

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056789.D
 Acq On : 17 Jul 2019 12:14
 Operator : JC/SP
 Sample : VN0717WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:06:35 AM

Quant Time: Jul 18 01:41:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	310507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	486691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177188	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	173365	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	156363	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.09	98	587664	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	192457	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	49549	16.994	ug/l	99
3) Chloromethane	2.06	50	67596	17.244	ug/l	100
4) Vinyl Chloride	2.18	62	65806	17.433	ug/l	99
5) Bromomethane	2.55	94	40659	18.316	ug/l	91
6) Chloroethane	2.70	64	38854	17.663	ug/l	95
7) Trichlorofluoromethane	3.01	101	86788	17.918	ug/l	99
8) Diethyl Ether	3.41	74	34860	18.460	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	53021	18.220	ug/l	100
10) Methyl Iodide	3.95	142	69273	17.797	ug/l	98
11) Tert butyl alcohol	4.79	59	54590	95.488	ug/l	100
12) 1,1-Dichloroethene	3.73	96	51953	17.798	ug/l	96
13) Acrolein	3.61	56	16619	92.149	ug/l	96
14) Allyl chloride	4.32	41	88222	17.477	ug/l	99
15) Acrylonitrile	4.99	53	158098	95.761	ug/l	97
16) Acetone	3.82	43	132684	83.830	ug/l	99
17) Carbon Disulfide	4.05	76	124747	16.173	ug/l	98
18) Methyl Acetate	4.33	43	69427	18.926	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	169079	18.180	ug/l	100
20) Methylene Chloride	4.55	84	61992	17.923	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	55875	18.109	ug/l	97
22) Diisopropyl ether	5.95	45	187352	18.803	ug/l	95
23) Vinyl Acetate	5.90	43	761593	94.324	ug/l	100
24) 1,1-Dichloroethane	5.85	63	105881	18.329	ug/l	99
25) 2-Butanone	6.84	43	210112	90.800	ug/l	100
26) 2,2-Dichloropropane	6.82	77	73492	17.644	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	66648	18.772	ug/l	98
28) Bromochloromethane	7.19	49	58332	21.476	ug/l	100
29) Tetrahydrofuran	7.21	42	143361	94.987	ug/l	98
30) Chloroform	7.37	83	106942	18.499	ug/l	97
31) Cyclohexane	7.65	56	100286	18.265	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	85482	18.698	ug/l	99
36) 1,1-Dichloropropene	7.79	75	78345	17.396	ug/l	99
37) Ethyl Acetate	6.93	43	85100	19.172	ug/l	100
38) Carbon Tetrachloride	7.77	117	73642	17.436	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	94180	16.936	ug/l	98
40) Benzene	8.04	78	248308	17.994	ug/l	100
41) Methacrylonitrile	7.18	41	29751m	15.259	ug/l	
42) 1,2-Dichloroethane	8.12	62	81159	18.609	ug/l	99
43) Isopropyl Acetate	8.17	43	128184	18.369	ug/l	99
44) Trichloroethene	8.84	130	66300	17.693	ug/l	96
45) 1,2-Dichloropropane	9.12	63	66918	18.250	ug/l	96
46) Dibromomethane	9.21	93	42153	18.551	ug/l	99
47) Bromodichloromethane	9.40	83	78213	18.113	ug/l	98
48) Methyl methacrylate	9.20	41	61935	18.353	ug/l	99
49) 1,4-Dioxane	9.20	88	27061	390.797	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	418374	92.568	ug/l	100
52) Toluene	10.16	92	150515	18.366	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	79499	17.647	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	92656	17.724	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	62108	18.069	ug/l	98
56) Ethyl methacrylate	10.43	69	91798	18.561	ug/l	100
57) 1,3-Dichloropropane	10.71	76	104522	18.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	229502	96.498	ug/l	100
59) 2-Hexanone	10.75	43	299576	92.376	ug/l	99
60) Dibromochloromethane	10.90	129	61746	18.265	ug/l	99
61) 1,2-Dibromoethane	11.00	107	64159	18.782	ug/l	100
64) Tetrachloroethene	10.63	164	67757	18.358	ug/l	99
65) Chlorobenzene	11.43	112	158755	18.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	59389	18.439	ug/l	99
67) Ethyl Benzene	11.51	91	276392	17.978	ug/l	99
68) m/p-Xylenes	11.62	106	207696	36.150	ug/l	99
69) o-Xylene	11.95	106	101461	17.963	ug/l	99
70) Styrene	11.96	104	165487	18.122	ug/l	99
71) Bromoform	12.13	173	43850	17.893	ug/l #	99
73) Isopropylbenzene	12.25	105	266629	18.663	ug/l	100
74) N-amyl acetate	12.07	43	96596	18.155	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	88666	20.277	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	77684m	20.046	ug/l	
77) Bromobenzene	12.53	156	70030	18.740	ug/l	99
78) n-propylbenzene	12.59	91	284669	17.948	ug/l	100
79) 2-Chlorotoluene	12.67	91	178219	19.327	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	227308	18.772	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22268	17.746	ug/l	94
82) 4-Chlorotoluene	12.77	91	168812	18.136	ug/l	99
83) tert-Butylbenzene	12.99	119	192652	19.530	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	221933	18.761	ug/l	99
85) sec-Butylbenzene	13.17	105	250660	18.630	ug/l	100
86) p-Isopropyltoluene	13.29	119	223511	18.337	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	109941	17.952	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	105727	17.748	ug/l	99
89) n-Butylbenzene	13.61	91	170834	17.400	ug/l	100
90) Hexachloroethane	13.87	117	33962	17.230	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	113245	18.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14621	19.085	ug/l	94

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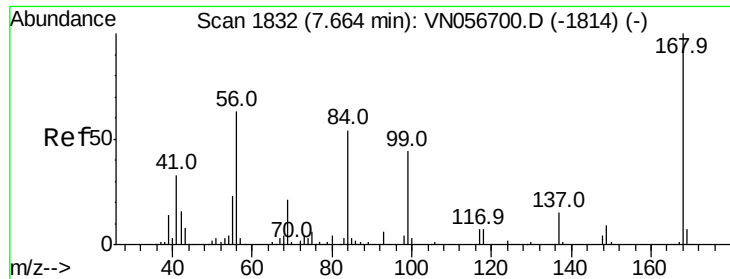
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47415	16.382	ug/l	99
94) Hexachlorobutadiene	15.01	225	38584	18.802	ug/l	99
95) Naphthalene	15.13	128	117758	15.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51122	17.214	ug/l	98

(#) = 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: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion:168 Resp: 310507

Ion Ratio Lower Upper

168 100

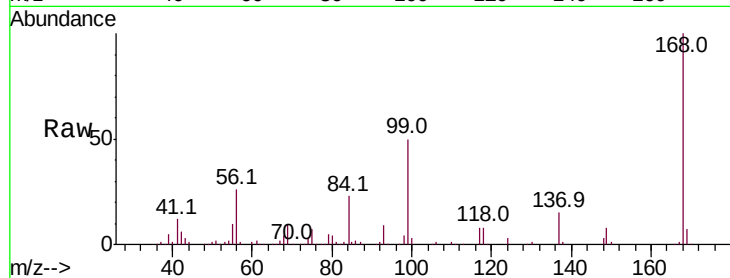
99 49.1 39.4 59.2

Manual Integrations

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7/19/2019 1:06:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

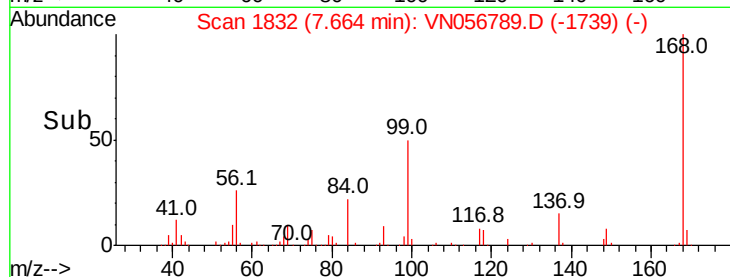
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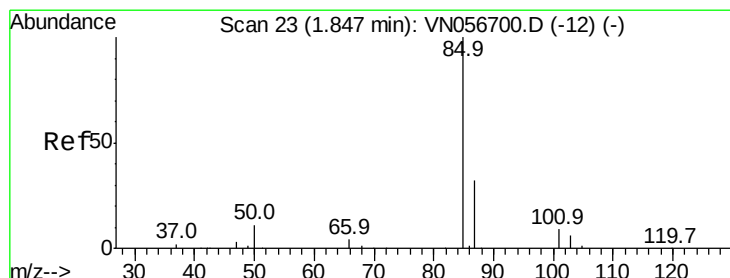
50000

0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 16.994 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056789.D

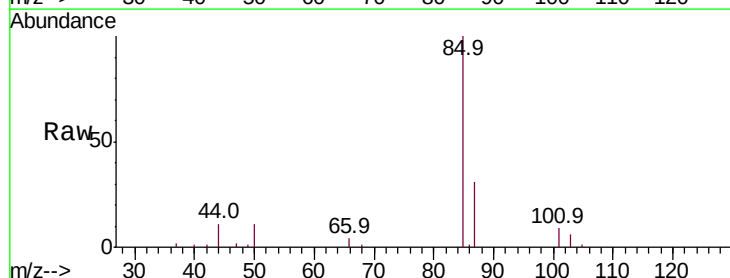
Acq: 17 Jul 2019 12:14

Tgt Ion: 85 Resp: 49549

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

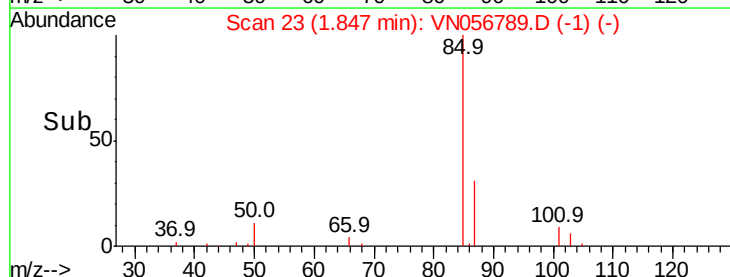
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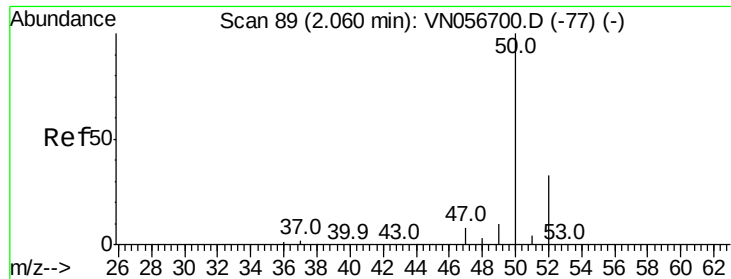
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.244 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

VN0717WBS01

Tot Ion: 50 Resp: 67596

Ion Ratio Lower Upper

50 100

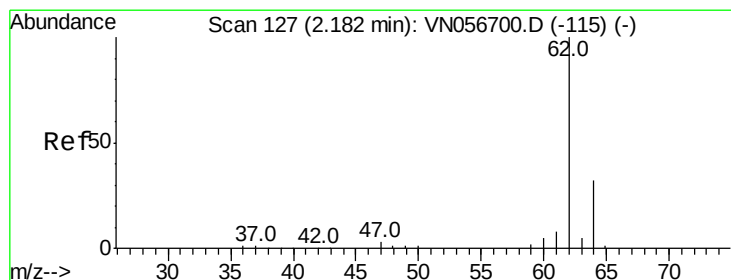
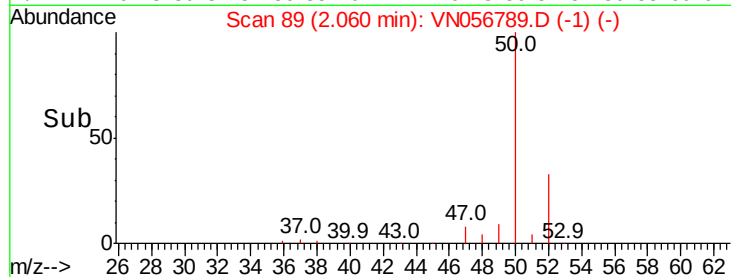
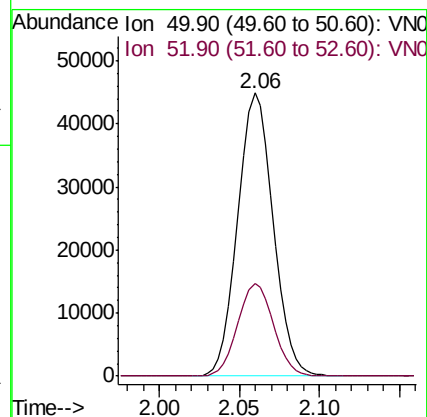
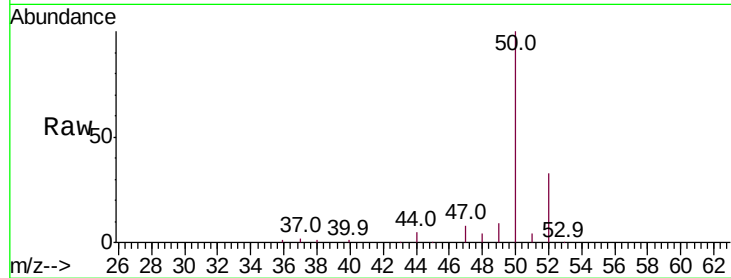
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.433 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056789.D

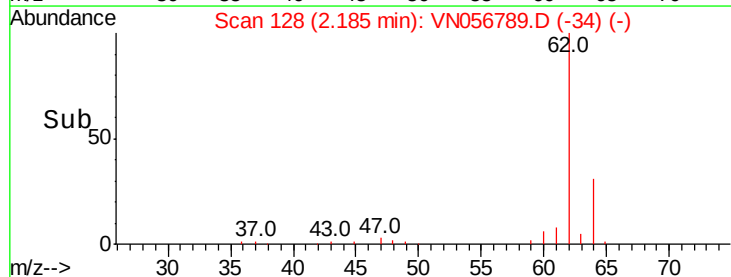
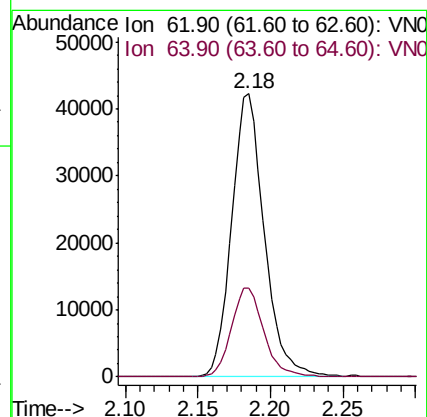
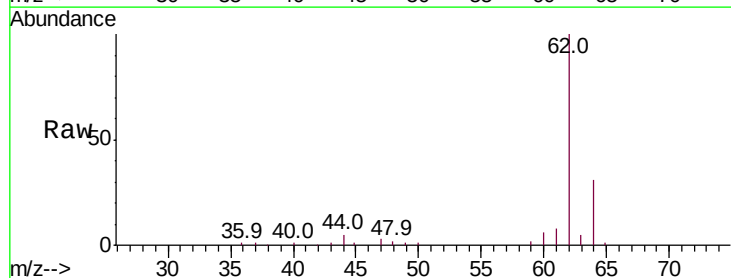
Acq: 17 Jul 2019 12:14

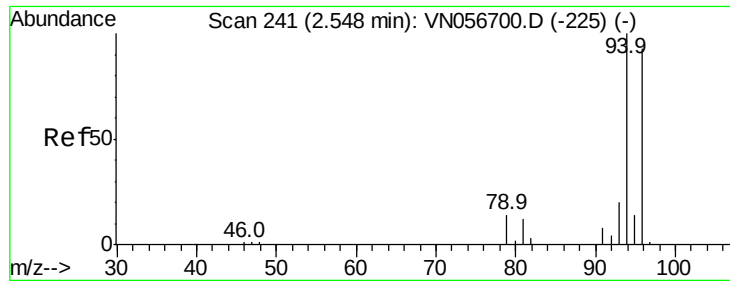
Tgt Ion: 62 Resp: 65806

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 18.316 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 94 Resp: 40659

Ion Ratio Lower Upper

94 100

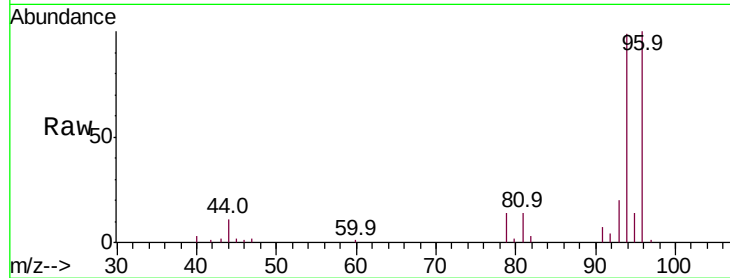
96 101.0 74.0 111.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

20000

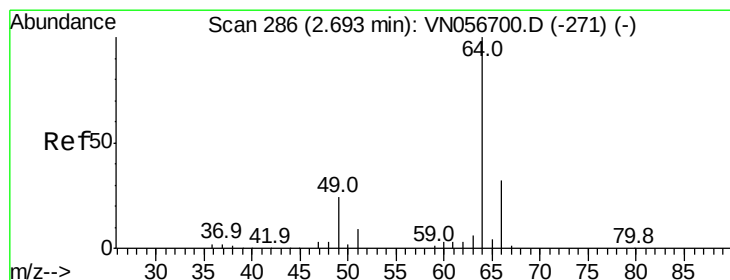
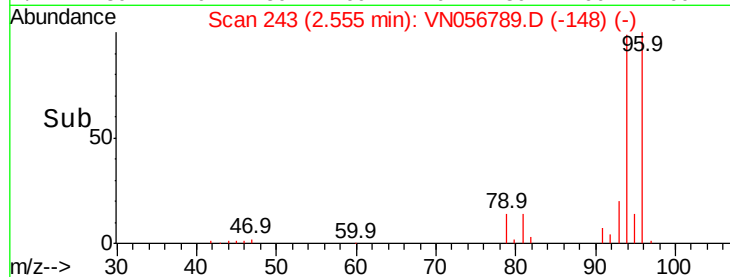
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 17.663 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056789.D

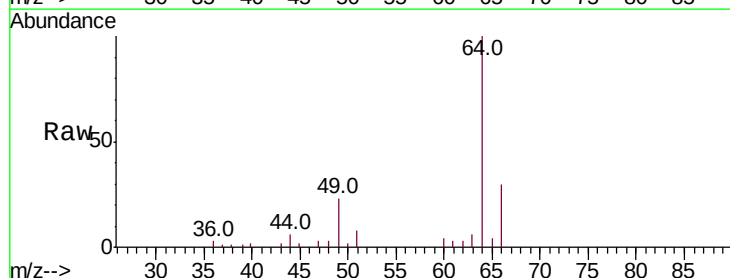
Acq: 17 Jul 2019 12:14

Tgt Ion: 64 Resp: 38854

Ion Ratio Lower Upper

64 100

66 29.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

20000

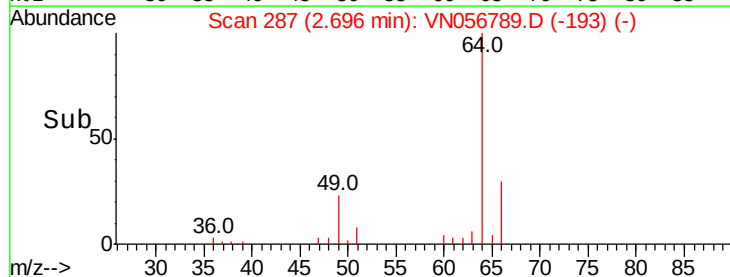
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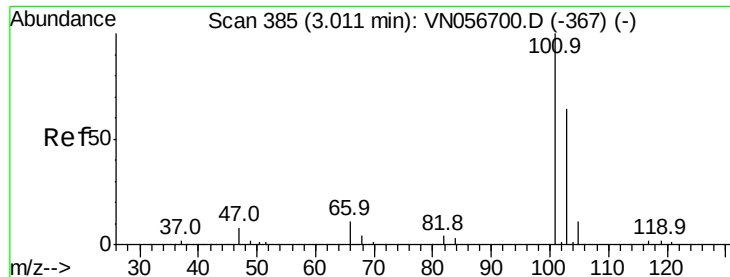
10000

5000

0

Time-->





#7

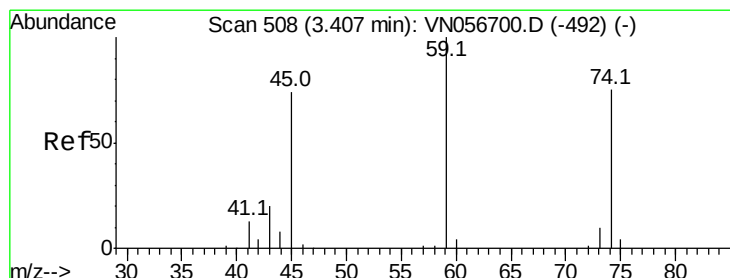
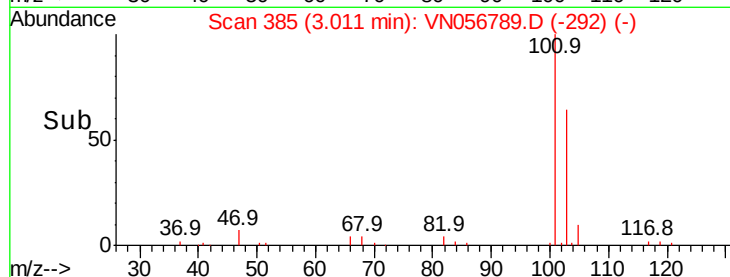
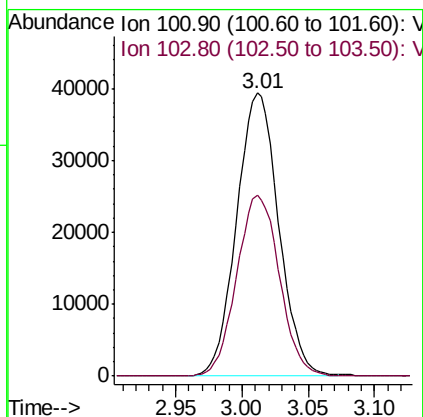
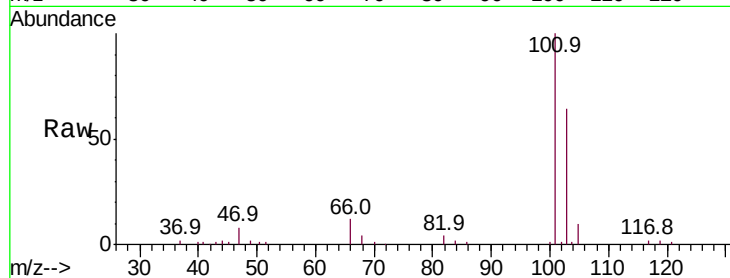
Trichlorofluoromethane
Concen: 17.918 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.5	77.3

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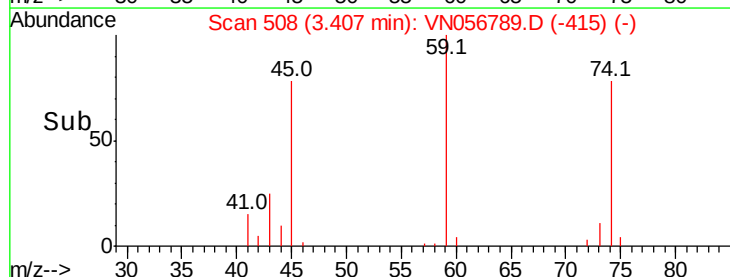
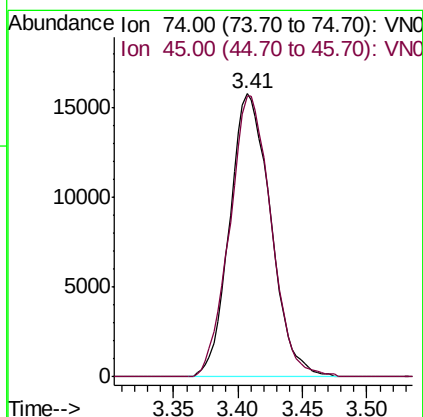
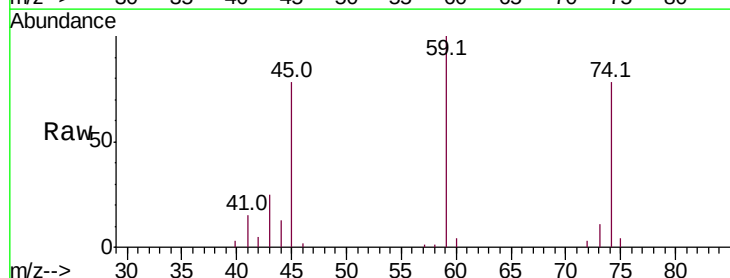
MMDadoda
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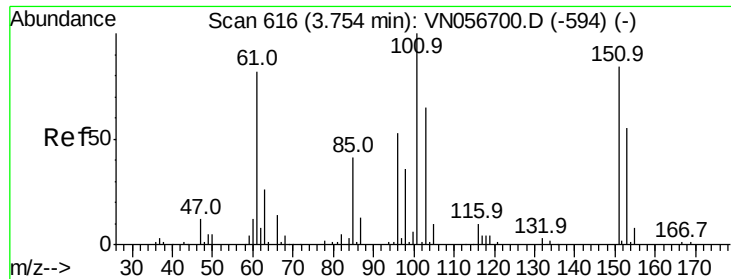


#8

Diethyl Ether
Concen: 18.460 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.220 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

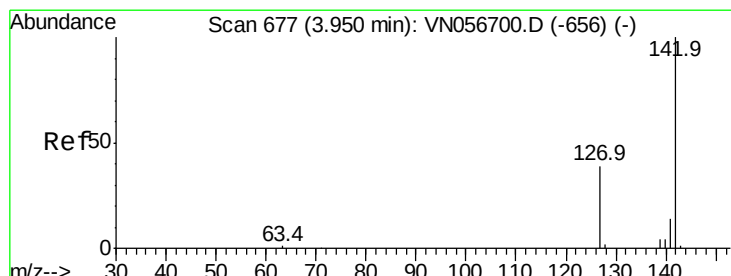
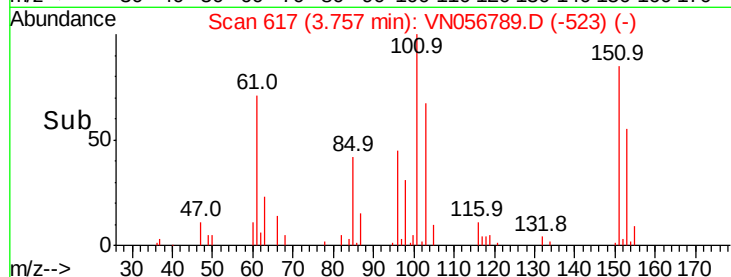
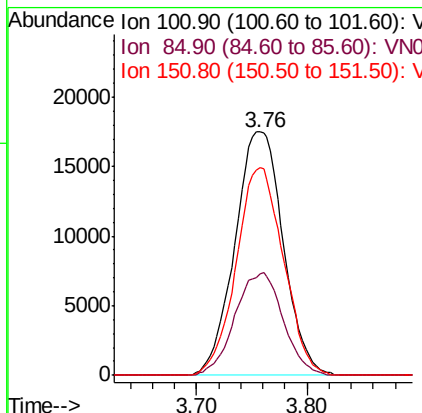
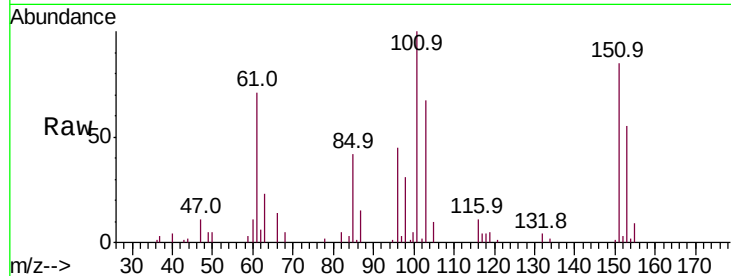
ClientSampleId :

VN0717WBS01

Tot Ion:	101	Resp:	53021
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.3	49.9
151	83.5	67.0	100.6

Manual Integrations
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7/19/2019 1:06:35 AM



#10

Methyl Iodide

Concen: 17.797 ug/l

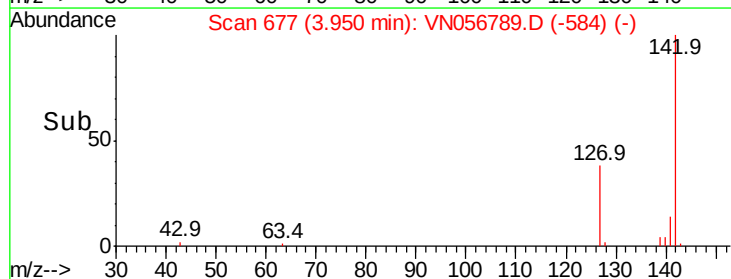
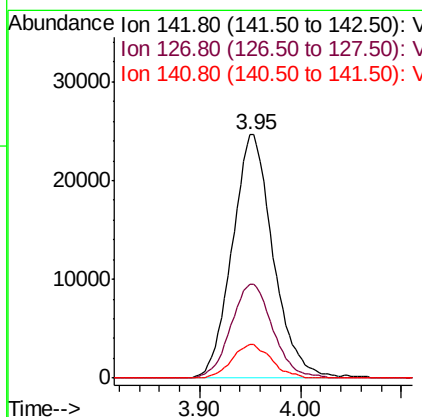
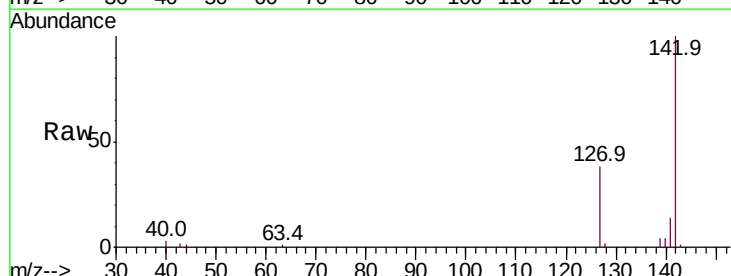
RT: 3.95 min Scan# 677

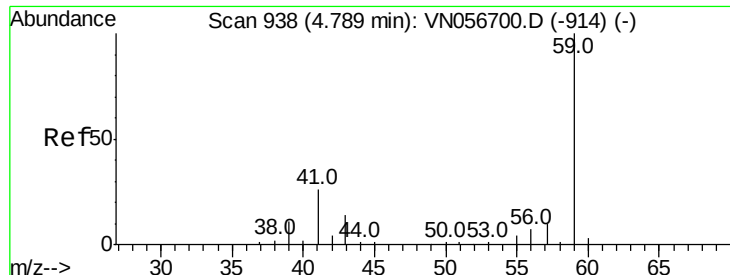
Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion:	142	Resp:	69273
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.7	46.1
141	13.3	11.3	16.9





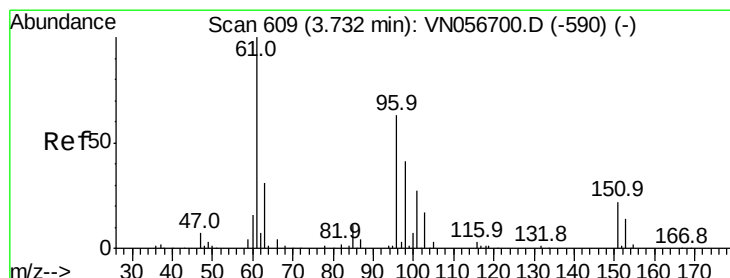
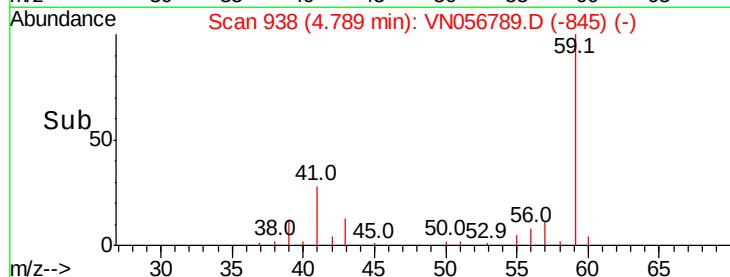
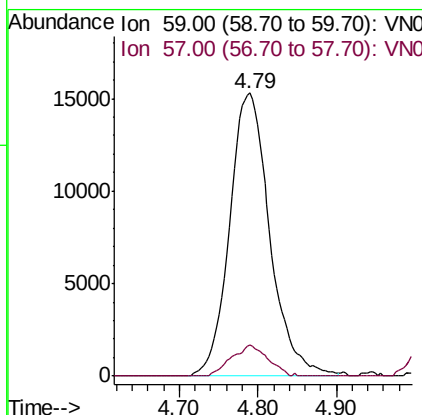
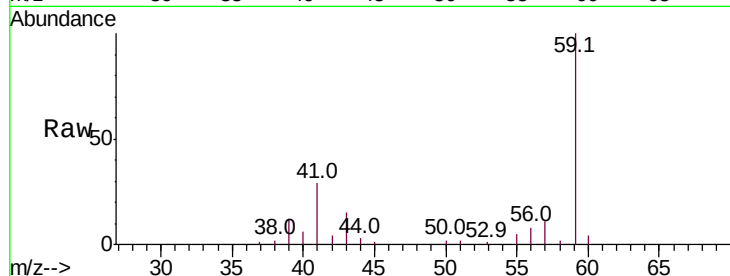
#11
Tert butyl alcohol
Concen: 95.488 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

