

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061419\
 Data File : VN056317.D
 Acq On : 14 Jun 2019 17:14
 Operator : JC/SP
 Sample : VN0614WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 9:45:34 AM

Quant Time: Jun 15 00:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	327620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	498043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	436808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161281	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	182188	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
35) Dibromofluoromethane	7.59	113	160761	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	10.09	98	579447	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	185646	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	66087	18.586	ug/l	99
3) Chloromethane	2.06	50	74633	21.015	ug/l	98
4) Vinyl Chloride	2.18	62	75292	21.135	ug/l	99
5) Bromomethane	2.54	94	43529	19.343	ug/l	98
6) Chloroethane	2.69	64	43627	21.122	ug/l	97
7) Trichlorofluoromethane	3.01	101	95048	20.900	ug/l	99
8) Diethyl Ether	3.41	74	39649	21.200	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59491	21.535	ug/l	98
10) Methyl Iodide	3.94	142	68139	15.521	ug/l	100
11) Tert butyl alcohol	4.81	59	51291	90.606	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	58400	21.234	ug/l	100
13) Acrolein	3.60	56	10965	67.161	ug/l	98
14) Allyl chloride	4.31	41	94663	21.797	ug/l	96
15) Acrylonitrile	4.99	53	170982	124.078	ug/l	99
16) Acetone	3.82	43	149498	96.090	ug/l	98
17) Carbon Disulfide	4.04	76	119354	18.124	ug/l	99
18) Methyl Acetate	4.33	43	87268	28.305	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	193139	22.031	ug/l	99
20) Methylene Chloride	4.54	84	71230	22.222	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	60973	20.691	ug/l	98
22) Diisopropyl ether	5.96	45	203428	22.660	ug/l	97
23) Vinyl Acetate	5.90	43	795351	112.501	ug/l	99
24) 1,1-Dichloroethane	5.84	63	119906	23.155	ug/l	99
25) 2-Butanone	6.84	43	224270	114.091	ug/l	98
26) 2,2-Dichloropropane	6.82	77	70194	17.371	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	73551	21.233	ug/l	98
28) Bromochloromethane	7.19	49	63888	26.088	ug/l	94
29) Tetrahydrofuran	7.22	42	147033	121.007	ug/l	97
30) Chloroform	7.37	83	121076	23.242	ug/l	99
31) Cyclohexane	7.65	56	101794	19.721	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	94914	21.818	ug/l	98
36) 1,1-Dichloropropene	7.79	75	81836	19.110	ug/l	99
37) Ethyl Acetate	6.94	43	89273	23.429	ug/l	99
38) Carbon Tetrachloride	7.77	117	80878	20.485	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93588	17.543	ug/l	96
40) Benzene	8.04	78	265685	20.427	ug/l	99
41) Methacrylonitrile	7.18	41	47437	27.058	ug/l	94
42) 1,2-Dichloroethane	8.12	62	90819	21.707	ug/l	100
43) Isopropyl Acetate	8.17	43	131826	21.350	ug/l #	92
44) Trichloroethene	8.84	130	72839	19.489	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73683	22.116	ug/l	99
46) Dibromomethane	9.21	93	47607	21.852	ug/l	96
47) Bromodichloromethane	9.40	83	90210	22.846	ug/l	98
48) Methyl methacrylate	9.20	41	68365	22.632	ug/l	96
49) 1,4-Dioxane	9.20	88	25718	394.357	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	431181	111.668	ug/l	99
52) Toluene	10.16	92	164296	20.299	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	81474	19.153	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	98962	20.851	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69204	21.586	ug/l	98
56) Ethyl methacrylate	10.43	69	97025	20.744	ug/l	97
57) 1,3-Dichloropropane	10.71	76	114697	22.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	144449	88.133	ug/l	98
59) 2-Hexanone	10.75	43	301671	107.795	ug/l	98
60) Dibromochloromethane	10.90	129	68262	20.810	ug/l	96
61) 1,2-Dibromoethane	11.01	107	70678	21.564	ug/l	99
64) Tetrachloroethene	10.63	164	71021	18.783	ug/l	99
65) Chlorobenzene	11.43	112	178535	20.537	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	67124	22.362	ug/l	99
67) Ethyl Benzene	11.51	91	302716	20.026	ug/l	100
68) m/p-Xylenes	11.62	106	227258	39.355	ug/l	100
69) o-Xylene	11.95	106	112456	19.798	ug/l	98
70) Styrene	11.96	104	180978	20.053	ug/l	99
71) Bromoform	12.13	173	49719	21.389	ug/l #	100
73) Isopropylbenzene	12.25	105	299094	24.797	ug/l	99
74) N-amyl acetate	12.07	43	103983	24.187	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	98833	26.397	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	83709m	28.207	ug/l	
77) Bromobenzene	12.53	156	77894	22.558	ug/l	98
78) n-propylbenzene	12.59	91	305270	22.374	ug/l	99
79) 2-Chlorotoluene	12.67	91	193265	24.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	240294	22.159	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20016	22.461	ug/l #	87
82) 4-Chlorotoluene	12.77	91	176523	22.114	ug/l	100
83) tert-Butylbenzene	12.99	119	221160	24.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	230545	22.419	ug/l	100
85) sec-Butylbenzene	13.17	105	272830	22.579	ug/l	98
86) p-Isopropyltoluene	13.29	119	229682	21.239	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	113454	21.229	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	105866	20.593	ug/l	99
89) n-Butylbenzene	13.61	91	155976	19.470	ug/l	98
90) Hexachloroethane	13.87	117	41834	25.652	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	116571	21.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13524	25.254	ug/l	96

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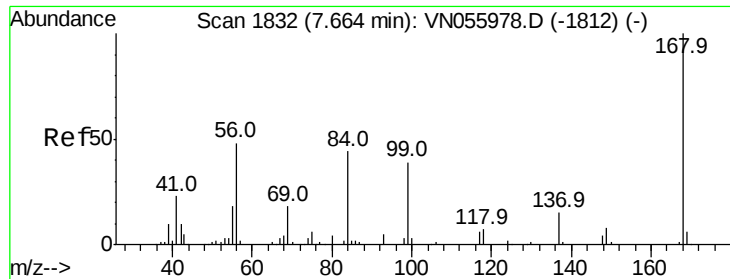
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37020	15.657	ug/l	99
94) Hexachlorobutadiene	15.01	225	42058	21.540	ug/l	99
95) Naphthalene	15.13	128	105643	16.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45849	17.245	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion:168 Resp: 327620

Ion Ratio Lower Upper

168 100

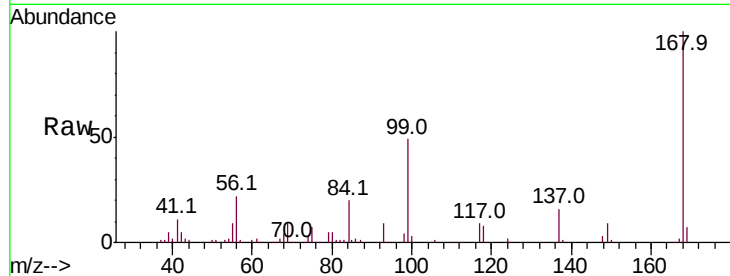
99 49.0 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.66

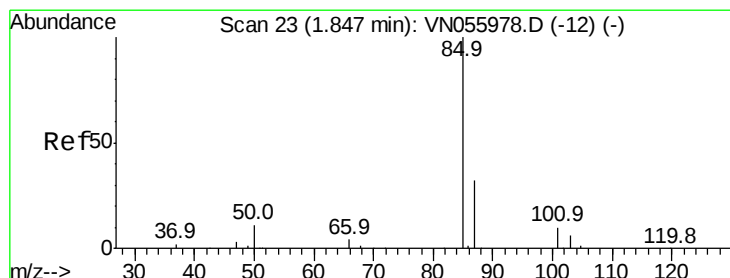
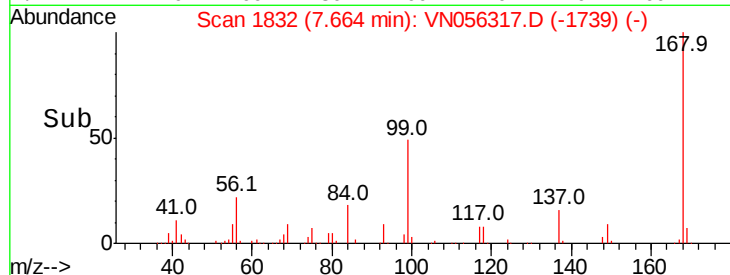
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.586 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056317.D

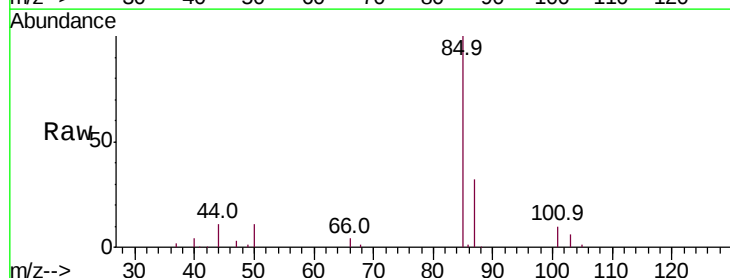
Acq: 14 Jun 2019 17:14

Tgt Ion: 85 Resp: 66087

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

50000

40000

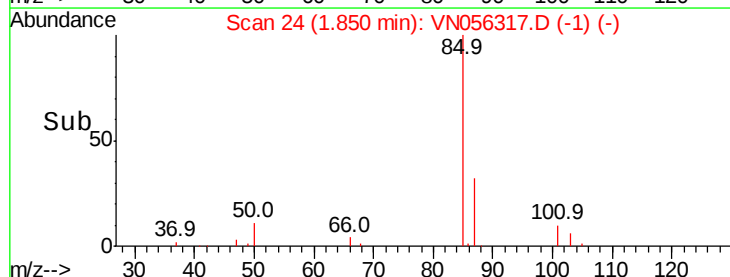
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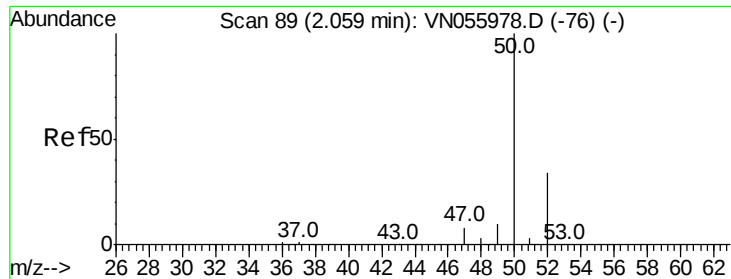
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10000

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Time-->





#3

Chloromethane

Concen: 21.015 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion: 50 Resp: 74633

Ion Ratio Lower Upper

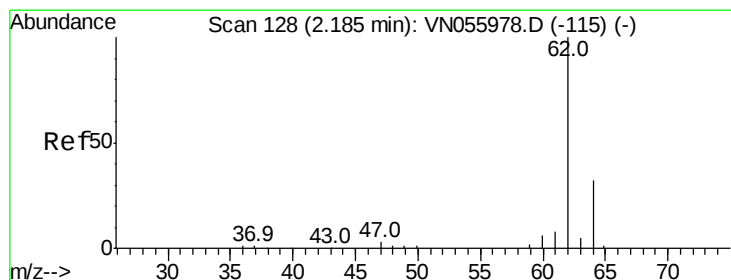
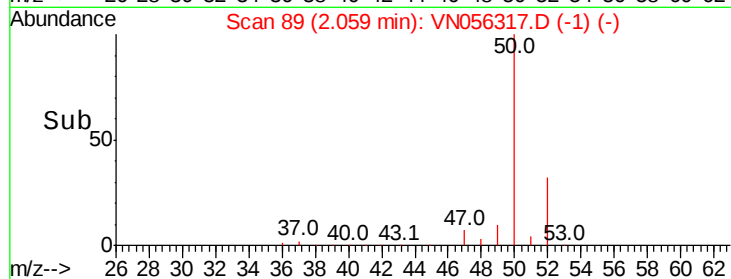
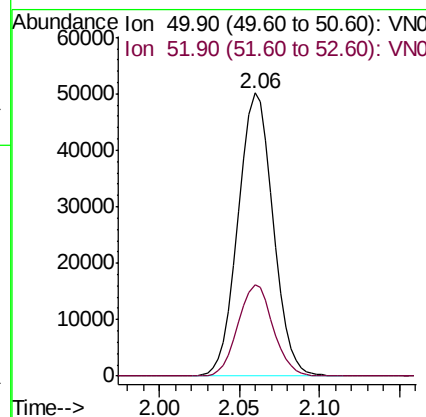
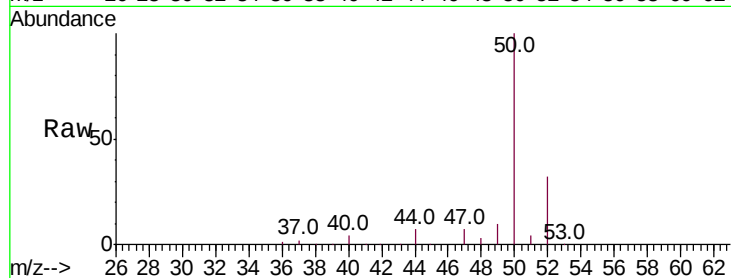
50 100

52 32.1 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.135 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056317.D

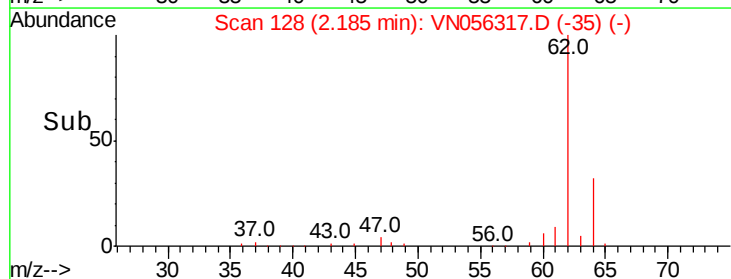
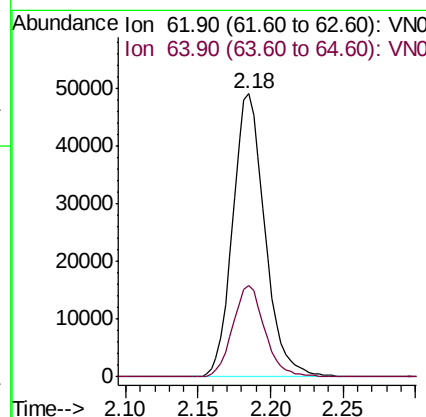
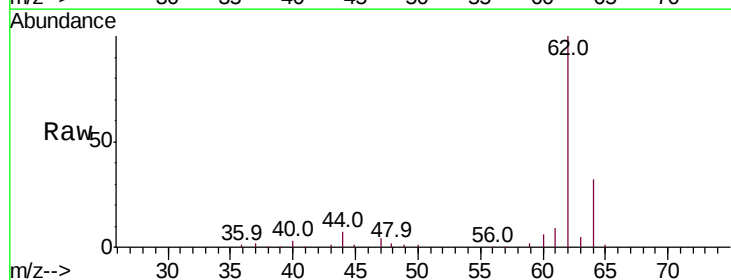
Acq: 14 Jun 2019 17:14

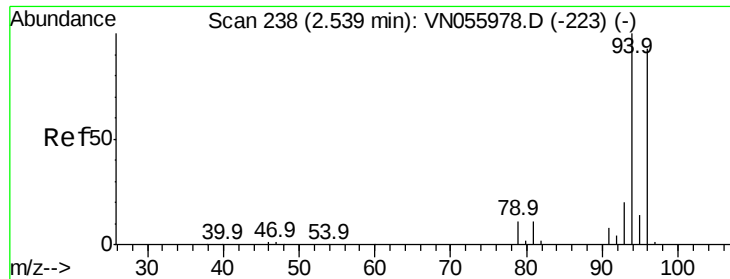
Tgt Ion: 62 Resp: 75292

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 19.343 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

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Tot Ion: 94 Resp: 43529

Ion Ratio Lower Upper

94 100

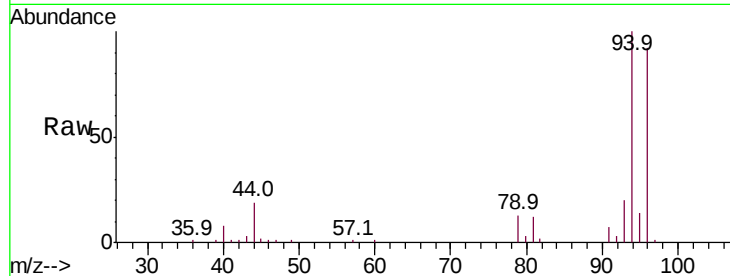
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Manual Integrations

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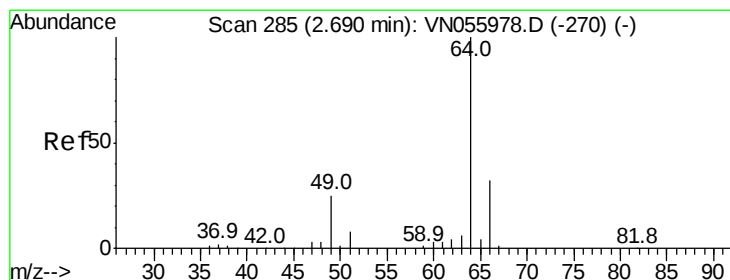
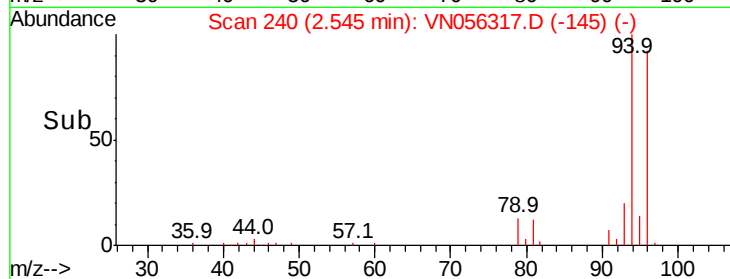
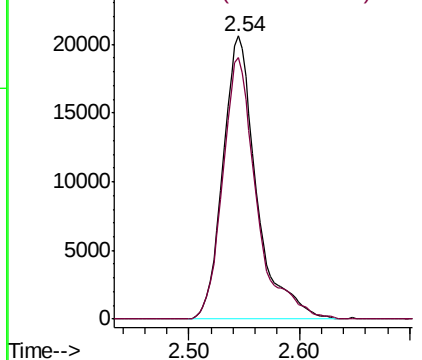
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.122 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056317.D

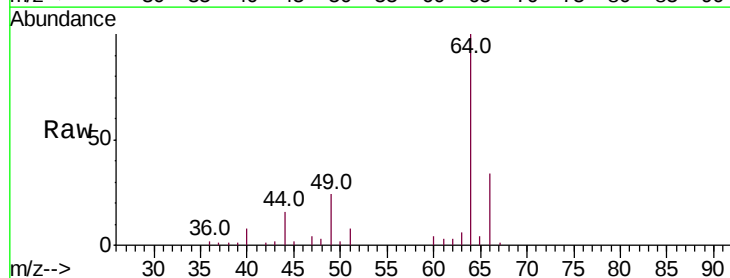
Acq: 14 Jun 2019 17:14

Tgt Ion: 64 Resp: 43627

Ion Ratio Lower Upper

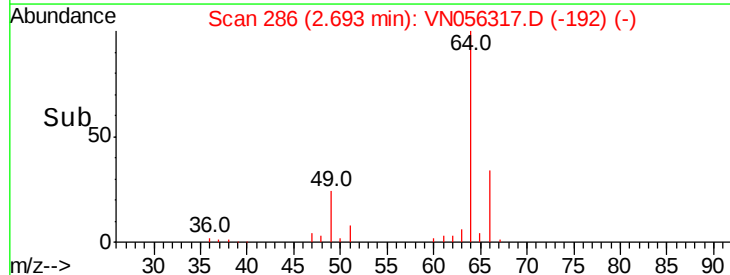
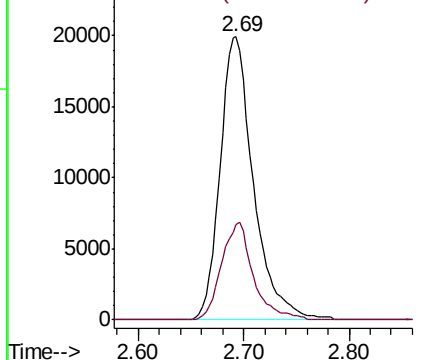
64 100

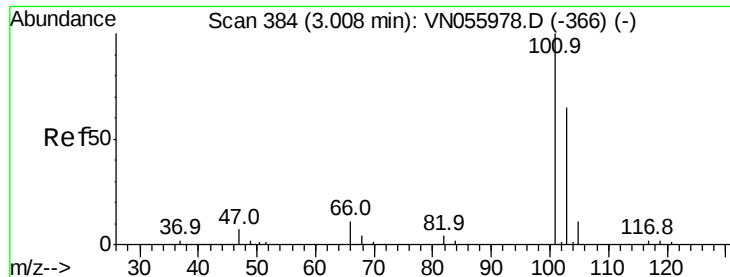
66 33.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

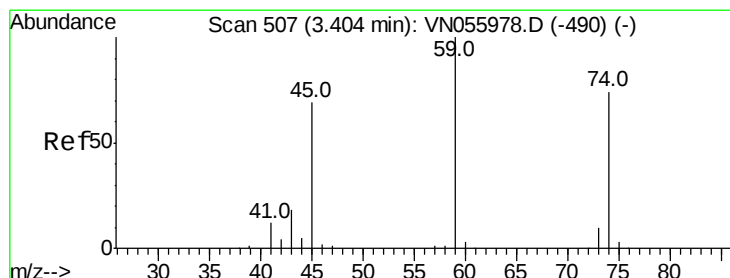
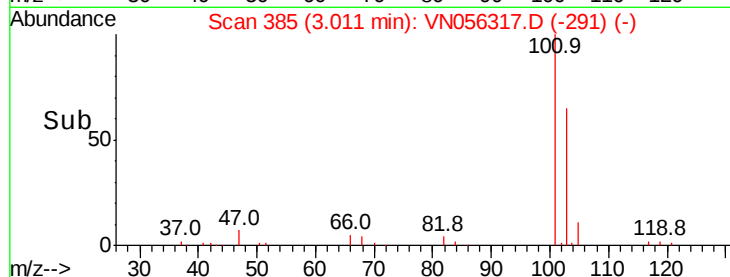
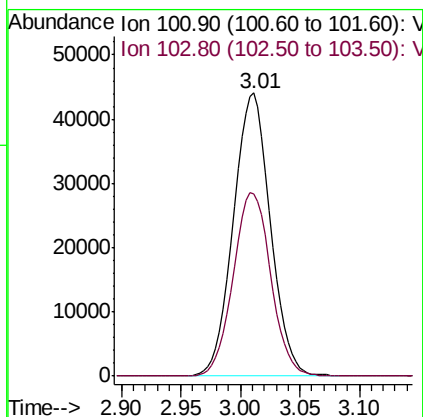
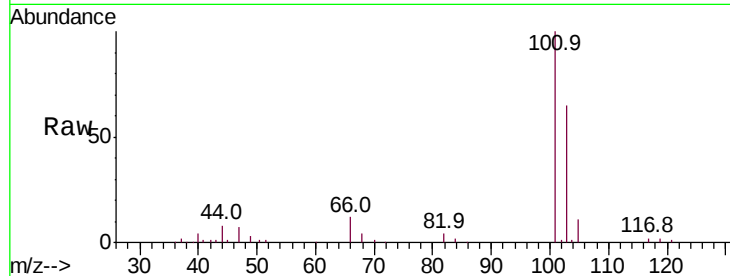
Trichlorofluoromethane
 Concen: 20.900 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

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Tot Ion:101 Resp: 95048
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8

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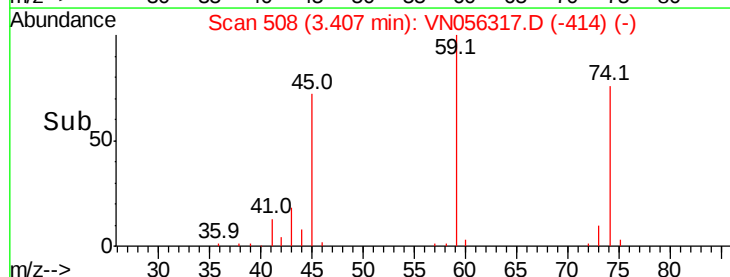
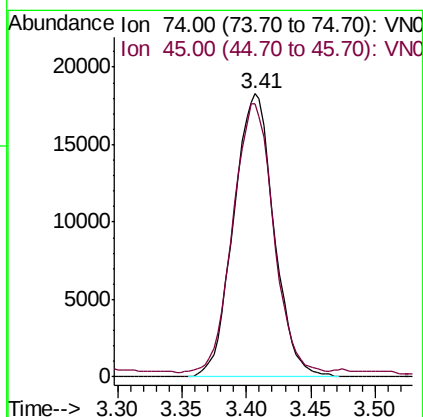
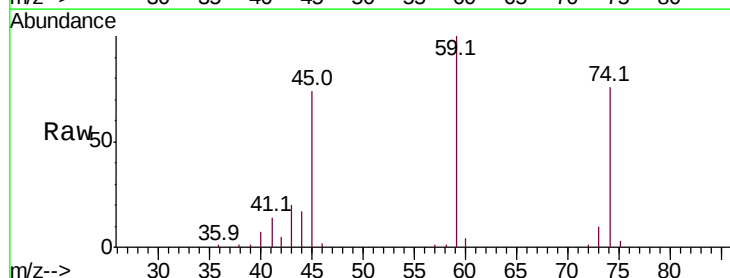
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 6/17/2019 9:45:34 AM

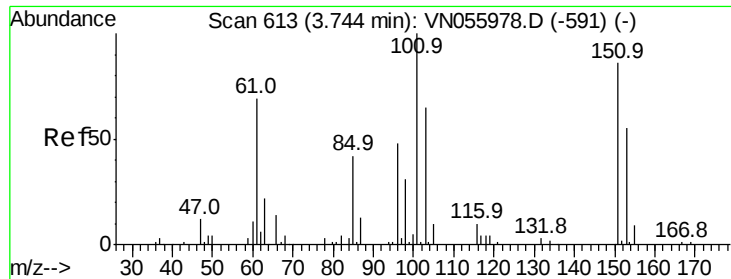


#8

Diethyl Ether
 Concen: 21.200 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion: 74 Resp: 39649
 Ion Ratio Lower Upper
 74 100
 45 94.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.535 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

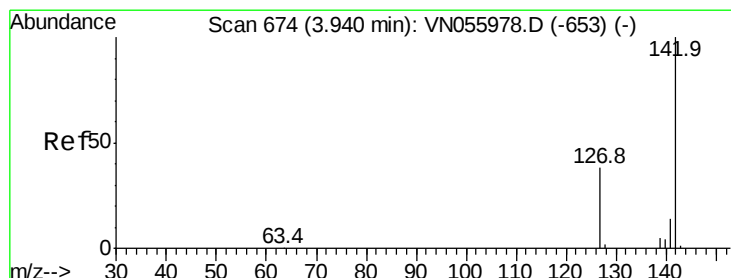
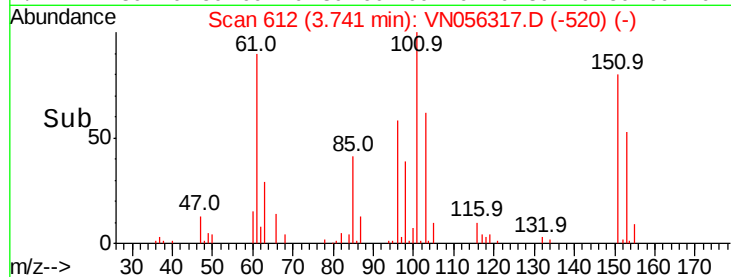
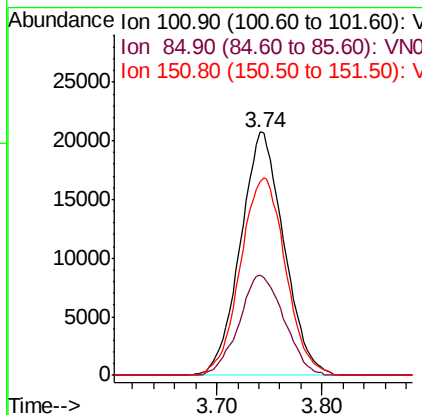
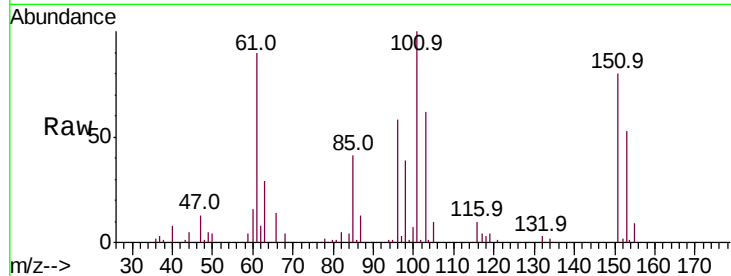
ClientSampleId :

VN0614WBSD02

Tot Ion:	101	Resp:	59491
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.4	50.2
151	84.2	69.4	104.2

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#10

Methyl Iodide

Concen: 15.521 ug/l

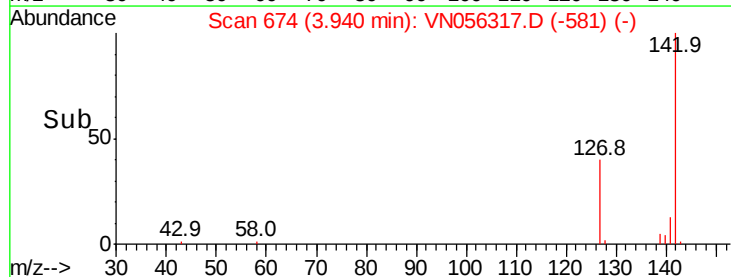
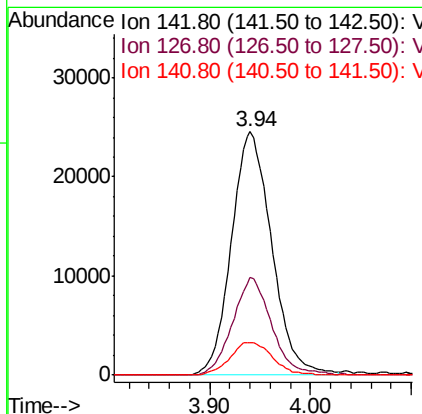
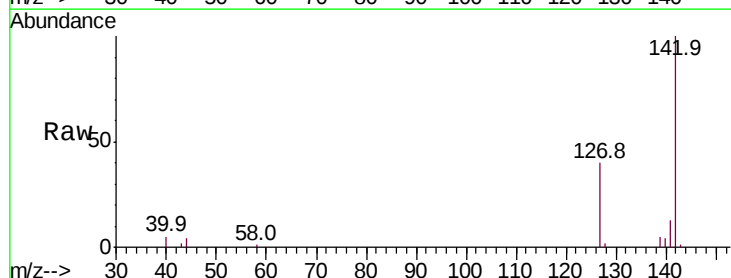
RT: 3.94 min Scan# 674

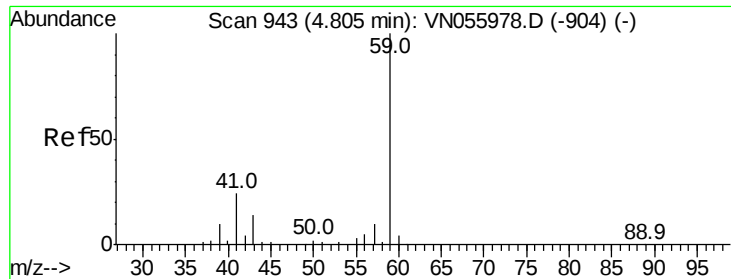
Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion:	142	Resp:	68139
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.0	11.4	17.0





