

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063739.D
 Acq On : 30 Sep 2020 10:25
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:39:50 PM

Quant Time: Sep 30 11:48:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	271057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186737	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	21629	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
35) Dibromofluoromethane	7.54	113	15038	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.06	98	56020	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.38	95	20177	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	15514	5.160	ug/l	100
3) Chloromethane	2.04	50	17126	4.368	ug/l #	87
4) Vinyl Chloride	2.16	62	17866	5.092	ug/l	97
5) Bromomethane	2.52	94	12378	5.868	ug/l	87
6) Chloroethane	2.67	64	10889	5.001	ug/l	95
7) Trichlorofluoromethane	2.98	101	26685	5.022	ug/l	97
8) Diethyl Ether	3.37	74	9383	4.623	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14660	4.943	ug/l #	78
10) Methyl Iodide	3.91	142	13875	3.649	ug/l	97
11) Tert butyl alcohol	4.73	59	11522	18.877	ug/l #	84
12) 1,1-Dichloroethene	3.69	96	14222	4.785	ug/l	85
13) Acrolein	3.56	56	6881	27.590	ug/l #	75
14) Allyl chloride	4.27	41	24903	4.269	ug/l	97
15) Acrylonitrile	4.93	53	33993	21.466	ug/l #	87
16) Acetone	3.77	43	33693	22.977	ug/l	98
17) Carbon Disulfide	4.01	76	39634	4.617	ug/l #	95
18) Methyl Acetate	4.28	43	16081	4.345	ug/l #	66
19) Methyl tert-butyl Ether	4.98	73	47837	4.295	ug/l #	89
20) Methylene Chloride	4.50	84	16667	4.533	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	15706	4.756	ug/l	91
22) Diisopropyl ether	5.90	45	50031	4.160	ug/l	89
23) Vinyl Acetate	5.84	43	202529	20.560	ug/l	99
24) 1,1-Dichloroethane	5.80	63	30504	4.644	ug/l #	91
25) 2-Butanone	6.78	43	45598	20.474	ug/l	98
26) 2,2-Dichloropropane	6.77	77	27370	4.693	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	17772	4.753	ug/l	95
28) Bromochloromethane	7.15	49	15170m	4.897	ug/l	
29) Tetrahydrofuran	7.16	42	29922	19.684	ug/l	98
30) Chloroform	7.33	83	31562	4.757	ug/l	94
31) Cyclohexane	7.61	56	31246	5.107	ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	27676	4.659	ug/l	99
36) 1,1-Dichloropropene	7.75	75	22879	4.915	ug/l	97
37) Ethyl Acetate	6.88	43	21061	4.629	ug/l #	95
38) Carbon Tetrachloride	7.73	117	24342	5.072	ug/l	98

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22424	4.477	ug/l	92
40) Benzene	8.00	78	65809	4.952	ug/l	98
41) Methacrylonitrile	7.12	41	8841m	4.242	ug/l	
42) 1,2-Dichloroethane	8.08	62	27577	5.112	ug/l	100
43) Isopropyl Acetate	8.12	43	33700	4.132	ug/l	98
44) Trichloroethene	8.80	130	16555	5.075	ug/l	99
45) 1,2-Dichloropropane	9.08	63	16730	4.629	ug/l	97
46) Dibromomethane	9.17	93	11464	4.800	ug/l	98
47) Bromodichloromethane	9.37	83	24210	4.855	ug/l	98
48) Methyl methacrylate	9.16	41	15572	3.901	ug/l	96
49) 1,4-Dioxane	9.16	88	4741	83.133	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	99767	21.677	ug/l	99
52) Toluene	10.12	92	38912	4.849	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	24690	4.461	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	26273	4.515	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	15869	4.952	ug/l	96
56) Ethyl methacrylate	10.40	69	20561	4.154	ug/l	95
57) 1,3-Dichloropropane	10.68	76	26561	4.624	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.66	63	57230	21.842	ug/l	98
59) 2-Hexanone	10.72	43	73204	21.945	ug/l	94
60) Dibromochloromethane	10.87	129	17513	4.832	ug/l	93
61) 1,2-Dibromoethane	10.98	107	15079	4.535	ug/l	90
64) Tetrachloroethene	10.60	164	16155	5.725	ug/l	95
65) Chlorobenzene	11.40	112	43402	5.042	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	15279	4.801	ug/l	95
67) Ethyl Benzene	11.48	91	75319	4.646	ug/l	96
68) m/p-Xylenes	11.59	106	54312	9.267	ug/l	99
69) o-Xylene	11.92	106	25907	4.654	ug/l	95
70) Styrene	11.94	104	39713	4.253	ug/l	98
71) Bromoform	12.10	173	10819	4.550	ug/l #	100
73) Isopropylbenzene	12.22	105	68166	4.630	ug/l	100
74) N-amyl acetate	12.05	43	24661	3.579	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	21684	4.757	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	20221m	4.449	ug/l	
77) Bromobenzene	12.50	156	17146	5.125	ug/l	97
78) n-propylbenzene	12.57	91	77567	4.533	ug/l	99
79) 2-Chlorotoluene	12.65	91	48461	4.712	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	55006	4.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	6005	3.643	ug/l #	80
82) 4-Chlorotoluene	12.75	91	48687	4.475	ug/l	97
83) tert-Butylbenzene	12.97	119	46472	4.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	55194	4.453	ug/l	98
85) sec-Butylbenzene	13.15	105	60250	4.456	ug/l	100
86) p-Isopropyltoluene	13.26	119	51472	4.313	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	29155	4.713	ug/l	95
88) 1,4-Dichlorobenzene	13.34	146	30578	4.886	ug/l	91
89) n-Butylbenzene	13.59	91	45297	4.136	ug/l	98
90) Hexachloroethane	13.85	117	10263	4.498	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	29411	4.868	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4485	4.173	ug/l	95

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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Quant Time: Sep 30 11:48:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 30 11:35:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	13166	3.763	ug/l	96
94) Hexachlorobutadiene	14.98	225	9008	5.975	ug/l	99
95) Naphthalene	15.10	128	36841	3.217	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	12384	3.664	ug/l	98

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

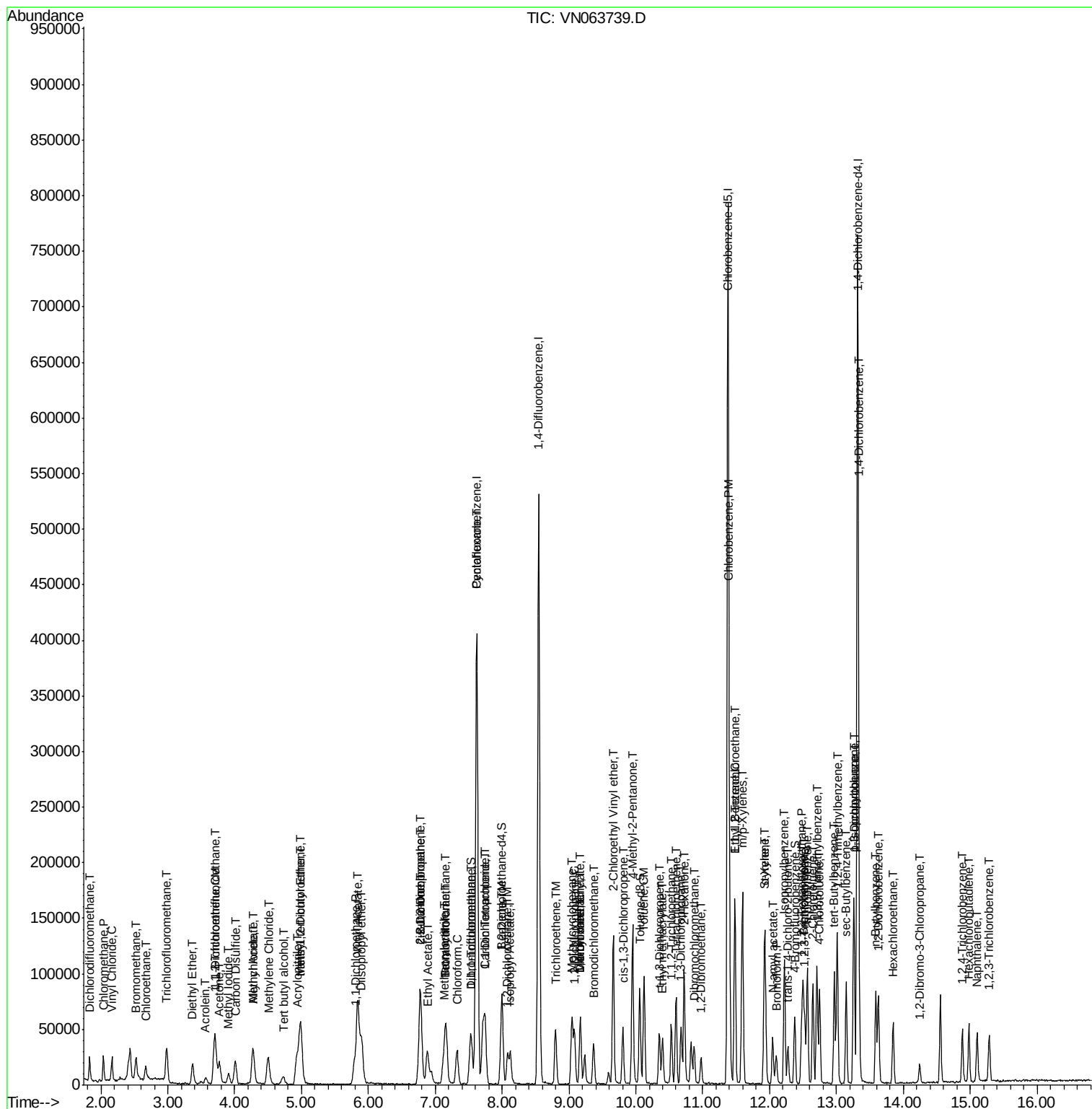
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Data File : VN063739.D
Acq On : 30 Sep 2020 10:25
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

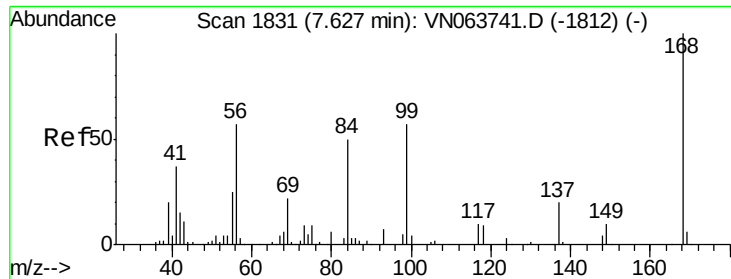
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 271057

Ion Ratio Lower Upper

168 100

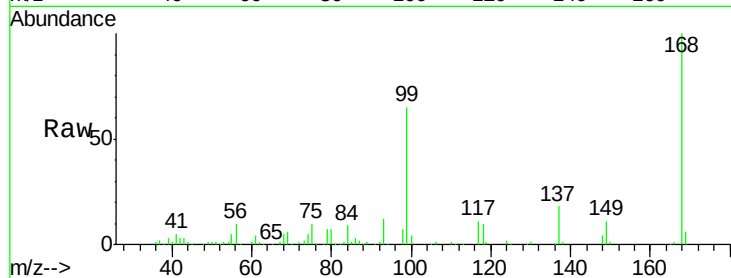
99 64.8 51.8 77.6

Manual Integrations

APPROVED

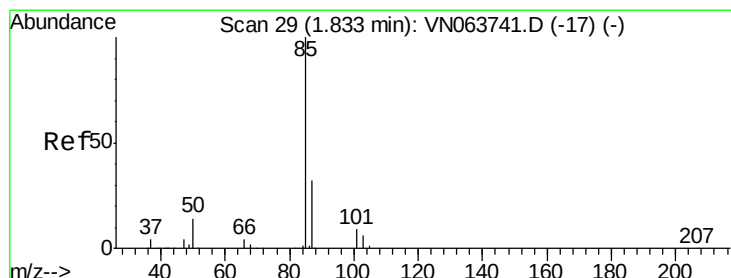
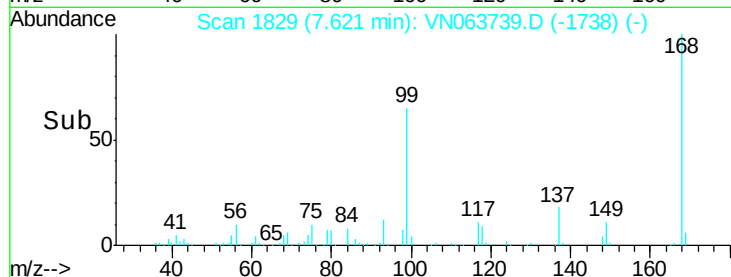
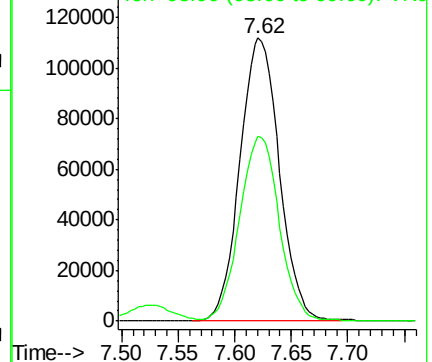
MMDadoda

10/1/2020 2:39:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.160 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063739.D

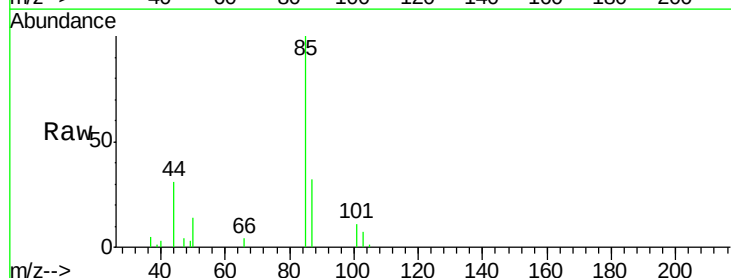
Acq: 30 Sep 2020 10:25

Tgt Ion: 85 Resp: 15514

Ion Ratio Lower Upper

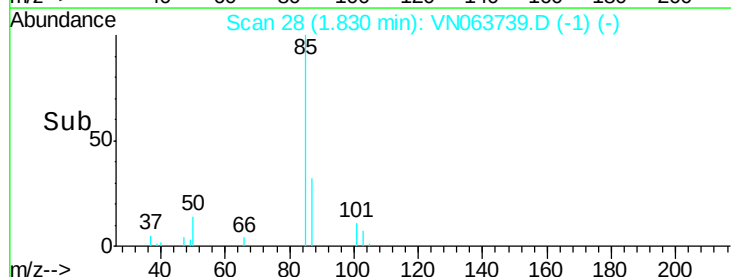
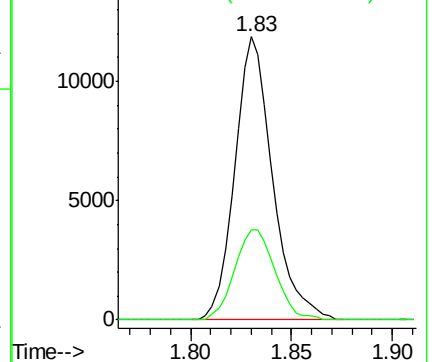
85 100

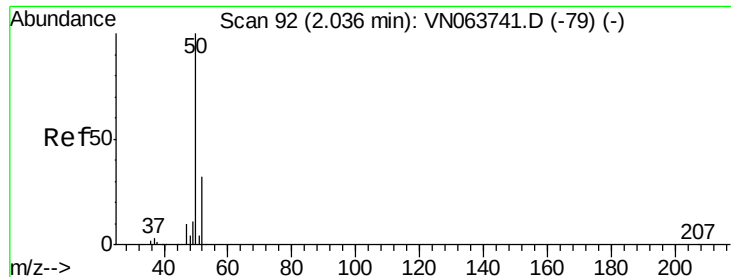
87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 4.368 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17126

Ion Ratio Lower Upper

50 100

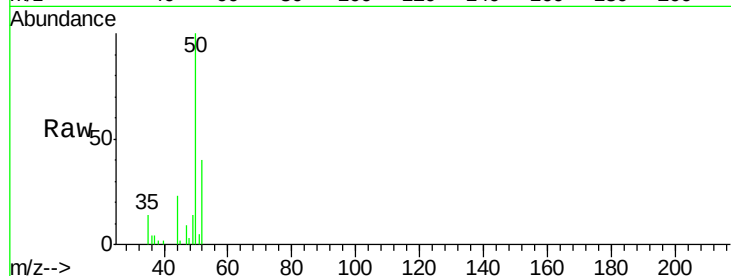
52 39.6 25.8 38.8#

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

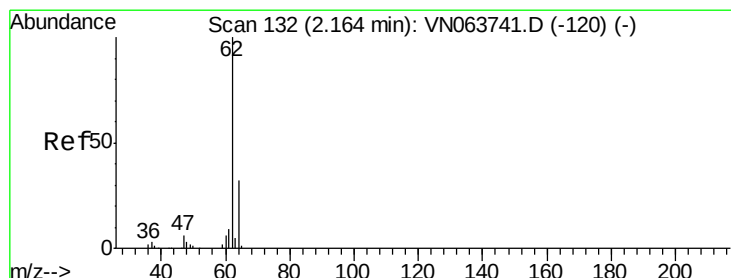
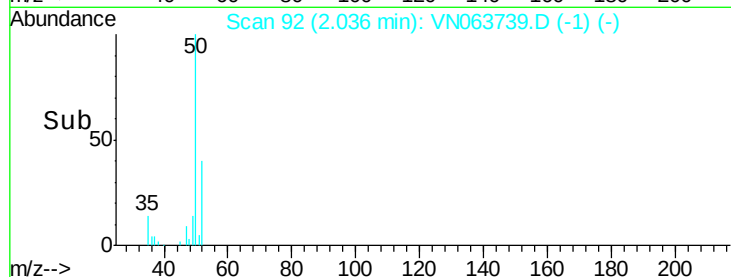
2.04

10000

5000

0

Time--> 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 5.092 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063739.D

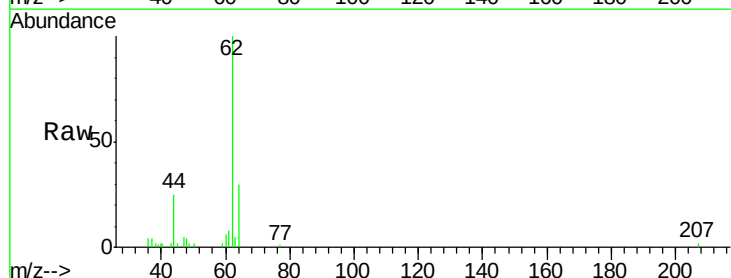
Acq: 30 Sep 2020 10:25

Tgt Ion: 62 Resp: 17866

Ion Ratio Lower Upper

62 100

64 30.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

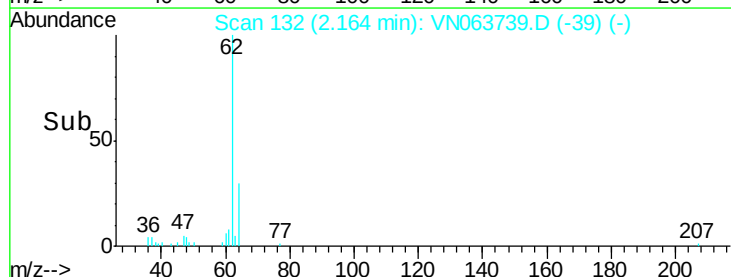
2.16

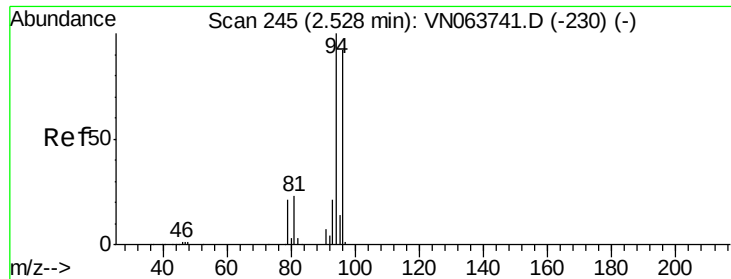
10000

5000

0

Time--> 2.10 2.15 2.20





#5

Bromomethane

Concen: 5.868 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12378

Ion Ratio Lower Upper

94 100

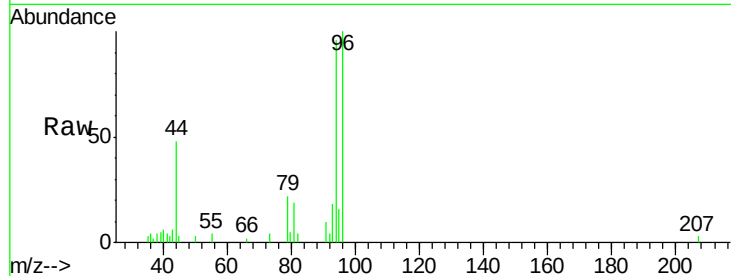
96 104.3 73.3 109.9

Manual Integrations

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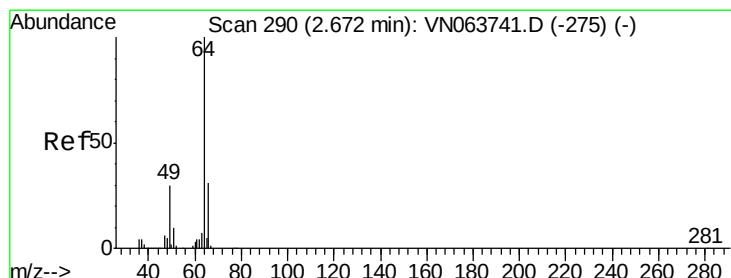
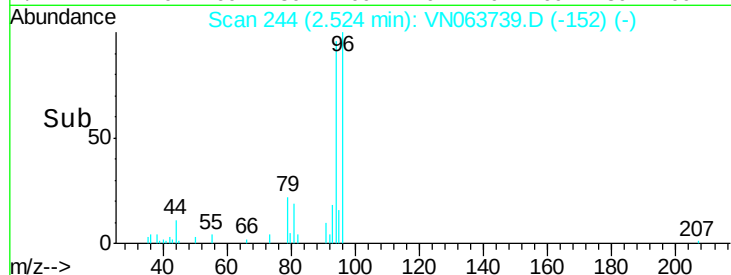
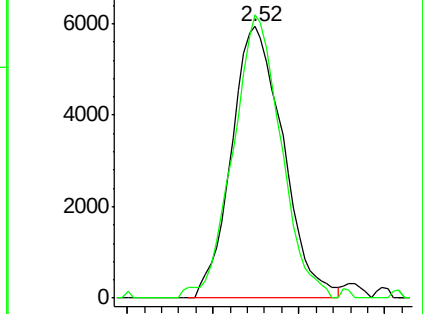
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.001 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063739.D

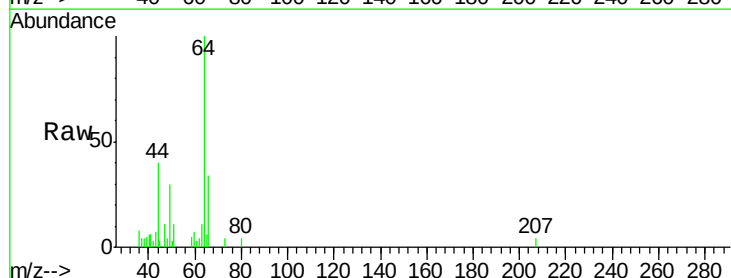
Acq: 30 Sep 2020 10:25

Tgt Ion: 64 Resp: 10889

Ion Ratio Lower Upper

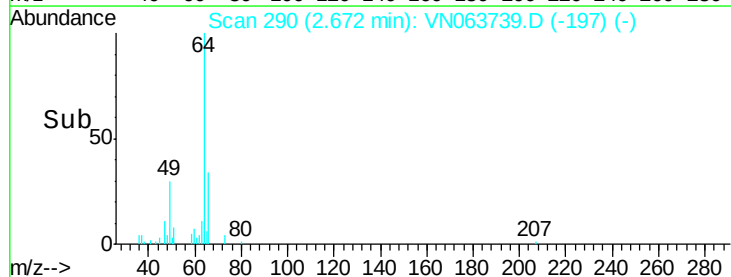
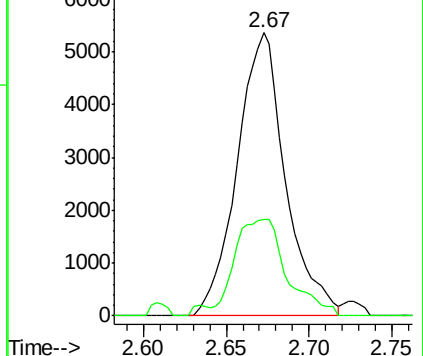
64 100

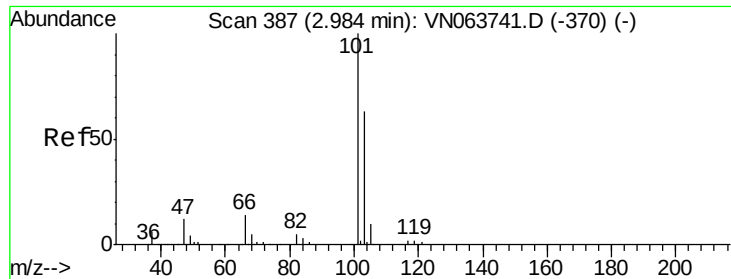
66 34.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

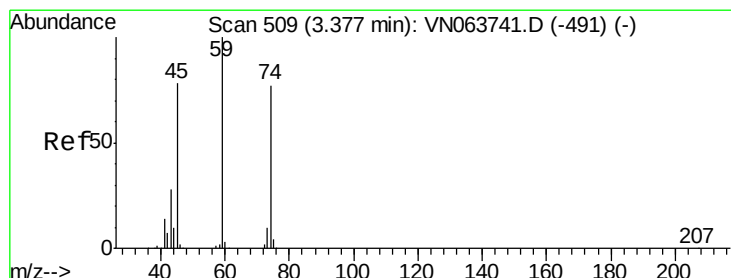
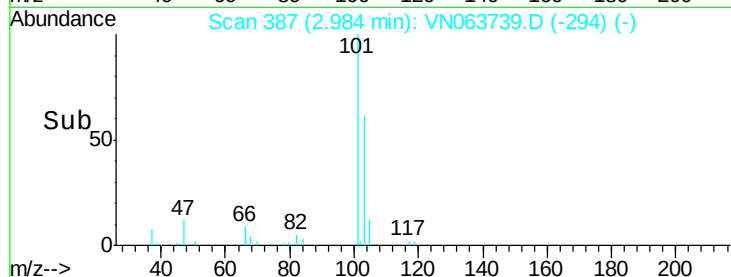
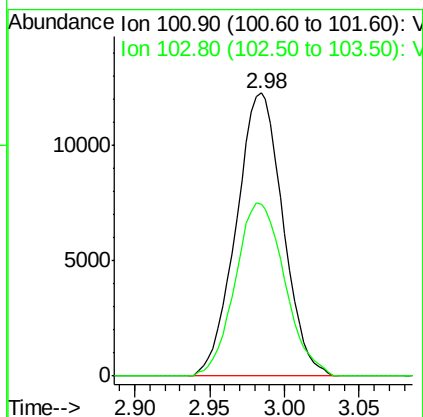
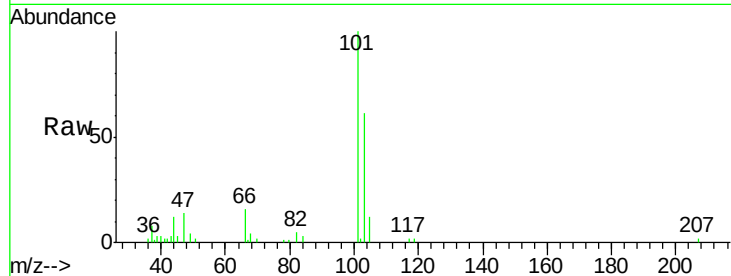
Trichlorofluoromethane
Concen: 5.022 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	50.7	76.1

Manual Integrations
APPROVED

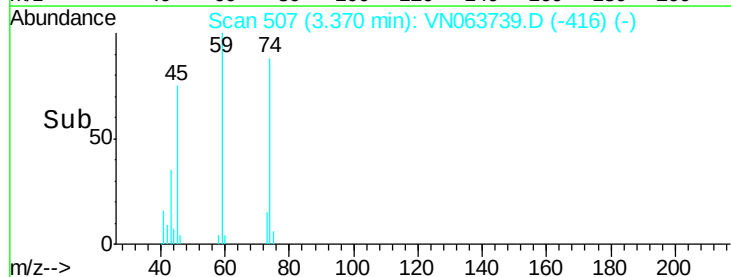
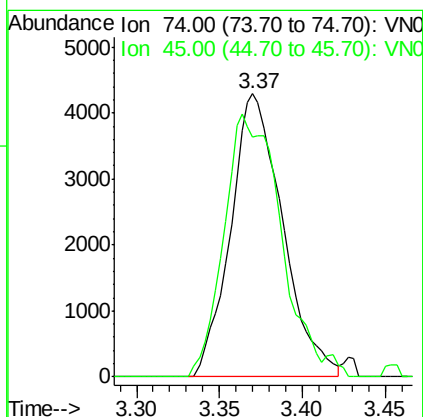
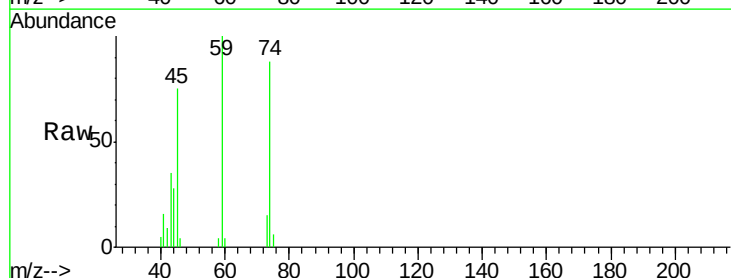
MMDadoda
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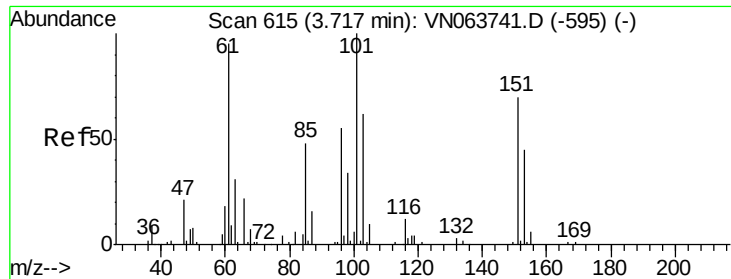


#8

Diethyl Ether
Concen: 4.623 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.01 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.943 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 14660

Ion Ratio Lower Upper

101 100

85 48.3 38.6 58.0

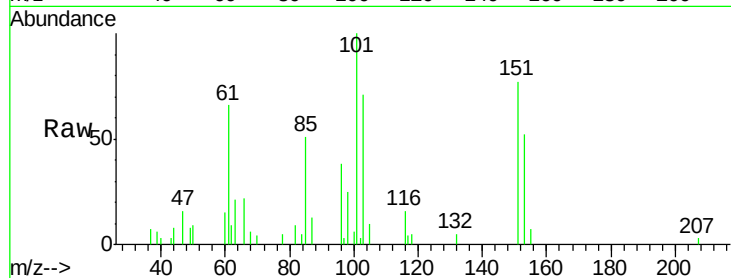
151 43.0 58.7 88.1#

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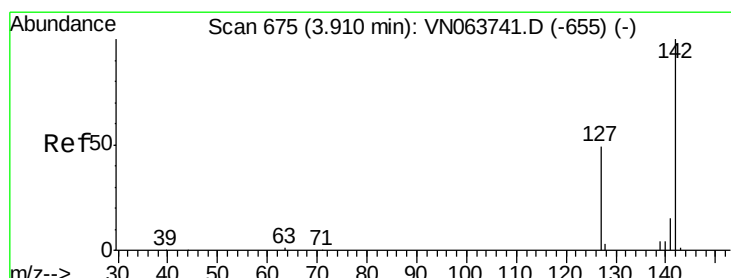
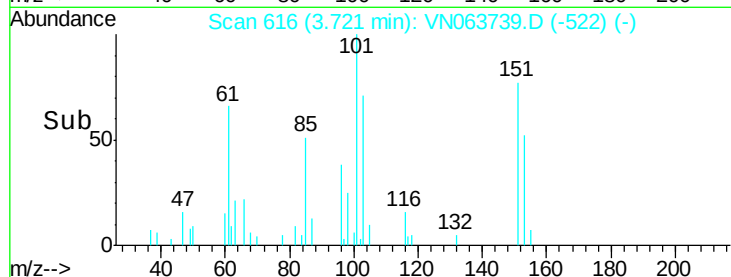
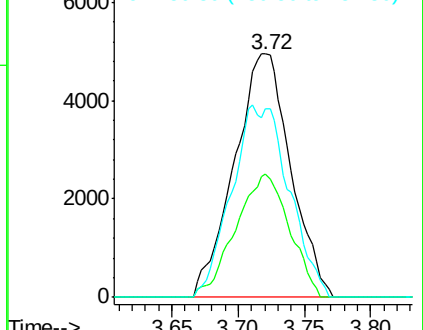
10/1/2020 2:39:50 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.649 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

