

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059355.D
 Acq On : 22 Nov 2019 11:45
 Operator : JC/SP
 Sample : VN1122WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 2:43:20 PM

Quant Time: Nov 22 13:26:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:26:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	383756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	609066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	536132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	240411	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	7.57	113	193353	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.08	98	780640	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	12.40	95	271876	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87429	17.796	ug/l	98
3) Chloromethane	2.04	50	105866	17.590	ug/l	98
4) Vinyl Chloride	2.17	62	112956	18.229	ug/l	99
5) Bromomethane	2.54	94	61237	17.997	ug/l	100
6) Chloroethane	2.68	64	57899	17.120	ug/l	99
7) Trichlorofluoromethane	3.00	101	114533	17.164	ug/l	97
8) Diethyl Ether	3.39	74	50020	18.336	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74446	18.245	ug/l	99
10) Methyl Iodide	3.93	142	93761	18.489	ug/l	98
11) Tert butyl alcohol	4.75	59	80849	87.701	ug/l	98
12) 1,1-Dichloroethene	3.72	96	73222	17.679	ug/l	95
13) Acrolein	3.58	56	74287	88.276	ug/l	99
14) Allyl chloride	4.30	41	135858	17.559	ug/l	99
15) Acrylonitrile	4.95	53	219930	90.230	ug/l	98
16) Acetone	3.79	43	242729	117.570	ug/l	98
17) Carbon Disulfide	4.03	76	225655	17.476	ug/l	100
18) Methyl Acetate	4.29	43	125064	18.253	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	241201	18.030	ug/l	98
20) Methylene Chloride	4.53	84	84571	18.163	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	77184	17.584	ug/l	99
22) Diisopropyl ether	5.92	45	263221	18.068	ug/l	100
23) Vinyl Acetate	5.87	43	1016097	88.696	ug/l	100
24) 1,1-Dichloroethane	5.82	63	148572	18.119	ug/l	99
25) 2-Butanone	6.81	43	313160	97.547	ug/l	98
26) 2,2-Dichloropropane	6.80	77	125862	17.726	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	88392	17.848	ug/l	98
28) Bromochloromethane	7.17	49	63431	20.449	ug/l	96
29) Tetrahydrofuran	7.19	42	196733	88.625	ug/l	100
30) Chloroform	7.35	83	140732	17.597	ug/l	95
31) Cyclohexane	7.63	56	145018	17.887	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	121270	17.738	ug/l	99
36) 1,1-Dichloropropene	7.77	75	109508	17.416	ug/l	99
37) Ethyl Acetate	6.90	43	118898	17.595	ug/l	99
38) Carbon Tetrachloride	7.75	117	107831	17.914	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:26:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	136188	17.962	ug/l	99
40) Benzene	8.02	78	331842	17.982	ug/l	99
41) Methacrylonitrile	7.16	41	58834m	18.736	ug/l	
42) 1,2-Dichloroethane	8.11	62	109310	17.910	ug/l	100
43) Isopropyl Acetate	8.15	43	183665	17.784	ug/l	99
44) Trichloroethene	8.82	130	83613	17.877	ug/l	97
45) 1,2-Dichloropropane	9.10	63	87685	17.819	ug/l	96
46) Dibromomethane	9.19	93	54185	17.951	ug/l	99
47) Bromodichloromethane	9.39	83	108414	17.934	ug/l	99
48) Methyl methacrylate	9.19	41	80203	17.078	ug/l	97
49) 1,4-Dioxane	9.19	88	26346	376.831	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	572527	94.713	ug/l	99
52) Toluene	10.15	92	201733	18.180	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	123533	17.579	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	137581	18.043	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	78268	18.141	ug/l	99
56) Ethyl methacrylate	10.42	69	117389	17.597	ug/l	100
57) 1,3-Dichloropropane	10.70	76	136645	18.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	211974	94.817	ug/l	100
59) 2-Hexanone	10.75	43	428678	96.847	ug/l	99
60) Dibromochloromethane	10.90	129	80794	17.771	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80073	17.837	ug/l	100
64) Tetrachloroethene	10.63	164	78924	19.034	ug/l	98
65) Chlorobenzene	11.43	112	208482	18.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	77049	18.398	ug/l	100
67) Ethyl Benzene	11.51	91	381301	18.525	ug/l	100
68) m/p-Xylenes	11.62	106	282602	36.950	ug/l	99
69) o-Xylene	11.95	106	135841	18.552	ug/l	99
70) Styrene	11.96	104	209728	18.153	ug/l	99
71) Bromoform	12.13	173	58043	18.300	ug/l #	99
73) Isopropylbenzene	12.25	105	366547	18.573	ug/l	100
74) N-amyl acetate	12.07	43	140517	17.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	116096	17.783	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	109157m	19.612	ug/l	
77) Bromobenzene	12.53	156	86774	18.127	ug/l	99
78) n-propylbenzene	12.59	91	417964	18.696	ug/l	99
79) 2-Chlorotoluene	12.68	91	247366	18.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	302476	18.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40082	18.012	ug/l	99
82) 4-Chlorotoluene	12.77	91	249818	17.593	ug/l	98
83) tert-Butylbenzene	12.99	119	261025	18.629	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	299433	18.425	ug/l	100
85) sec-Butylbenzene	13.17	105	349759	18.572	ug/l	100
86) p-Isopropyltoluene	13.29	119	314919	18.792	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	151133	17.729	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	149585	17.735	ug/l	99
89) n-Butylbenzene	13.62	91	265524	18.062	ug/l	99
90) Hexachloroethane	13.88	117	57006	17.962	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	148557	18.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23805	17.151	ug/l	93

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ClientSampleId :
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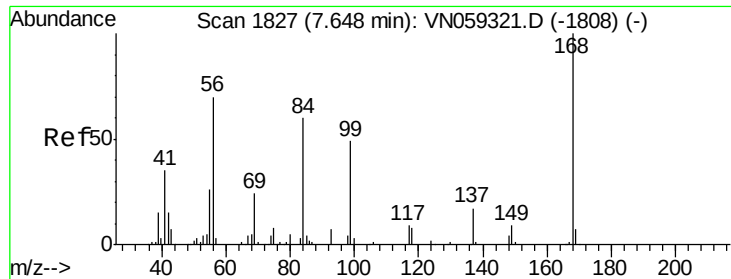
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80180	17.650	ug/l	98
94) Hexachlorobutadiene	15.01	225	54013	18.177	ug/l	99
95) Naphthalene	15.13	128	216673	17.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	81234	17.422	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion:168 Resp: 383756

Ion Ratio Lower Upper

168 100

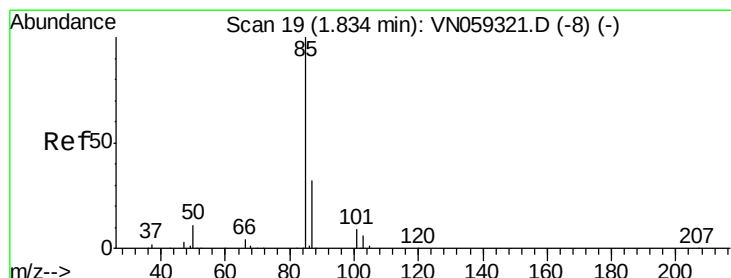
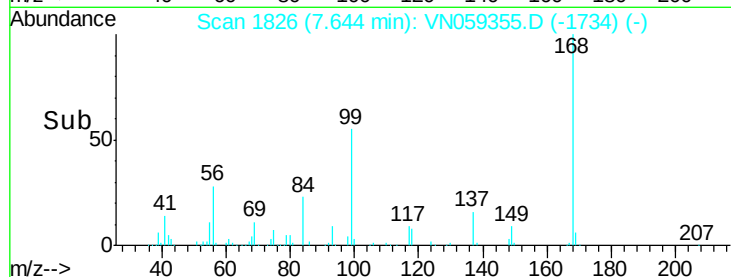
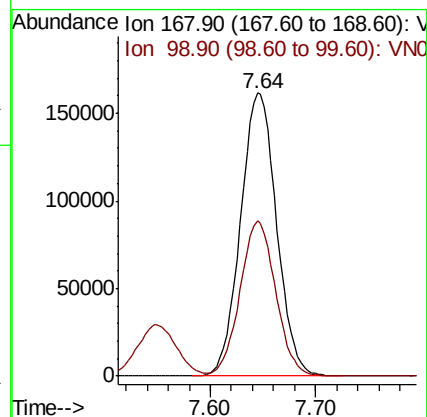
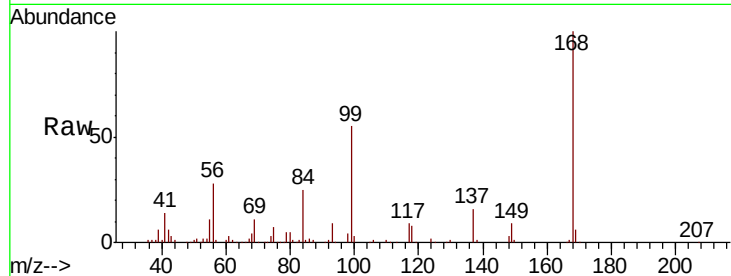
99 54.7 44.6 66.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.796 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059355.D

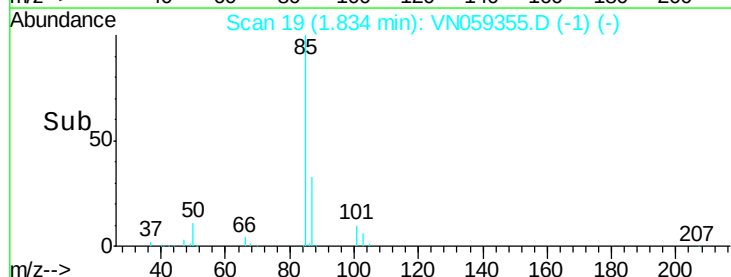
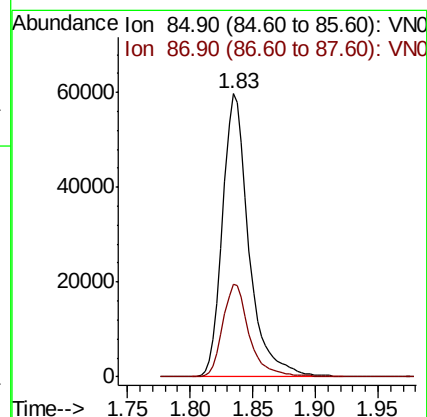
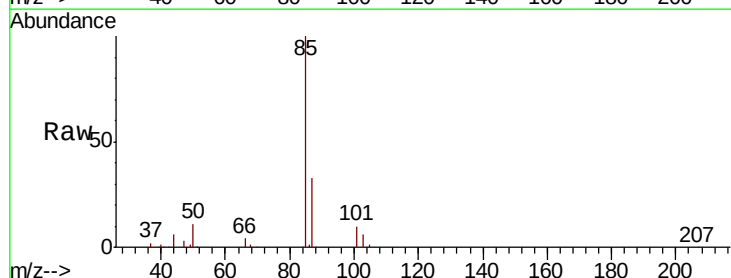
Acq: 22 Nov 2019 11:45

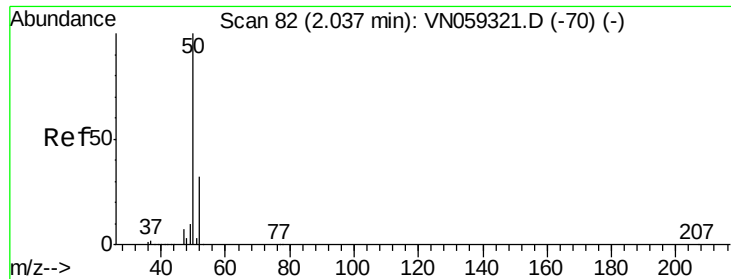
Tgt Ion: 85 Resp: 87429

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0





#3

Chloromethane

Concen: 17.590 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 50 Resp: 105866

Ion Ratio Lower Upper

50 100

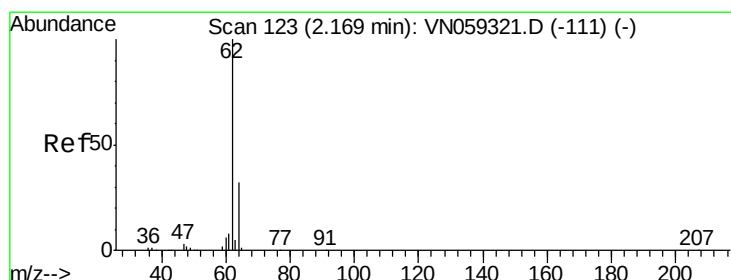
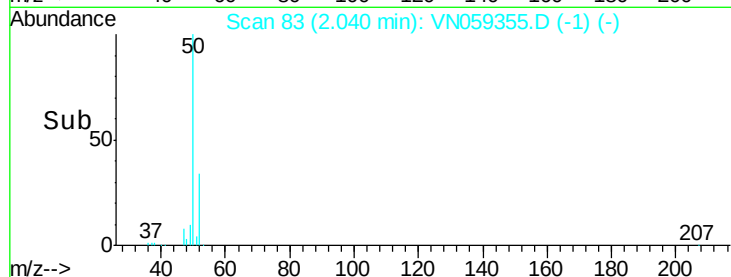
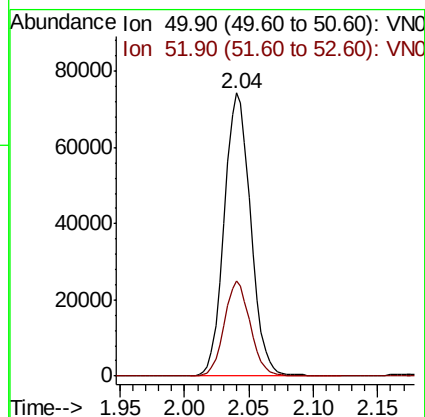
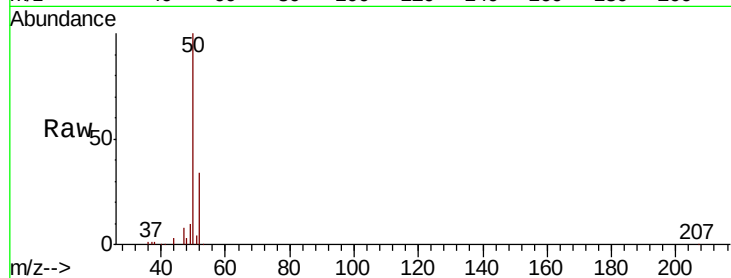
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.229 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059355.D

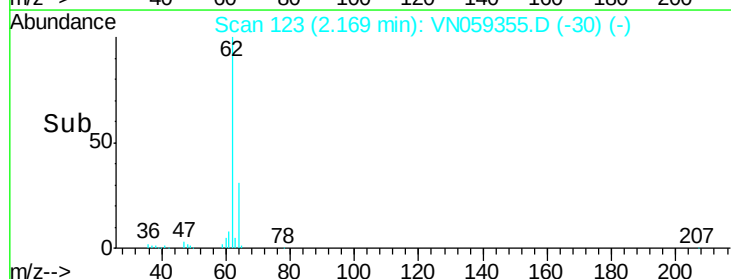
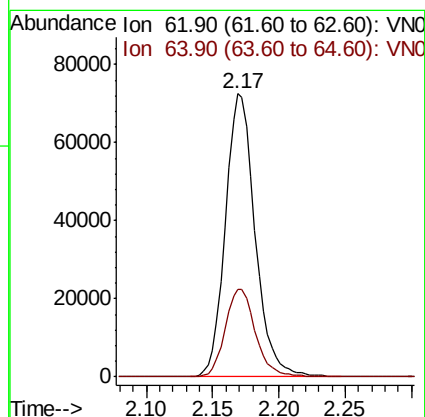
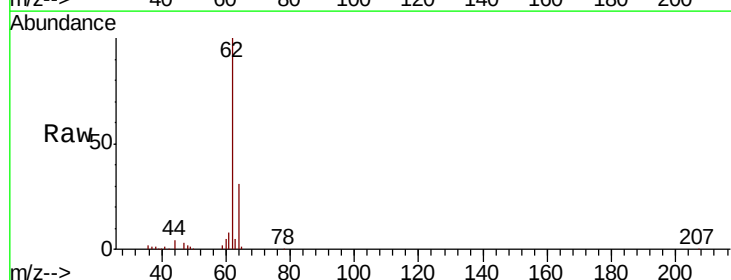
Acq: 22 Nov 2019 11:45

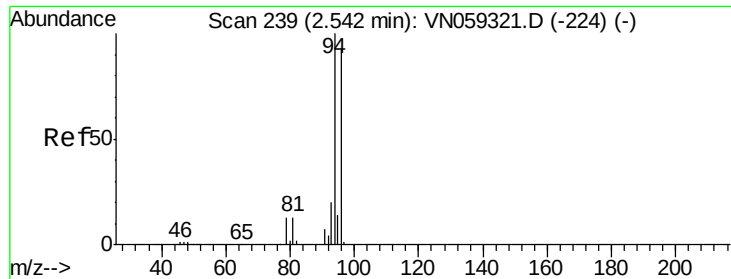
Tgt Ion: 62 Resp: 112956

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0





#5

Bromomethane

Concen: 17.997 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 94 Resp: 61237

Ion Ratio Lower Upper

94 100

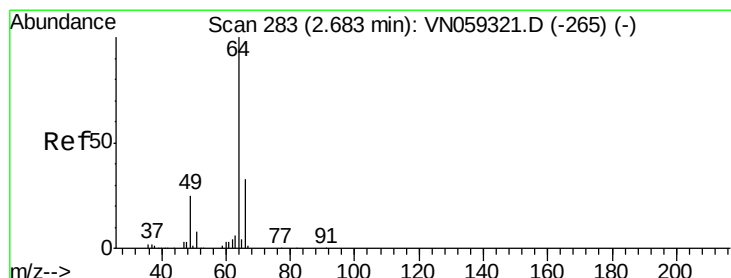
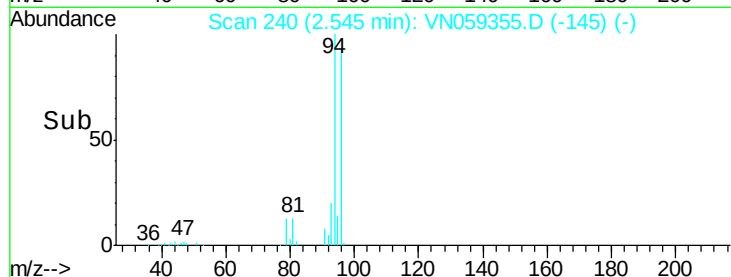
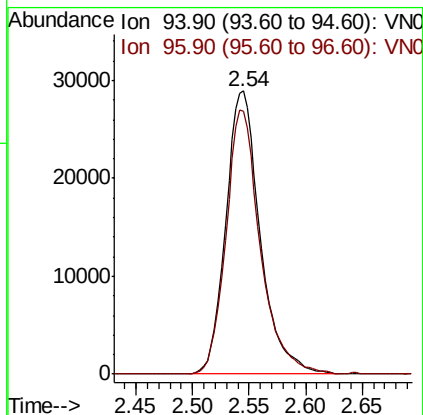
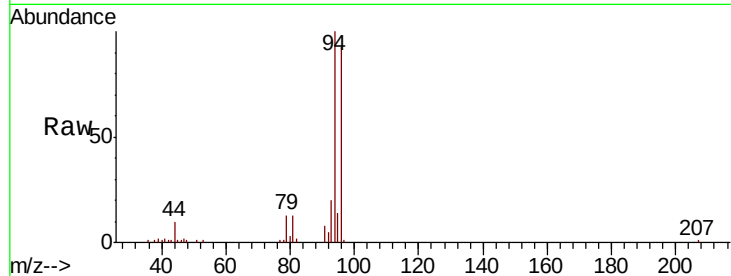
96 92.9 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 17.120 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059355.D

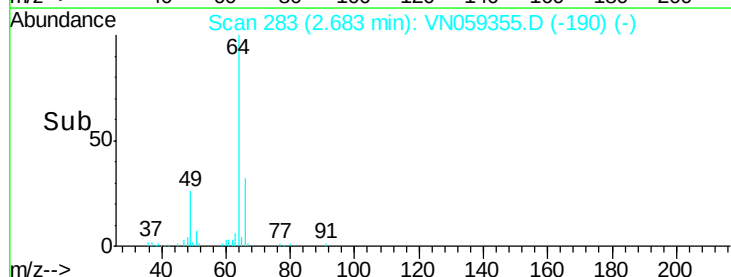
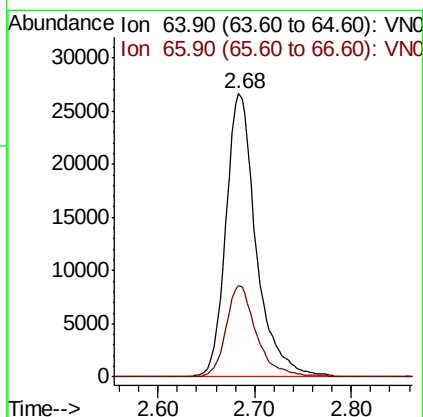
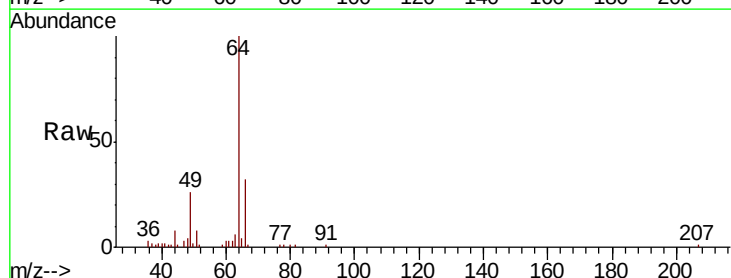
Acq: 22 Nov 2019 11:45

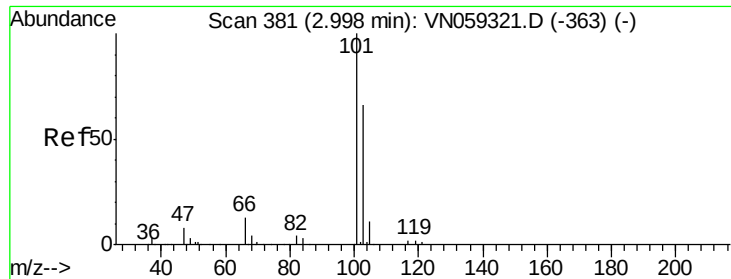
Tgt Ion: 64 Resp: 57899

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2





#7

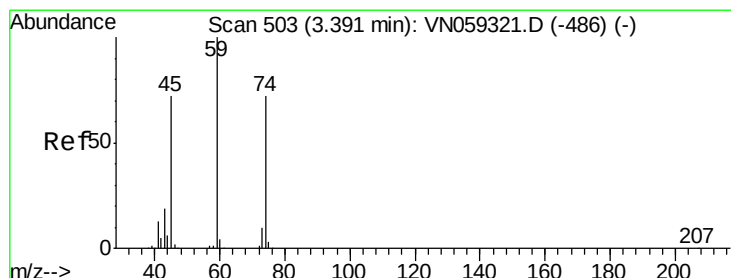
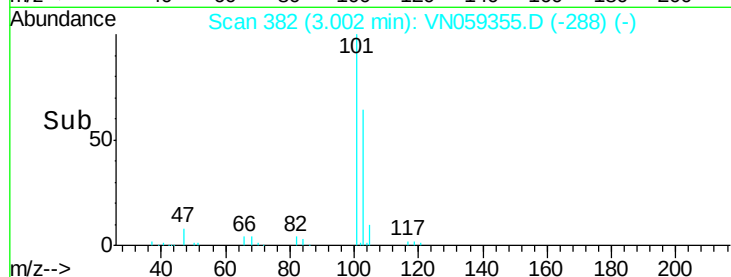
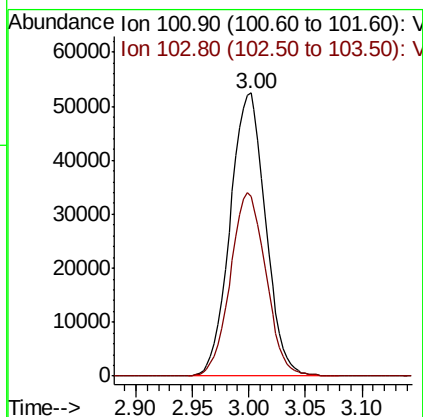
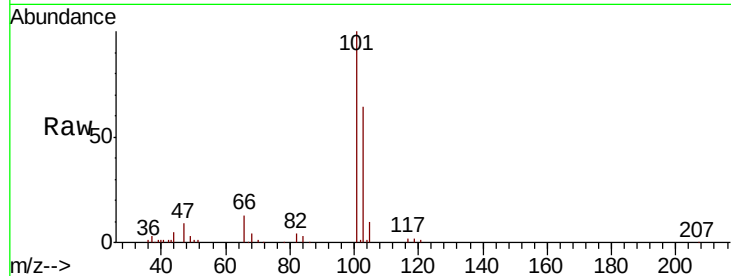
Trichlorofluoromethane
Concen: 17.164 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
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ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.5	78.7

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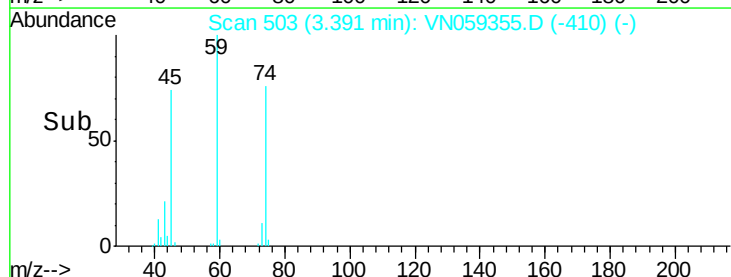
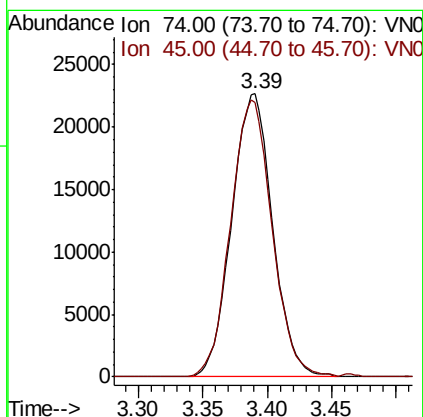
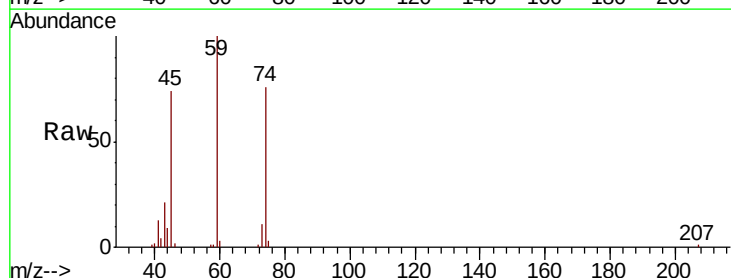
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11/26/2019 2:43:20 PM

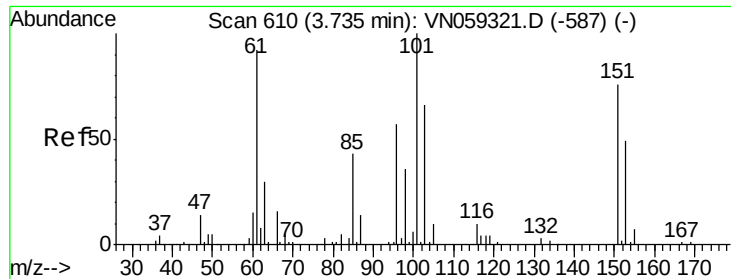


#8

Diethyl Ether
Concen: 18.336 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	51.7	155.2





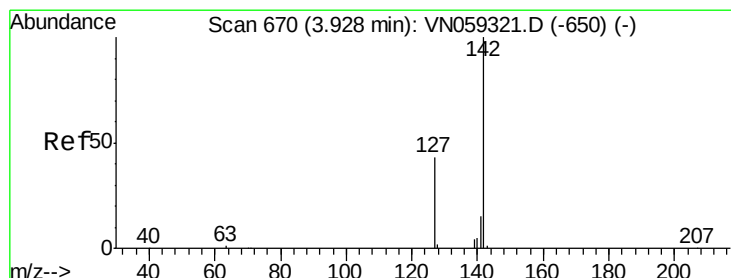
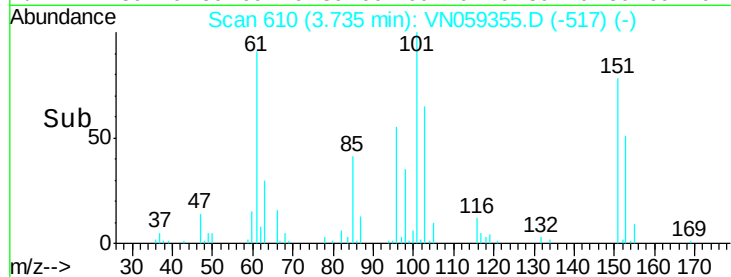
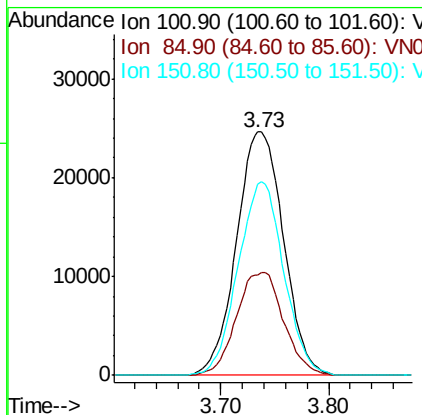
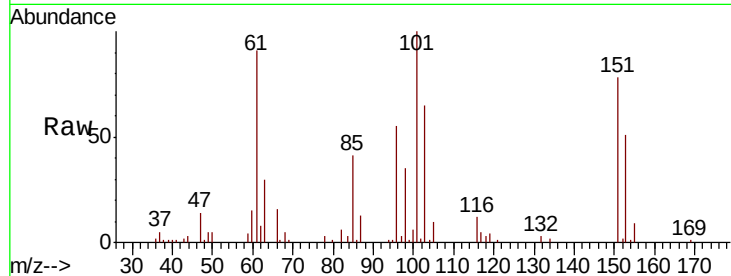
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.245 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059355.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	42.4	34.8	52.2
151	77.2	62.2	93.4

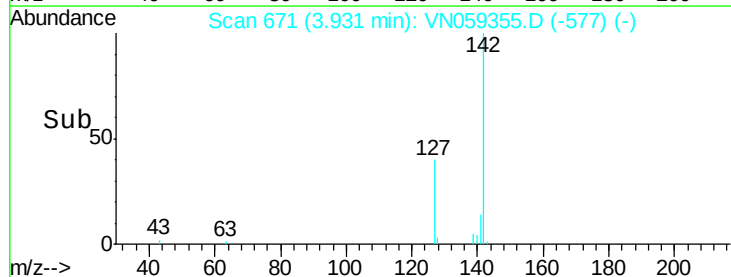
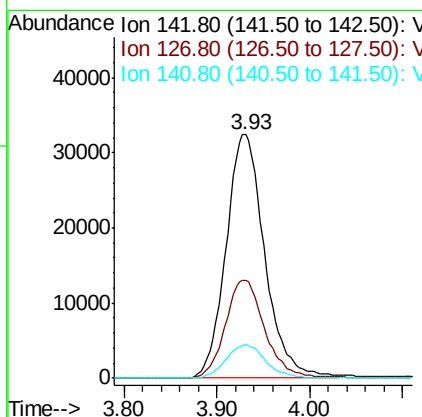
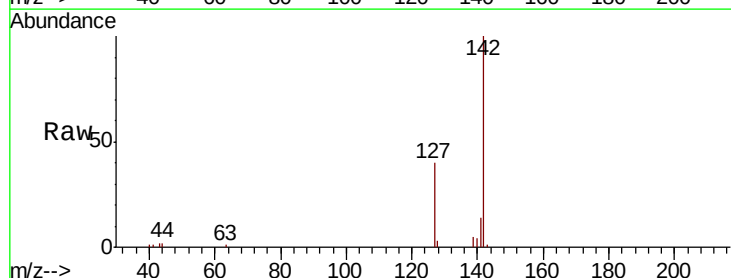
Manual Integrations
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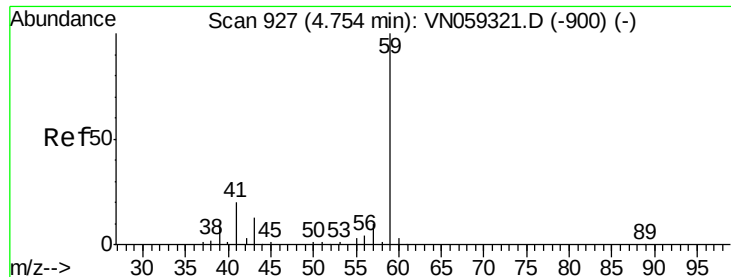
MMDadoda
 11/26/2019 2:43:20 PM



