

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001443.D
 Acq On : 30 Jan 2020 20:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 1/31/2020 4:26:04 PM

Quant Time: Jan 31 04:11:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	166629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	305307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	276854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	132613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	103314	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
35) Dibromofluoromethane	7.75	113	95352	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.19	98	385402	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.50	95	143781	51.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	65013	49.475	ug/l	99
3) Chloromethane	2.13	50	96793	48.737	ug/l	100
4) Vinyl Chloride	2.26	62	100161	48.367	ug/l	97
5) Bromomethane	2.66	94	70034	50.215	ug/l	99
6) Chloroethane	2.81	64	66645	50.365	ug/l	92
7) Trichlorofluoromethane	3.15	101	136790	51.627	ug/l	97
8) Diethyl Ether	3.55	74	58796	52.567	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	89105	52.808	ug/l	99
10) Methyl Iodide	4.11	142	104780	47.083	ug/l	99
11) Tert butyl alcohol	4.99	59	57284	251.413	ug/l	99
12) 1,1-Dichloroethene	3.90	96	87681	49.560	ug/l	94
13) Acrolein	3.75	56	38530	288.495	ug/l	99
14) Allyl chloride	4.50	41	162190	51.407	ug/l	99
15) Acrylonitrile	5.20	53	163459	285.504	ug/l	99
16) Acetone	3.97	43	136840	287.634	ug/l	98
17) Carbon Disulfide	4.22	76	256094	46.026	ug/l	98
18) Methyl Acetate	4.50	43	83593	54.670	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	278209	53.707	ug/l	99
20) Methylene Chloride	4.75	84	110709	49.394	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	102372	49.815	ug/l	98
22) Diisopropyl ether	6.15	45	355185	53.016	ug/l	97
23) Vinyl Acetate	6.09	43	1170326	269.076	ug/l	99
24) 1,1-Dichloroethane	6.05	63	185341	52.485	ug/l	98
25) 2-Butanone	7.02	43	221209	280.300	ug/l	98
26) 2,2-Dichloropropane	7.01	77	154726	49.189	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	120153	52.315	ug/l	99
28) Bromochloromethane	7.36	49	91019	62.500	ug/l	98
29) Tetrahydrofuran	7.38	42	146246	284.839	ug/l	98
30) Chloroform	7.53	83	181314	52.383	ug/l	100
31) Cyclohexane	7.81	56	170497	48.628	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	151475	51.829	ug/l	100
36) 1,1-Dichloropropene	7.94	75	141913	49.200	ug/l	100
37) Ethyl Acetate	7.10	43	97357	55.245	ug/l	99
38) Carbon Tetrachloride	7.92	117	127693	49.674	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	179260	48.514	ug/l	97
40) Benzene	8.19	78	437332	50.567	ug/l	100
41) Methacrylonitrile	7.35	41	45314m	49.828	ug/l	
42) 1,2-Dichloroethane	8.26	62	124446	51.497	ug/l	99
43) Isopropyl Acetate	8.30	43	187481	54.712	ug/l	99
44) Trichloroethene	8.96	130	108096	48.706	ug/l	97
45) 1,2-Dichloropropane	9.24	63	112827	51.606	ug/l	100
46) Dibromomethane	9.32	93	60493	51.539	ug/l	98
47) Bromodichloromethane	9.52	83	145488	51.852	ug/l	97
48) Methyl methacrylate	9.31	41	84254	54.085	ug/l	99
49) 1,4-Dioxane	9.32	88	17786	1074.556	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	490321	277.847	ug/l	100
52) Toluene	10.26	92	273458	49.879	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	161370	51.888	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	179323	50.236	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	90589	52.291	ug/l	98
56) Ethyl methacrylate	10.52	69	142022	54.240	ug/l	99
57) 1,3-Dichloropropane	10.80	76	160927	53.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	244598	269.958	ug/l	99
59) 2-Hexanone	10.85	43	355488	289.358	ug/l	99
60) Dibromochloromethane	11.00	129	100960	52.105	ug/l	99
61) 1,2-Dibromoethane	11.10	107	87625	53.504	ug/l	99
64) Tetrachloroethene	10.74	164	91233	51.589	ug/l	98
65) Chlorobenzene	11.53	112	289841	49.667	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	101857	51.145	ug/l	99
67) Ethyl Benzene	11.61	91	536343	49.871	ug/l	99
68) m/p-Xylenes	11.72	106	399590	99.483	ug/l	99
69) o-Xylene	12.04	106	191759	49.626	ug/l	99
70) Styrene	12.06	104	343891	50.724	ug/l	99
71) Bromoform	12.22	173	60820	51.160	ug/l #	99
73) Isopropylbenzene	12.34	105	514766	49.193	ug/l	100
74) N-amyl acetate	12.16	43	184687	53.918	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	119664	53.396	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	90035m	56.342	ug/l	
77) Bromobenzene	12.62	156	115622	49.886	ug/l	97
78) n-propylbenzene	12.69	91	625678	49.676	ug/l	99
79) 2-Chlorotoluene	12.77	91	357361	49.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	432463	49.510	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	44685	52.917	ug/l	95
82) 4-Chlorotoluene	12.87	91	380264	49.475	ug/l	100
83) tert-Butylbenzene	13.09	119	365511	49.643	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	433937	49.483	ug/l	100
85) sec-Butylbenzene	13.27	105	526737	50.353	ug/l	99
86) p-Isopropyltoluene	13.38	119	461161	50.025	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	220871	49.481	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	223036	49.211	ug/l	99
89) n-Butylbenzene	13.71	91	463715	49.981	ug/l	99
90) Hexachloroethane	13.97	117	88309	50.537	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	207767	50.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	20539	53.111	ug/l	97

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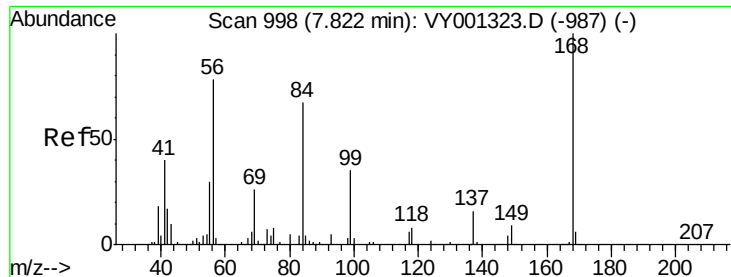
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	131502	47.595	ug/l	99
94) Hexachlorobutadiene	15.12	225	64248	47.757	ug/l	98
95) Naphthalene	15.25	128	332370	52.609	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	117394	48.436	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 166629

Ion Ratio Lower Upper

168 100

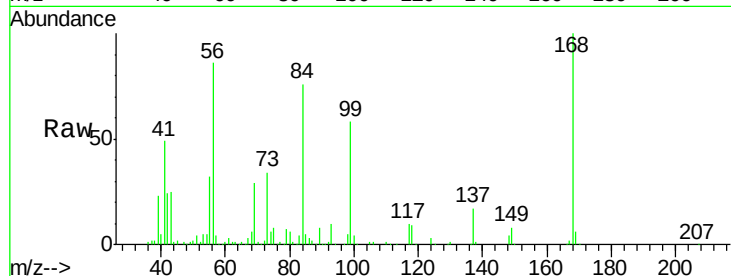
99 58.0 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.82

80000

60000

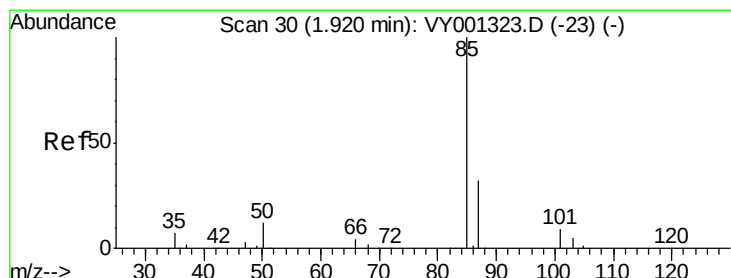
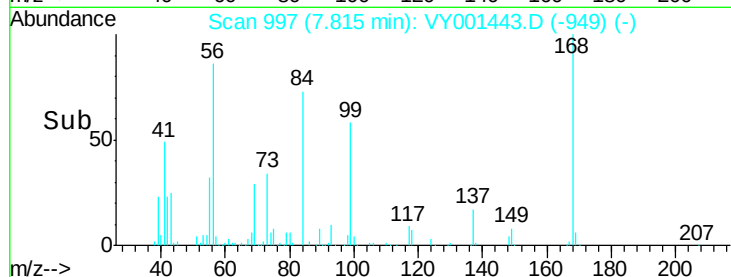
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 49.475 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.01 min

Lab File: VY001443.D

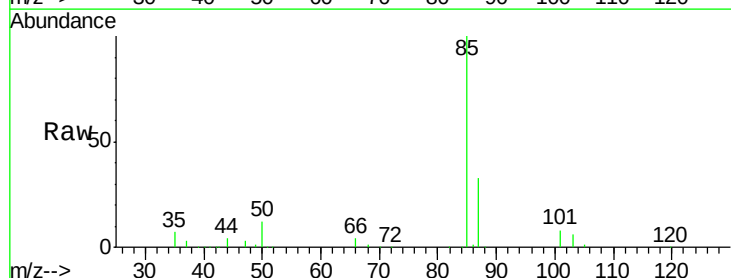
Acq: 30 Jan 2020 20:03

Tgt Ion: 85 Resp: 65013

Ion Ratio Lower Upper

85 100

87 32.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

1.91

50000

40000

30000

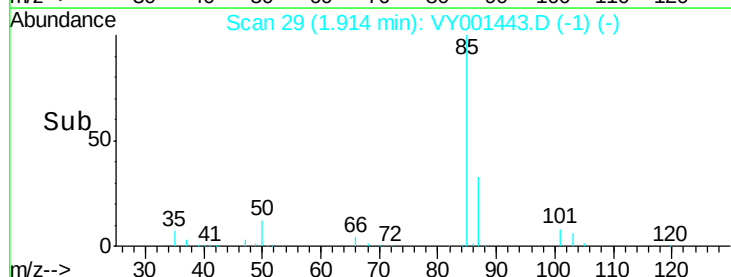
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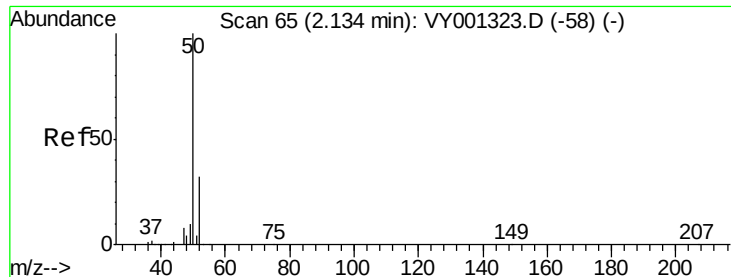
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 48.737 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96793

Ion Ratio Lower Upper

50 100

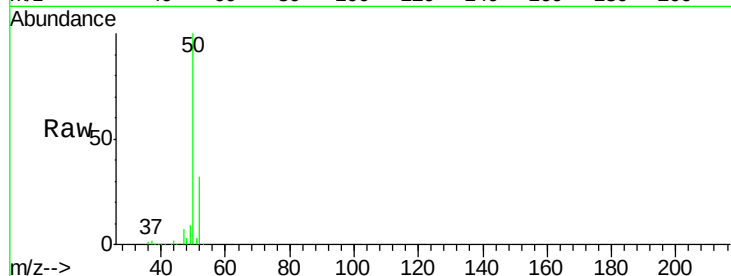
52 31.8 25.7 38.5

Manual Integrations

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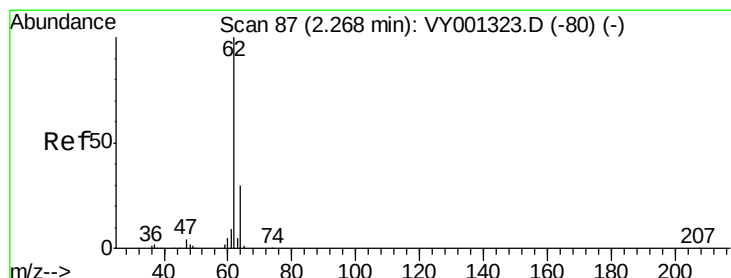
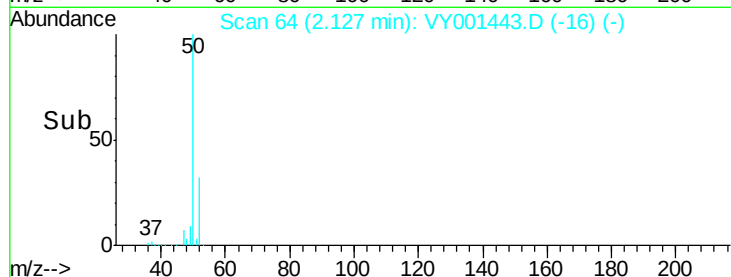
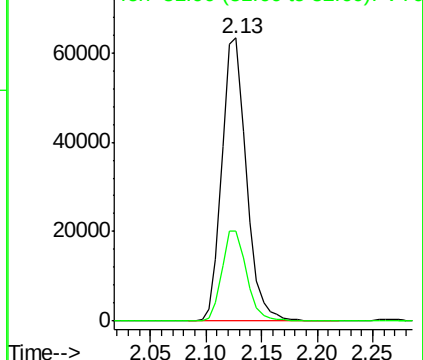
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 48.367 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY001443.D