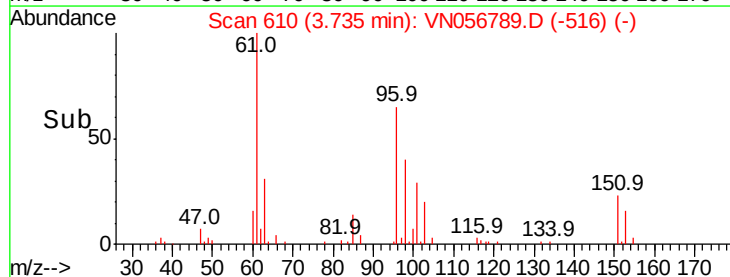
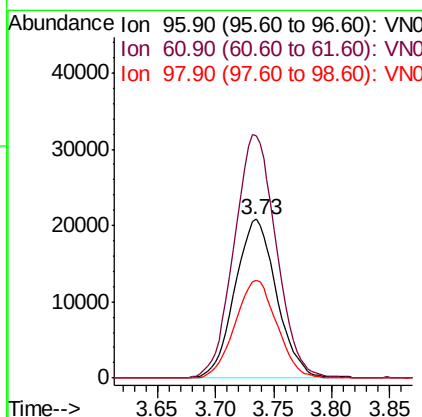
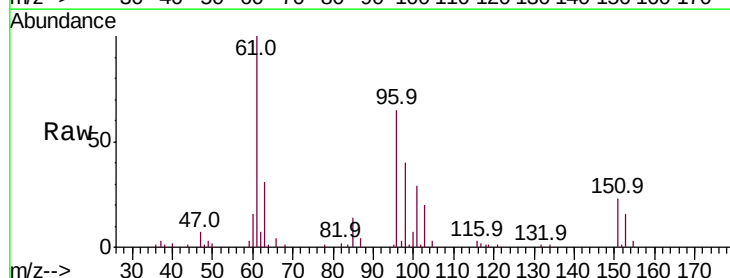
Manual Integrations
APPROVED

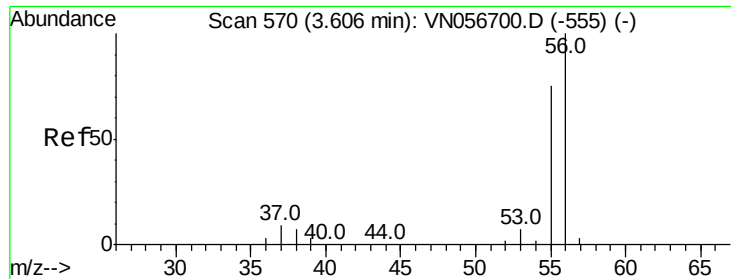
MMDadoda
7/19/2019 1:06:35 AM



#12
1,1-Dichloroethene
Concen: 17.798 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.6	189.8
98	61.9	51.4	77.2





#13

Acrolein

Concen: 92.149 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 56 Resp: 16619

Ion Ratio Lower Upper

56 100

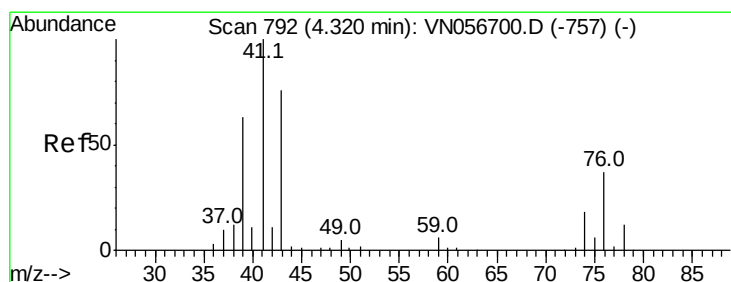
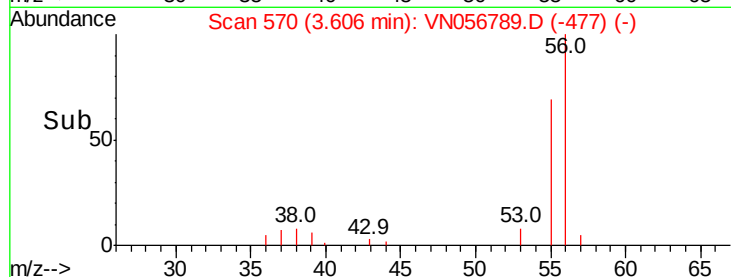
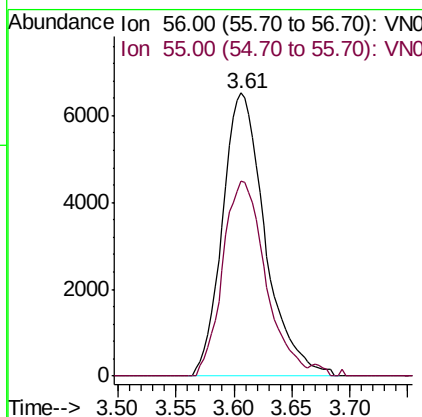
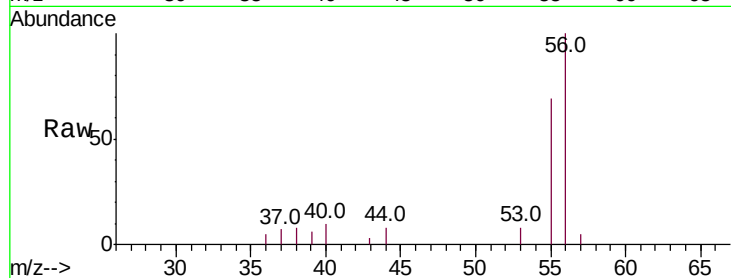
55 69.0 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 17.477 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

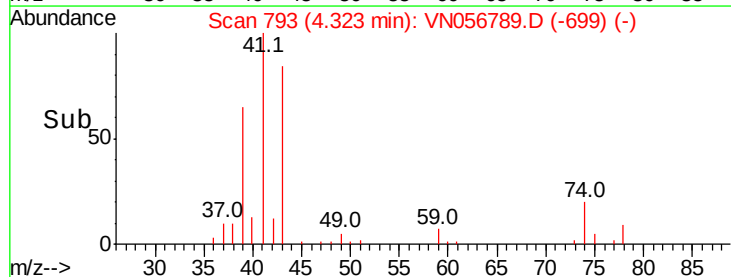
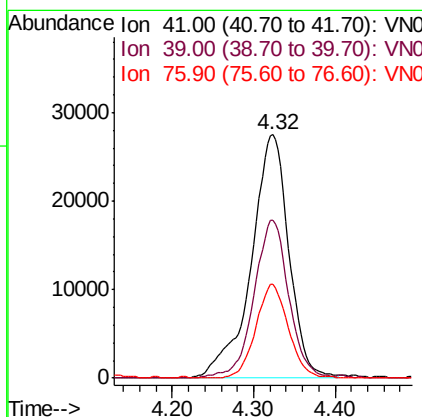
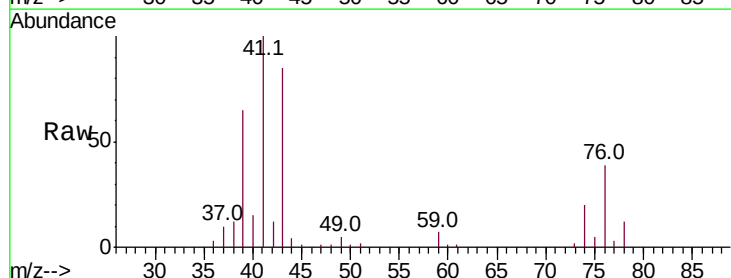
Tgt Ion: 41 Resp: 88222

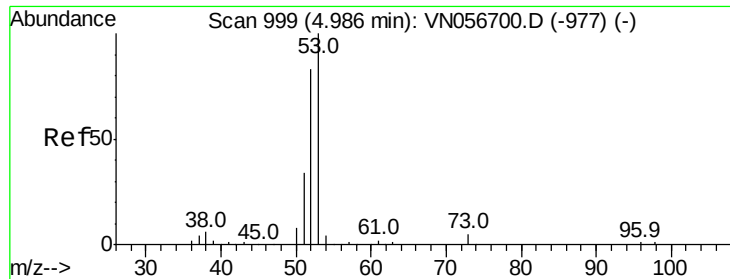
Ion Ratio Lower Upper

41 100

39 59.9 46.9 70.3

76 33.3 26.5 39.7





#15

Acrylonitrile

Concen: 95.761 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

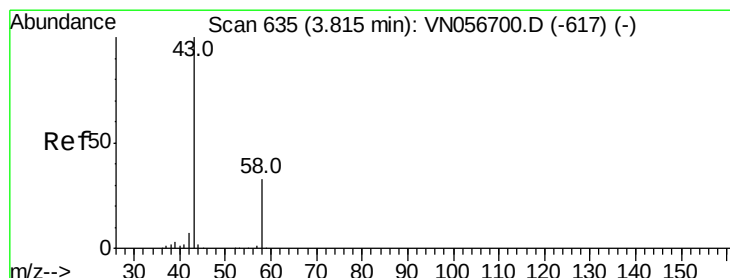
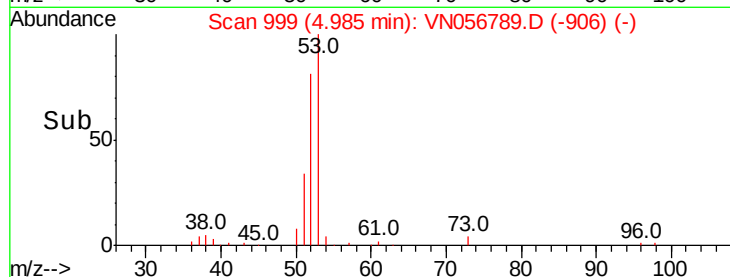
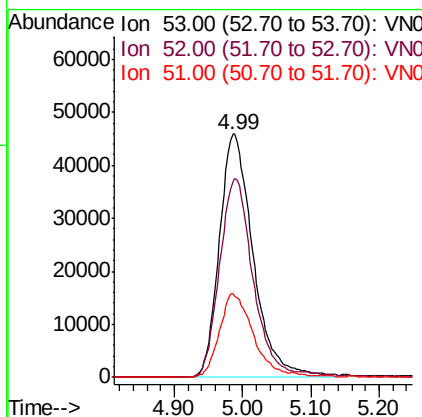
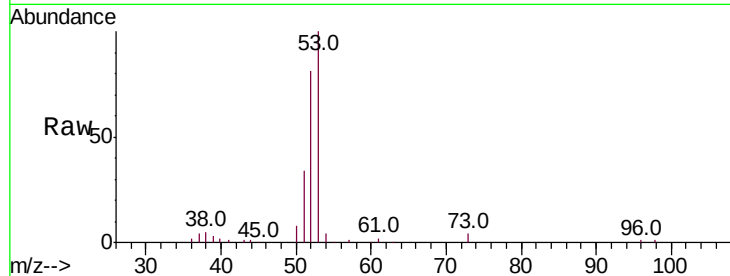
ClientSampleId :

VN0717WBS01

Tot Ion:	53	Resp:	158098
Ion Ratio	Lower	Upper	
53	100		
52	80.0	66.6	99.8
51	35.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 83.830 ug/l

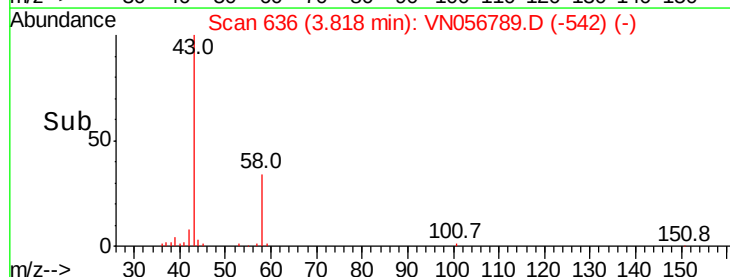
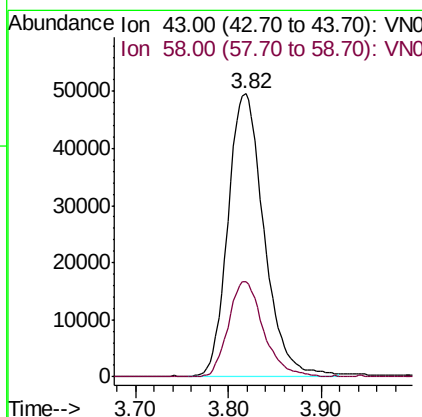
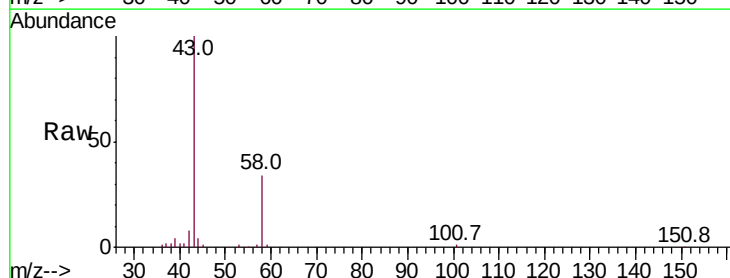
RT: 3.82 min Scan# 636

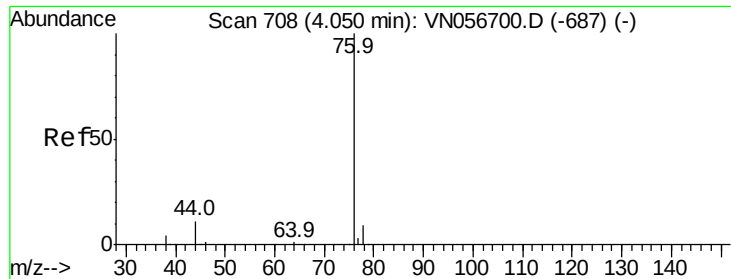
Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion:	43	Resp:	132684
Ion Ratio	Lower	Upper	
43	100		
58	33.8	26.7	40.1





#17

Carbon Disulfide

Concen: 16.173 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

VN0717WBS01

Tot Ion: 76 Resp: 124747

Ion Ratio Lower Upper

76 100

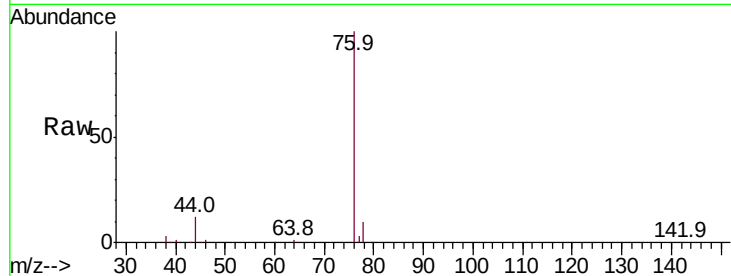
78 9.8 7.4 11.0

Manual Integrations

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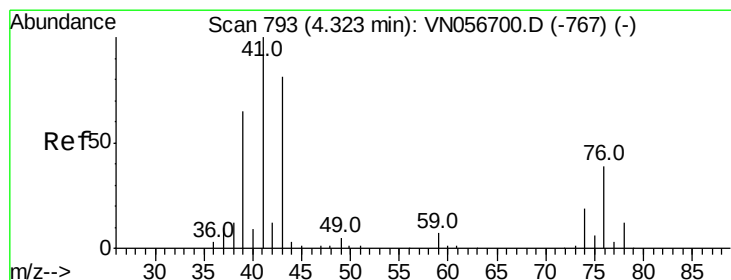
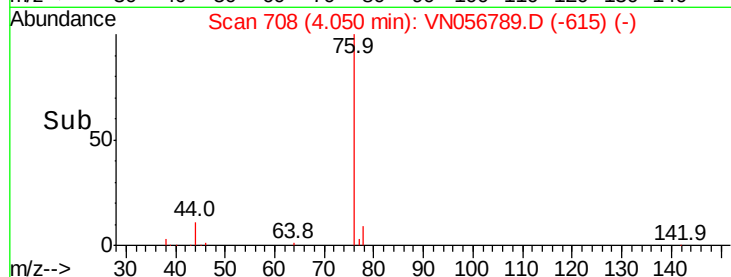
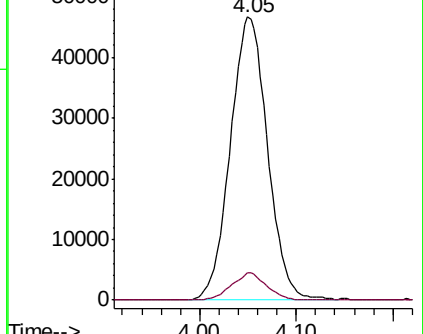
MMDadoda

7/19/2019 1:06:35 AM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 18.926 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056789.D

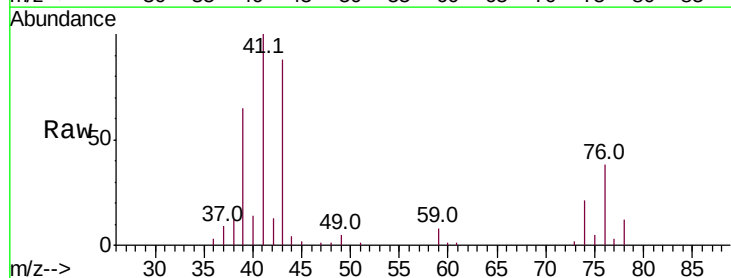
Acq: 17 Jul 2019 12:14

Tgt Ion: 43 Resp: 69427

Ion Ratio Lower Upper

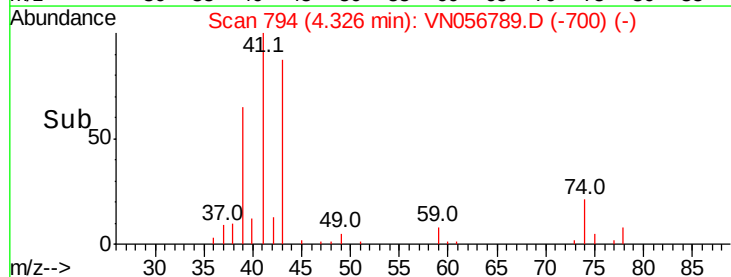
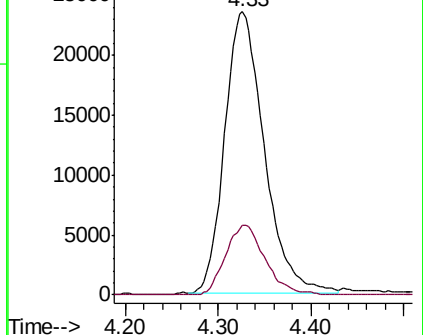
43 100

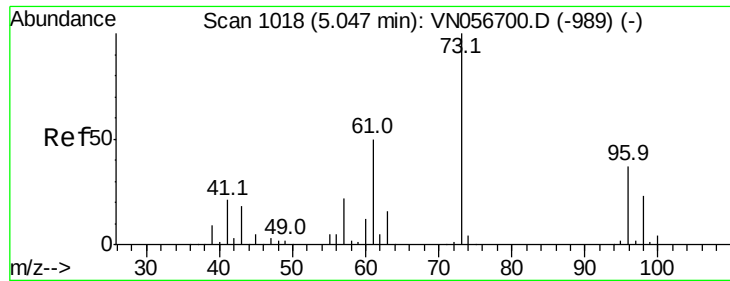
74 24.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





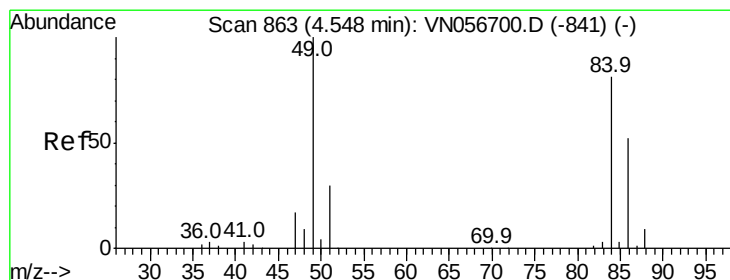
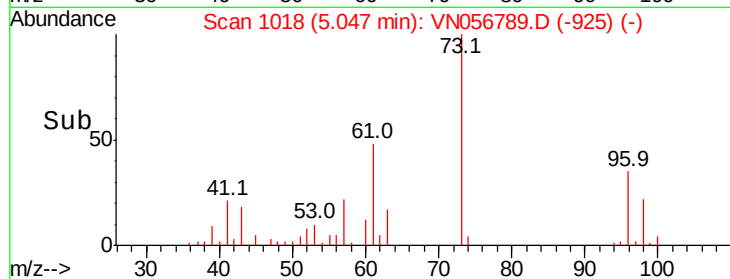
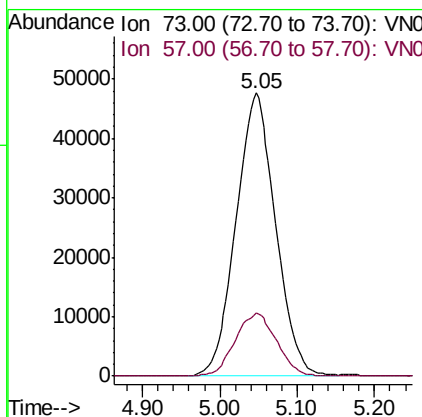
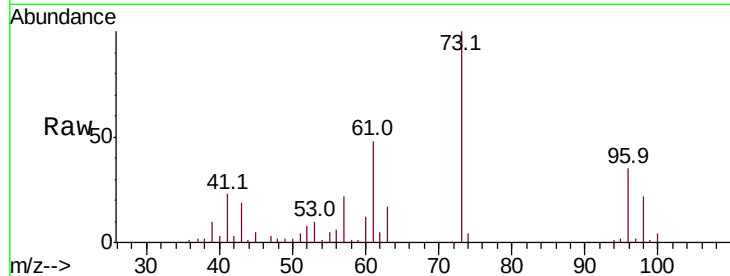
#19
Methyl tert-butyl Ether
Concen: 18.180 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

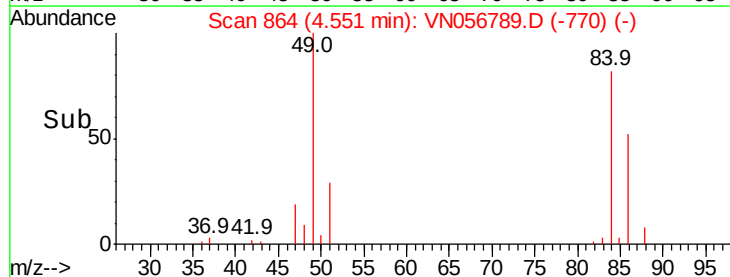
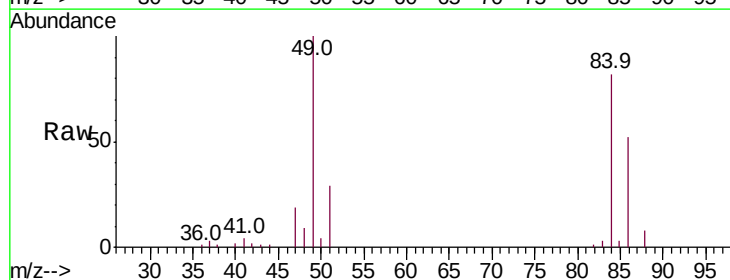
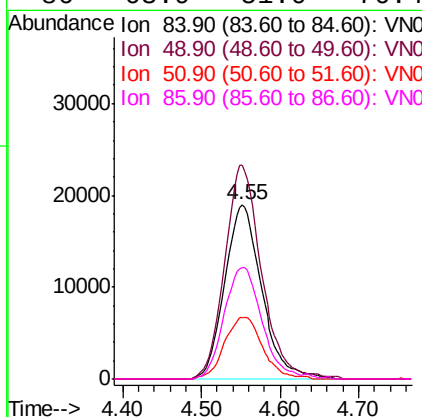
Manual Integrations
APPROVED

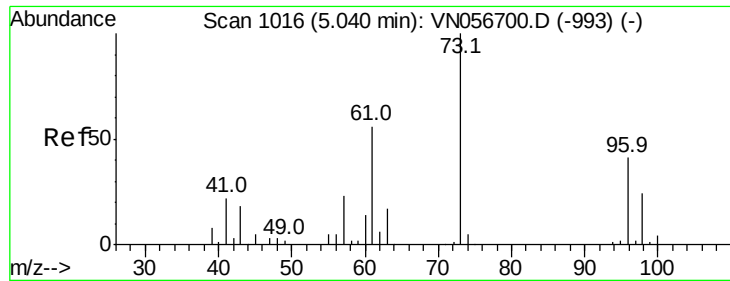
MMDadoda
7/19/2019 1:06:35 AM



#20
Methylene Chloride
Concen: 17.923 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	98.2	147.4
51	35.6	29.6	44.4
86	63.9	51.0	76.4





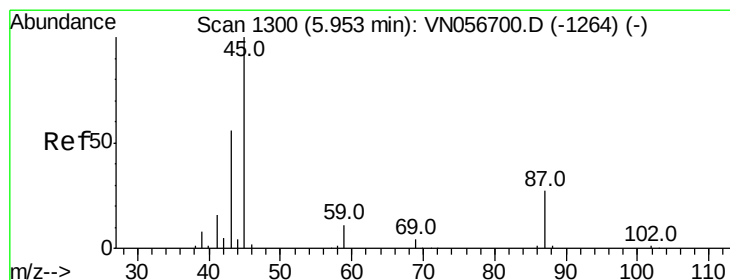
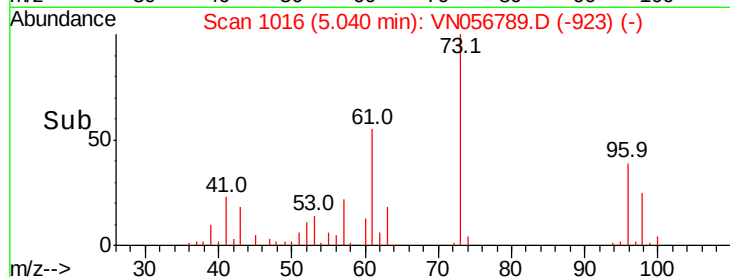
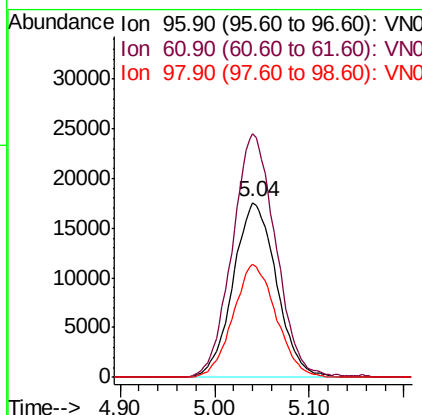
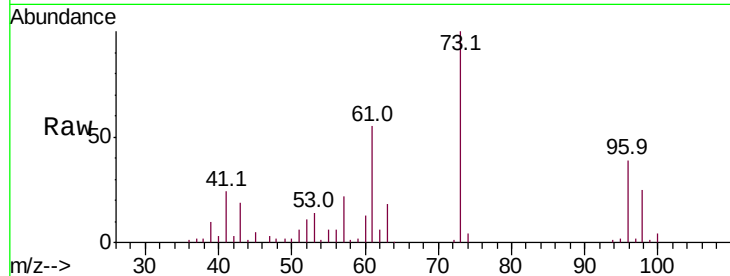
#21
trans-1,2-Dichloroethene
Concen: 18.109 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	109.4	164.2
98	64.6	48.0	72.0

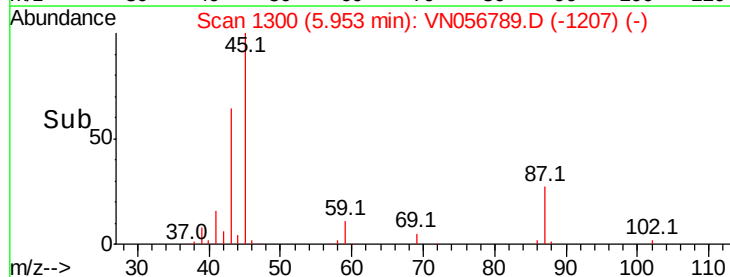
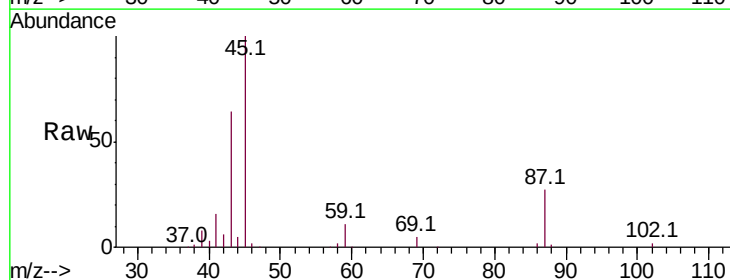
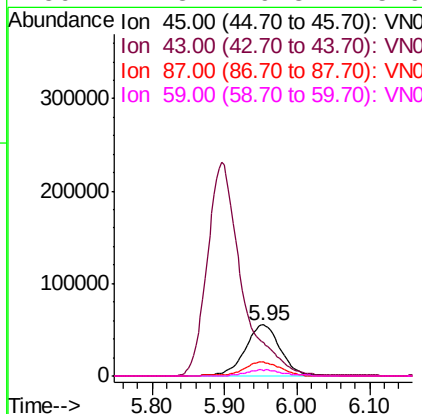
Manual Integrations
APPROVED

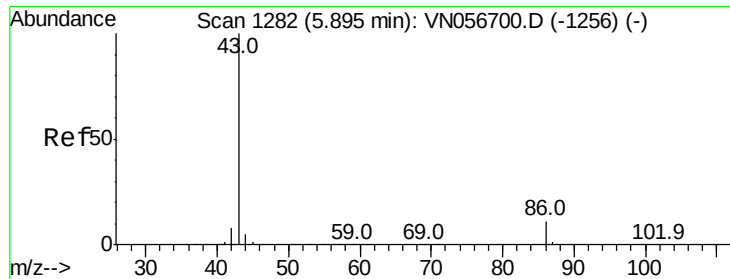
MMDadoda
7/19/2019 1:06:35 AM



#22
Diisopropyl ether
Concen: 18.803 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	45.6	68.4
87	26.7	22.0	33.0
59	11.3	9.3	13.9