#10
 Methyl Iodide
 Concen: 18.489 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.9	33.8	50.6
141	13.9	11.2	16.8





#11

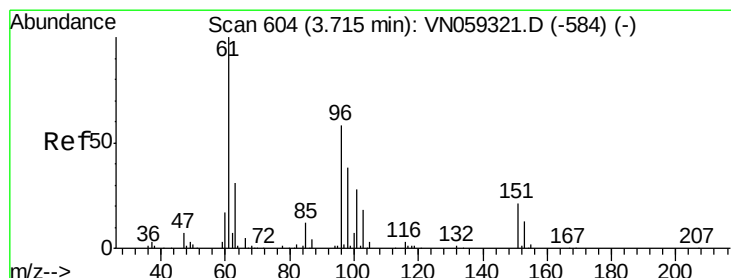
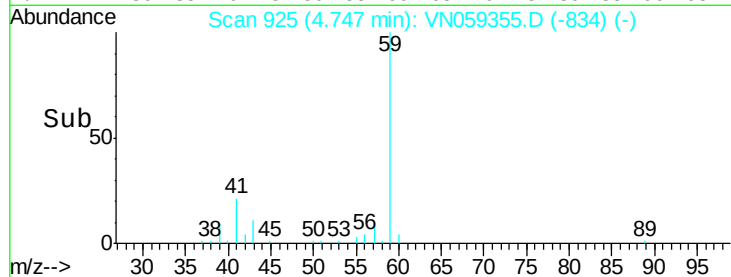
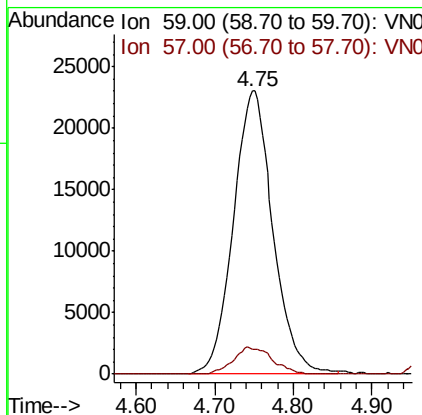
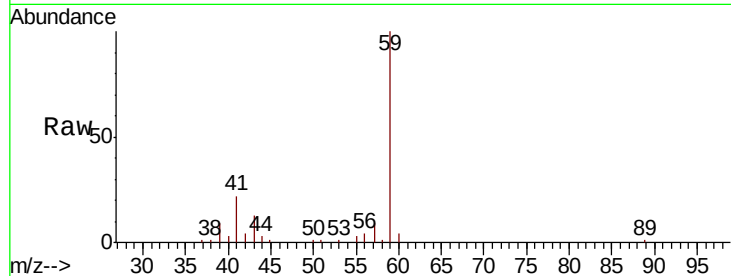
Tert butyl alcohol
 Concen: 87.701 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.2

Manual Integrations
 APPROVED

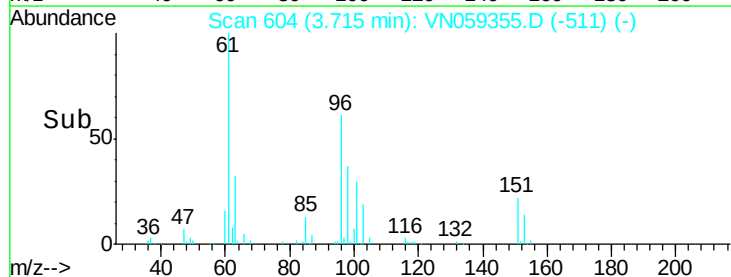
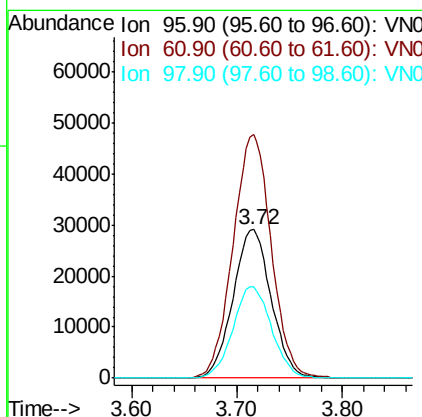
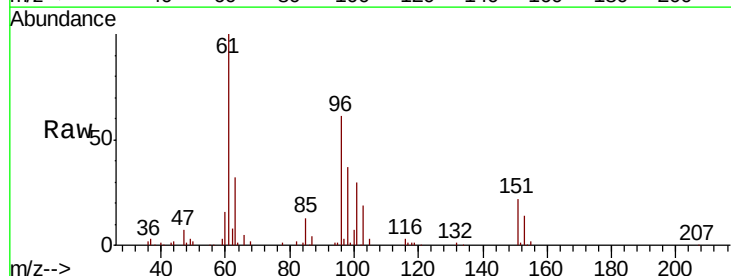
MMDadoda
 11/26/2019 2:43:20 PM

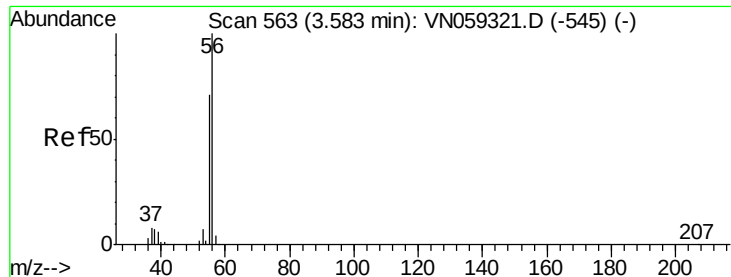


#12

1,1-Dichloroethene
 Concen: 17.679 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.1	136.8	205.2
98	61.5	51.6	77.4





#13

Acrolein

Concen: 88.276 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 56 Resp: 74287

Ion Ratio Lower Upper

56 100

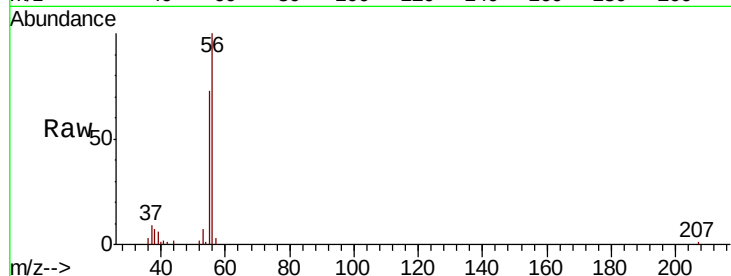
55 72.4 57.4 86.0

Manual Integrations

APPROVED

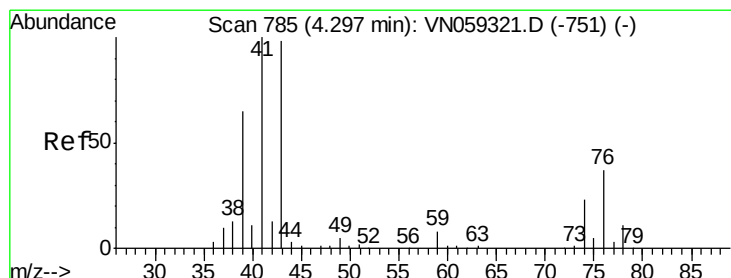
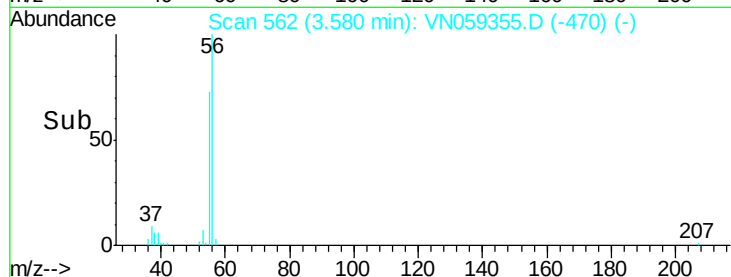
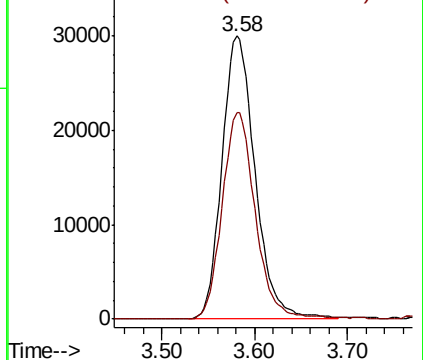
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.559 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

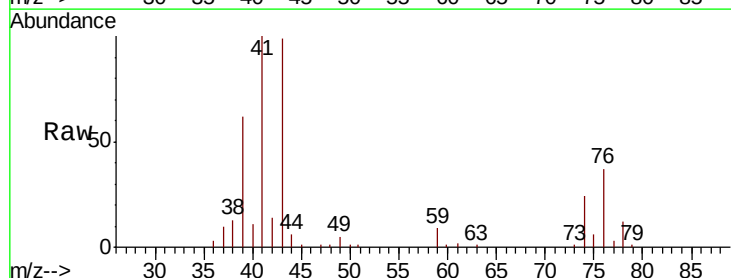
Tgt Ion: 41 Resp: 135858

Ion Ratio Lower Upper

41 100

39 59.0 48.4 72.6

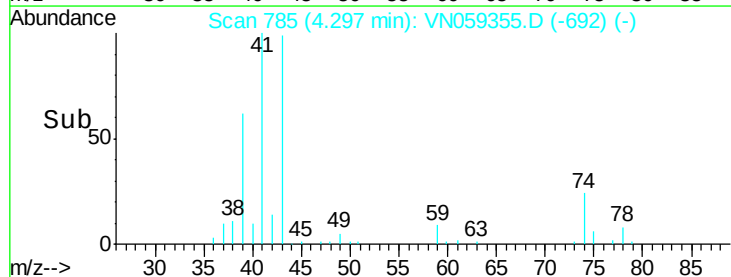
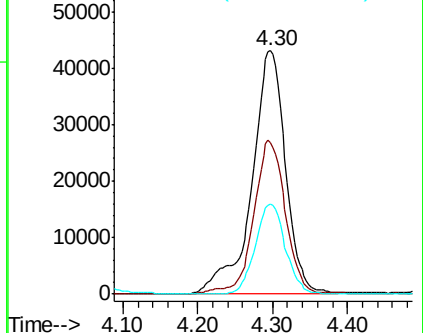
76 33.0 26.2 39.4

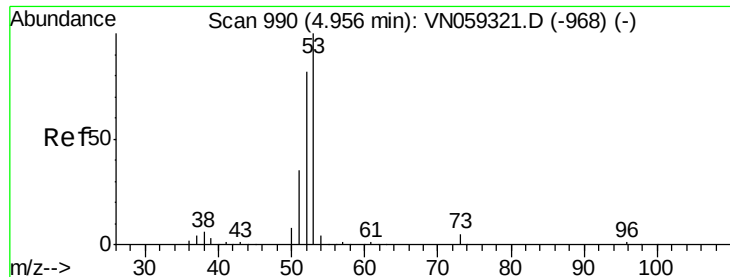


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 90.230 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

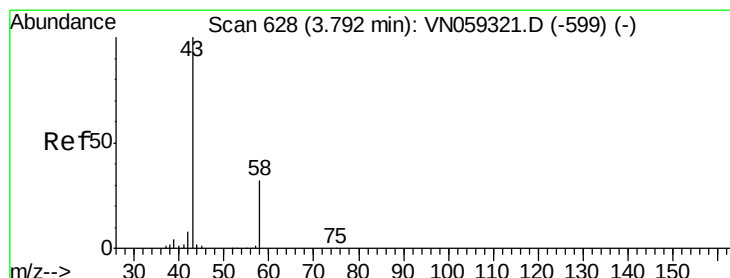
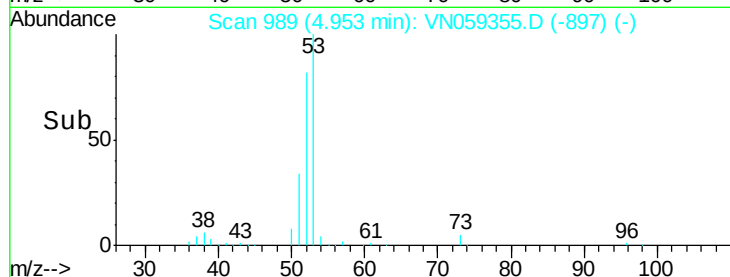
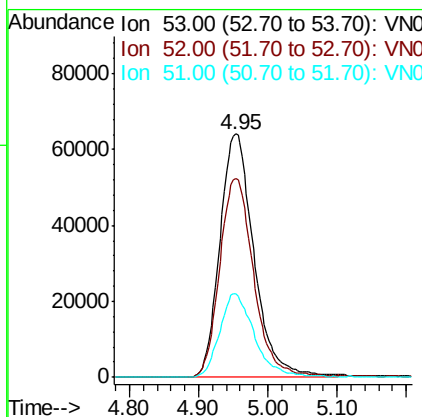
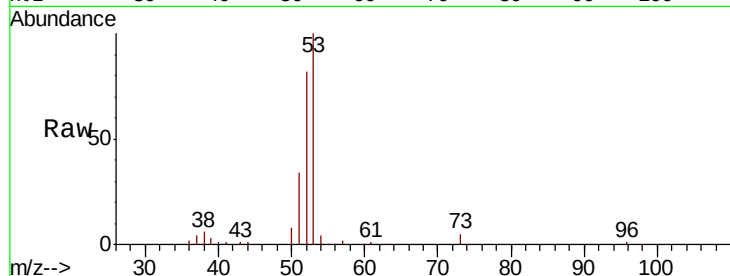
ClientSampleId :

VN1122WBS01

Tot Ion:	53	Resp:	219930
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.8	98.8
51	34.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 117.570 ug/l

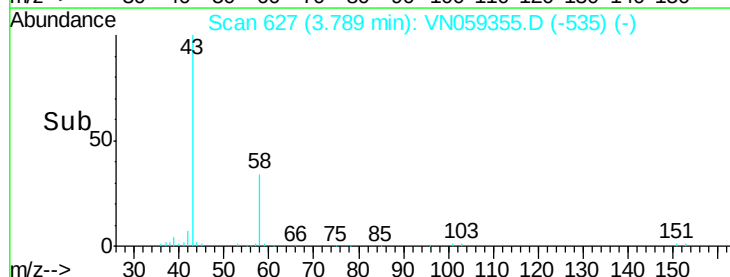
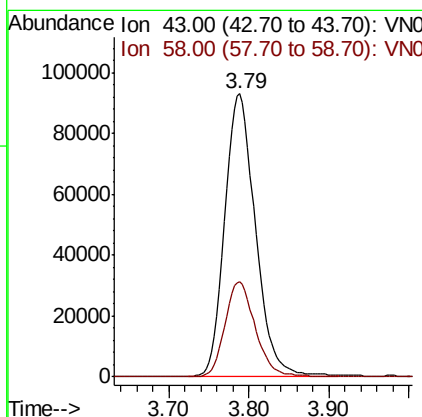
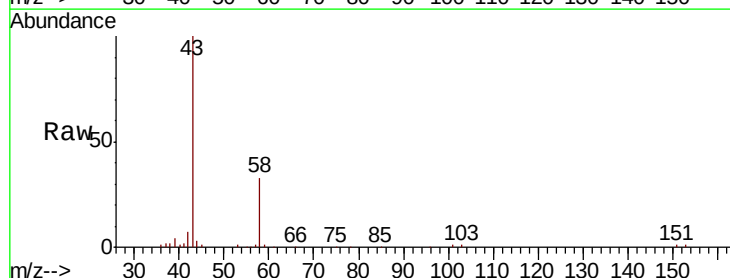
RT: 3.79 min Scan# 627

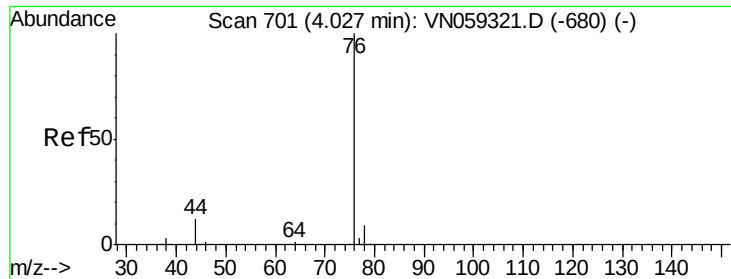
Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Tgt Ion:	43	Resp:	242729
Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.8	38.6





#17

Carbon Disulfide

Concen: 17.476 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 76 Resp: 225655

Ion Ratio Lower Upper

76 100

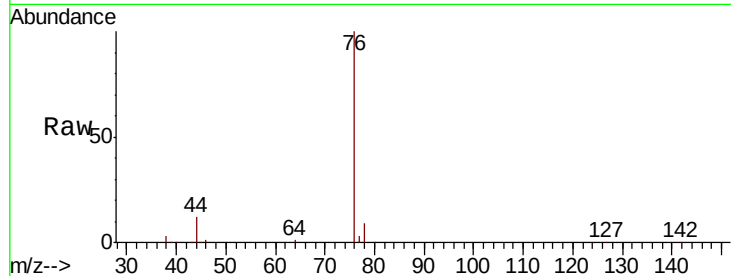
78 9.0 7.2 10.8

Manual Integrations

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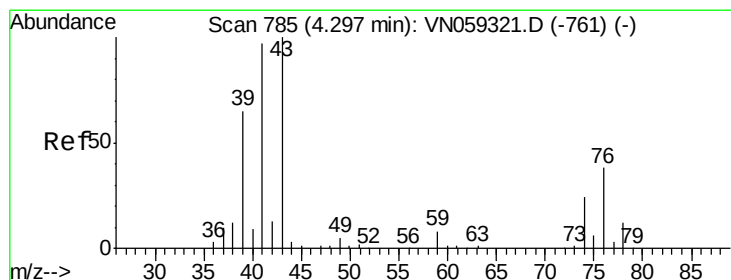
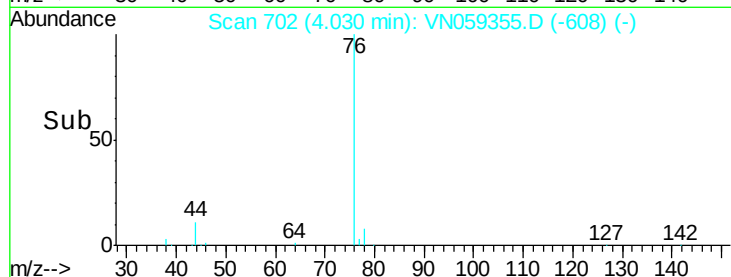
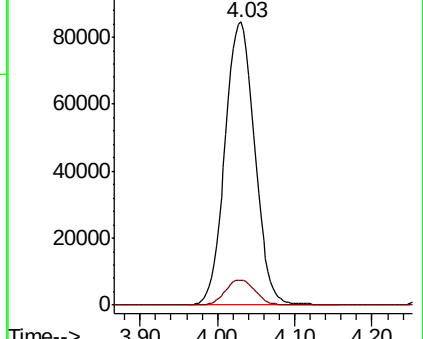
MMDadoda

11/26/2019 2:43:20 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.253 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059355.D

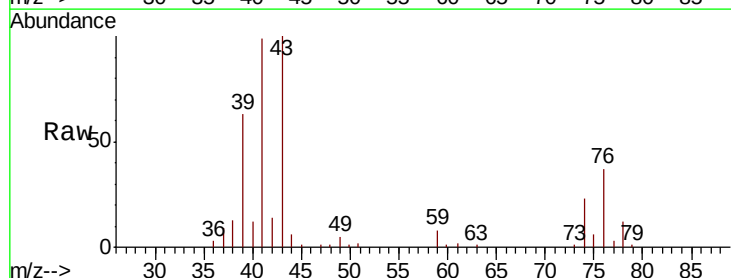
Acq: 22 Nov 2019 11:45

Tgt Ion: 43 Resp: 125064

Ion Ratio Lower Upper

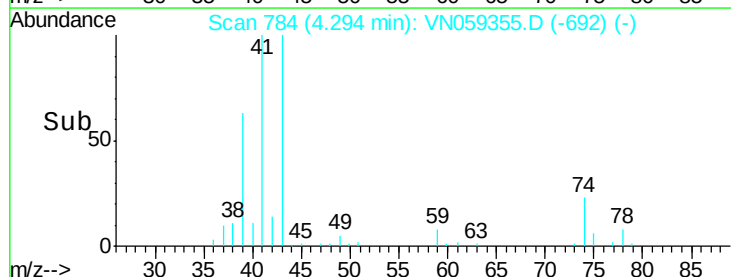
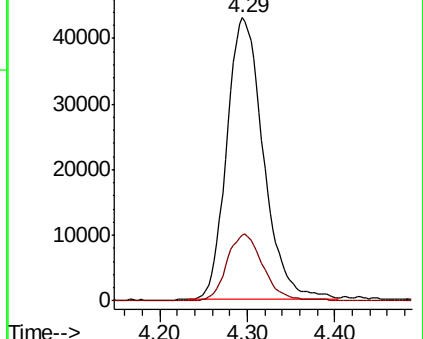
43 100

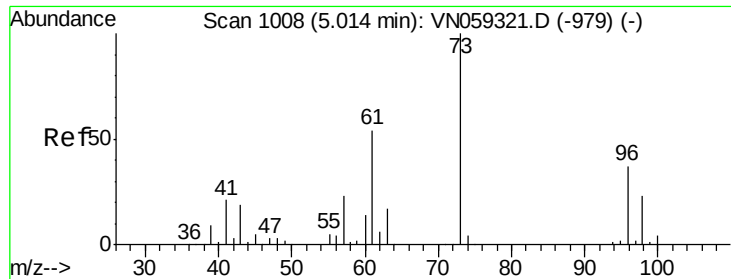
74 23.2 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





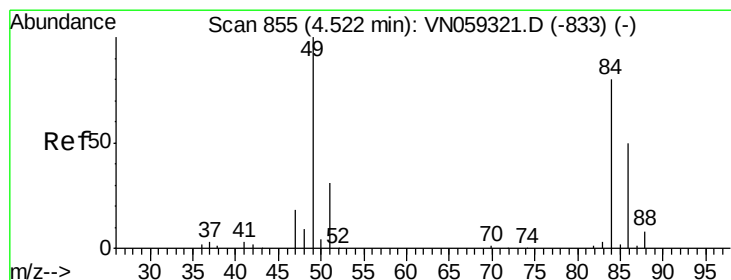
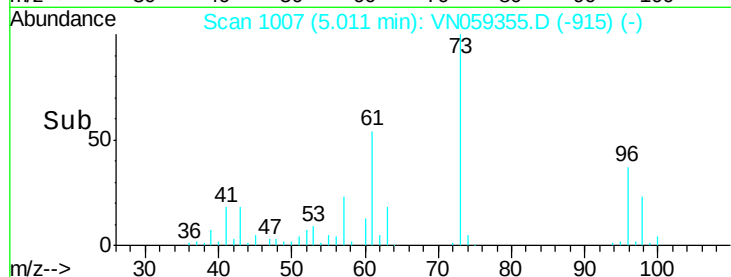
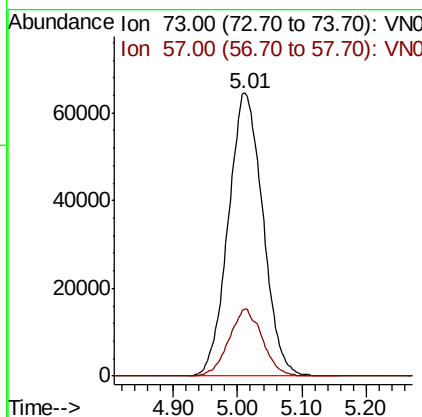
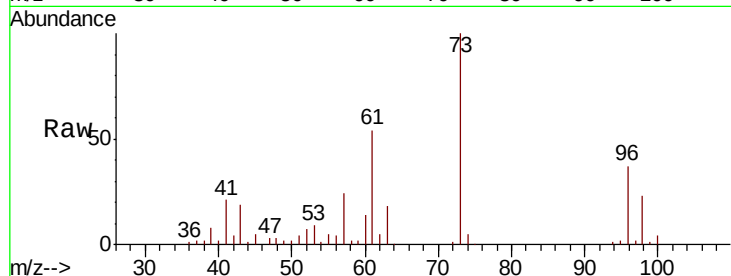
#19
Methyl tert-butyl Ether
Concen: 18.030 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion: 73 Resp: 241201
Ion Ratio Lower Upper
73 100
57 23.9 18.4 27.6

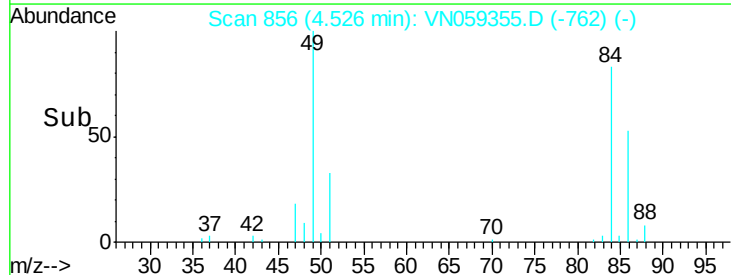
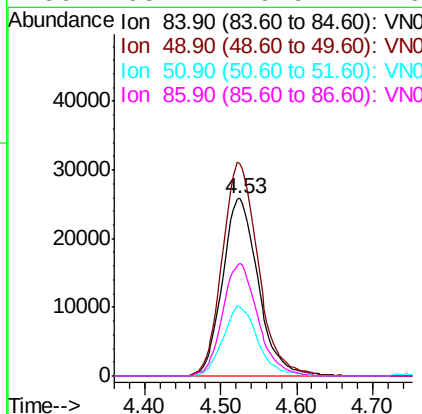
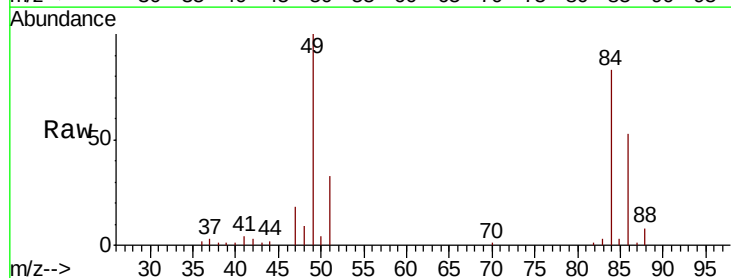
Manual Integrations
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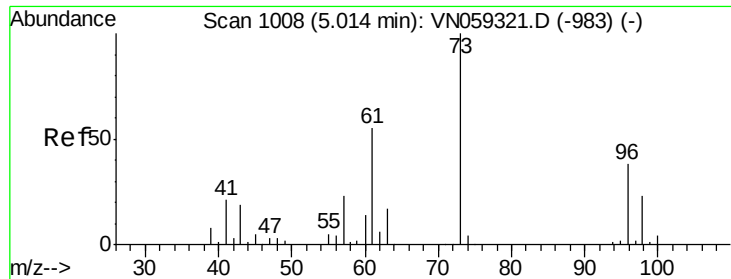
MMDadoda
11/26/2019 2:43:20 PM



#20
Methylene Chloride
Concen: 18.163 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion: 84 Resp: 84571
Ion Ratio Lower Upper
84 100
49 119.9 99.5 149.3
51 39.1 31.1 46.7
86 63.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 17.584 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 96 Resp: 77184

Ion Ratio Lower Upper

96 100

61 145.9 116.4 174.6

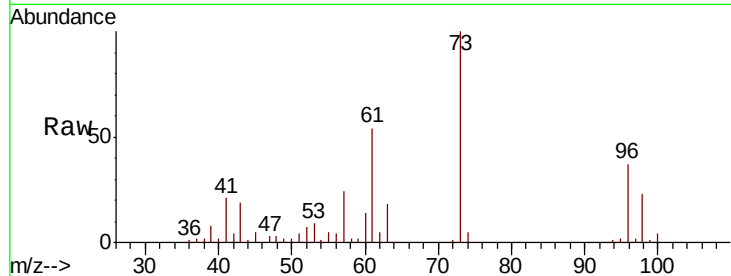
98 62.8 49.6 74.4

Manual Integrations

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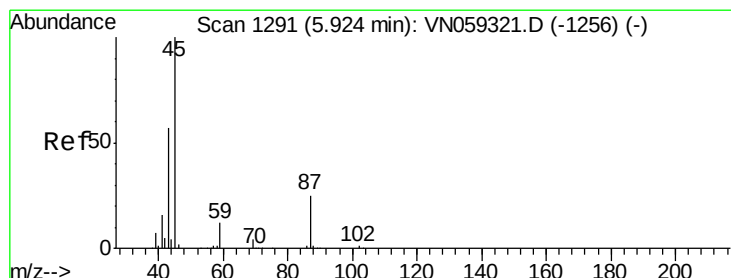
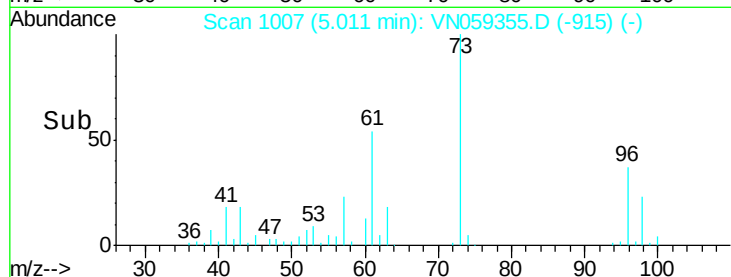
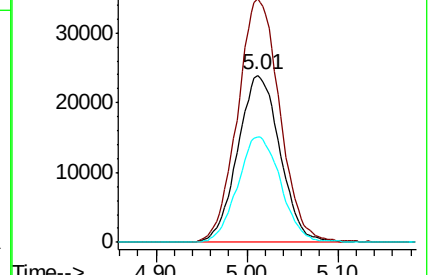
11/26/2019 2:43:20 PM



Abundance Ion 95.90 (95.60 to 96.60): VN059321.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059321.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059321.D (-983) (-)



#22

Diisopropyl ether

Concen: 18.068 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Tgt Ion: 45 Resp: 263221

Ion Ratio Lower Upper

45 100

43 60.0 47.6 71.4

87 25.9 20.7 31.1

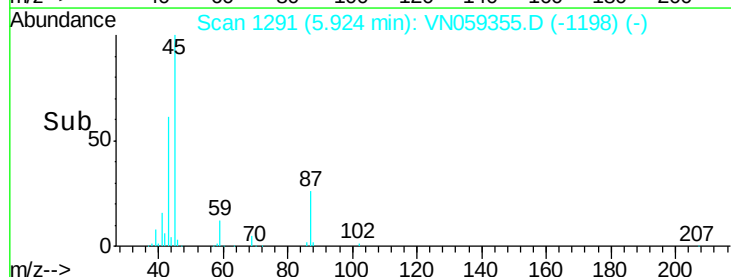
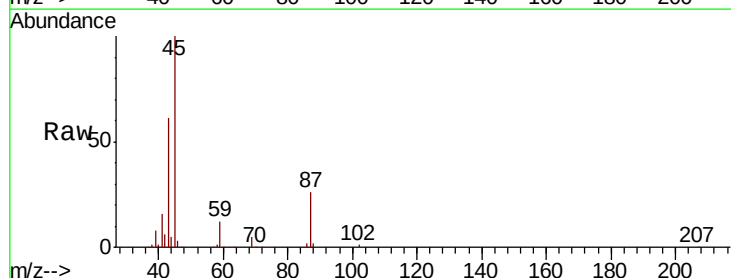
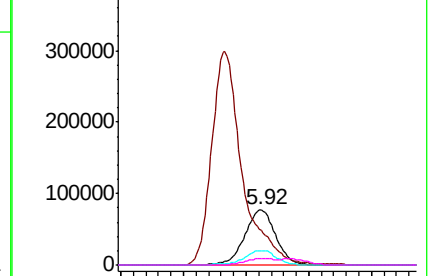
59 11.8 9.4 14.2

