

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001712.D
 Acq On : 20 Feb 2020 10:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:23:17 PM

Quant Time: Feb 21 08:09:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	214816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	376193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	337467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	159715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	109178	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.50%		
35) Dibromofluoromethane	7.75	113	98967	45.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.86%		
50) Toluene-d8	10.20	98	415848	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.52%		
62) 4-Bromofluorobenzene	12.49	95	151531	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.42%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	102066	48.743	ug/l	100
3) Chloromethane	2.13	50	129100	45.838	ug/l	99
4) Vinyl Chloride	2.27	62	130791	46.041	ug/l	99
5) Bromomethane	2.67	94	83305	46.921	ug/l	100
6) Chloroethane	2.82	64	80150	45.786	ug/l	100
7) Trichlorofluoromethane	3.16	101	171994	47.306	ug/l	98
8) Diethyl Ether	3.56	74	64402	44.932	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	105208	46.038	ug/l	98
10) Methyl Iodide	4.13	142	130762	46.754	ug/l	99
11) Tert butyl alcohol	5.00	59	55640	203.105	ug/l	99
12) 1,1-Dichloroethene	3.91	96	105791	45.389	ug/l	96
13) Acrolein	3.77	56	57174	244.998	ug/l	100
14) Allyl chloride	4.52	41	192345	46.369	ug/l	98
15) Acrylonitrile	5.21	53	166972	227.273	ug/l	99
16) Acetone	3.98	43	198500	248.276	ug/l	96
17) Carbon Disulfide	4.23	76	348203	44.747	ug/l	100
18) Methyl Acetate	4.52	43	76993	44.220	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	295845	45.589	ug/l	98
20) Methylene Chloride	4.75	84	119559	42.100	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	119953	45.107	ug/l	99
22) Diisopropyl ether	6.16	45	390761	45.871	ug/l	96
23) Vinyl Acetate	6.10	43	1297835	233.563	ug/l	99
24) 1,1-Dichloroethane	6.06	63	208952	45.893	ug/l	99
25) 2-Butanone	7.02	43	264710	243.724	ug/l	98
26) 2,2-Dichloropropane	7.02	77	183683	46.370	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	132597	45.173	ug/l	99
28) Bromochloromethane	7.37	49	99334	52.374	ug/l	97
29) Tetrahydrofuran	7.38	42	149629	227.931	ug/l	99
30) Chloroform	7.54	83	200812	45.138	ug/l	99
31) Cyclohexane	7.82	56	215512	44.395	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	173918	46.514	ug/l	99
36) 1,1-Dichloropropene	7.95	75	168461	46.881	ug/l	99
37) Ethyl Acetate	7.11	43	98939	46.132	ug/l	99
38) Carbon Tetrachloride	7.93	117	151332	47.947	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	224281	47.047	ug/l	98
40) Benzene	8.19	78	491351	46.493	ug/l	100
41) Methacrylonitrile	7.36	41	58908m	54.703	ug/l	
42) 1,2-Dichloroethane	8.27	62	135066	46.912	ug/l	100
43) Isopropyl Acetate	8.30	43	192636	47.339	ug/l	100
44) Trichloroethene	8.96	130	123713	46.893	ug/l	96
45) 1,2-Dichloropropane	9.24	63	125945	47.585	ug/l	99
46) Dibromomethane	9.33	93	64632	46.688	ug/l	98
47) Bromodichloromethane	9.52	83	157592	47.168	ug/l	100
48) Methyl methacrylate	9.31	41	86765	47.145	ug/l	99
49) 1,4-Dioxane	9.32	88	17725	906.541	ug/l	98
51) 4-Methyl-2-Pentanone	10.09	43	507370	242.672	ug/l	98
52) Toluene	10.26	92	310378	47.083	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	176121	47.683	ug/l	100
54) cis-1,3-Dichloropropene	9.95	75	201185	47.326	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	96195	47.125	ug/l	97
56) Ethyl methacrylate	10.52	69	147081	48.030	ug/l	98
57) 1,3-Dichloropropane	10.81	76	171553	47.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	267645	230.946	ug/l	100
59) 2-Hexanone	10.85	43	395634	252.200	ug/l	98
60) Dibromochloromethane	11.00	129	107049	47.567	ug/l	99
61) 1,2-Dibromoethane	11.10	107	91810	47.568	ug/l	98
64) Tetrachloroethene	10.74	164	97855	46.191	ug/l	98
65) Chlorobenzene	11.53	112	315228	46.787	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	106312	46.777	ug/l	99
67) Ethyl Benzene	11.61	91	596429	47.702	ug/l	100
68) m/p-Xylenes	11.72	106	443622	94.984	ug/l	99
69) o-Xylene	12.04	106	209709	47.229	ug/l	100
70) Styrene	12.06	104	365128	47.316	ug/l	99
71) Bromoform	12.22	173	61575	47.408	ug/l #	98
73) Isopropylbenzene	12.35	105	574182	47.190	ug/l	100
74) N-amyl acetate	12.16	43	182819	47.080	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	120971	46.563	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	87745m	47.892	ug/l	
77) Bromobenzene	12.62	156	122220	46.337	ug/l	99
78) n-propylbenzene	12.68	91	705168	47.586	ug/l	99
79) 2-Chlorotoluene	12.77	91	388225	46.710	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	478388	47.497	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	46487	48.137	ug/l	94
82) 4-Chlorotoluene	12.86	91	413944	47.222	ug/l	100
83) tert-Butylbenzene	13.09	119	404951	48.072	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	476691	47.473	ug/l	100
85) sec-Butylbenzene	13.27	105	589688	47.597	ug/l	100
86) p-Isopropyltoluene	13.38	119	512042	47.575	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	236924	46.315	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	238567	46.136	ug/l	99
89) n-Butylbenzene	13.70	91	524940	47.732	ug/l	99
90) Hexachloroethane	13.97	117	96744	47.708	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	219533	46.503	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	20323	47.400	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	142175	45.446	ug/l	99
94) Hexachlorobutadiene	15.12	225	70165	45.098	ug/l	100
95) Naphthalene	15.25	128	331611	45.973	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	124627	45.281	ug/l	98

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

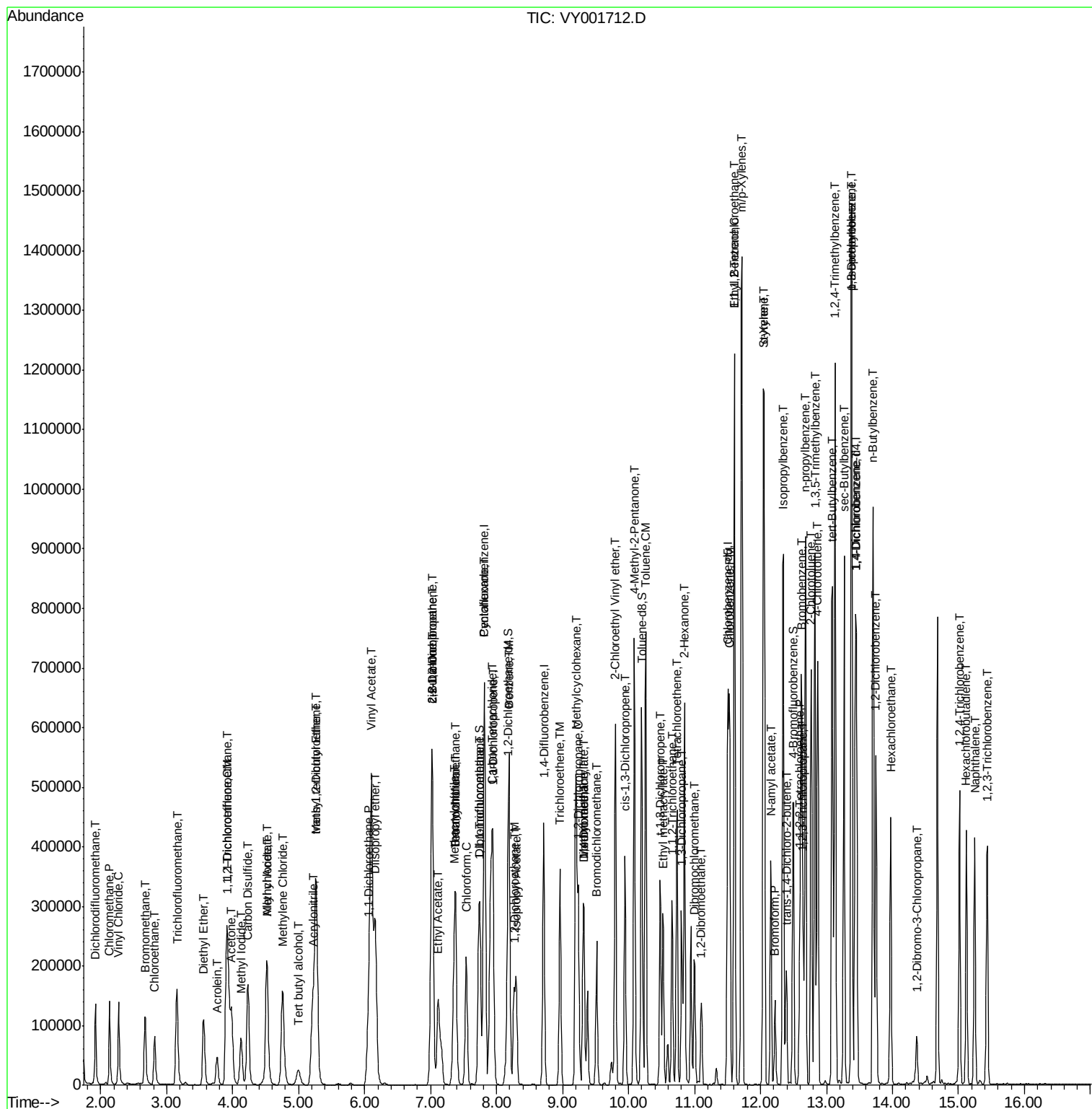
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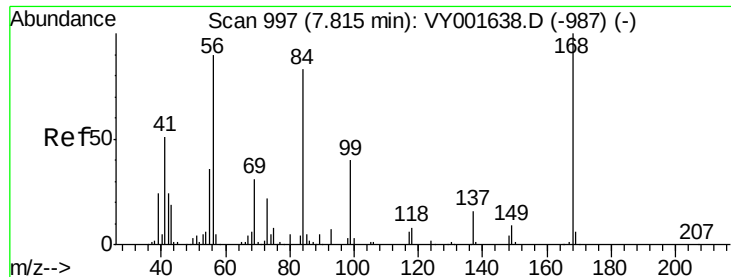
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 214816

Ion Ratio Lower Upper

168 100

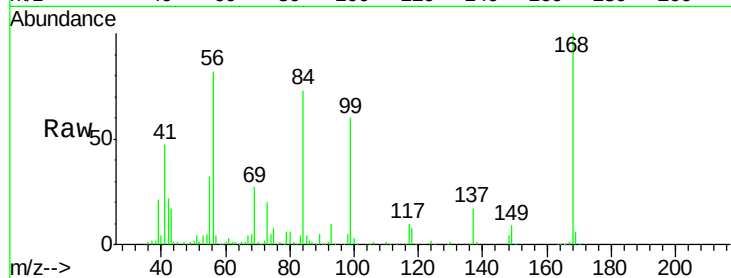
99 60.2 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001712.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001712.D (-948) (-)

7.82

100000

80000

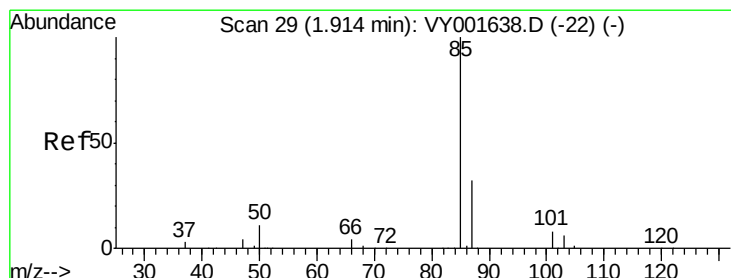
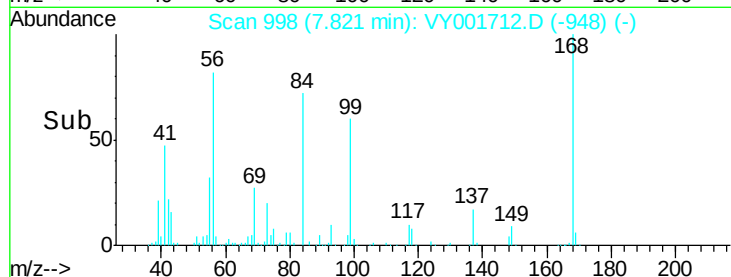
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.743 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001712.D

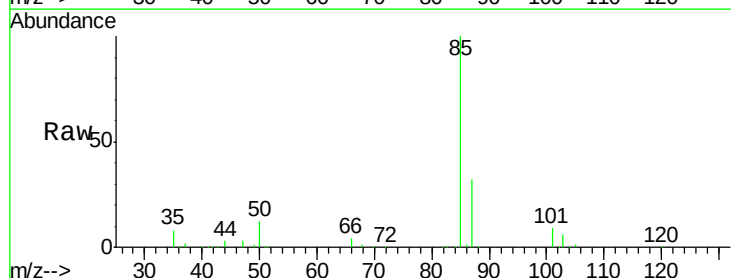
Acq: 20 Feb 2020 10:19

Tgt Ion: 85 Resp: 102066

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001712.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001712.D (-1) (-)

1.92

80000

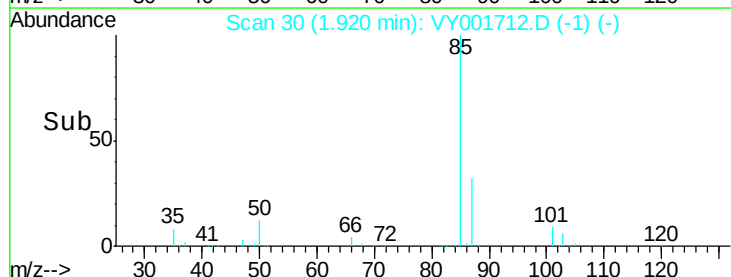
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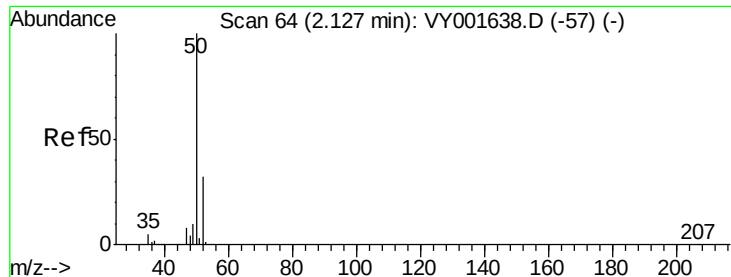
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20000

0

Time-->





#3

Chloromethane

Concen: 45.838 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 129100

Ion Ratio Lower Upper

50 100

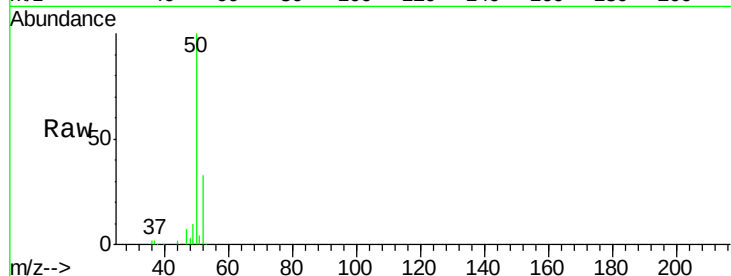
52 32.8 25.8 38.6

Manual Integrations

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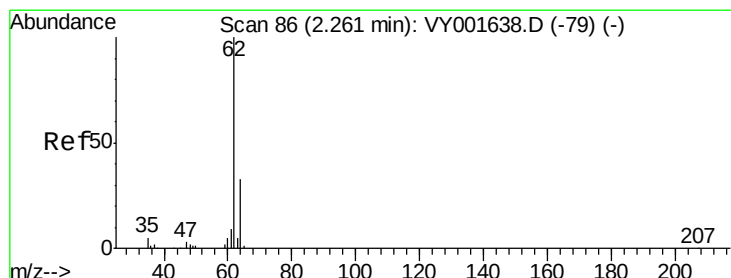
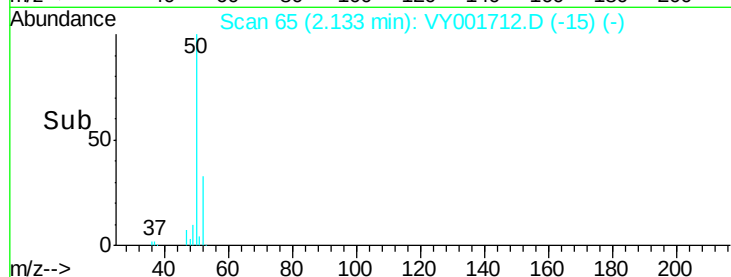
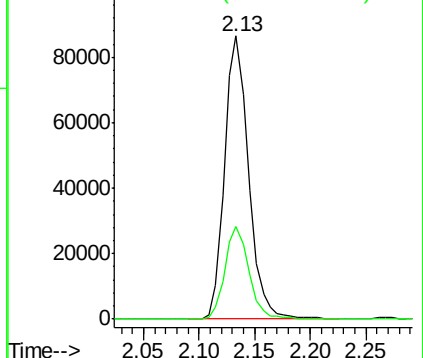
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 46.041 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001712.D

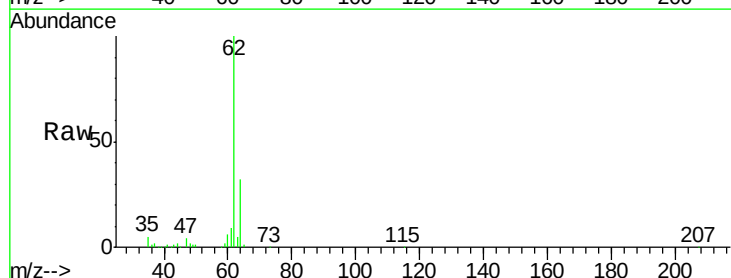
Acq: 20 Feb 2020 10:19

Tgt Ion: 62 Resp: 130791

Ion Ratio Lower Upper

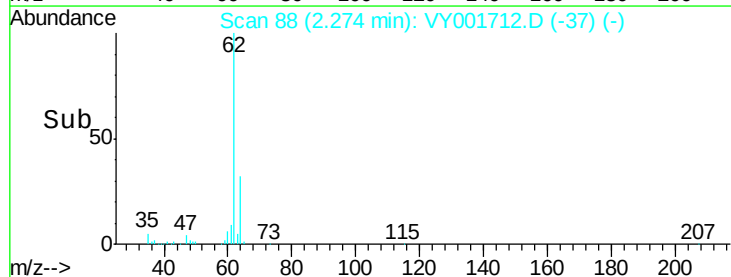
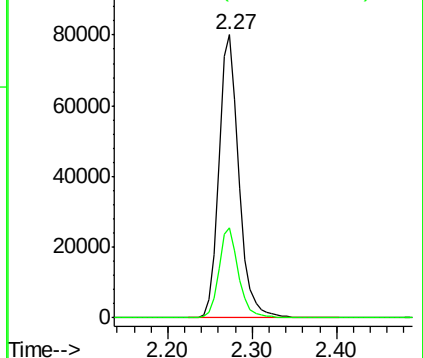
62 100

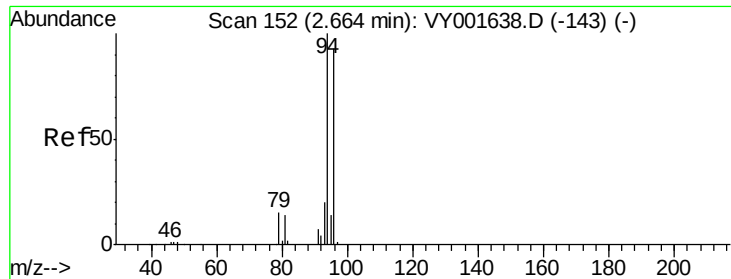
64 31.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 46.921 ug/l

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001712.D

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Tot Ion: 94 Resp: 83305

Ion Ratio Lower Upper

94 100

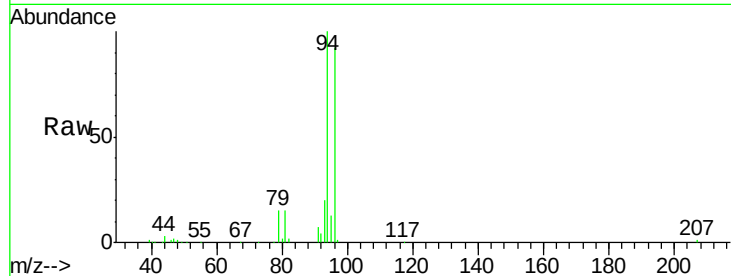
96 91.7 73.7 110.5

Manual Integrations

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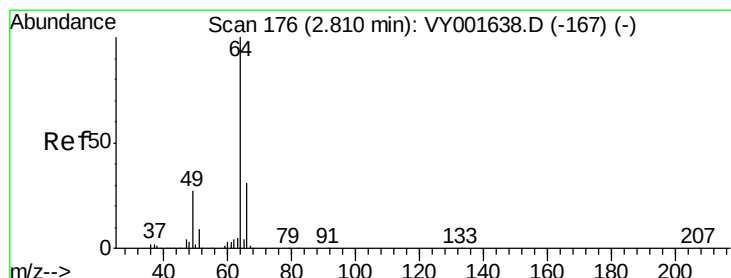
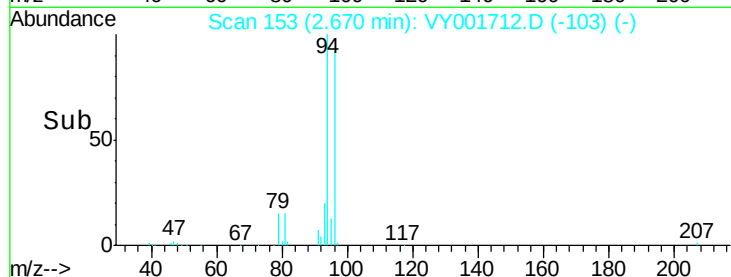
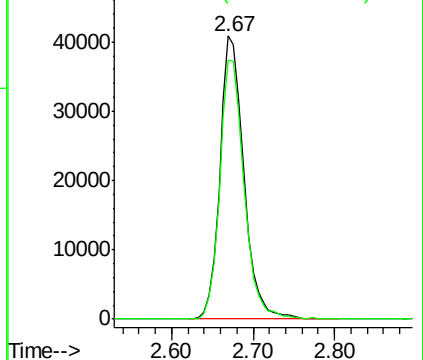
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.786 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001712.D

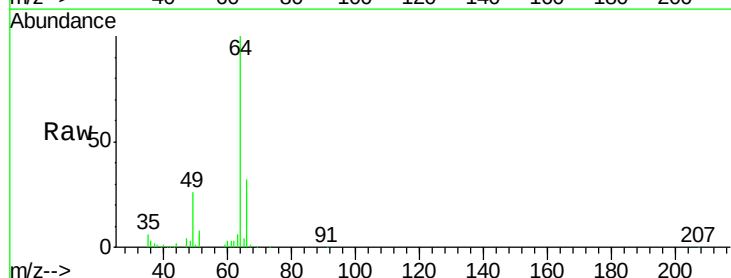
Acq: 20 Feb 2020 10:19

Tgt Ion: 64 Resp: 80150

Ion Ratio Lower Upper

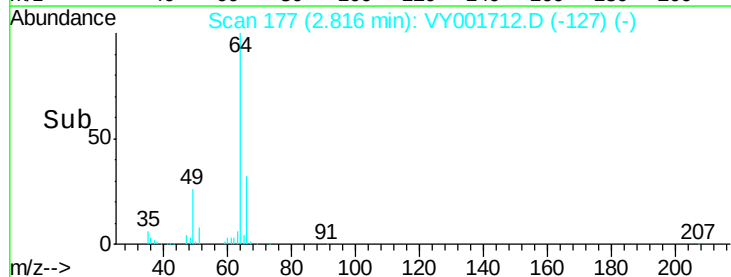
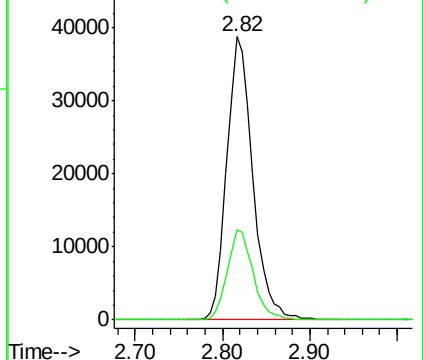
64 100

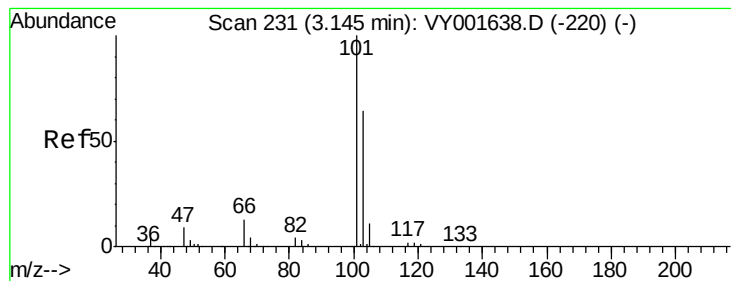
66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

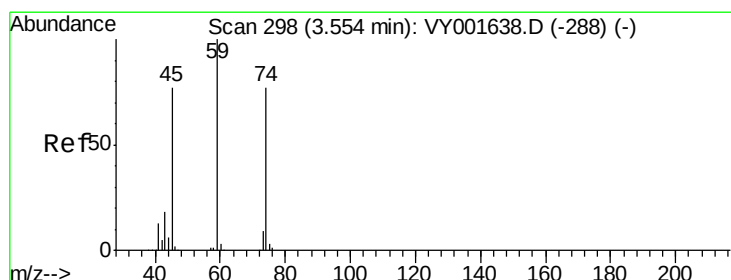
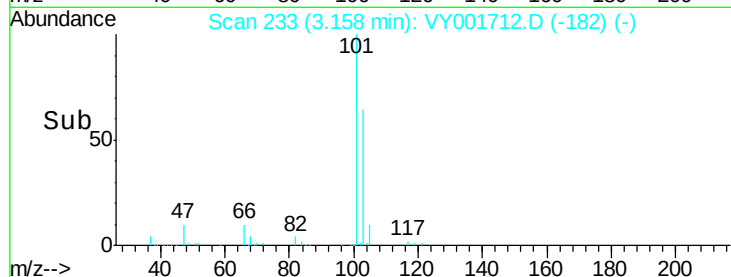
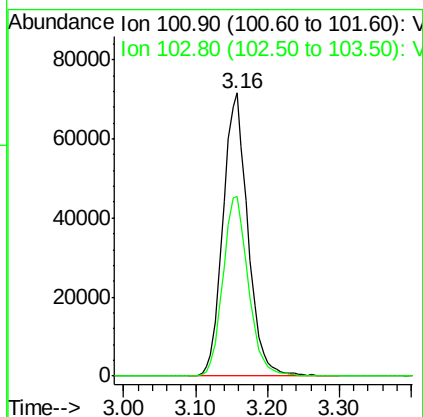
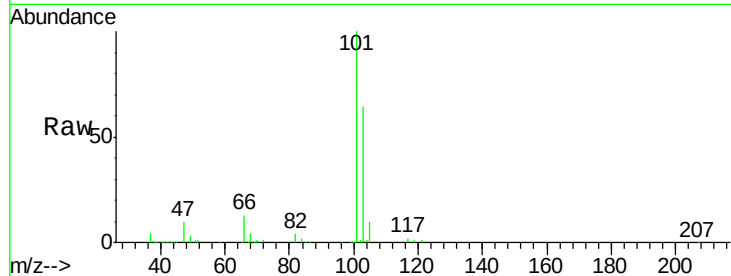
Trichlorofluoromethane
Concen: 47.306 ug/l
RT: 3.16 min Scan# 233
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.2

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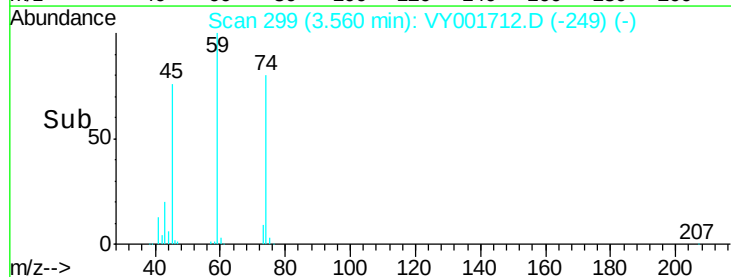
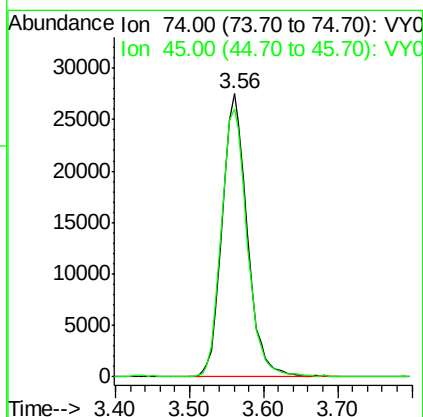
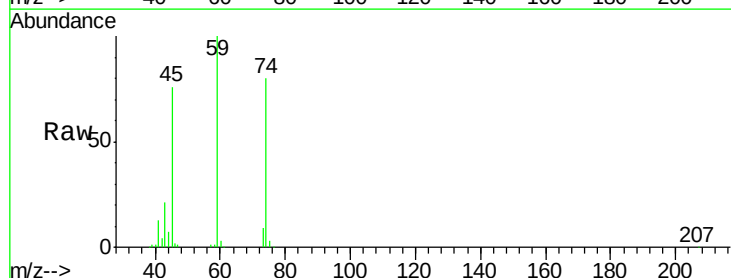
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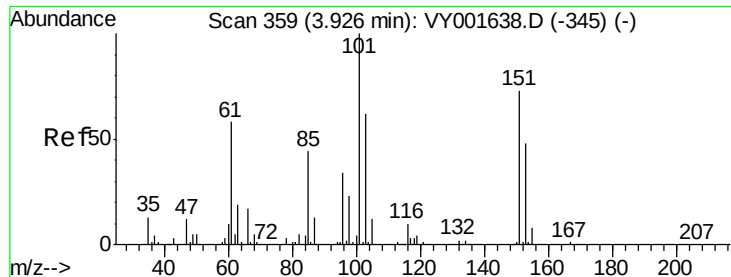


#8

Diethyl Ether
Concen: 44.932 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.038 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

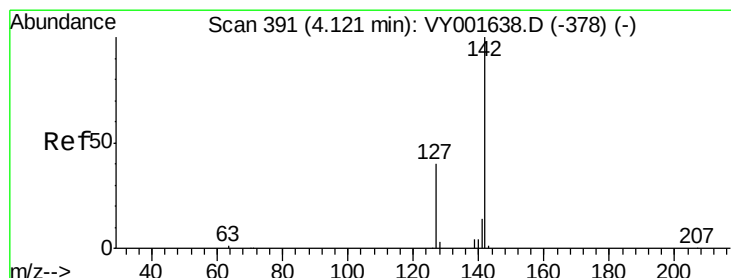
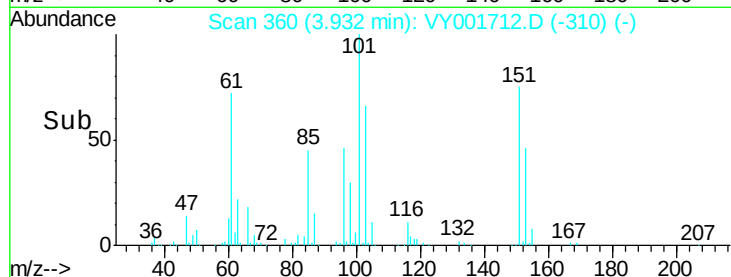
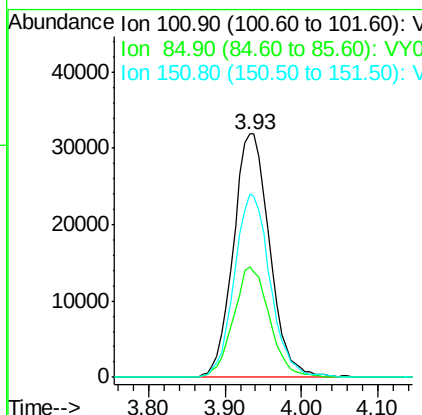
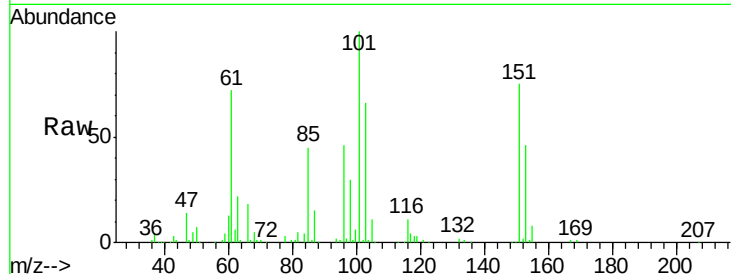
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	105208
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.1	52.7
151	74.4	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 46.754 ug/l