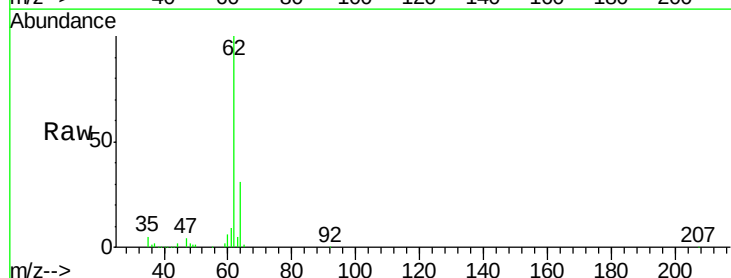
Acq: 30 Jan 2020 20:03

Tgt Ion: 62 Resp: 100161

Ion Ratio Lower Upper

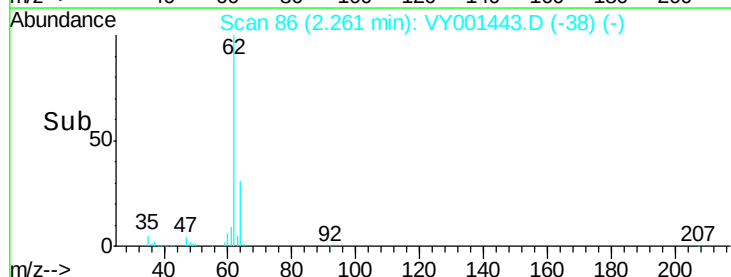
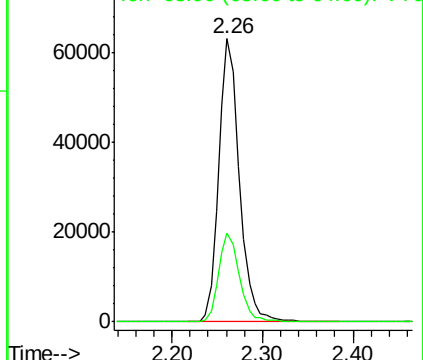
62 100

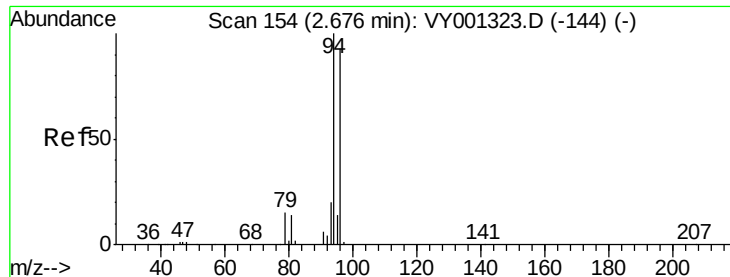
64 31.5 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 50.215 ug/l

RT: 2.66 min Scan# 152

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70034

Ion Ratio Lower Upper

94 100

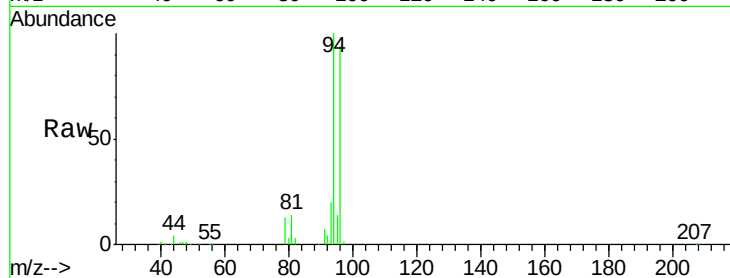
96 94.3 74.6 111.8

Manual Integrations

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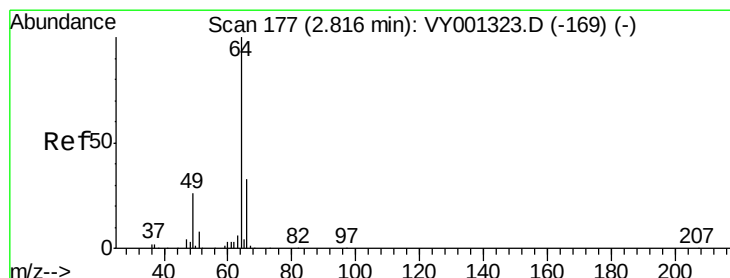
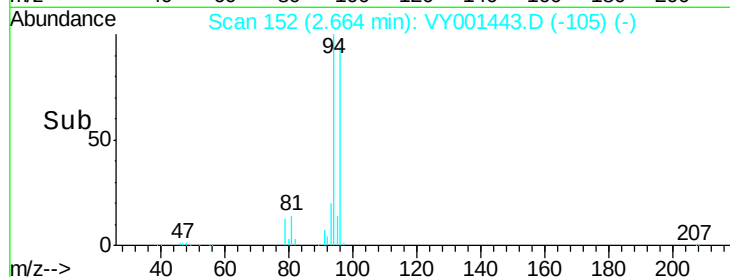
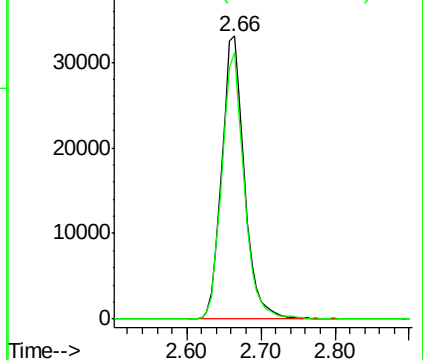
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 50.365 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY001443.D

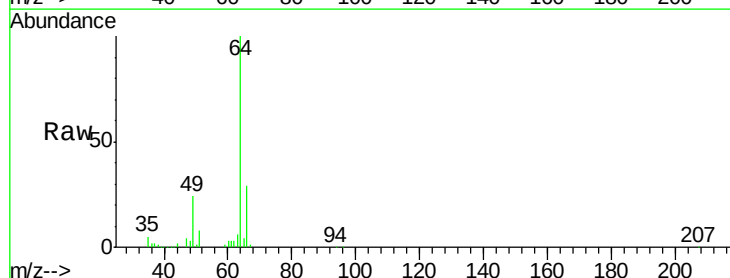
Acq: 30 Jan 2020 20:03

Tgt Ion: 64 Resp: 66645

Ion Ratio Lower Upper

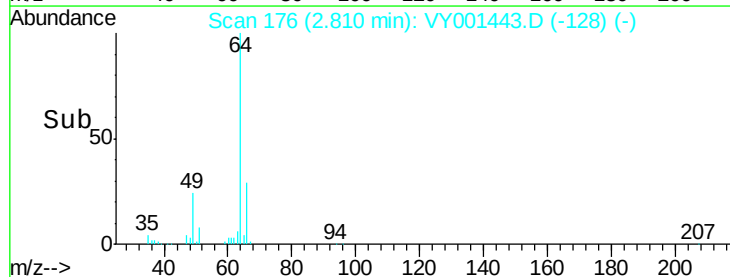
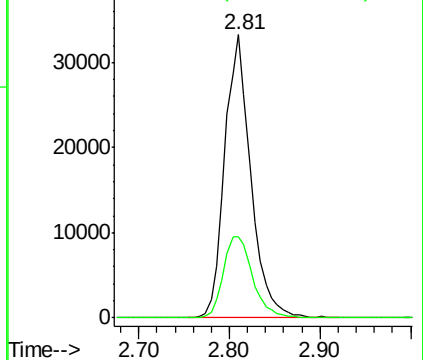
64 100

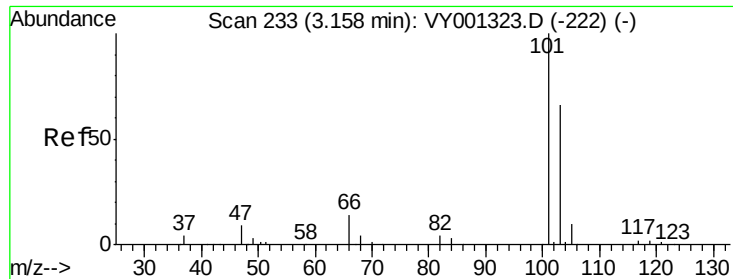
66 28.9 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

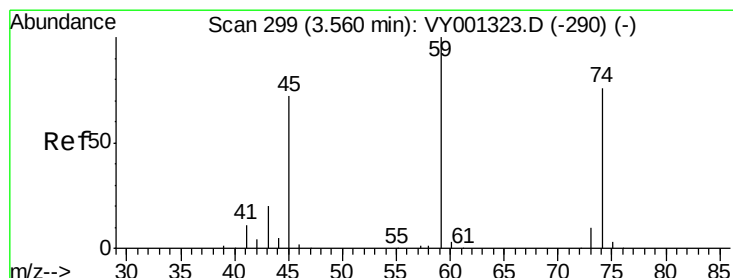
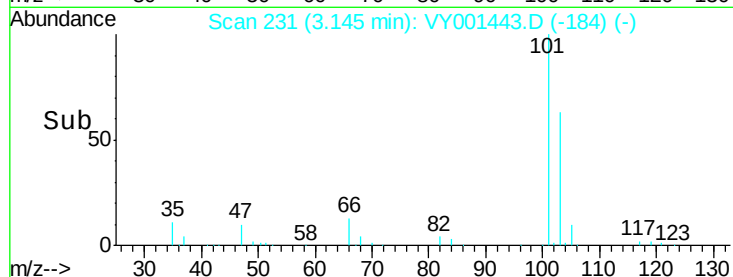
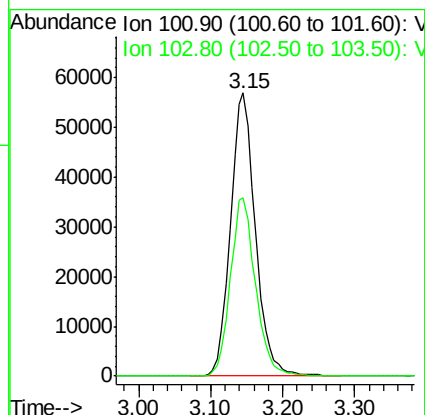
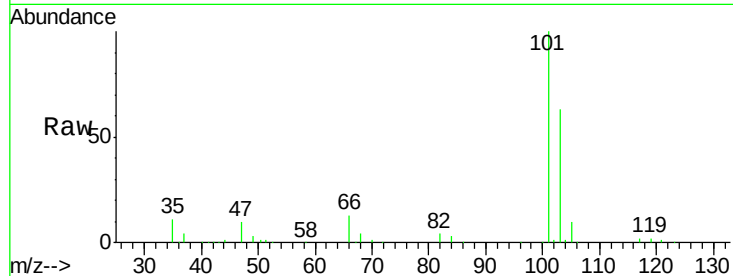
Trichlorofluoromethane
Concen: 51.627 ug/l
RT: 3.15 min Scan# 231
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.5	78.7