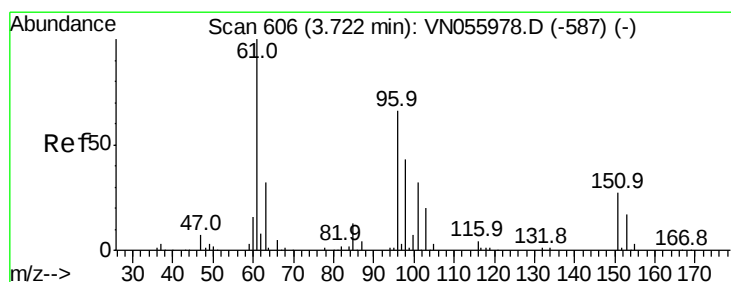
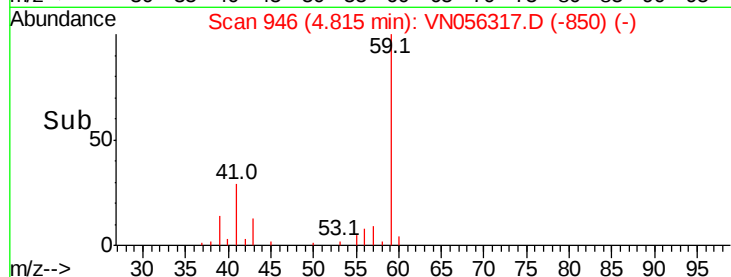
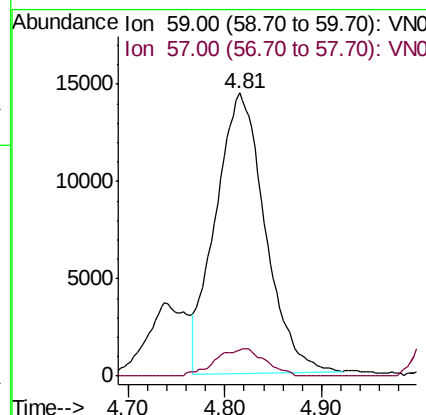
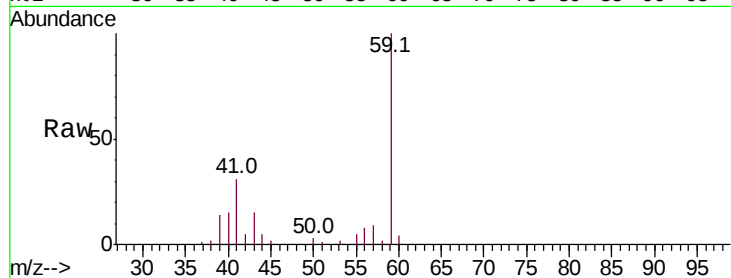
#11
Tert butyl alcohol
Concen: 90.606 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion: 59 Resp: 51291
Ion Ratio Lower Upper
59 100
57 3.5 7.8 11.6#

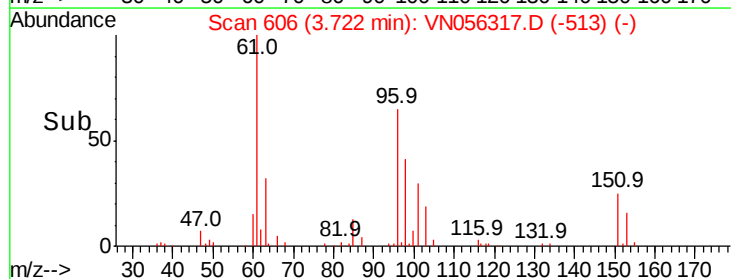
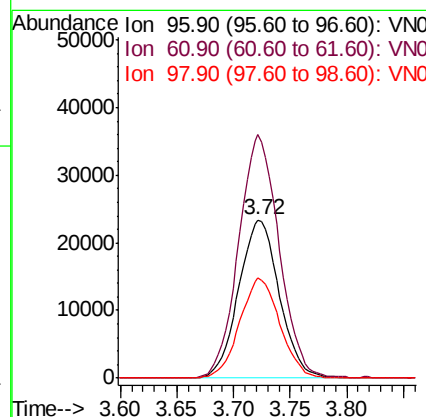
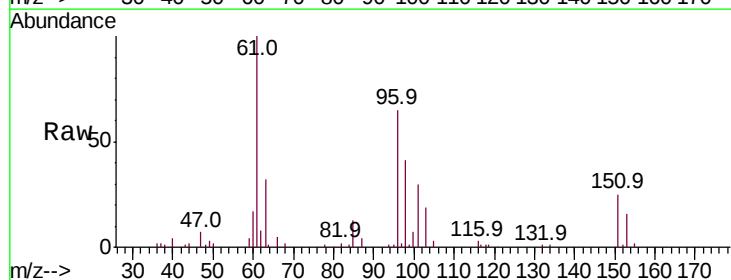
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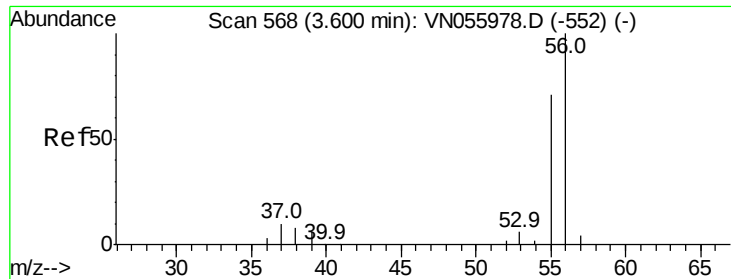
MMDadoda
6/17/2019 9:45:34 AM



#12
1,1-Dichloroethene
Concen: 21.234 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion: 96 Resp: 58400
Ion Ratio Lower Upper
96 100
61 154.2 123.2 184.8
98 63.2 50.4 75.6





#13

Acrolein

Concen: 67.161 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion: 56 Resp: 10965

Ion Ratio Lower Upper

56 100

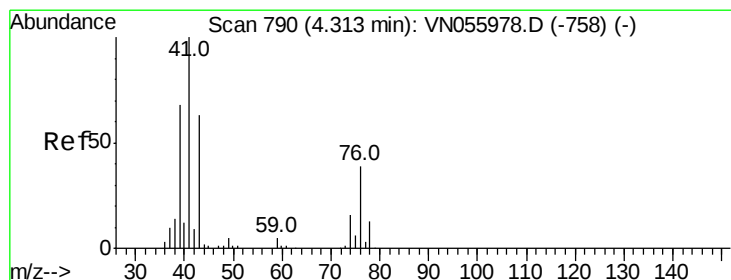
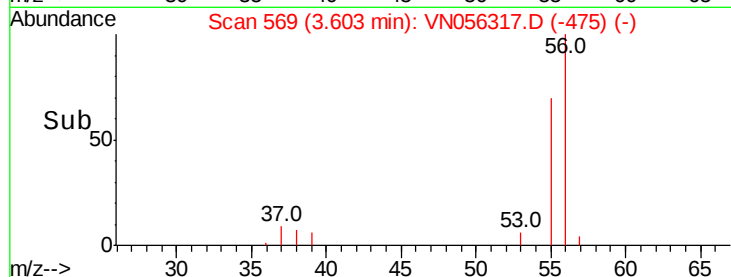
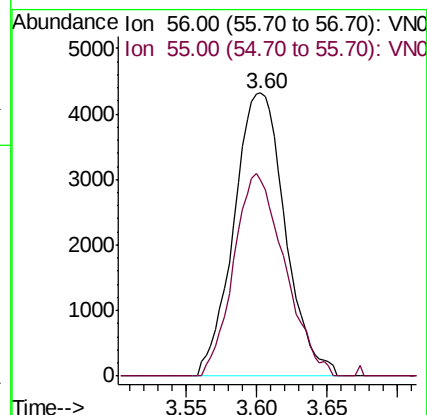
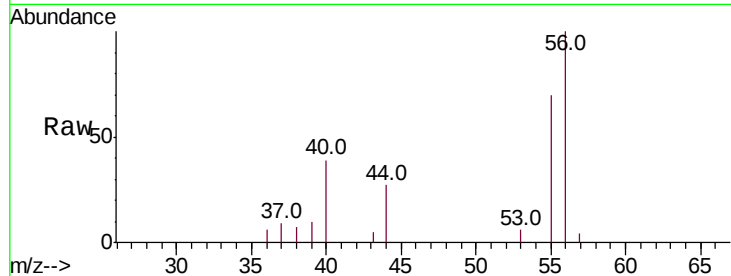
55 71.1 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.797 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

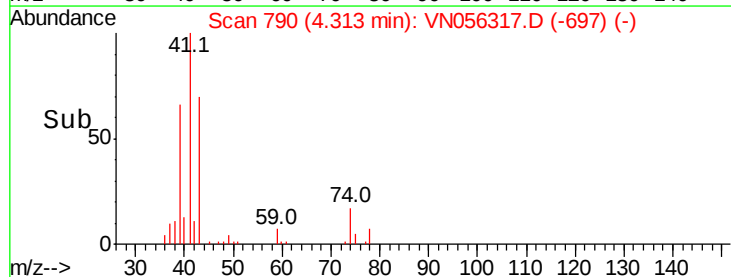
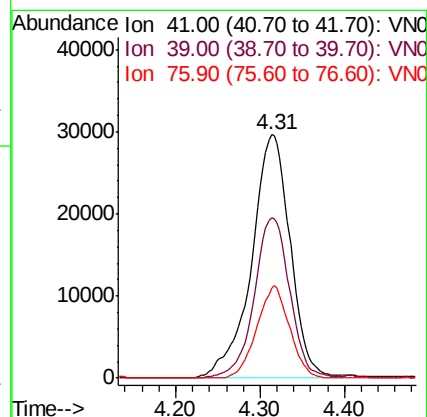
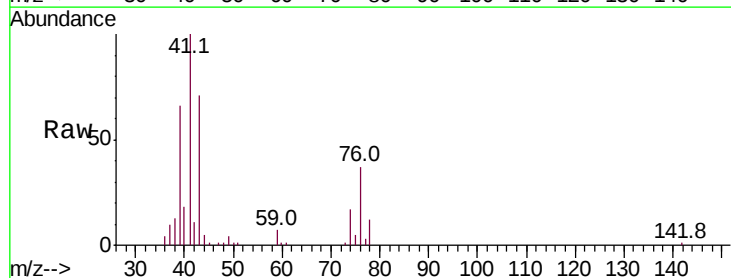
Tgt Ion: 41 Resp: 94663

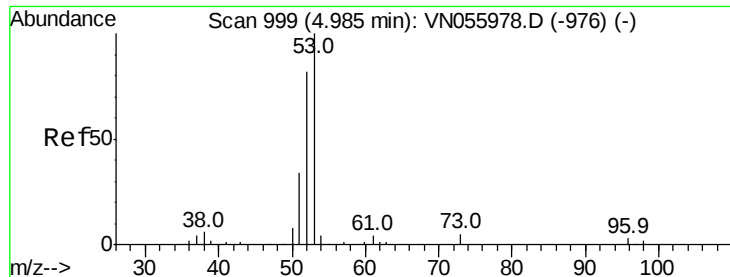
Ion Ratio Lower Upper

41 100

39 60.4 50.0 75.0

76 32.0 28.2 42.2





#15

Acrylonitrile

Concen: 124.078 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

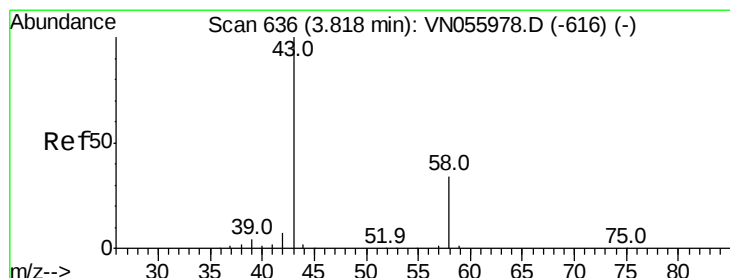
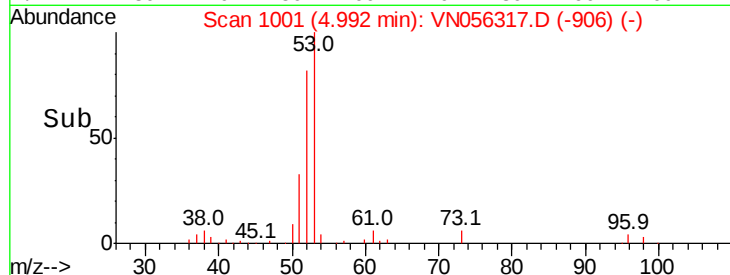
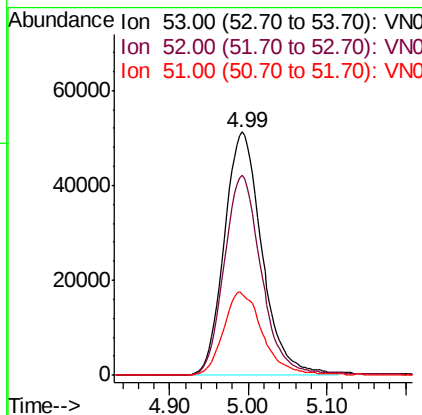
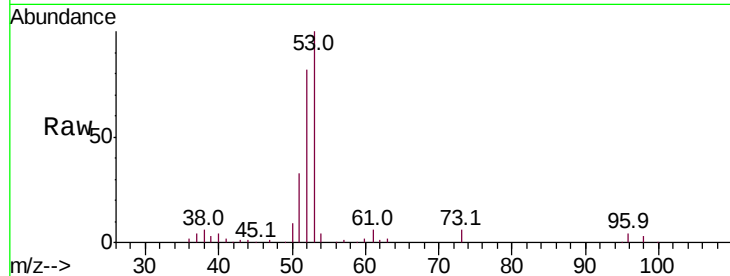
ClientSampleId :

VN0614WBSD02

Tot Ion:	53	Resp:	170982
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.8	98.8
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 96.090 ug/l

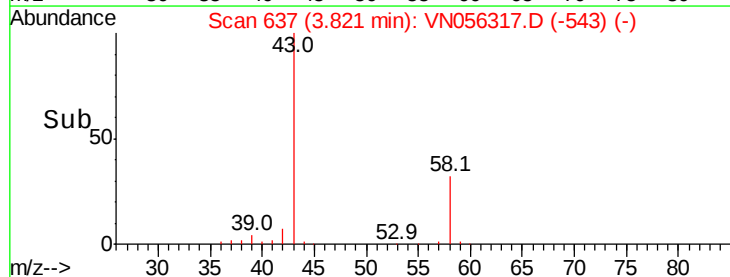
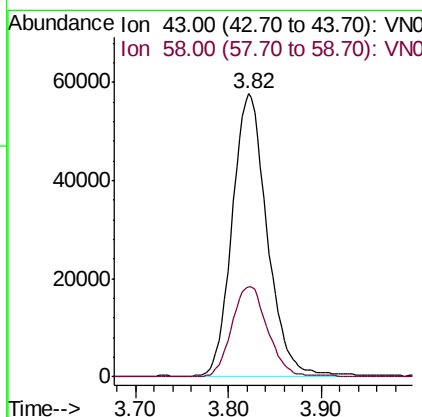
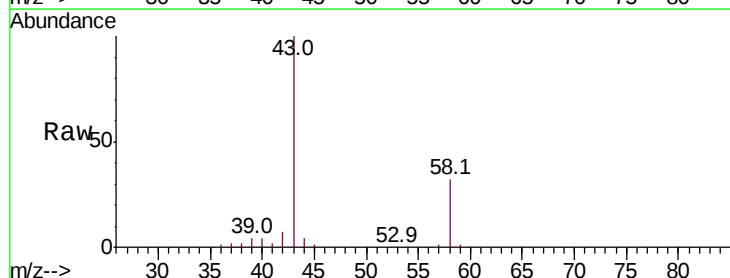
RT: 3.82 min Scan# 637

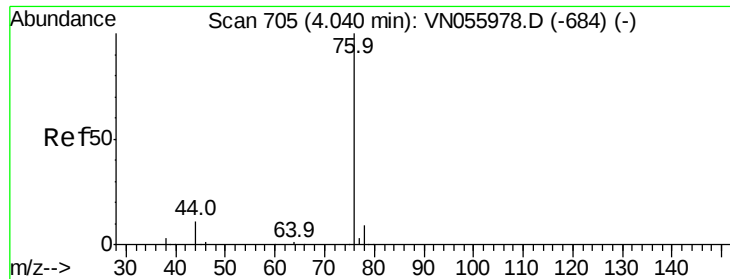
Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion:	43	Resp:	149498
Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.6	39.8





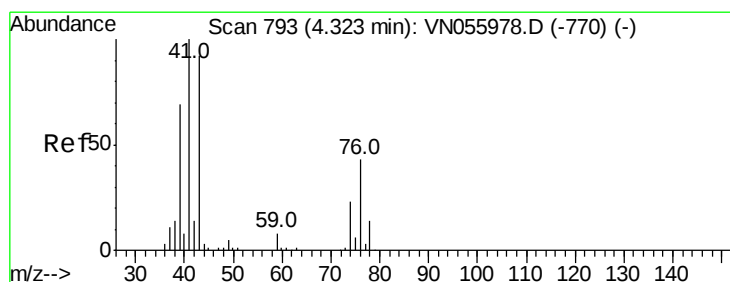
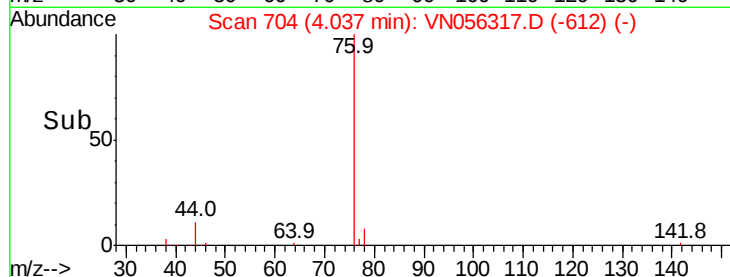
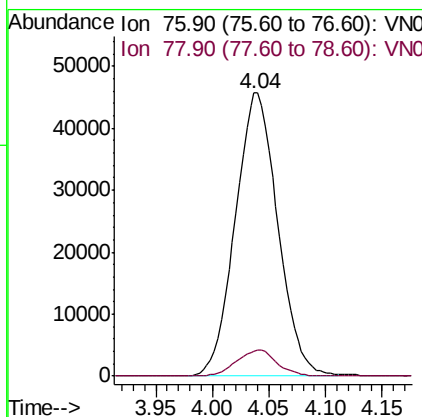
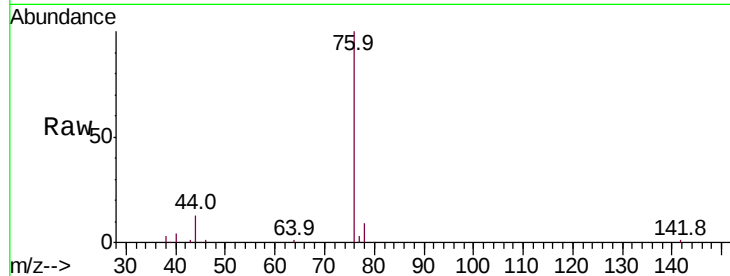
#17
Carbon Disulfide
Concen: 18.124 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

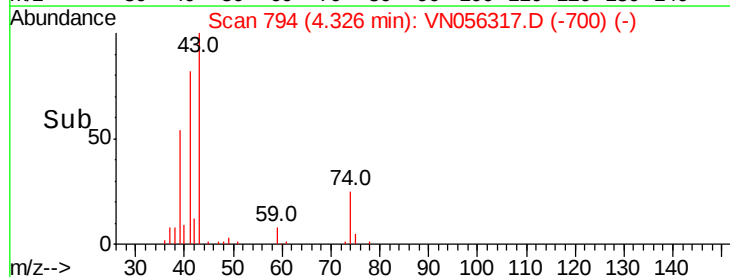
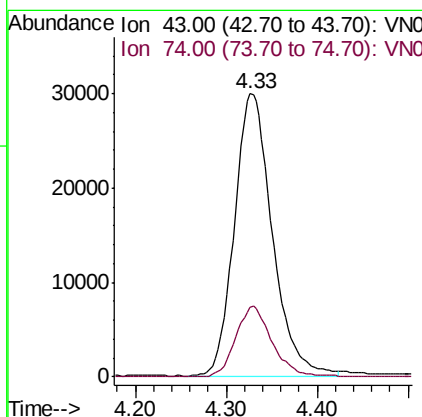
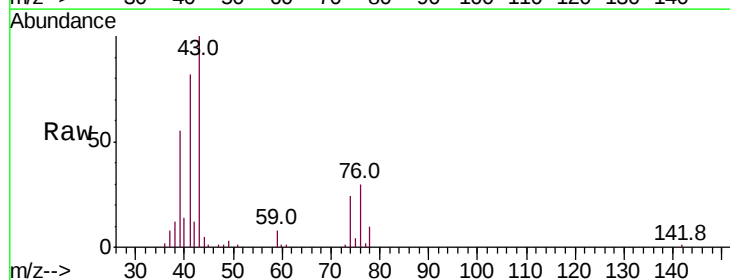
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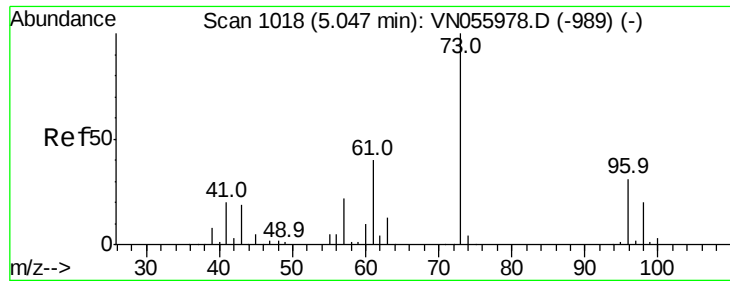
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#18
Methyl Acetate
Concen: 28.305 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.3	28.9





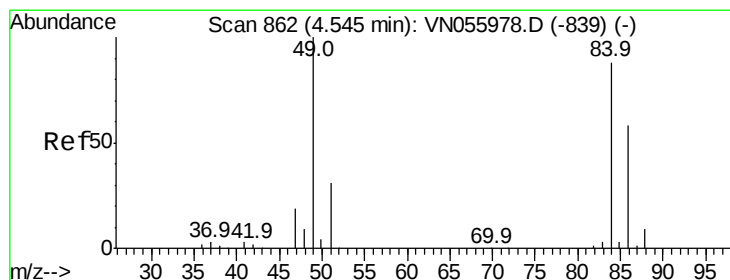
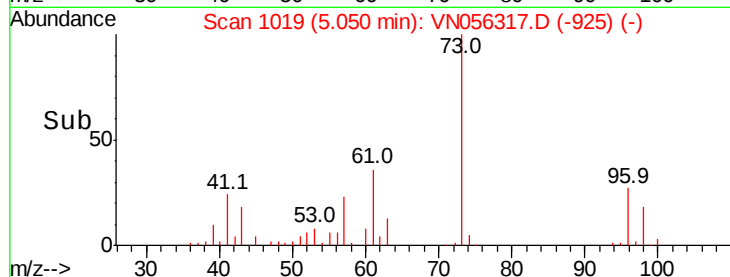
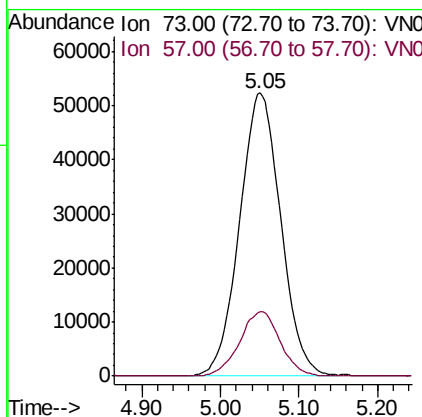
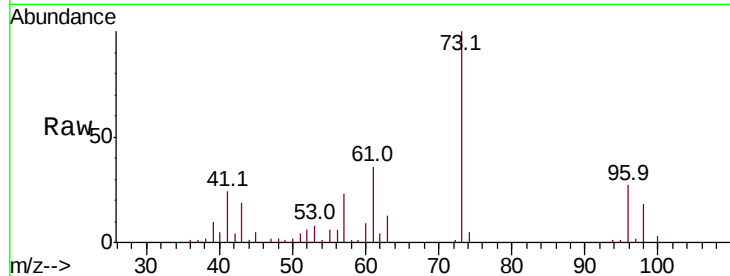
#19
Methvl tert-butvl Ether
Concen: 22.031 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion: 73 Resp: 193139
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.8

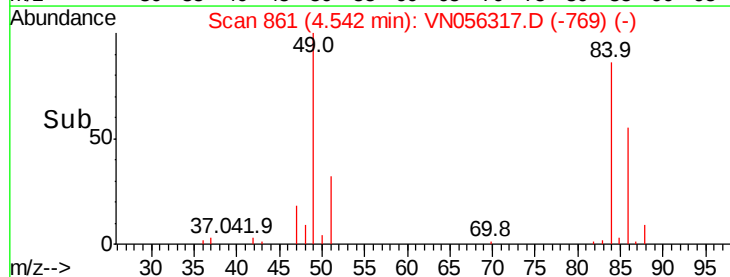
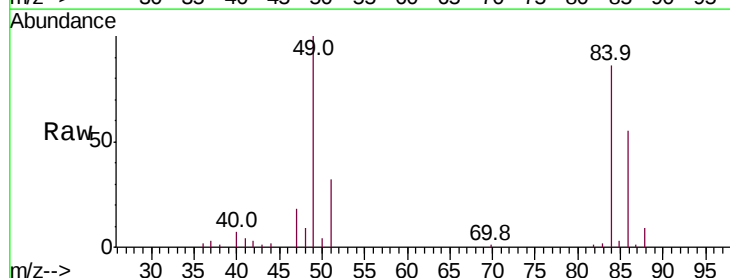
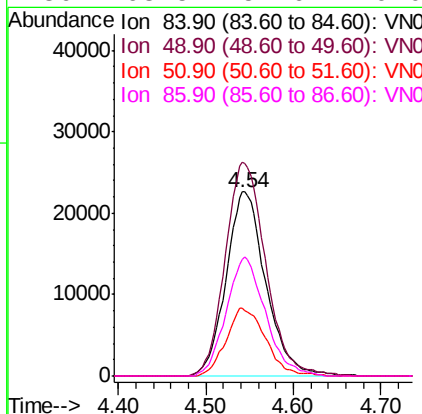
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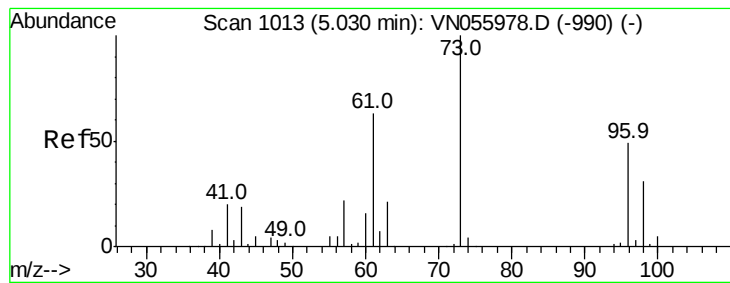
MMDadoda
6/17/2019 9:45:34 AM



#20
Methylene Chloride
Concen: 22.222 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion: 84 Resp: 71230
Ion Ratio Lower Upper
84 100
49 116.2 93.5 140.3
51 36.7 28.6 43.0
86 63.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.691 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion: 96 Resp: 60973

Ion Ratio Lower Upper

96 100

61 134.9 107.8 161.8

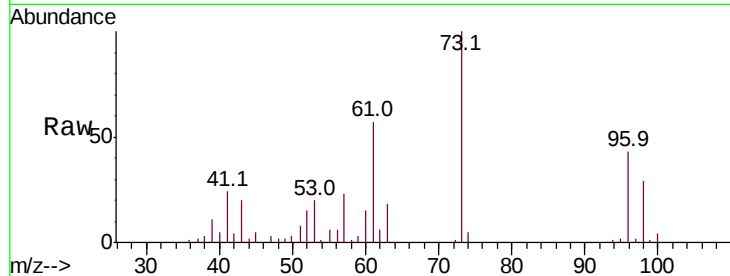
98 66.9 49.8 74.8

Manual Integrations

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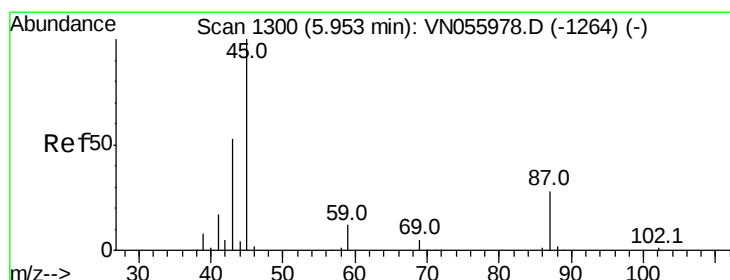
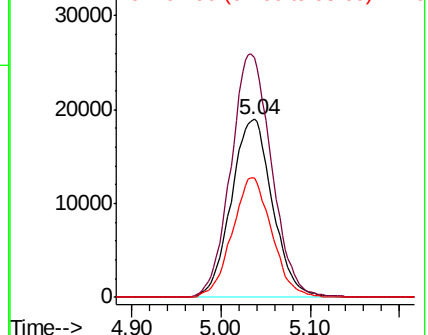
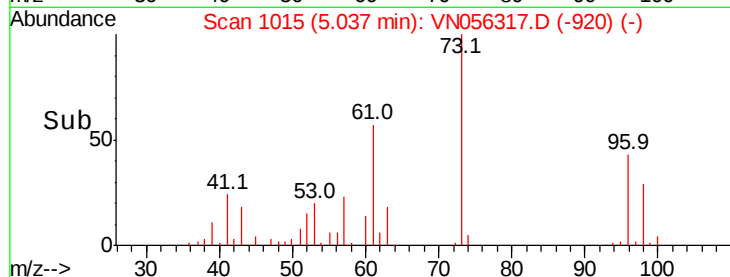
6/17/2019 9:45:34 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.660 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion: 45 Resp: 203428

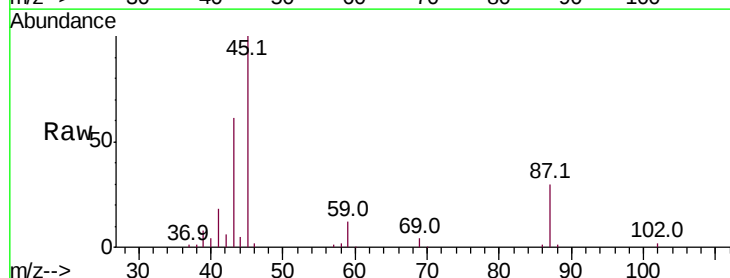
Ion Ratio Lower Upper

45 100

43 58.8 45.0 67.6

87 29.1 22.2 33.4

59 11.1 9.1 13.7

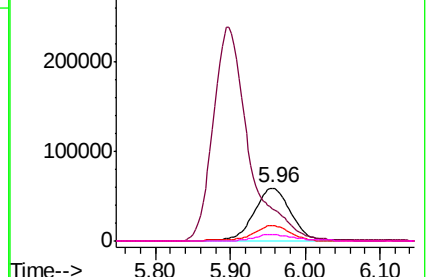
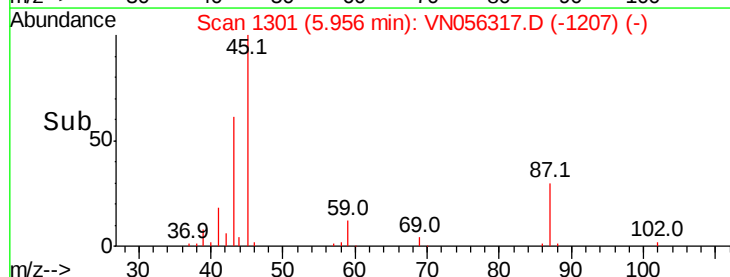


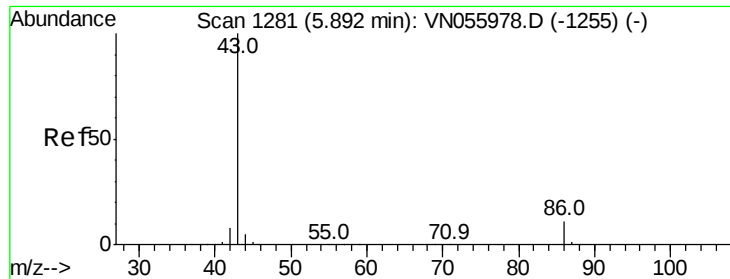
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