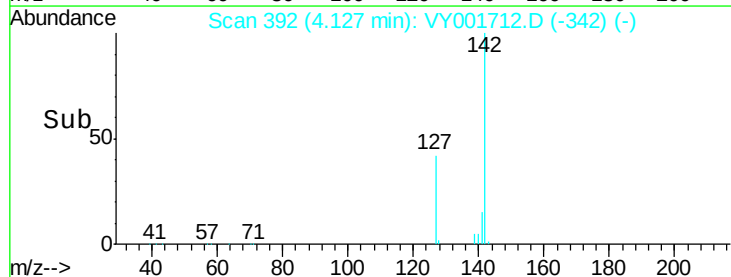
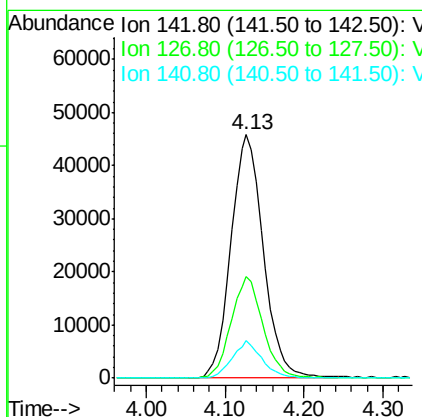
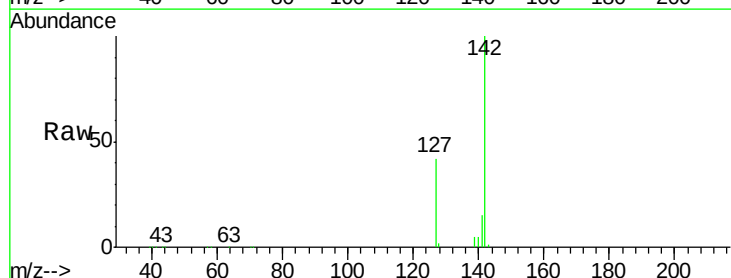
RT: 4.13 min Scan# 392

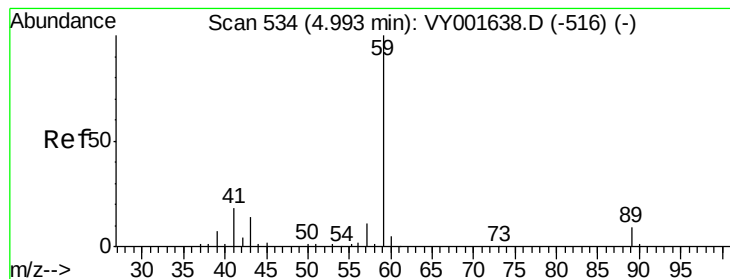
Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Tgt Ion:	142	Resp:	130762
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.1	48.1
141	14.2	11.3	16.9





#11

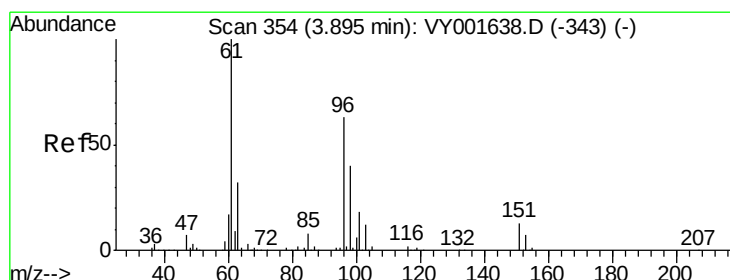
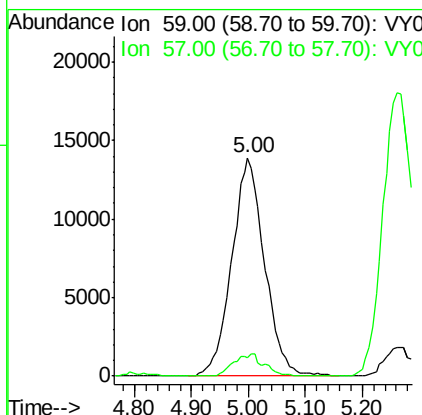
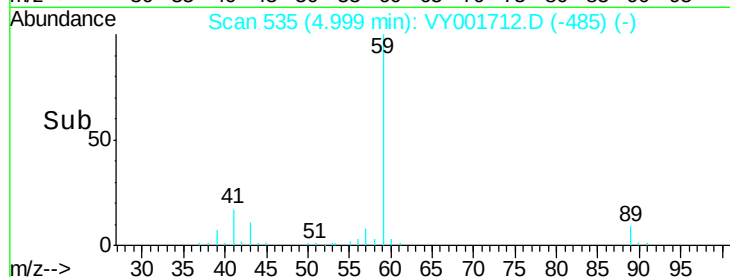
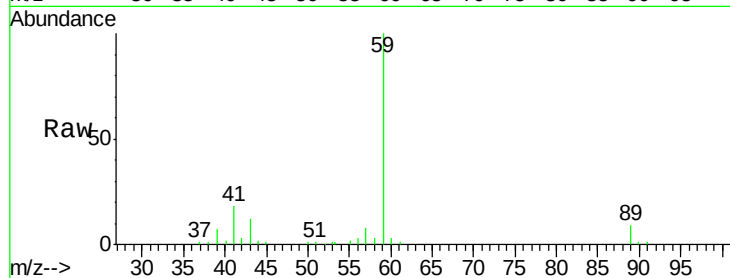
Tert butyl alcohol
Concen: 203.105 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.4	11.2

Manual Integrations
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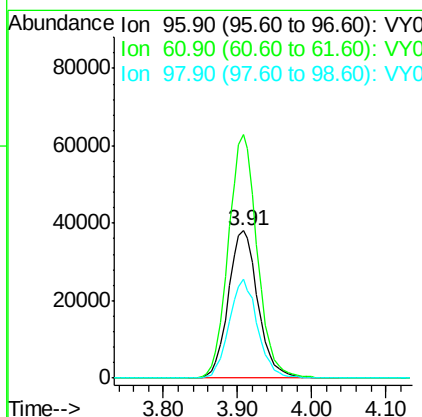
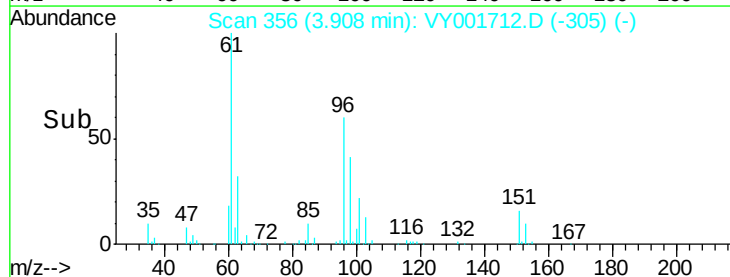
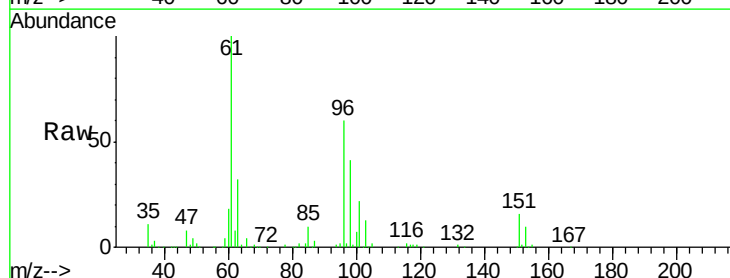
MMDadoda
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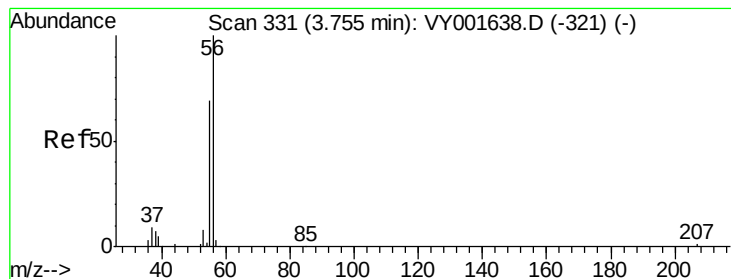


#12

1,1-Dichloroethene
Concen: 45.389 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	128.7	193.1
98	67.5	50.7	76.1





#13

Acrolein

Concen: 244.998 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57174

Ion Ratio Lower Upper

56 100

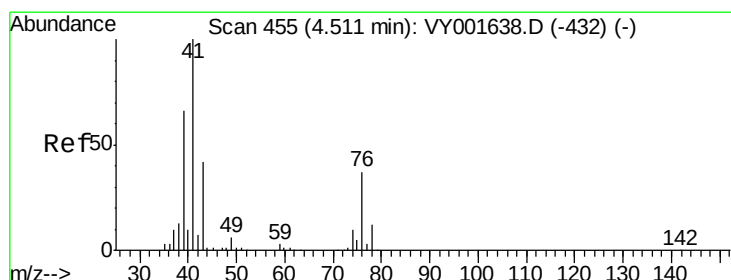
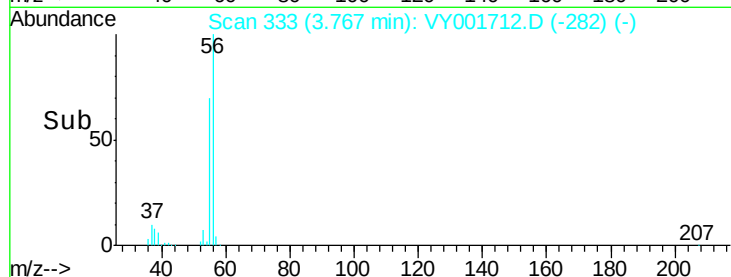
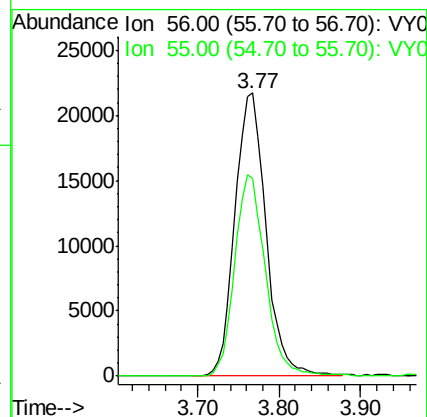
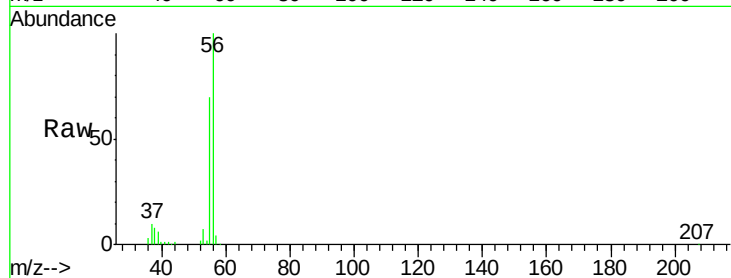
55 70.1 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 46.369 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

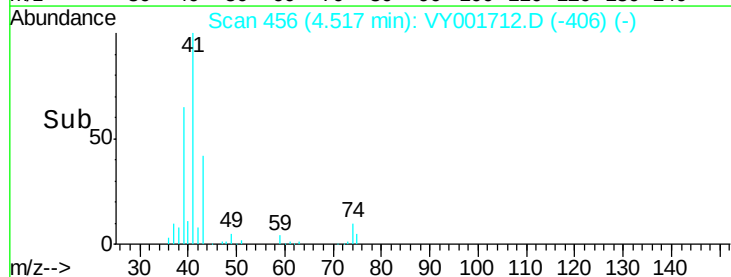
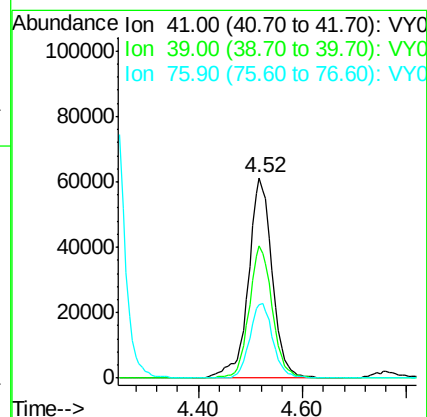
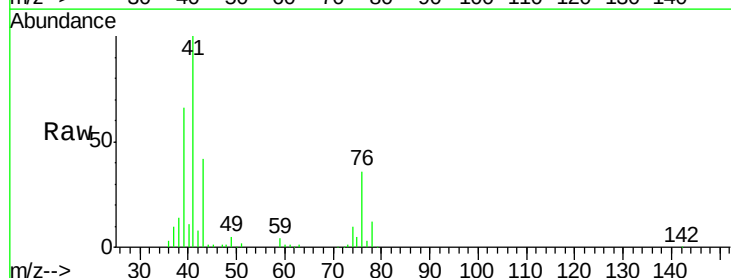
Tgt Ion: 41 Resp: 192345

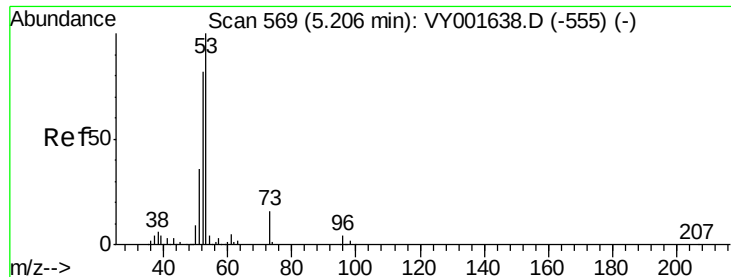
Ion Ratio Lower Upper

41 100

39 64.1 49.4 74.0

76 36.0 29.0 43.6





#15

Acrylonitrile

Concen: 227.273 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

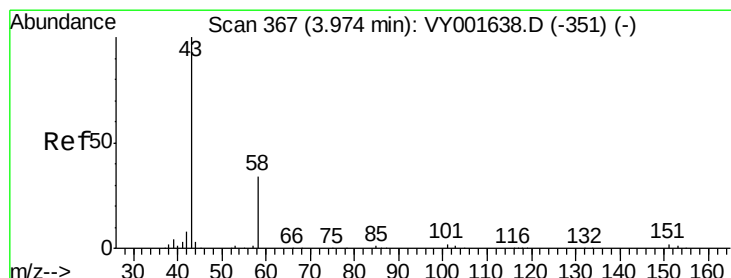
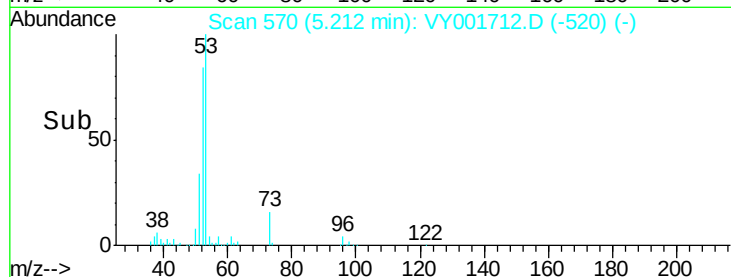
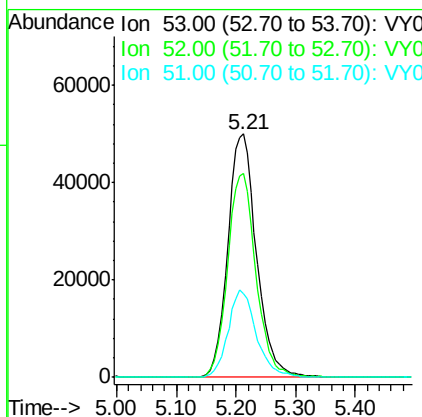
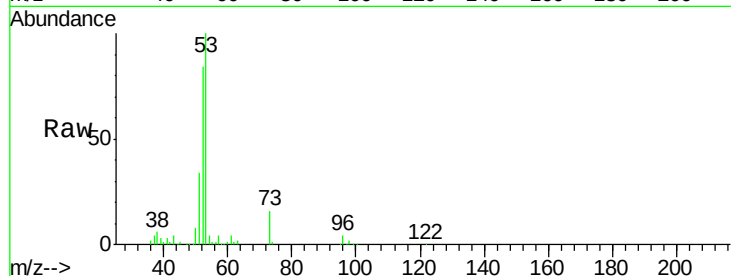
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	166972
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.4	98.0
51	35.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 248.276 ug/l

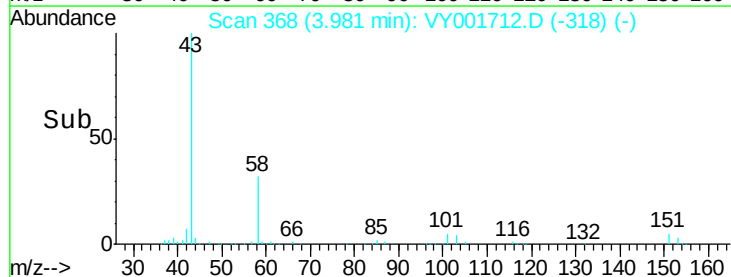
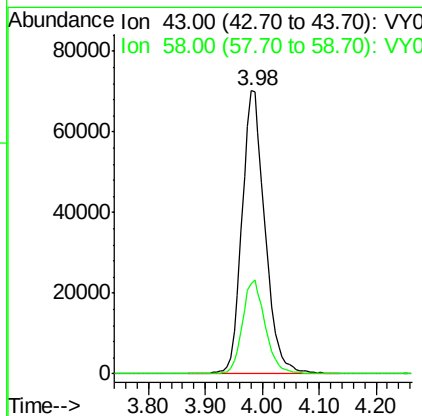
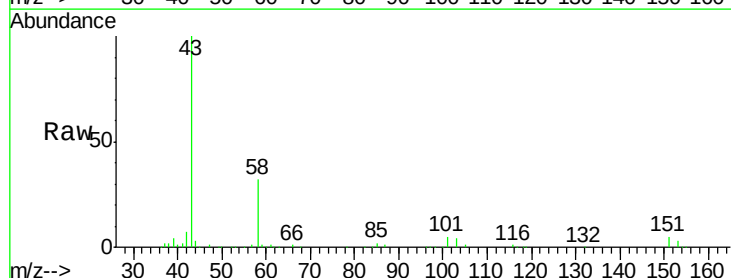
RT: 3.98 min Scan# 368

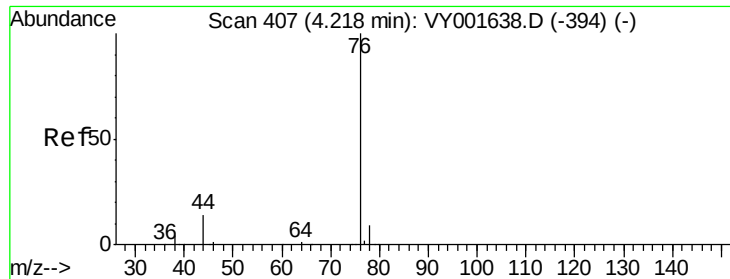
Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Tgt Ion:	43	Resp:	198500
Ion Ratio	Lower	Upper	
43	100		
58	31.9	27.3	40.9





#17

Carbon Disulfide

Concen: 44.747 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Tot Ion: 76 Resp: 348203

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

Instrument :

MSVOA_Y

ClientSampleId :

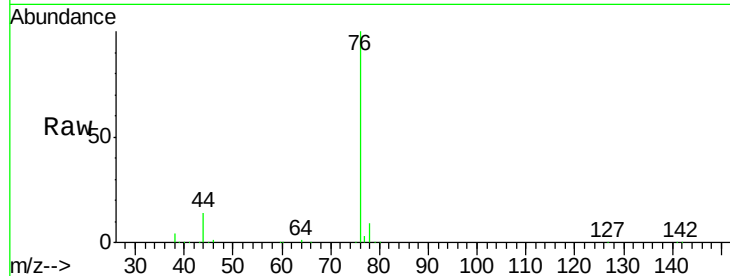
VSTDCCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY001712.D (-358) (-)

Ion 77.90 (77.60 to 78.60): VY001712.D (-358) (-)

4.23

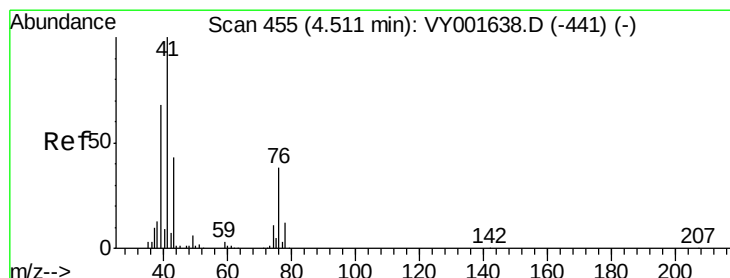
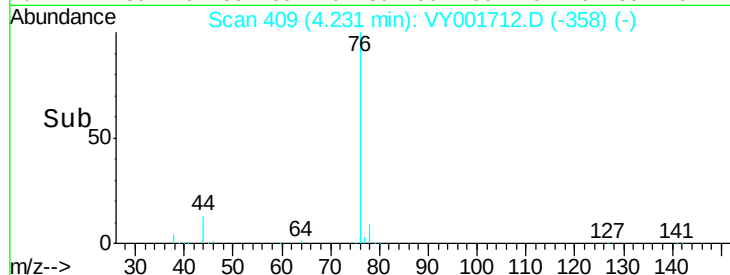
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.220 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001712.D

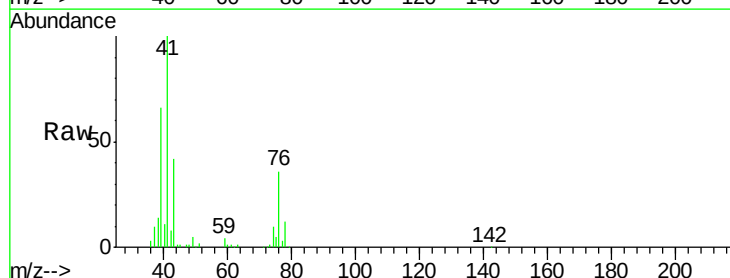
Acq: 20 Feb 2020 10:19

Tgt Ion: 43 Resp: 76993

Ion Ratio Lower Upper

43 100

74 23.2 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY001712.D (-406) (-)

Ion 74.00 (73.70 to 74.70): VY001712.D (-406) (-)

4.52

30000

25000

20000

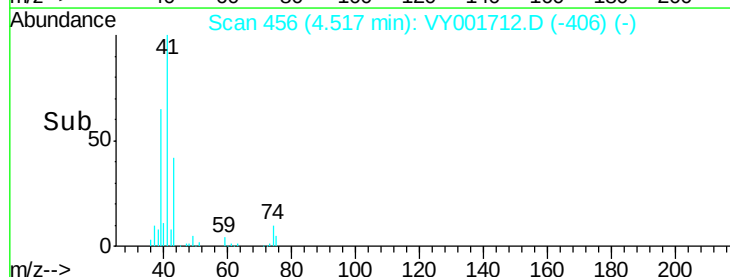
15000

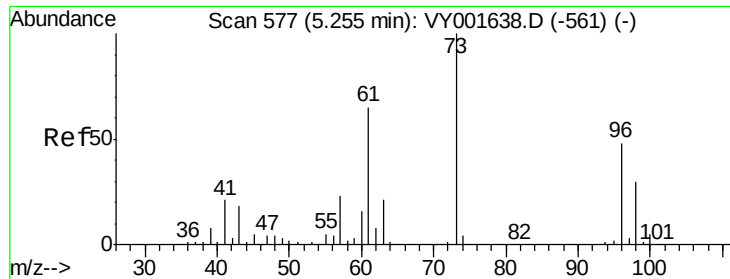
10000

5000

0

Time-->





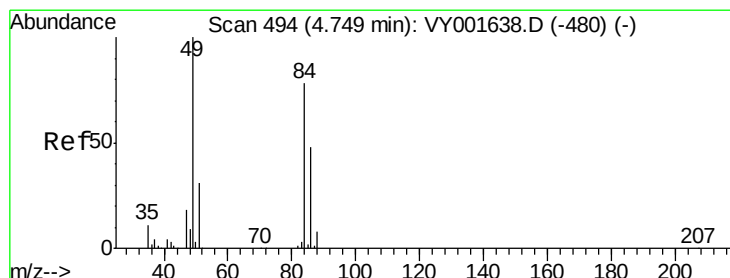
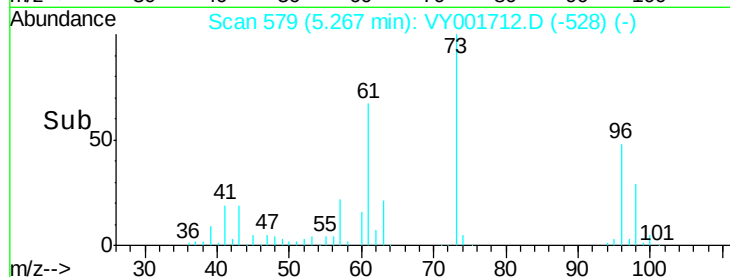
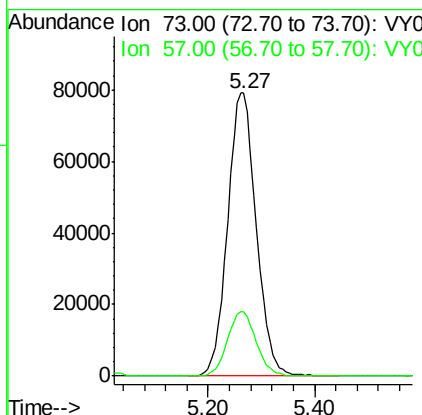
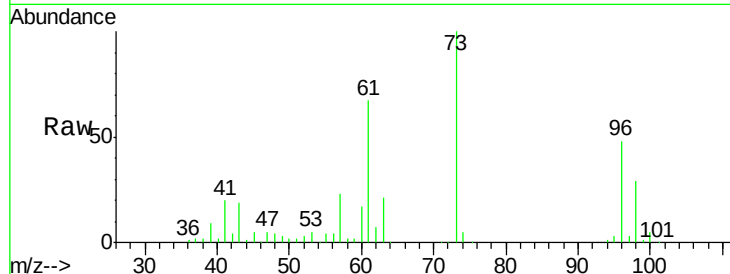
#19
Methyl tert-butyl Ether
Concen: 45.589 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 295845
Ion Ratio Lower Upper
73 100
57 22.7 19.0 28.6

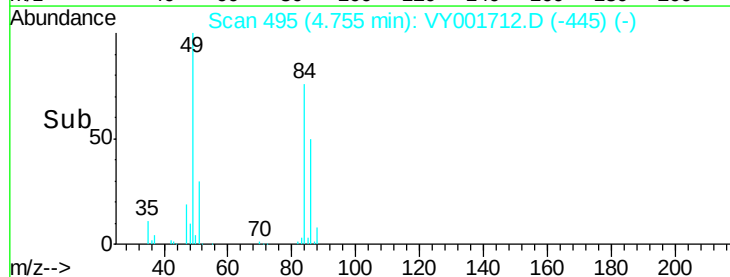
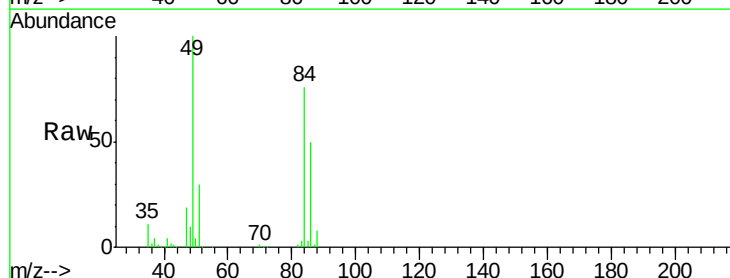
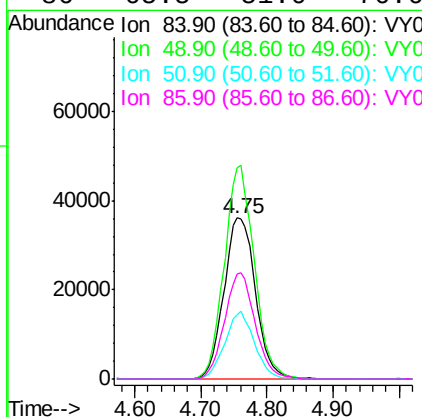
Manual Integrations
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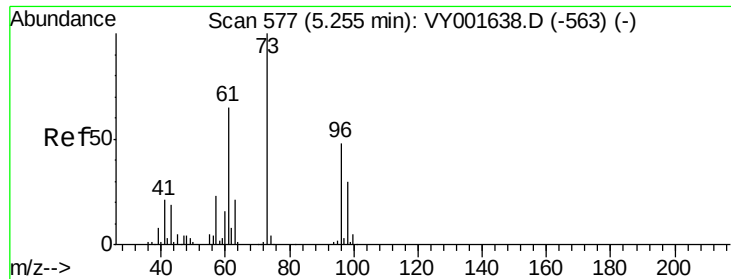
MMDadoda
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#20
Methylene Chloride
Concen: 42.100 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion: 84 Resp: 119559
Ion Ratio Lower Upper
84 100
49 130.8 99.2 148.8
51 39.8 31.5 47.3
86 65.5 51.0 76.6





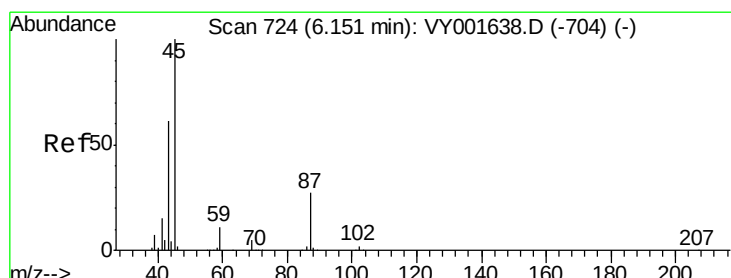
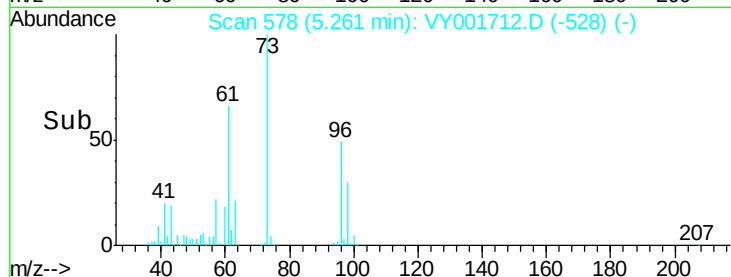
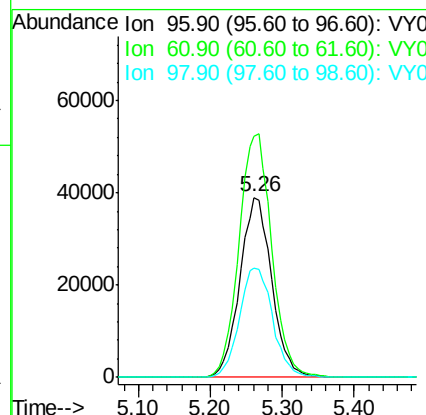
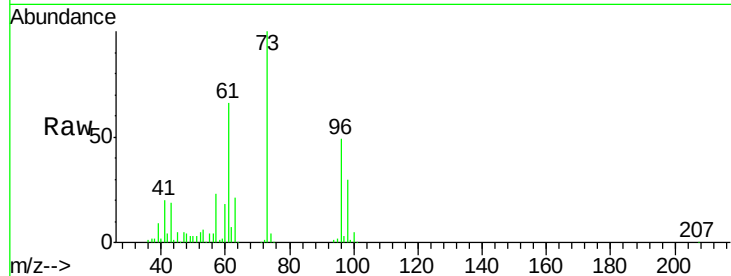
#21
trans-1,2-Dichloroethene
Concen: 45.107 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	107.9	161.9
98	60.9	49.8	74.8

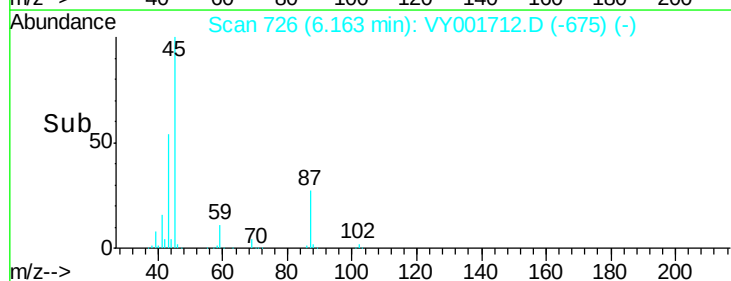
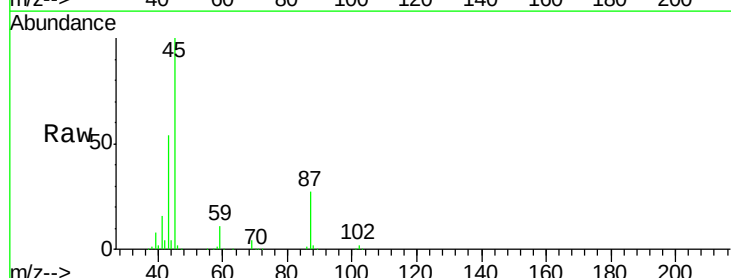
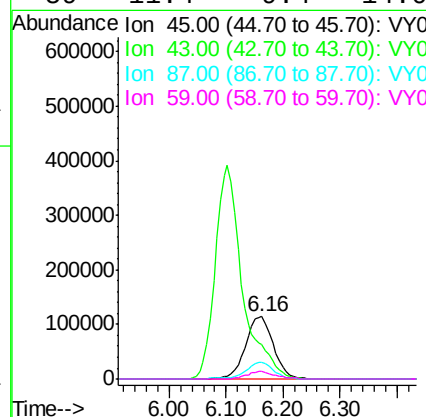
Manual Integrations
APPROVED