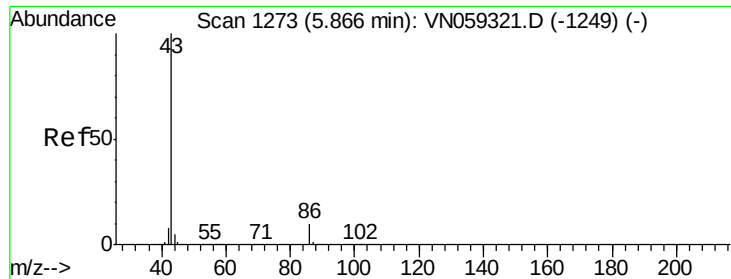
Abundance Ion 45.00 (44.70 to 45.70): VN059321.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN059321.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN059321.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN059321.D (-1256) (-)





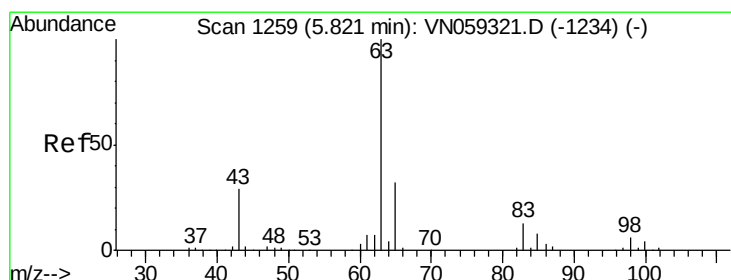
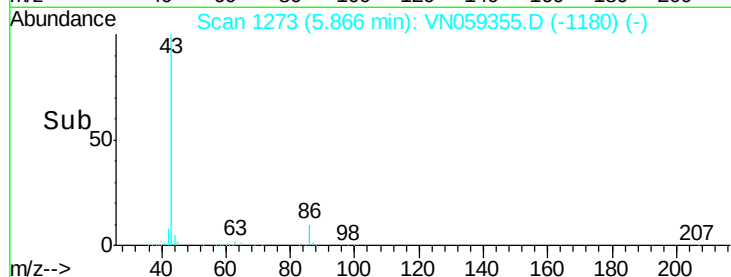
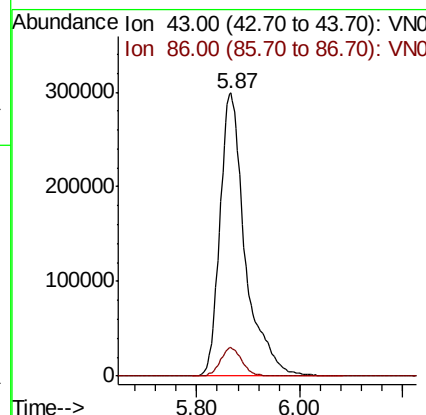
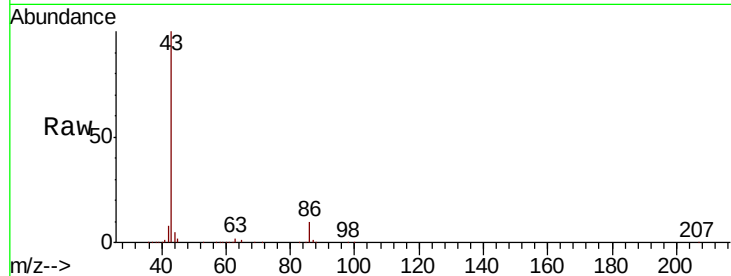
#23
 Vinyl Acetate
 Concen: 88.696 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion: 43 Resp: 1016097
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.0 12.0

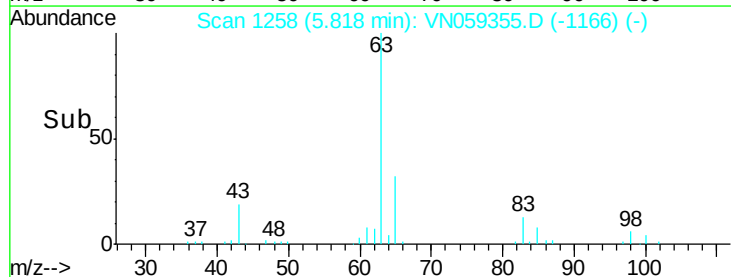
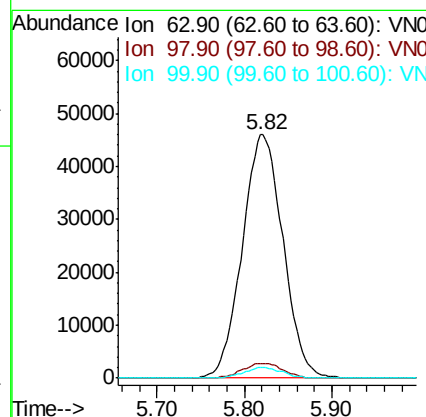
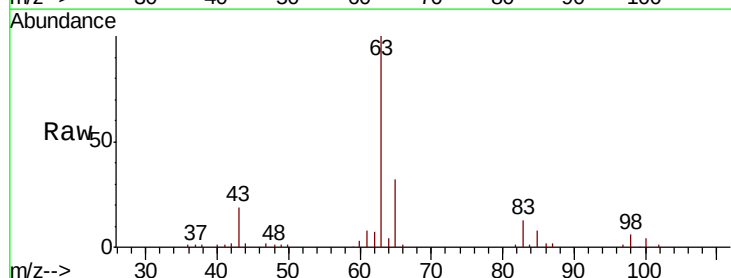
Manual Integrations
 APPROVED

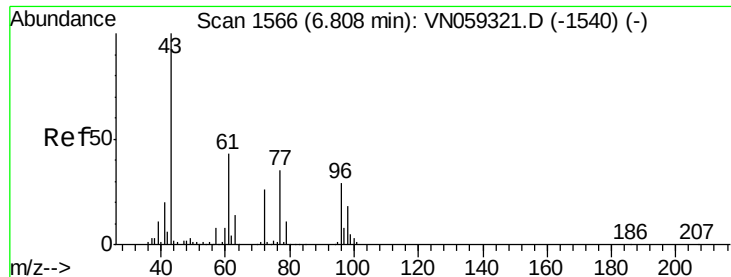
MMDadoda
 11/26/2019 2:43:20 PM



#24
 1,1-Dichloroethane
 Concen: 18.119 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion: 63 Resp: 148572
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 4.4 1.9 5.7





#25

2-Butanone

Concen: 97.547 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 43 Resp: 313160

Ion Ratio Lower Upper

43 100

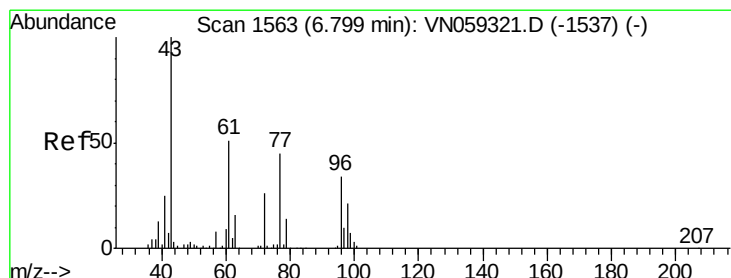
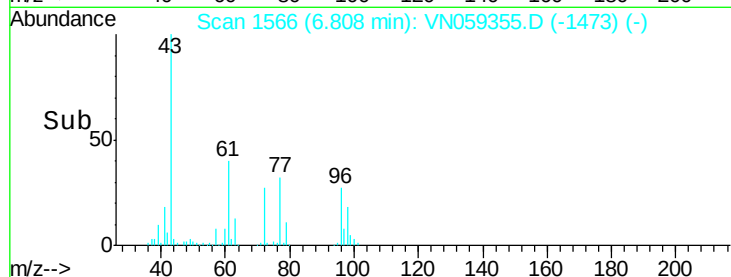
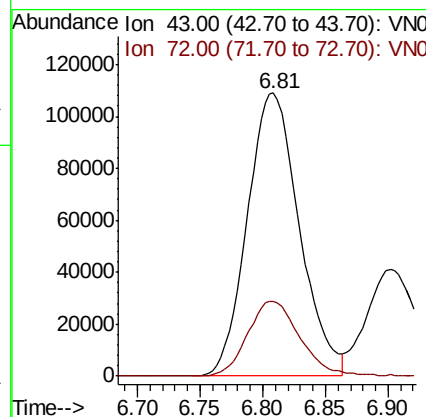
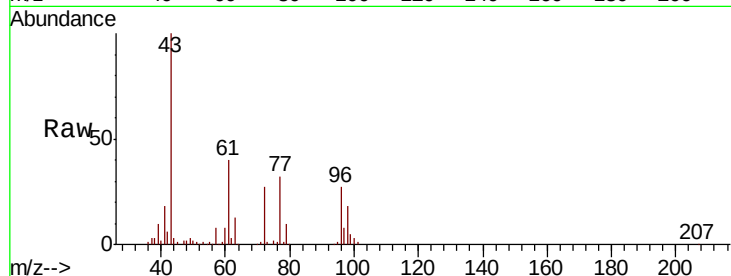
72 26.7 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

11/26/2019 2:43:20 PM



#26

2,2-Dichloropropane

Concen: 17.726 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059355.D

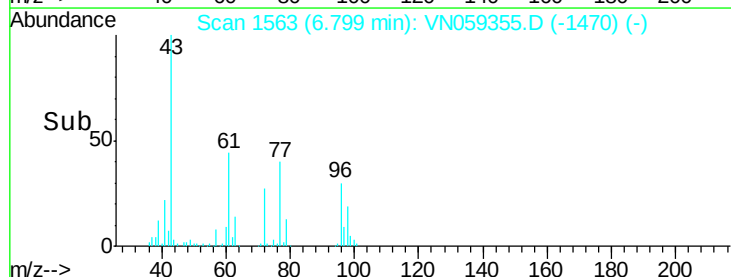
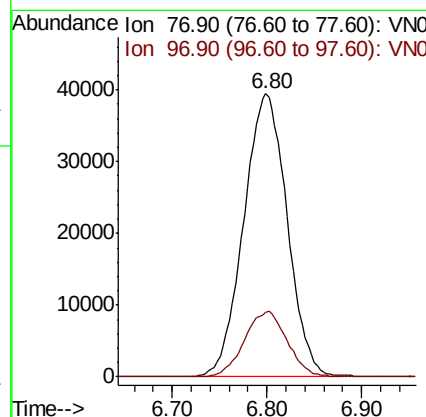
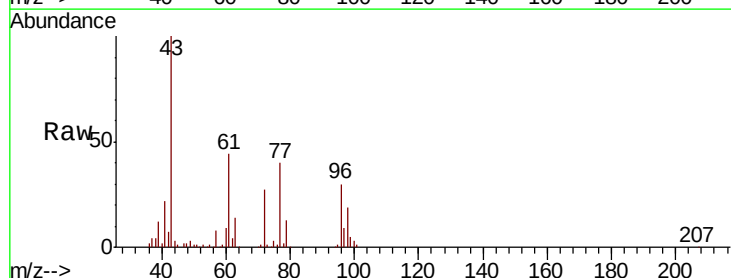
Acq: 22 Nov 2019 11:45

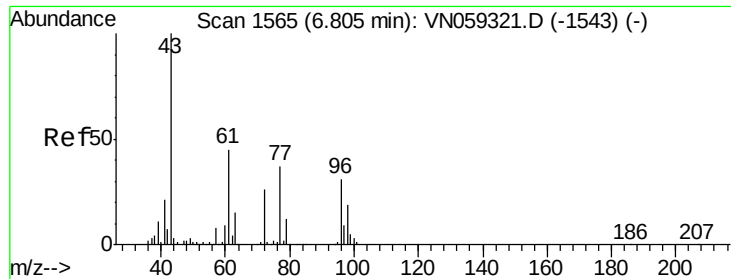
Tgt Ion: 77 Resp: 125862

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 17.848 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

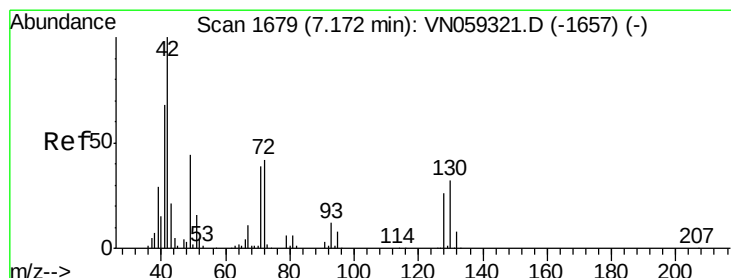
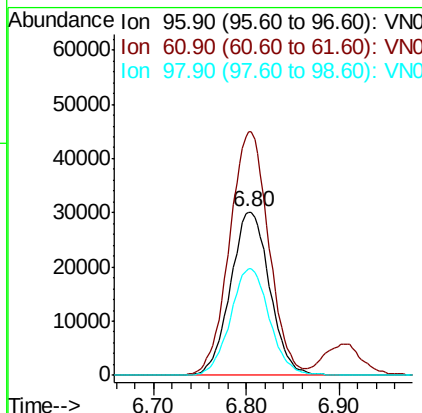
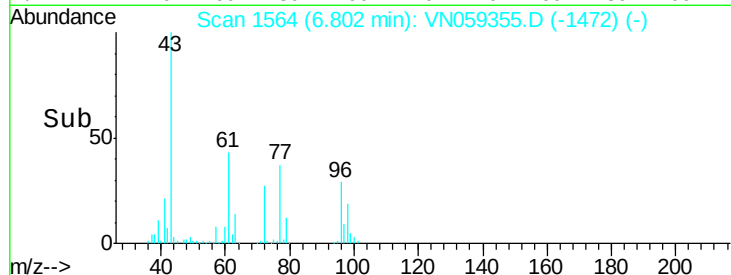
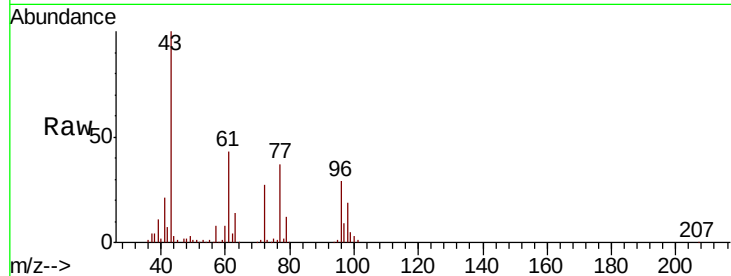
ClientSampleId :

VN1122WBS01

Tot Ion:	96	Resp:	88392
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	304.0
98	65.0	0.0	128.4

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#28

Bromochloromethane

Concen: 20.449 ug/l

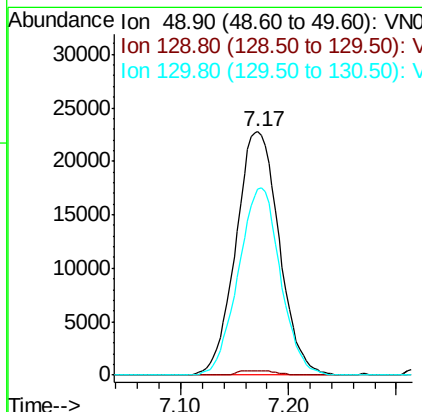
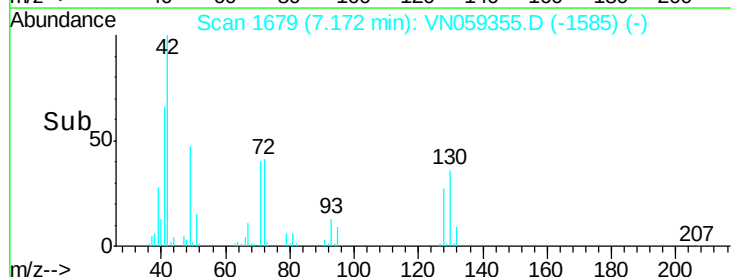
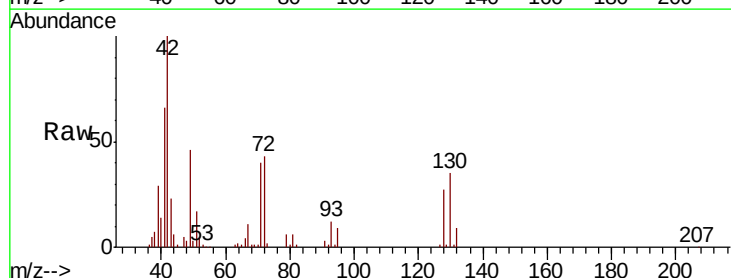
RT: 7.17 min Scan# 1679

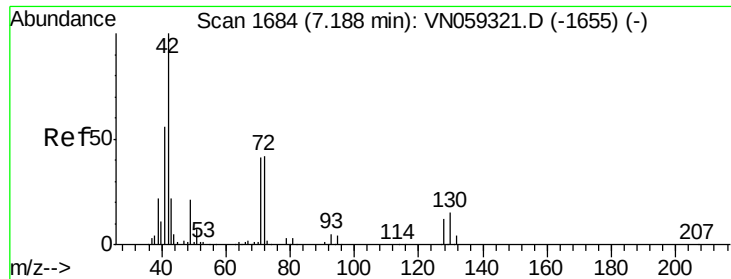
Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Tgt Ion:	49	Resp:	63431
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	74.5	57.0	85.6





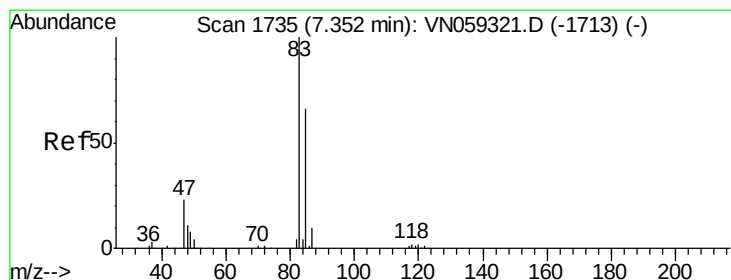
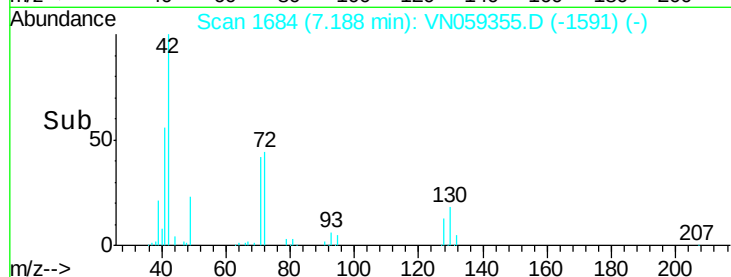
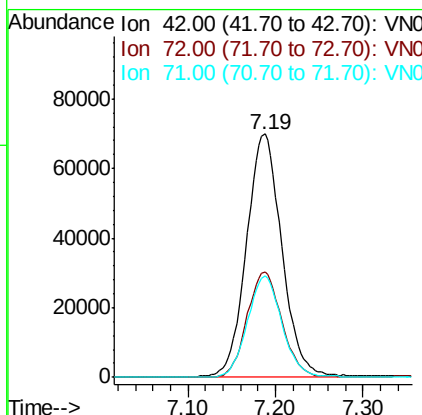
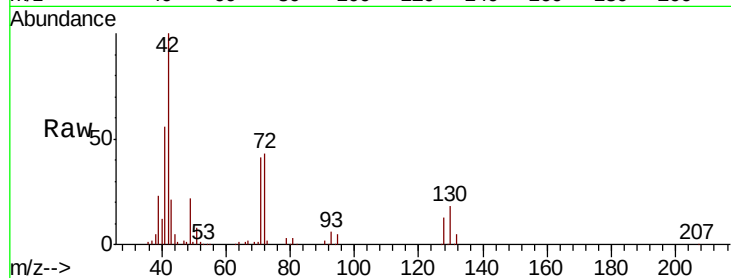
#29
Tetrahydrofuran
Concen: 88.625 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	40.6	32.6	48.8

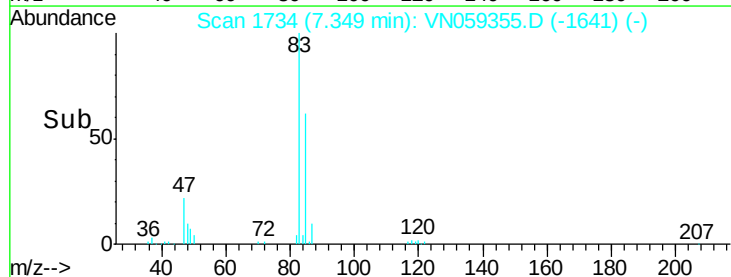
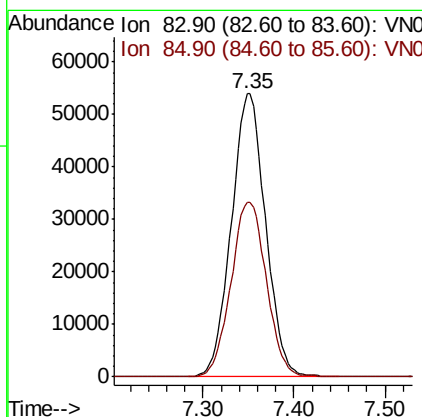
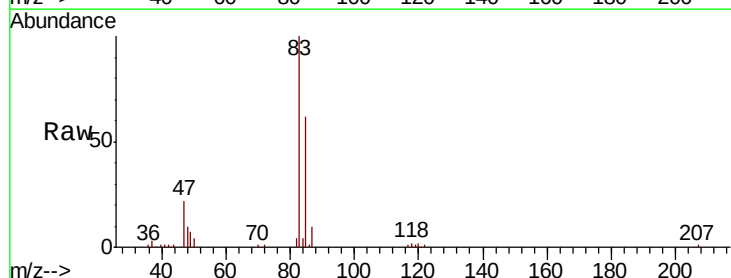
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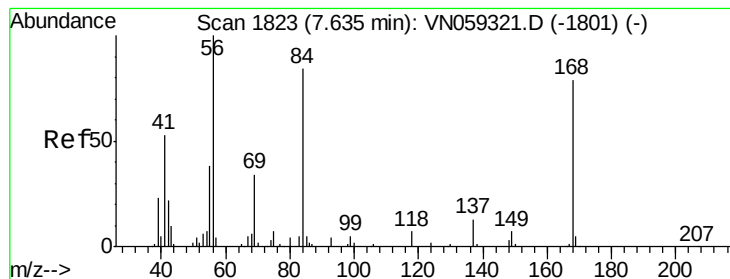
MMDadoda
11/26/2019 2:43:20 PM



#30
Chloroform
Concen: 17.597 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.7	79.1





#31

Cyclohexane

Concen: 17.887 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 56 Resp: 145018

Ion Ratio Lower Upper

56 100

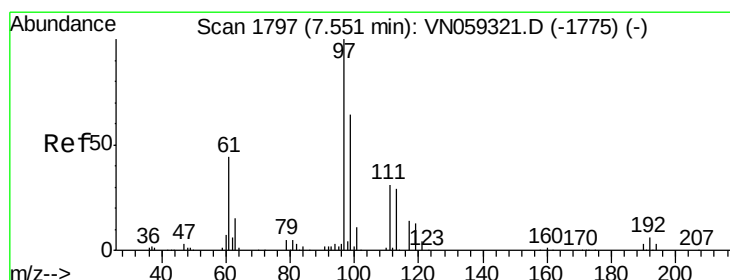
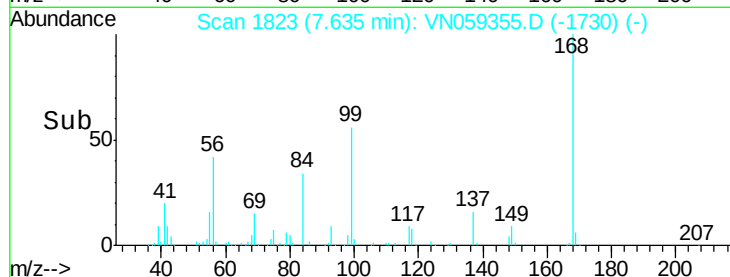
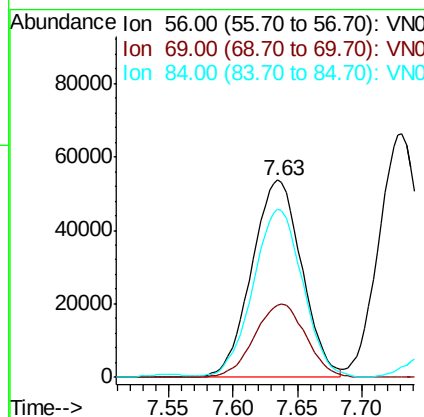
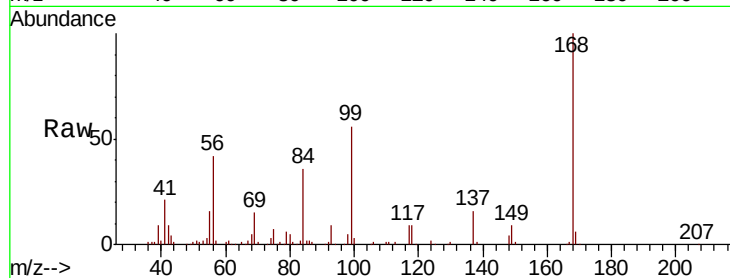
69 36.4 26.6 40.0

84 84.1 67.0 100.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.738 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

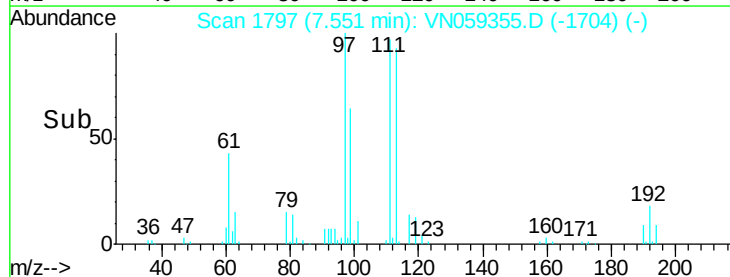
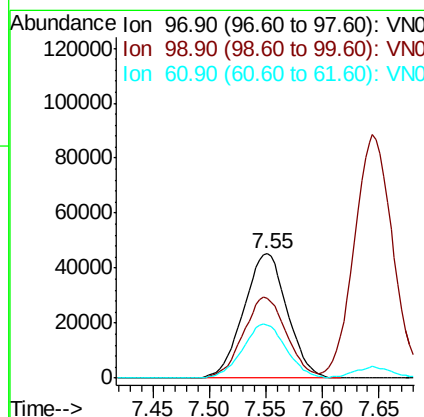
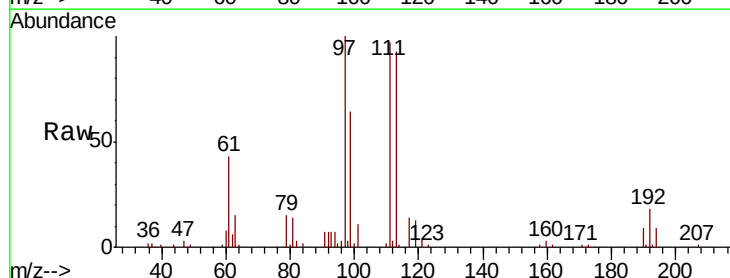
Tgt Ion: 97 Resp: 121270

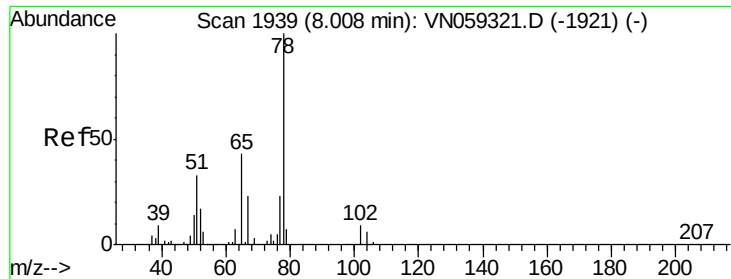
Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 43.3 35.3 52.9





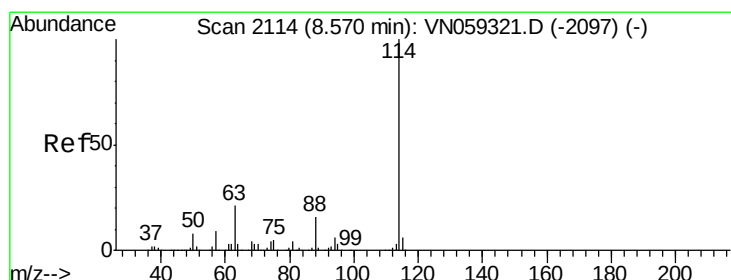
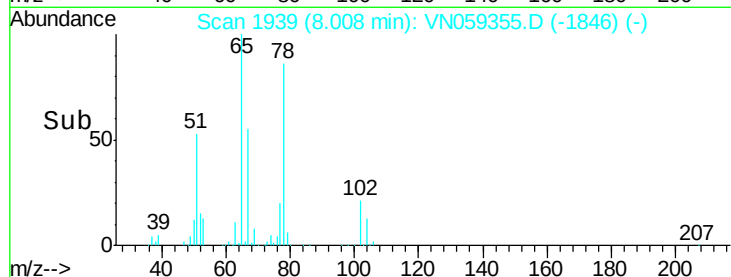
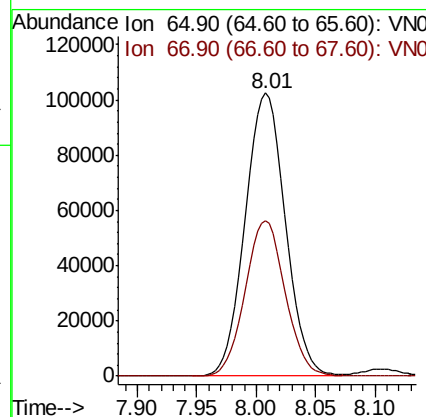
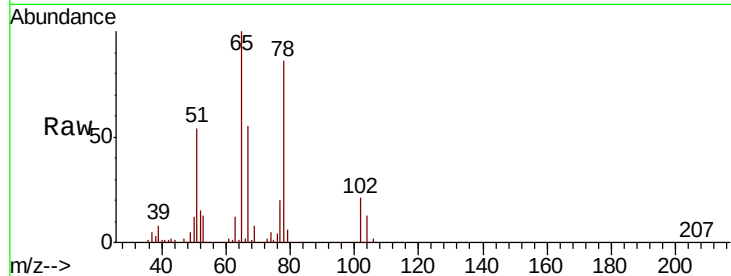
#33
 1,2-Dichloroethane-d4
 Concen: 52.213 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	240411		
67	54.6	0.0	109.4	

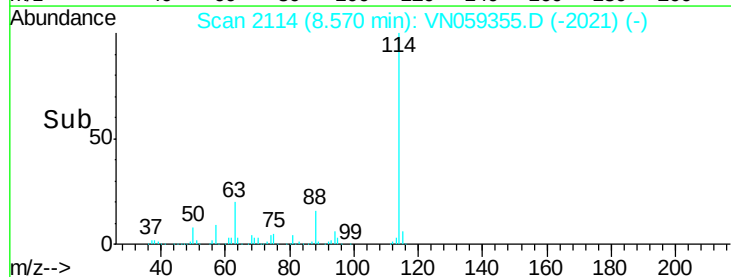
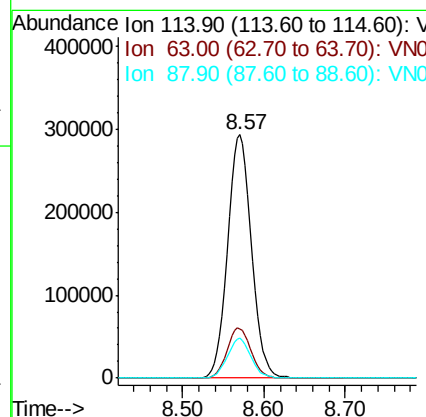
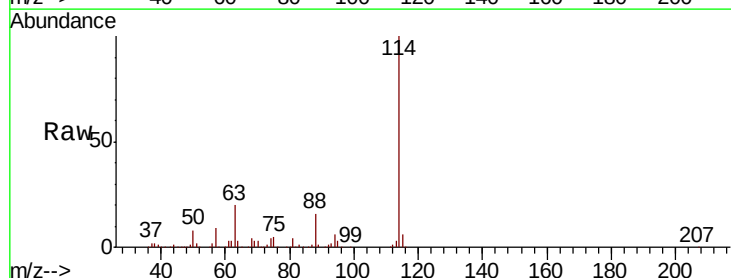
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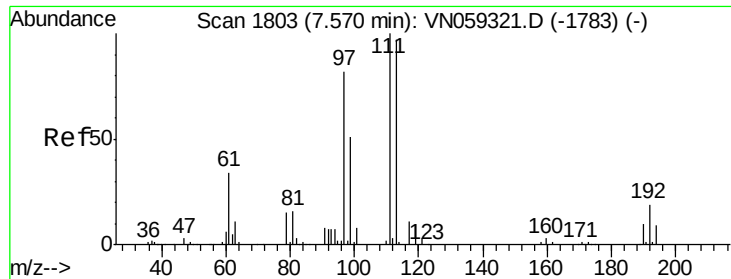
MMDadoda
 11/26/2019 2:43:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	609066		
63	20.4	0.0	42.2	
88	16.3	0.0	32.2	





