

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056583.D
 Acq On : 3 Jul 2019 12:38
 Operator : JC/SP
 Sample : VN0703WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0703WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:09 AM

Quant Time: Jul 03 22:27:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	50177	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	278037	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	239506	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	103066	29.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.33%
60) 4-Bromofluorobenzene	12.40	95	108626	29.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.40%
63) Toluene-d8	10.09	98	338814	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	49556	19.694	ug/l 100
3) Chloromethane	2.06	50	71387	19.547	ug/l 99
4) Vinyl Chloride	2.18	62	67501	19.638	ug/l 99
5) Bromomethane	2.53	94	42342m	23.088	ug/l
6) Chloroethane	2.68	64	36794	19.330	ug/l 95
7) Trichlorofluoromethane	3.00	101	86403	19.584	ug/l 98
8) Diethyl Ether	3.41	74	37028	19.785	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	55304	19.783	ug/l 95
10) 1,1-Dichloroethene	3.73	96	53398	19.469	ug/l 97
11) Methyl Iodide	3.95	142	71551	18.242	ug/l 98
12) Methyl Acetate	4.33	43	68346	18.477	ug/l 99
13) Acrolein	3.61	56	31960	88.494	ug/l 99
14) Acrylonitrile	4.99	53	163299	100.544	ug/l 99
15) Acetone	3.82	58	44425	98.033	ug/l 89
16) Carbon Disulfide	4.05	76	121560	18.432	ug/l 98
17) Allyl chloride	4.32	41	90065	18.764	ug/l 98
18) Methylene Chloride	4.55	84	64633	19.930	ug/l 94
19) trans-1,2-Dichloroethene	5.04	96	56654	19.044	ug/l 94
20) Diisopropyl ether	5.95	45	194648	19.629	ug/l 95
21) 1,1-Dichloroethane	5.85	63	110289	19.716	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	68414	19.556	ug/l 94
23) tert-Butyl Alcohol	4.79	59	62057	102.142	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	178448	19.670	ug/l 99
25) Chloroform	7.37	83	109047	19.888	ug/l 97
26) Cyclohexane	7.65	56	100645	19.533	ug/l # 94
29) 1,1-Dichloropropene	7.79	75	81167	19.769	ug/l 96
30) 2-Butanone	6.84	43	220938	97.069	ug/l 98
31) 2,2-Dichloropropane	6.82	77	72922	18.472	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	83868	19.162	ug/l 98
33) Carbon Tetrachloride	7.77	117	70834	19.091	ug/l 99
34) Benzene	8.04	78	255880	19.931	ug/l 99
35) Methacrylonitrile	7.18	41	40538	20.055	ug/l 95
36) 1,2-Dichloroethane	8.13	62	80925	19.393	ug/l 97
37) Trichloroethene	8.84	130	64901	19.383	ug/l 96
38) Methylcyclohexane	9.08	83	98997	19.240	ug/l 98
39) 1,2-Dichloropropane	9.12	63	68543	19.833	ug/l 100
40) Dibromomethane	9.21	93	41607	19.476	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	75181	18.988	ug/l	99
42) Vinyl Acetate	5.90	43	803007	99.083	ug/l	98
43) Ethyl Acetate	6.93	43	88780	20.164	ug/l	93
44) Isopropyl Acetate	8.17	43	134934	19.643	ug/l	100
45) 1,4-Dioxane	9.21	88	27344	406.815	ug/l	87
46) Methyl methacrylate	9.20	41	65218	19.322	ug/l	96
47) n-amyl Acetate	12.07	43	109855	19.240	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	77890	18.355	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	92572	18.913	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	62594	19.889	ug/l	97
51) Ethyl methacrylate	10.43	69	95681	19.303	ug/l	95
52) 1,3-Dichloropropane	10.71	76	106322	19.881	ug/l	99
53) Dibromochloromethane	10.90	129	57264	18.564	ug/l	99
54) 1,2-Dibromoethane	11.01	107	63617	19.400	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	237654	94.090	ug/l	98
56) Bromoform	12.13	173	39288	17.528	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	438949	101.933	ug/l	97
59) 2-Hexanone	10.75	43	314248	98.342	ug/l	98
61) Tetrachloroethene	10.63	164	60790	20.222	ug/l	98
62) Toluene	10.16	91	267929	20.044	ug/l	99
64) Chlorobenzene	11.43	112	160058	19.875	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	56907	19.621	ug/l	99
66) Ethyl Benzene	11.51	91	287667	19.848	ug/l	99
67) m/p-Xylenes	11.62	106	213729	39.959	ug/l	94
68) o-Xylene	11.95	106	106663	20.165	ug/l	97
69) Styrene	11.96	104	170814	19.409	ug/l	98
70) Isopropylbenzene	12.25	105	279526	20.254	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	90885	19.919	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	79797m	20.796	ug/l	
73) Bromobenzene	12.53	156	69270	19.461	ug/l	90
74) n-propylbenzene	12.59	91	305603	19.517	ug/l	98
75) 2-Chlorotoluene	12.67	91	184132	19.666	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	232563	19.900	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	21143	17.203	ug/l	89
78) 4-Chlorotoluene	12.77	91	176942	19.432	ug/l	97
79) tert-butylbenzene	12.99	119	197576	19.787	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	227010	19.667	ug/l	99
81) sec-Butylbenzene	13.17	105	261507	19.750	ug/l	99
82) p-Isopropyltoluene	13.29	119	234132	19.667	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	112711	19.068	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	106730	18.718	ug/l	99
85) n-Butylbenzene	13.61	91	183732	18.365	ug/l	98
86) Hexachloroethane	13.87	117	33104	18.442	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	115259	19.201	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14810	18.114	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	54946	16.561	ug/l	97
90) Hexachlorobutadiene	15.01	225	38285	18.573	ug/l	99
91) Naphthalene	15.13	128	155226	16.671	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	61263	17.589	ug/l	98

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VN0703WBS01

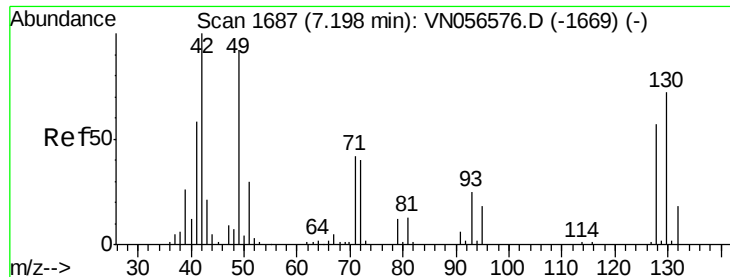
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

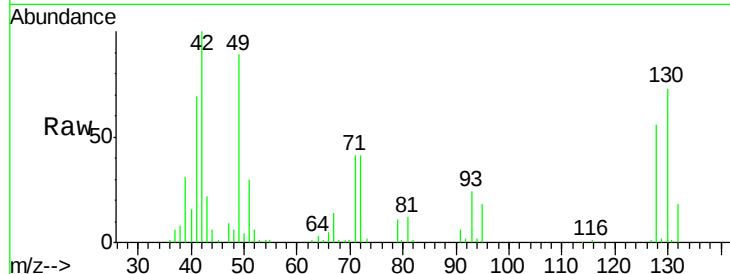
ClientSampleId :

VN0703WBS01

Tot Ion:	128	Resp:	50177
Ion	Ratio	Lower	Upper
128	100		
49	159.5	0.0	355.8
130	126.8	0.0	326.3

Manual Integrations
APPROVED

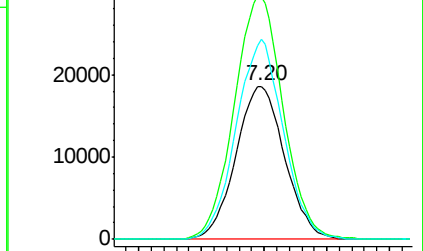
MMDadoda
7/8/2019 10:05:09 AM



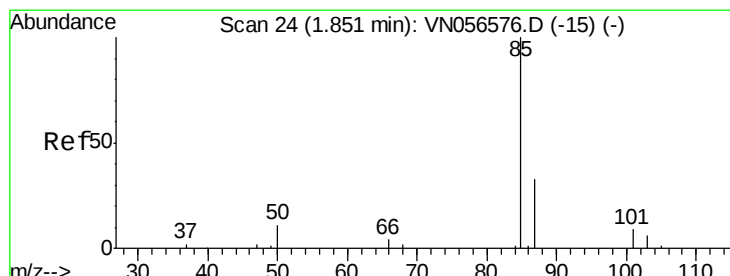
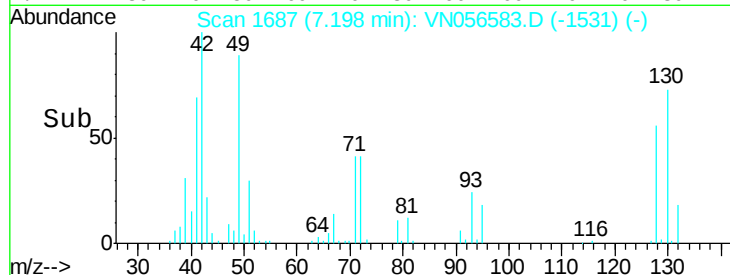
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 19.694 ug/l

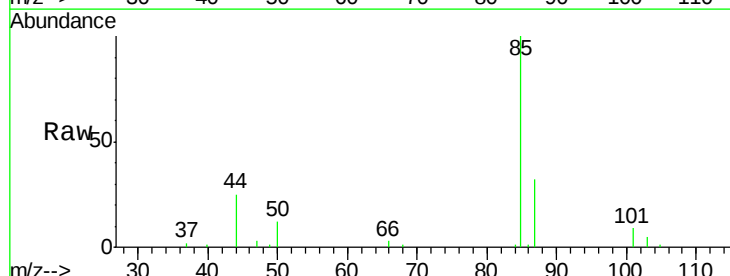
RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056583.D

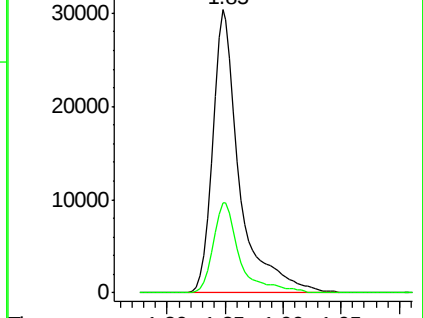
Acq: 3 Jul 2019 12:38

Tgt Ion:	85	Resp:	49556
Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.9	47.7

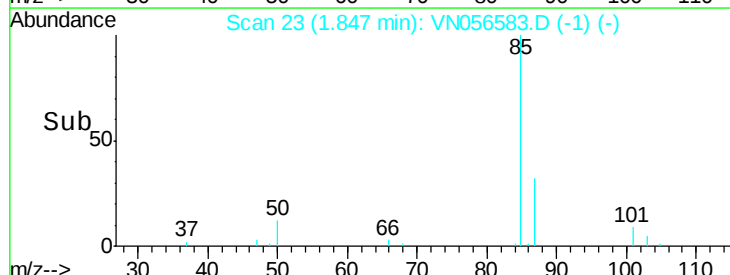


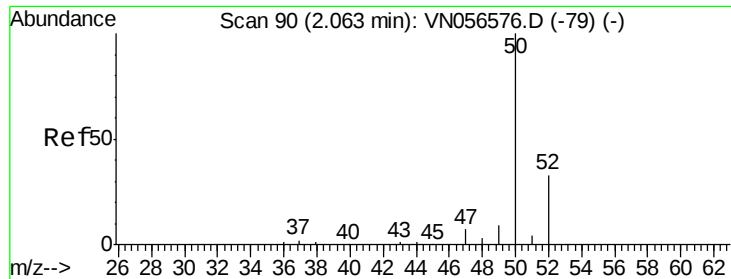
Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 19.547 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0703WBS01

Tot Ion: 50 Resp: 71387

Ion Ratio Lower Upper

50 100

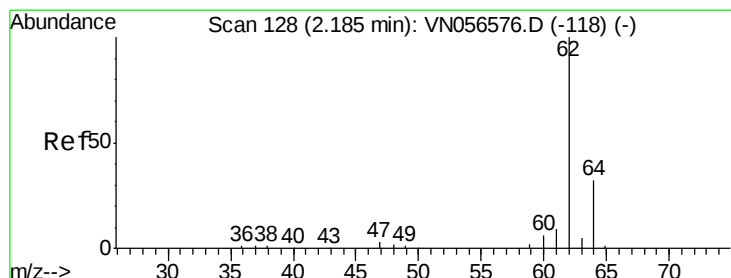
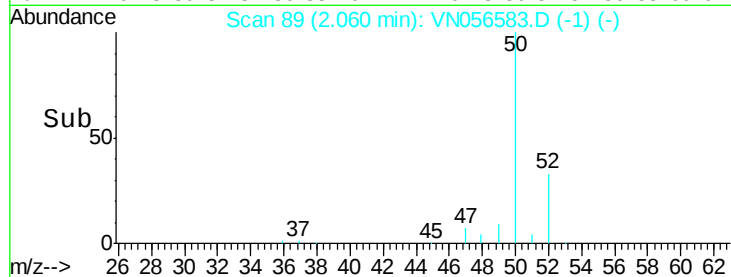
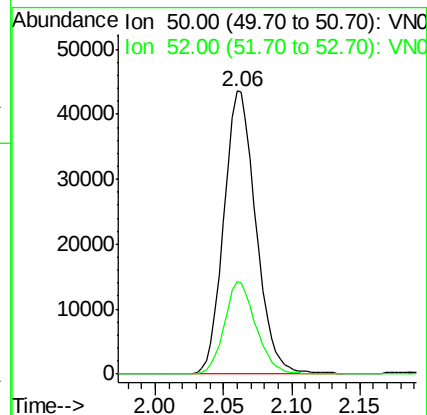
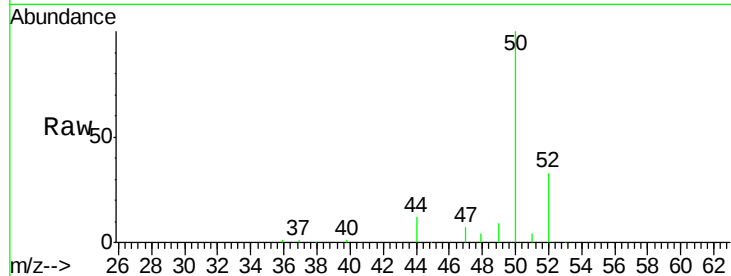
52 32.8 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.638 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056583.D

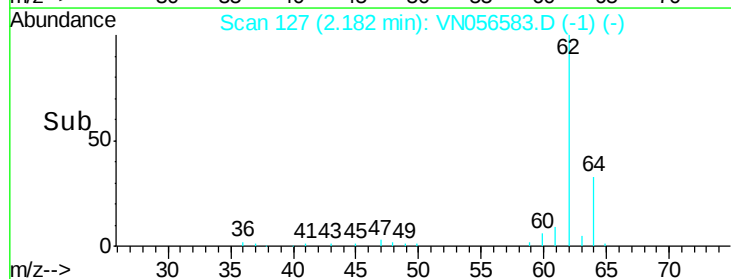
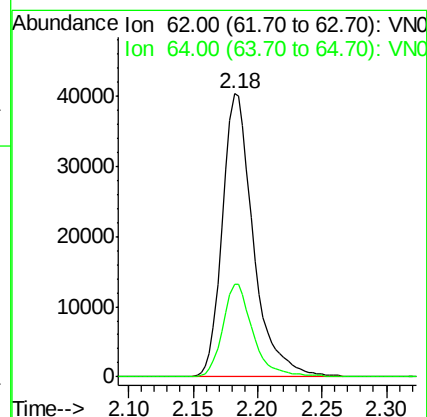
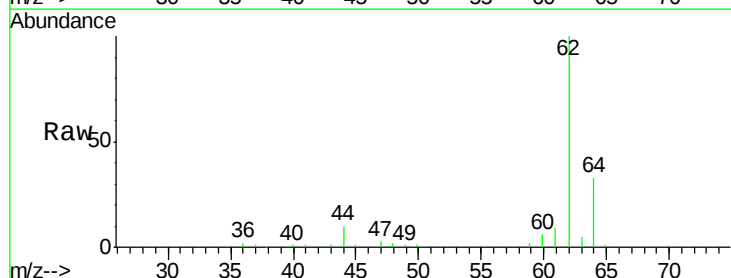
Acq: 3 Jul 2019 12:38

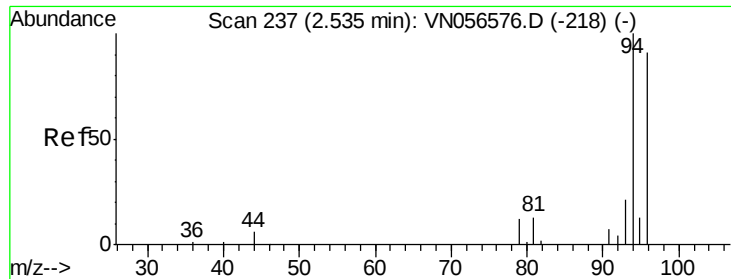
Tgt Ion: 62 Resp: 67501

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 23.088 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0703WBS01

Tot Ion: 94 Resp: 42342

Ion Ratio Lower Upper

94 100

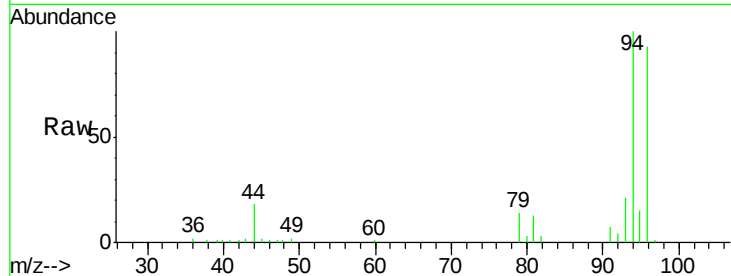
96 92.7 74.1 111.1

Manual Integrations

APPROVED

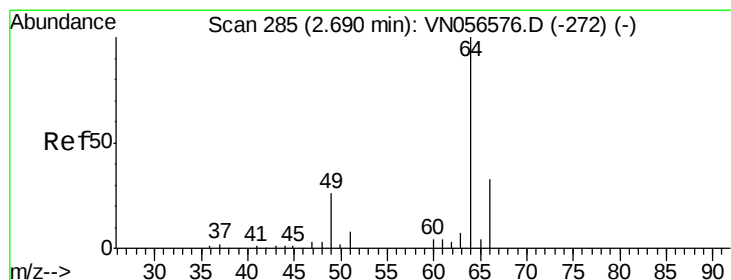
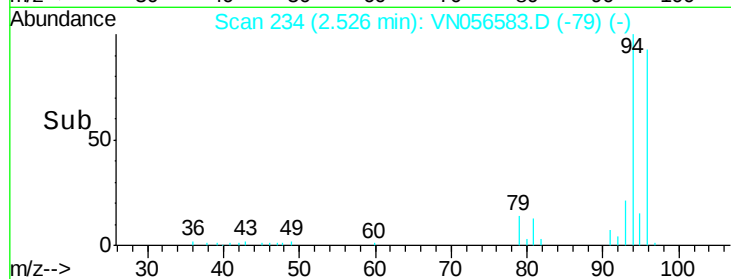
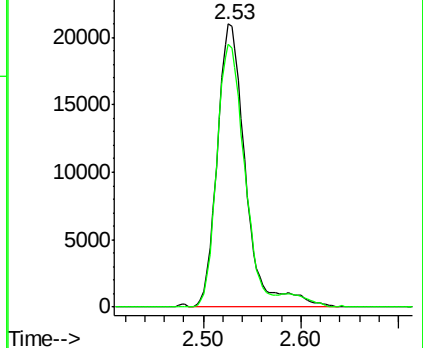
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.330 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN056583.D

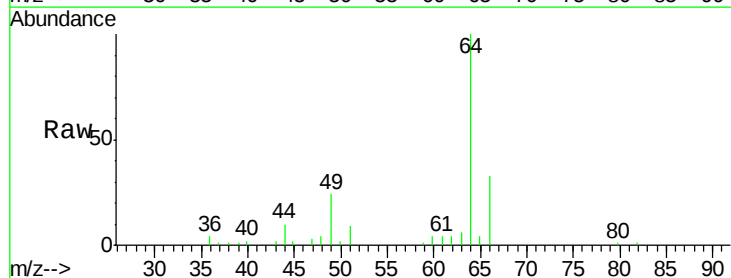
Acq: 3 Jul 2019 12:38

Tgt Ion: 64 Resp: 36794

Ion Ratio Lower Upper

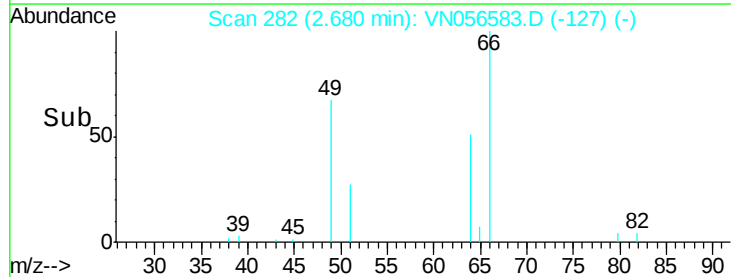
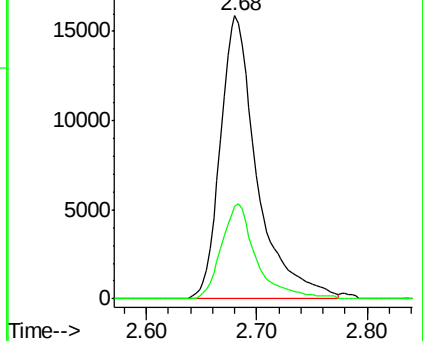
64 100

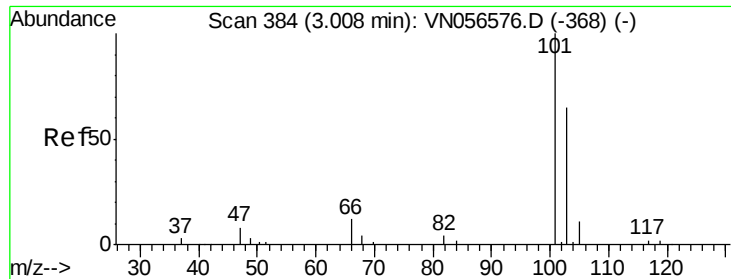
66 32.6 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

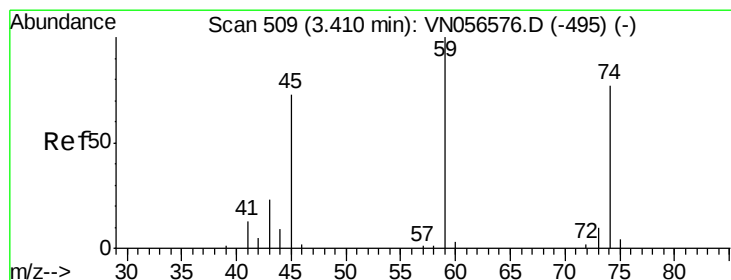
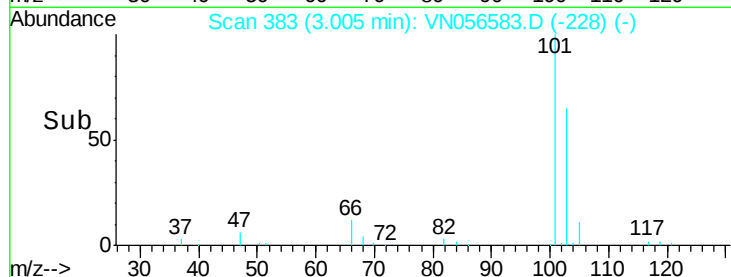
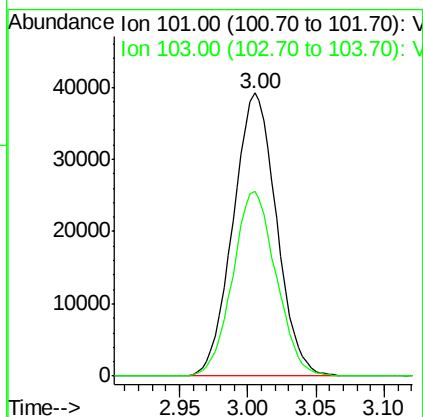
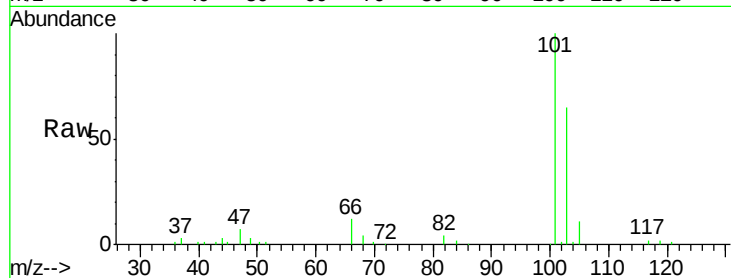
Trichlorofluoromethane
Concen: 19.584 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0703WBS01

Tot Ion:101 Resp: 86403
Ion Ratio Lower Upper
101 100
103 65.4 53.4 80.0

Manual Integrations
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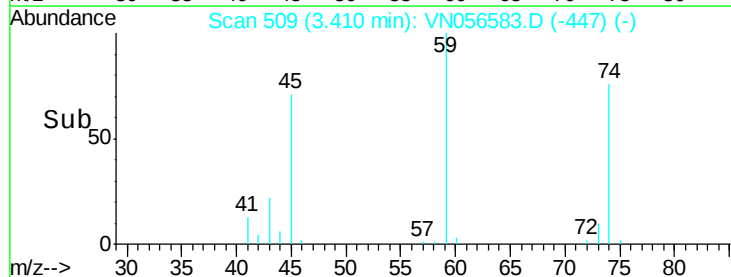
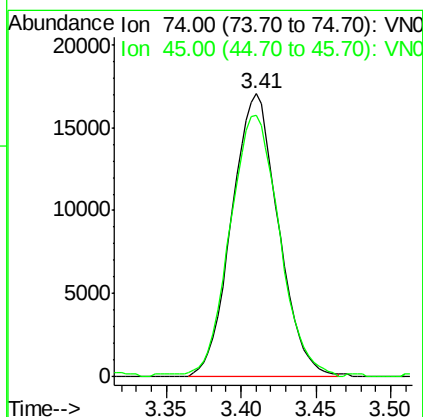
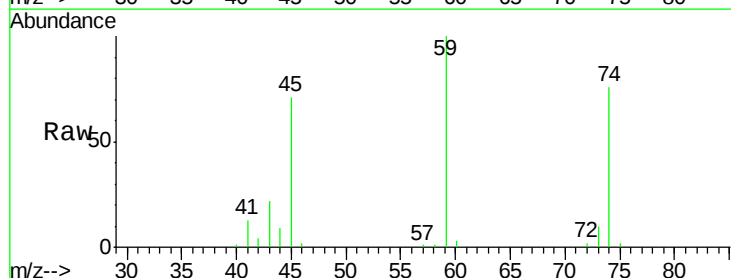
MMDadoda
7/8/2019 10:05:09 AM

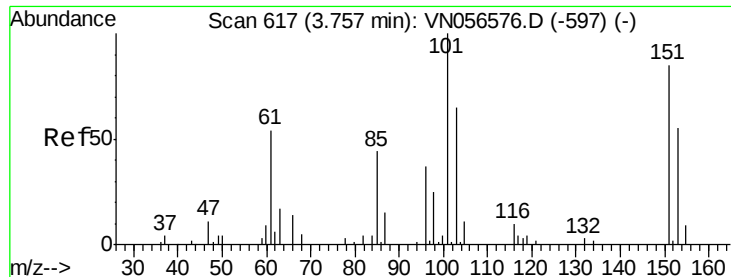


#8

Diethyl Ether
Concen: 19.785 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion: 74 Resp: 37028
Ion Ratio Lower Upper
74 100
45 98.0 18.8 169.6





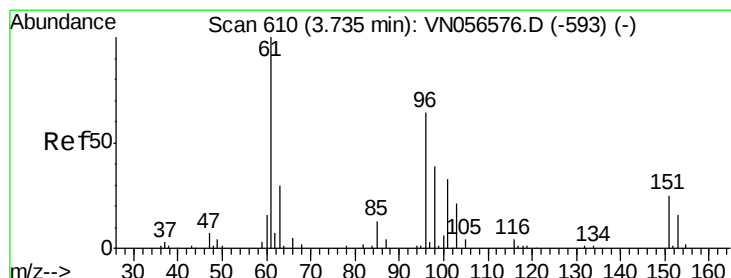
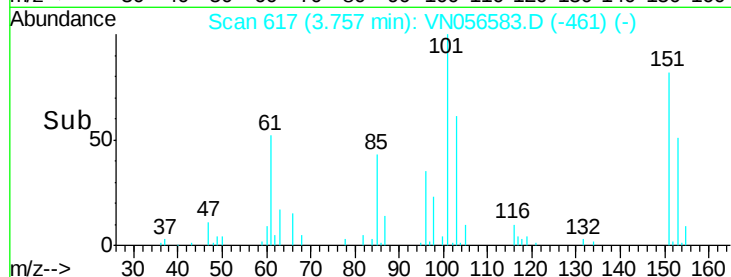
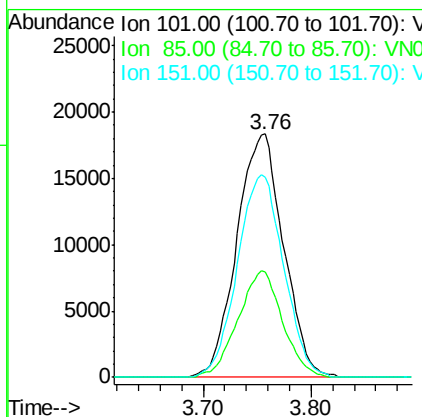
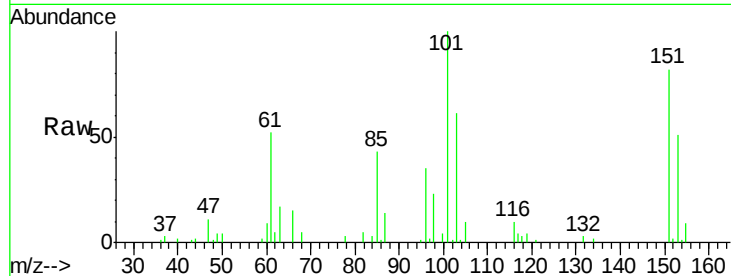
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.783 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	55304		
85	41.6	0.0	82.0	
151	82.4	0.0	177.0	

