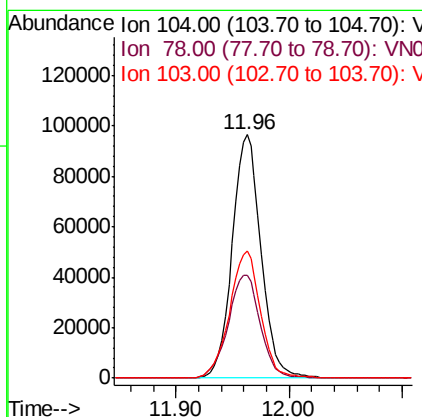
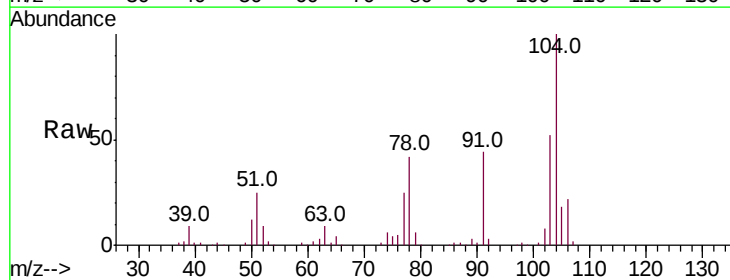
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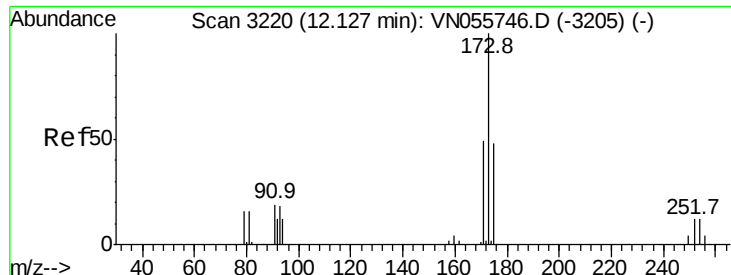
MMDadoda
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#70
Styrene
Concen: 20.323 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion:104 Resp: 170871
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 56.0 44.2 66.2





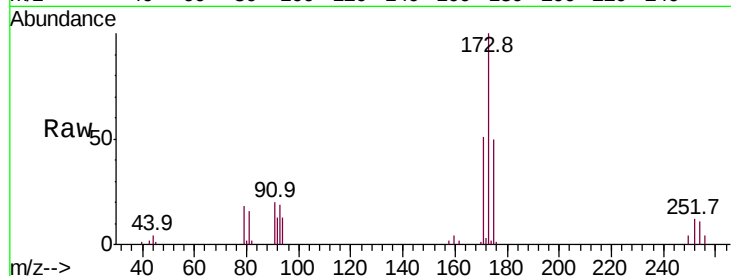
#71
Bromoform
Concen: 16.152 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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6/3/2019 4:12:13 PM

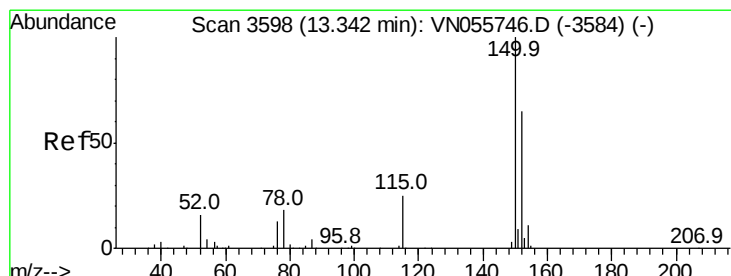
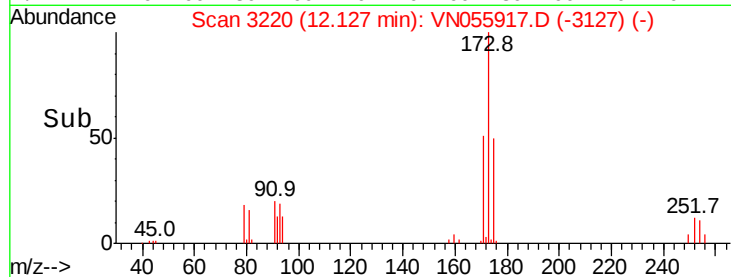
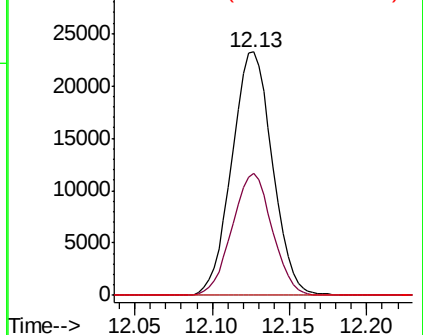


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

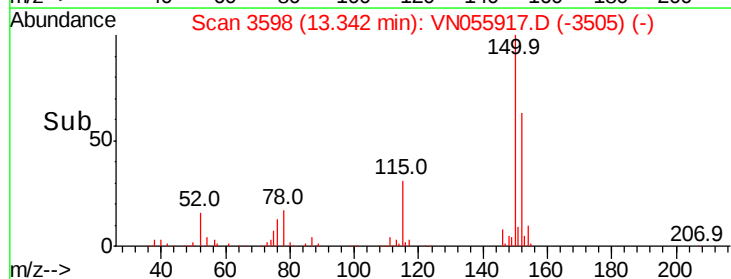
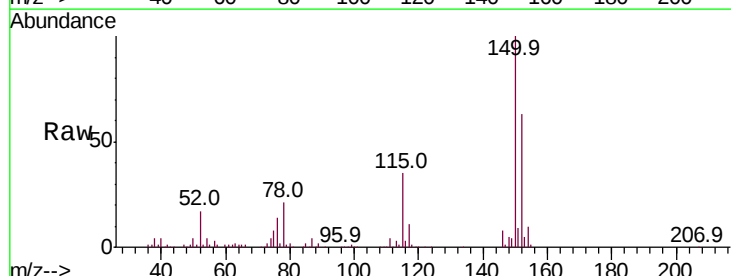
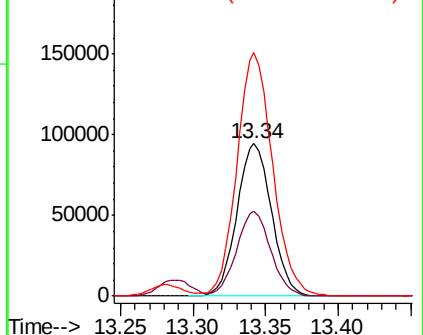
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.0	81.0
150	164.4	0.0	343.2

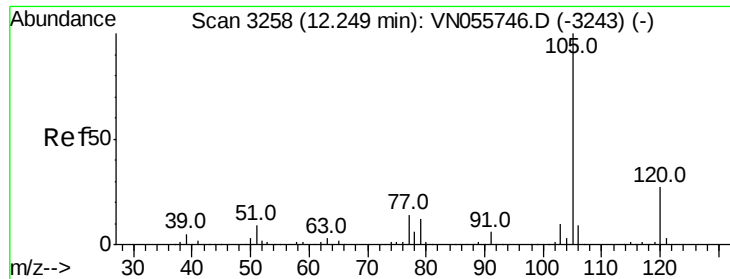
Abundance

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: 23.931 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion:105 Resp: 282242

Ion Ratio Lower Upper

105 100

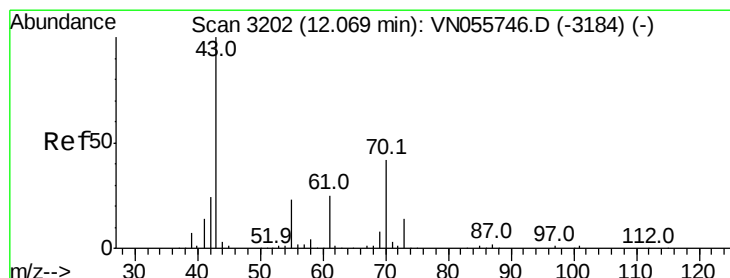
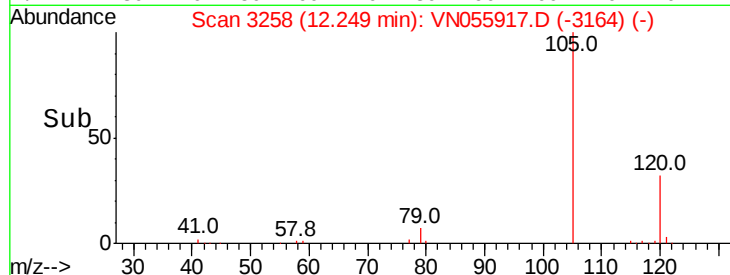
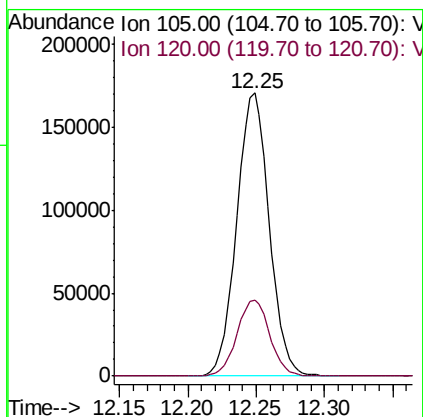
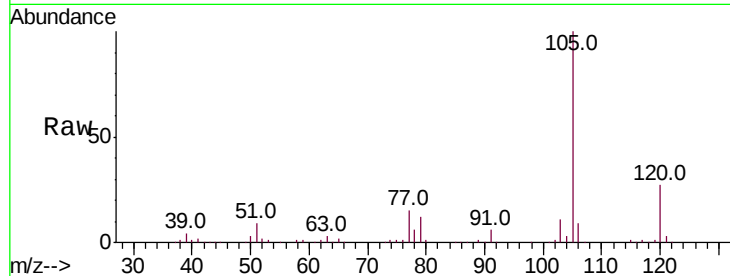
120 27.0 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.580 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion: 43 Resp: 101114