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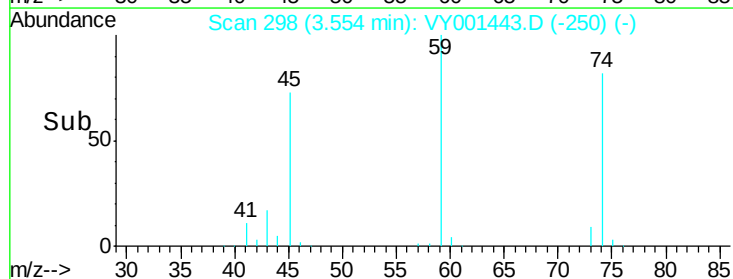
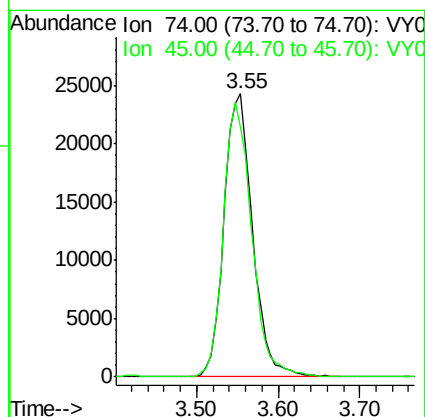
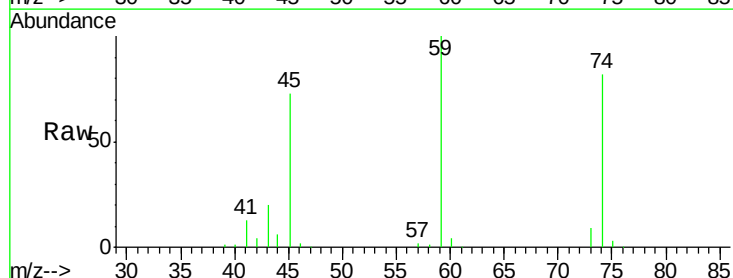
MMDadoda
1/31/2020 4:26:04 PM

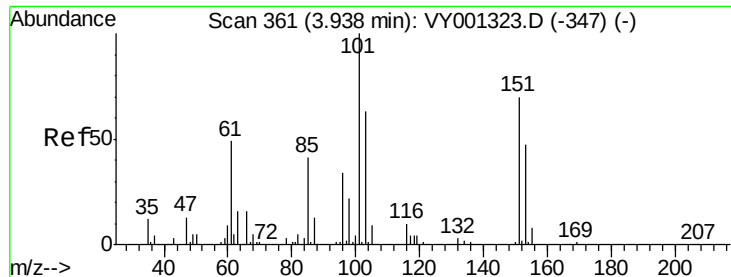


#8

Diethyl Ether
Concen: 52.567 ug/l
RT: 3.55 min Scan# 298
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.808 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

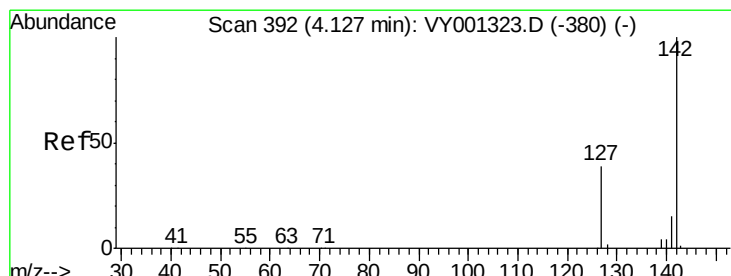
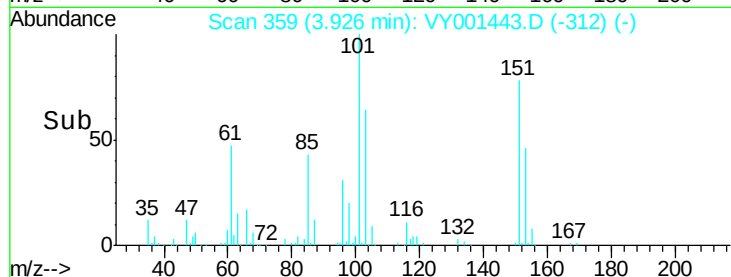
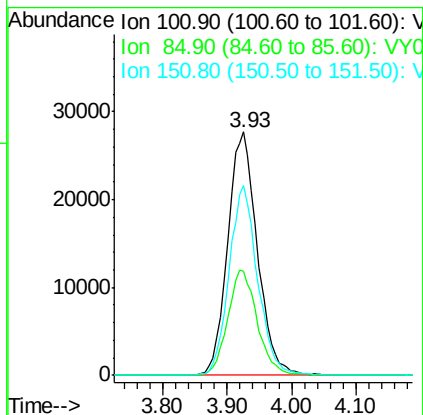
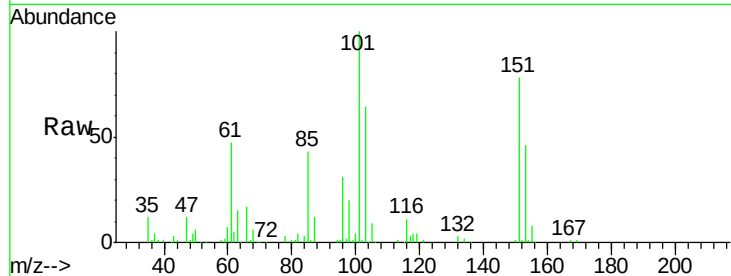
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	89105
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.9	52.3
151	75.2	59.9	89.9

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#10

Methyl Iodide

Concen: 47.083 ug/l

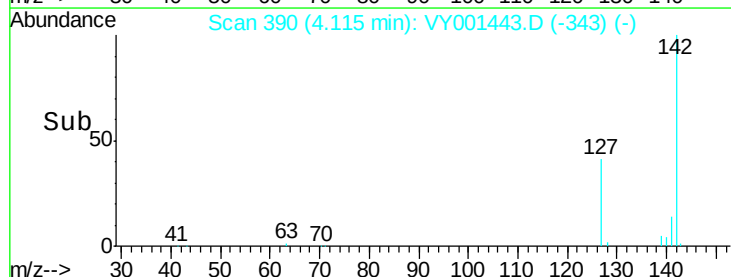
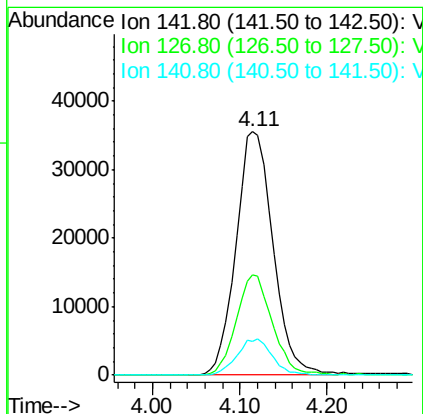
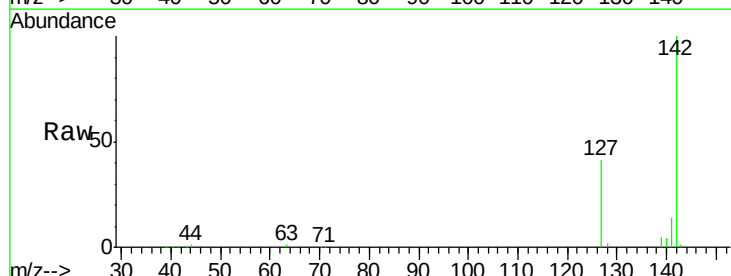
RT: 4.11 min Scan# 390

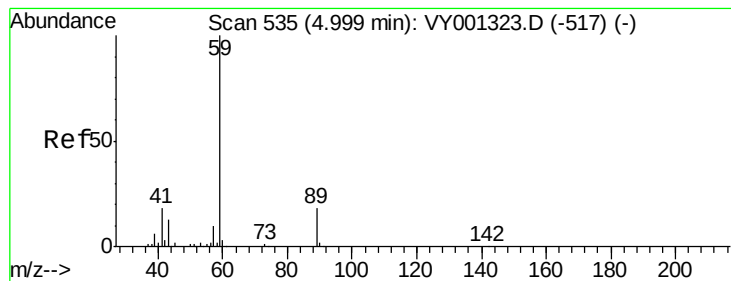
Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Tgt Ion:	142	Resp:	104780
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.6	47.4
141	14.0	11.2	16.8





#11

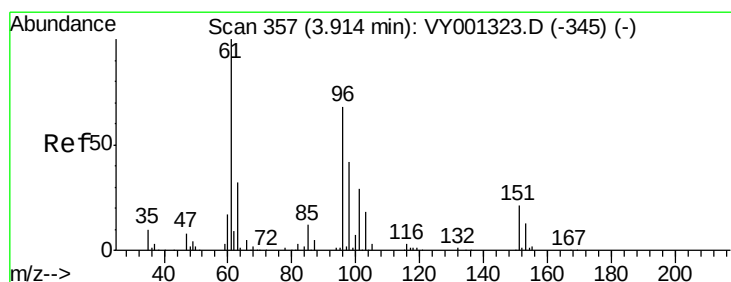
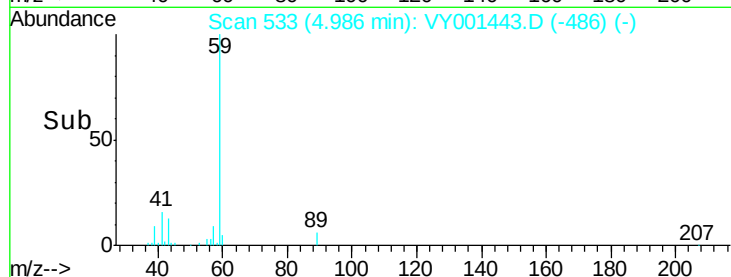
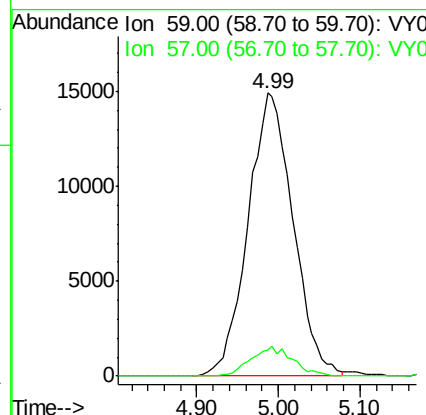
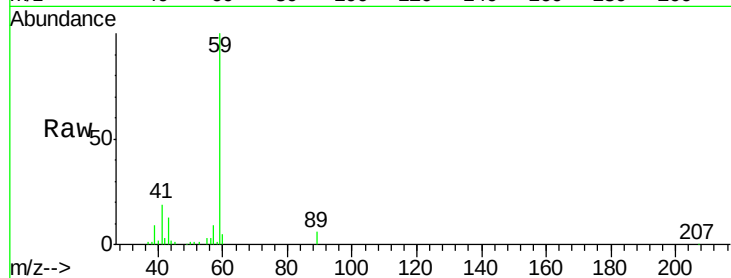
Tert butyl alcohol
 Concen: 251.413 ug/l
 RT: 4.99 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.4	11.2

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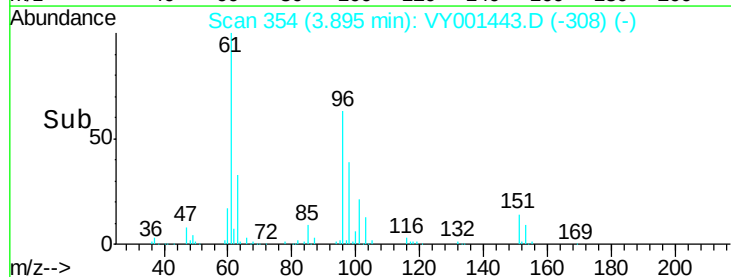
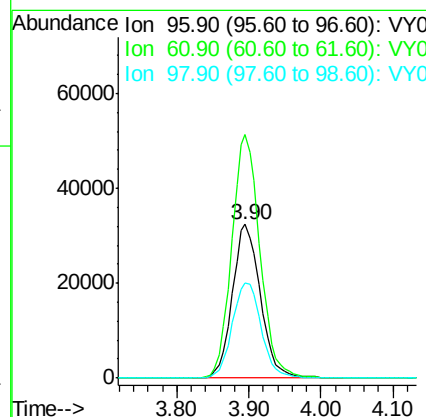
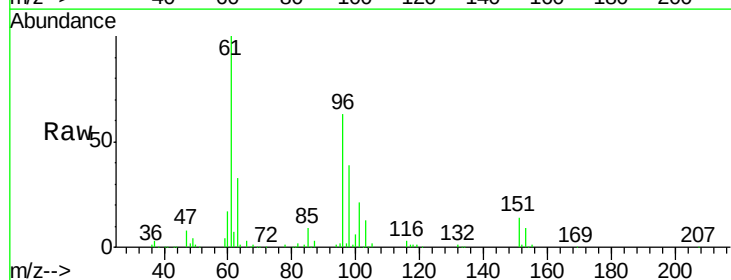
MMDadoda
 1/31/2020 4:26:04 PM