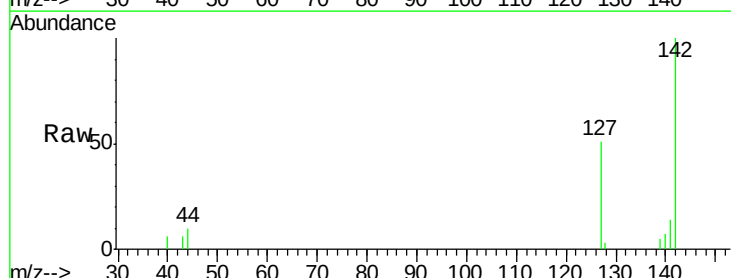
Tgt Ion:142 Resp: 13875

Ion Ratio Lower Upper

142 100

127 52.0 40.5 60.7

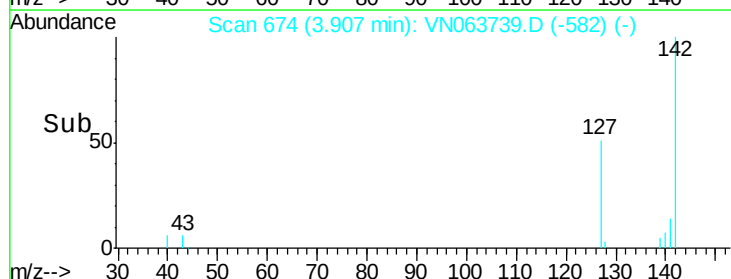
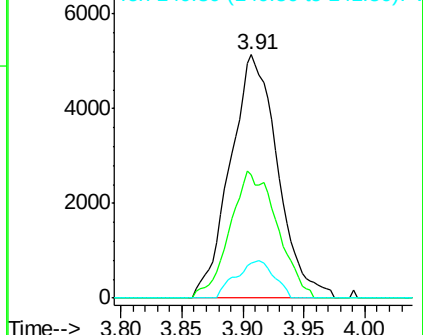
141 12.3 11.7 17.5

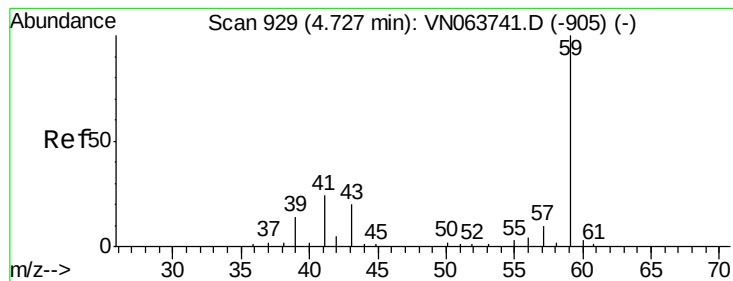


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 18.877 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 59 Resp: 11522

Ion Ratio Lower Upper

59 100

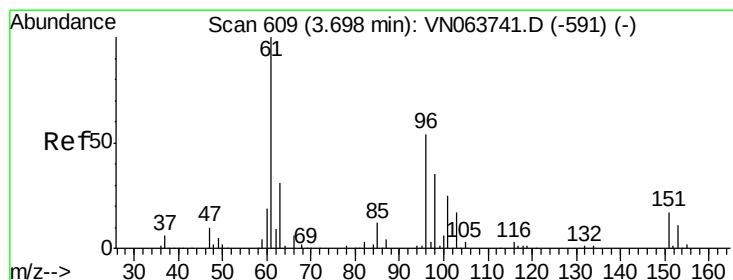
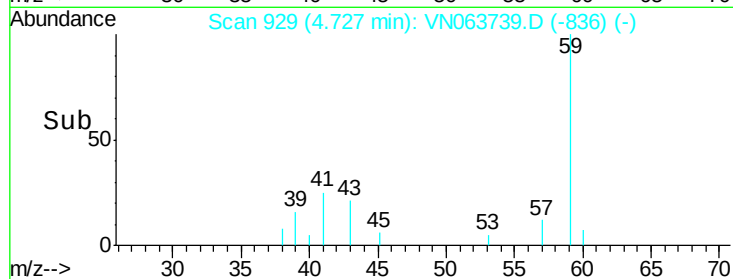
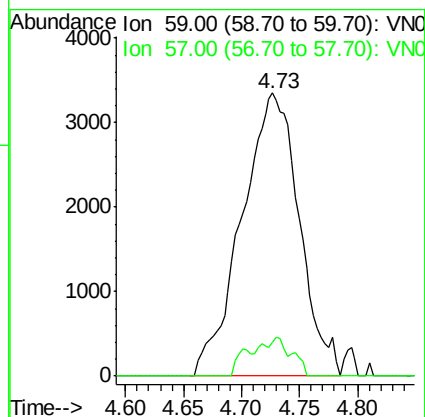
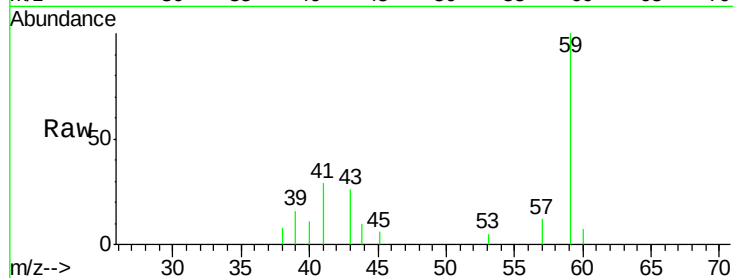
57 4.7 8.7 13.1#

Manual Integrations

APPROVED

MMDadoda

10/1/2020 2:39:50 PM



#12

1,1-Dichloroethene

Concen: 4.785 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

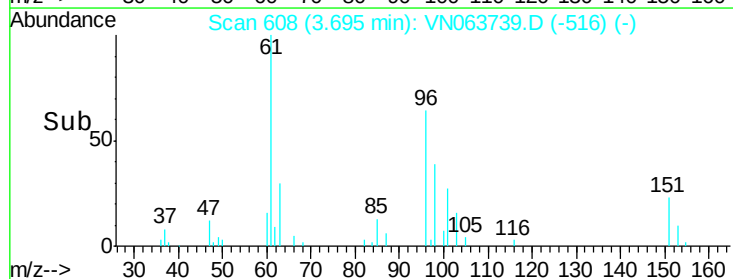
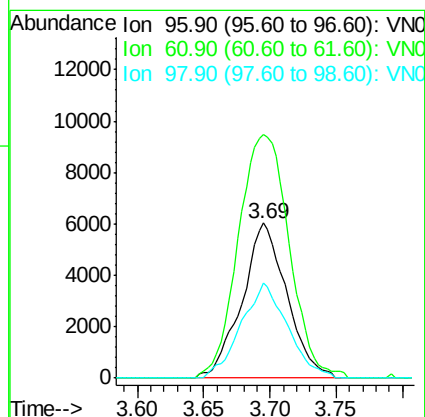
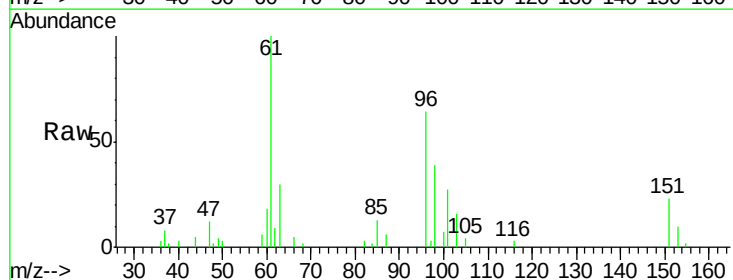
Tgt Ion: 96 Resp: 14222

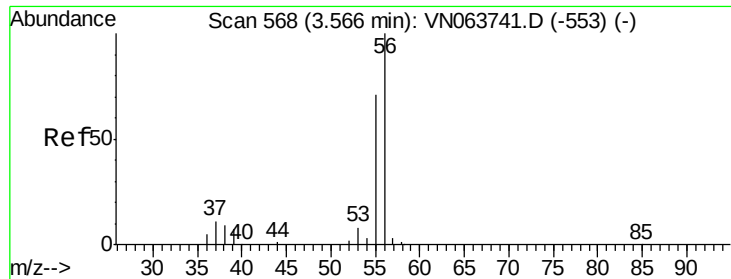
Ion Ratio Lower Upper

96 100

61 156.9 147.7 221.5

98 61.4 51.9 77.9





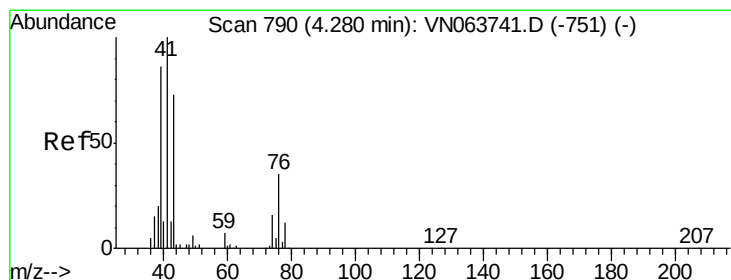
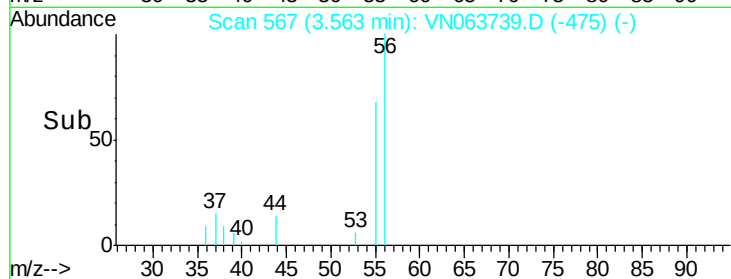
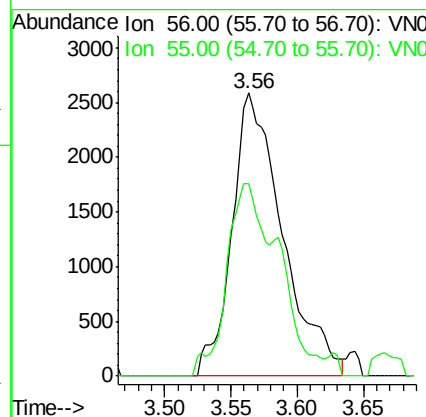
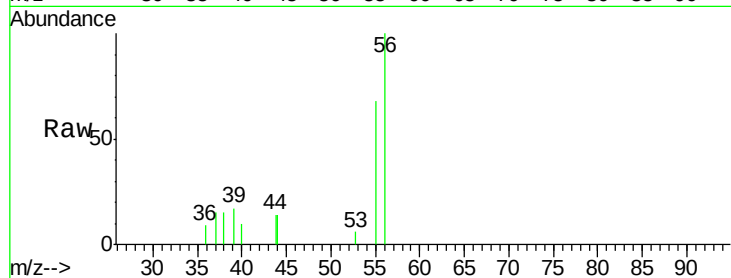
#13
Acrolein
Concen: 27.590 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	50.2	56.9	85.3#

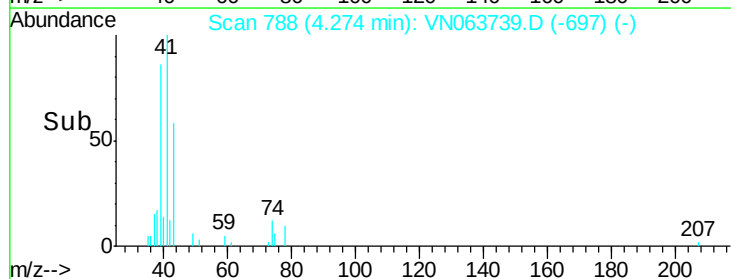
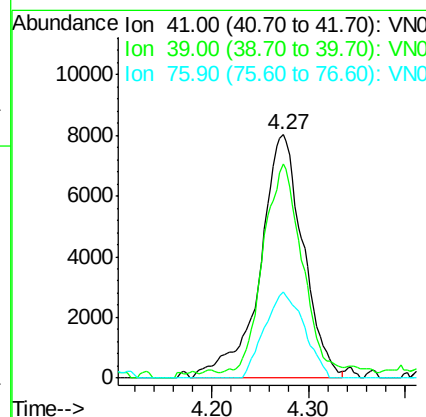
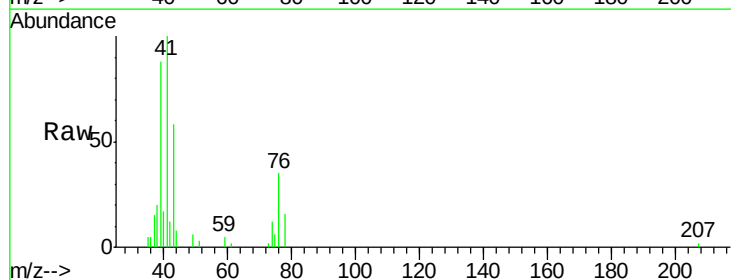
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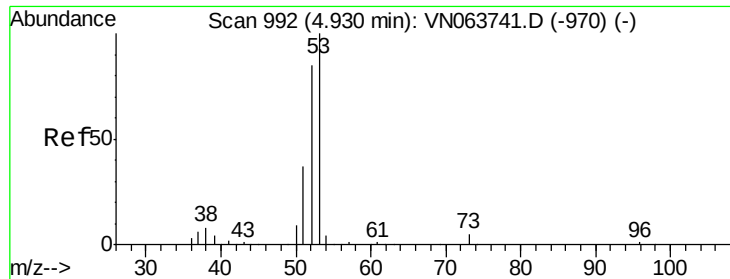
MMDadoda
10/1/2020 2:39:50 PM



#14
Allyl chloride
Concen: 4.269 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.9	64.5	96.7
76	32.5	25.9	38.9





#15

Acrylonitrile

Concen: 21.466 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

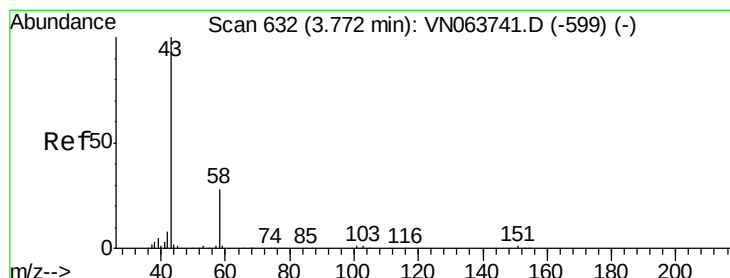
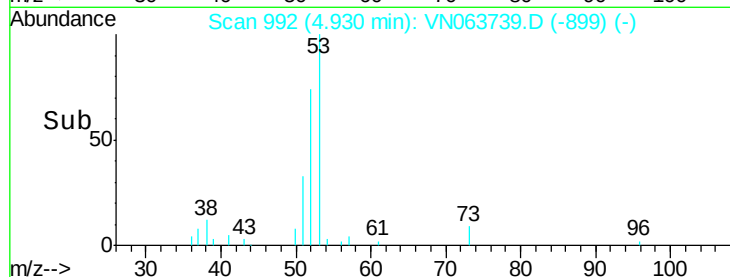
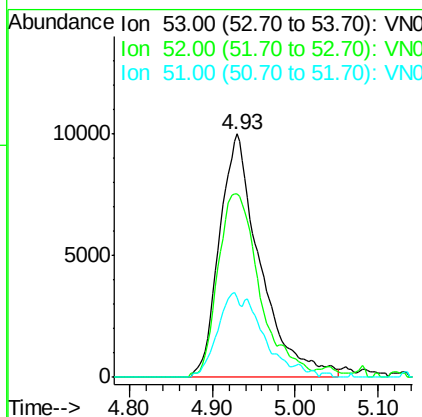
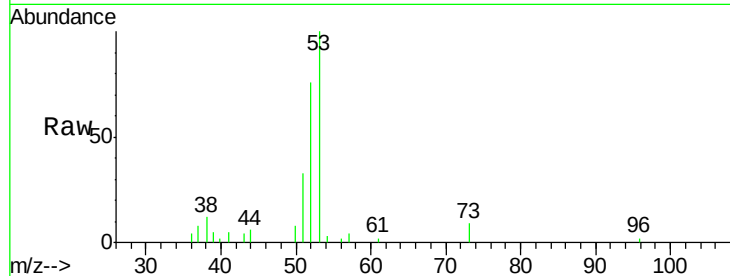
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	33993
Ion	Ratio	Lower	Upper
53	100		
52	77.5	66.5	99.7
51	20.2	29.9	44.9#

Manual Integrations
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10/1/2020 2:39:50 PM



#16

Acetone

Concen: 22.977 ug/l

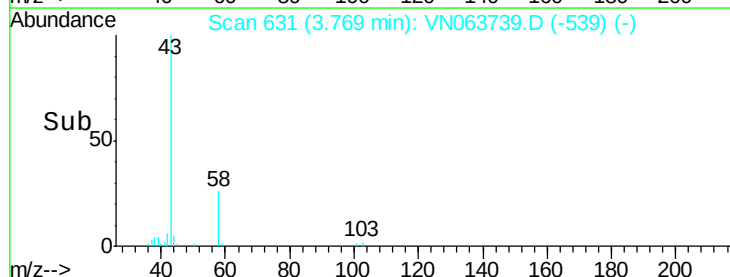
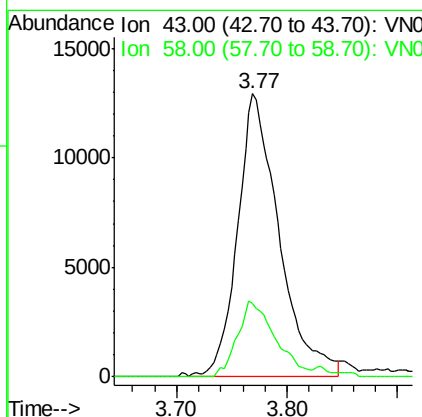
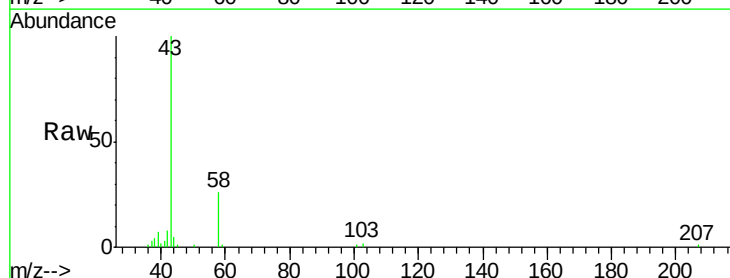
RT: 3.77 min Scan# 631

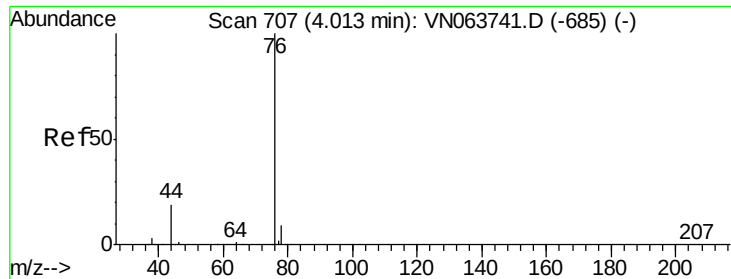
Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion:	43	Resp:	33693
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.3	33.5





#17

Carbon Disulfide

Concen: 4.617 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 39634

Ion Ratio Lower Upper

76 100

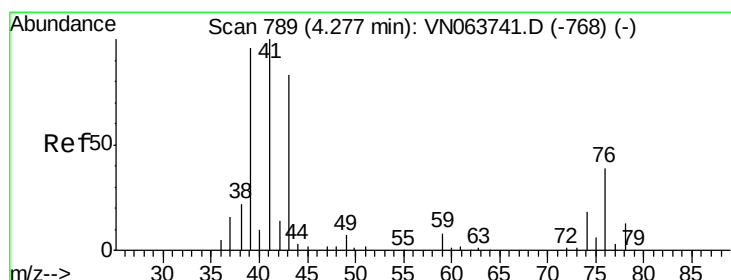
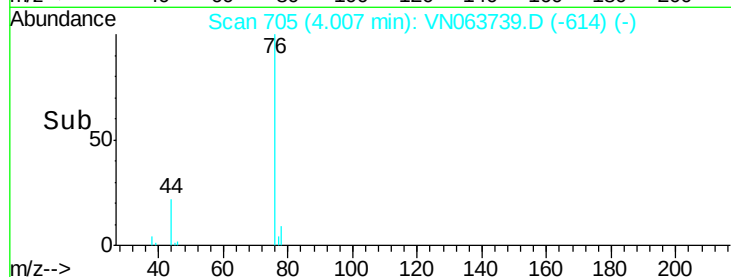
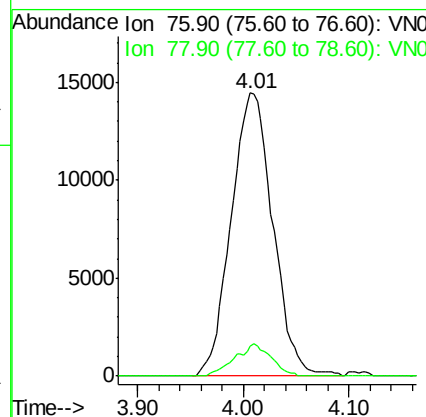
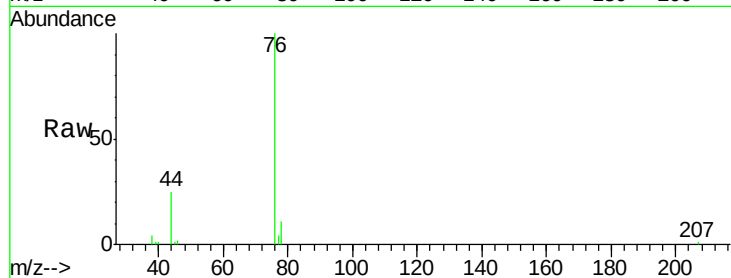
78 10.6 7.0 10.4#

Manual Integrations

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MMDadoda

10/1/2020 2:39:50 PM



#18

Methyl Acetate

Concen: 4.345 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063739.D

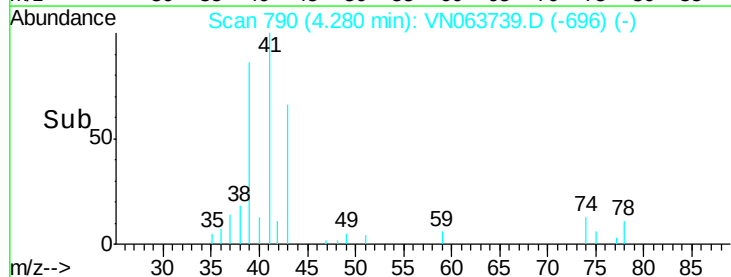
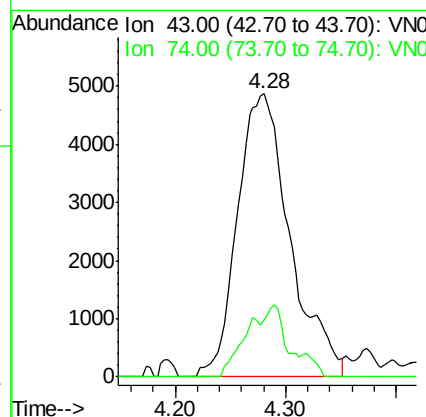
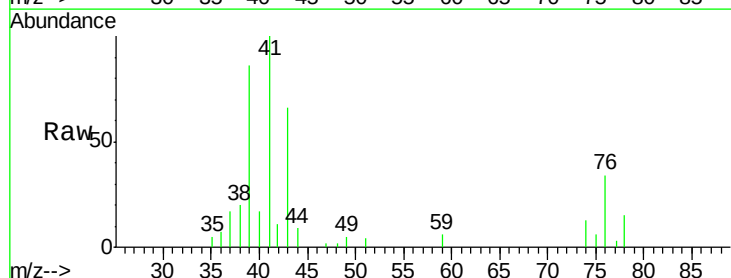
Acq: 30 Sep 2020 10:25

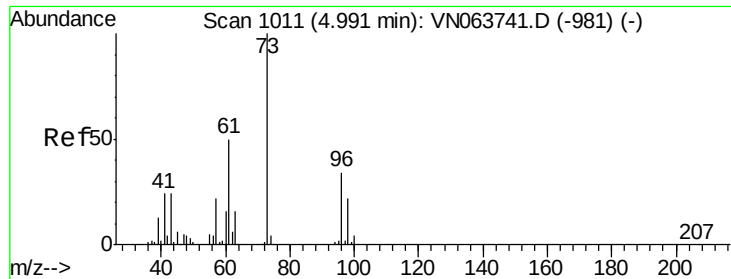
Tgt Ion: 43 Resp: 16081

Ion Ratio Lower Upper

43 100

74 5.9 17.4 26.2#





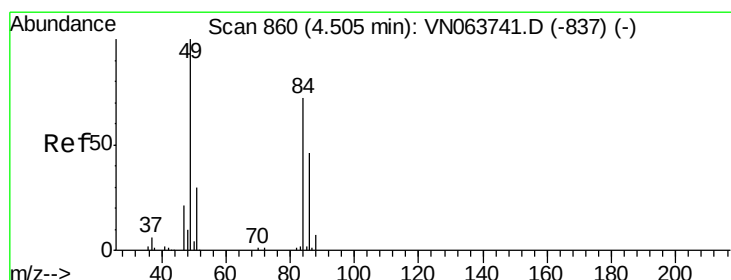
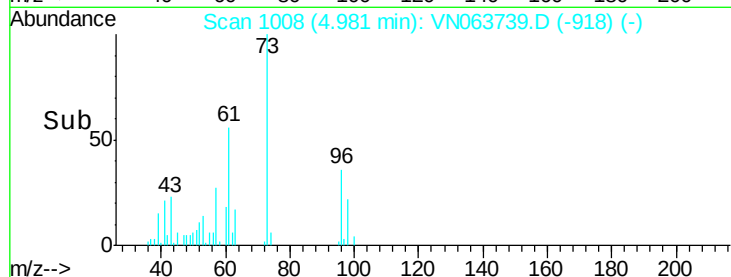
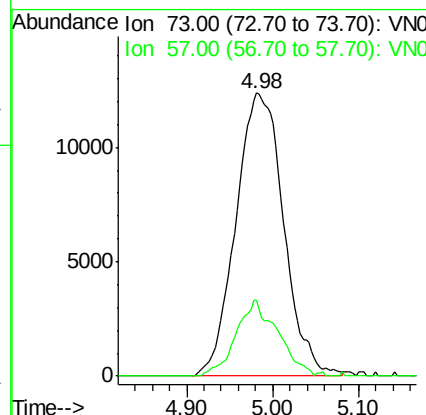
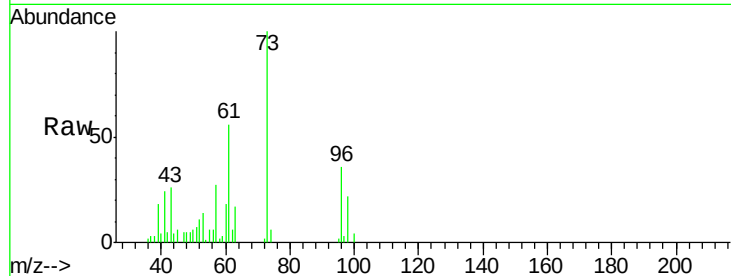
#19
Methvl tert-butvl Ether
Concen: 4.295 ug/l
RT: 4.98 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 47837
Ion Ratio Lower Upper
73 100
57 27.0 17.6 26.4#

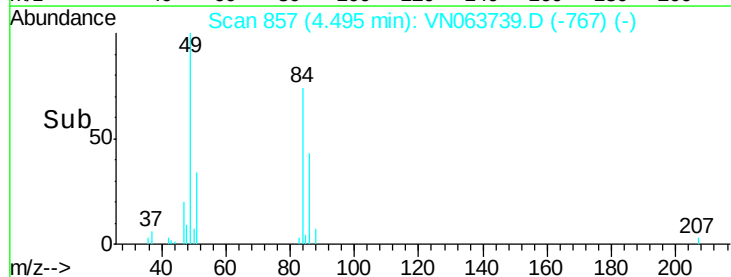
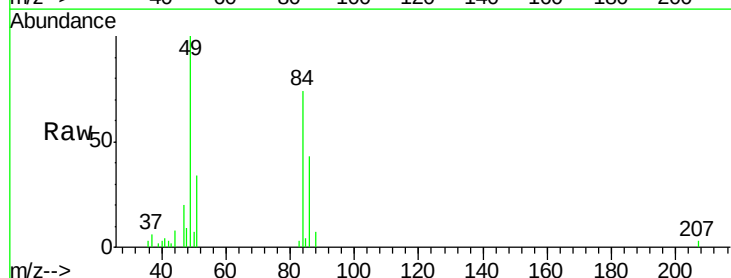
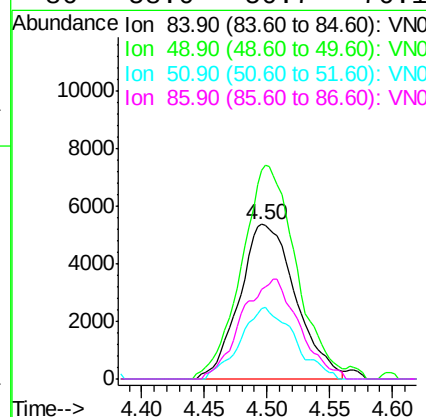
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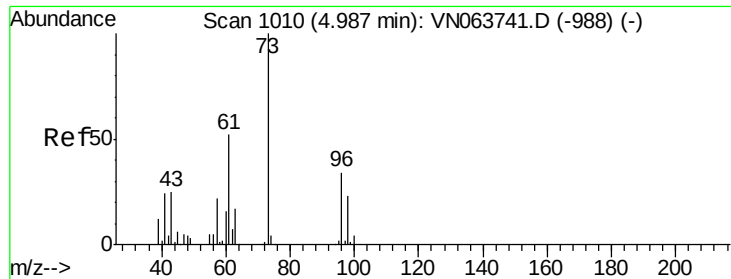
MMDadoda
10/1/2020 2:39:50 PM



#20
Methylene Chloride
Concen: 4.533 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 84 Resp: 16667
Ion Ratio Lower Upper
84 100
49 135.0 110.4 165.6
51 45.9 33.3 49.9
86 58.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 4.756 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

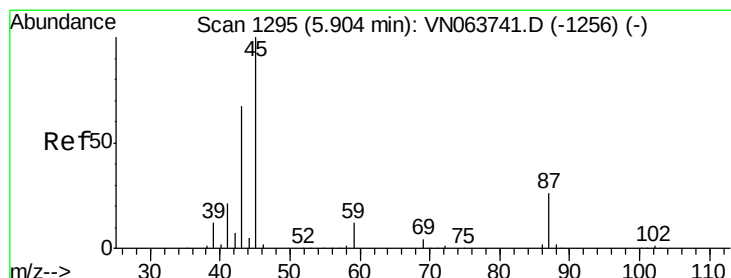
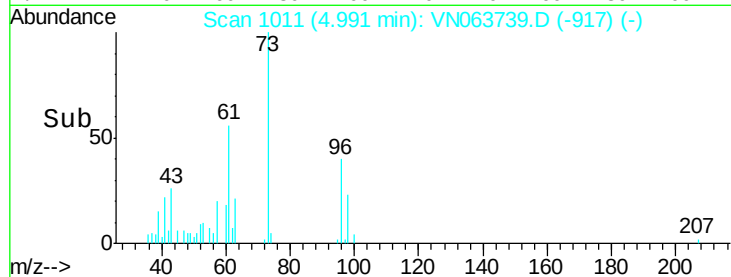
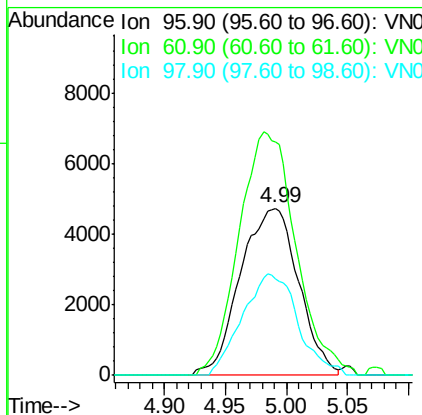
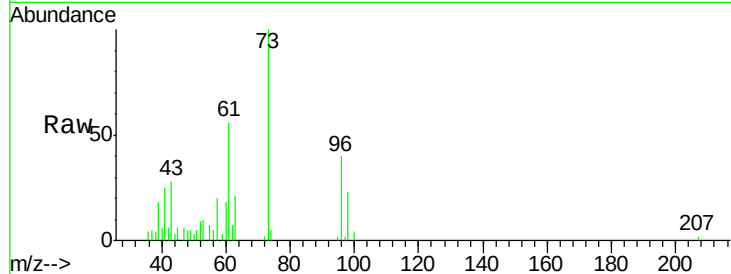
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	15706
Ion	Ratio	Lower	Upper
96	100		
61	139.9	120.2	180.2
98	57.7	52.6	79.0

Manual Integrations
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MMDadoda
10/1/2020 2:39:50 PM