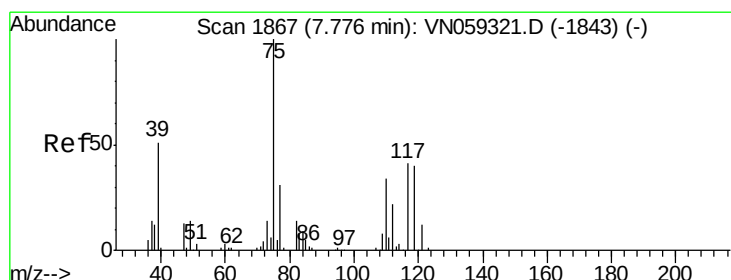
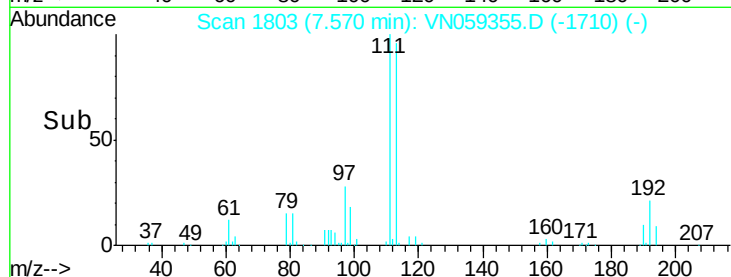
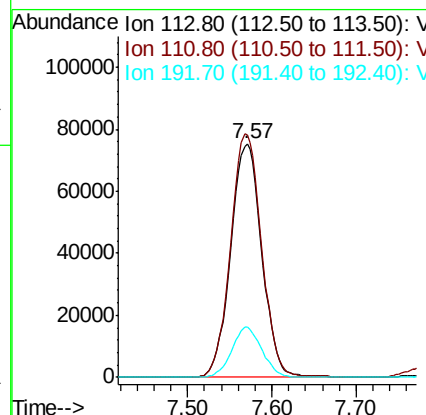
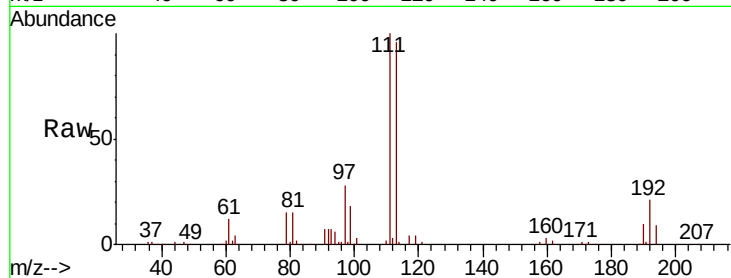
#35
 Dibromofluoromethane
 Concen: 52.915 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193353		
111	103.7	82.7	124.1	
192	20.8	16.3	24.5	

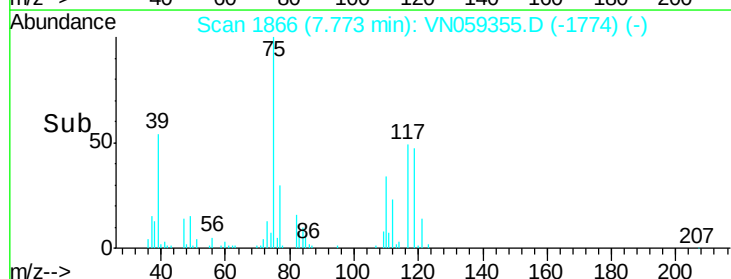
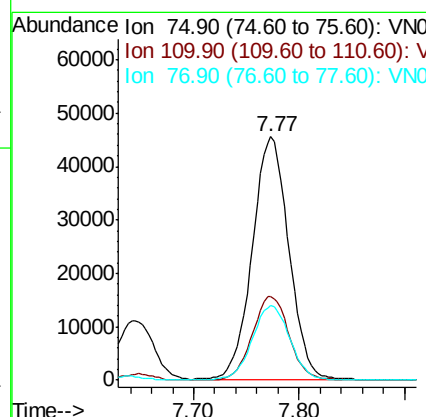
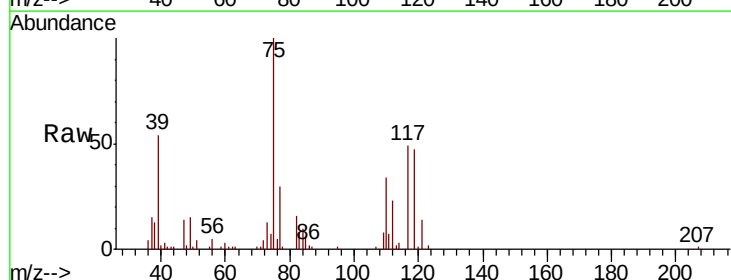
Manual Integrations
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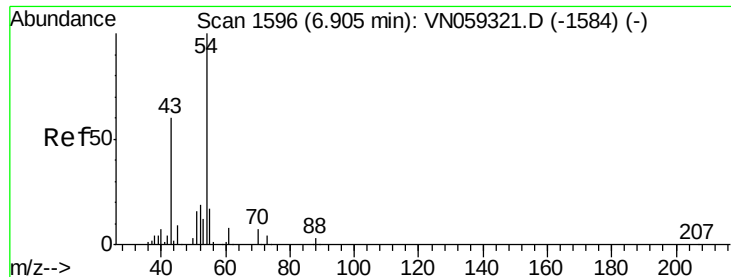
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 17.416 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109508		
110	34.5	17.0	51.0	
77	31.8	24.8	37.2	





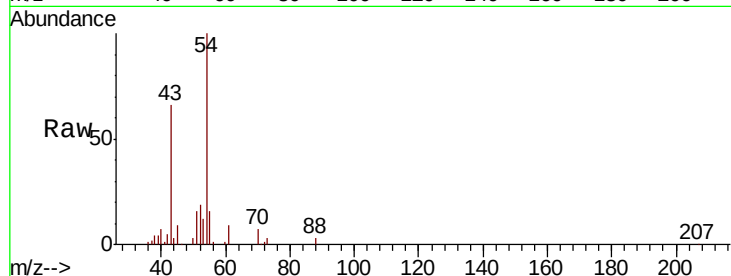
#37
Ethyl Acetate
Concen: 17.595 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	10.8	8.8	13.2

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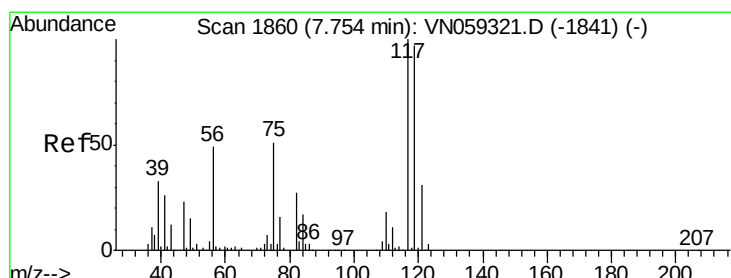
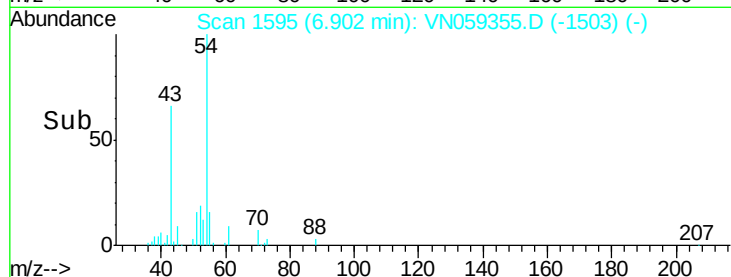
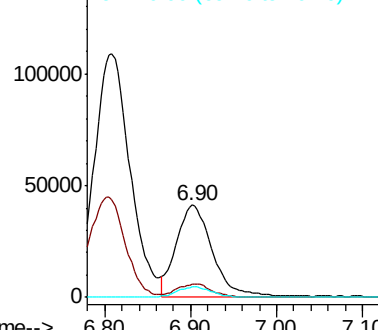


Abundance

Ion 43.00 (42.70 to 43.70): VN059321.D (-1584) (-)

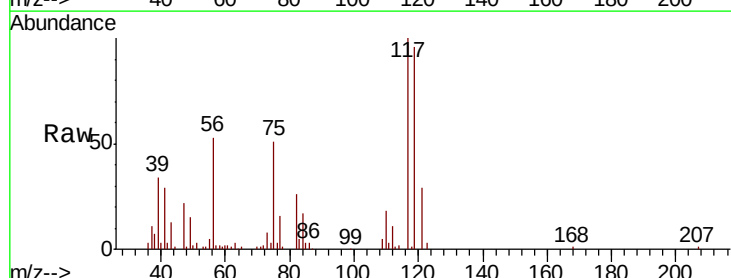
Ion 60.90 (60.60 to 61.60): VN059321.D (-1584) (-)

Ion 70.00 (69.70 to 70.70): VN059321.D (-1584) (-)



#38
Carbon Tetrachloride
Concen: 17.914 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.4
121	29.4	24.4	36.6

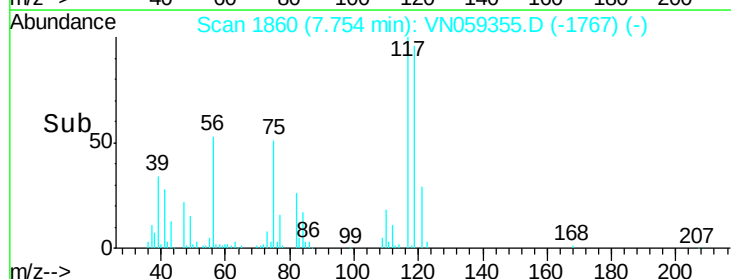
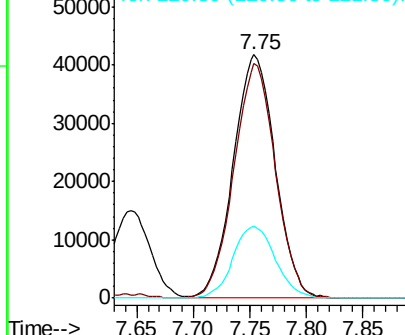


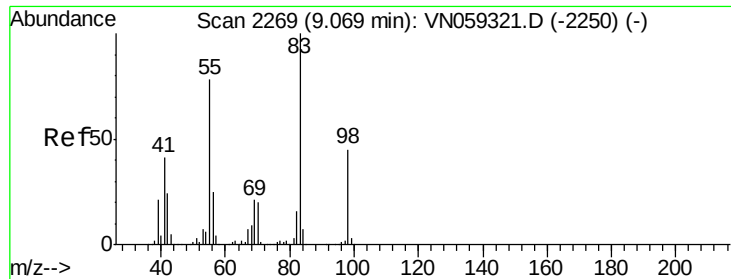
Abundance

Ion 116.80 (116.50 to 117.50): VN059321.D (-1841) (-)

Ion 118.80 (118.50 to 119.50): VN059321.D (-1841) (-)

Ion 120.80 (120.50 to 121.50): VN059321.D (-1841) (-)





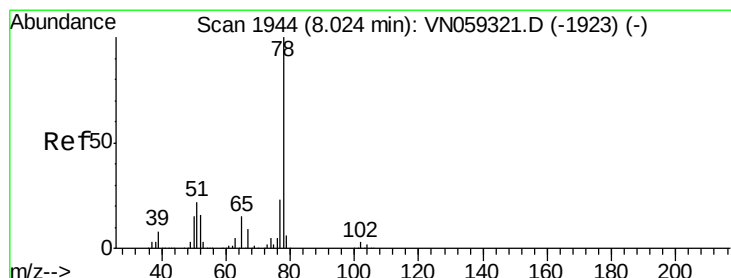
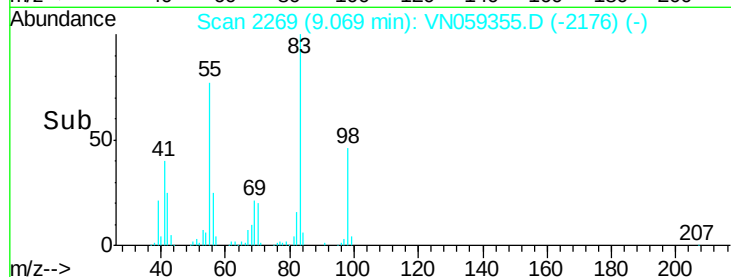
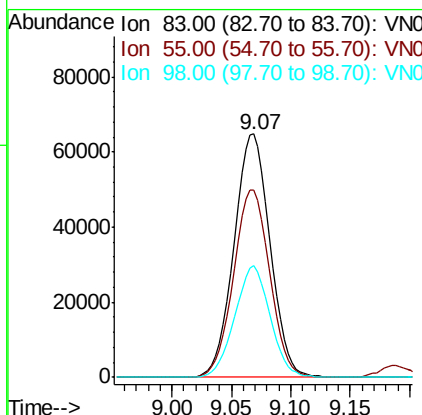
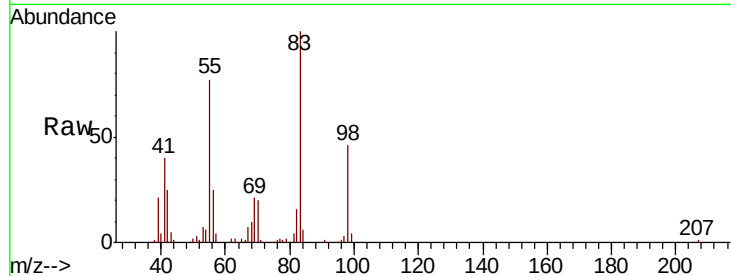
#39
Methylvlcyclohexane
Concen: 17.962 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.3	93.5
98	45.8	36.0	54.0

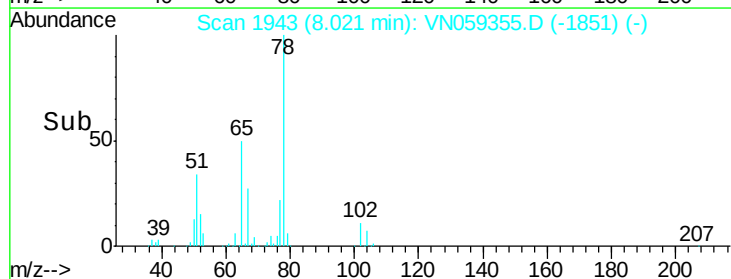
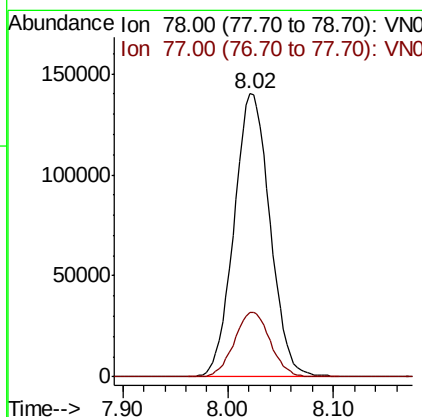
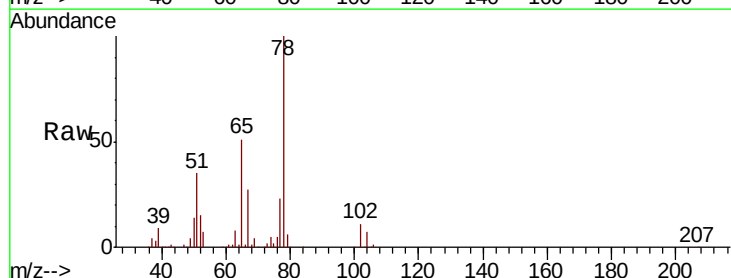
Manual Integrations
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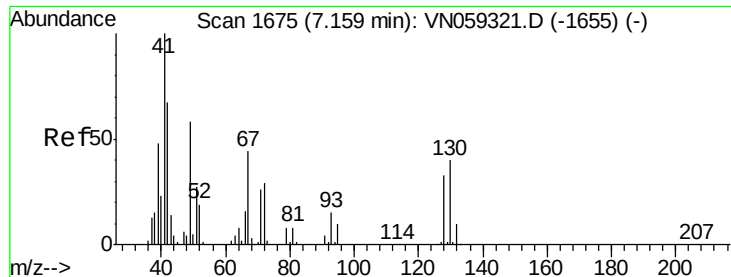
MMDadoda
11/26/2019 2:43:20 PM



#40
Benzene
Concen: 17.982 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.4	27.6





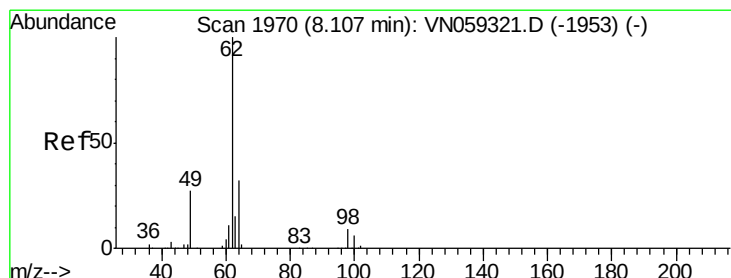
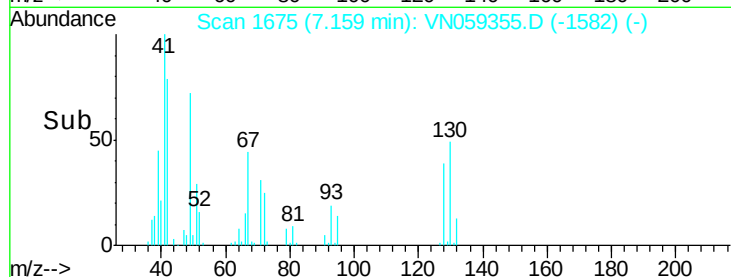
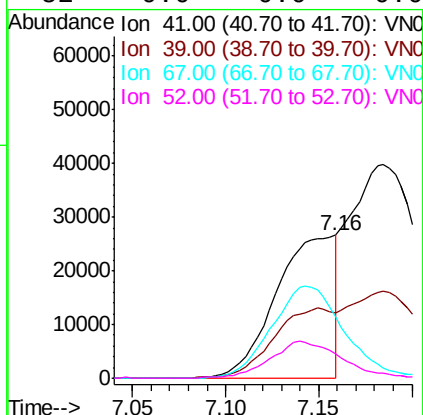
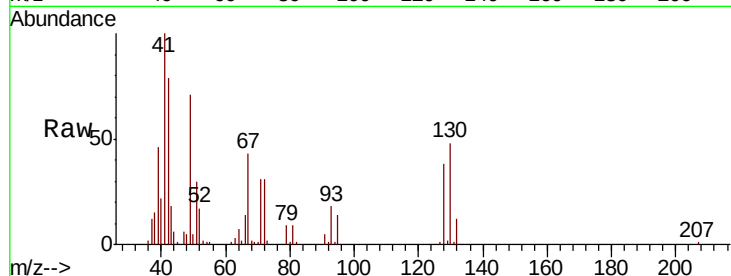
#41
Methacrylonitrile
Concen: 18.736 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		58834		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

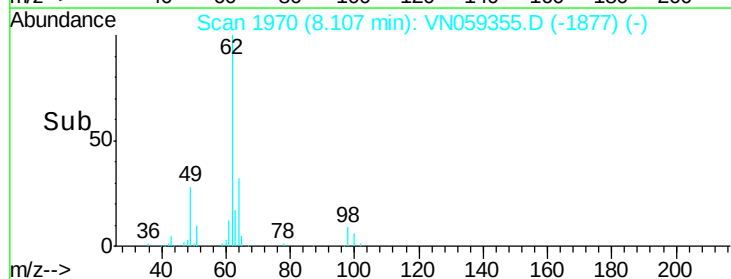
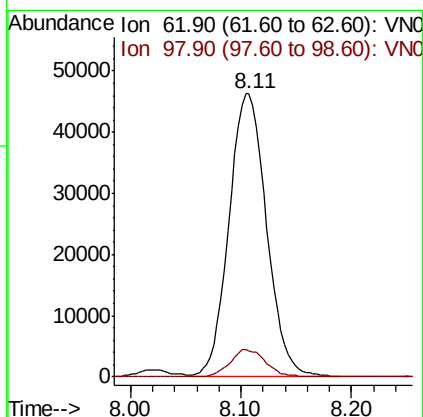
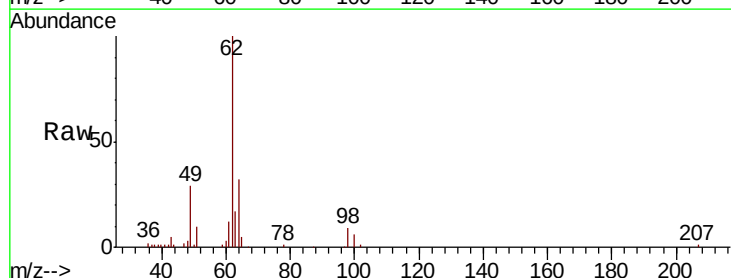
Manual Integrations
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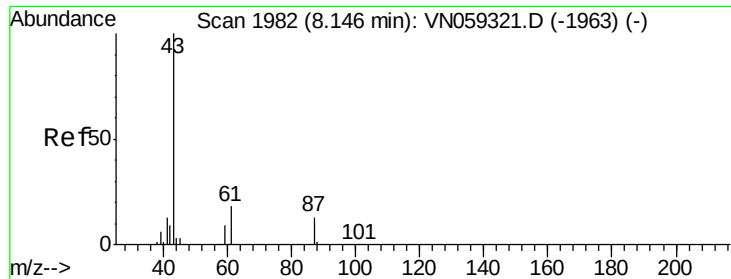
MMDadoda
11/26/2019 2:43:20 PM



#42
1,2-Dichloroethane
Concen: 17.910 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		109310		
98	9.1	0.0	18.6		





#43

Isopropyl Acetate

Concen: 17.784 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

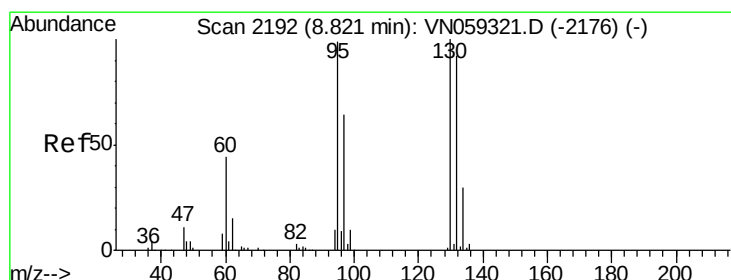
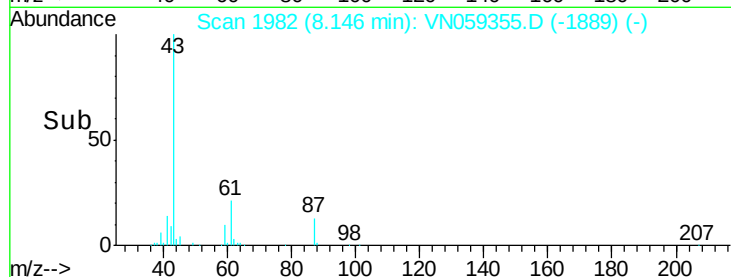
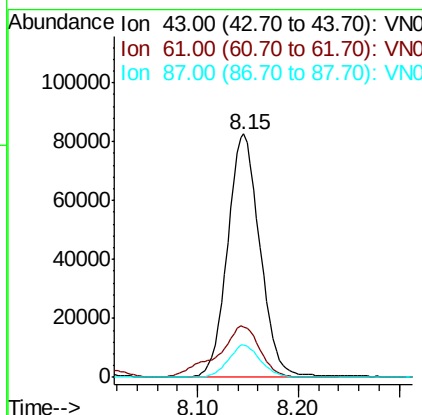
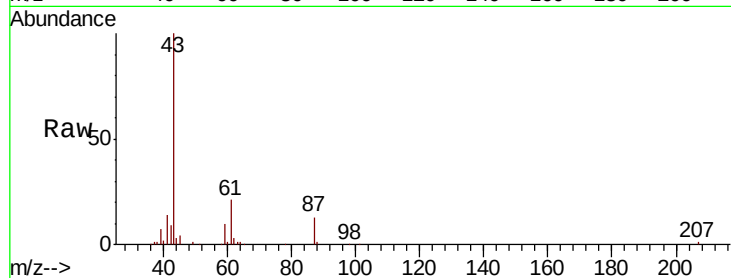
ClientSampleId :

VN1122WBS01

Tot Ion:	43	Resp:	183665
Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.7	32.5
87	13.2	10.2	15.4

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#44

Trichloroethene

Concen: 17.877 ug/l

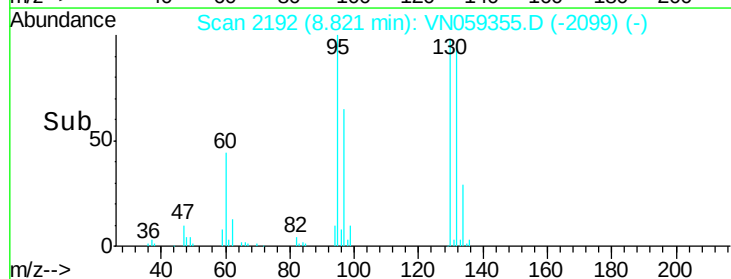
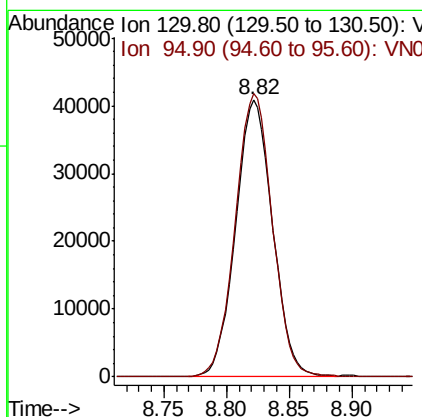
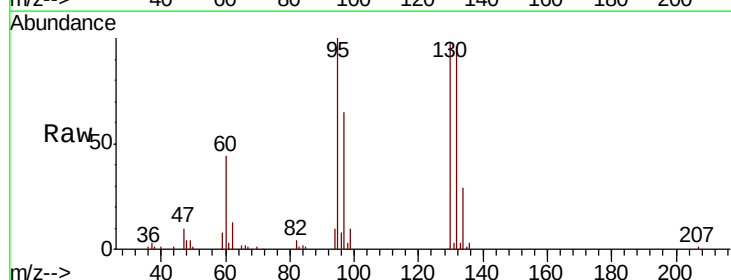
RT: 8.82 min Scan# 2192

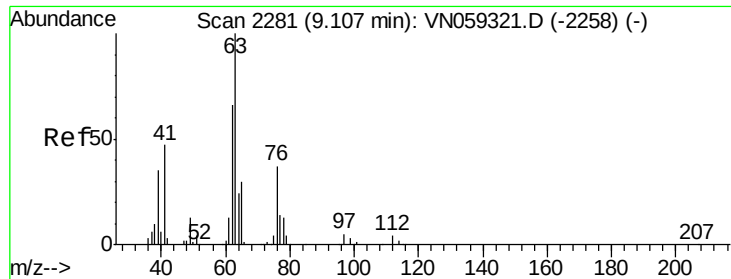
Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Tgt Ion:	130	Resp:	83613
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	198.4





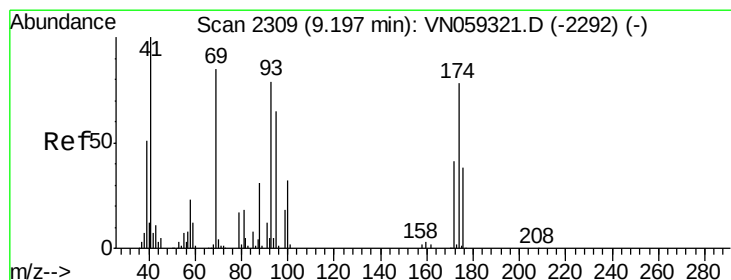
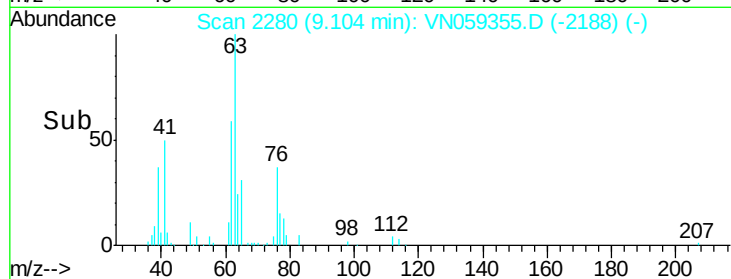
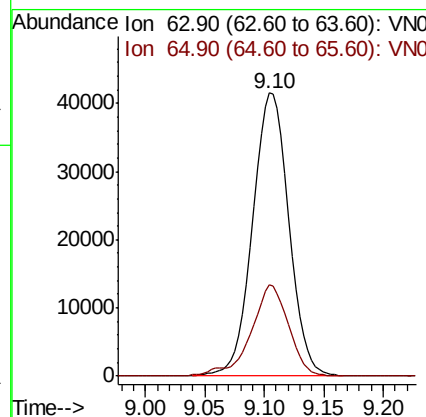
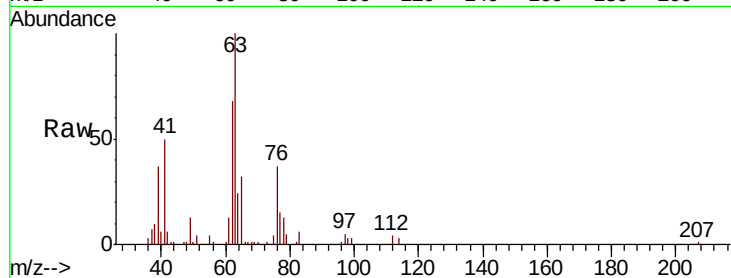
#45
 1,2-Dichloropropane
 Concen: 17.819 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.9	35.9

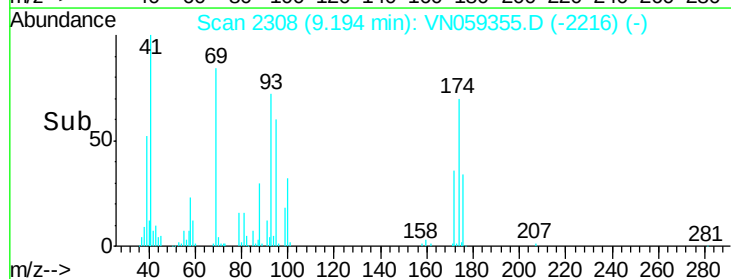
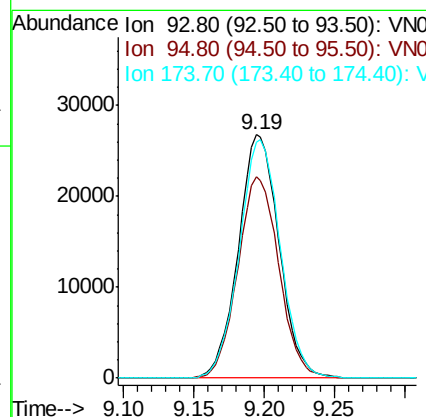
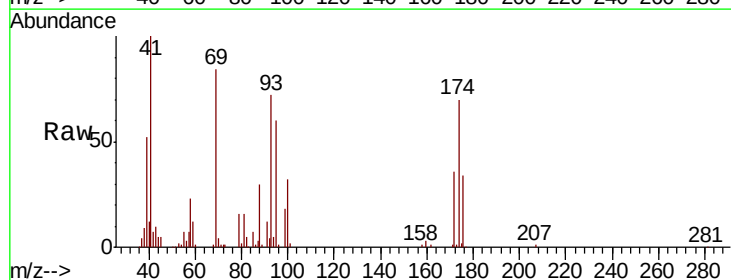
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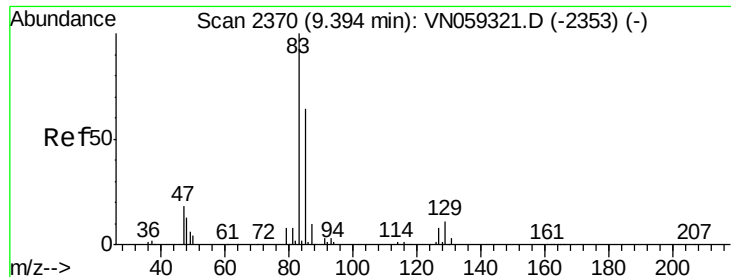
MMDadoda
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#46
 Dibromomethane
 Concen: 17.951 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.9	100.3
174	98.8	80.6	120.8