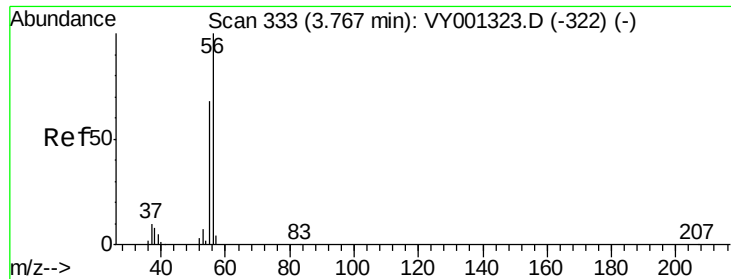


#12

1,1-Dichloroethene
 Concen: 49.560 ug/l
 RT: 3.90 min Scan# 354
 Delta R.T. -0.02 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	118.0	177.0
98	62.1	49.4	74.2





#13

Acrolein

Concen: 288.495 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.02 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38530

Ion Ratio Lower Upper

56 100

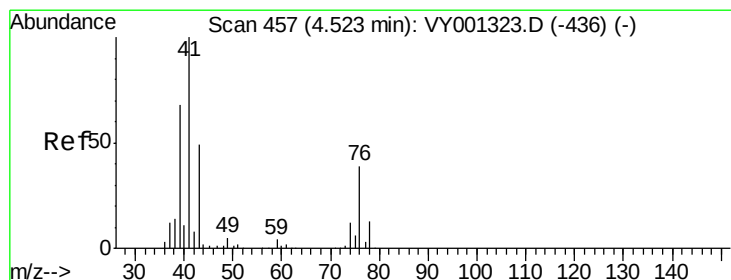
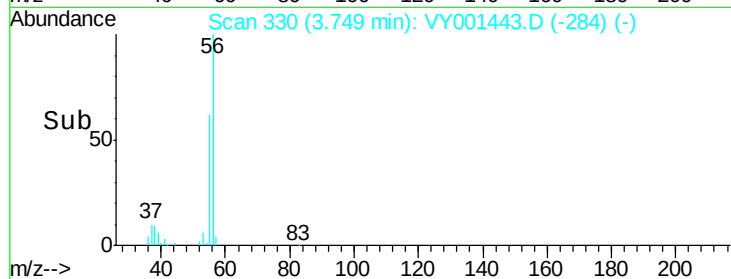
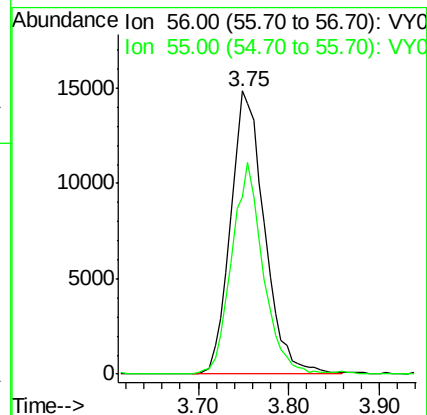
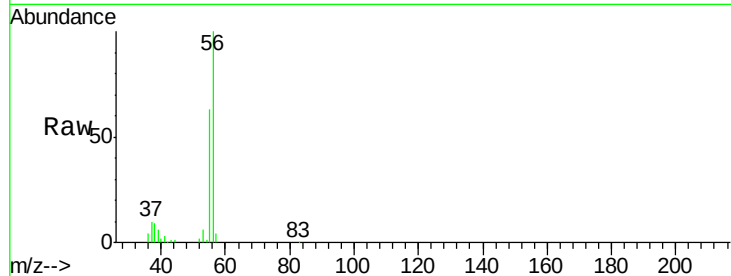
55 68.8 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 51.407 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.02 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

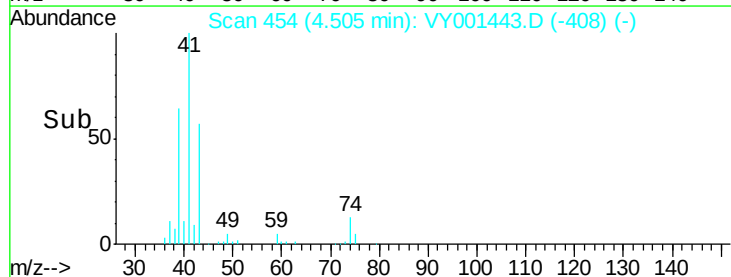
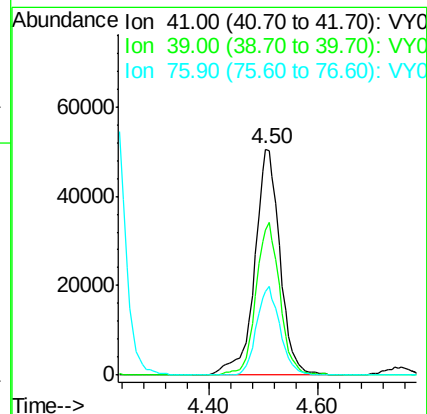
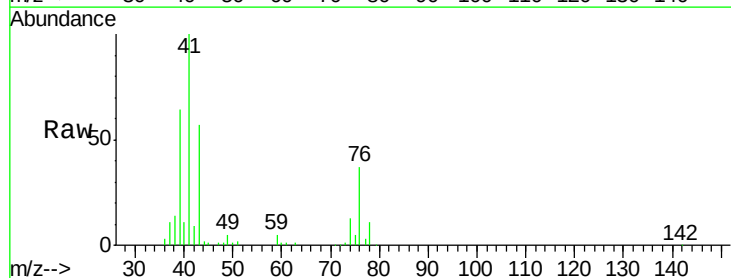
Tgt Ion: 41 Resp: 162190

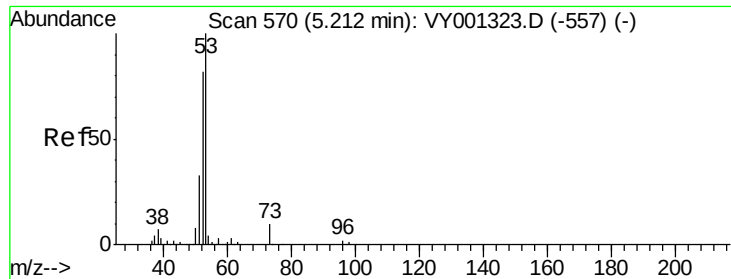
Ion Ratio Lower Upper

41 100

39 64.4 52.2 78.4

76 36.1 29.1 43.7





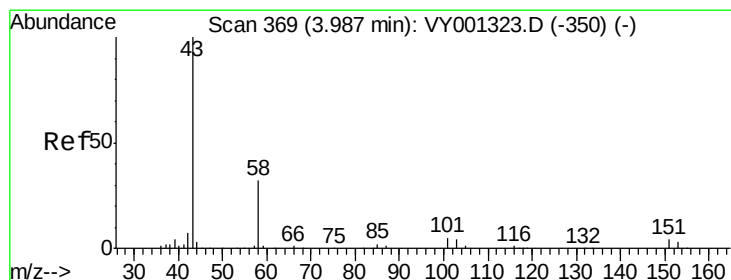
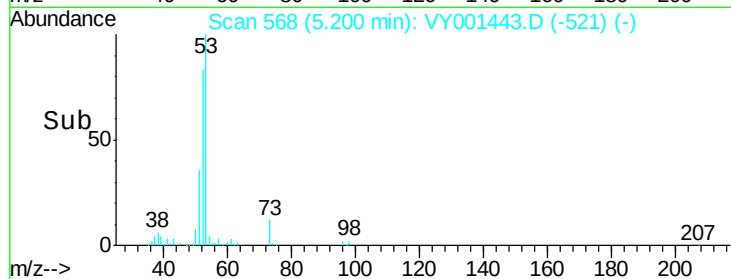
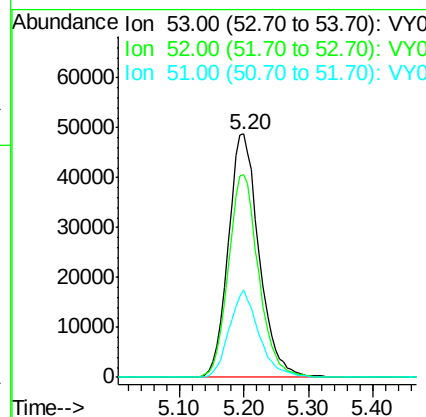
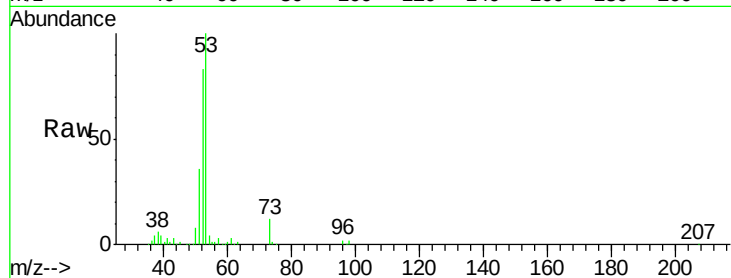
#15
 Acrylonitrile
 Concen: 285.504 ug/l
 RT: 5.20 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.3	97.9
51	34.8	28.4	42.6

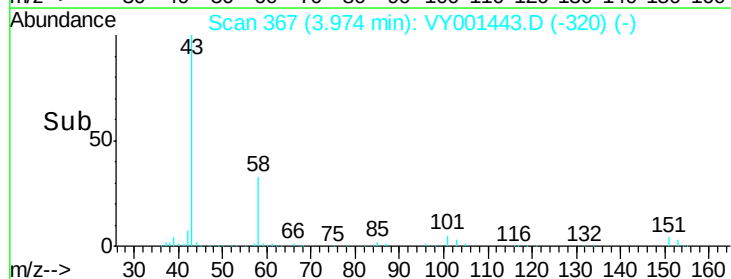
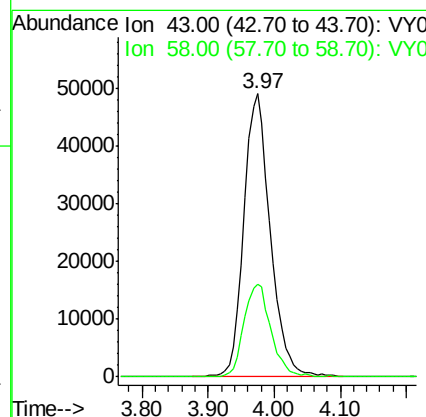
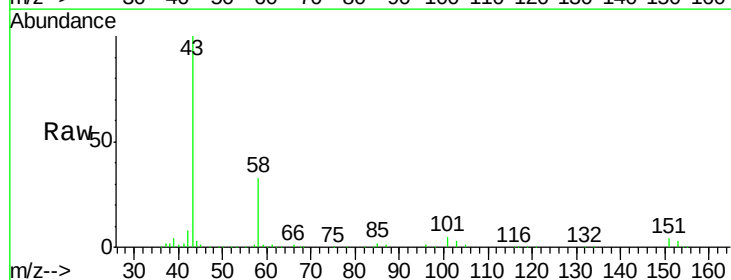
Manual Integrations
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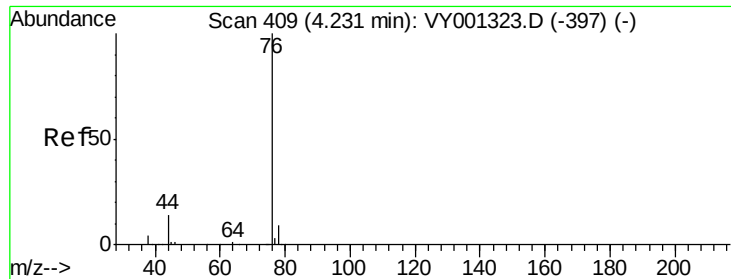
MMDadoda
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#16
 Acetone
 Concen: 287.634 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.4	38.0





#17

Carbon Disulfide

Concen: 46.026 ug/l

RT: 4.22 min Scan# 407

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 256094

Ion Ratio Lower Upper

76 100

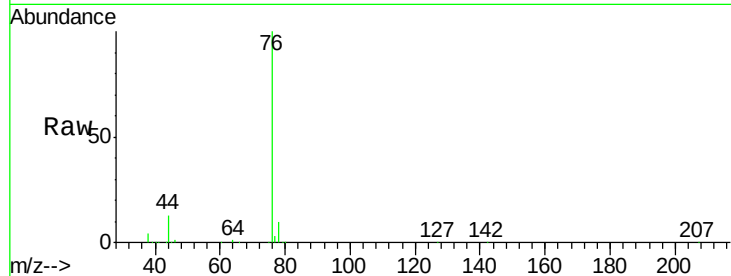
78 9.7 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