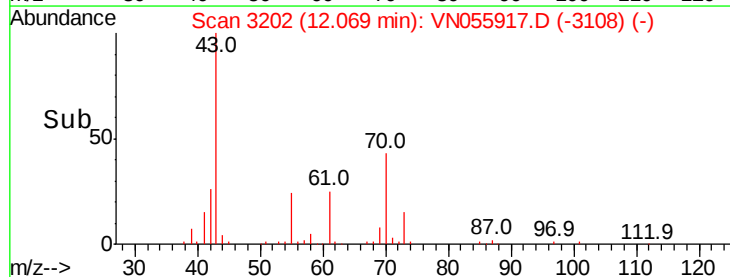
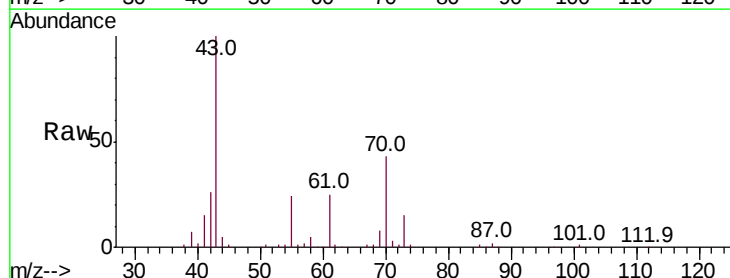
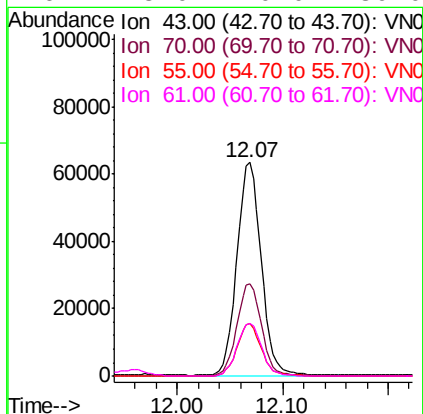
Ion Ratio Lower Upper

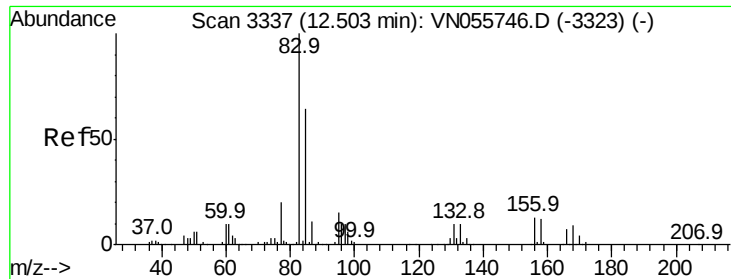
43 100

70 43.6 34.0 51.0

55 24.6 18.6 28.0

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.881 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

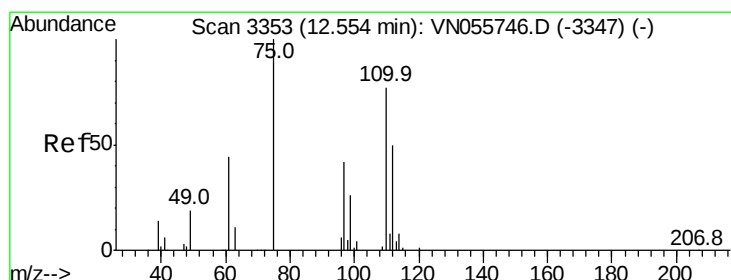
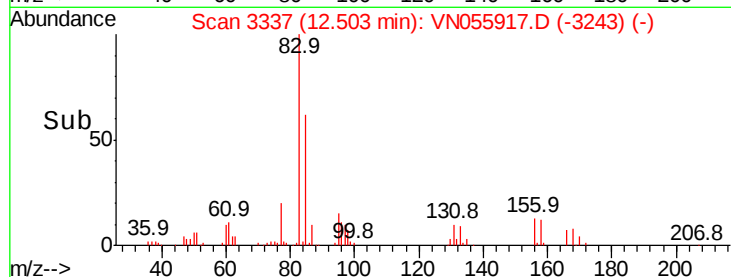
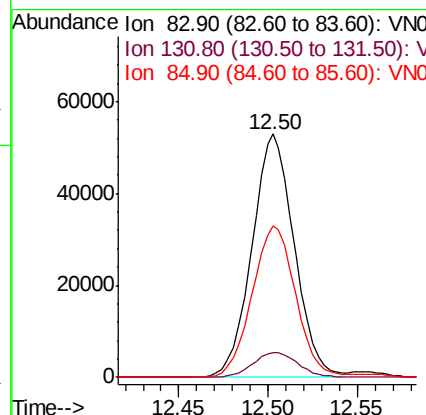
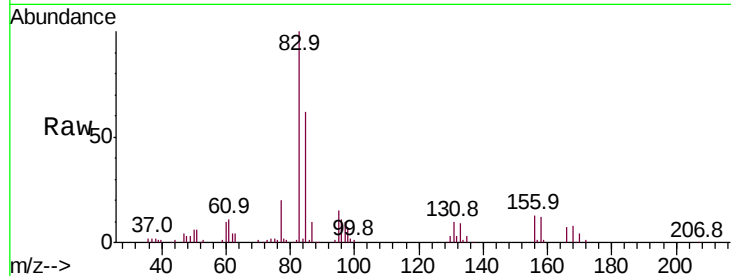
ClientSampleId :

VN0531WBSD01

Tot Ion:	83	Resp:	87632
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.2	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 24.961 ug/l m

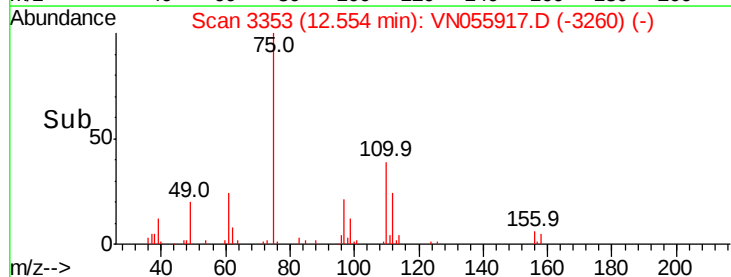
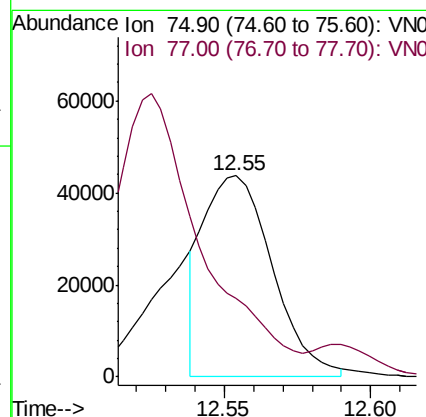
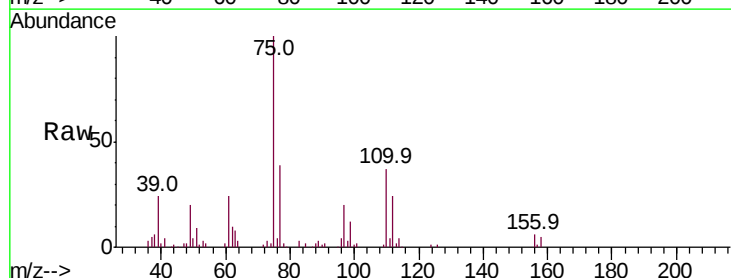
RT: 12.55 min Scan# 3353