#22

Diisopropyl ether

Concen: 4.160 ug/l

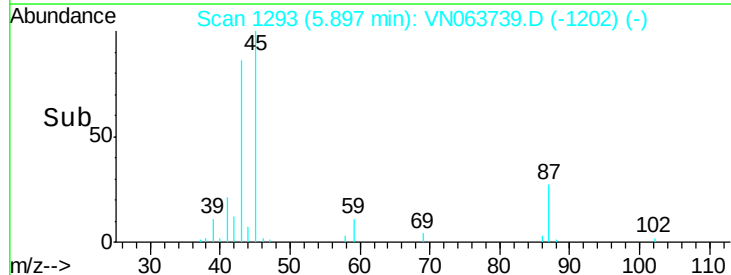
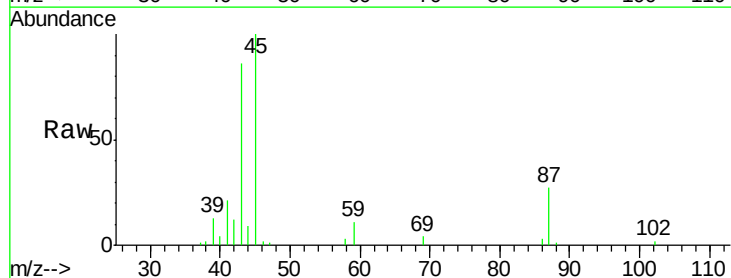
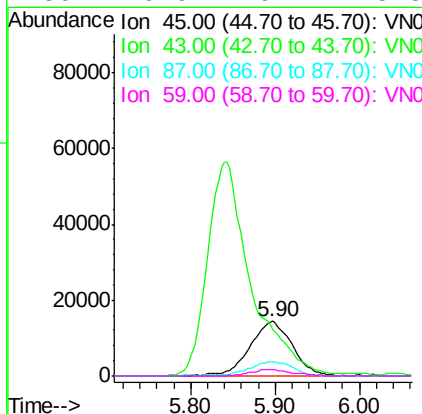
RT: 5.90 min Scan# 1293

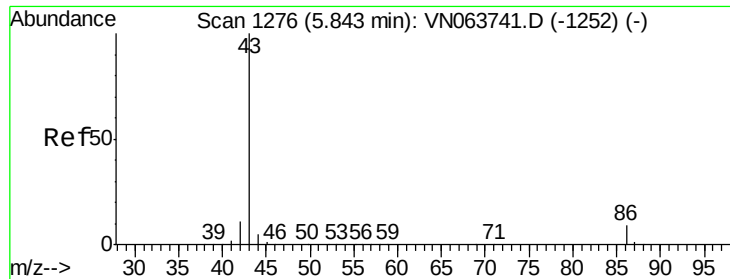
Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion:	45	Resp:	50031
Ion	Ratio	Lower	Upper
45	100		
43	79.9	53.7	80.5
87	27.0	21.1	31.7
59	10.9	9.2	13.8





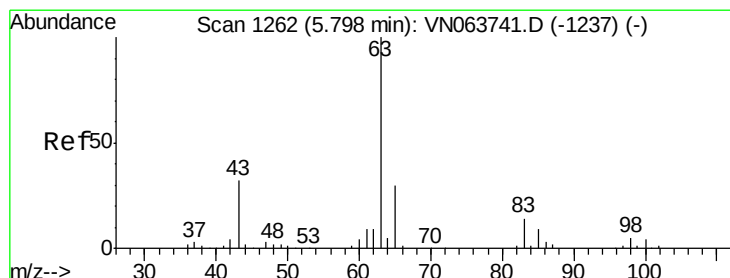
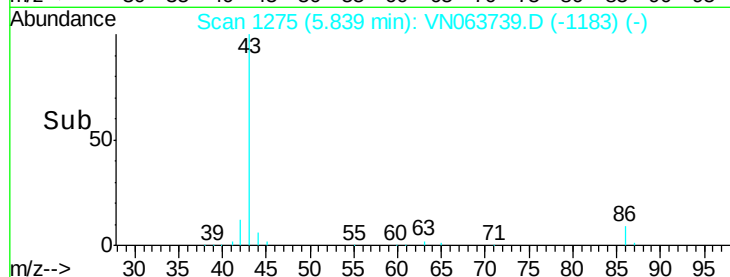
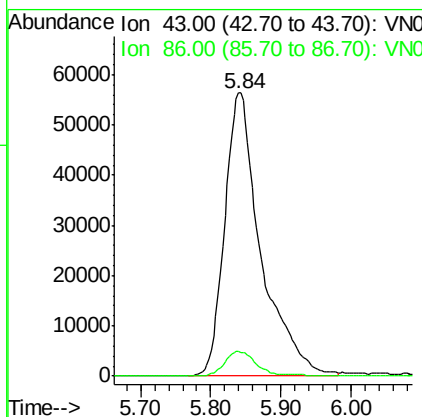
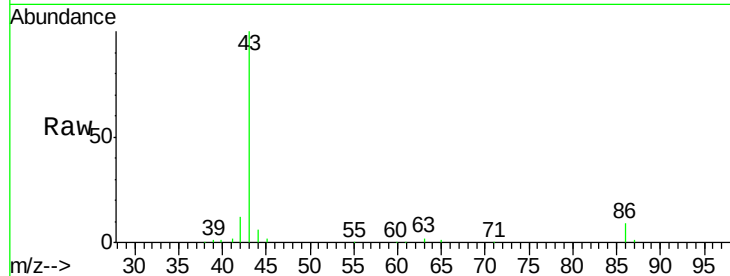
#23
 Vinyl Acetate
 Concen: 20.560 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	202529
Ion Ratio	100	Lower	Upper
43	100		
86	8.6	7.3	10.9

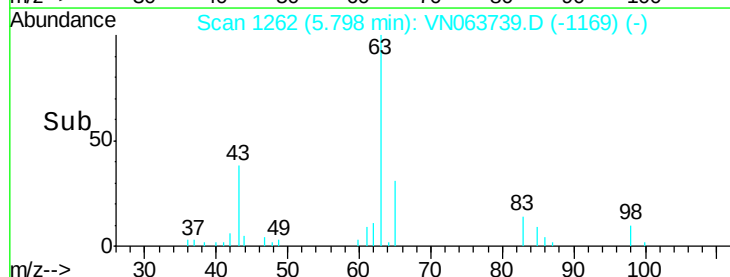
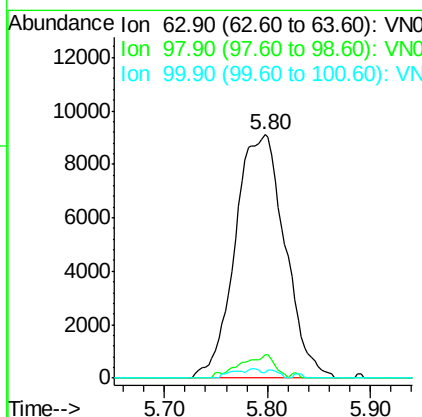
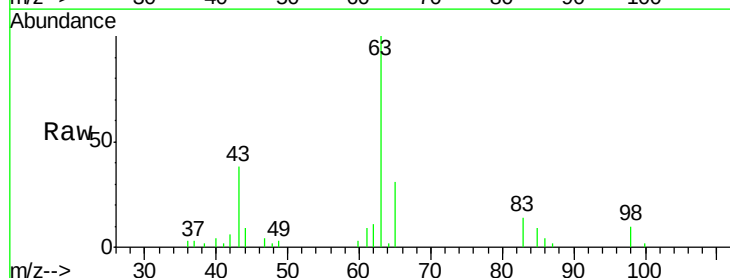
Manual Integrations
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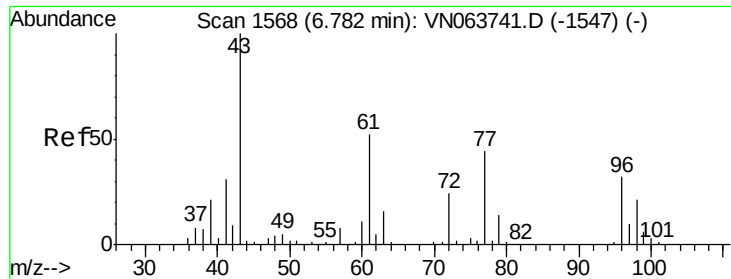
MMDadoda
 10/1/2020 2:39:50 PM



#24
 1,1-Dichloroethane
 Concen: 4.644 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion	63	Resp	30504
Ion Ratio	100	Lower	Upper
63	100		
98	9.6	2.7	8.1#
100	2.5	1.9	5.7





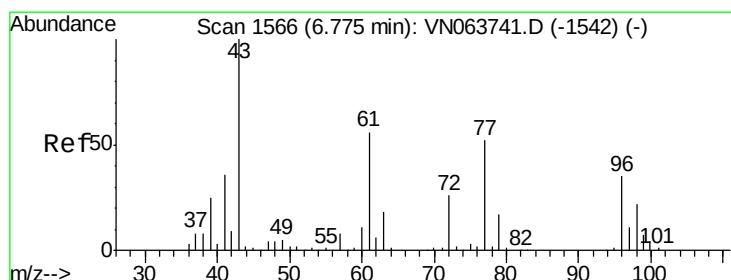
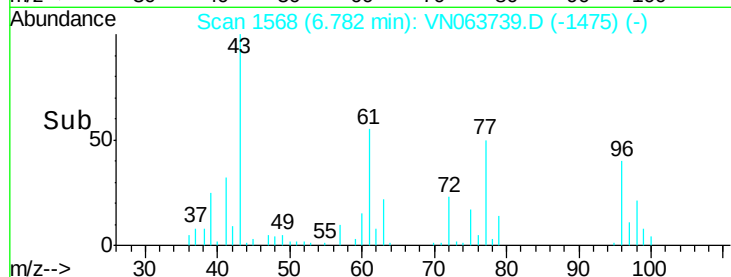
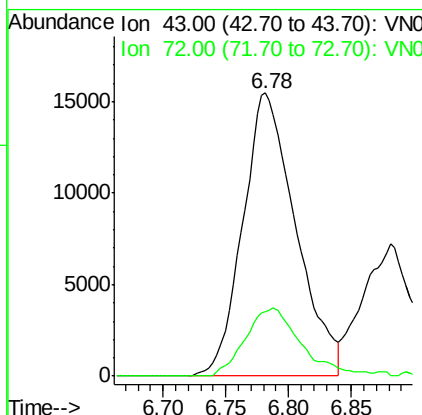
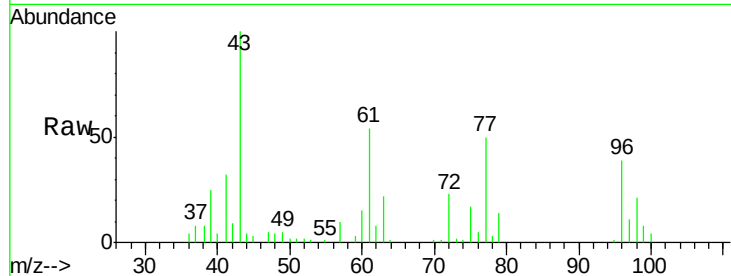
#25
2-Butanone
Concen: 20.474 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 45598
Ion Ratio Lower Upper
43 100
72 23.0 19.3 28.9

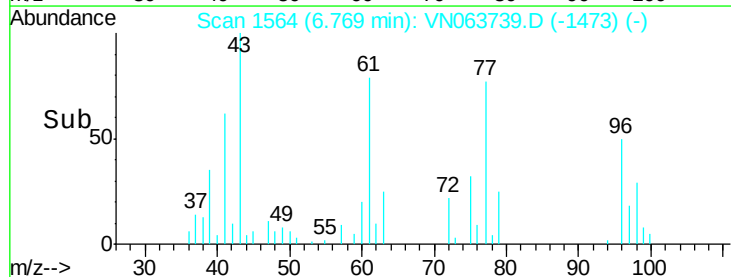
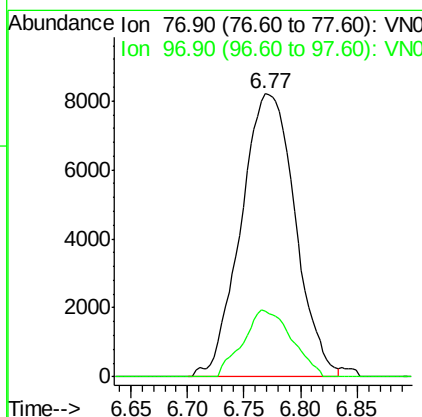
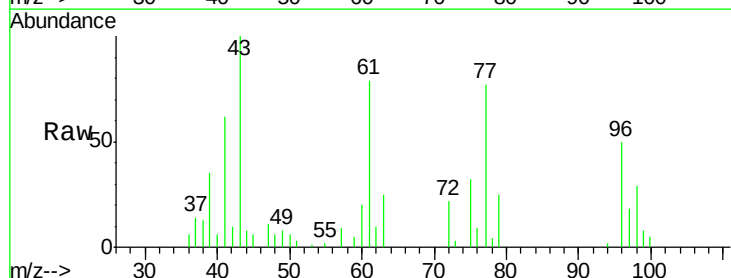
Manual Integrations
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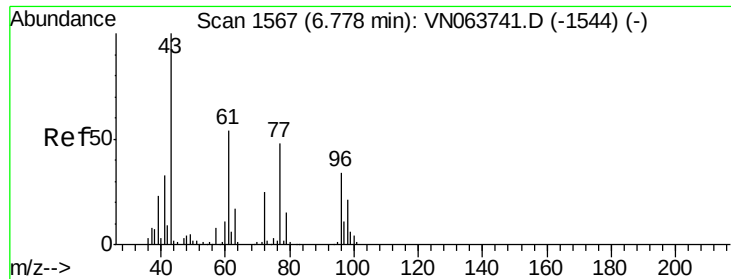
MMDadoda
10/1/2020 2:39:50 PM



#26
2,2-Dichloropropane
Concen: 4.693 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 77 Resp: 27370
Ion Ratio Lower Upper
77 100
97 21.2 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 4.753 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 17772

Ion Ratio Lower Upper

96 100

61 153.2 0.0 321.2

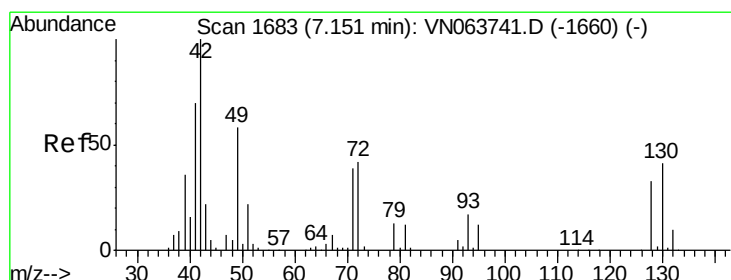
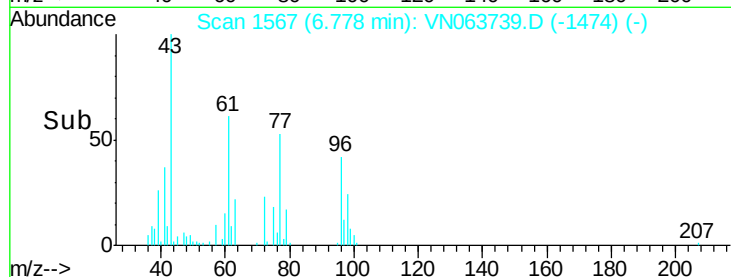
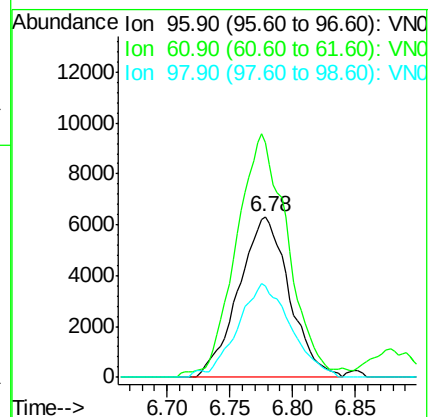
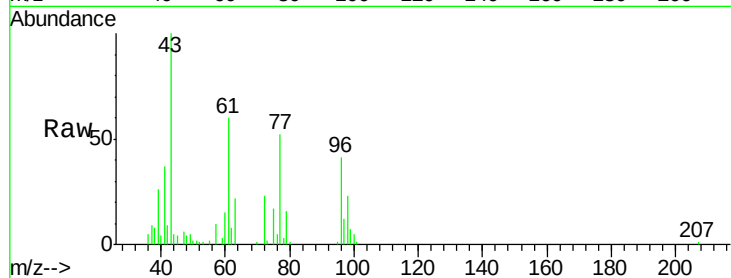
98 60.5 0.0 124.4

Manual Integrations

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#28

Bromochloromethane

Concen: 4.897 ug/l m

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

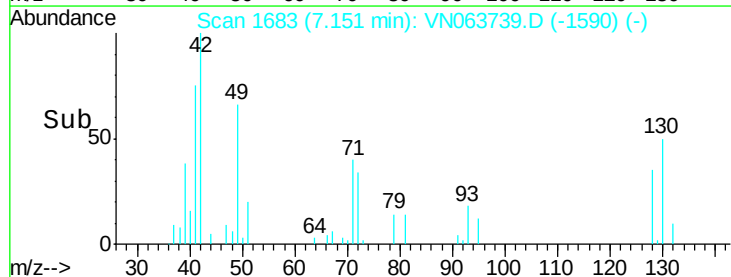
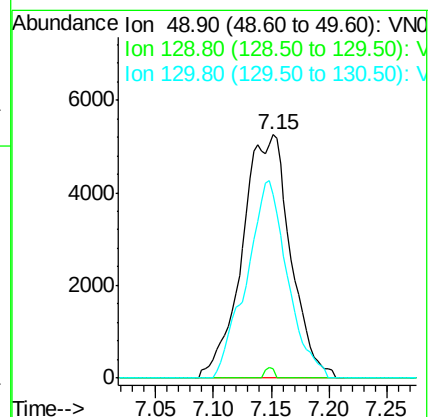
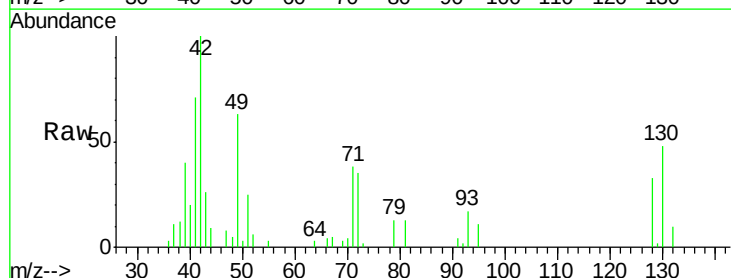
Tgt Ion: 49 Resp: 15170

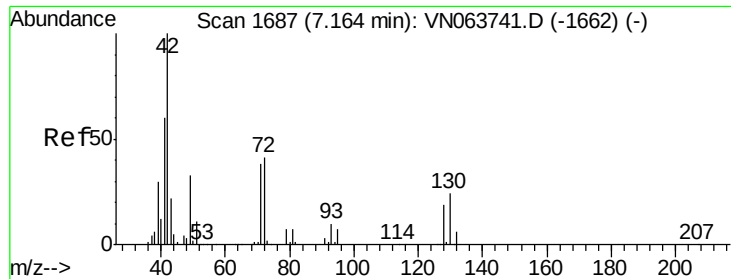
Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.8

130 68.8 55.6 83.4





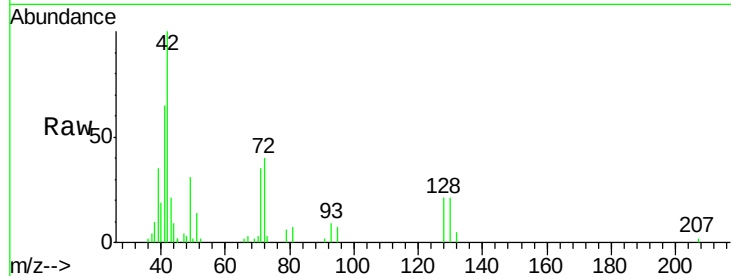
#29
Tetrahydrofuran
Concen: 19.684 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

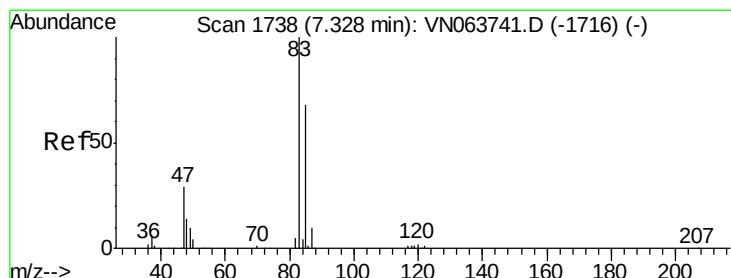
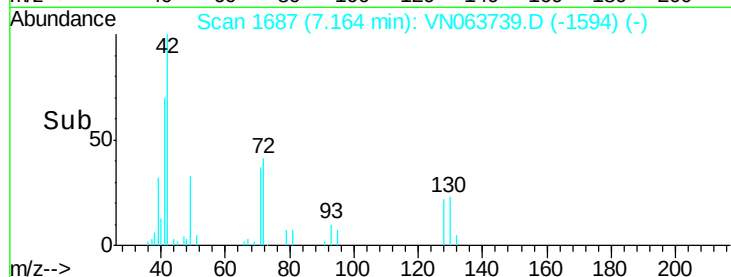
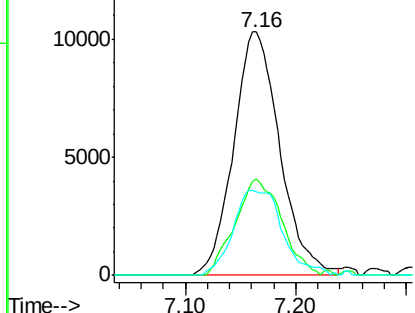
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.8	49.2
71	37.4	30.6	45.8

Manual Integrations
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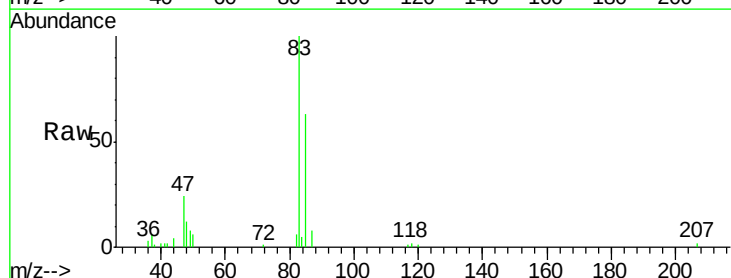


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

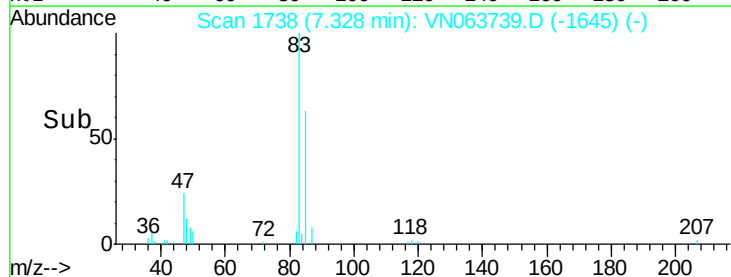
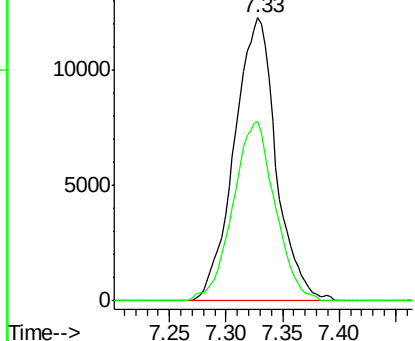


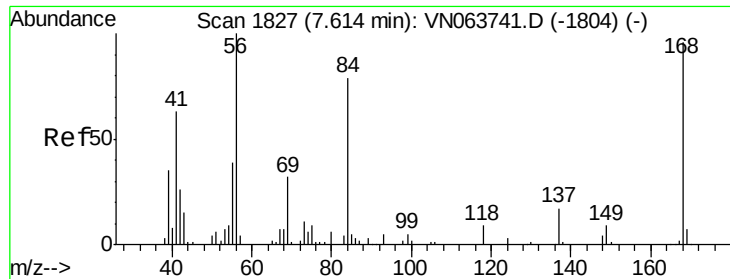
#30
Chloroform
Concen: 4.757 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	54.6	82.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





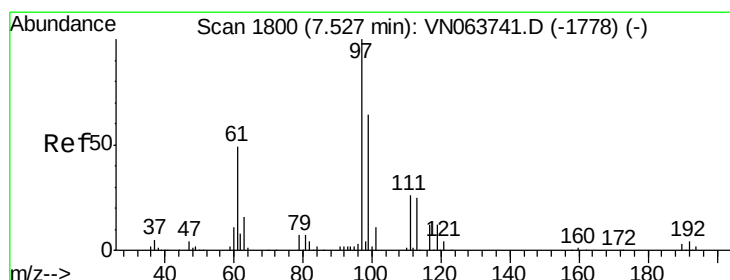
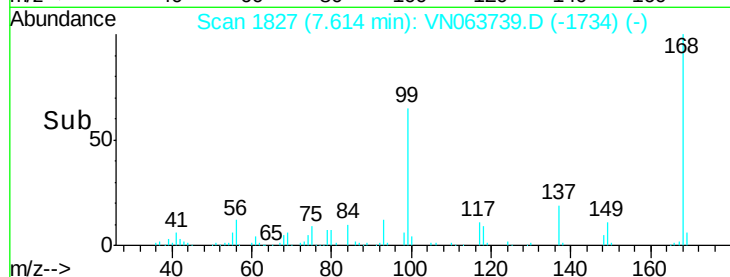
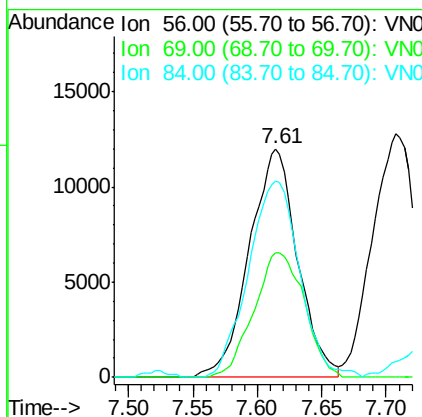
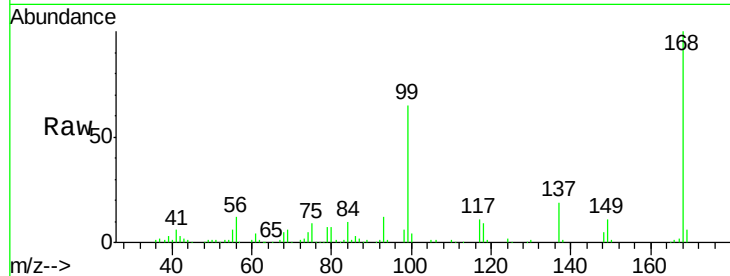
#31
Cyclohexane
Concen: 5.107 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	54.6	25.4	38.2#
84	85.6	63.3	94.9

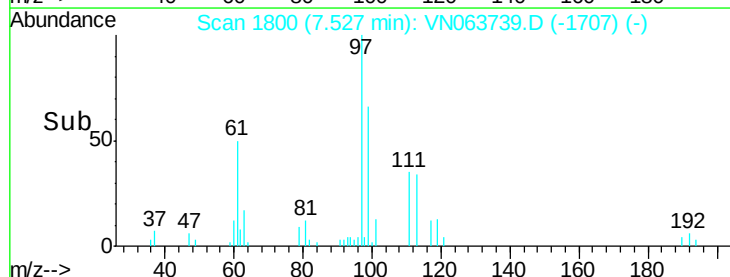
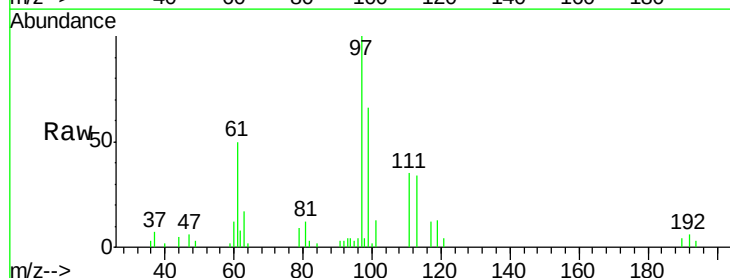
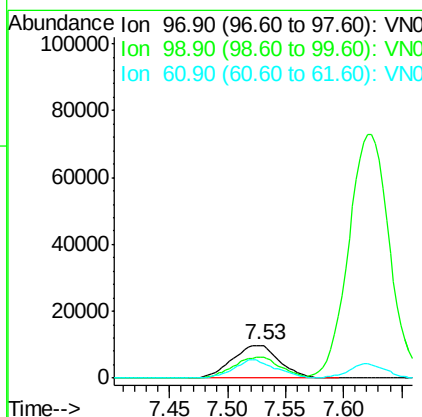
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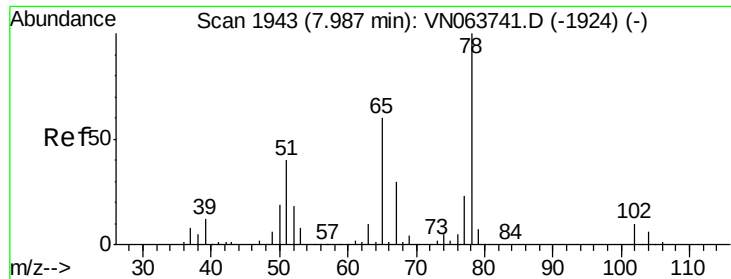
MMDadoda
10/1/2020 2:39:50 PM



#32
1,1,1-Trichloroethane
Concen: 4.659 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	50.1	38.7	58.1





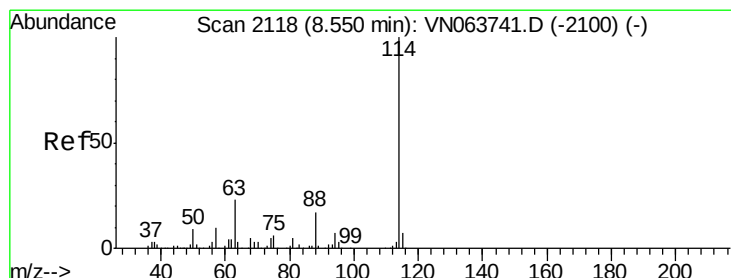
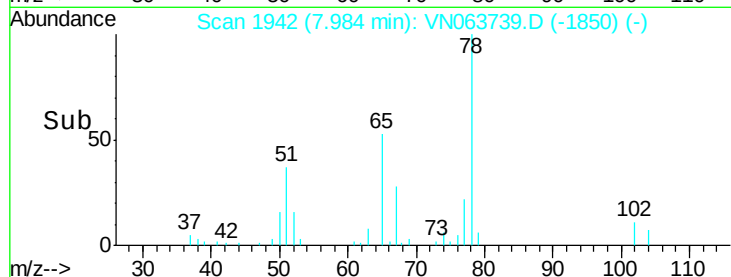
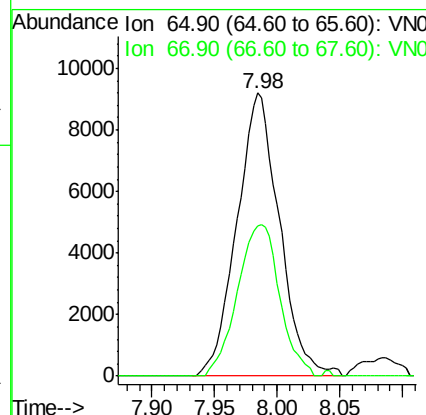
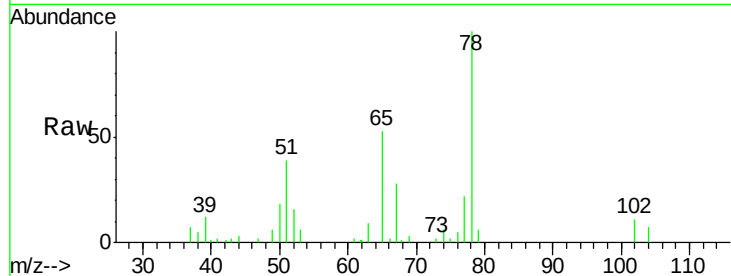
#33
 1,2-Dichloroethane-d4
 Concen: 4.712 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	99.6