100000

80000

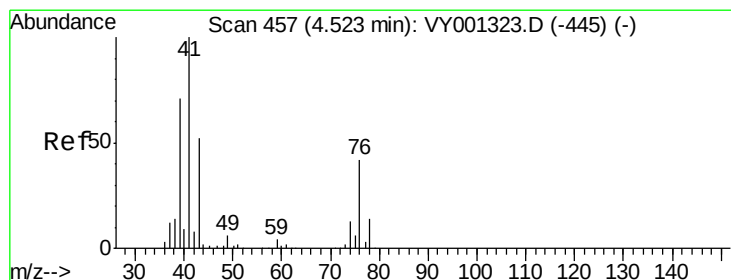
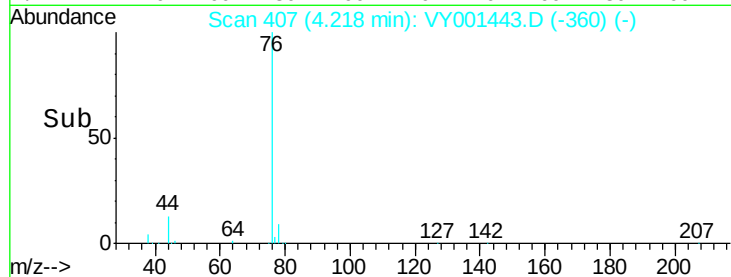
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.670 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.02 min

Lab File: VY001443.D

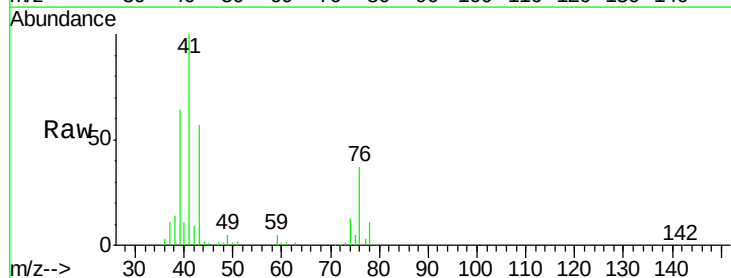
Acq: 30 Jan 2020 20:03

Tgt Ion: 43 Resp: 83593

Ion Ratio Lower Upper

43 100

74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.50

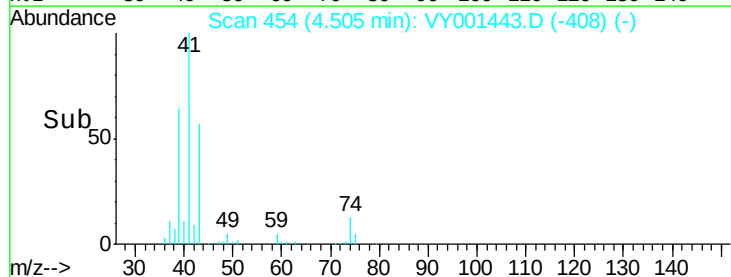
30000

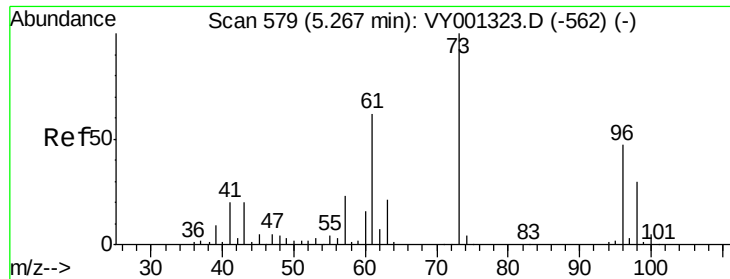
20000

10000

0

Time-->





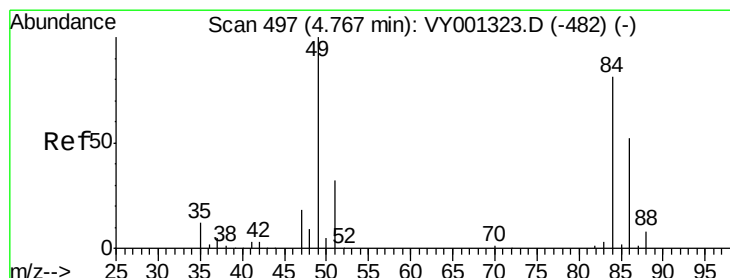
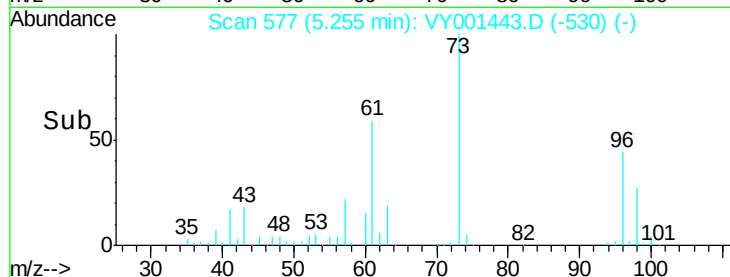
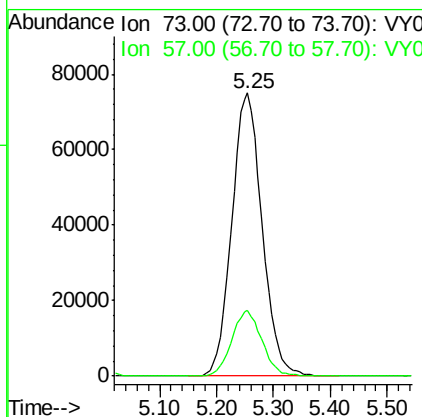
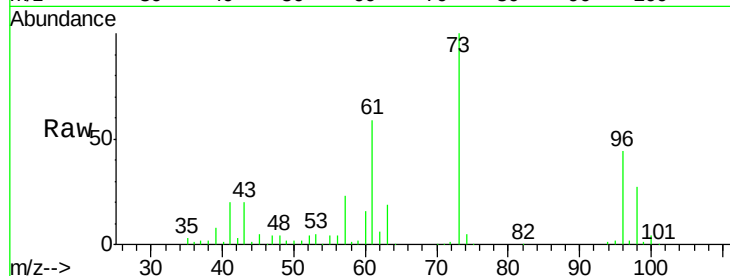
#19
Methyl tert-butyl Ether
Concen: 53.707 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 278209
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.2

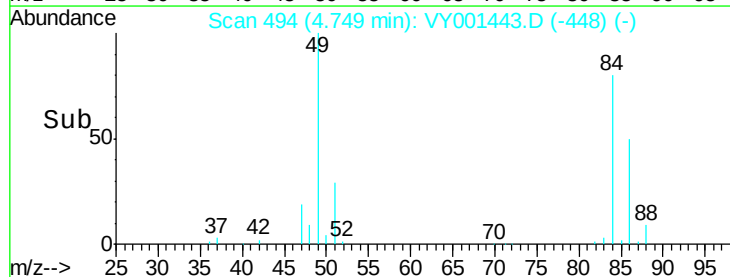
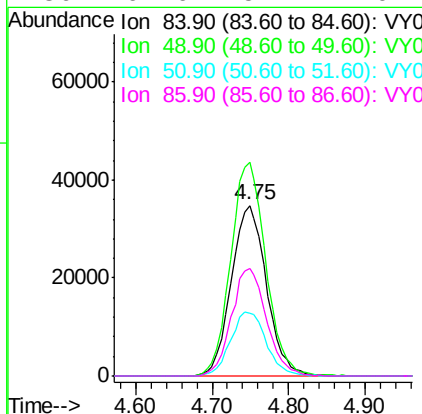
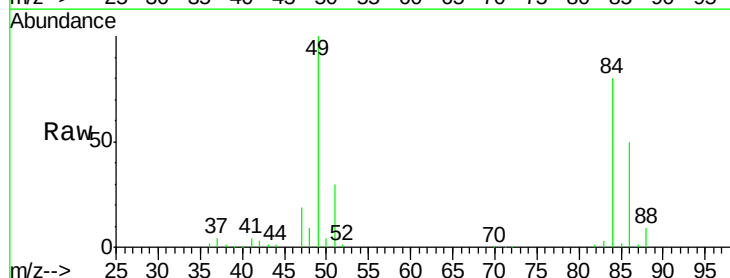
Manual Integrations
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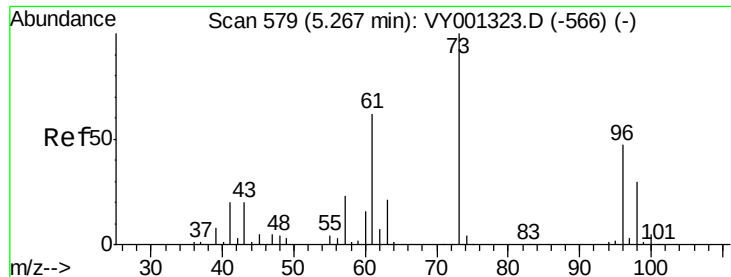
MMDadoda
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#20
Methylene Chloride
Concen: 49.394 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.02 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion: 84 Resp: 110709
Ion Ratio Lower Upper
84 100
49 125.0 98.3 147.5
51 37.1 31.6 47.4
86 62.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 49.815 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

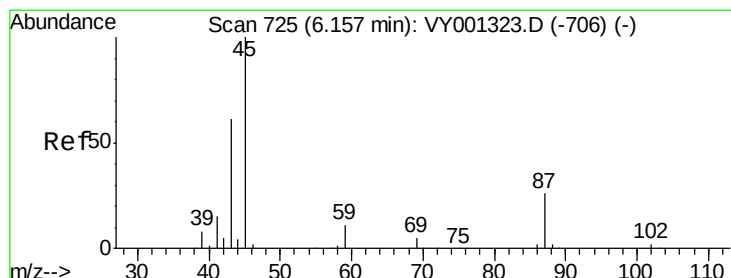
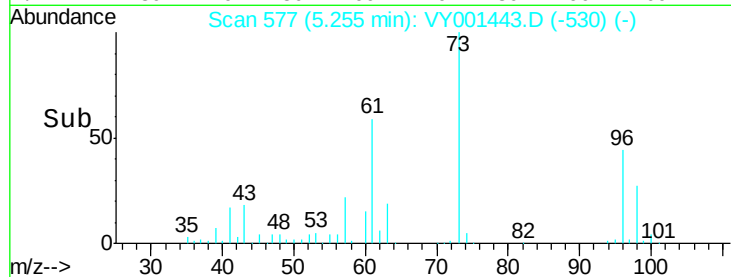
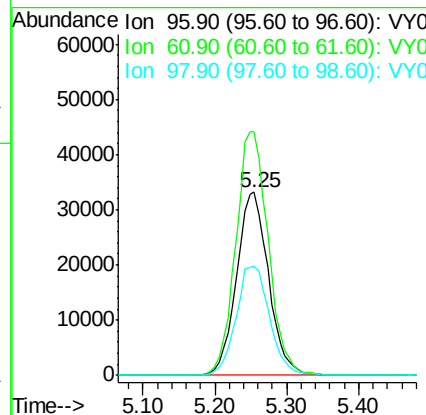
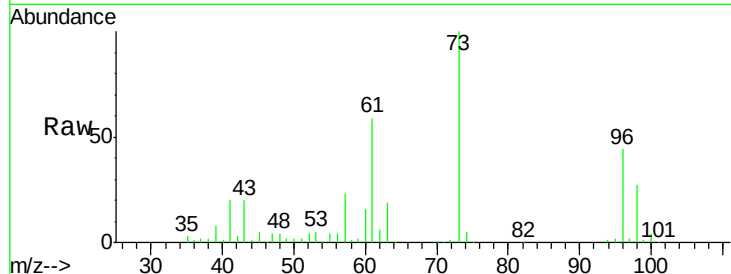
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	102372
Ion	Ratio	Lower	Upper
96	100		
61	133.0	106.8	160.2
98	60.0	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.016 ug/l

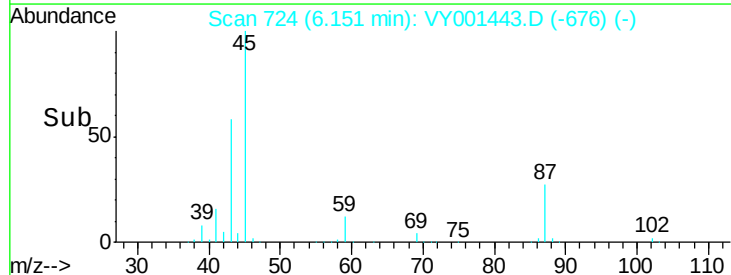
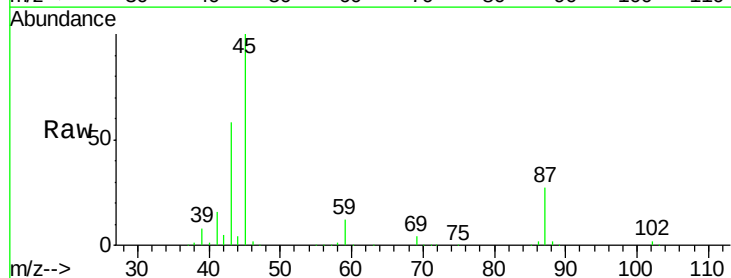
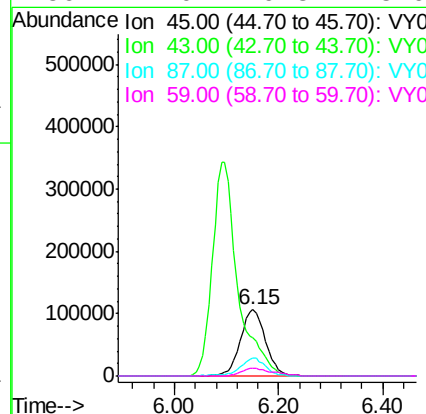
RT: 6.15 min Scan# 724