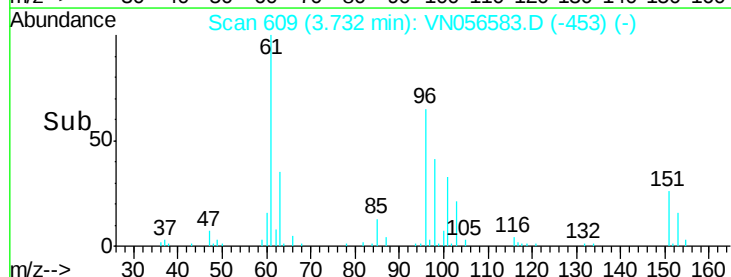
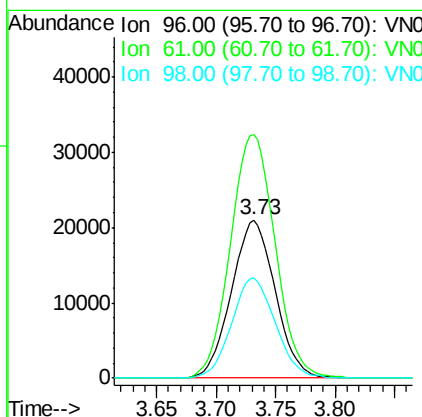
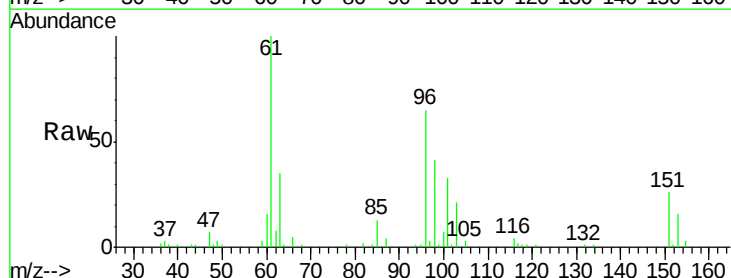
Manual Integrations
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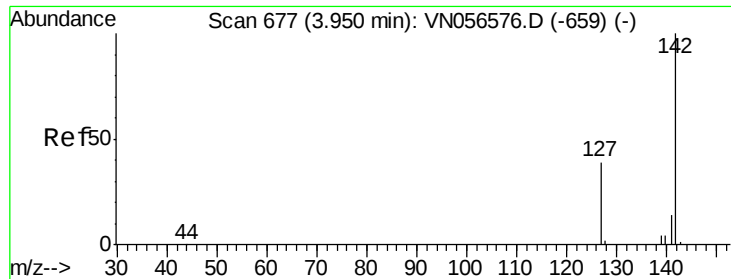
MMDadoda
 7/8/2019 10:05:09 AM



#10
 1,1-Dichloroethene
 Concen: 19.469 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53398		
61	154.2	119.7	179.5	
98	63.2	52.3	78.5	





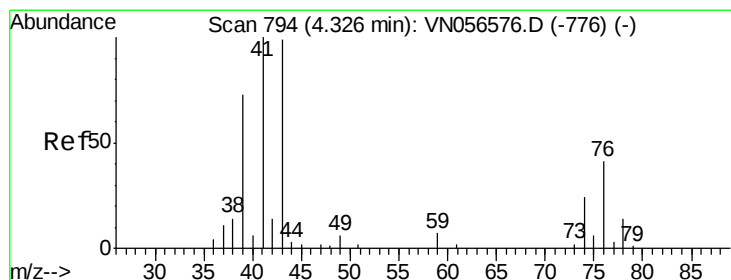
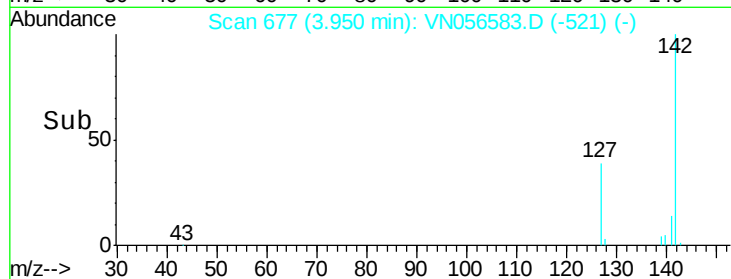
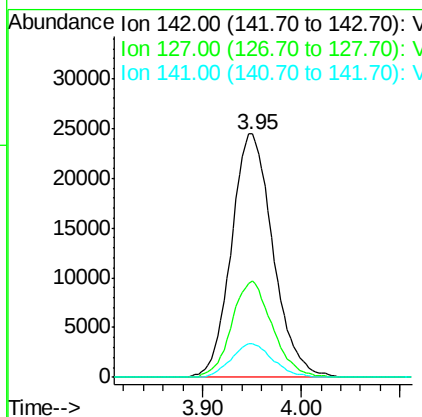
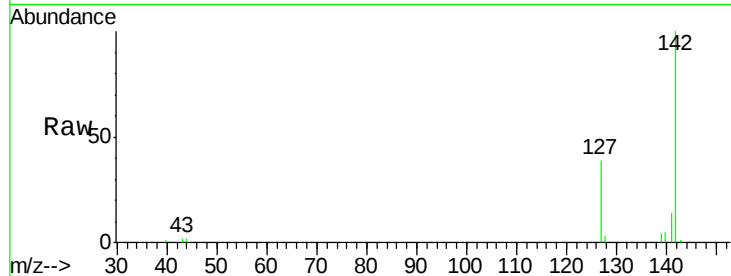
#11
Methvl Iodide
Concen: 18.242 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.0	57.0
141	14.0	6.7	20.0

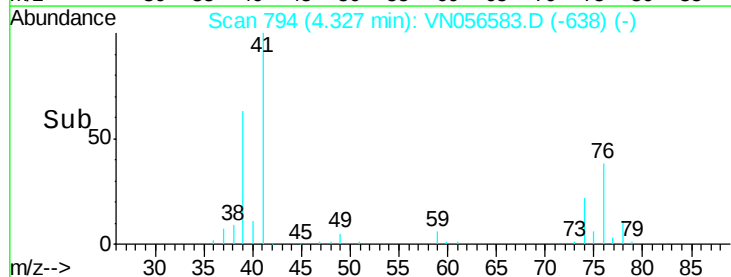
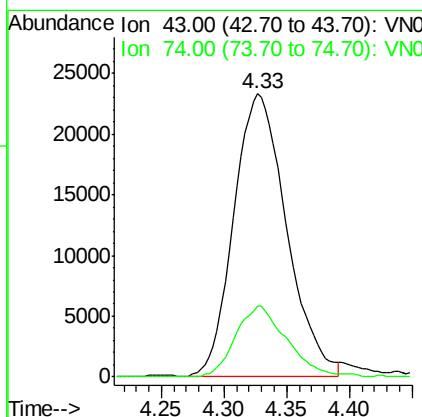
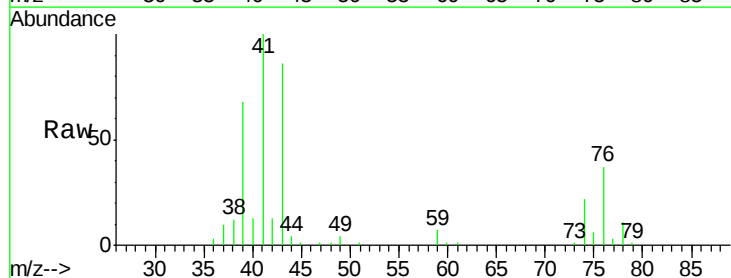
Manual Integrations
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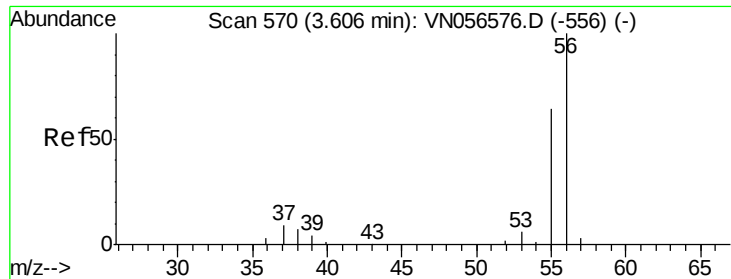
MMDadoda
7/8/2019 10:05:09 AM



#12
Methyl Acetate
Concen: 18.477 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.9	29.9





#13

Acrolein

Concen: 88.494 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0703WBS01

Tot Ion: 56 Resp: 31960

Ion Ratio Lower Upper

56 100

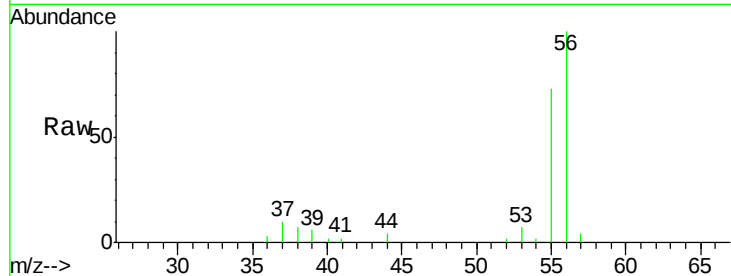
55 71.8 57.9 86.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

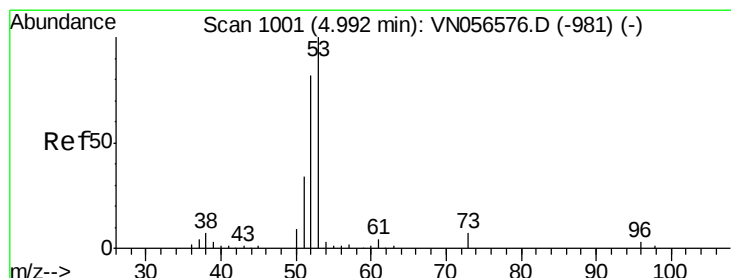
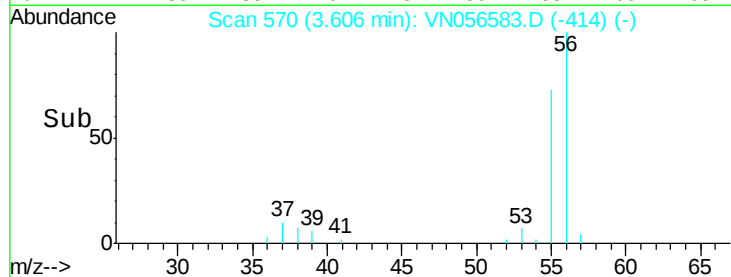
10000

5000

0

Time-->

3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 100.544 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

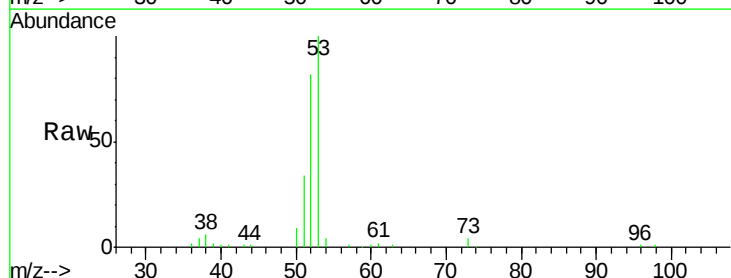
Tgt Ion: 53 Resp: 163299

Ion Ratio Lower Upper

53 100

52 81.0 40.8 122.2

51 34.3 17.3 52.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

60000

50000

40000

30000

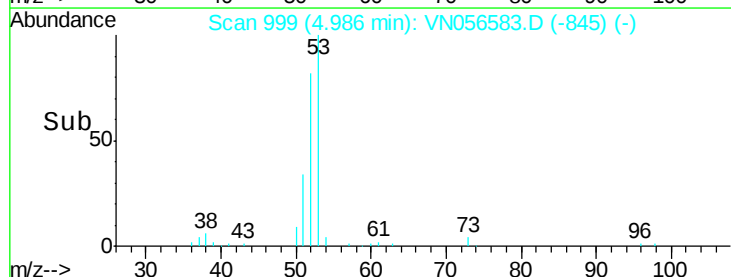
20000

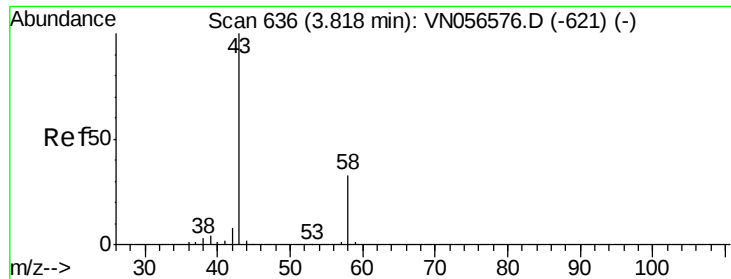
10000

0

Time-->

4.90 5.00 5.10





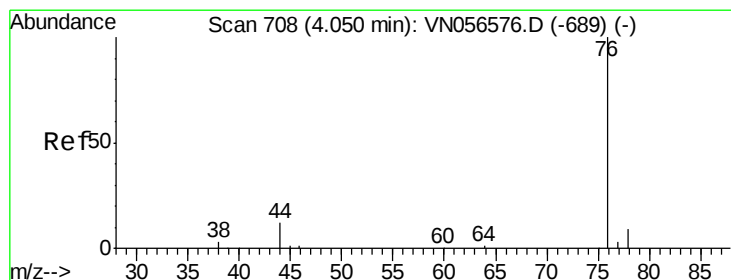
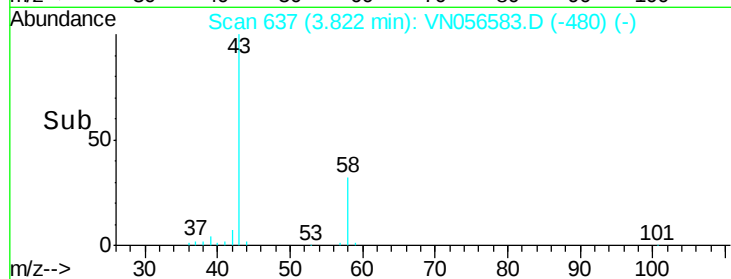
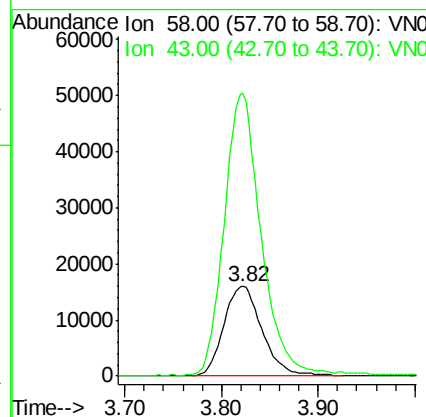
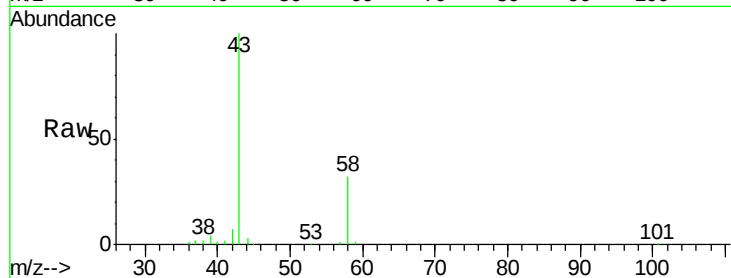
#15
Acetone
Concen: 98.033 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion: 58 Resp: 44425
Ion Ratio Lower Upper
58 100
43 312.7 232.5 348.7

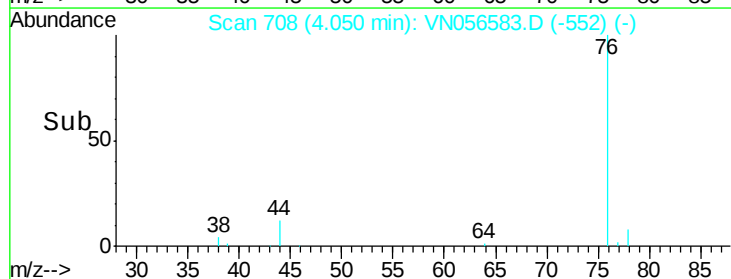
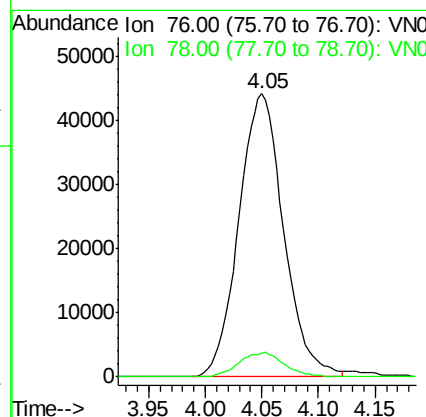
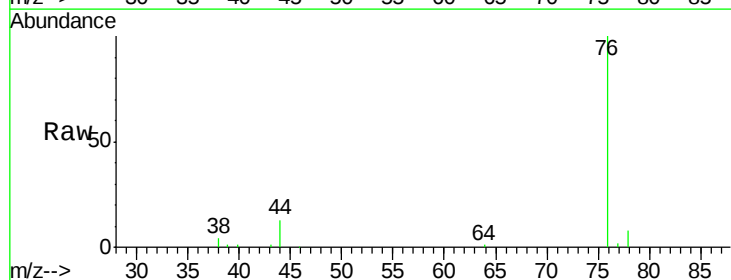
Manual Integrations
APPROVED

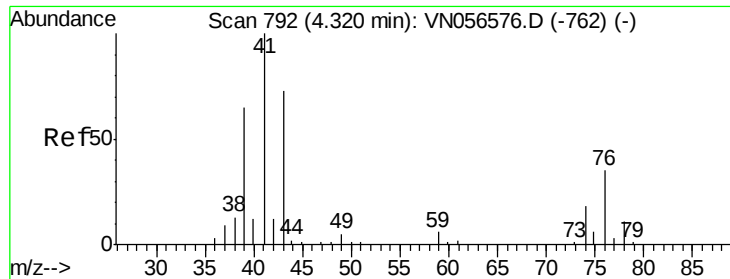
MMDadoda
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#16
Carbon Disulfide
Concen: 18.432 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion: 76 Resp: 121560
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9





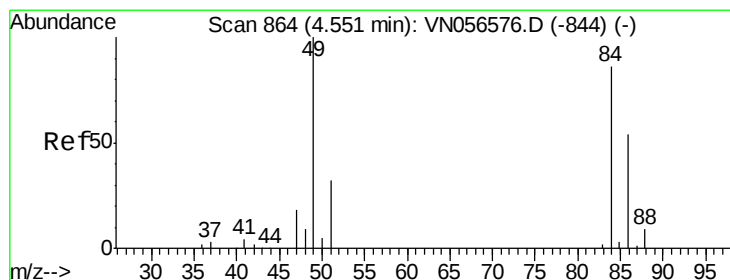
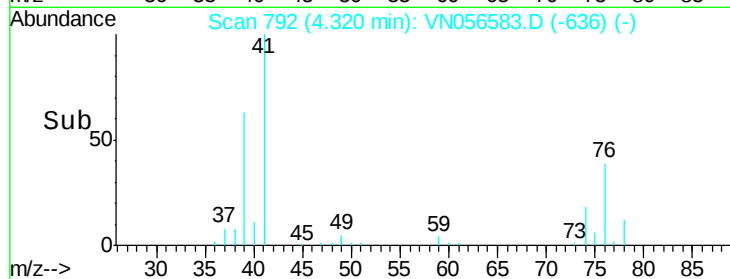
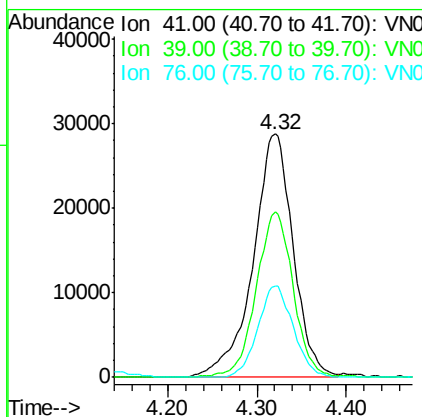
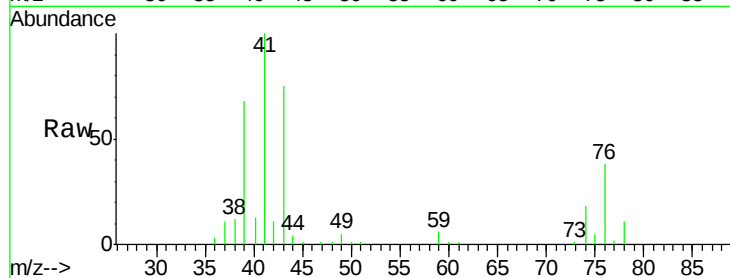
#17
Allvl chloride
Concen: 18.764 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.8	33.0	99.0
76	37.7	18.9	56.9

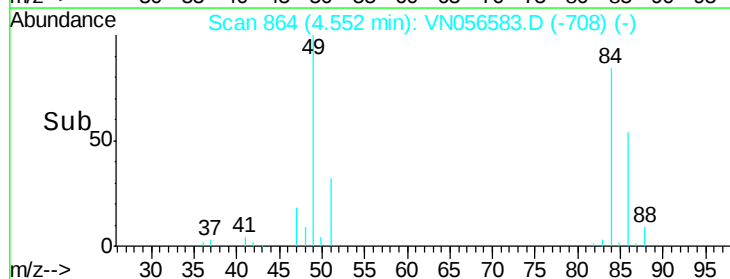
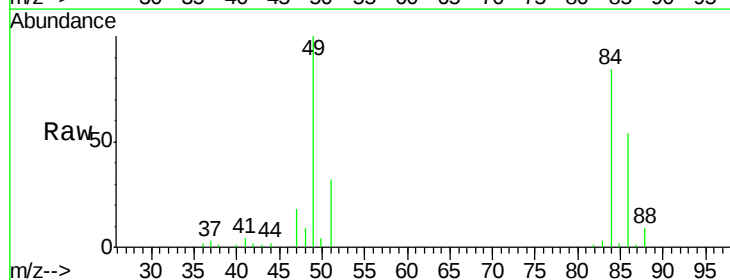
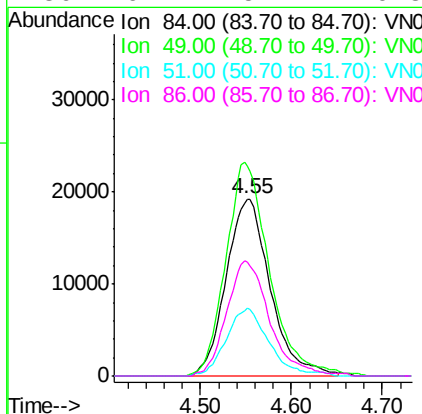
Manual Integrations
APPROVED

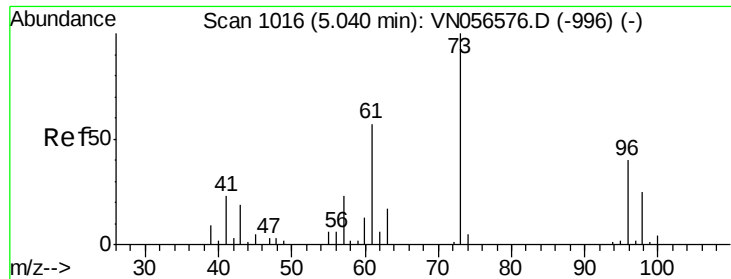
MMDadoda
7/8/2019 10:05:09 AM



#18
Methylene Chloride
Concen: 19.930 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	87.6	131.4
51	38.4	27.0	40.4
86	64.7	51.2	76.8





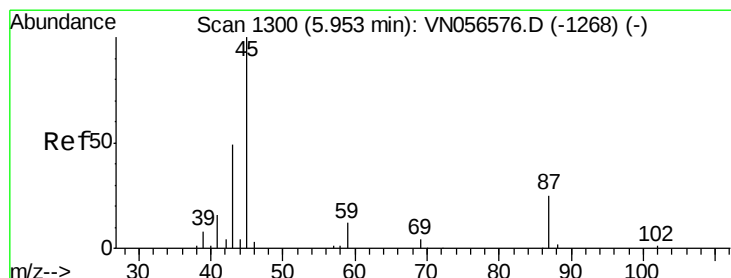
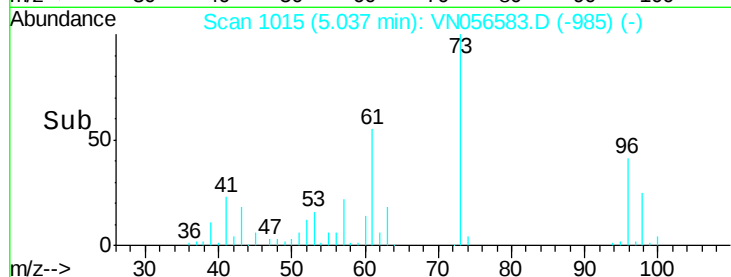
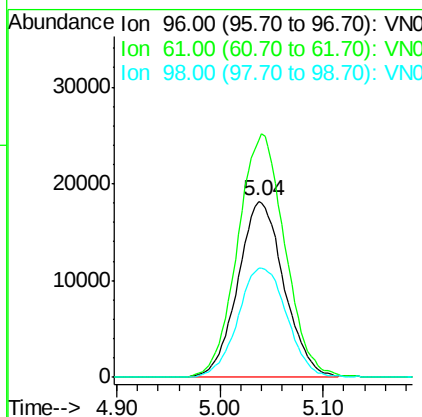
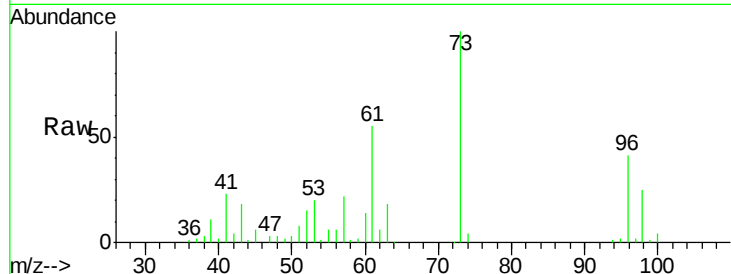
#19
trans-1,2-Dichloroethene
Concen: 19.044 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	102.5	153.7
98	61.9	46.9	70.3

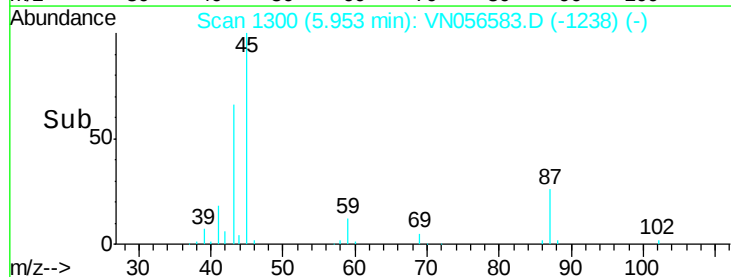
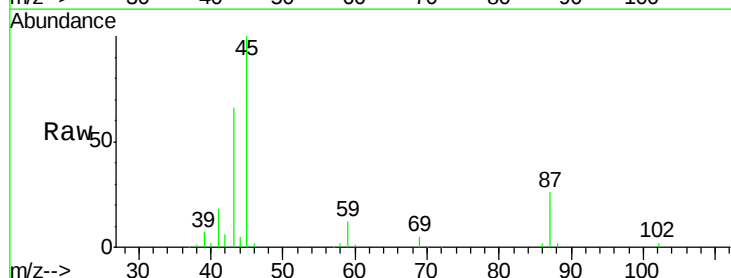
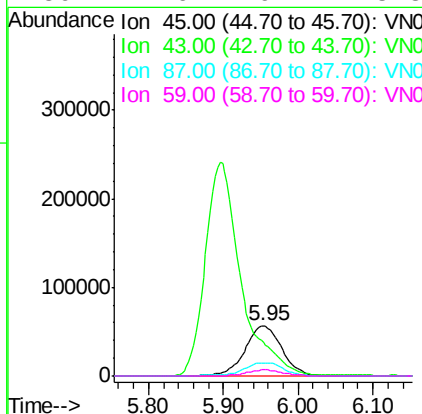
Manual Integrations
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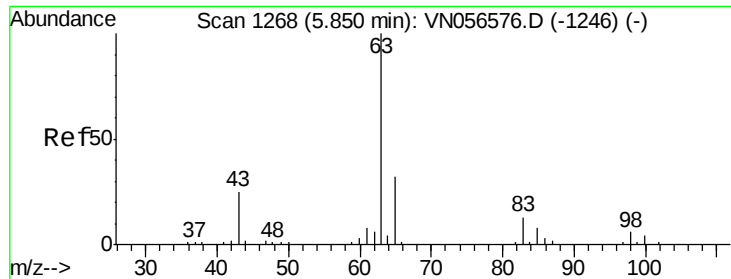
MMDadoda
7/8/2019 10:05:09 AM



#20
Diisopropyl ether
Concen: 19.629 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	48.0	72.0
87	26.1	23.4	35.2
59	11.6	9.2	13.8





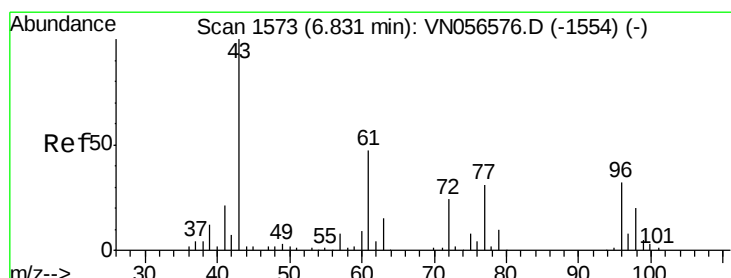
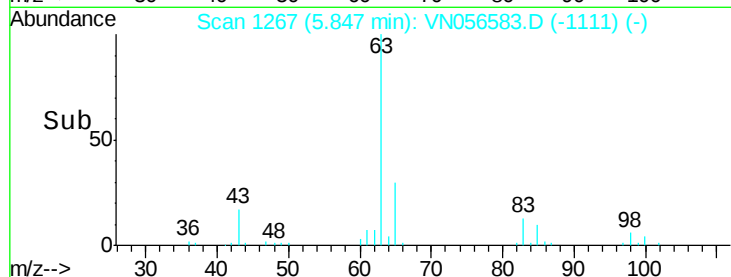
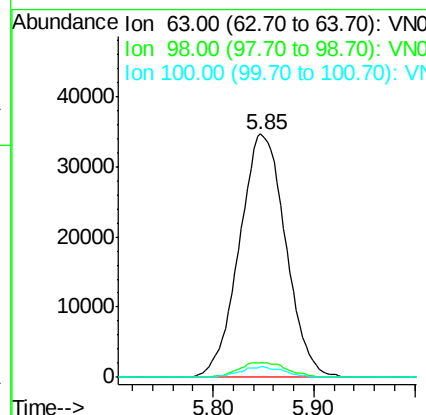
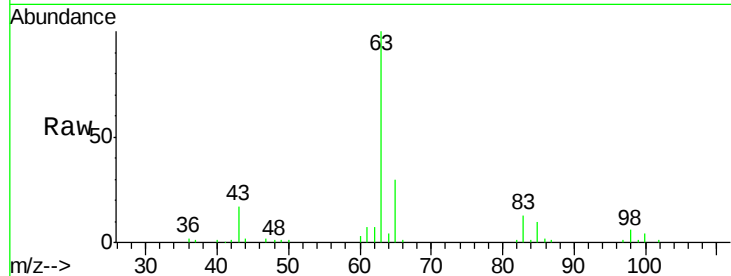
#21
 1,1-Dichloroethane
 Concen: 19.716 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.0	3.5	10.5	
100	4.2	2.3	6.9	