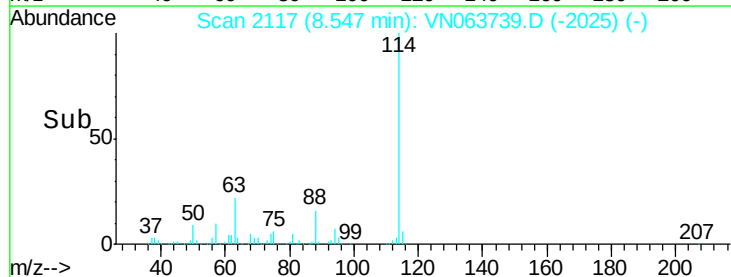
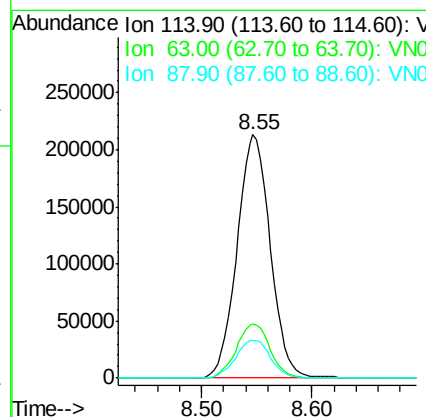
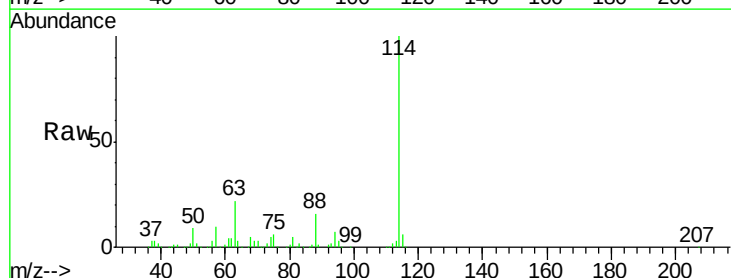
Manual Integrations
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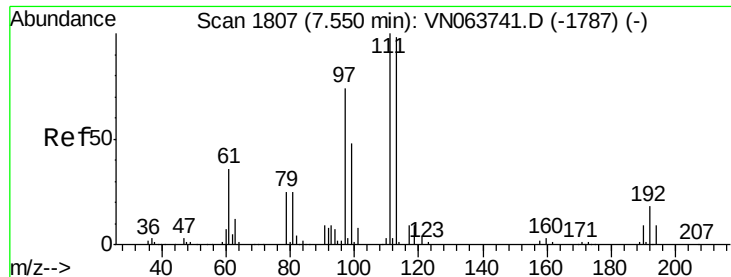
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	45.0
88	15.6	0.0	34.0





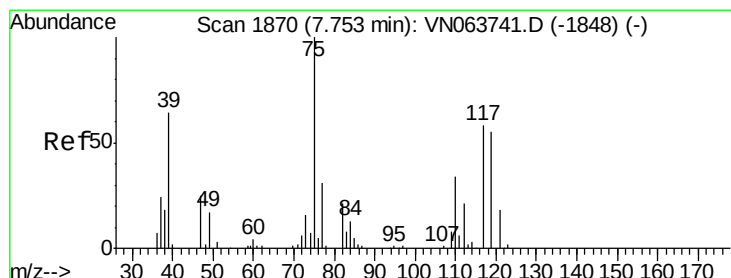
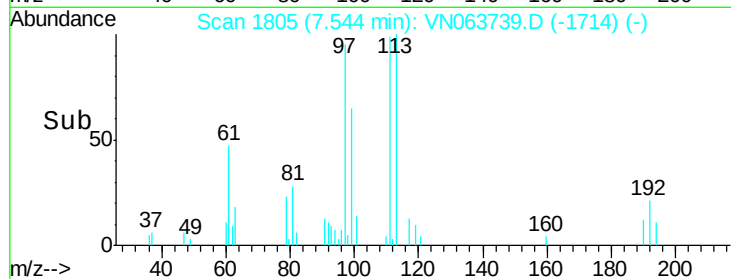
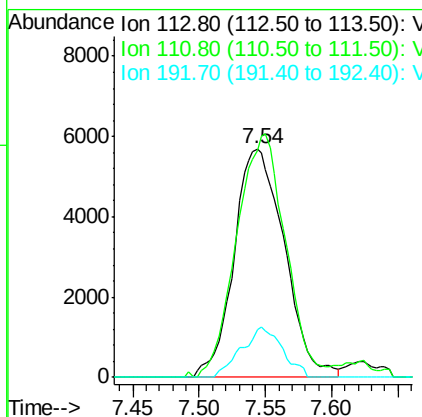
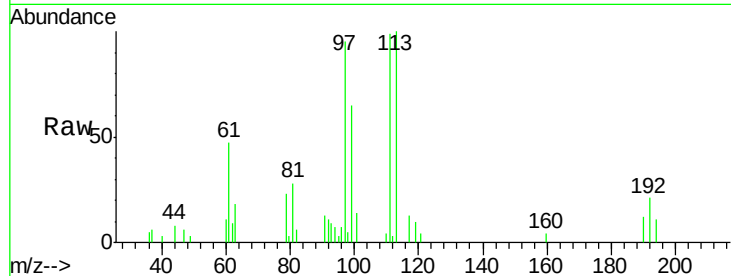
#35
 Dibromofluoromethane
 Concen: 4.881 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	15038		
111	103.6	81.8	122.8	
192	17.8	14.2	21.2	

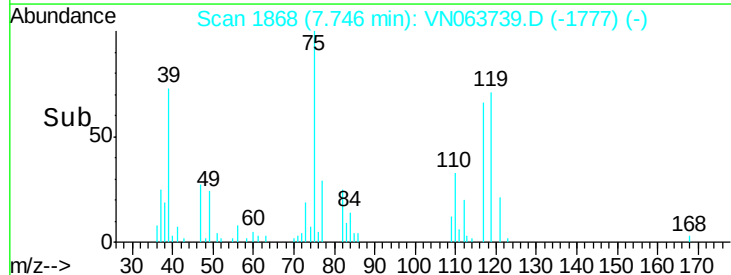
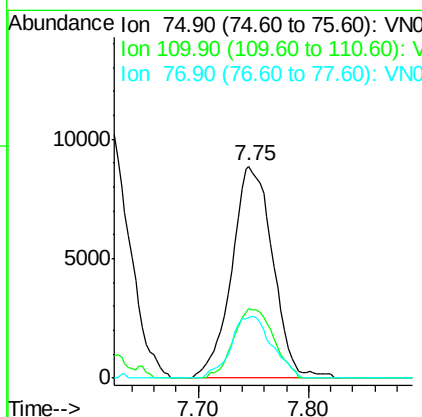
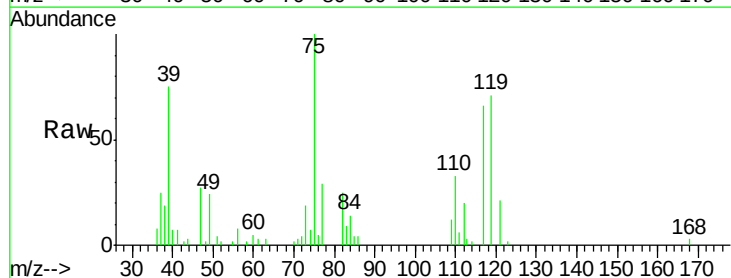
Manual Integrations
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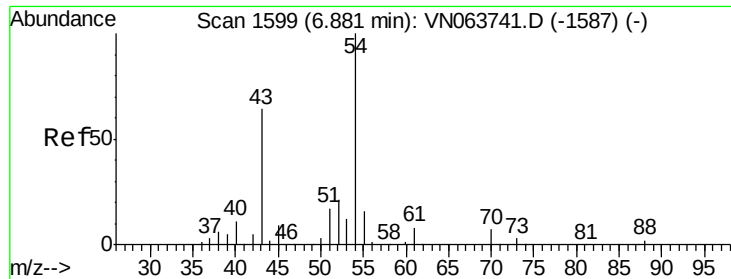
MMDadoda
 10/1/2020 2:39:50 PM



#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22879		
110	32.0	16.9	50.6	
77	29.2	24.5	36.7	





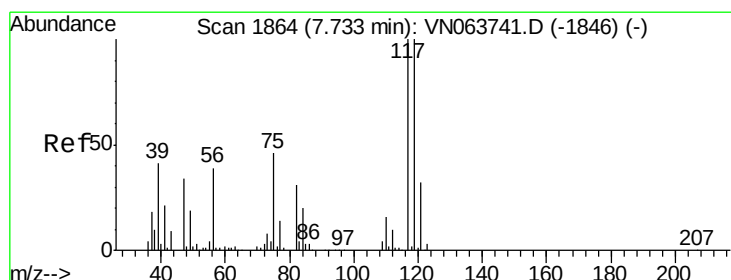
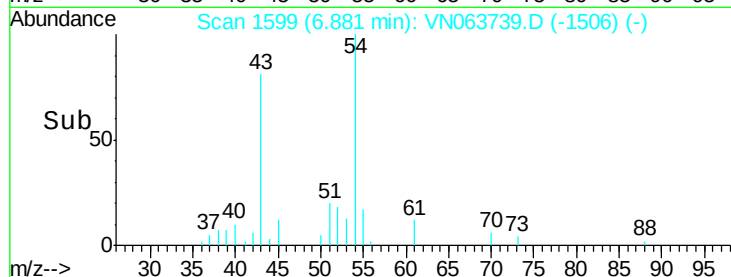
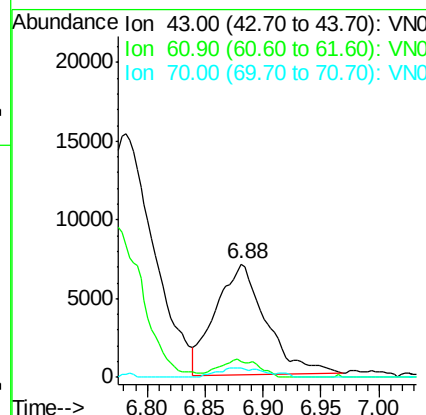
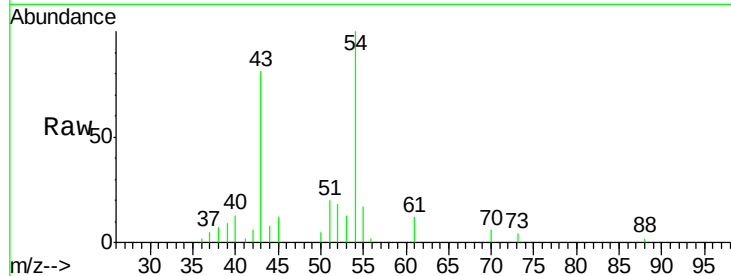
#37
Ethyl Acetate
Concen: 4.629 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.4	15.6
70	5.2	7.3	10.9

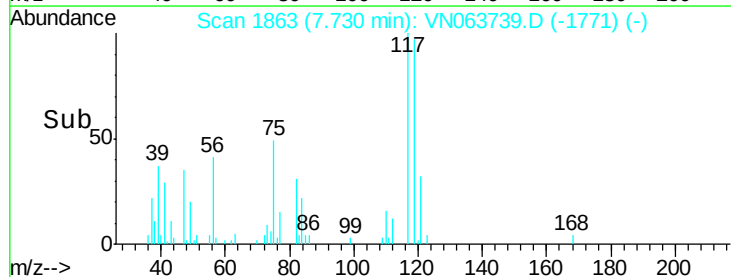
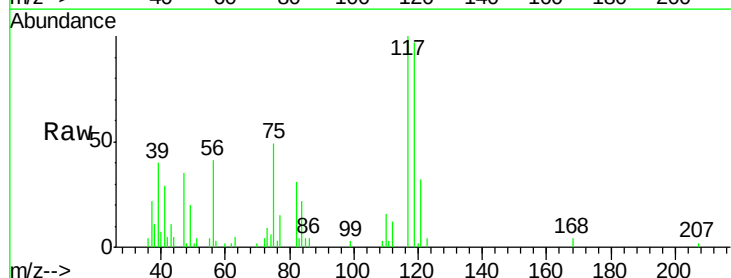
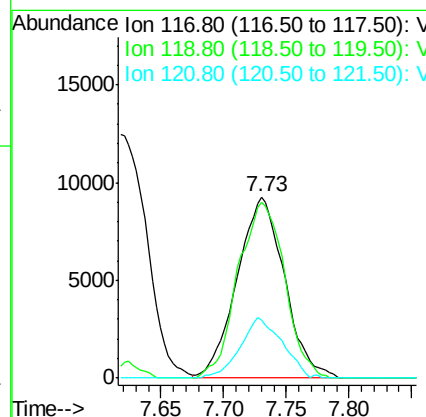
Manual Integrations
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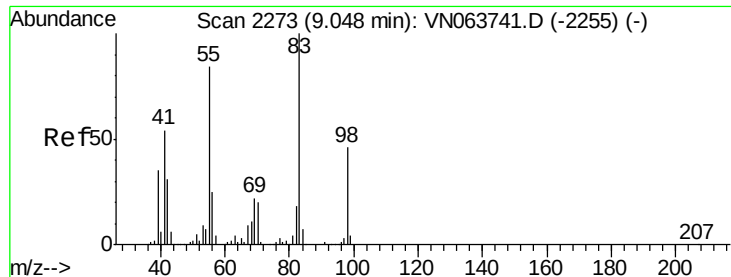
MMDadoda
10/1/2020 2:39:50 PM



#38
Carbon Tetrachloride
Concen: 5.072 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	80.1	120.1
121	31.7	25.7	38.5





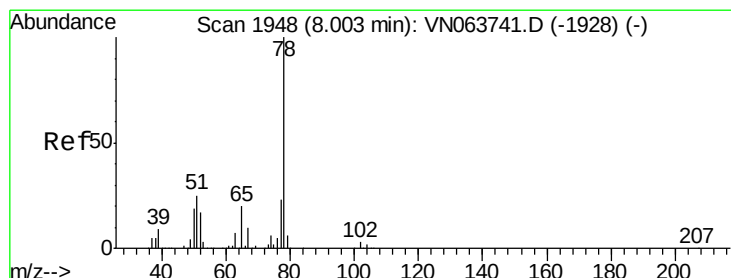
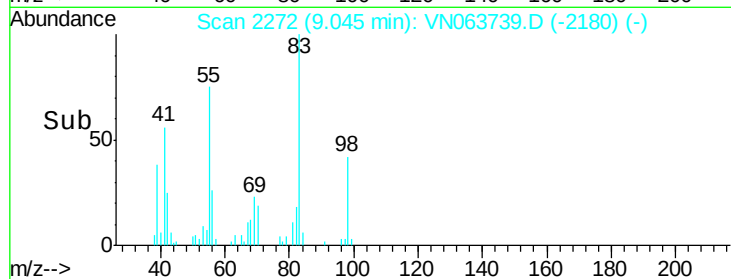
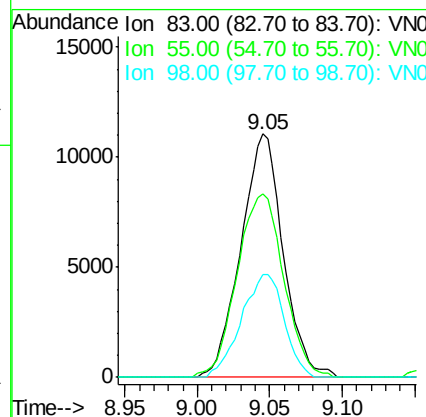
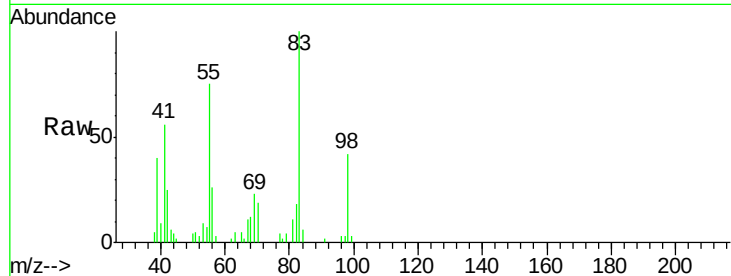
#39
Methylvlcyclohexane
Concen: 4.477 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	67.1	100.7
98	42.3	36.6	54.8

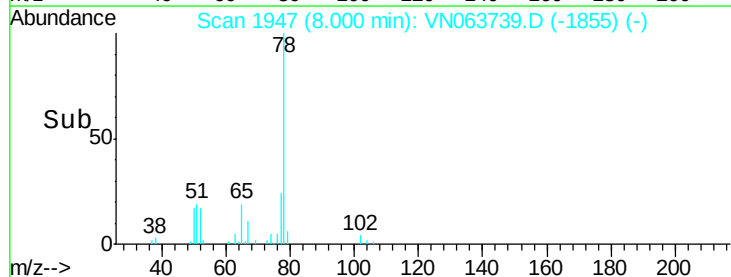
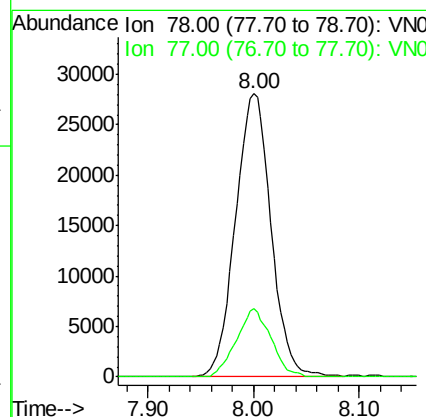
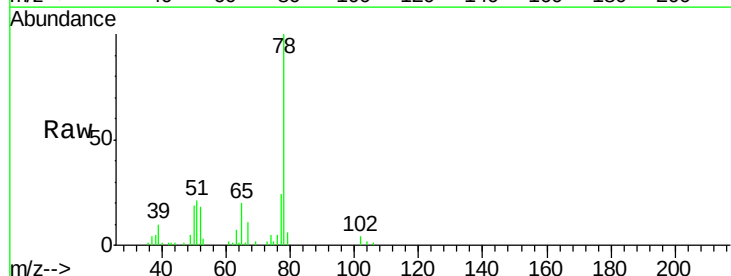
Manual Integrations
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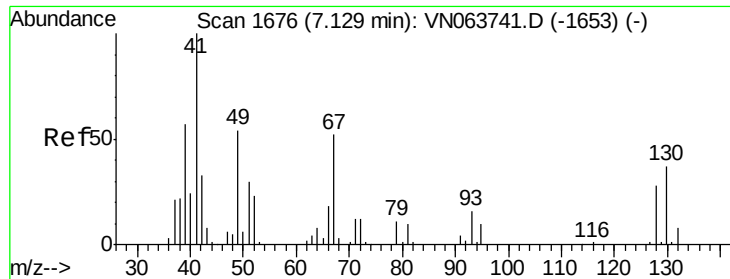
MMDadoda
10/1/2020 2:39:50 PM



#40
Benzene
Concen: 4.952 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





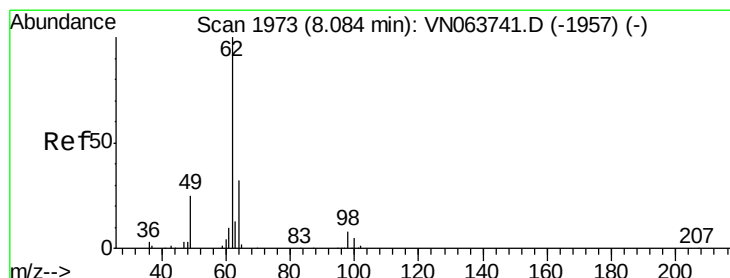
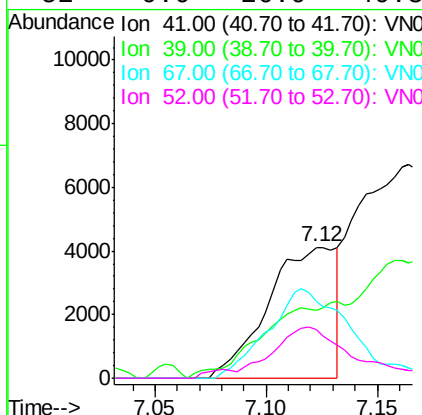
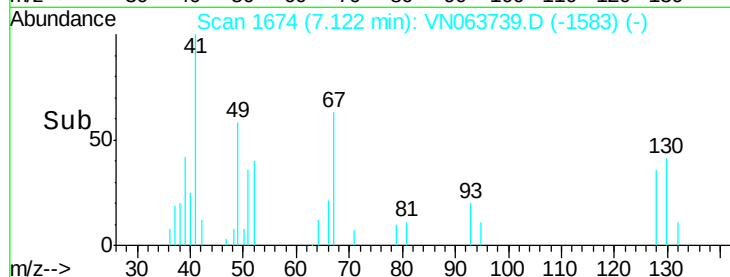
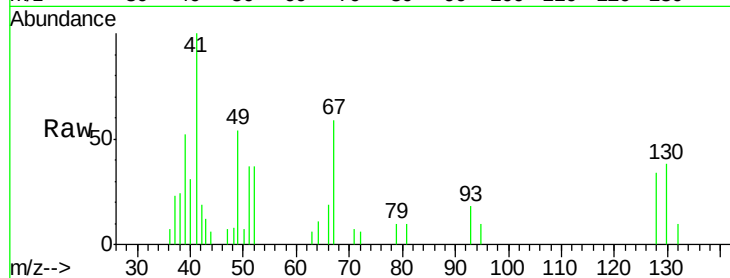
#41
Methacrylonitrile
Concen: 4.242 ug/l m
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	16.9	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

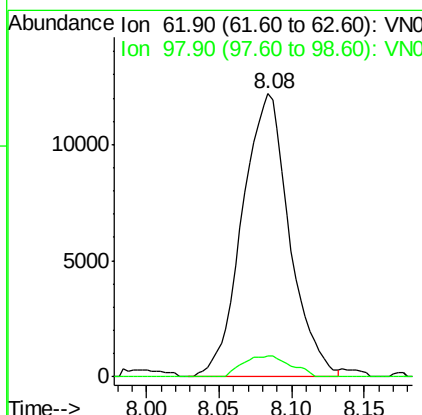
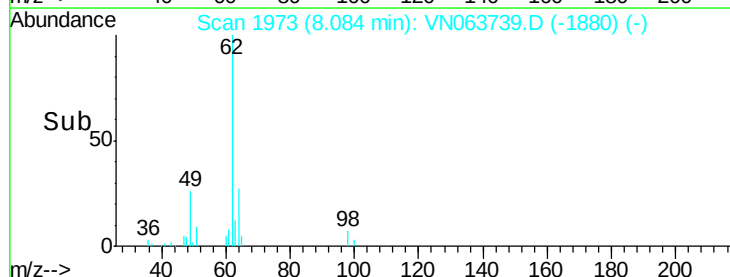
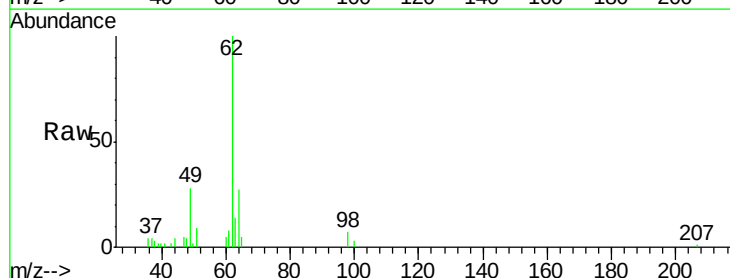
Manual Integrations
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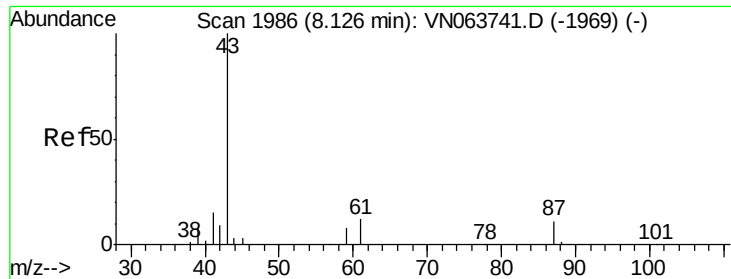
MMDadoda
10/1/2020 2:39:50 PM



#42
1,2-Dichloroethane
Concen: 5.112 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.0





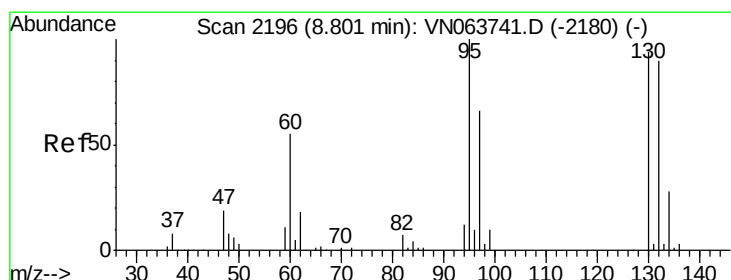
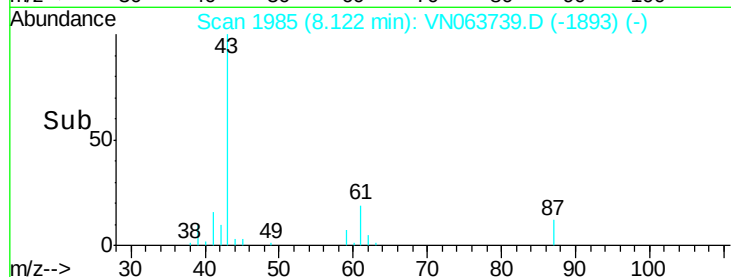
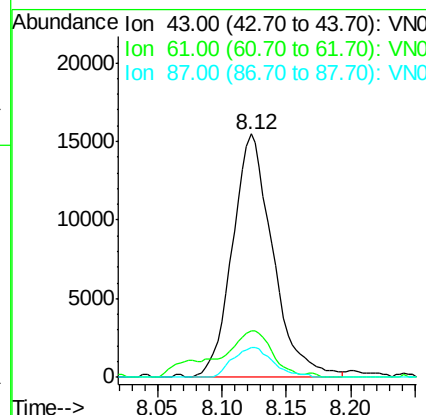
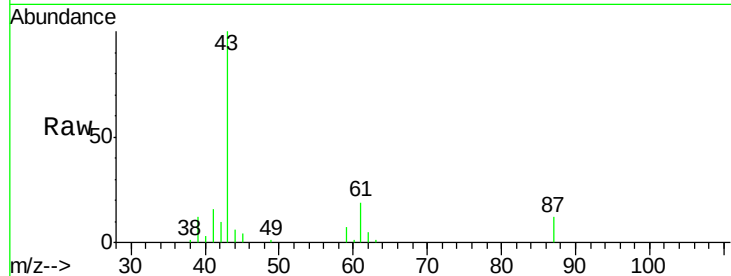
#43
Isopropyl Acetate
Concen: 4.132 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.2	21.4
87	12.4	9.0	13.6

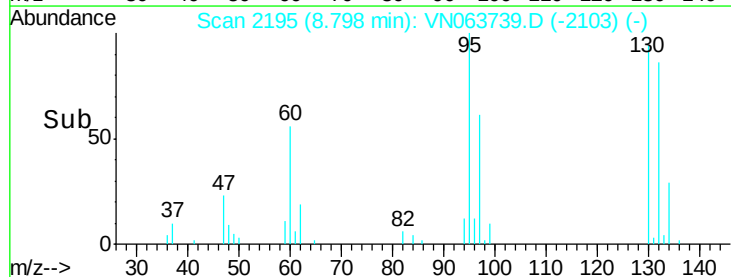
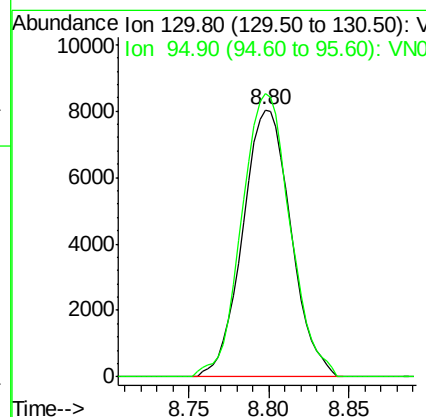
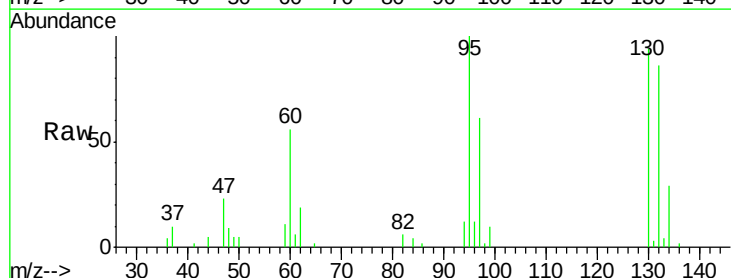
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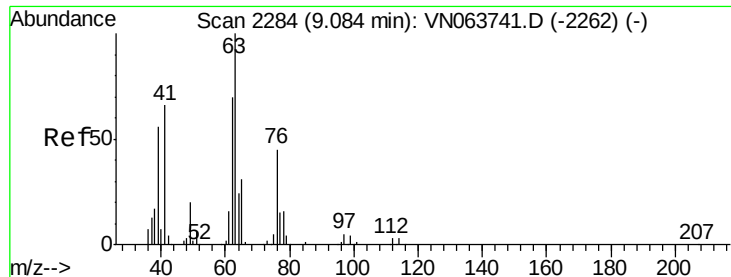
MMDadoda
10/1/2020 2:39:50 PM



#44
Trichloroethene
Concen: 5.075 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	213.6





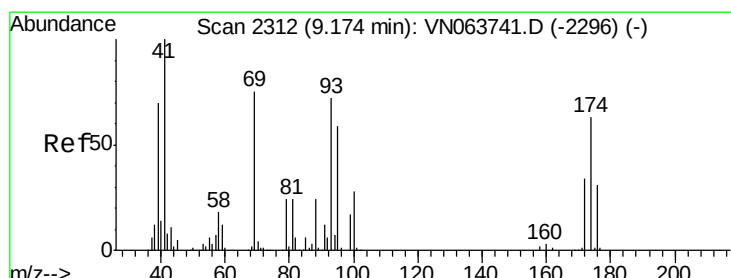
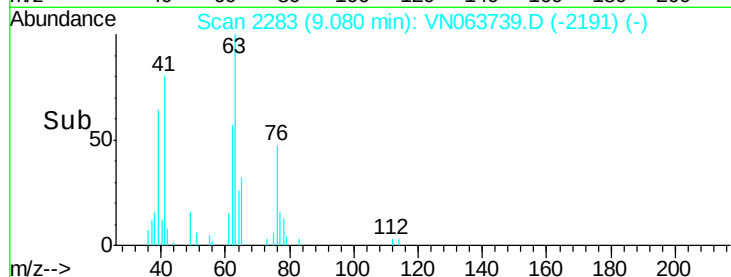
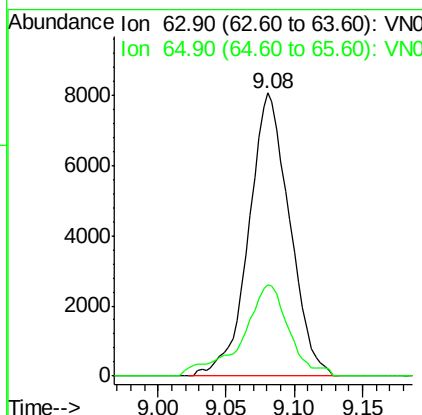
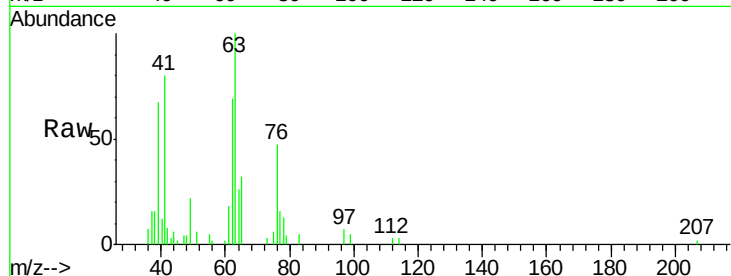
#45
 1,2-Dichloropropane
 Concen: 4.629 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 16730
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.7 37.1

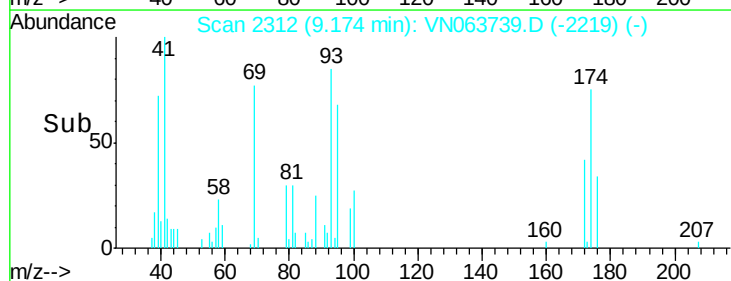
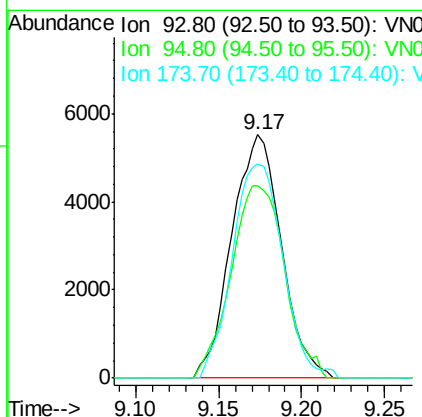
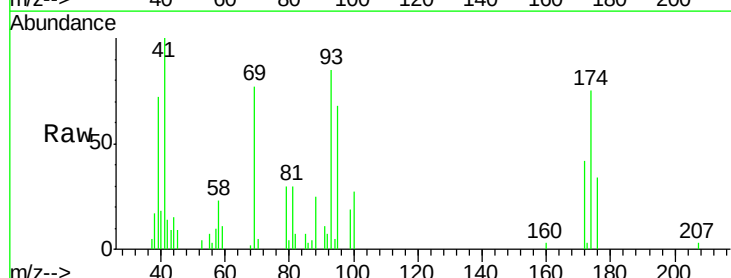
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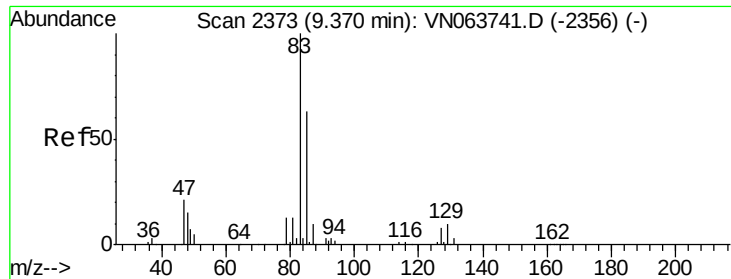
MMDadoda
 10/1/2020 2:39:50 PM