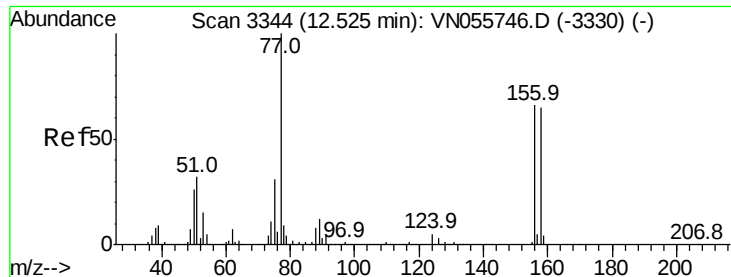
Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion:	75	Resp:	71603
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.605 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion:156 Resp: 72242

Ion Ratio Lower Upper

156 100

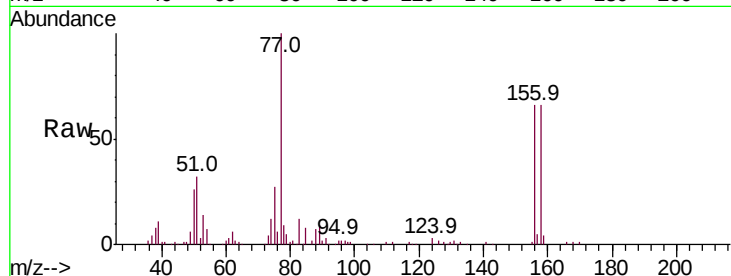
77 181.8 90.8 272.5

158 97.9 49.3 147.8

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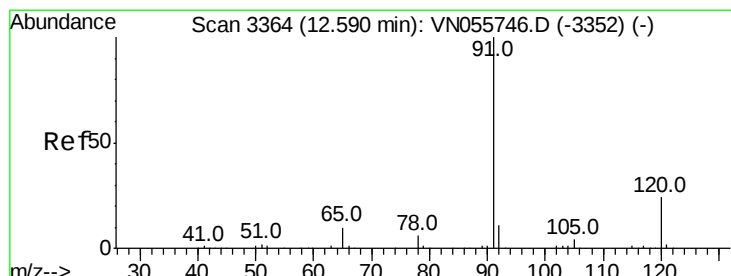
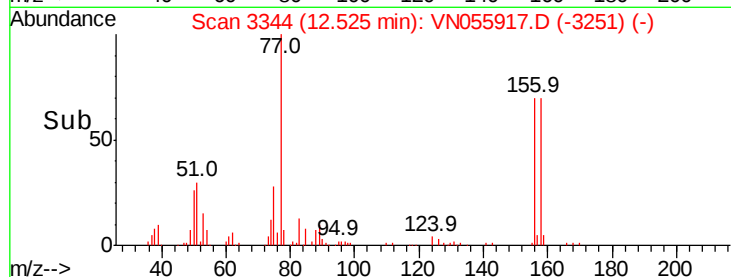
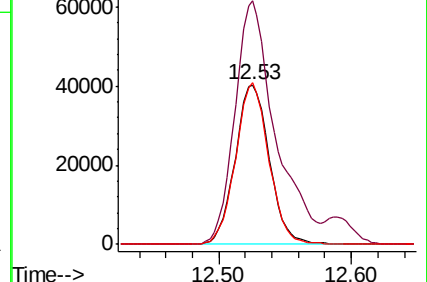
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.487 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055917.D

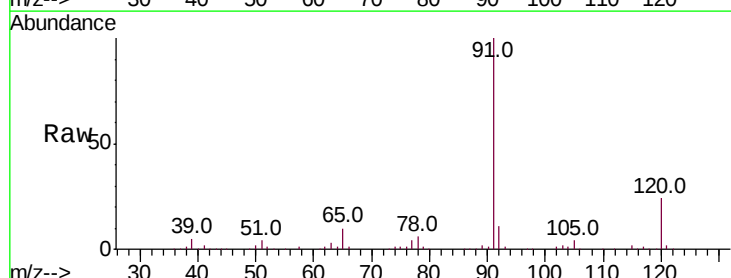
Acq: 31 May 2019 14:18

Tgt Ion: 91 Resp: 292636

Ion Ratio Lower Upper

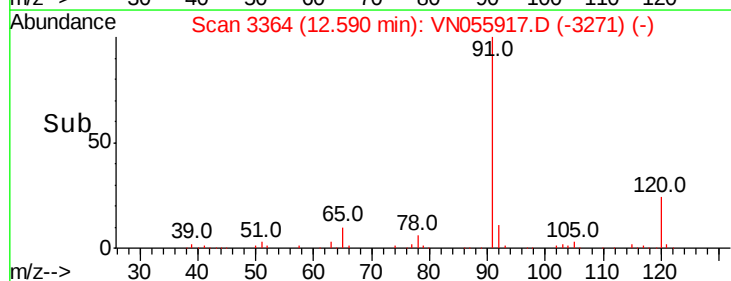
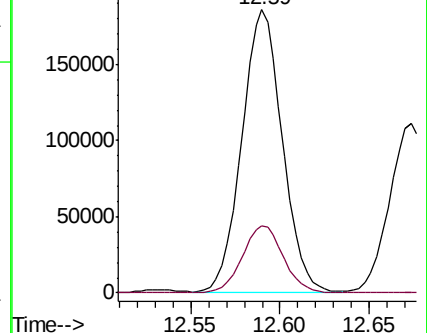
91 100

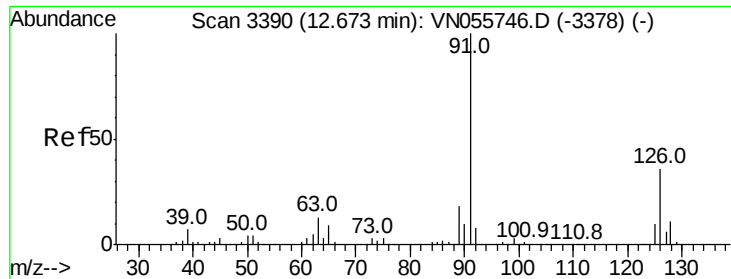
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.697 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VN0531WBSD01

Tot Ion: 91 Resp: 183675

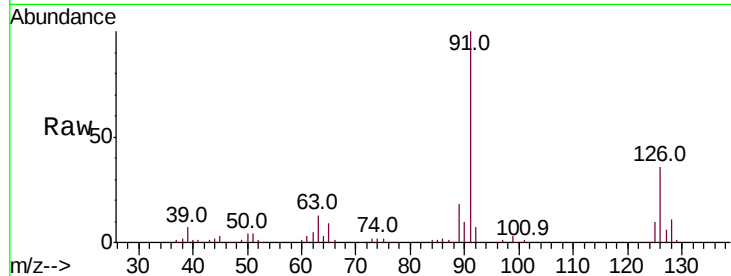
Ion Ratio Lower Upper

91 100

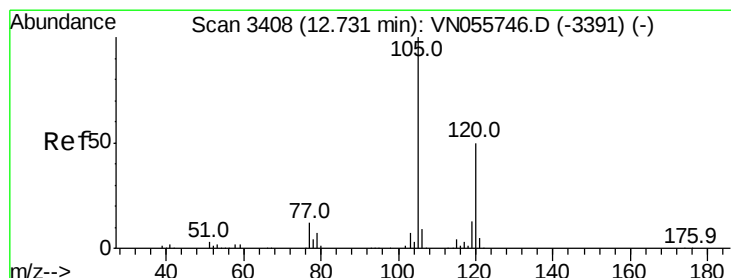
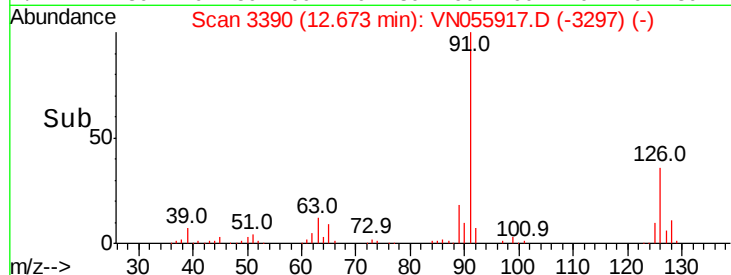
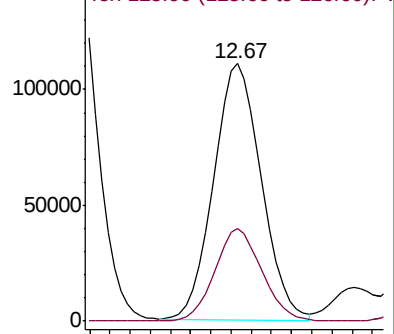
126 35.6 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055917.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.347 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055917.D