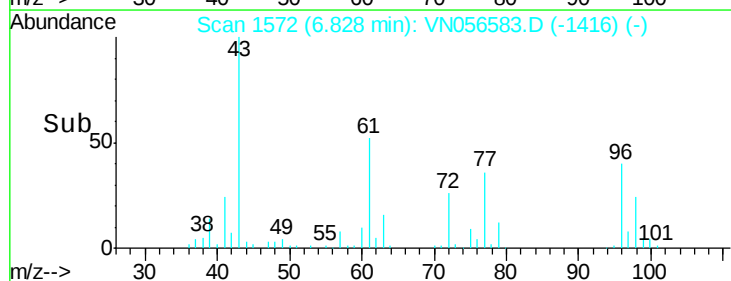
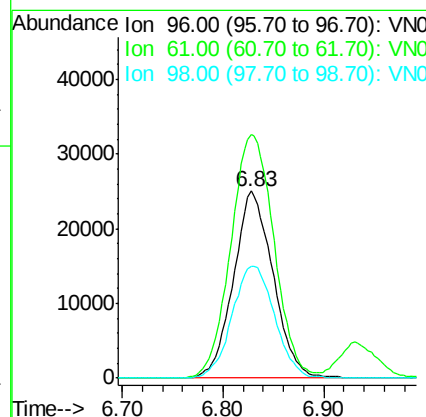
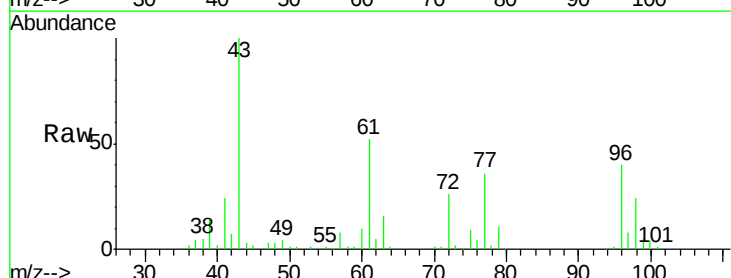
Manual Integrations
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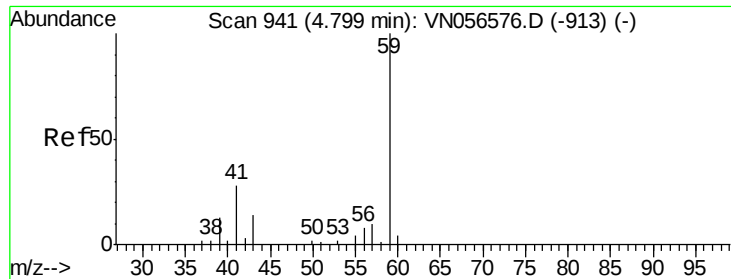
MMDadoda
 7/8/2019 10:05:09 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.556 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.5	105.7	158.5	
98	64.1	52.0	78.0	





#23

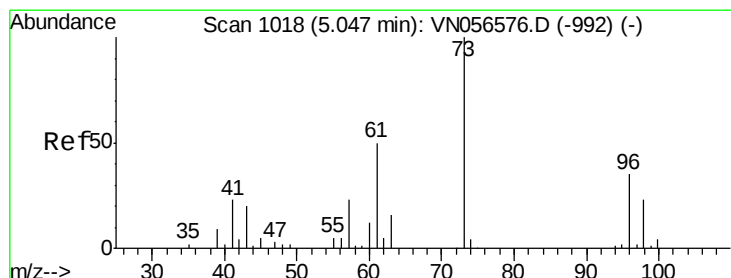
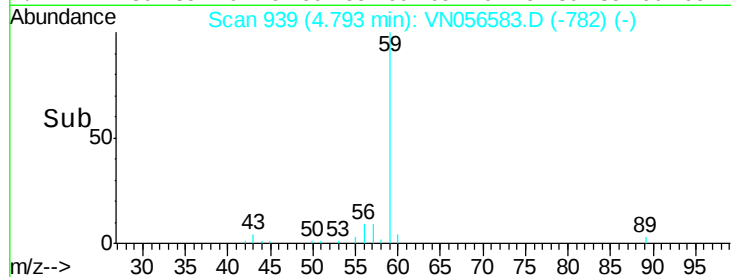
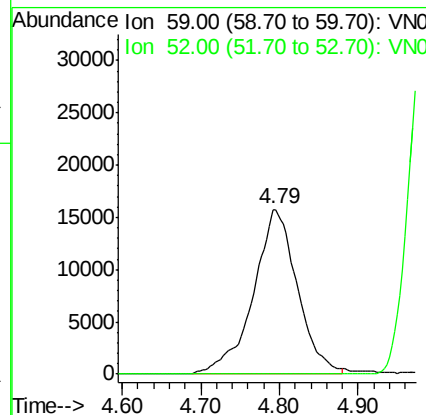
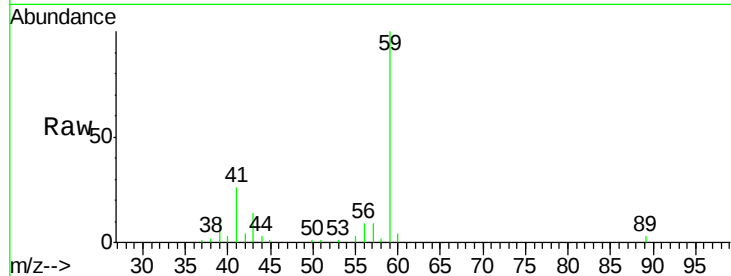
tert-Butyl Alcohol
 Concen: 102.142 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBS01

Tot Ion	59	52	Ratio	Lower	Upper
62057	100	0.0		0.0	0.0

Manual Integrations
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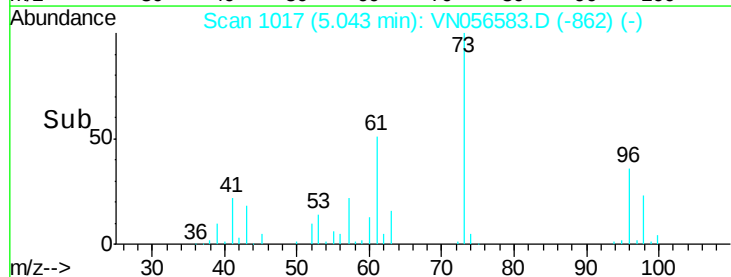
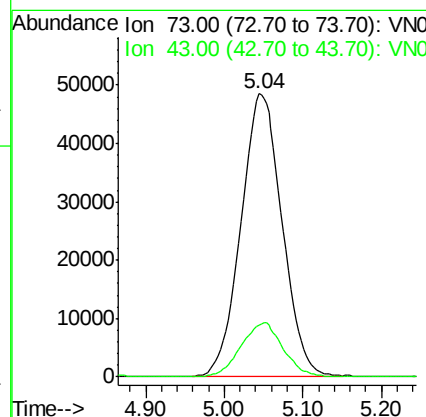
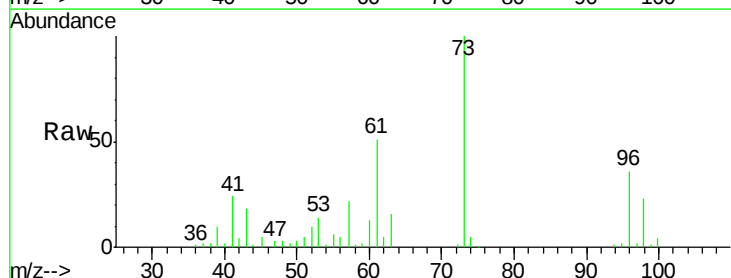
MMDadoda
 7/8/2019 10:05:09 AM

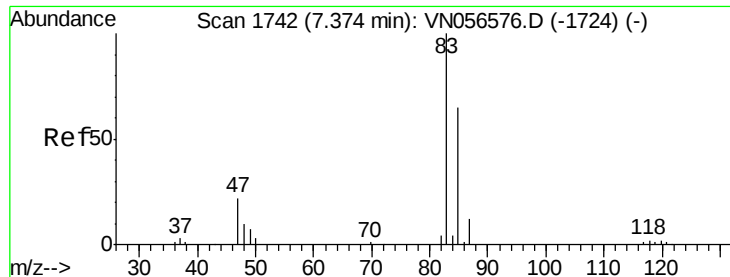


#24

Methyl tert-Butyl Ether
 Concen: 19.670 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	73	43	Ratio	Lower	Upper
178448	100	19.6		15.4	23.0





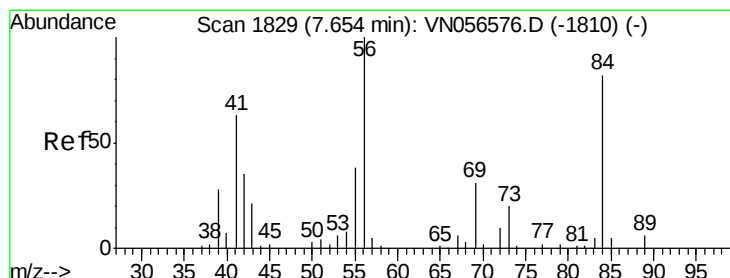
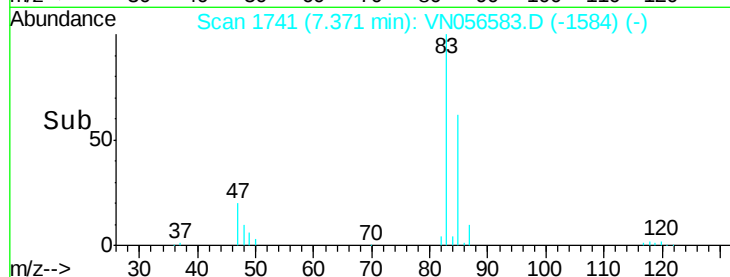
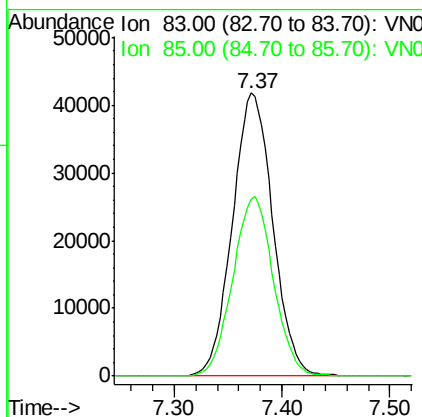
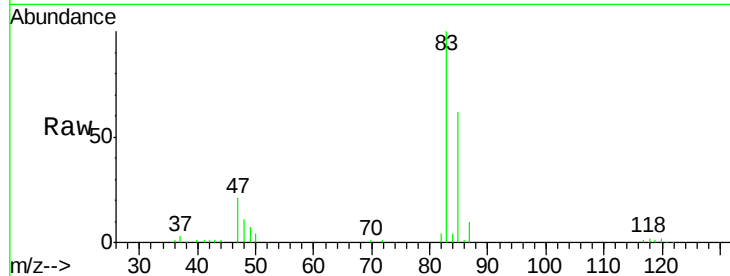
#25
Chloroform
Concen: 19.888 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	83	Resp	109047
Ion Ratio	100	Lower	Upper
85	62.4	52.0	78.0

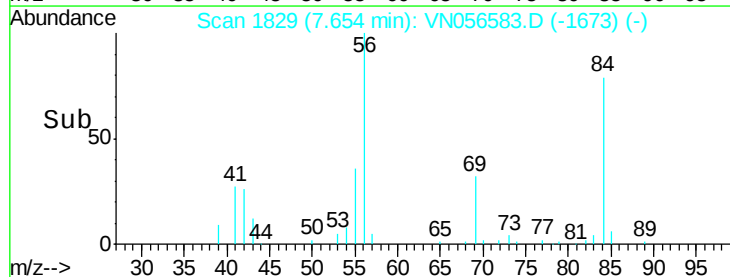
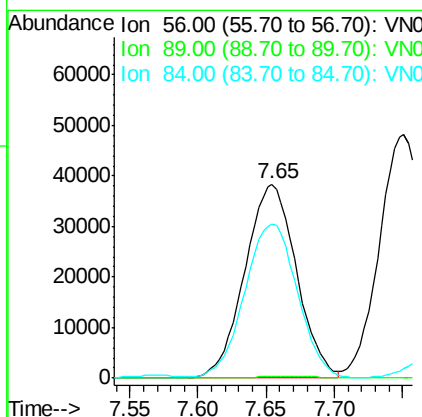
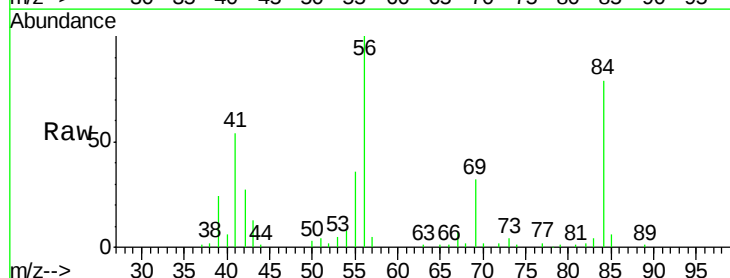
Manual Integrations
APPROVED

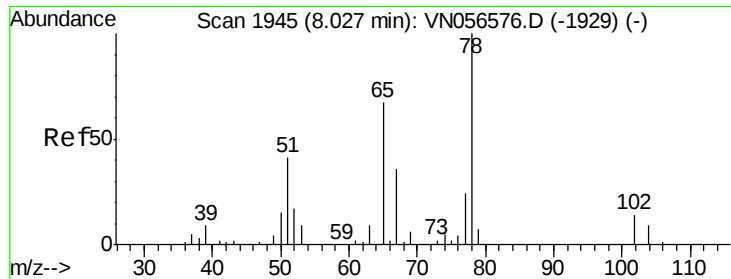
MMDadoda
7/8/2019 10:05:09 AM



#26
Cyclohexane
Concen: 19.533 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	56	Resp	100645
Ion Ratio	100	Lower	Upper
89	0.4	0.0	0.0#
84	81.6	70.1	105.1





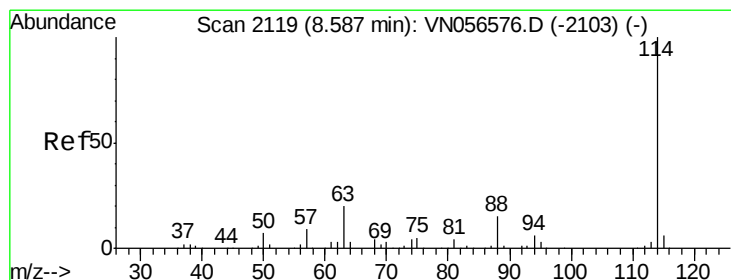
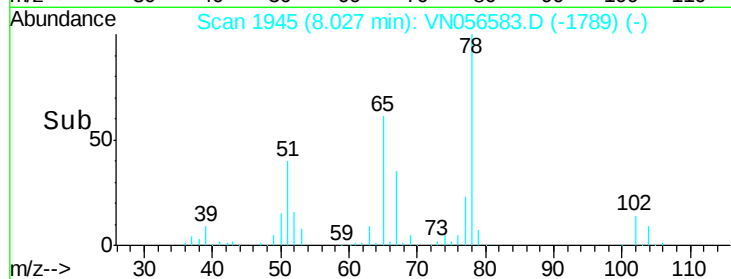
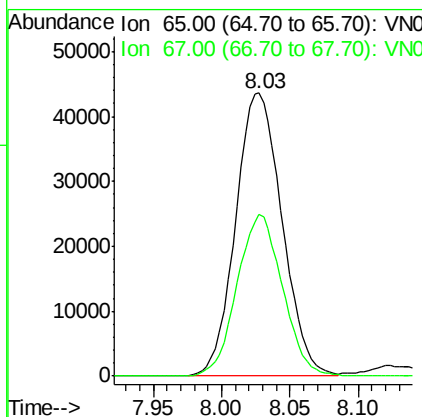
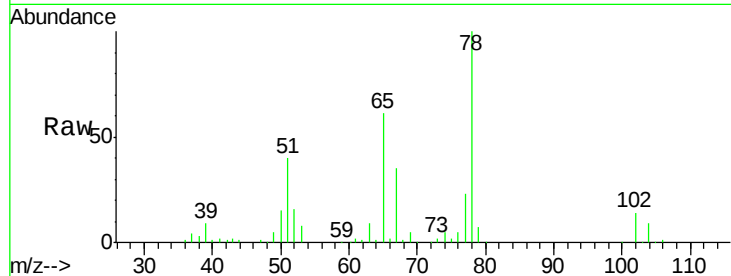
#27
 1,2-Dichloroethane-d4
 Concen: 29.795 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.8	43.4	65.2	

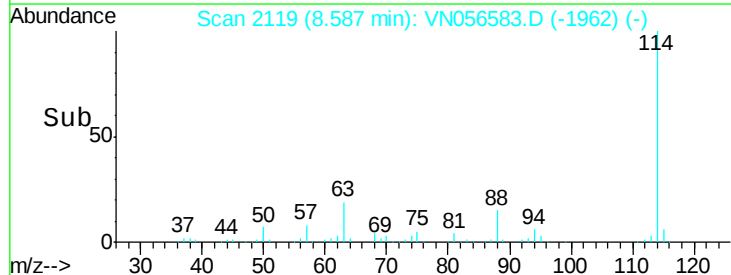
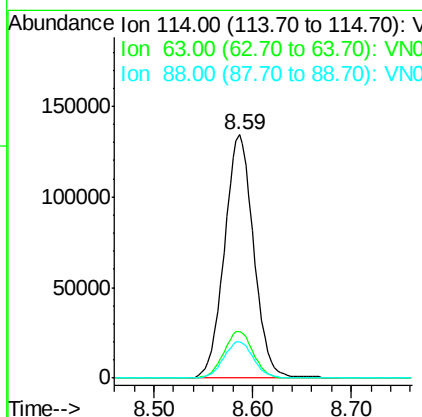
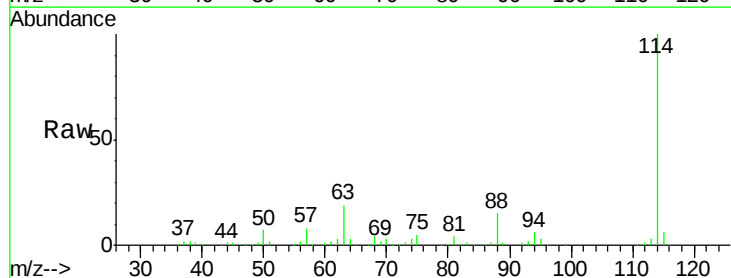
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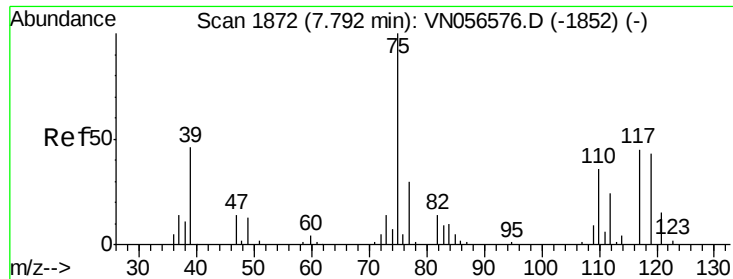
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 7/8/2019 10:05:09 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	14.7	22.1	
88	15.2	11.9	17.9	





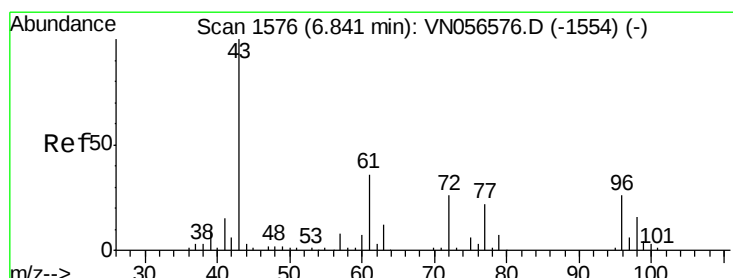
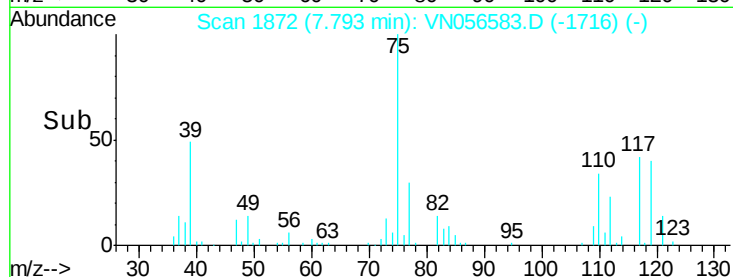
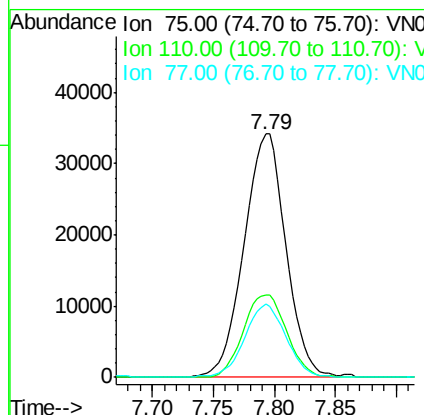
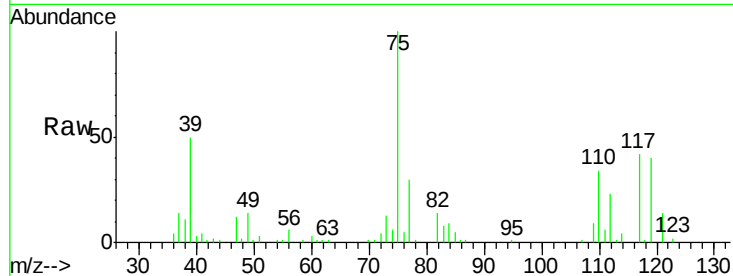
#29
 1,1-Dichloropropene
 Concen: 19.769 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.0	0.0	77.0
77	29.7	0.0	62.4

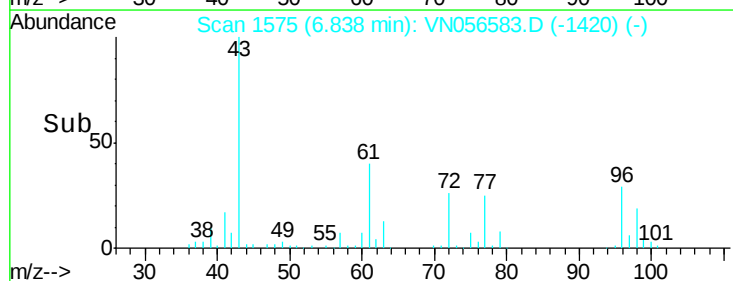
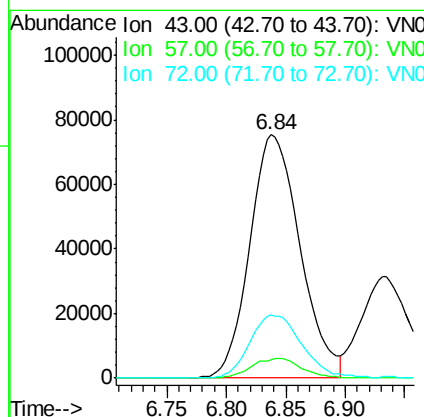
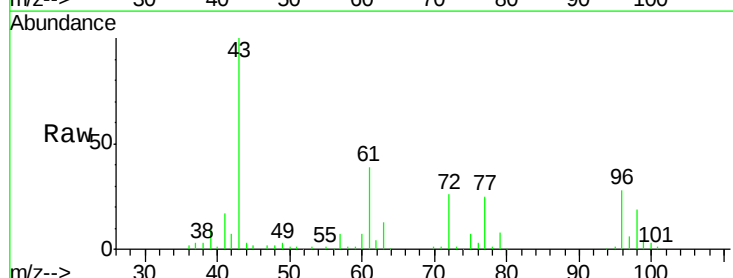
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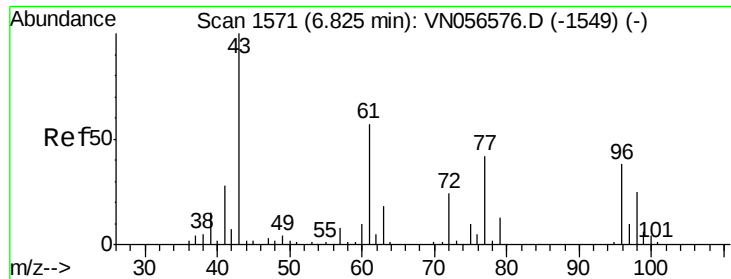
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#30
 2-Butanone
 Concen: 97.069 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.7	10.1
72	26.8	22.4	33.6





#31

2,2-Dichloropropane

Concen: 18.472 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0703WBS01

Tot Ion: 77 Resp: 72922

Ion Ratio Lower Upper

77 100

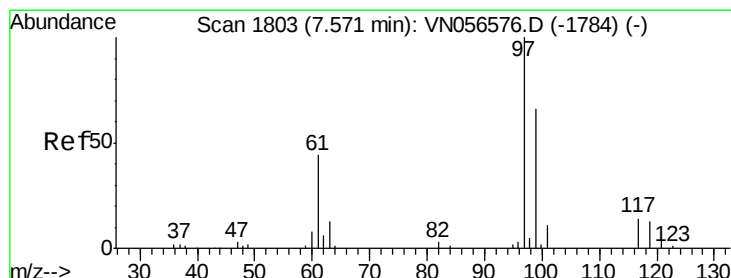
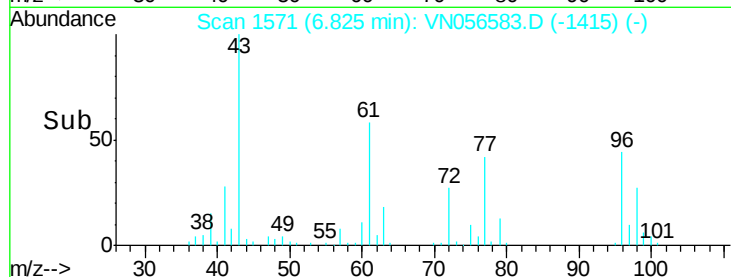
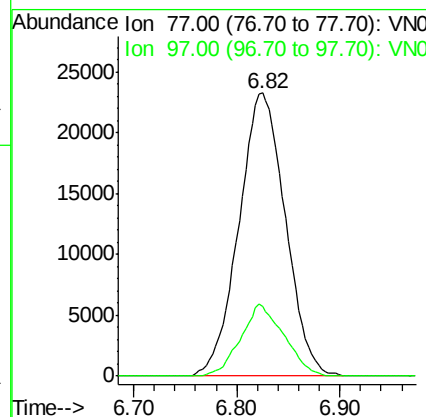
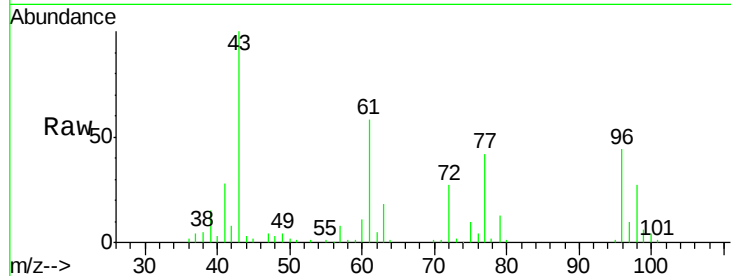
97 23.5 20.8 31.2

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#32

1,1,1-Trichloroethane

Concen: 19.162 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

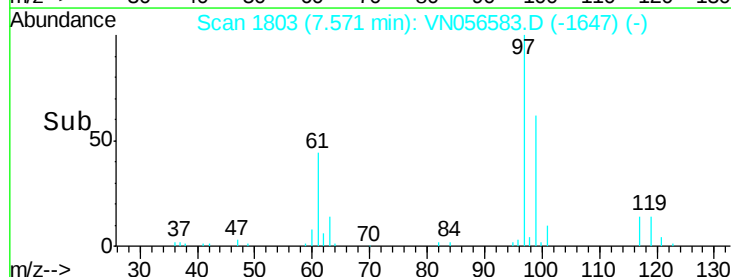
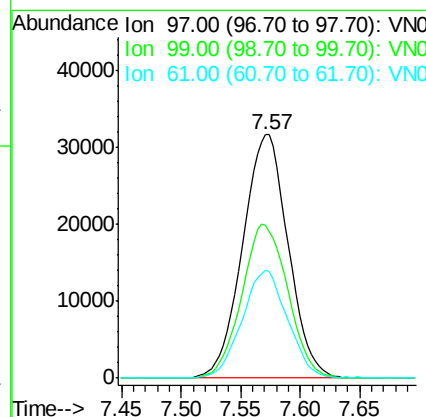
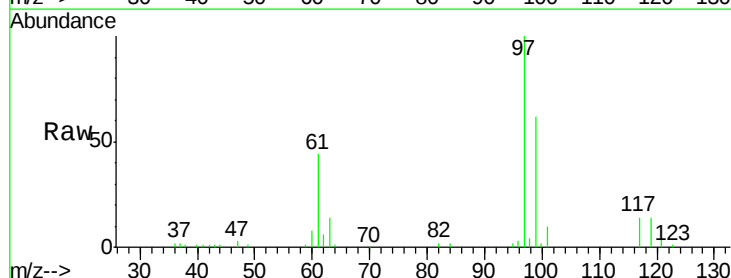
Tgt Ion: 97 Resp: 83868

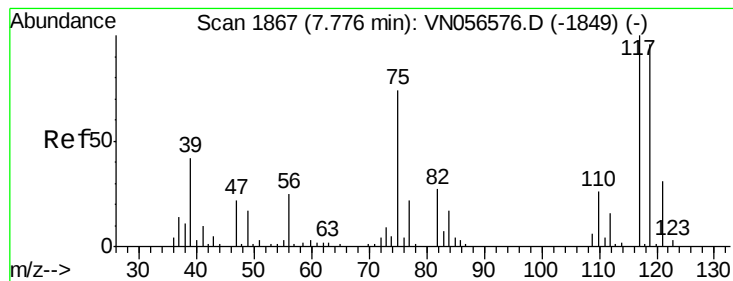
Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

61 44.1 32.9 49.3





#33

Carbon Tetrachloride

Concen: 19.091 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0703WBS01

Tot Ion:117 Resp: 70834

Ion Ratio Lower Upper

117 100

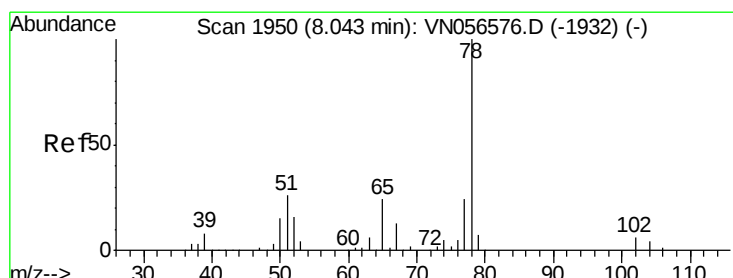
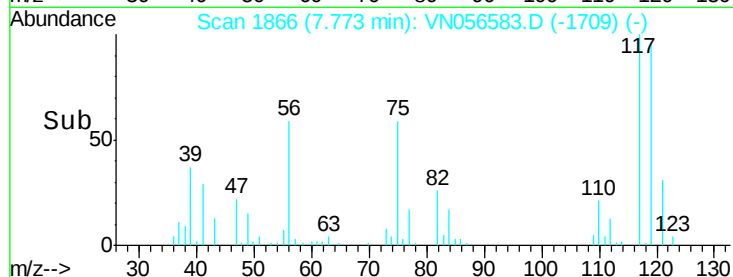
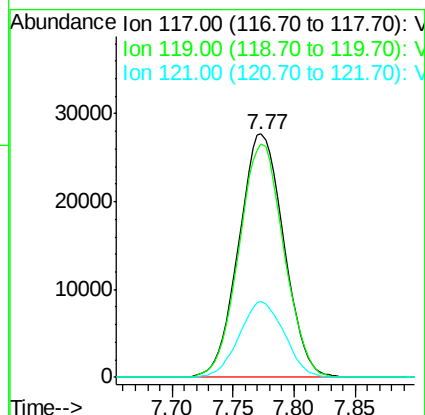
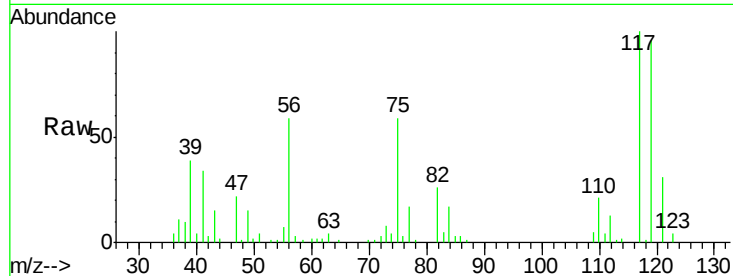
119 95.8 77.3 115.9