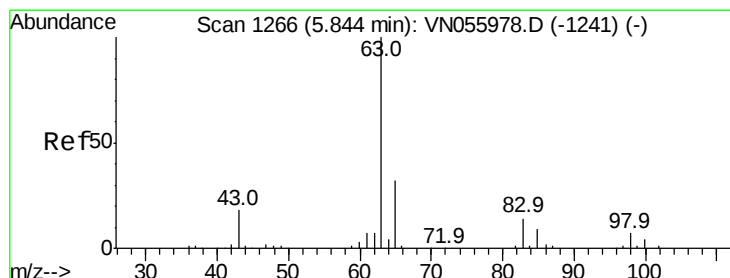
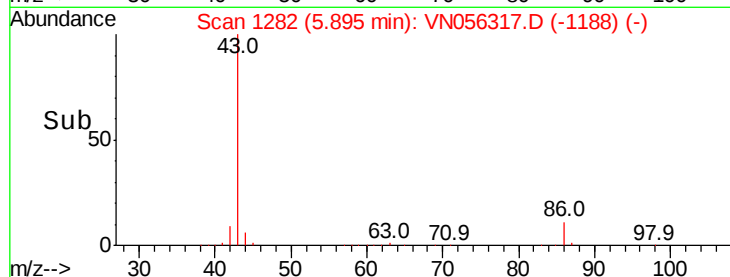
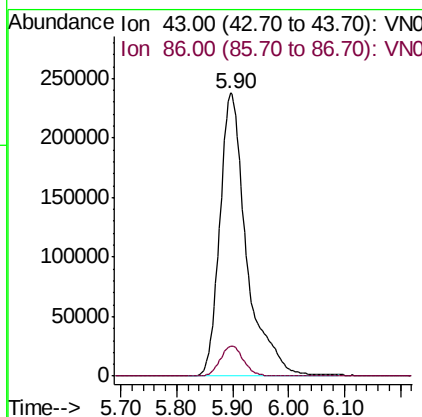
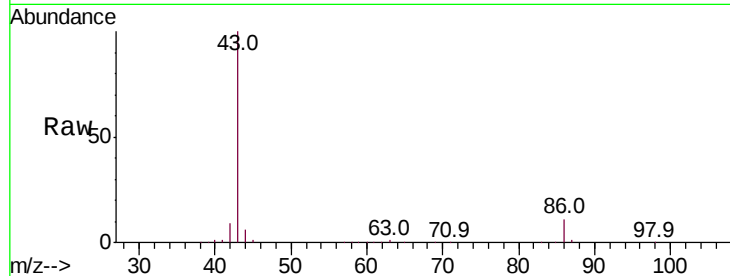
#23
 Vinyl Acetate
 Concen: 112.501 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.6	13.0

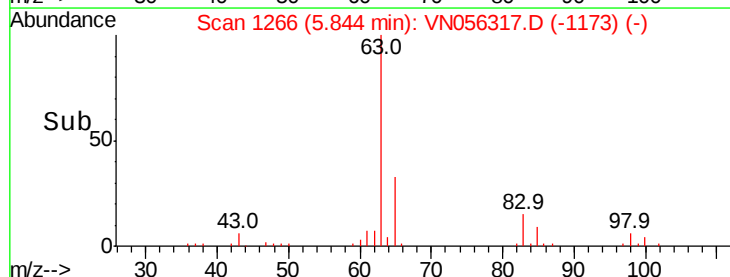
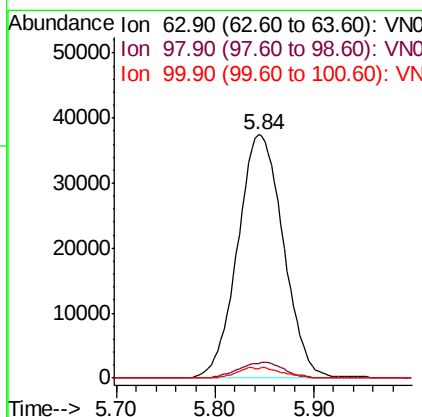
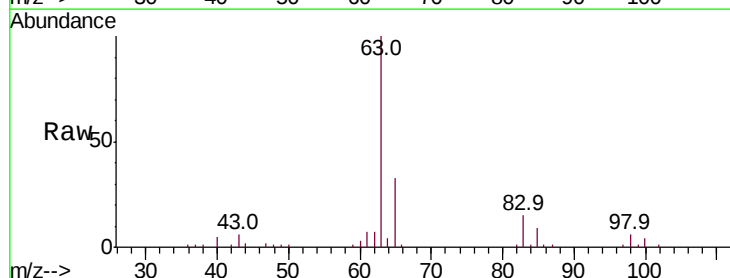
Manual Integrations
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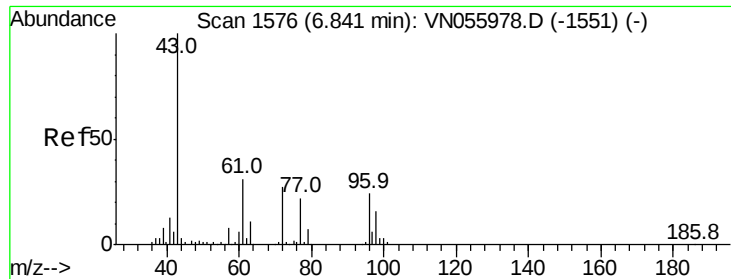
MMDadoda
 6/17/2019 9:45:34 AM



#24
 1,1-Dichloroethane
 Concen: 23.155 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.1
100	4.0	2.2	6.6





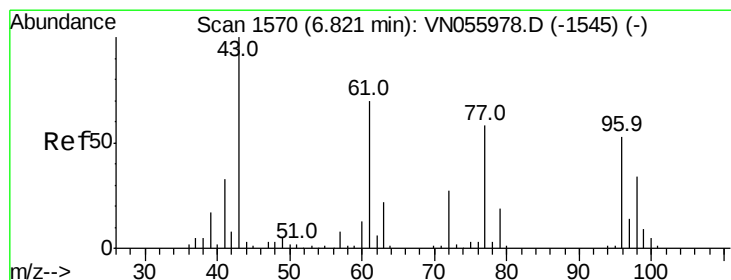
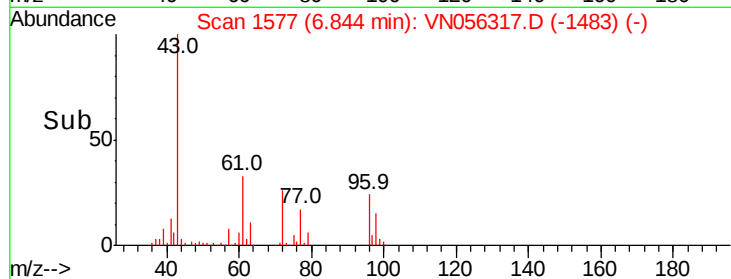
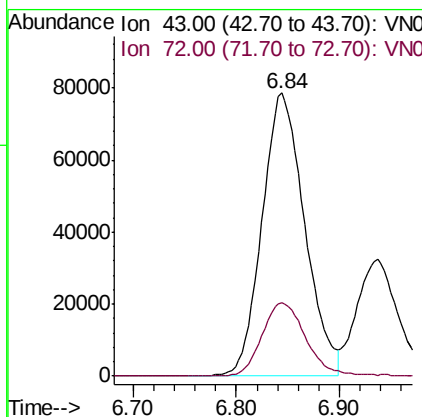
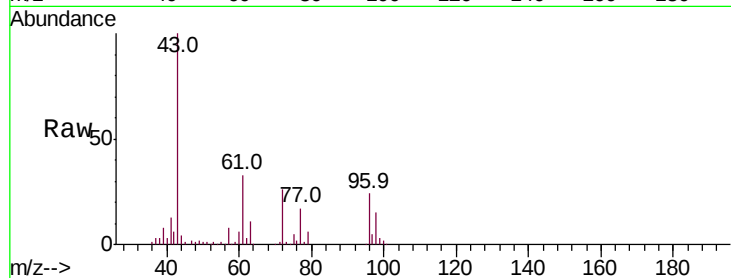
#25
2-Butanone
Concen: 114.091 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion: 43 Resp: 224270
Ion Ratio Lower Upper
43 100
72 26.2 21.9 32.9

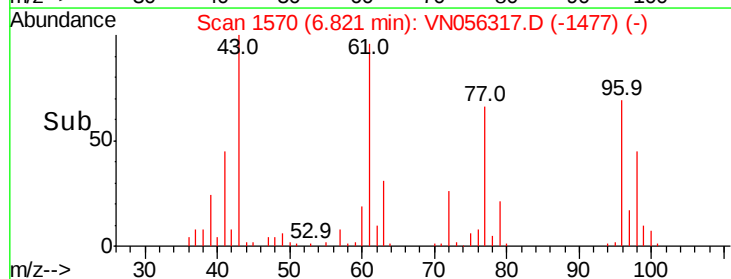
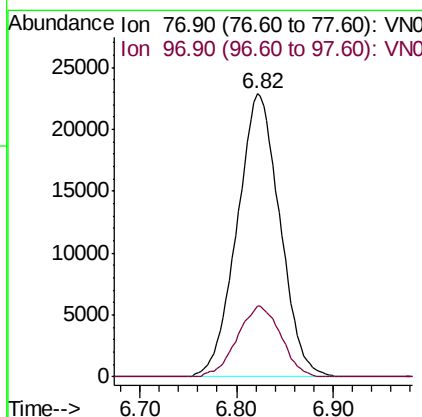
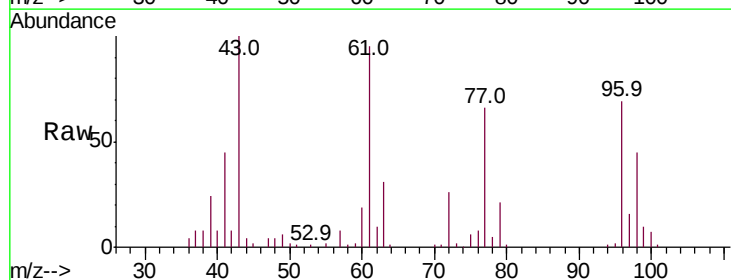
Manual Integrations
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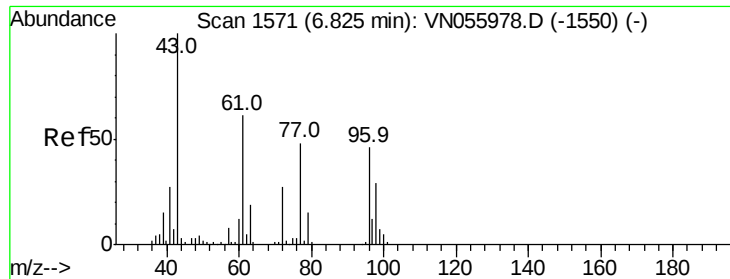
MMDadoda
6/17/2019 9:45:34 AM



#26
2,2-Dichloropropane
Concen: 17.371 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion: 77 Resp: 70194
Ion Ratio Lower Upper
77 100
97 25.6 12.2 36.6





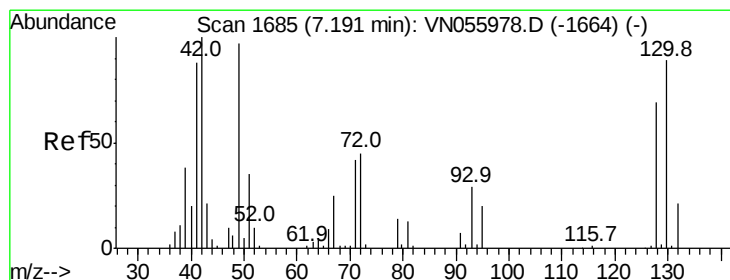
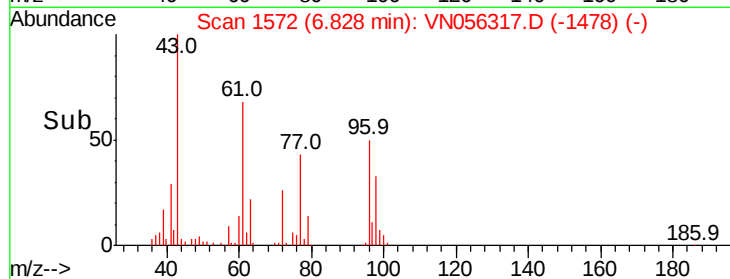
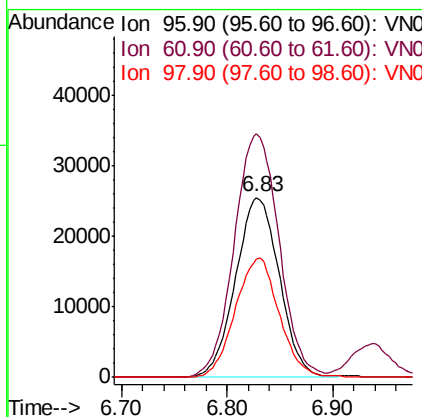
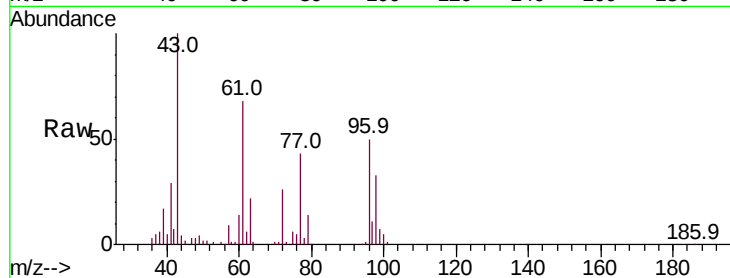
#27
 cis-1,2-Dichloroethene
 Concen: 21.233 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	275.8
98	66.4	0.0	128.4

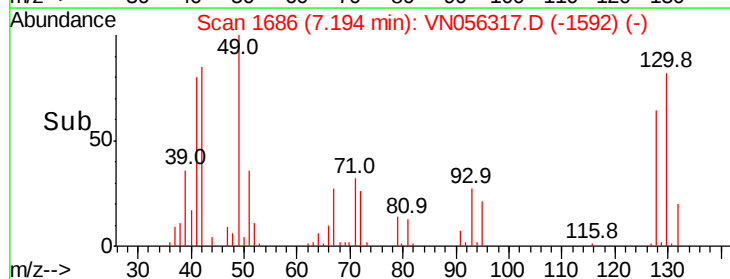
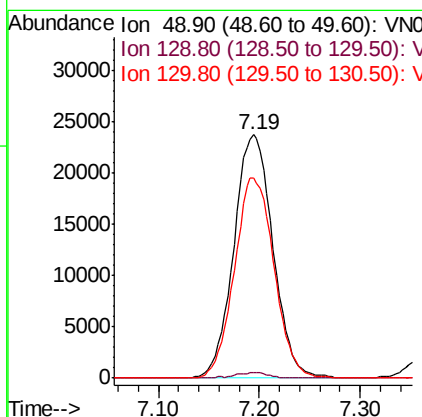
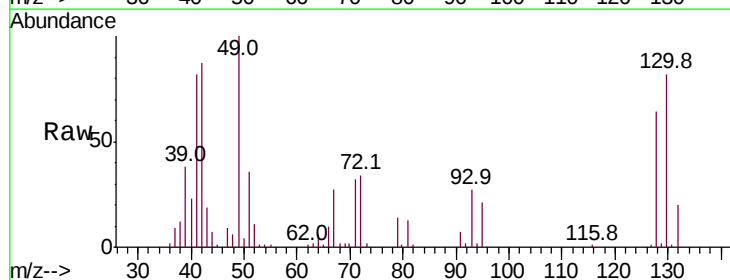
Manual Integrations
 APPROVED

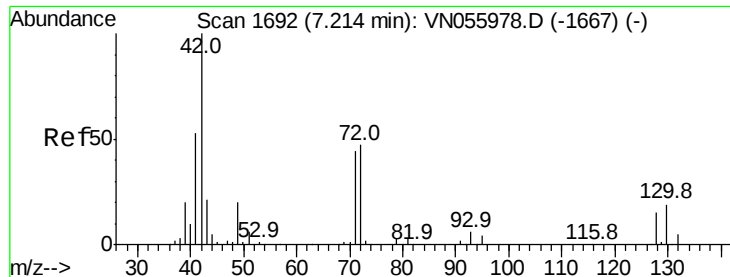
MMDadoda
 6/17/2019 9:45:34 AM



#28
 Bromochloromethane
 Concen: 26.088 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	83.3	71.2	106.8





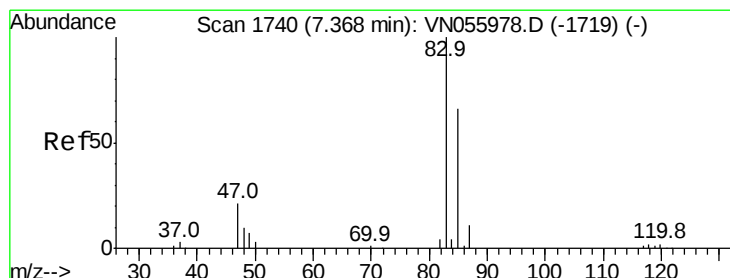
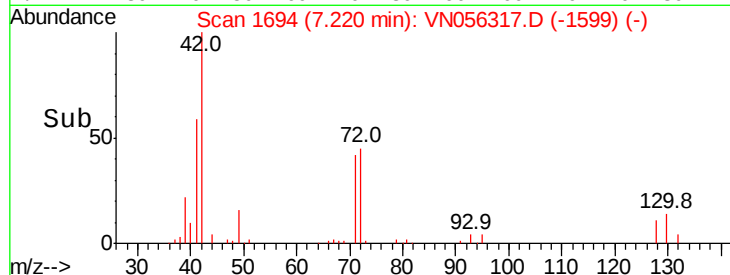
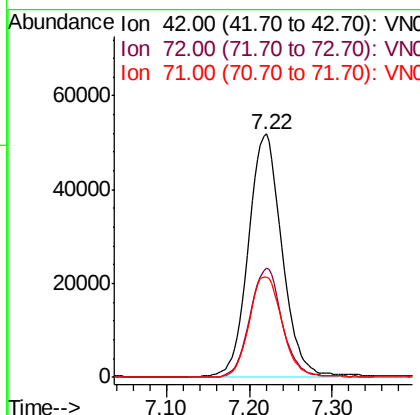
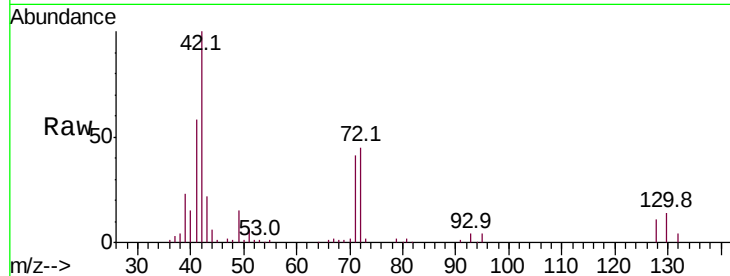
#29
Tetrahydrofuran
Concen: 121.007 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion:	42	Resp:	147033
Ion Ratio	Lower	Upper	
42	100		
72	42.8	35.9	53.9
71	40.6	34.0	51.0

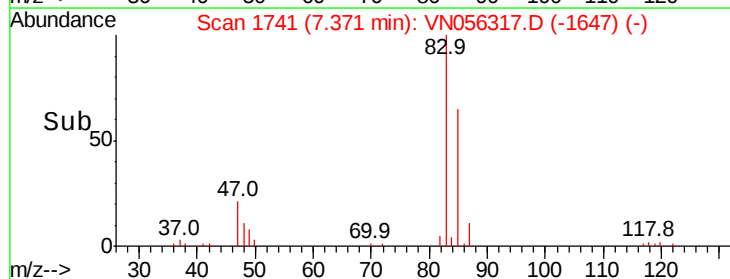
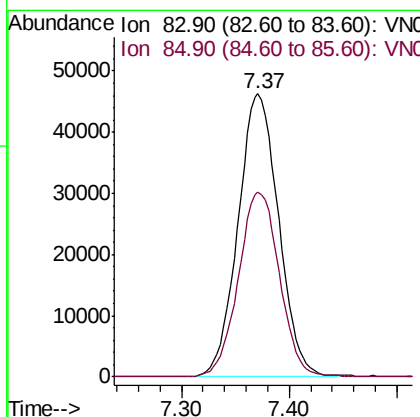
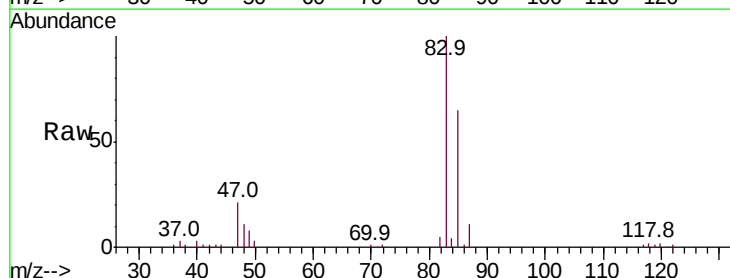
Manual Integrations
APPROVED

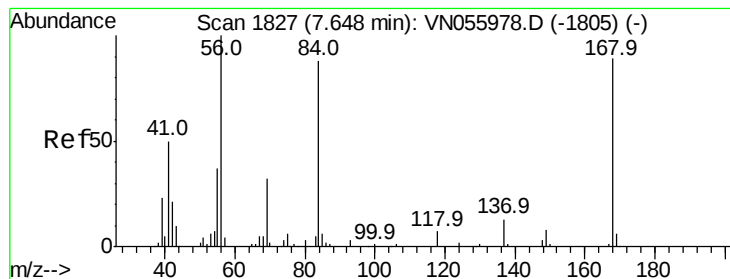
MMDadoda
6/17/2019 9:45:34 AM



#30
Chloroform
Concen: 23.242 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion:	83	Resp:	121076
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.8	77.8





#31

Cyclohexane

Concen: 19.721 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion: 56 Resp: 101794

Ion Ratio Lower Upper

56 100

69 35.5 25.6 38.4

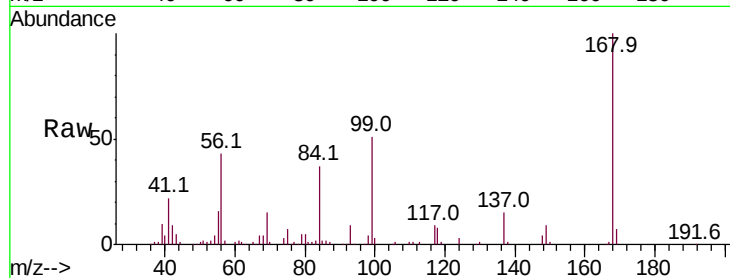
84 87.2 67.4 101.0

Manual Integrations

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MMDadoda

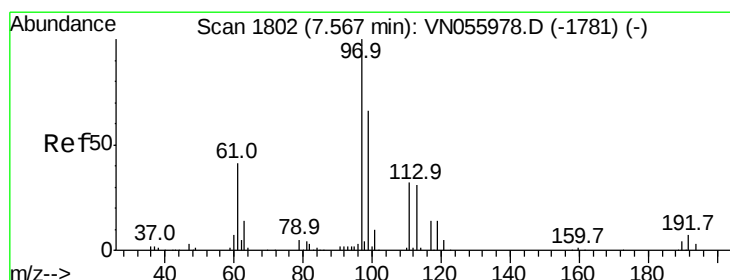
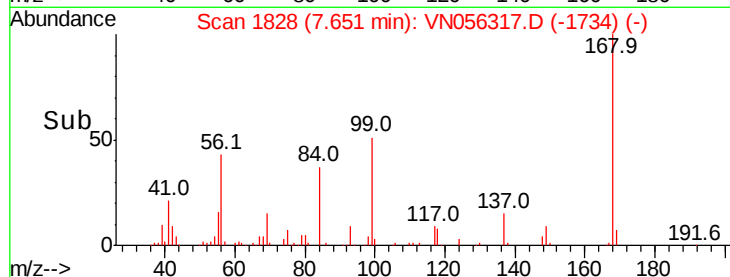
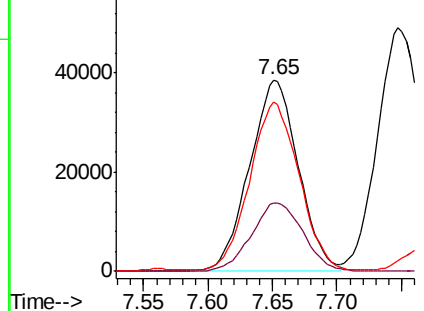
6/17/2019 9:45:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.818 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

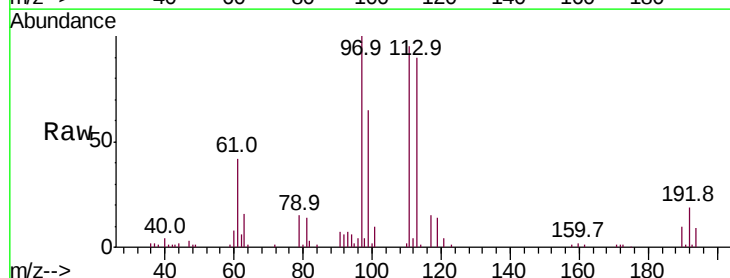
Tgt Ion: 97 Resp: 94914

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

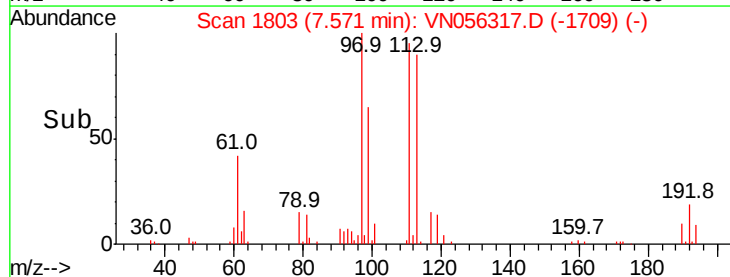
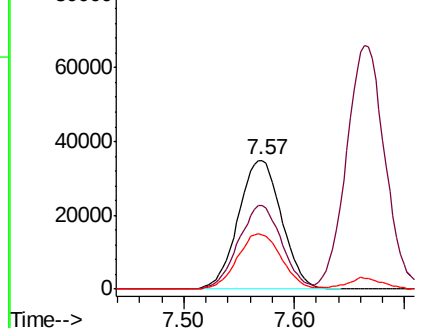
61 43.6 32.9 49.3

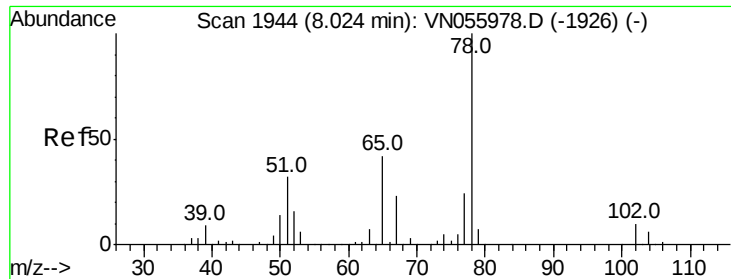


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





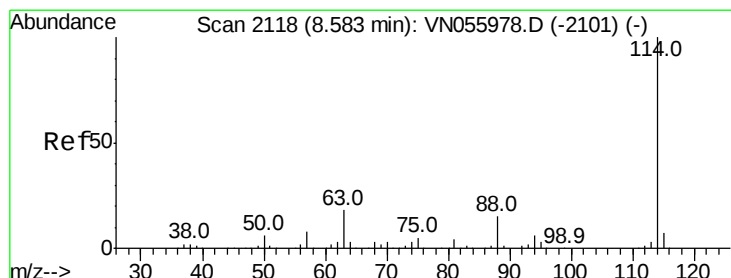
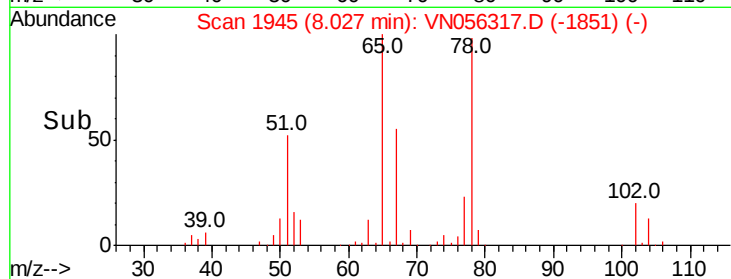
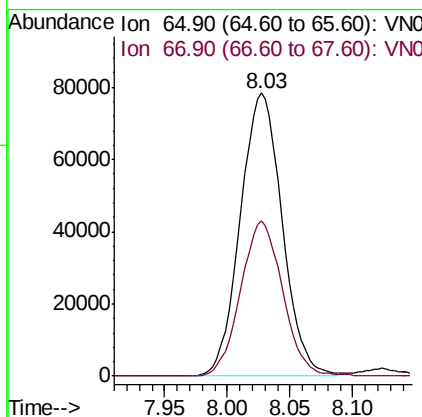
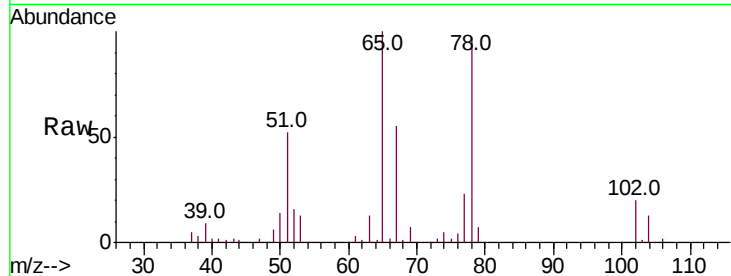
#33
 1,2-Dichloroethane-d4
 Concen: 56.006 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	109.2	

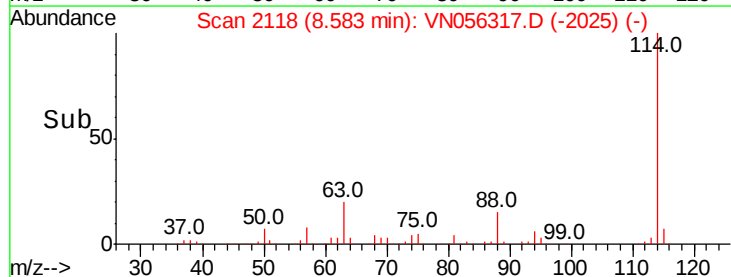
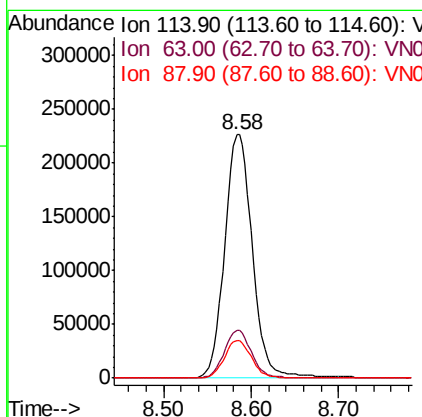
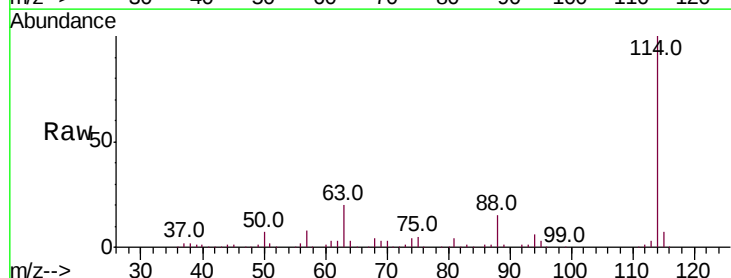
Manual Integrations
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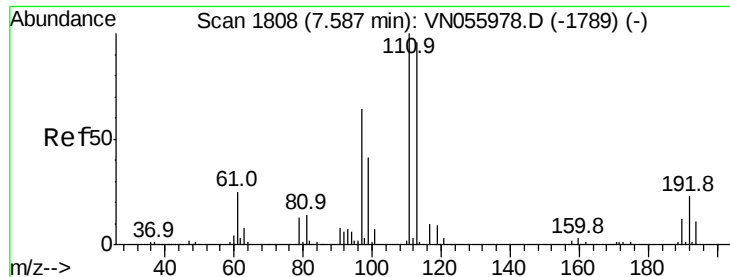
MMDadoda
 6/17/2019 9:45:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.2	
88	15.5	0.0	31.0	