#46
 Dibromomethane
 Concen: 4.800 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 93 Resp: 11464
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.3 99.5
 174 90.1 72.7 109.1





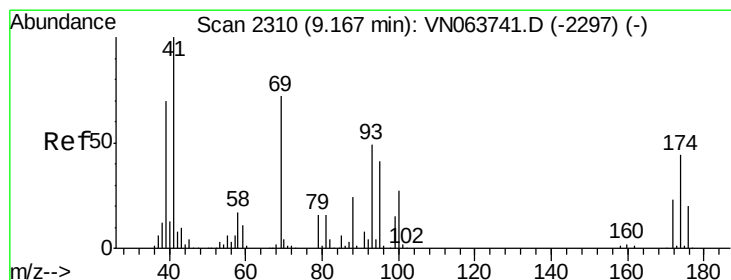
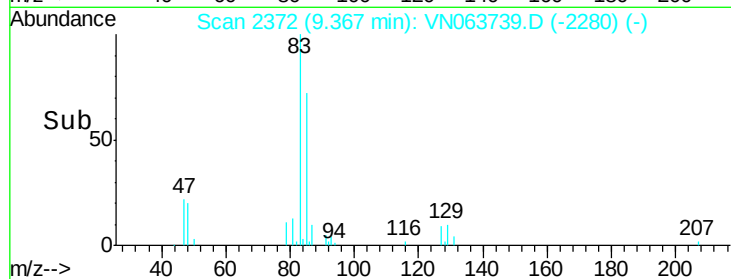
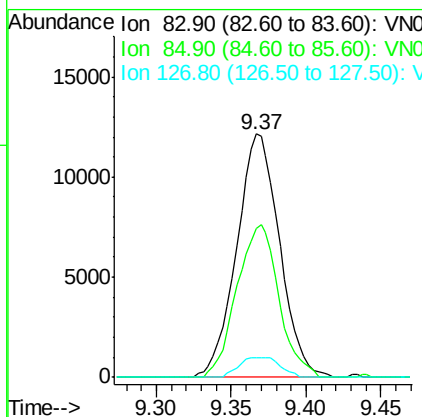
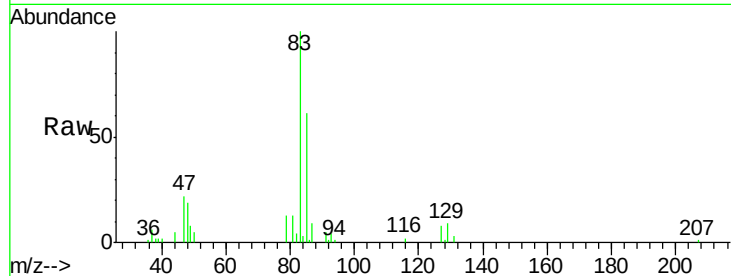
#47
Bromodichloromethane
Concen: 4.855 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.6	75.8
127	7.8	6.6	9.8

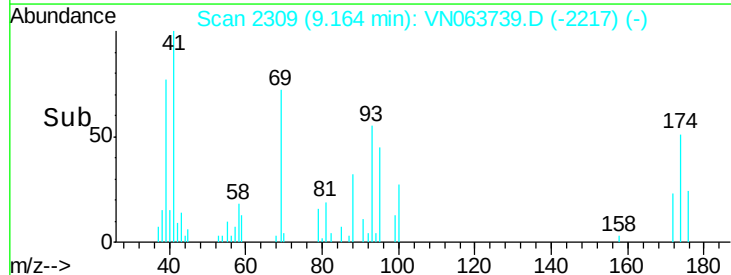
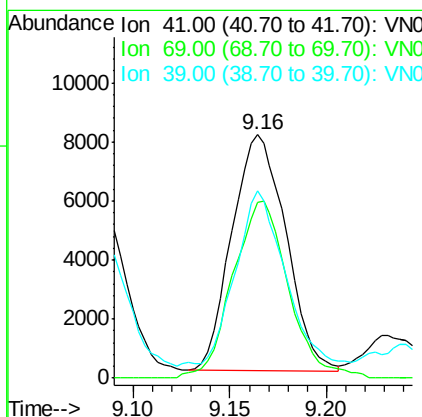
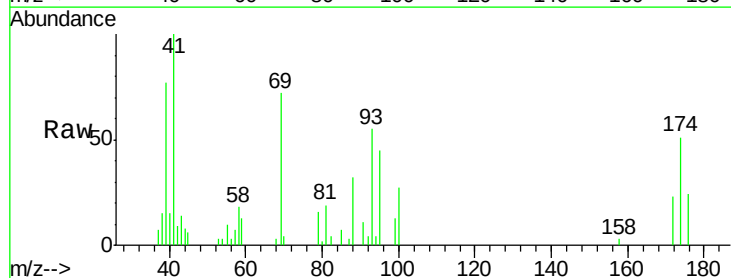
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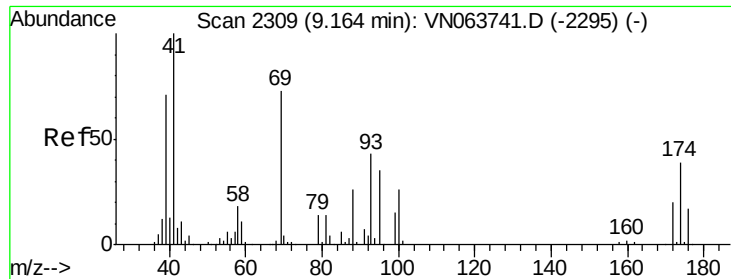
MMDadoda
10/1/2020 2:39:50 PM



#48
Methyl methacrylate
Concen: 3.901 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.3	60.9	91.3
39	77.4	57.5	86.3





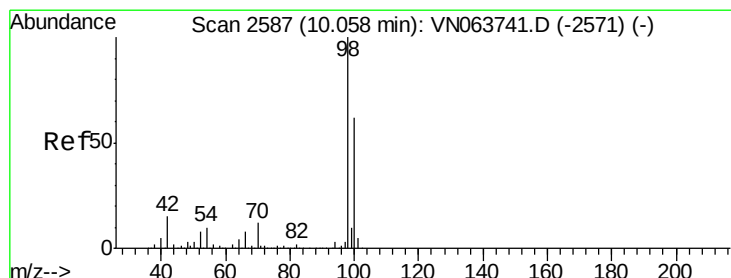
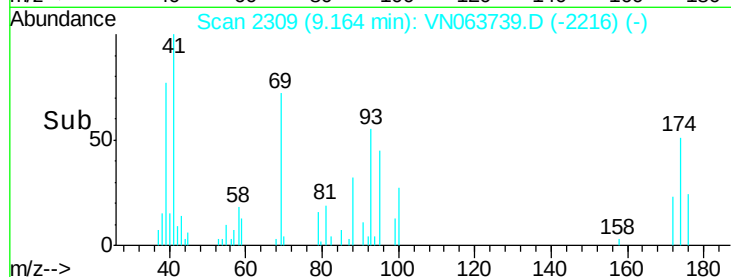
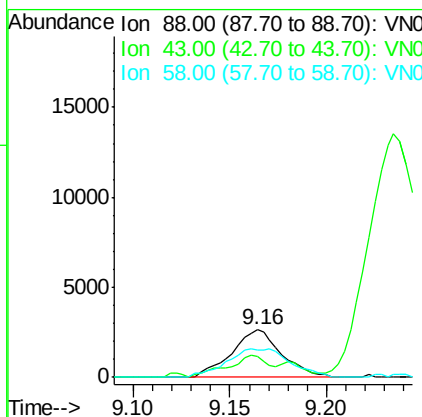
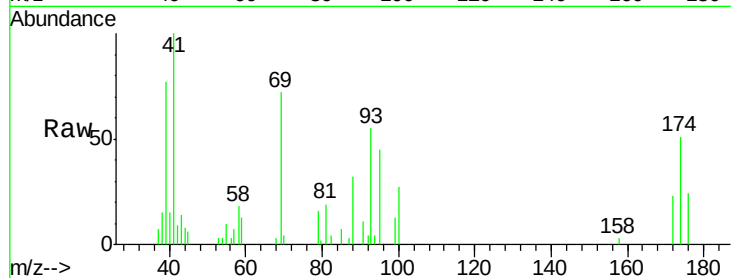
#49
1,4-Dioxane
Concen: 83.133 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	33.1	49.7
58	75.8	58.9	88.3

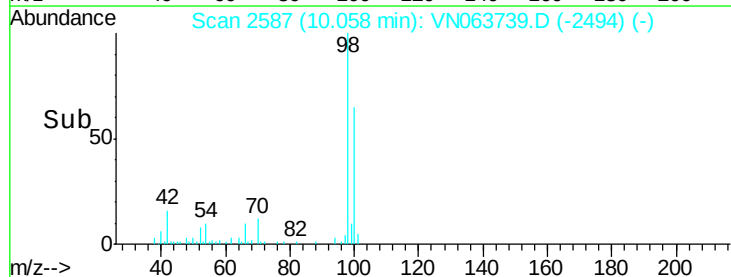
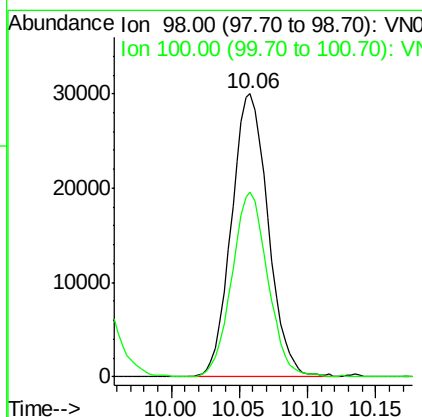
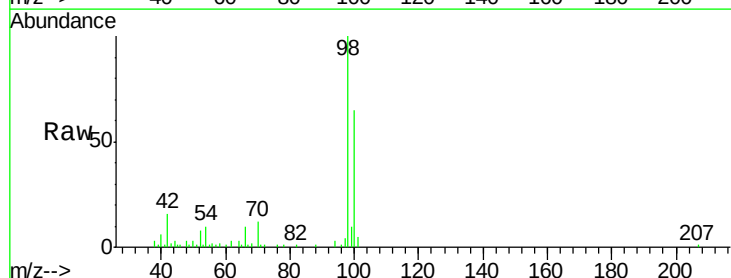
Manual Integrations
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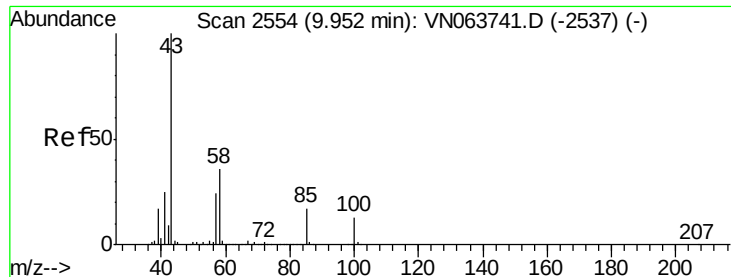
MMDadoda
10/1/2020 2:39:50 PM



#50
Toluene-d8
Concen: 4.863 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 21.677 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 99767

Ion Ratio Lower Upper

43 100

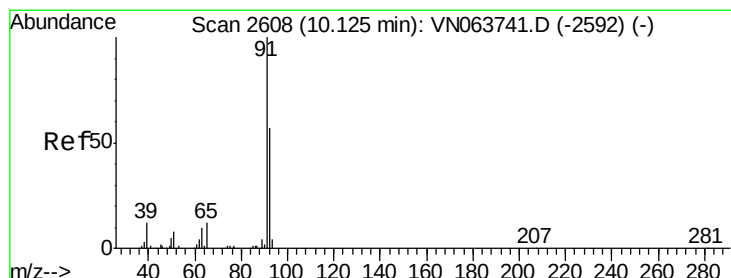
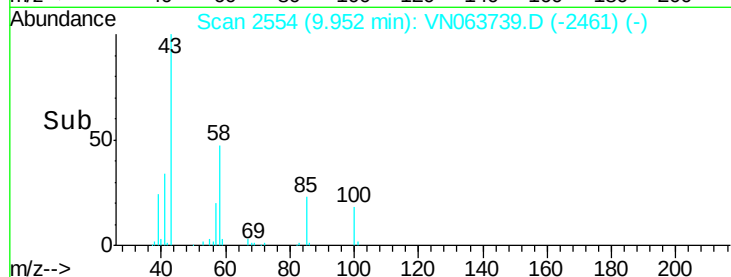
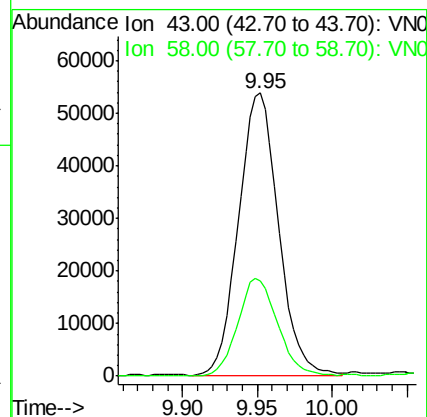
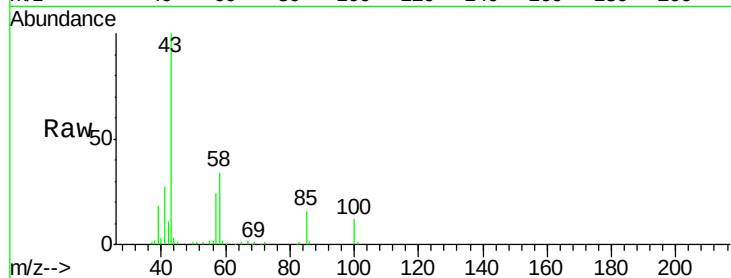
58 34.7 28.4 42.6

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 4.849 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063739.D

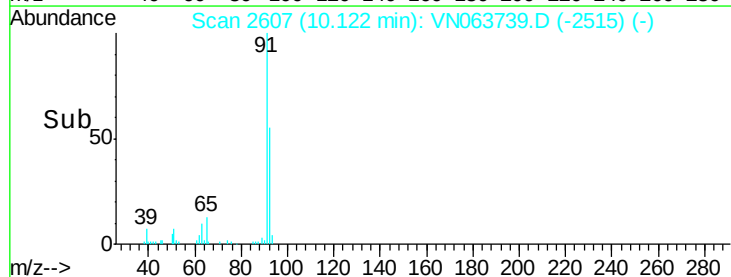
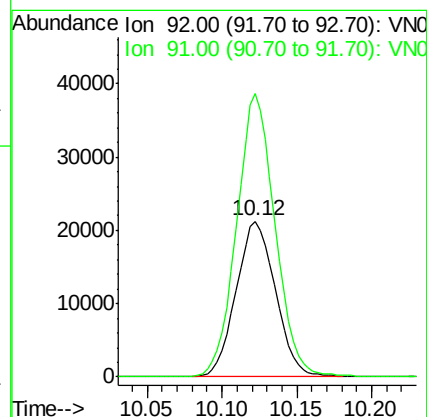
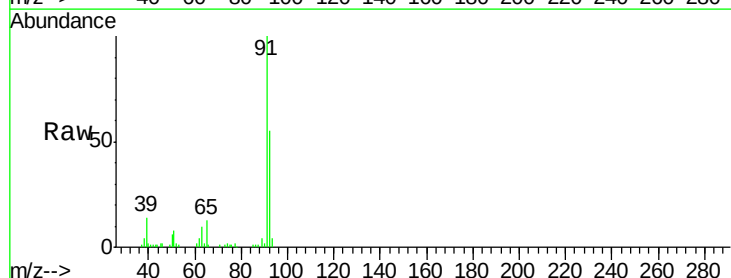
Acq: 30 Sep 2020 10:25

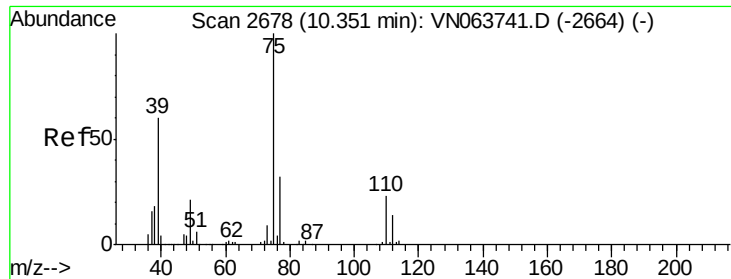
Tgt Ion: 92 Resp: 38912

Ion Ratio Lower Upper

92 100

91 177.7 140.6 210.8





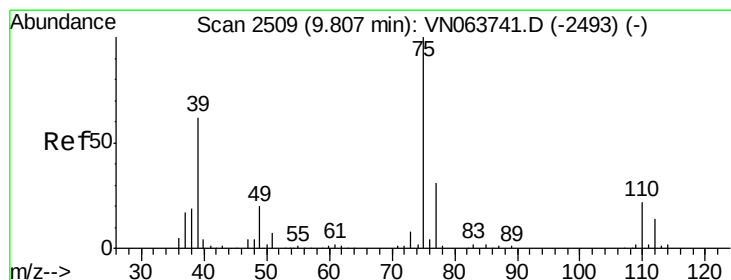
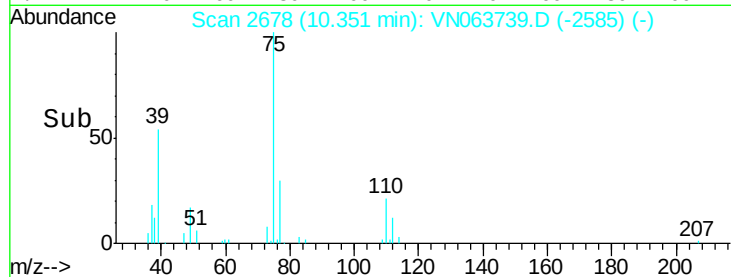
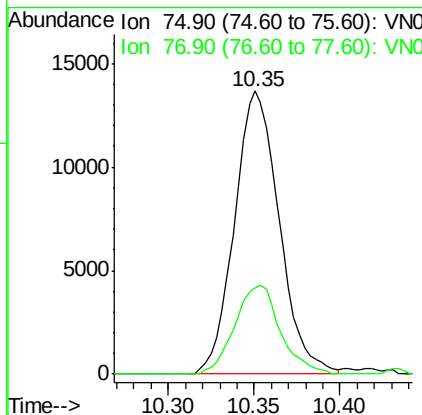
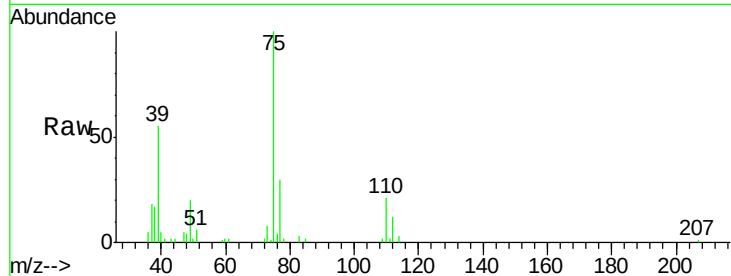
#53
t-1,3-Dichloropropene
Concen: 4.461 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 24690
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9

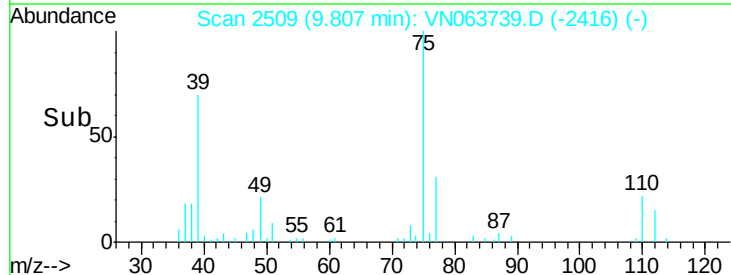
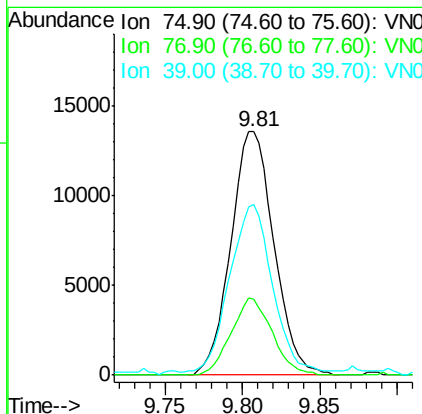
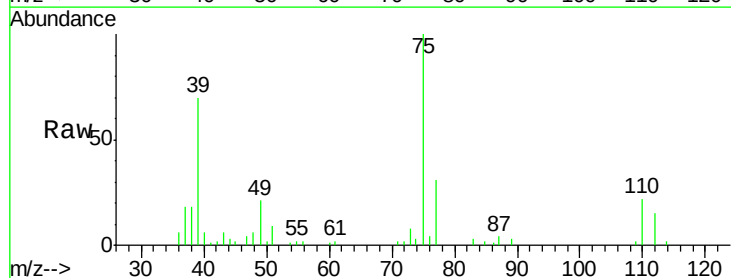
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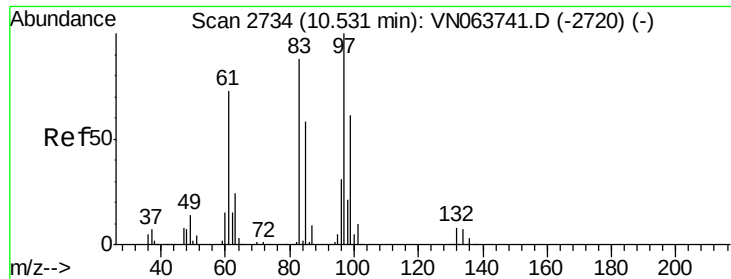
MMDadoda
10/1/2020 2:39:50 PM



#54
cis-1,3-Dichloropropene
Concen: 4.515 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 75 Resp: 26273
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 68.3 49.7 74.5





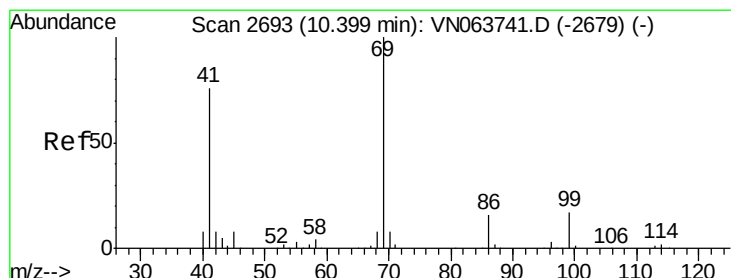
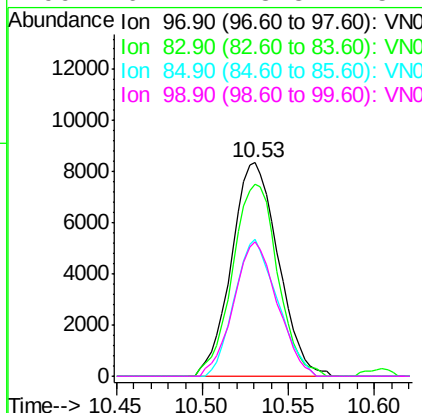
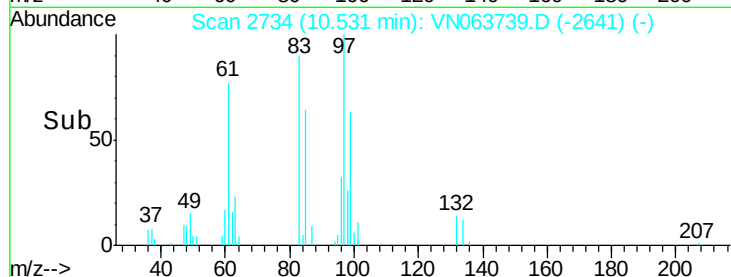
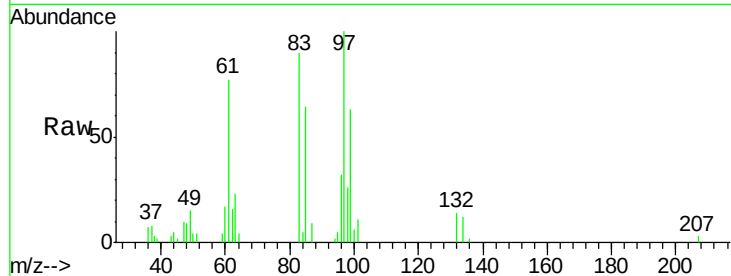
#55
 1,1,2-Trichloroethane
 Concen: 4.952 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	15869
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.7	106.1
85	63.9	46.1	69.1
99	62.7	48.8	73.2

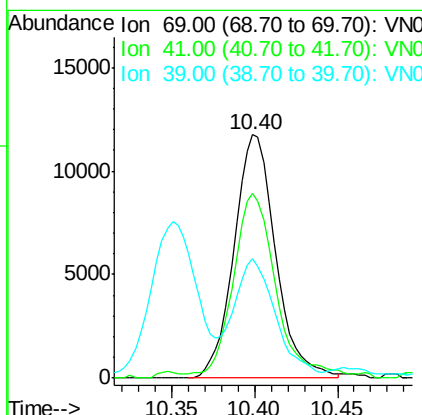
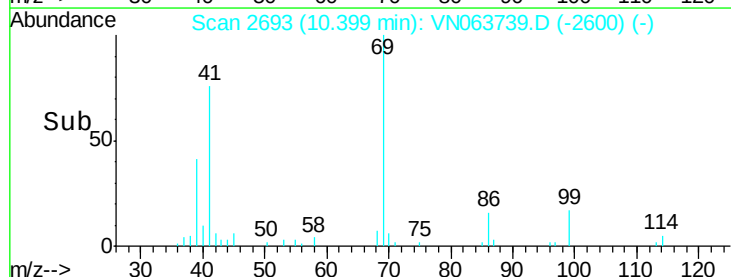
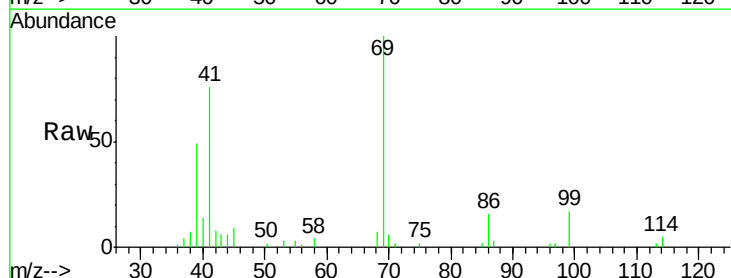
Manual Integrations
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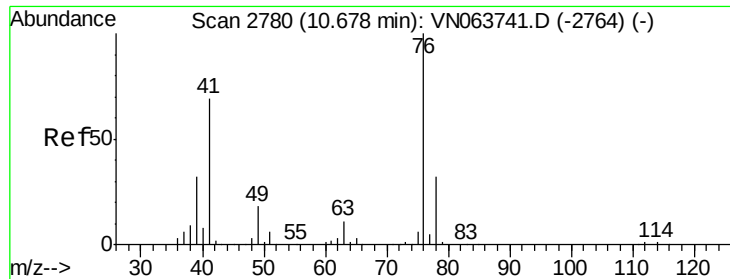
MMDadoda
 10/1/2020 2:39:50 PM



#56
 Ethyl methacrylate
 Concen: 4.154 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion:	69	Resp:	20561
Ion	Ratio	Lower	Upper
69	100		
41	74.8	61.1	91.7
39	46.5	42.2	63.4





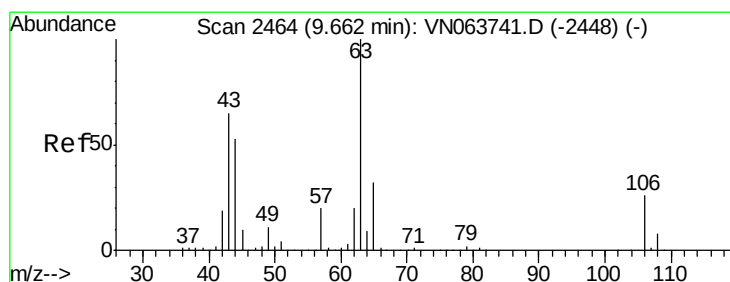
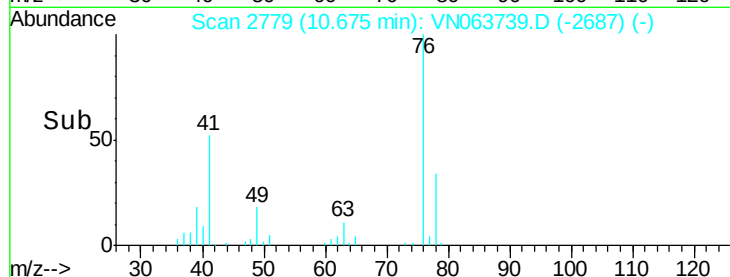
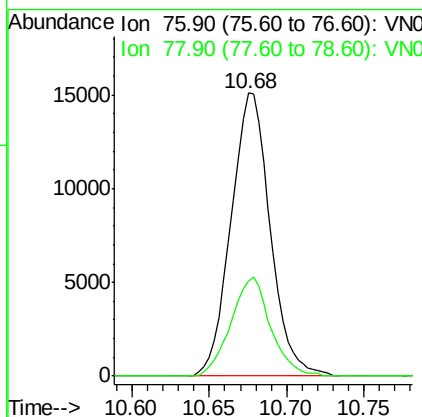
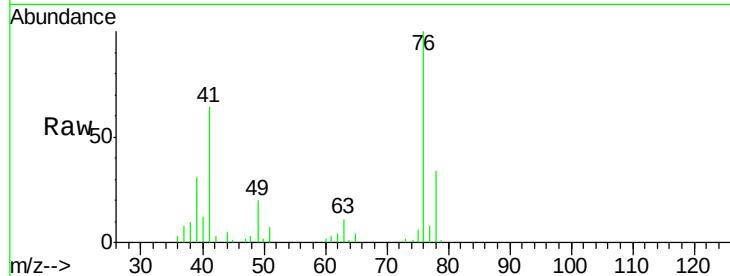
#57
 1,3-Dichloropropane
 Concen: 4.624 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 26561
 Ion Ratio Lower Upper
 76 100
 78 35.4 25.2 37.8

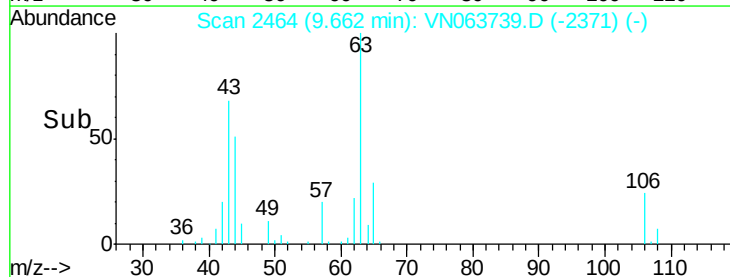
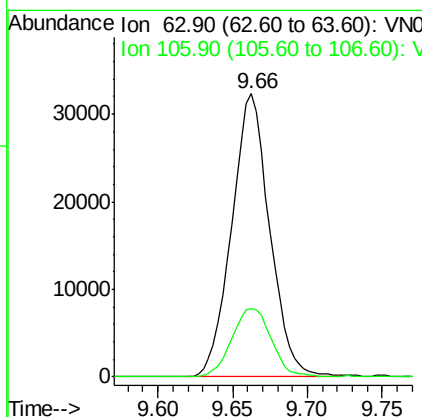
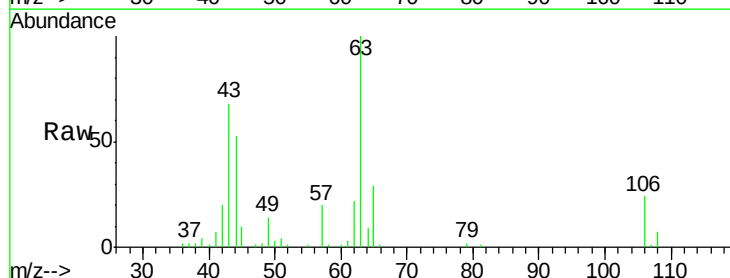
Manual Integrations
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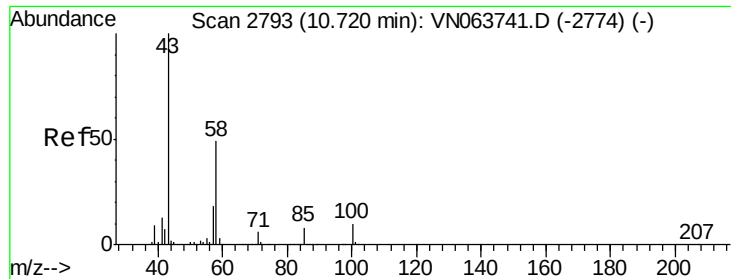
MMDadoda
 10/1/2020 2:39:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.842 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 63 Resp: 57230
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.7 31.1