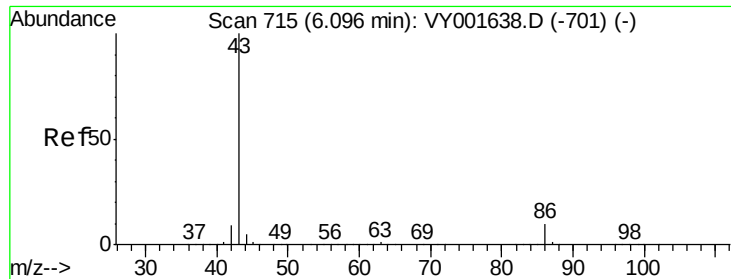
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#22
Diisopropyl ether
Concen: 45.871 ug/l
RT: 6.16 min Scan# 726
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.0	46.4	69.6
87	26.5	22.1	33.1
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 233.563 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1297835

Ion Ratio Lower Upper

43 100

86 10.4

8.8

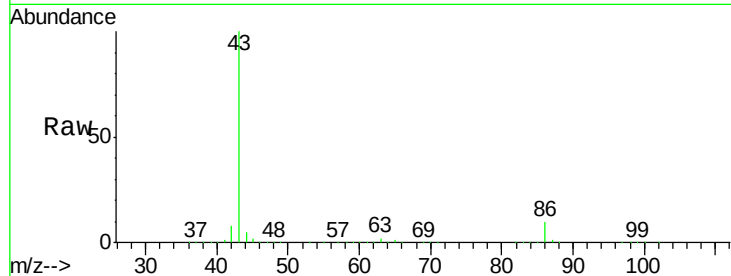
13.2

Manual Integrations

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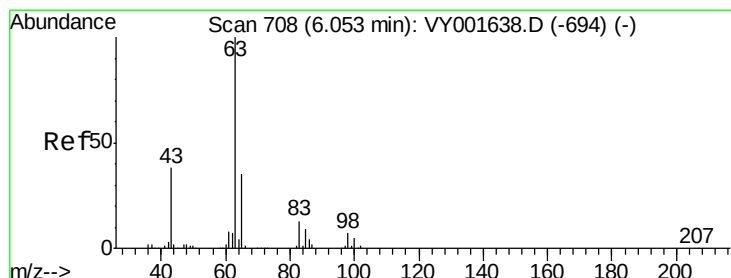
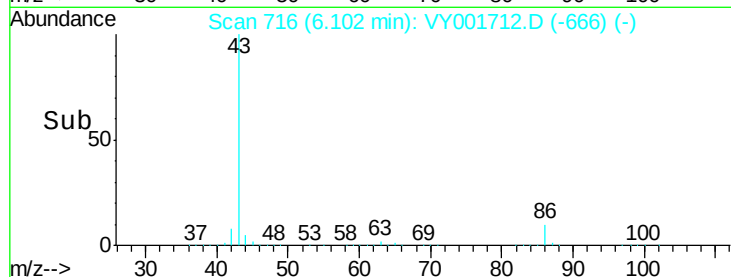
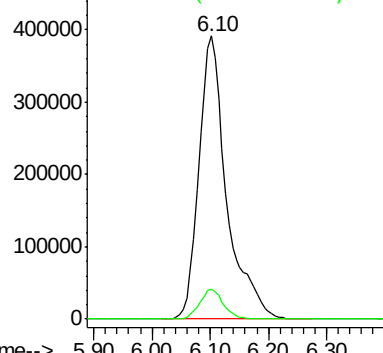
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 45.893 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Tgt Ion: 63 Resp: 208952

Ion Ratio Lower Upper

63 100

98 7.6

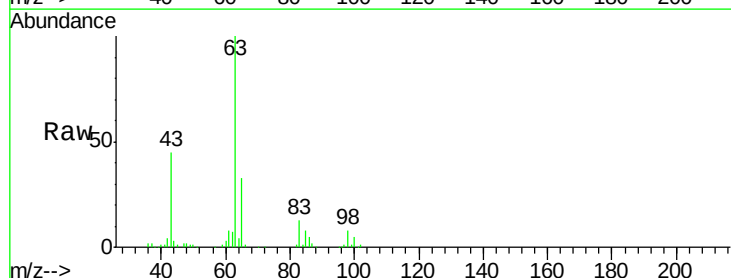
3.4

10.2

100 4.6

2.3

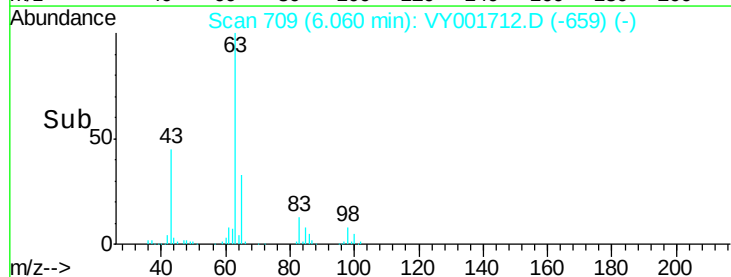
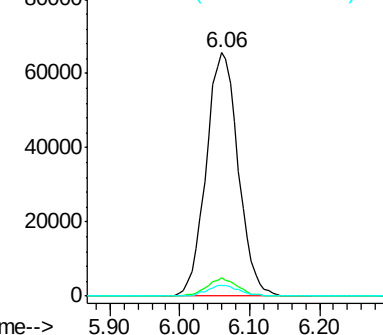
6.9

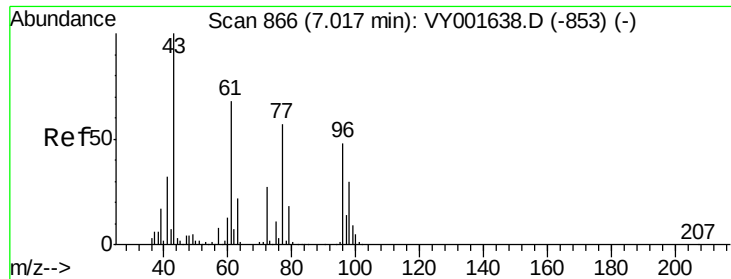


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 243.724 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 264710

Ion Ratio Lower Upper

43 100

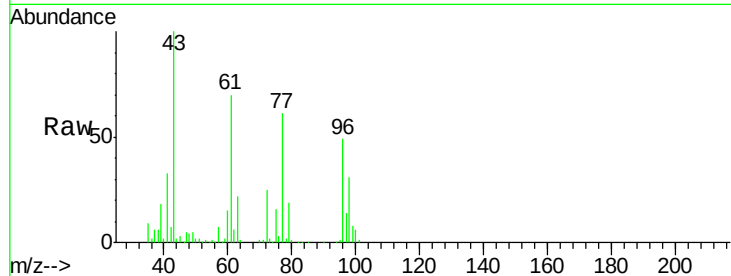
72 25.5 21.2 31.8

Manual Integrations

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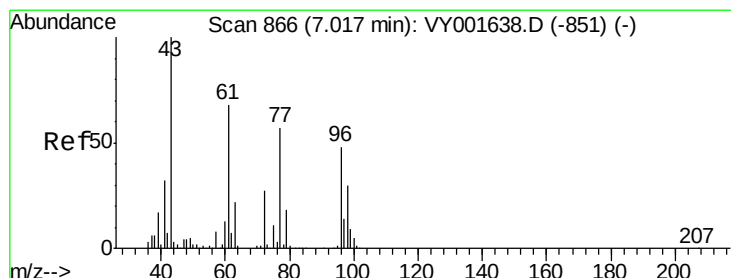
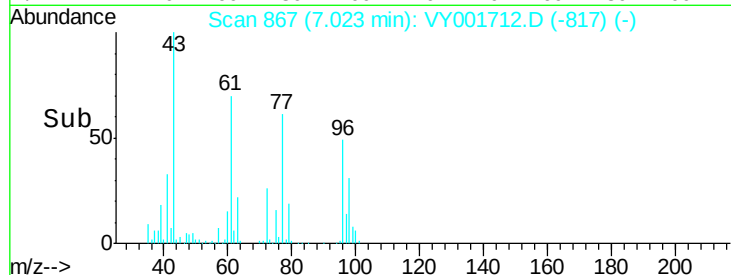
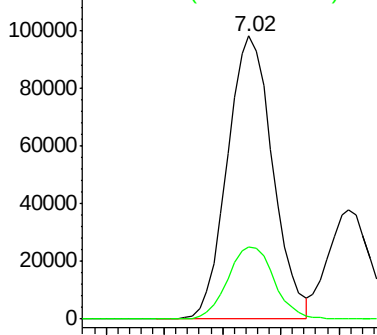
MMDadoda

2/21/2020 3:23:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 46.370 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001712.D

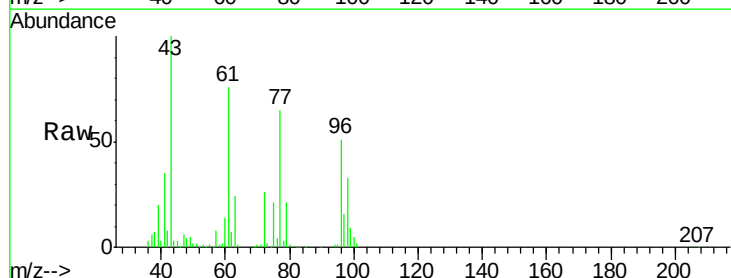
Acq: 20 Feb 2020 10:19

Tgt Ion: 77 Resp: 183683

Ion Ratio Lower Upper

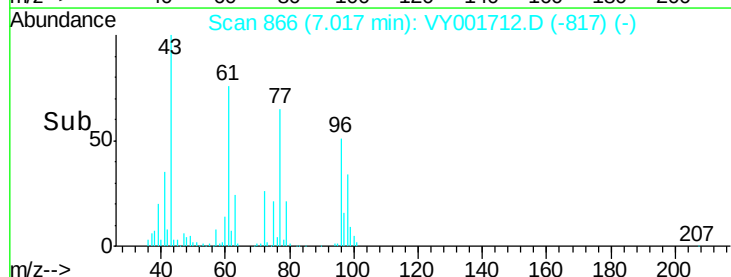
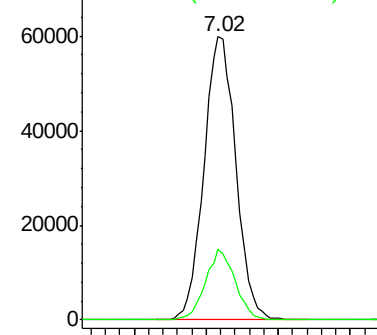
77 100

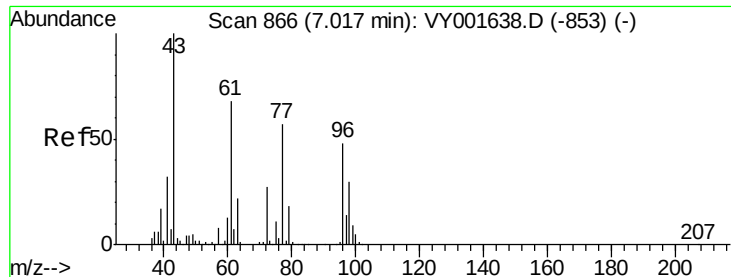
97 23.0 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

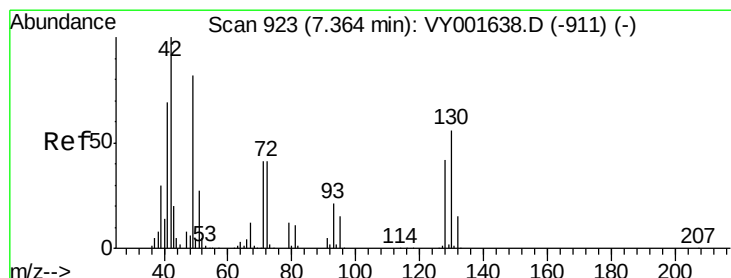
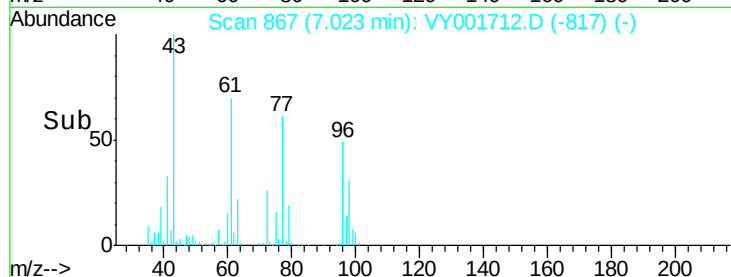
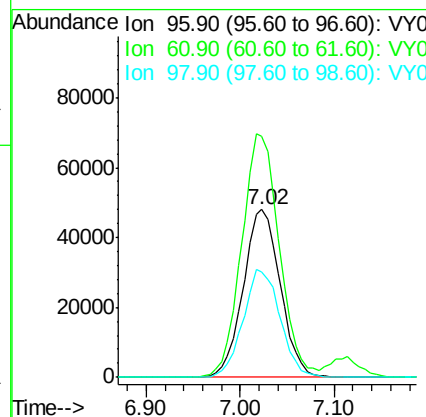
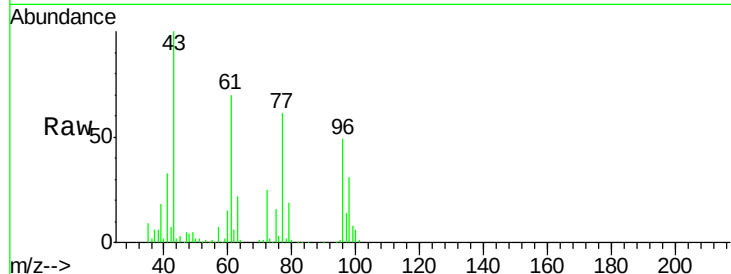
cis-1,2-Dichloroethene
Concen: 45.173 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	132597		
61	147.0		0.0	290.8
98	63.8		0.0	128.6

Manual Integrations
APPROVED

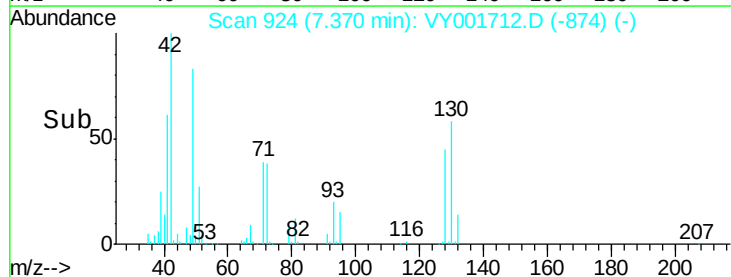
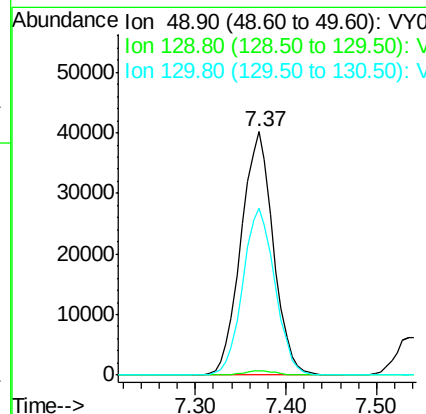
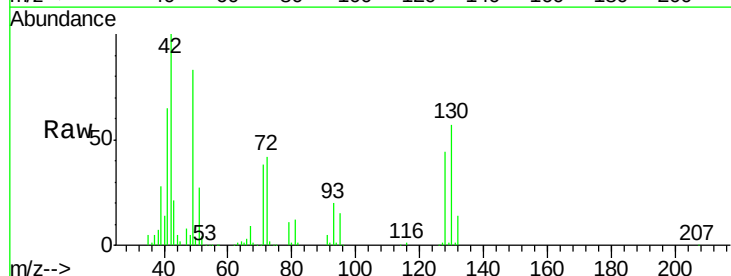
MMDadoda
2/21/2020 3:23:17 PM

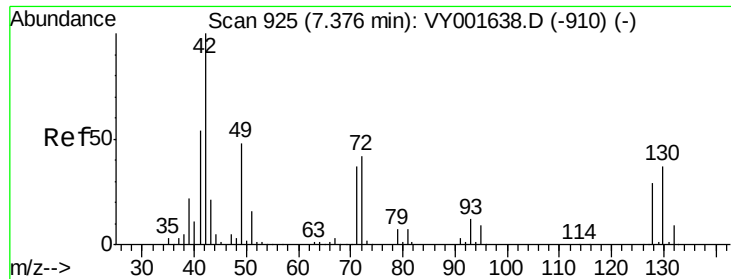


#28

Bromochloromethane
Concen: 52.374 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99334		
129	1.8		0.0	3.6
130	68.0		56.2	84.4





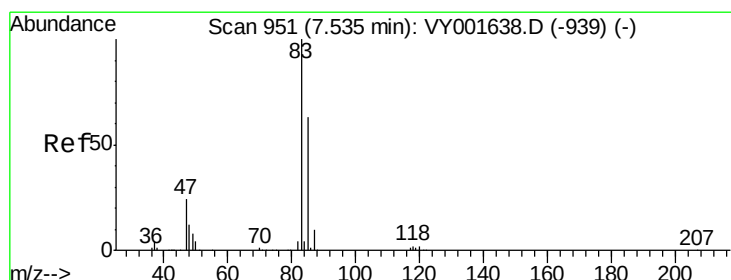
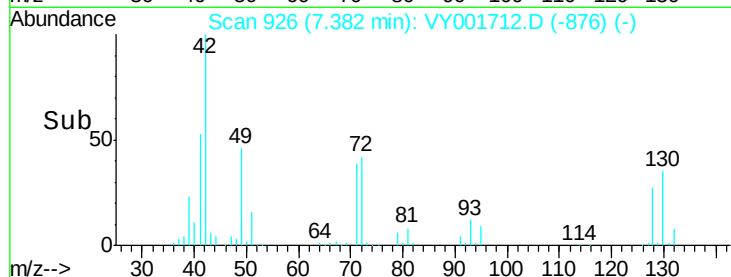
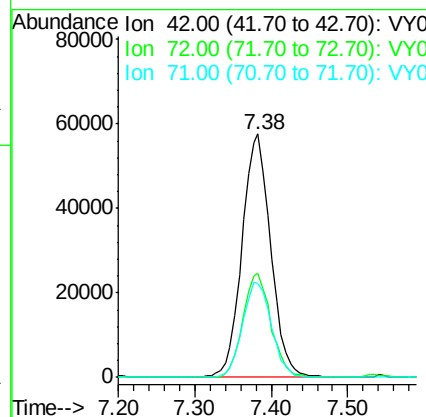
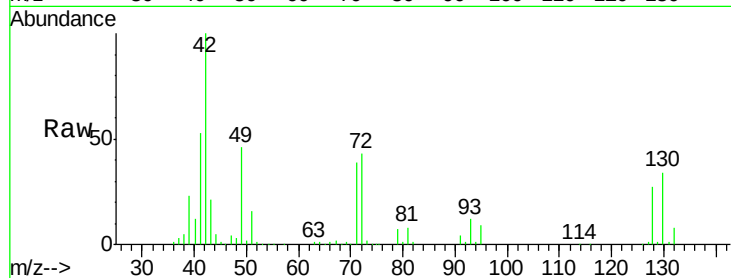
#29
Tetrahydrofuran
Concen: 227.931 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.4	51.6
71	39.5	31.8	47.8

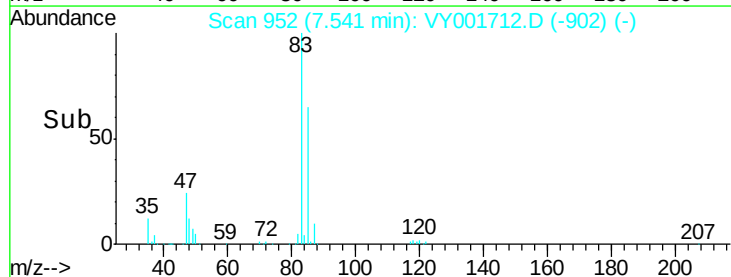
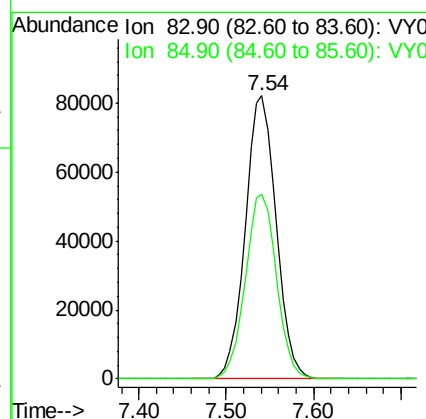
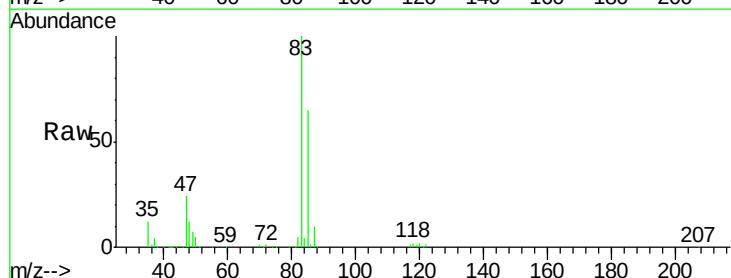
Manual Integrations
APPROVED

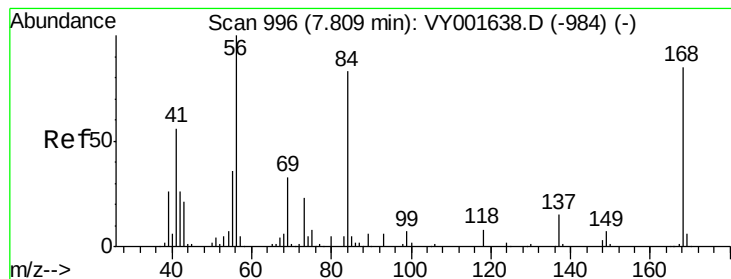
MMDadoda
2/21/2020 3:23:17 PM



#30
Chloroform
Concen: 45.138 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.6	77.4





#31

Cyclohexane

Concen: 44.395 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 215512

Ion Ratio Lower Upper

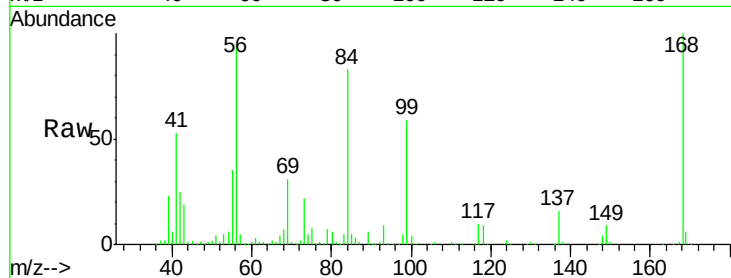
56 100

69 32.5 25.1 37.7

84 86.8 66.9 100.3

Manual Integrations
APPROVED

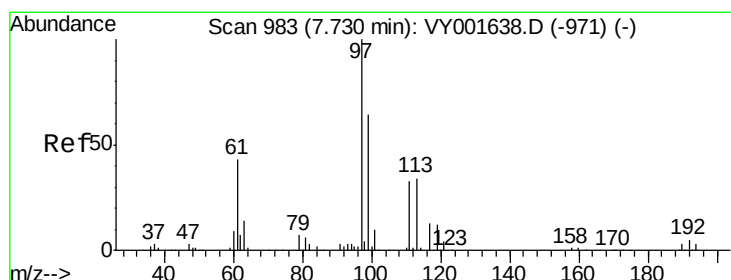
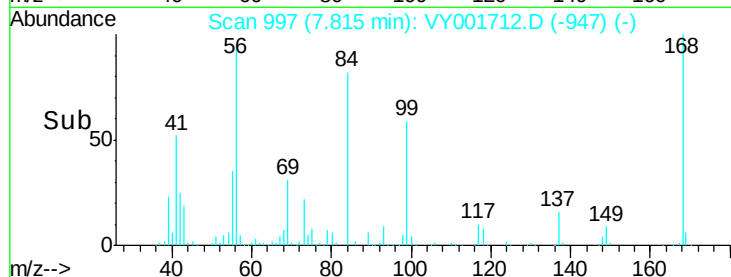
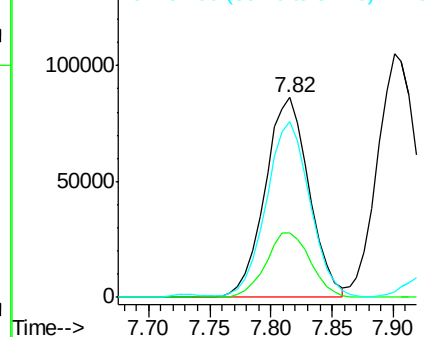
MMDadoda
2/21/2020 3:23:17 PM



Abundance Ion 56.00 (55.70 to 56.70): VY001712.D (-947) (-)

Ion 69.00 (68.70 to 69.70): VY001712.D (-947) (-)

Ion 84.00 (83.70 to 84.70): VY001712.D (-947) (-)



#32

1,1,1-Trichloroethane

Concen: 46.514 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

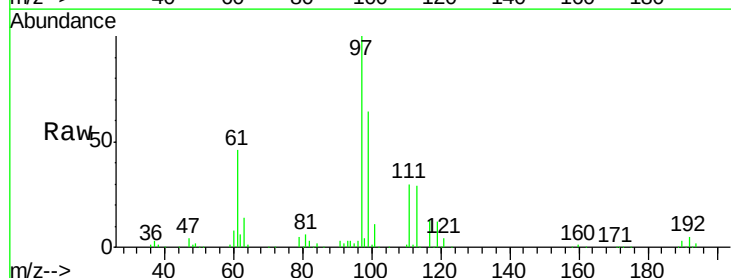
Tgt Ion: 97 Resp: 173918

Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

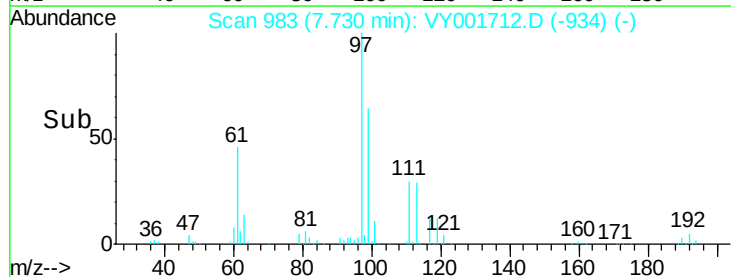
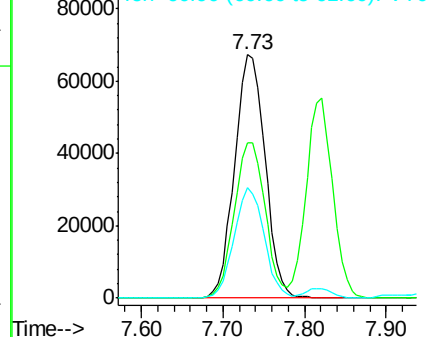
61 44.7 35.0 52.6

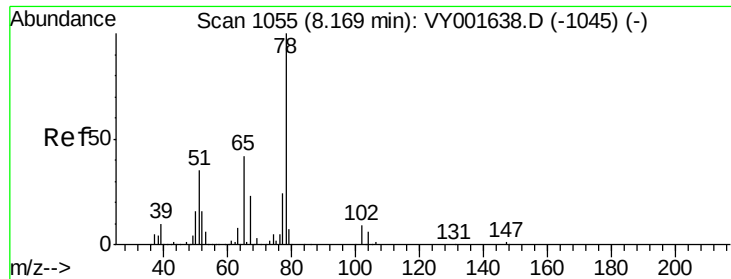


Abundance Ion 96.90 (96.60 to 97.60): VY001712.D (-934) (-)

Ion 98.90 (98.60 to 99.60): VY001712.D (-934) (-)

Ion 60.90 (60.60 to 61.60): VY001712.D (-934) (-)





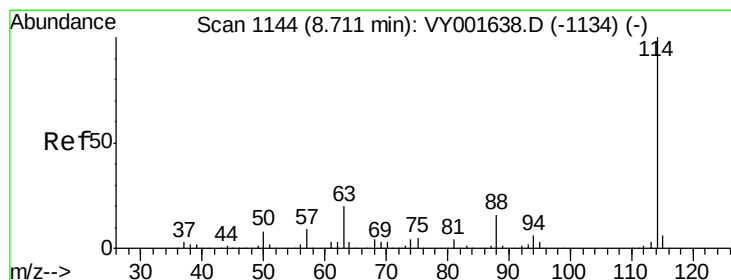
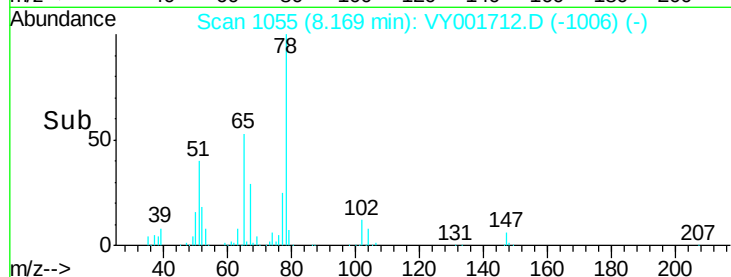
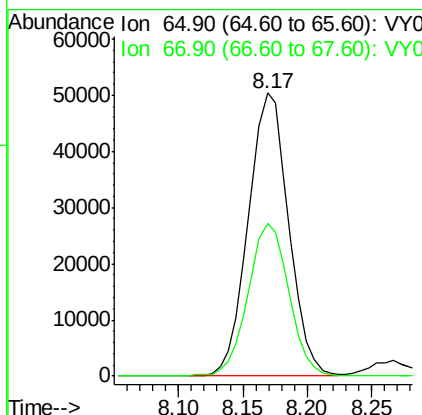
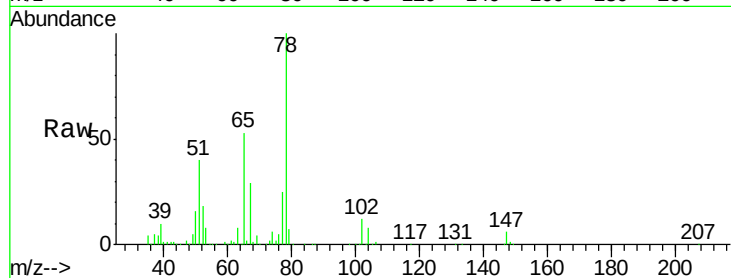
#33
 1,2-Dichloroethane-d4
 Concen: 47.250 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109178		
67	54.7	0.0	111.0	

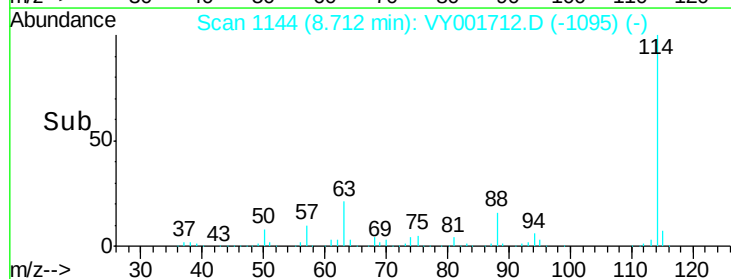
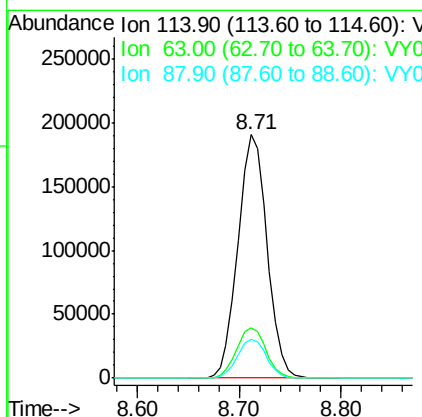
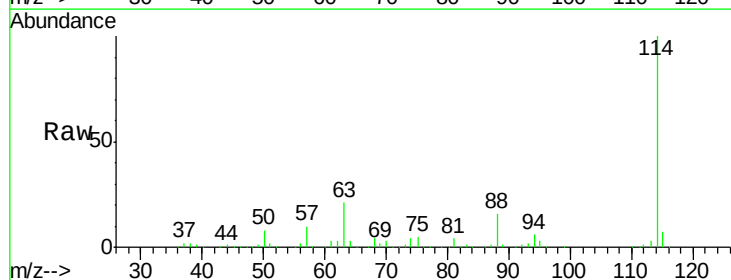
Manual Integrations
 APPROVED