121 31.2 25.0 37.4

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#34

Benzene

Concen: 19.931 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

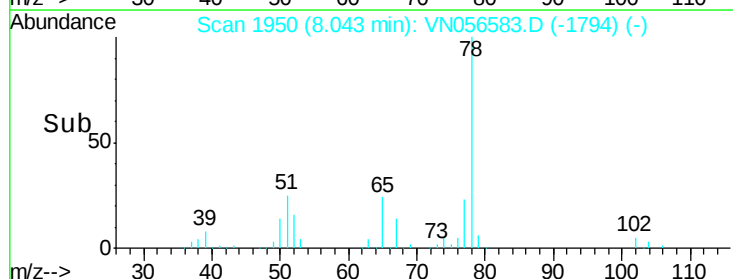
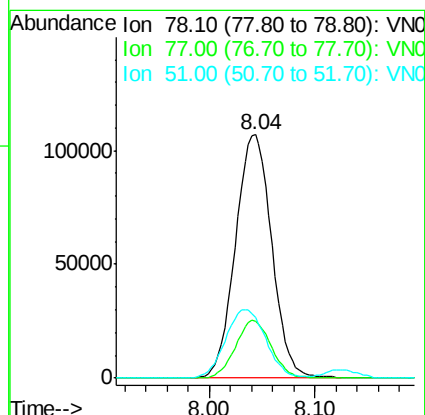
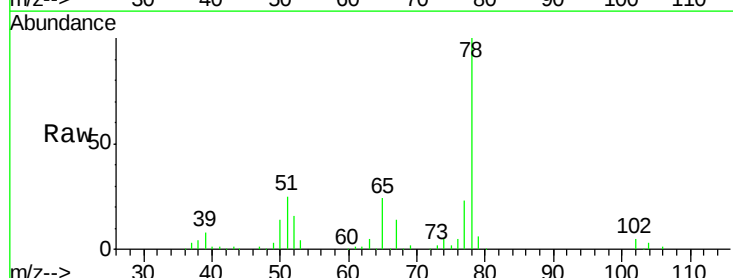
Tgt Ion: 78 Resp: 255880

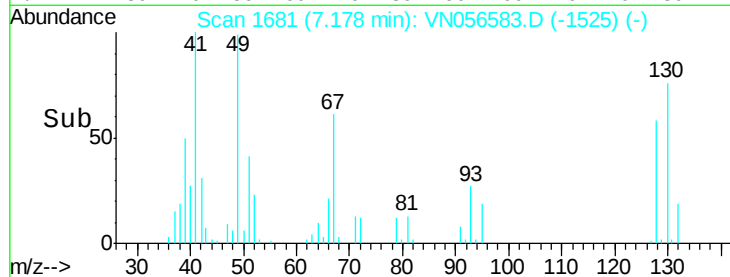
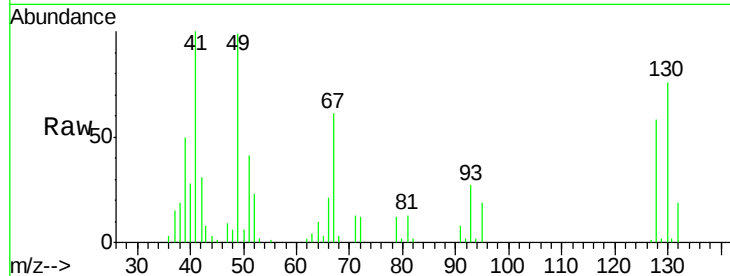
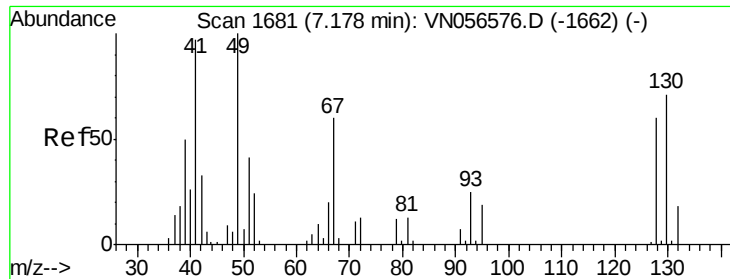
Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

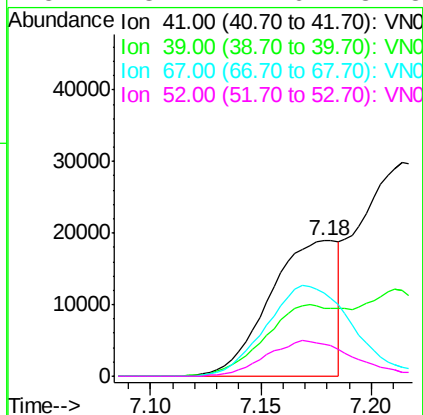
51 24.7 19.8 29.8





#35
Methacrylonitrile
Concen: 20.055 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

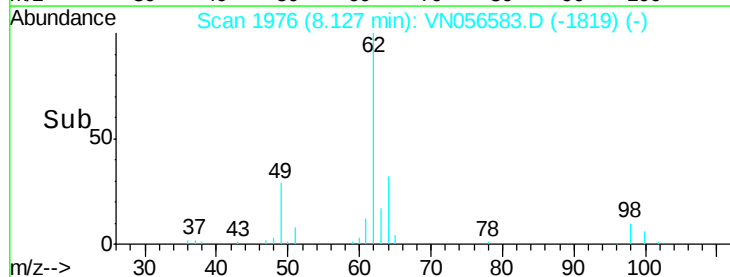
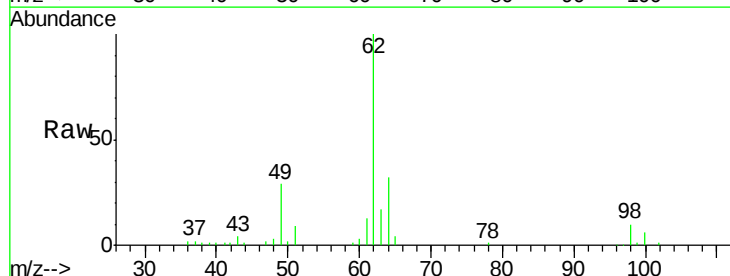
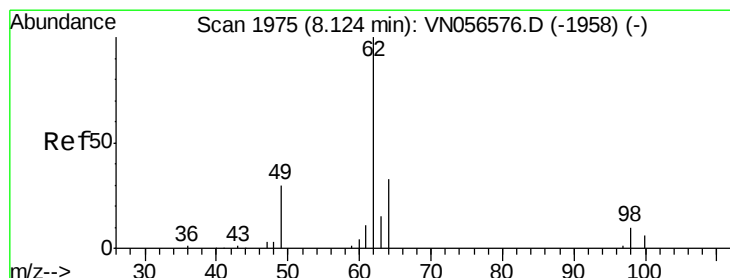
Tot Ion	41.00	Resp	40538
Ion	Ratio	Lower	Upper
41	100		
39	49.6	24.8	74.3
67	61.3	34.3	102.9
52	23.2	12.6	37.8



Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

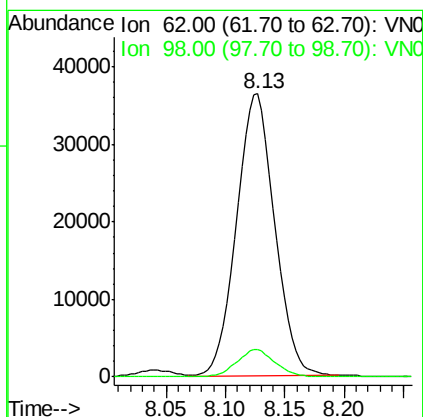
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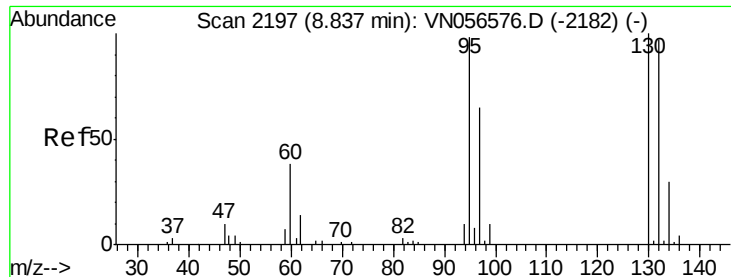
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#36
1,2-Dichloroethane
Concen: 19.393 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	62.00	Resp	80925
Ion	Ratio	Lower	Upper
62	100		
98	9.6	8.6	13.0





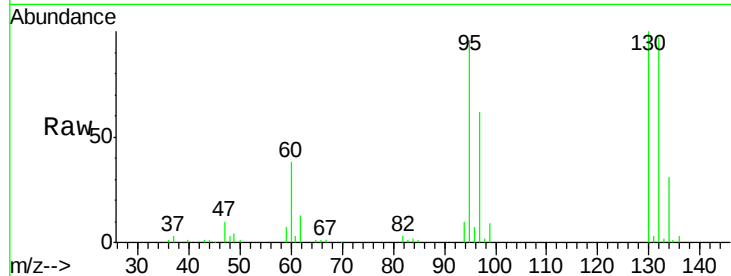
#37
 Trichloroethene
 Concen: 19.383 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBS01

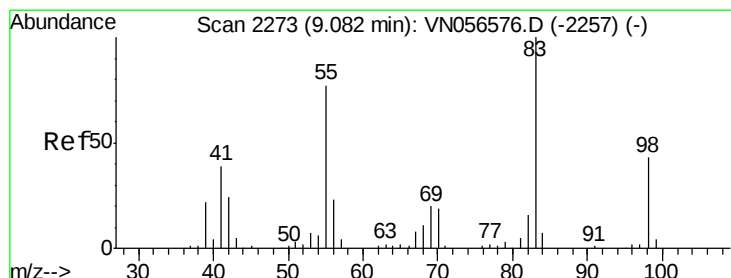
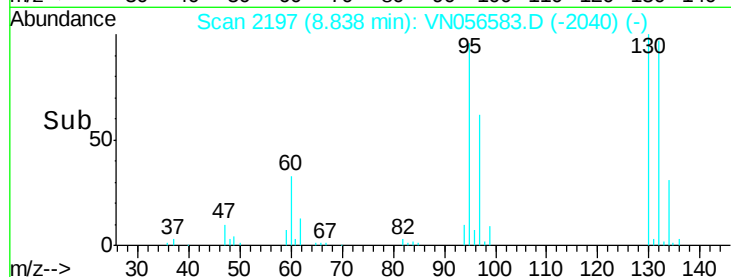
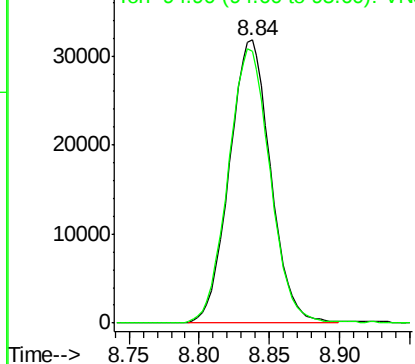
Tot Ion:130 Resp: 64901
 Ion Ratio Lower Upper
 130 100
 95 95.6 73.0 109.6

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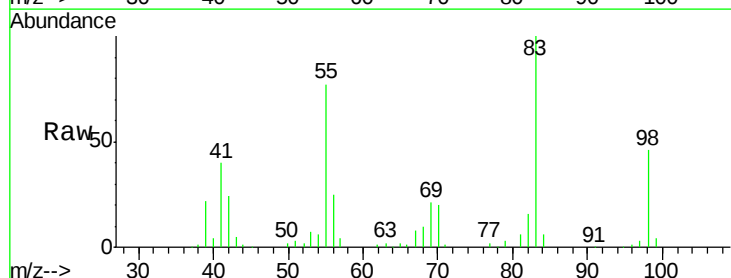


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

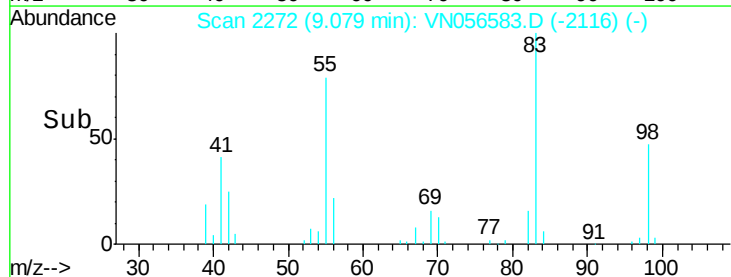
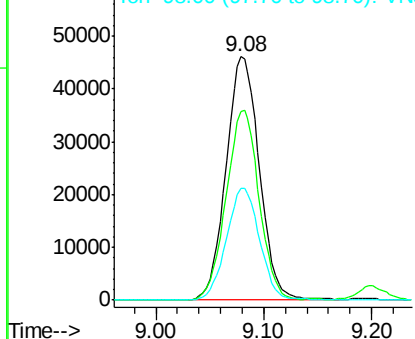


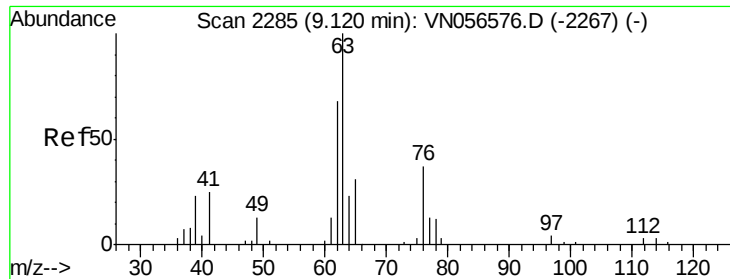
#38
 Methylcyclohexane
 Concen: 19.240 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion: 83 Resp: 98997
 Ion Ratio Lower Upper
 83 100
 55 77.1 37.5 112.7
 98 45.8 23.1 69.3



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





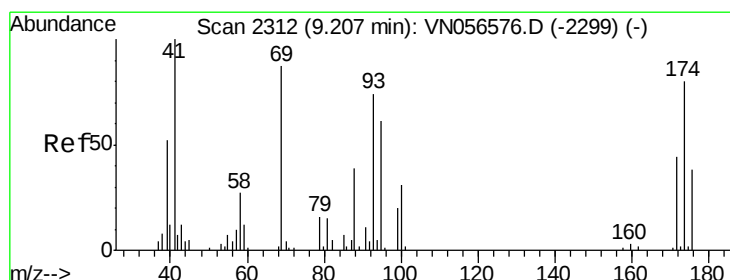
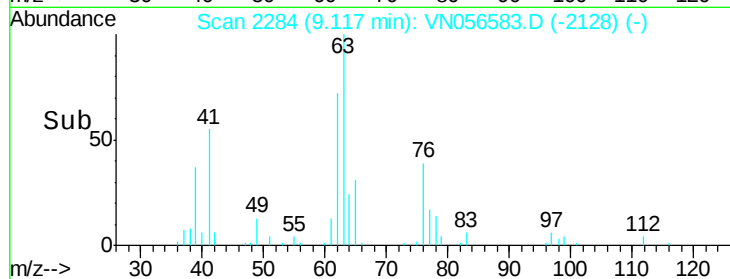
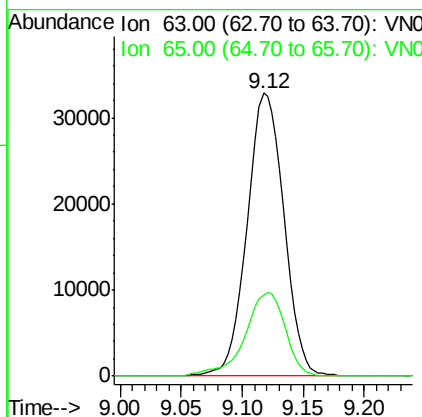
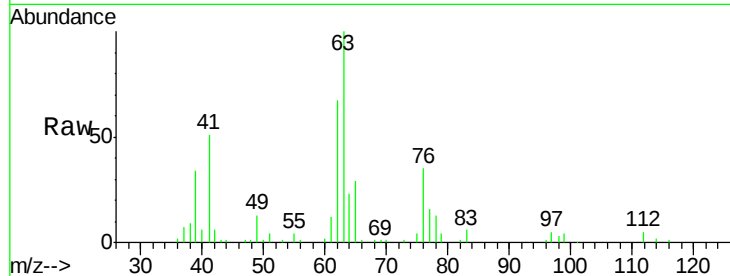
#39
 1,2-Dichloropropane
 Concen: 19.833 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBS01

Tot Ion: 63 Resp: 68543
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.1 34.7

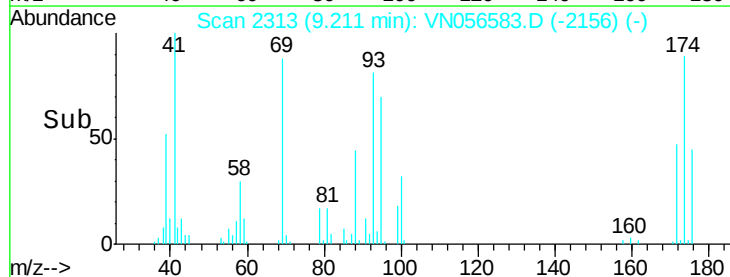
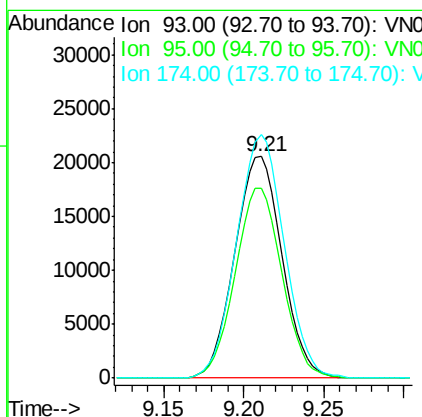
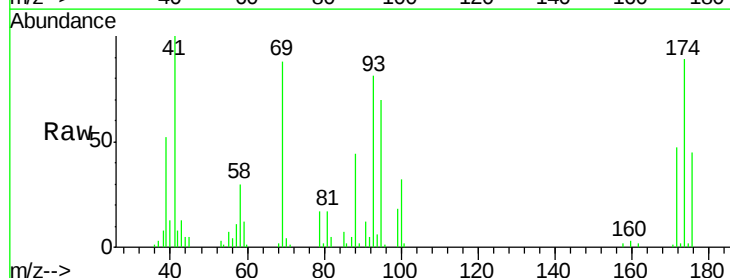
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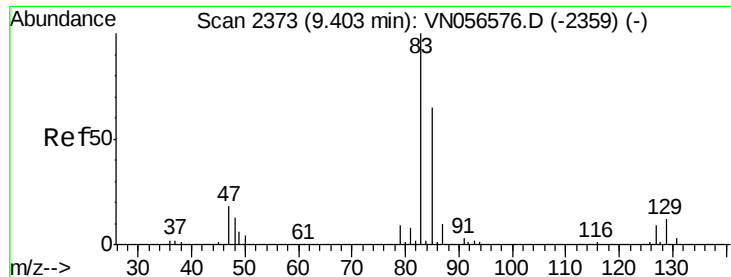
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#40
 Dibromomethane
 Concen: 19.476 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion: 93 Resp: 41607
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 169.0
 174 110.5 0.0 246.4





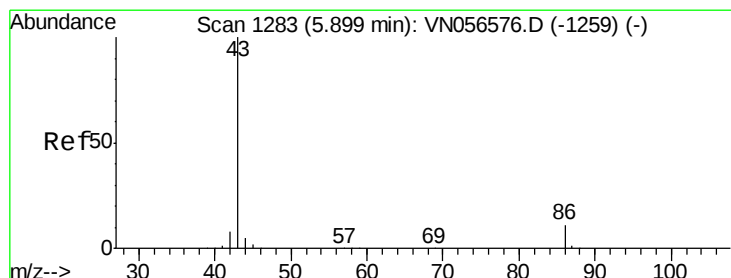
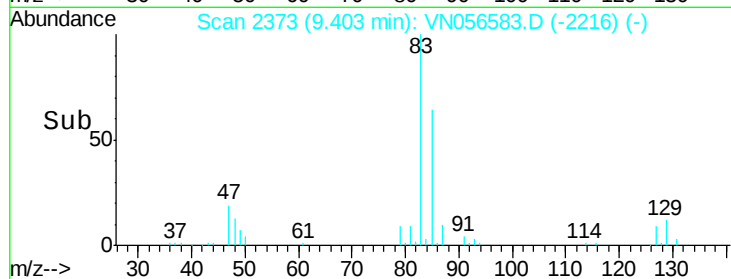
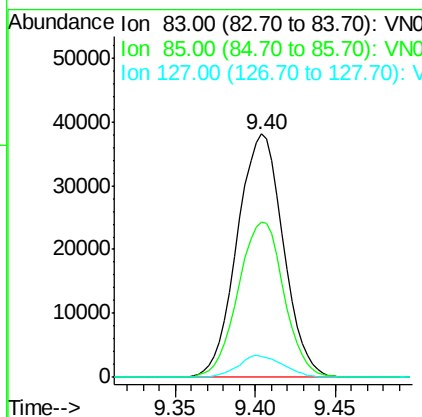
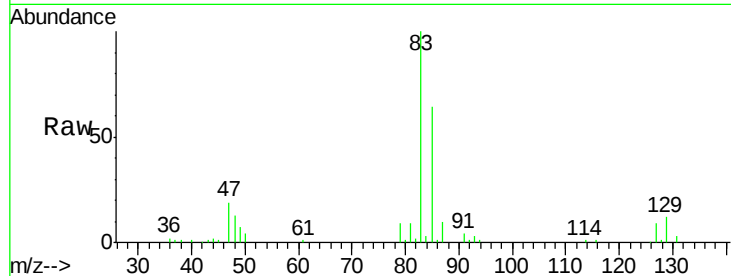
#41
Bromodichloromethane
Concen: 18.988 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	83	Resp	75181
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	8.8	7.3	10.9

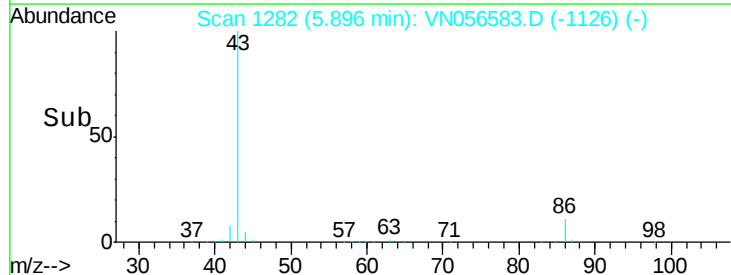
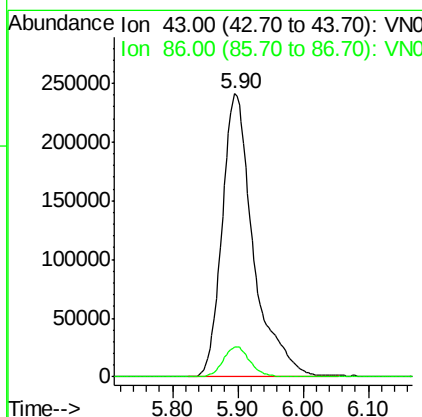
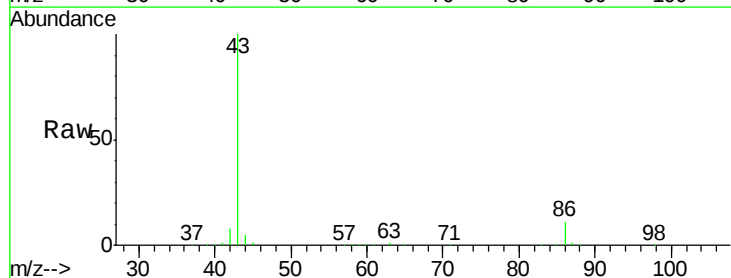
Manual Integrations
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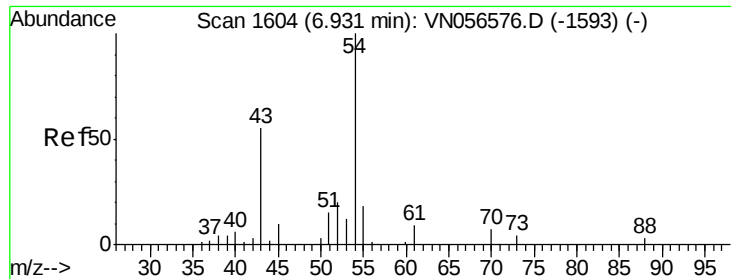
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#42
Vinyl Acetate
Concen: 99.083 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	43	Resp	803007
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.9	11.9





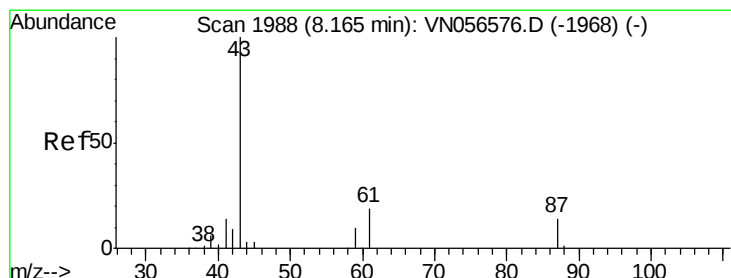
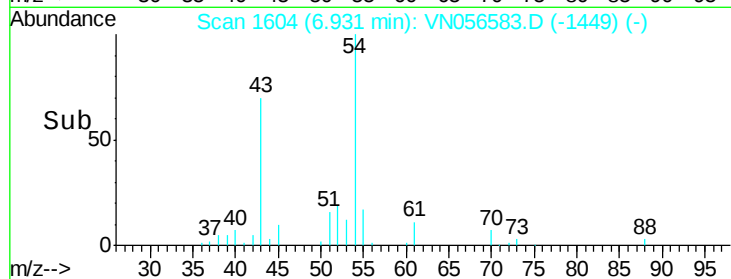
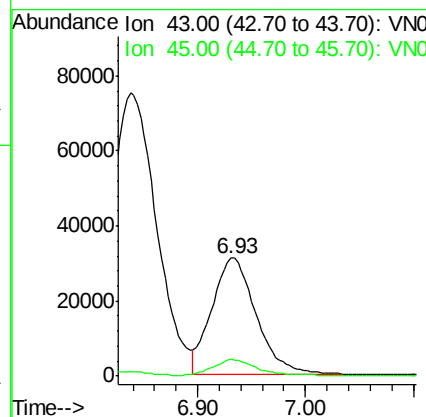
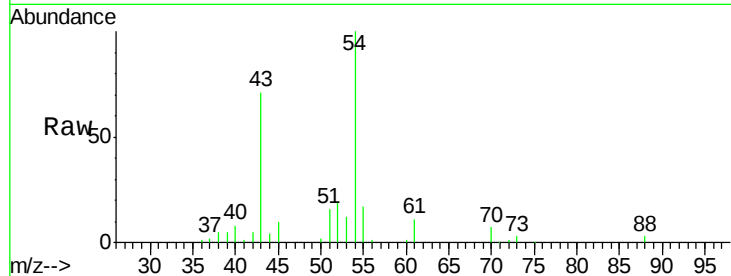
#43
Ethyl Acetate
Concen: 20.164 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0703WBS01

Tot Ion	43	45	Ratio	100	12.6	Resp	88780	Lower	Upper
43	100								
45		12.6						12.3	18.5

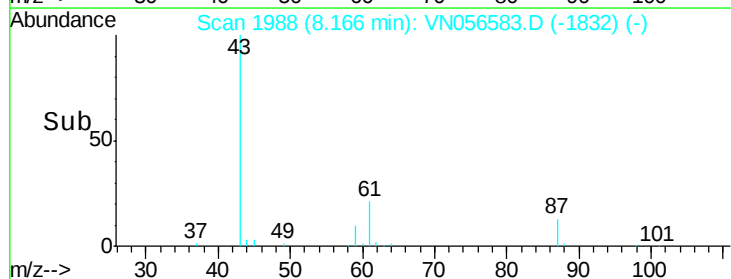
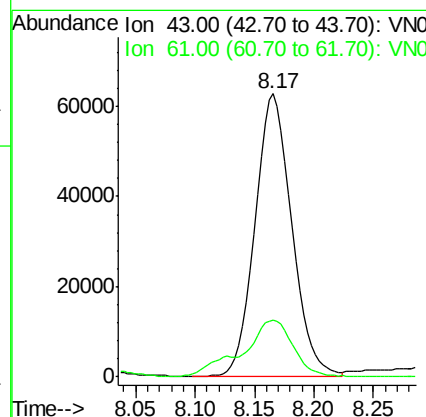
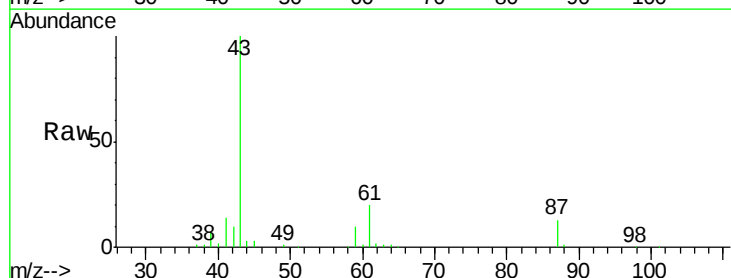
Manual Integrations
APPROVED

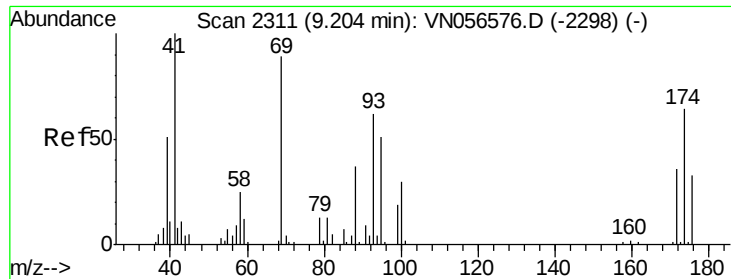
MMDadoda
7/8/2019 10:05:09 AM



#44
Isopropyl Acetate
Concen: 19.643 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	43	61	Ratio	100	21.0	Resp	134934	Lower	Upper
43	100								
61		21.0						16.9	25.3





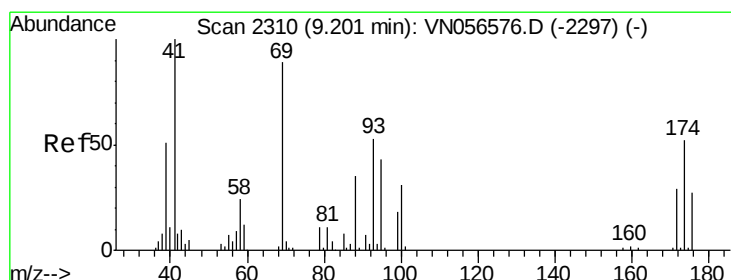
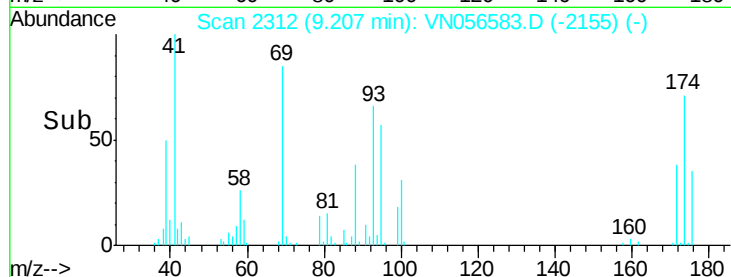
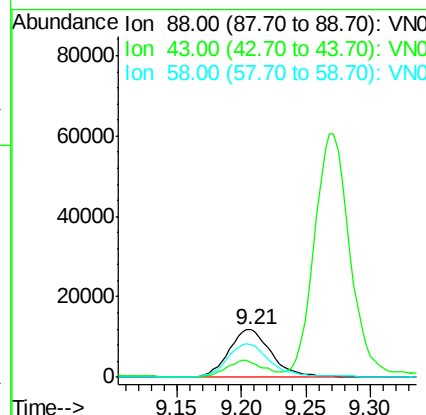
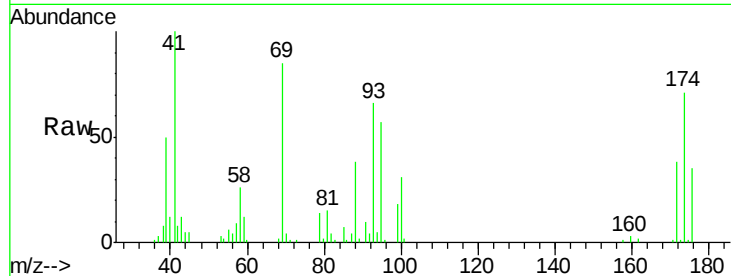
#45
 1,4-Dioxane
 Concen: 406.815 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBS01