#47

Bromodichloromethane

Concen: 17.934 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

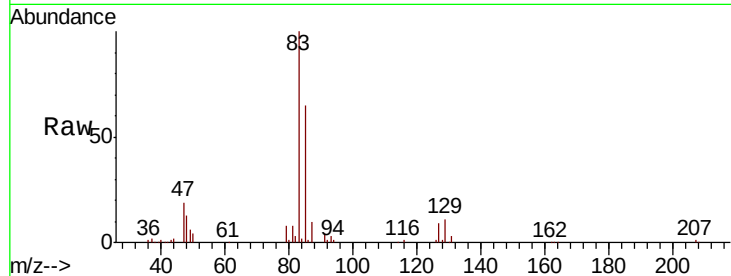
ClientSampleId :

VN1122WBS01

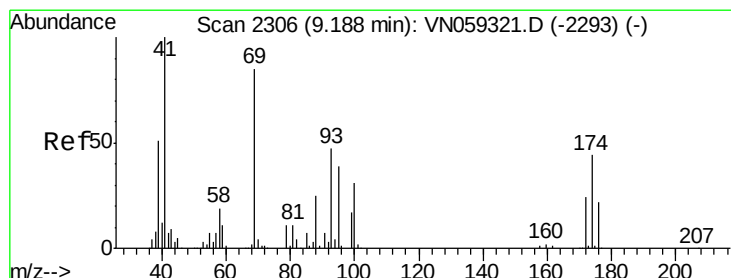
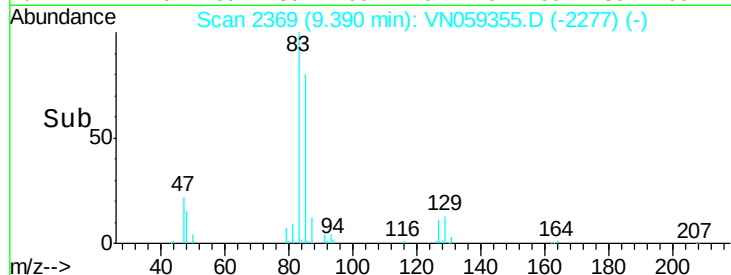
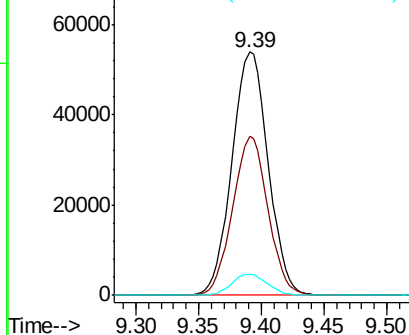
Tot Ion:	83	Resp:	108414
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.5	77.3
127	8.6	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.078 ug/l

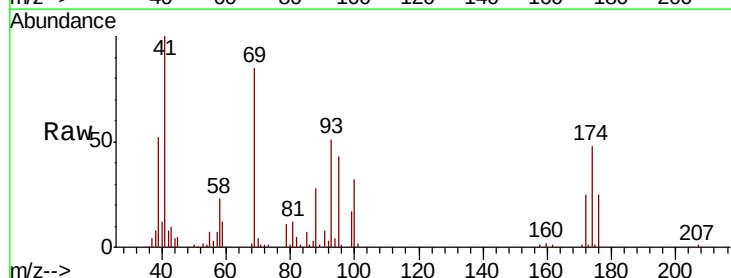
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

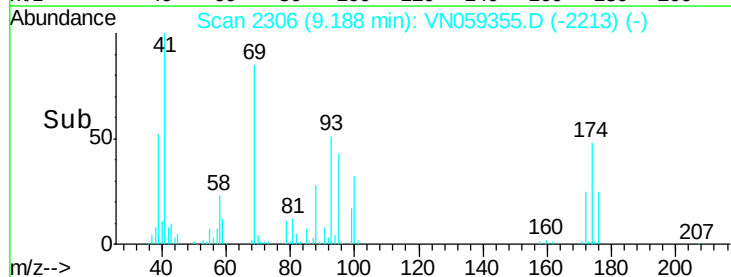
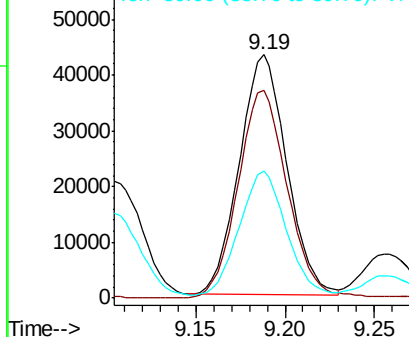
Lab File: VN059355.D

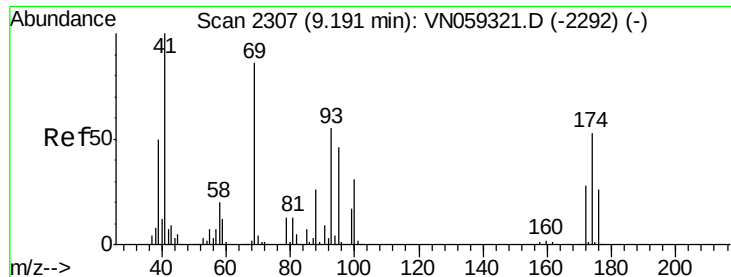
Acq: 22 Nov 2019 11:45

Tgt Ion:	41	Resp:	80203
Ion Ratio	Lower	Upper	
41	100		
69	89.8	68.8	103.2
39	52.8	42.1	63.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





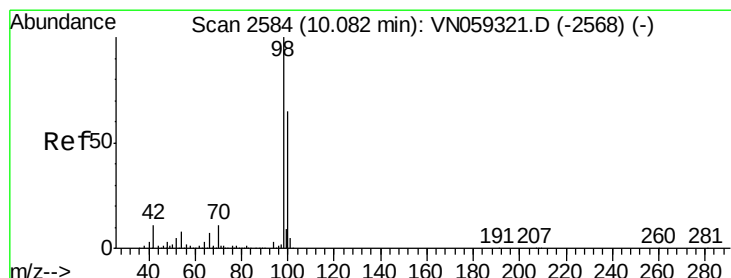
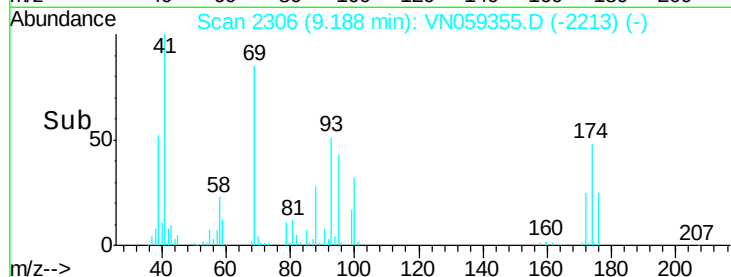
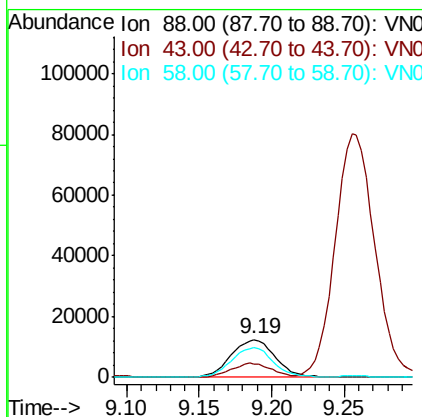
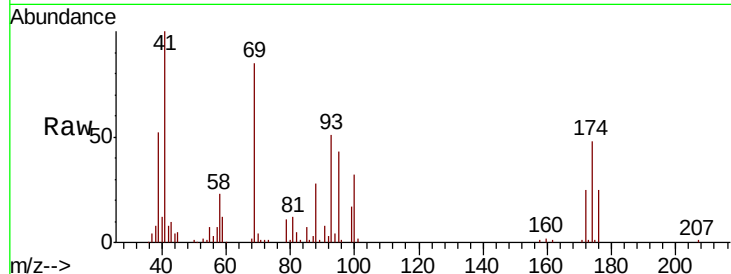
#49
1,4-Dioxane
Concen: 376.831 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.9	40.3
58	76.2	59.2	88.8

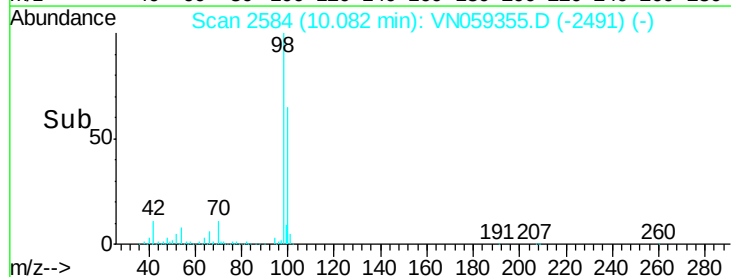
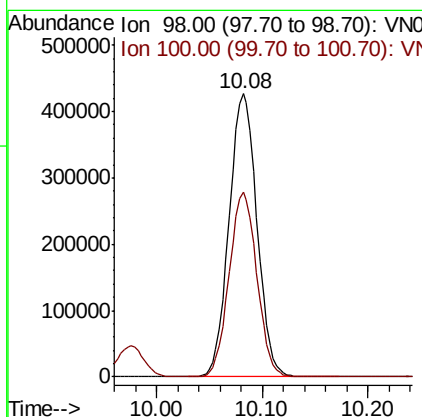
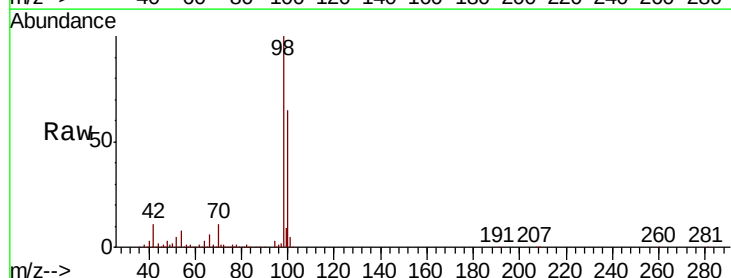
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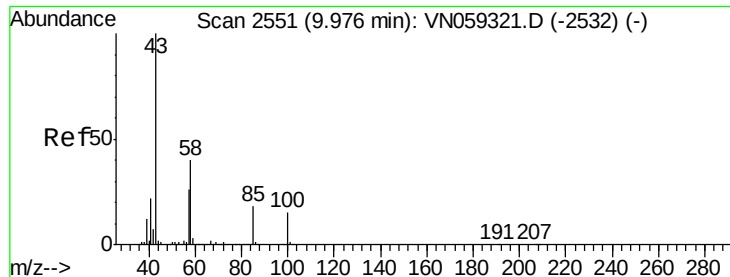
MMDadoda
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#50
Toluene-d8
Concen: 53.739 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 94.713 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 43 Resp: 572527

Ion Ratio Lower Upper

43 100

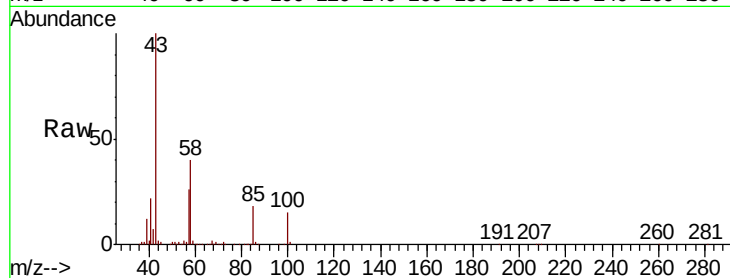
58 40.2 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

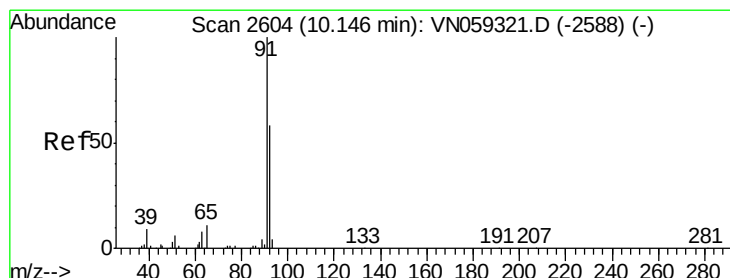
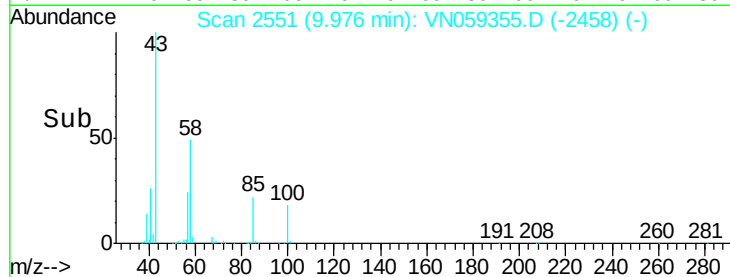
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.180 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059355.D

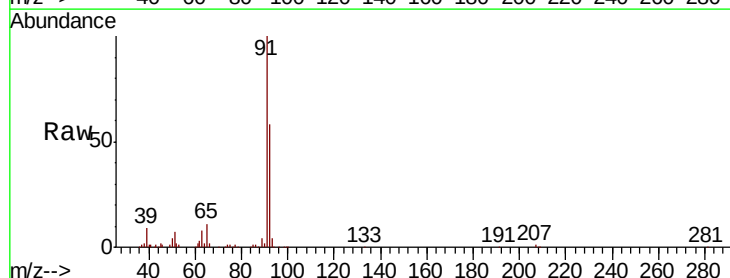
Acq: 22 Nov 2019 11:45

Tgt Ion: 92 Resp: 201733

Ion Ratio Lower Upper

92 100

91 171.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

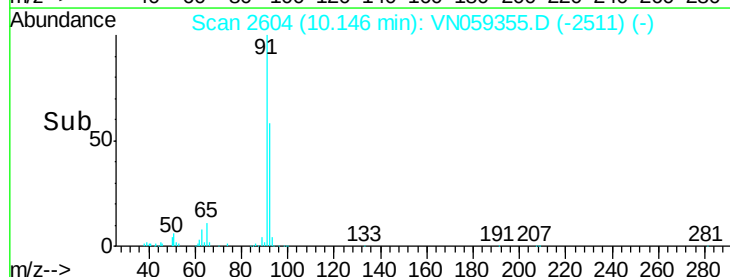
150000

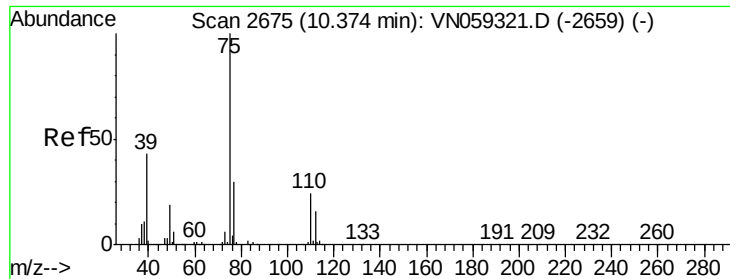
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.579 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 75 Resp: 123533

Ion Ratio Lower Upper

75 100

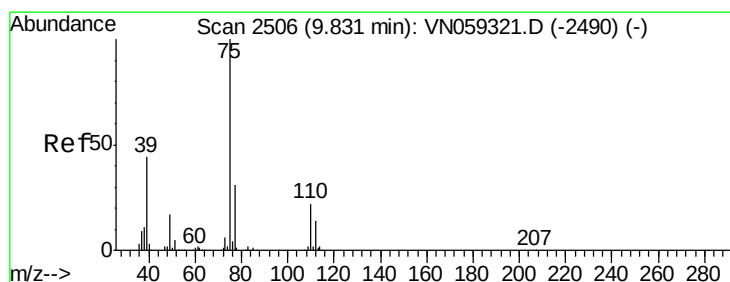
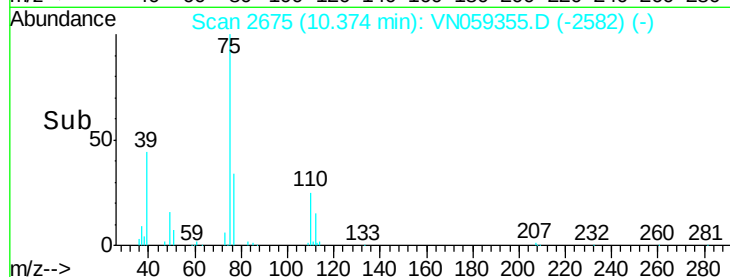
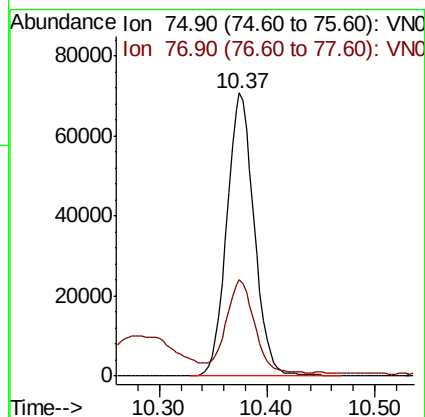
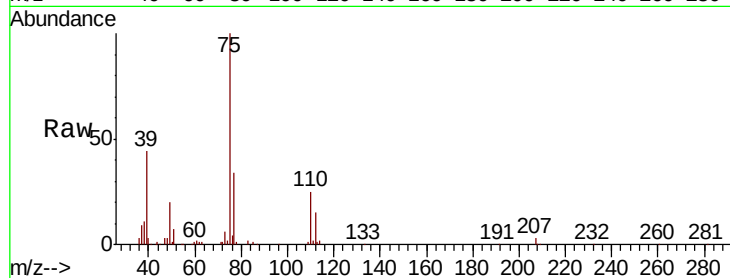
77 32.7 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.043 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

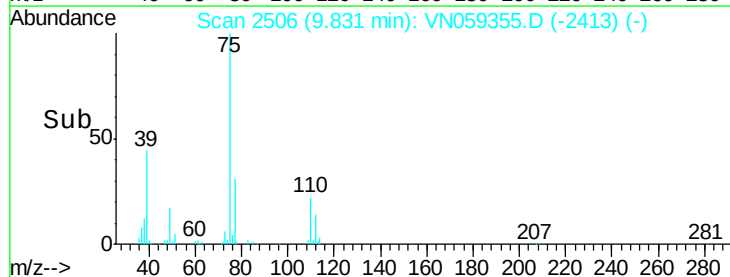
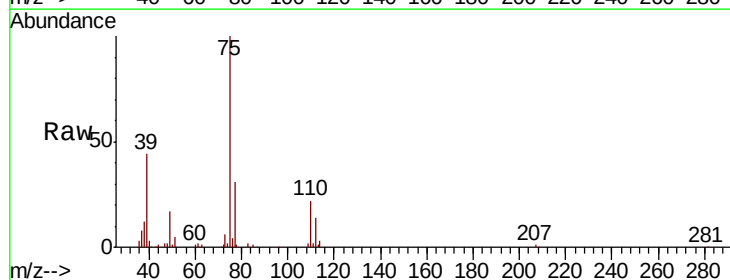
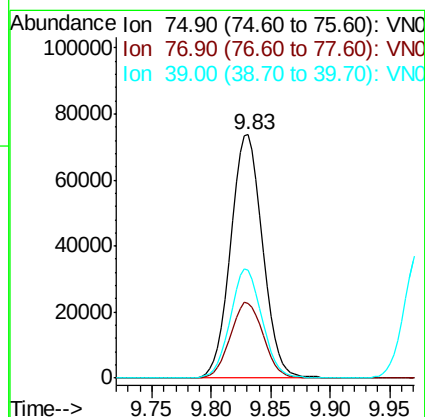
Tgt Ion: 75 Resp: 137581

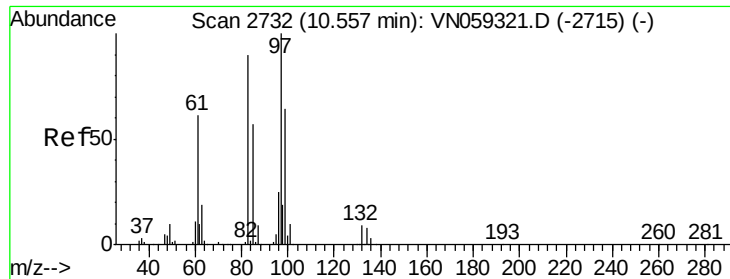
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4

39 44.0 35.5 53.3





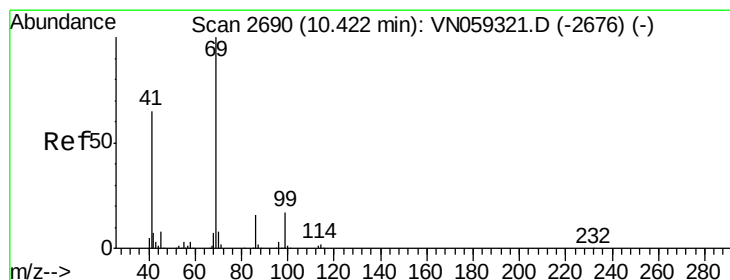
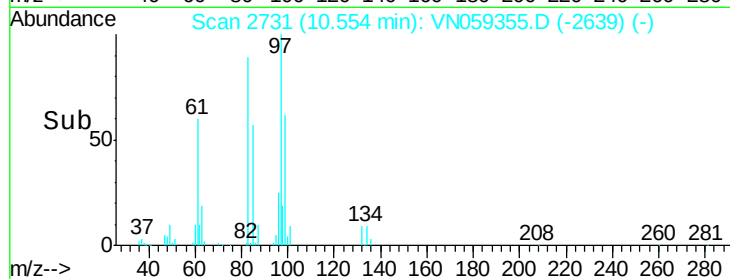
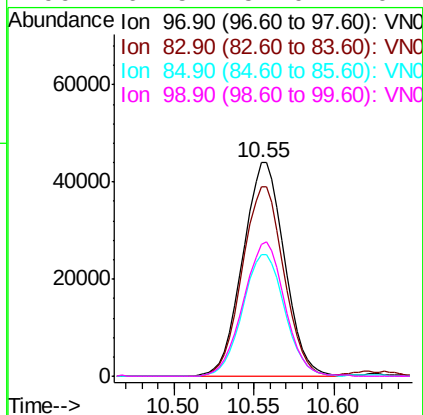
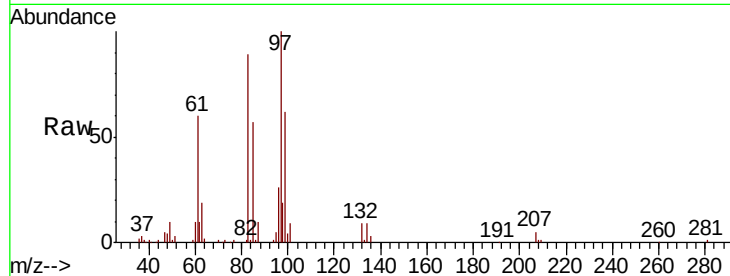
#55
 1,1,2-Trichloroethane
 Concen: 18.141 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion:	97	Resp:	78268
Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.0	108.0
85	57.0	45.8	68.6
99	61.5	51.0	76.4

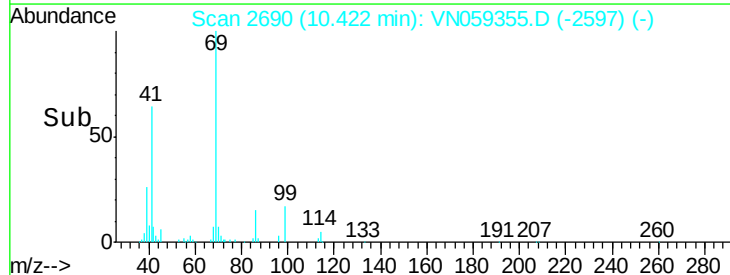
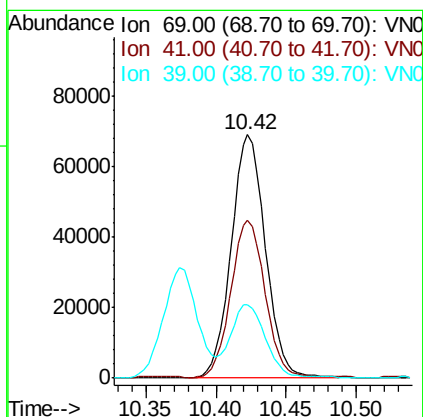
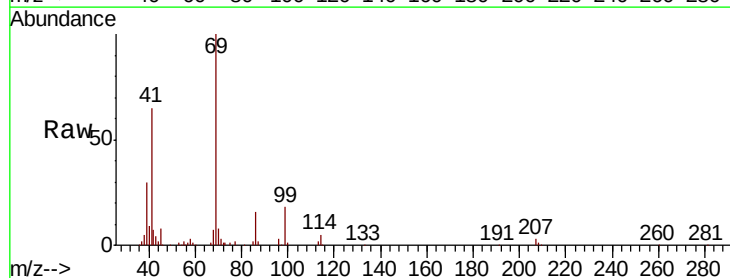
Manual Integrations
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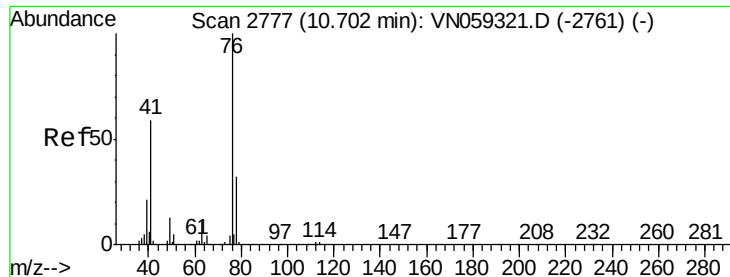
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#56
 Ethyl methacrylate
 Concen: 17.597 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion:	69	Resp:	117389
Ion	Ratio	Lower	Upper
69	100		
41	64.2	51.7	77.5
39	31.7	25.2	37.8





#57

1,3-Dichloropropane

Concen: 18.172 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 76 Resp: 136645

Ion Ratio Lower Upper

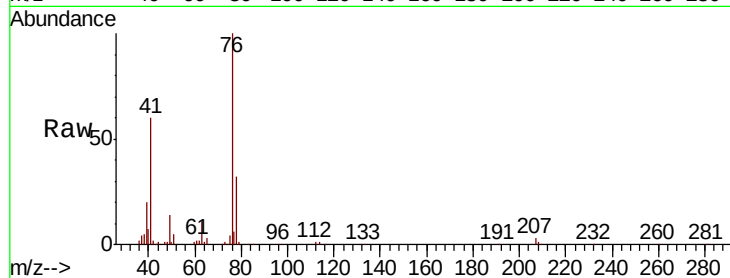
76 100

78 32.2 26.0 39.0

Manual Integrations
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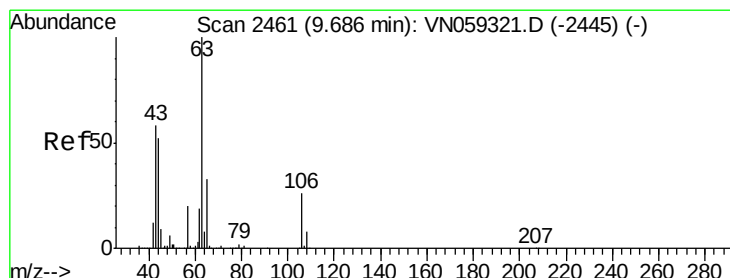
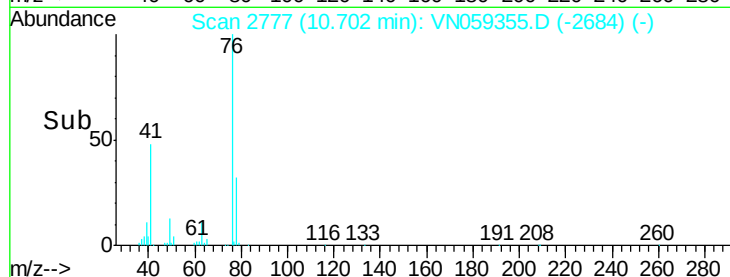
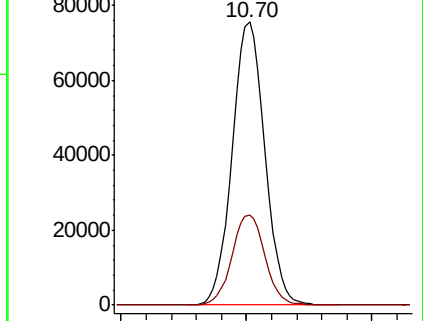
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.817 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059355.D

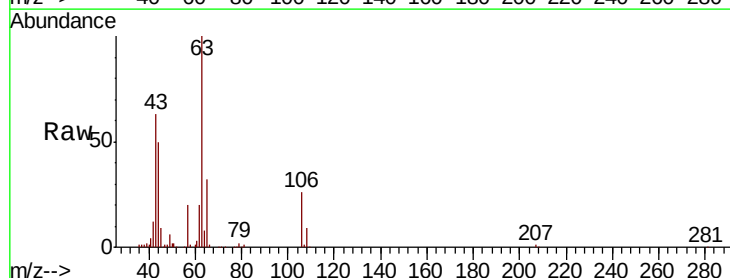
Acq: 22 Nov 2019 11:45

Tgt Ion: 63 Resp: 211974

Ion Ratio Lower Upper

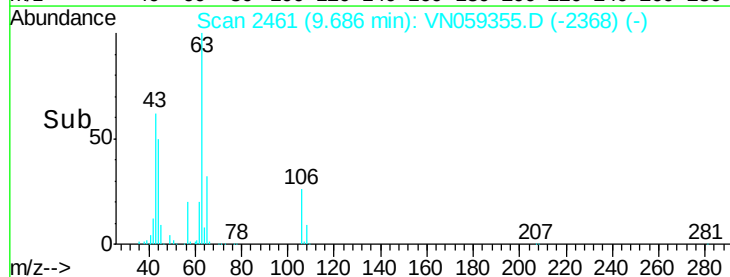
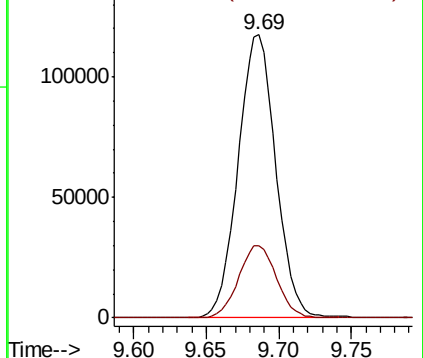
63 100

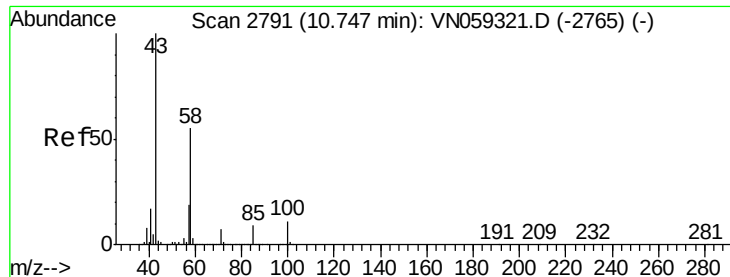
106 25.7 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