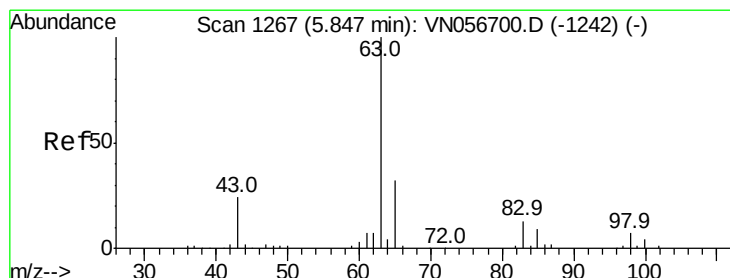
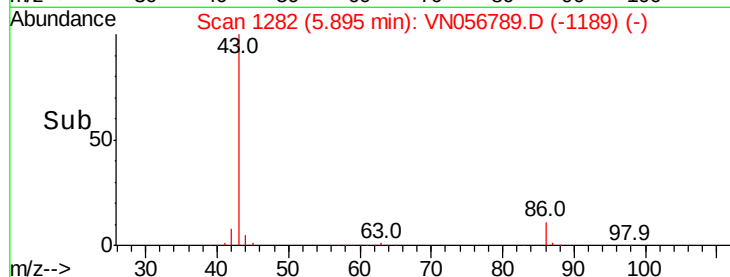
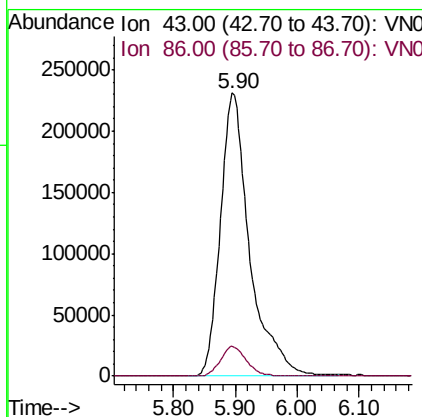
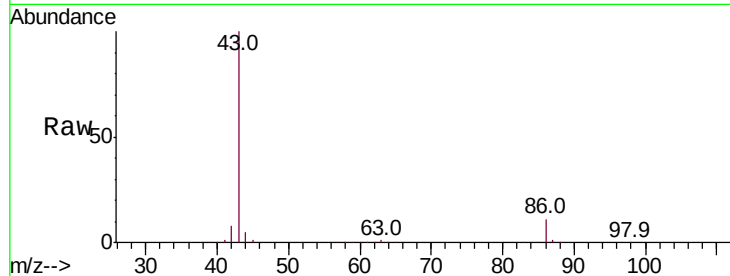
#23
 Vinyl Acetate
 Concen: 94.324 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0717WBS01

Tot Ion	43	86	Ratio	100	10.5	Resp	761593	Lower	8.5	Upper	12.7
Ion	43	86	Ratio	100	10.5	Resp	761593	Lower	8.5	Upper	12.7

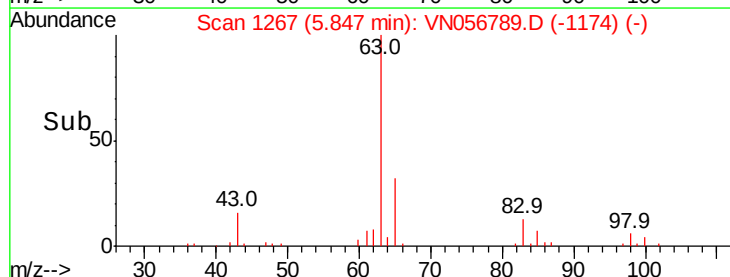
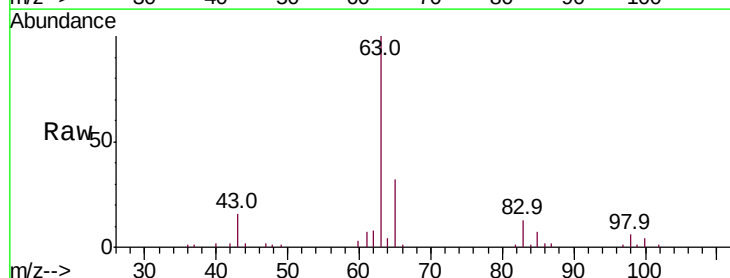
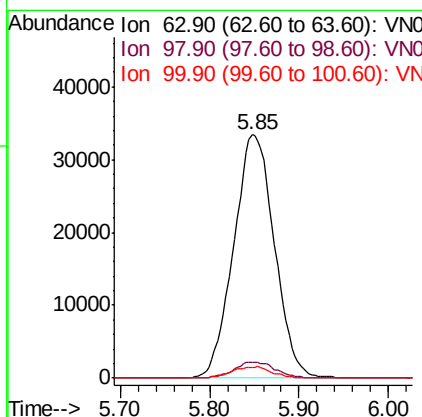
Manual Integrations
 APPROVED

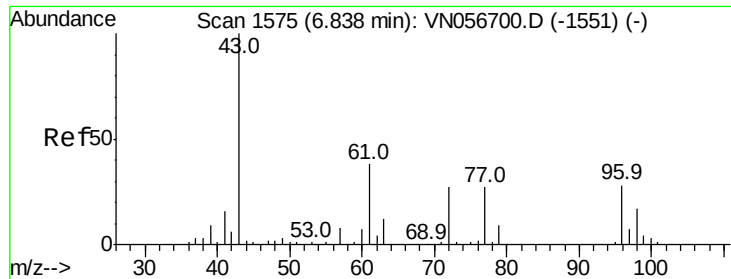
MMDadoda
 7/19/2019 1:06:35 AM



#24
 1,1-Dichloroethane
 Concen: 18.329 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion	63	98	100	Ratio	100	6.5	4.4	Resp	105881	Lower	3.3	2.0	Upper	9.9	5.8
Ion	63	98	100	Ratio	100	6.5	4.4	Resp	105881	Lower	3.3	2.0	Upper	9.9	5.8





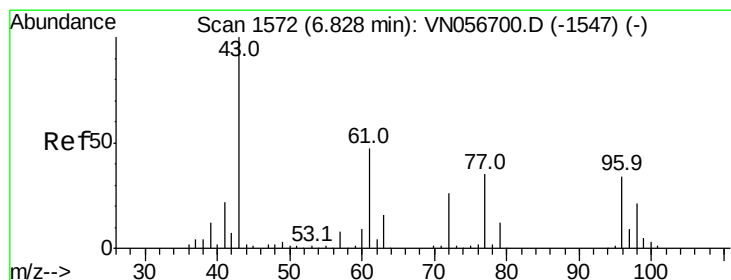
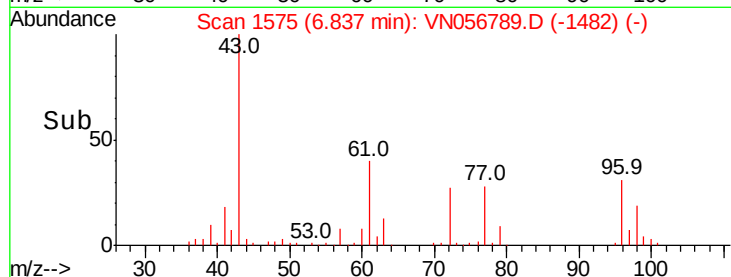
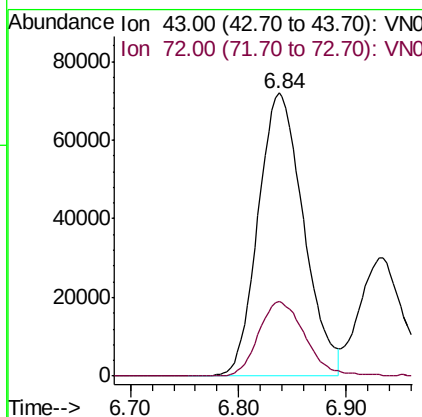
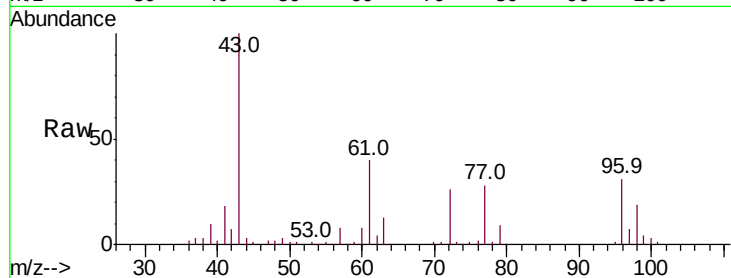
#25
2-Butanone
Concen: 90.800 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion: 43 Resp: 210112
Ion Ratio Lower Upper
43 100
72 26.5 21.2 31.8

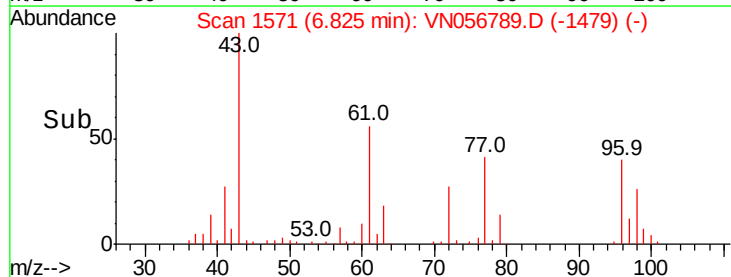
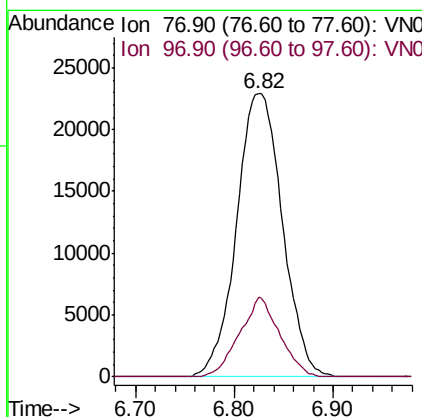
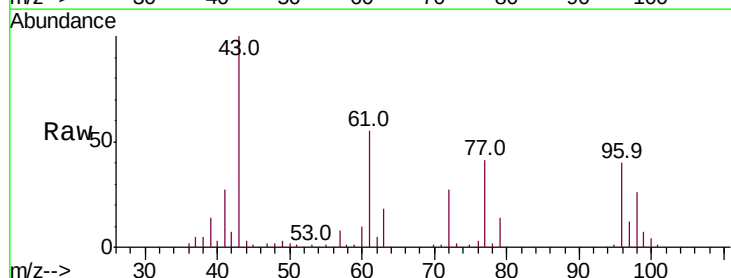
Manual Integrations
APPROVED

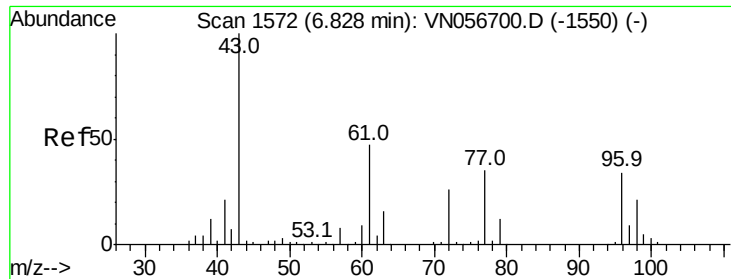
MMDadoda
7/19/2019 1:06:35 AM



#26
2,2-Dichloropropane
Concen: 17.644 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion: 77 Resp: 73492
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 18.772 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 96 Resp: 66648

Ion Ratio Lower Upper

96 100

61 138.3 0.0 281.4

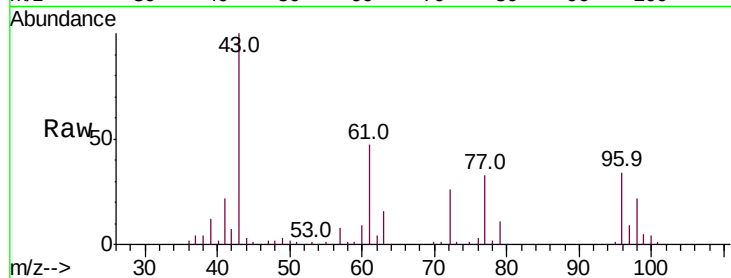
98 65.0 0.0 127.8

Manual Integrations

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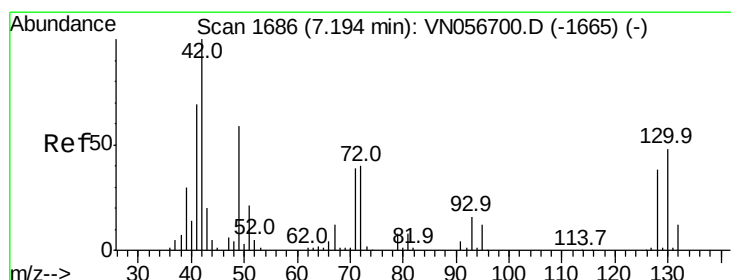
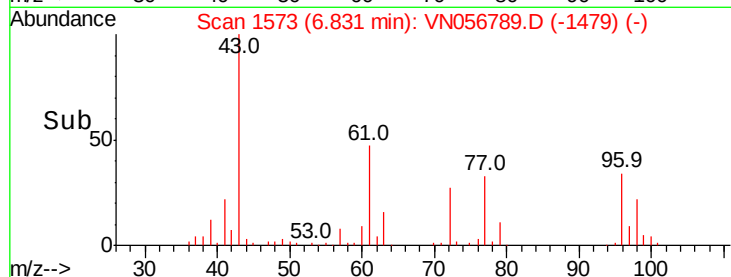
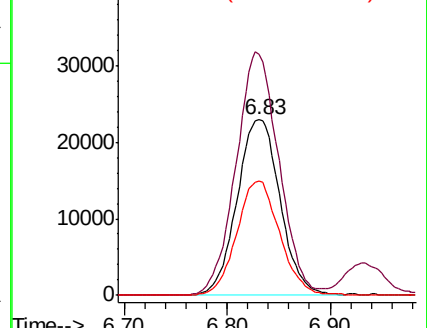
7/19/2019 1:06:35 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.476 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

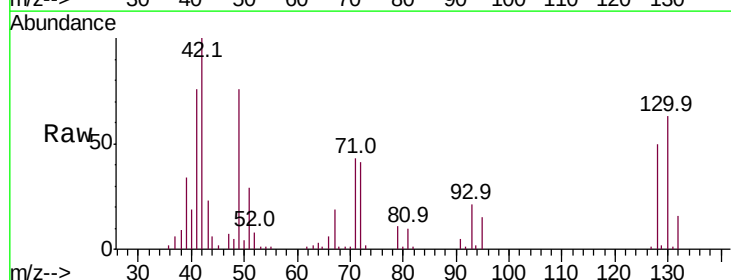
Tgt Ion: 49 Resp: 58332

Ion Ratio Lower Upper

49 100

129 1.1 0.0 4.0

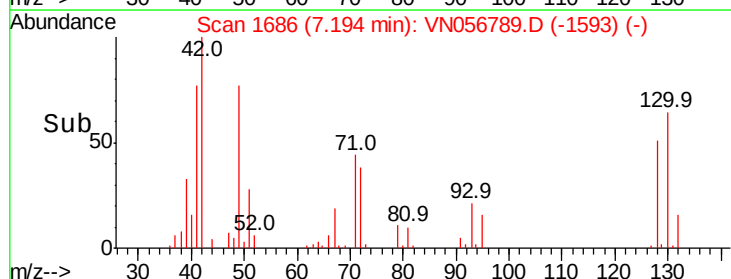
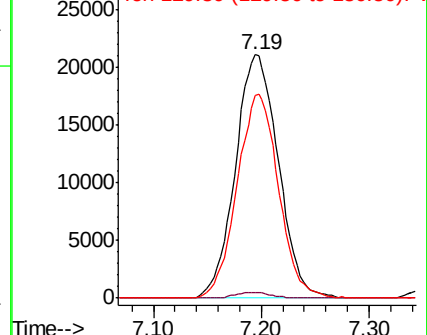
130 80.9 64.7 97.1

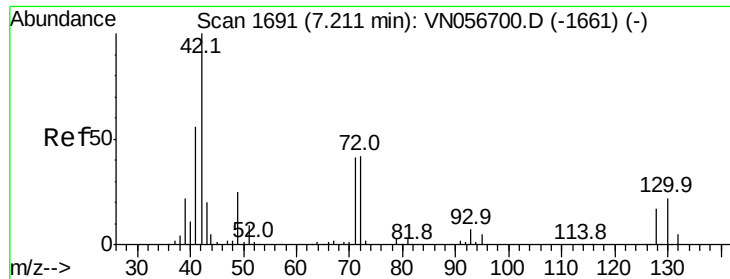


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





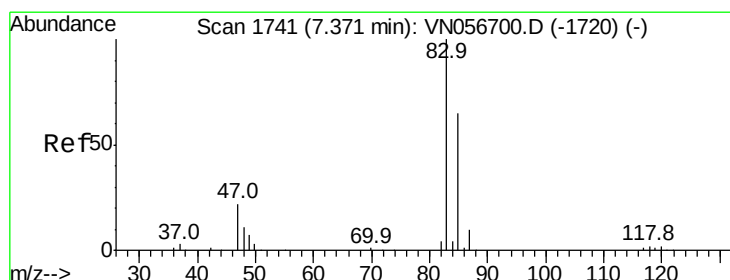
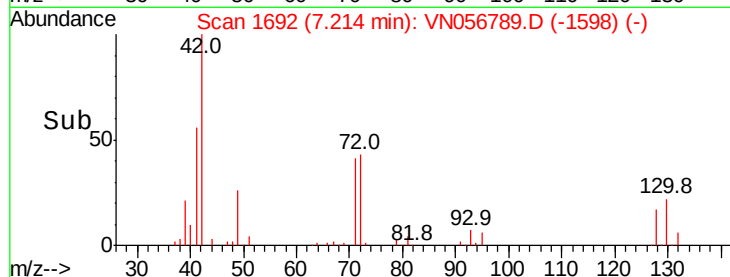
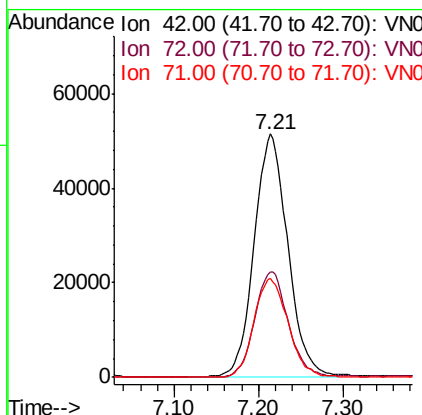
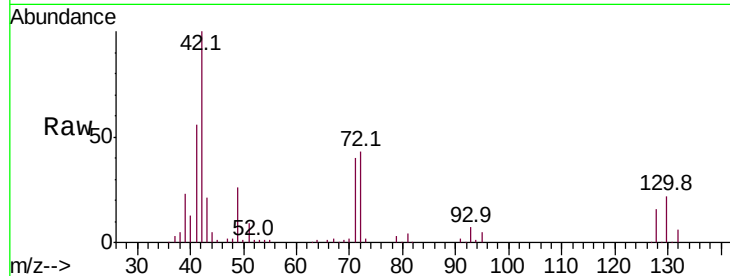
#29
Tetrahydrofuran
Concen: 94.987 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.5	50.3
71	41.0	31.8	47.8

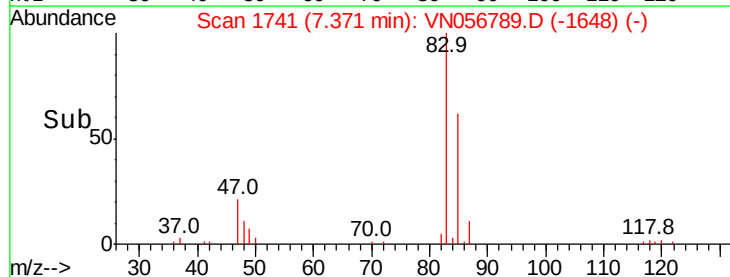
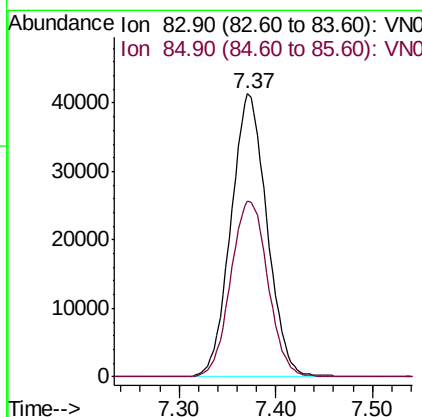
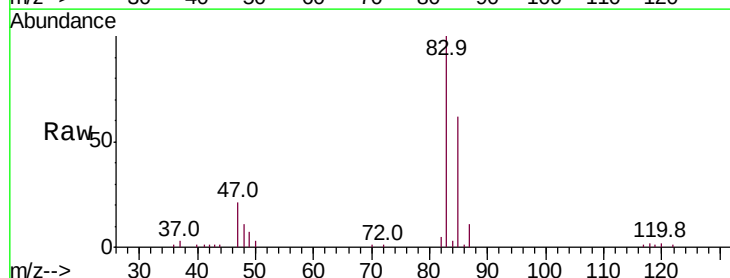
Manual Integrations
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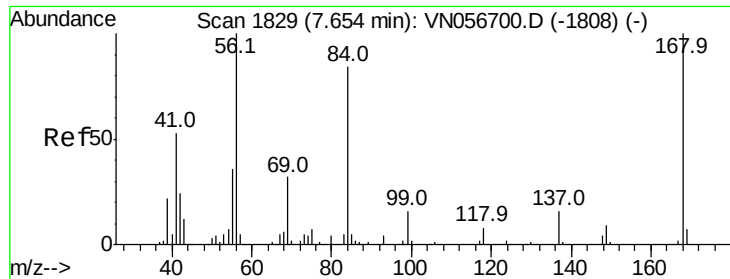
MMDadoda
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#30
Chloroform
Concen: 18.499 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.9	77.9





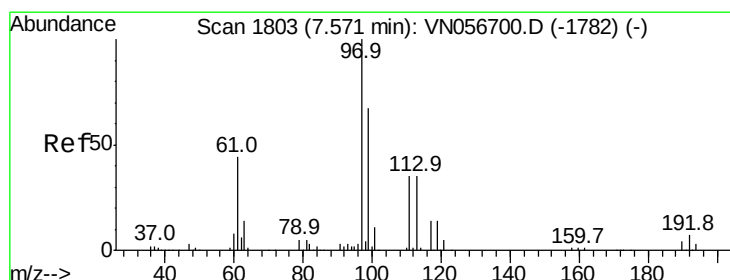
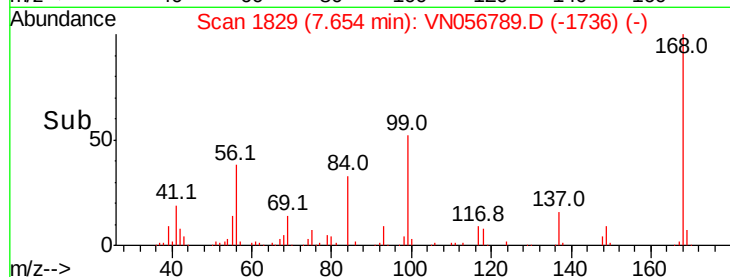
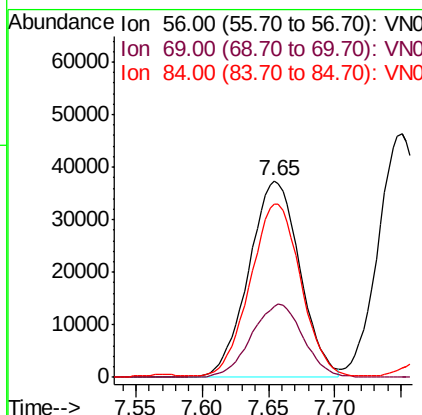
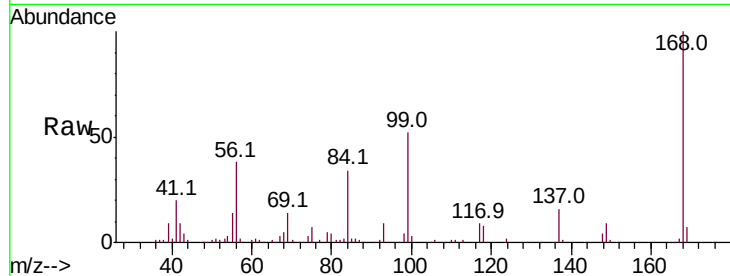
#31
Cyclohexane
Concen: 18.265 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.8	38.8
84	87.4	67.4	101.0

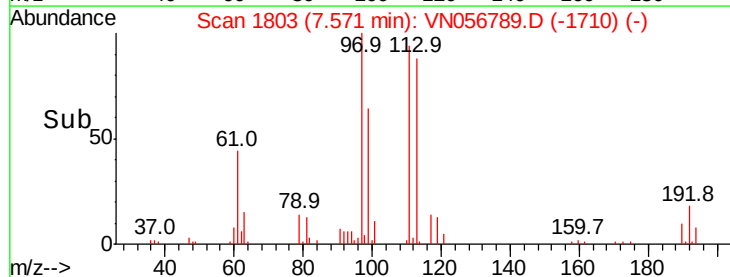
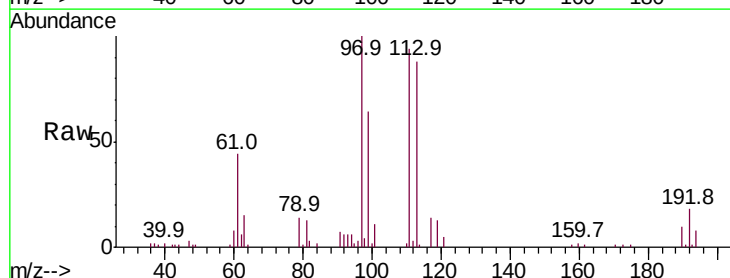
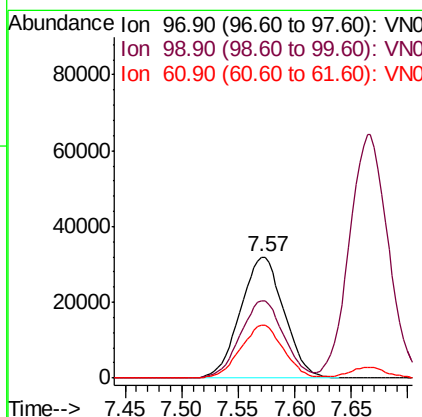
Manual Integrations
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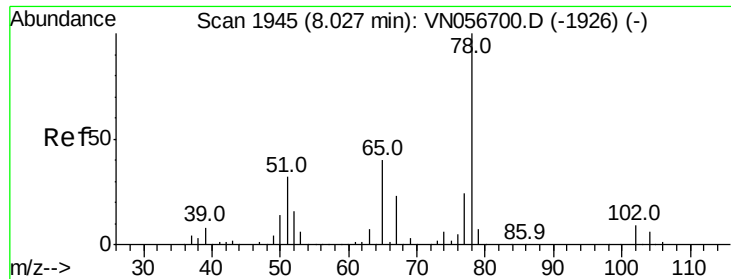
MMDadoda
7/19/2019 1:06:35 AM



#32
1,1,1-Trichloroethane
Concen: 18.698 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	42.8	34.3	51.5





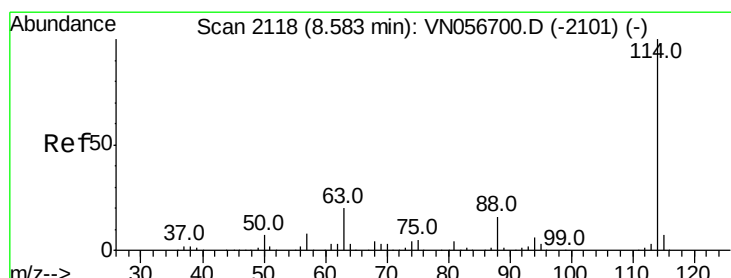
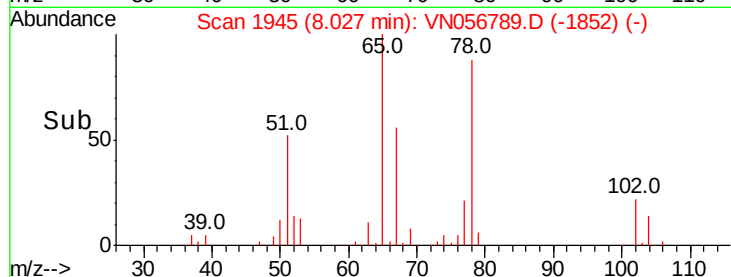
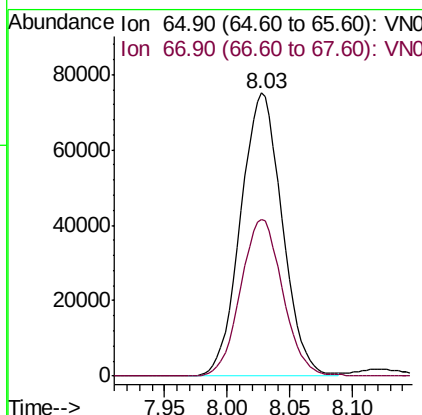
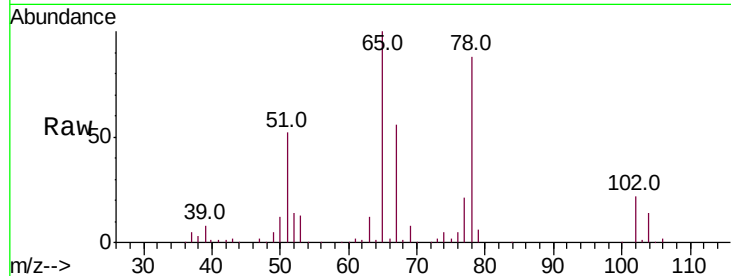
#33
 1,2-Dichloroethane-d4
 Concen: 50.476 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.1	0.0	109.0	

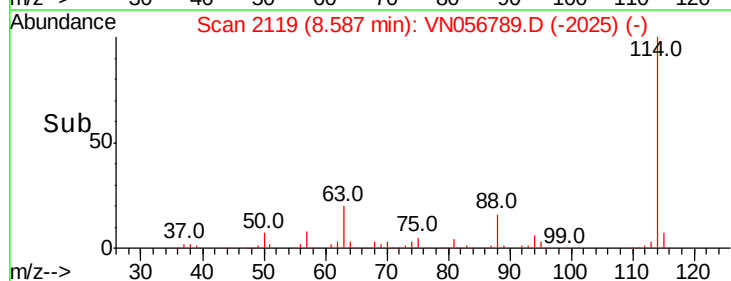
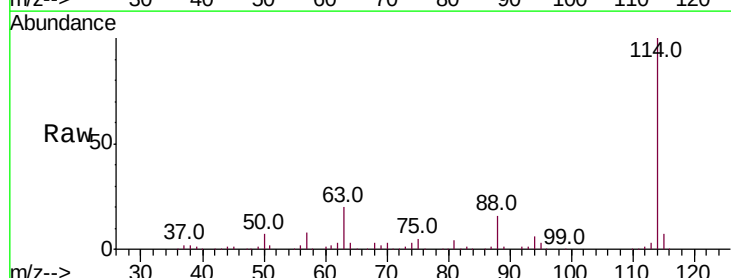
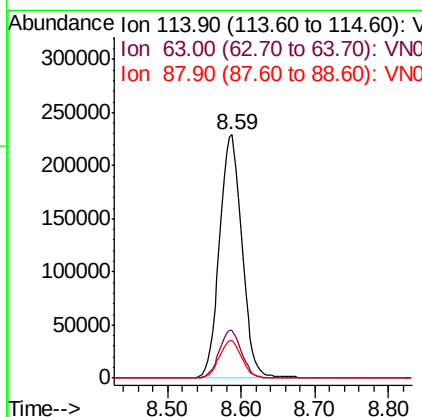
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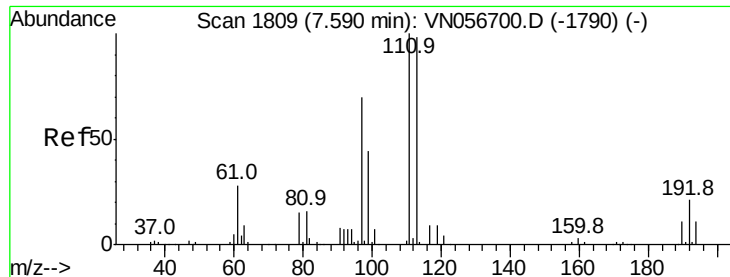
MMDadoda
 7/19/2019 1:06:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	39.4	
88	15.6	0.0	31.2	