#35

Dibromofluoromethane

Concen: 52.611 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

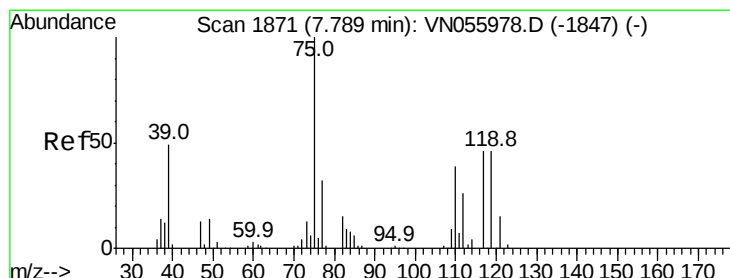
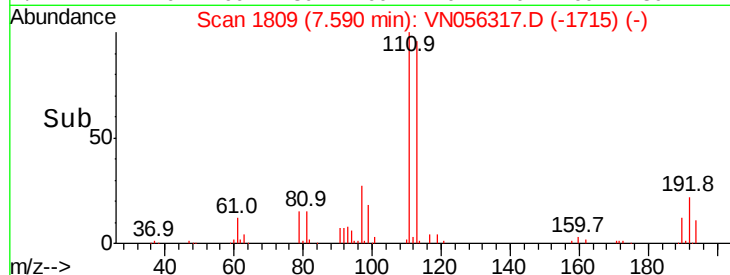
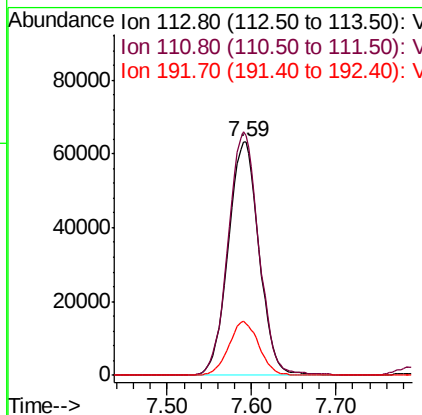
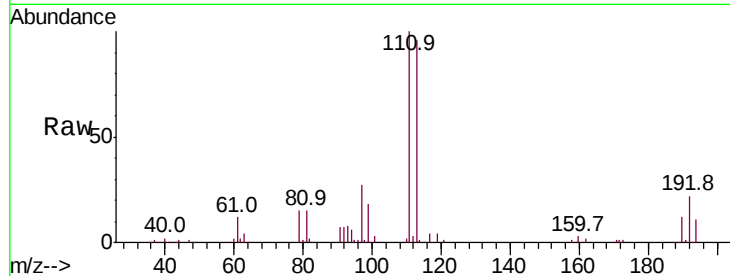
ClientSampleId :

VN0614WBSD02

Tot Ion:	113	Resp:	160761
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.9	122.9
192	22.6	19.5	29.3

Manual Integrations
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MMDadoda
6/17/2019 9:45:34 AM



#36

1,1-Dichloropropene

Concen: 19.110 ug/l

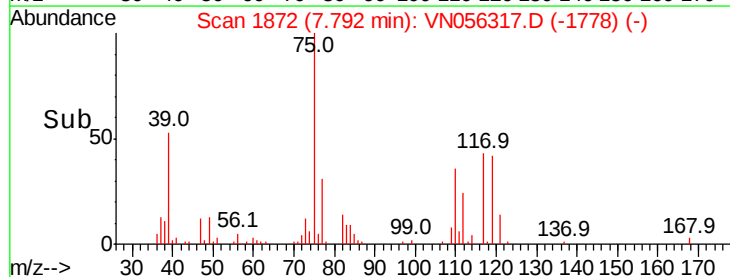
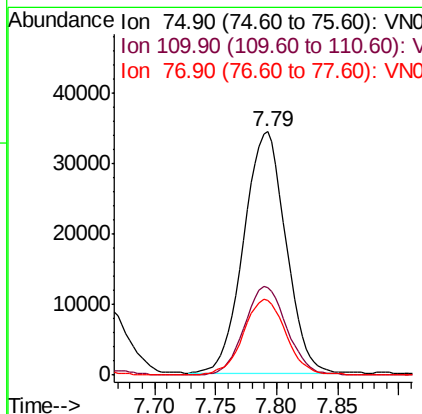
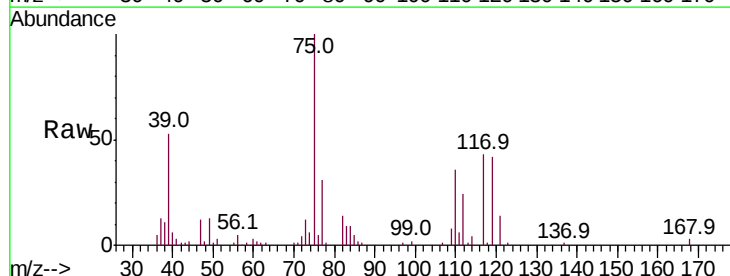
RT: 7.79 min Scan# 1872

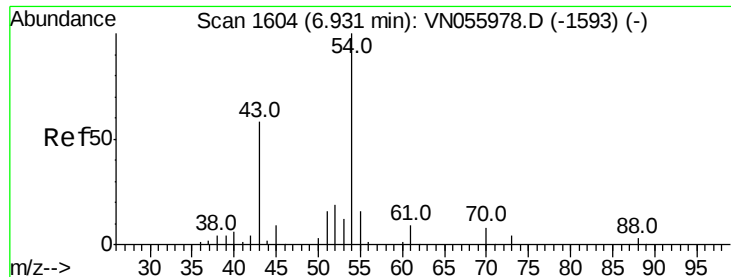
Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion:	75	Resp:	81836
Ion Ratio	Lower	Upper	
75	100		
110	36.7	19.0	57.0
77	31.6	25.1	37.7





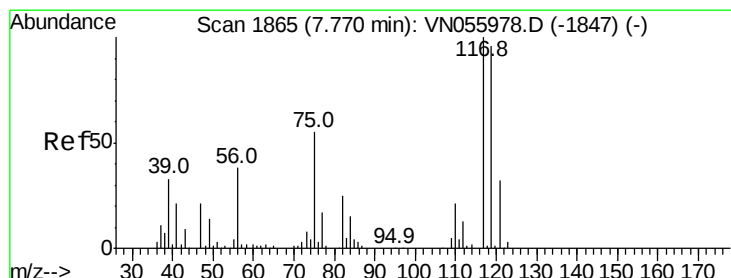
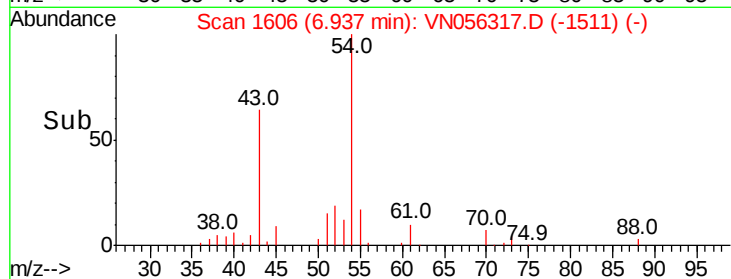
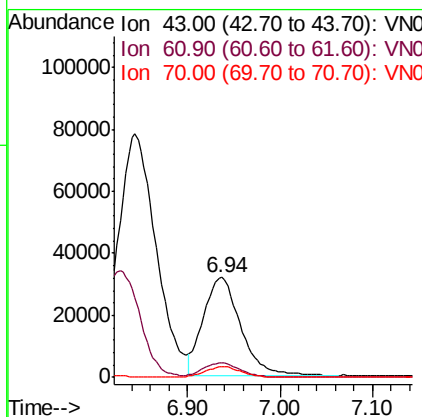
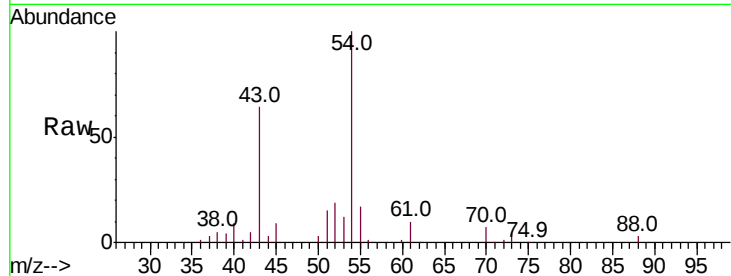
#37
Ethyl Acetate
Concen: 23.429 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion: 43 Resp: 89273
Ion Ratio Lower Upper
43 100
61 14.8 12.2 18.2
70 10.5 8.9 13.3

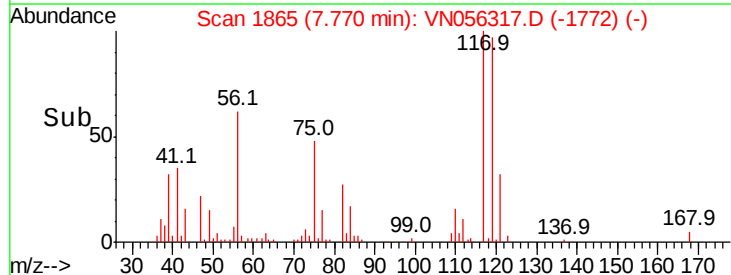
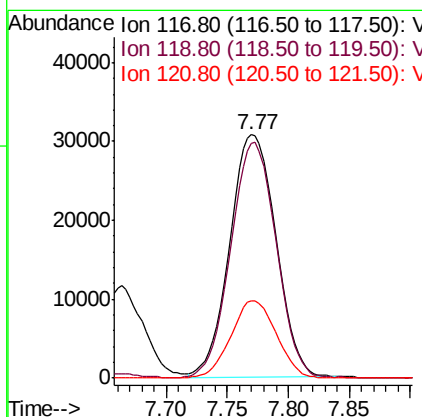
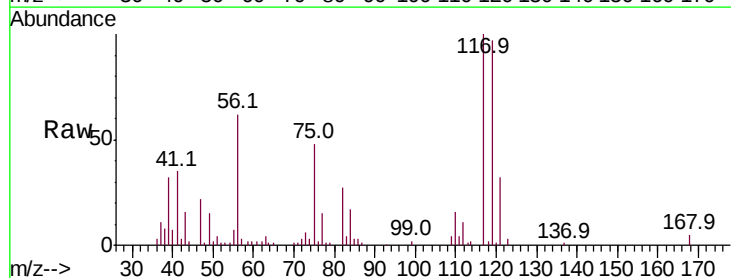
Manual Integrations
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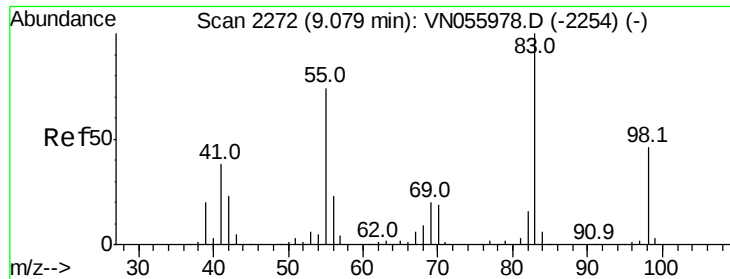
MMDadoda
6/17/2019 9:45:34 AM



#38
Carbon Tetrachloride
Concen: 20.485 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion: 117 Resp: 80878
Ion Ratio Lower Upper
117 100
119 96.7 79.0 118.6
121 32.0 24.7 37.1





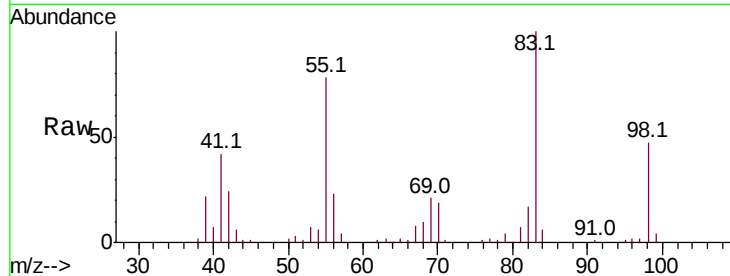
#39
Methvlcvclohexane
Concen: 17.543 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	59.3	88.9
98	46.7	36.6	54.8

Manual Integrations
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MMDadoda
6/17/2019 9:45:34 AM

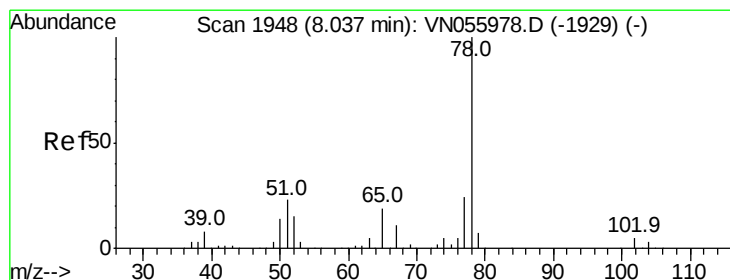
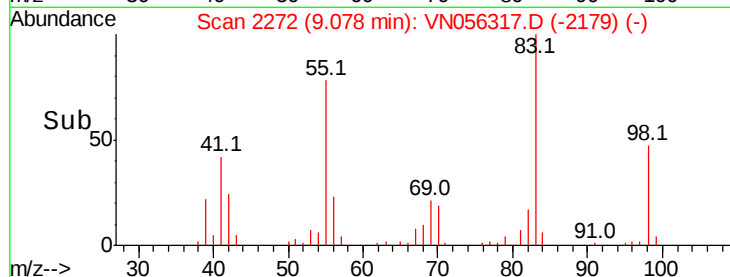
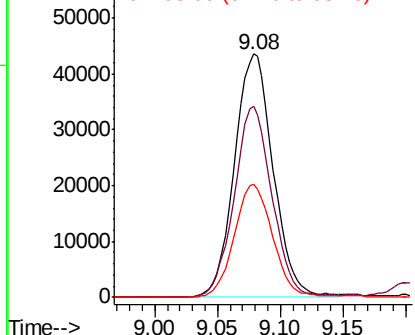


Abundance

Ion 83.00 (82.70 to 83.70): VNC

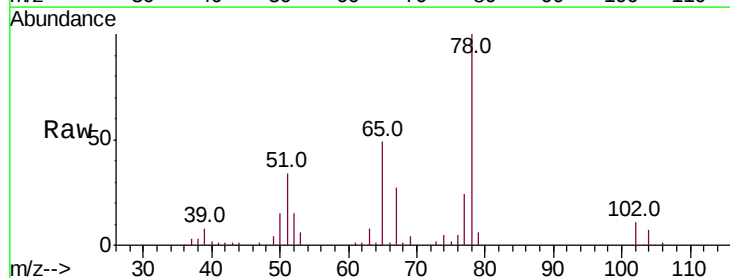
Ion 55.00 (54.70 to 55.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#40
Benzene
Concen: 20.427 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

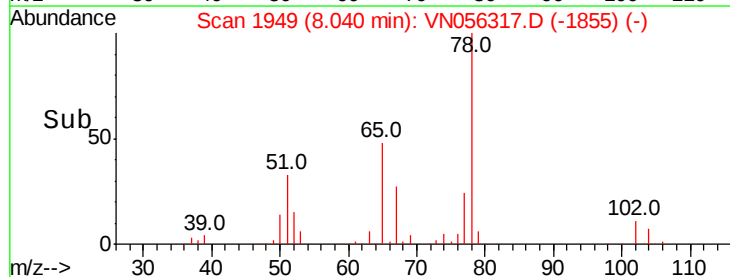
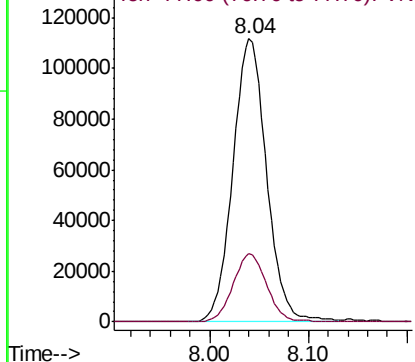
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

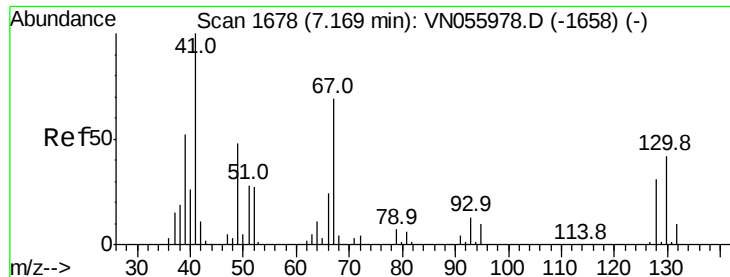


Abundance

Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC





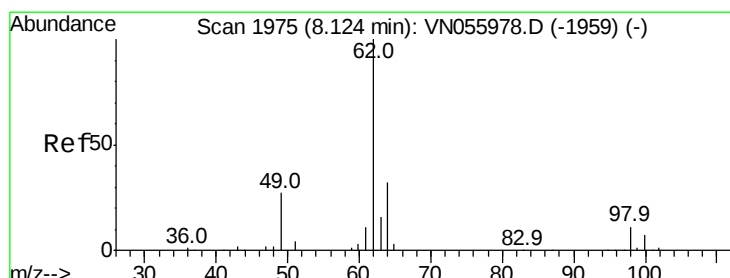
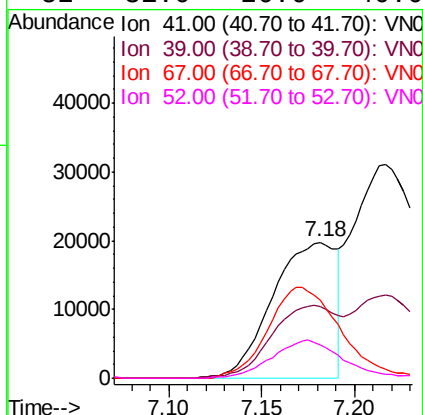
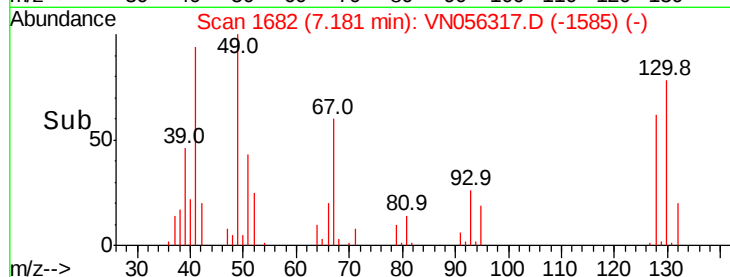
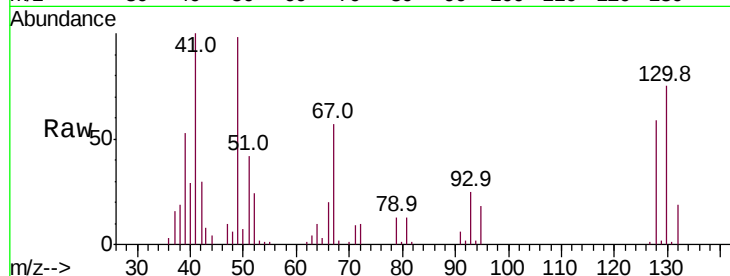
#41
Methacrylonitrile
Concen: 27.058 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion:	41	Resp:	47437
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.6	68.4
67	75.5	67.7	101.5
52	31.0	26.6	40.0

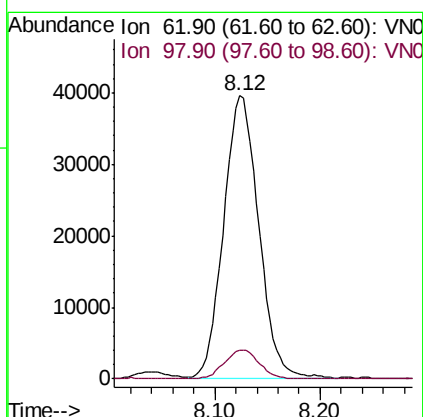
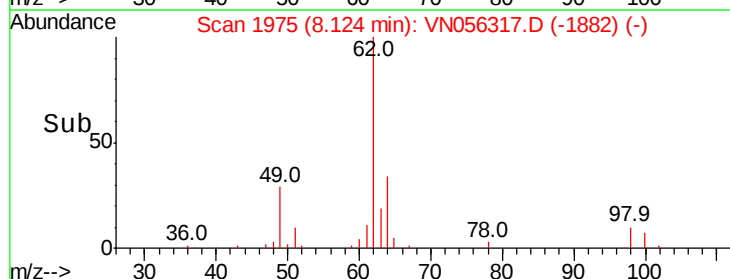
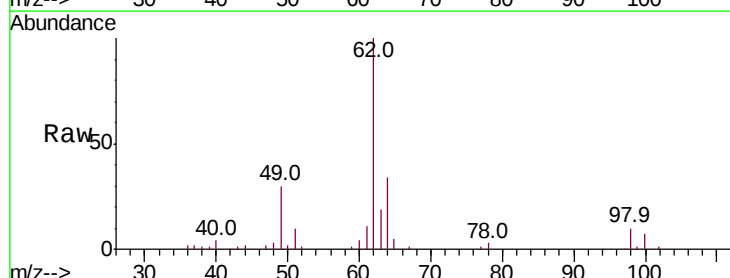
Manual Integrations
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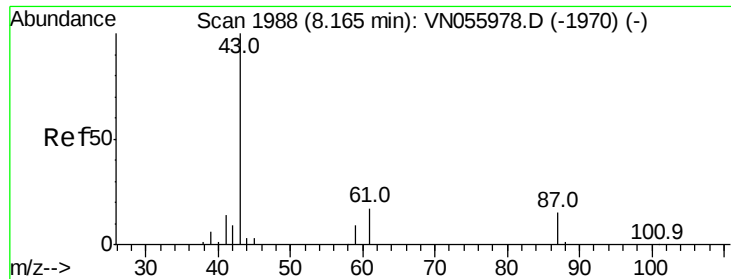
MMDadoda
6/17/2019 9:45:34 AM



#42
1,2-Dichloroethane
Concen: 21.707 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion:	62	Resp:	90819
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.350 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

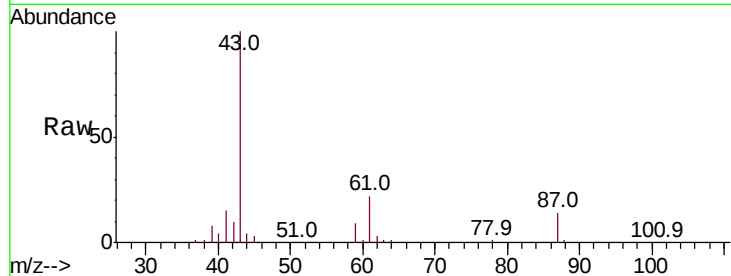
ClientSampleId :

VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	22.2	33.4#
87	14.0	11.4	17.2

Manual Integrations
APPROVED

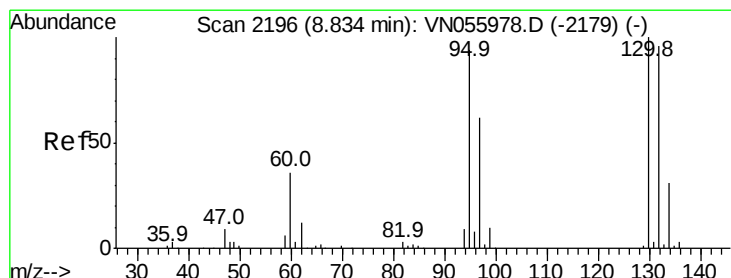
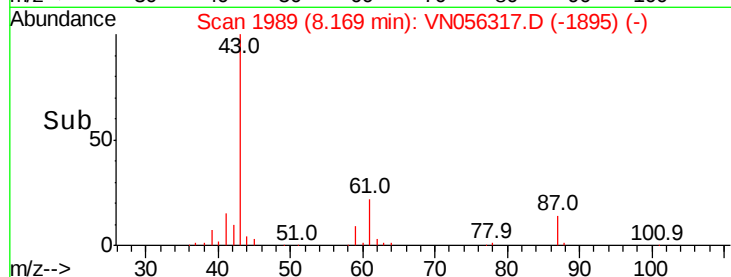
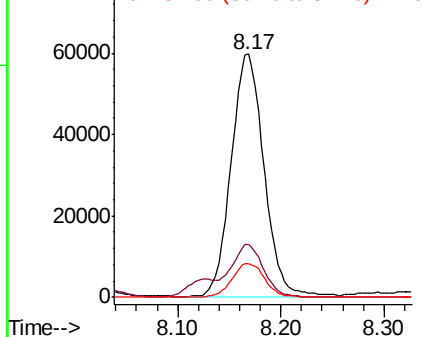
MMDadoda
6/17/2019 9:45:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 19.489 ug/l

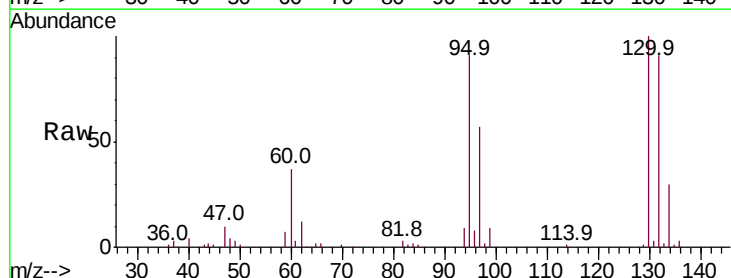
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056317.D

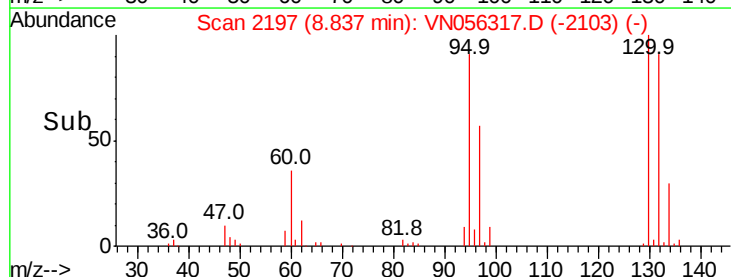
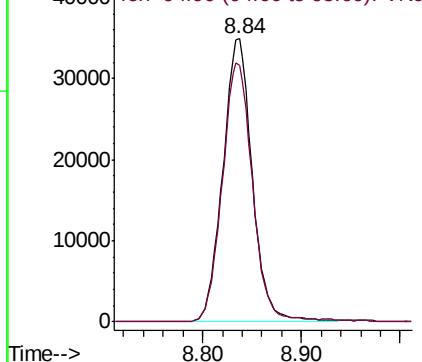
Acq: 14 Jun 2019 17:14

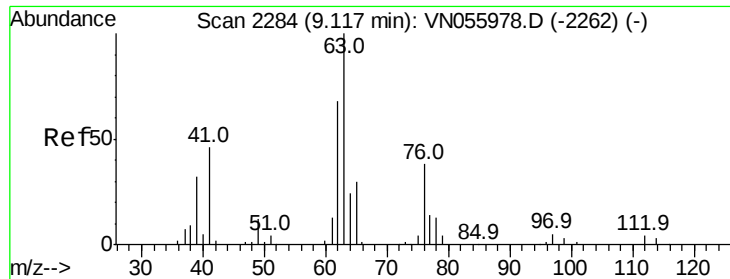
Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





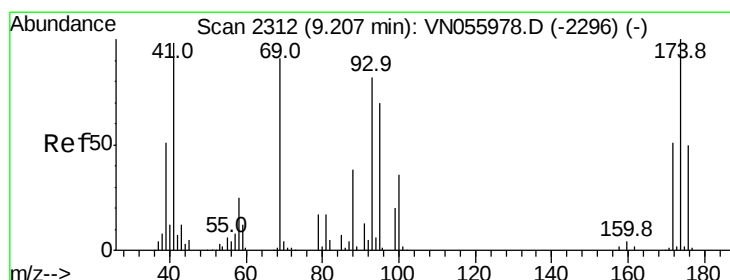
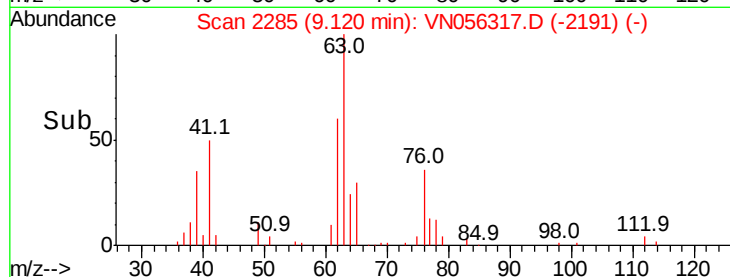
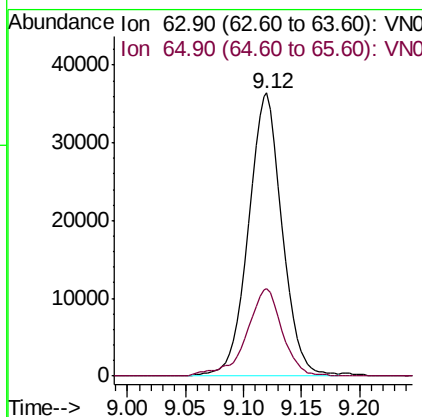
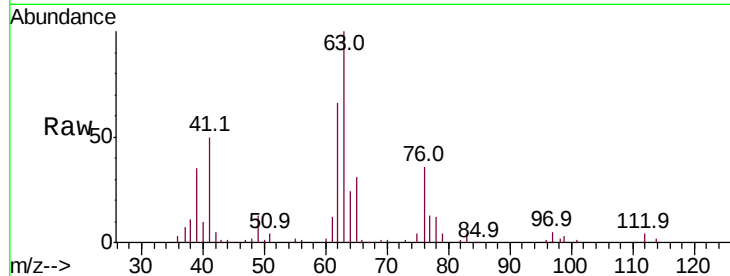
#45
 1,2-Dichloropropane
 Concen: 22.116 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion: 63 Resp: 73683
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8

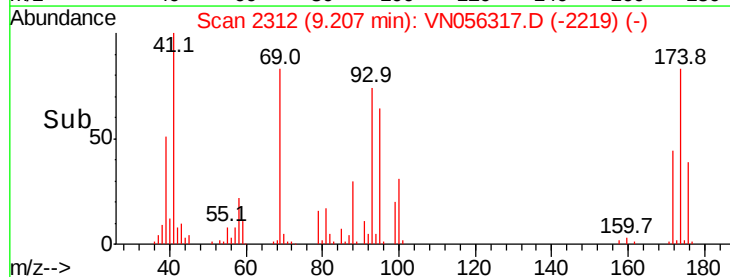
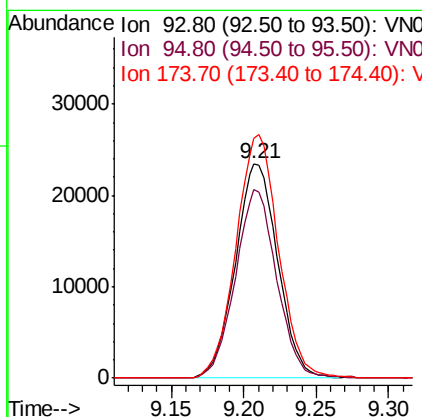
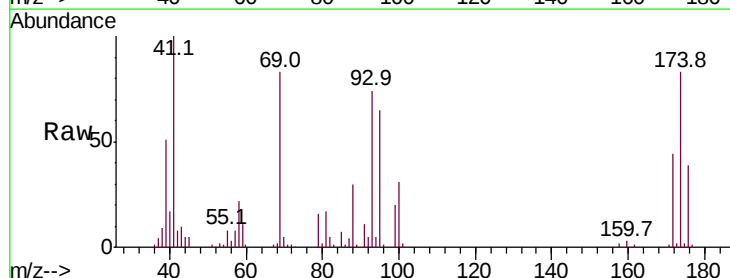
Manual Integrations
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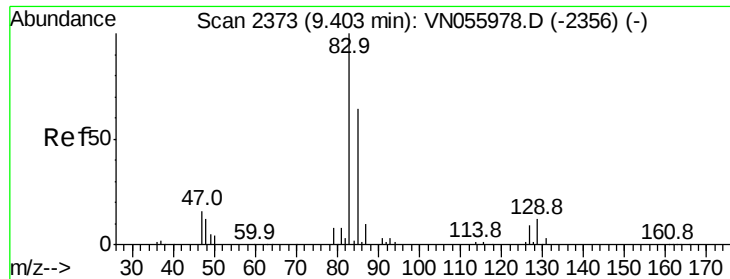
MMDadoda
 6/17/2019 9:45:34 AM



#46
 Dibromomethane
 Concen: 21.852 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion: 93 Resp: 47607
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.7 100.1
 174 114.4 96.4 144.6





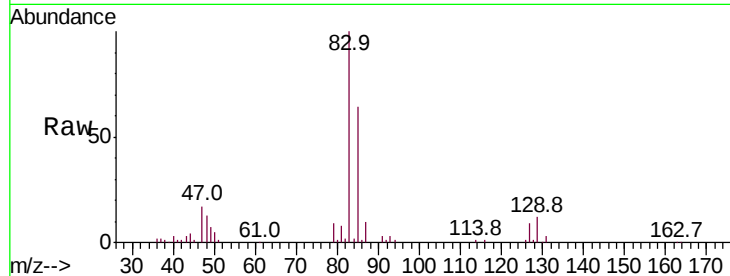
#47
Bromodichloromethane
Concen: 22.846 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