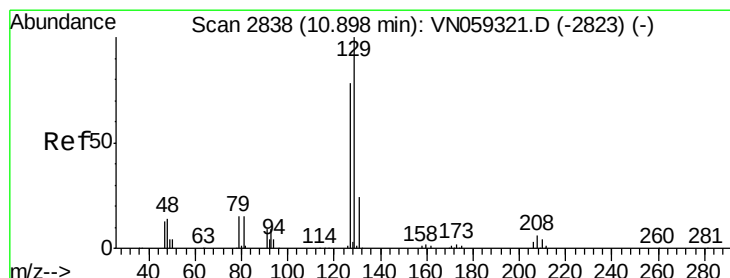
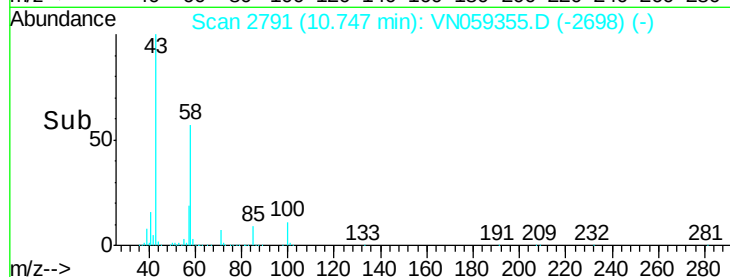
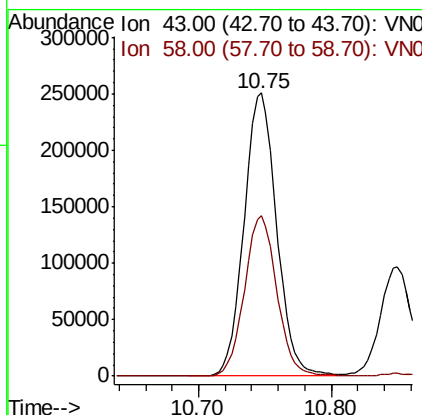
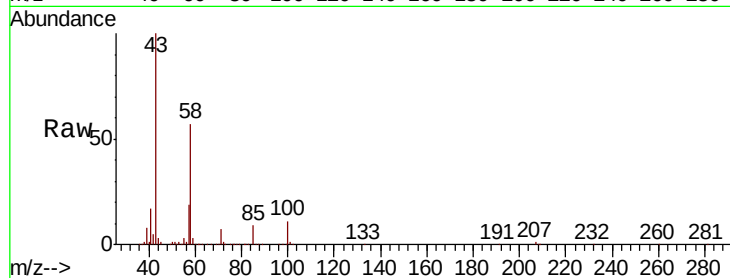
#59
2-Hexanone
Concen: 96.847 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion: 43 Resp: 428678
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.0

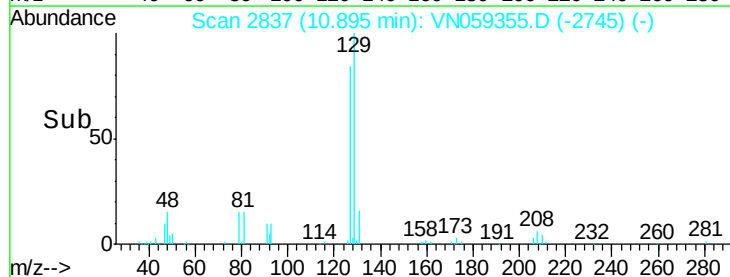
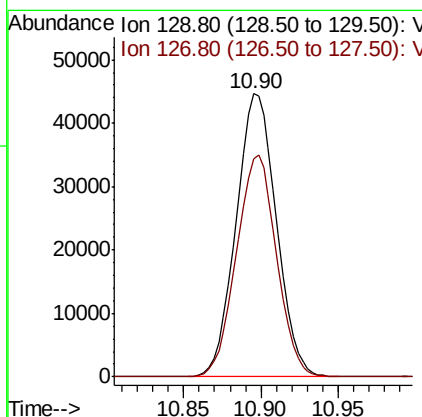
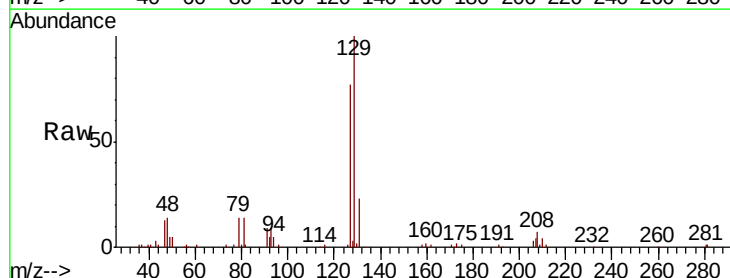
Manual Integrations
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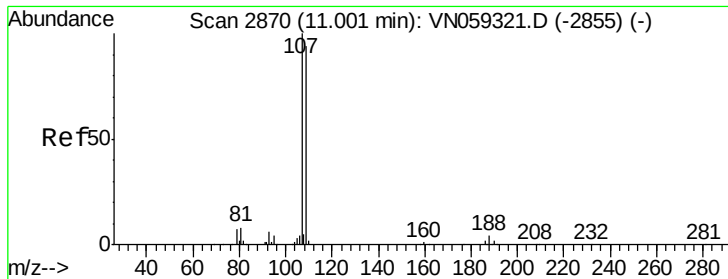
MMDadoda
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#60
Dibromochloromethane
Concen: 17.771 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion: 129 Resp: 80794
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.837 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 107 Resp: 80073

Ion Ratio Lower Upper

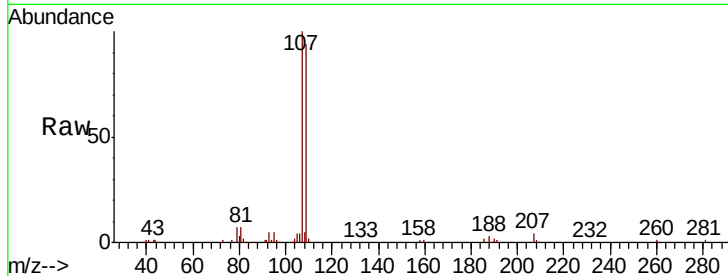
107 100

109 94.2 75.4 113.2

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

50000

40000

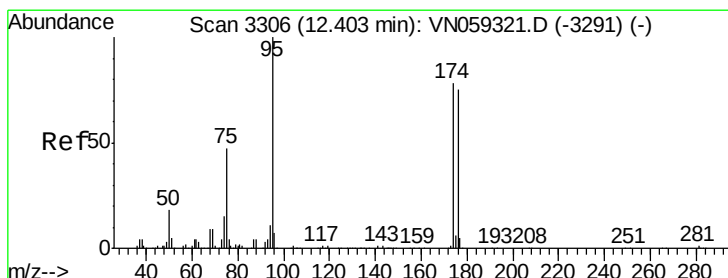
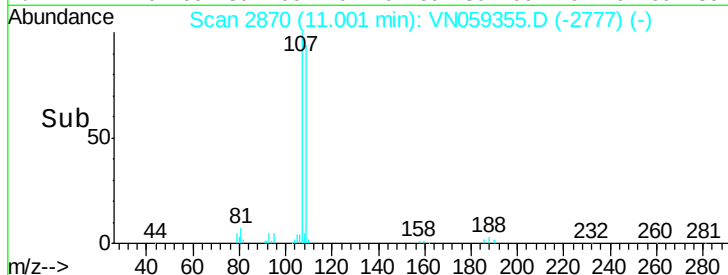
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.527 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

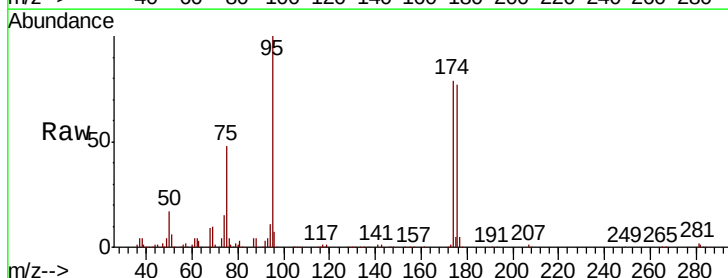
Tgt Ion: 95 Resp: 271876

Ion Ratio Lower Upper

95 100

174 78.8 0.0 157.4

176 76.7 0.0 151.2



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

200000

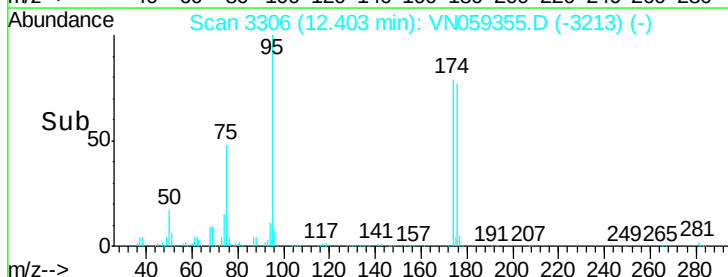
150000

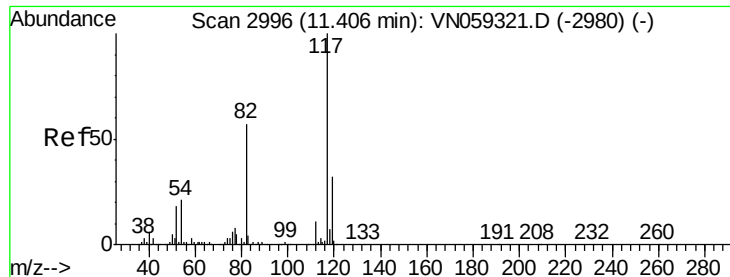
100000

50000

0

Time--> 12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

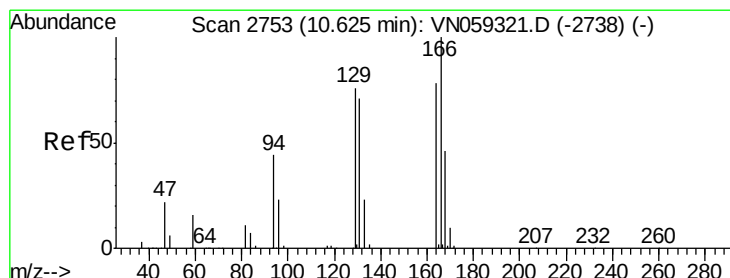
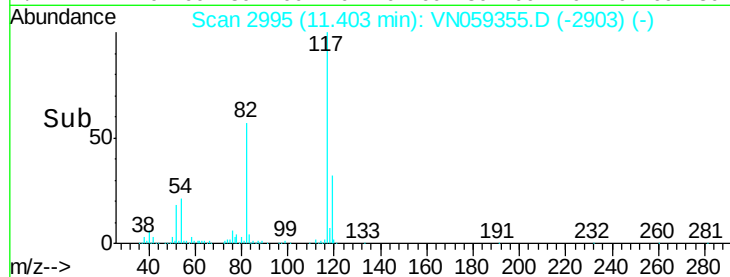
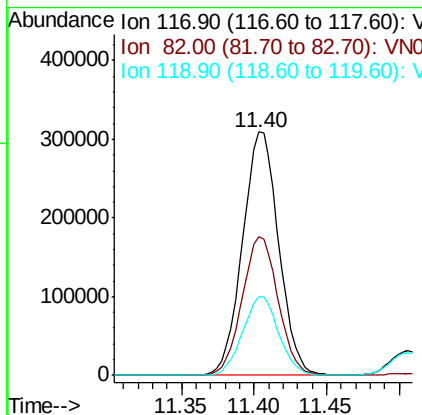
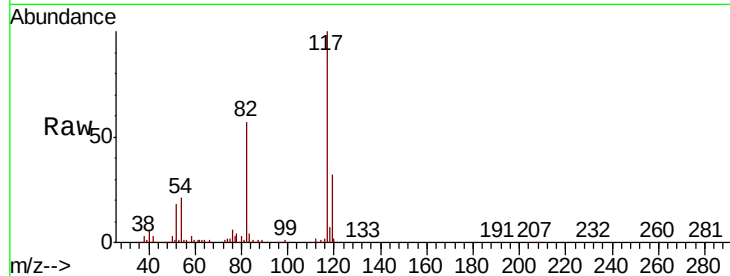
ClientSampleId :

VN1122WBS01

Tot Ion:	117	Resp:	536132
Ion Ratio		Lower	Upper
117	100		
82	57.0	45.7	68.5
119	32.2	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.034 ug/l

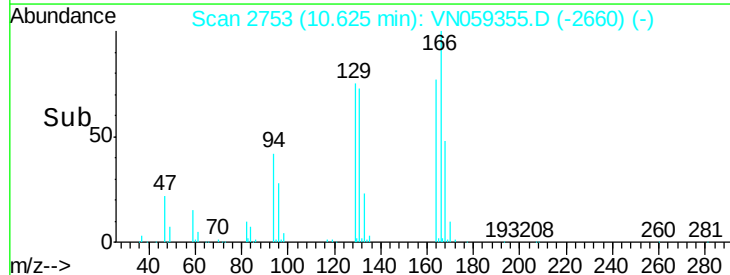
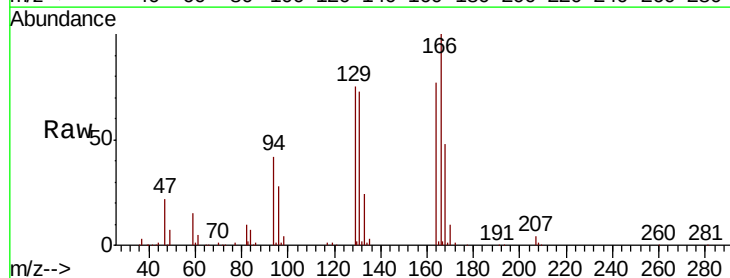
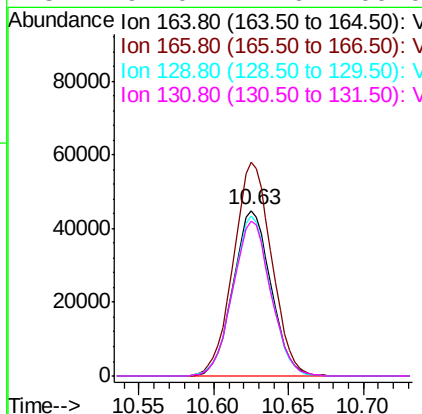
RT: 10.63 min Scan# 2753

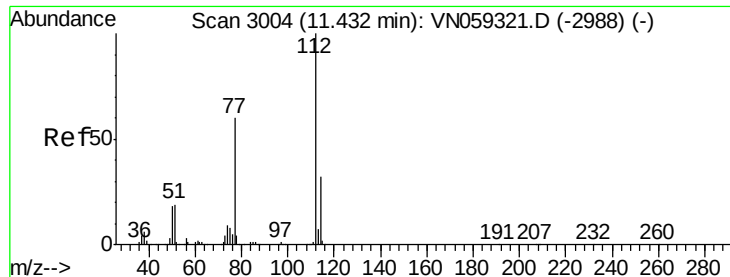
Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Tgt Ion:	164	Resp:	78924
Ion Ratio		Lower	Upper
164	100		
166	129.3	102.9	154.3
129	96.5	78.2	117.2
131	94.0	72.6	109.0





#65

Chlorobenzene

Concen: 18.085 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion:112 Resp: 208482

Ion Ratio Lower Upper

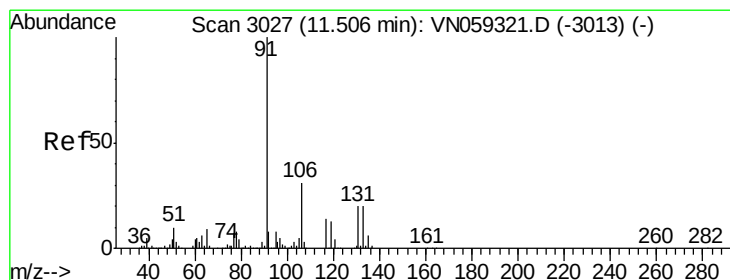
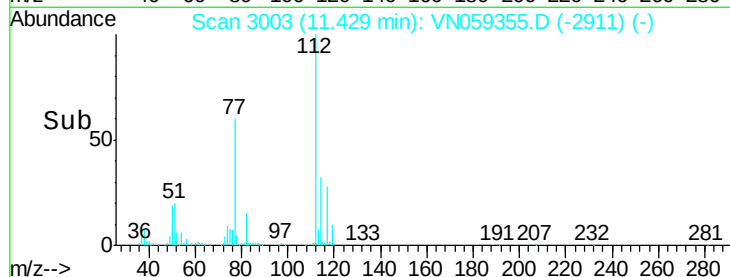
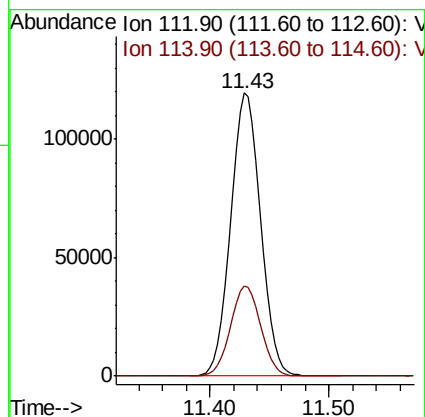
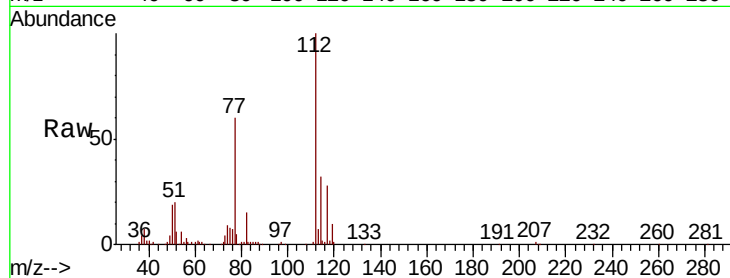
112 100

114 31.7 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.398 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

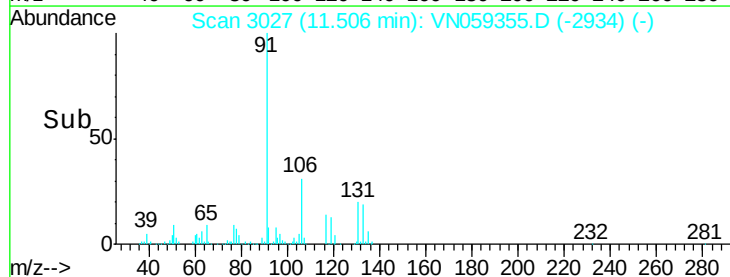
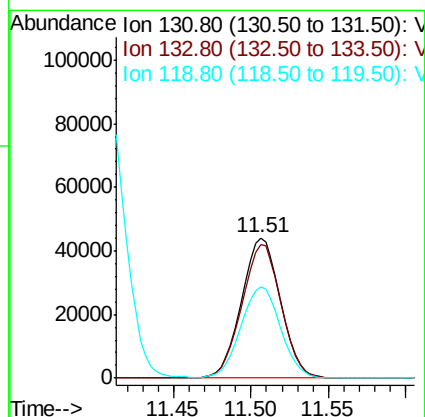
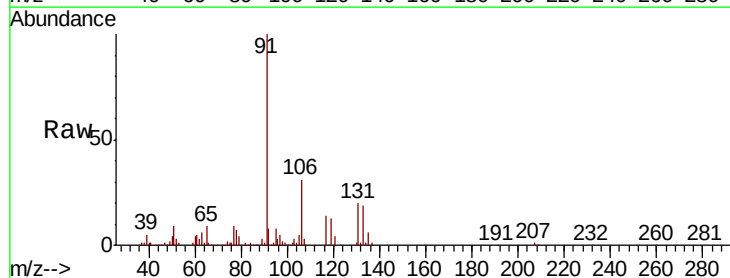
Tgt Ion:131 Resp: 77049

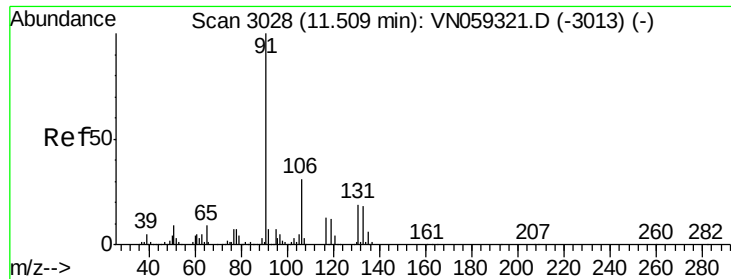
Ion Ratio Lower Upper

131 100

133 96.3 48.2 144.6

119 66.8 33.6 100.6





#67

Ethyl Benzene

Concen: 18.525 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 91 Resp: 381301

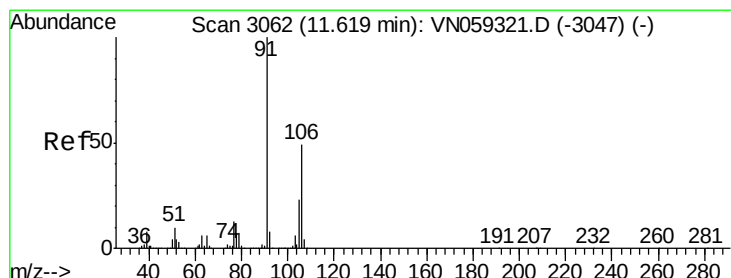
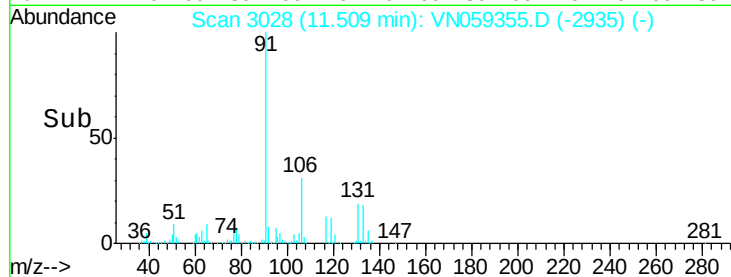
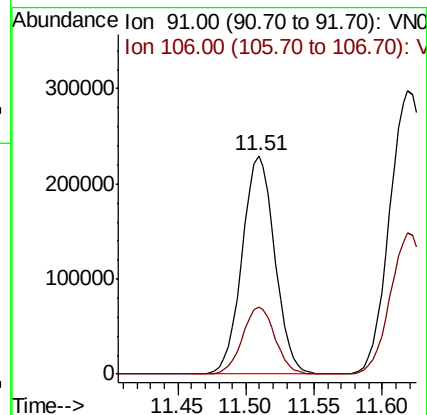
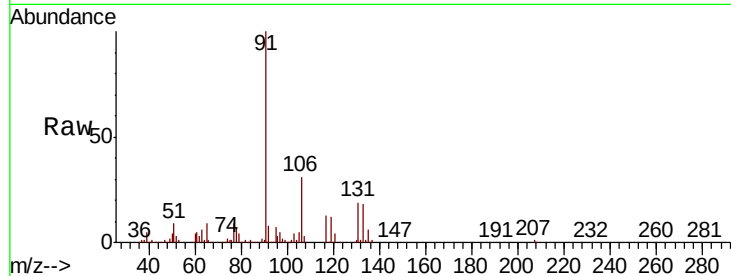
Ion Ratio Lower Upper

91 100

106 30.7 24.6 37.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 36.950 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059355.D

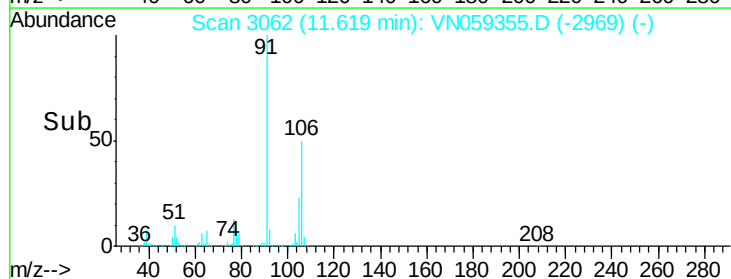
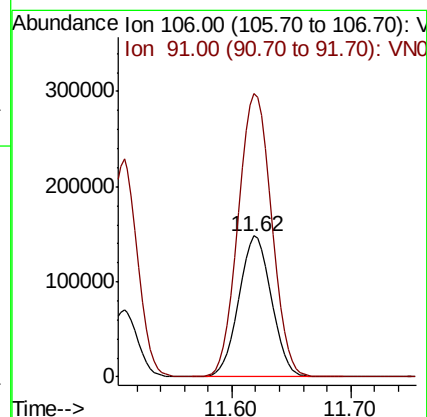
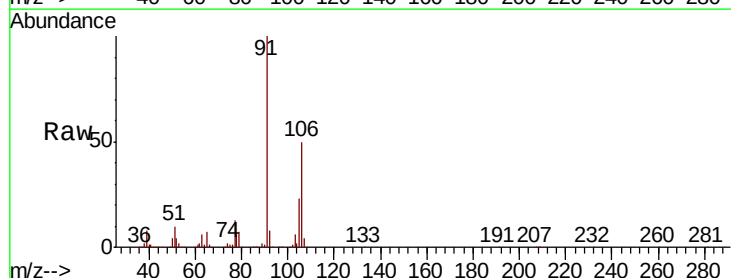
Acq: 22 Nov 2019 11:45

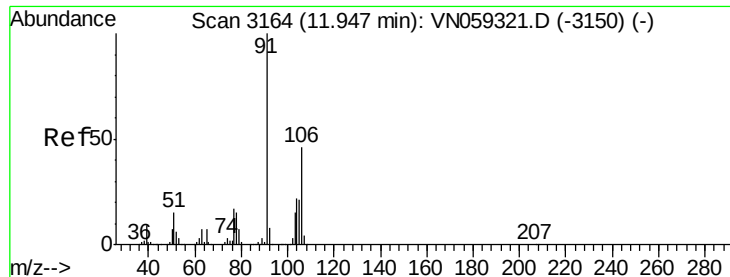
Tgt Ion: 106 Resp: 282602

Ion Ratio Lower Upper

106 100

91 205.4 163.2 244.8





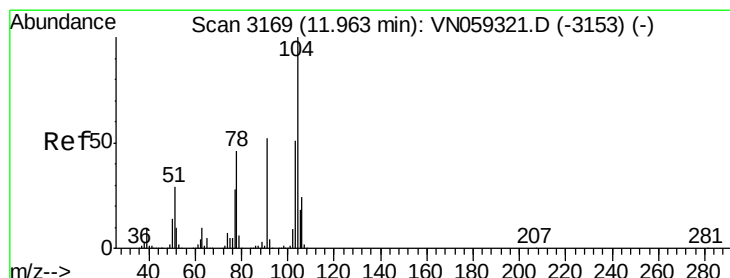
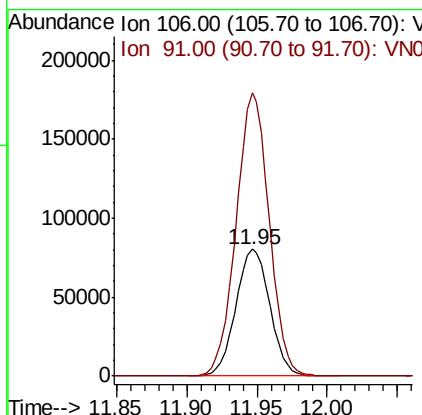
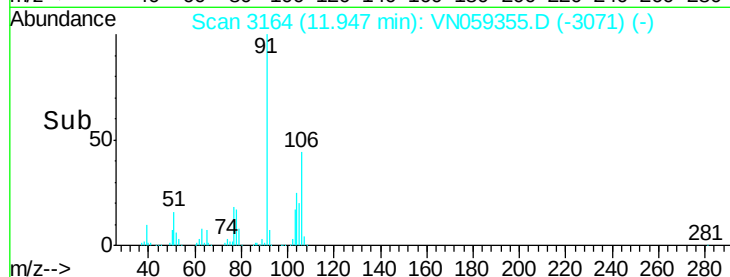
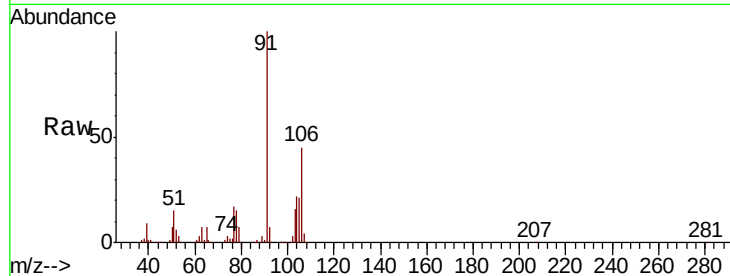
#69
o-Xylene
Concen: 18.552 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	217.0	109.3	327.9	

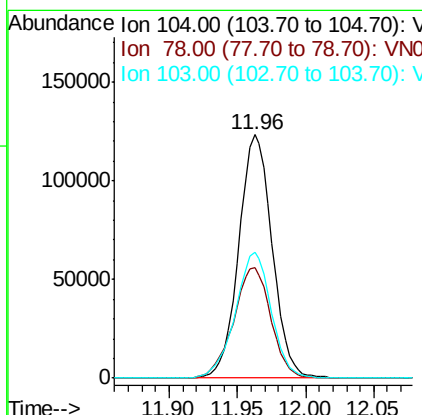
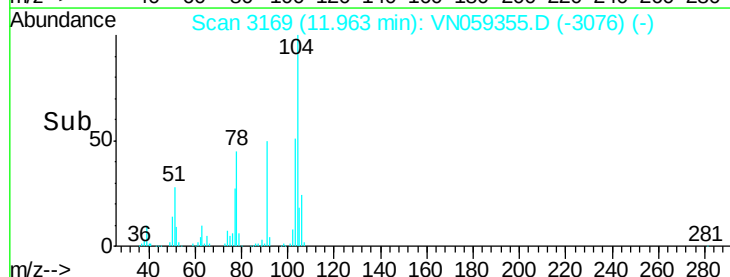
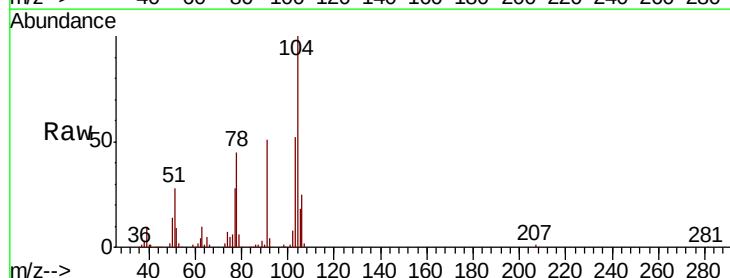
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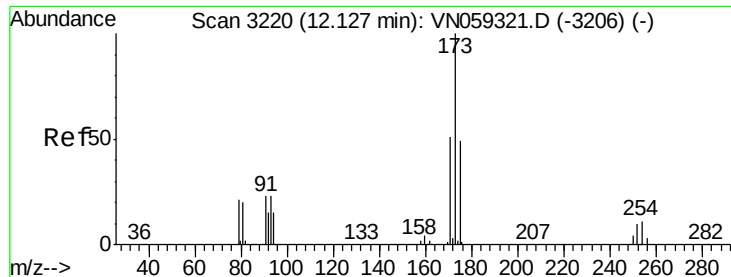
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#70
Styrene
Concen: 18.153 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	50.8	40.3	60.5	
103	55.6	43.6	65.4	





#71

Bromoform

Concen: 18.300 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion:173 Resp: 58043

Ion Ratio Lower Upper

173 100

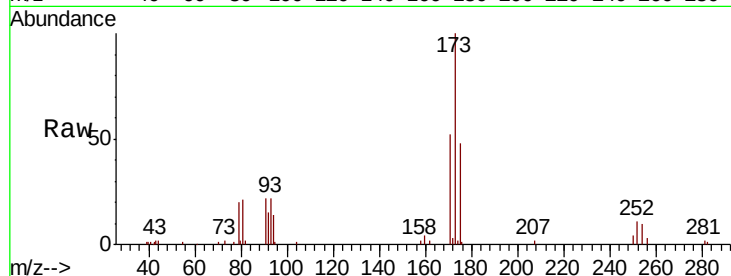
175 48.3 24.6 73.6

254 0.0 0.1 0.1#

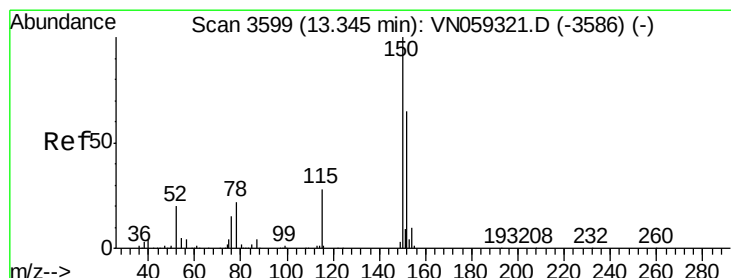
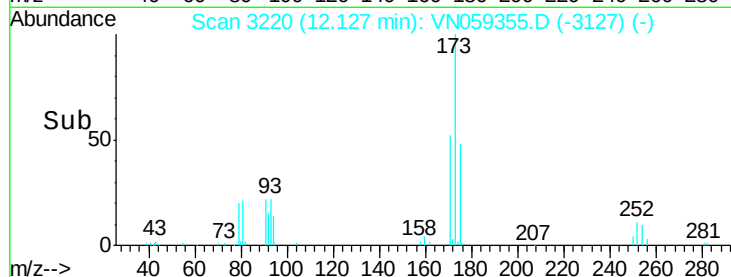
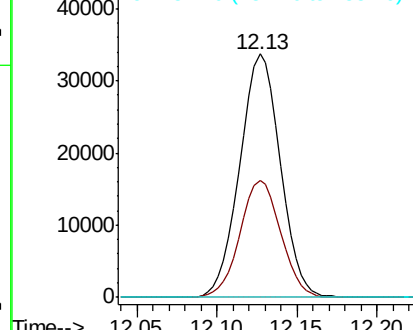
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