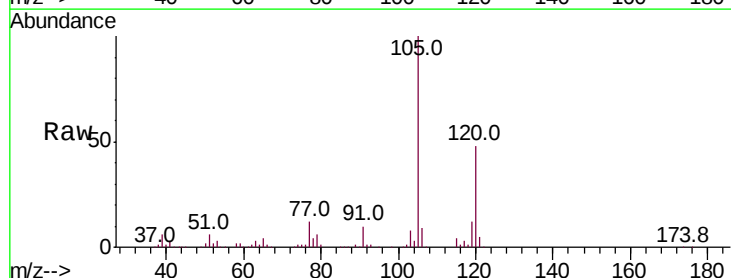
Acq: 31 May 2019 14:18

Tgt Ion: 105 Resp: 231857

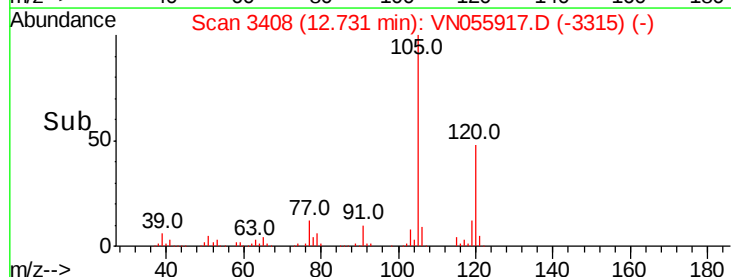
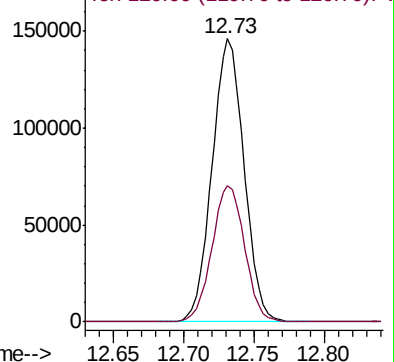
Ion Ratio Lower Upper

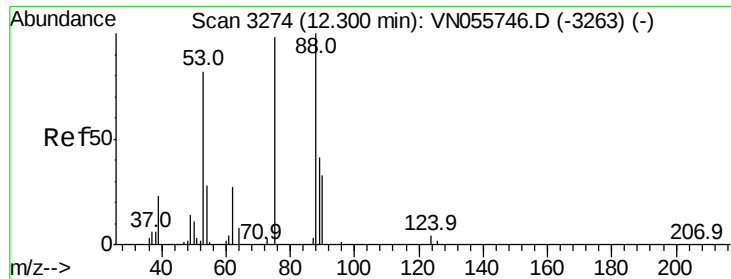
105 100

120 49.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055917.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.893 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion: 75 Resp: 20839

Ion Ratio Lower Upper

75 100

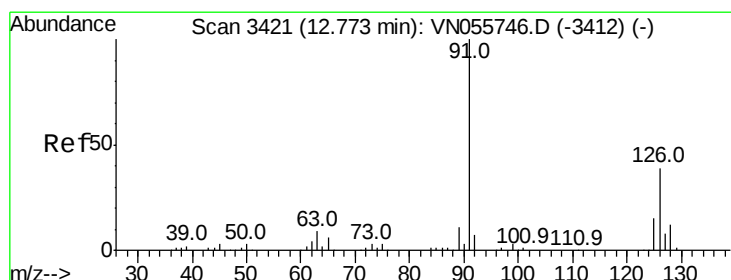
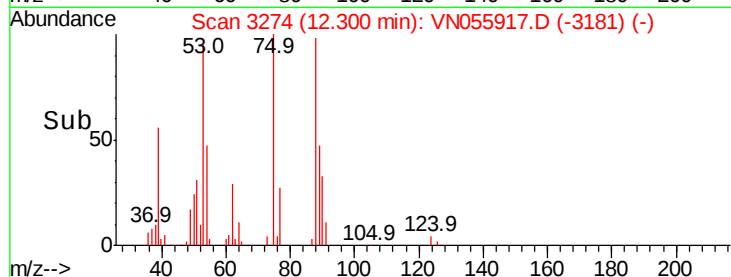
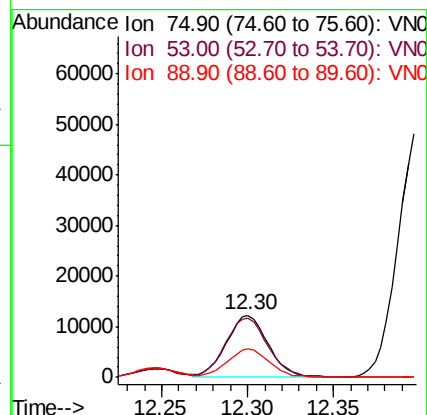
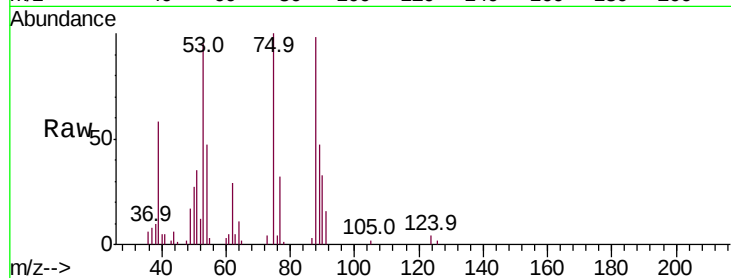
53 98.4 68.1 102.1

89 45.5 36.9 55.3

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#82

4-Chlorotoluene

Concen: 21.048 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055917.D

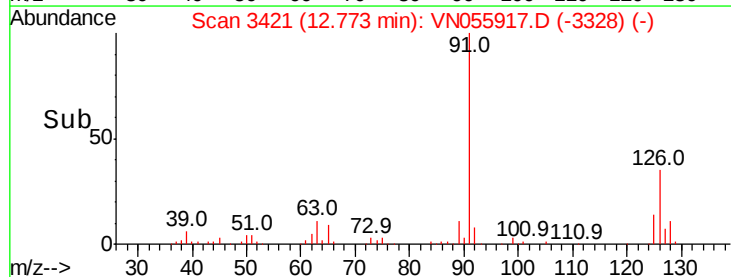
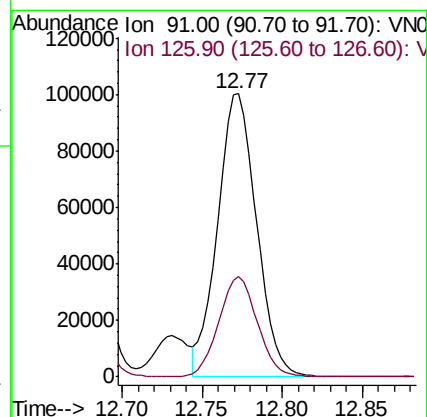
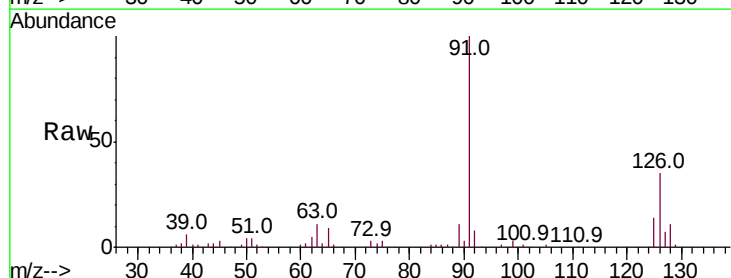
Acq: 31 May 2019 14:18