Tot Ion	88	Resp	27344
Ion Ratio	Lower	Upper	
88	100		
43	29.6	19.8	29.6
58	71.3	48.5	72.7

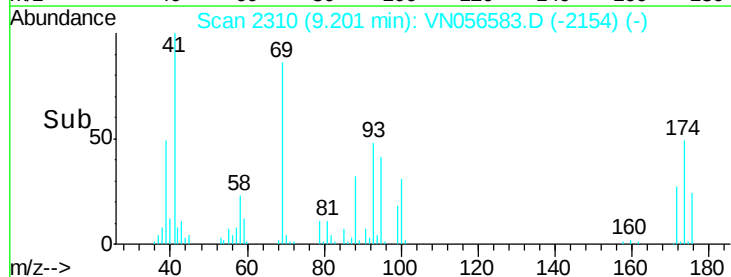
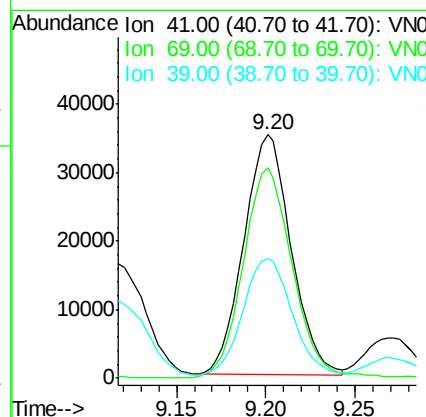
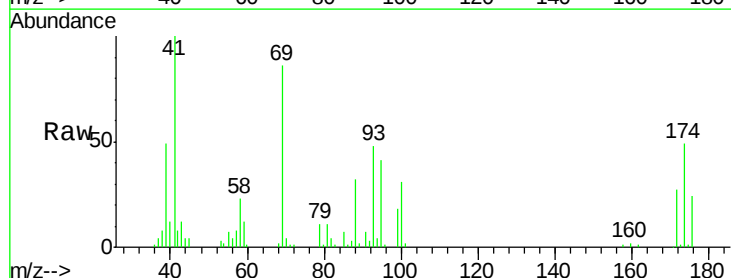
Manual Integrations
 APPROVED

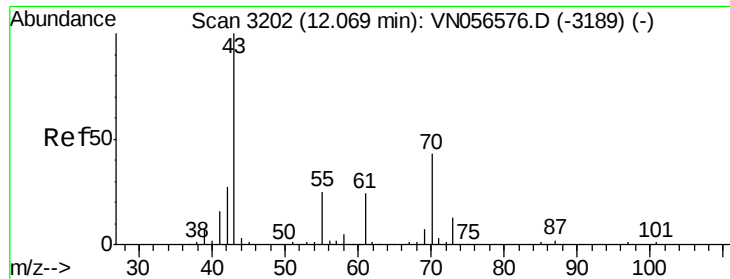
MMDadoda
 7/8/2019 10:05:09 AM



#46
 Methyl methacrylate
 Concen: 19.322 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	41	Resp	65218
Ion Ratio	Lower	Upper	
41	100		
69	87.1	46.0	137.8
39	48.8	24.6	73.8





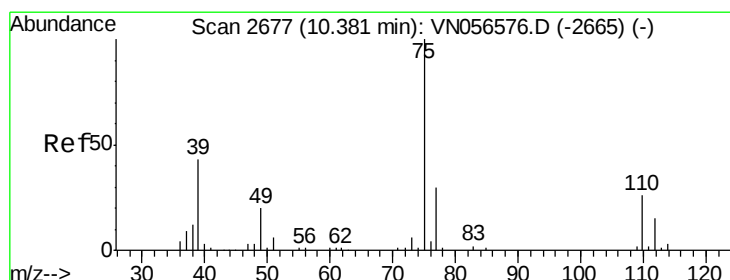
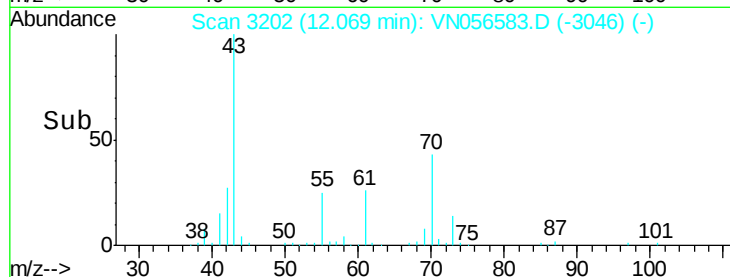
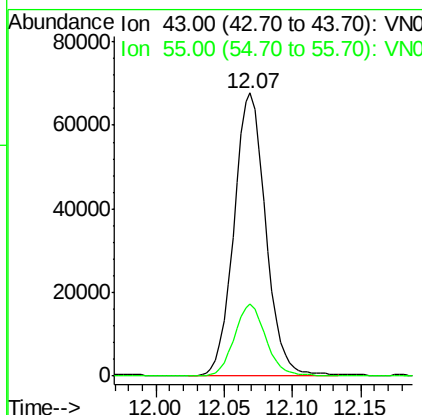
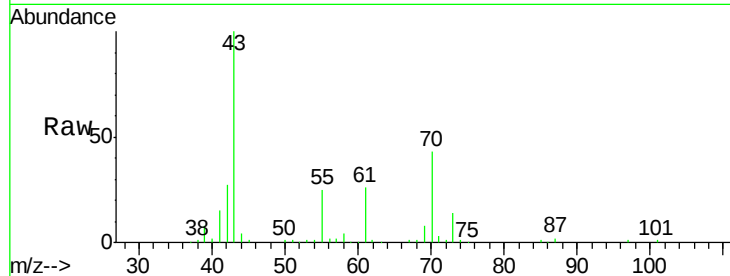
#47
n-amyl Acetate
Concen: 19.240 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0703WBS01

Tot Ion: 43 Resp: 109855
Ion Ratio Lower Upper
43 100
55 25.3 19.0 28.6

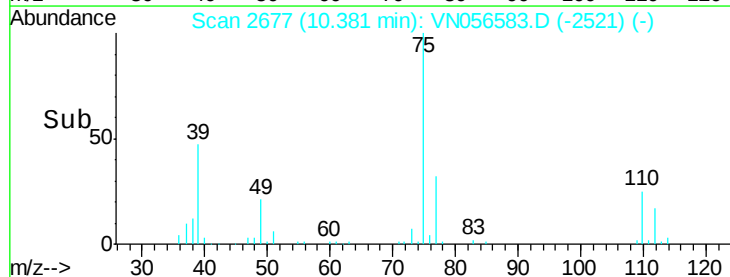
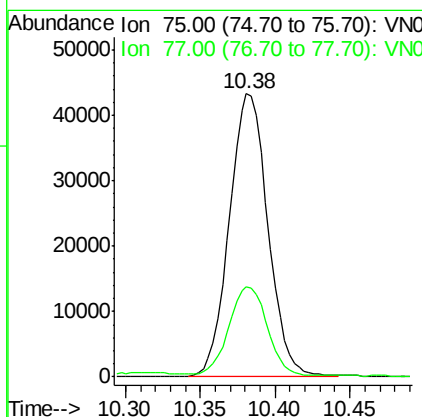
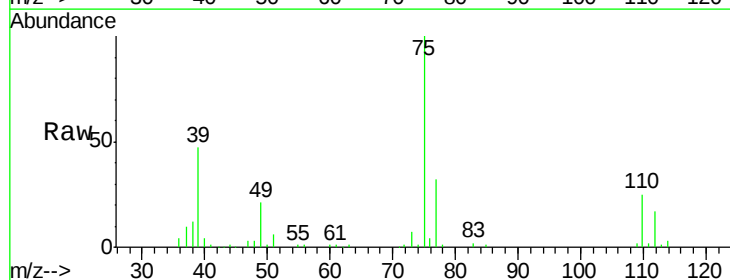
Manual Integrations
APPROVED

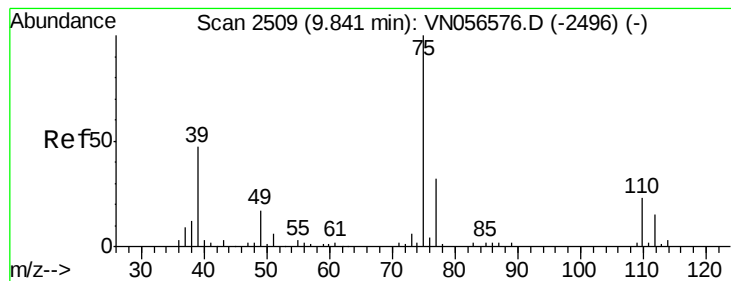
MMDadoda
7/8/2019 10:05:09 AM



#48
t-1,3-Dichloropropene
Concen: 18.355 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion: 75 Resp: 77890
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0





#49

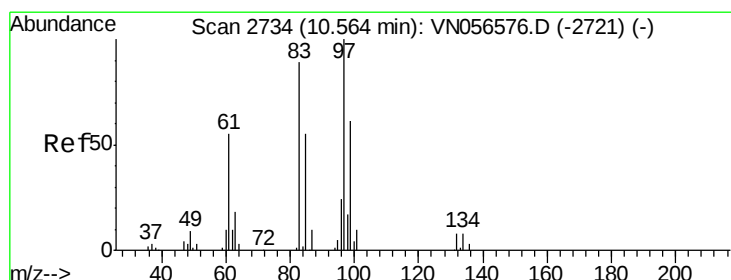
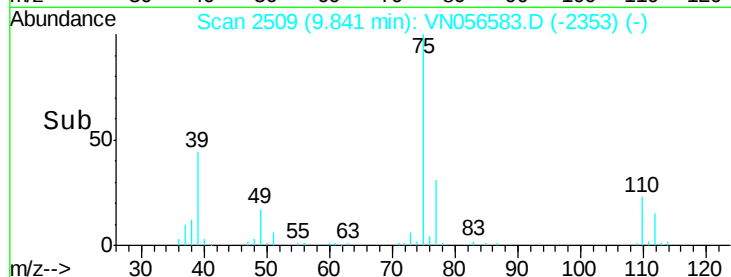
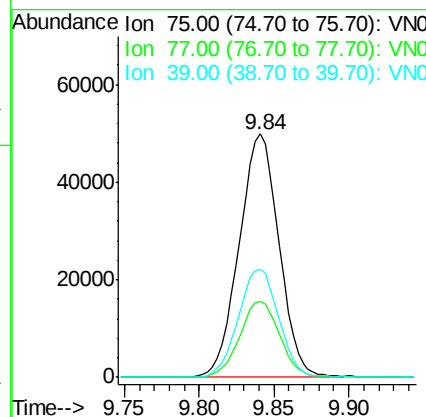
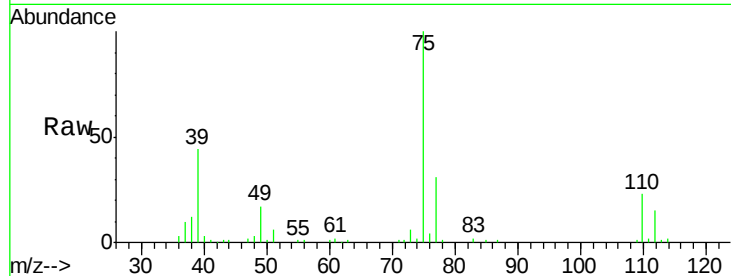
cis-1,3-Dichloropropene
Concen: 18.913 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	44.3	34.3	51.5

Manual Integrations
APPROVED

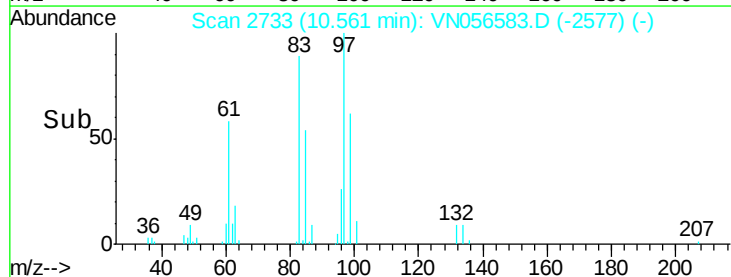
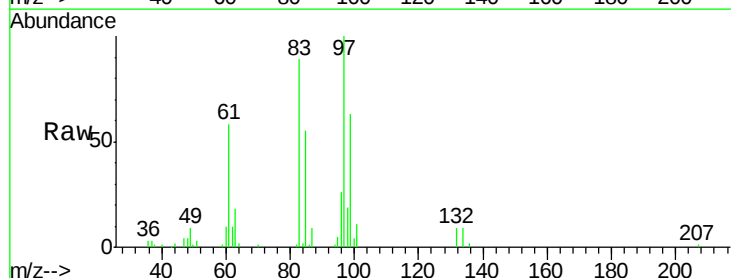
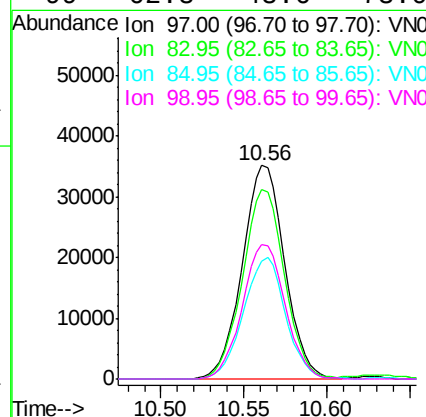
MMDadoda
7/8/2019 10:05:09 AM

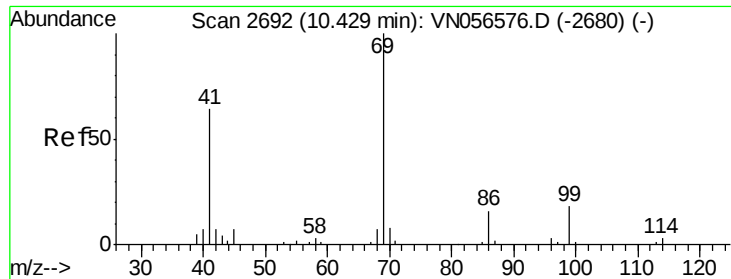


#50

1,1,2-Trichloroethane
Concen: 19.889 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.9	100.3
85	54.9	43.3	64.9
99	62.8	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.303 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

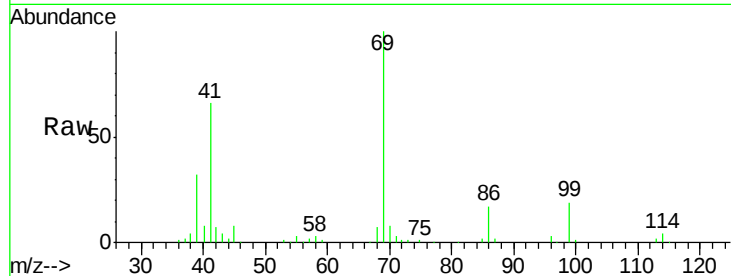
ClientSampled :

VN0703WBS01

Tot Ion:	69	Resp:	95681
Ion Ratio	Lower	Upper	
69	100		
41	65.5	30.8	92.3
39	31.6	14.5	43.6

Manual Integrations
APPROVED

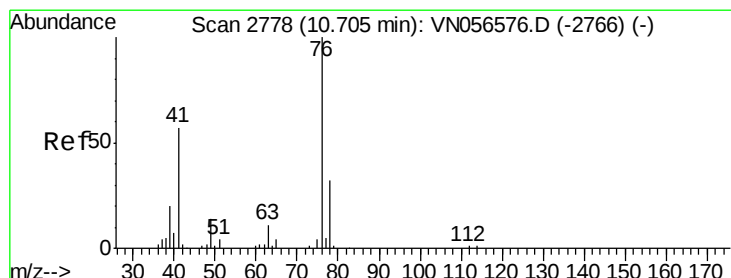
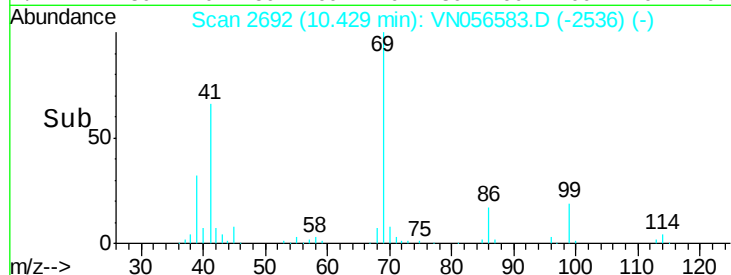
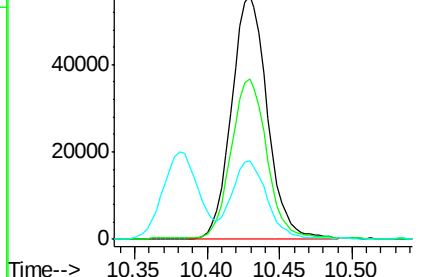
MMDadoda
7/8/2019 10:05:09 AM



Abundance Ion 69.00 (68.70 to 69.70): VN056583.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN056583.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN056583.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 19.881 ug/l

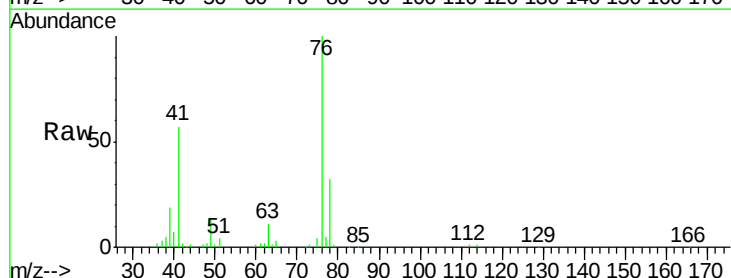
RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056583.D

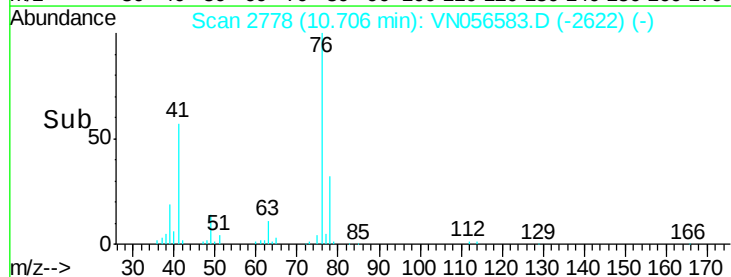
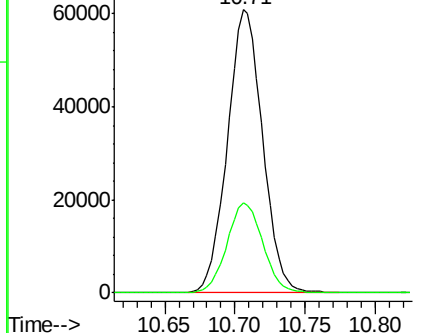
Acq: 3 Jul 2019 12:38

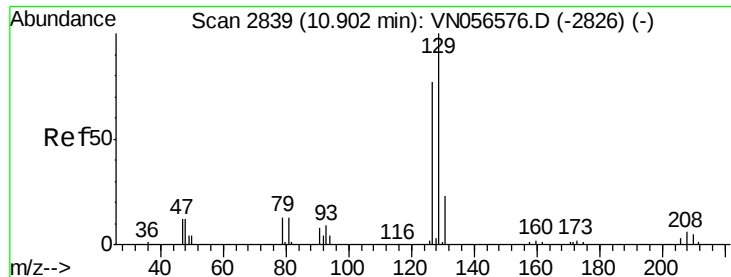
Tgt Ion:	76	Resp:	106322
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VN056583.D (-2622) (-)

Ion 78.00 (77.70 to 78.70): VN056583.D (-2622) (-)





#53

Dibromochloromethane

Concen: 18.564 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0703WBS01

Tot Ion:129 Resp: 57264

Ion Ratio Lower Upper

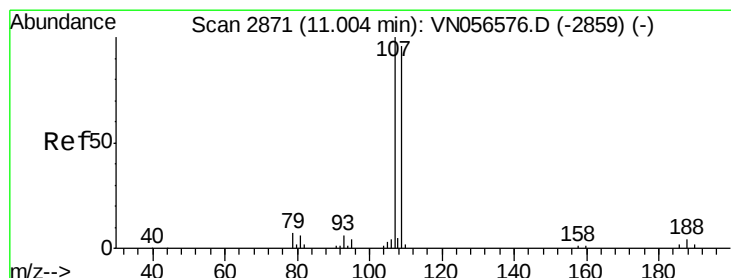
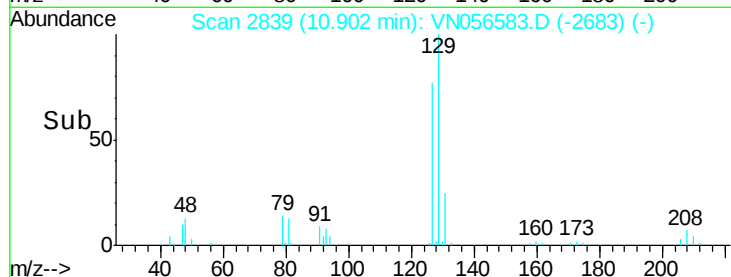
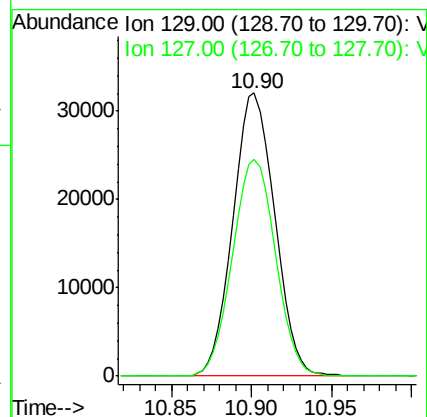
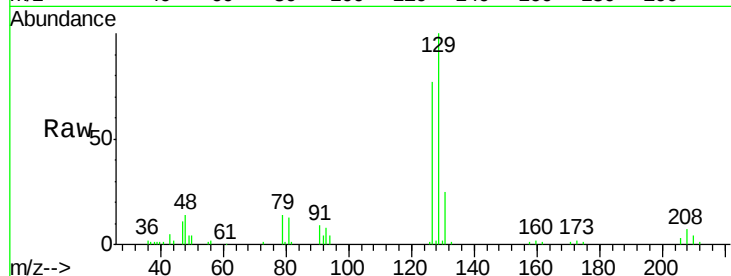
129 100

127 78.7 39.1 117.5

Manual Integrations
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7/8/2019 10:05:09 AM



#54

1,2-Dibromoethane

Concen: 19.400 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056583.D

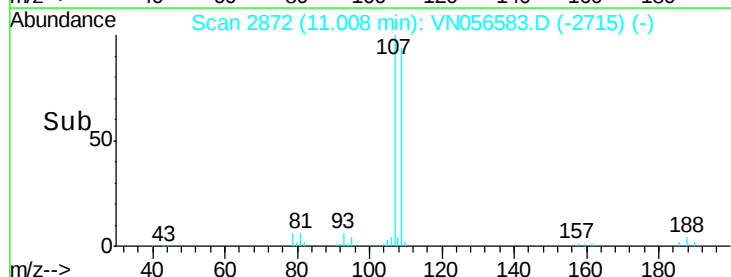
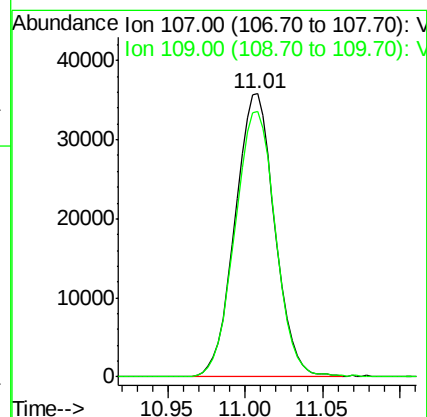
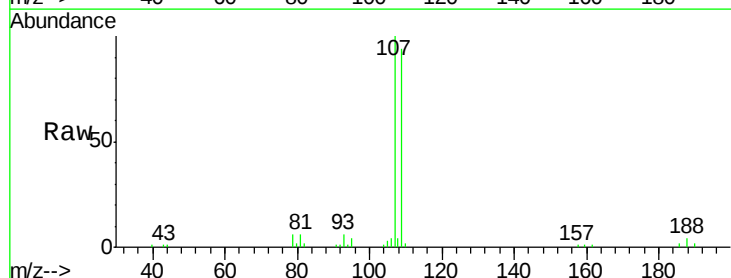
Acq: 3 Jul 2019 12:38

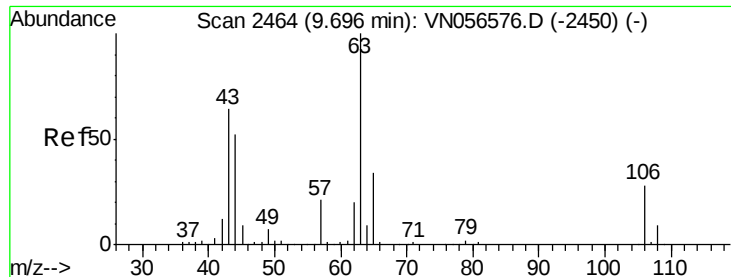
Tgt Ion:107 Resp: 63617

Ion Ratio Lower Upper

107 100

109 96.1 76.8 115.2





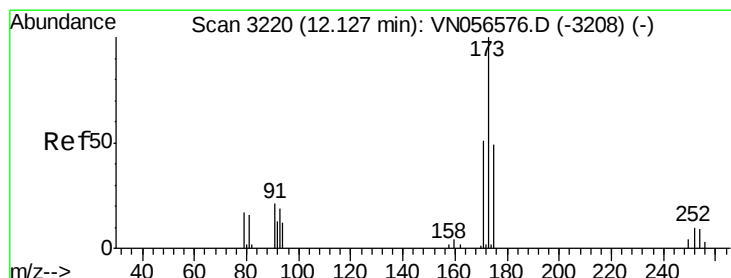
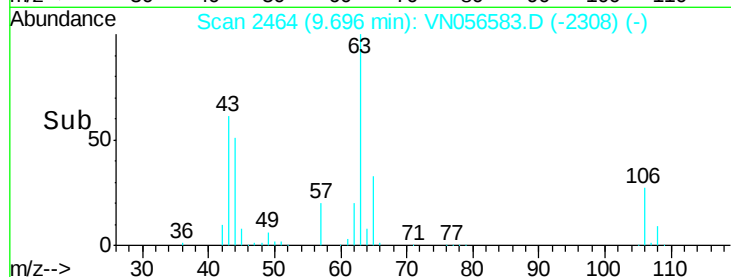
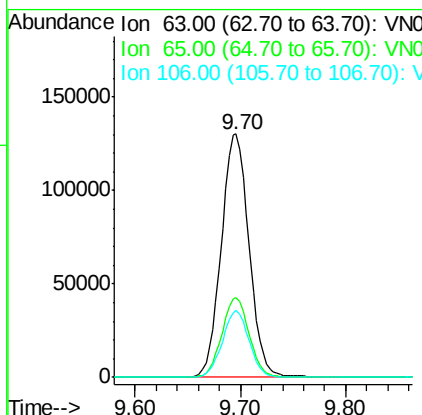
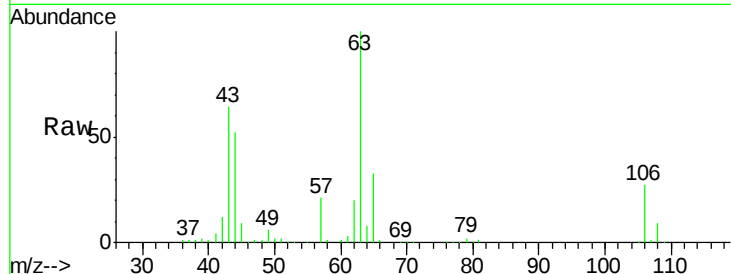
#55
2-Chloroethyl vinyl ether
Concen: 94.090 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.5	38.3
106	26.4	23.0	34.4

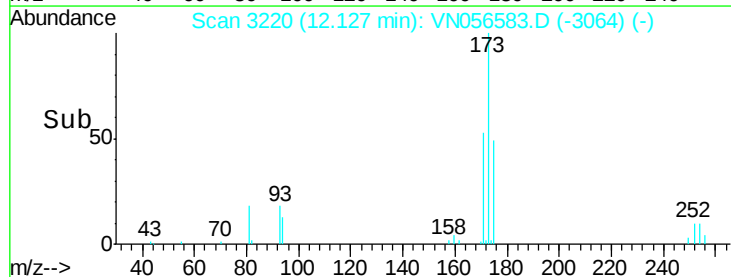
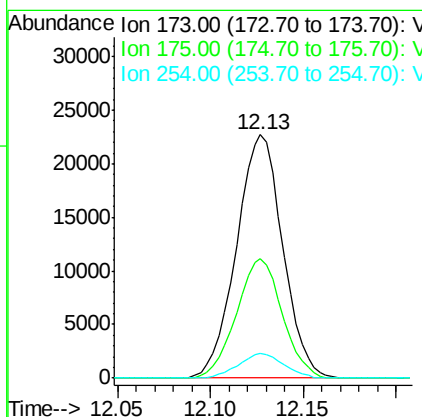
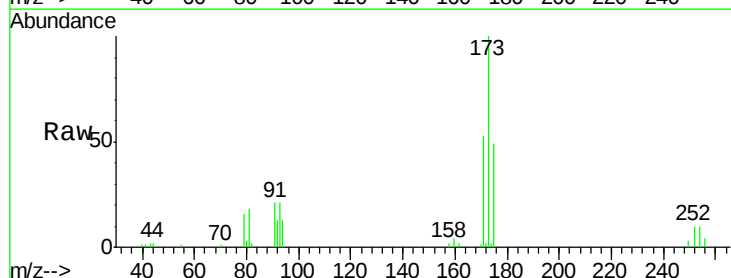
Manual Integrations
APPROVED

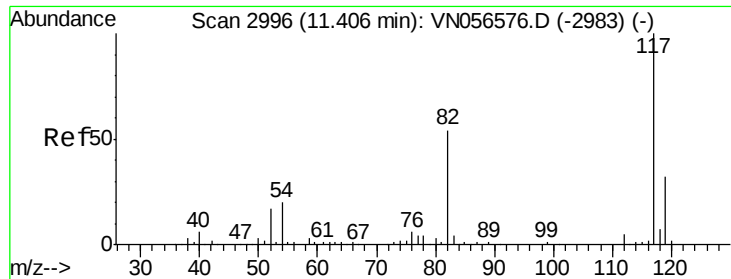
MMDadoda
7/8/2019 10:05:09 AM



#56
Bromoform
Concen: 17.528 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
254	9.9	6.6	9.8#