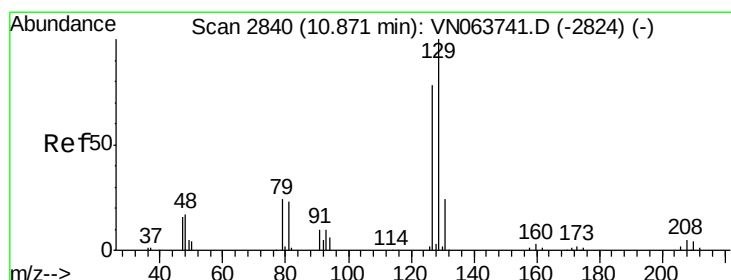
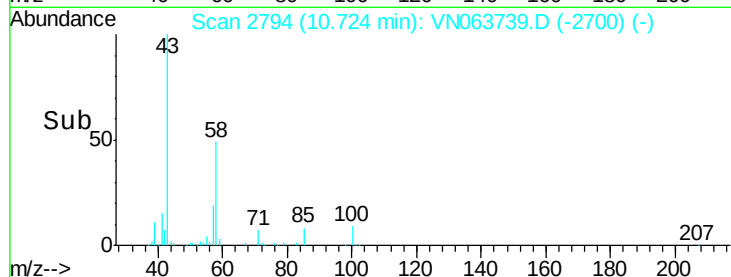
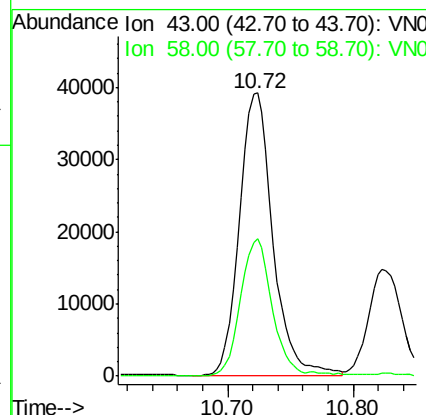
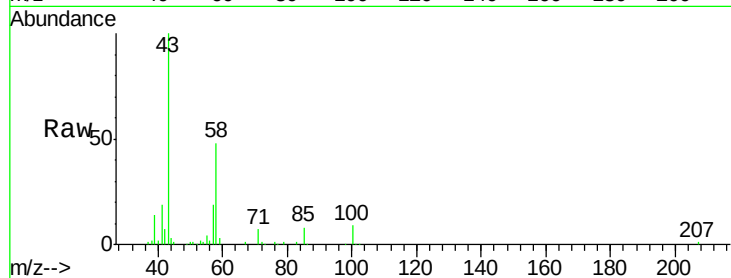
#59
2-Hexanone
Concen: 21.945 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 73204
Ion Ratio Lower Upper
43 100
58 45.0 24.6 73.8

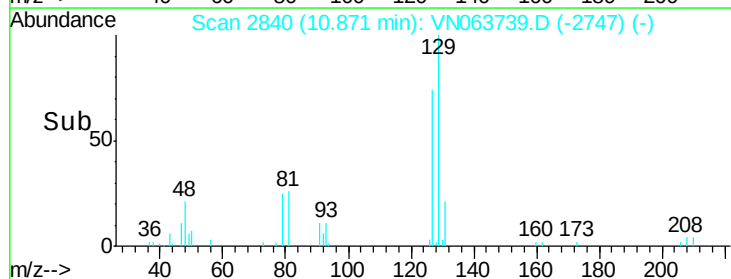
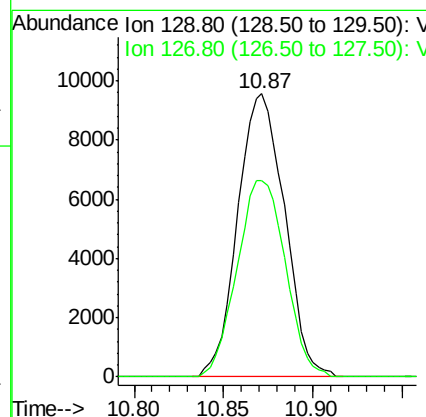
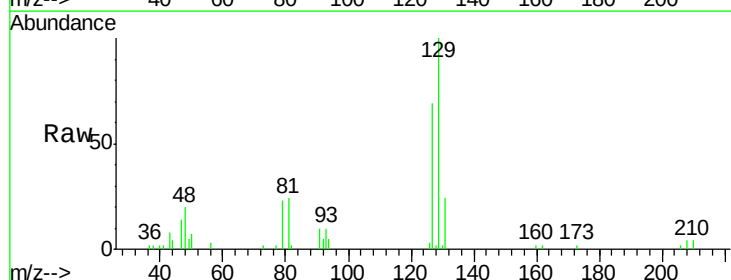
Manual Integrations
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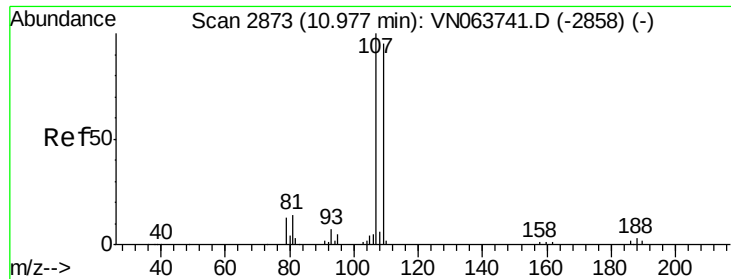
MMDadoda
10/1/2020 2:39:50 PM



#60
Dibromochloromethane
Concen: 4.832 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 129 Resp: 17513
Ion Ratio Lower Upper
129 100
127 71.7 38.9 116.7





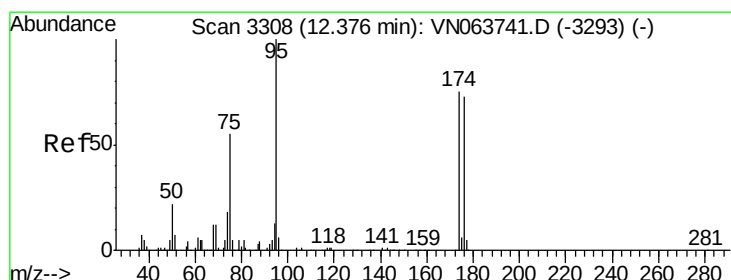
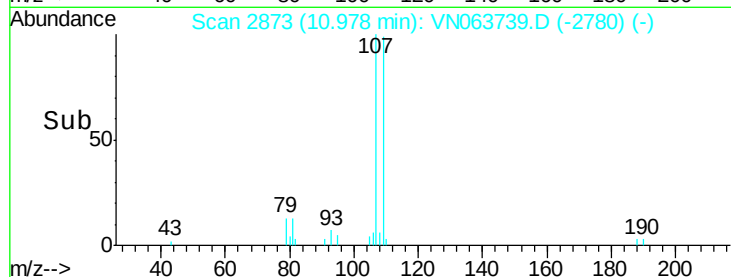
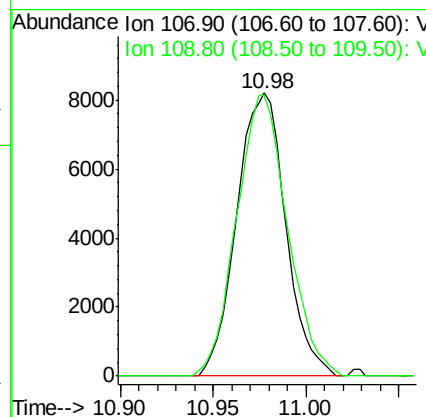
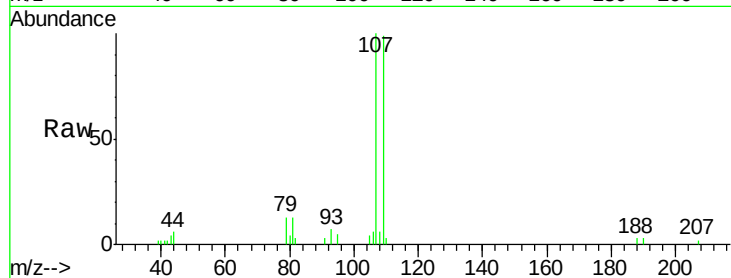
#61
 1,2-Dibromoethane
 Concen: 4.535 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	103.4	74.8	112.2

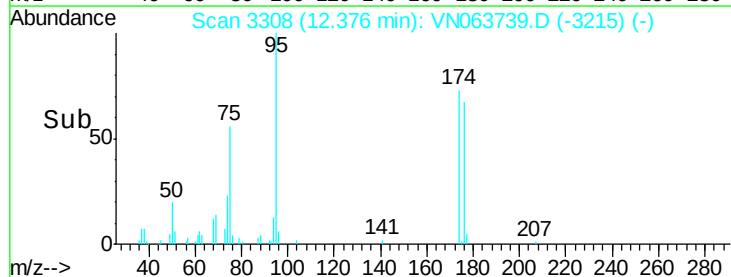
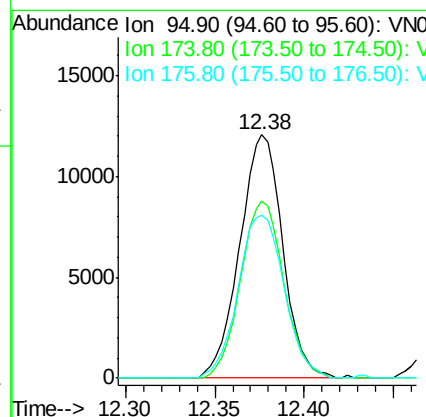
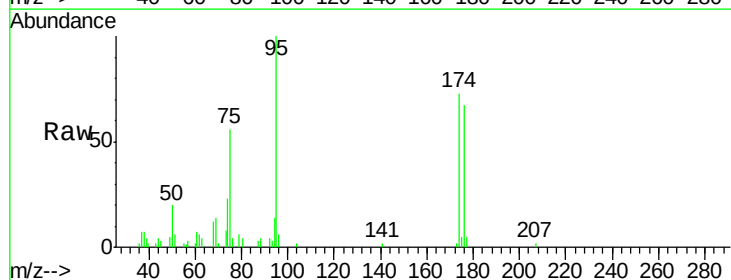
Manual Integrations
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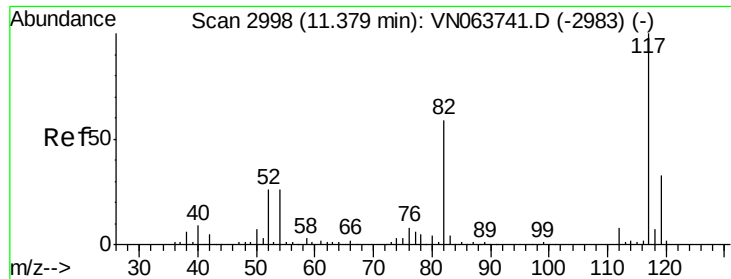
MMDadoda
 10/1/2020 2:39:50 PM



#62
 4-Bromofluorobenzene
 Concen: 4.747 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	150.6
176	71.9	0.0	145.4





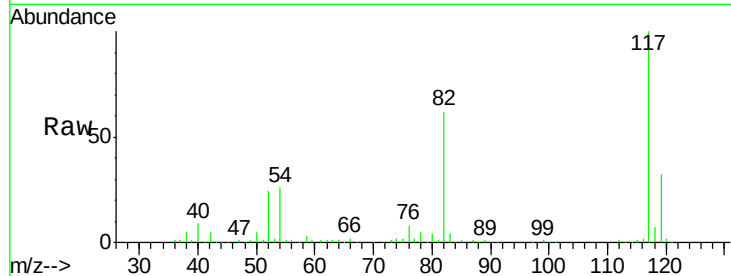
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	411165		
82	61.6	47.4	71.2	
119	32.3	26.4	39.6	

Manual Integrations
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MMDadoda
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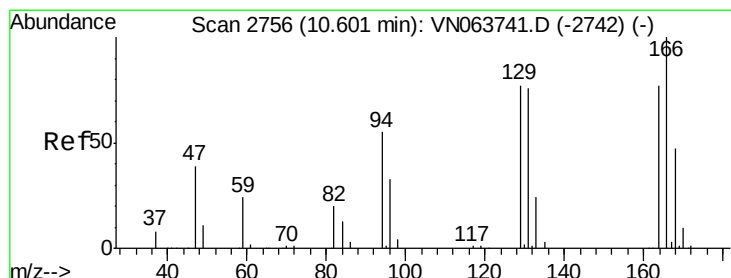
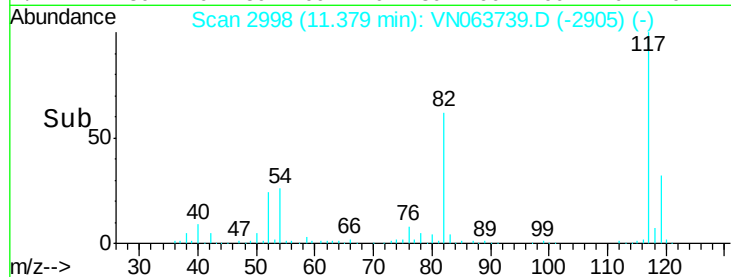
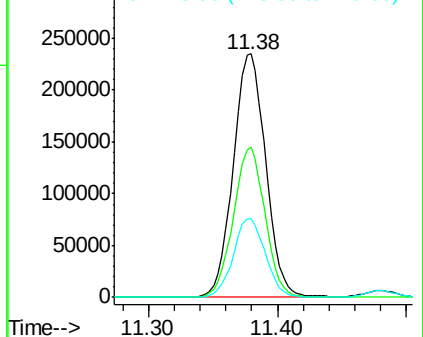


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.725 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16155		
166	126.7	103.9	155.9	
129	107.3	80.3	120.5	
131	93.6	78.9	118.3	

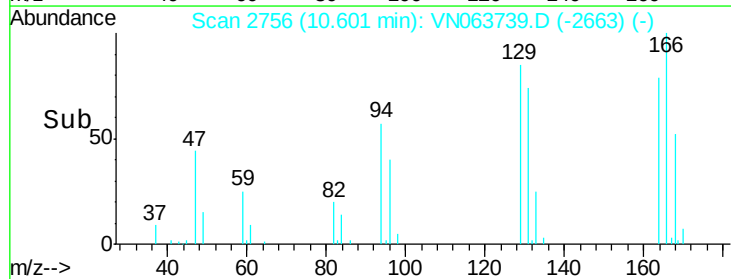
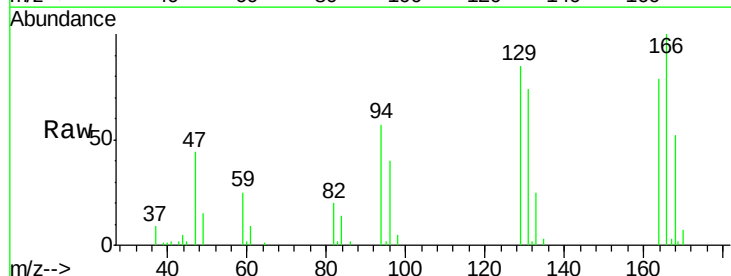
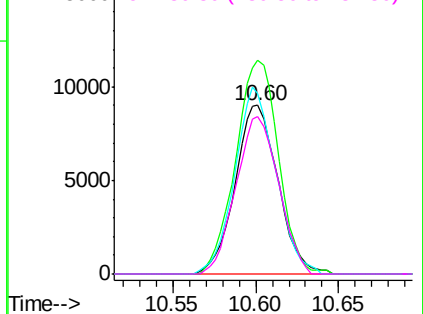
Abundance

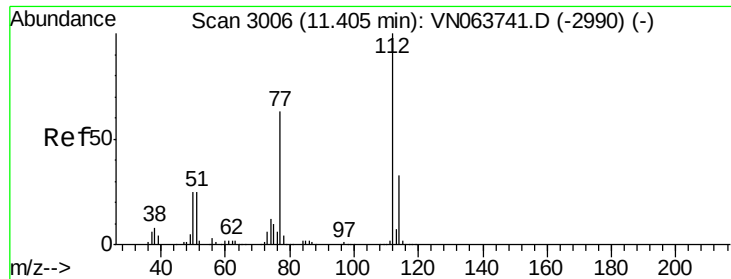
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





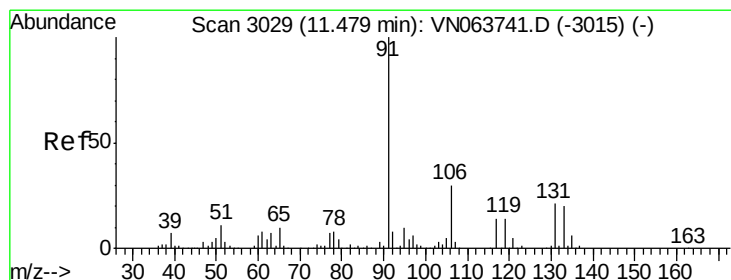
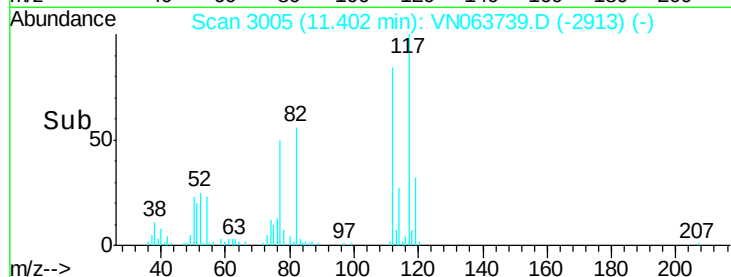
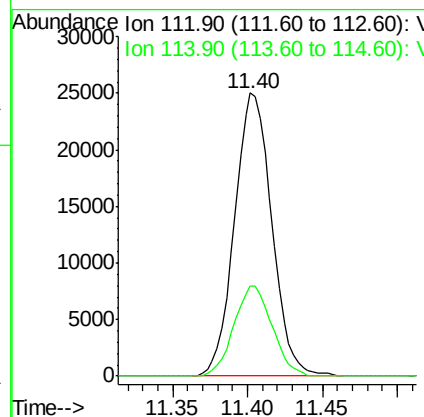
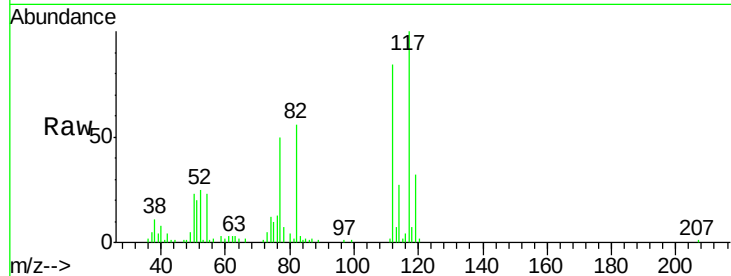
#65
Chlorobenzene
Concen: 5.042 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 43402
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1

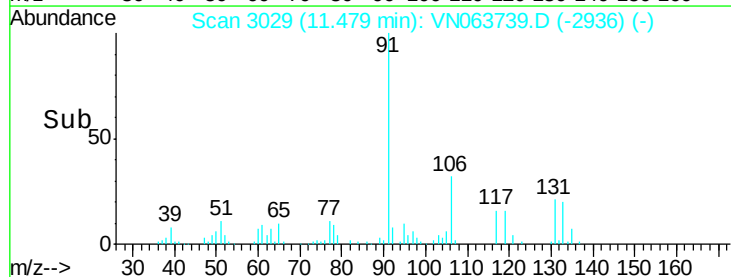
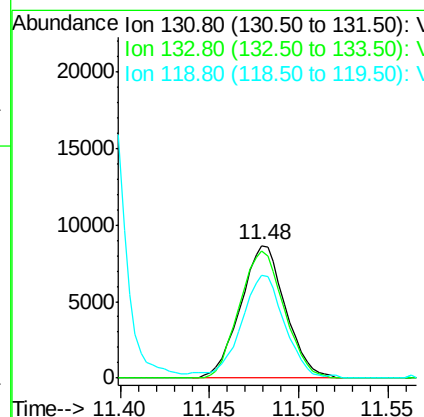
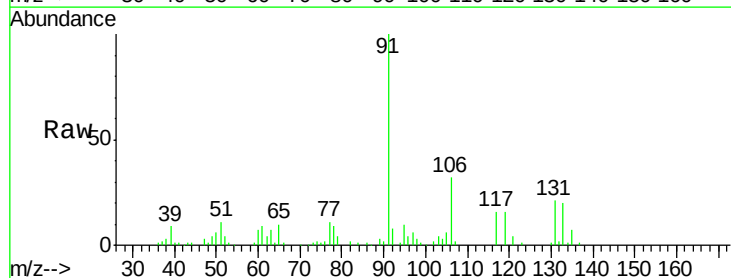
Manual Integrations
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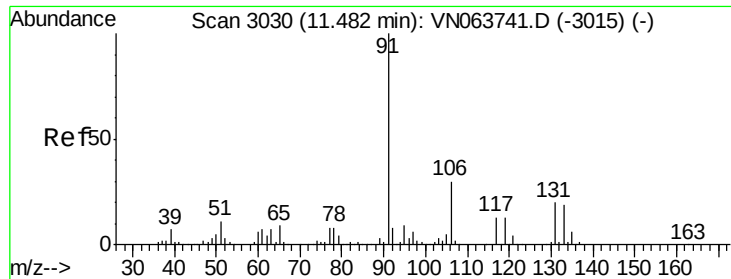
MMDadoda
10/1/2020 2:39:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.801 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion:131 Resp: 15279
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 74.8 32.6 97.7





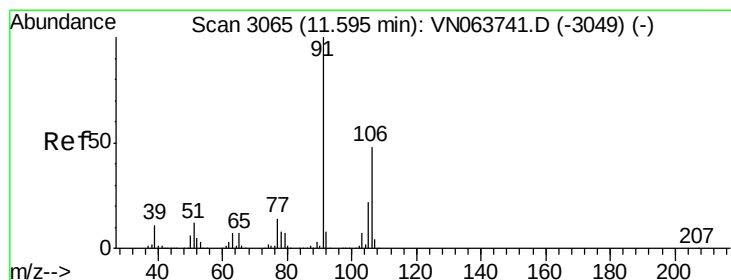
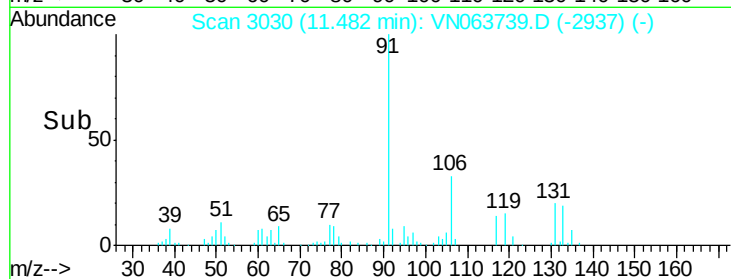
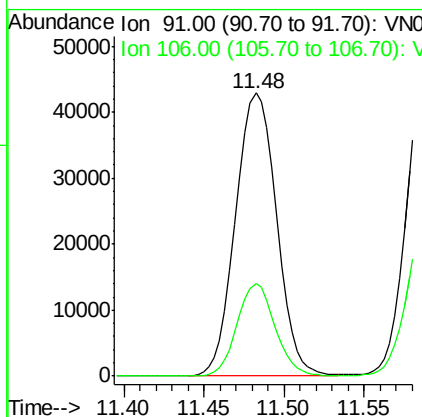
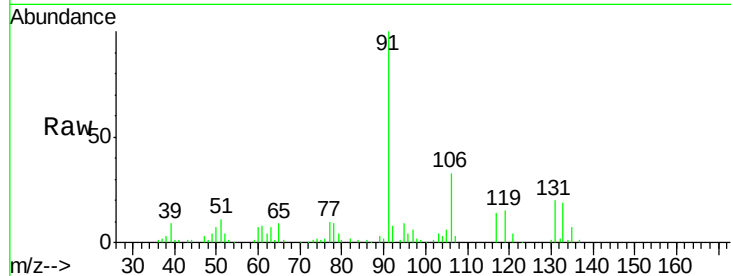
#67
Ethyl Benzene
Concen: 4.646 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	24.2	36.2

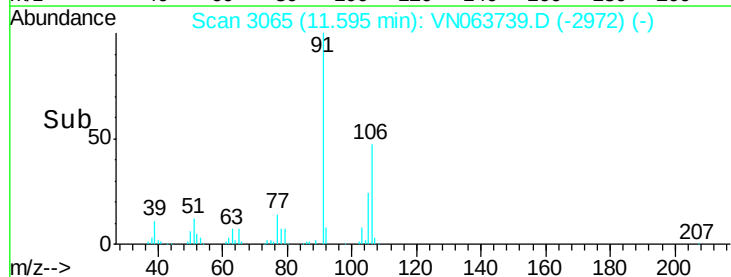
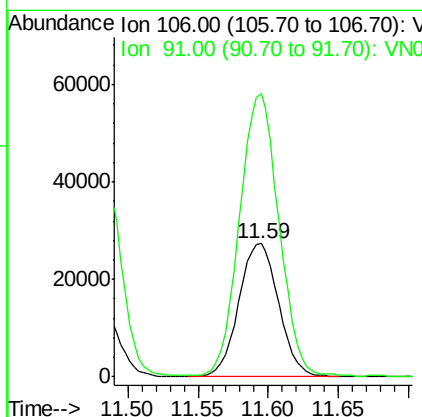
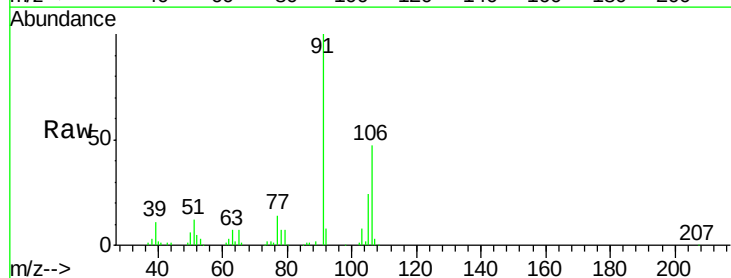
Manual Integrations
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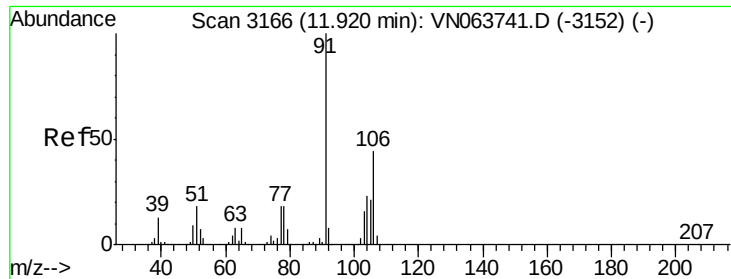
MMDadoda
10/1/2020 2:39:50 PM



#68
m/p-Xylenes
Concen: 9.267 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.7	168.0	252.0





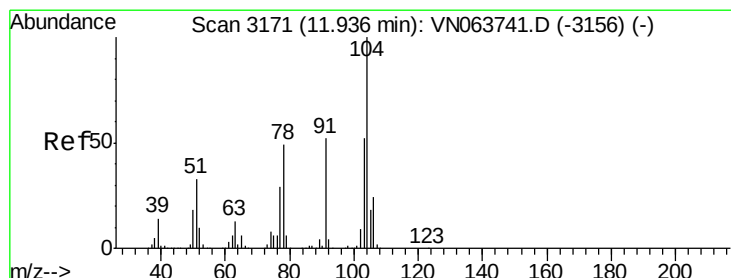
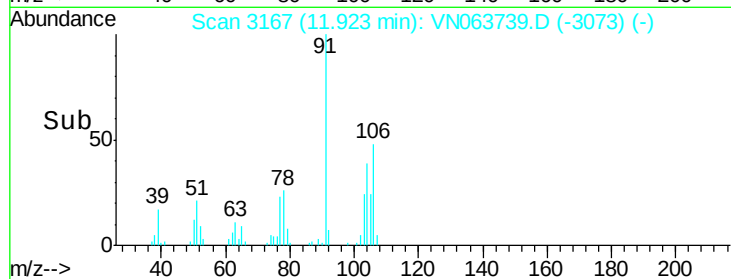
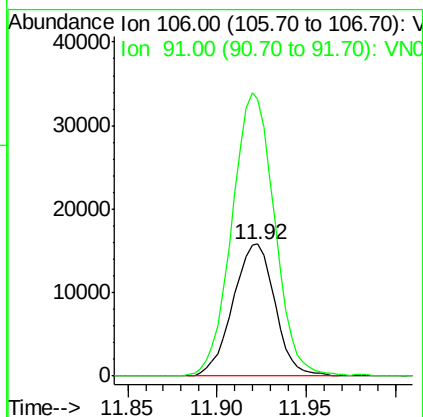
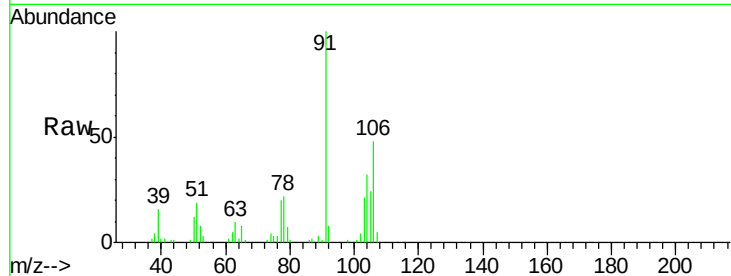
#69
o-Xylene
Concen: 4.654 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		25907		
91	217.4	112.7	338.0		

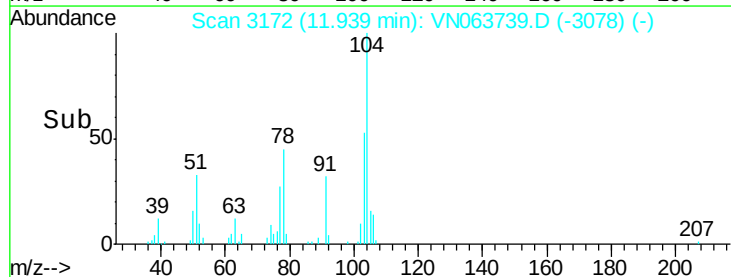
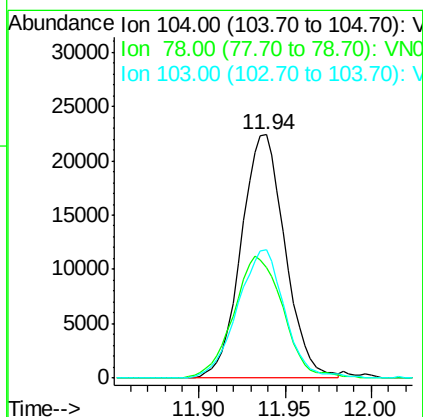
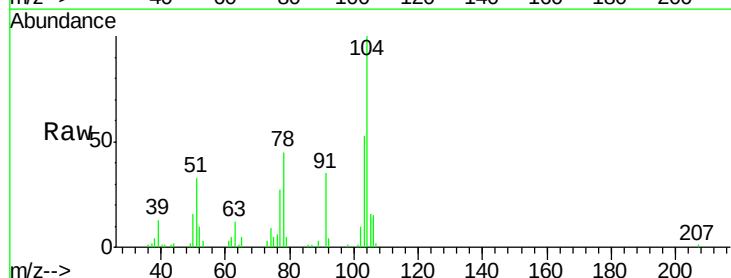
Manual Integrations
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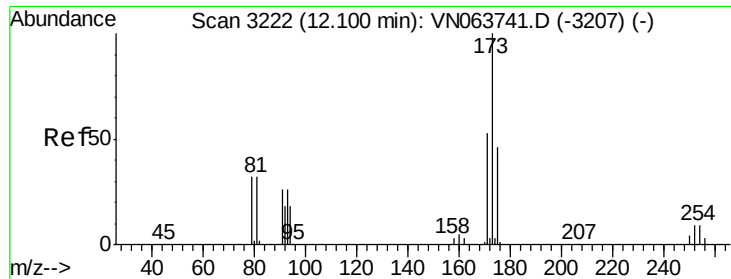
MMDadoda
10/1/2020 2:39:50 PM



#70
Styrene
Concen: 4.253 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		39713		
78	56.4	44.1	66.1		
103	56.7	44.3	66.5		





#71

Bromoform

Concen: 4.550 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

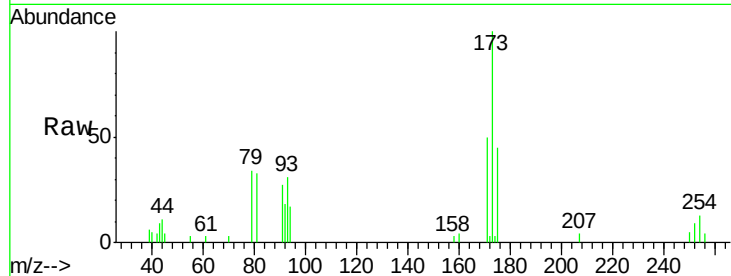
ClientSampleId :