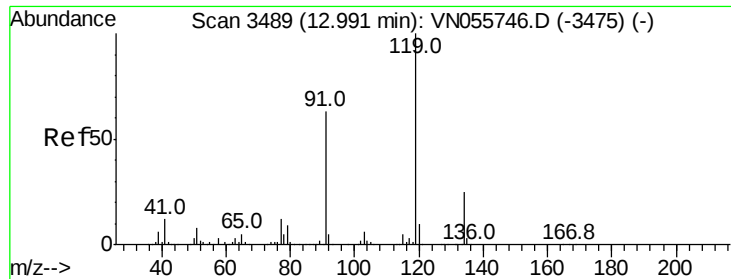
Tgt Ion: 91 Resp: 168504

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.3





#83

tert-Butylbenzene

Concen: 23.885 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

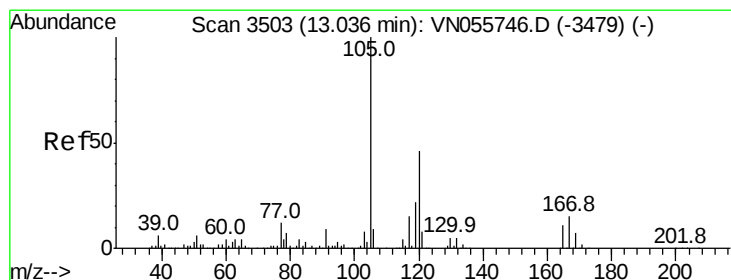
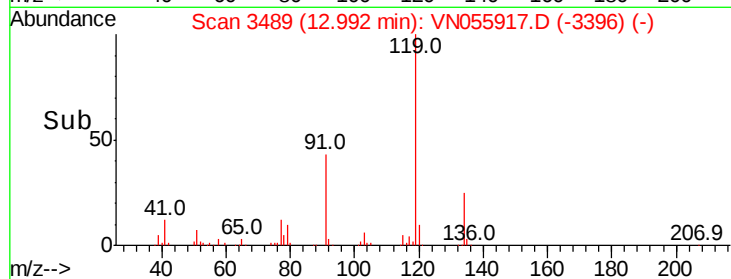
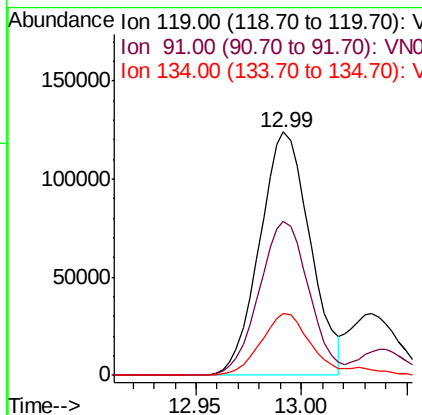
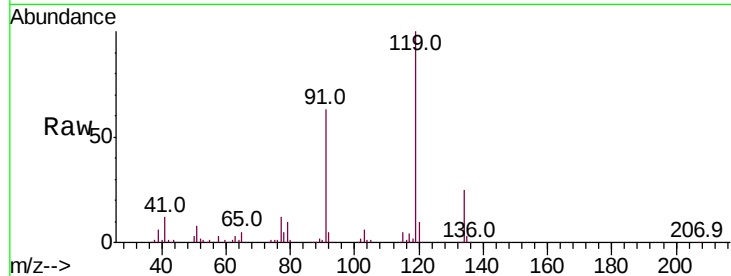
ClientSampleId :

VN0531WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206528		
91	62.5	30.9	92.8	
134	24.7	13.3	39.8	

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#84

1,2,4-Trimethylbenzene

Concen: 22.871 ug/l

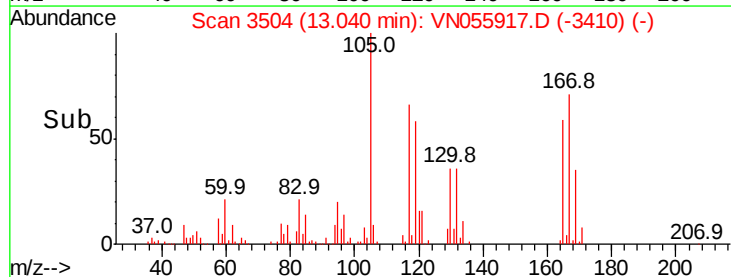
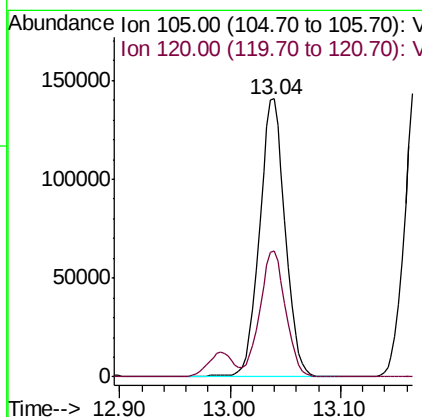
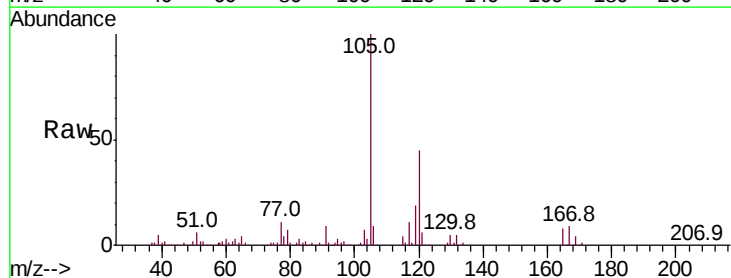
RT: 13.04 min Scan# 3504

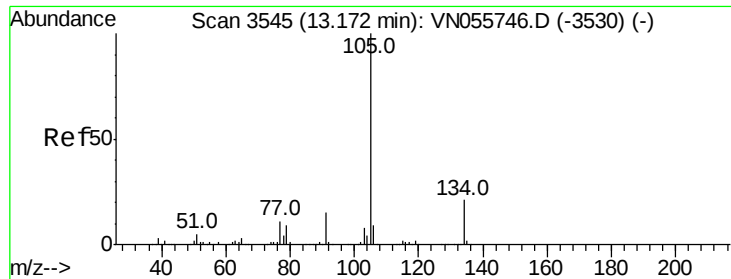
Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226132		
120	45.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 23.418 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBSD01

Tot Ion:105 Resp: 260273

Ion Ratio Lower Upper

105 100

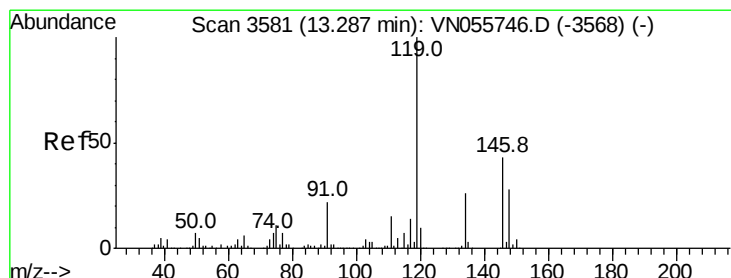
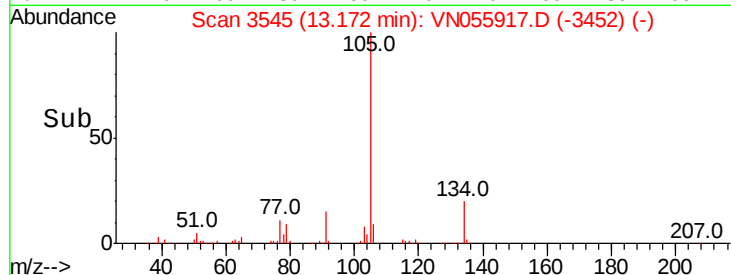
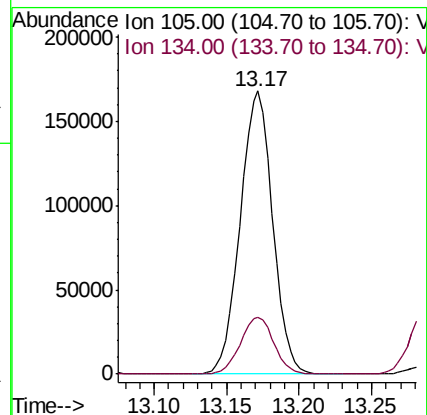
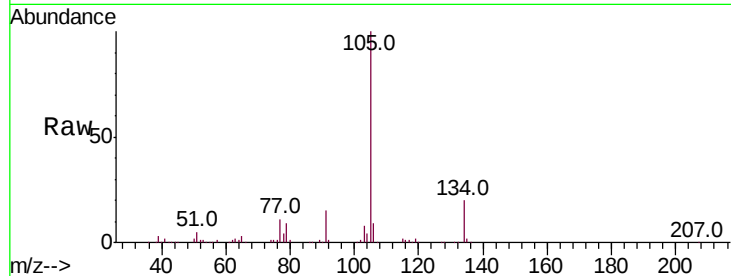
134 20.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 21.322 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055917.D