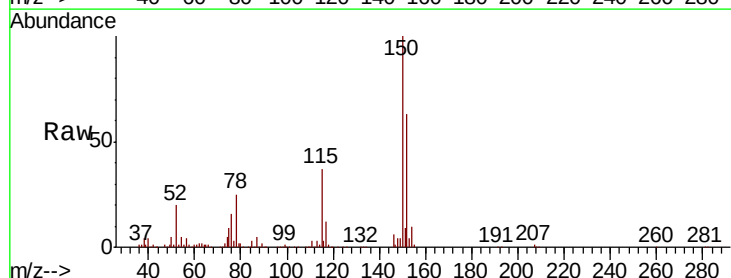
Tgt Ion:152 Resp: 240918

Ion Ratio Lower Upper

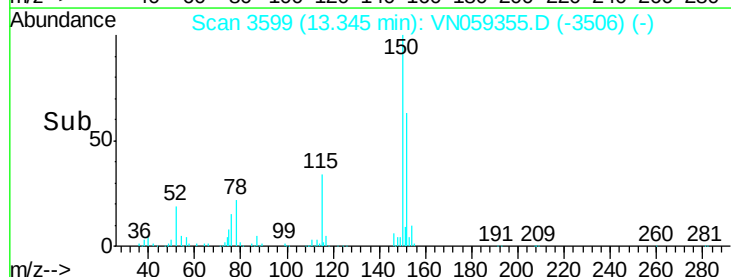
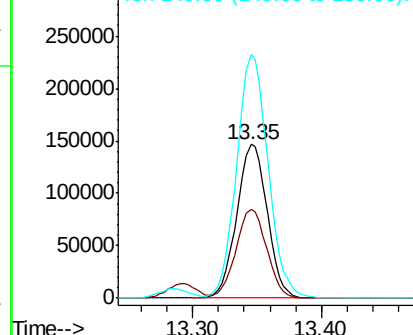
152 100

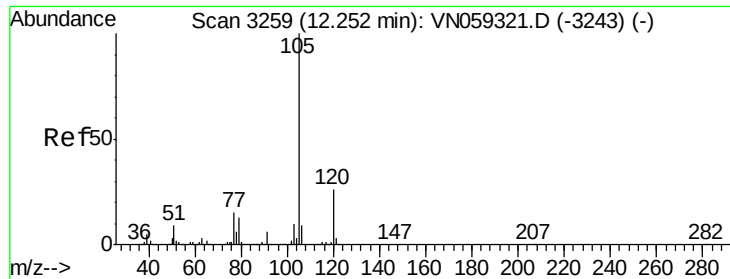
115 58.4 29.3 88.0

150 163.5 0.0 346.0



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





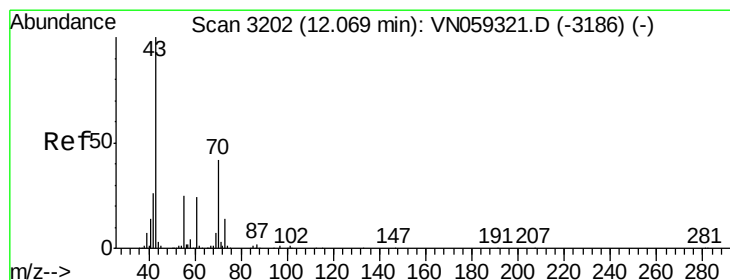
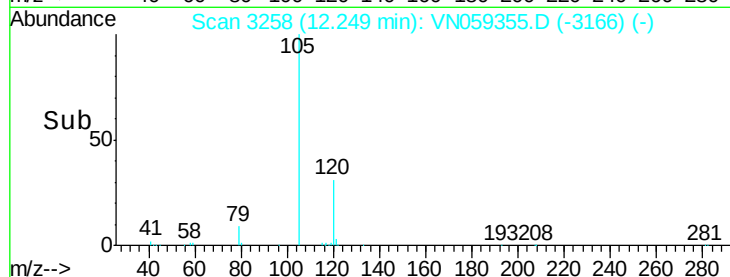
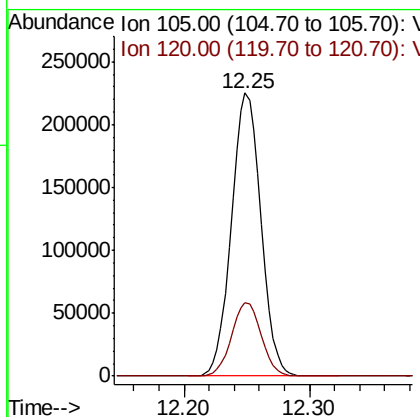
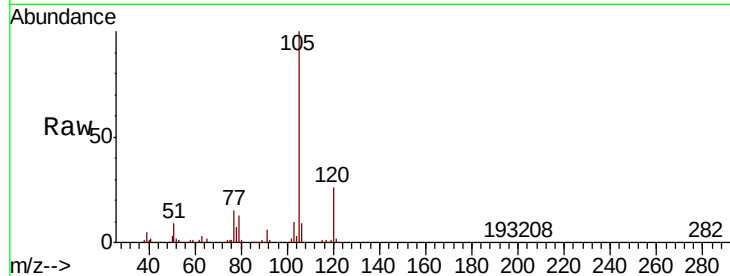
#73
Isopropylbenzene
Concen: 18.573 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

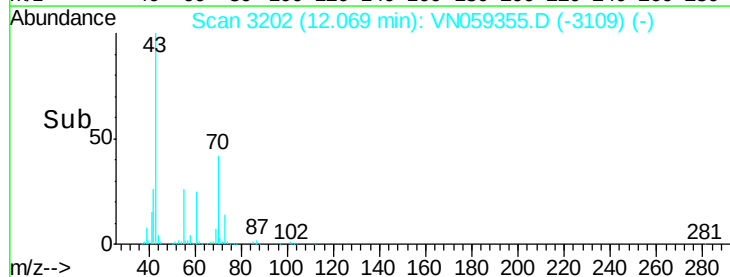
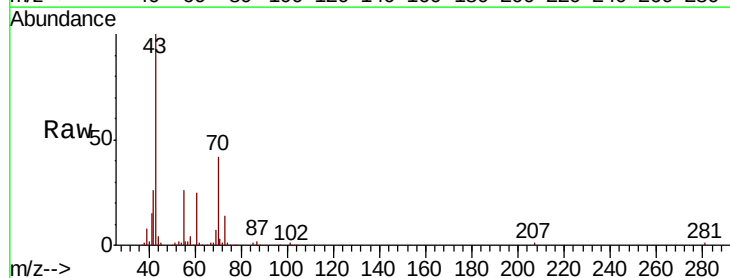
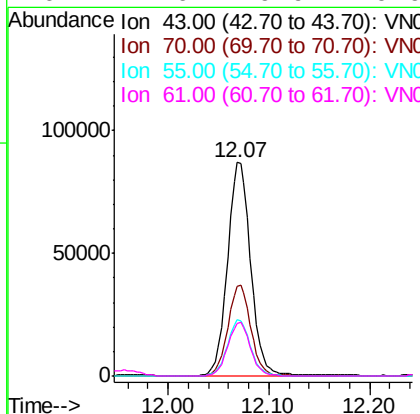
Manual Integrations
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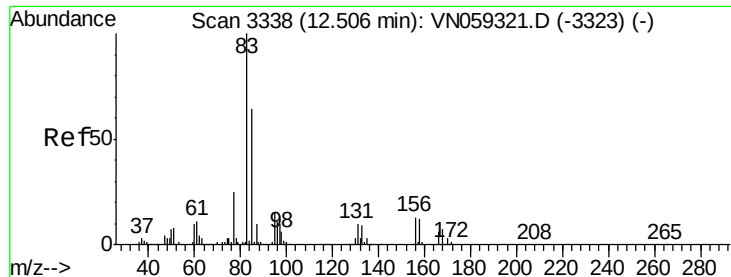
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#74
N-ethyl acetate
Concen: 17.716 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.8	33.8	50.6
55	26.2	20.3	30.5
61	24.6	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.783 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

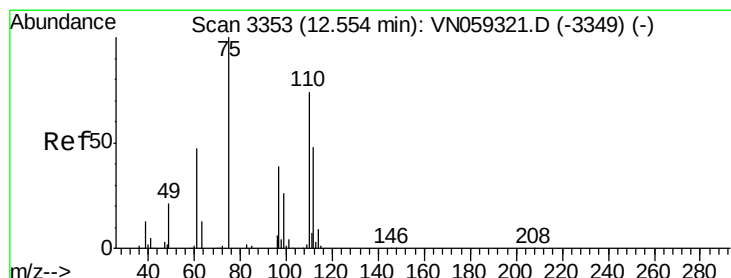
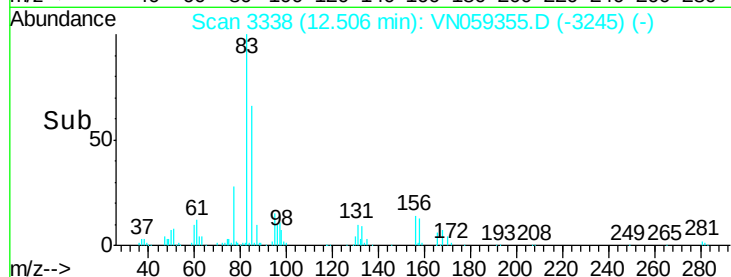
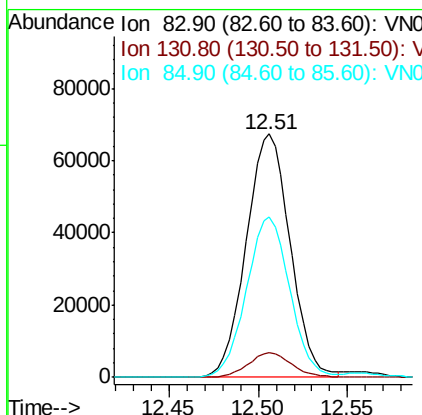
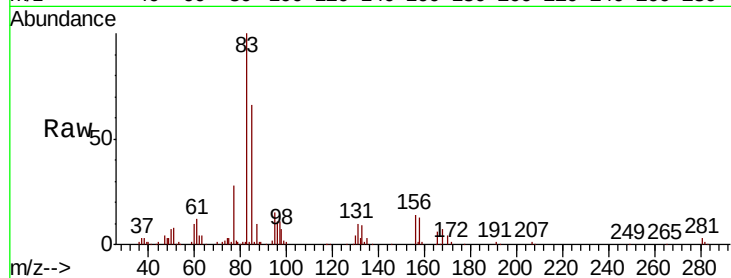
ClientSampleId :

VN1122WBS01

Tot Ion:	83	Resp:	116096
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.8	32.1	96.3

Manual Integrations
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11/26/2019 2:43:20 PM



#76

1,2,3-Trichloropropane

Concen: 19.612 ug/l m

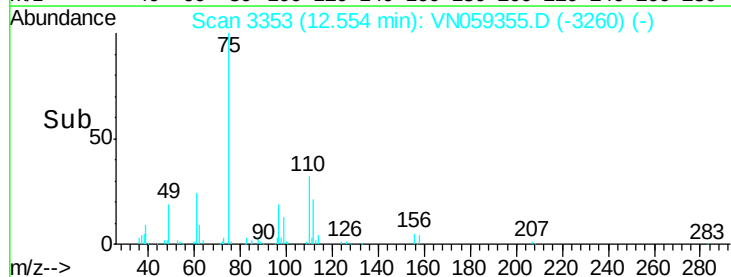
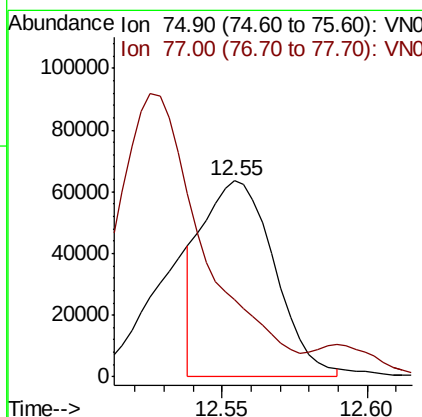
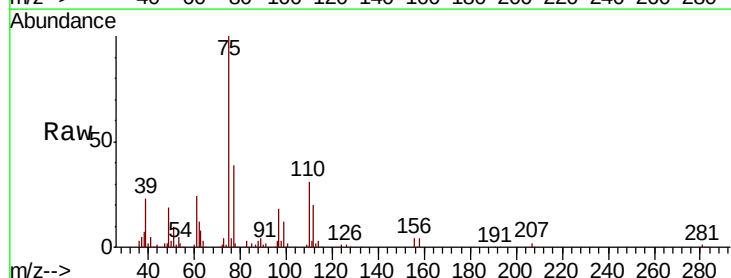
RT: 12.55 min Scan# 3353

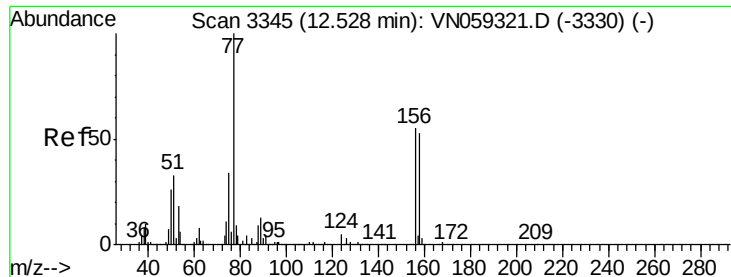
Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Tgt Ion:	75	Resp:	109157
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.127 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion:156 Resp: 86774

Ion Ratio Lower Upper

156 100

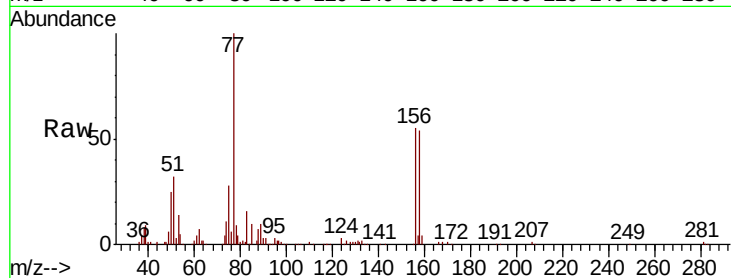
77 222.6 111.1 333.4

158 97.1 47.8 143.4

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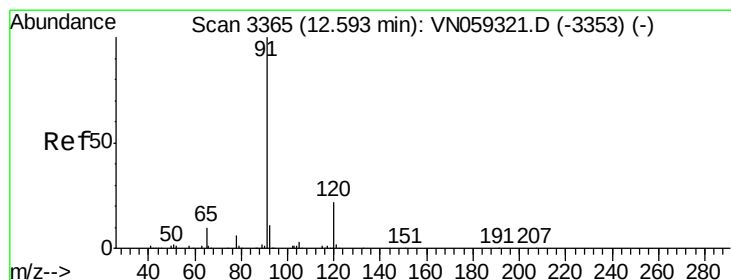
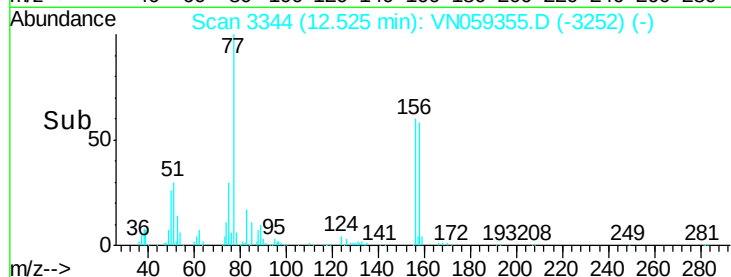
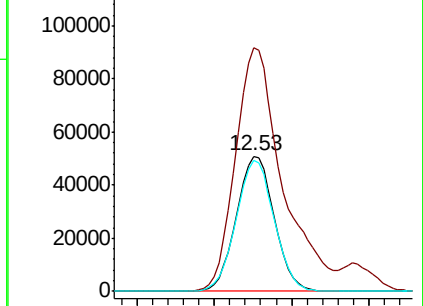
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.696 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059355.D

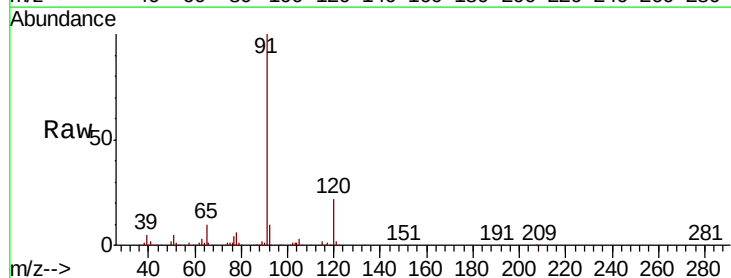
Acq: 22 Nov 2019 11:45

Tgt Ion: 91 Resp: 417964

Ion Ratio Lower Upper

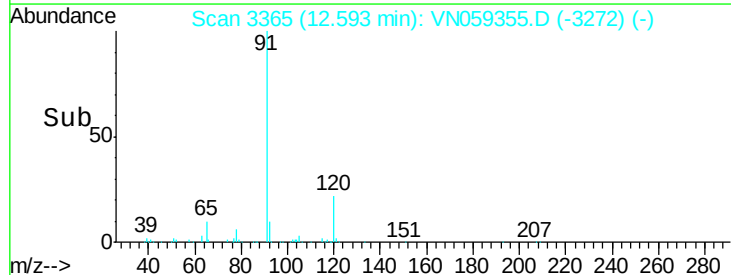
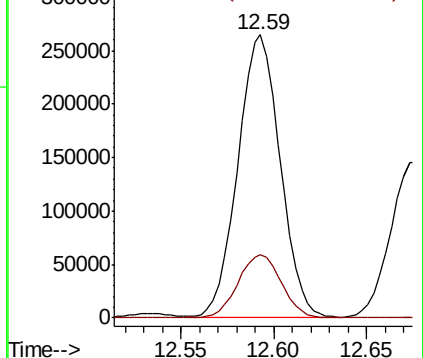
91 100

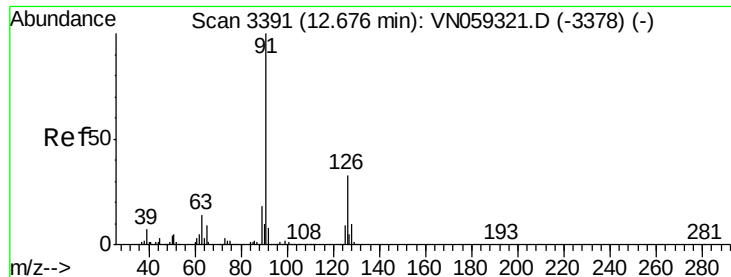
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.027 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion: 91 Resp: 247366

Ion Ratio Lower Upper

91 100

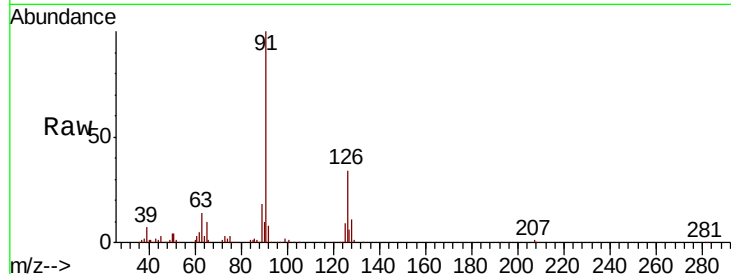
126 33.8 16.7 50.1

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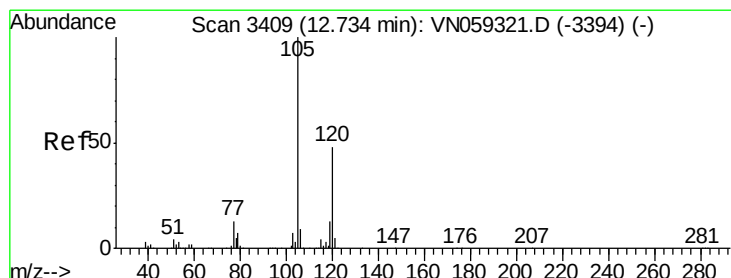
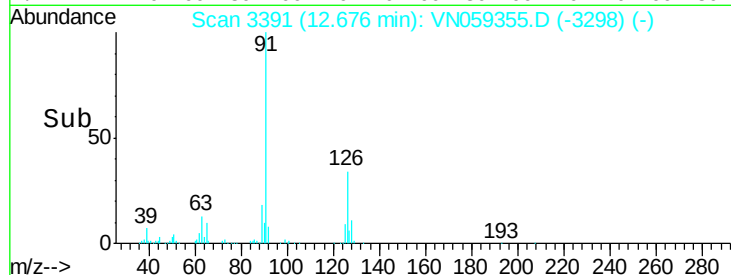
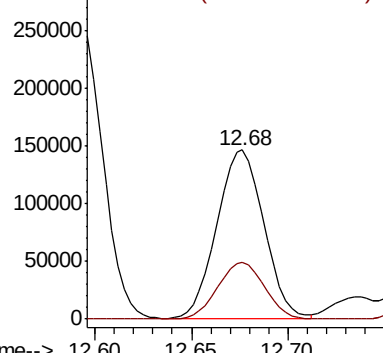
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Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.232 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059355.D

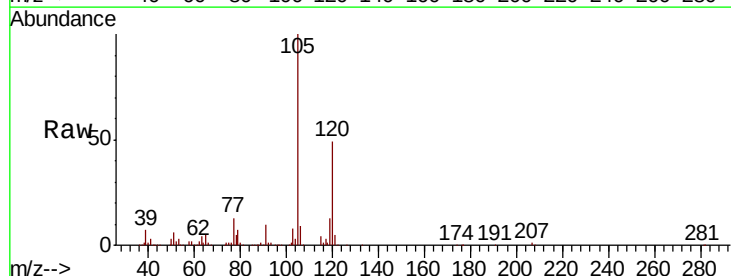
Acq: 22 Nov 2019 11:45

Tgt Ion: 105 Resp: 302476

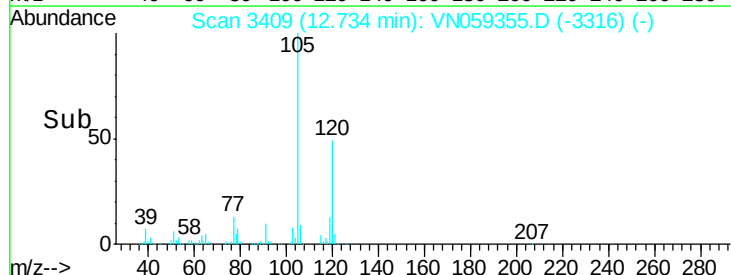
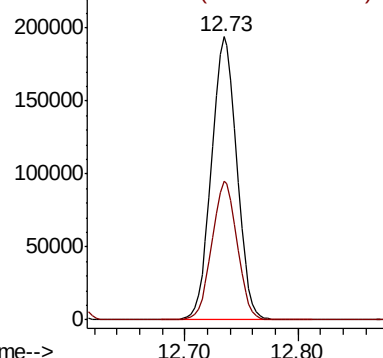
Ion Ratio Lower Upper

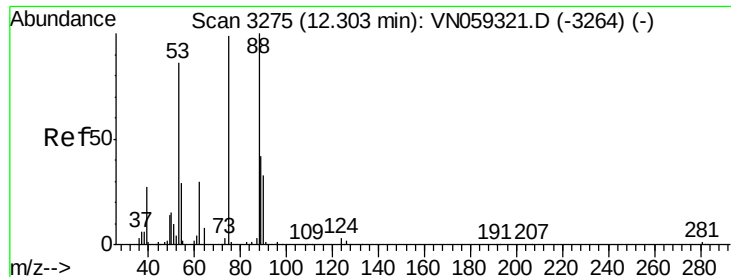
105 100

120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)





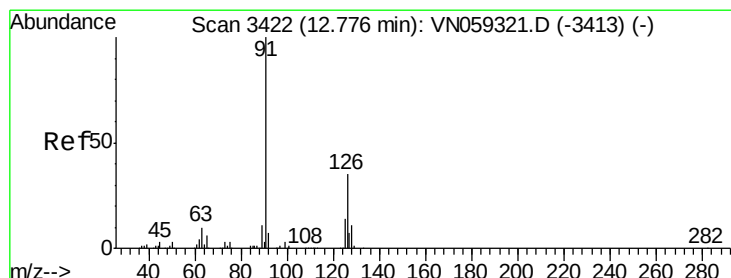
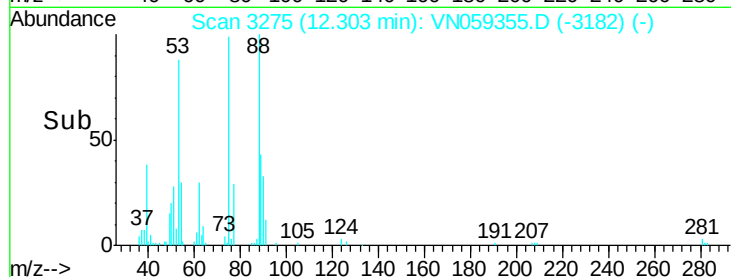
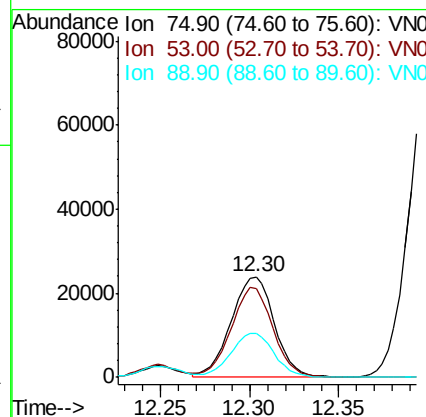
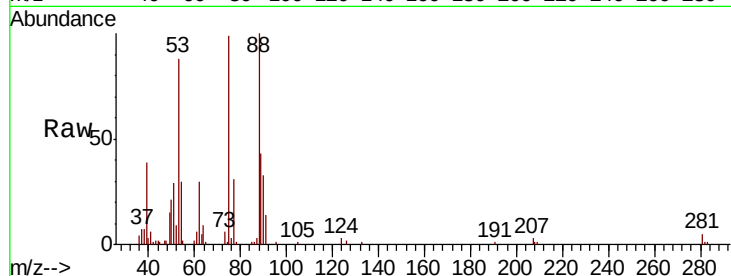
#81
trans-1,4-Dichloro-2-butene
Concen: 18.012 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.4	70.7	106.1
89	44.1	35.4	53.0

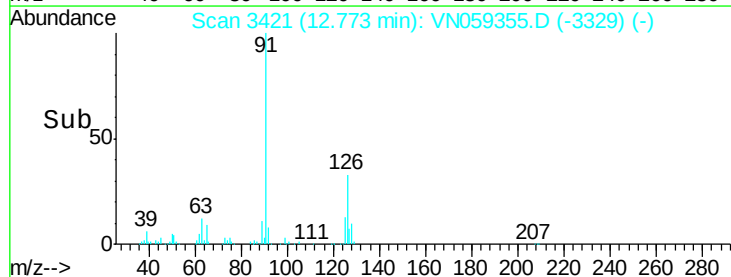
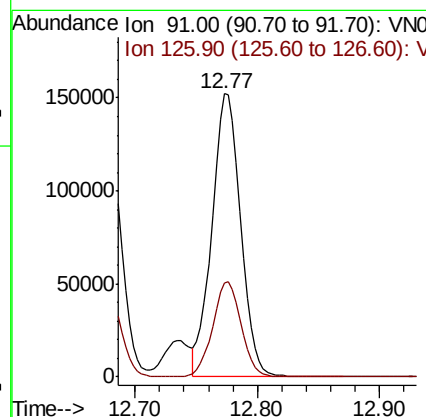
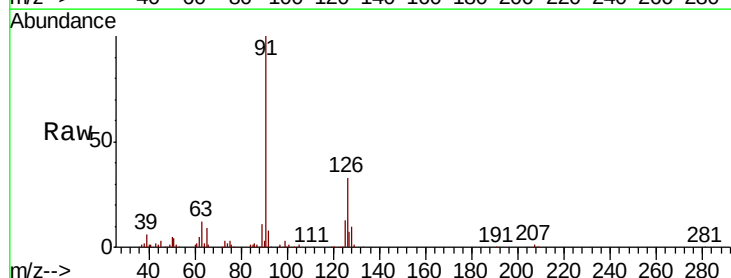
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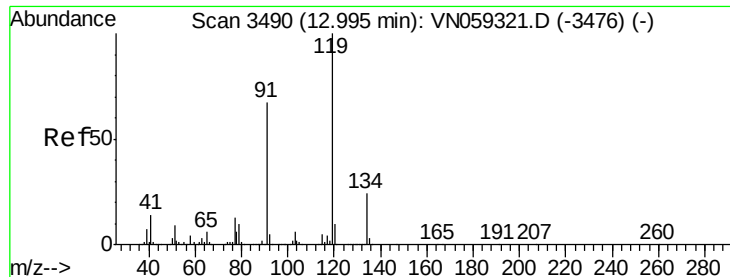
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#82
4-Chlorotoluene
Concen: 17.593 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.2	48.6





#83

tert-Butylbenzene

Concen: 18.629 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

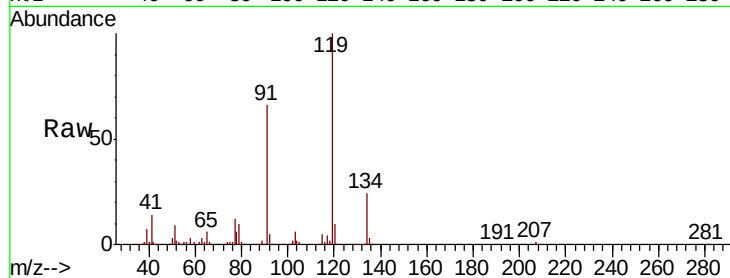
ClientSampleId :

VN1122WBS01

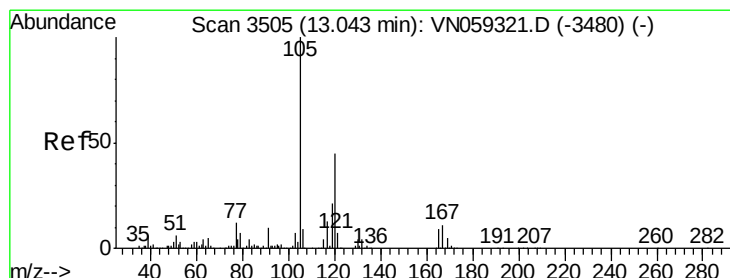
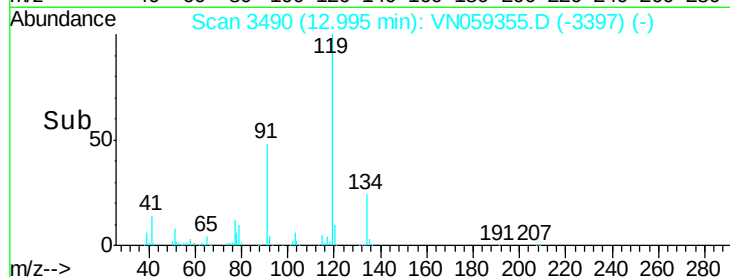
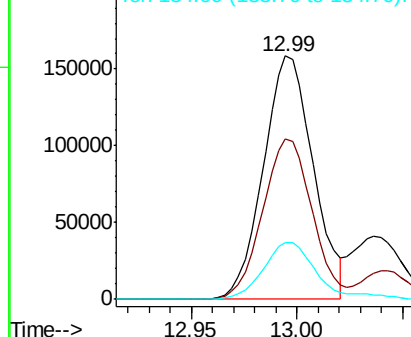
Tot Ion:	119	Resp:	261025
Ion Ratio	Lower	Upper	
119	100		
91	65.3	32.8	98.4
134	25.3	13.0	38.9