VSTDIC005

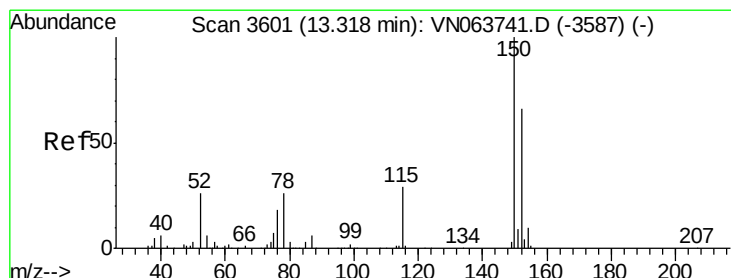
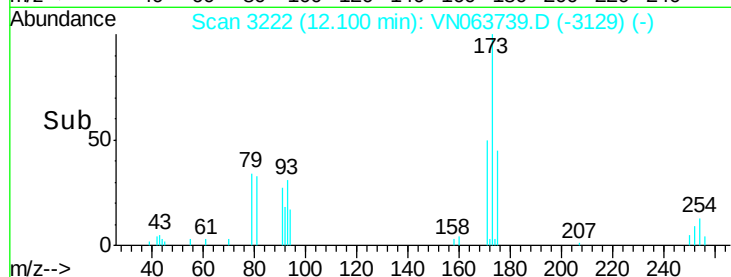
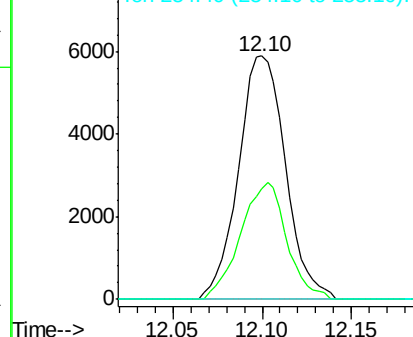
Tot Ion:	173	Resp:	10819
Ion Ratio	Lower	Upper	
173	100		
175	46.9	23.5	70.5
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

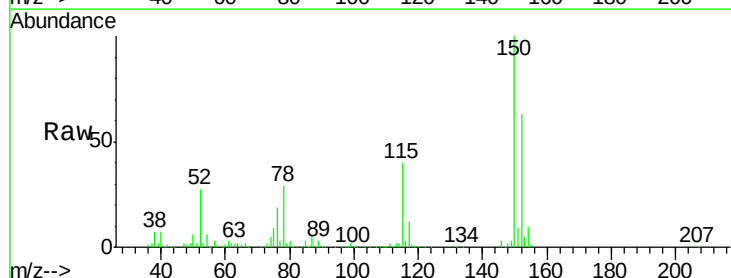
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

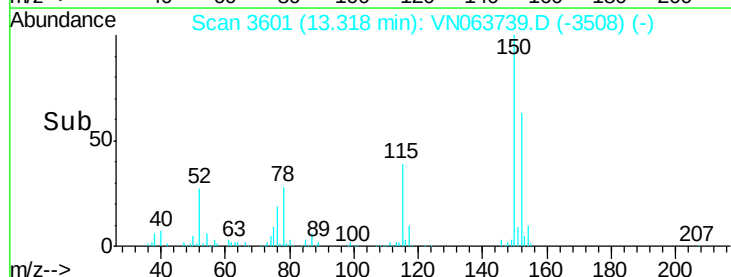
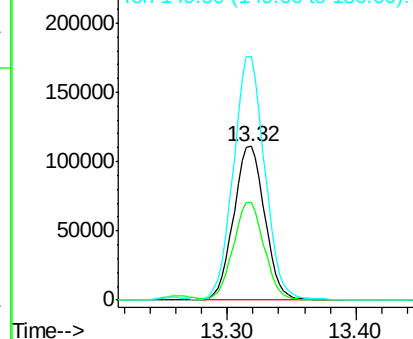
Lab File: VN063739.D

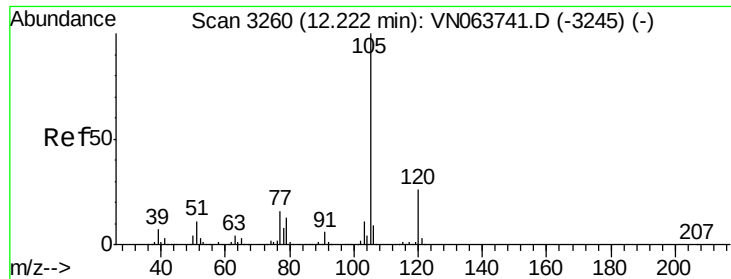
Acq: 30 Sep 2020 10:25

Tgt Ion:	152	Resp:	186737
Ion Ratio	Lower	Upper	
152	100		
115	62.2	31.3	93.8
150	157.2	0.0	341.8



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





#73

Isopropylbenzene

Concen: 4.630 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 68166

Ion Ratio Lower Upper

105 100

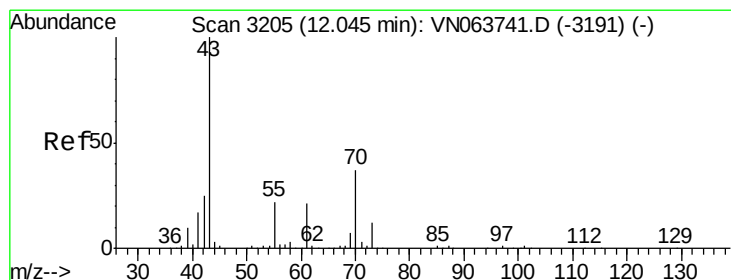
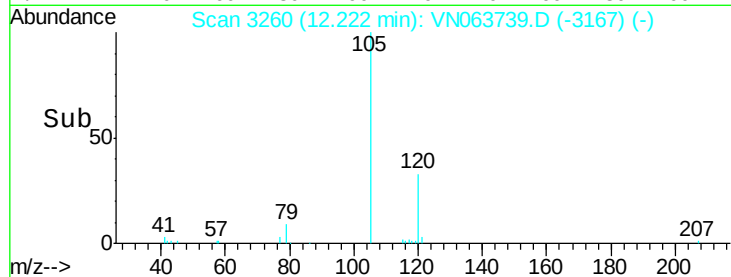
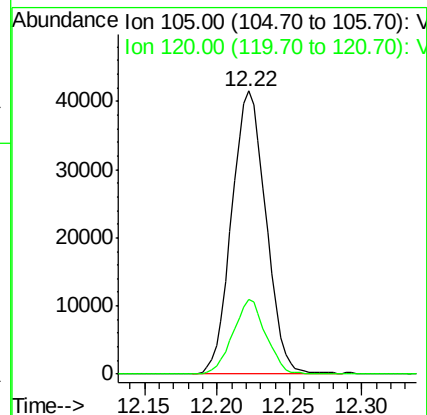
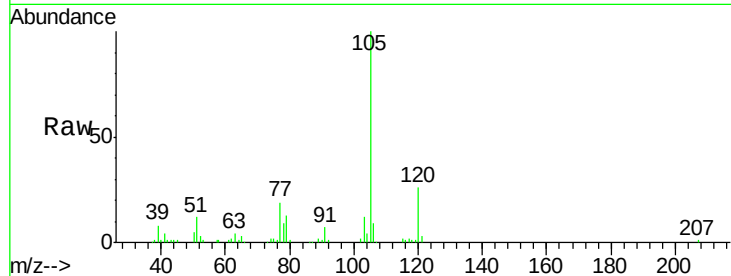
120 25.2 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 3.579 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion: 43 Resp: 24661

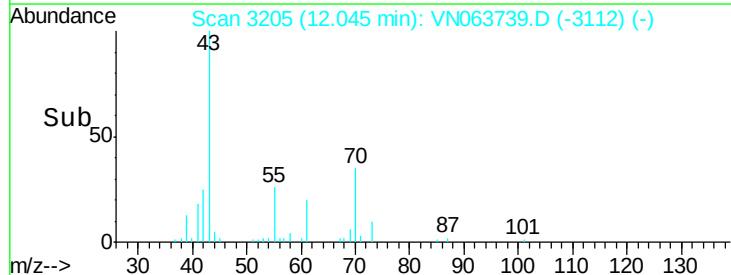
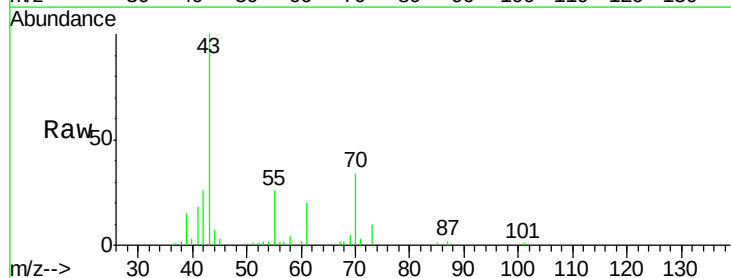
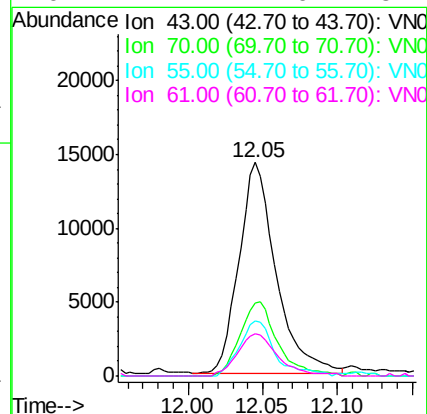
Ion Ratio Lower Upper

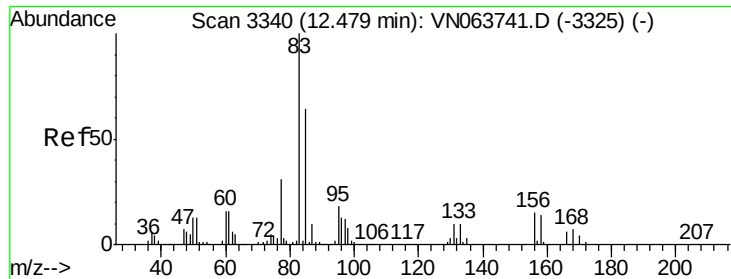
43 100

70 35.6 29.8 44.8

55 25.1 17.9 26.9

61 21.2 17.0 25.4





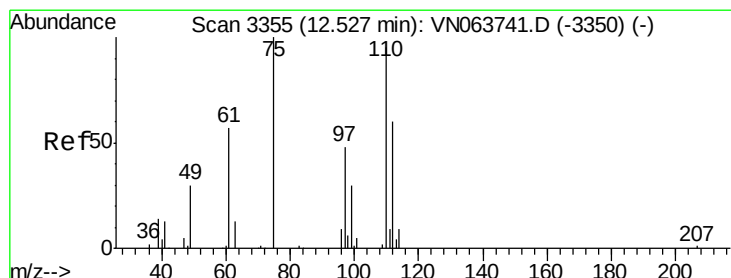
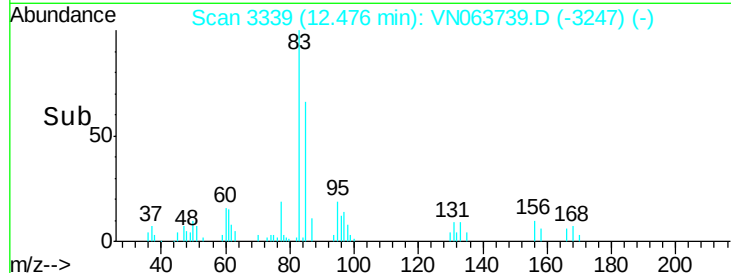
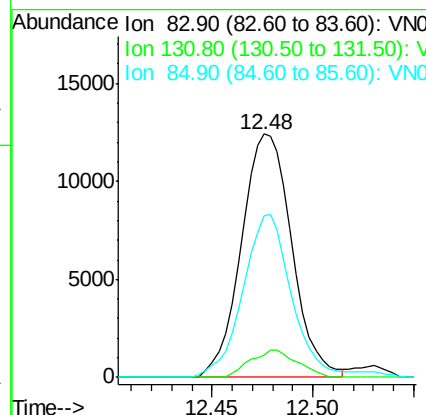
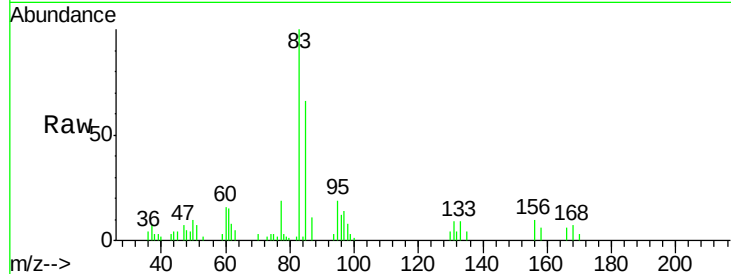
#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.757 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.8
85	64.5	31.3	93.8

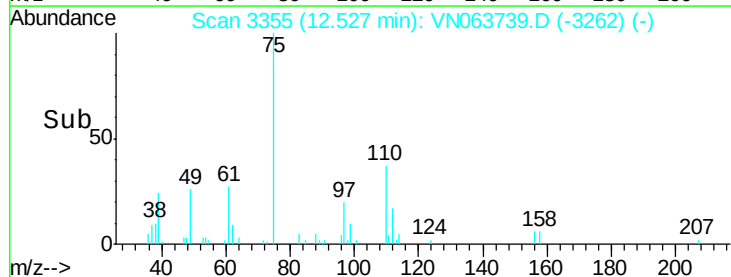
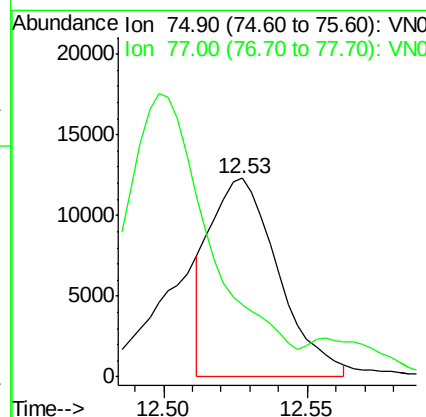
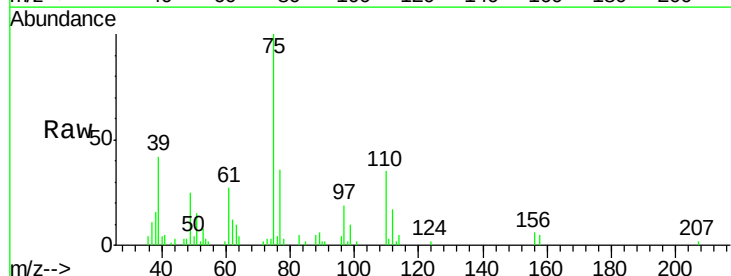
Manual Integrations
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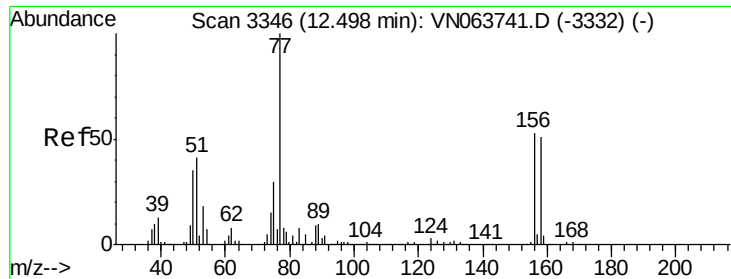
MMDadoda
 10/1/2020 2:39:50 PM



#76
 1,2,3-Trichloropropane
 Concen: 4.449 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.125 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

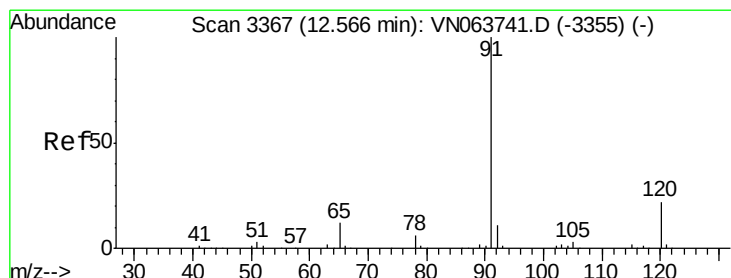
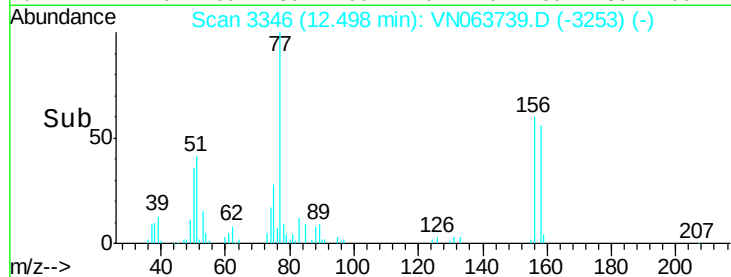
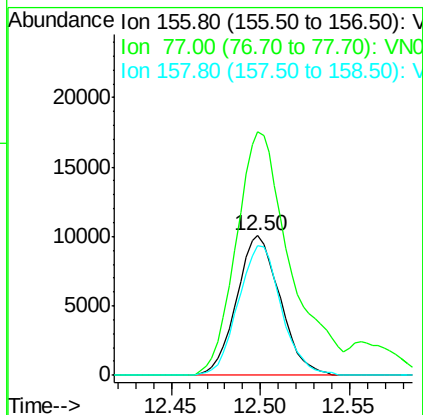
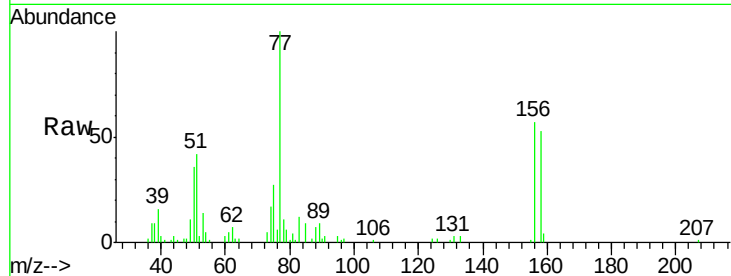
ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 17146
 Ion Ratio Lower Upper
 156 100
 77 216.2 110.9 332.7
 158 92.1 47.7 143.1

Manual Integrations
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MMDadoda
 10/1/2020 2:39:50 PM



#78

n-propylbenzene

Concen: 4.533 ug/l

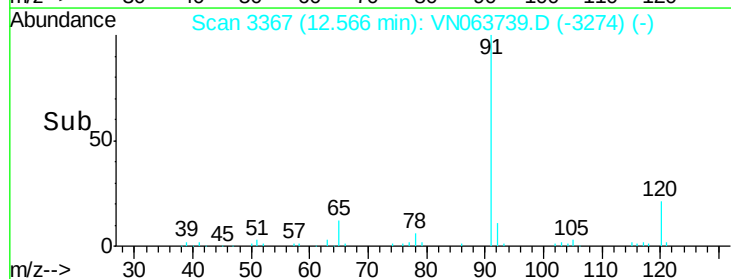
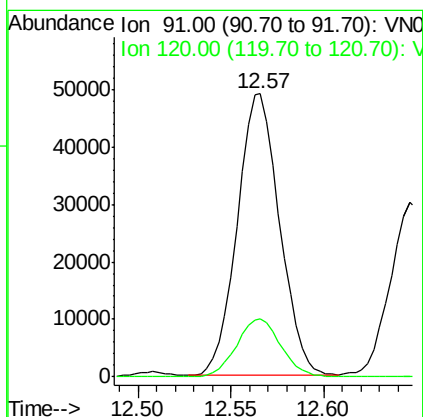
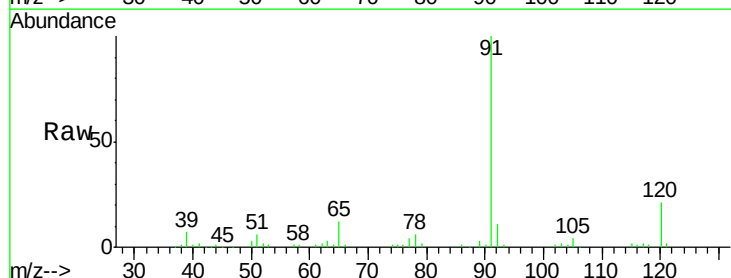
RT: 12.57 min Scan# 3367

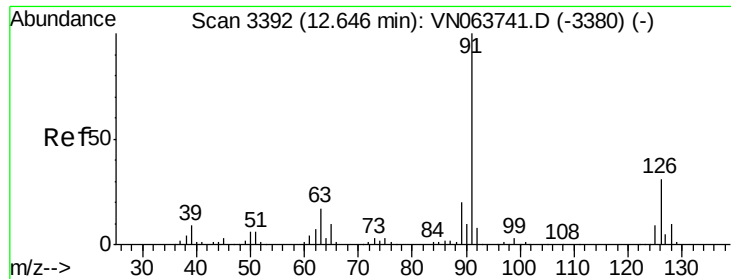
Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion: 91 Resp: 77567
 Ion Ratio Lower Upper
 91 100
 120 21.4 11.1 33.1





#79

2-Chlorotoluene

Concen: 4.712 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 48461

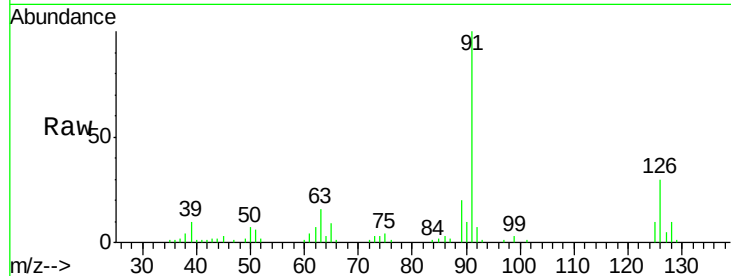
Ion Ratio Lower Upper

91 100

126 32.9 15.9 47.7

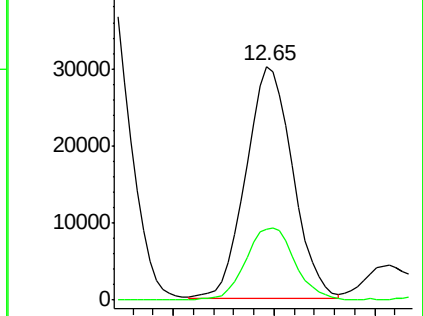
Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:39:50 PM

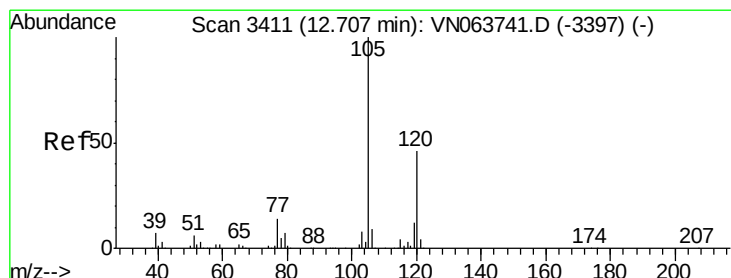
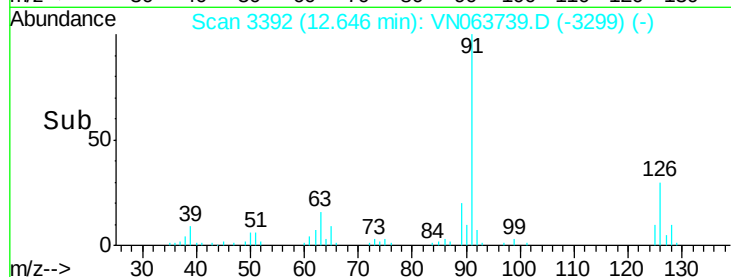


Abundance Ion 91.00 (90.70 to 91.70): VN063739.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN063739.D (-3299) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.492 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063739.D

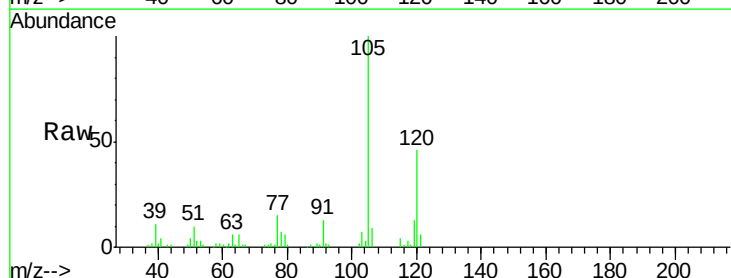
Acq: 30 Sep 2020 10:25

Tgt Ion: 105 Resp: 55006

Ion Ratio Lower Upper

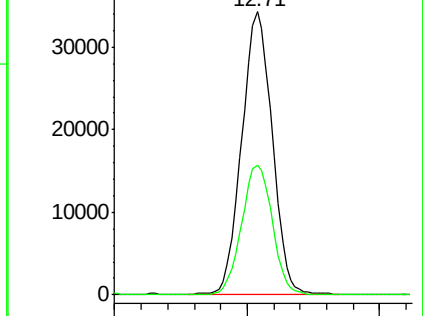
105 100

120 45.9 23.3 69.9

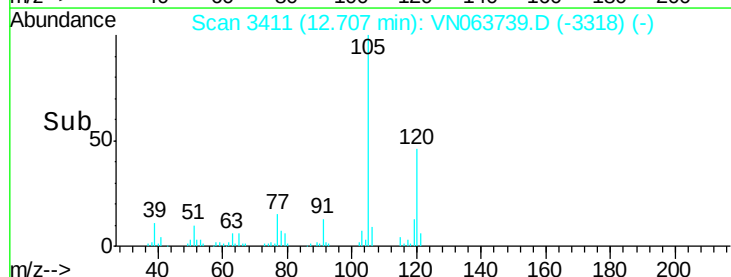


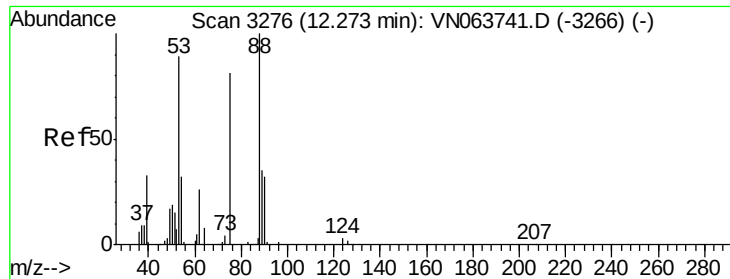
Abundance Ion 105.00 (104.70 to 105.70): VN063739.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063739.D (-3318) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 3.643 ug/l

RT: 12.27 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

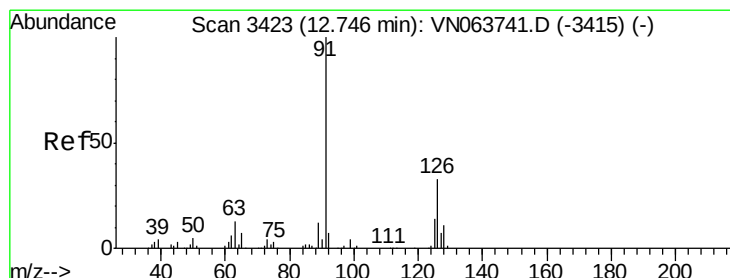
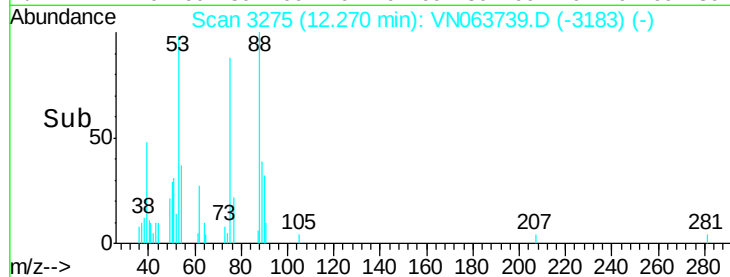
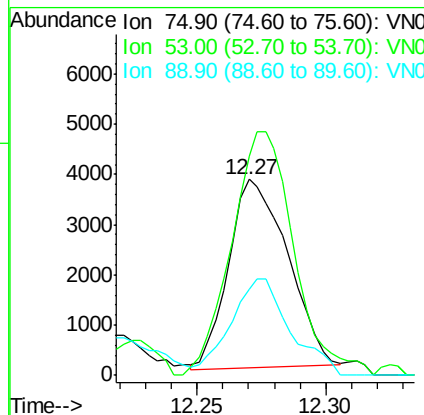
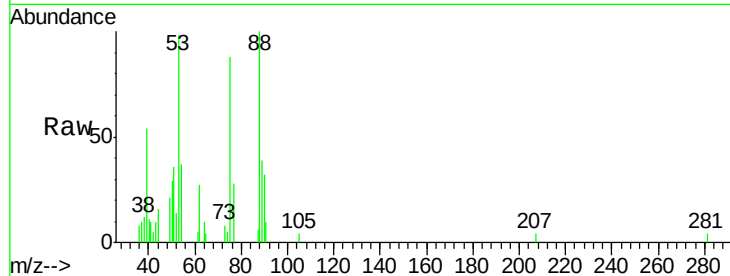
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6005
Ion	Ratio	Lower	Upper
75	100		
53	136.2	88.2	132.2#
89	51.5	36.0	54.0

Manual Integrations
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10/1/2020 2:39:50 PM



#82

4-Chlorotoluene

Concen: 4.475 ug/l

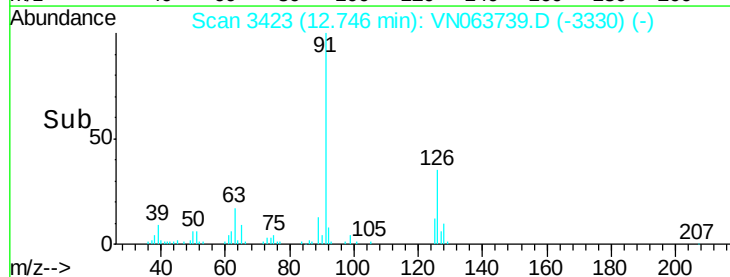
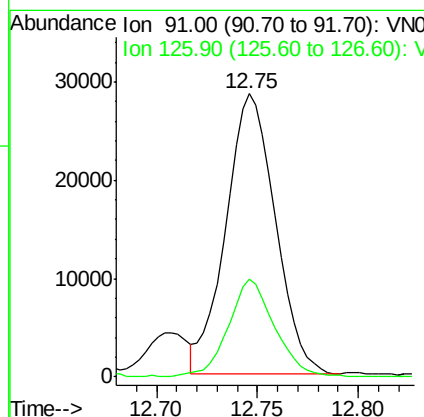
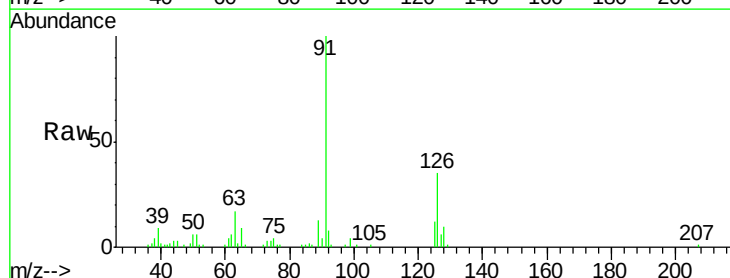
RT: 12.75 min Scan# 3423

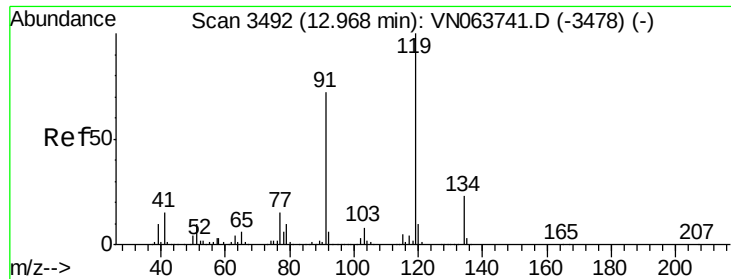
Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion:	91	Resp:	48687
Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.4	46.2





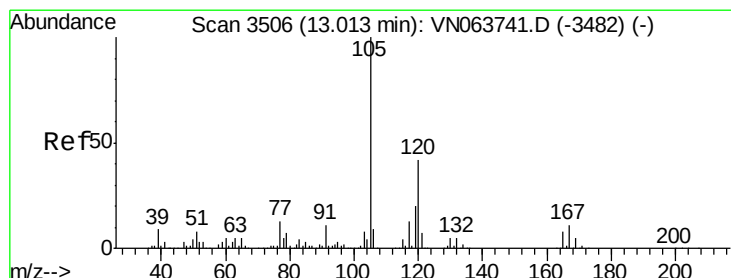
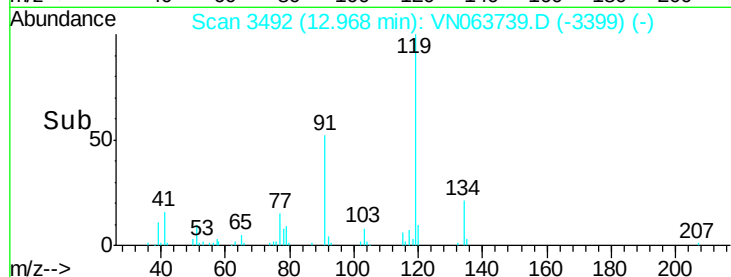
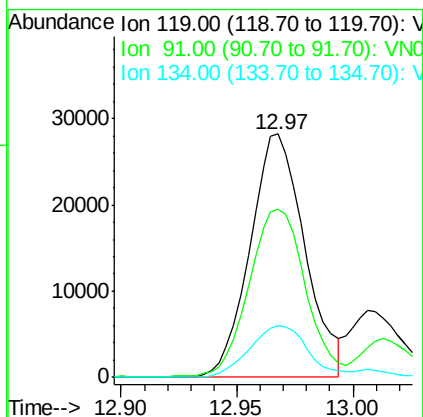
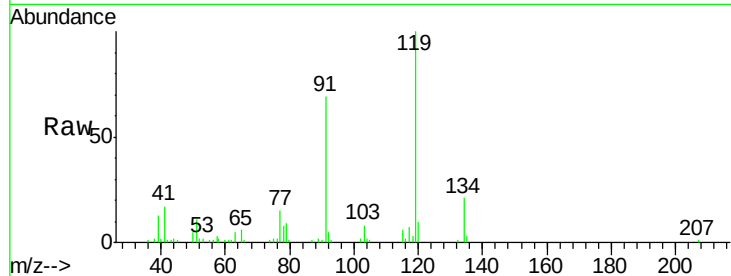
#83
tert-Butylbenzene
Concen: 4.590 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.6	35.5	106.5
134	22.5	11.7	35.1