Acq: 31 May 2019 14:18

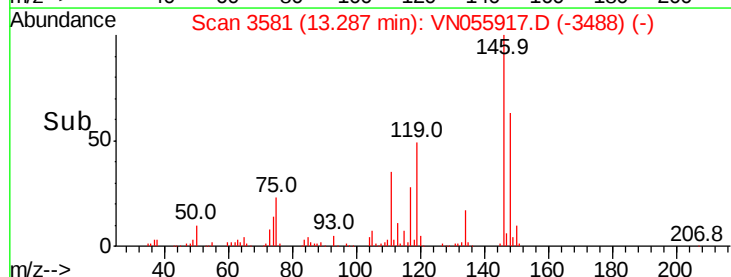
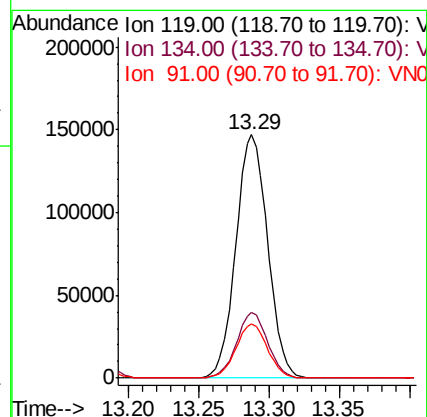
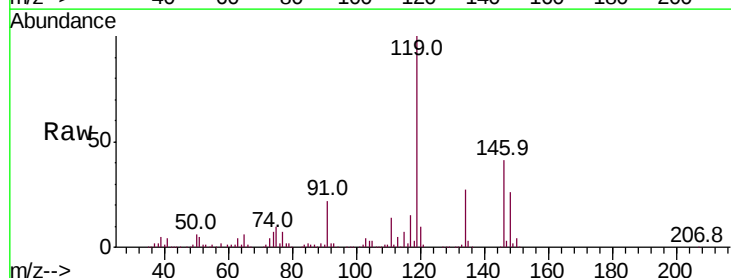
Tgt Ion:119 Resp: 232026

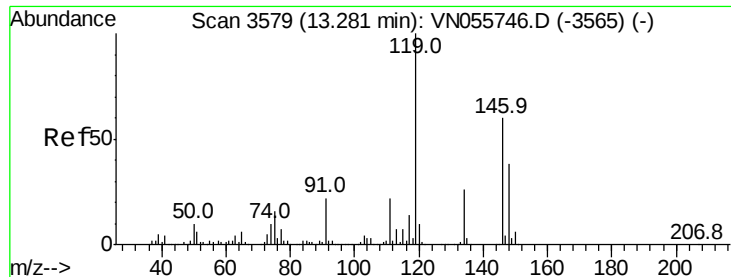
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.1 10.9 32.9





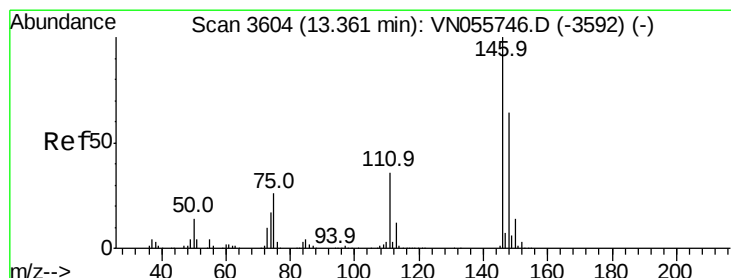
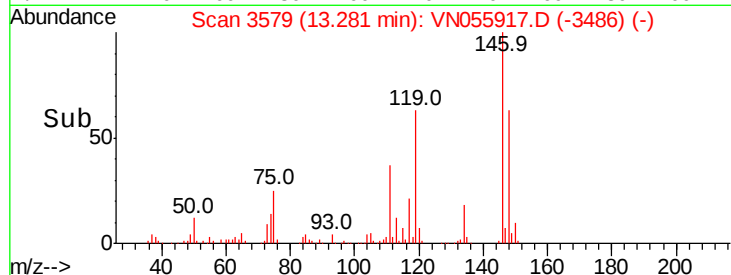
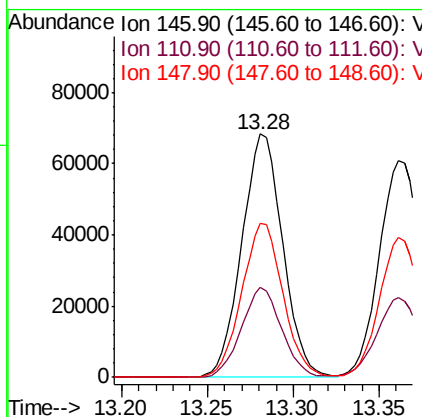
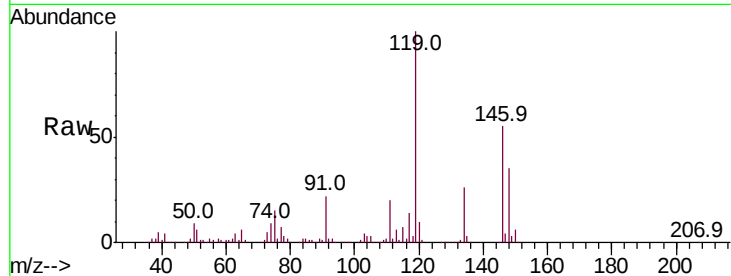
#87
 1,3-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.5	55.5
148	63.6	32.0	96.2

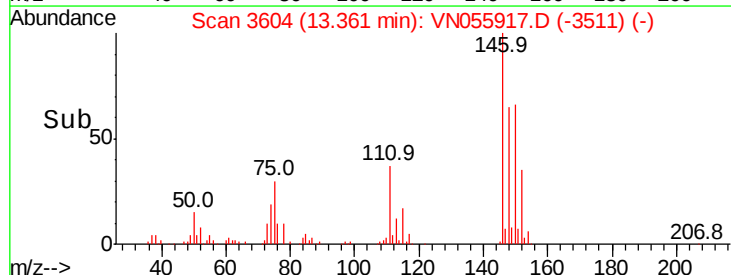
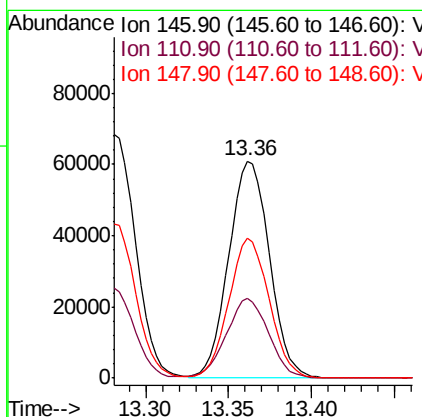
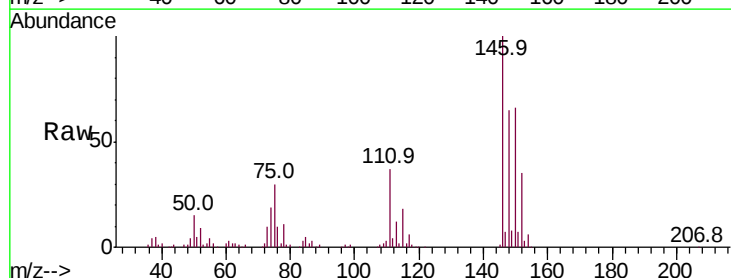
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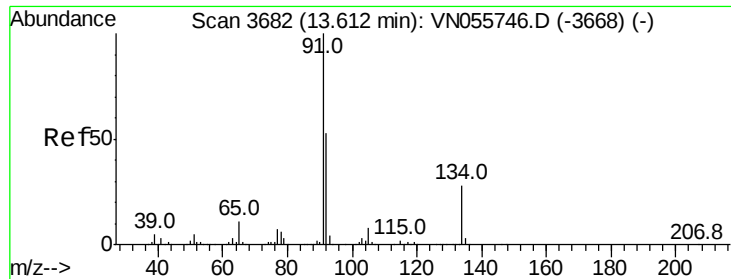
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#88
 1,4-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.4
148	63.7	32.1	96.5





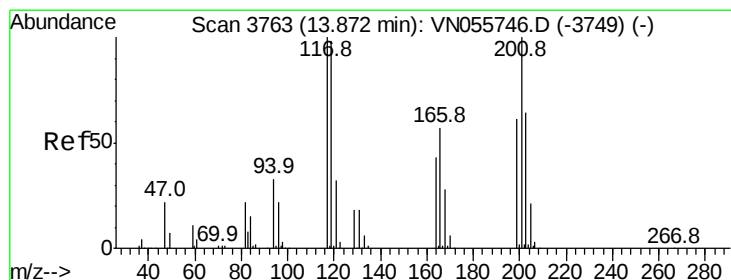
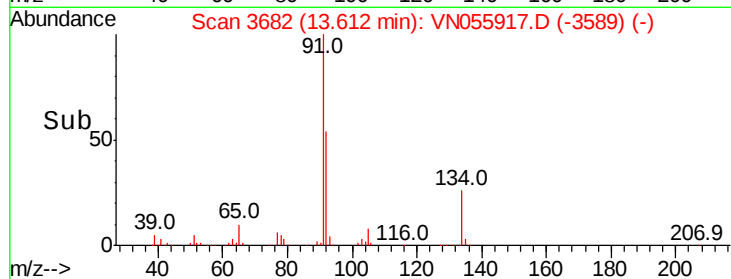
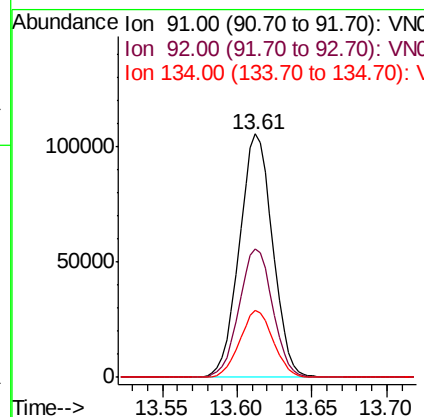
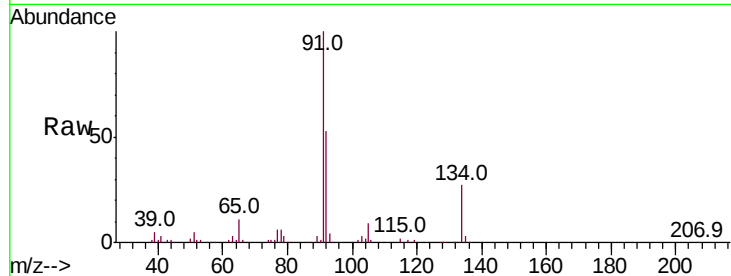
#89
n-Butylbenzene
Concen: 19.578 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	163238		
92	53.2	26.4	79.0	
134	27.5	13.9	41.7	