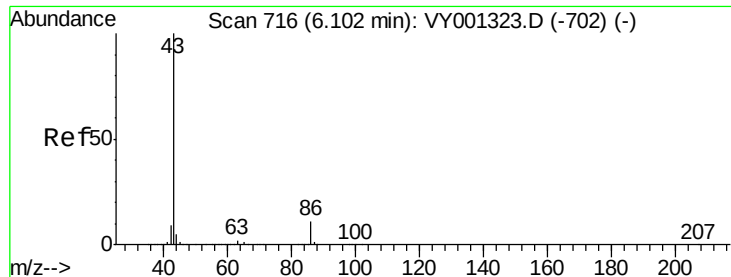
Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Tgt Ion:	45	Resp:	355185
Ion	Ratio	Lower	Upper
45	100		
43	57.7	49.2	73.8
87	26.5	21.4	32.2
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 269.076 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1170326

Ion Ratio Lower Upper

43 100

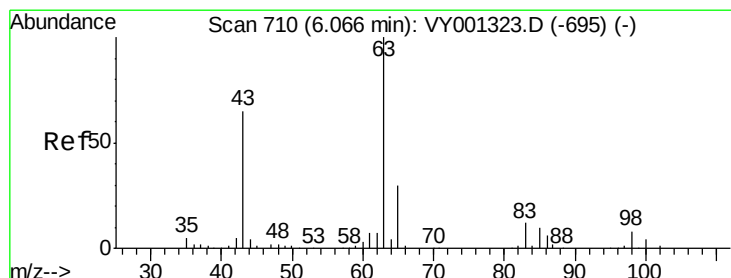
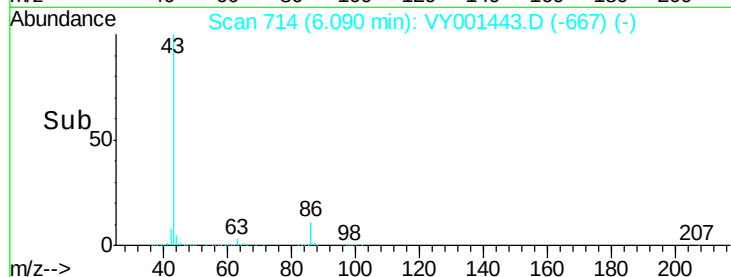
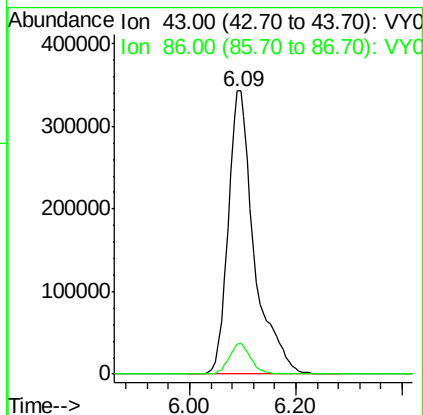
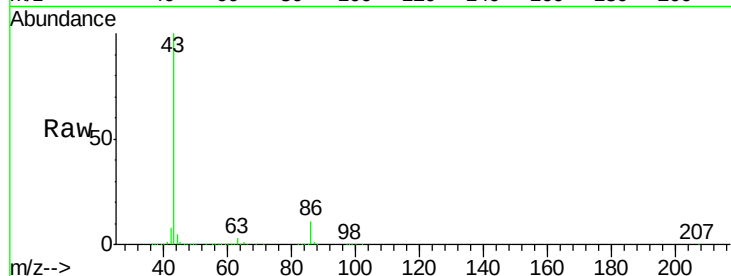
86 10.5 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 52.485 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.02 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

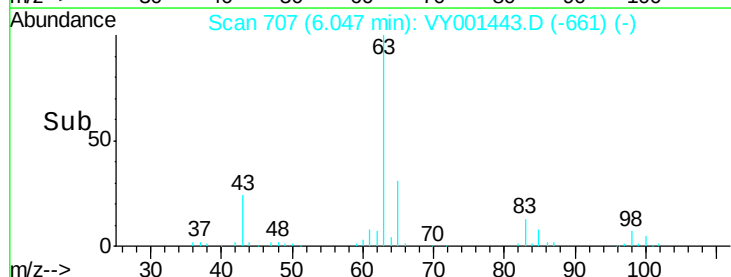
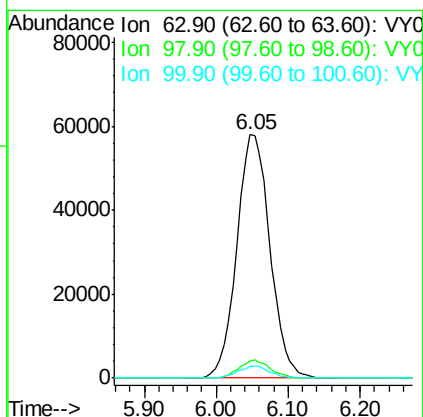
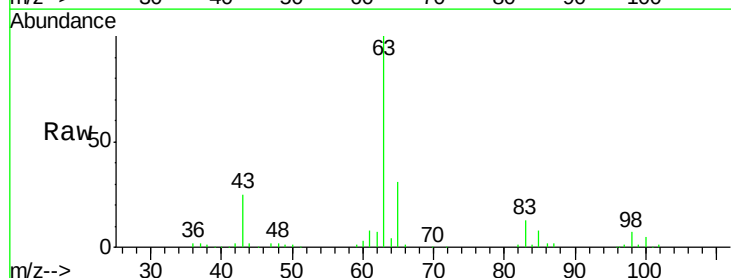
Tgt Ion: 63 Resp: 185341

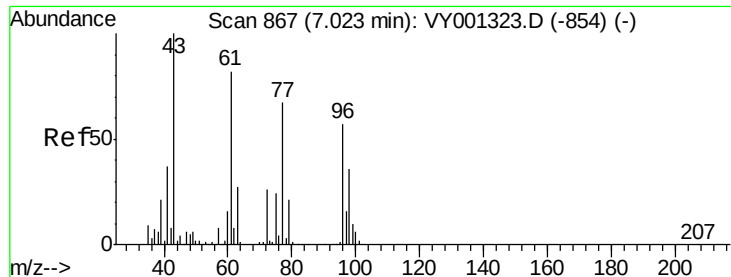
Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.0

100 4.7 2.1 6.3





#25

2-Butanone

Concen: 280.300 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 221209

Ion Ratio Lower Upper

43 100

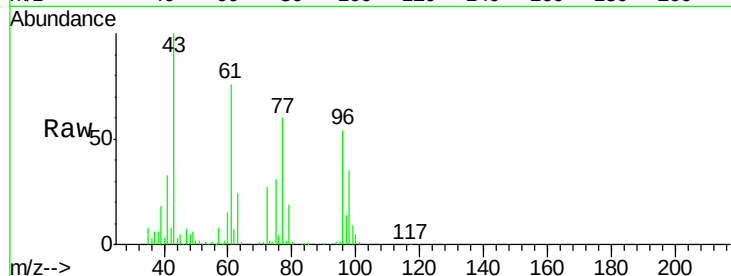
72 27.0 20.6 31.0

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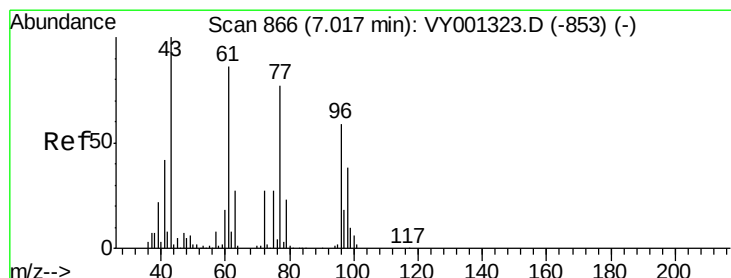
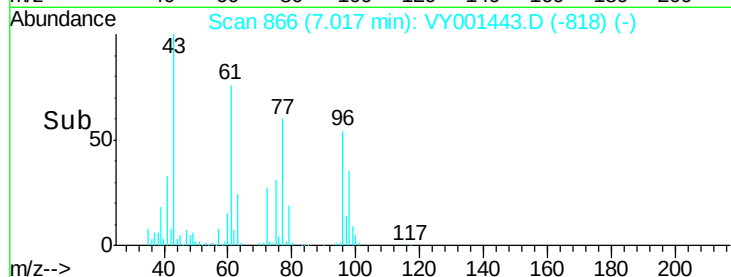
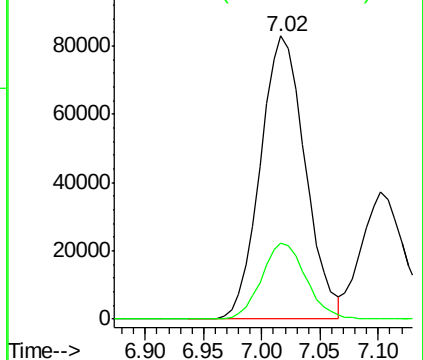
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 49.189 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001443.D

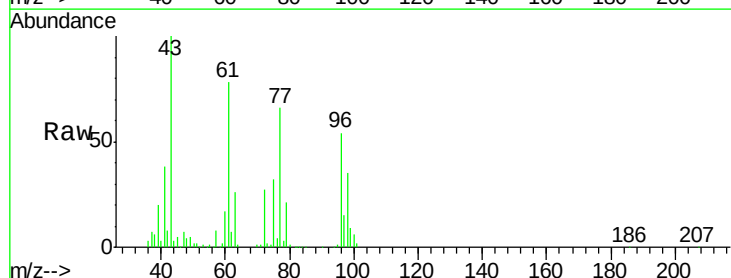
Acq: 30 Jan 2020 20:03

Tgt Ion: 77 Resp: 154726

Ion Ratio Lower Upper

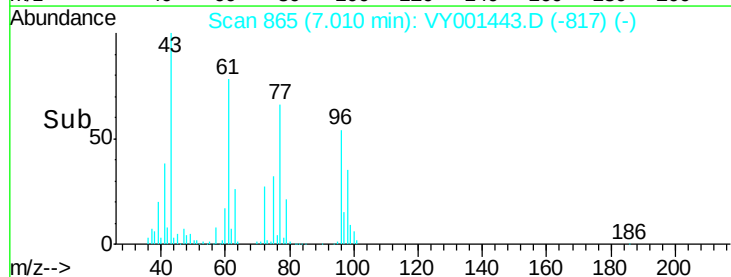
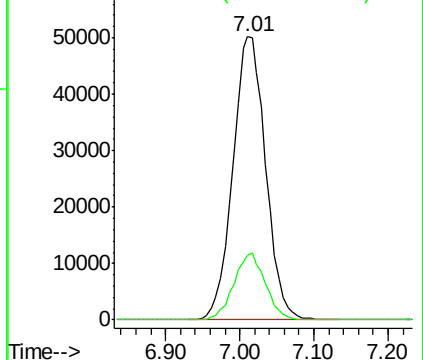
77 100

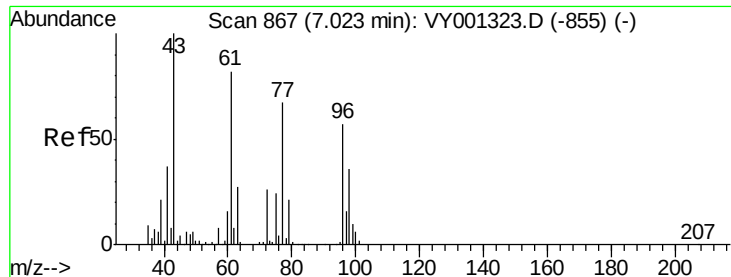
97 22.7 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