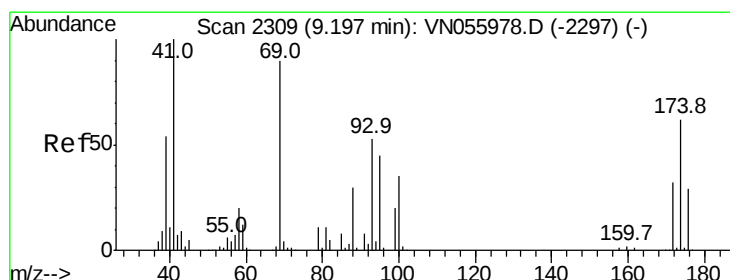
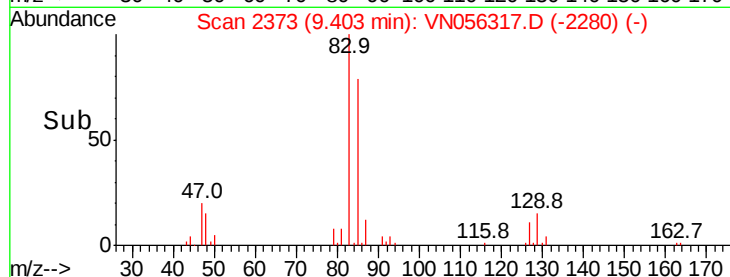
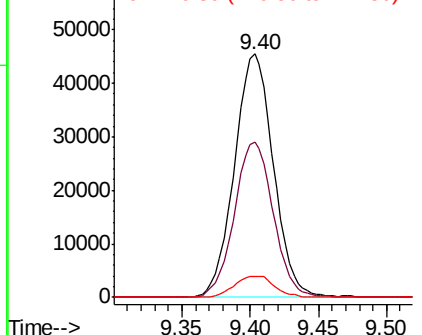
Tot Ion	83	Resp	90210
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	52.2	78.2
127	8.7	7.4	11.0

Manual Integrations
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MMDadoda
6/17/2019 9:45:34 AM

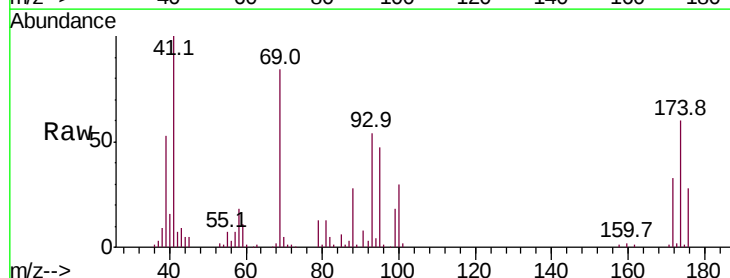


Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-2356) (-)

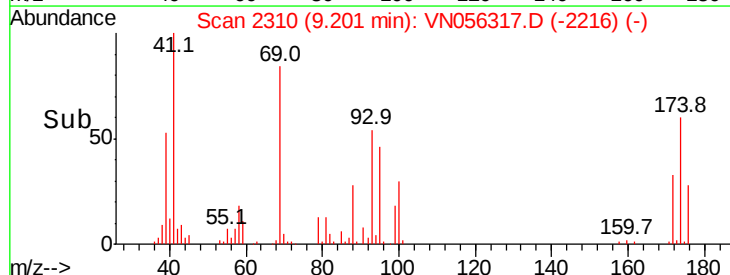
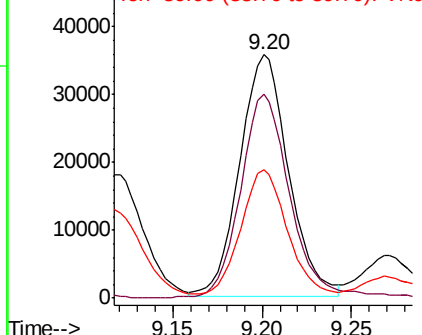


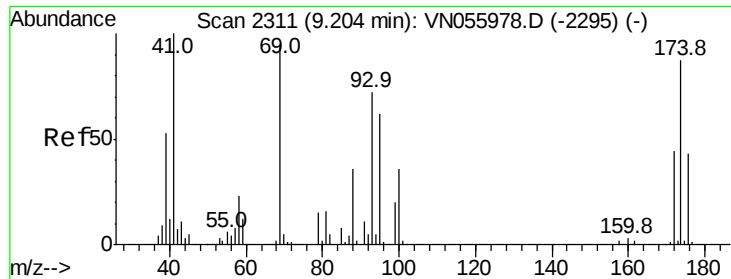
#48
Methyl methacrylate
Concen: 22.632 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion	41	Resp	68365
Ion Ratio	100	Lower	Upper
41	100		
69	86.1	71.0	106.6
39	51.0	44.2	66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-2297) (-)





#49

1,4-Dioxane

Concen: 394.357 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

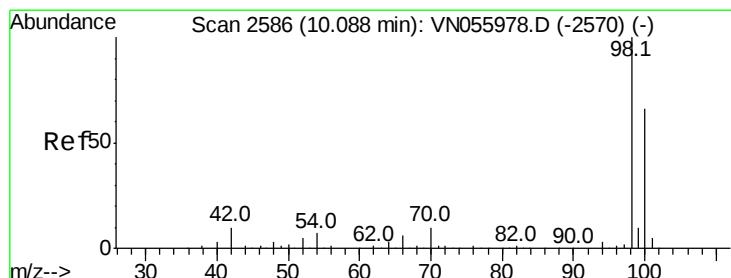
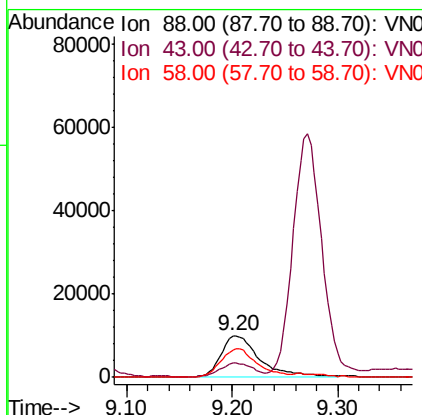
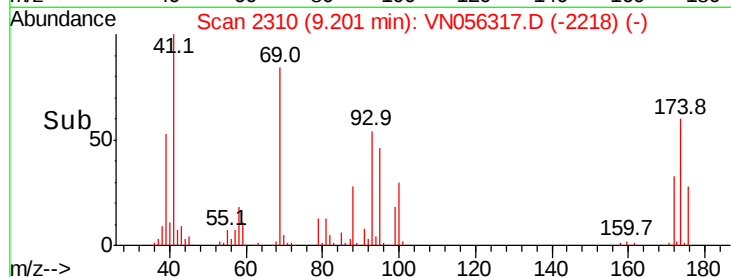
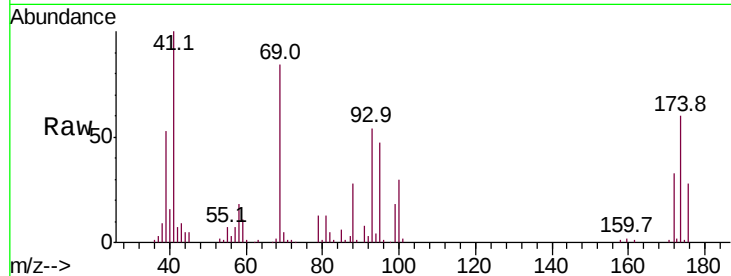
ClientSampleId :

VN0614WBSD02

Tot Ion:	88	Resp:	25718
Ion	Ratio	Lower	Upper
88	100		
43	26.7	20.5	30.7
58	63.1	55.8	83.6

Manual Integrations
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#50

Toluene-d8

Concen: 49.280 ug/l

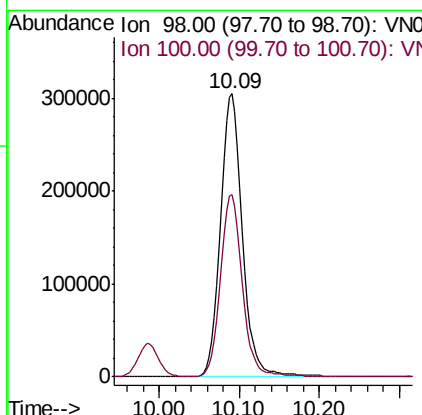
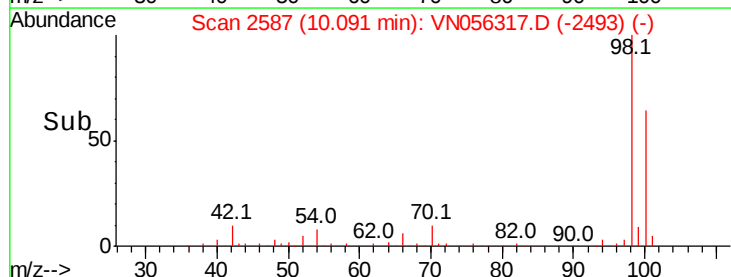
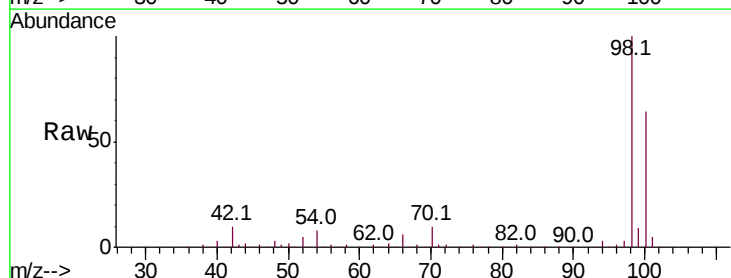
RT: 10.09 min Scan# 2587

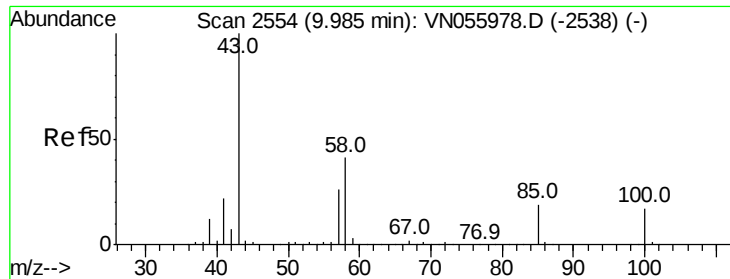
Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion:	98	Resp:	579447
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 111.668 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tot Ion: 43 Resp: 431181

Ion Ratio Lower Upper

43 100

58 39.5 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

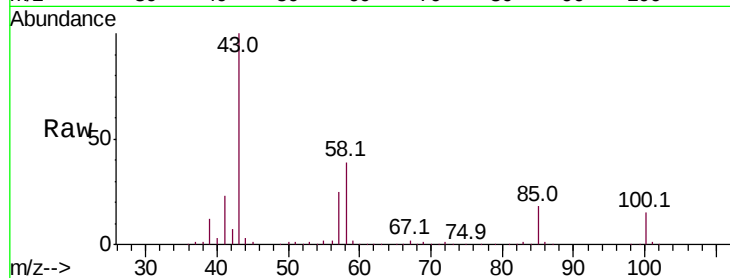
VN0614WBSD02

Manual Integrations

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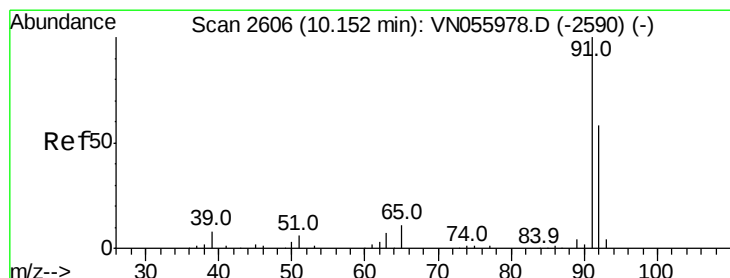
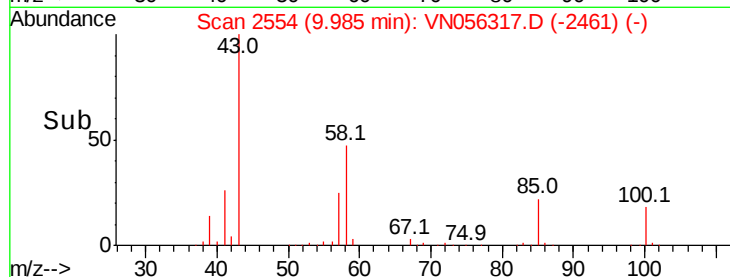
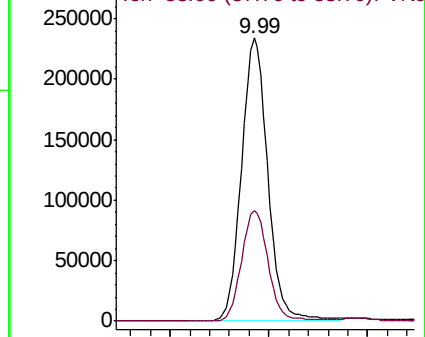
MMDadoda

6/17/2019 9:45:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.299 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056317.D

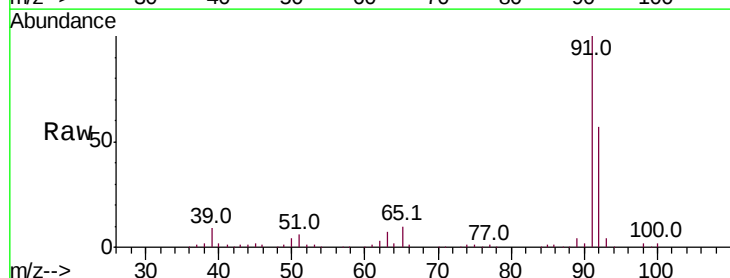
Acq: 14 Jun 2019 17:14

Tgt Ion: 92 Resp: 164296

Ion Ratio Lower Upper

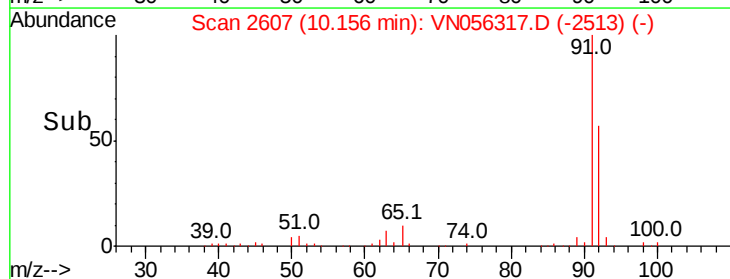
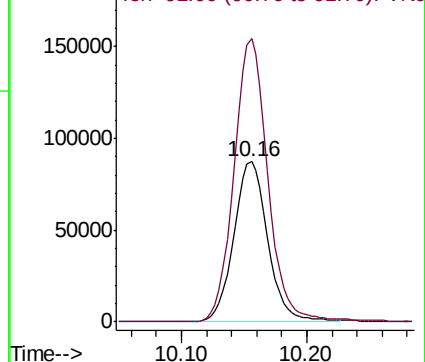
92 100

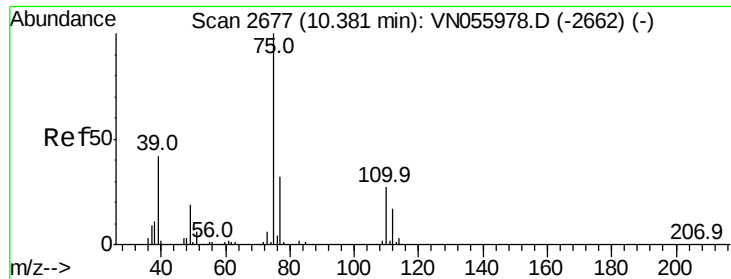
91 176.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





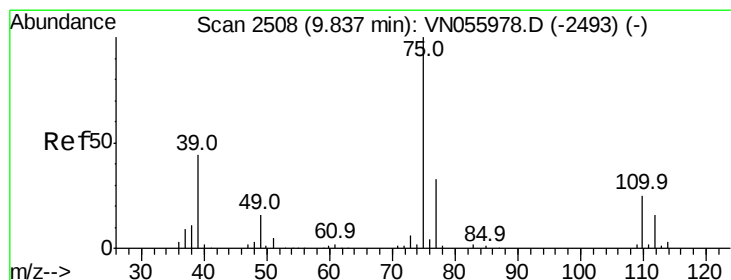
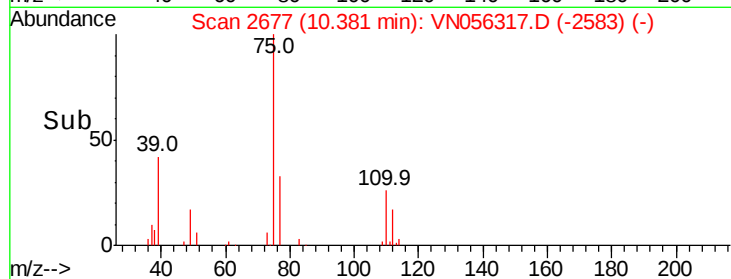
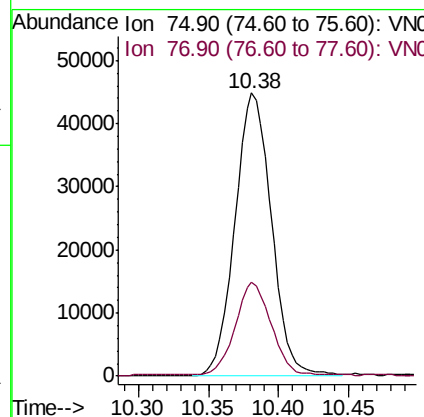
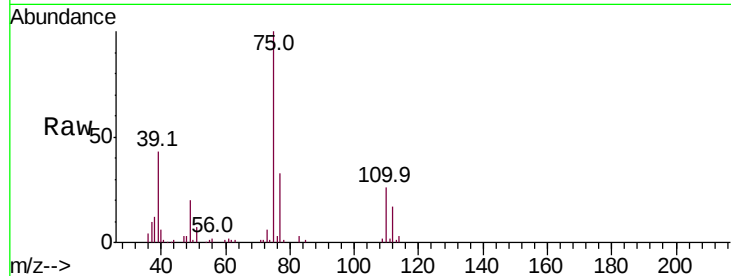
#53
 t-1,3-Dichloropropene
 Concen: 19.153 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion	75	77	Ratio	Lower	Upper
75	100				
77	32.9		25.8	38.6	

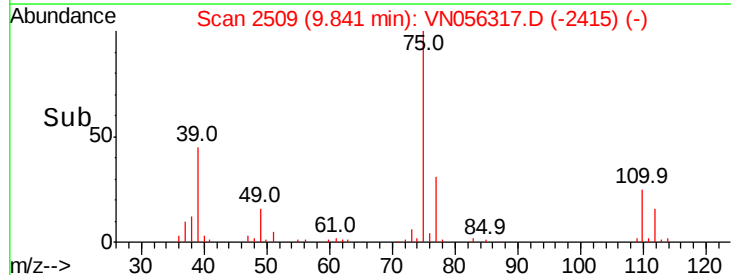
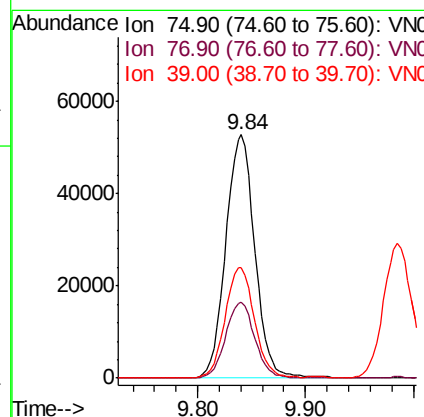
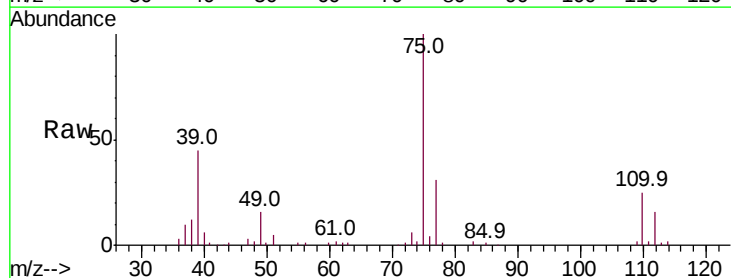
Manual Integrations
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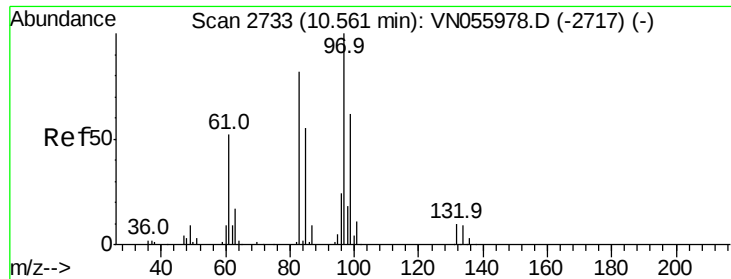
MMDadoda
 6/17/2019 9:45:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.851 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	75	77	39	Ratio	Lower	Upper
75	100					
77	31.3			25.4	38.0	
39	45.2			36.3	54.5	





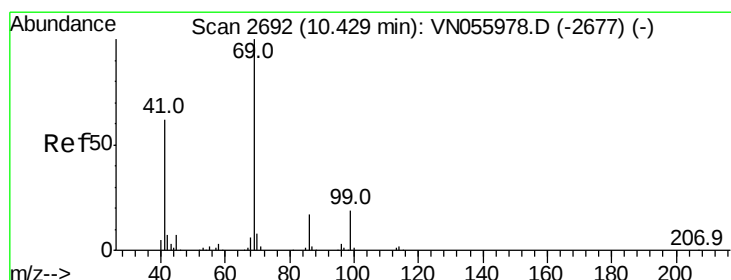
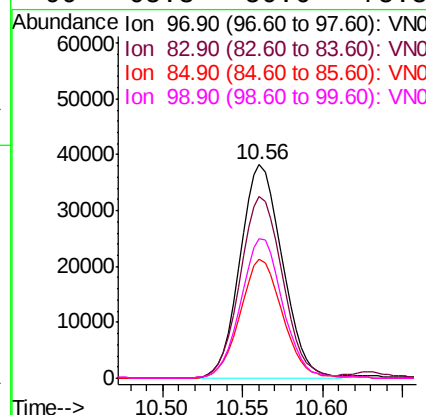
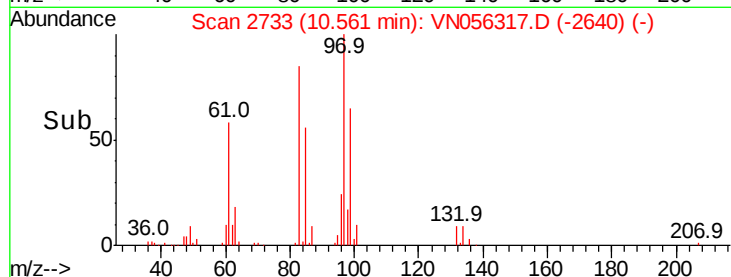
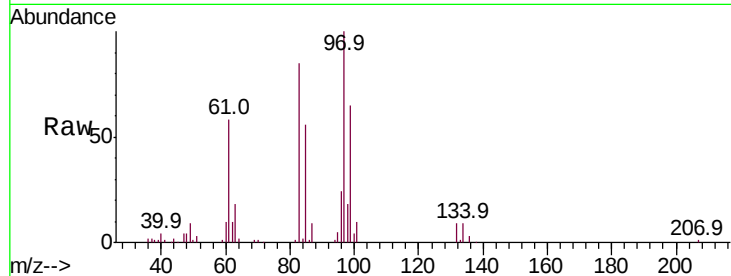
#55
 1,1,2-Trichloroethane
 Concen: 21.586 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion	97	Resp	69204
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.0	100.6
85	56.0	44.0	66.0
99	65.3	50.6	75.8

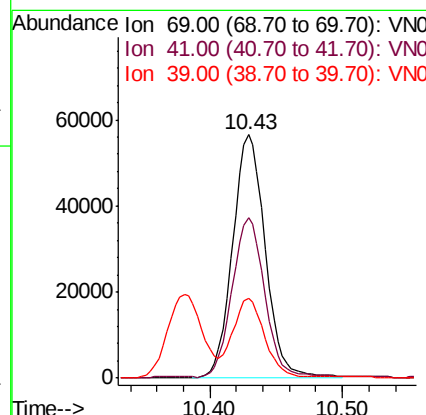
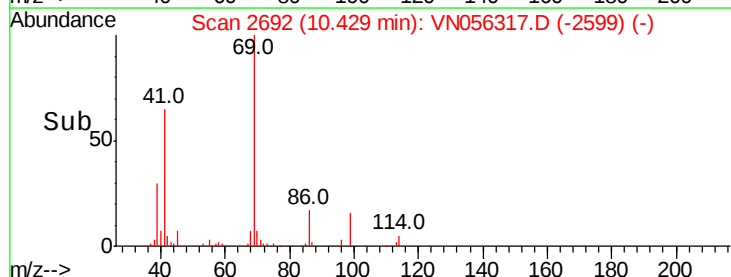
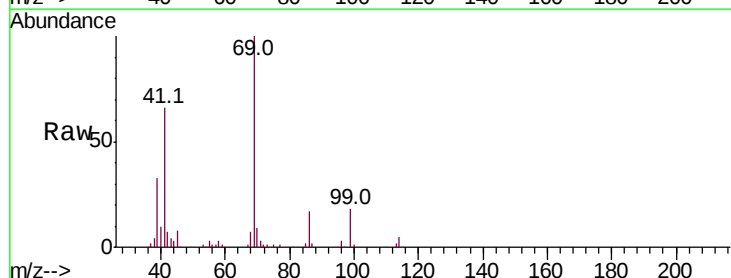
Manual Integrations
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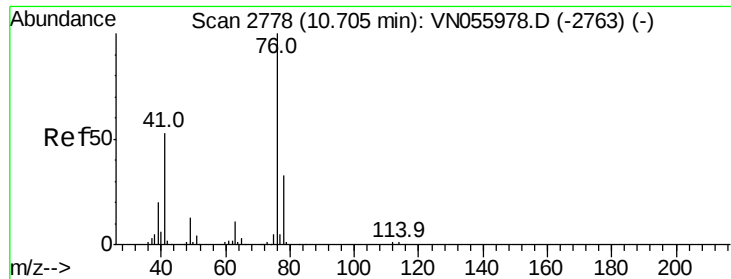
MMDadoda
 6/17/2019 9:45:34 AM



#56
 Ethyl methacrylate
 Concen: 20.744 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	69	Resp	97025
Ion	Ratio	Lower	Upper
69	100		
41	65.1	49.7	74.5
39	31.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 22.007 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion: 76 Resp: 114697

Ion Ratio Lower Upper

76 100

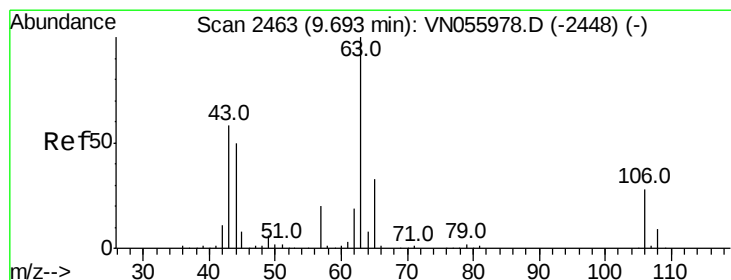
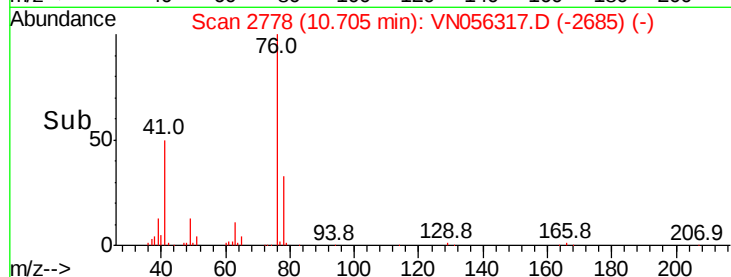
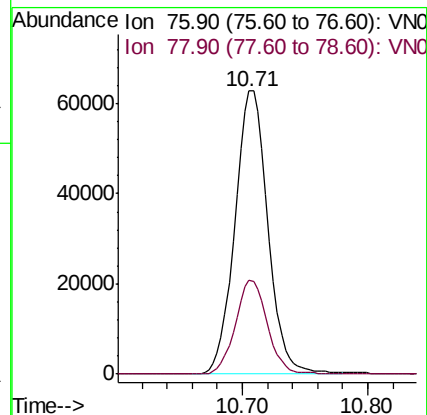
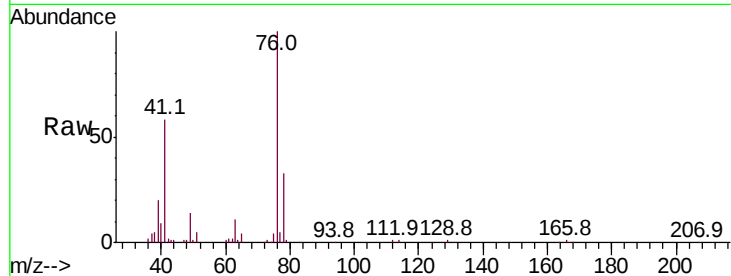
78 32.3 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/17/2019 9:45:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 88.133 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056317.D

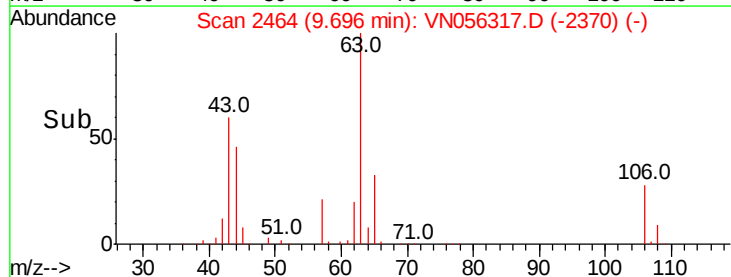
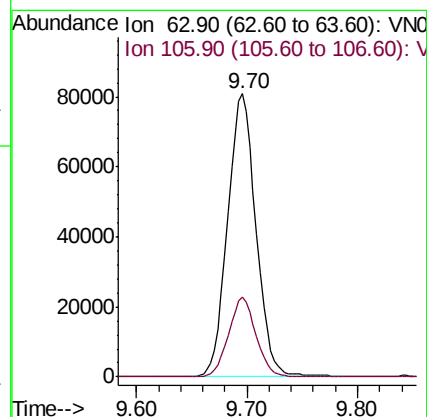
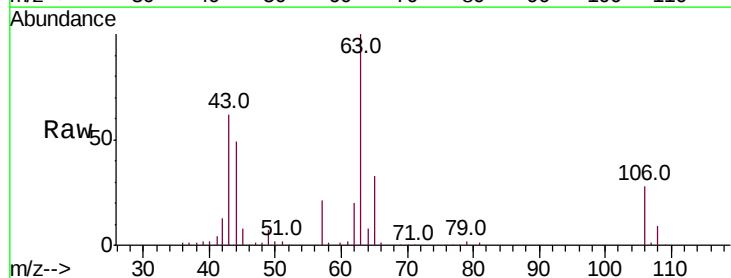
Acq: 14 Jun 2019 17:14