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.425 ug/l

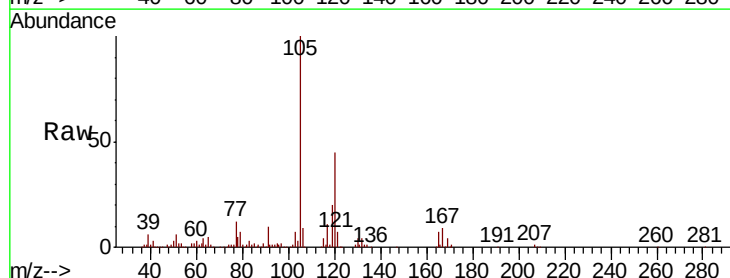
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

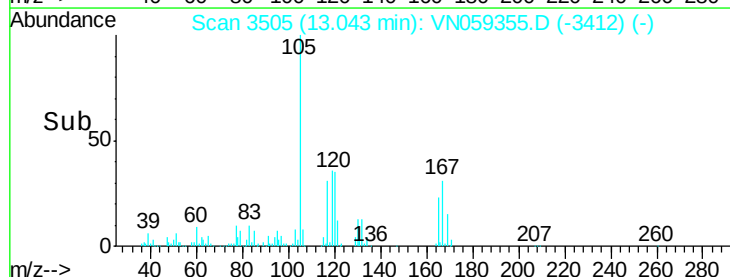
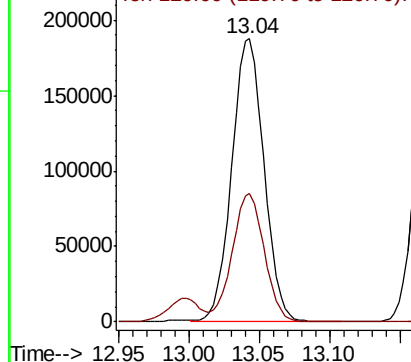
Lab File: VN059355.D

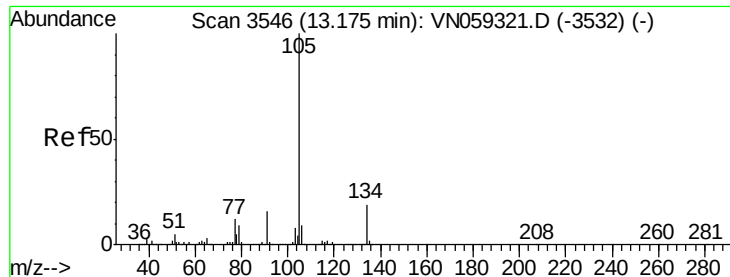
Acq: 22 Nov 2019 11:45

Tgt Ion:	105	Resp:	299433
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.8



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





#85

sec-Butylbenzene

Concen: 18.572 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBS01

Tot Ion:105 Resp: 349759

Ion Ratio Lower Upper

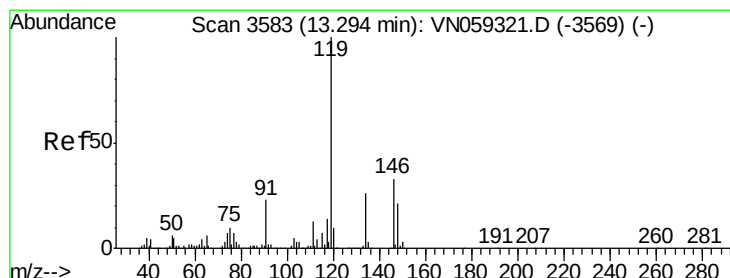
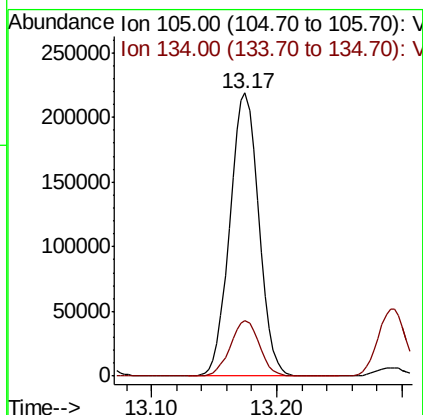
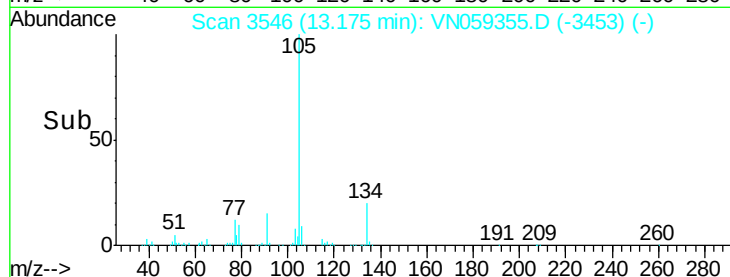
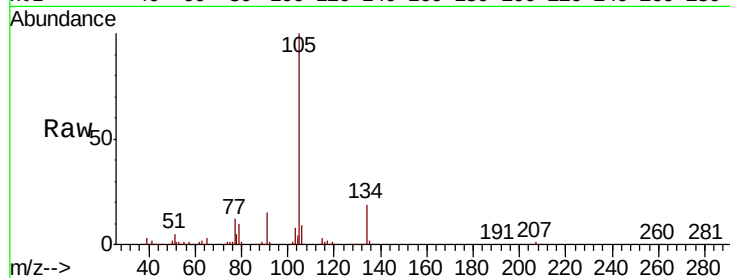
105 100

134 19.6 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 18.792 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

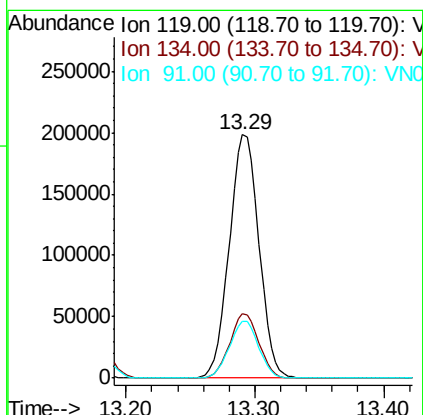
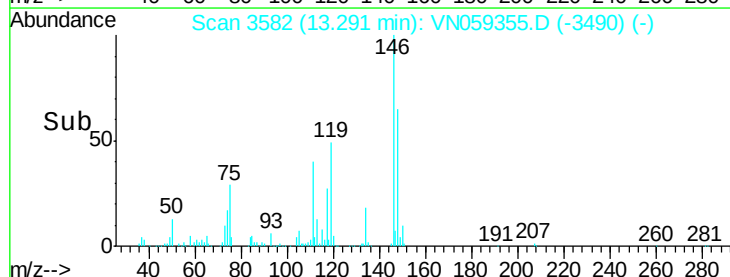
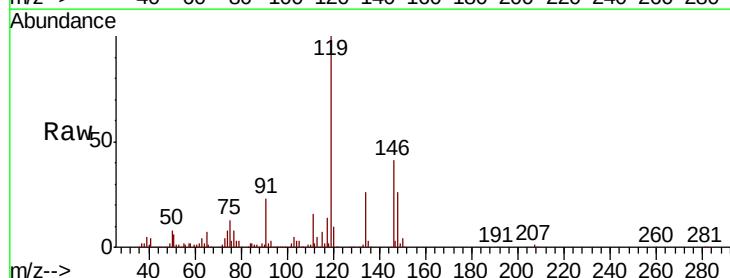
Tgt Ion:119 Resp: 314919

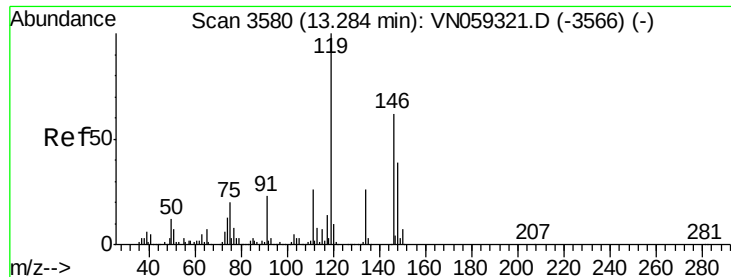
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.2 11.6 34.7





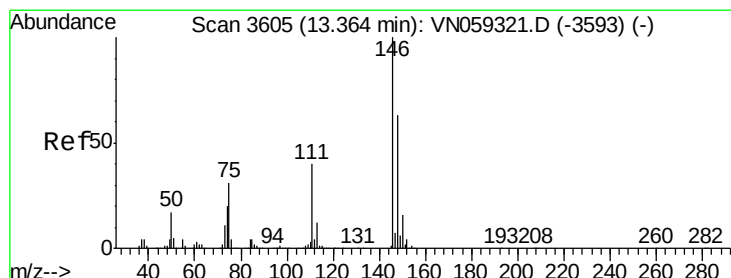
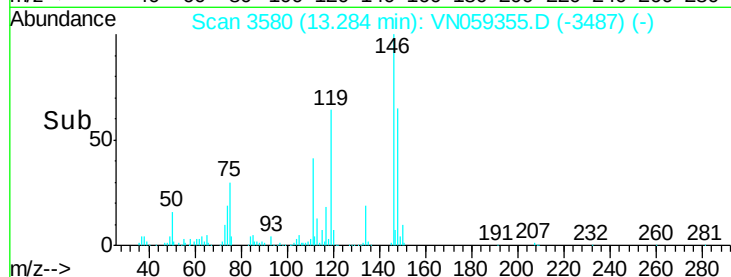
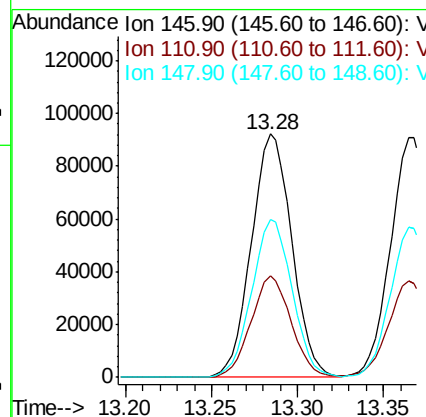
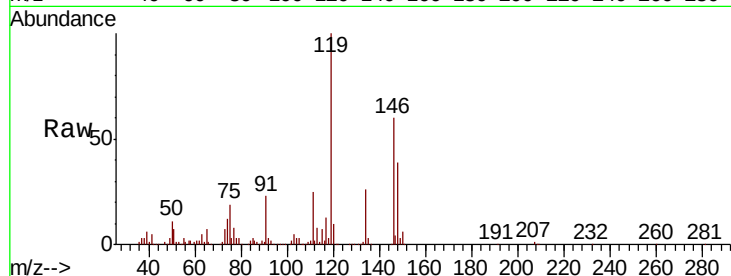
#87
 1,3-Dichlorobenzene
 Concen: 17.729 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.5	31.9	95.5

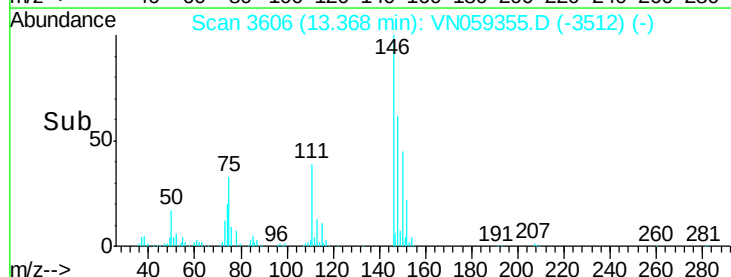
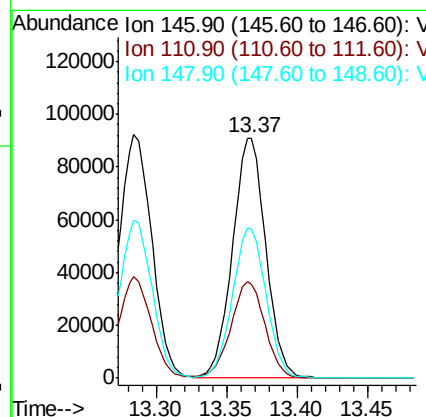
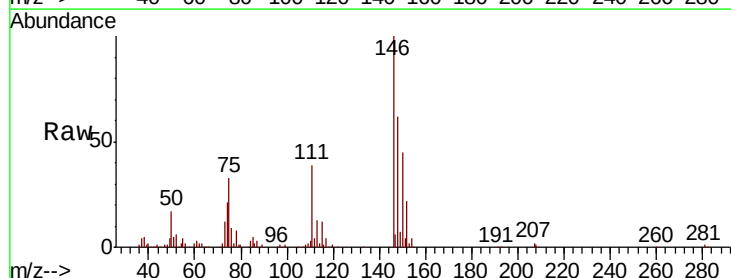
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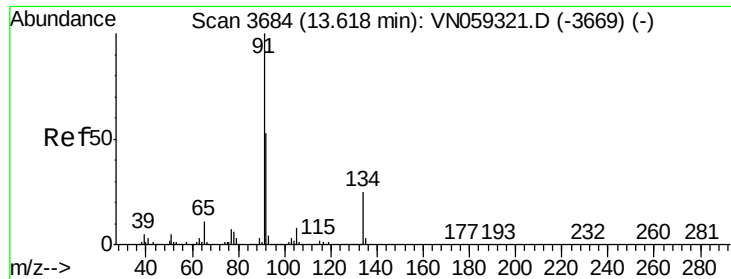
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#88
 1,4-Dichlorobenzene
 Concen: 17.735 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	63.4	31.7	95.1





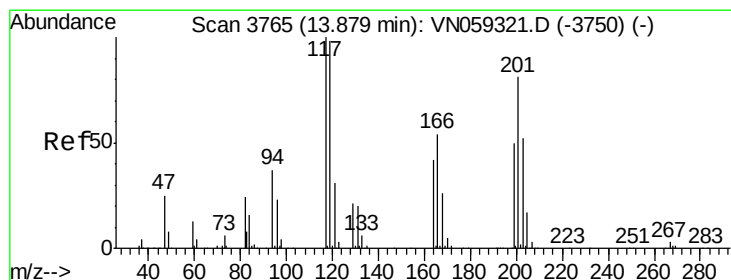
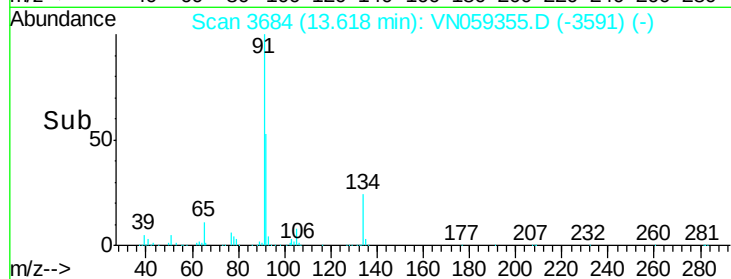
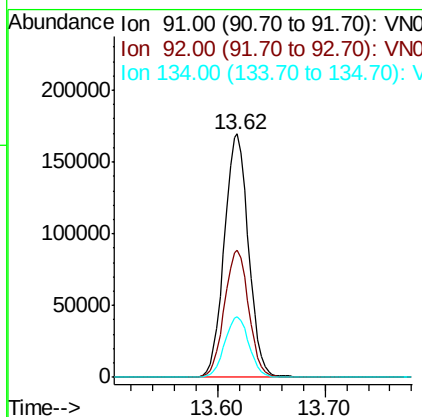
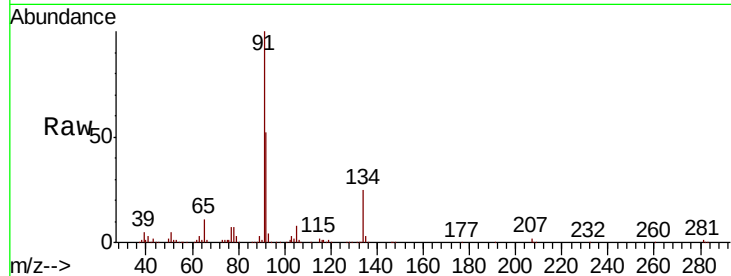
#89
n-Butylbenzene
Concen: 18.062 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	25.0	12.7	38.1

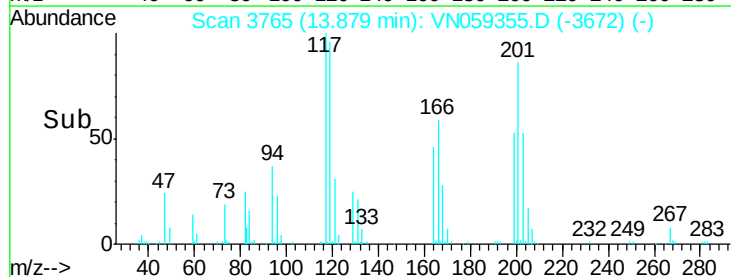
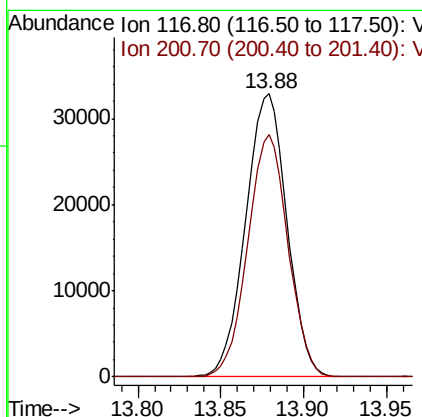
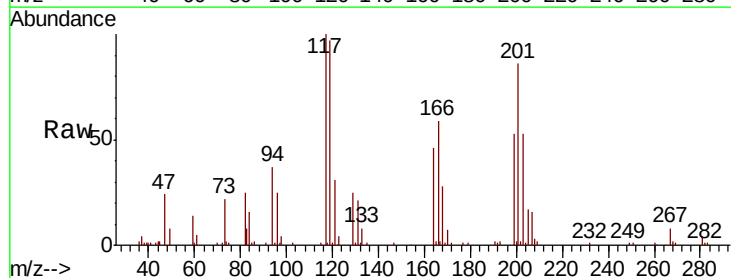
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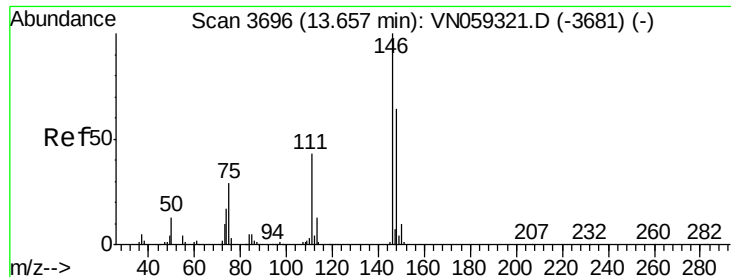
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#90
Hexachloroethane
Concen: 17.962 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 18.012 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Instrument :

MSVOA_N

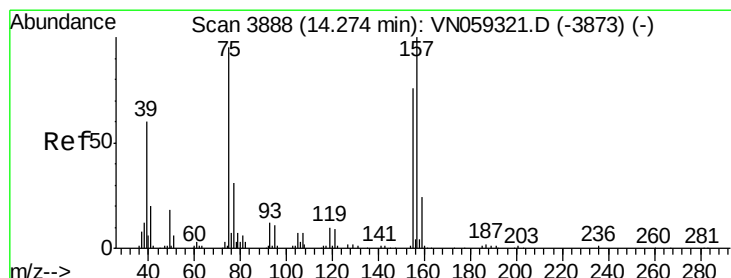
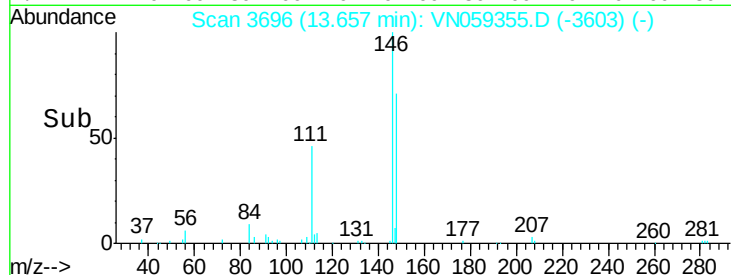
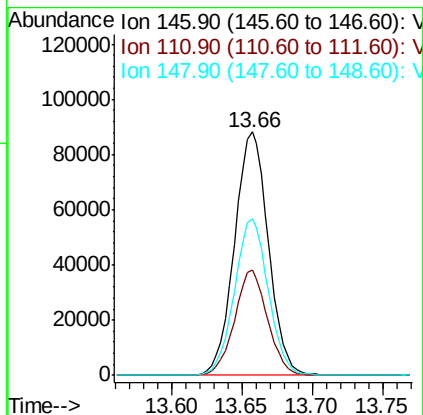
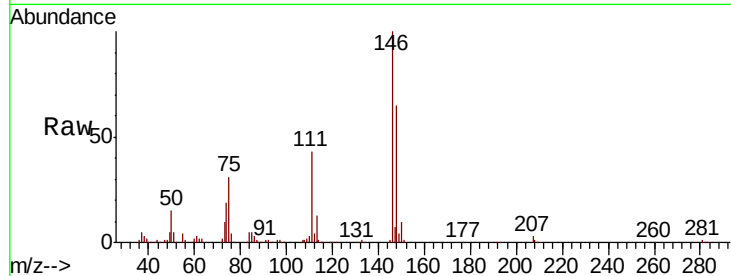
ClientSampleId :

VN1122WBS01

Tot Ion:	146	Resp:	148557
Ion Ratio		Lower	Upper
146	100		
111	42.2	21.3	64.0
148	64.2	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.151 ug/l

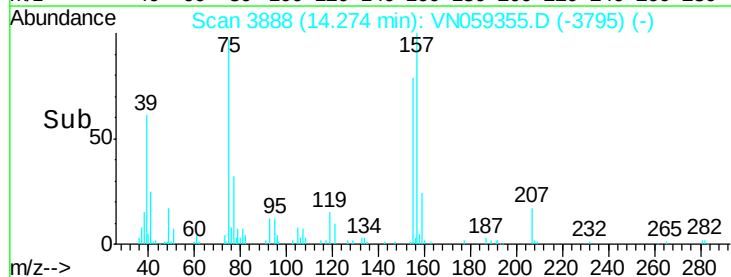
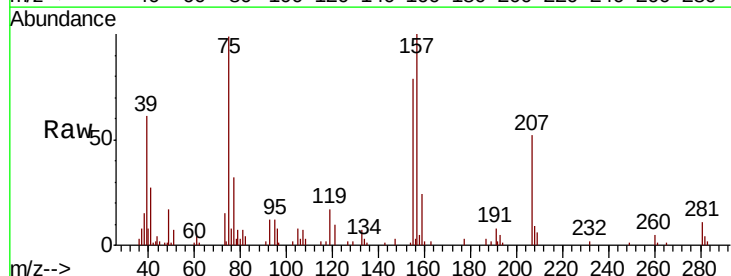
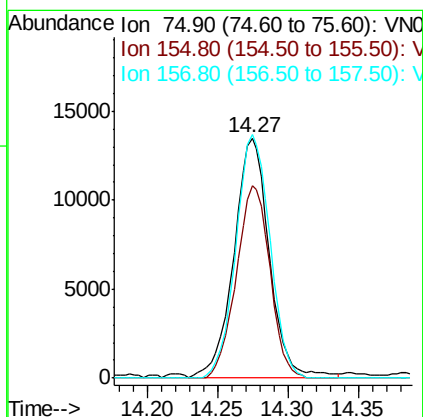
RT: 14.27 min Scan# 3888

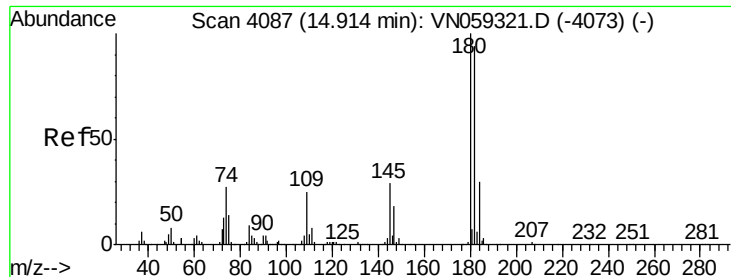
Delta R.T. 0.00 min

Lab File: VN059355.D

Acq: 22 Nov 2019 11:45

Tgt Ion:	75	Resp:	23805
Ion Ratio		Lower	Upper
75	100		
155	75.8	40.5	121.5
157	97.3	52.7	158.1





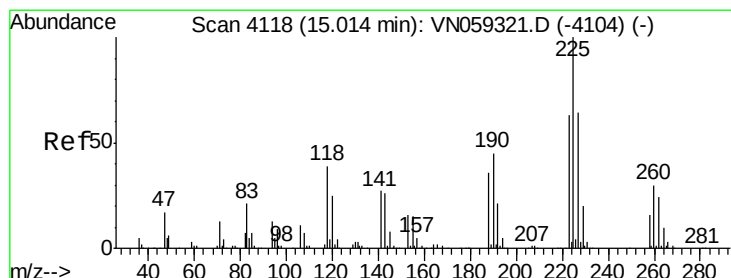
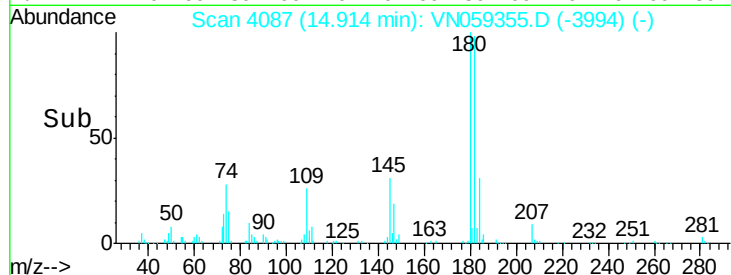
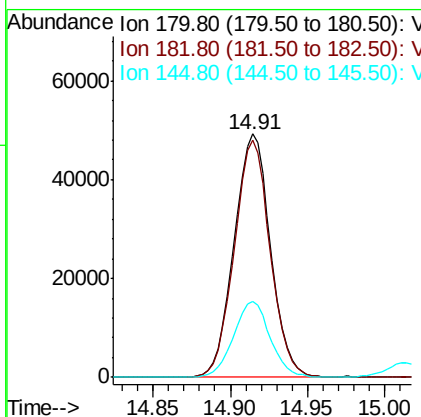
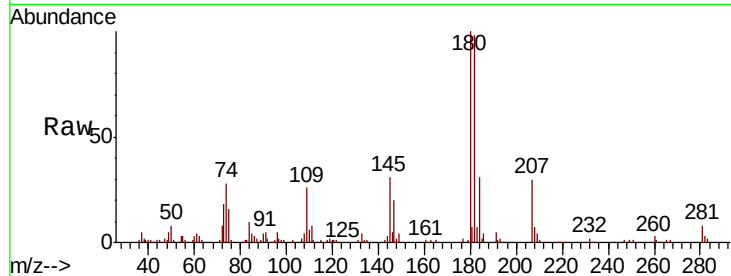
#93
 1,2,4-Trichlorobenzene
 Concen: 17.650 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.2	141.6
145	31.4	14.9	44.5

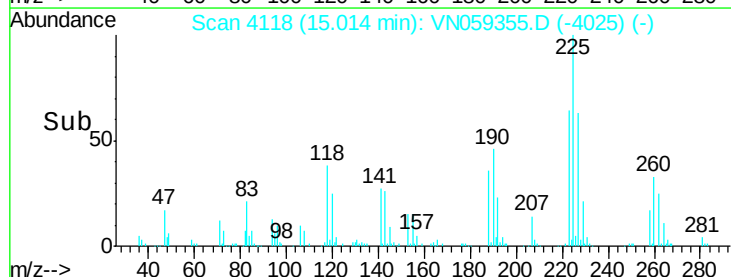
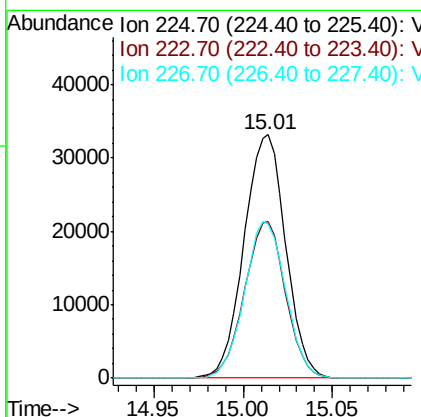
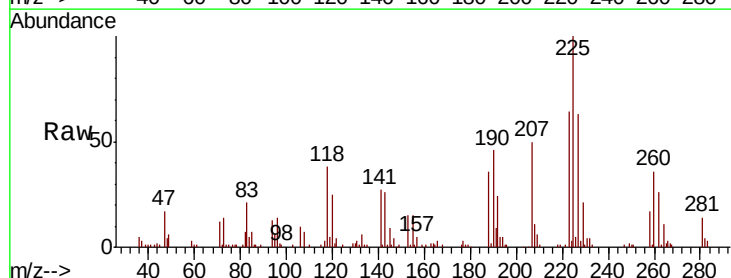
Manual Integrations
 APPROVED

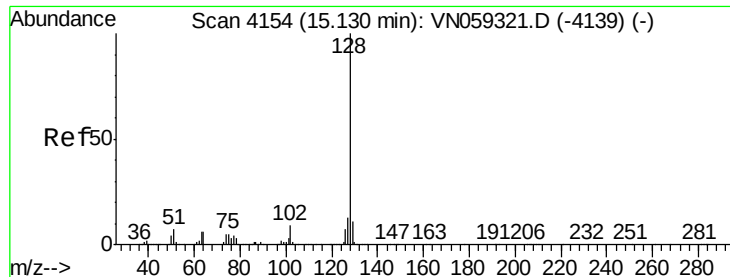
MMDadoda
 11/26/2019 2:43:20 PM



#94
 Hexachlorobutadiene
 Concen: 18.177 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059355.D
 Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	94.8
227	63.7	32.6	97.7





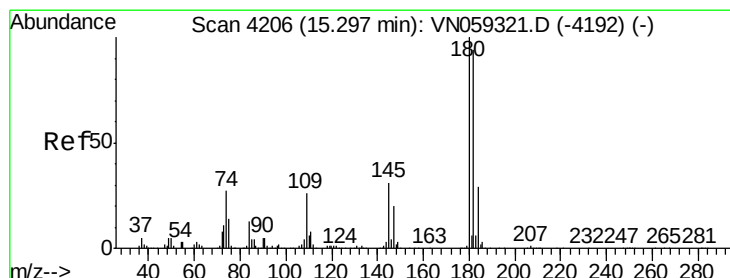
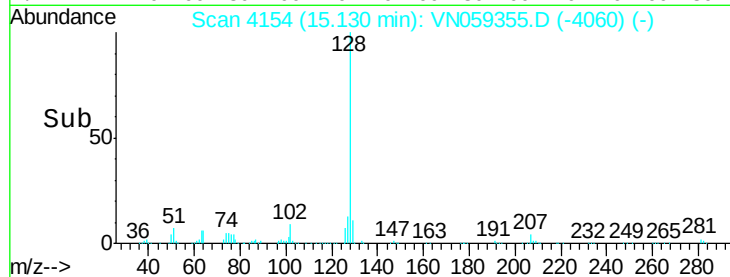
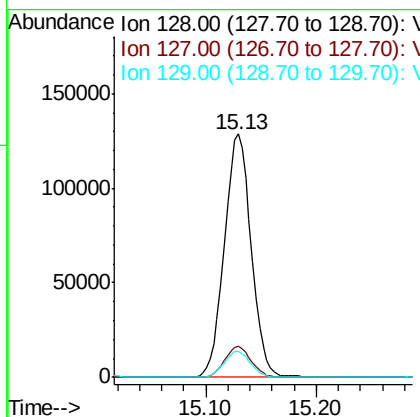
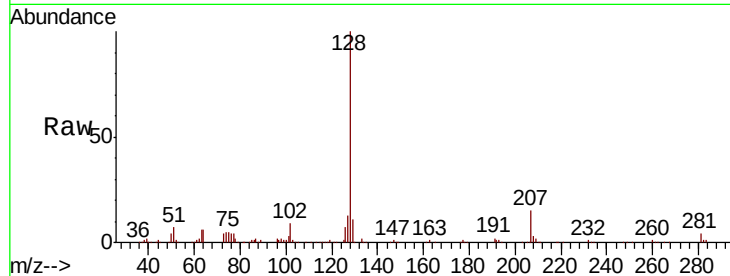
#95
Naphthalene
Concen: 17.456 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 2:43:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.422 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059355.D
Acq: 22 Nov 2019 11:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.4
145	33.2	15.6	46.8