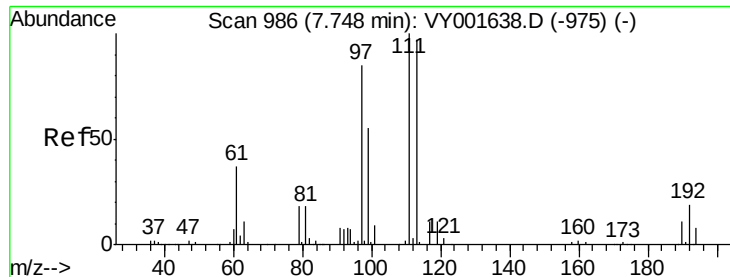
MMDadoda
 2/21/2020 3:23:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	376193		
63	20.9	0.0	41.4	
88	16.1	0.0	32.8	





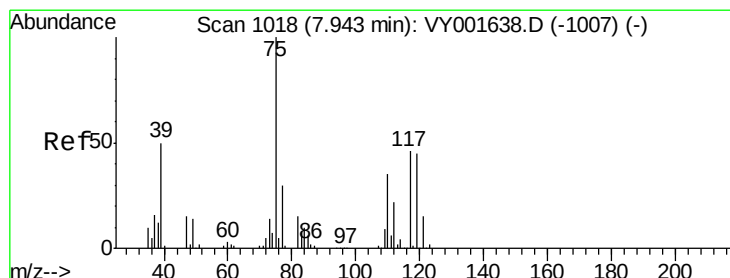
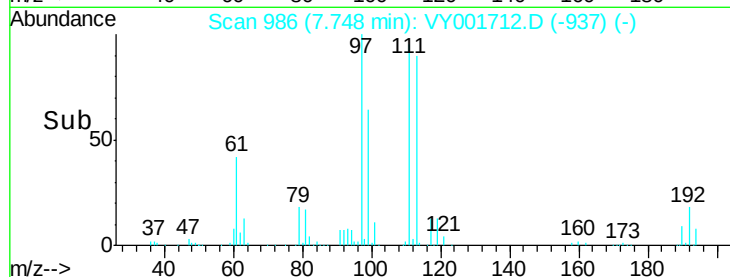
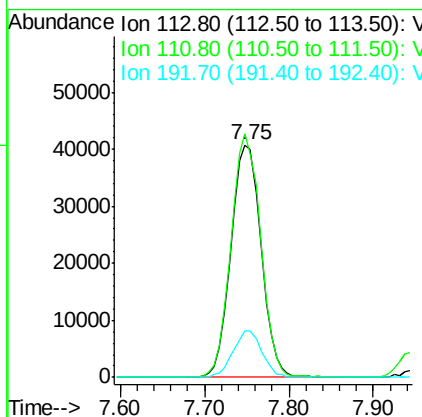
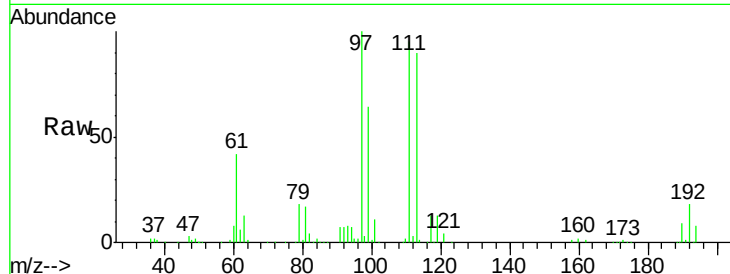
#35
 Dibromofluoromethane
 Concen: 45.931 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	18.9	14.3	21.5

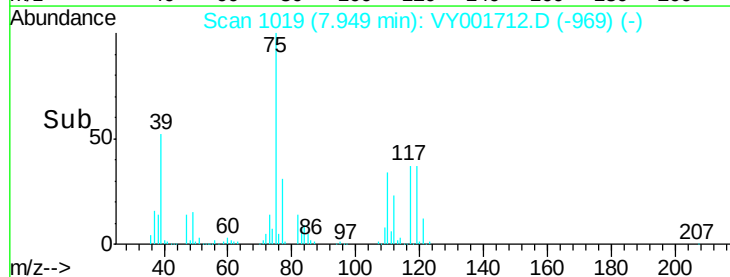
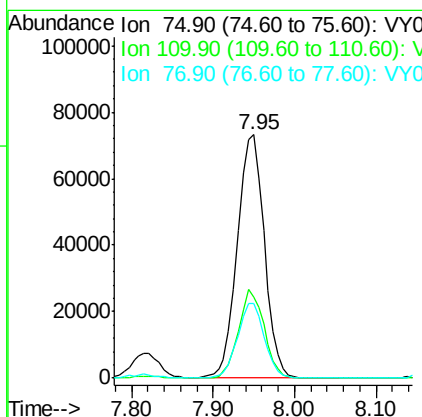
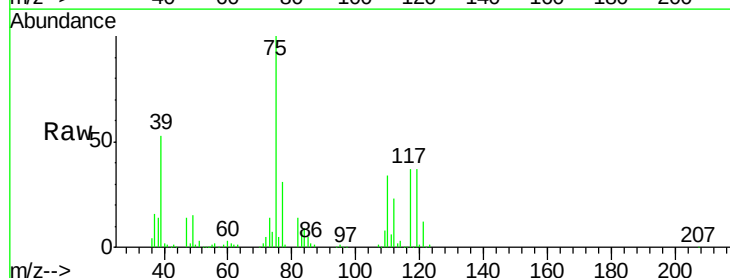
Manual Integrations
 APPROVED

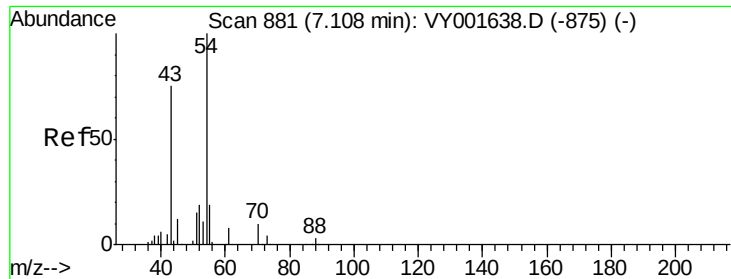
MMDadoda
 2/21/2020 3:23:17 PM



#36
 1,1-Dichloropropene
 Concen: 46.881 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	30.6	24.8	37.2





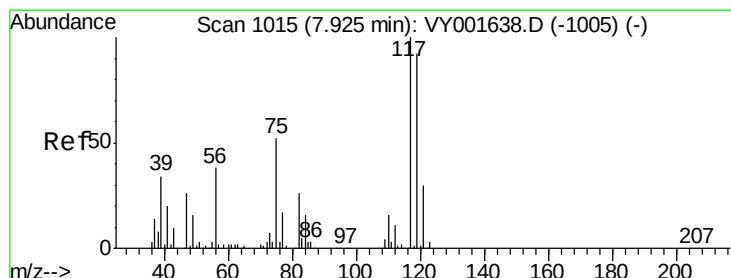
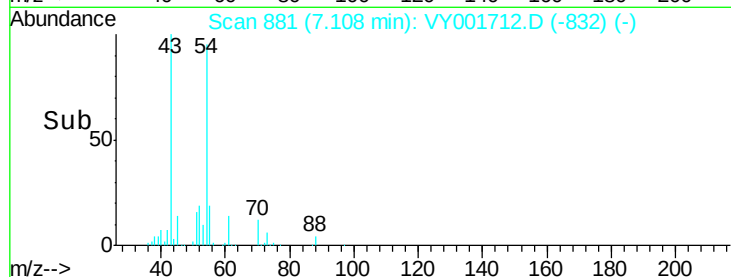
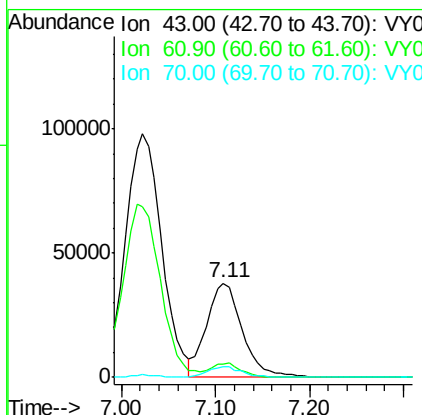
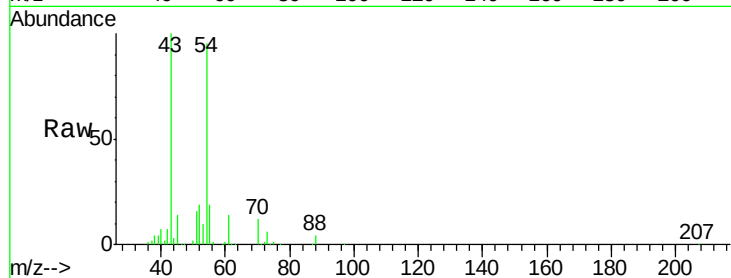
#37
Ethyl Acetate
Concen: 46.132 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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

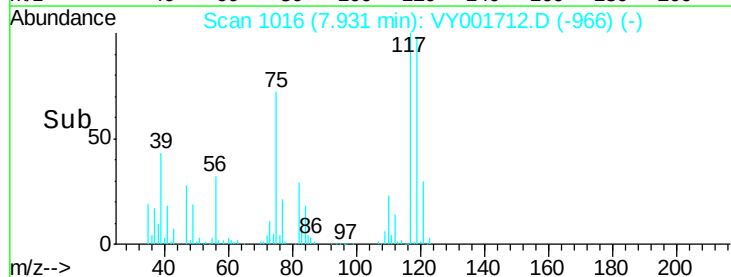
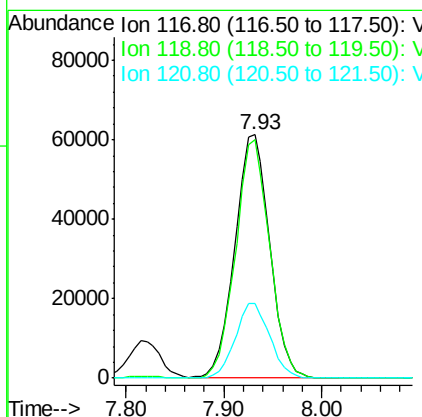
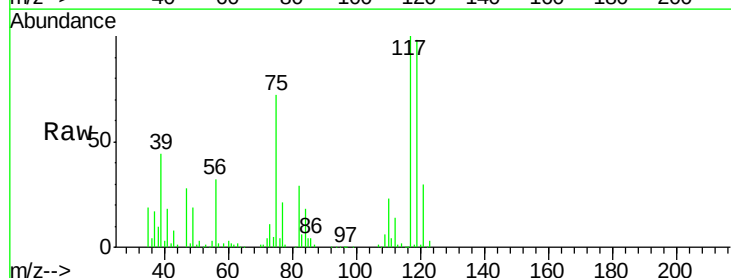
Manual Integrations
APPROVED

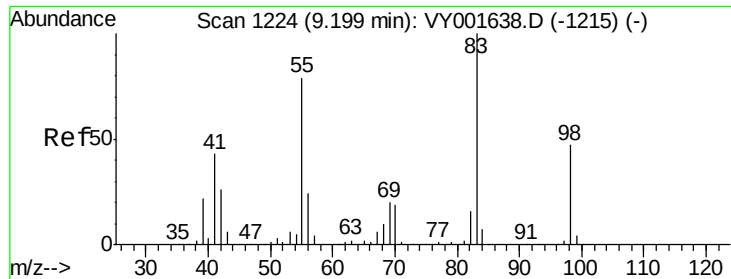
MMDadoda
2/21/2020 3:23:17 PM



#38
Carbon Tetrachloride
Concen: 47.947 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	74.8	112.2
121	30.4	23.8	35.6





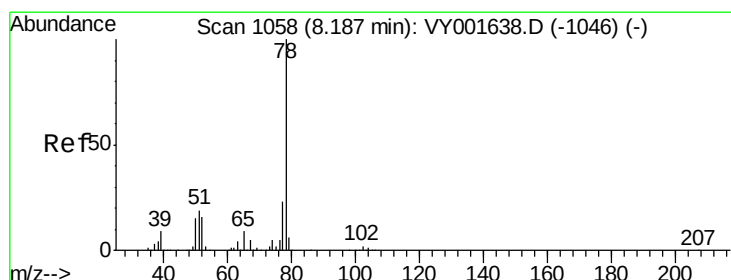
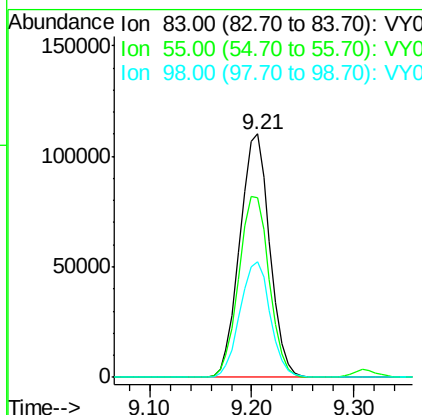
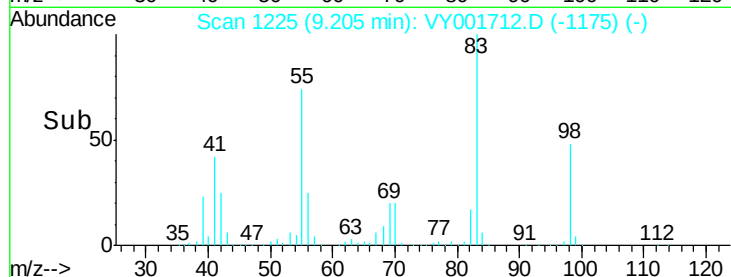
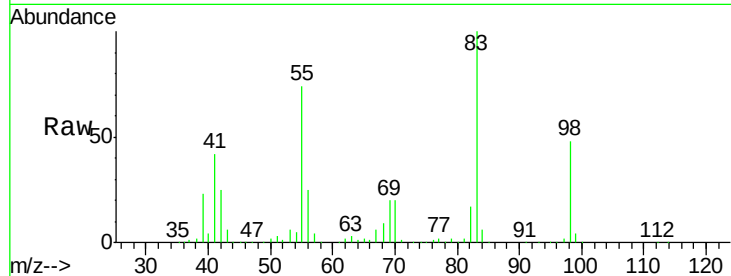
#39
Methylvlcyclohexane
Concen: 47.047 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	224281		
55	73.7	61.3	91.9	
98	47.6	38.0	57.0	

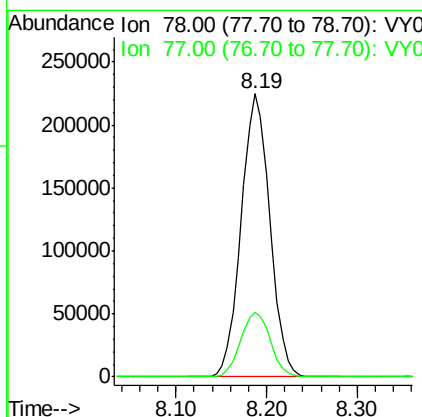
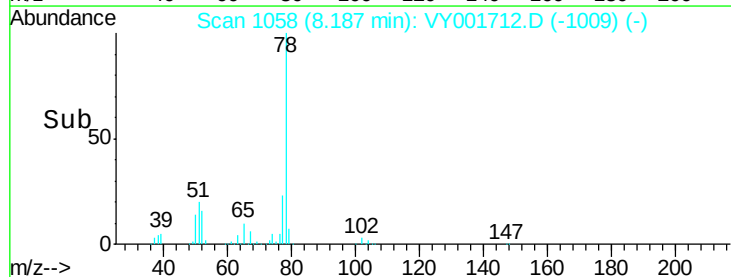
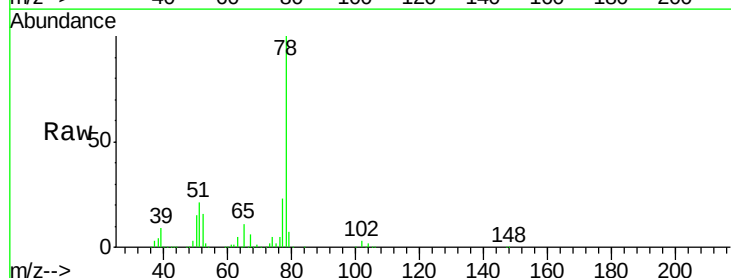
Manual Integrations
APPROVED

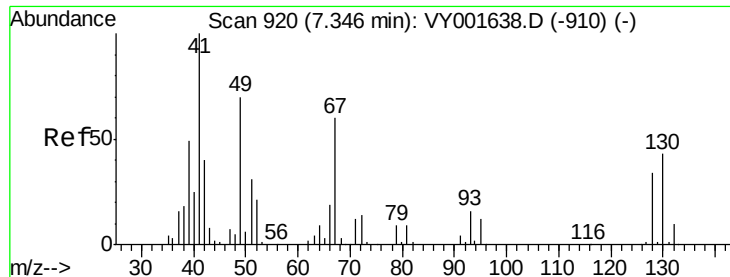
MMDadoda
2/21/2020 3:23:17 PM



#40
Benzene
Concen: 46.493 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	491351		
77	22.8	18.2	27.4	





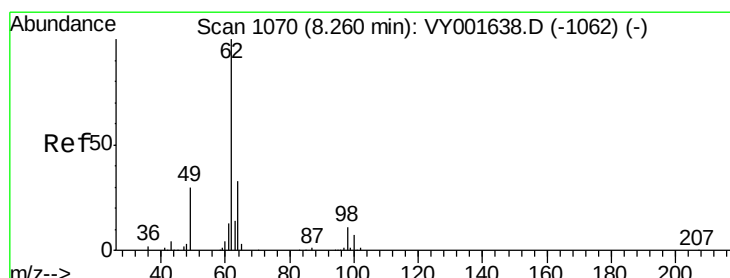
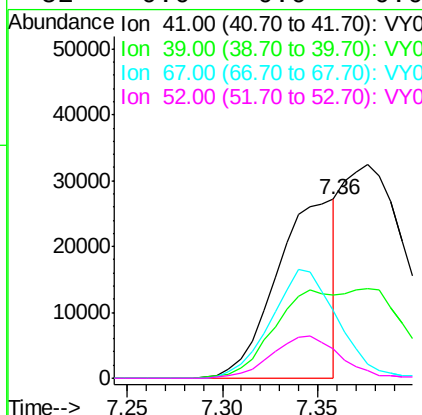
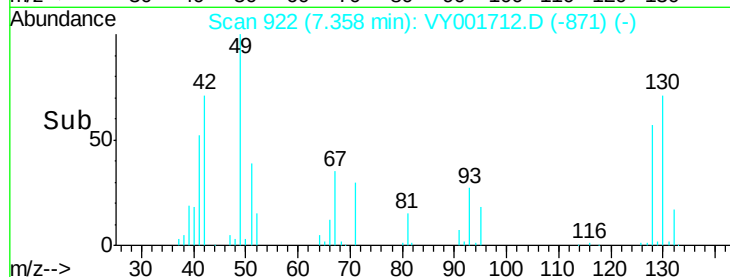
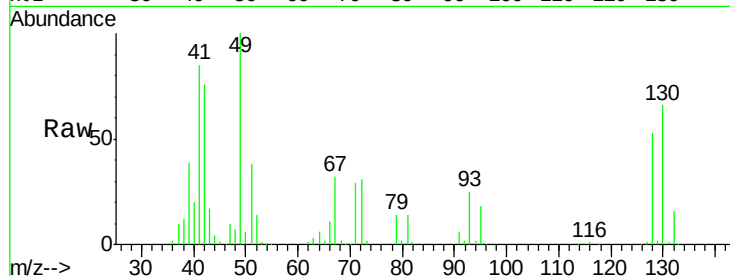
#41
Methacrylonitrile
Concen: 54.703 ug/l m
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

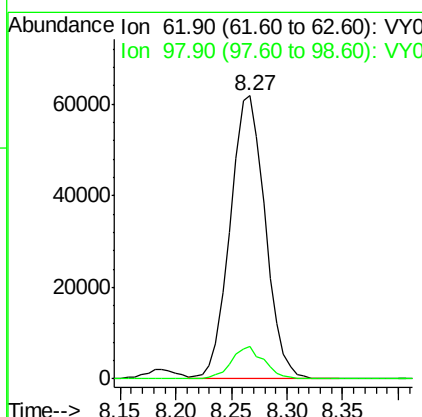
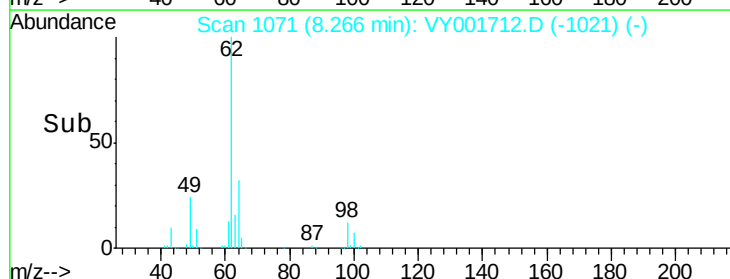
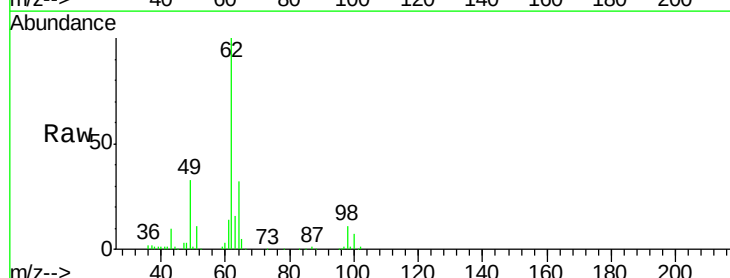
Manual Integrations
APPROVED

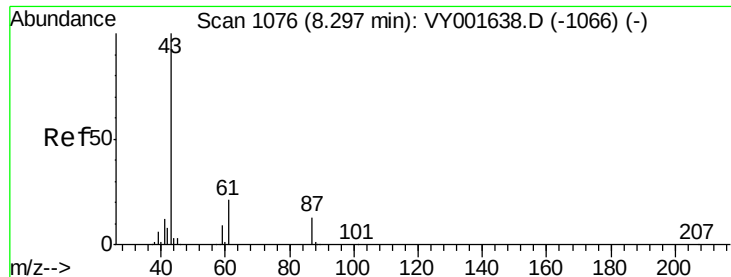
MMDadoda
2/21/2020 3:23:17 PM



#42
1,2-Dichloroethane
Concen: 46.912 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.8





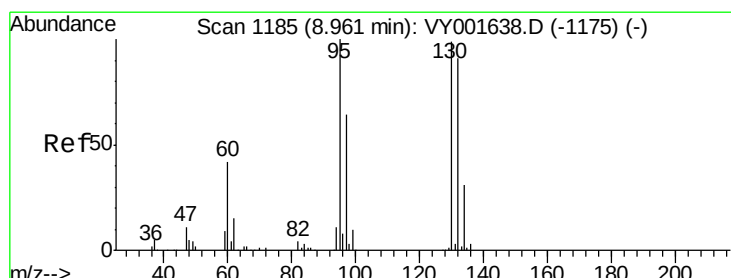
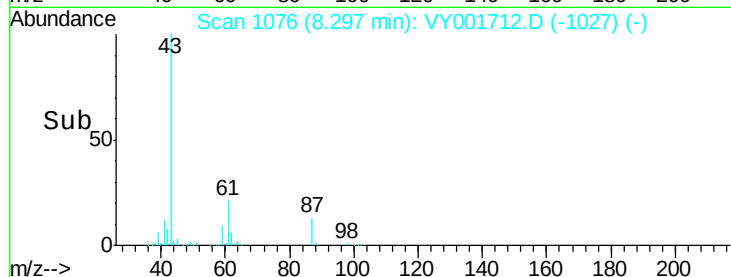
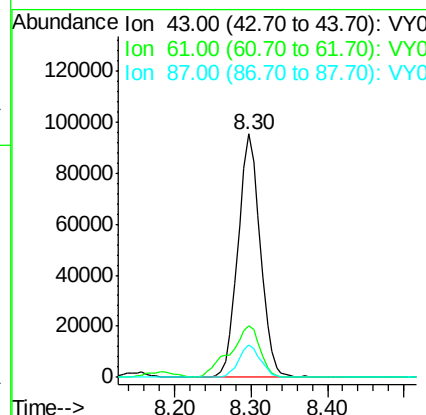
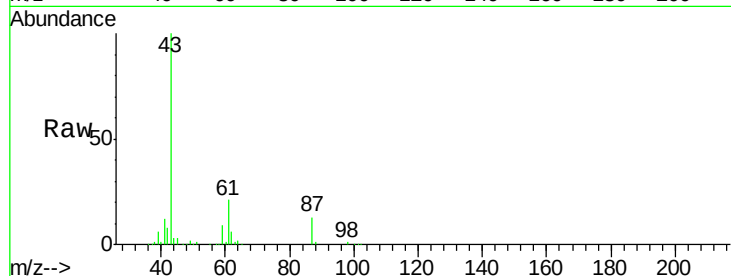
#43
Isopropyl Acetate
Concen: 47.339 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.0	34.4
87	13.0	10.7	16.1

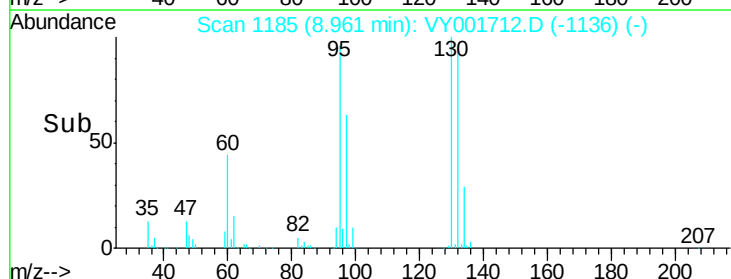
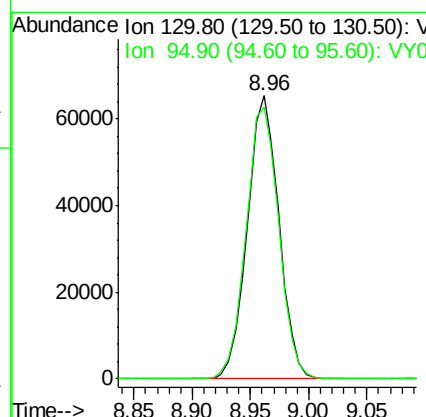
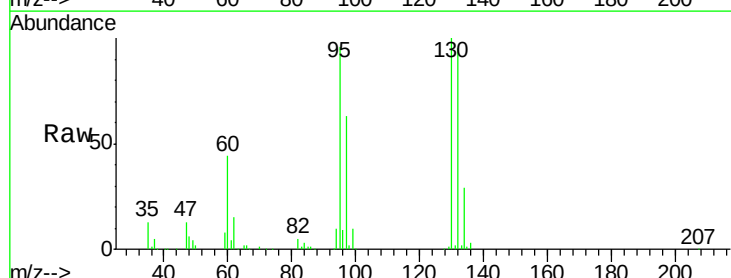
Manual Integrations
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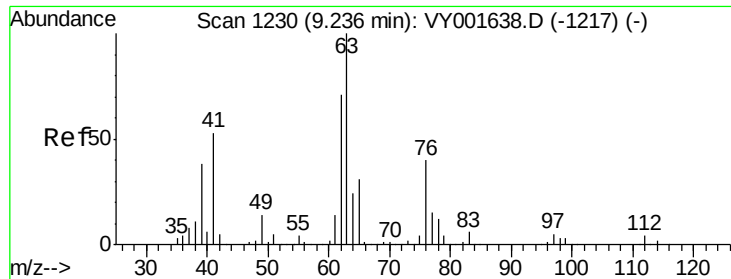
MMDadoda
2/21/2020 3:23:17 PM



#44
Trichloroethene
Concen: 46.893 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	200.6





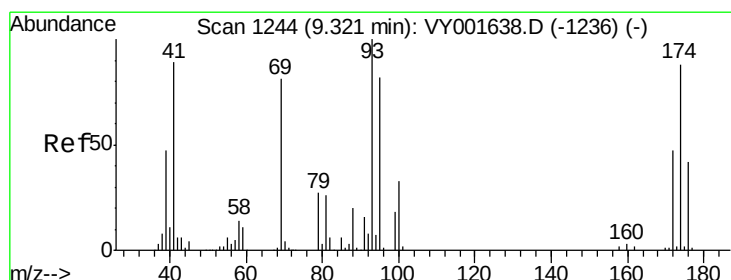
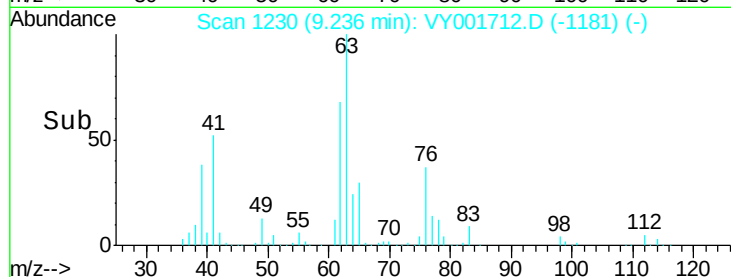
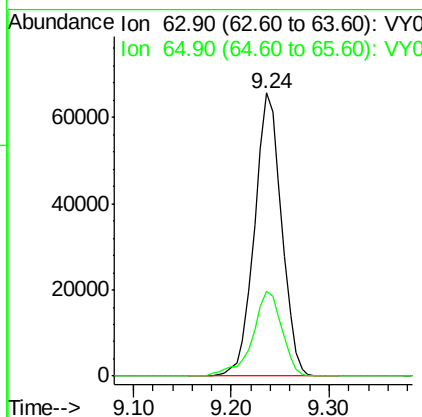
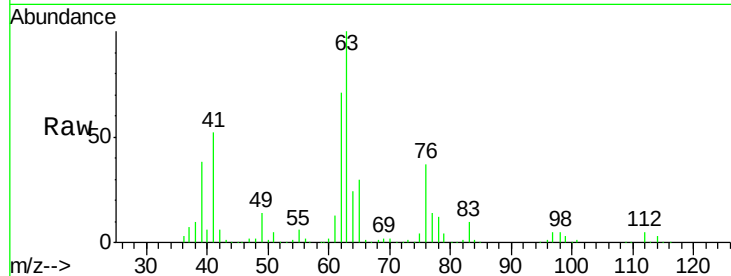
#45
 1,2-Dichloropropane
 Concen: 47.585 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 125945
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

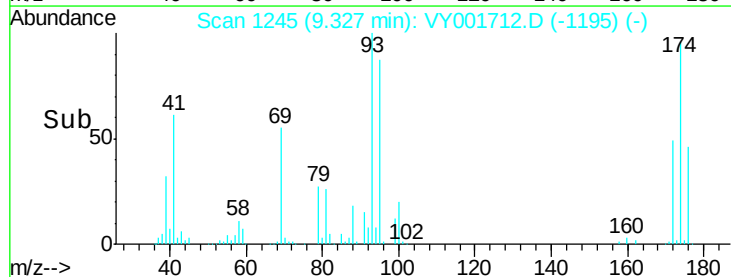
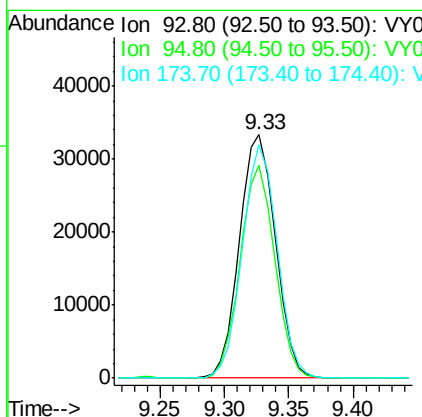
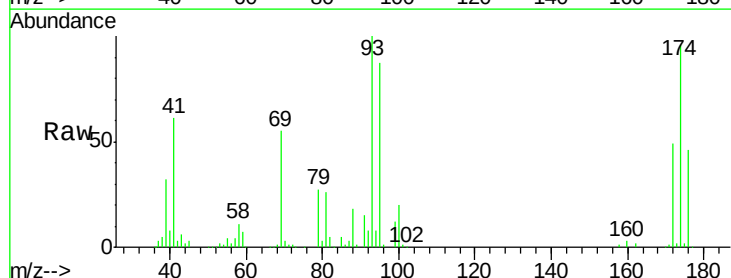
Manual Integrations
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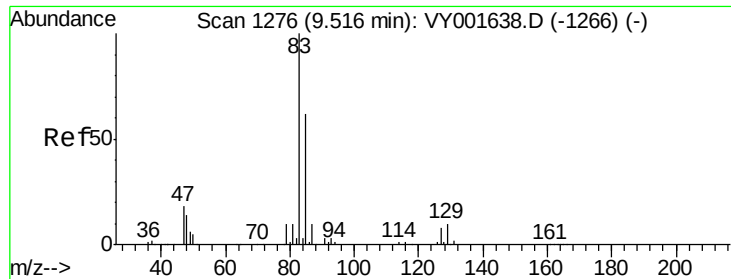
MMDadoda
 2/21/2020 3:23:17 PM



#46
 Dibromomethane
 Concen: 46.688 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion: 93 Resp: 64632
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.1 99.1
 174 92.3 72.5 108.7