#35

Dibromofluoromethane

Concen: 51.626 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

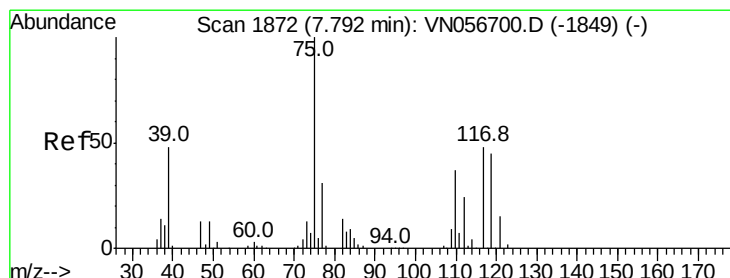
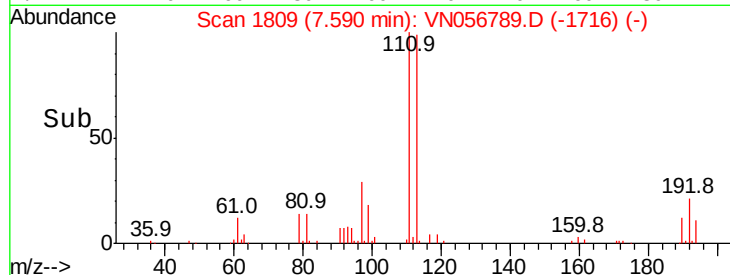
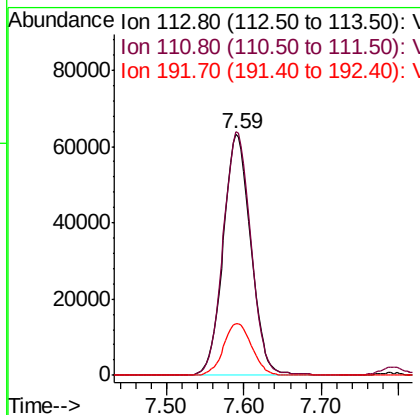
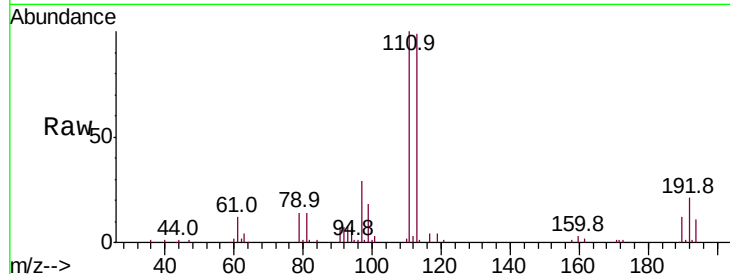
ClientSampleId :

VN0717WBS01

Tot Ion:	113	Resp:	156363
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.8	122.6
192	22.0	17.5	26.3

Manual Integrations
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MMDadoda
7/19/2019 1:06:35 AM



#36

1,1-Dichloropropene

Concen: 17.396 ug/l

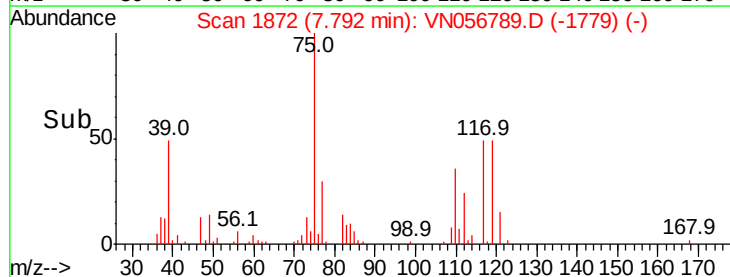
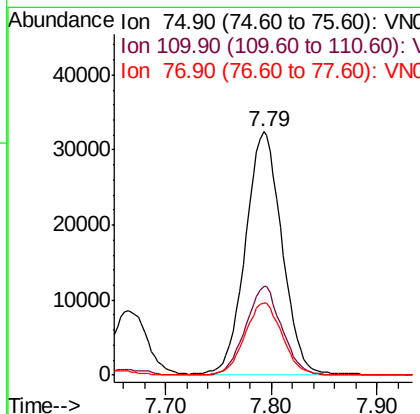
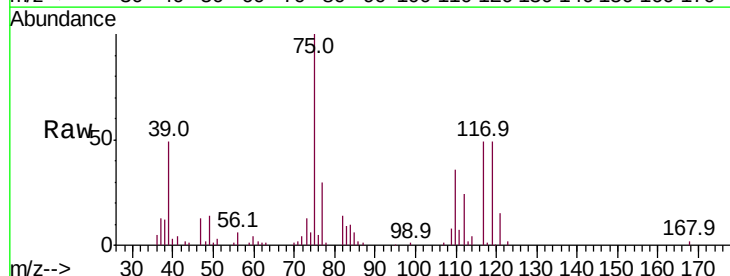
RT: 7.79 min Scan# 1872

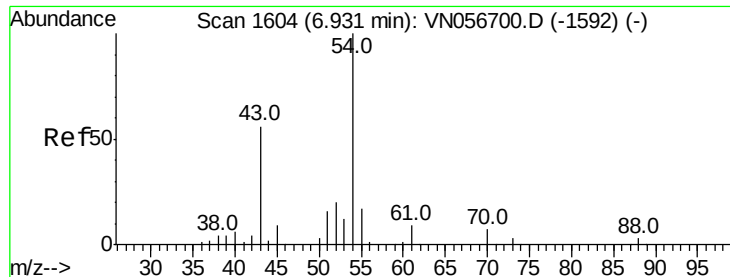
Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion:	75	Resp:	78345
Ion Ratio	Lower	Upper	
75	100		
110	35.7	18.4	55.4
77	30.2	24.6	36.8





#37

Ethyl Acetate

Concen: 19.172 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

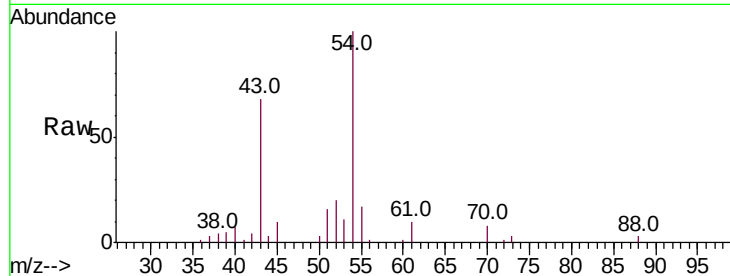
ClientSampleId :

VN0717WBS01

Tot Ion:	43	Resp:	85100
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.3	16.9
70	10.5	8.5	12.7

Manual Integrations
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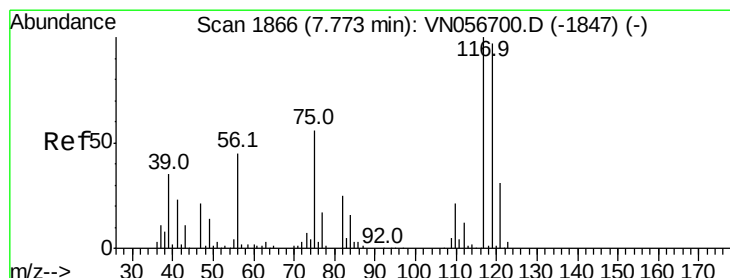
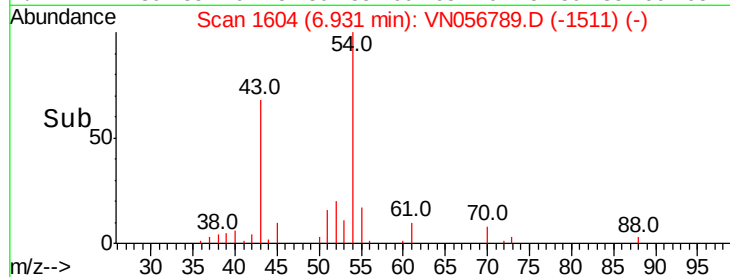
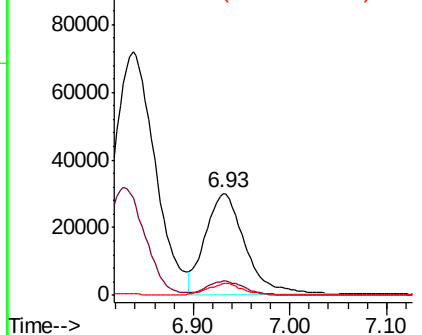


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 17.436 ug/l

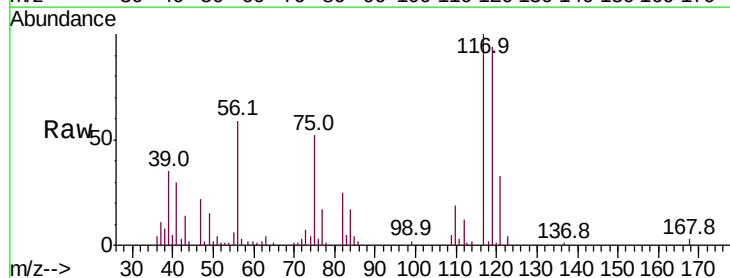
RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion:	117	Resp:	73642
Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.5	116.3
121	32.8	24.7	37.1

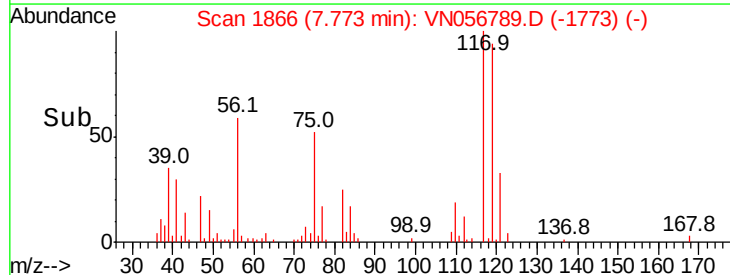
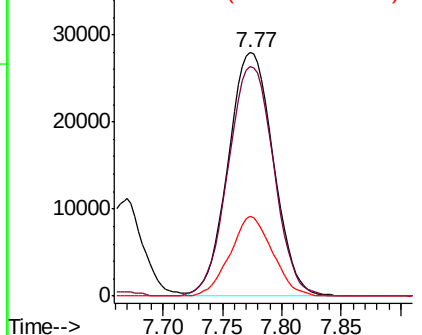


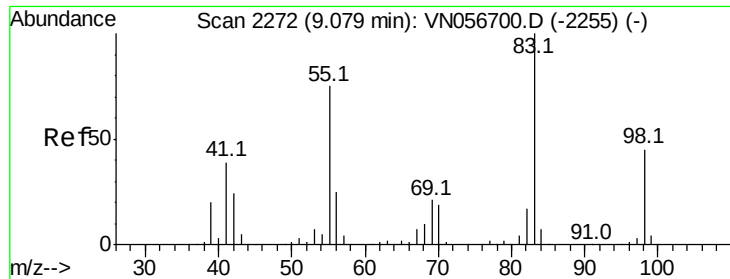
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





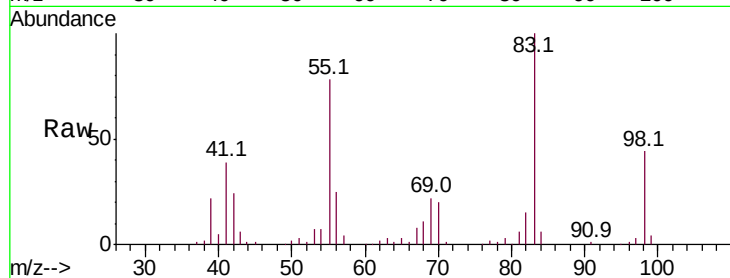
#39
Methylvlcyclohexane
Concen: 16.936 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

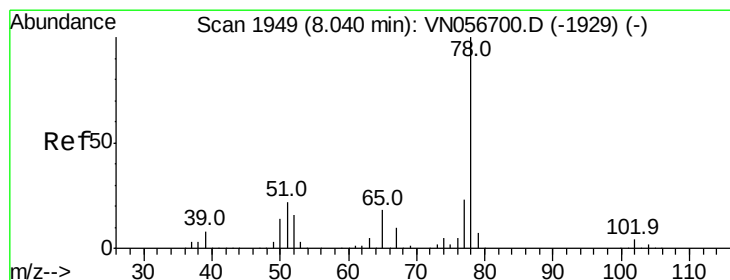
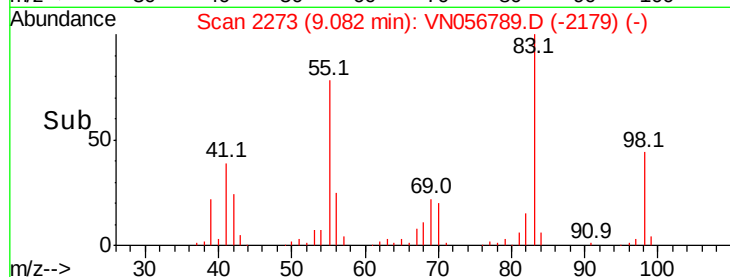
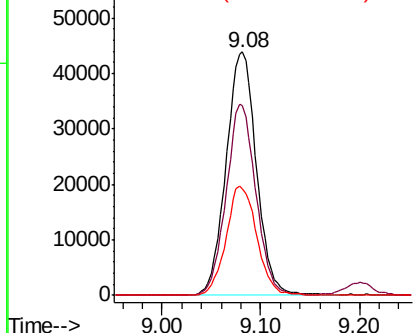
Tot Ion: 83 Resp: 94180
Ion Ratio Lower Upper
83 100
55 78.0 60.4 90.6
98 43.7 35.8 53.8

Manual Integrations
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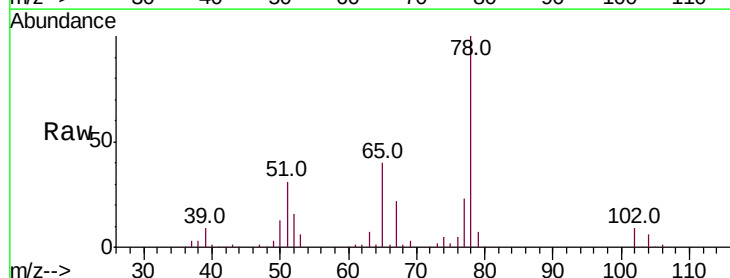


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

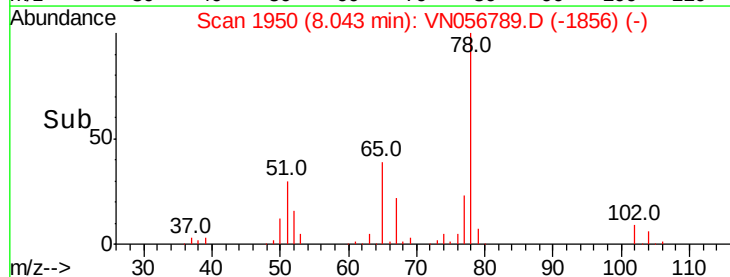
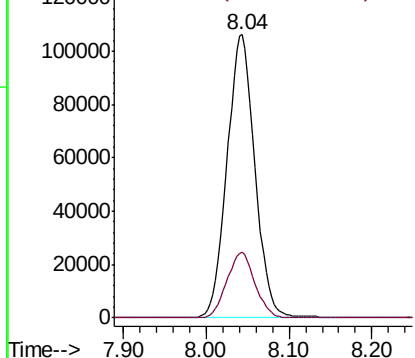


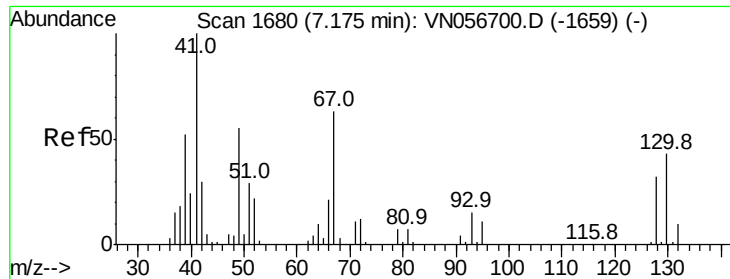
#40
Benzene
Concen: 17.994 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion: 78 Resp: 248308
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





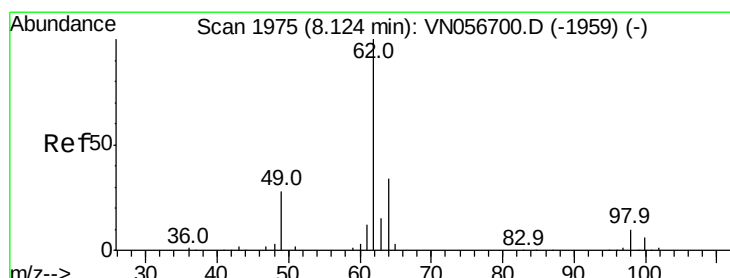
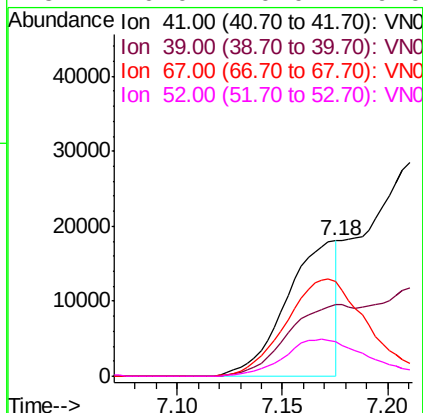
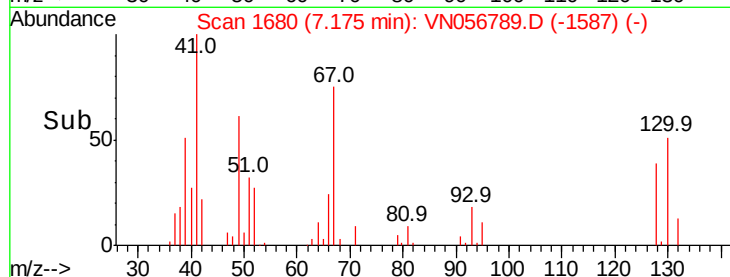
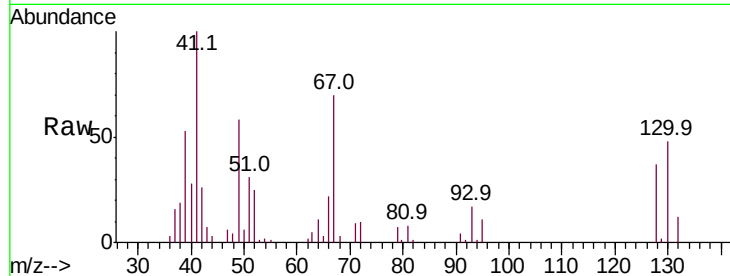
#41
Methacrylonitrile
Concen: 15.259 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	41	Resp	29751
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

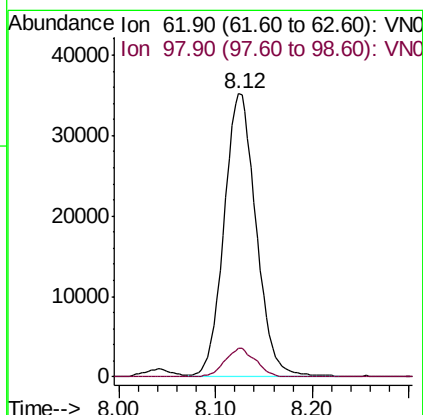
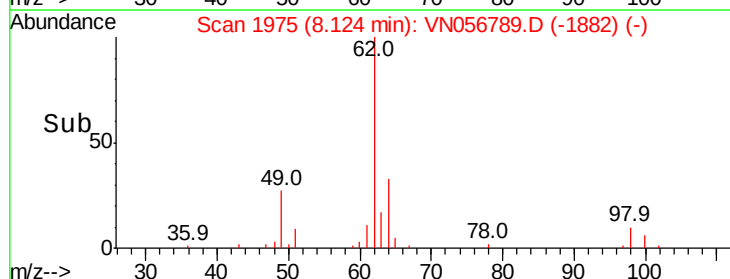
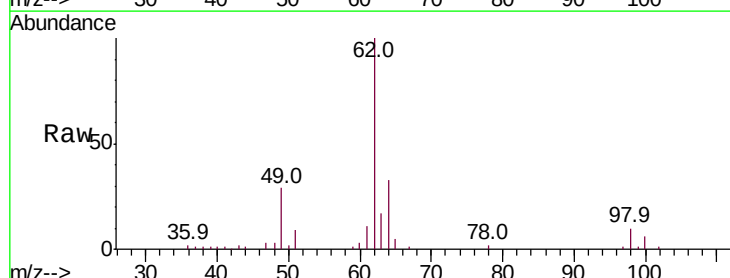
Manual Integrations
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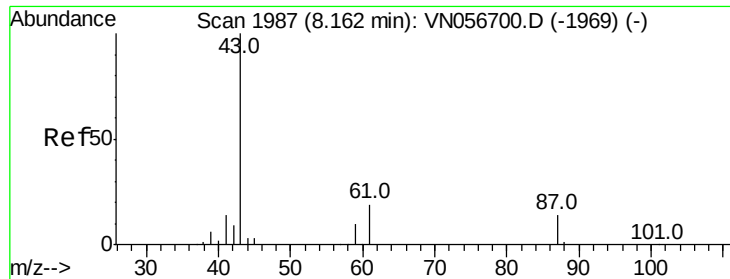
MMDadoda
7/19/2019 1:06:35 AM



#42
1,2-Dichloroethane
Concen: 18.609 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	62	Resp	81159
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 18.369 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

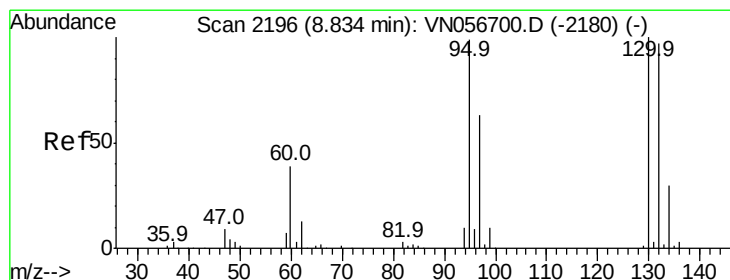
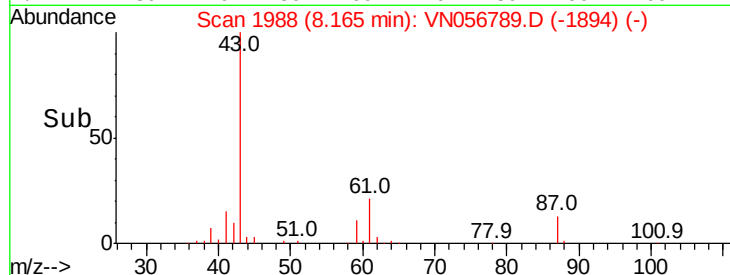
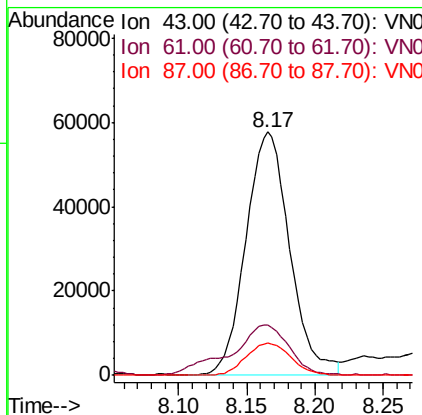
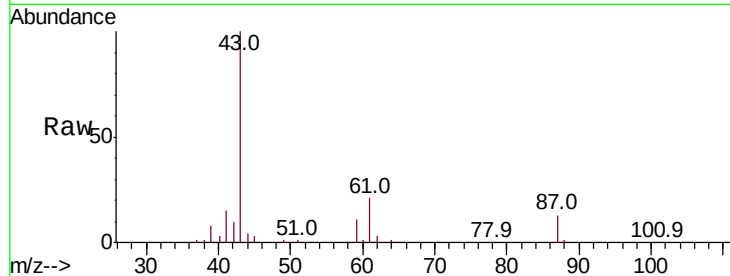
ClientSampleId :

VN0717WBS01

Tot Ion:	43	Resp:	128184
Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.3	33.5
87	13.5	11.1	16.7

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#44

Trichloroethene

Concen: 17.693 ug/l

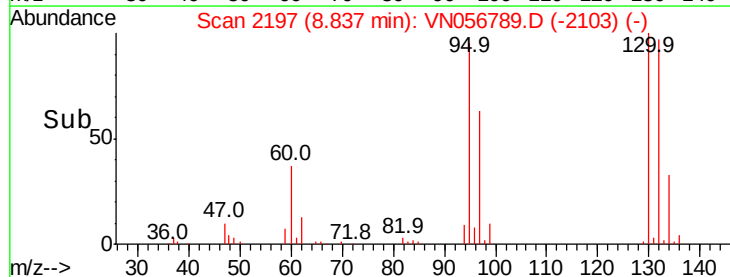
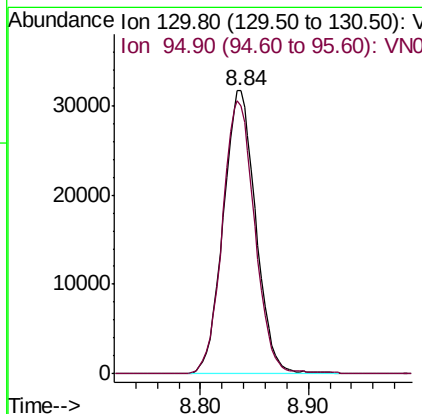
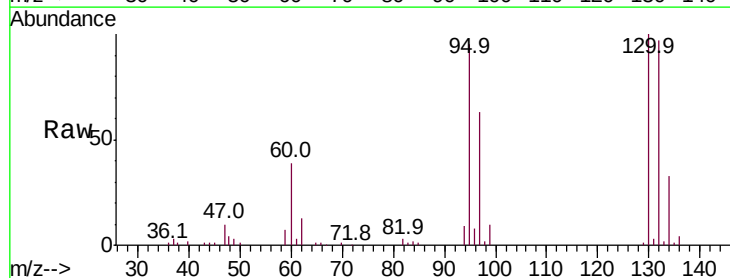
RT: 8.84 min Scan# 2197

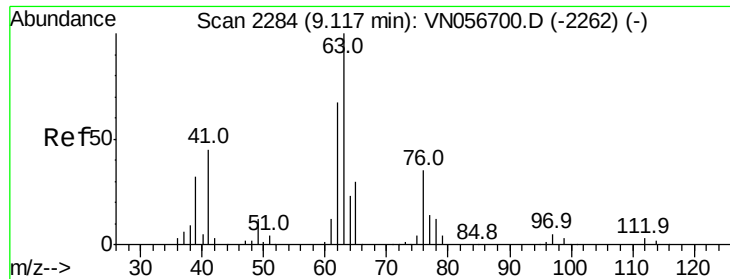
Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion:	130	Resp:	66300
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	197.2





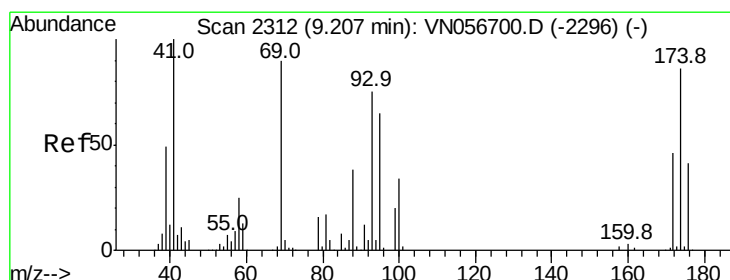
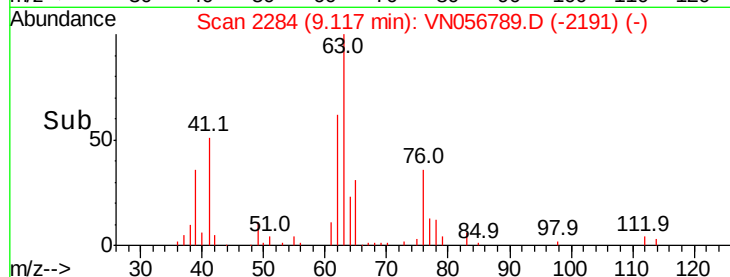
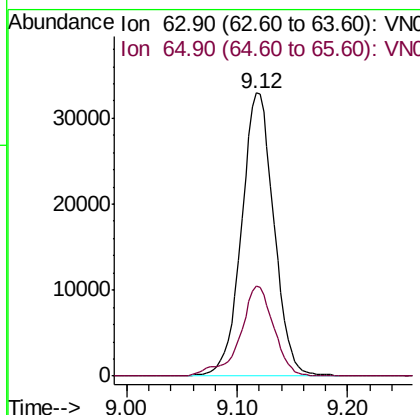
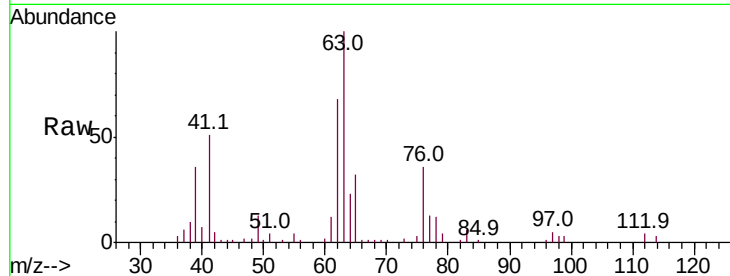
#45
 1,2-Dichloropropane
 Concen: 18.250 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion: 63 Resp: 66918
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.0 36.0

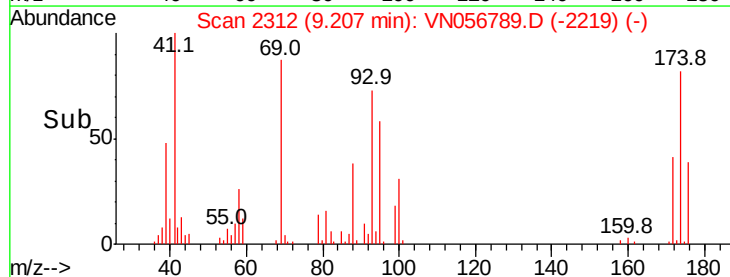
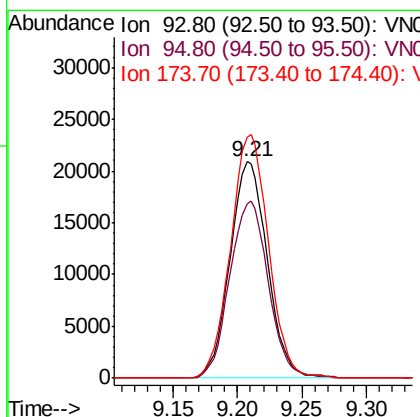
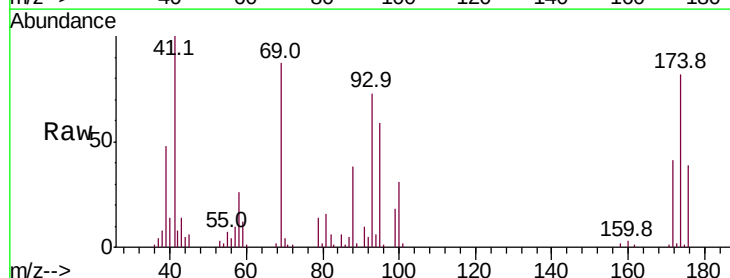
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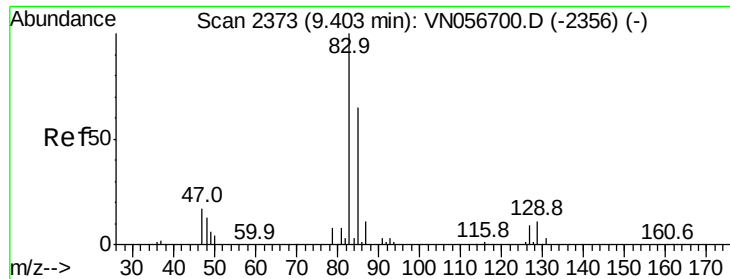
MMDadoda
 7/19/2019 1:06:35 AM



#46
 Dibromomethane
 Concen: 18.551 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion: 93 Resp: 42153
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.4 101.0
 174 114.1 90.3 135.5





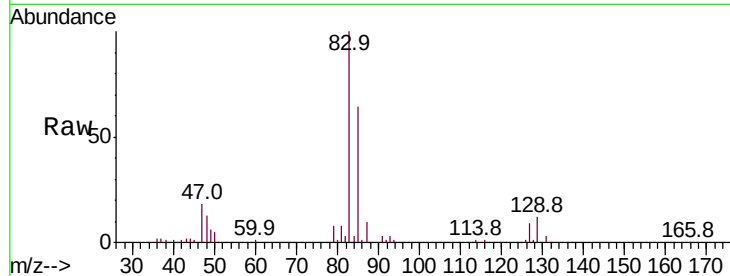
#47
Bromodichloromethane
Concen: 18.113 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