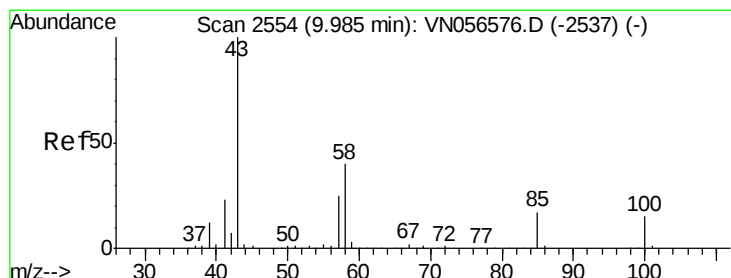
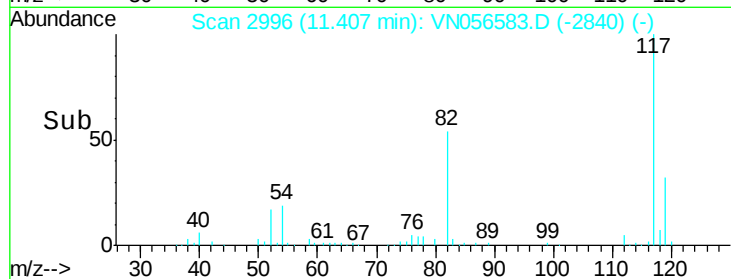
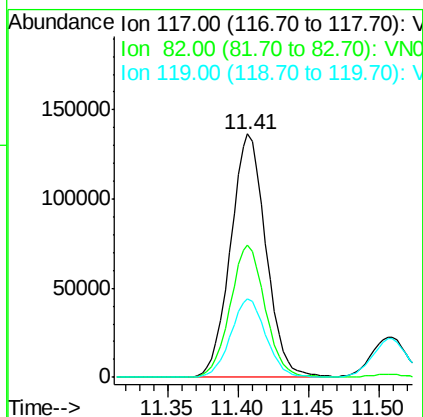
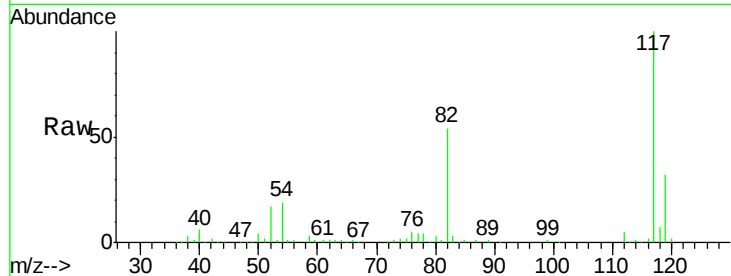
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	239506		
82	53.6	41.2	61.8	
119	32.0	26.2	39.2	

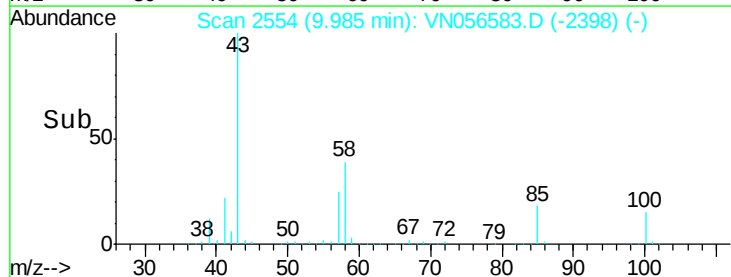
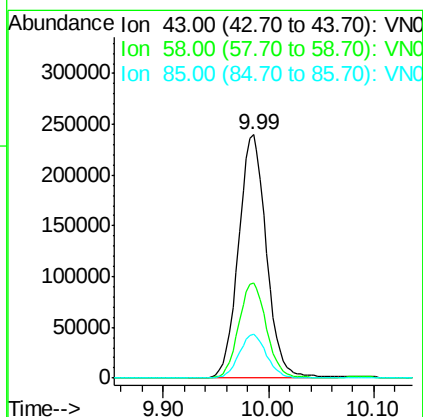
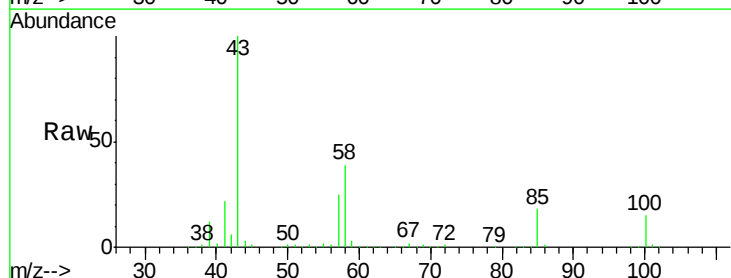
Manual Integrations
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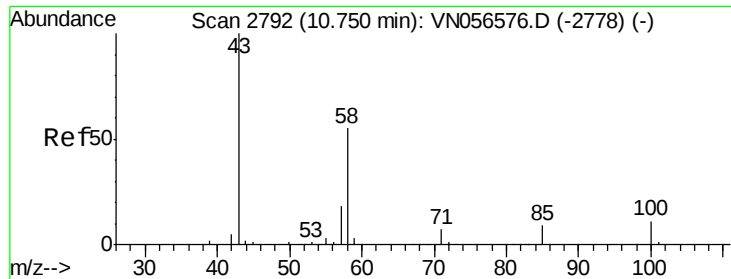
MMDadoda
7/8/2019 10:05:09 AM



#58
4-Methyl-2-Pentanone
Concen: 101.933 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	438949		
58	39.2	33.1	49.7	
85	17.9	15.5	23.3	





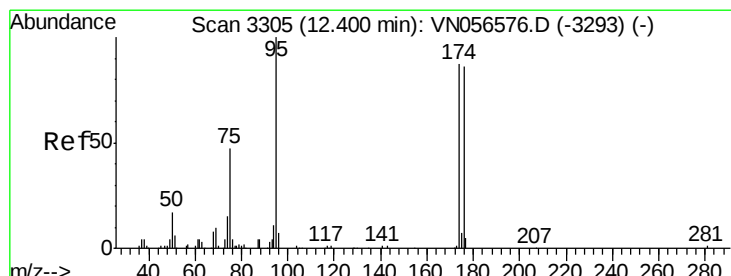
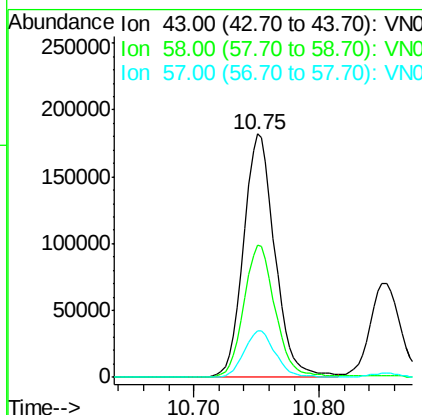
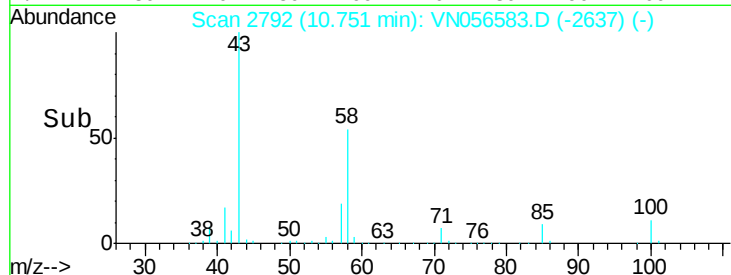
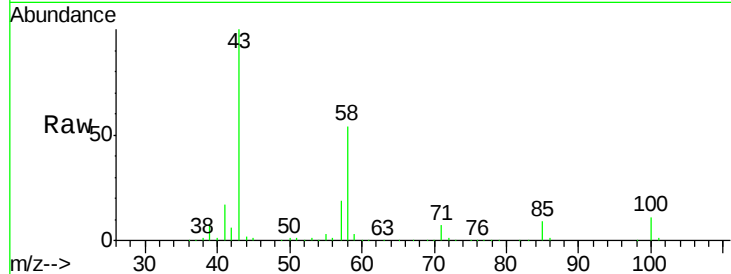
#59
2-Hexanone
Concen: 98.342 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	45.3	67.9
57	19.2	15.6	23.4

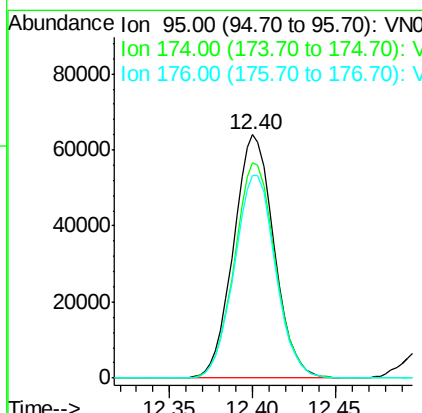
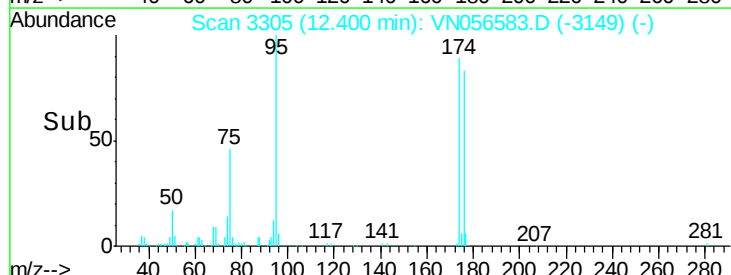
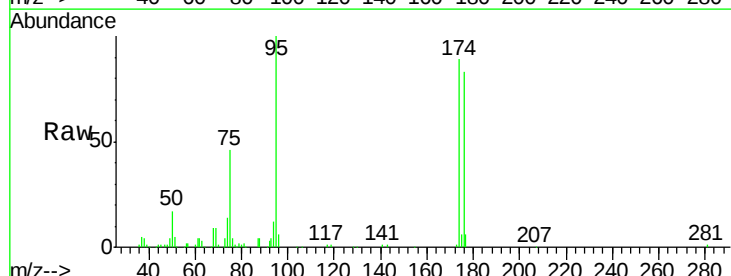
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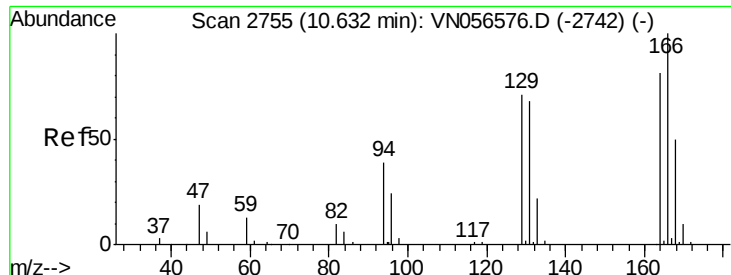
MMDadoda
7/8/2019 10:05:09 AM



#60
4-Bromofluorobenzene
Concen: 29.515 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	75.4	113.0
176	84.8	73.9	110.9





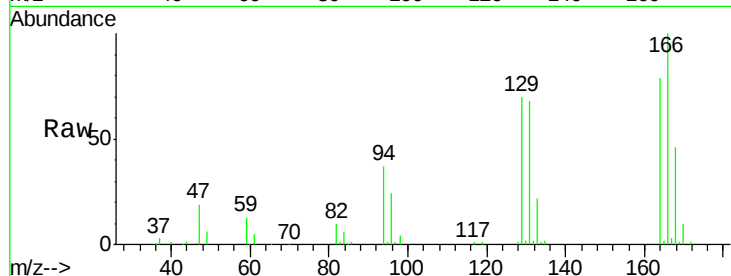
#61
Tetrachloroethene
Concen: 20.222 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	104.3	156.5
129	89.3	71.5	107.3
131	86.3	67.7	101.5

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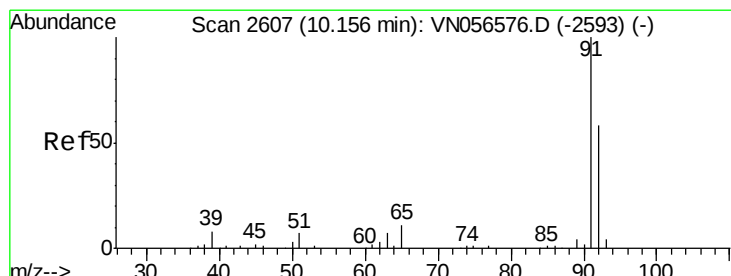
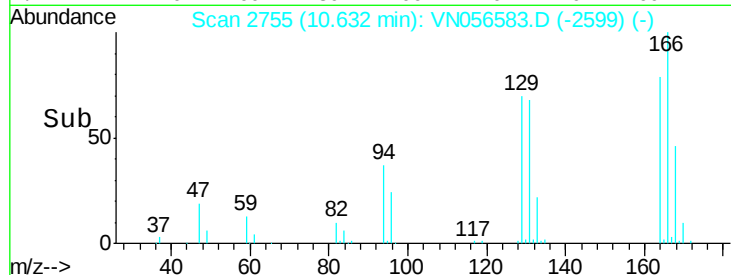
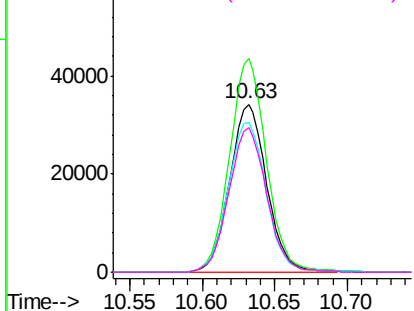


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

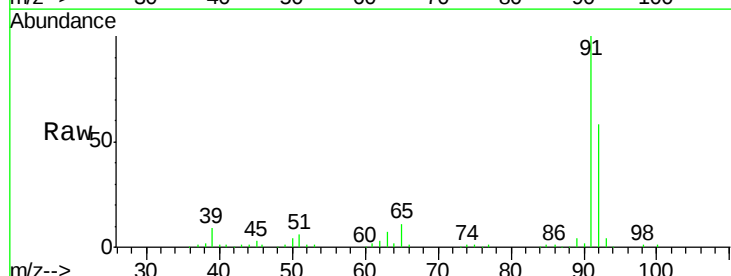
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



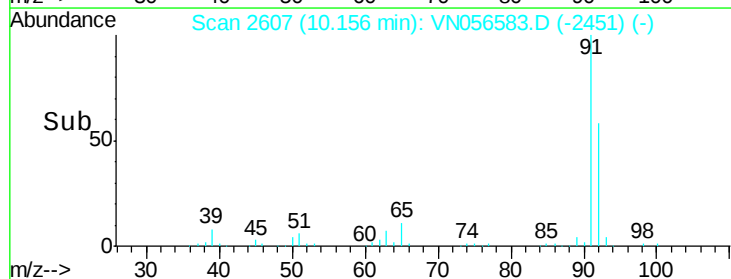
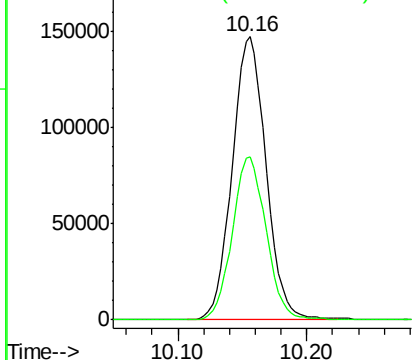
#62
Toluene
Concen: 20.044 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

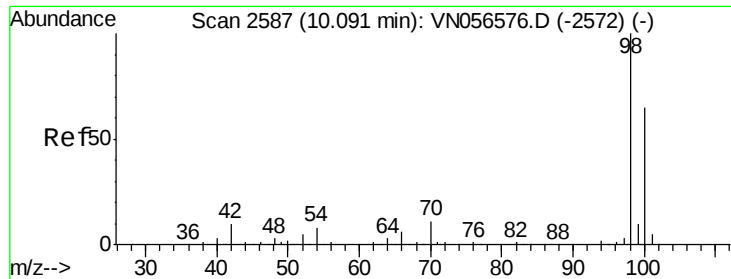
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	45.5	68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





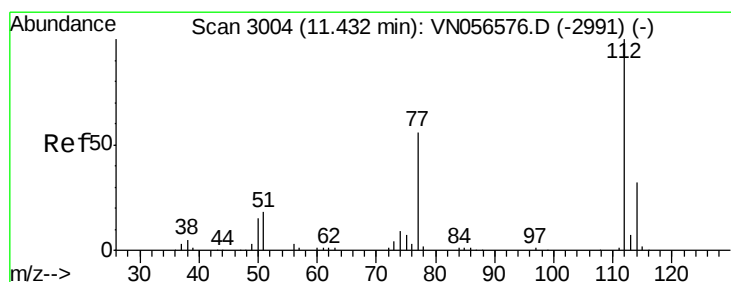
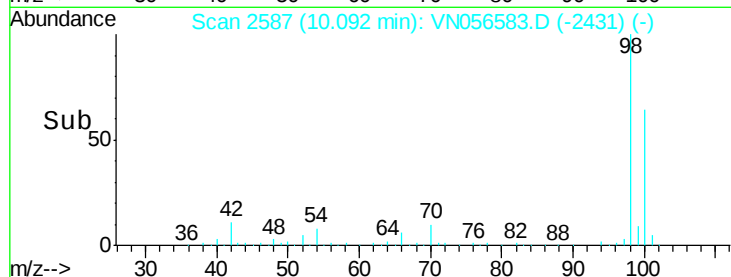
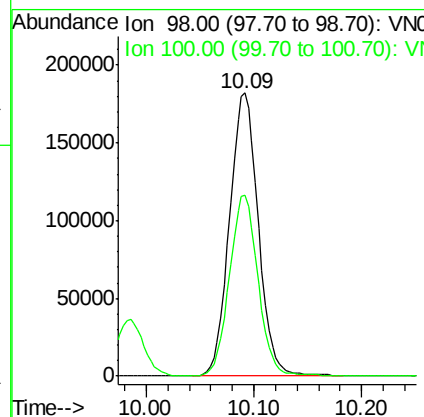
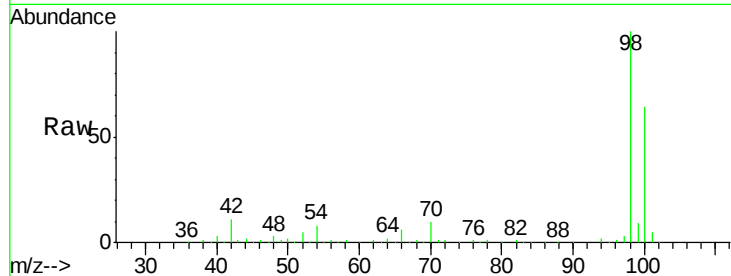
#63
Toluene-d8
Concen: 30.442 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion: 98 Resp: 338814
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.4

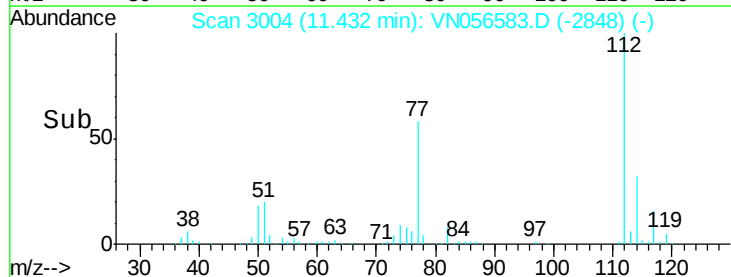
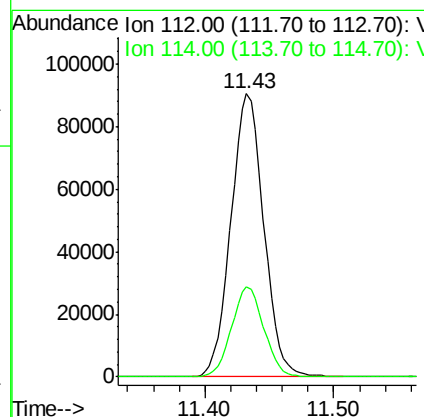
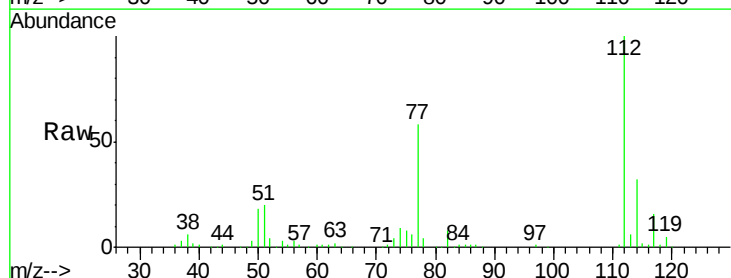
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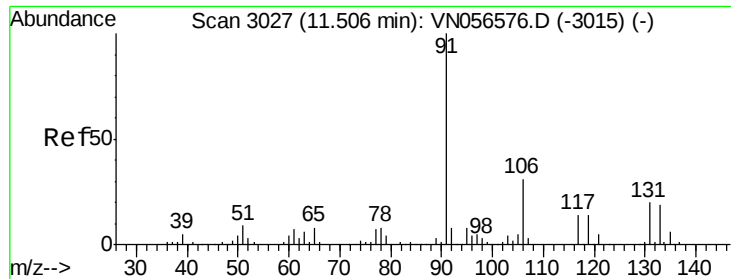
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#64
Chlorobenzene
Concen: 19.875 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion: 112 Resp: 160058
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1





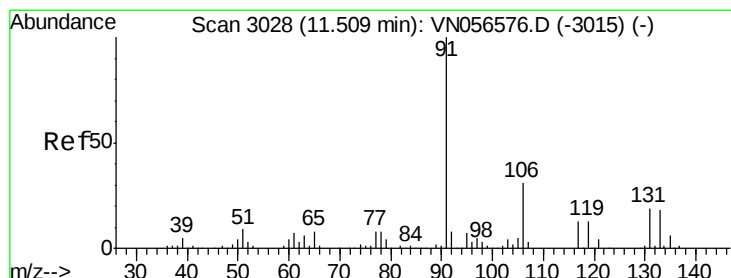
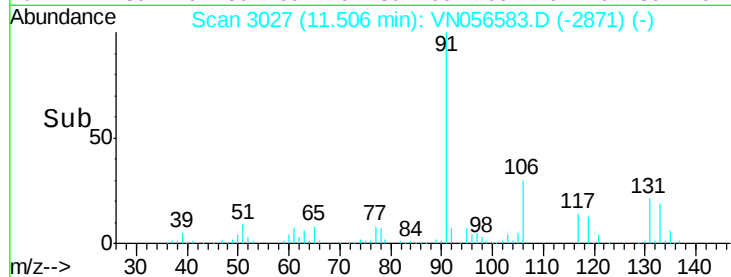
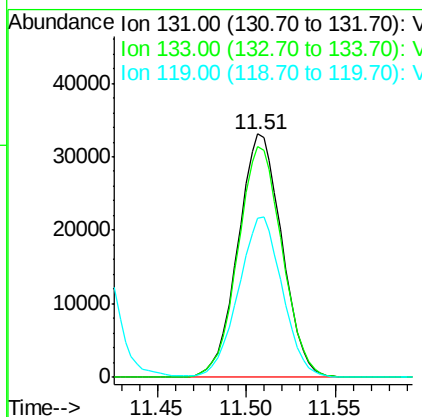
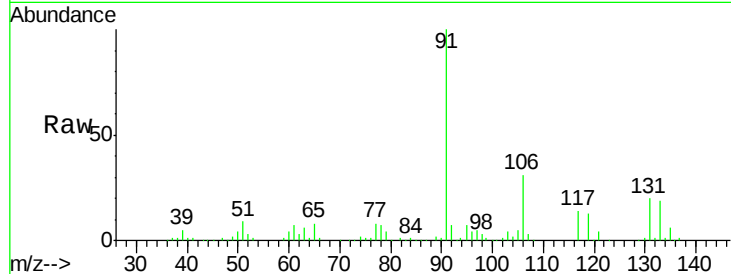
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.621 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBS01

Tot Ion:131 Resp: 56907
 Ion Ratio Lower Upper
 131 100
 133 95.5 0.0 193.8
 119 66.0 0.0 134.4

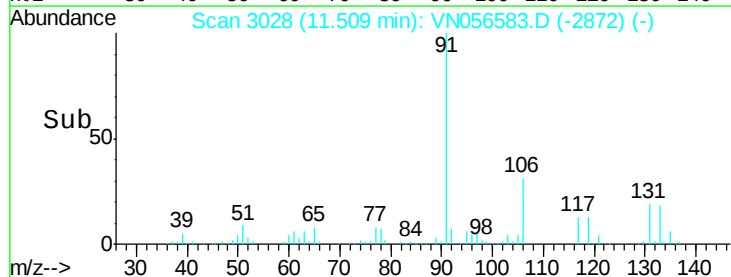
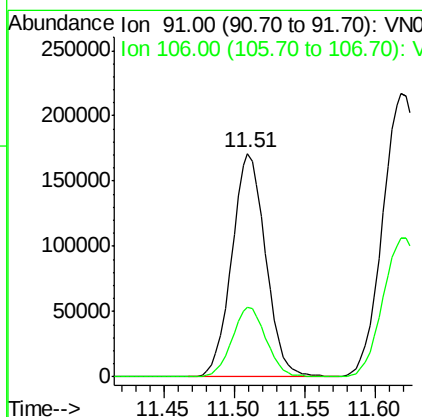
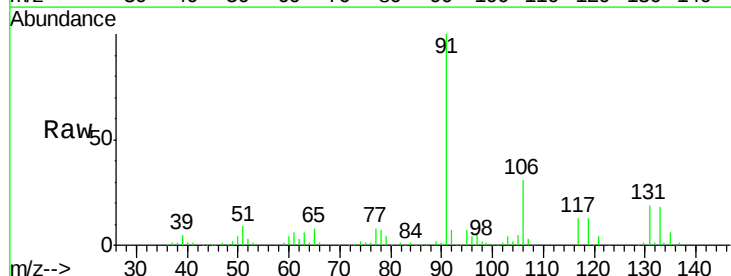
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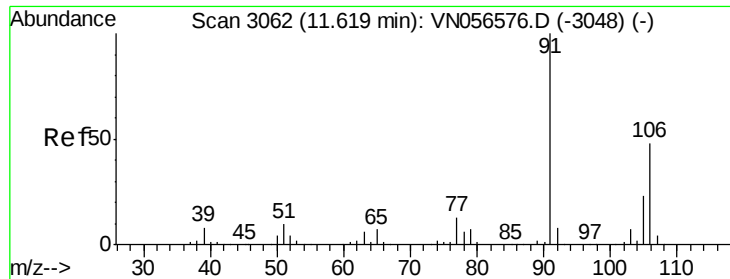
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#66
 Ethyl Benzene
 Concen: 19.848 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion: 91 Resp: 287667
 Ion Ratio Lower Upper
 91 100
 106 31.3 25.7 38.5





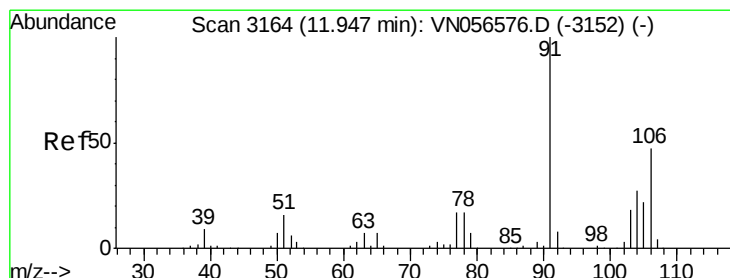
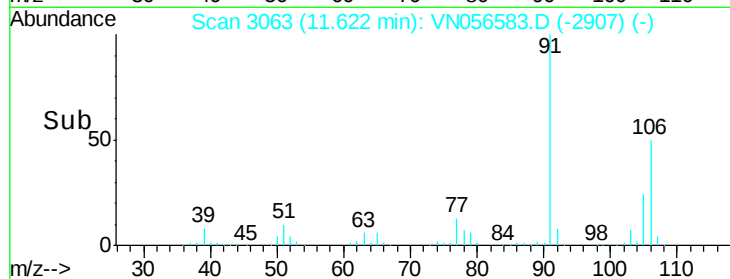
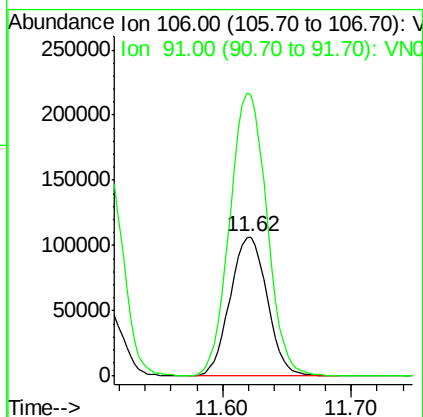
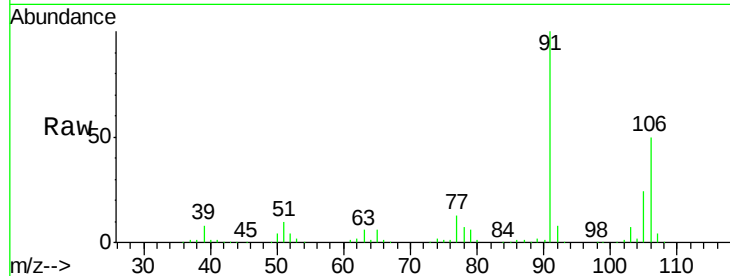
#67
m/p-Xvlenes
Concen: 39.959 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0703WBS01

Tot Ion:106 Resp: 213729
Ion Ratio Lower Upper
106 100
91 203.0 155.7 233.5

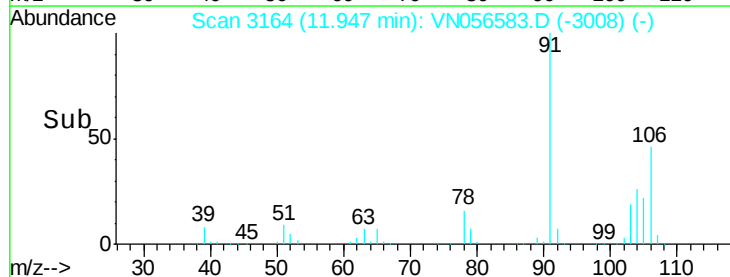
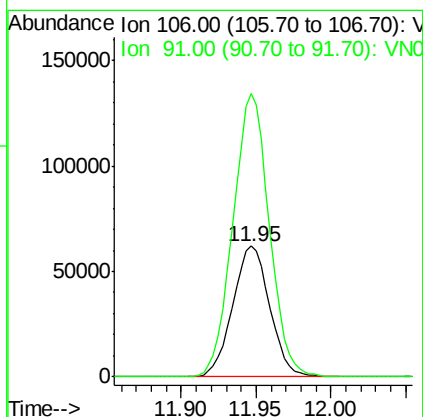
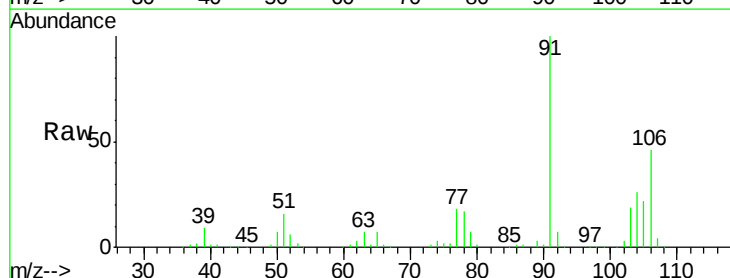
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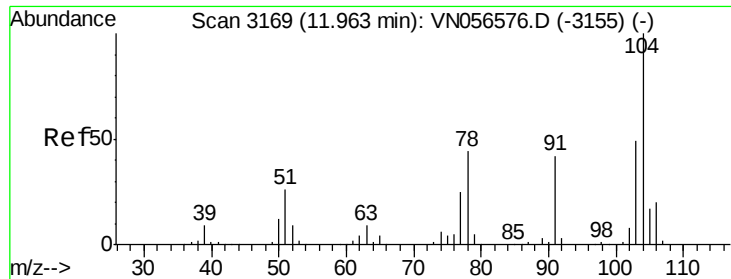
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#68
o-Xylene
Concen: 20.165 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion:106 Resp: 106663
Ion Ratio Lower Upper
106 100
91 212.5 103.9 311.7