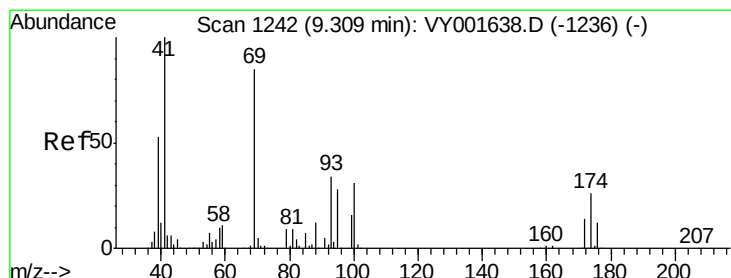
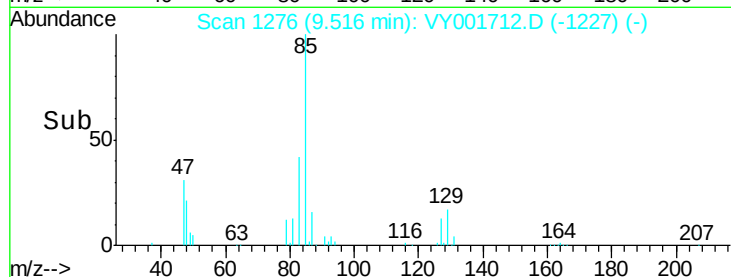
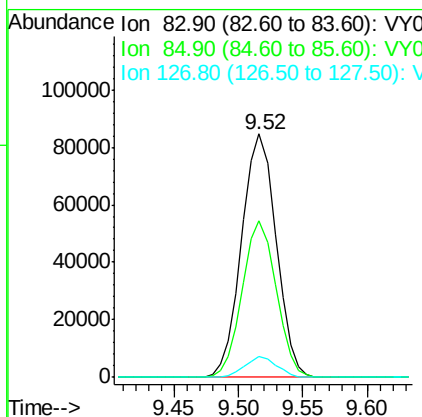
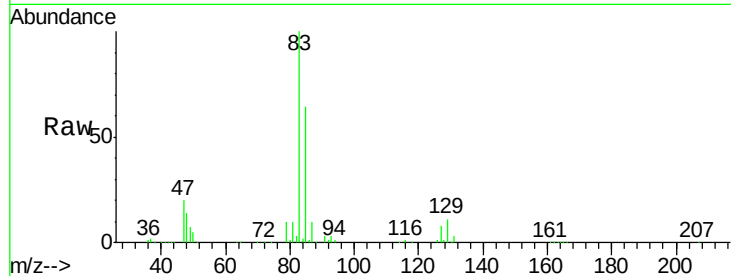
#47
Bromodichloromethane
Concen: 47.168 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157592		
85	64.2	51.4	77.0	
127	8.3	6.4	9.6	

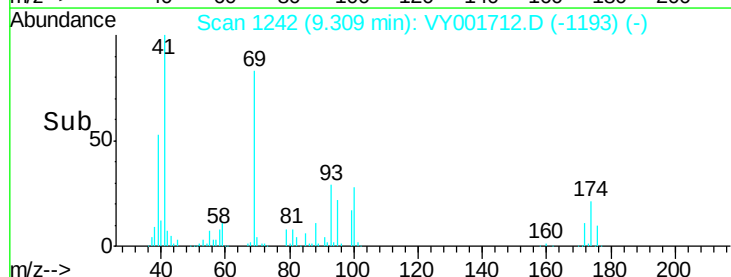
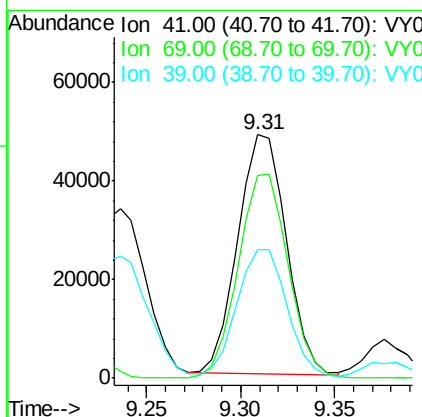
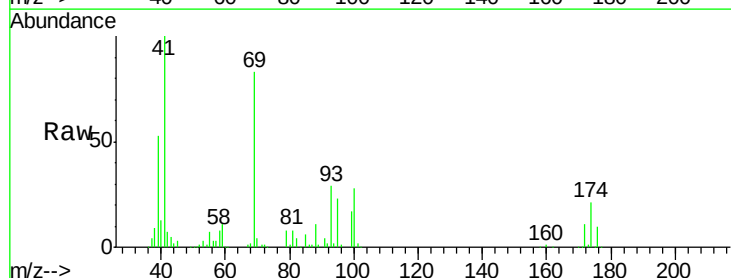
Manual Integrations
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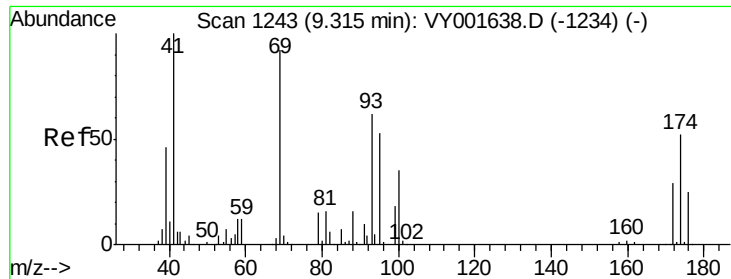
MMDadoda
2/21/2020 3:23:17 PM



#48
Methyl methacrylate
Concen: 47.145 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	86765		
69	87.8	70.7	106.1	
39	53.8	42.2	63.2	





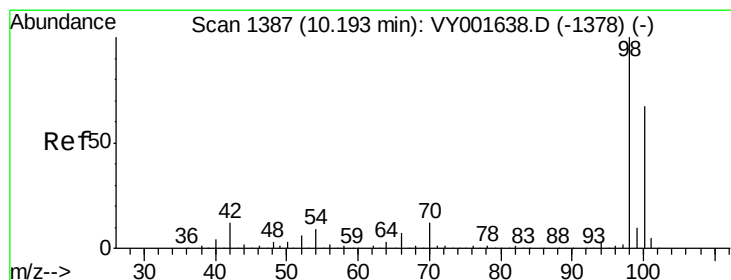
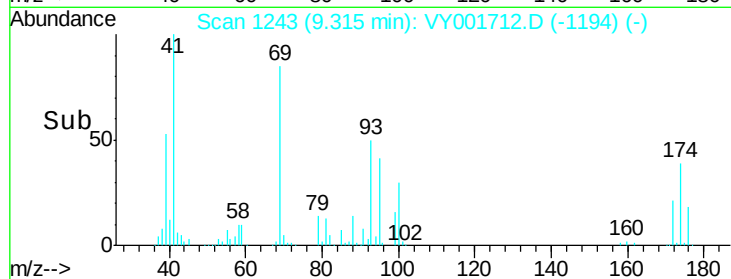
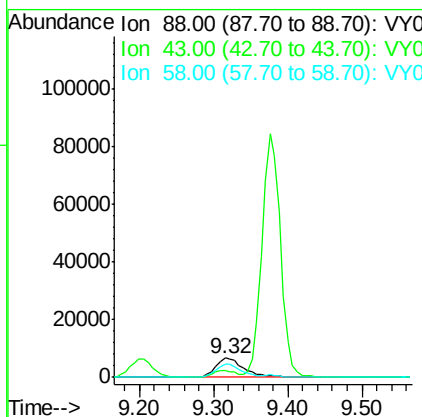
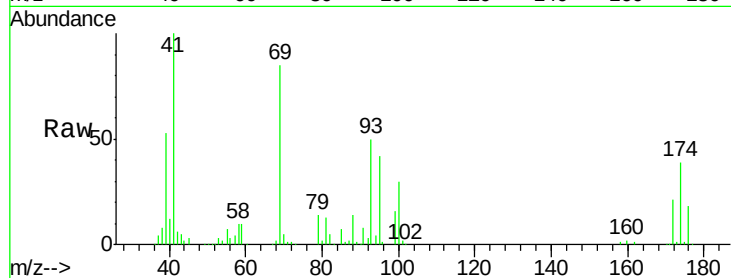
#49
1,4-Dioxane
Concen: 906.541 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	17725
Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.1	34.7
58	70.8	58.1	87.1

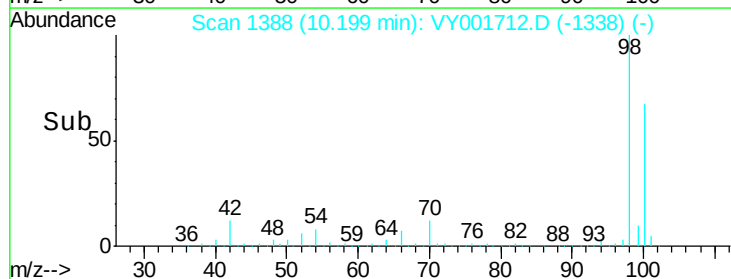
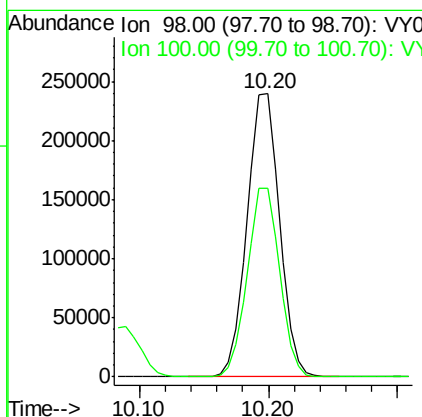
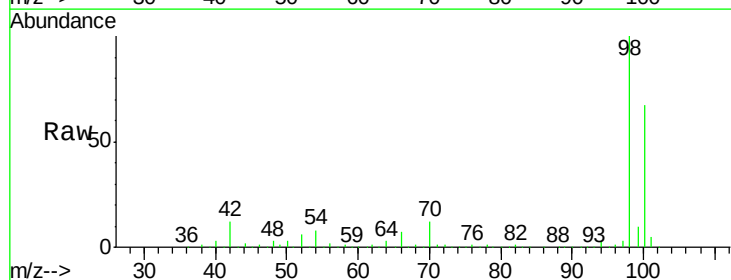
Manual Integrations
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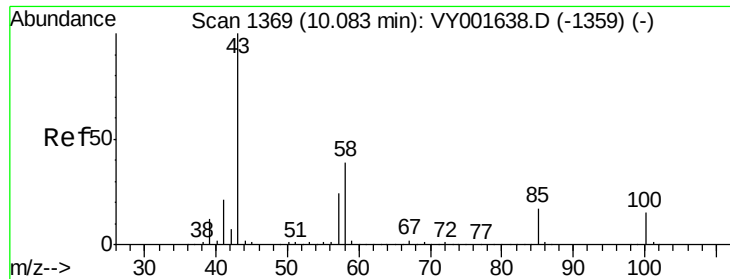
MMDadoda
2/21/2020 3:23:17 PM



#50
Toluene-d8
Concen: 49.263 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	98	Resp	415848
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4





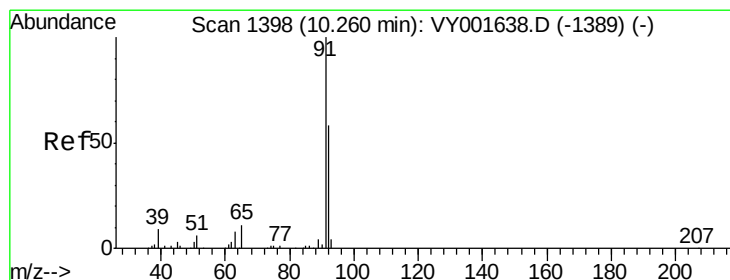
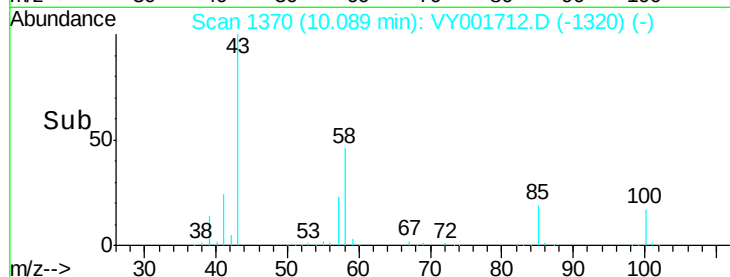
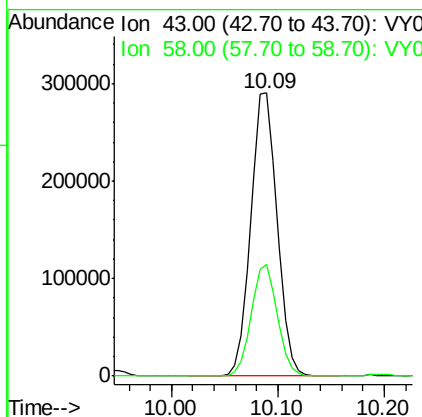
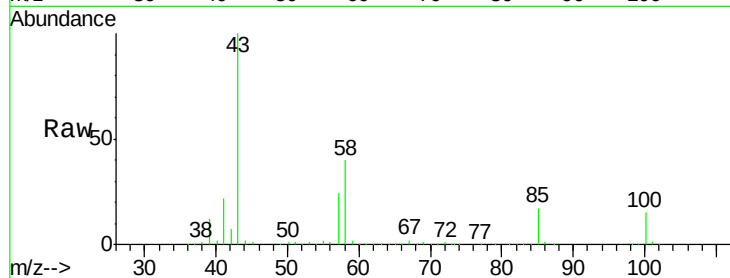
#51
4-Methyl-2-Pentanone
Concen: 242.672 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.2	48.4

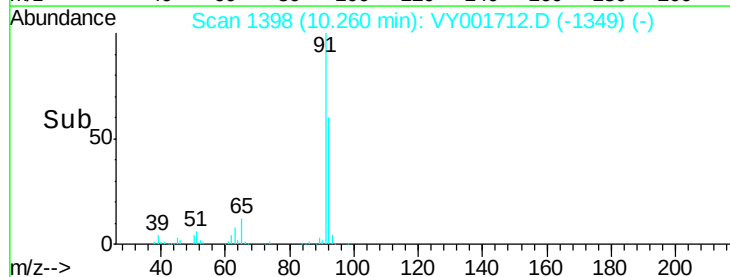
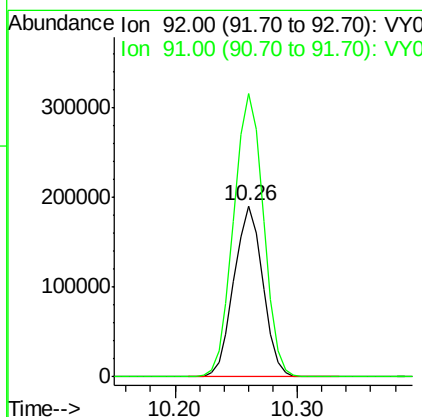
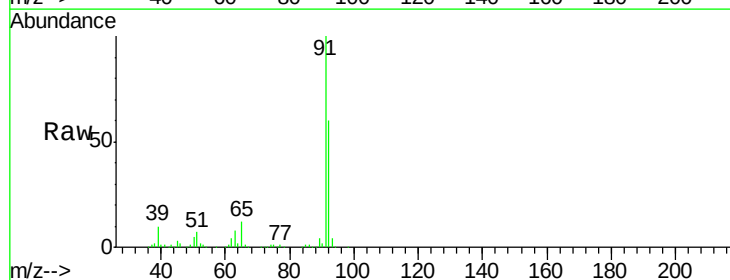
Manual Integrations
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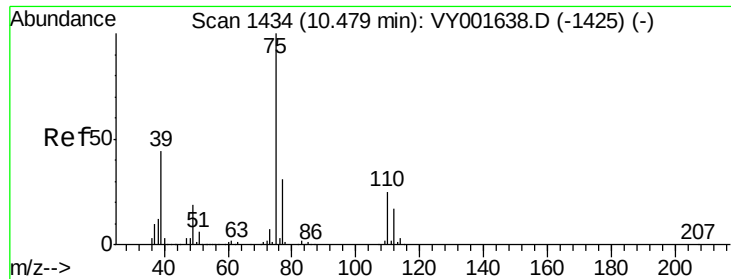
MMDadoda
2/21/2020 3:23:17 PM



#52
Toluene
Concen: 47.083 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.0	205.6





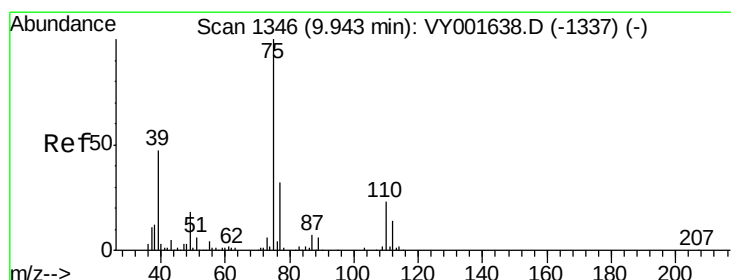
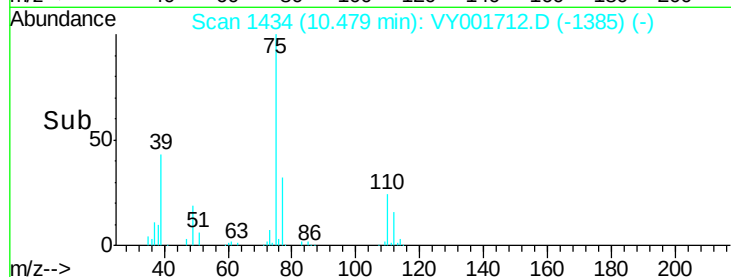
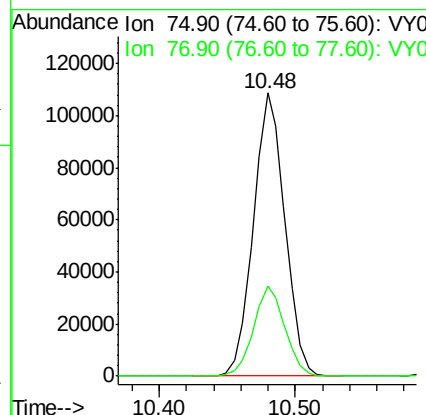
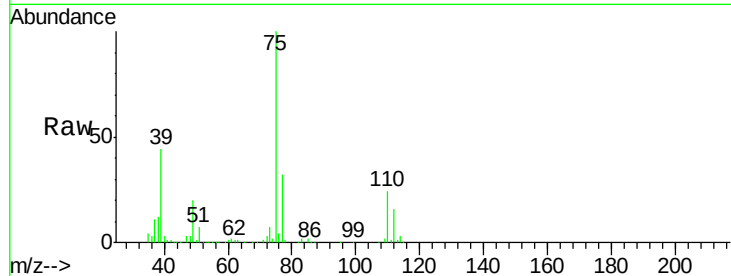
#53
t-1,3-Dichloropropene
Concen: 47.683 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8

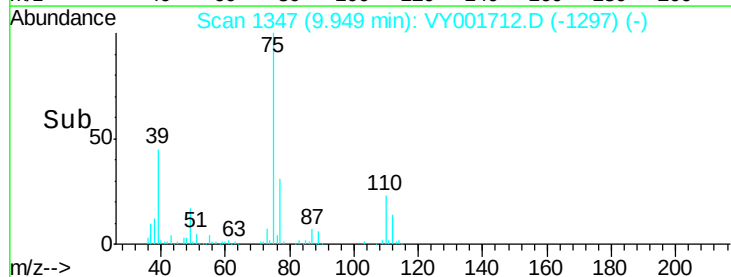
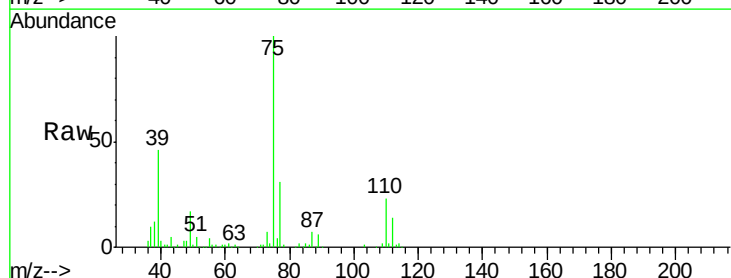
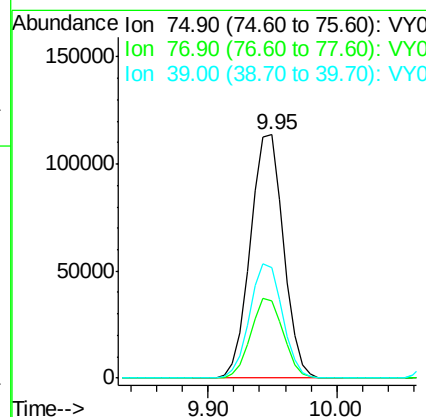
Manual Integrations
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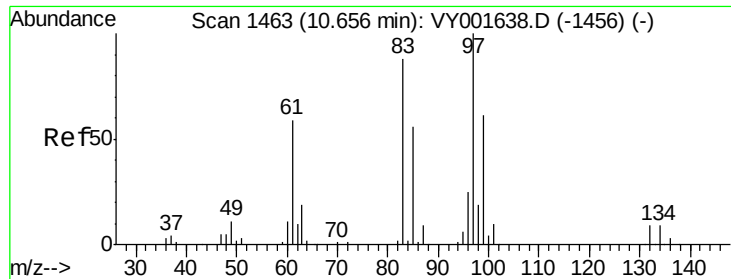
MMDadoda
2/21/2020 3:23:17 PM



#54
cis-1,3-Dichloropropene
Concen: 47.326 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	45.6	35.7	53.5





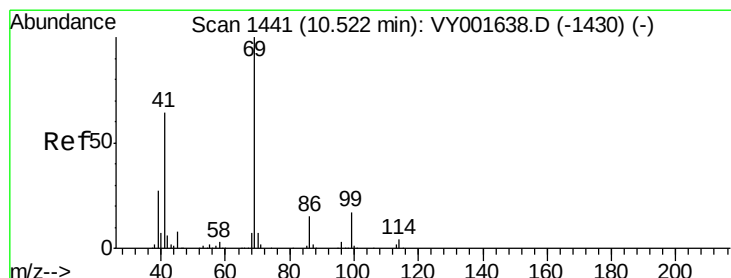
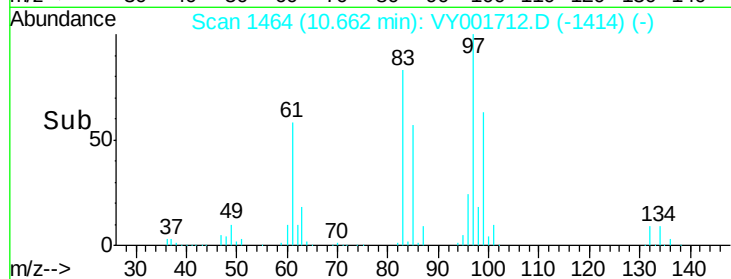
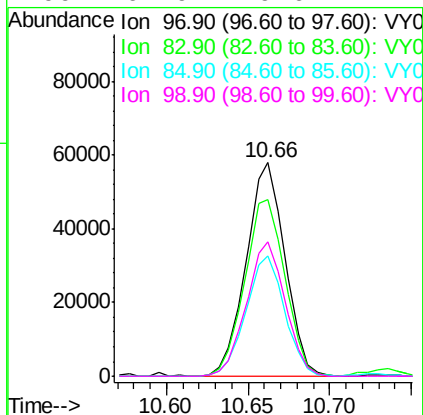
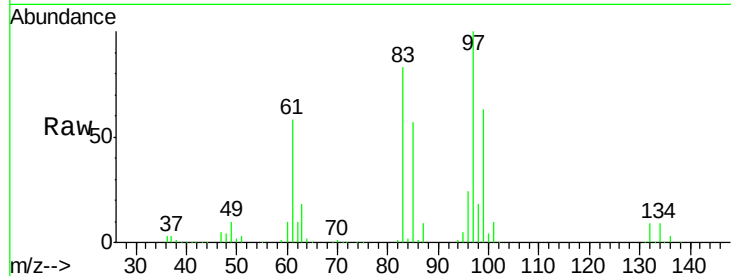
#55
 1,1,2-Trichloroethane
 Concen: 47.125 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	96195
Ion	Ratio	Lower	Upper
97	100		
83	82.9	69.7	104.5
85	56.6	44.5	66.7
99	62.9	49.6	74.4

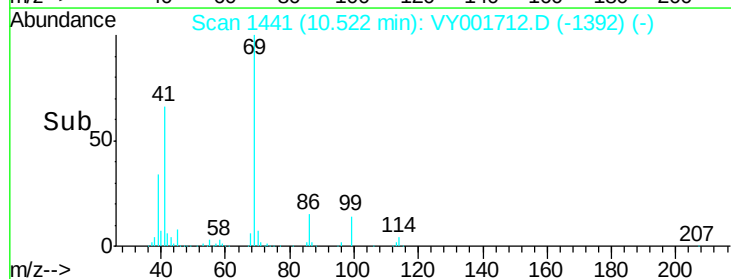
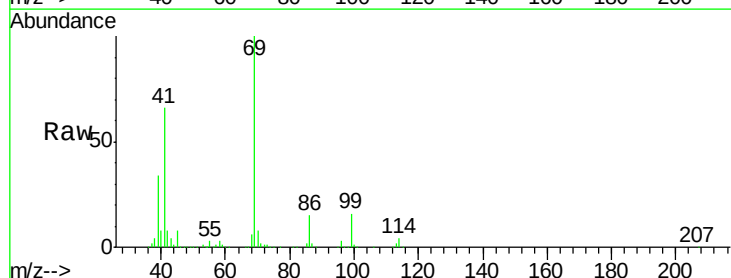
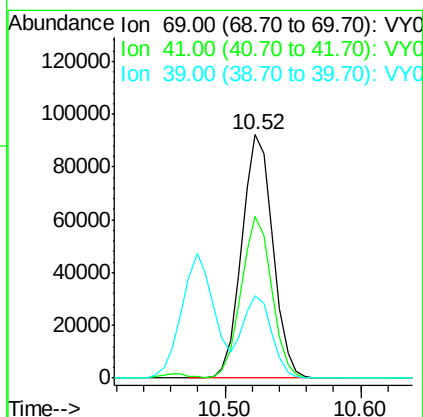
Manual Integrations
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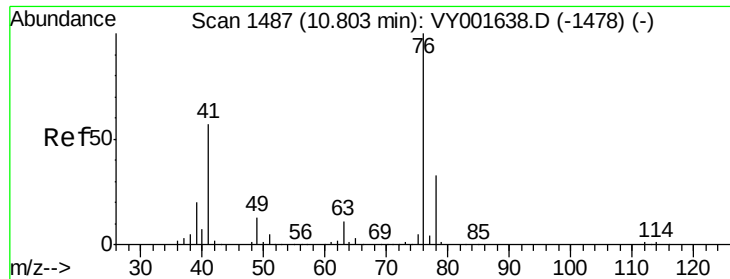
MMDadoda
 2/21/2020 3:23:17 PM



#56
 Ethyl methacrylate
 Concen: 48.030 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion:	69	Resp:	147081
Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.0	76.4
39	31.9	24.7	37.1





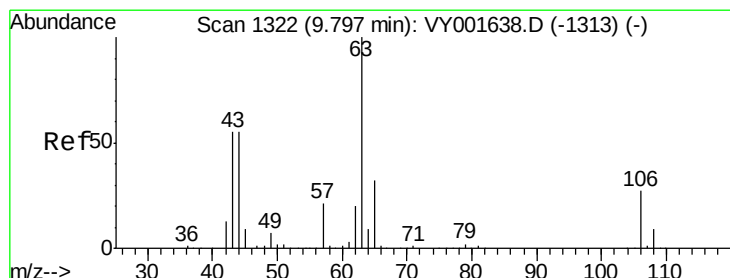
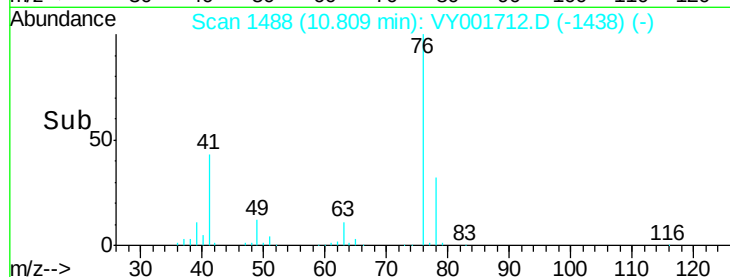
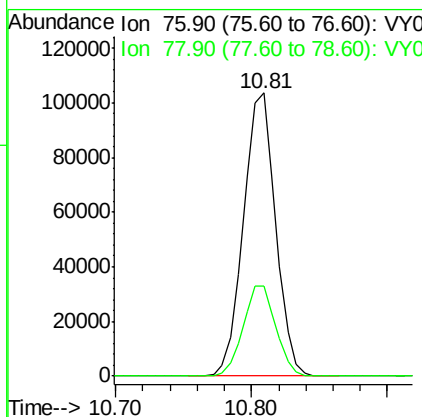
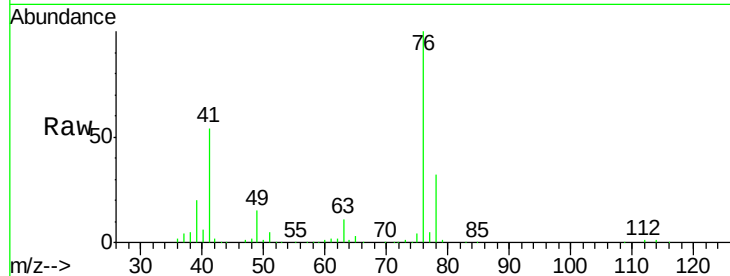
#57
 1,3-Dichloropropane
 Concen: 47.300 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 171553
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

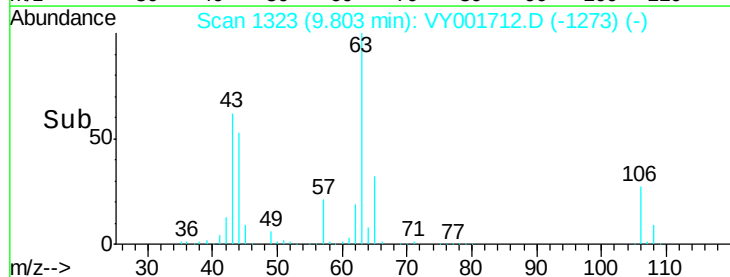
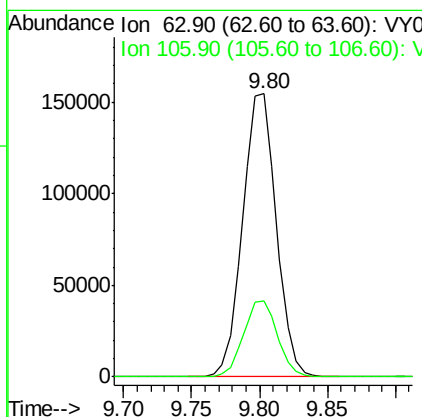
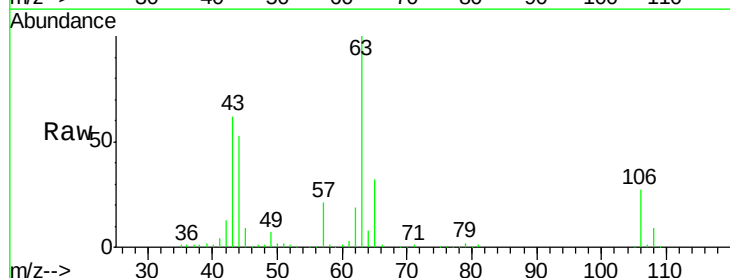
Manual Integrations
 APPROVED

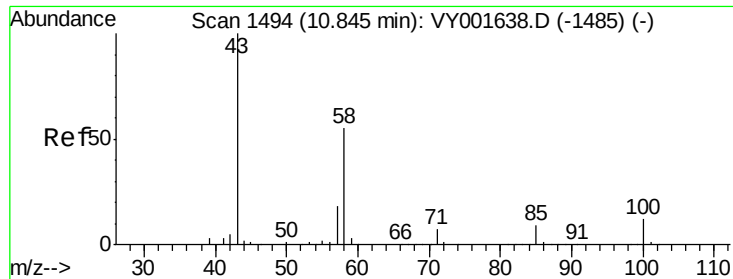
MMDadoda
 2/21/2020 3:23:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.946 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion: 63 Resp: 267645
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4