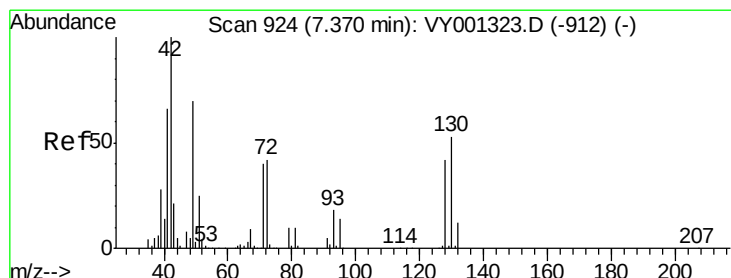
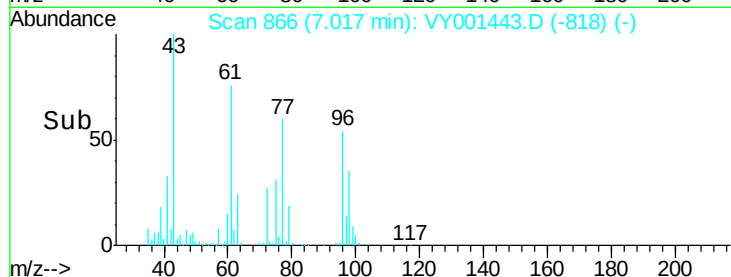
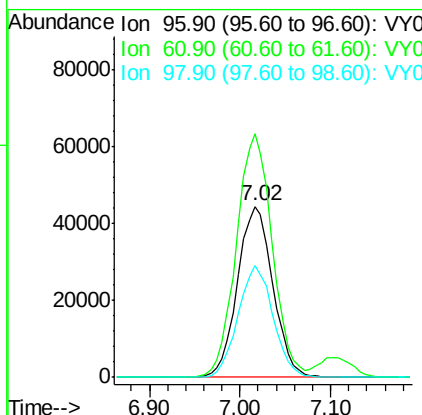
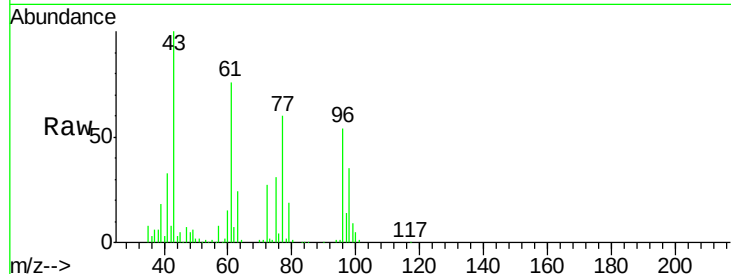
cis-1,2-Dichloroethene
Concen: 52.315 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.3	0.0	284.8	
98	64.6	0.0	128.4	

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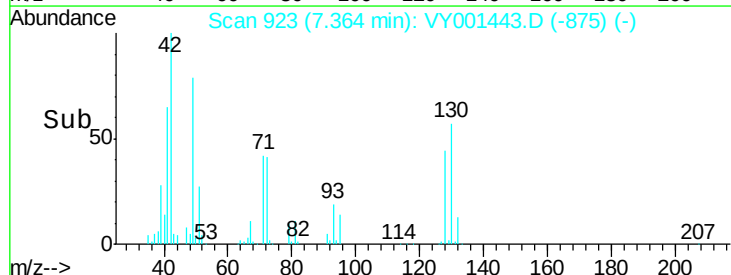
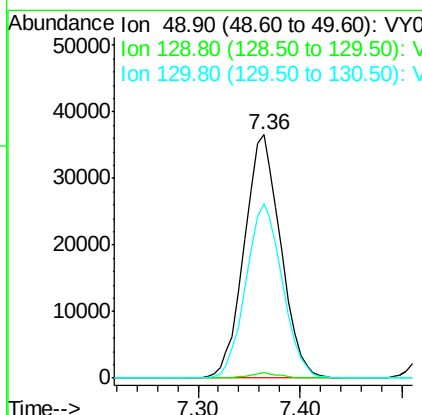
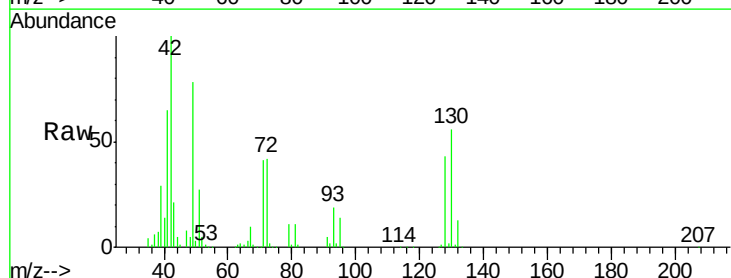
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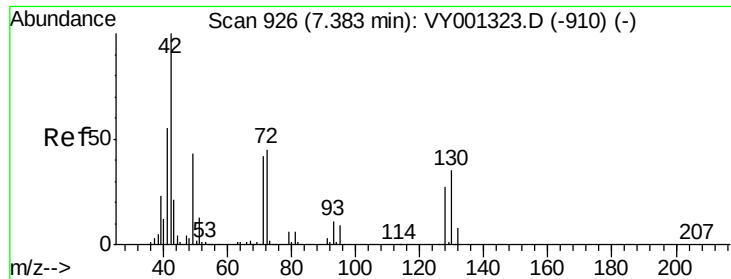


#28

Bromochloromethane
Concen: 62.500 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	4.0	
130	71.9	58.9	88.3	





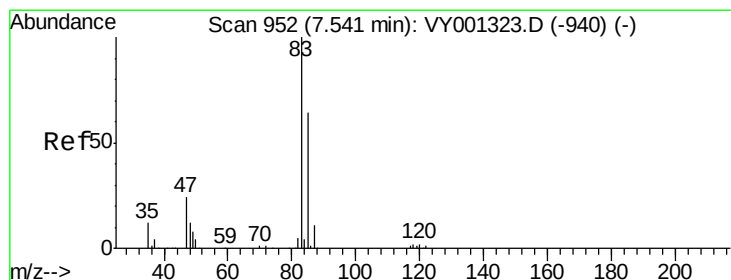
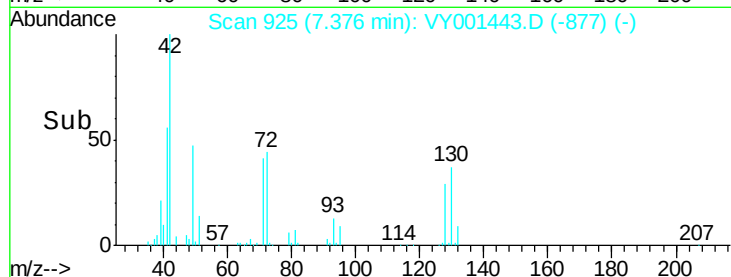
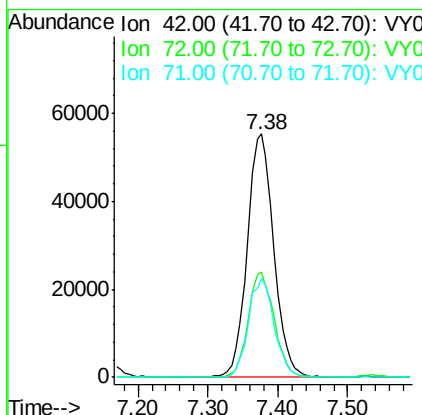
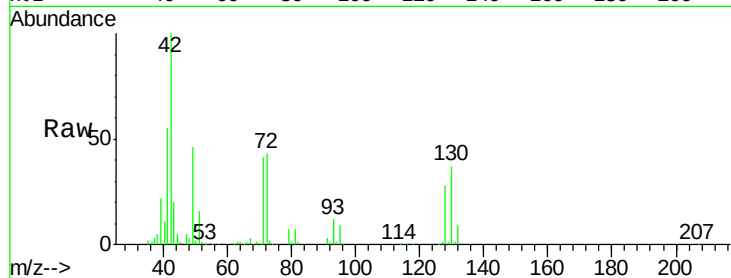
#29
Tetrahydrofuran
Concen: 284.839 ug/l
RT: 7.38 min Scan# 925
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	39.4	32.6	48.8

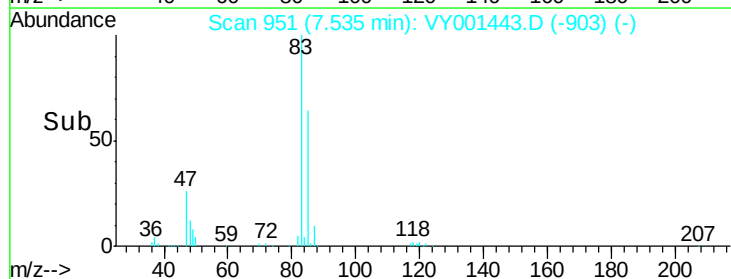
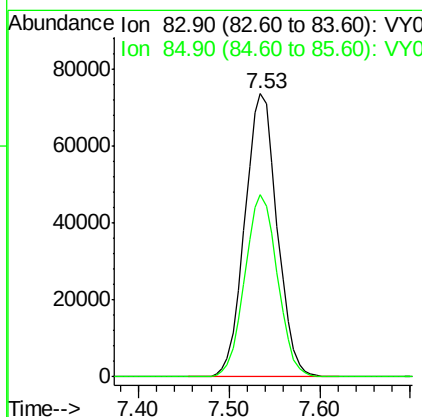
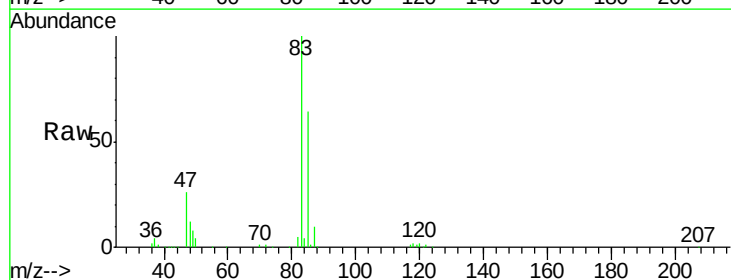
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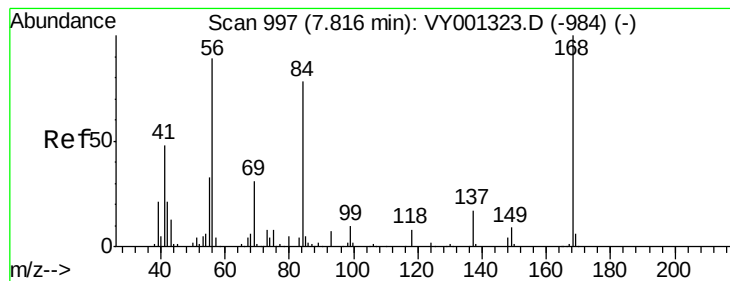
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#30
Chloroform
Concen: 52.383 ug/l
RT: 7.53 min Scan# 951
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





#31

Cyclohexane

Concen: 48.628 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 170497

Ion Ratio Lower Upper

56 100

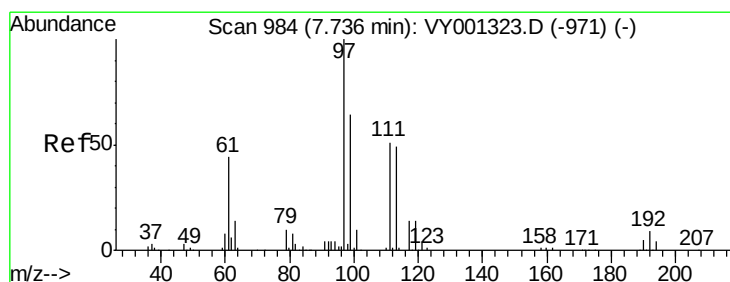
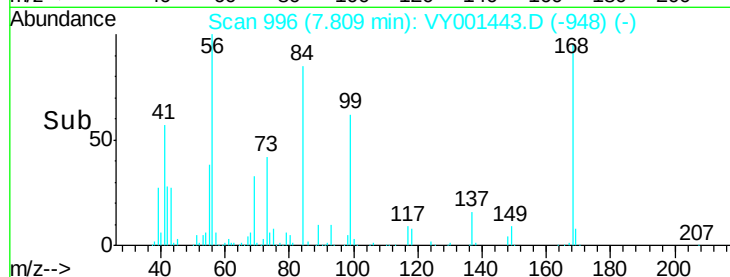
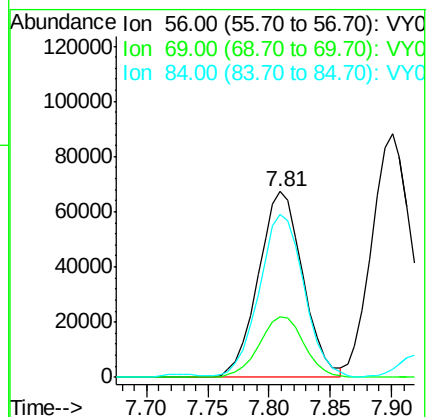
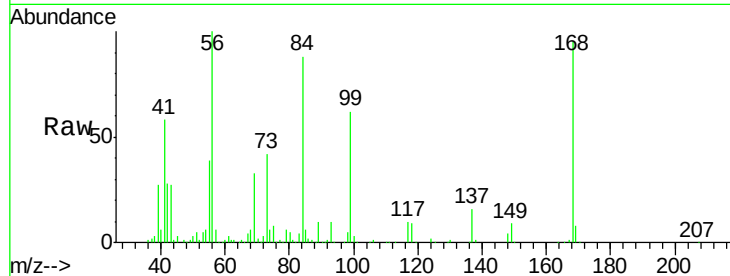
69 32.8 27.6 41.4