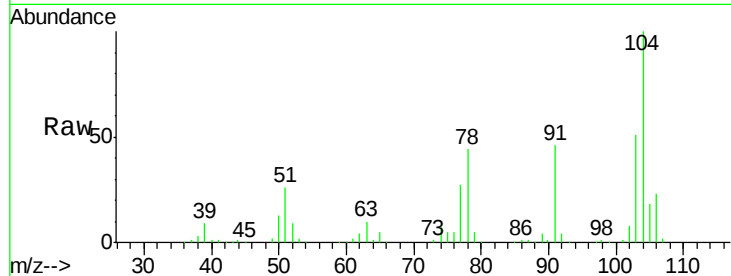
#69
Stvrene
Concen: 19.409 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampled :
VN0703WBS01

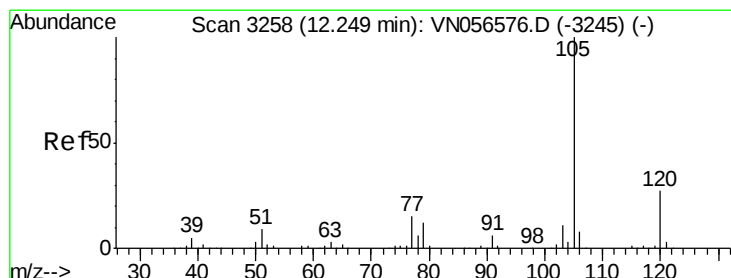
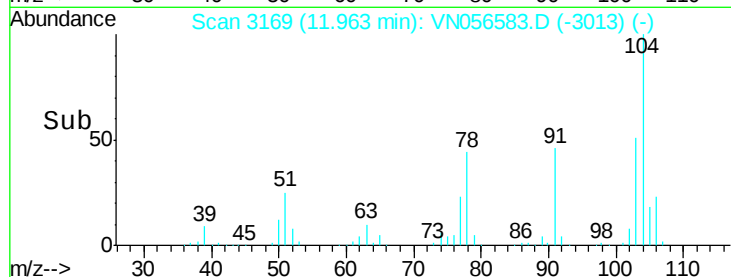
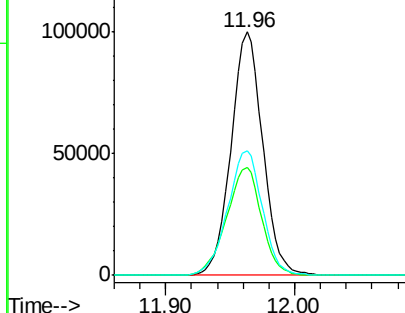
Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		170814		
78	48.9	37.0	55.6		
103	56.1	44.4	66.6		

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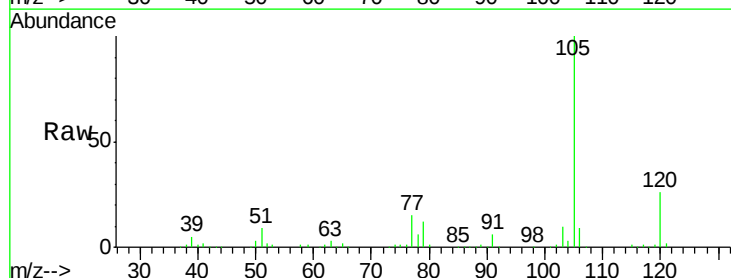


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

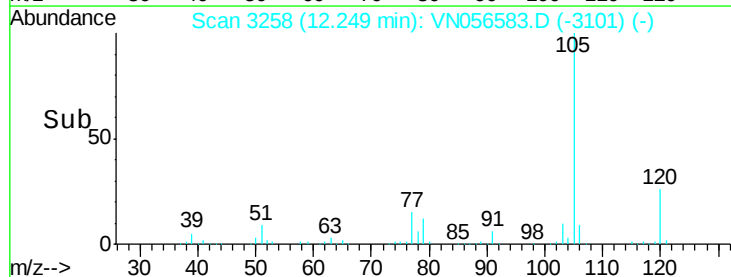
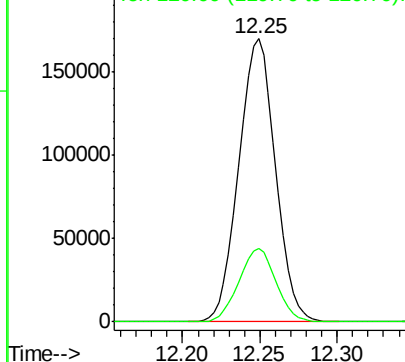


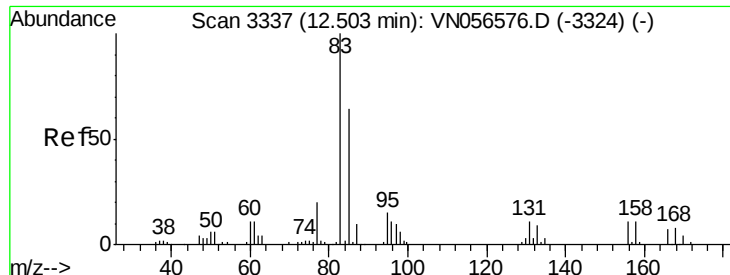
#70
Isopropylbenzene
Concen: 20.254 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		279526		
120	26.3	19.3	35.8		



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





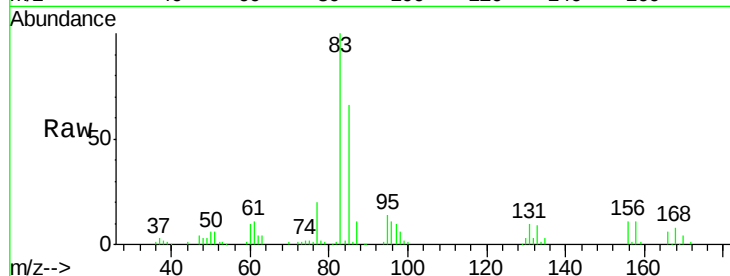
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.919 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBS01

Tot Ion	83	Resp	90885
Ion Ratio	100	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	64.7	31.6	94.7

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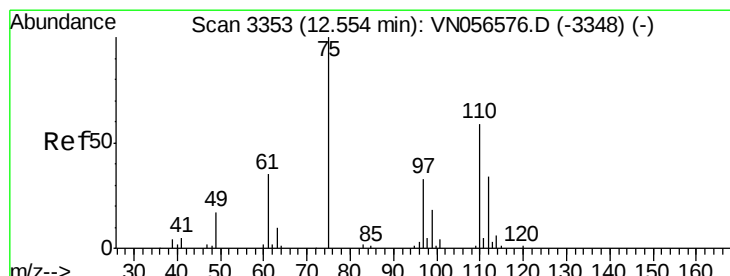
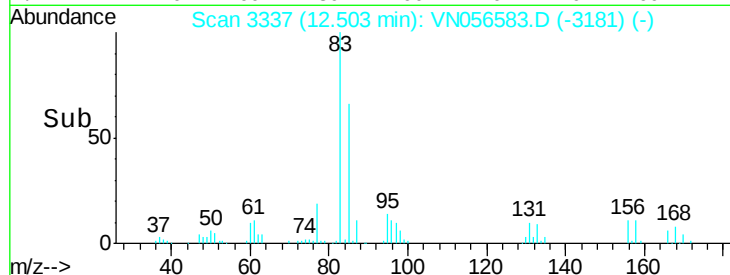
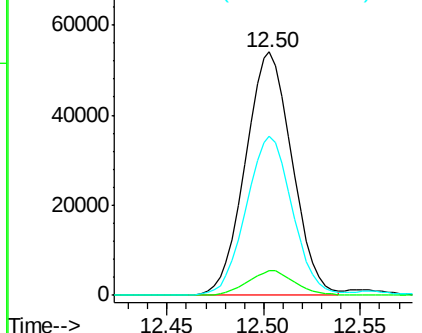
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Abundance Ion 83.00 (82.70 to 83.70): VN056583.D (-3181) (-)

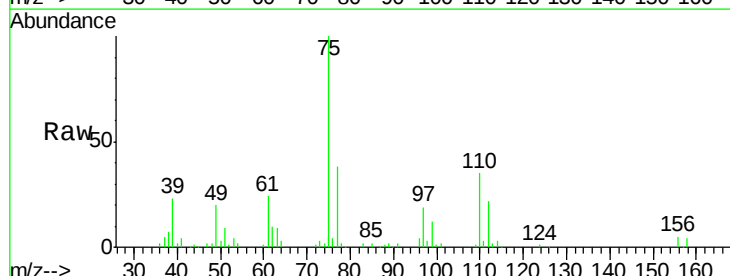
Ion 131.00 (130.70 to 131.70): VN056583.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN056583.D (-3181) (-)



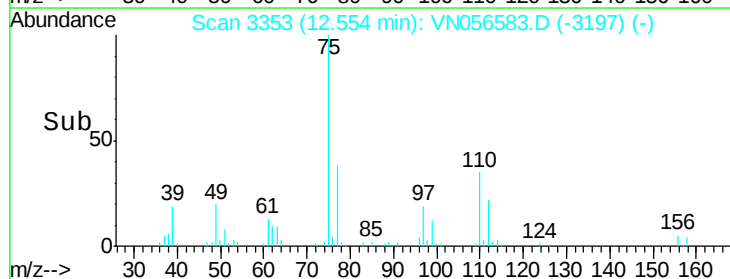
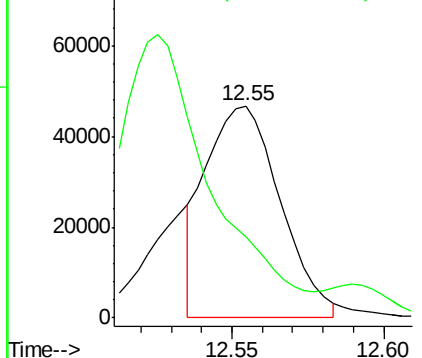
#72
 1,2,3-Trichloropropane
 Concen: 20.796 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

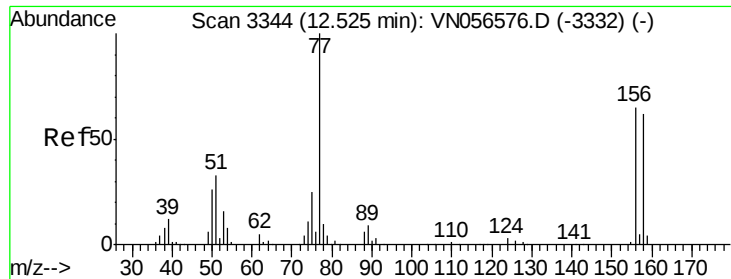
Tgt Ion	75	Resp	79797
Ion Ratio	100	Lower	Upper
75	100		
77	170.2	0.0	350.0



Abundance Ion 75.00 (74.70 to 75.70): VN056583.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN056583.D (-3197) (-)





#73

Bromobenzene

Concen: 19.461 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

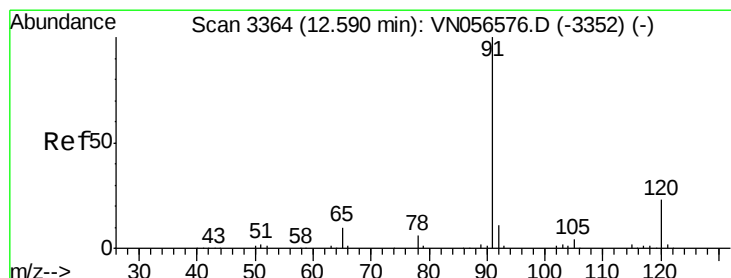
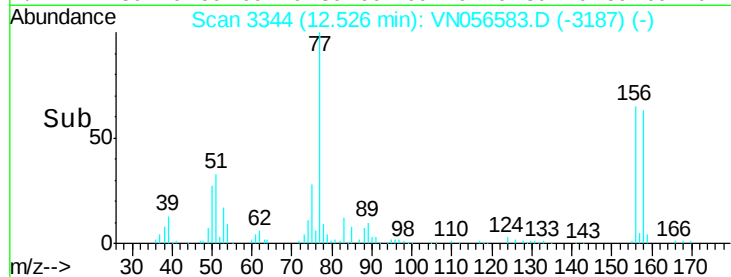
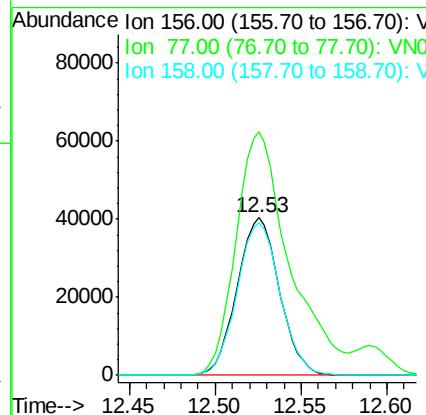
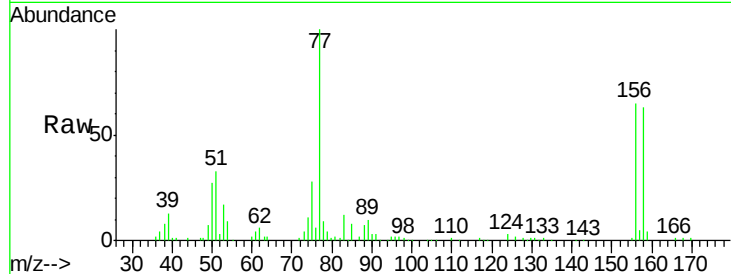
ClientSampled :

VN0703WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		69270		
77	196.1	0.0	350.8		
158	98.4	0.0	193.2		

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#74

n-propylbenzene

Concen: 19.517 ug/l

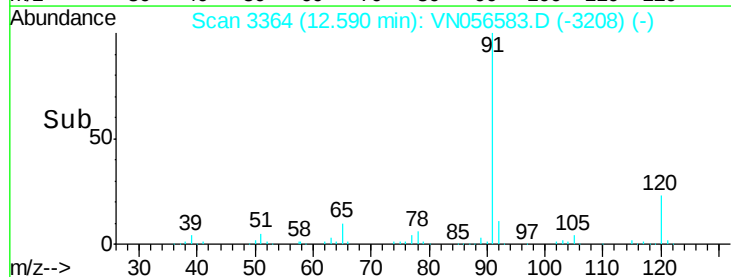
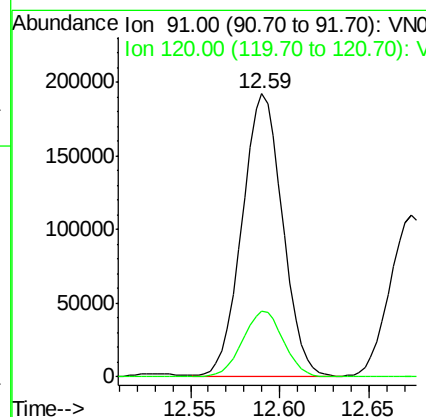
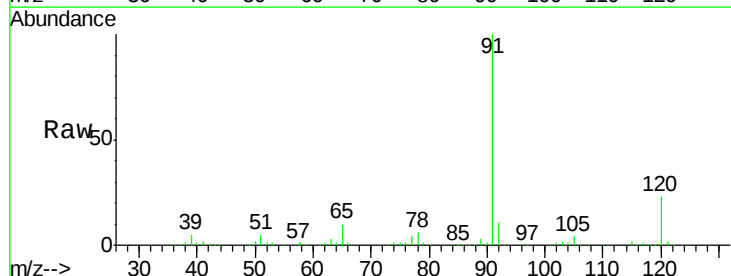
RT: 12.59 min Scan# 3364

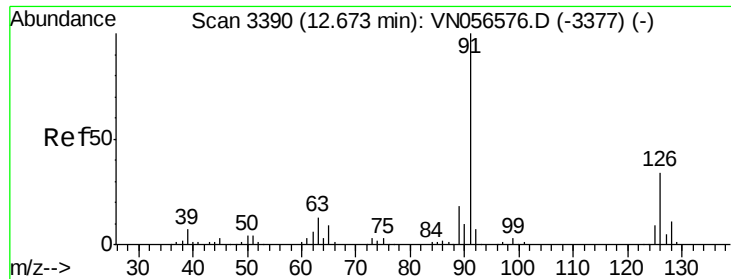
Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		305603		
120	23.4	0.0	48.6		





#75

2-Chlorotoluene

Concen: 19.666 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

ClientSampled :

VN0703WBS01

Tot Ion: 91 Resp: 184132

Ion Ratio Lower Upper

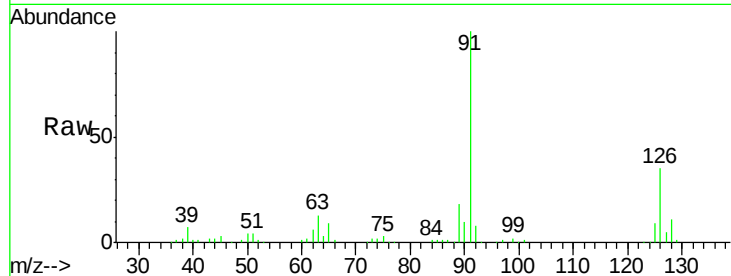
91 100

126 35.6 0.0 72.4

Manual Integrations
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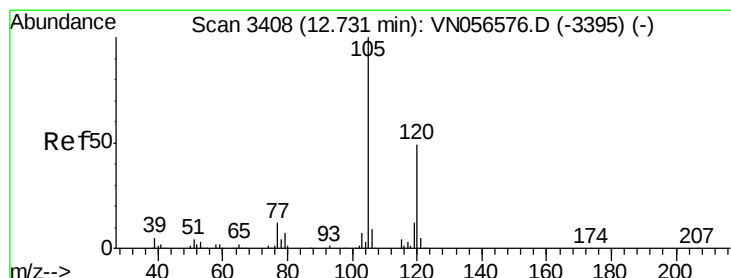
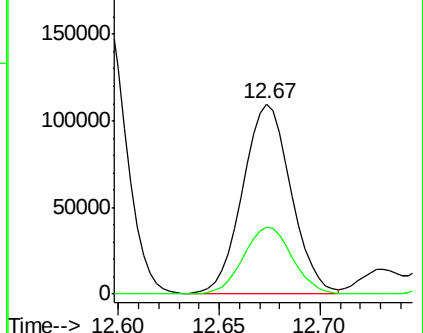
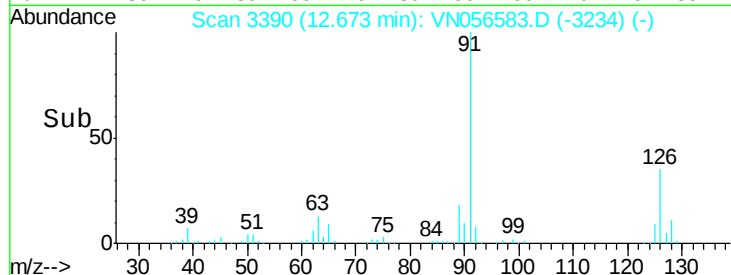
MMDadoda

7/8/2019 10:05:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.900 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056583.D

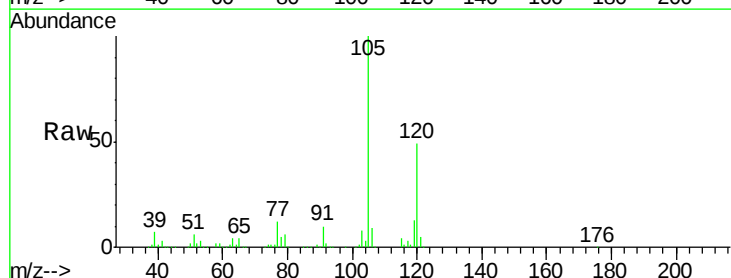
Acq: 3 Jul 2019 12:38

Tgt Ion: 105 Resp: 232563

Ion Ratio Lower Upper

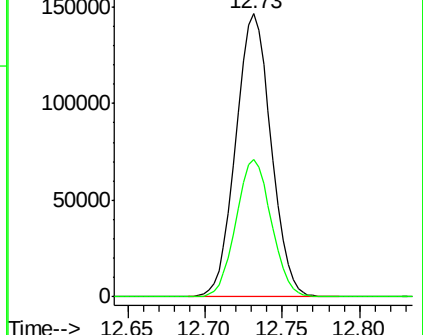
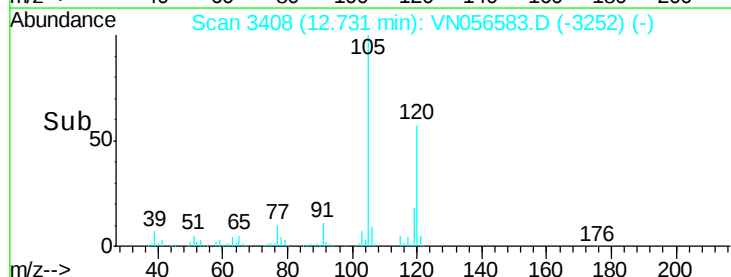
105 100

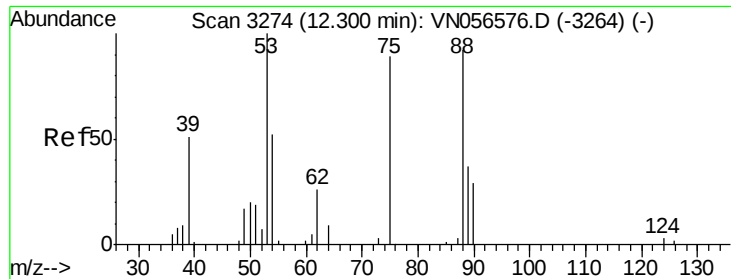
120 48.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.203 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

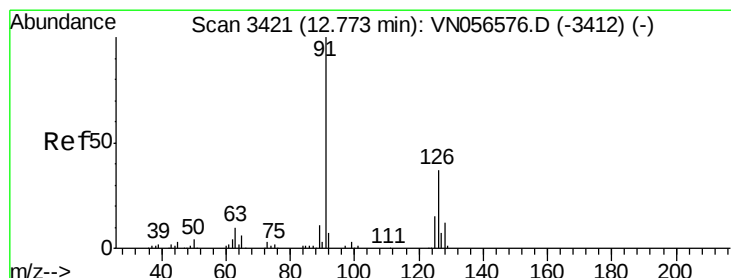
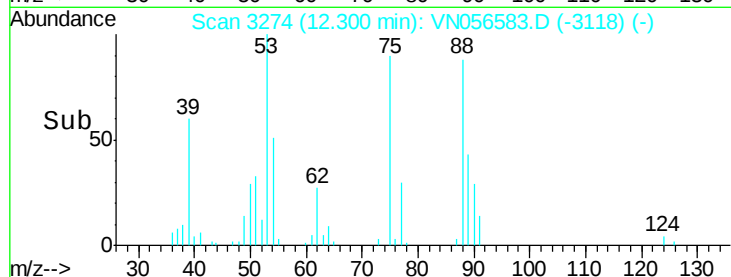
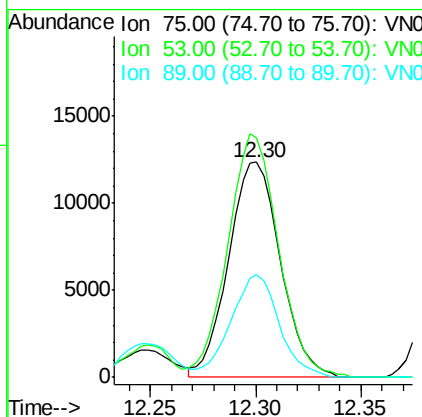
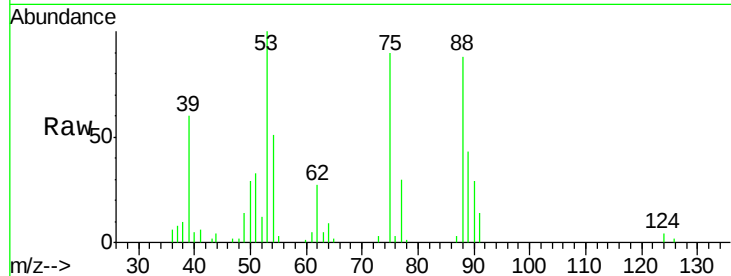
ClientSampled :

VN0703WBS01

Tot Ion:	75	Resp:	21143
Ion	Ratio	Lower	Upper
75	100		
53	109.9	48.0	144.0
89	47.8	22.5	67.5

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.432 ug/l

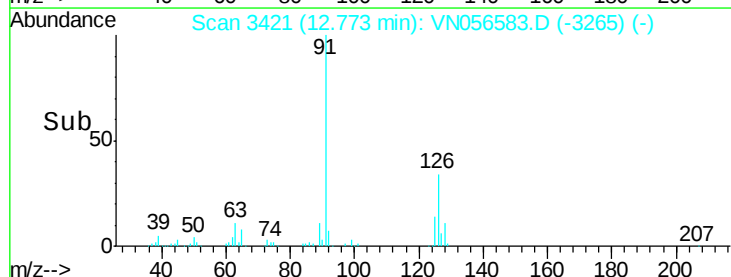
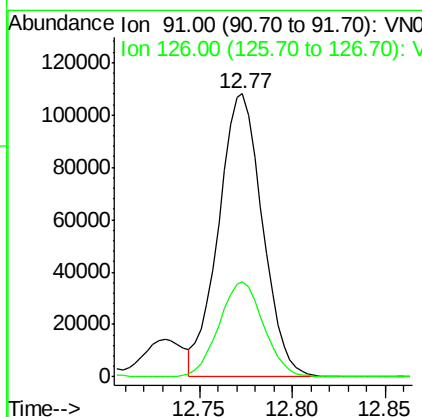
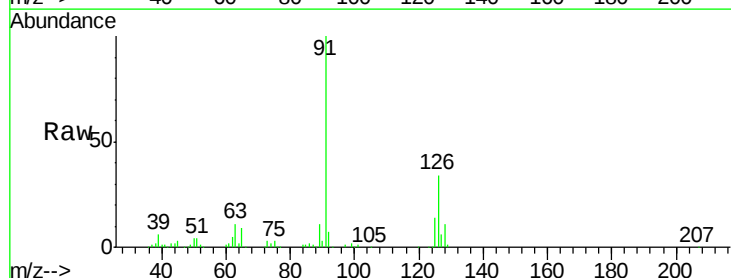
RT: 12.77 min Scan# 3421

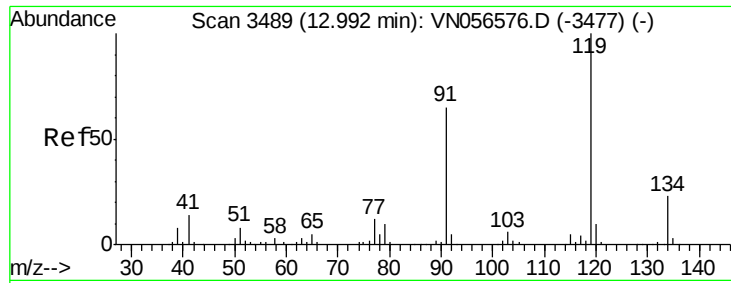
Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Tgt Ion:	91	Resp:	176942
Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	71.8





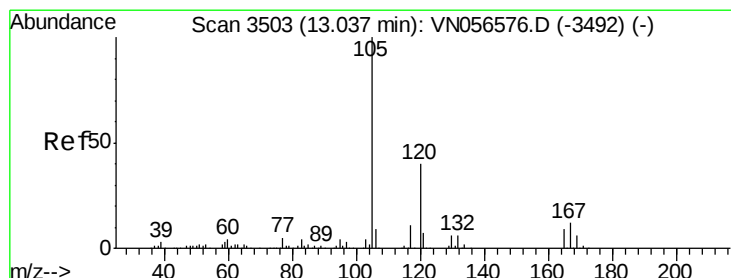
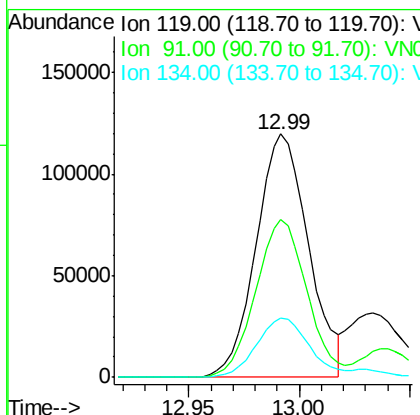
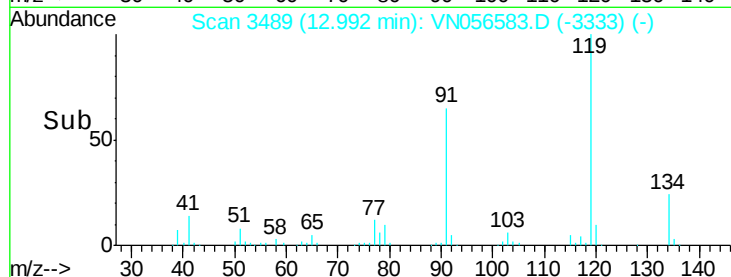
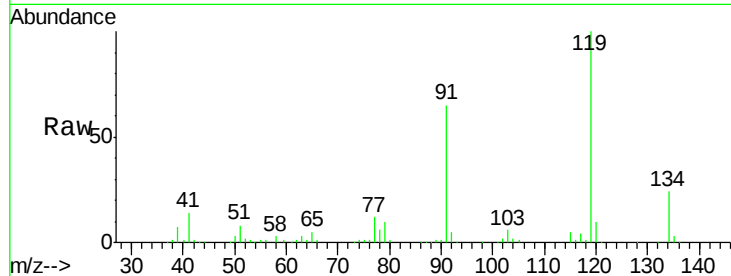
#79
tert-butylbenzene
Concen: 19.787 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	197576		
91	63.3	0.0	122.8	
134	24.4	0.0	50.2	

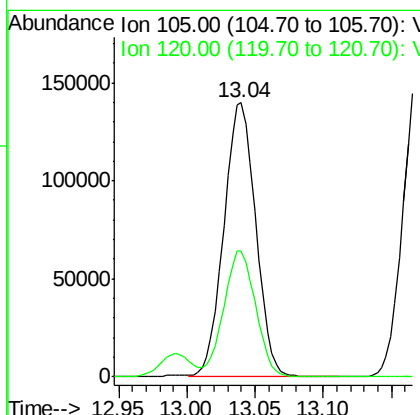
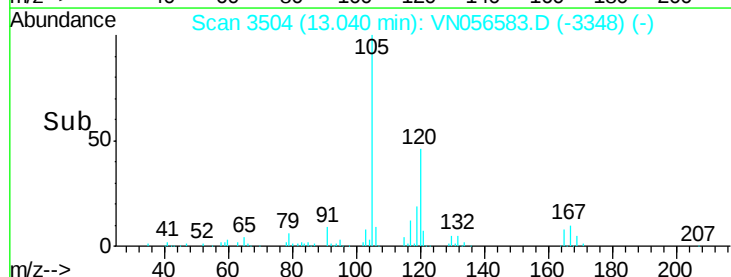
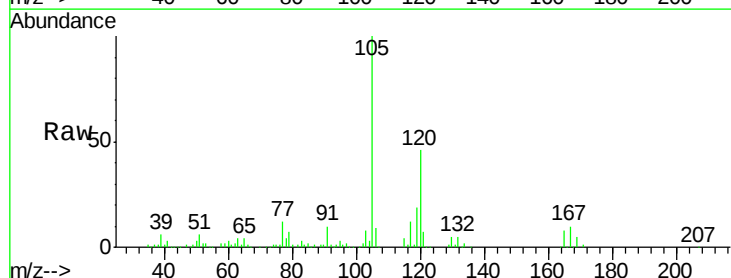
Manual Integrations
APPROVED