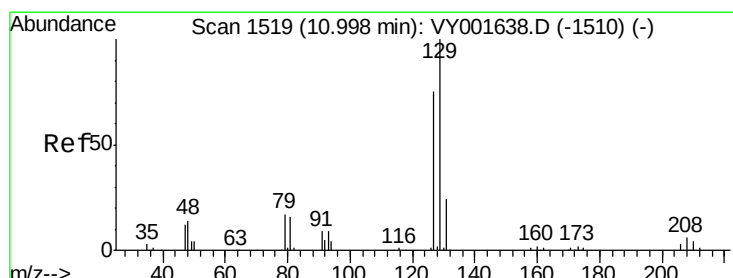
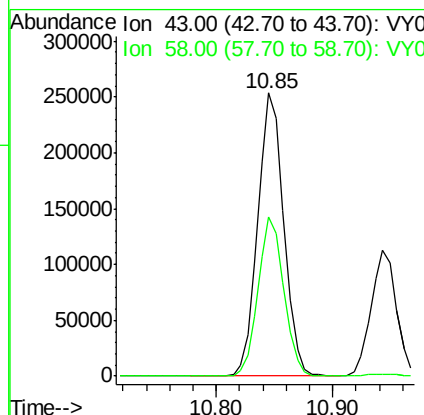
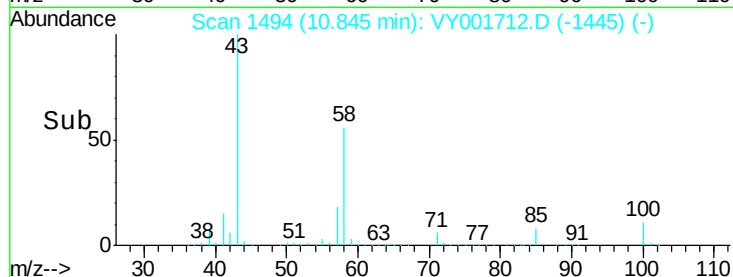
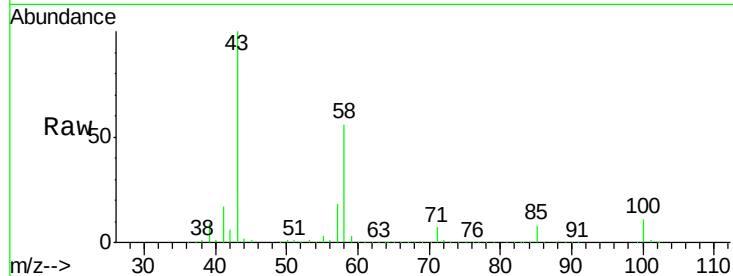
#59
2-Hexanone
Concen: 252.200 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Resp	Lower	Upper
395634	100	55.3	28.4	85.2	

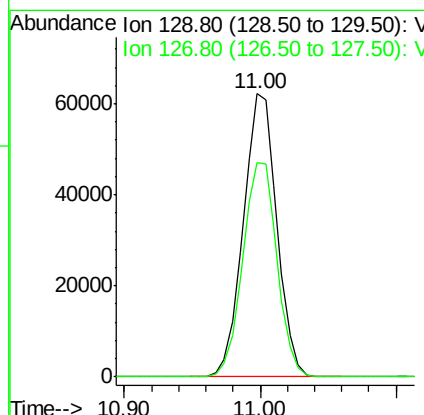
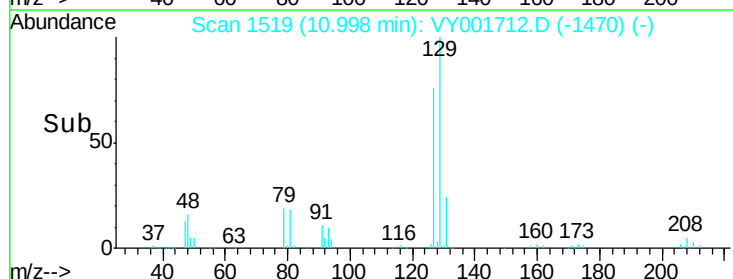
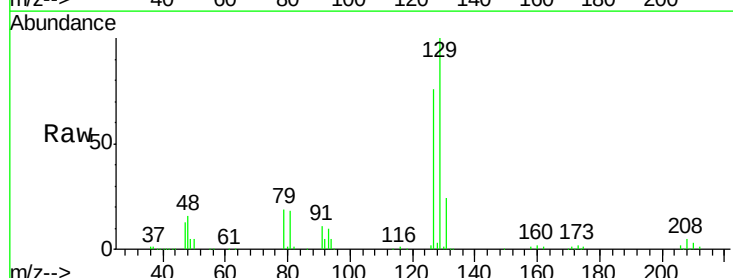
Manual Integrations
APPROVED

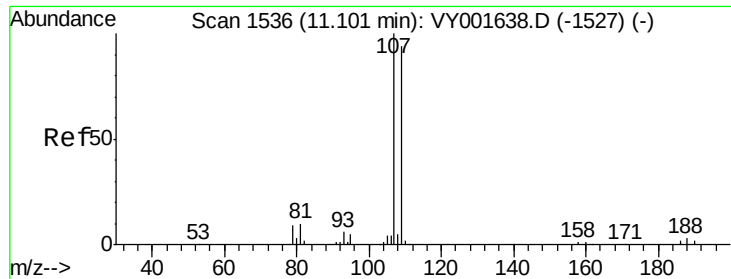
MMDadoda
2/21/2020 3:23:17 PM



#60
Dibromochloromethane
Concen: 47.567 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	129	127	Resp	Lower	Upper
107049	100	77.0	38.9	116.6	





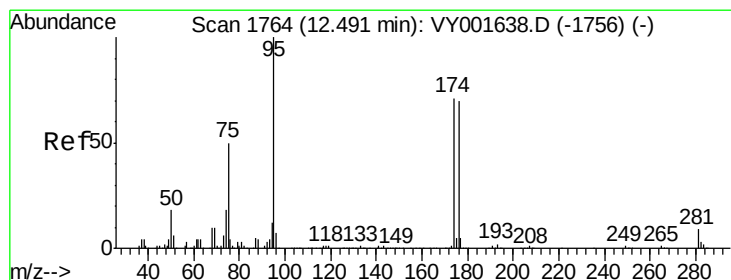
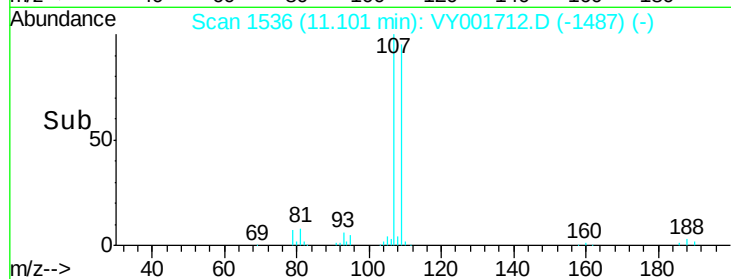
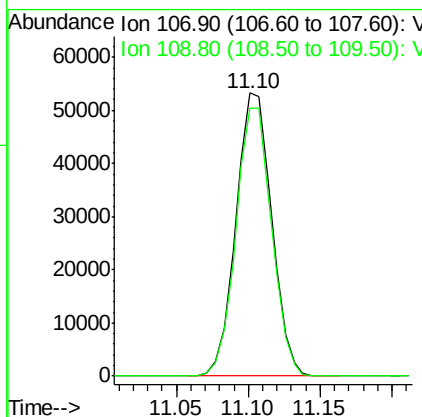
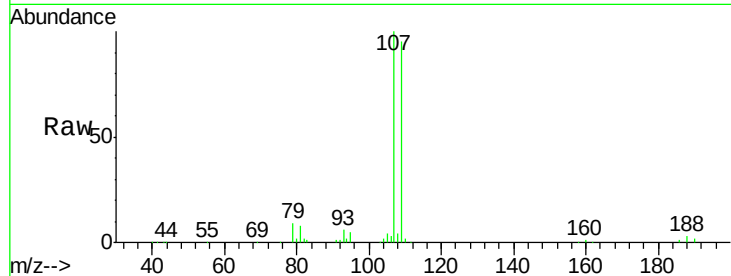
#61
 1,2-Dibromoethane
 Concen: 47.568 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.2	111.4

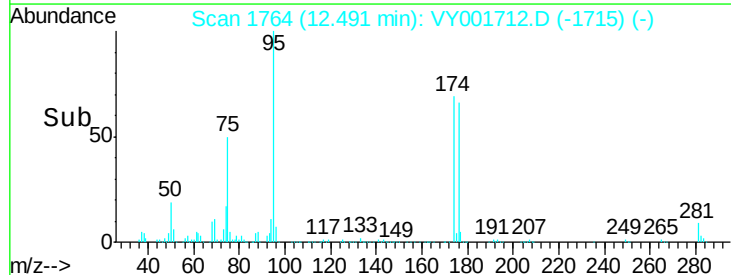
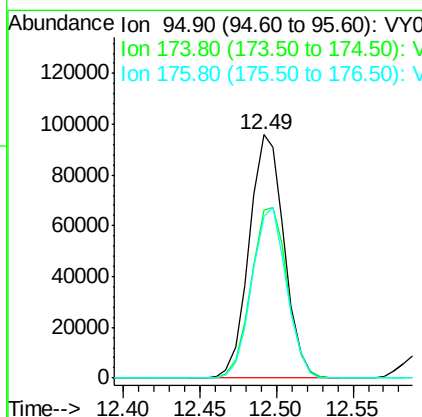
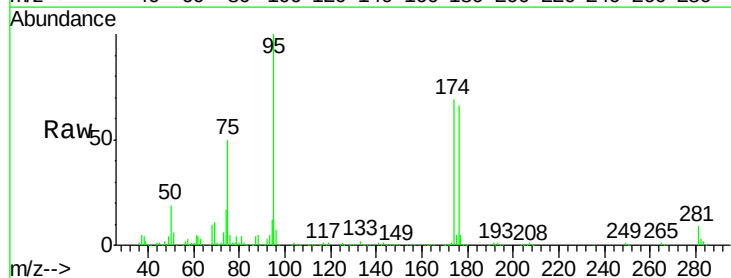
Manual Integrations
 APPROVED

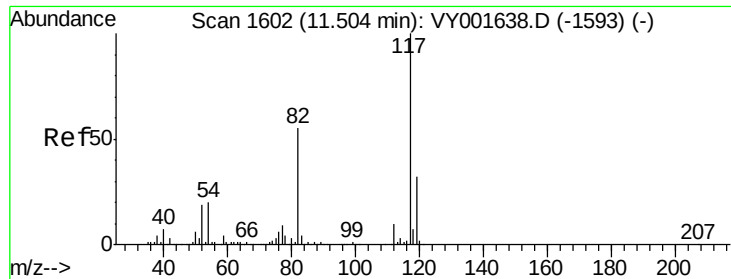
MMDadoda
 2/21/2020 3:23:17 PM



#62
 4-Bromofluorobenzene
 Concen: 46.207 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	138.4
176	69.8	0.0	131.8





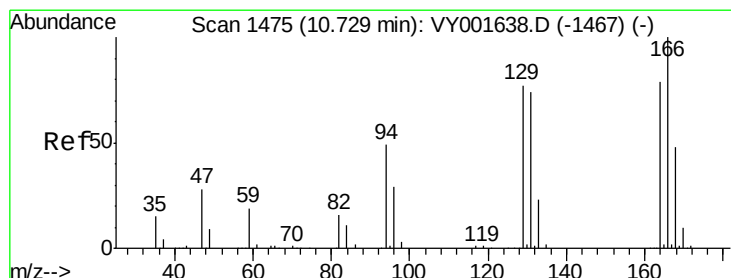
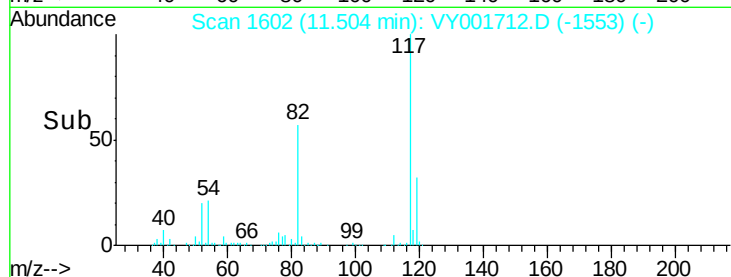
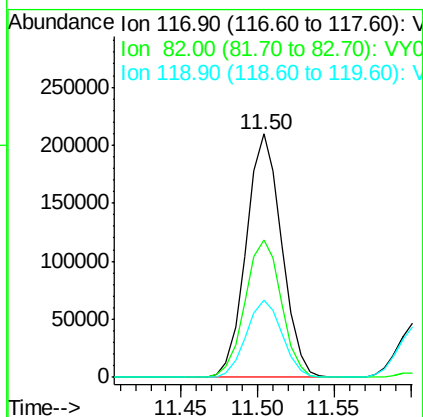
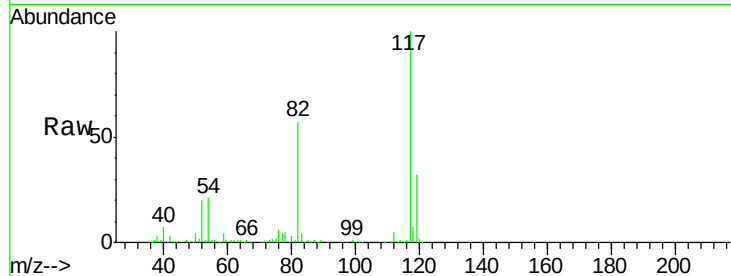
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.5	68.3
119	31.5	25.8	38.6

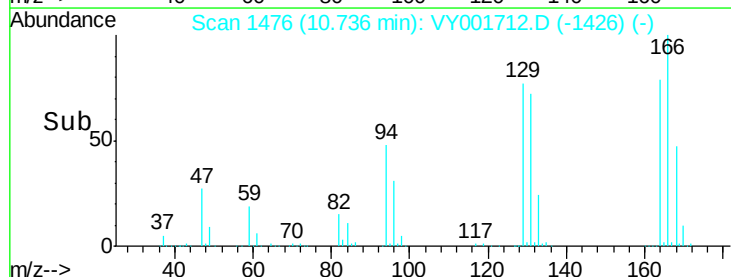
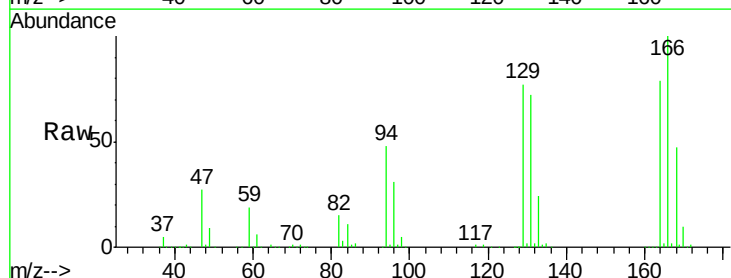
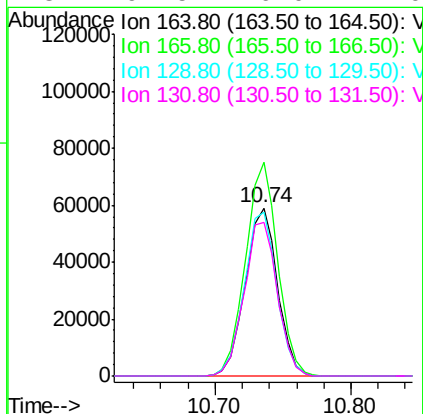
Manual Integrations
APPROVED

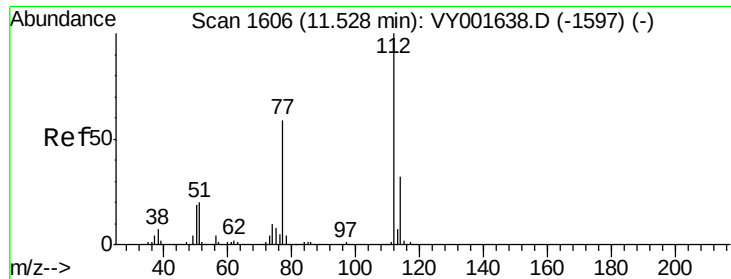
MMDadoda
2/21/2020 3:23:17 PM



#64
Tetrachloroethene
Concen: 46.191 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.4	152.0
129	97.5	78.7	118.1
131	91.5	76.0	114.0





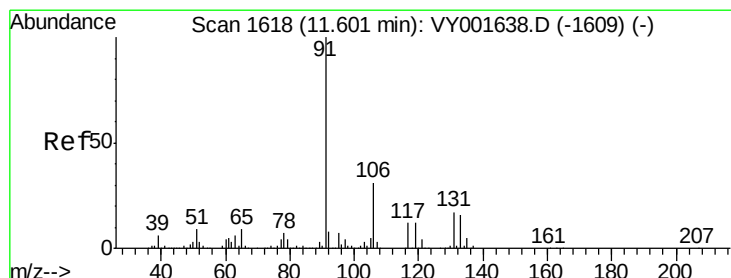
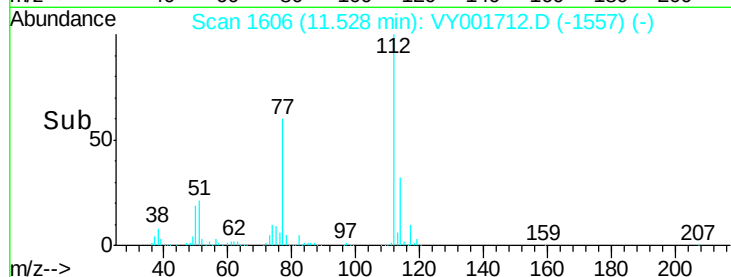
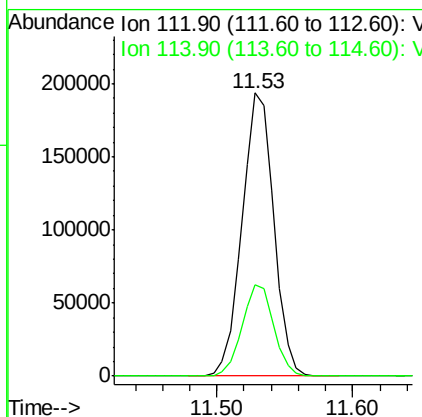
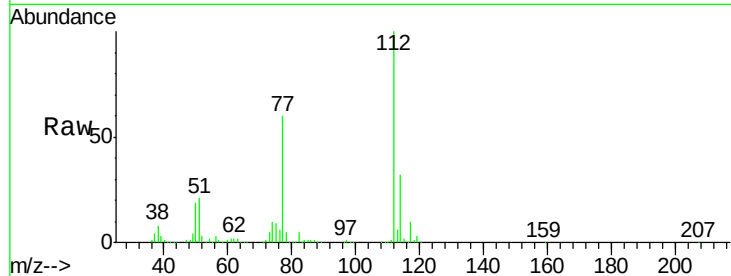
#65
Chlorobenzene
Concen: 46.787 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

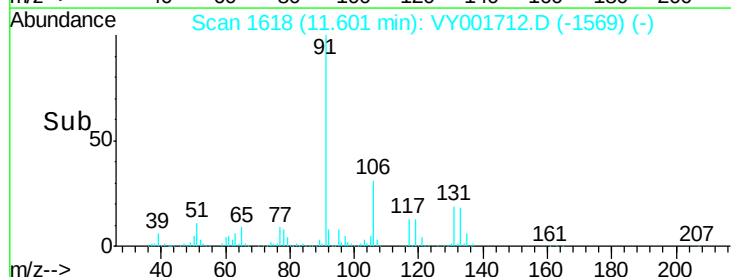
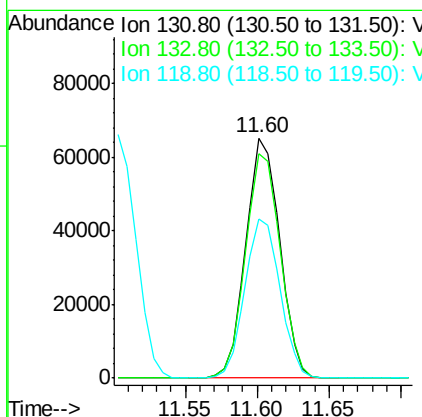
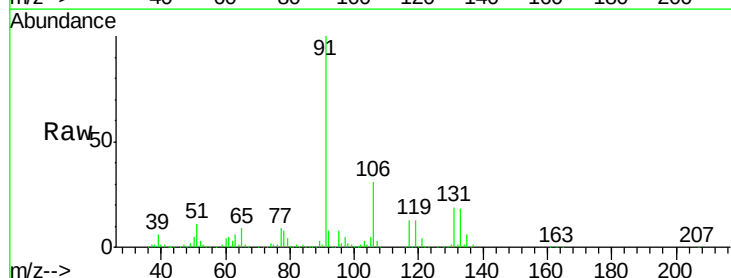
Manual Integrations
APPROVED

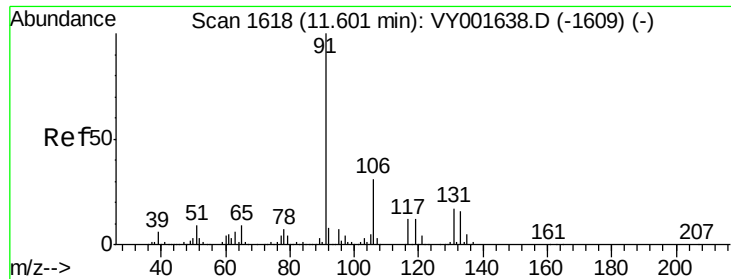
MMDadoda
2/21/2020 3:23:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.777 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.4	142.2
119	68.7	34.4	103.1





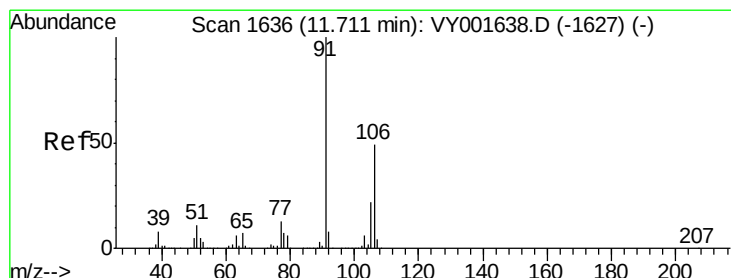
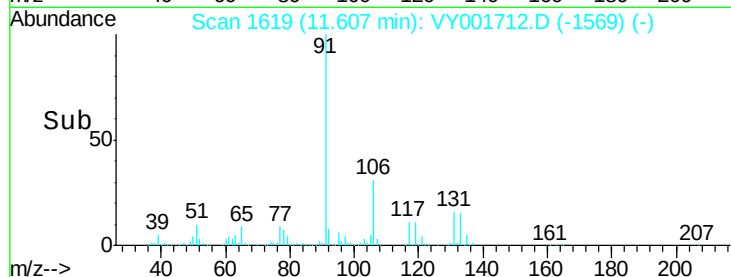
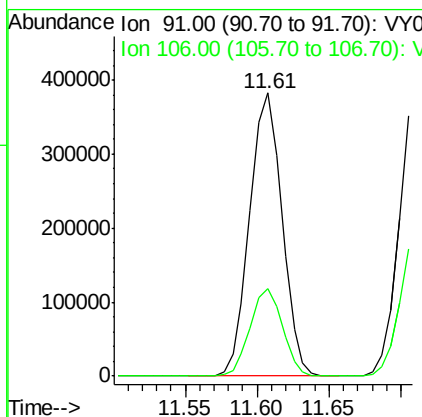
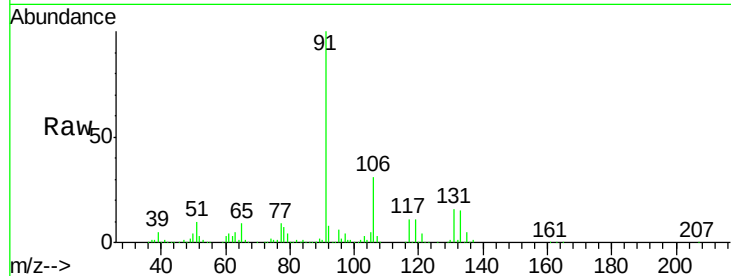
#67
Ethyl Benzene
Concen: 47.702 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 596429
Ion Ratio Lower Upper
91 100
106 30.7 24.5 36.7

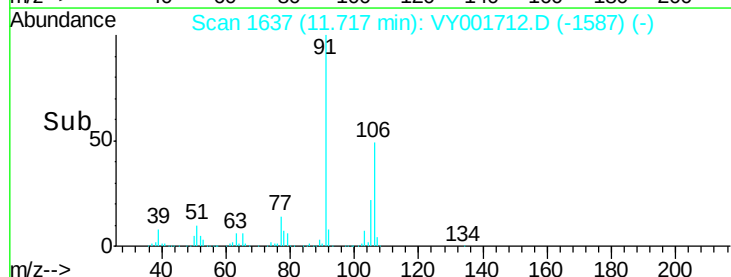
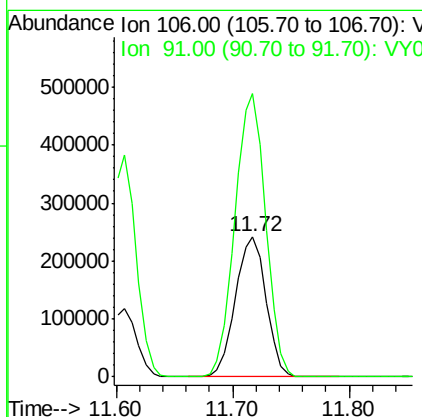
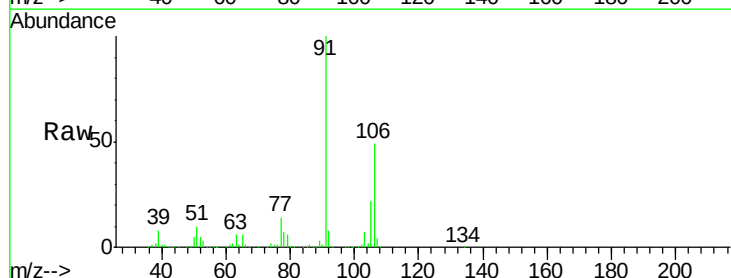
Manual Integrations
APPROVED

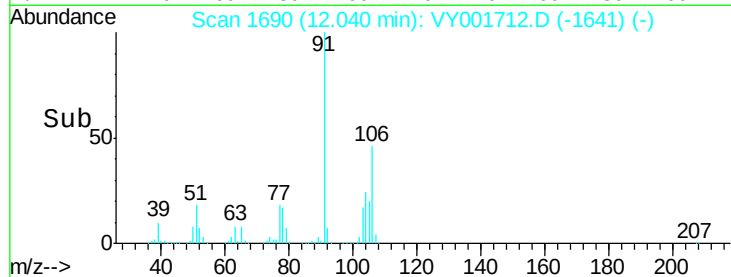
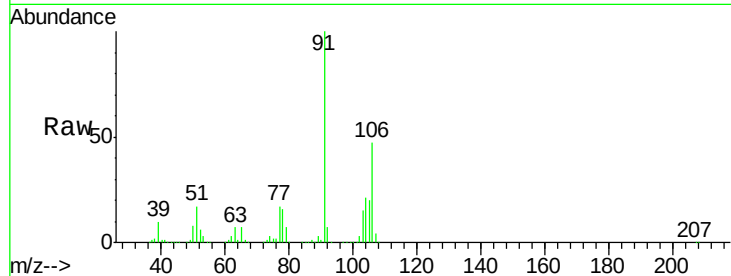
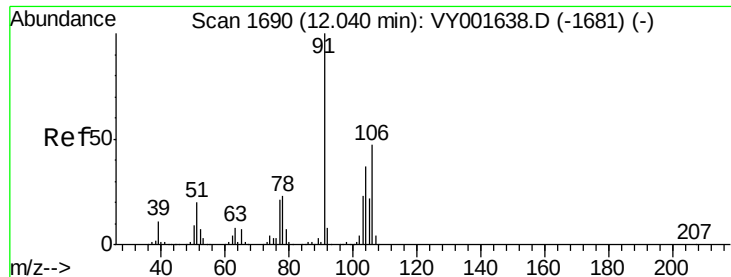
MMDadoda
2/21/2020 3:23:17 PM



#68
m/p-Xylenes
Concen: 94.984 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion: 106 Resp: 443622
Ion Ratio Lower Upper
106 100
91 202.9 163.3 244.9





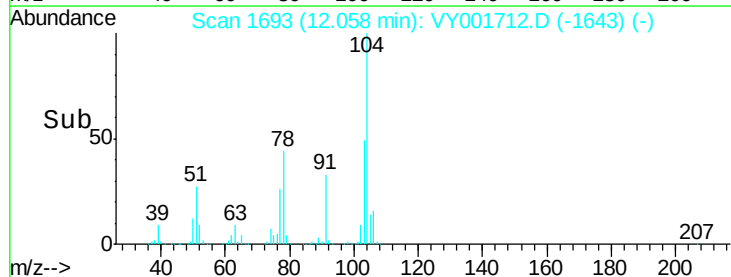
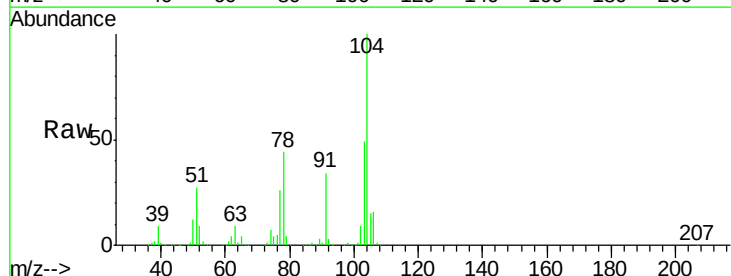
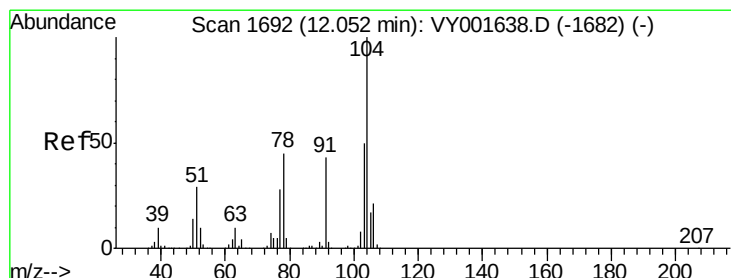
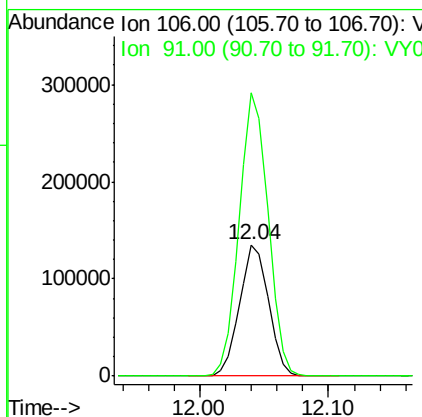
#69
o-Xylene
Concen: 47.229 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tot Ion:106 Resp: 209709
Ion Ratio Lower Upper
106 100
91 215.8 108.3 324.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

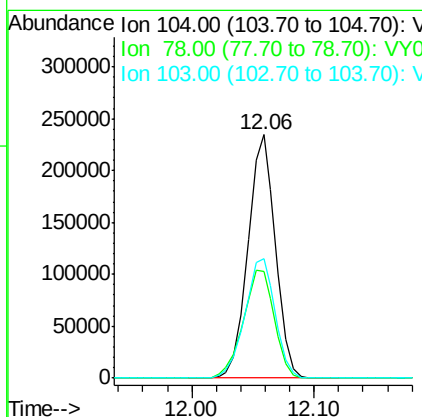
Manual Integrations
APPROVED

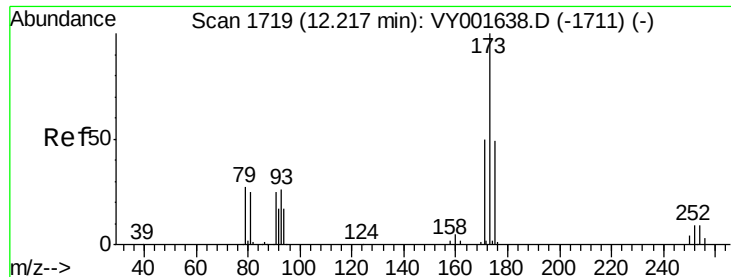
MMDadoda
2/21/2020 3:23:17 PM



#70
Styrene
Concen: 47.316 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion:104 Resp: 365128
Ion Ratio Lower Upper
104 100
78 50.1 39.2 58.8
103 54.2 43.0 64.6





#71

Bromoform

Concen: 47.408 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 61575

Ion Ratio Lower Upper

173 100

175 47.2 24.3 73.0

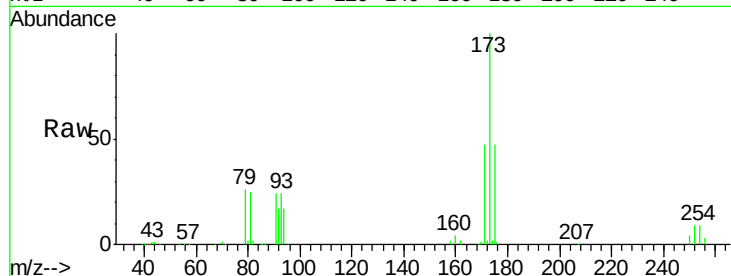
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