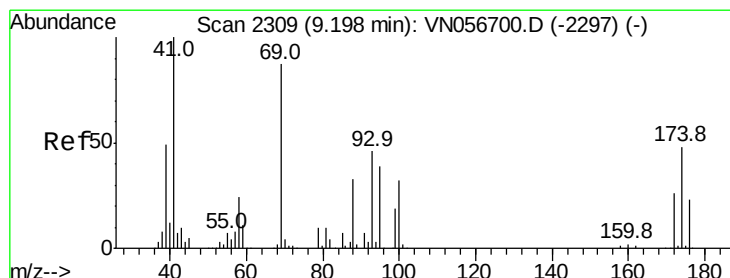
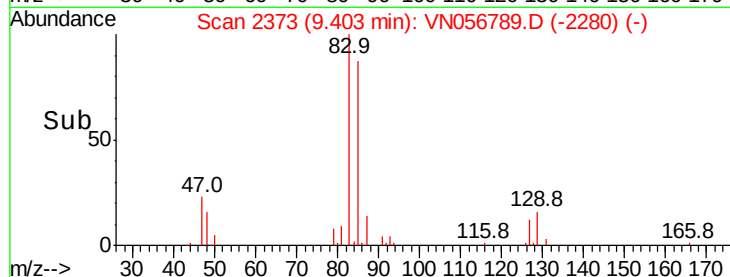
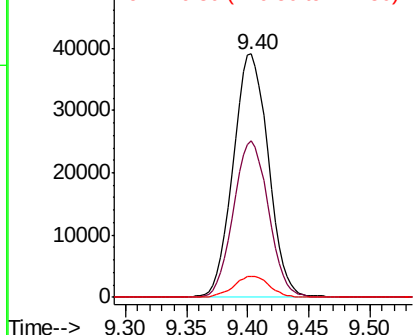
Tot Ion	83	Resp	78213
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	52.3	78.5
127	8.6	7.6	11.4

Manual Integrations
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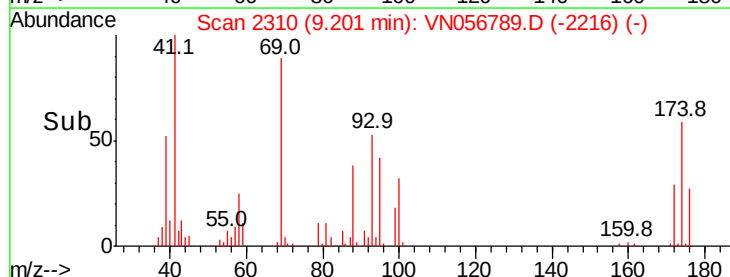
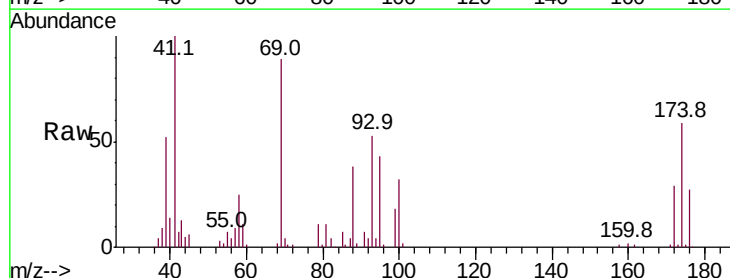
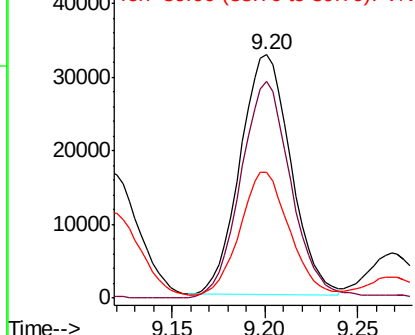
Abundance Ion 82.90 (82.60 to 83.60): VN056789.D (-2280) (-)

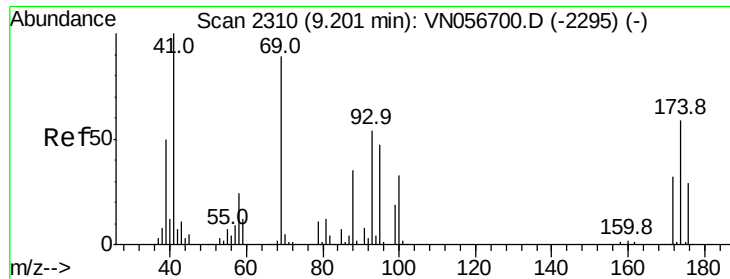


#48
Methyl methacrylate
Concen: 18.353 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	41	Resp	61935
Ion Ratio	100	Lower	Upper
41	100		
69	90.0	71.4	107.0
39	52.7	41.2	61.8

Abundance Ion 41.00 (40.70 to 41.70): VN056789.D (-2216) (-)





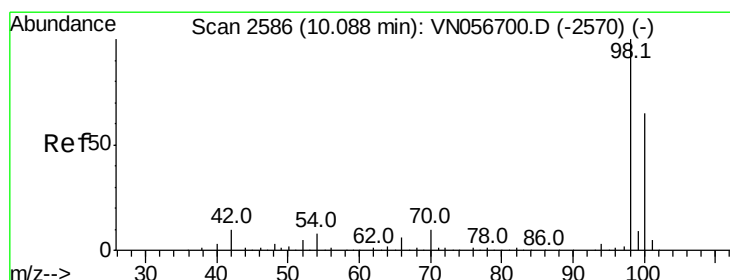
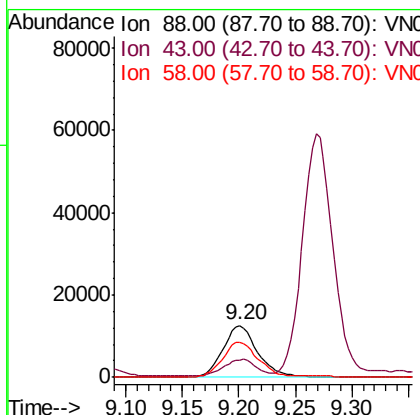
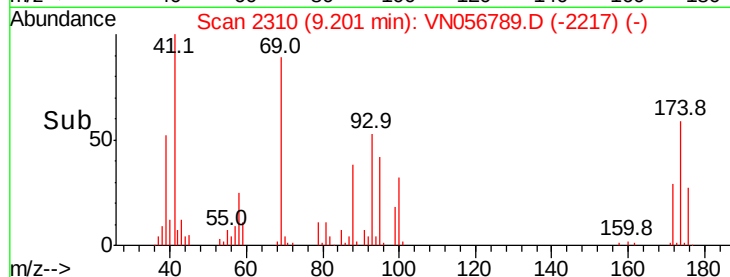
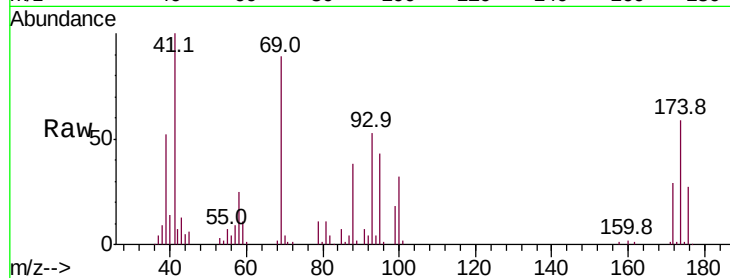
#49
 1,4-Dioxane
 Concen: 390.797 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	23.7	35.5
58	68.8	55.6	83.4

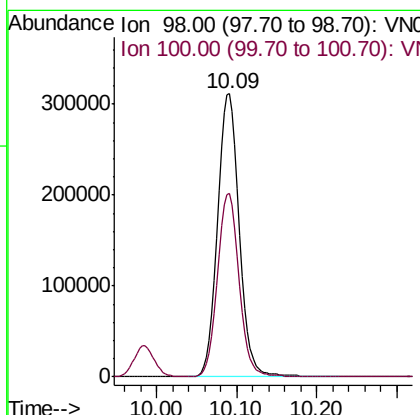
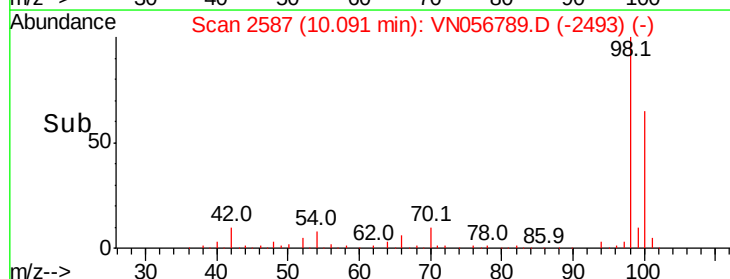
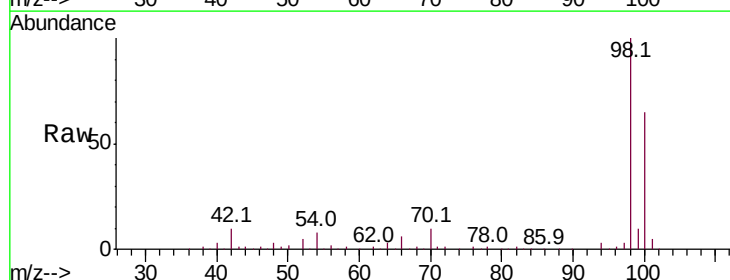
Manual Integrations
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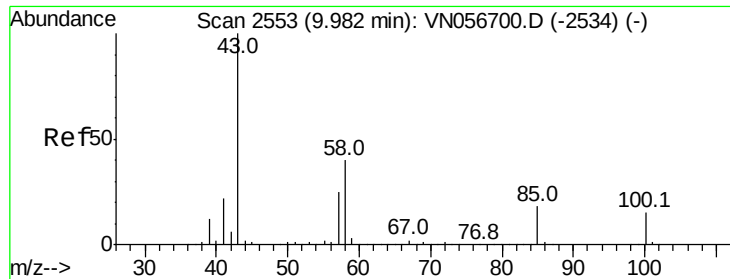
MMDadoda
 7/19/2019 1:06:35 AM



#50
 Toluene-d8
 Concen: 50.237 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 92.568 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 43 Resp: 418374

Ion Ratio Lower Upper

43 100

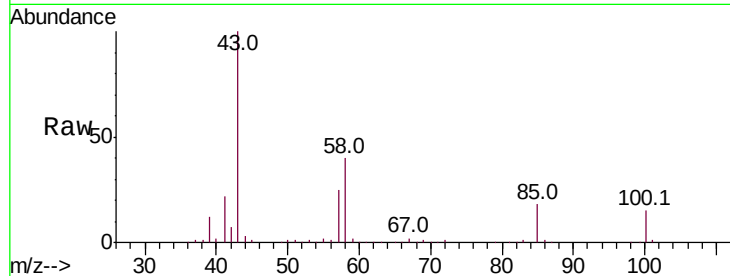
58 40.2 32.0 48.0

Manual Integrations

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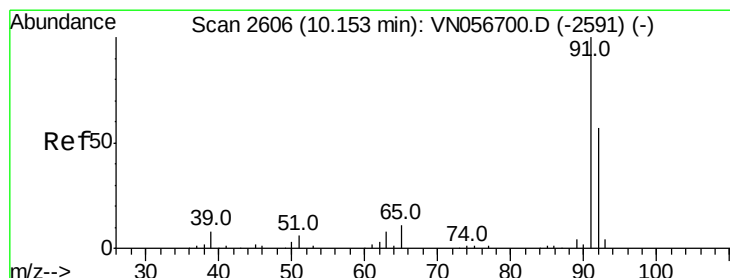
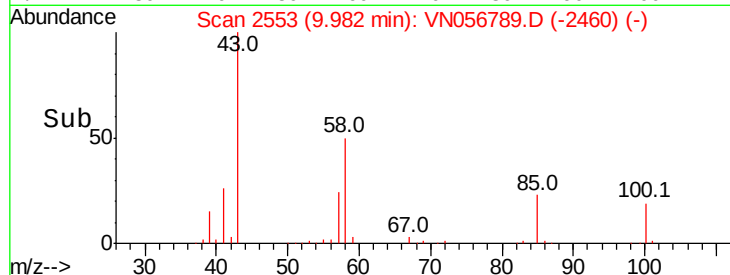
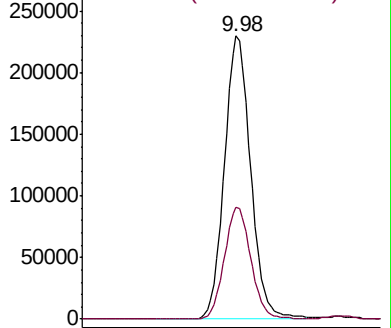
MMDadoda

7/19/2019 1:06:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.366 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056789.D

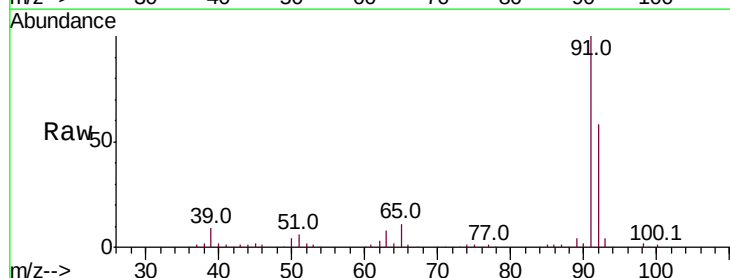
Acq: 17 Jul 2019 12:14

Tgt Ion: 92 Resp: 150515

Ion Ratio Lower Upper

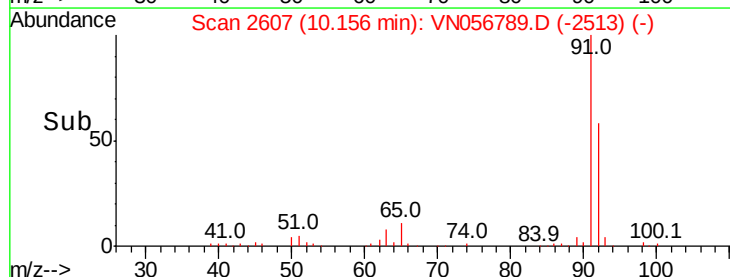
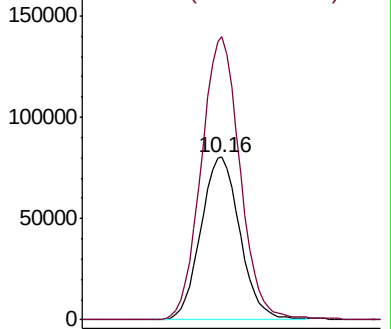
92 100

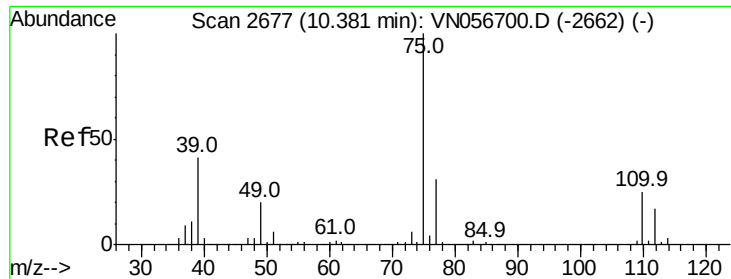
91 173.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





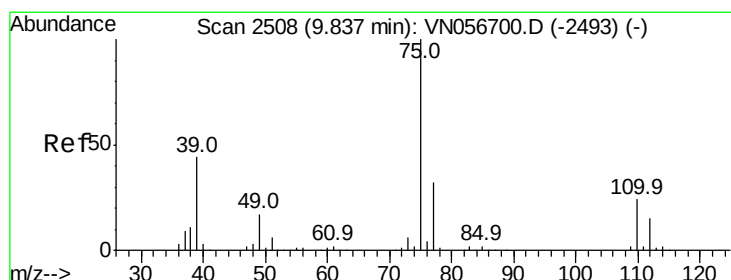
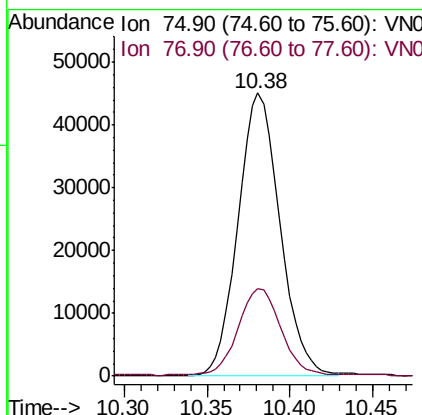
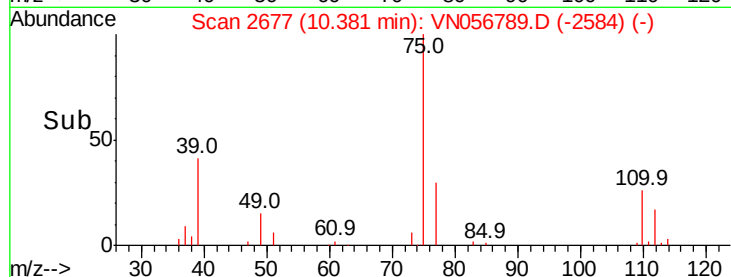
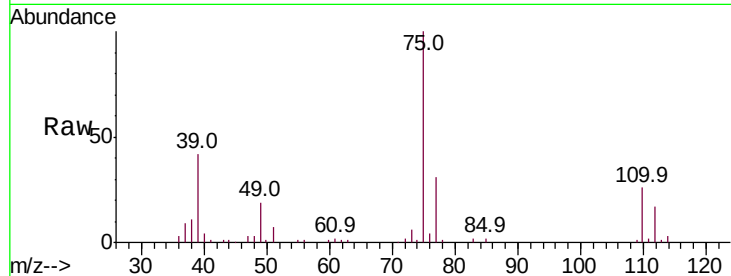
#53
t-1,3-Dichloropropene
Concen: 17.647 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion: 75 Resp: 79499
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.6

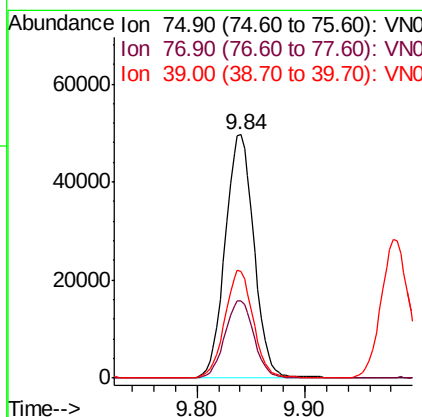
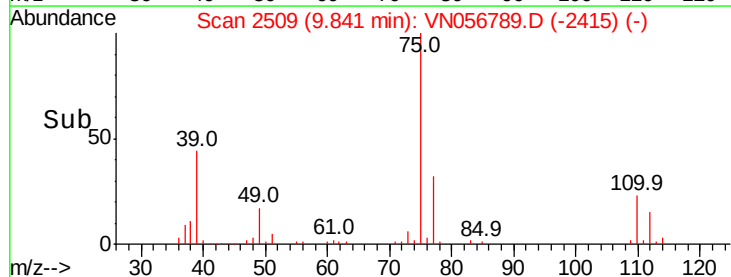
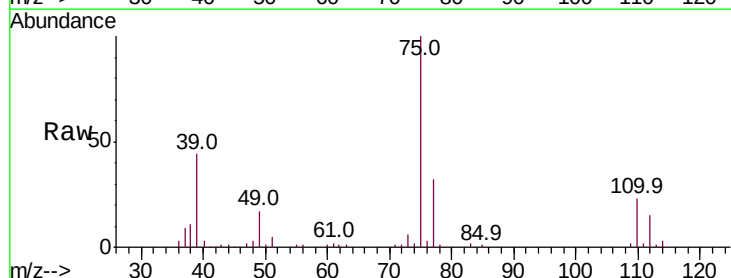
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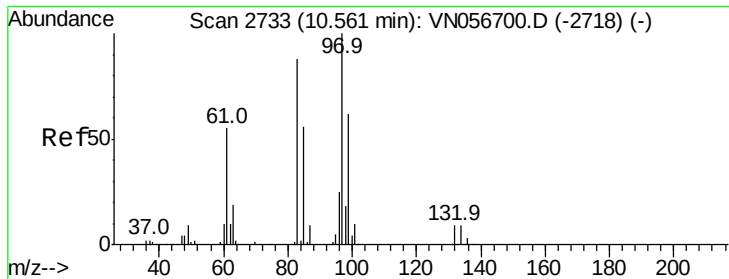
MMDadoda
7/19/2019 1:06:35 AM



#54
cis-1,3-Dichloropropene
Concen: 17.724 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion: 75 Resp: 92656
Ion Ratio Lower Upper
75 100
77 31.7 26.0 39.0
39 44.0 35.1 52.7





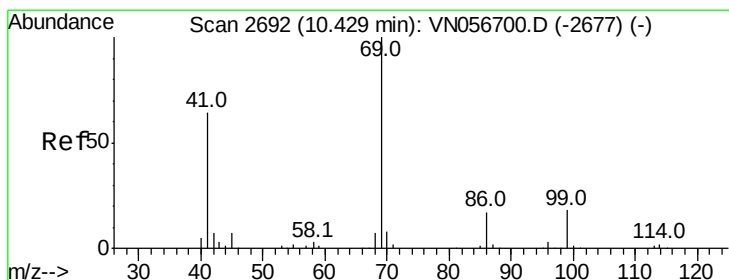
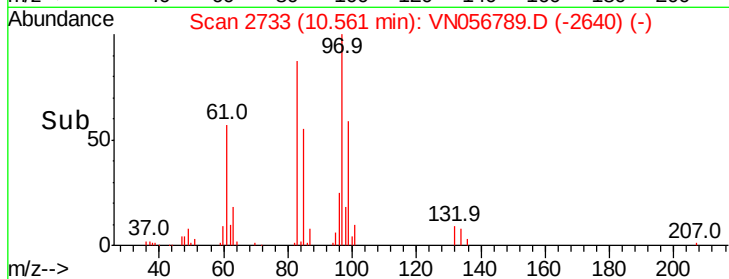
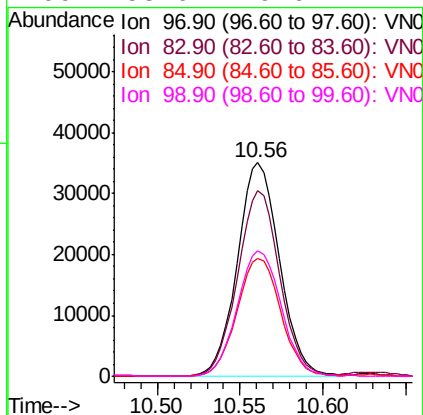
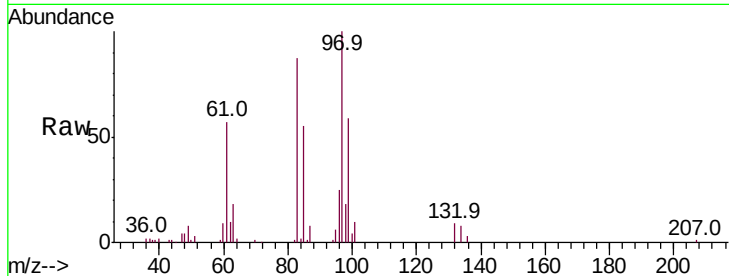
#55
 1,1,2-Trichloroethane
 Concen: 18.069 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	97	Resp	62108
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.3	105.5
85	55.4	44.8	67.2
99	58.6	49.6	74.4

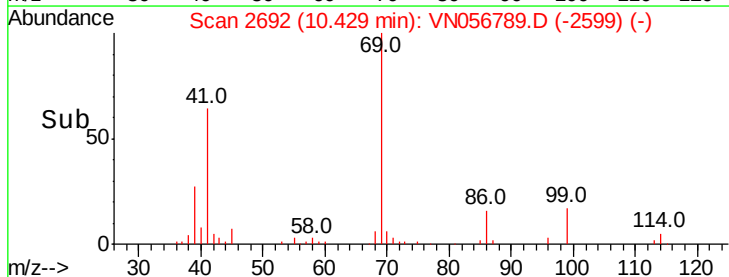
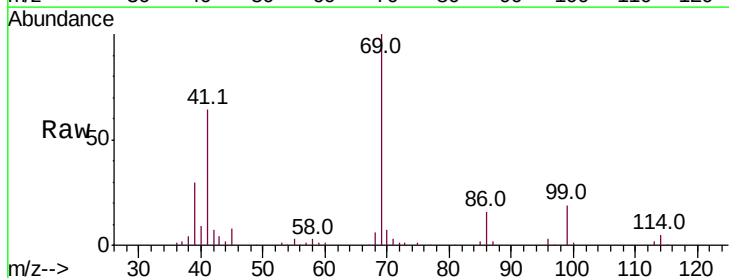
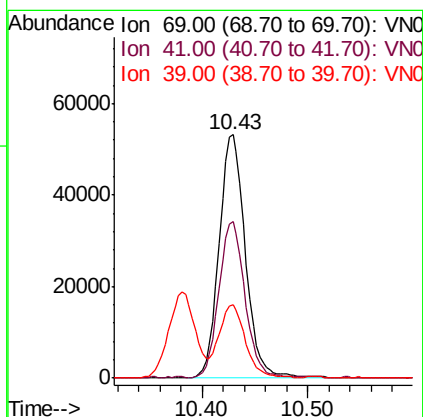
Manual Integrations
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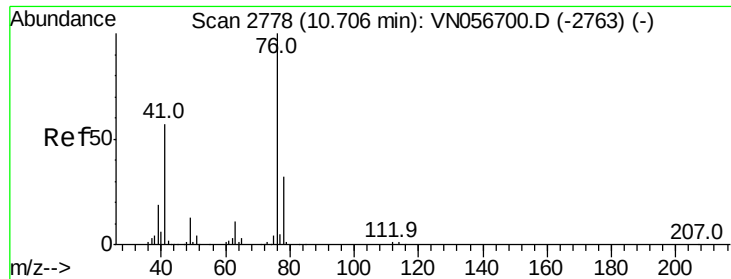
MMDadoda
 7/19/2019 1:06:35 AM



#56
 Ethyl methacrylate
 Concen: 18.561 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion	69	Resp	91798
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	30.2	24.6	36.8





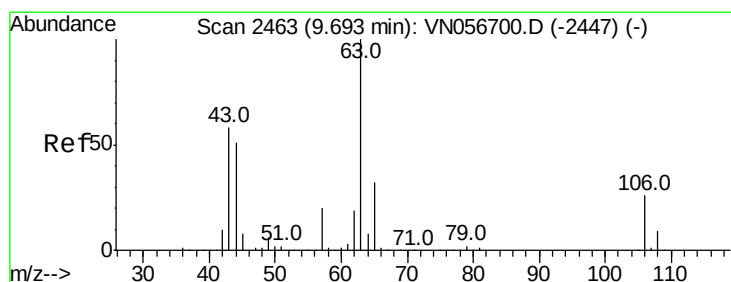
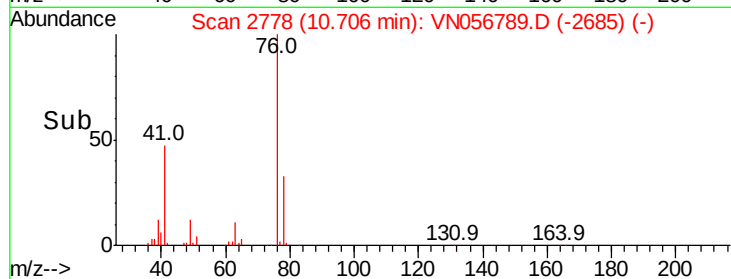
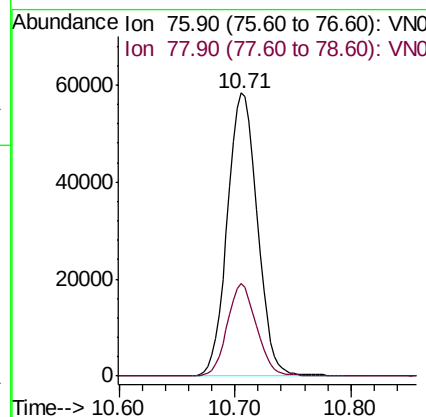
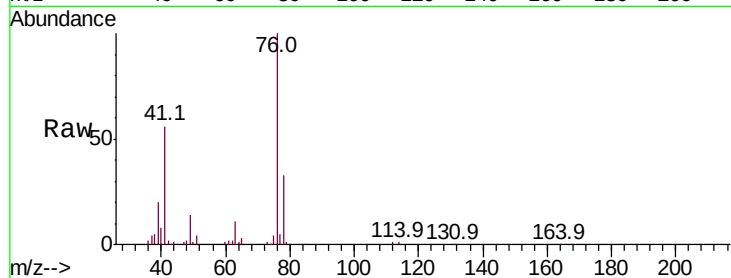
#57
 1,3-Dichloropropane
 Concen: 18.618 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion: 76 Resp: 104522
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0

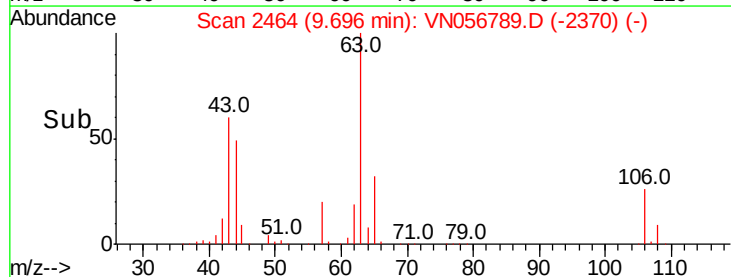
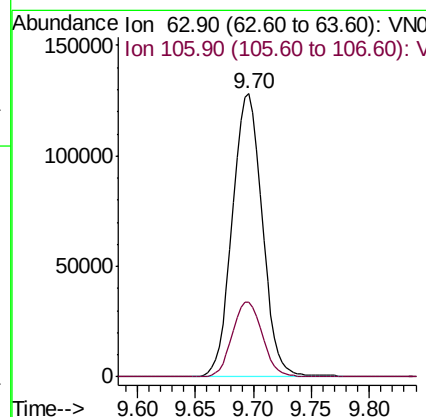
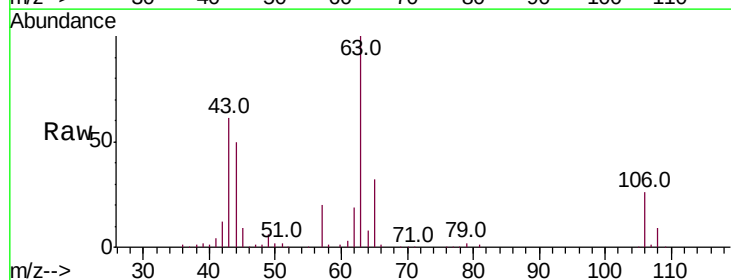
Manual Integrations
 APPROVED

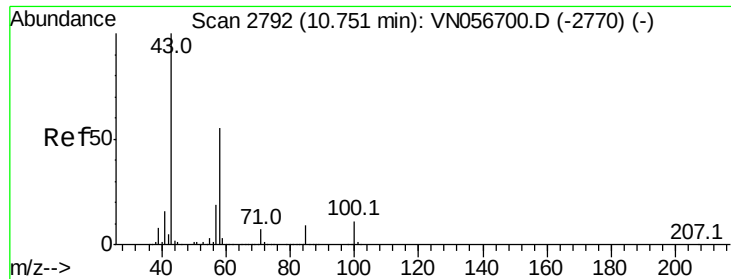
MMDadoda
 7/19/2019 1:06:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.498 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion: 63 Resp: 229502
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.2 31.8





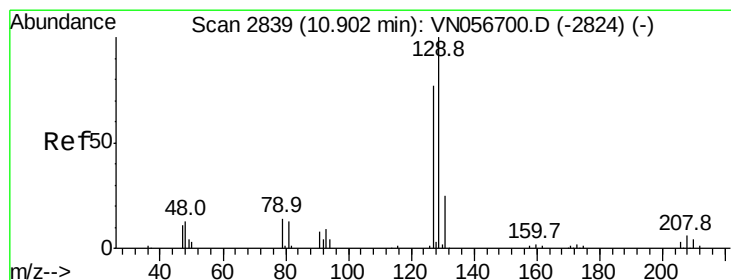
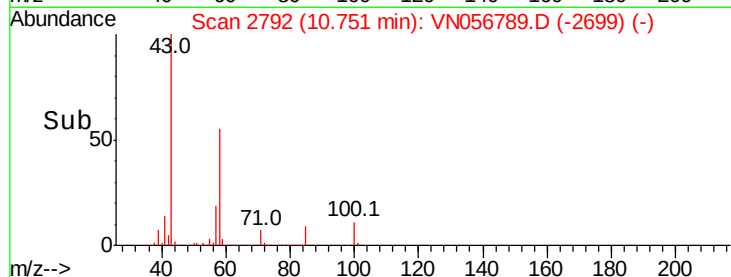
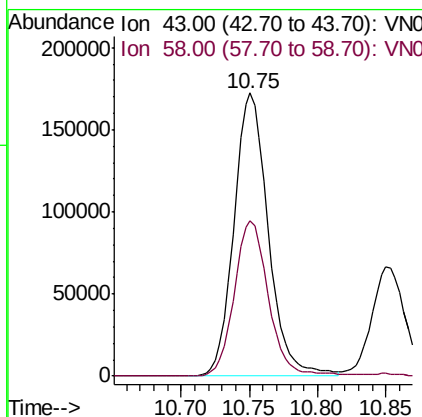
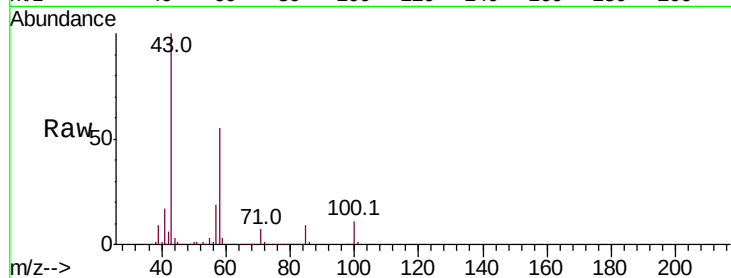
#59
2-Hexanone
Concen: 92.376 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	43	58	Ratio	100	Resp	299576	Lower	Upper
43	100							
58	55.0				27.9		83.6	