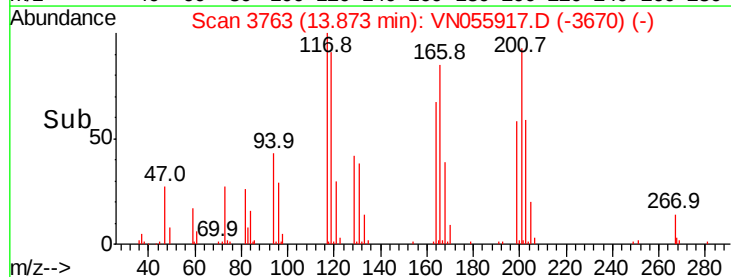
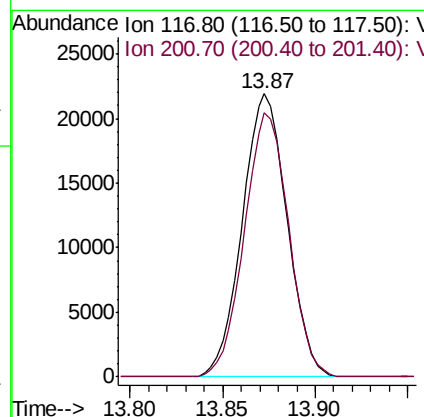
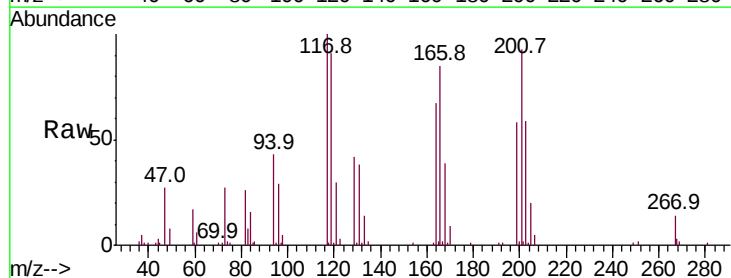
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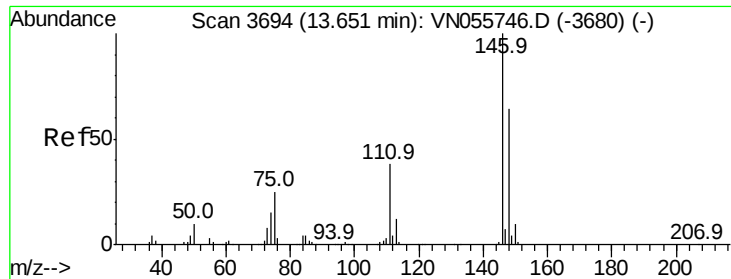
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#90
Hexachloroethane
Concen: 17.786 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36840		
201	92.5	50.0	150.0	





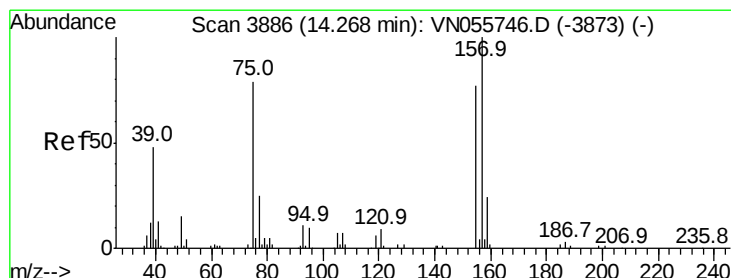
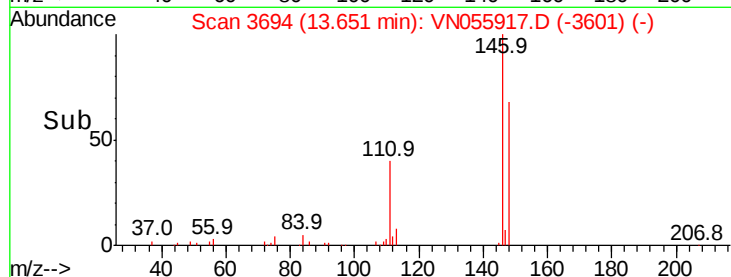
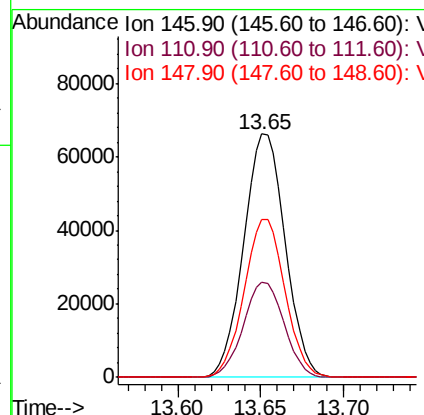
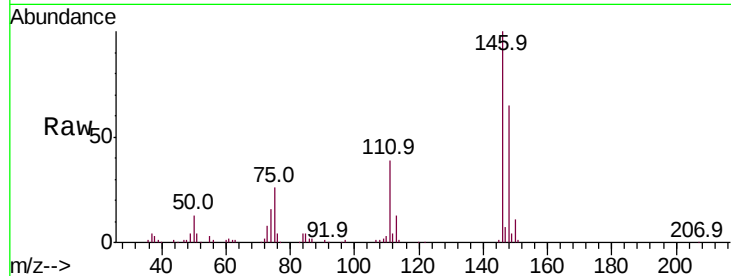
#91
 1,2-Dichlorobenzene
 Concen: 21.817 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.6	31.9	95.9

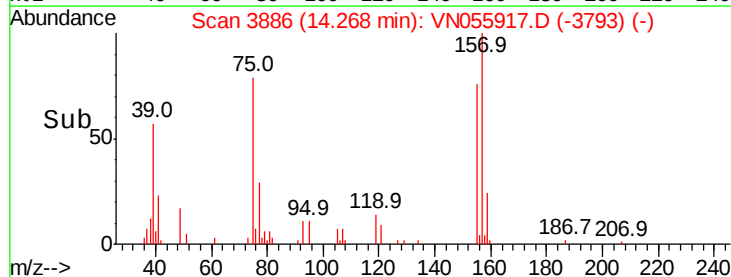
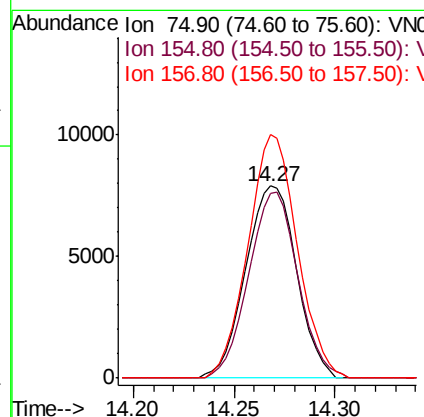
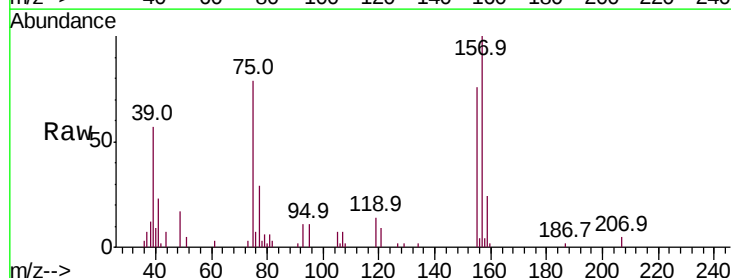
Manual Integrations
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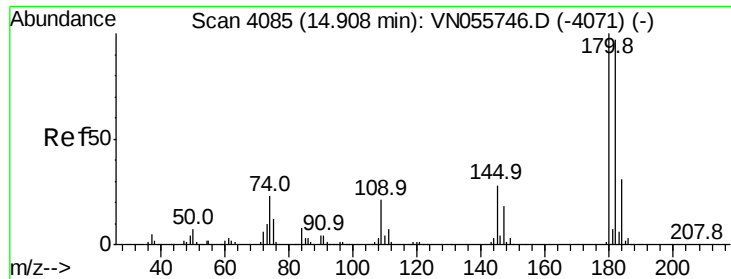
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.103 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	50.0	150.1
157	122.8	64.8	194.3