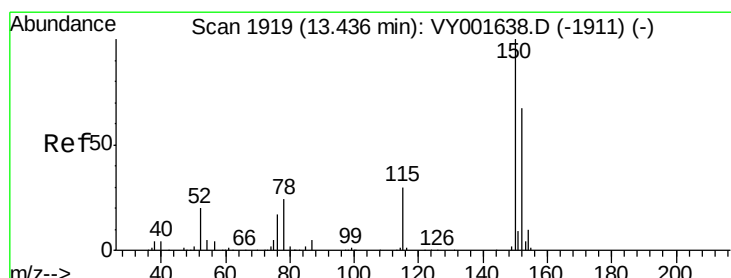
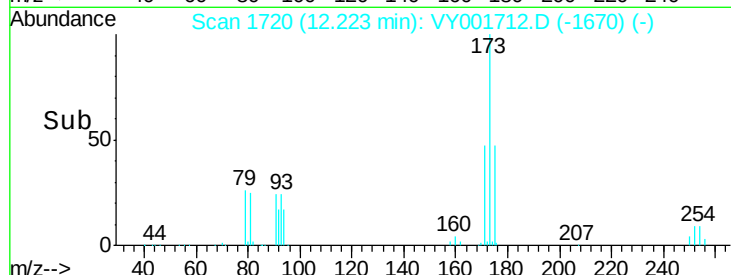
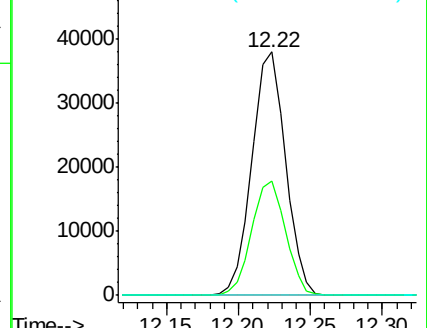
2/21/2020 3:23:17 PM



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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

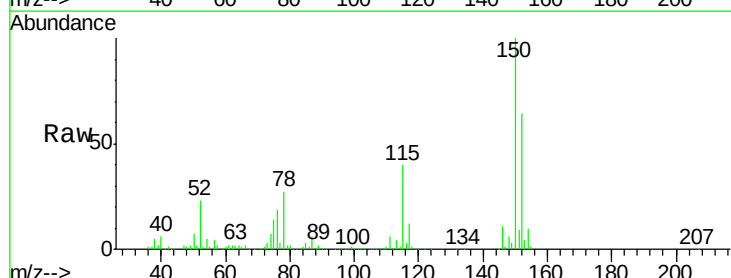
Tgt Ion:152 Resp: 159715

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

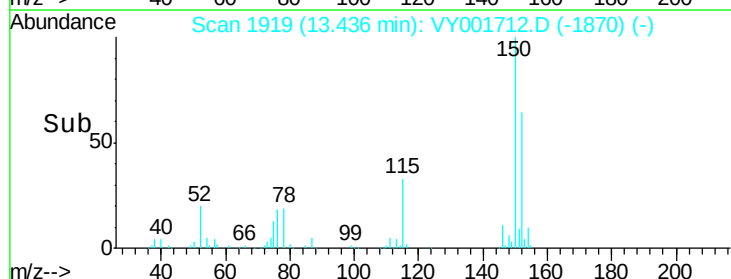
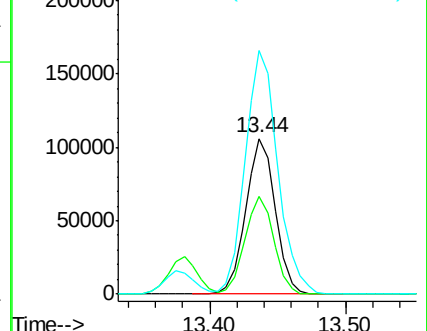
150 173.2 0.0 407.2

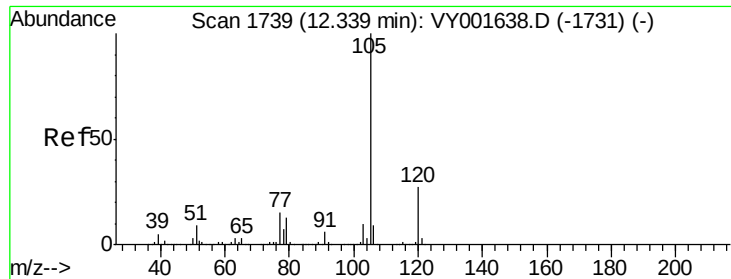


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.190 ug/l

RT: 12.35 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 574182

Ion Ratio Lower Upper

105 100

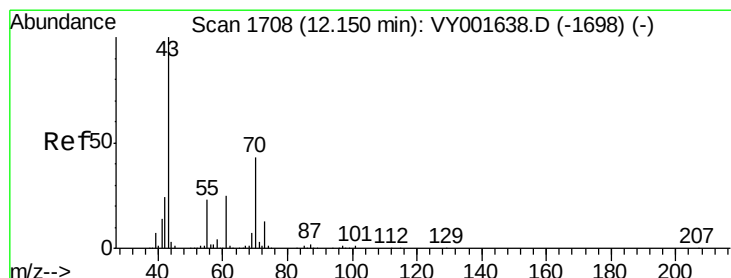
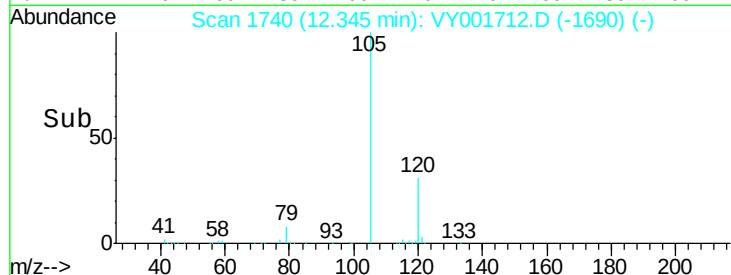
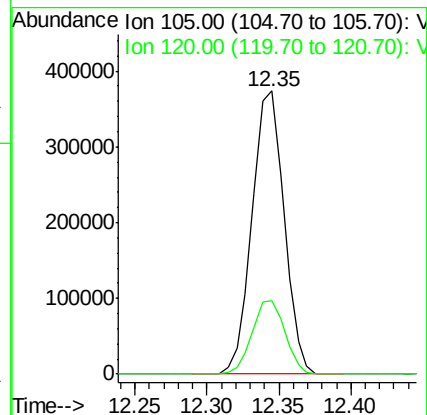
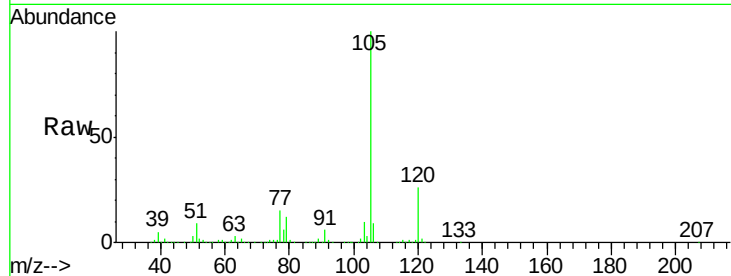
120 26.7 13.4 40.1

Manual Integrations

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2/21/2020 3:23:17 PM



#74

N-ethyl acetate

Concen: 47.080 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Tgt Ion: 43 Resp: 182819

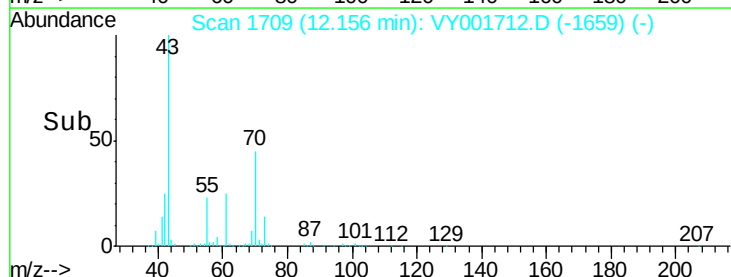
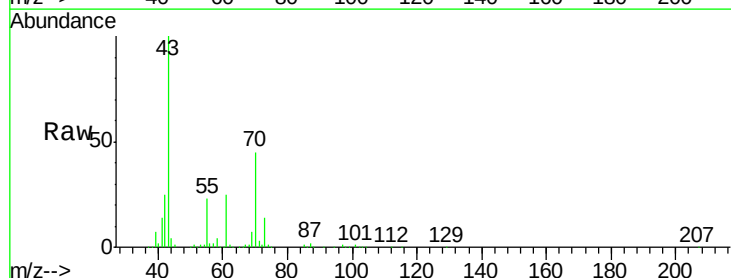
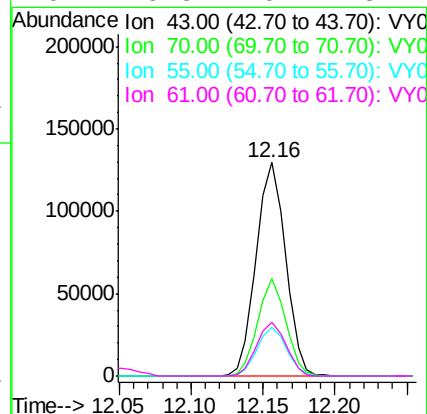
Ion Ratio Lower Upper

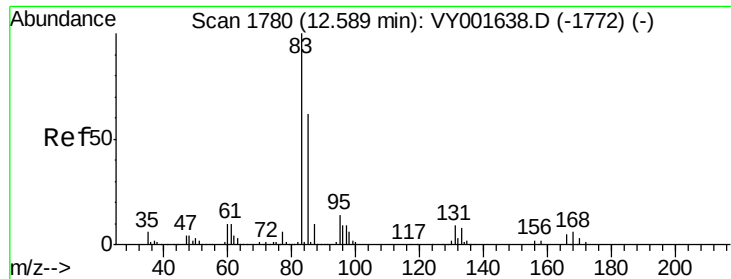
43 100

70 43.3 35.9 53.9

55 23.0 18.3 27.5

61 25.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.563 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

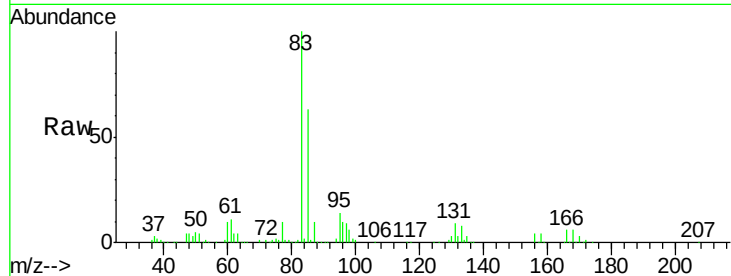
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120971
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	65.0	31.6	94.7

Manual Integrations
APPROVED

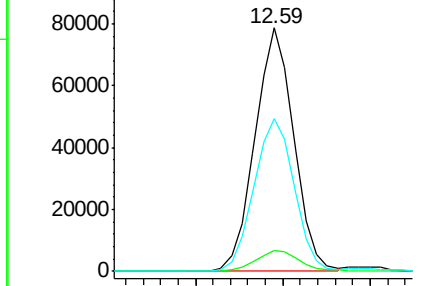
MMDadoda
2/21/2020 3:23:17 PM



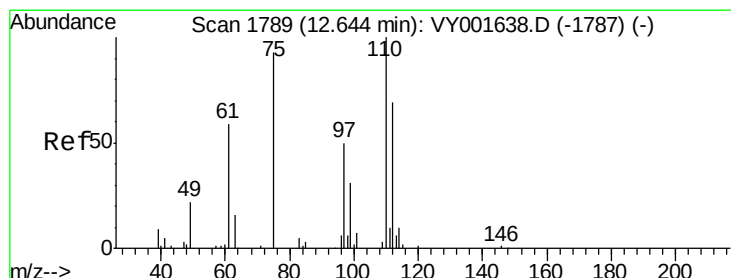
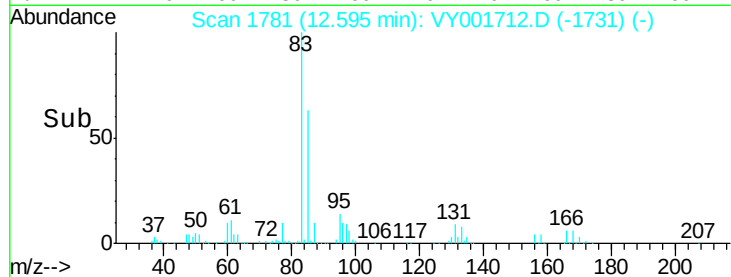
Abundance Ion 82.90 (82.60 to 83.60): VY001712.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY001712.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY001712.D (-1731) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 47.892 ug/l m

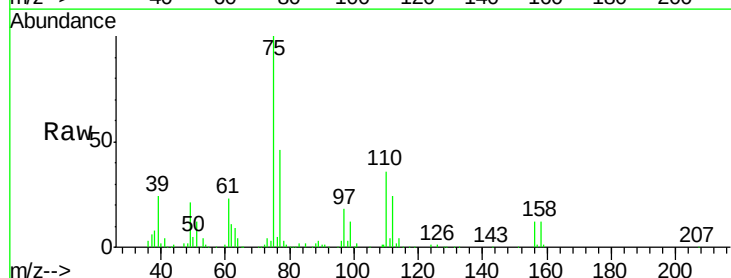
RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001712.D

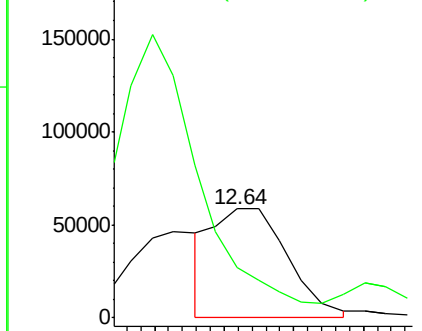
Acq: 20 Feb 2020 10:19

Tgt Ion:	75	Resp:	87745
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

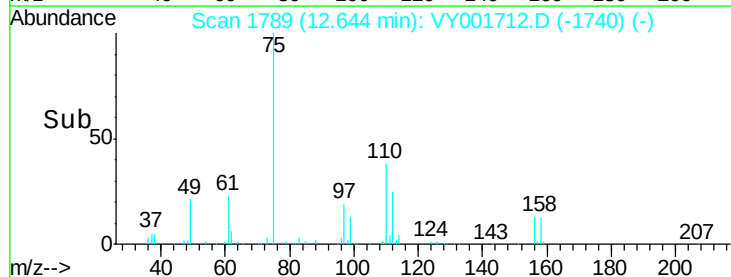


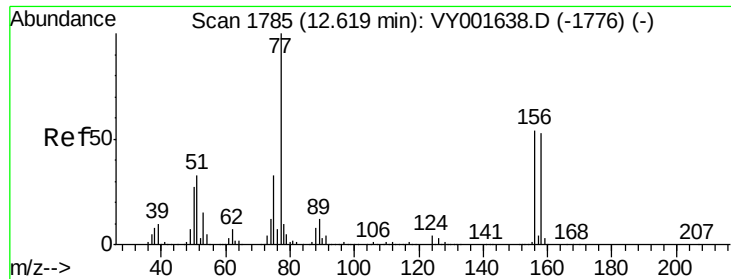
Abundance Ion 74.90 (74.60 to 75.60): VY001712.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY001712.D (-1740) (-)



Time-->





#77

Bromobenzene

Concen: 46.337 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

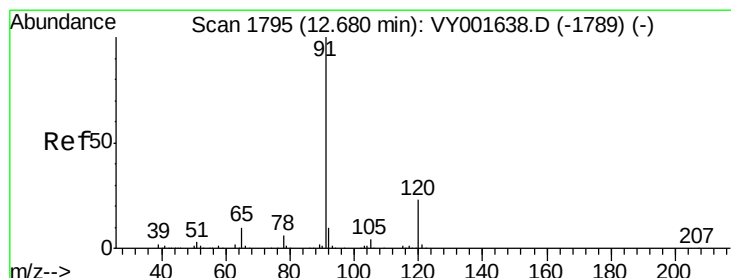
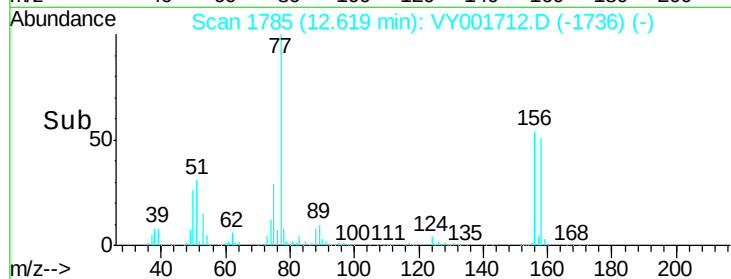
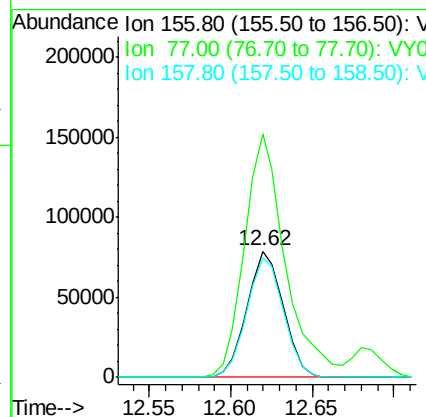
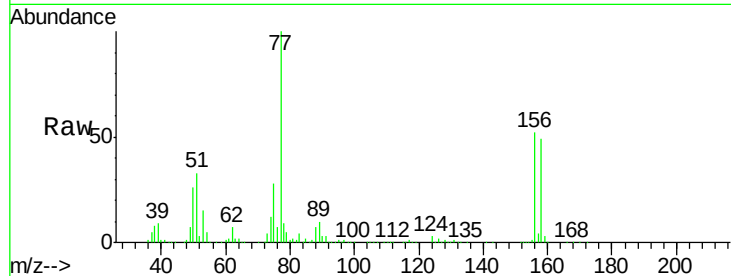
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.4	110.1	330.1
158	96.1	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 47.586 ug/l

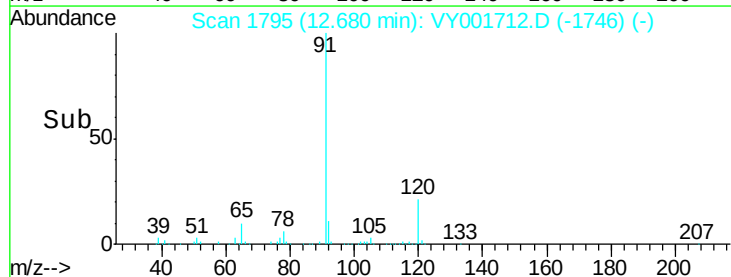
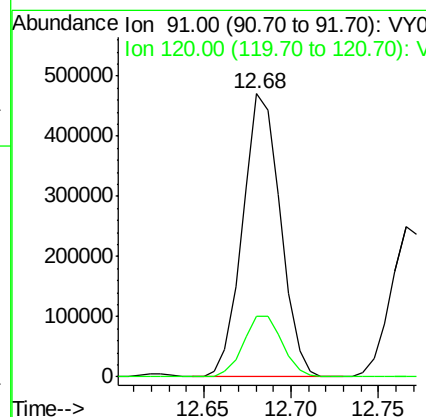
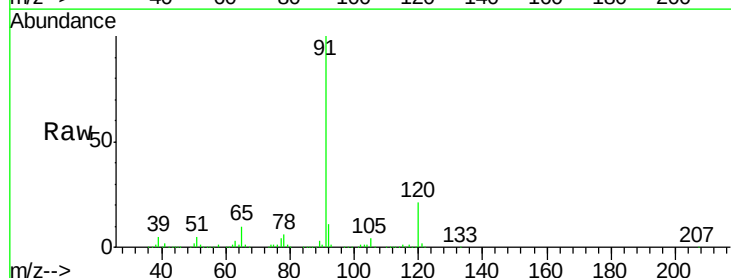
RT: 12.68 min Scan# 1795

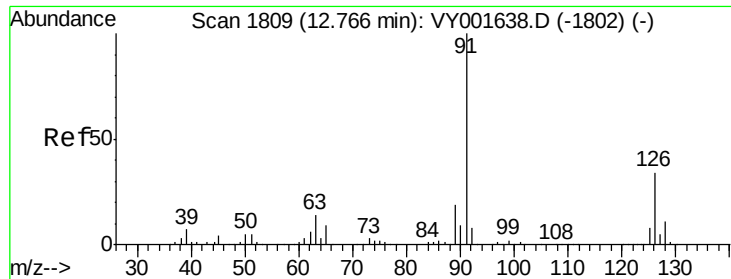
Delta R.T. 0.00 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





#79

2-Chlorotoluene

Concen: 46.710 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 388225

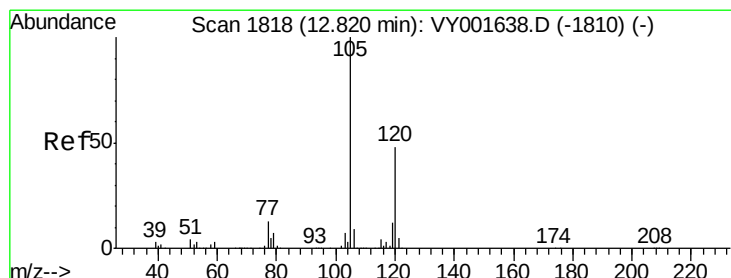
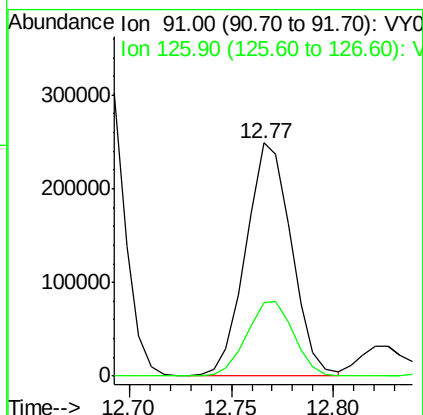
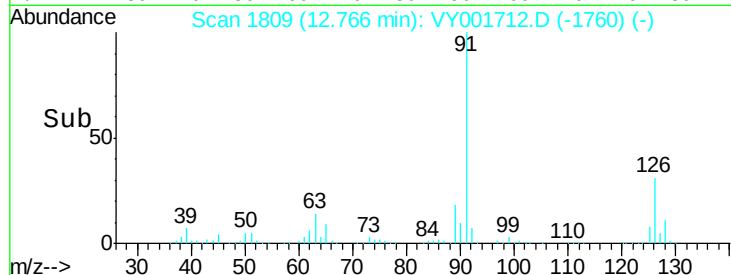
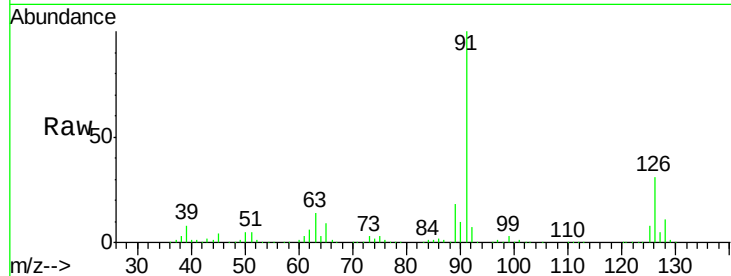
Ion Ratio Lower Upper

91 100

126 32.7 16.2 48.6

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 47.497 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001712.D

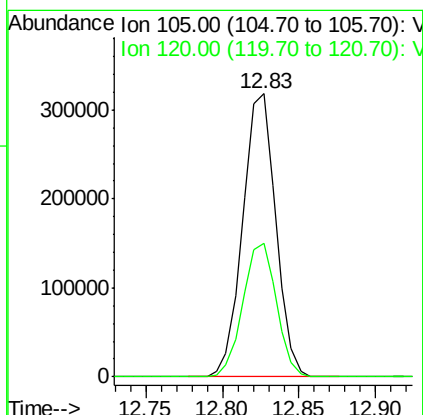
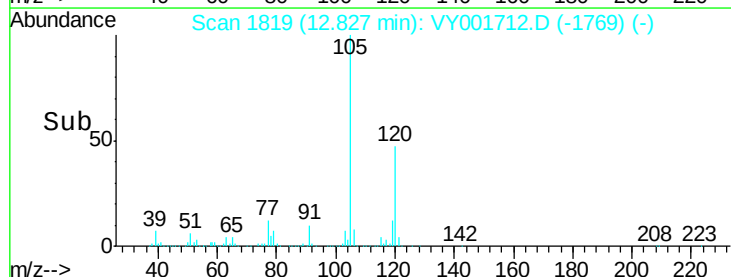
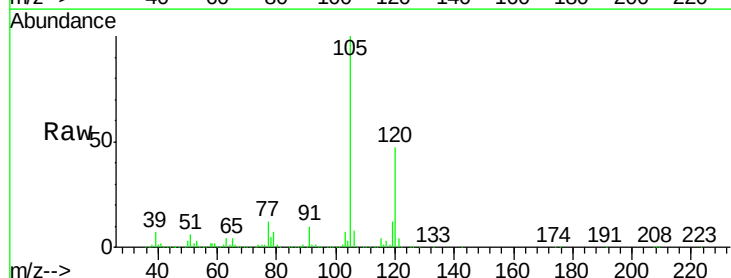
Acq: 20 Feb 2020 10:19

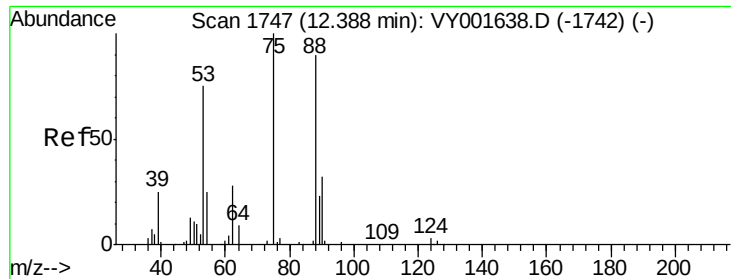
Tgt Ion: 105 Resp: 478388

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 48.137 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Instrument :

MSVOA_Y

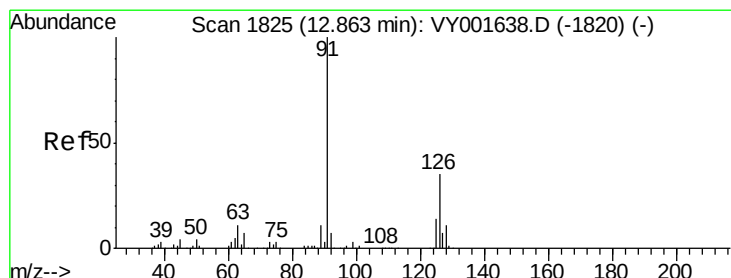
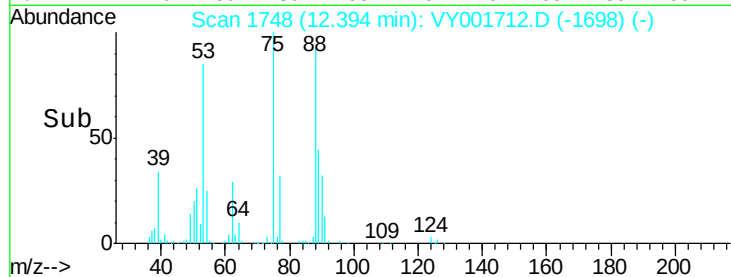
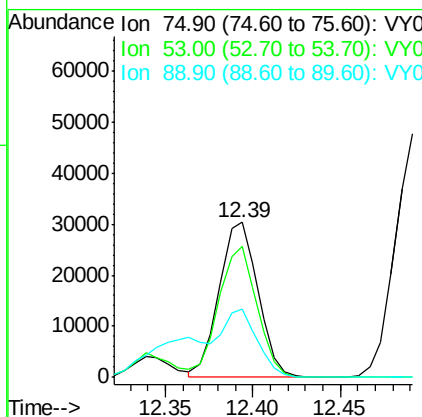
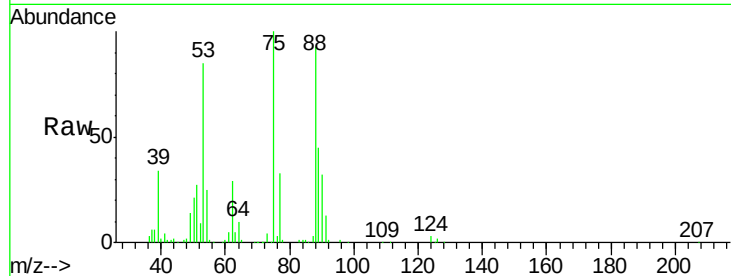
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	46487
Ion	Ratio	Lower	Upper
75	100		
53	84.4	64.5	96.7
89	40.1	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.222 ug/l

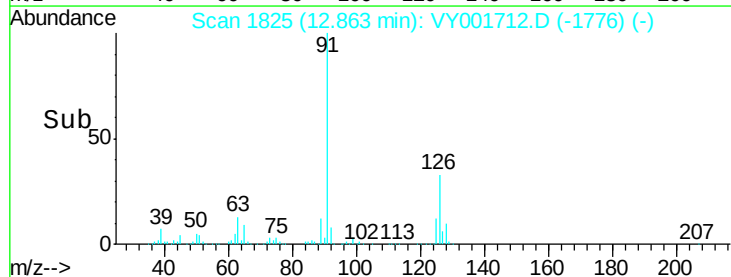
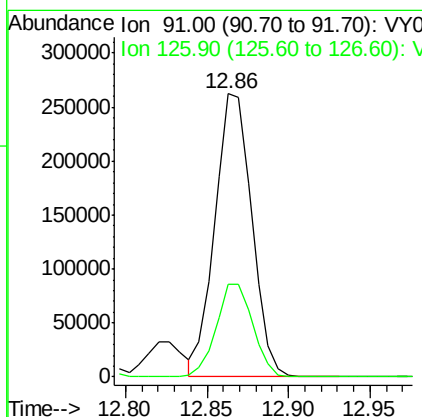
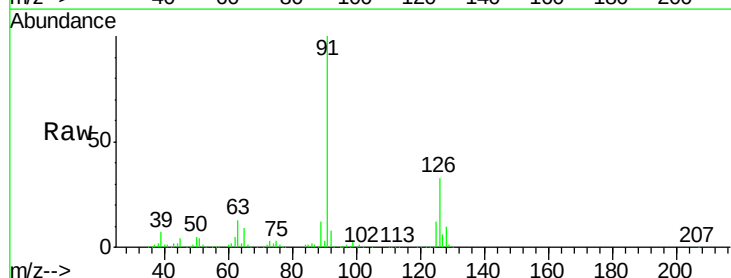
RT: 12.86 min Scan# 1825

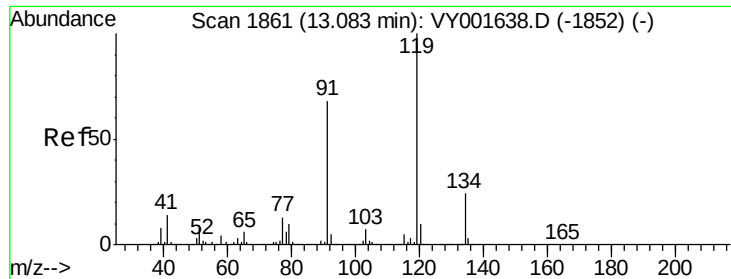
Delta R.T. 0.00 min

Lab File: VY001712.D

Acq: 20 Feb 2020 10:19

Tgt Ion:	91	Resp:	413944
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





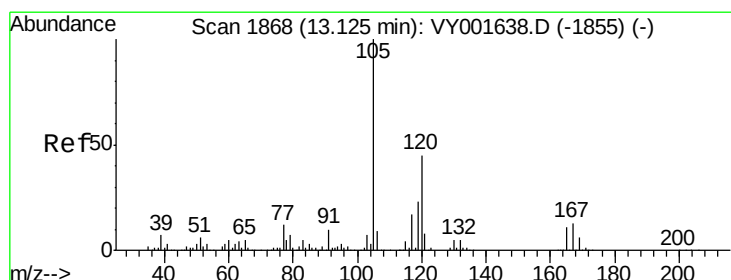
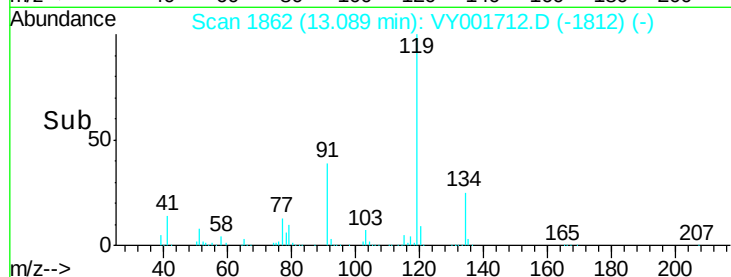
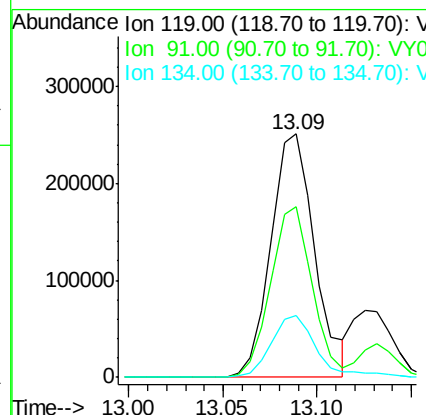
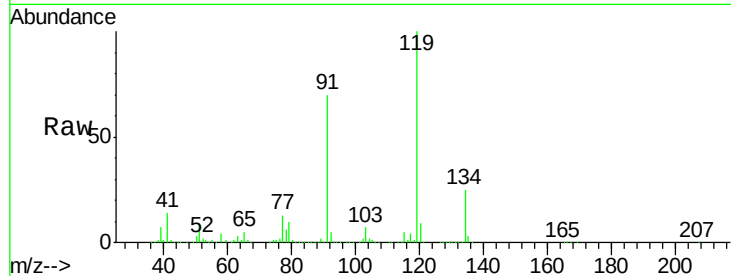
#83
tert-Butylbenzene
Concen: 48.072 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	404951		
91	66.6	33.5	100.5	
134	26.3	13.3	39.8	