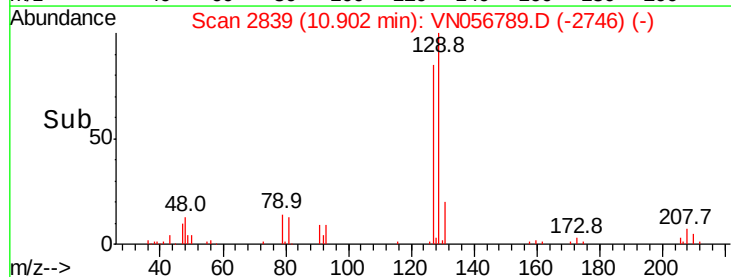
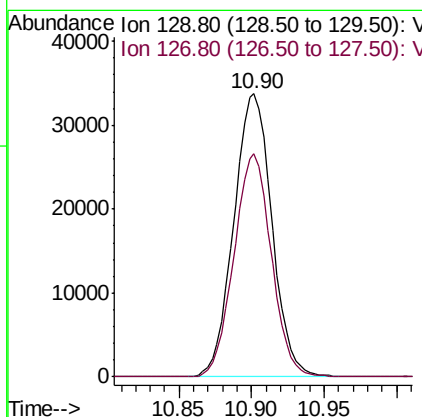
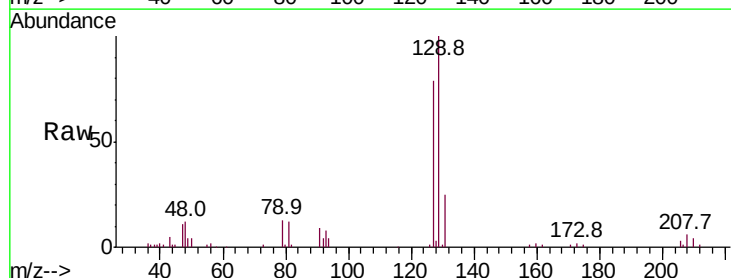
Manual Integrations
APPROVED

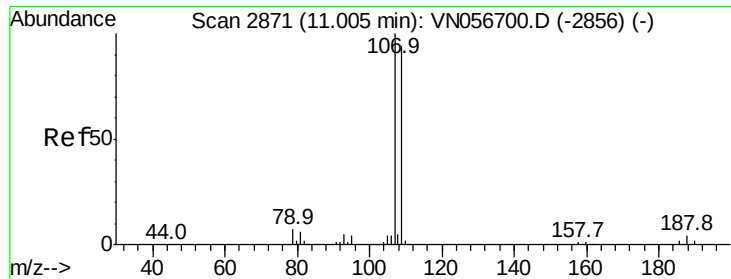
MMDadoda
7/19/2019 1:06:35 AM



#60
Dibromochloromethane
Concen: 18.265 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	129	127	Ratio	100	Resp	61746	Lower	Upper
129	100							
127	77.1				38.2		114.6	





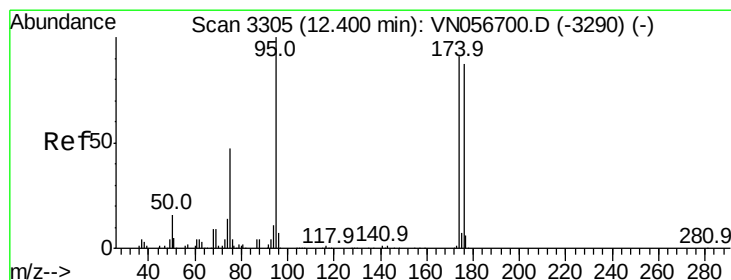
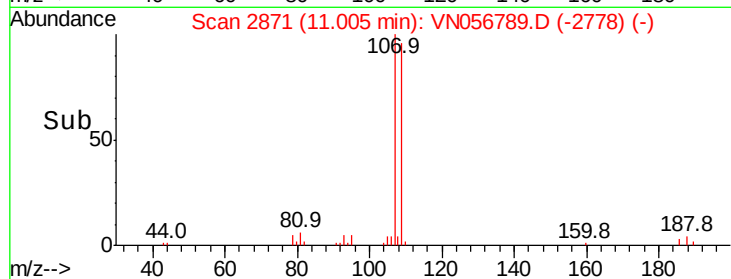
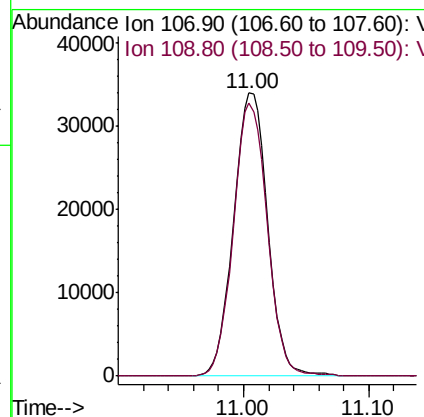
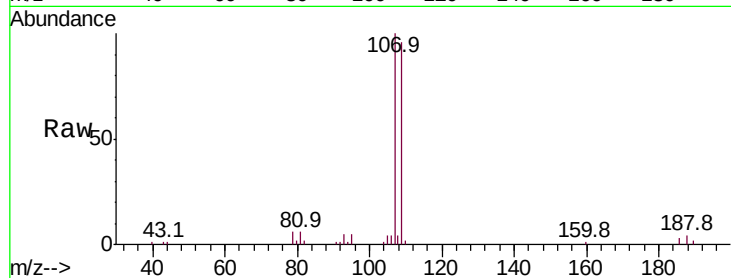
#61
 1,2-Dibromoethane
 Concen: 18.782 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.2	114.4

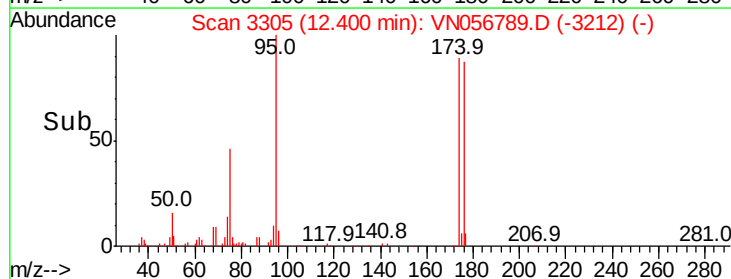
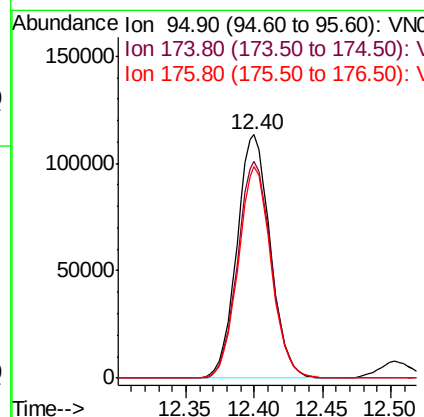
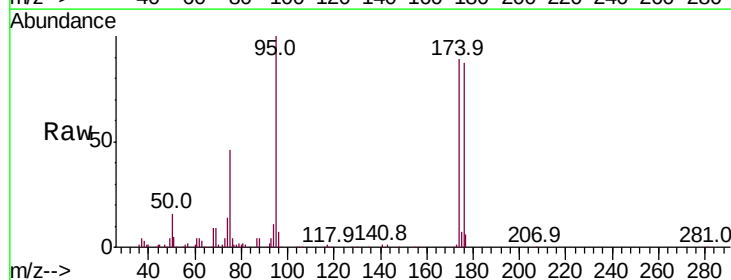
Manual Integrations
 APPROVED

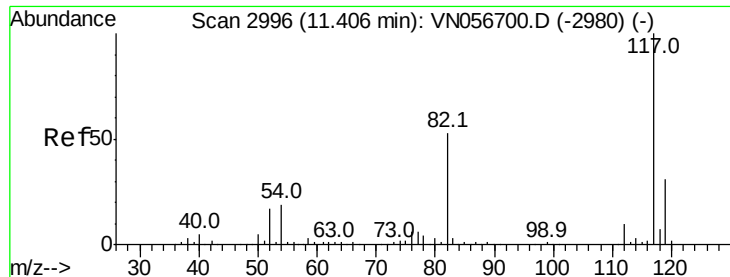
MMDadoda
 7/19/2019 1:06:35 AM



#62
 4-Bromofluorobenzene
 Concen: 48.786 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	180.0
176	85.8	0.0	173.2





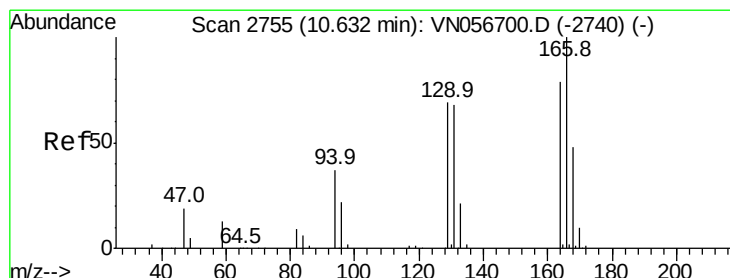
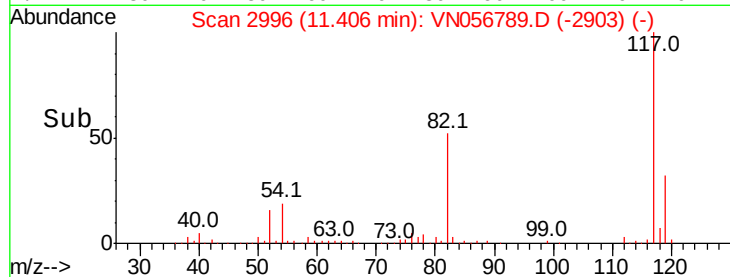
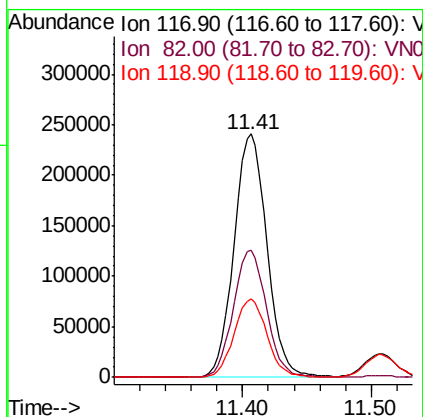
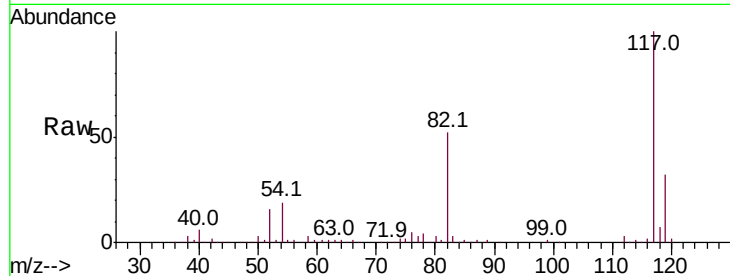
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.2
119	32.3	25.2	37.8

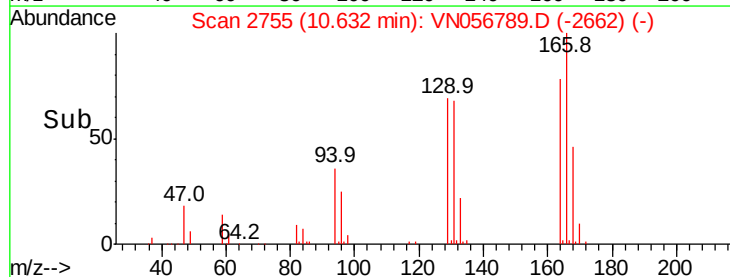
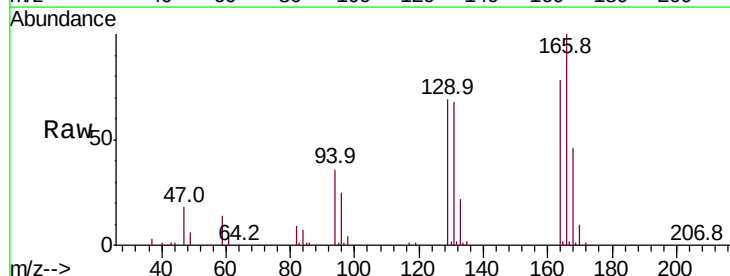
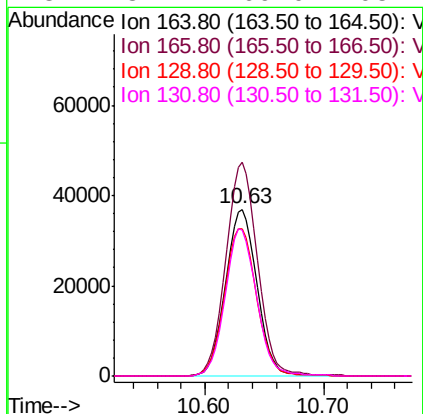
Manual Integrations
APPROVED

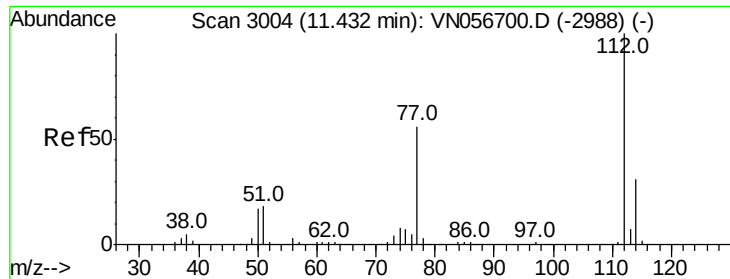
MMDadoda
7/19/2019 1:06:35 AM



#64
Tetrachloroethene
Concen: 18.358 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.4	152.2
129	88.0	69.6	104.4
131	87.4	69.0	103.4





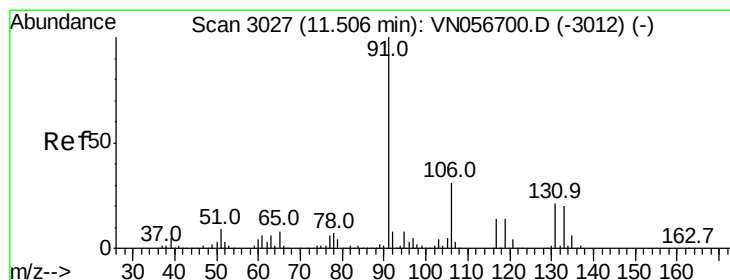
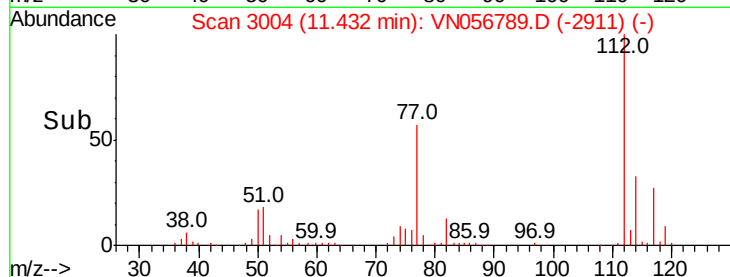
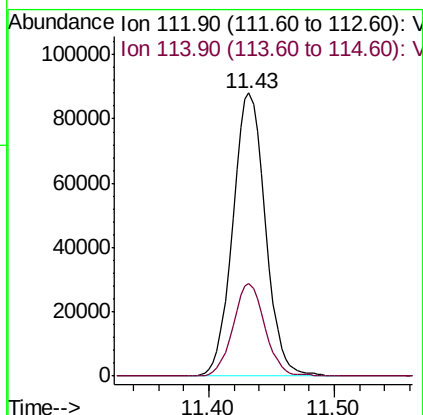
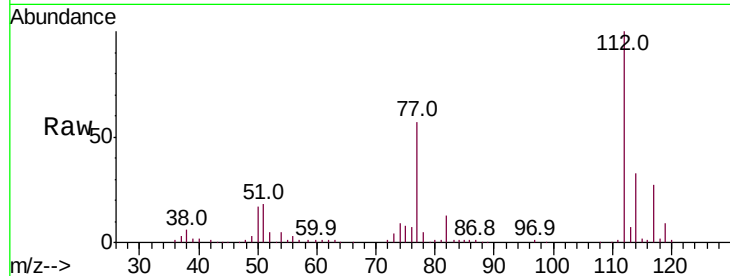
#65
Chlorobenzene
Concen: 18.148 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion:112 Resp: 158755
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

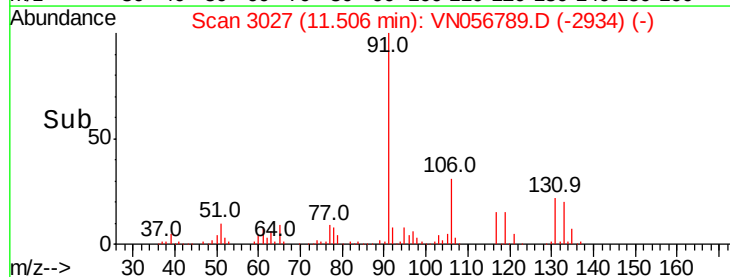
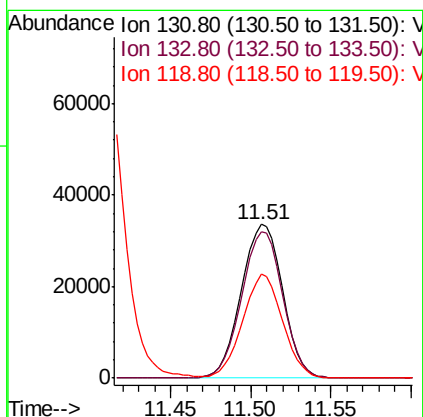
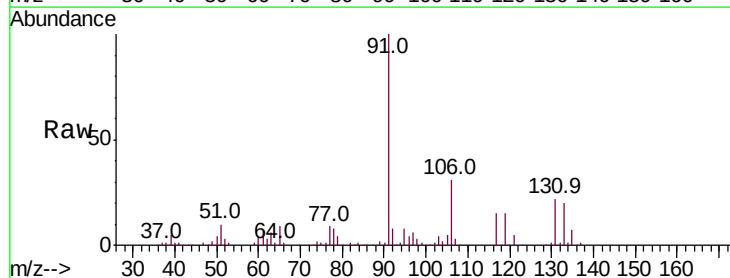
Manual Integrations
APPROVED

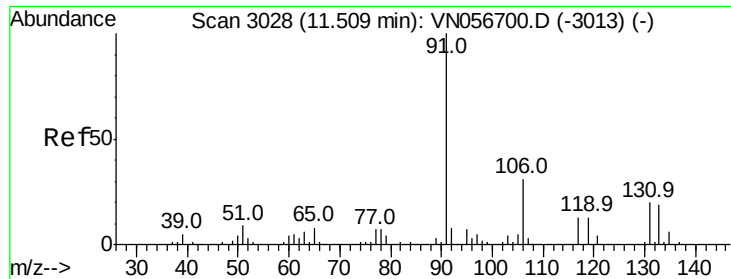
MMDadoda
7/19/2019 1:06:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.439 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion:131 Resp: 59389
Ion Ratio Lower Upper
131 100
133 94.9 46.9 140.7
119 65.0 32.8 98.3





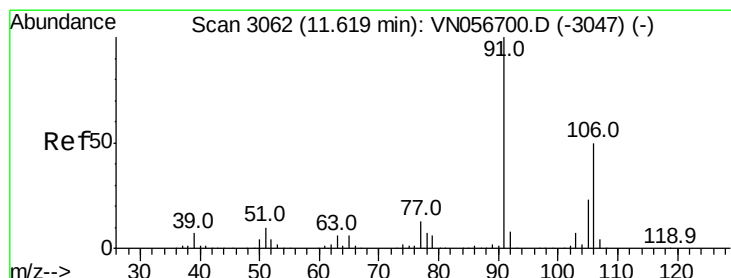
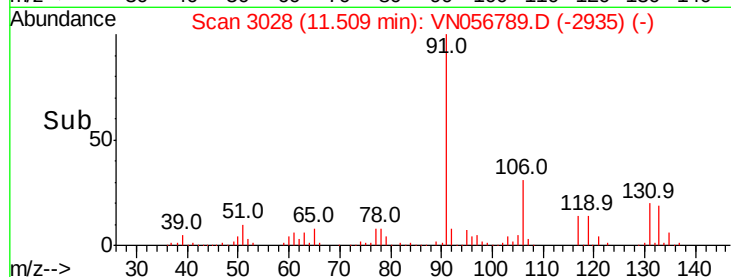
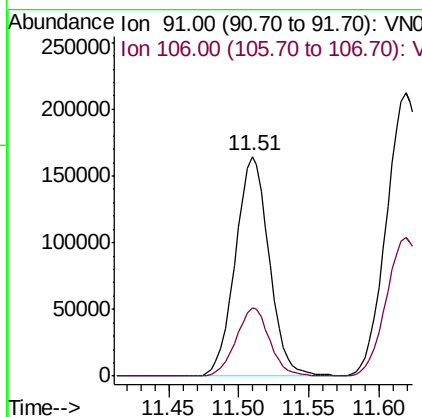
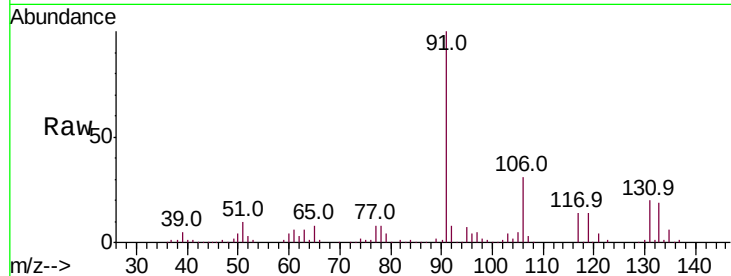
#67
Ethyl Benzene
Concen: 17.978 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion: 91 Resp: 276392
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

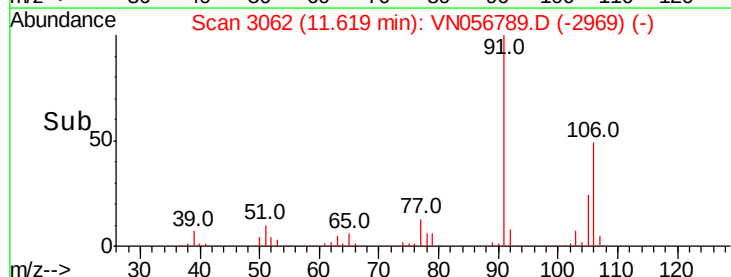
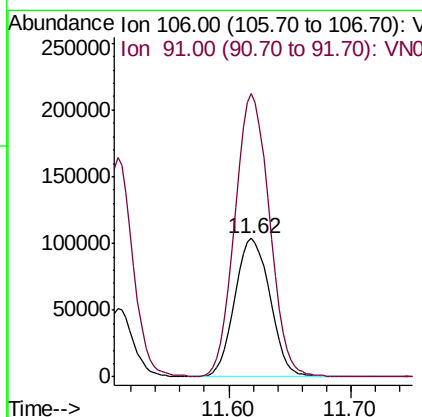
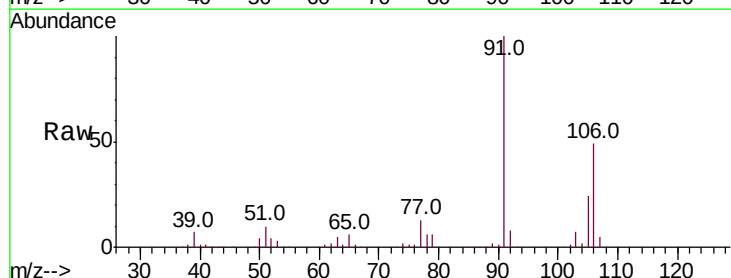
Manual Integrations
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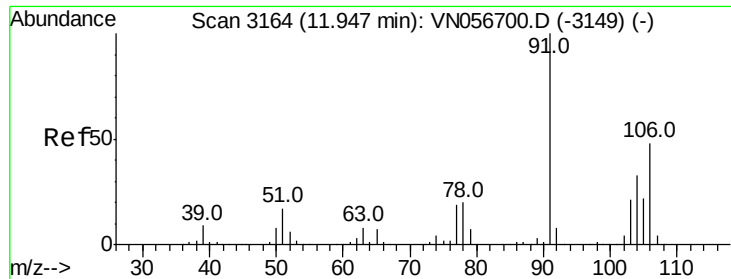
MMDadoda
7/19/2019 1:06:35 AM



#68
m/p-Xylenes
Concen: 36.150 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion: 106 Resp: 207696
Ion Ratio Lower Upper
106 100
91 201.6 160.5 240.7





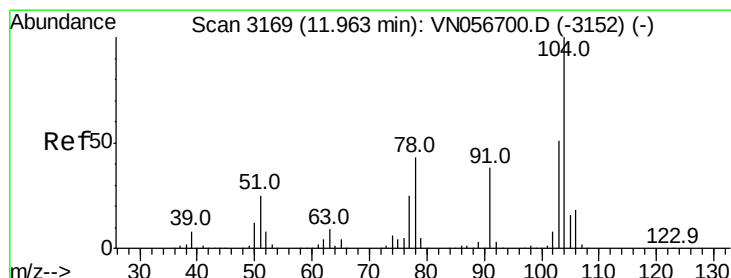
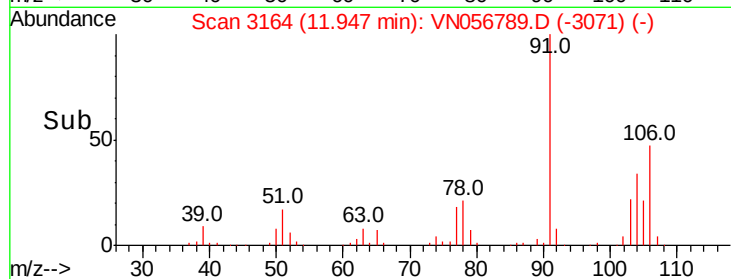
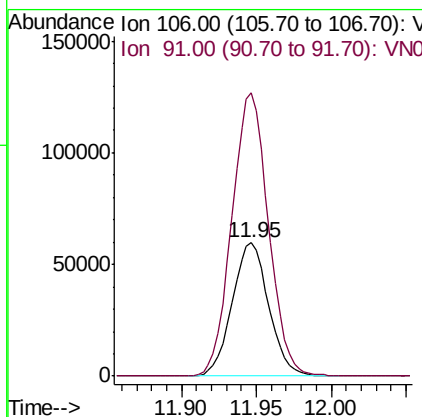
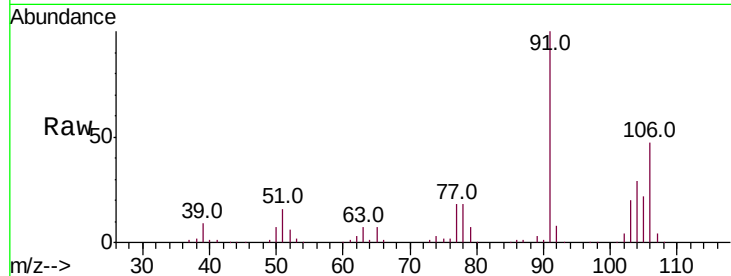
#69
o-Xylene
Concen: 17.963 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	105.6	316.8

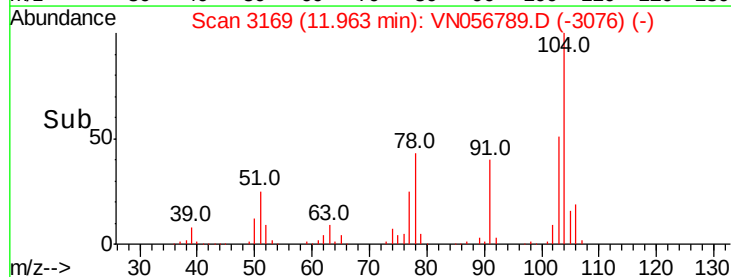
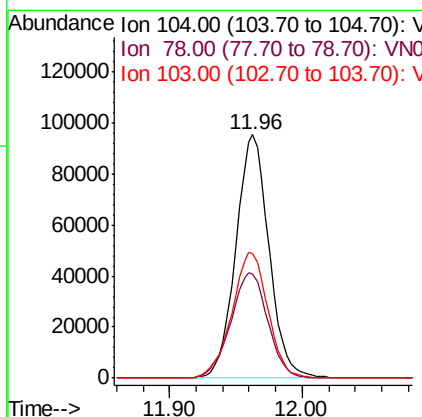
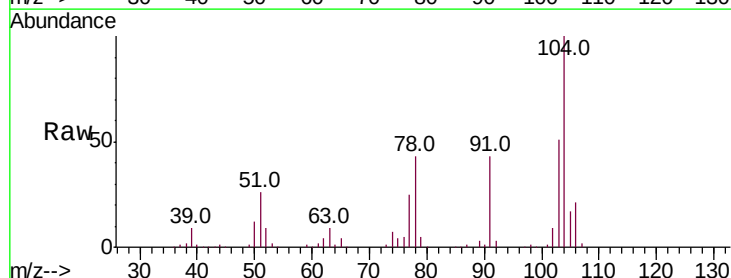
Manual Integrations
APPROVED

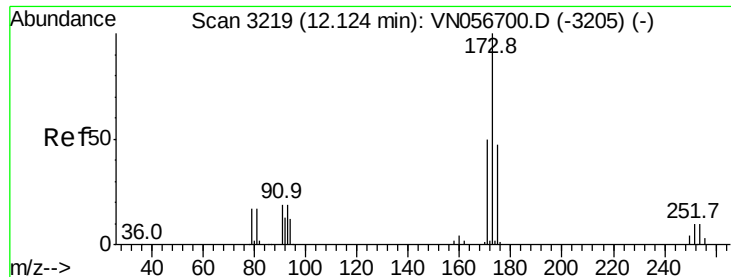
MMDadoda
7/19/2019 1:06:35 AM



#70
Styrene
Concen: 18.122 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.6	57.8
103	56.1	44.2	66.4





#71

Bromoform

Concen: 17.893 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion:173 Resp: 43850