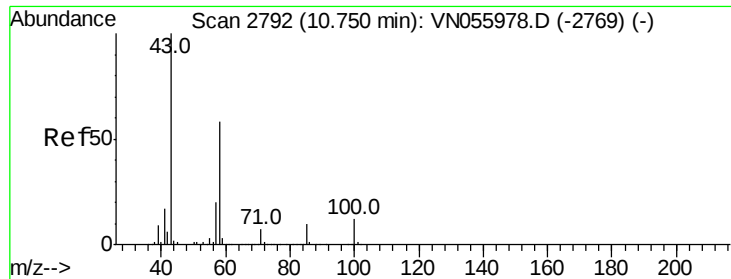
Tgt Ion: 63 Resp: 144449

Ion Ratio Lower Upper

63 100

106 27.1 22.7 34.1





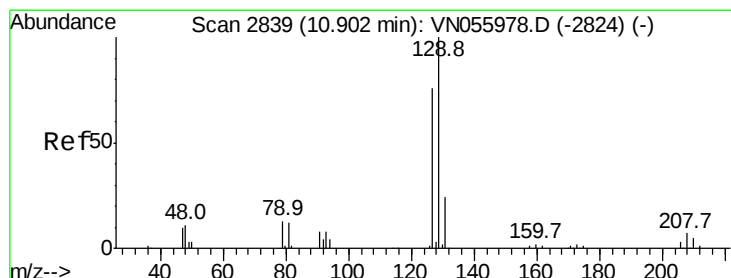
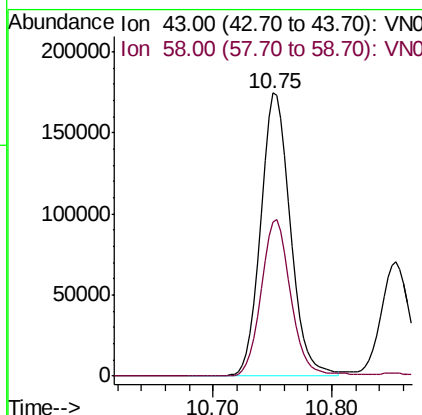
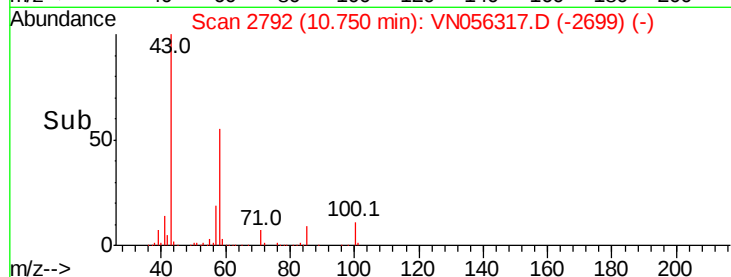
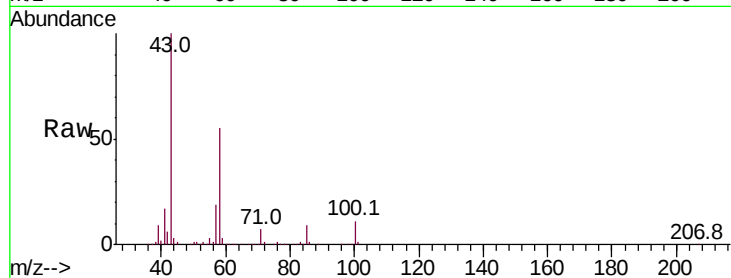
#59
2-Hexanone
Concen: 107.795 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion: 43 Resp: 301671
Ion Ratio Lower Upper
43 100
58 55.2 28.2 84.7

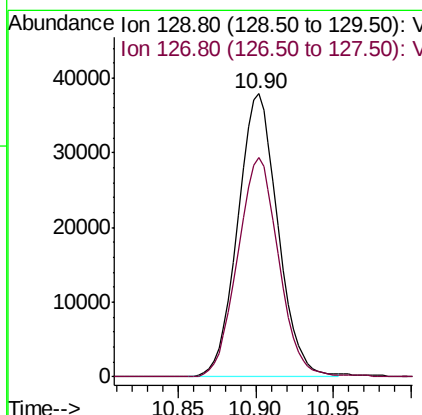
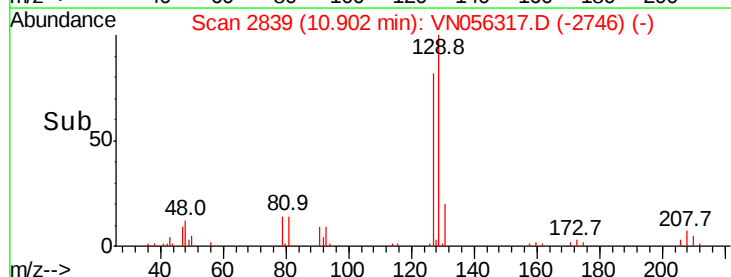
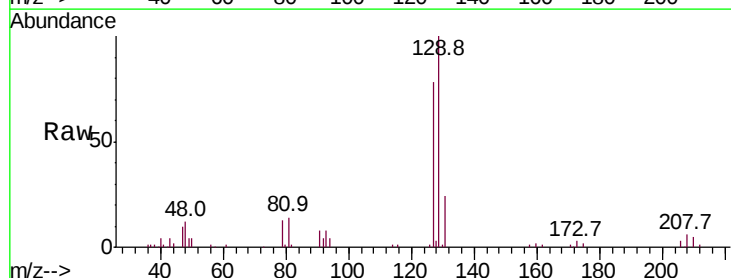
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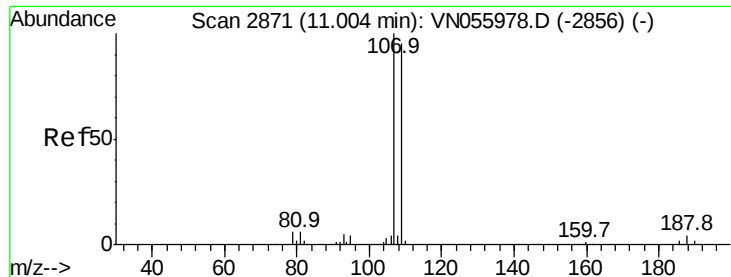
MMDadoda
6/17/2019 9:45:34 AM



#60
Dibromochloromethane
Concen: 20.810 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion: 129 Resp: 68262
Ion Ratio Lower Upper
129 100
127 79.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.564 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion:107 Resp: 70678

Ion Ratio Lower Upper

107 100

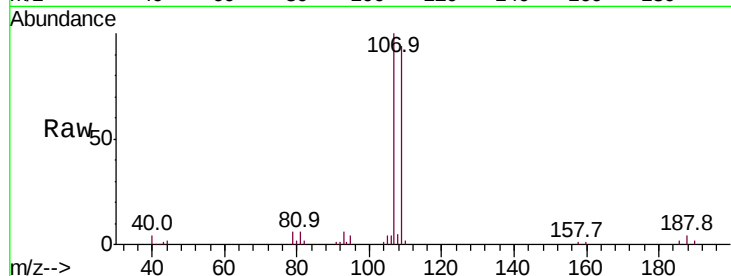
109 94.8 74.8 112.2

Manual Integrations

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6/17/2019 9:45:34 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

40000

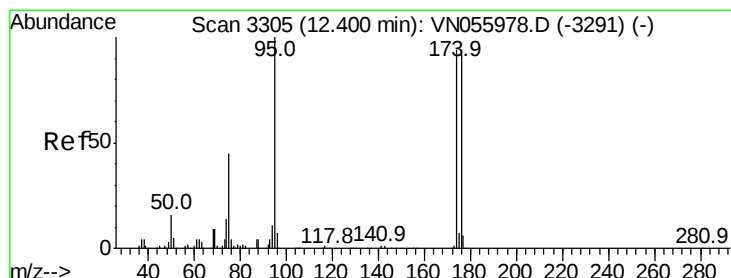
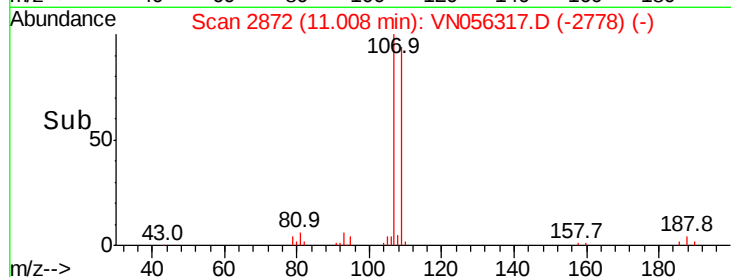
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 46.427 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

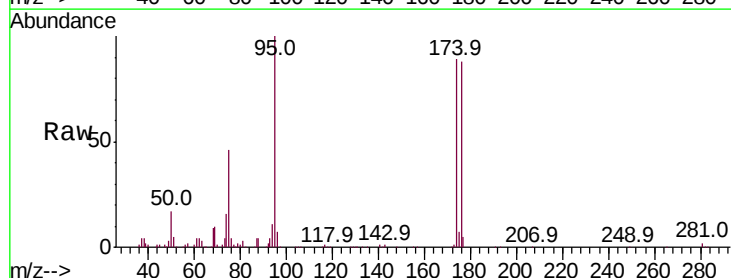
Tgt Ion: 95 Resp: 185646

Ion Ratio Lower Upper

95 100

174 90.5 0.0 191.0

176 88.8 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

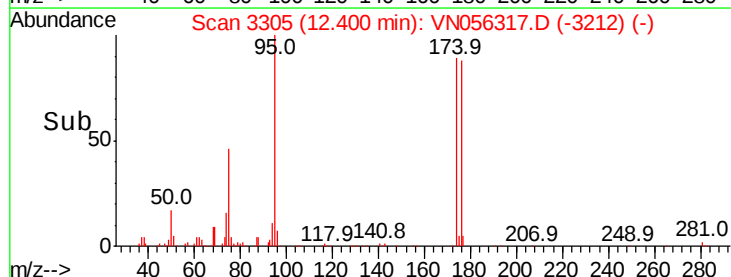
12.40

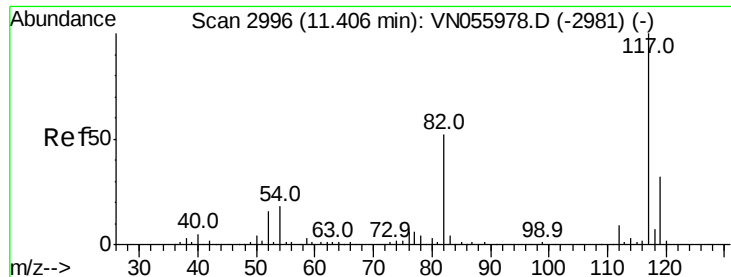
100000

50000

0

Time--> 12.30 12.40 12.50





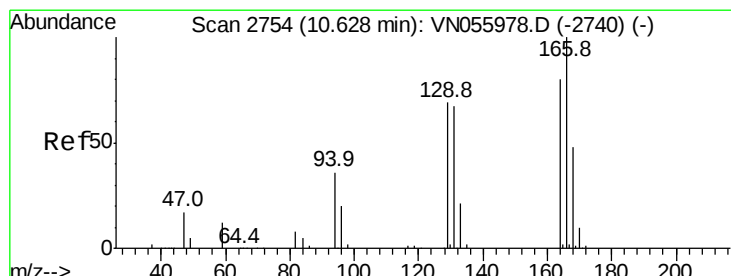
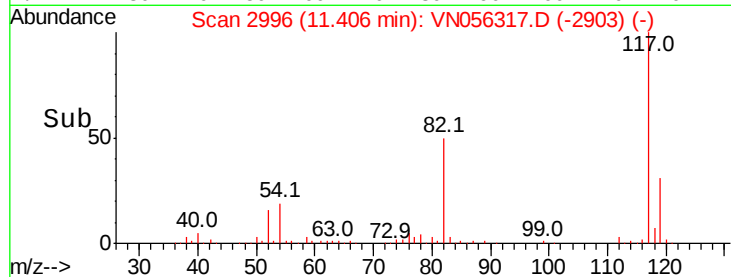
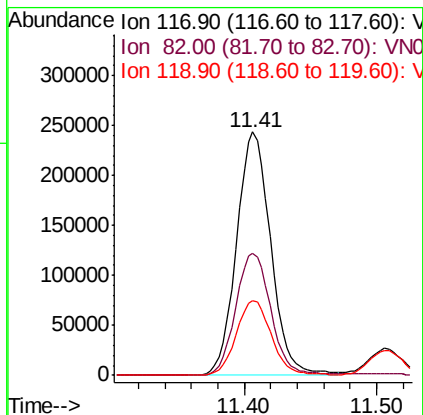
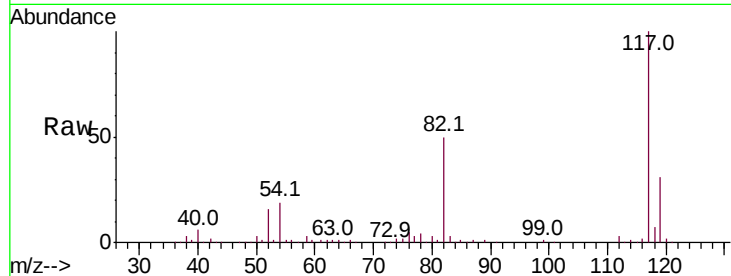
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.8	62.8
119	30.7	25.4	38.0

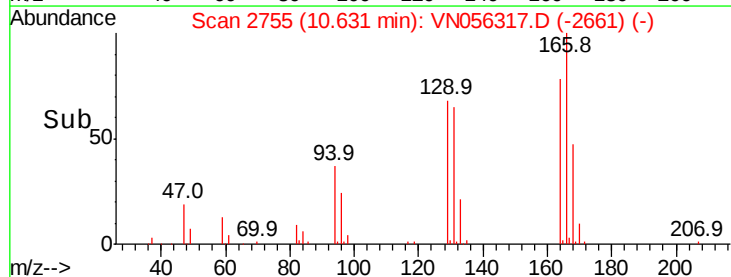
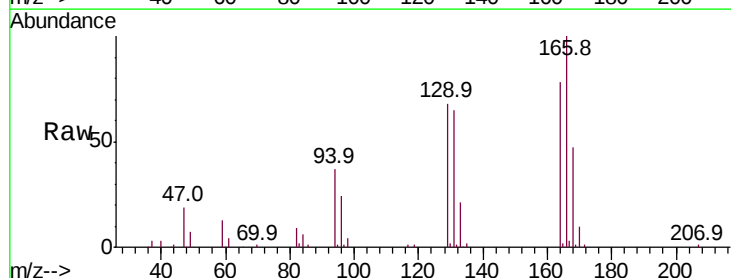
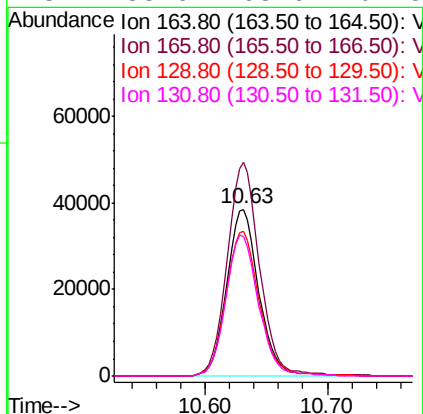
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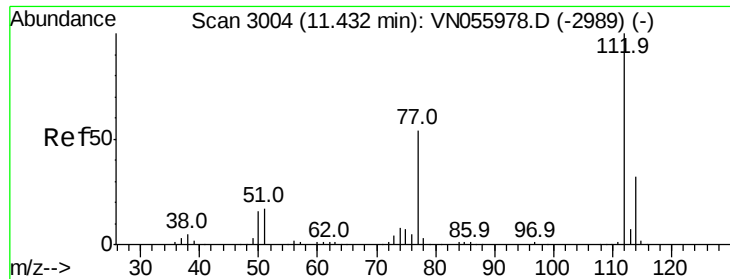
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#64
Tetrachloroethene
Concen: 18.783 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.0	154.6
129	87.1	70.6	105.8
131	83.6	68.6	102.8





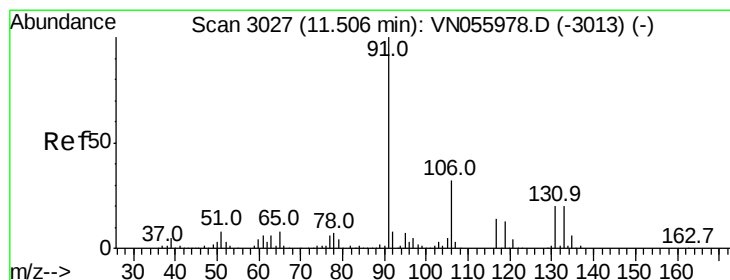
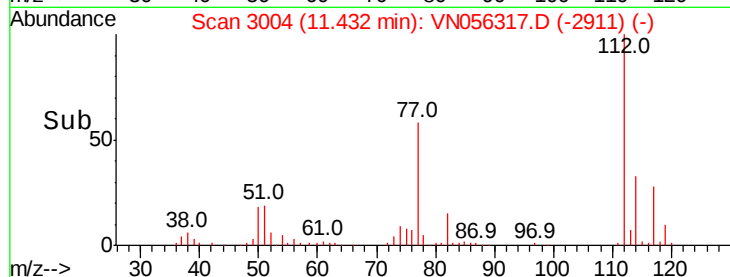
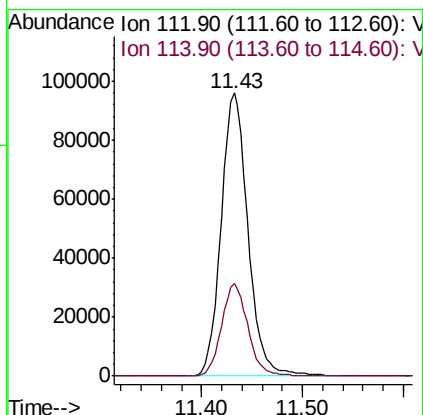
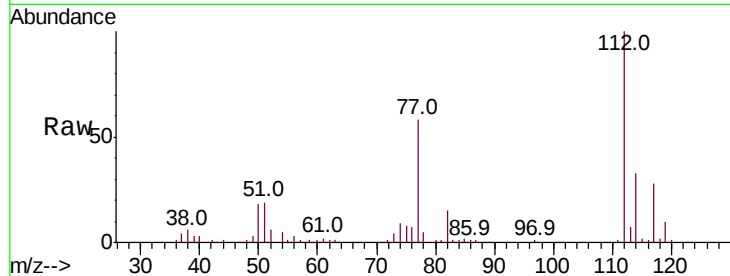
#65
Chlorobenzene
Concen: 20.537 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion:112 Resp: 178535
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

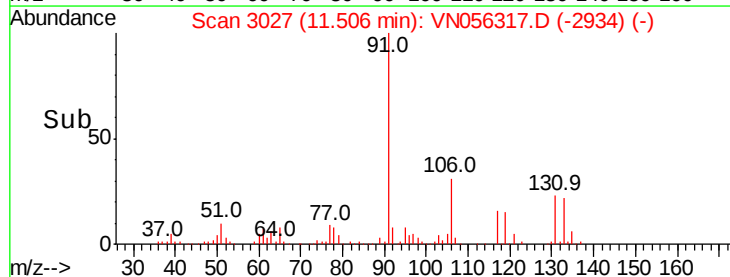
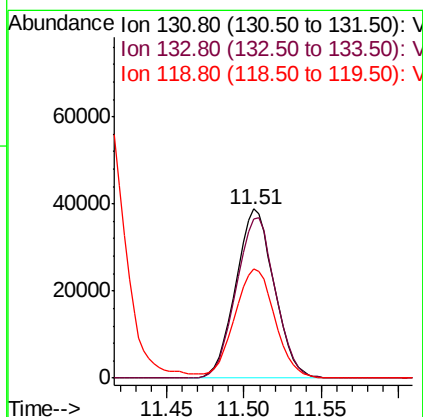
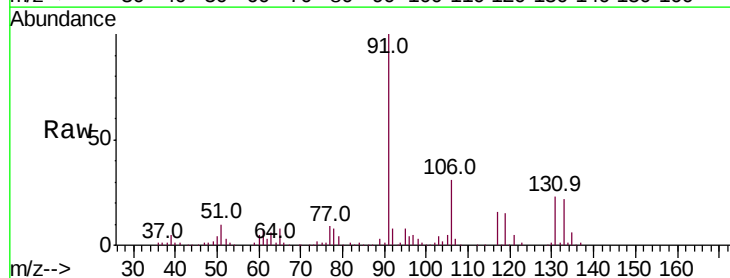
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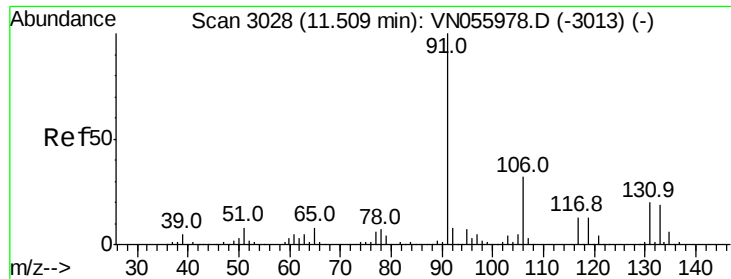
MMDadoda
6/17/2019 9:45:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.362 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion:131 Resp: 67124
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.0
119 67.6 33.1 99.5





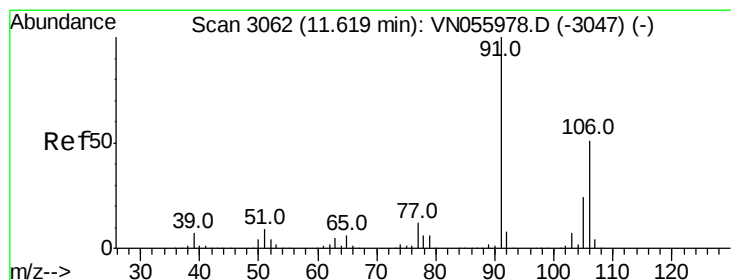
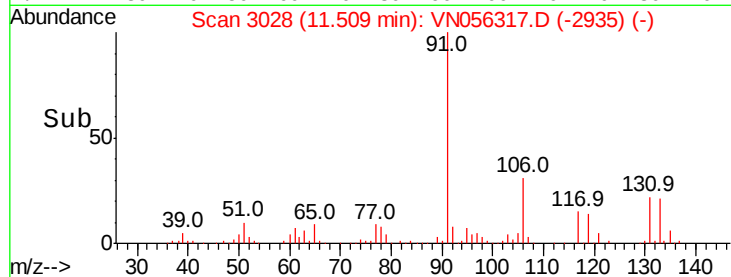
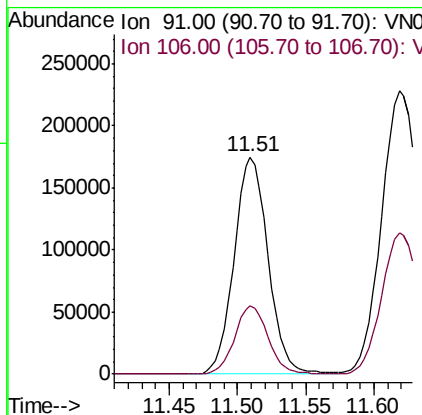
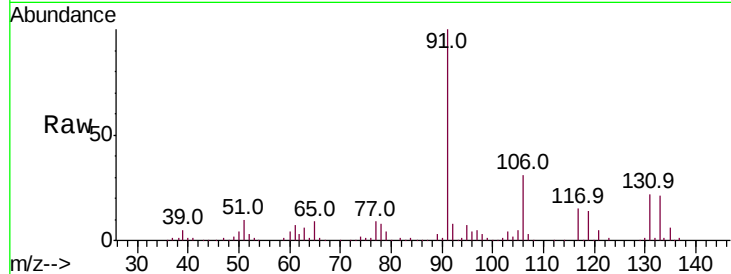
#67
Ethyl Benzene
Concen: 20.026 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampled :
VN0614WBSD02

Tot Ion: 91 Resp: 302716
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

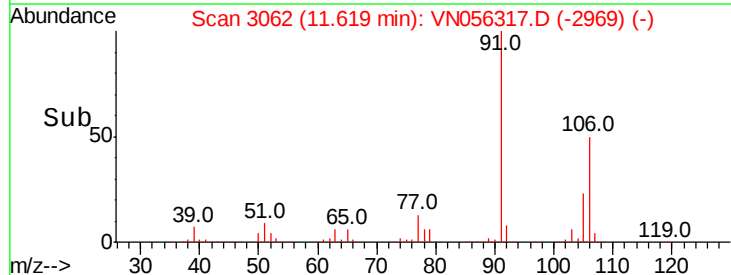
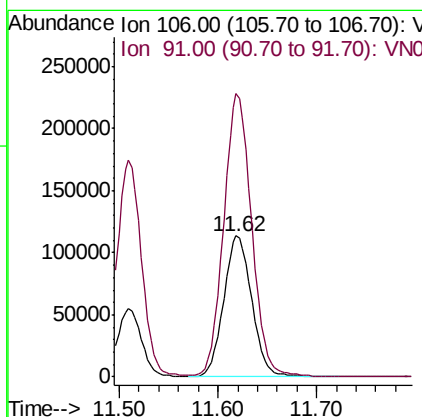
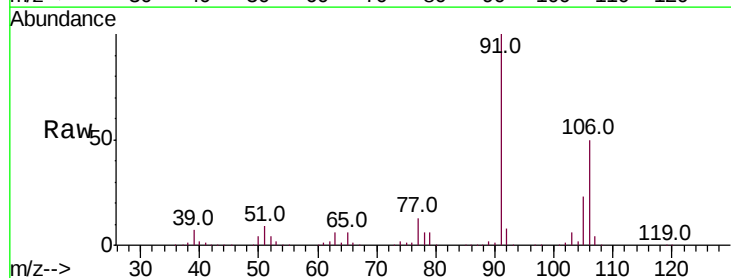
Manual Integrations
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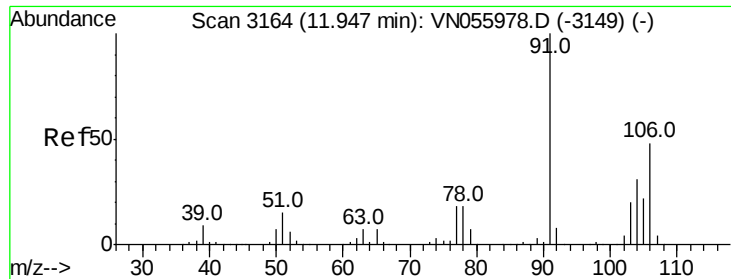
MMDadoda
6/17/2019 9:45:34 AM



#68
m/p-Xylenes
Concen: 39.355 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion: 106 Resp: 227258
Ion Ratio Lower Upper
106 100
91 199.5 159.3 238.9





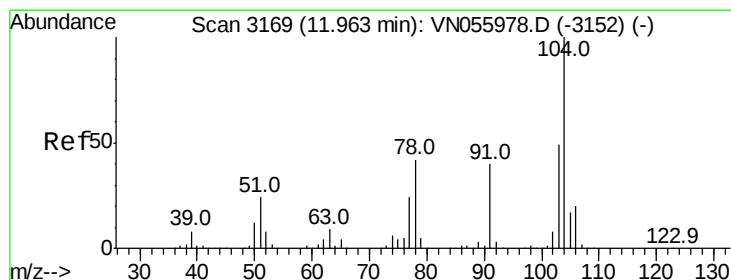
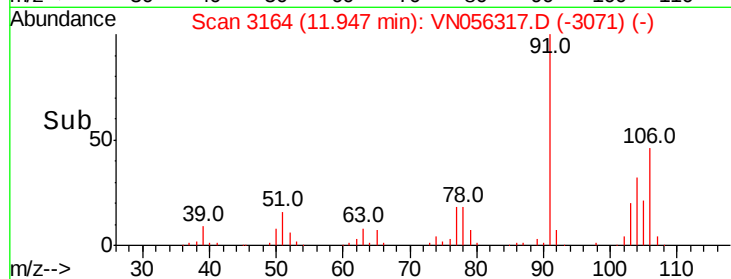
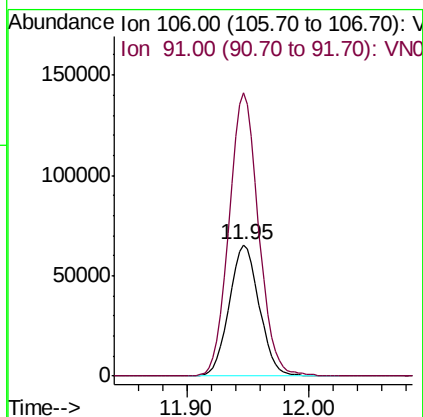
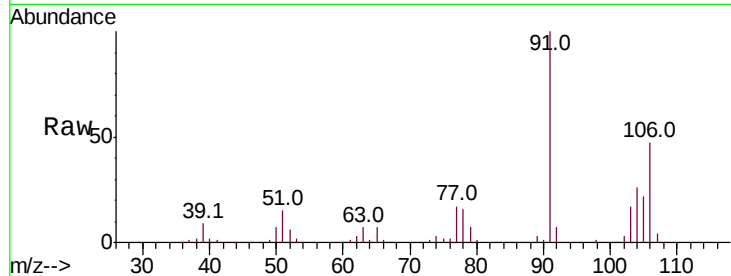
#69
o-Xylene
Concen: 19.798 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion:106 Resp: 112456
Ion Ratio Lower Upper
106 100
91 212.2 104.7 314.1

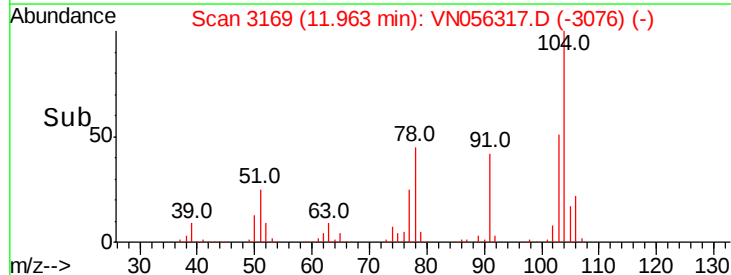
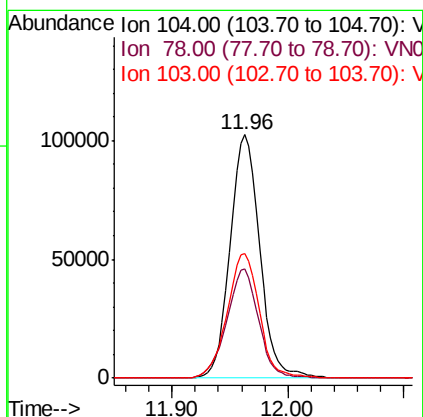
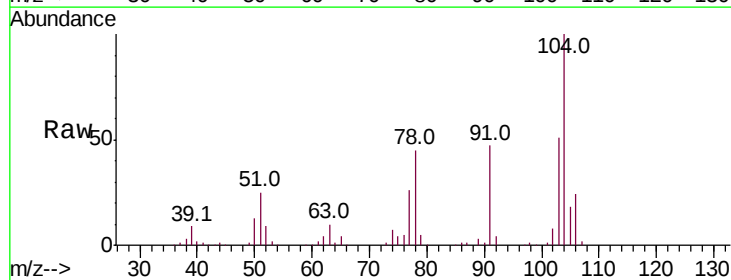
Manual Integrations
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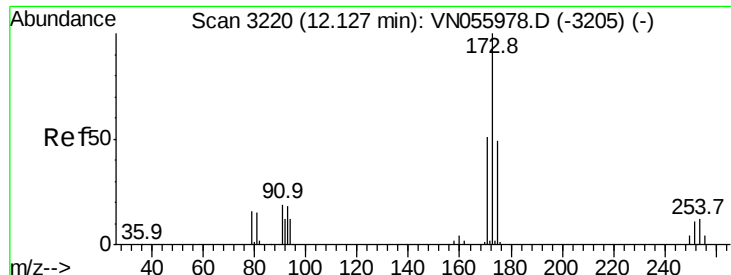
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#70
Styrene
Concen: 20.053 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion:104 Resp: 180978
Ion Ratio Lower Upper
104 100
78 48.1 37.8 56.6
103 55.3 44.2 66.2





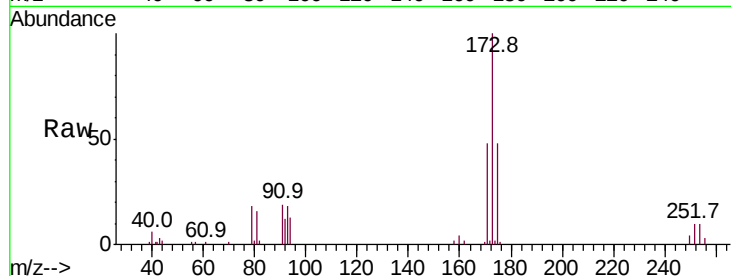
#71
Bromoform
Concen: 21.389 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