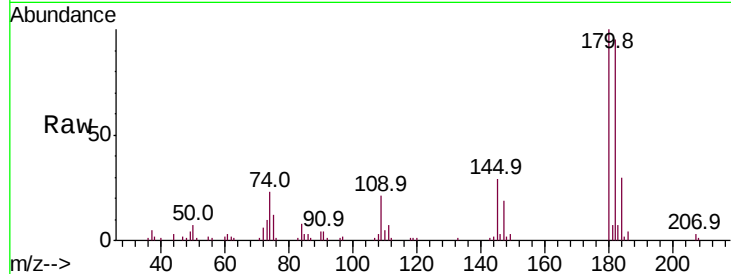
#93
 1,2,4-Trichlorobenzene
 Concen: 18.250 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

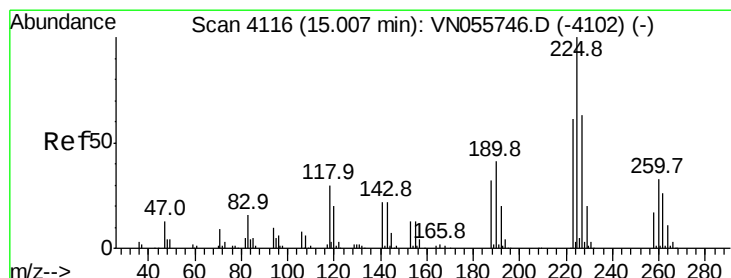
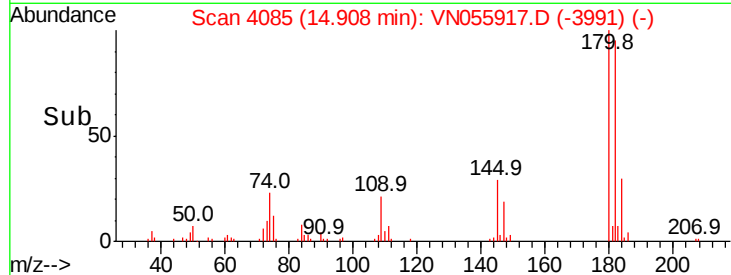
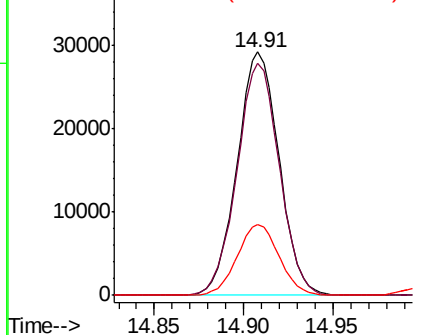
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	48.3	144.9	
145	29.1	14.0	41.9	

Manual Integrations
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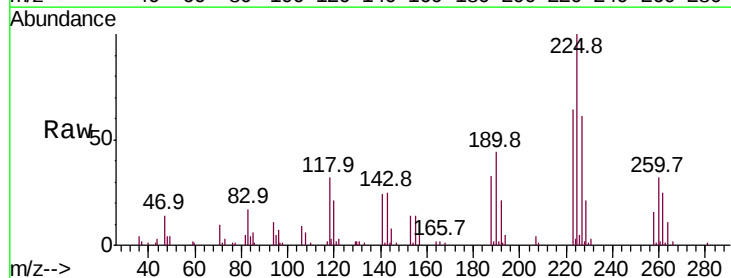


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

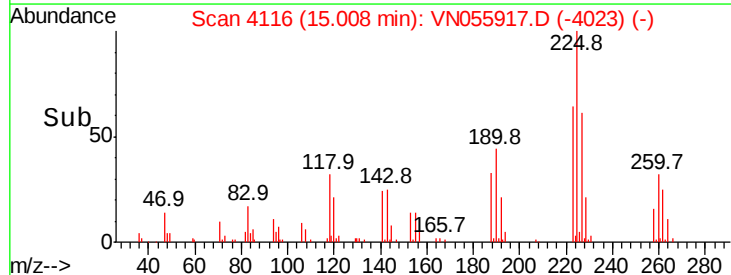
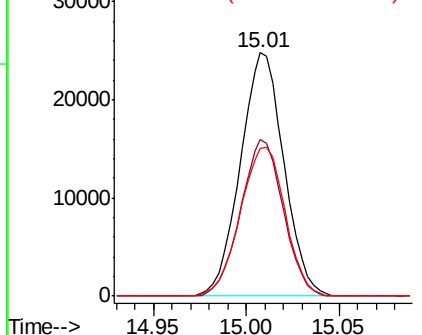


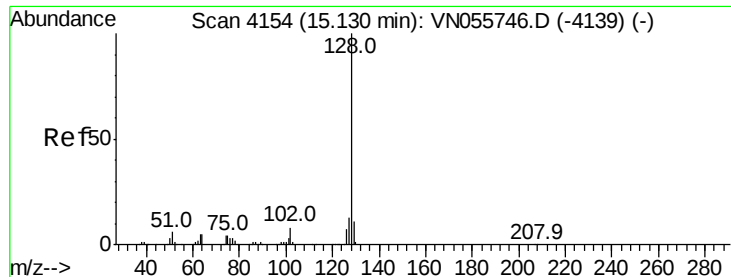
#94
 Hexachlorobutadiene
 Concen: 20.717 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055917.D
 Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	30.9	92.7	
227	63.1	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





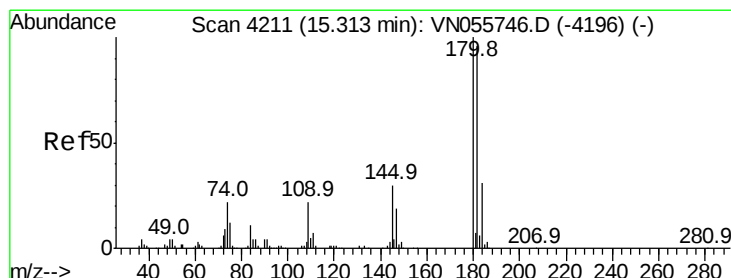
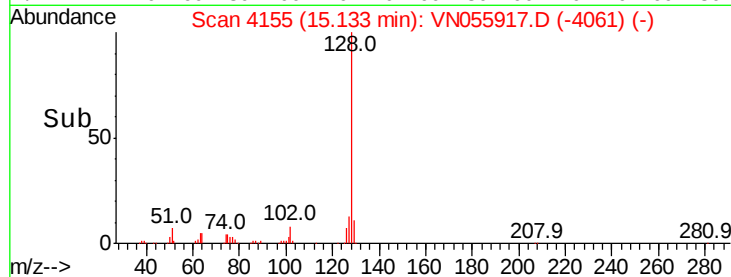
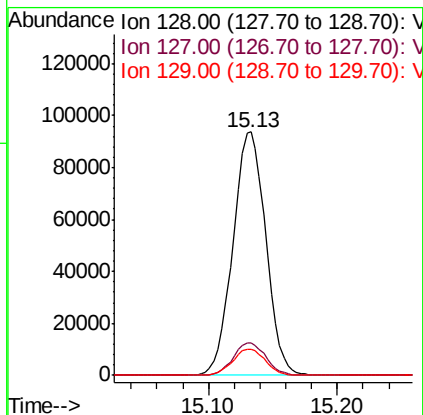
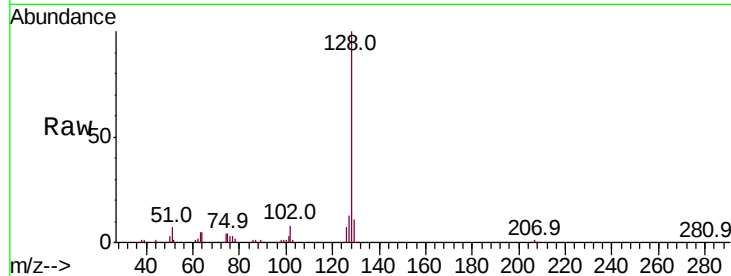
#95
Naphthalene
Concen: 22.884 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 19.856 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055917.D
Acq: 31 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.7
145	29.6	14.9	44.7