Ion Ratio Lower Upper

173 100

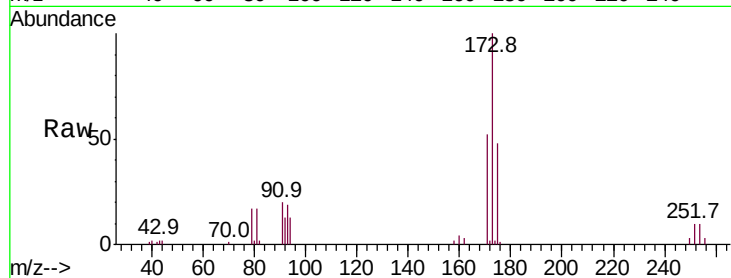
175 48.4 23.8 71.4

254 0.0 0.0 0.0

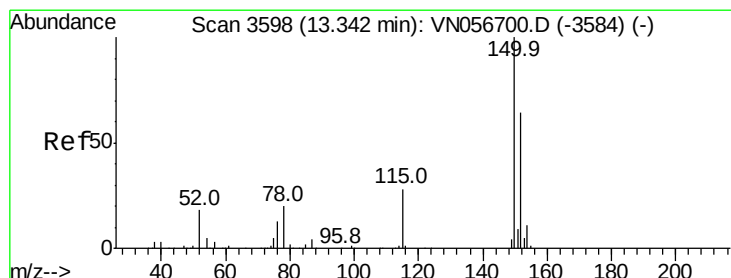
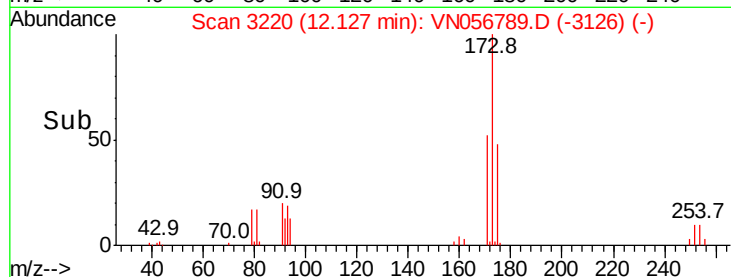
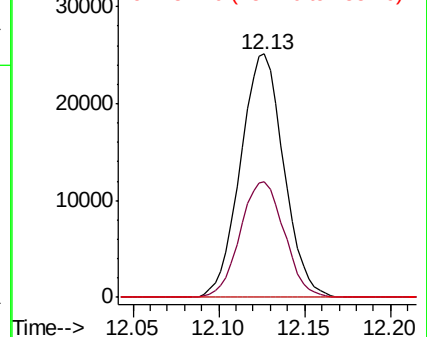
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

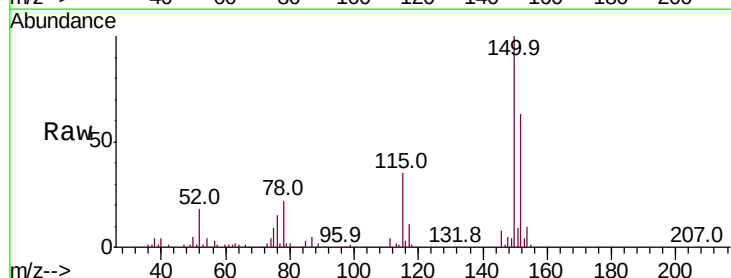
Tgt Ion:152 Resp: 177188

Ion Ratio Lower Upper

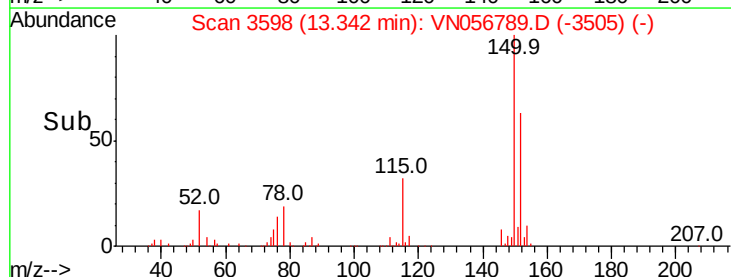
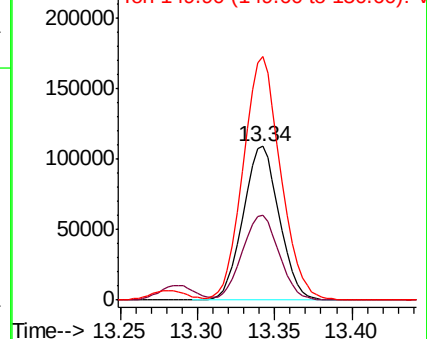
152 100

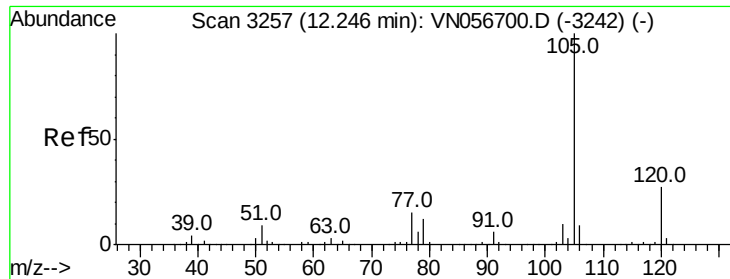
115 56.3 28.2 84.7

150 163.7 0.0 345.8



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: 18.663 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion: 105 Resp: 266629

Ion Ratio Lower Upper

105 100

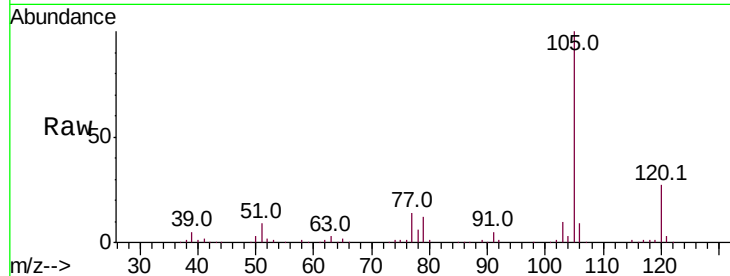
120 27.0 13.4 40.2

Manual Integrations

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7/19/2019 1:06:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

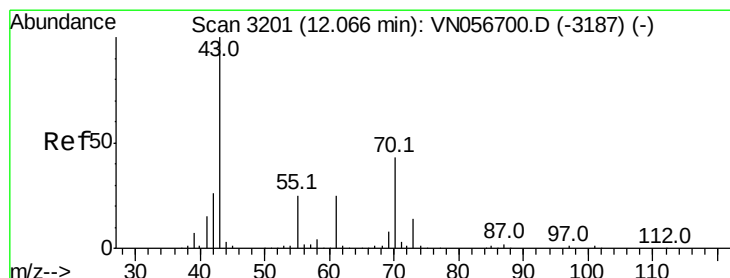
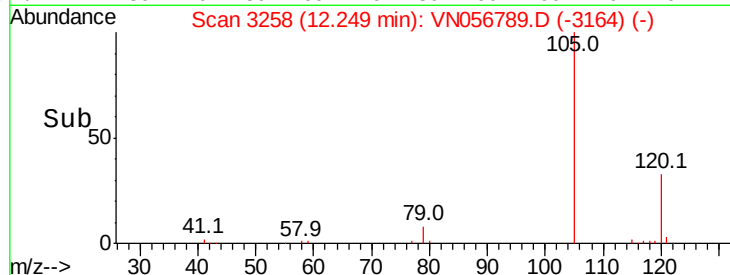
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 18.155 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion: 43 Resp: 96596

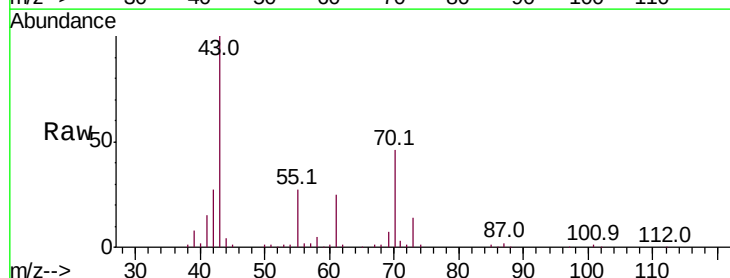
Ion Ratio Lower Upper

43 100

70 44.4 34.5 51.7

55 27.4 20.2 30.2

61 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

80000

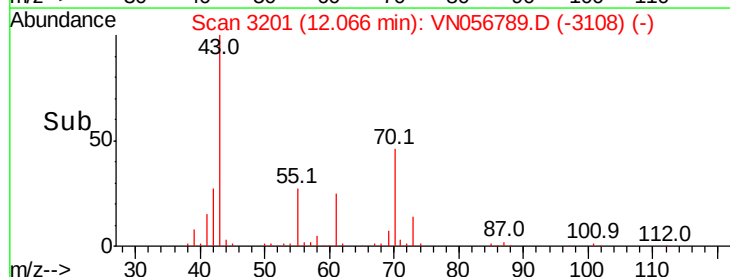
60000

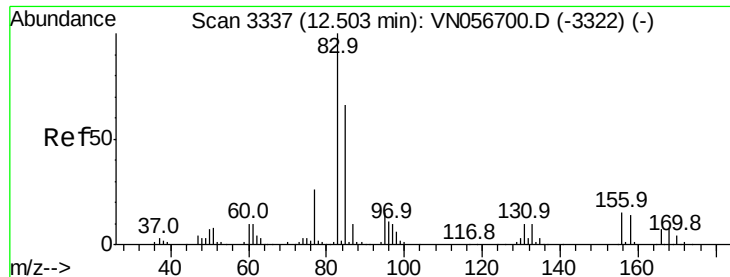
40000

20000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 20.277 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

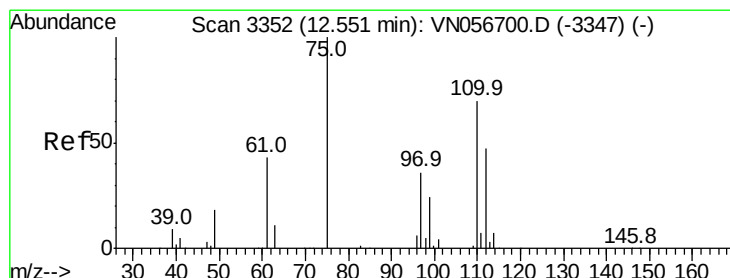
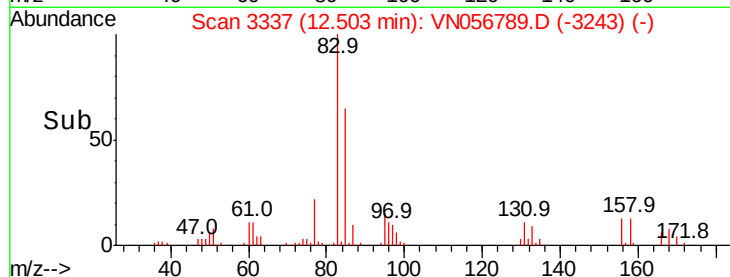
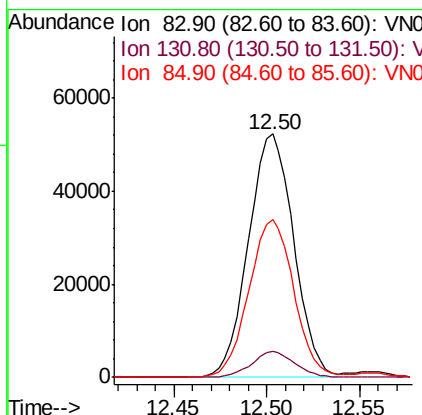
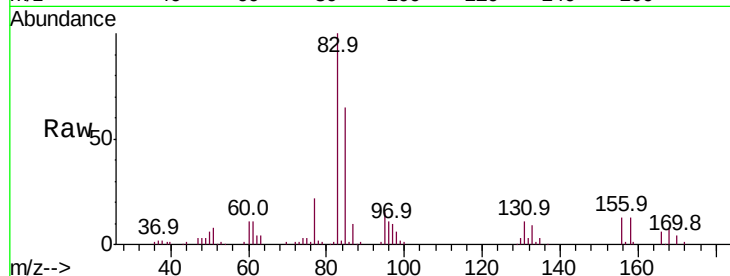
ClientSampleId :

VN0717WBS01

Tot Ion:	83	Resp:	88666
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	64.3	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.046 ug/l m

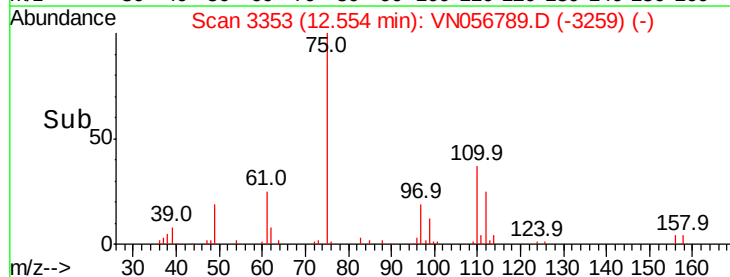
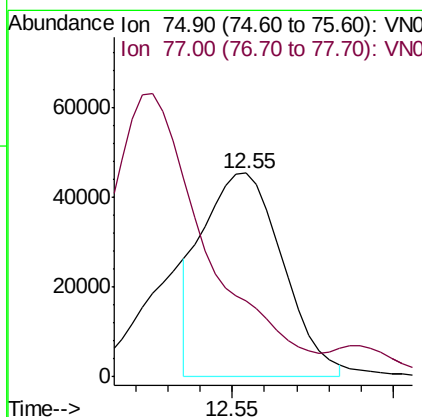
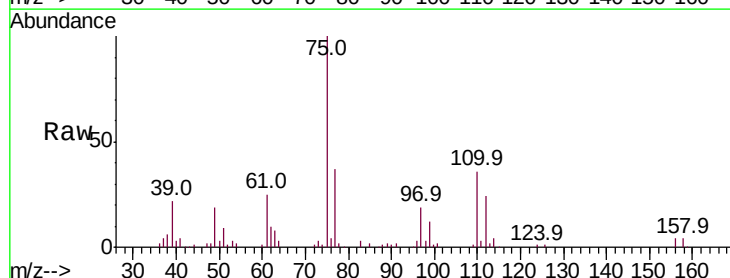
RT: 12.55 min Scan# 3353

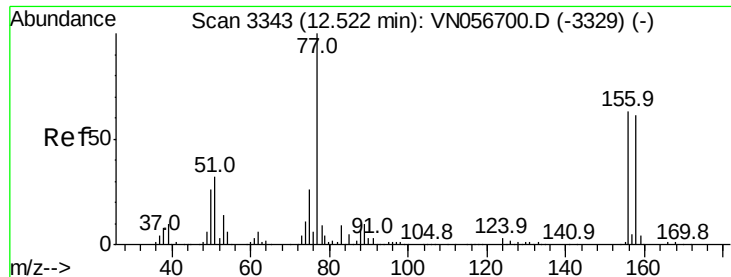
Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion:	75	Resp:	77684
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.740 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion:156 Resp: 70030

Ion Ratio Lower Upper

156 100

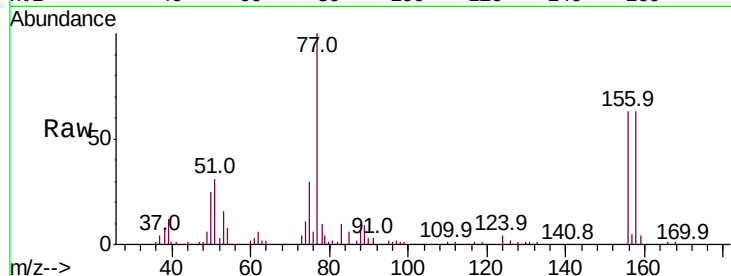
77 193.2 97.2 291.6

158 97.7 48.9 146.8

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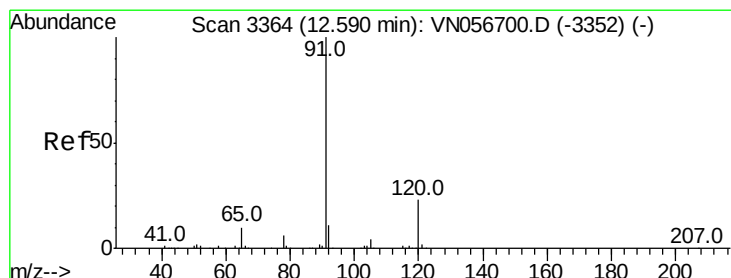
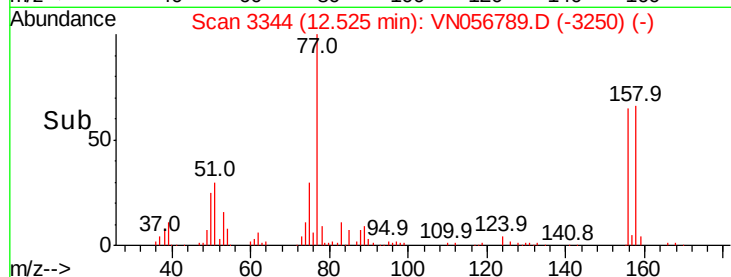
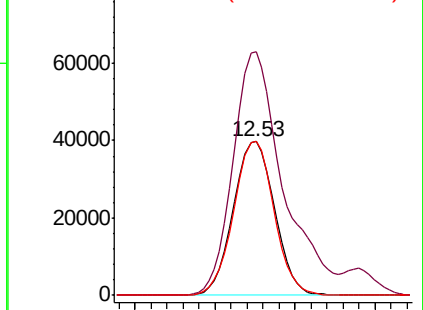
7/19/2019 1:06:35 AM



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: 17.948 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056789.D

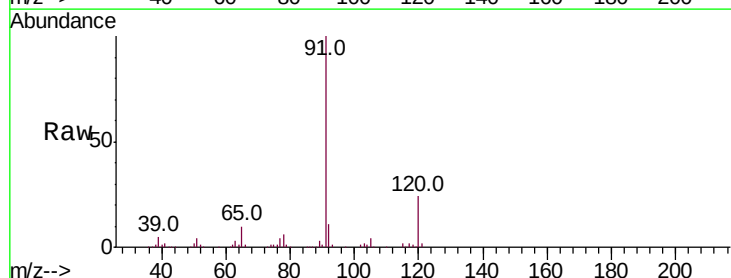
Acq: 17 Jul 2019 12:14

Tgt Ion: 91 Resp: 284669

Ion Ratio Lower Upper

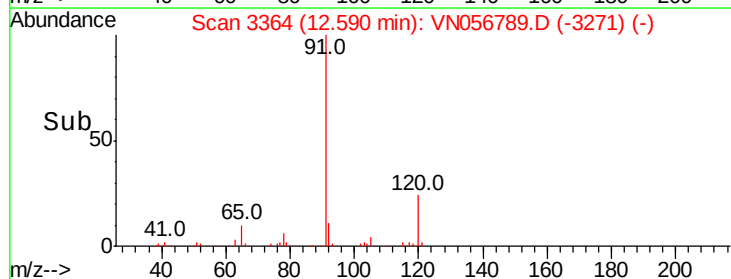
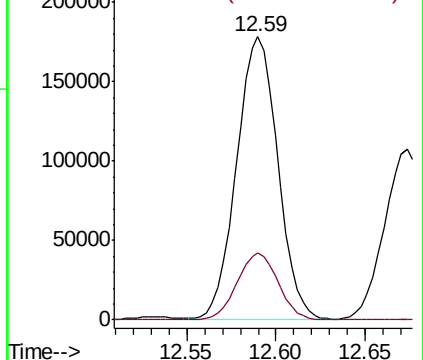
91 100

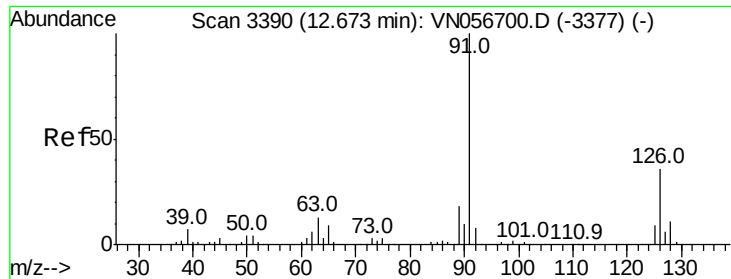
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





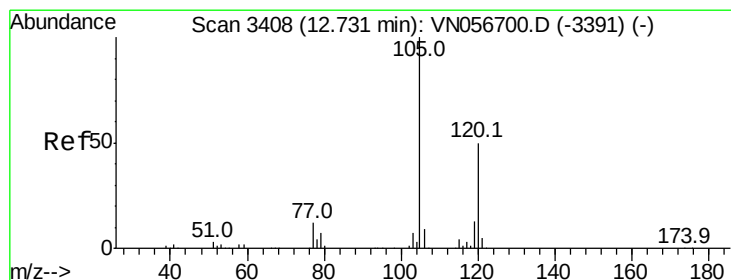
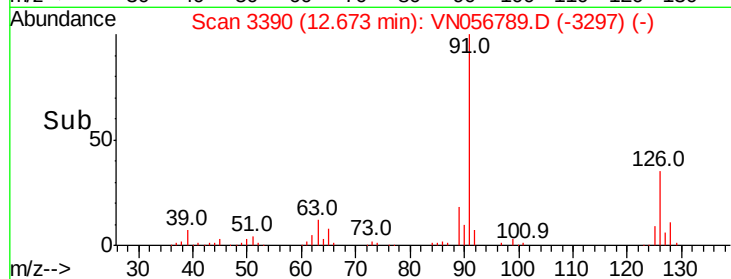
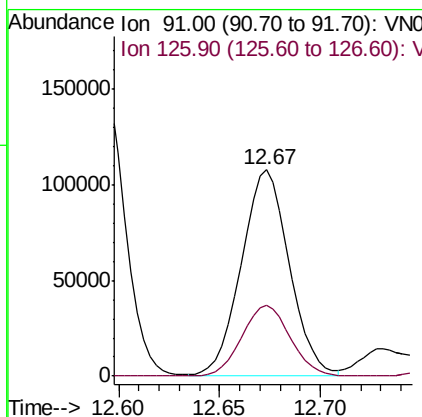
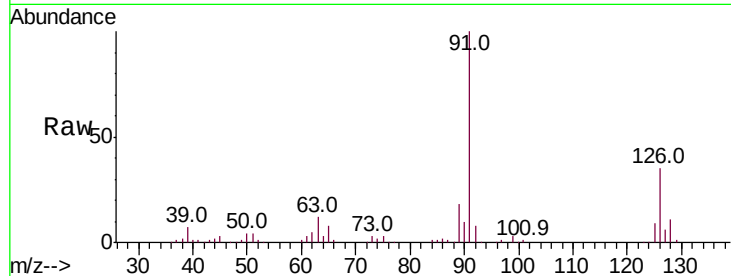
#79
2-Chlorotoluene
Concen: 19.327 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion: 91 Resp: 178219
Ion Ratio Lower Upper
91 100
126 35.1 17.9 53.7

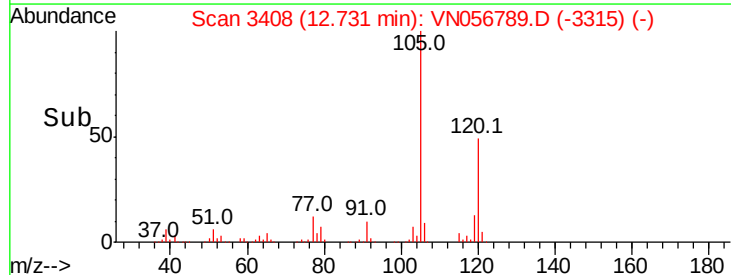
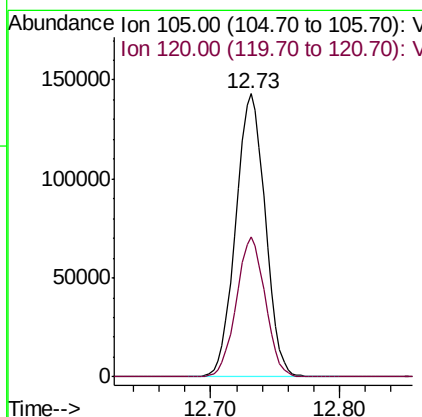
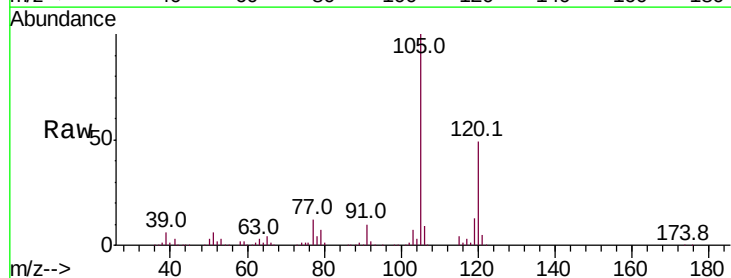
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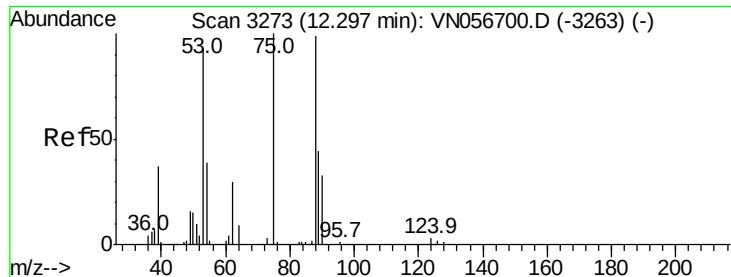
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 18.772 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion: 105 Resp: 227308
Ion Ratio Lower Upper
105 100
120 48.3 24.8 74.3





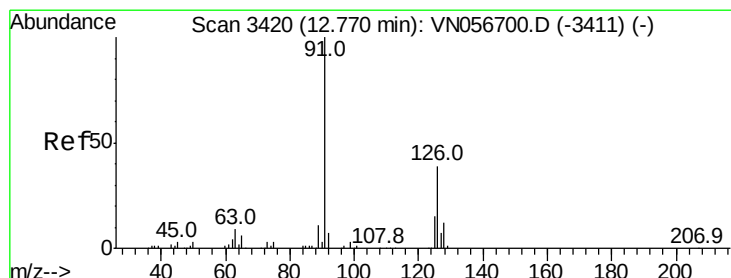
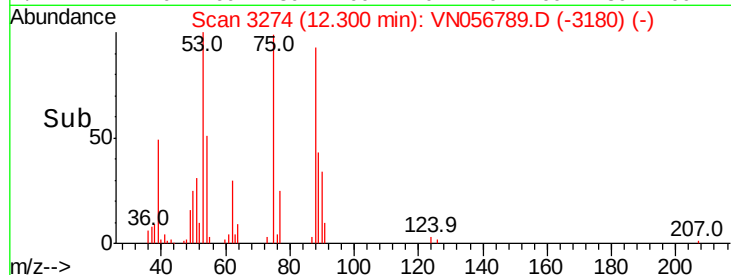
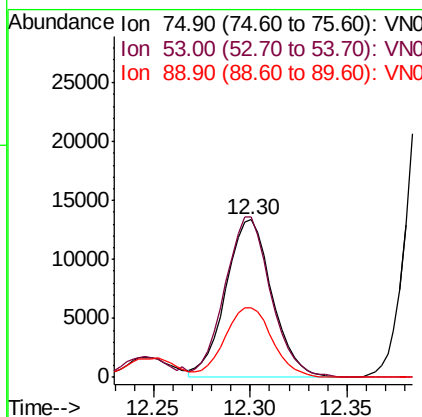
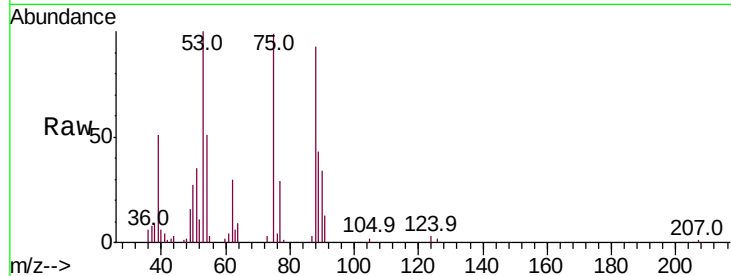
#81
trans-1,4-Dichloro-2-butene
Concen: 17.746 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion: 75 Resp: 22268
Ion Ratio Lower Upper
75 100
53 101.1 73.7 110.5
89 45.2 36.2 54.2

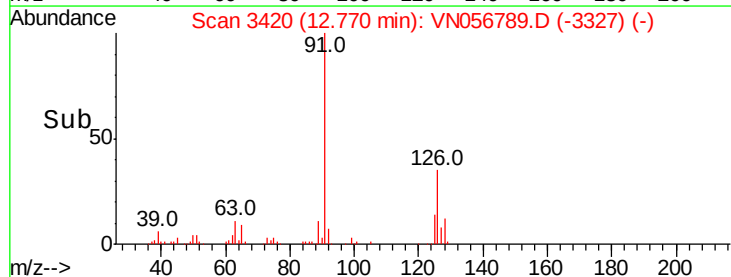
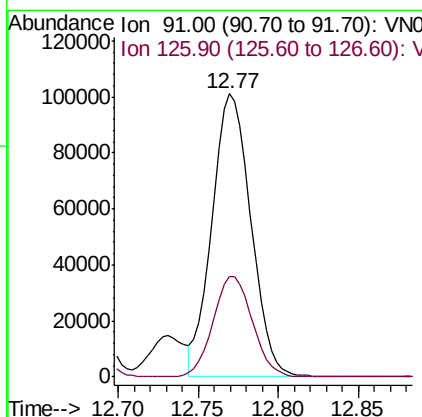
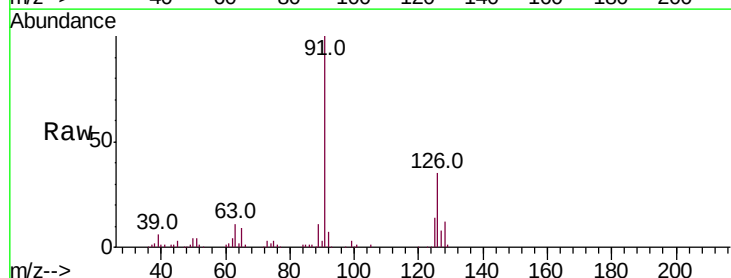
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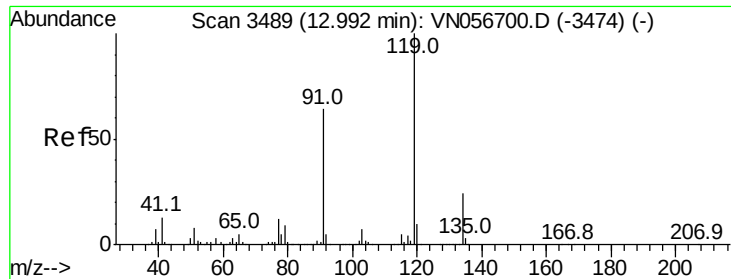
MMDadoda
7/19/2019 1:06:35 AM



#82
4-Chlorotoluene
Concen: 18.136 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion: 91 Resp: 168812
Ion Ratio Lower Upper
91 100
126 35.9 17.6 52.8





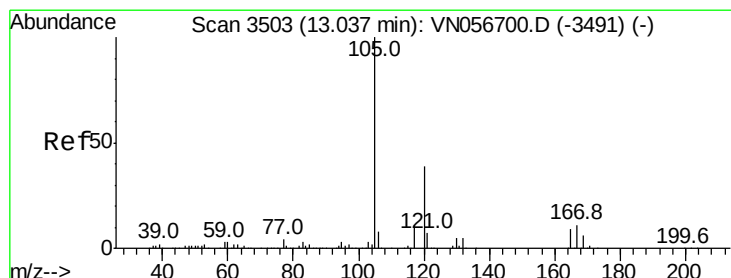
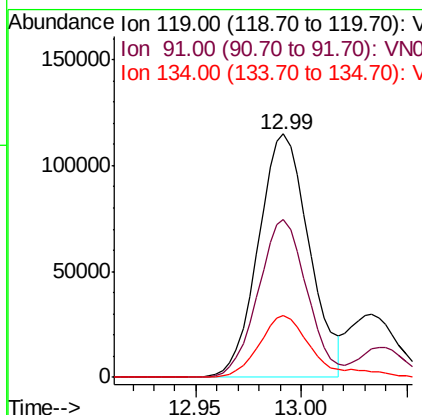
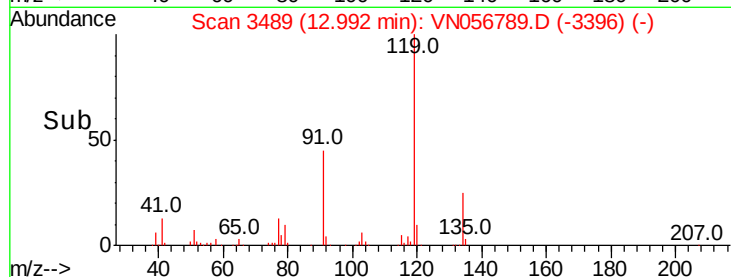
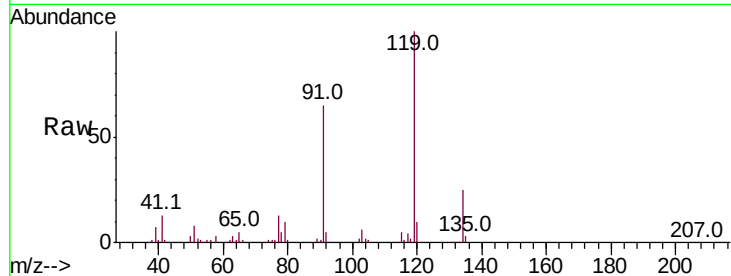
#83
 tert-Butylbenzene
 Concen: 19.530 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192652		
91	62.6	31.8	95.4	
134	26.8	13.0	38.9	