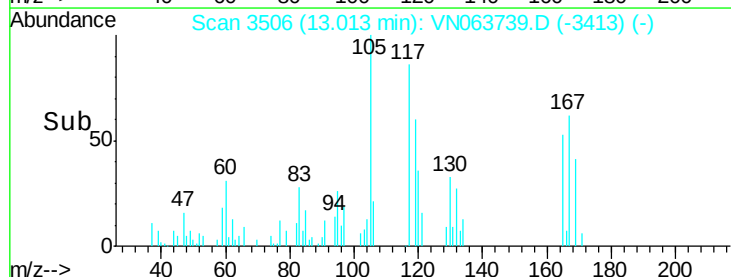
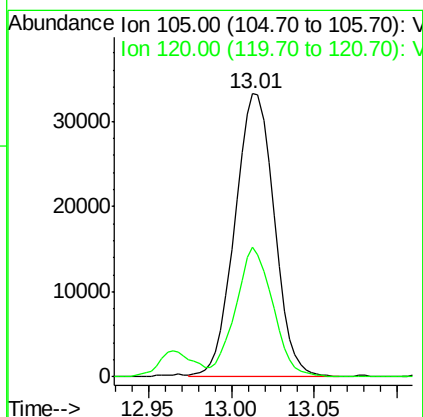
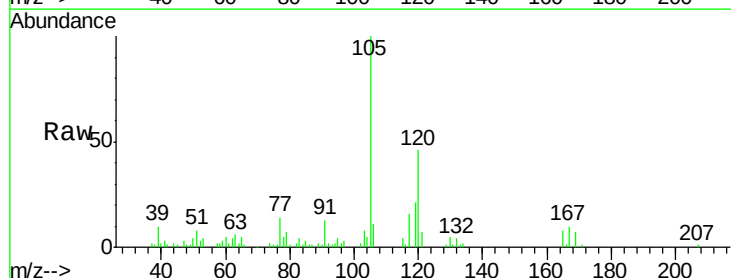
Manual Integrations
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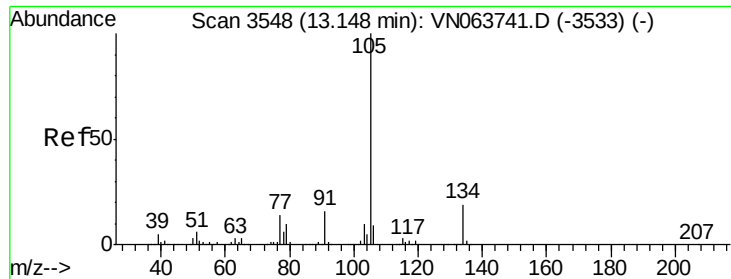
MMDadoda
10/1/2020 2:39:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 4.453 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	20.9	62.7





#85

sec-Butylbenzene

Concen: 4.456 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 60250

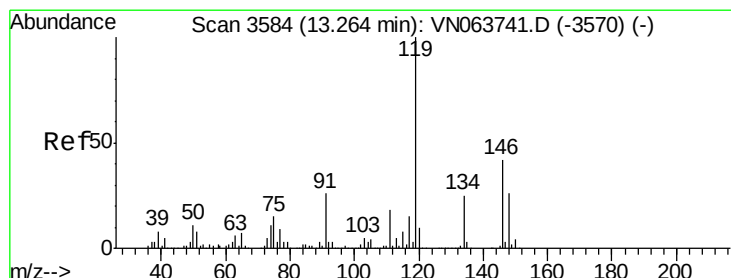
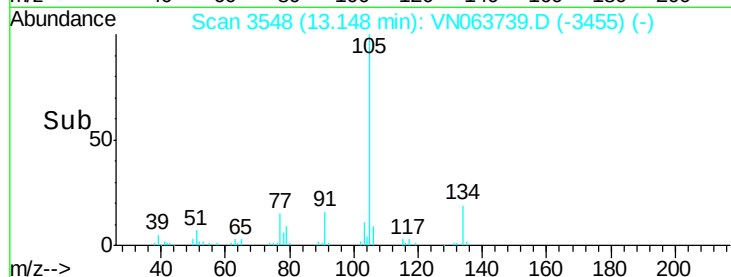
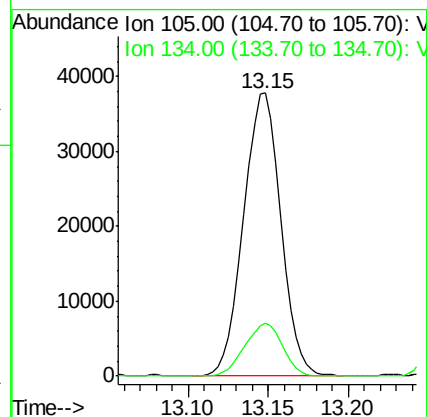
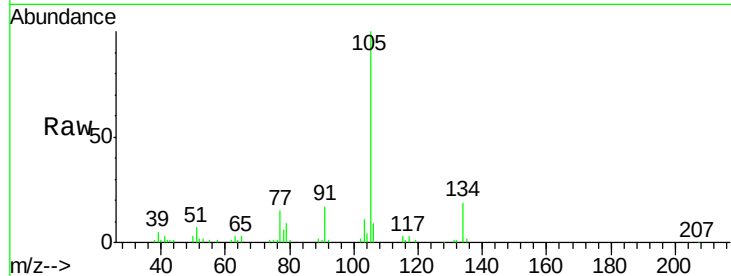
Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5

Manual Integrations
APPROVED

MMDadoda
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#86

p-Isopropyltoluene

Concen: 4.313 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

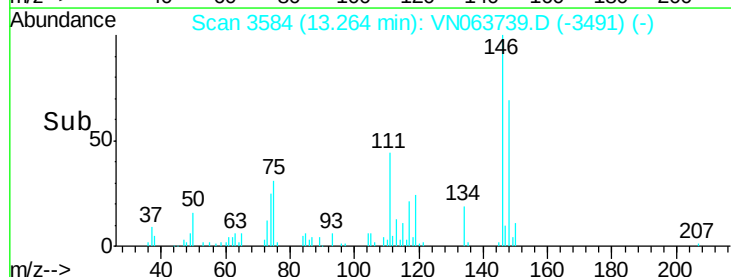
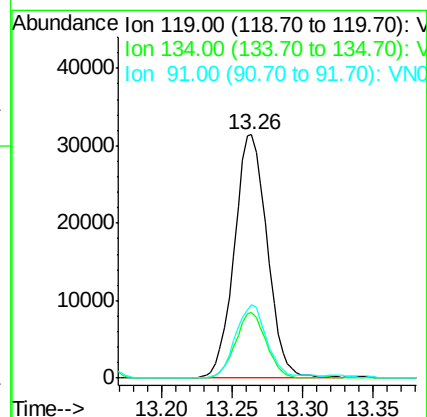
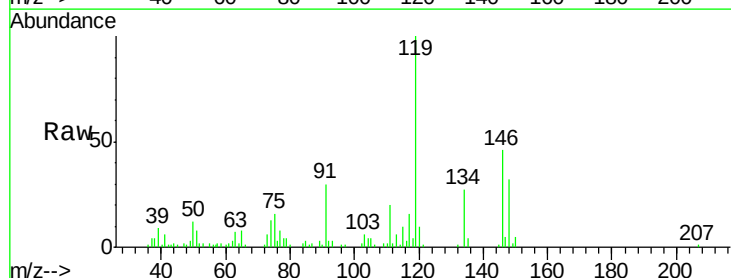
Tgt Ion:119 Resp: 51472

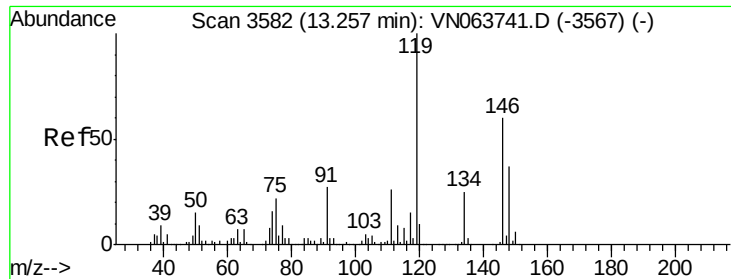
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.8

91 28.6 13.4 40.2





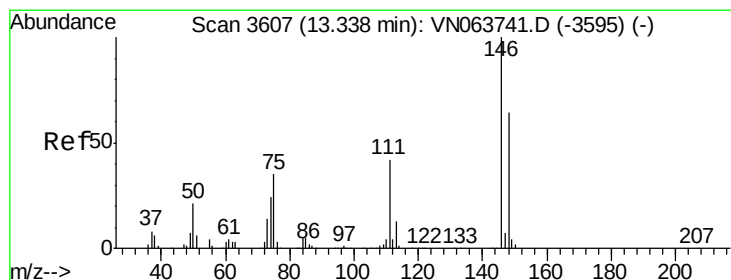
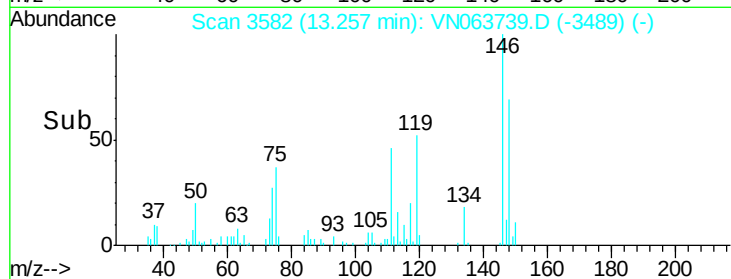
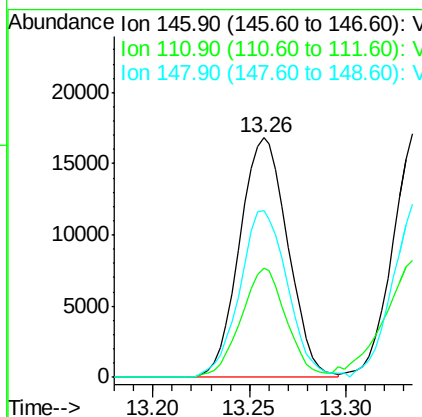
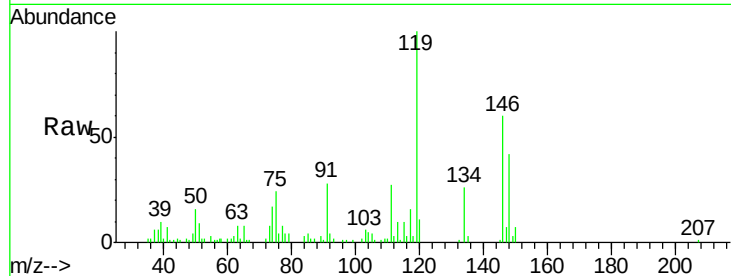
#87
 1,3-Dichlorobenzene
 Concen: 4.713 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.5	64.5
148	69.2	31.1	93.3

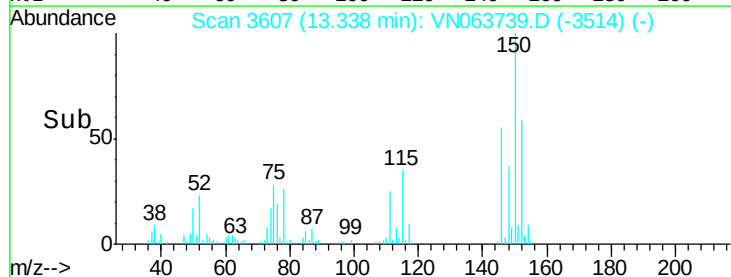
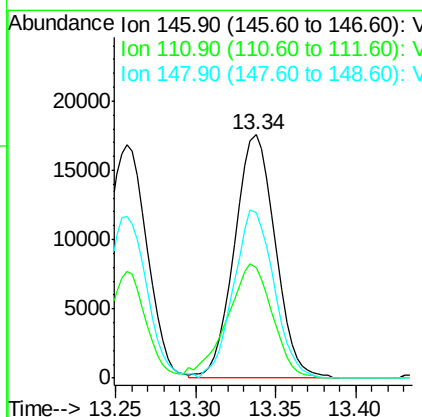
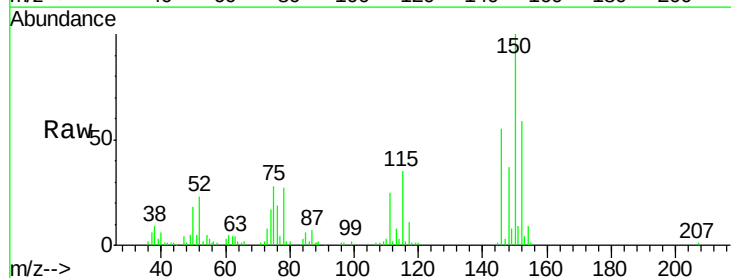
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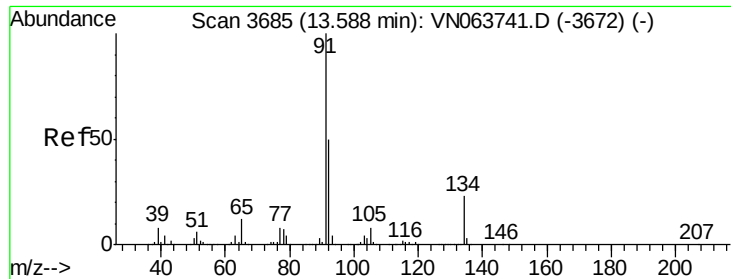
MMDadoda
 10/1/2020 2:39:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.886 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.3	21.3	63.7
148	68.2	32.0	96.0





#89

n-Butylbenzene

Concen: 4.136 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

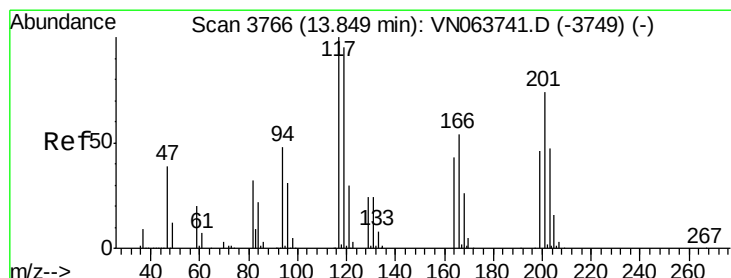
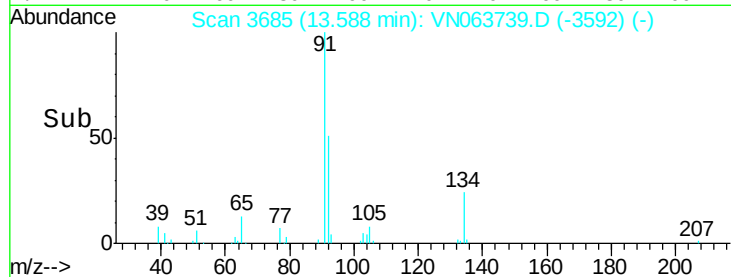
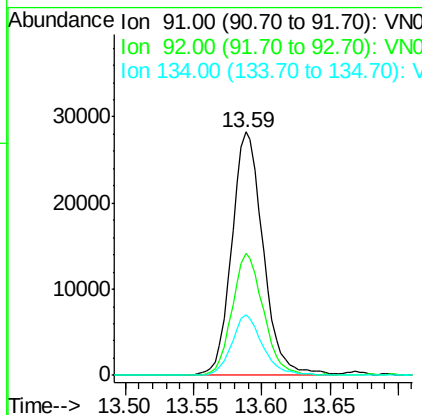
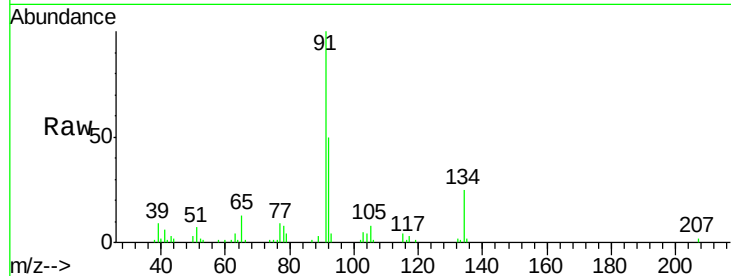
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	45297
Ion	Ratio	Lower	Upper
91	100		
92	49.7	25.4	76.4
134	24.2	11.7	35.1

Manual Integrations
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10/1/2020 2:39:50 PM



#90

Hexachloroethane

Concen: 4.498 ug/l

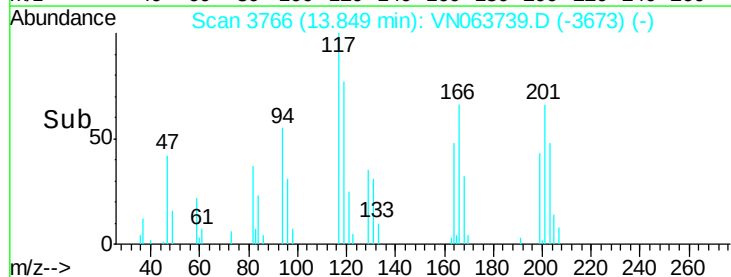
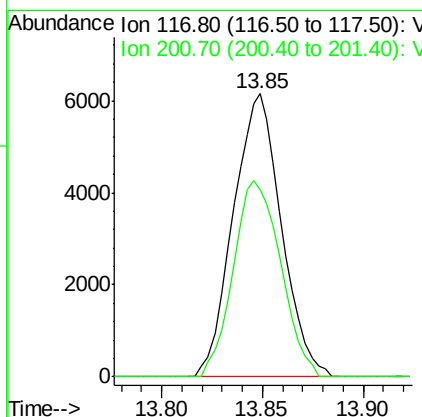
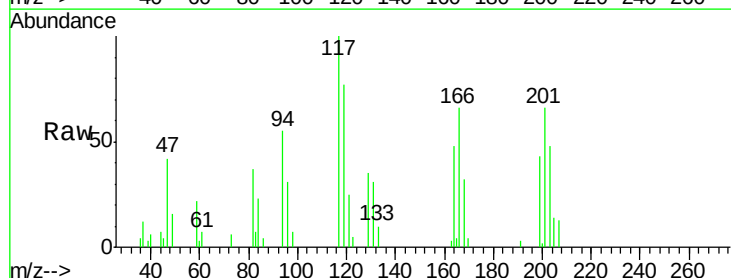
RT: 13.85 min Scan# 3766

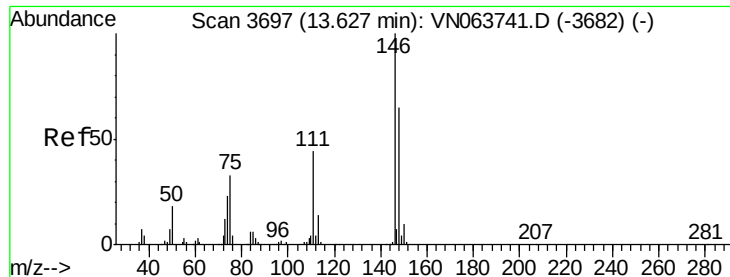
Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion:	117	Resp:	10263
Ion	Ratio	Lower	Upper
117	100		
201	68.3	36.0	108.0





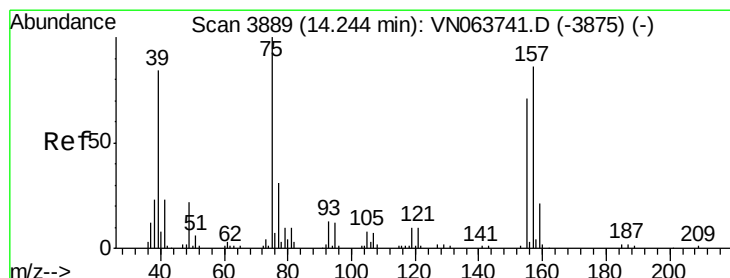
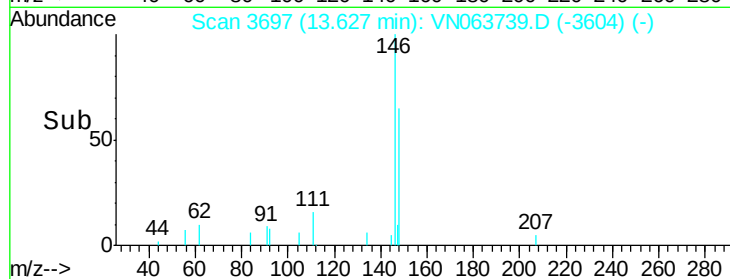
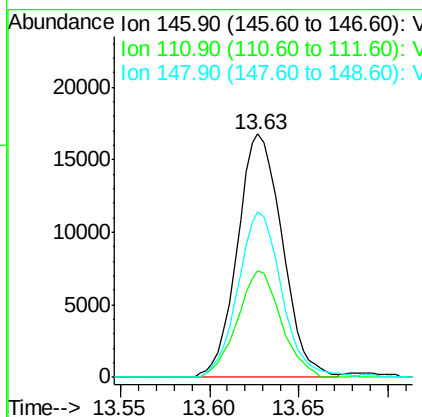
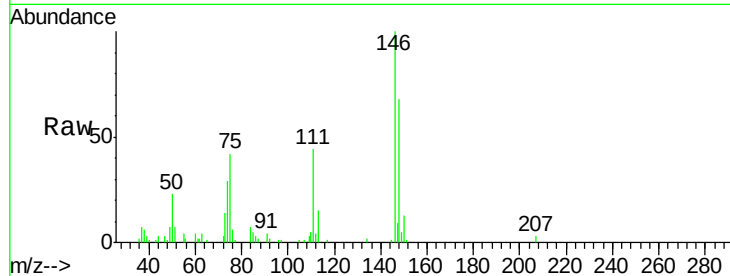
#91
 1,2-Dichlorobenzene
 Concen: 4.868 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	146	Resp:	29411
Ion Ratio	Lower	Upper	
146	100		
111	42.5	22.2	66.6
148	66.1	32.5	97.4

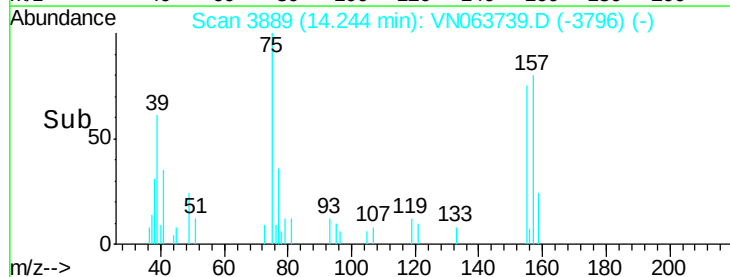
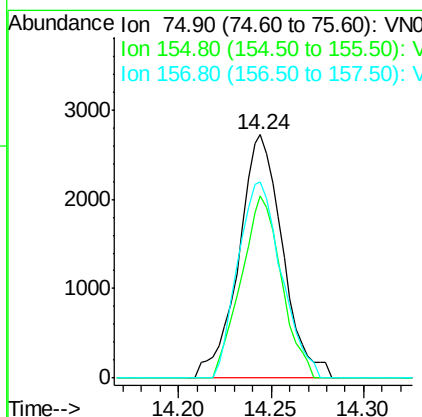
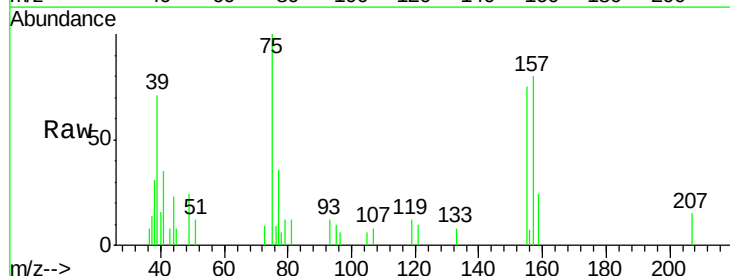
Manual Integrations
 APPROVED

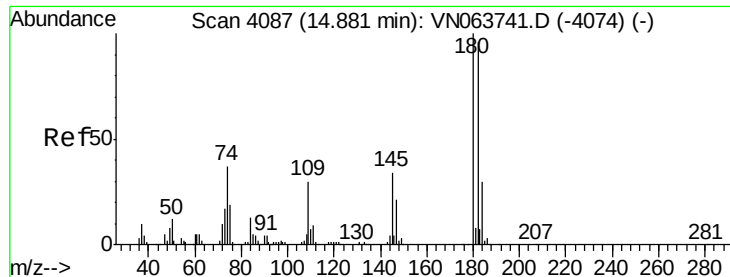
MMDadoda
 10/1/2020 2:39:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.173 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion:	75	Resp:	4485
Ion Ratio	Lower	Upper	
75	100		
155	68.9	34.8	104.5
157	80.0	43.7	131.1





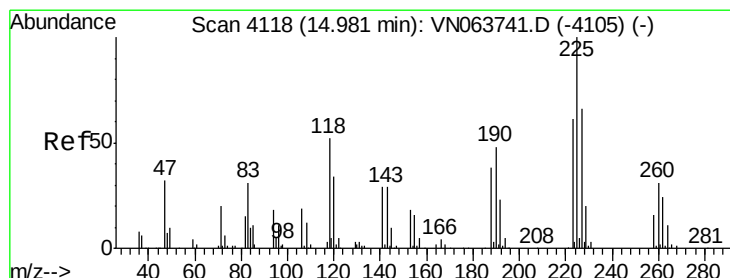
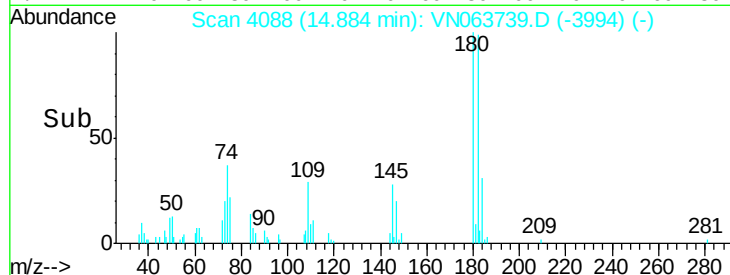
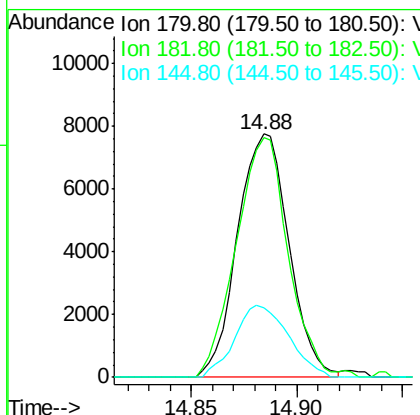
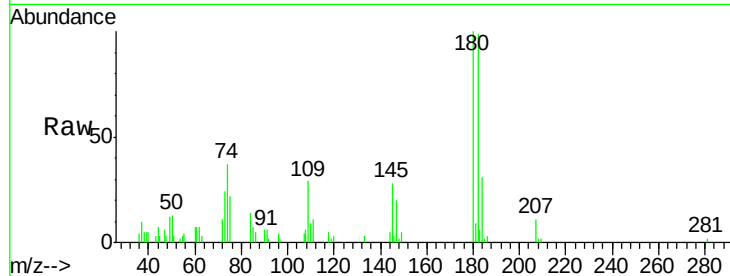
#93
 1,2,4-Trichlorobenzene
 Concen: 3.763 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	48.2	144.6
145	30.7	17.1	51.2

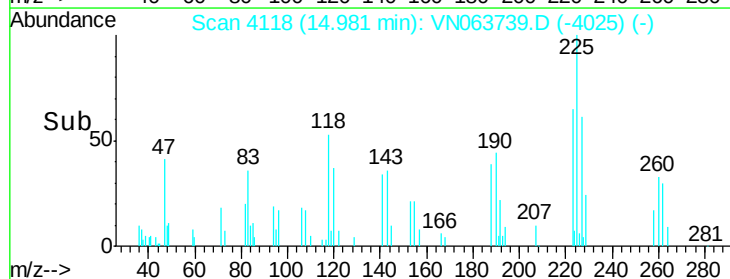
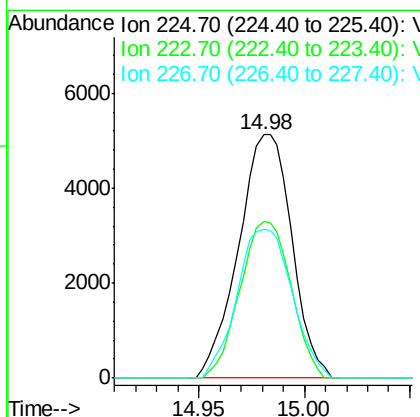
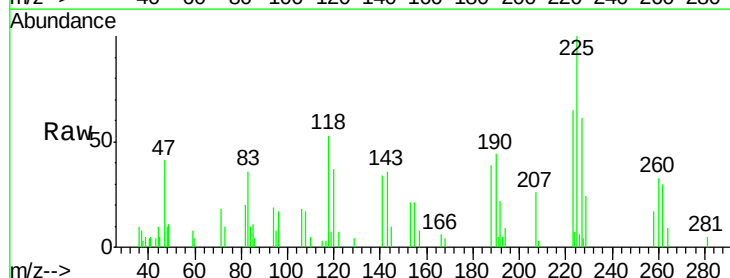
Manual Integrations
 APPROVED

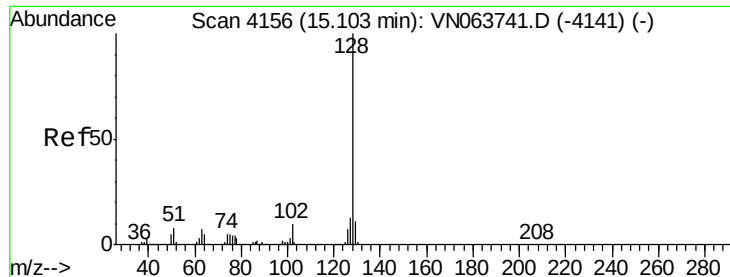
MMDadoda
 10/1/2020 2:39:50 PM



#94
 Hexachlorobutadiene
 Concen: 5.975 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.3	91.0
227	63.2	31.9	95.5





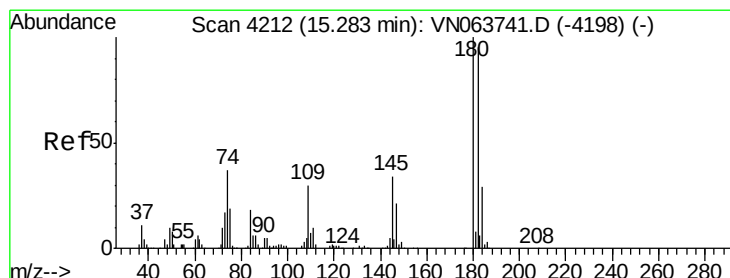
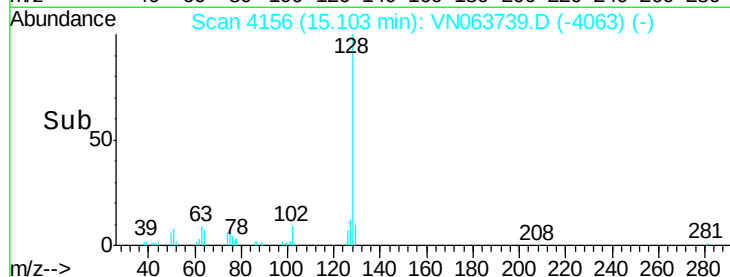
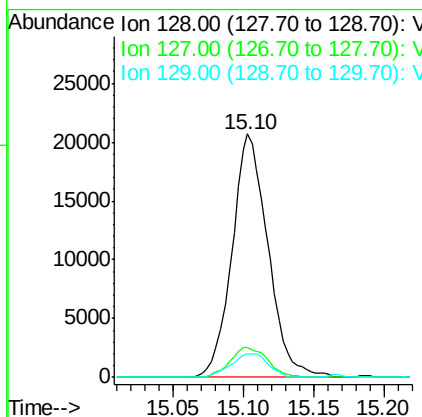
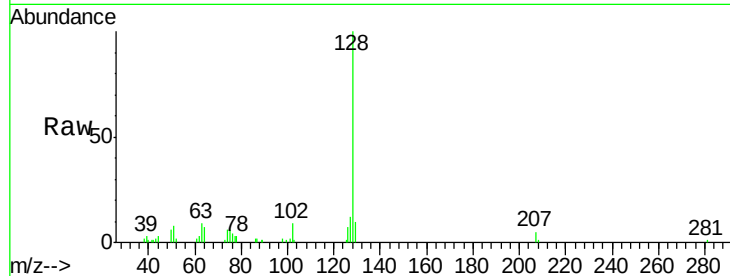
#95
Naphthalene
Concen: 3.217 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:128	Resp:	36841
Ion Ratio	Lower	Upper
128 100		
127 12.8	10.5	15.7
129 9.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:39:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 3.664 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion:180	Resp:	12384
Ion Ratio	Lower	Upper
180 100		
182 97.3	47.9	143.6
145 33.0	17.2	51.5