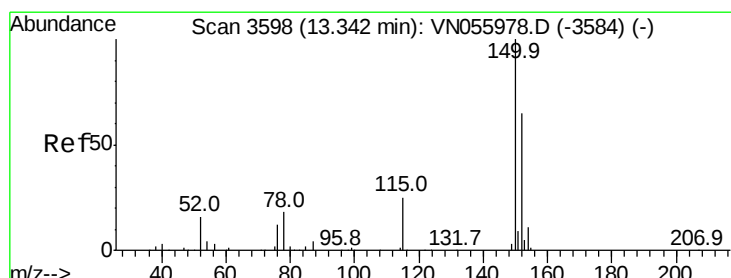
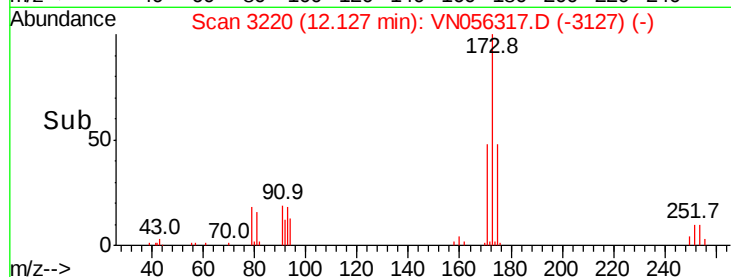
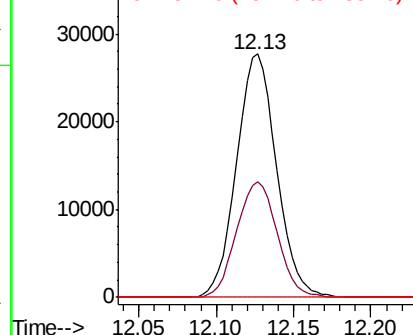
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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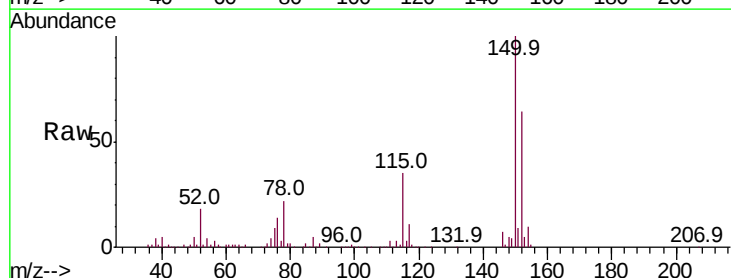


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

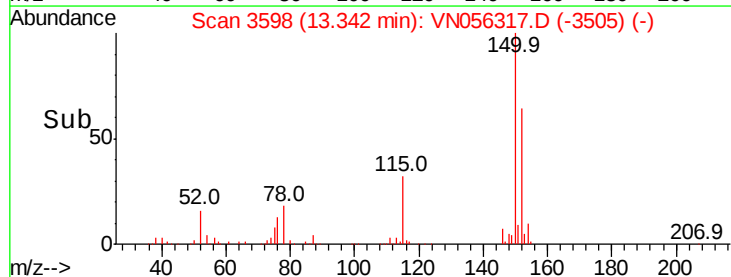
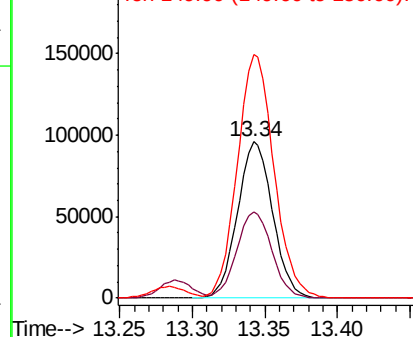


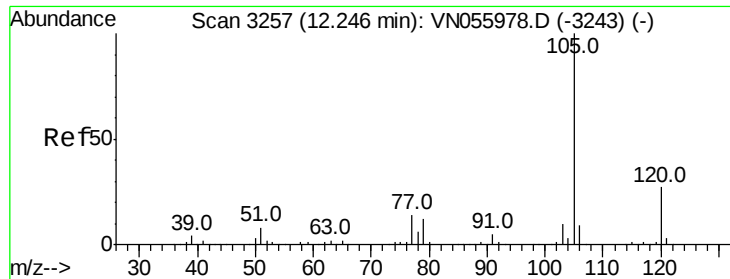
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.0	81.0
150	162.3	0.0	343.2



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





#73

Isopropylbenzene

Concen: 24.797 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion: 105 Resp: 299094

Ion Ratio Lower Upper

105 100

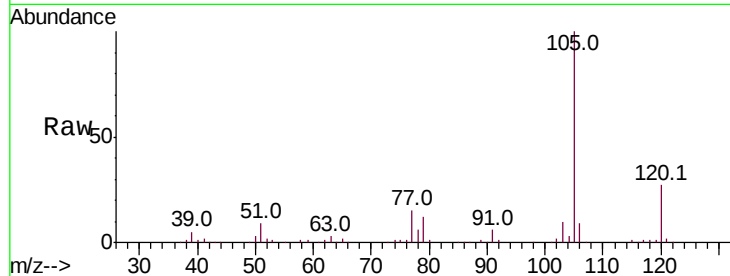
120 26.8 13.6 40.7

Manual Integrations

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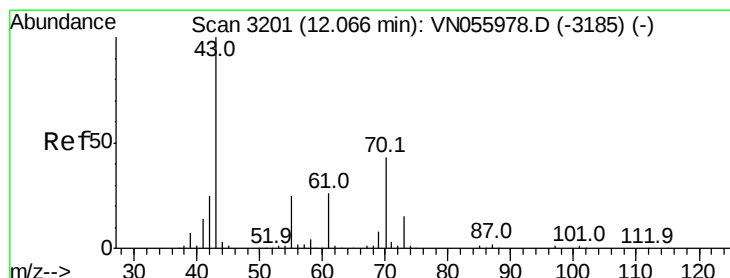
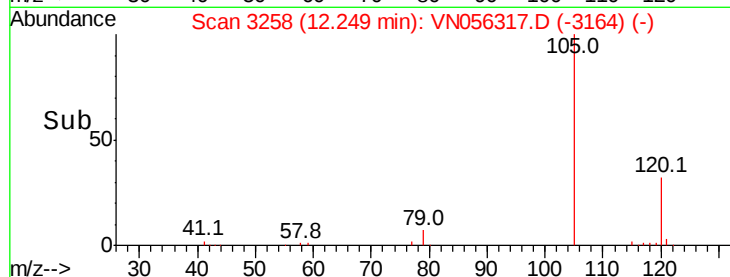
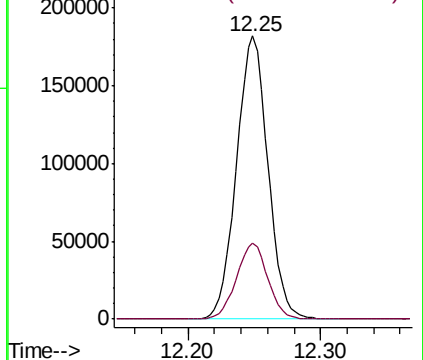
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.187 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion: 43 Resp: 103983

Ion Ratio Lower Upper

43 100

70 44.1 34.0 51.0

55 26.5 18.6 28.0

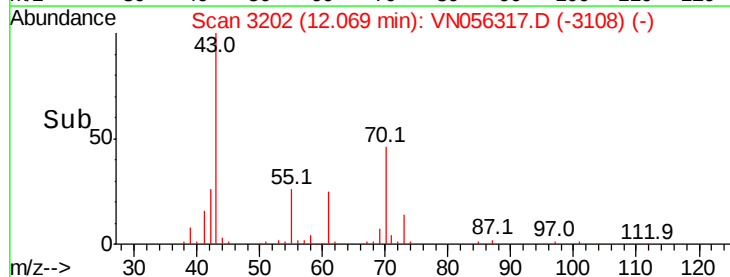
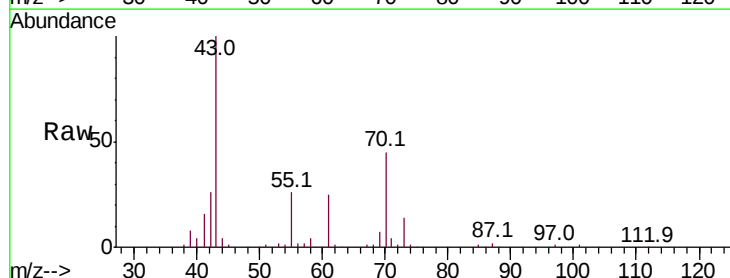
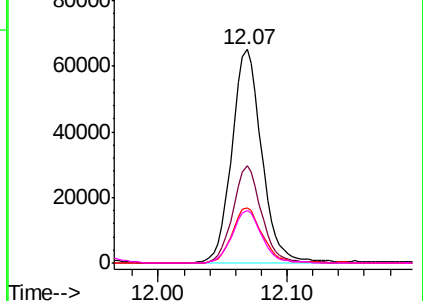
61 24.6 20.0 30.0

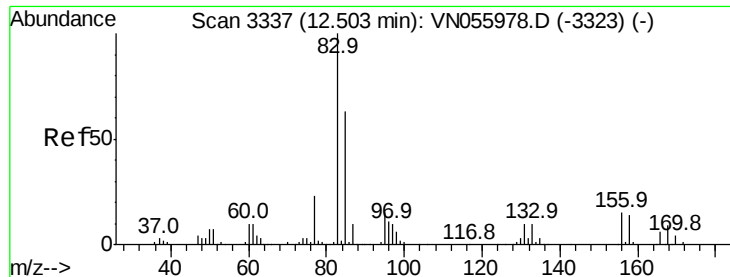
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 26.397 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

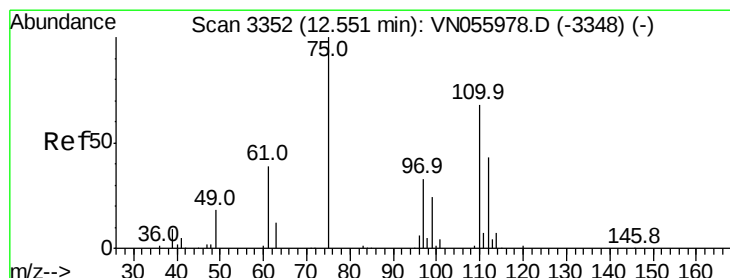
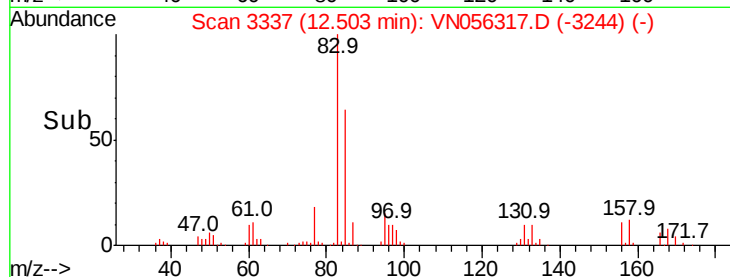
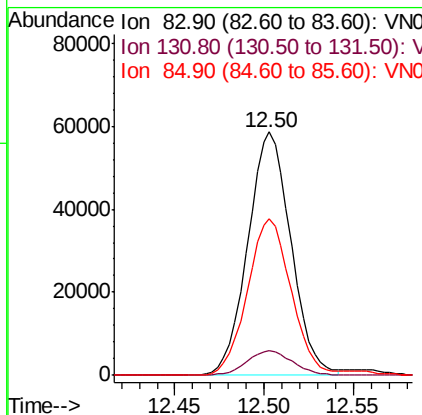
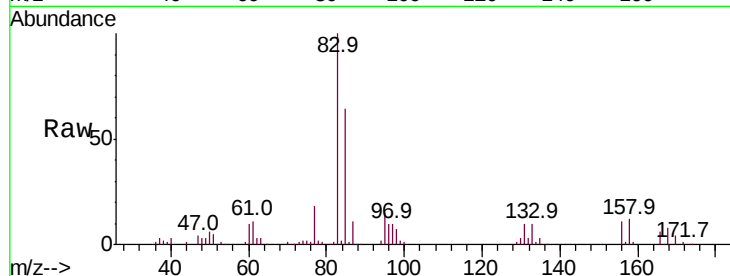
ClientSampleId :

VN0614WBSD02

Tot Ion:	83	Resp:	98833
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.0	32.4	97.0

Manual Integrations
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6/17/2019 9:45:34 AM



#76

1,2,3-Trichloropropane

Concen: 28.207 ug/l m

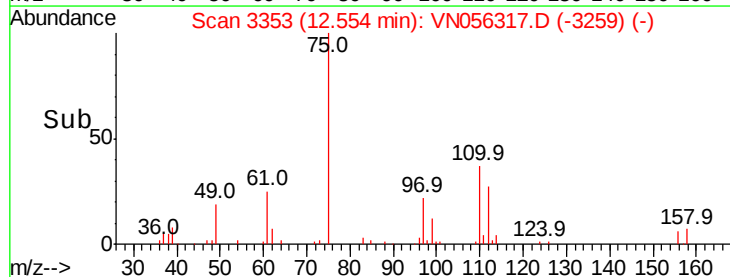
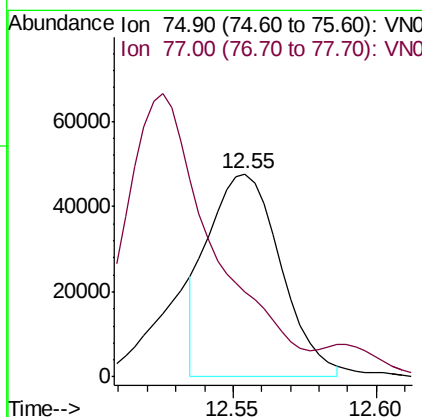
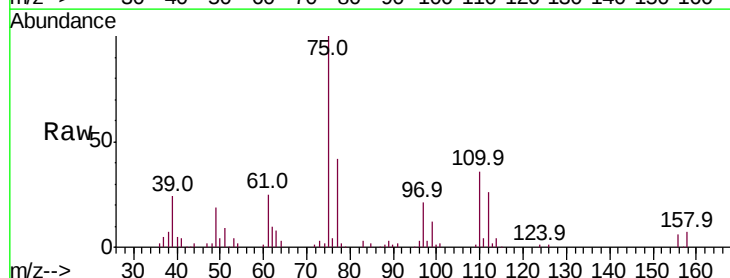
RT: 12.55 min Scan# 3353

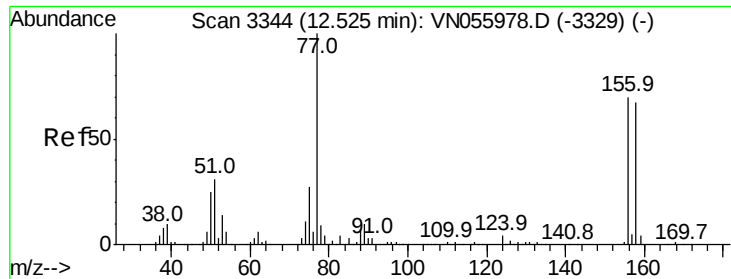
Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion:	75	Resp:	83709
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.558 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

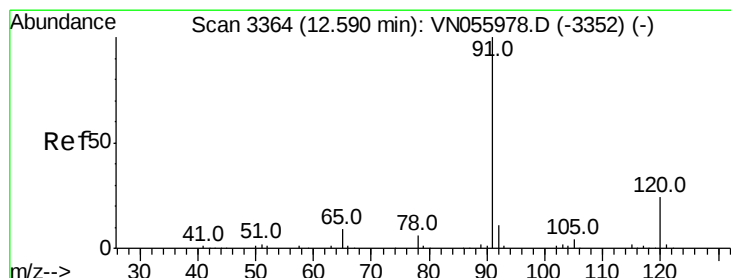
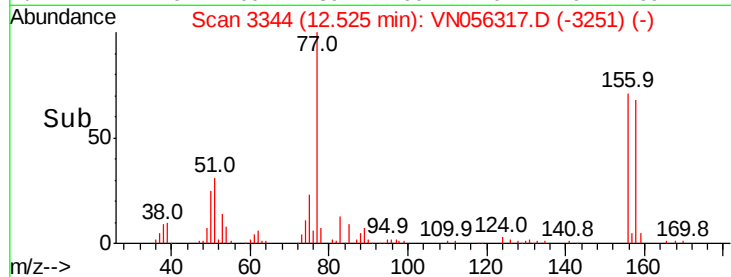
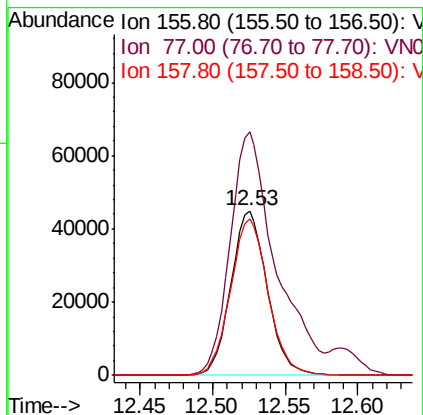
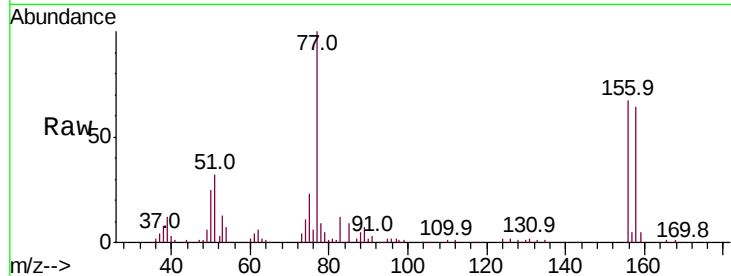
ClientSampleId :

VN0614WBSD02

Tot Ion:	156	Resp:	77894
Ion	Ratio	Lower	Upper
156	100		
77	186.3	90.8	272.5
158	98.6	49.3	147.8

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#78

n-propylbenzene

Concen: 22.374 ug/l

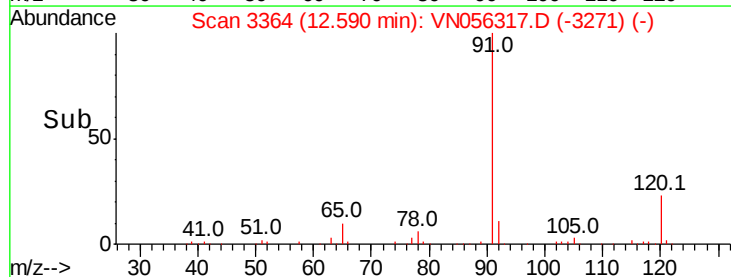
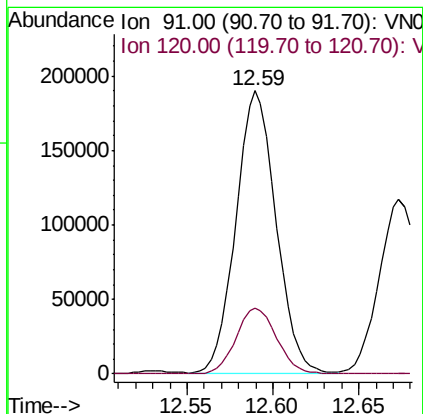
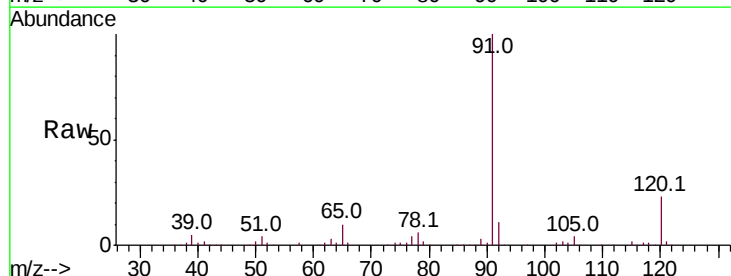
RT: 12.59 min Scan# 3364

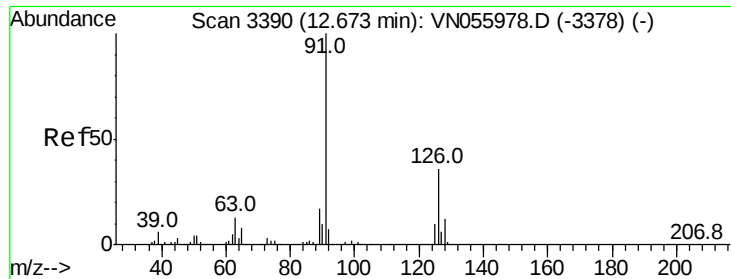
Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion:	91	Resp:	305270
Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 24.346 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampled :

VN0614WBSD02

Tot Ion: 91 Resp: 193265

Ion Ratio Lower Upper

91 100

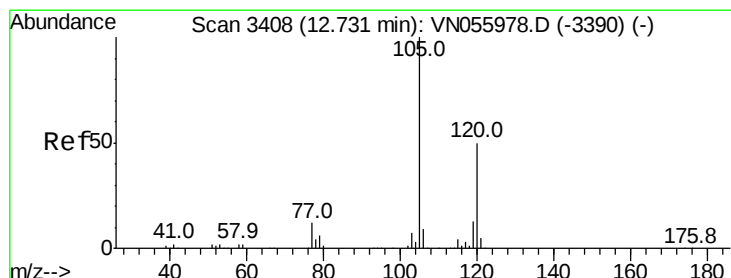
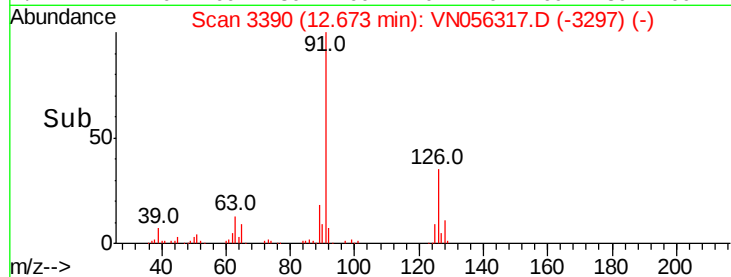
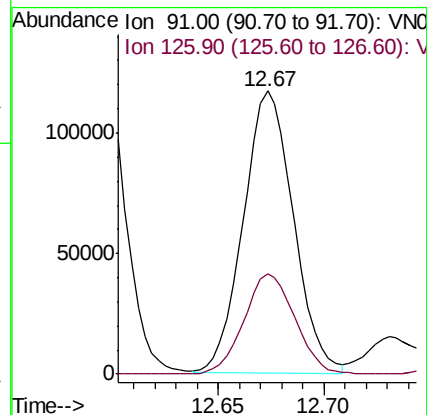
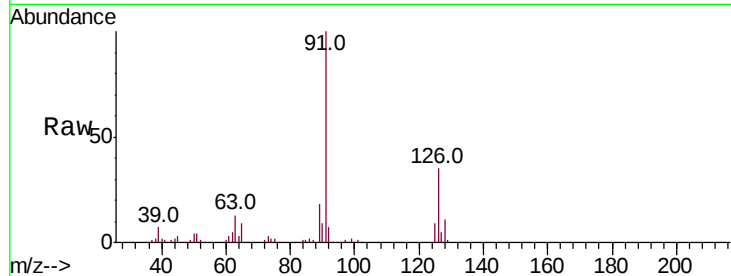
126 36.1 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.159 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056317.D

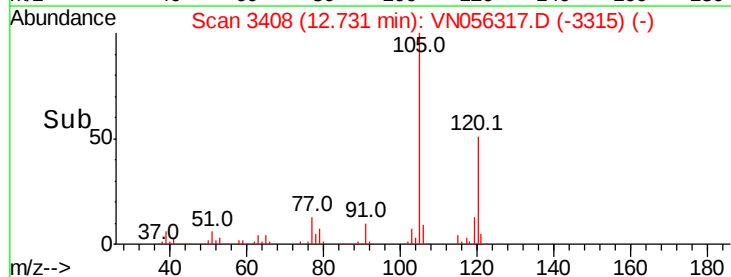
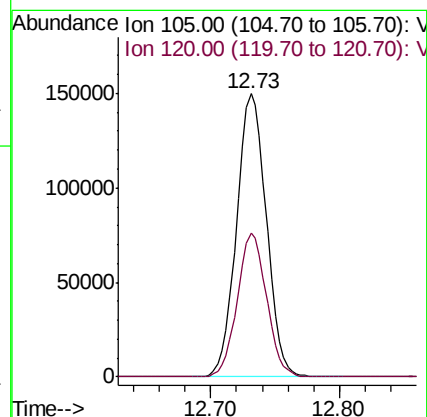
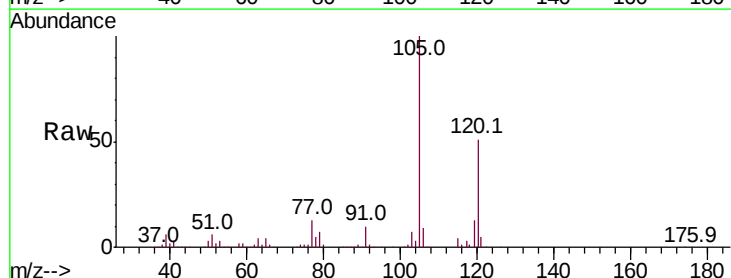
Acq: 14 Jun 2019 17:14

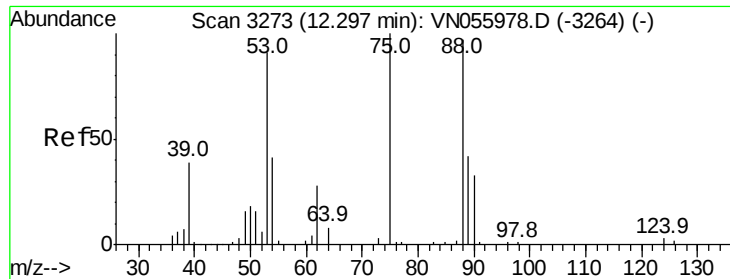
Tgt Ion: 105 Resp: 240294

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





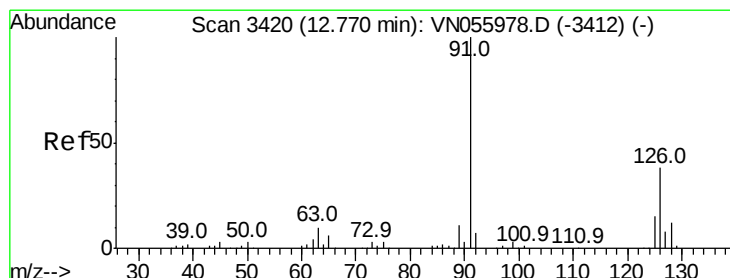
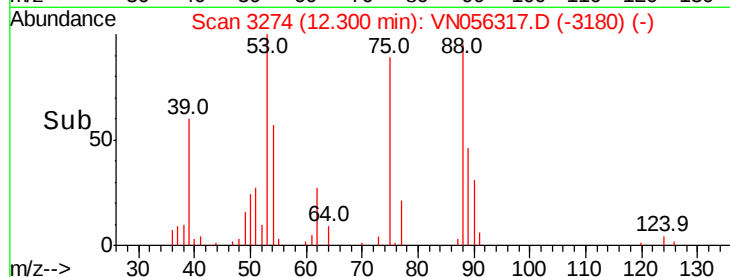
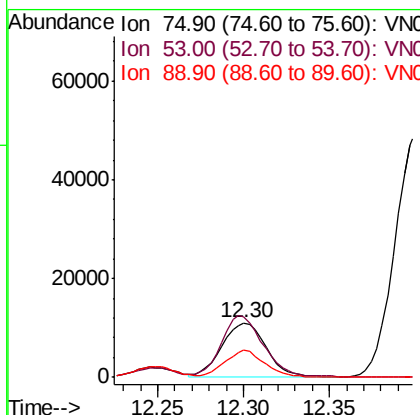
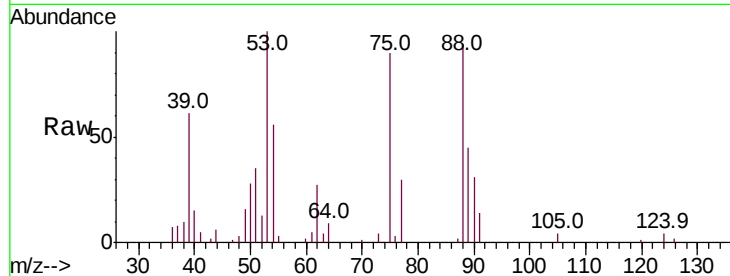
#81
trans-1,4-Dichloro-2-butene
Concen: 22.461 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion: 75 Resp: 20016
Ion Ratio Lower Upper
75 100
53 103.0 68.1 102.1#
89 44.7 36.9 55.3

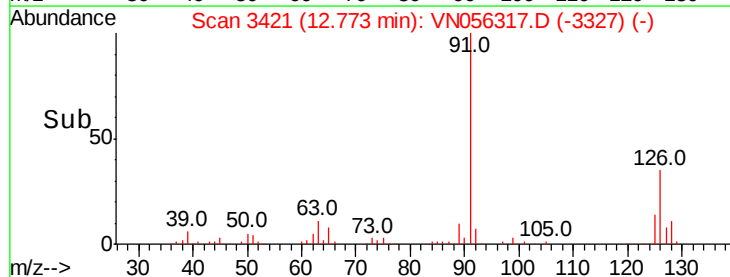
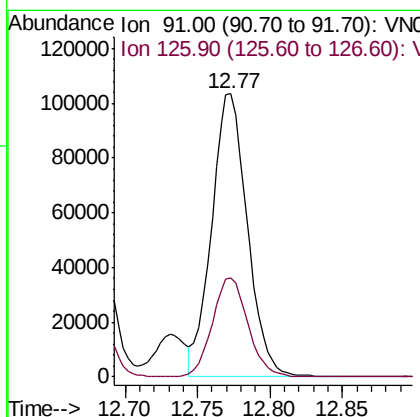
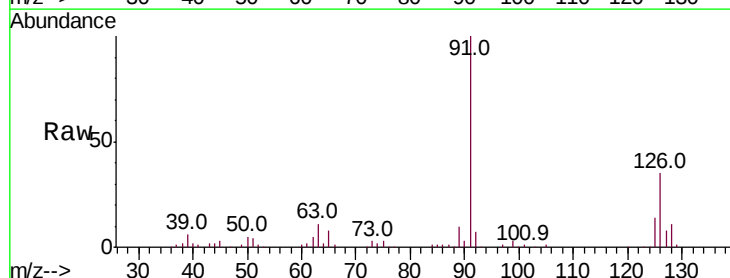
Manual Integrations
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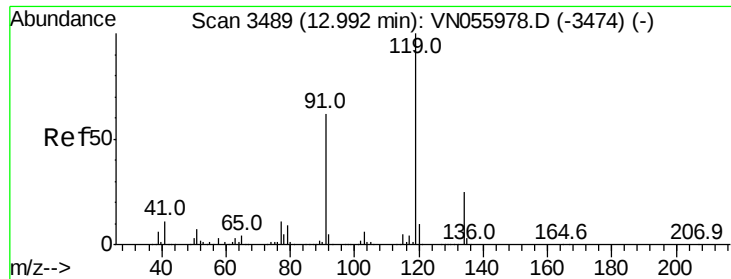
MMDadoda
6/17/2019 9:45:34 AM



#82
4-Chlorotoluene
Concen: 22.114 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion: 91 Resp: 176523
Ion Ratio Lower Upper
91 100
126 35.3 17.8 53.3





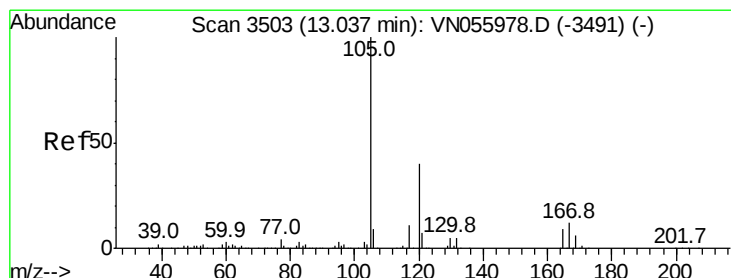
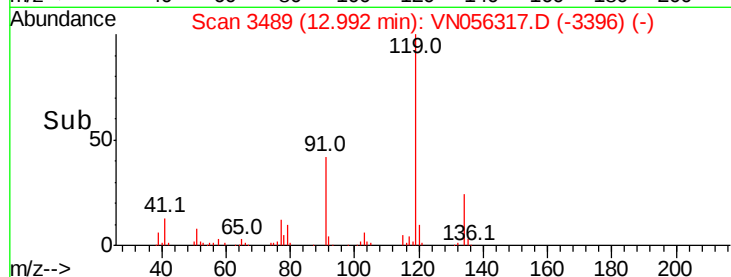
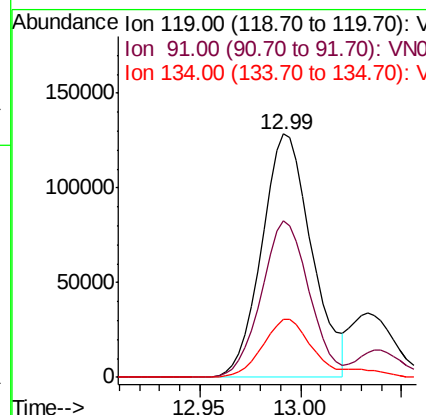
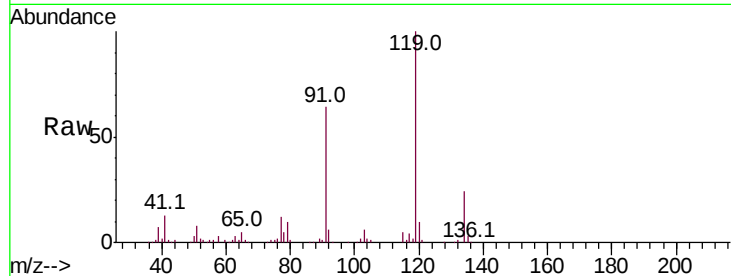
#83
tert-Butylbenzene
Concen: 24.917 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221160		
91	61.5	30.9	92.8	
134	25.7	13.3	39.8	