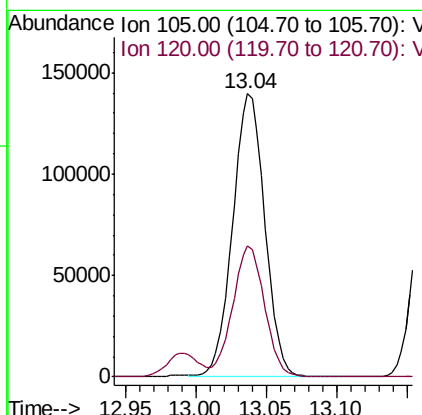
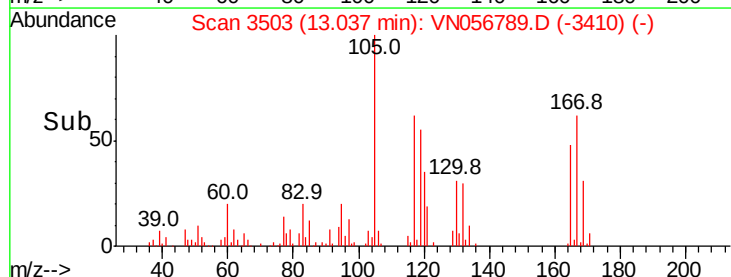
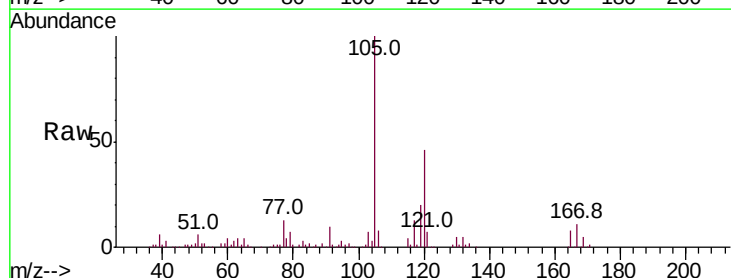
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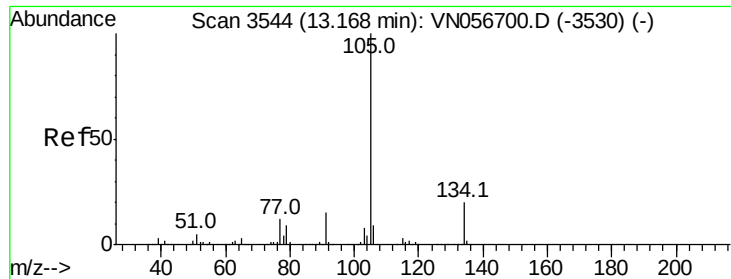
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.761 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	221933		
120	46.3	22.9	68.8	





#85

sec-Butylbenzene

Concen: 18.630 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0717WBS01

Tot Ion:105 Resp: 250660

Ion Ratio Lower Upper

105 100

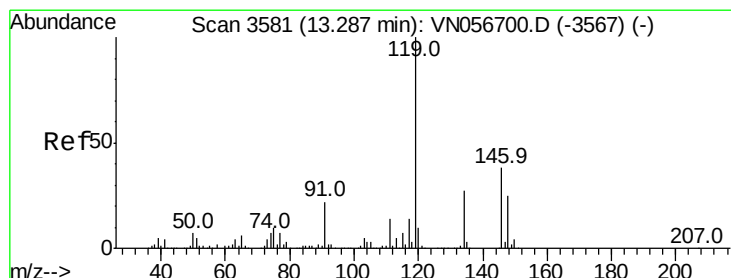
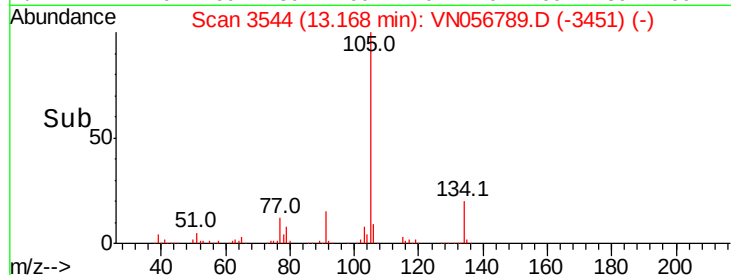
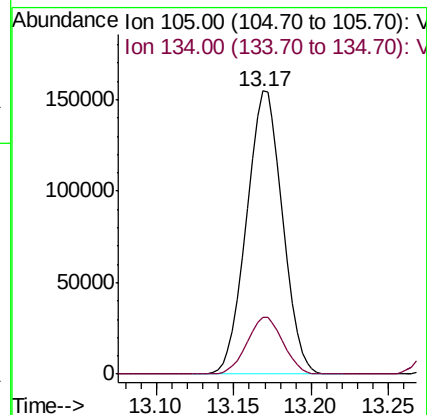
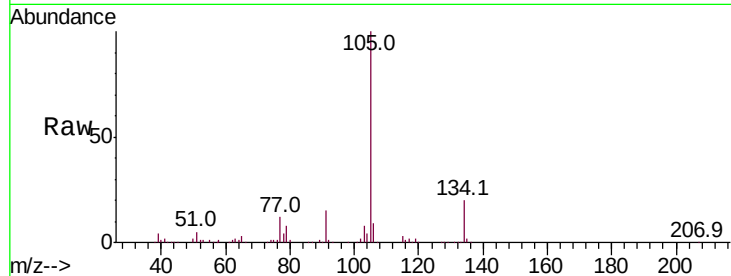
134 20.1 10.1 30.1

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MMDadoda

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#86

p-Isopropyltoluene

Concen: 18.337 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

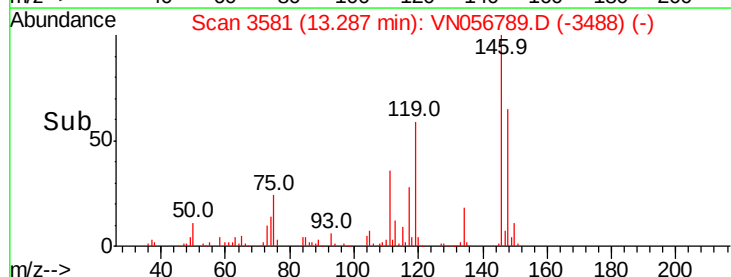
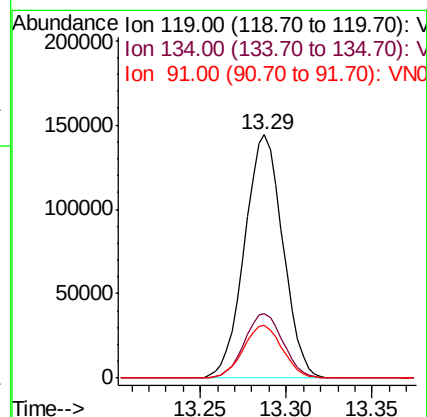
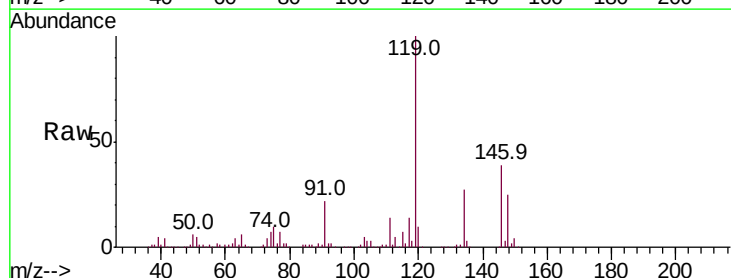
Tgt Ion:119 Resp: 223511

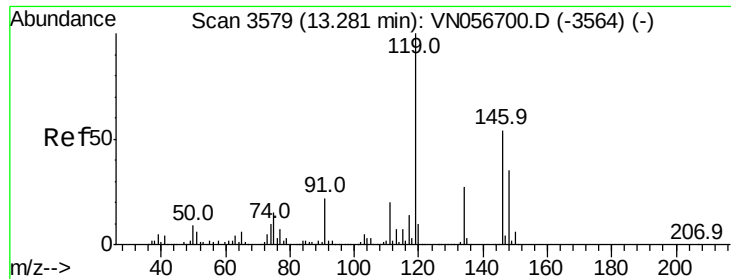
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.2 11.2 33.5





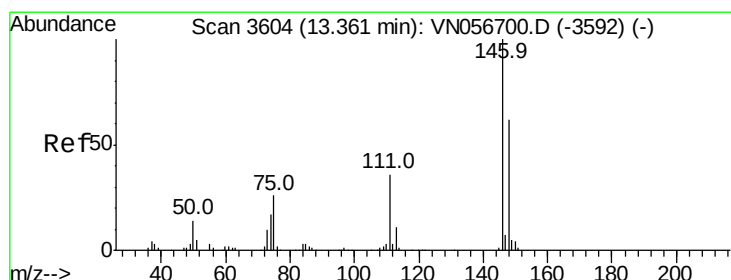
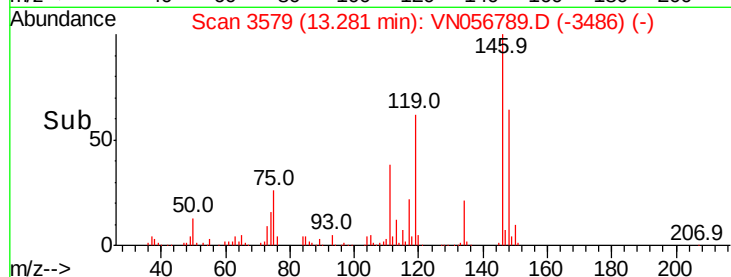
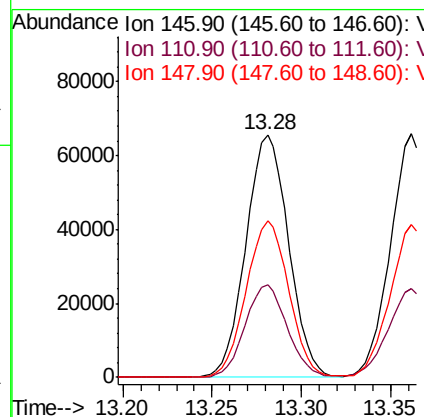
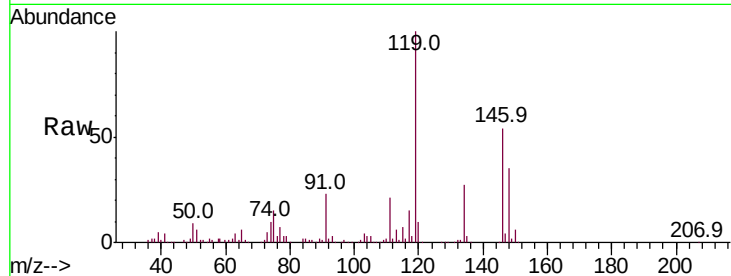
#87
 1,3-Dichlorobenzene
 Concen: 17.952 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	64.5	32.3	96.8

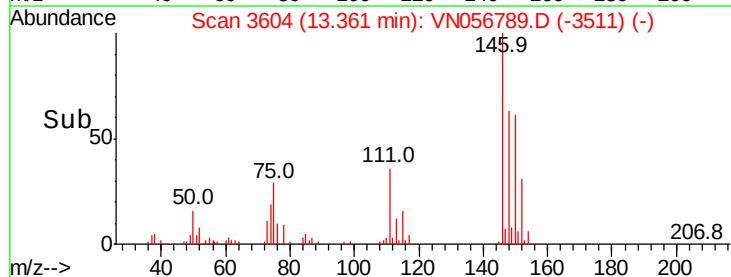
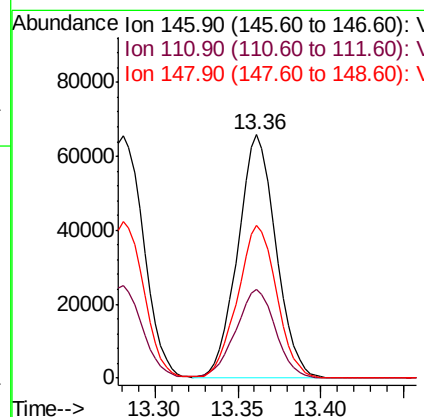
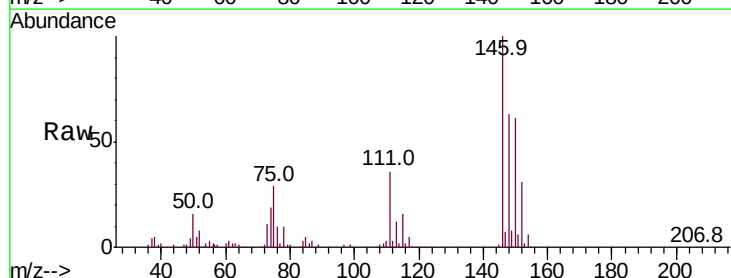
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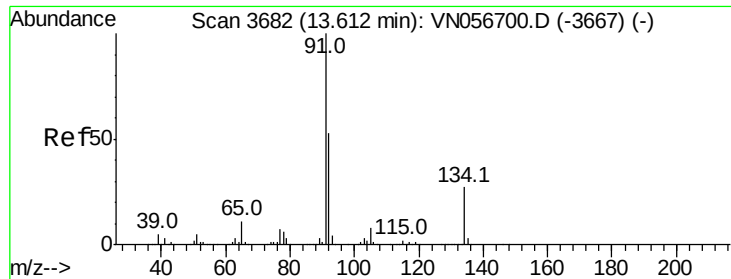
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#88
 1,4-Dichlorobenzene
 Concen: 17.748 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056789.D
 Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.1	31.9	95.7





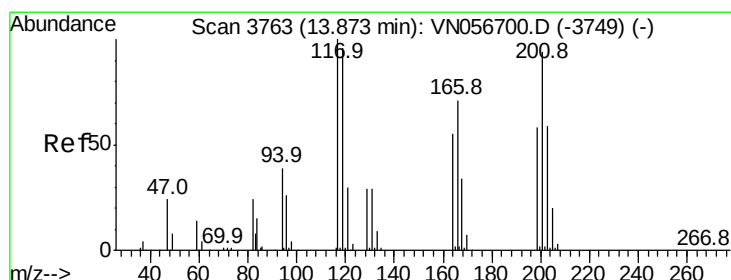
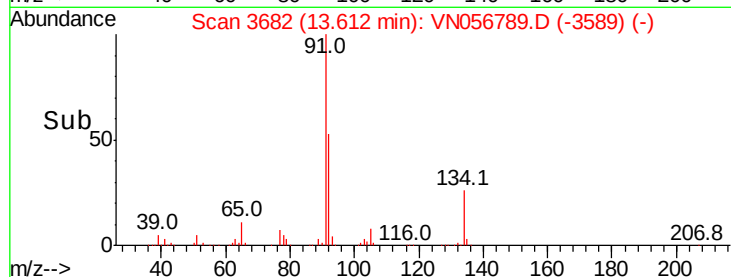
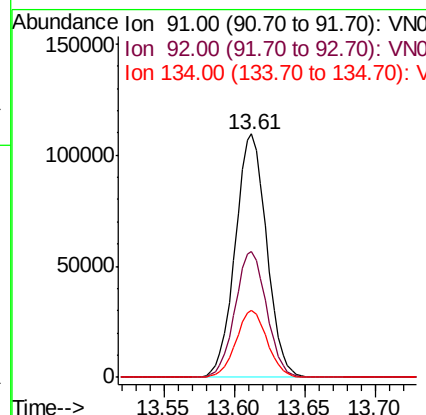
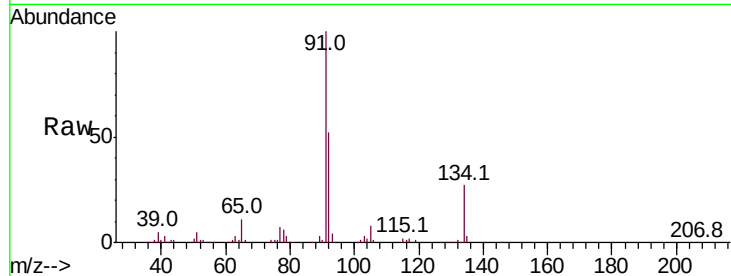
#89
n-Butylbenzene
Concen: 17.400 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.2	13.4	40.2

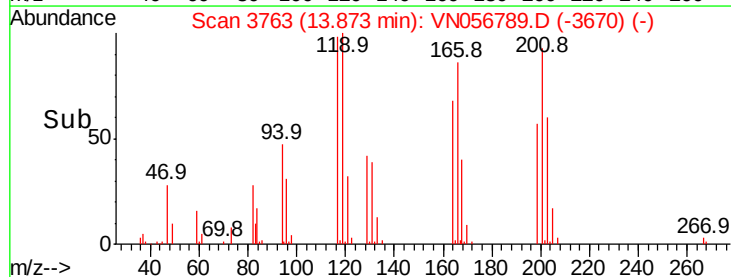
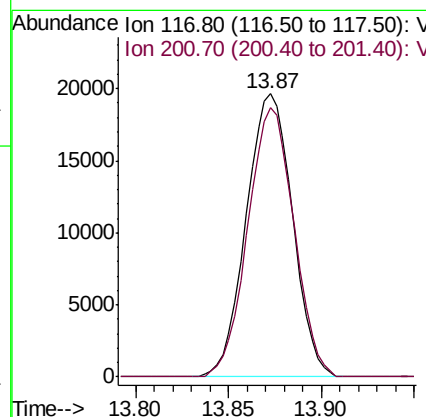
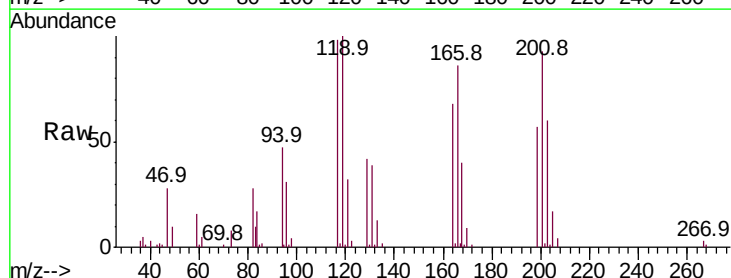
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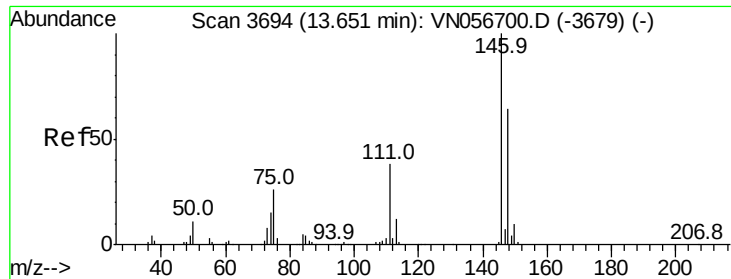
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#90
Hexachloroethane
Concen: 17.230 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	46.5	139.5





#91

1,2-Dichlorobenzene

Concen: 18.080 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Instrument :

MSVOA_N

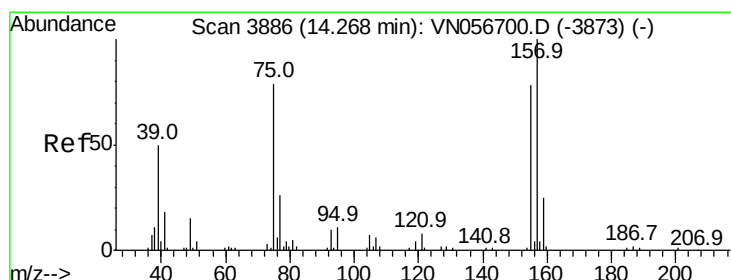
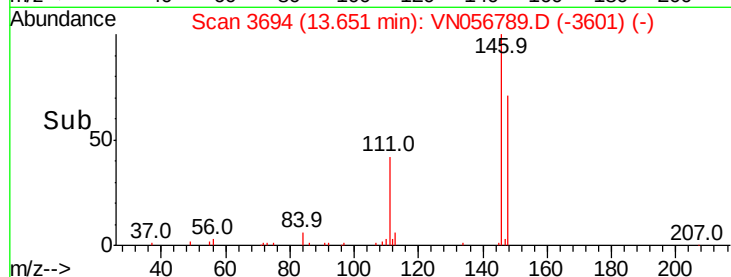
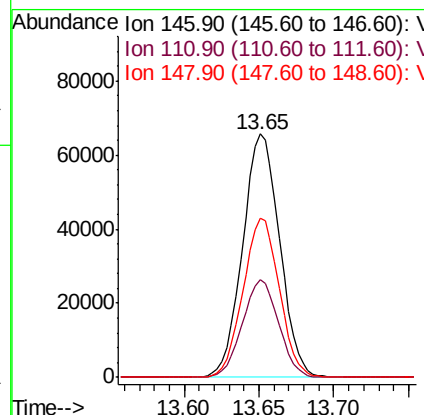
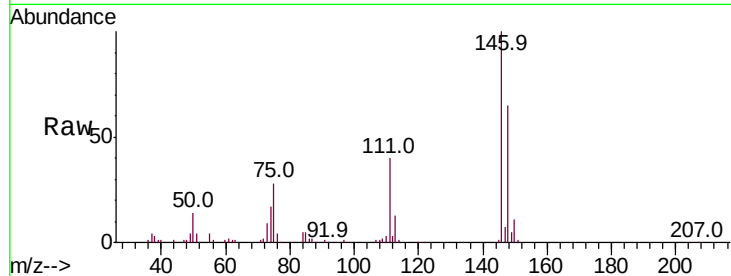
ClientSampleId :

VN0717WBS01

Tot Ion:	146	Resp:	113245
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.1	57.1
148	64.0	31.7	95.1

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7/19/2019 1:06:35 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.085 ug/l

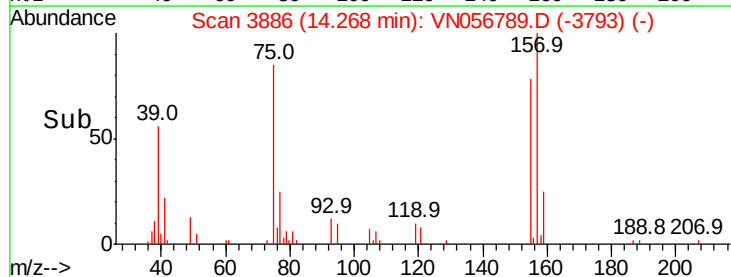
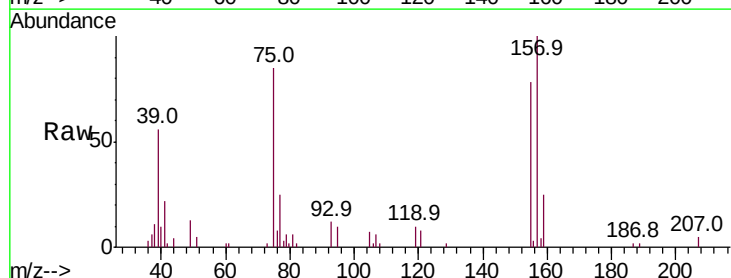
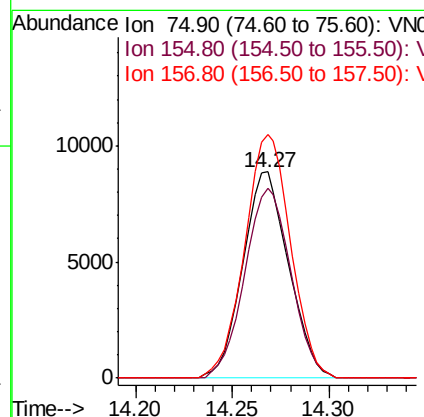
RT: 14.27 min Scan# 3886

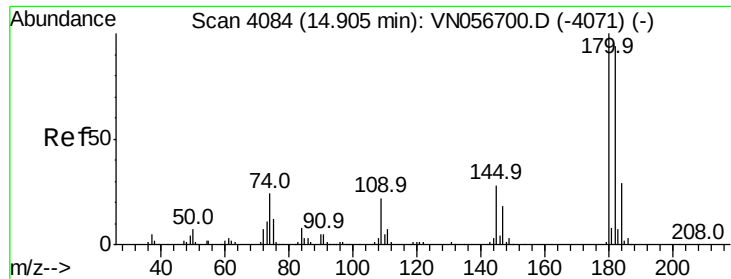
Delta R.T. -0.00 min

Lab File: VN056789.D

Acq: 17 Jul 2019 12:14

Tgt Ion:	75	Resp:	14621
Ion Ratio	Lower	Upper	
75	100		
155	92.2	49.3	147.9
157	118.4	62.4	187.1





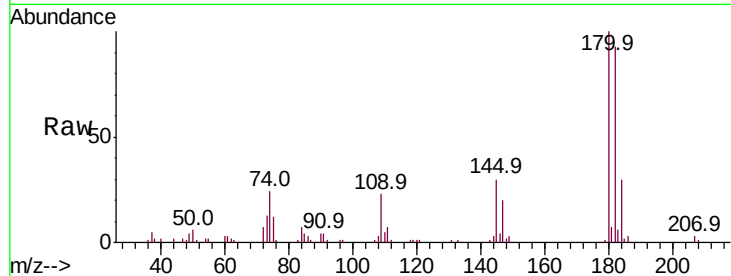
#93
1,2,4-Trichlorobenzene
Concen: 16.382 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.2	141.6
145	28.9	14.2	42.8

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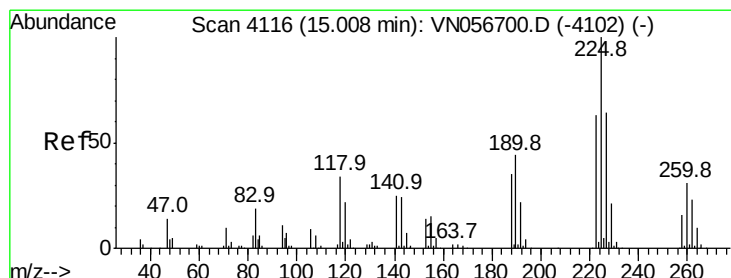
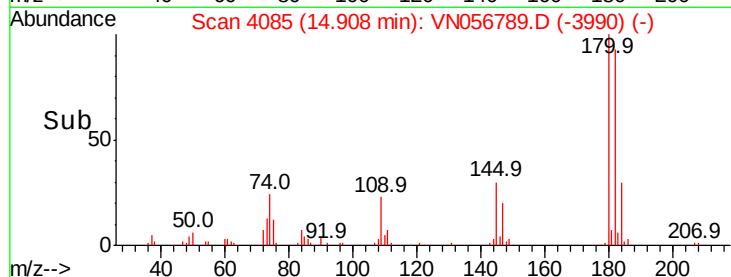
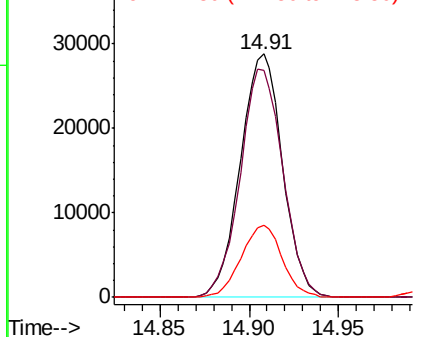


Abundance

Ion 179.80 (179.50 to 180.50): V

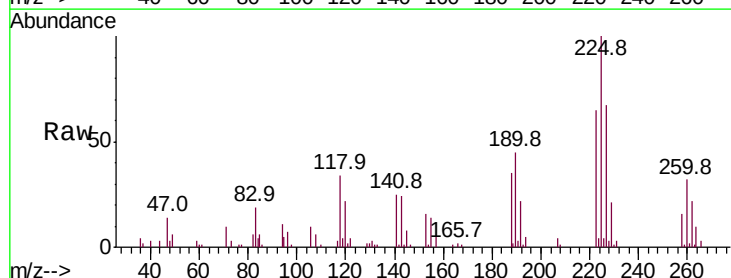
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 18.802 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.5	94.5
227	64.6	32.0	96.2

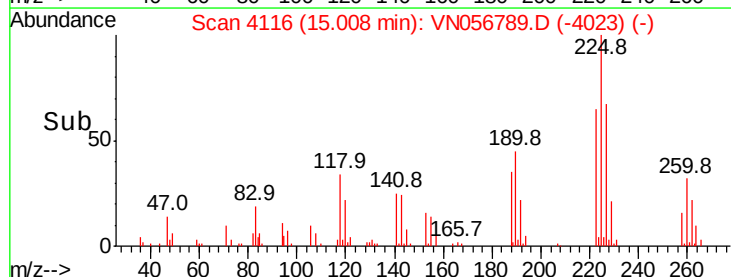
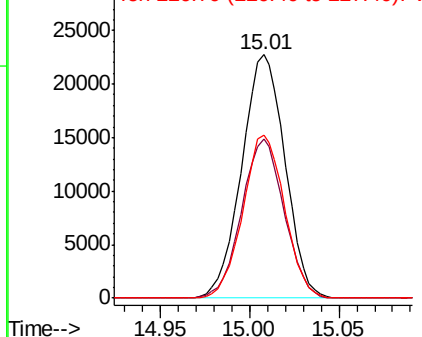


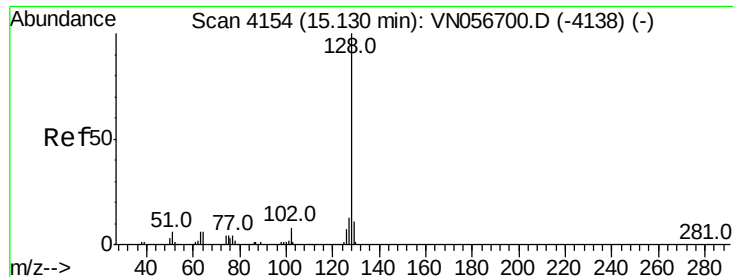
Abundance

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





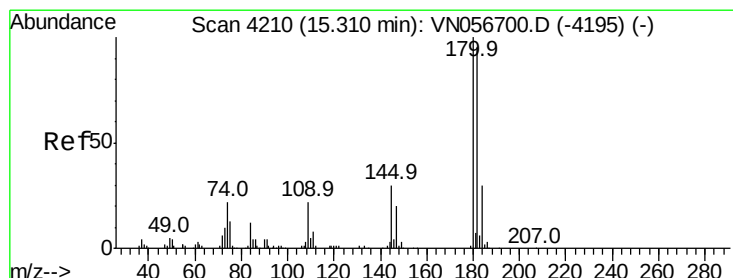
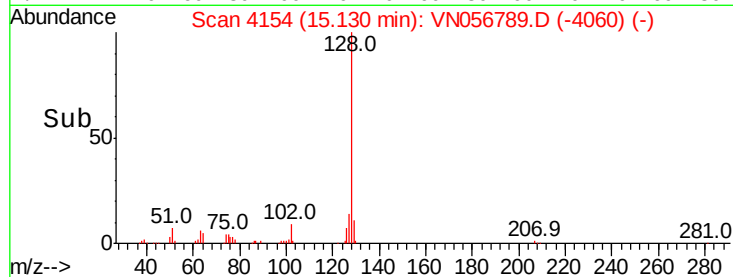
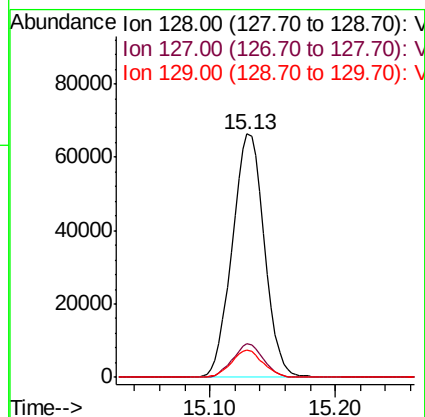
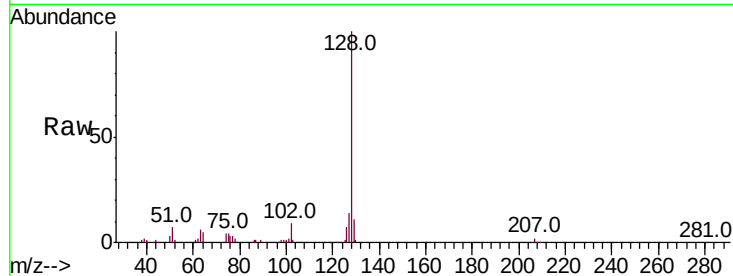
#95
Naphthalene
Concen: 15.807 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/19/2019 1:06:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.214 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056789.D
Acq: 17 Jul 2019 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	31.6	15.0	45.1