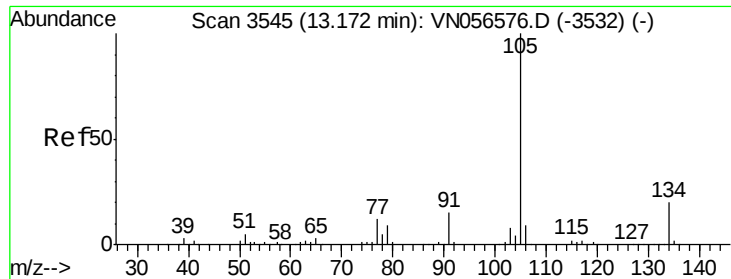
MMDadoda
7/8/2019 10:05:09 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.667 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227010		
120	45.9	0.0	93.4	





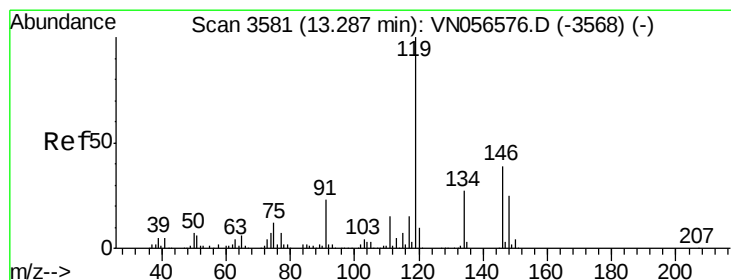
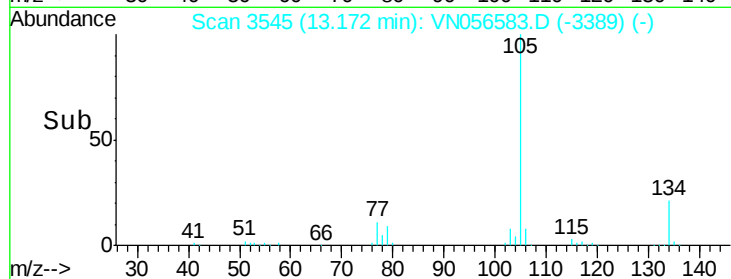
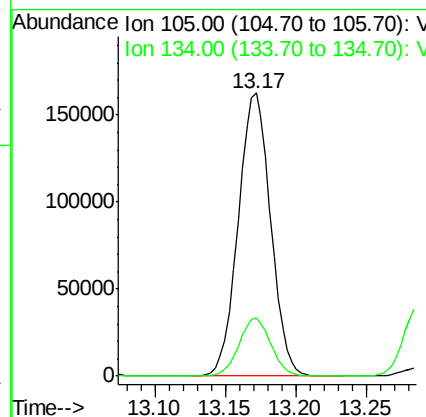
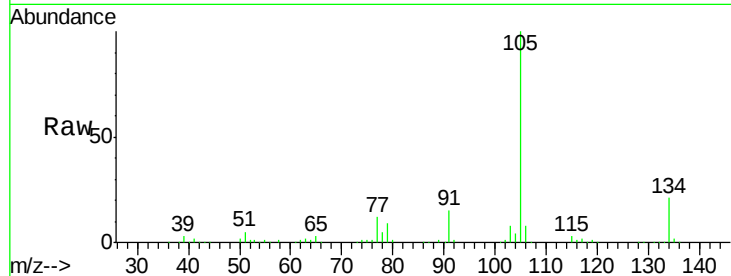
#81
 sec-Butylbenzene
 Concen: 19.750 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	261507		
134	20.3	0.0	41.8	

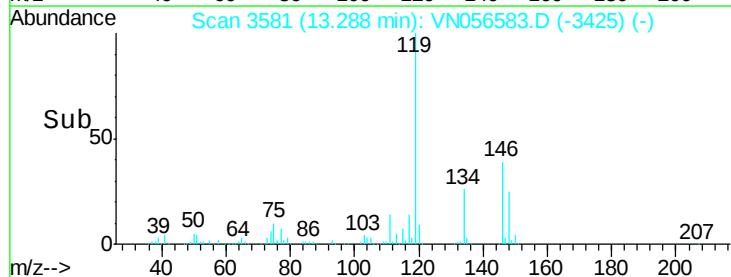
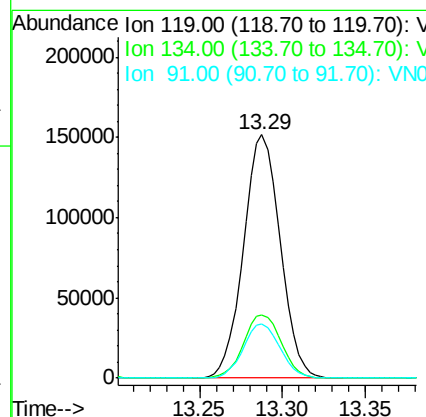
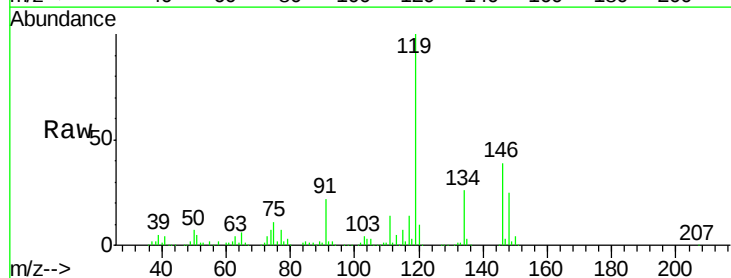
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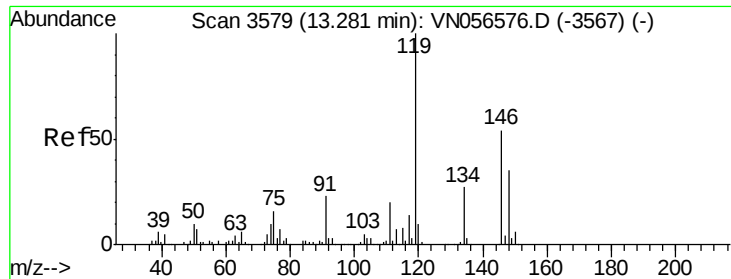
MMDadoda
 7/8/2019 10:05:09 AM



#82
 p-Isopropyltoluene
 Concen: 19.667 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	234132		
134	26.7	0.0	53.4	
91	22.4	0.0	43.0	





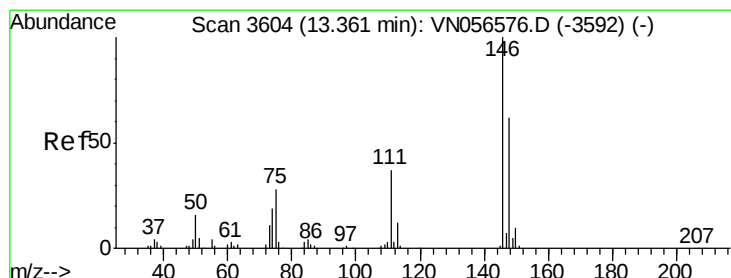
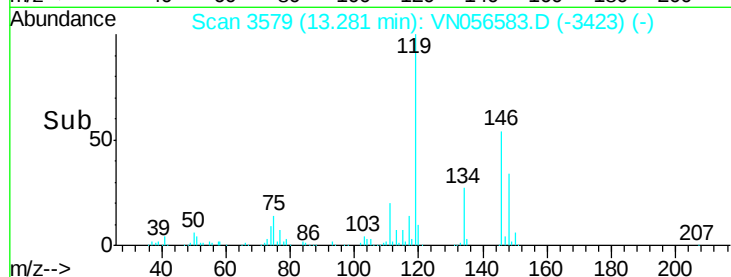
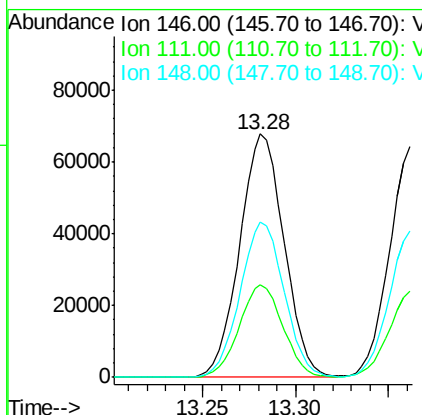
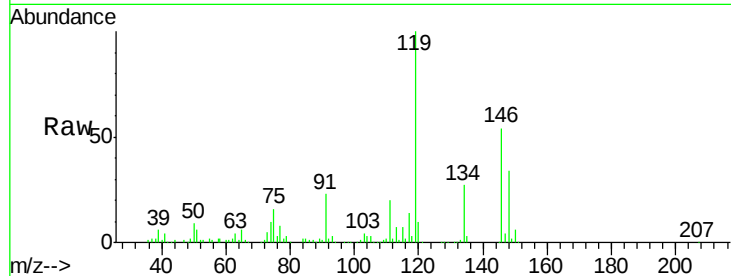
#83
 1,3-Dichlorobenzene
 Concen: 19.068 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112711		
111	37.4	18.2	54.6	
148	63.3	31.9	95.9	

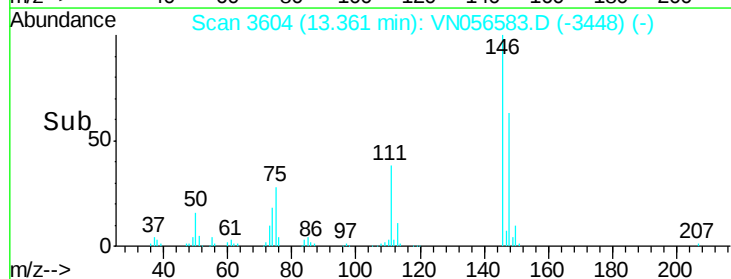
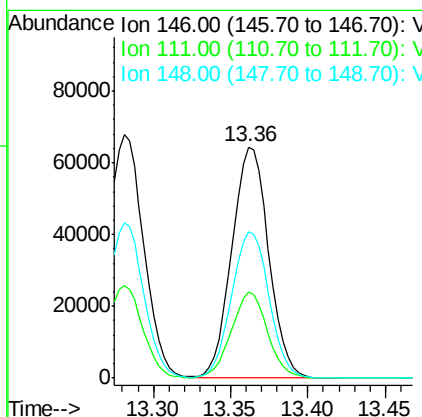
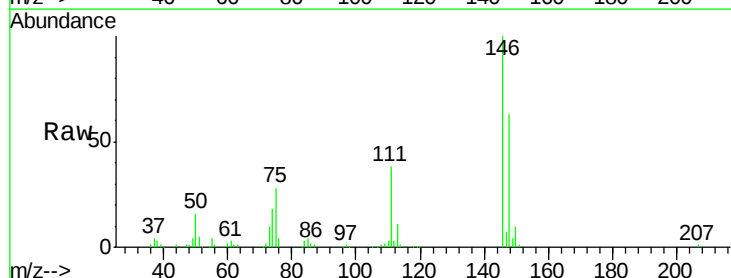
Manual Integrations
 APPROVED

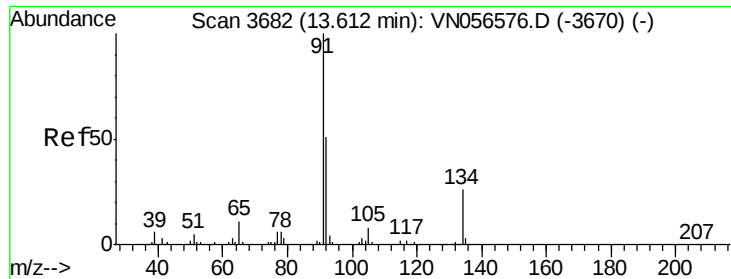
MMDadoda
 7/8/2019 10:05:09 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.718 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056583.D
 Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106730		
111	36.6	17.6	52.9	
148	64.4	32.1	96.3	





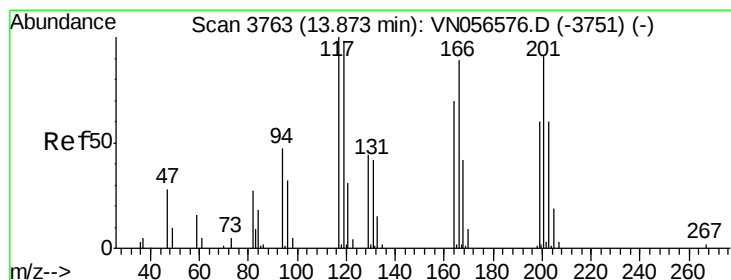
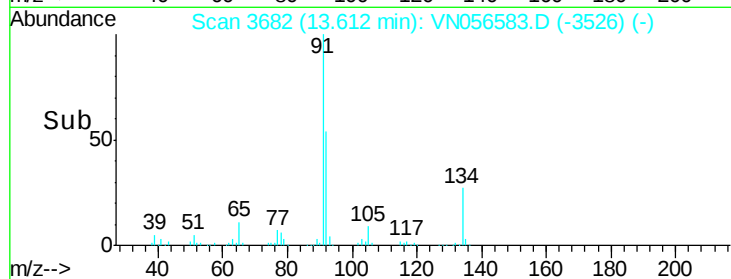
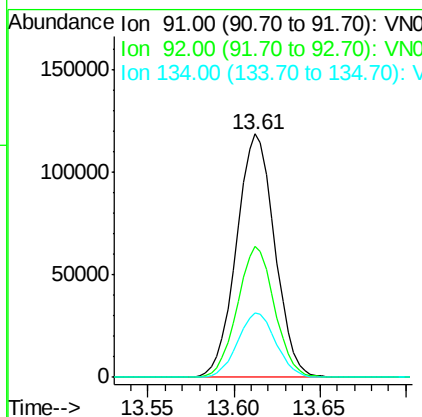
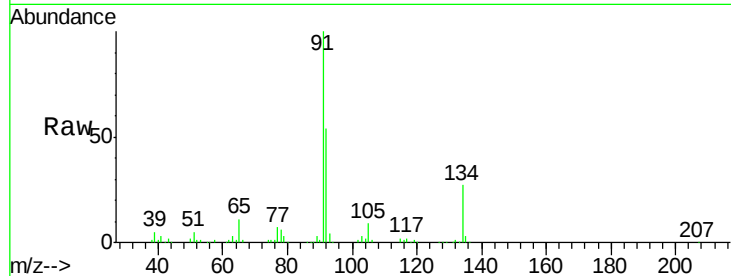
#85
n-Butylbenzene
Concen: 18.365 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	183732		
92	52.3		0.0	107.2
134	26.4		0.0	55.8

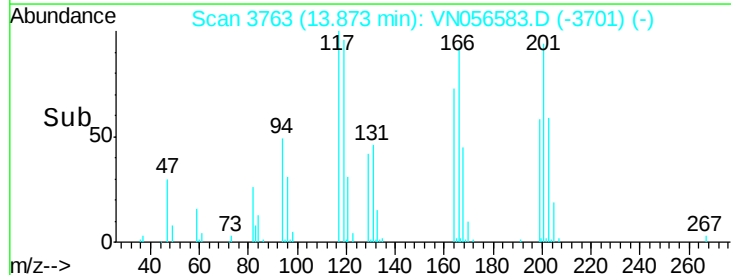
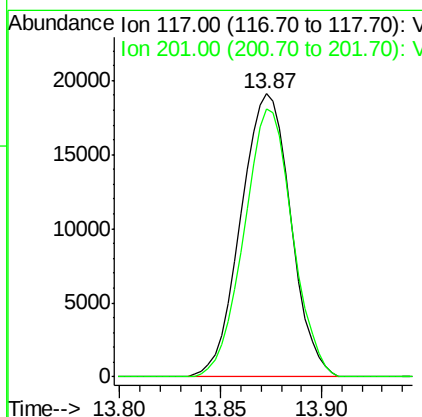
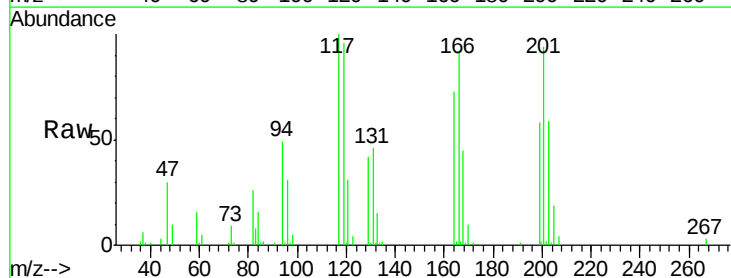
Manual Integrations
APPROVED

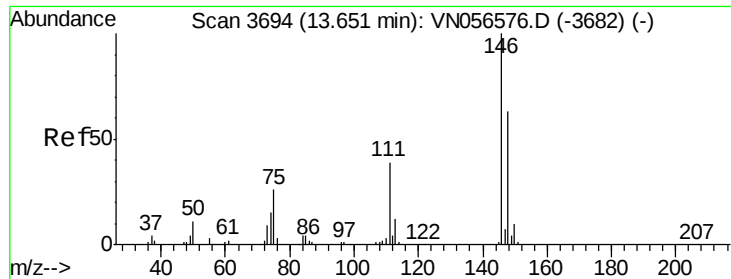
MMDadoda
7/8/2019 10:05:09 AM



#86
Hexachloroethane
Concen: 18.442 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33104		
201	91.6		48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 19.201 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

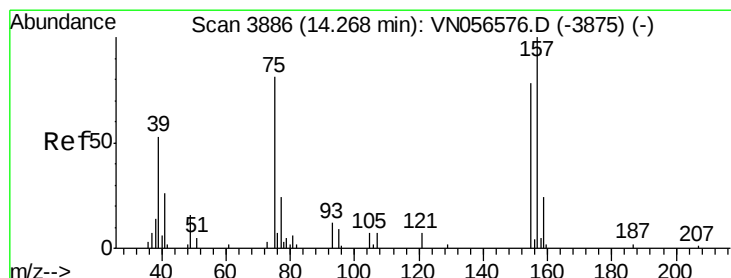
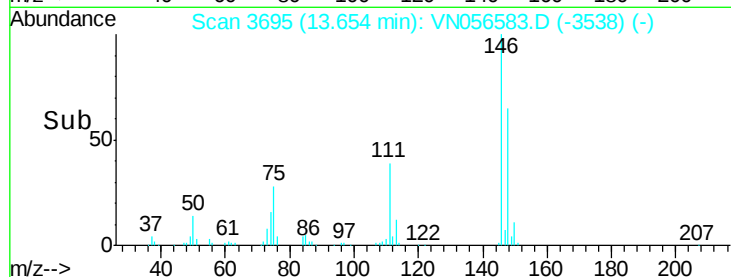
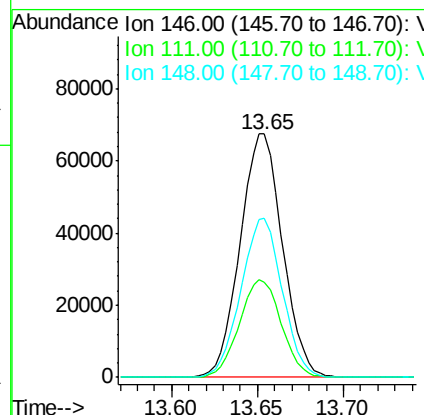
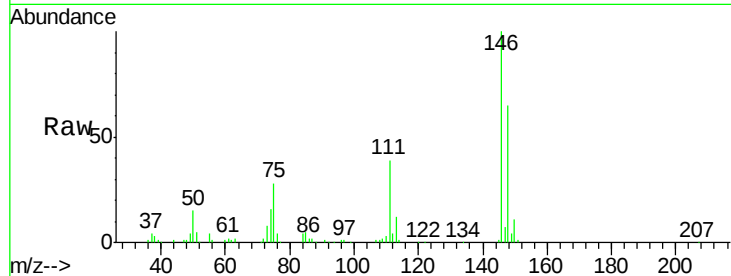
ClientSampled :

VN0703WBS01

Tot Ion:	146	Resp:	115259
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.3	57.9
148	63.7	32.6	97.8

Manual Integrations
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7/8/2019 10:05:09 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.114 ug/l

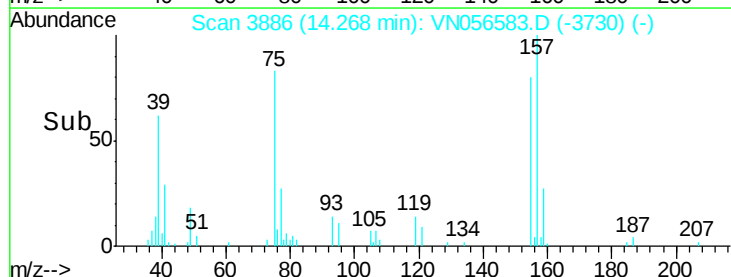
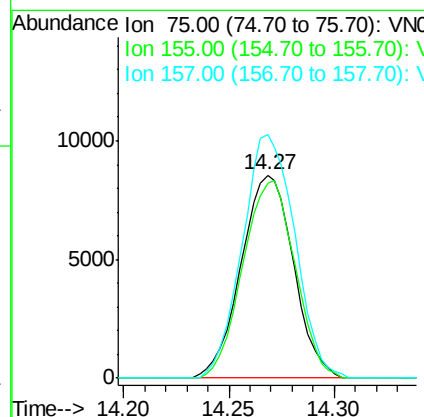
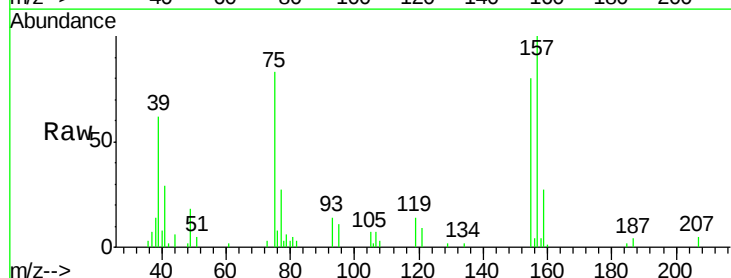
RT: 14.27 min Scan# 3886

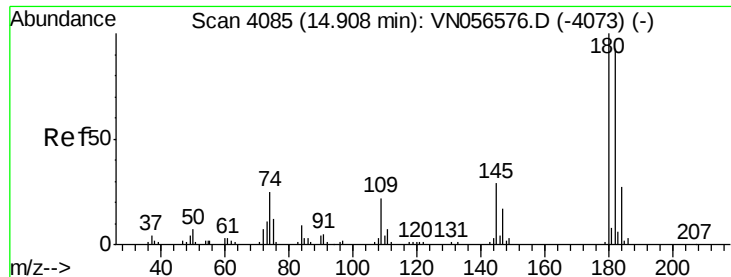
Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Tgt Ion:	75	Resp:	14810
Ion Ratio	Lower	Upper	
75	100		
155	96.5	82.5	123.7
157	119.9	105.1	157.7





#89

1,2,4-Trichlorobenzene

Concen: 16.561 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Instrument :

MSVOA_N

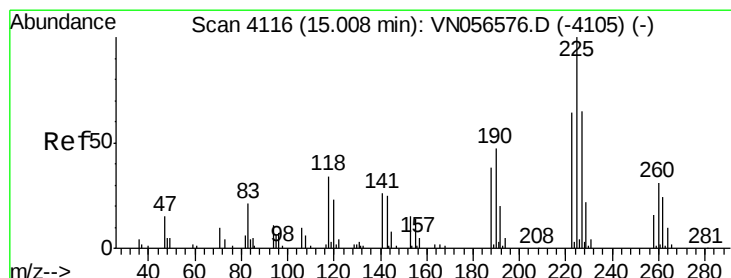
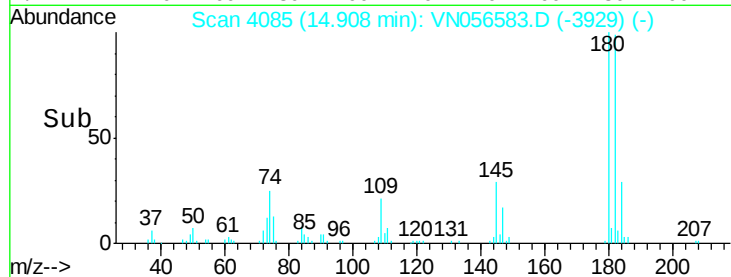
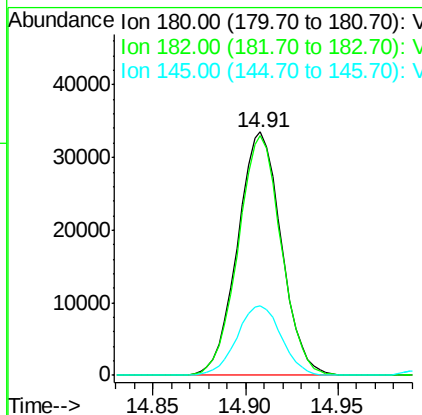
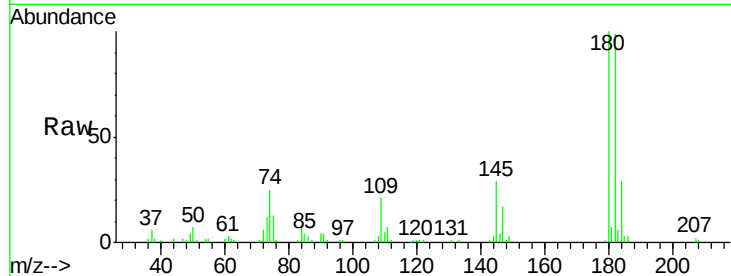
ClientSampled :

VN0703WBS01

Tot Ion:	180	Resp:	54946
Ion Ratio	Lower	Upper	
180	100		
182	96.9	75.0	112.6
145	29.1	22.1	33.1

Manual Integrations
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7/8/2019 10:05:09 AM



#90

Hexachlorobutadiene

Concen: 18.573 ug/l

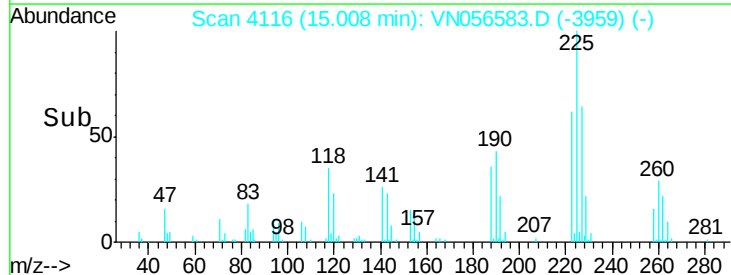
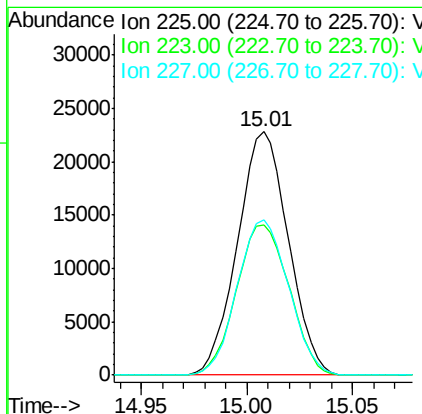
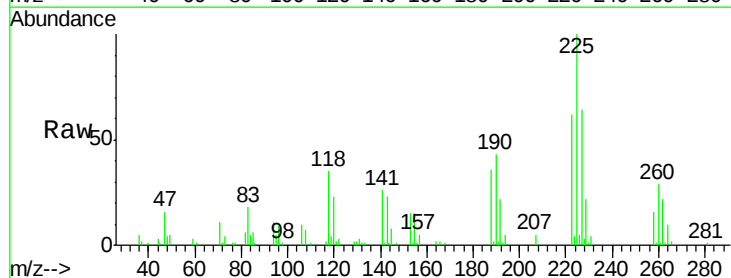
RT: 15.01 min Scan# 4116

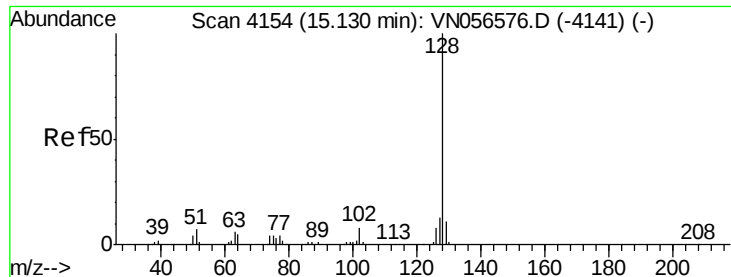
Delta R.T. 0.00 min

Lab File: VN056583.D

Acq: 3 Jul 2019 12:38

Tgt Ion:	225	Resp:	38285
Ion Ratio	Lower	Upper	
225	100		
223	64.0	0.0	125.6
227	64.4	0.0	128.6





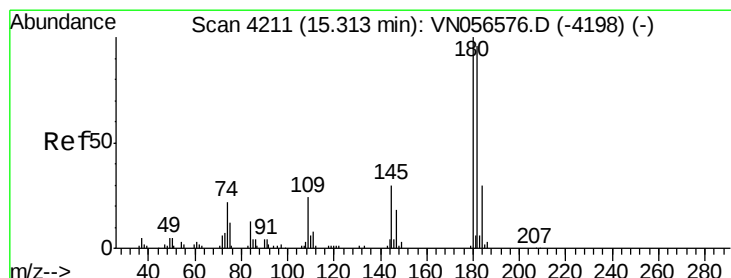
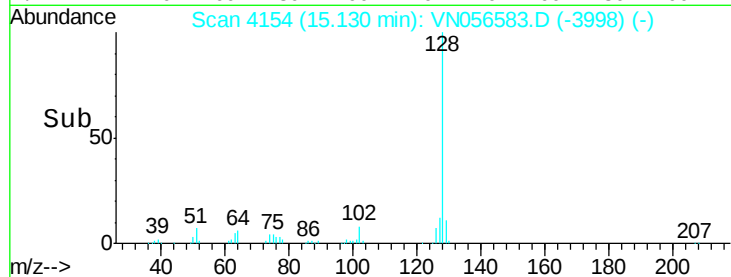
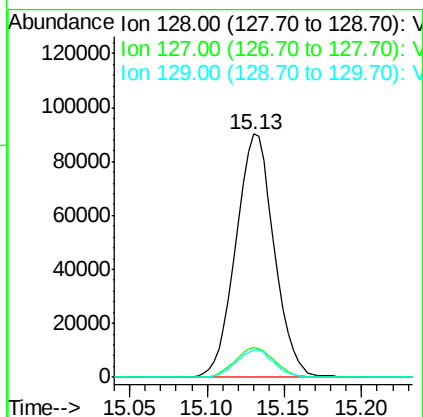
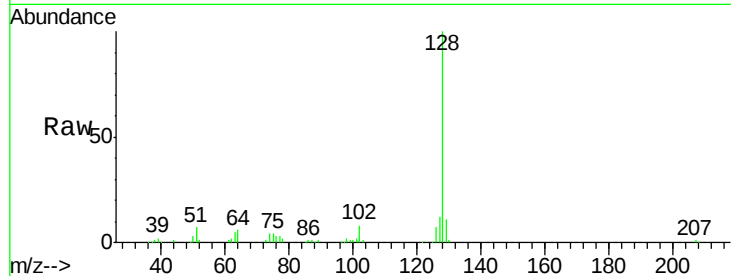
#91
Naphthalene
Concen: 16.671 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:05:09 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.589 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056583.D
Acq: 3 Jul 2019 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	193.4
145	30.0	0.0	59.8