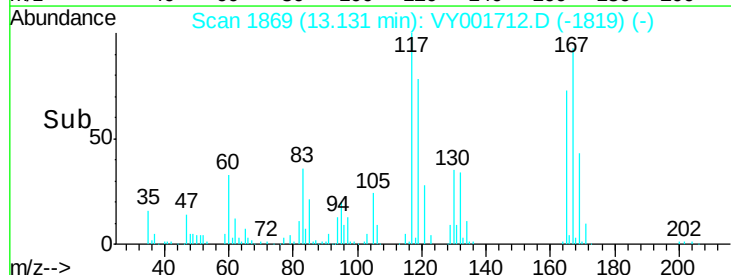
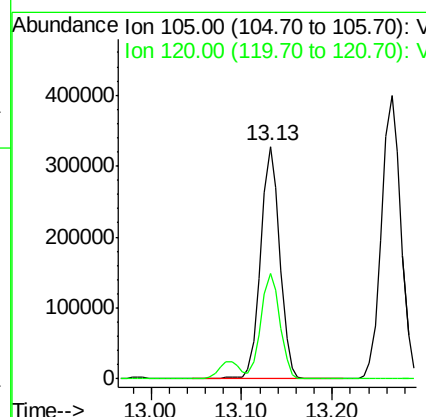
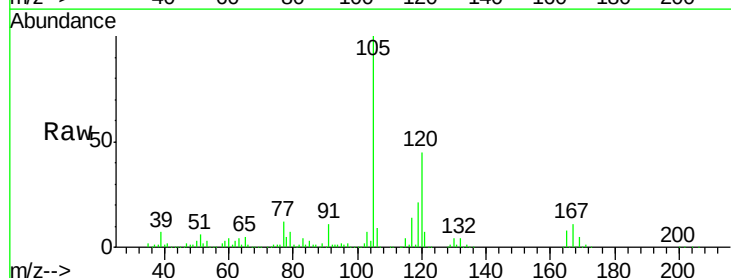
Manual Integrations
APPROVED

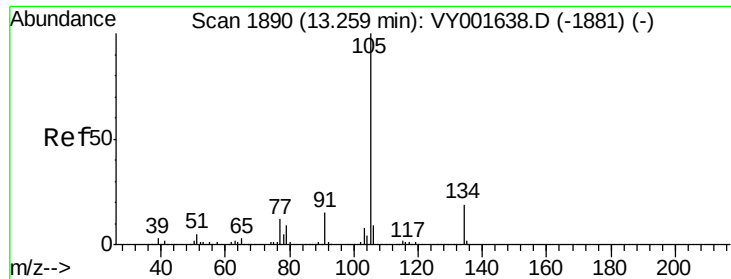
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.473 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	476691		
120	45.0	22.4	67.3	





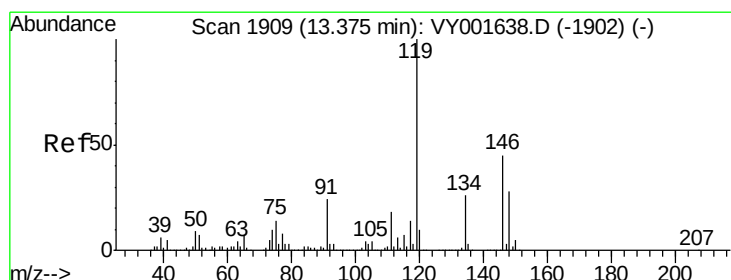
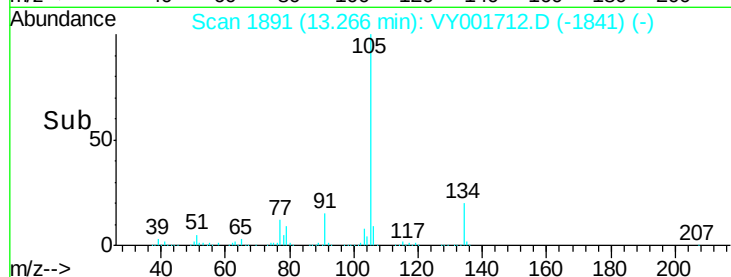
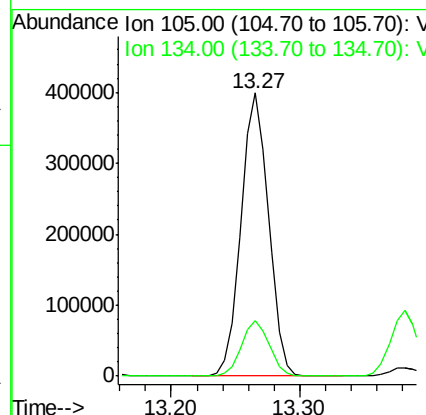
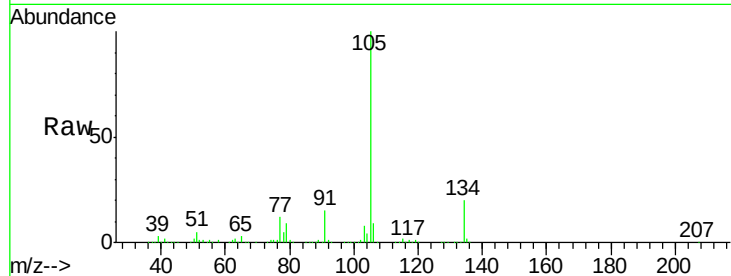
#85
 sec-Butylbenzene
 Concen: 47.597 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	589688		
134	19.6	9.8	29.3	

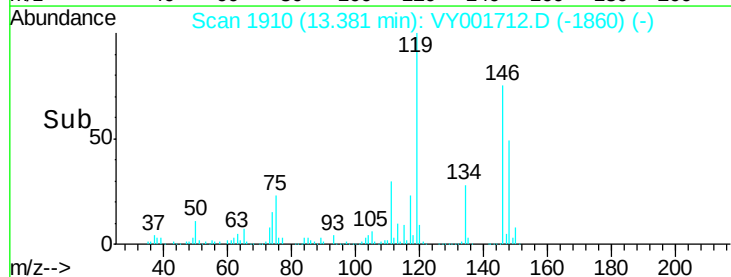
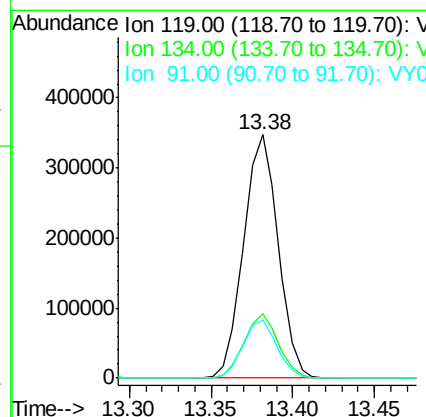
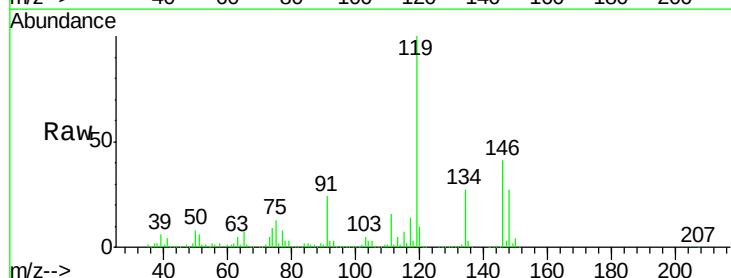
Manual Integrations
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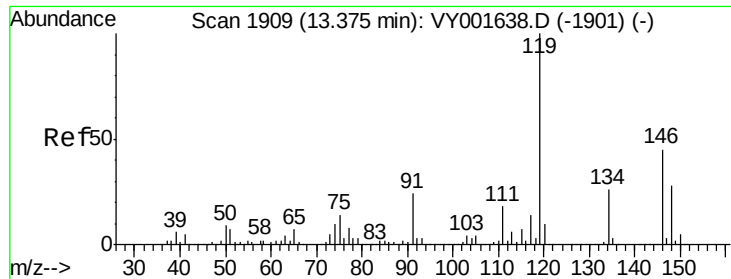
MMDadoda
 2/21/2020 3:23:17 PM



#86
 p-Isopropyltoluene
 Concen: 47.575 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	512042		
134	26.3	13.0	39.0	
91	23.6	12.2	36.6	





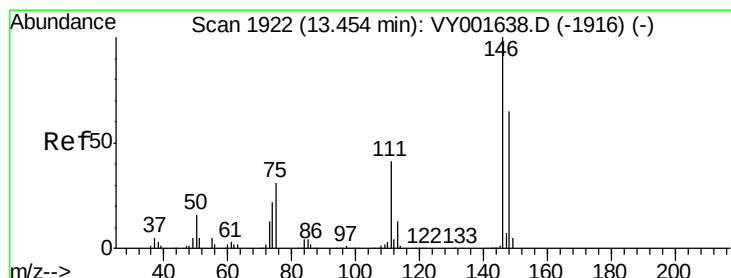
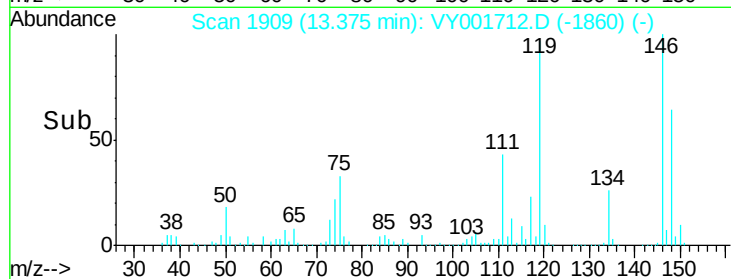
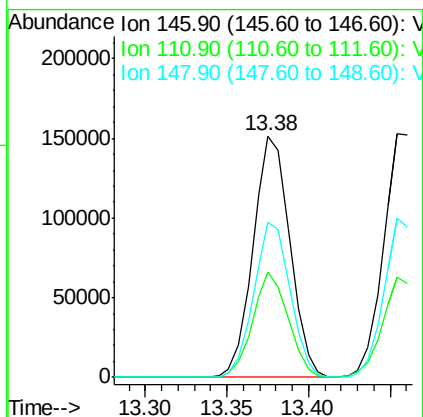
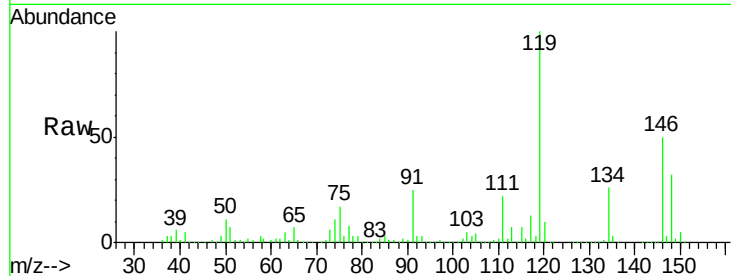
#87
 1,3-Dichlorobenzene
 Concen: 46.315 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	236924		
111	42.1	21.4	64.3	
148	63.6	31.6	94.7	

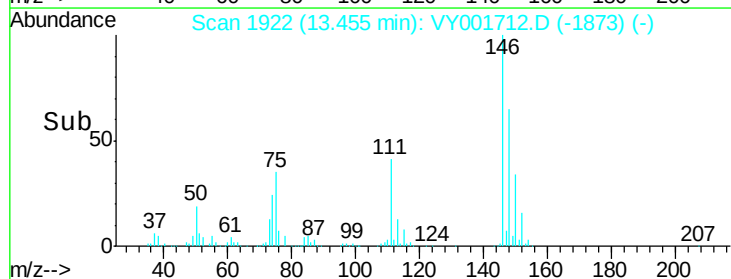
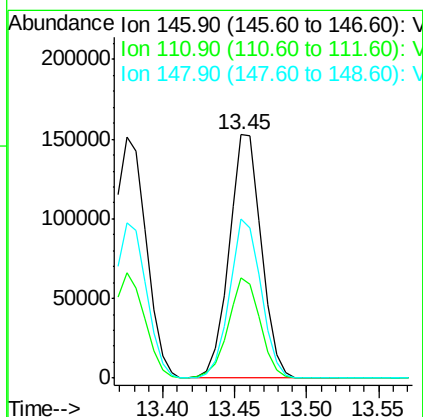
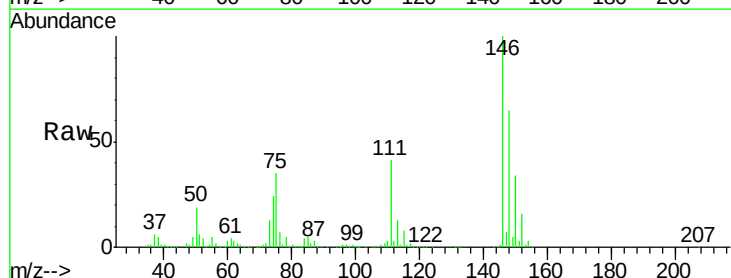
Manual Integrations
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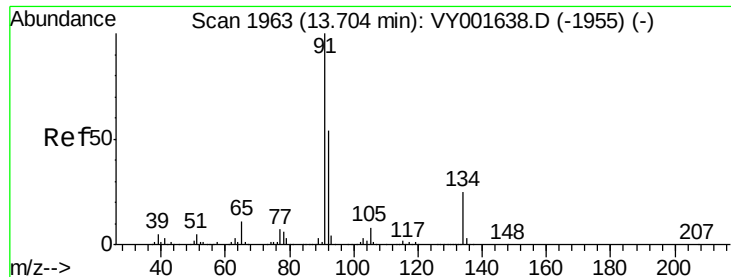
MMDadoda
 2/21/2020 3:23:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.136 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001712.D
 Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	238567		
111	40.9	20.4	61.3	
148	63.8	31.6	94.7	





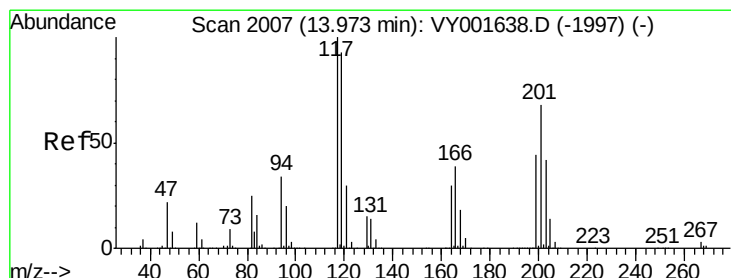
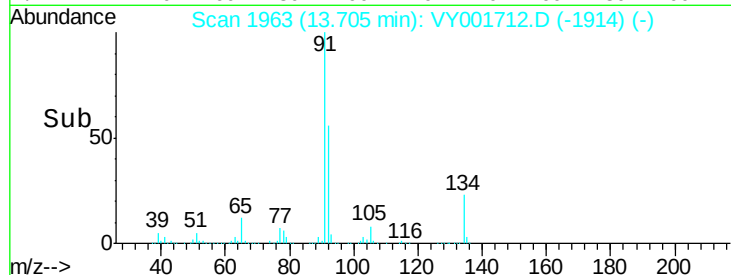
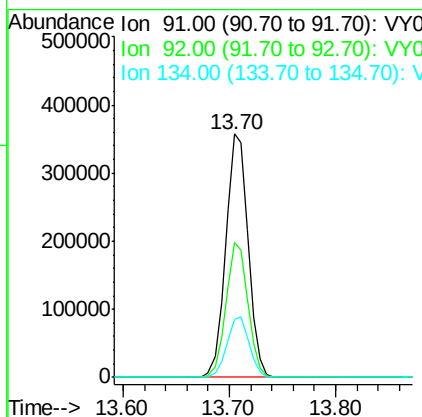
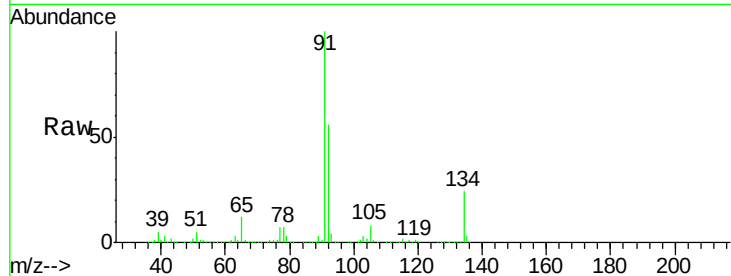
#89
n-Butylbenzene
Concen: 47.732 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		524940		
92	54.3	27.5		82.4	
134	24.7	12.4		37.4	

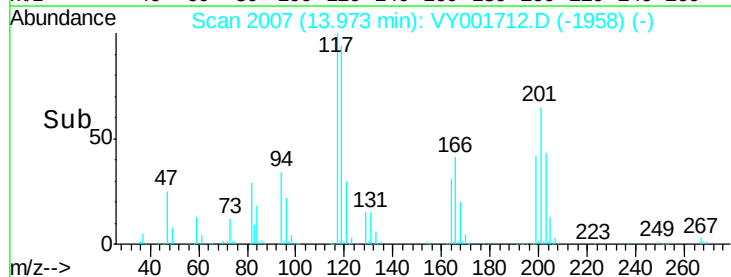
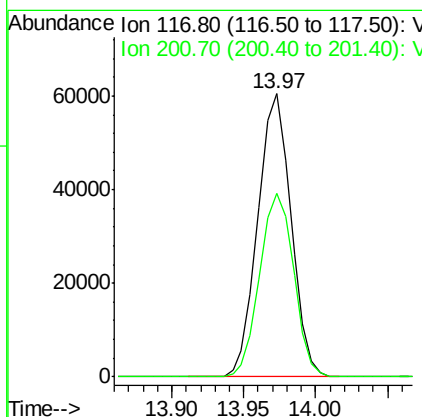
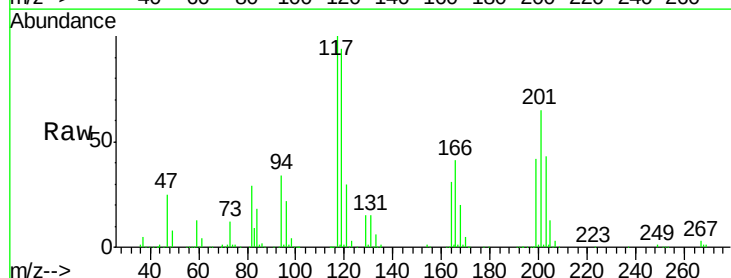
Manual Integrations
APPROVED

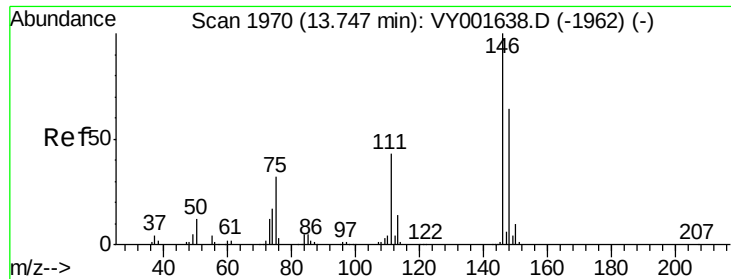
MMDadoda
2/21/2020 3:23:17 PM



#90
Hexachloroethane
Concen: 47.708 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		96744		
201	66.5	32.5		97.4	





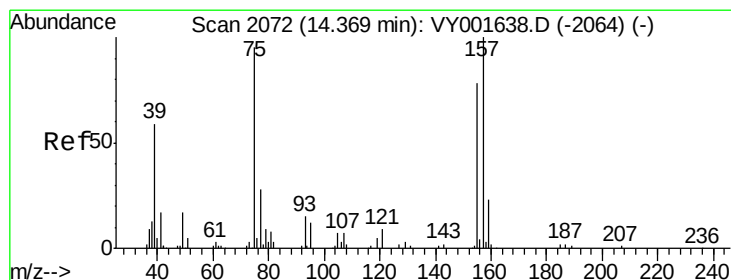
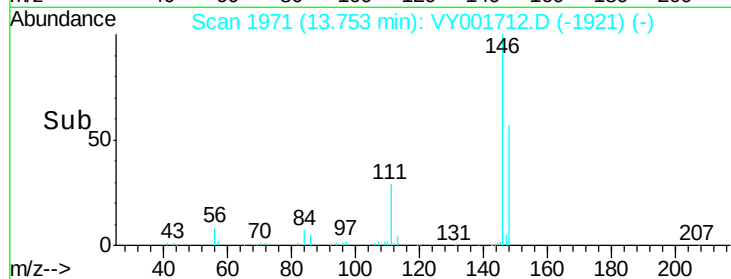
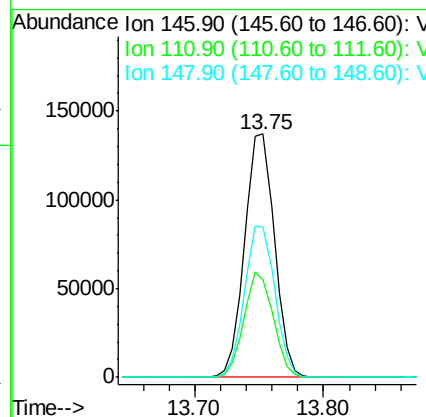
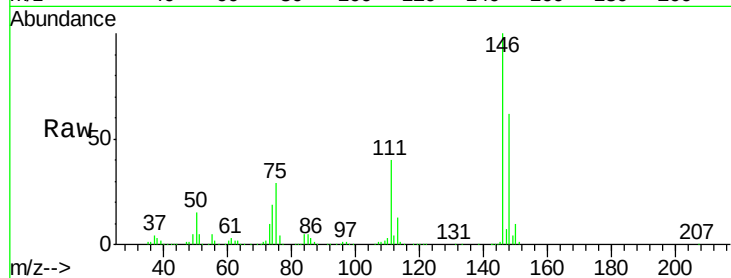
#91
1,2-Dichlorobenzene
Concen: 46.503 ug/l
RT: 13.75 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.7
148	63.3	31.5	94.5

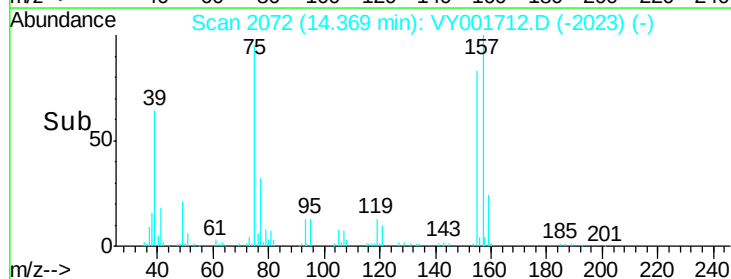
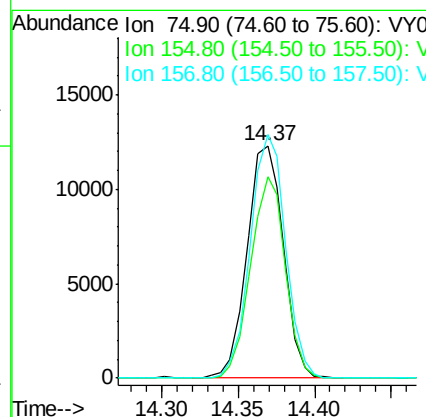
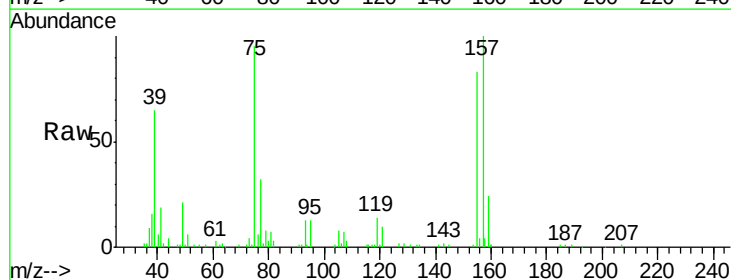
Manual Integrations
APPROVED

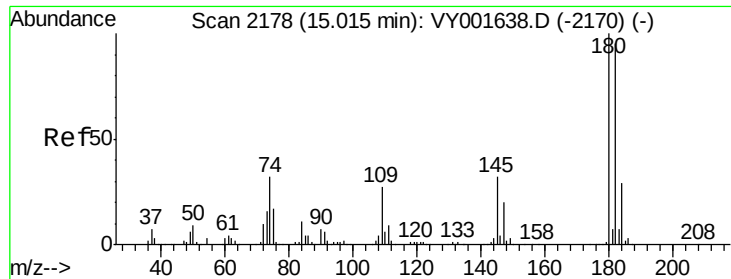
MMDadoda
2/21/2020 3:23:17 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.400 ug/l
RT: 14.37 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	40.8	122.4
157	101.5	52.1	156.4





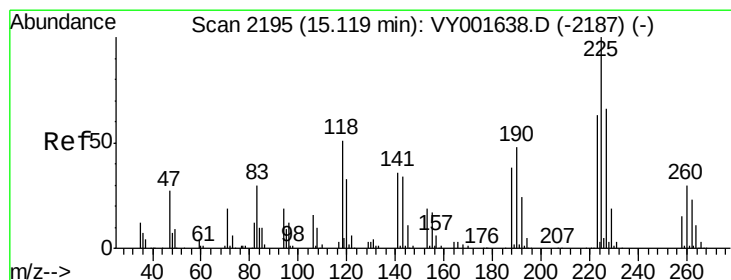
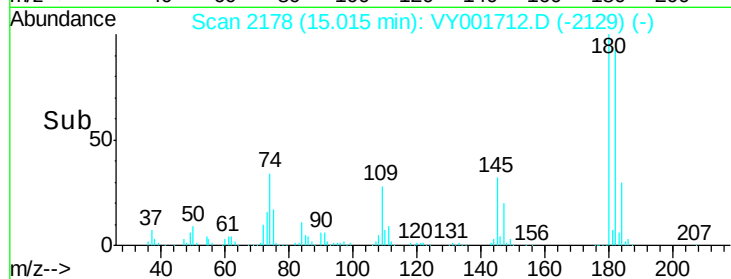
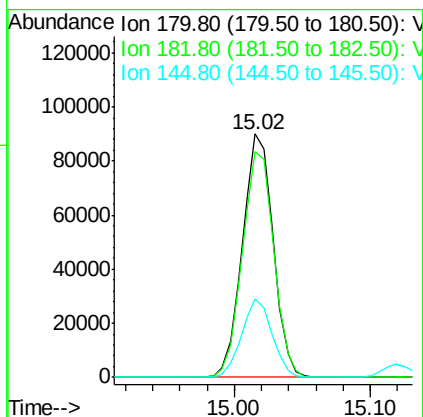
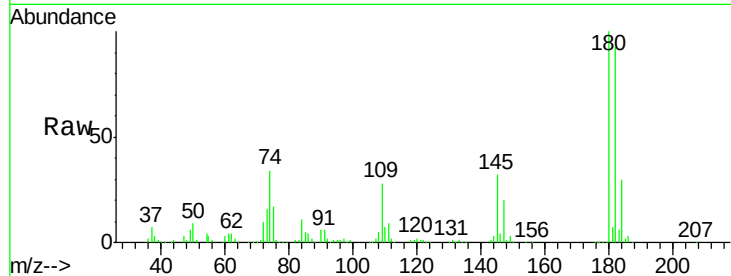
#93
1,2,4-Trichlorobenzene
Concen: 45.446 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142175		
182	95.1	46.8	140.3	
145	32.0	16.2	48.5	

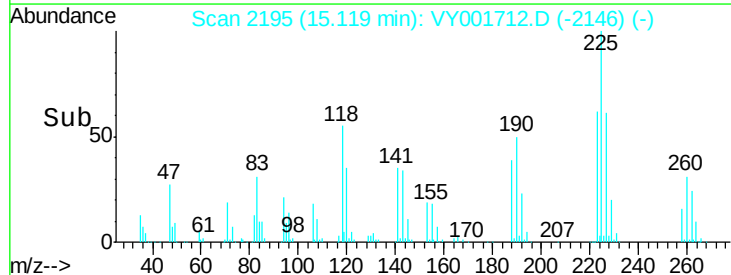
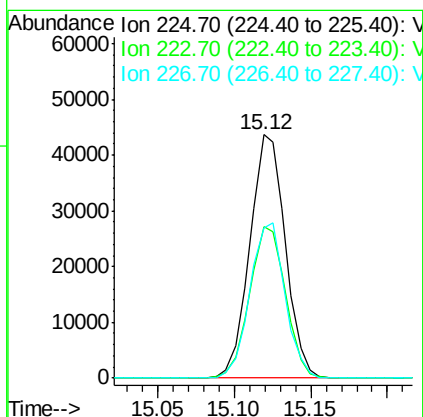
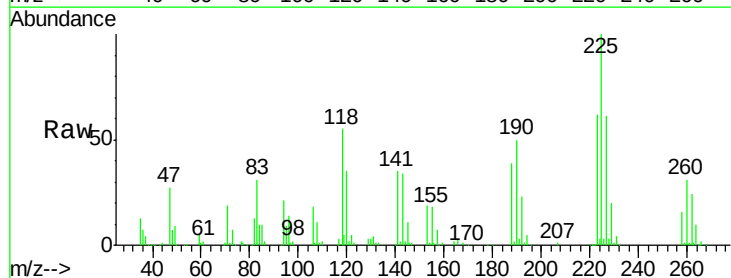
Manual Integrations
APPROVED

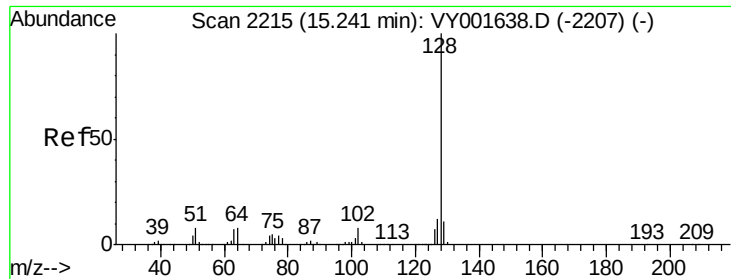
MMDadoda
2/21/2020 3:23:17 PM



#94
Hexachlorobutadiene
Concen: 45.098 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70165		
223	63.4	31.4	94.0	
227	63.1	31.6	94.8	





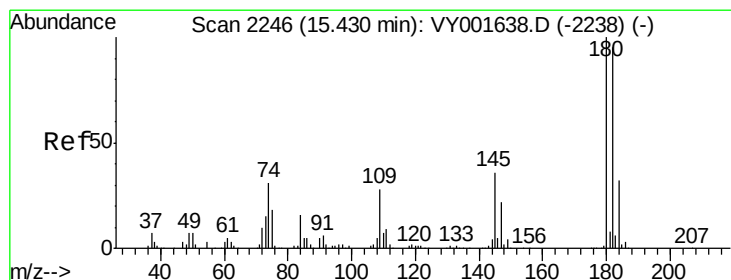
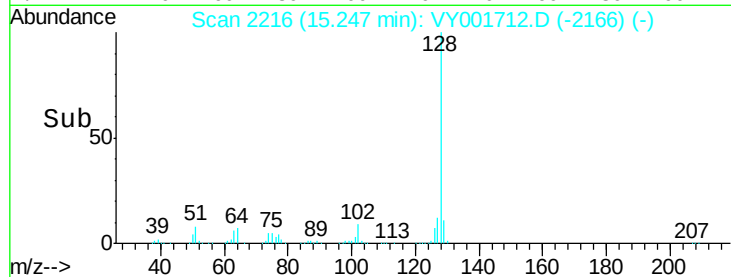
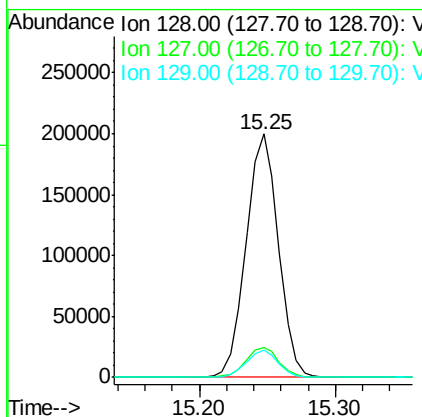
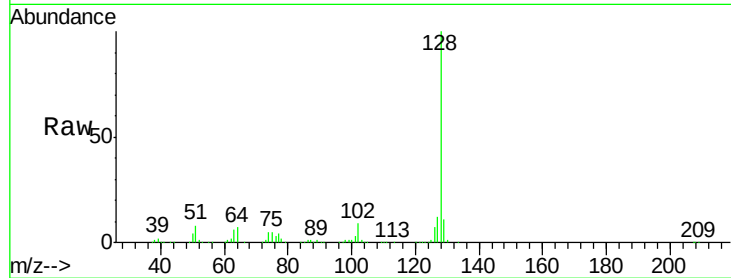
#95
Naphthalene
Concen: 45.973 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	331611		
127	12.6		9.9	14.9
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:23:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.281 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001712.D
Acq: 20 Feb 2020 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	124627		
182	92.7		47.2	141.6
145	33.7		17.3	52.0