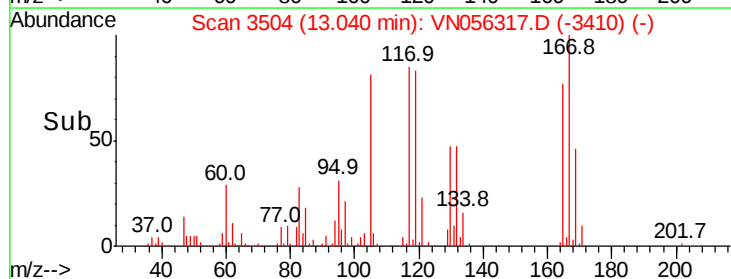
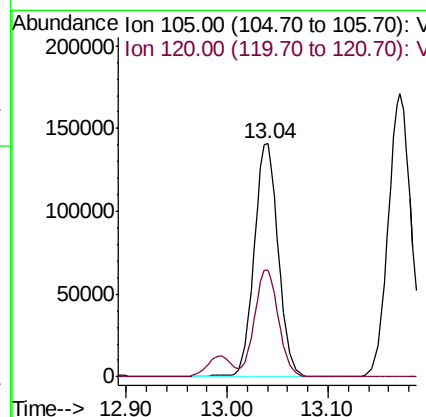
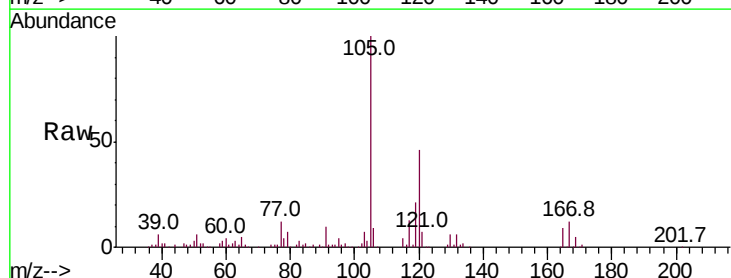
Manual Integrations
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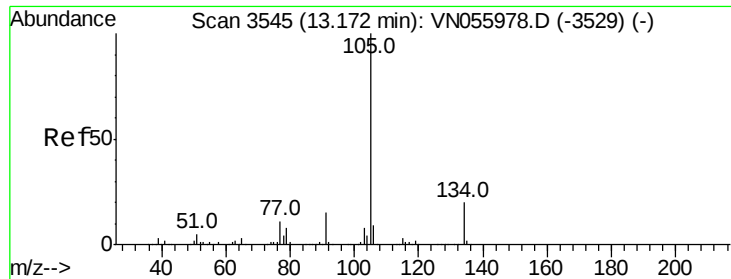
MMDadoda
6/17/2019 9:45:34 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.419 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230545		
120	45.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 22.579 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

VN0614WBSD02

Tot Ion:105 Resp: 272830

Ion Ratio Lower Upper

105 100

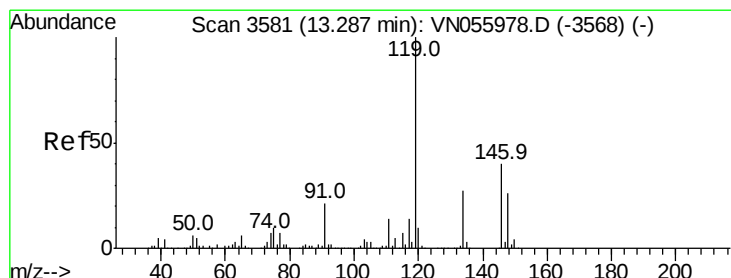
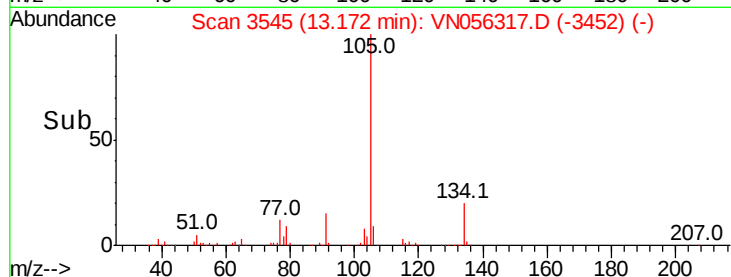
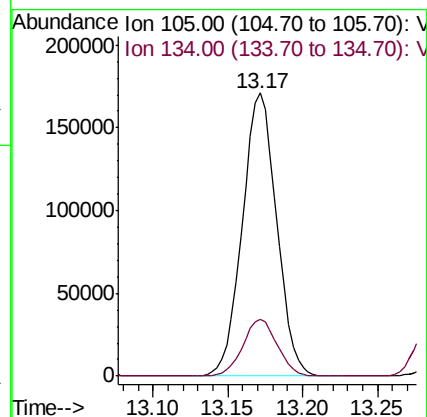
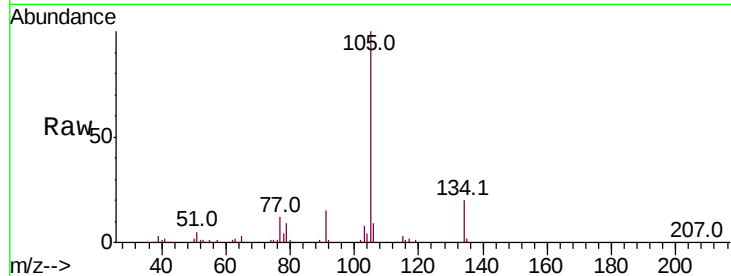
134 20.0 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.239 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

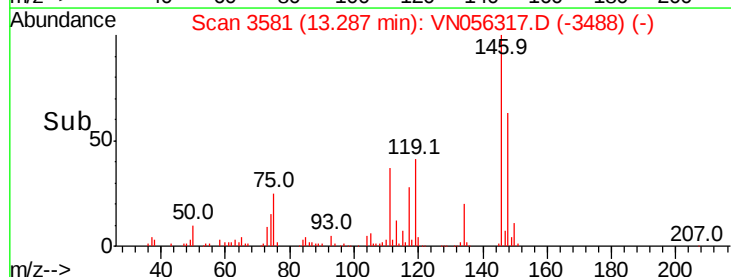
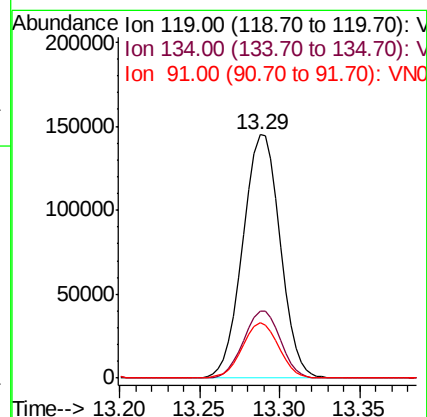
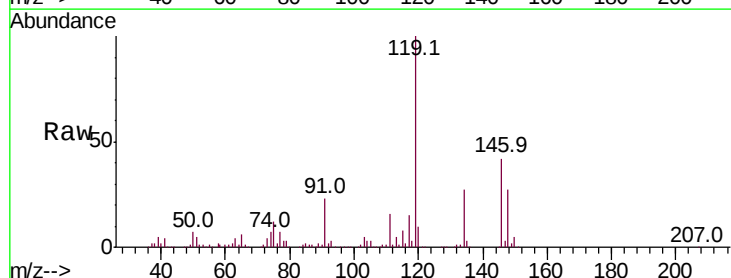
Tgt Ion:119 Resp: 229682

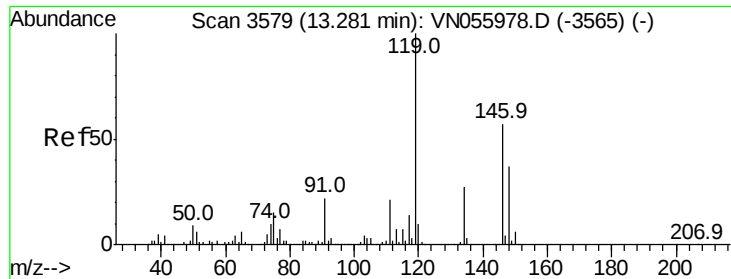
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

91 22.3 10.9 32.9





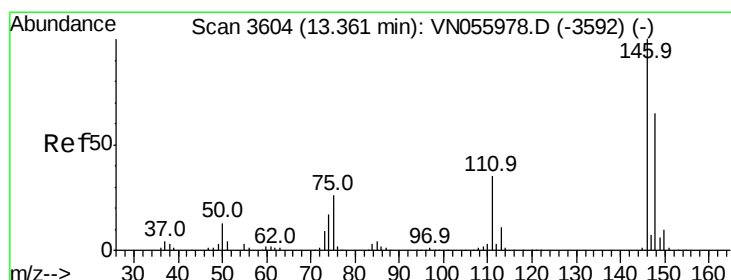
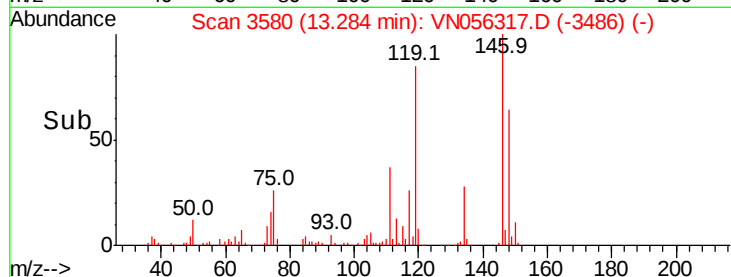
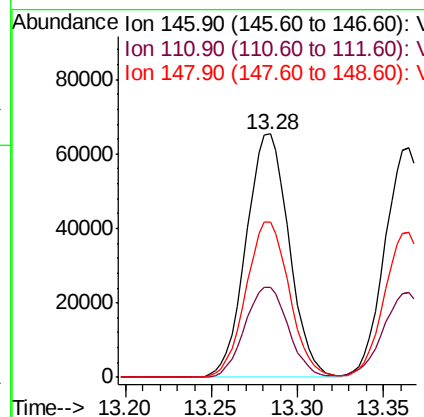
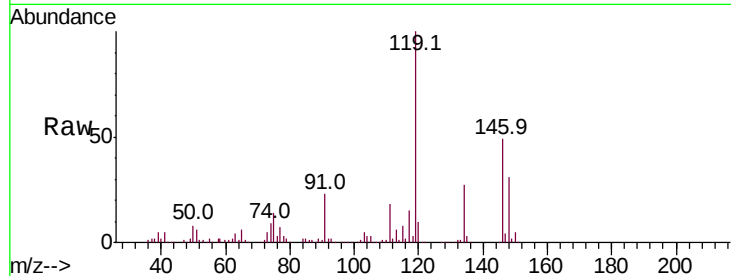
#87
 1,3-Dichlorobenzene
 Concen: 21.229 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.5	55.5
148	64.6	32.0	96.2

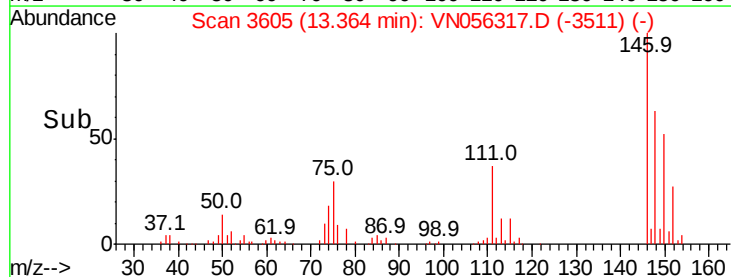
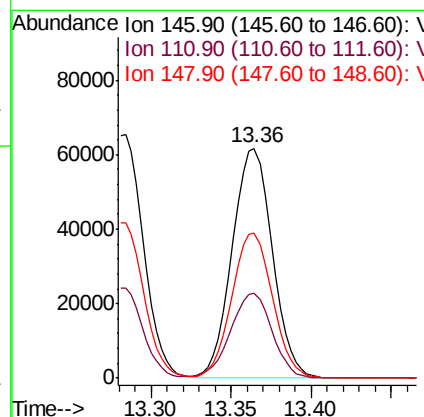
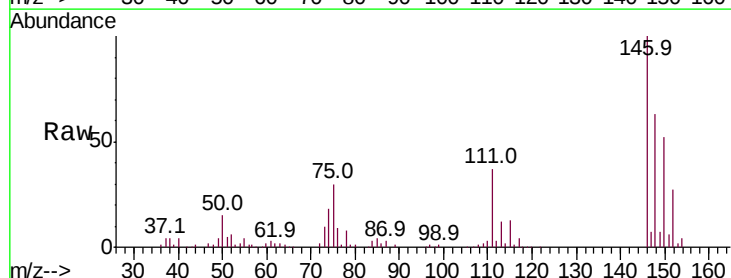
Manual Integrations
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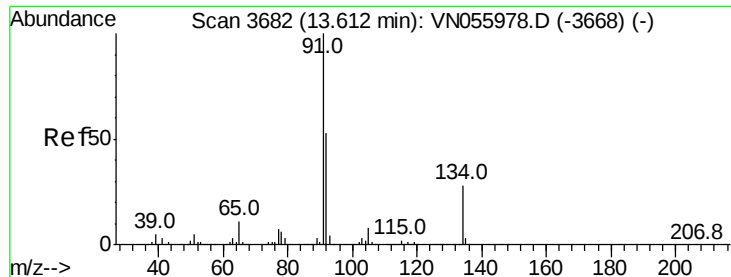
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#88
 1,4-Dichlorobenzene
 Concen: 20.593 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.1	54.4
148	64.1	32.1	96.5





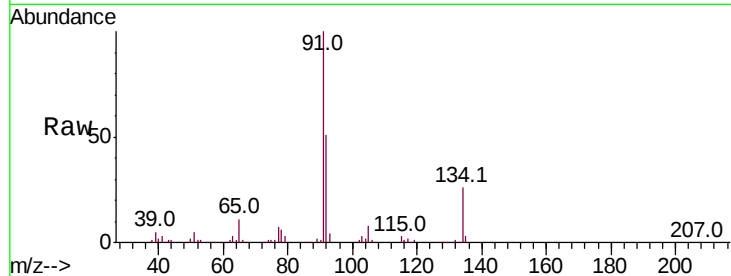
#89
n-Butylbenzene
Concen: 19.470 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
VN0614WBSD02

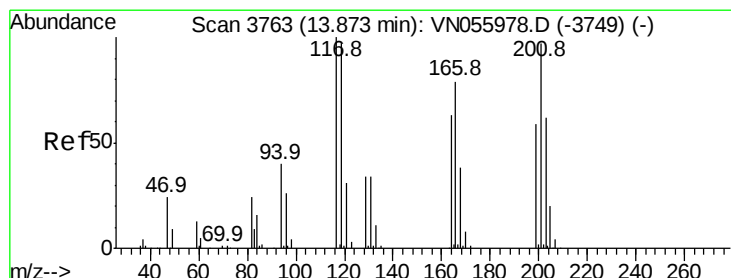
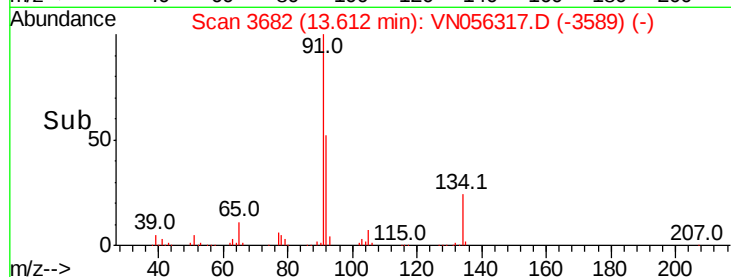
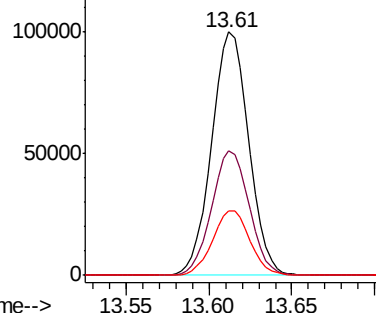
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.4	79.0
134	26.6	13.9	41.7

Manual Integrations
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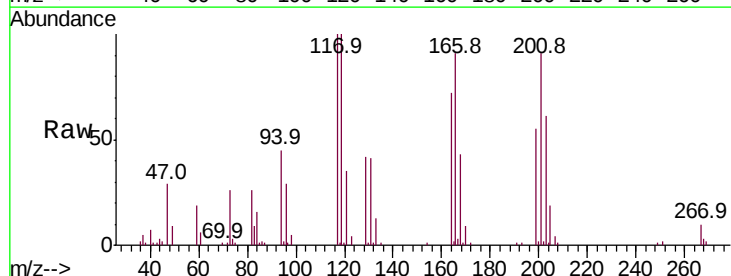


Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)

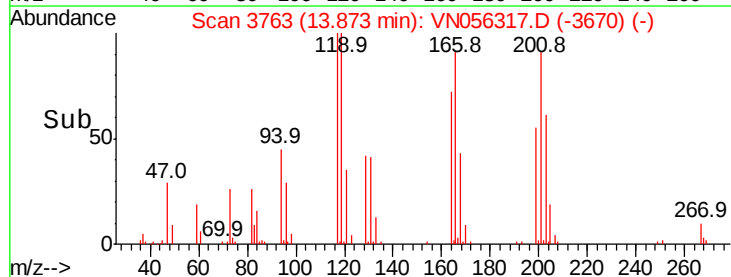
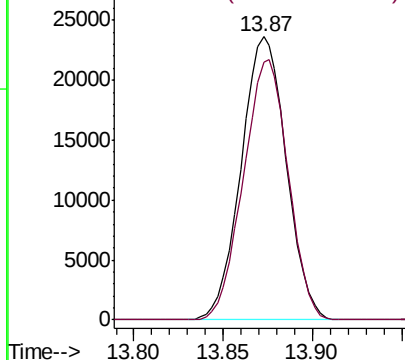


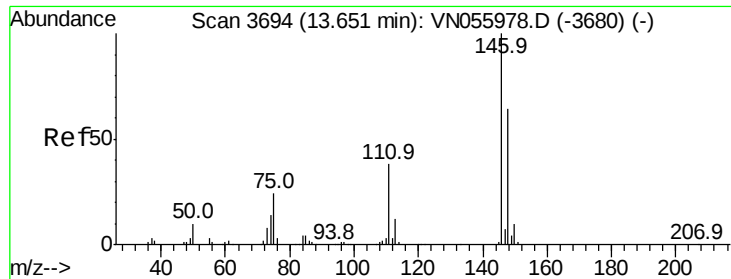
#90
Hexachloroethane
Concen: 25.652 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056317.D
Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	50.0	150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)





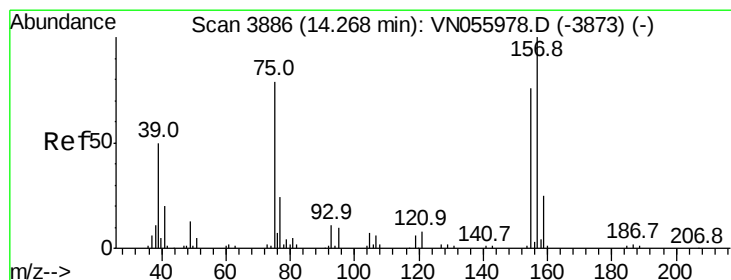
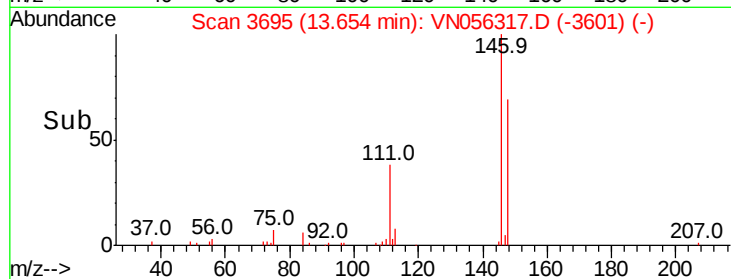
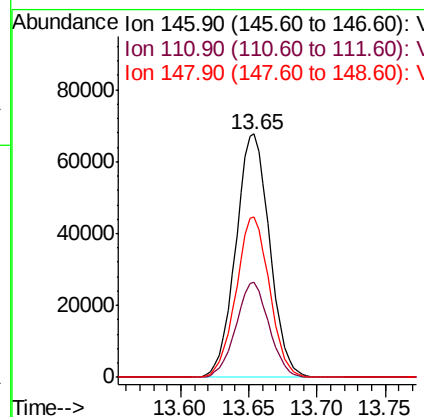
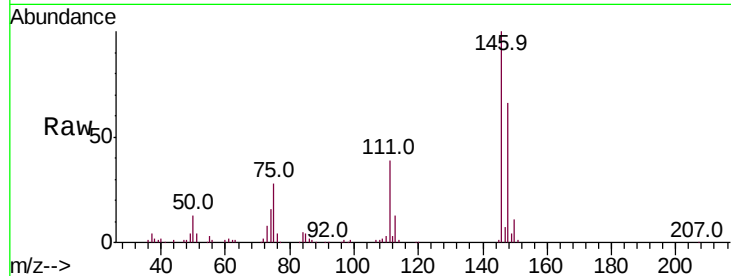
#91
 1,2-Dichlorobenzene
 Concen: 21.605 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	65.0	31.9	95.9

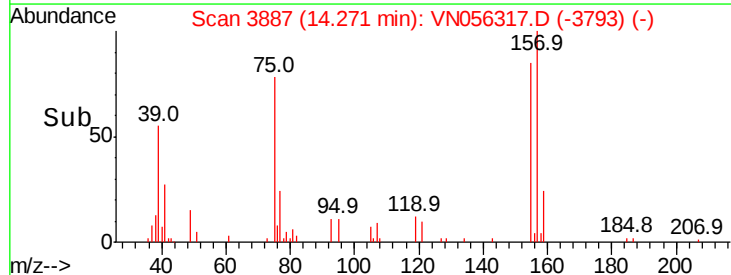
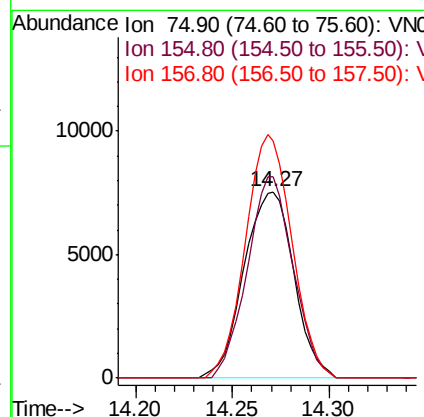
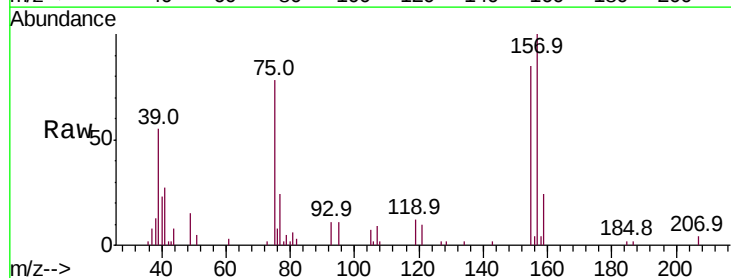
Manual Integrations
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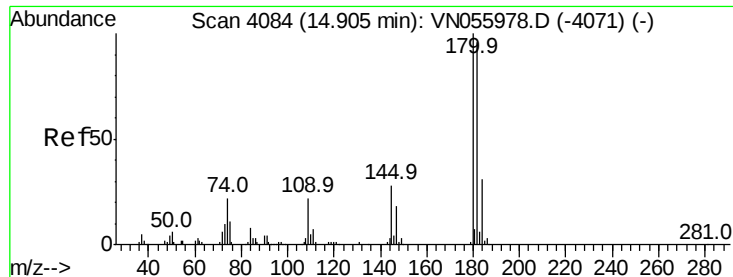
MMDadoda
 6/17/2019 9:45:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.254 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	50.0	150.1
157	122.0	64.8	194.3





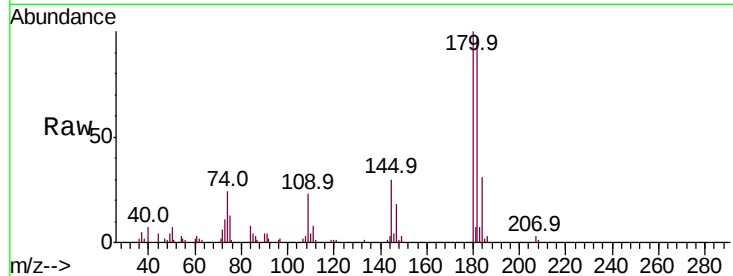
#93
 1,2,4-Trichlorobenzene
 Concen: 15.657 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0614WBSD02

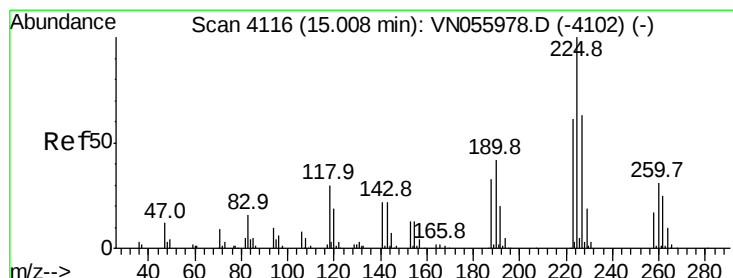
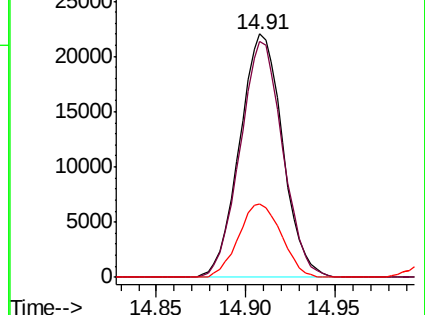
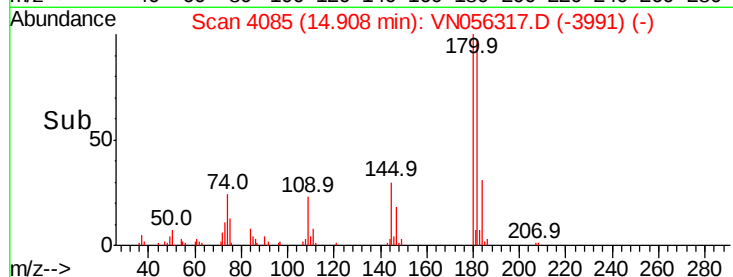
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.3	144.9
145	29.9	14.0	41.9

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 6/17/2019 9:45:34 AM

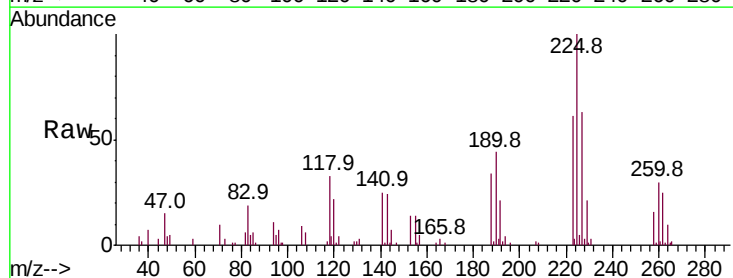


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

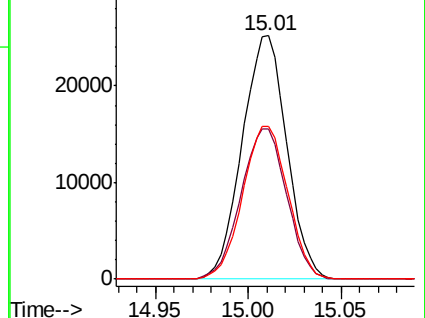
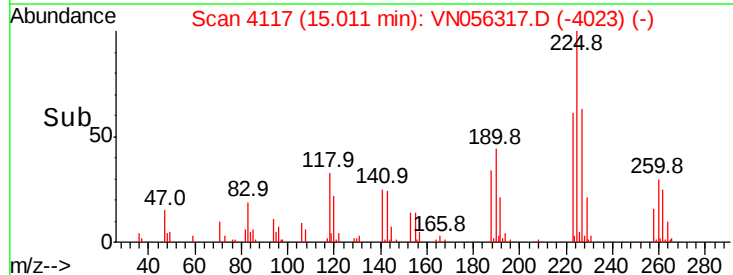


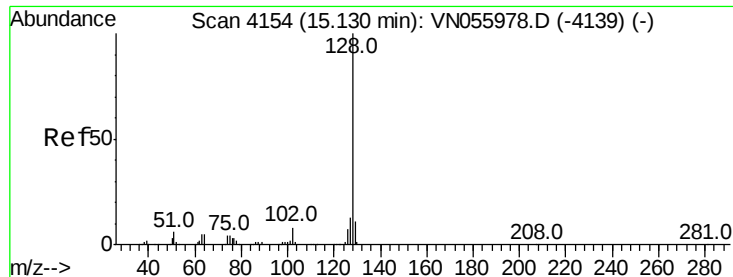
#94
 Hexachlorobutadiene
 Concen: 21.540 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056317.D
 Acq: 14 Jun 2019 17:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.7
227	63.5	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.491 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Instrument :

MSVOA_N

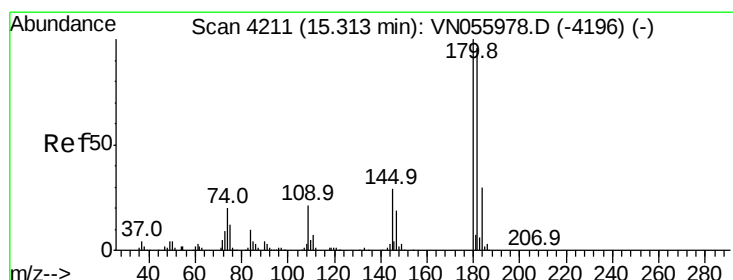
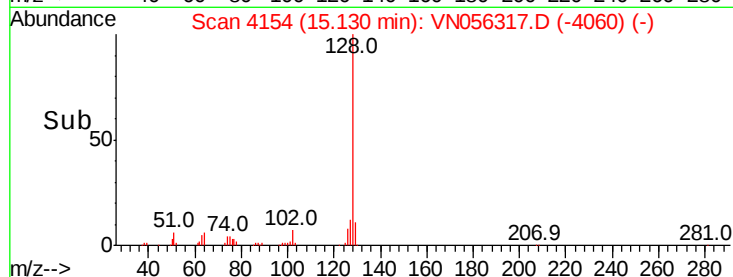
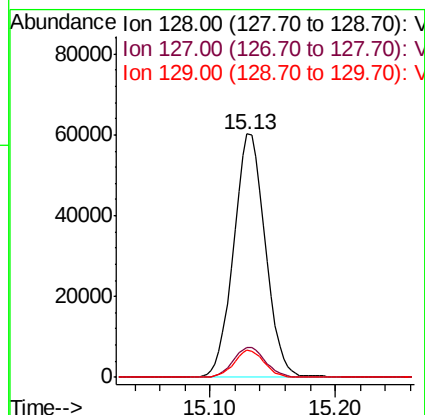
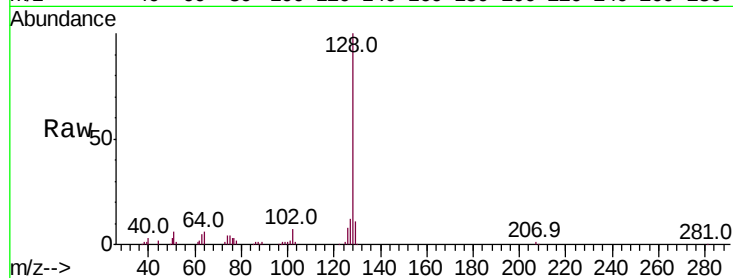
ClientSampleId :

VN0614WBSD02

Tot Ion:	128	Resp:	105643
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	10.5	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 17.245 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056317.D

Acq: 14 Jun 2019 17:14

Tgt Ion:	180	Resp:	45849
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.7
145	29.4	14.9	44.7