84 86.4 69.7 104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.829 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

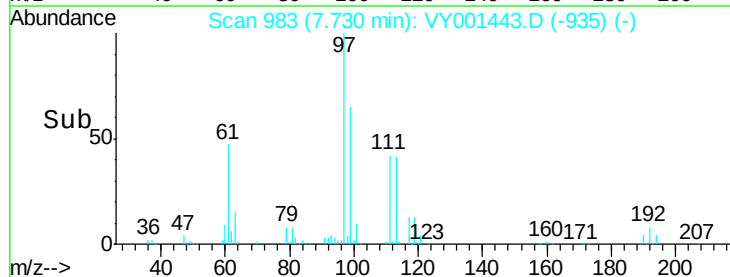
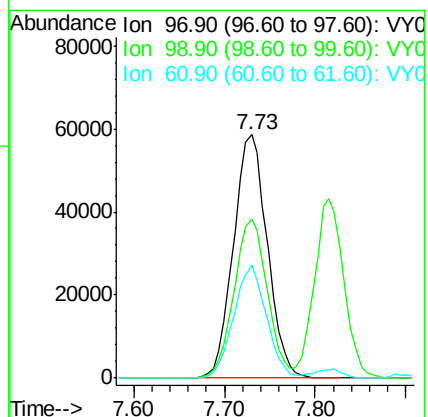
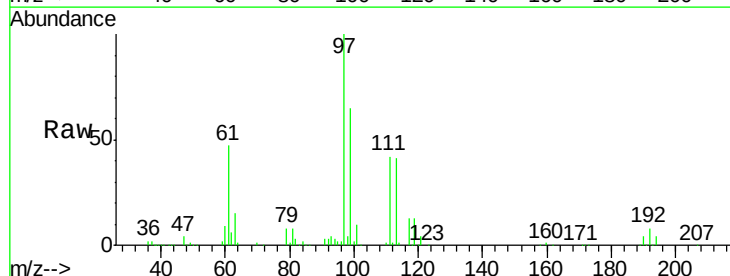
Tgt Ion: 97 Resp: 151475

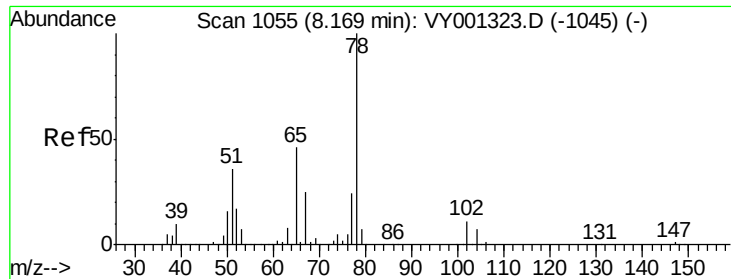
Ion Ratio Lower Upper

97 100

99 64.2 51.3 76.9

61 44.7 35.9 53.9





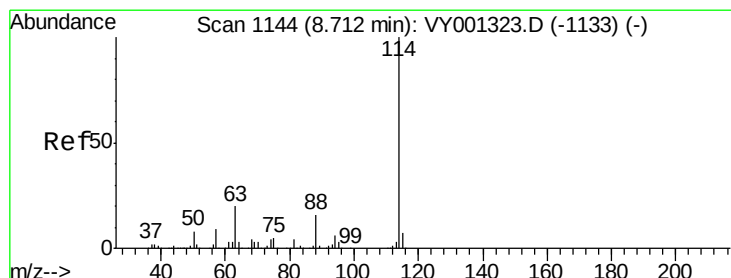
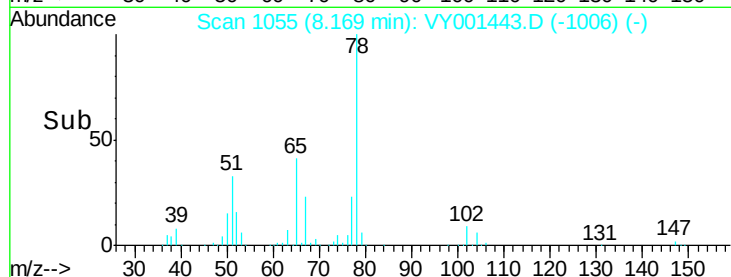
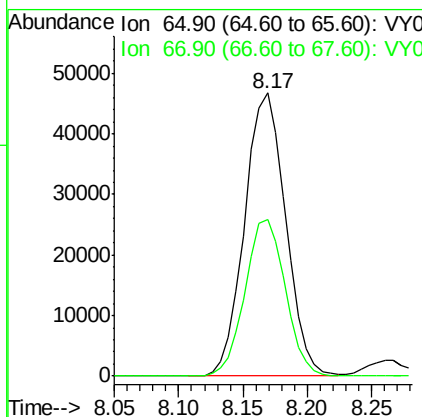
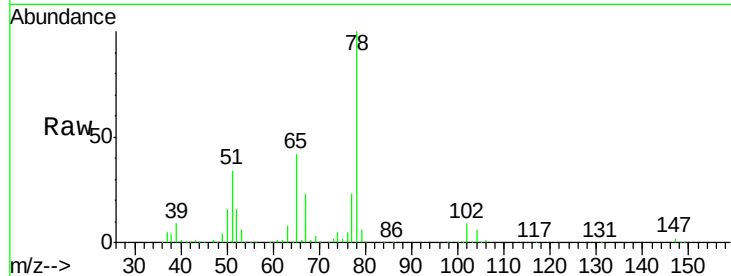
#33
 1,2-Dichloroethane-d4
 Concen: 56.980 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.6

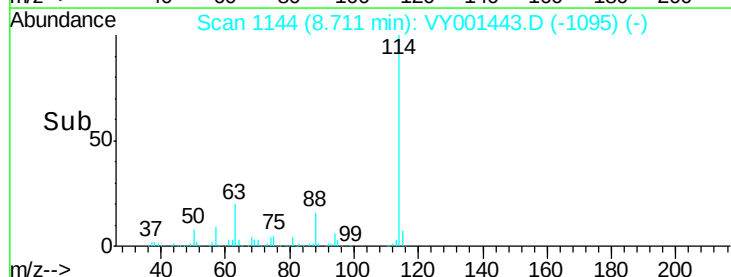
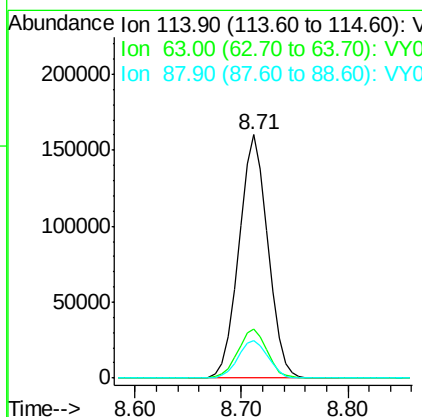
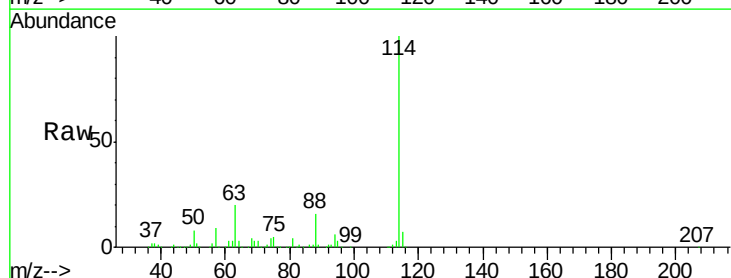
Manual Integrations
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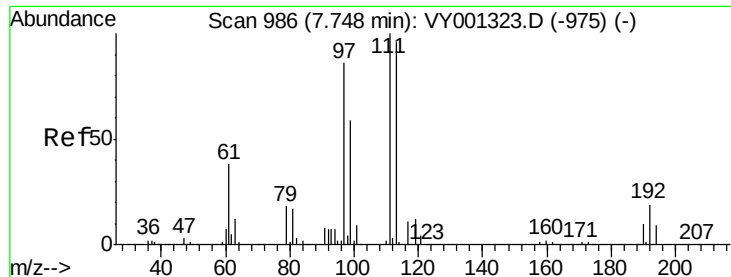
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	15.6	0.0	31.0





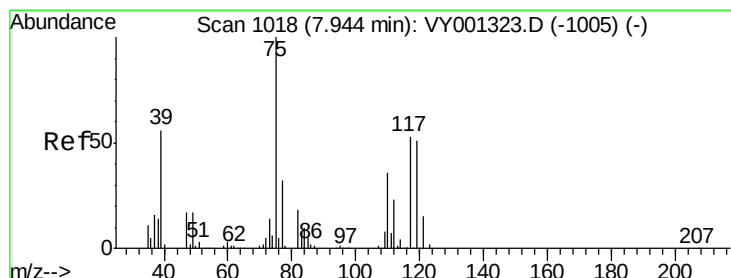
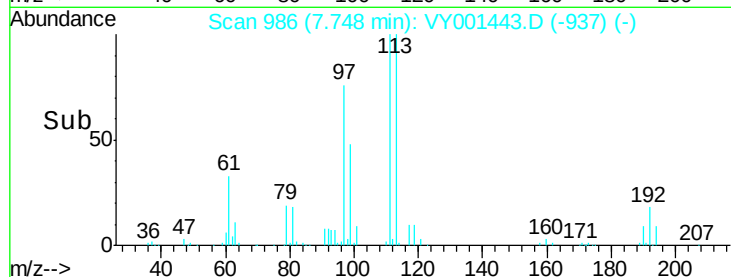
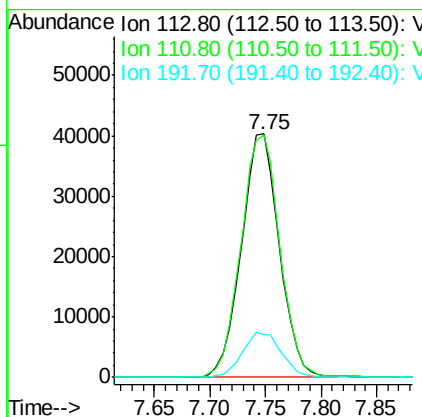
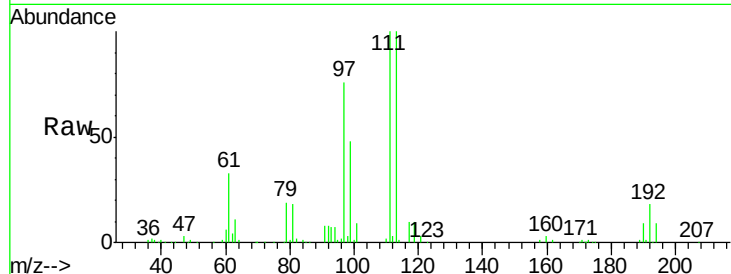
#35
Dibromofluoromethane
Concen: 53.213 ug/l
RT: 7.75 min Scan# 986
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	19.0	15.5	23.3

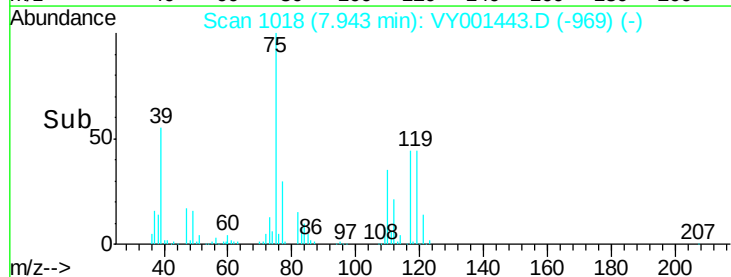
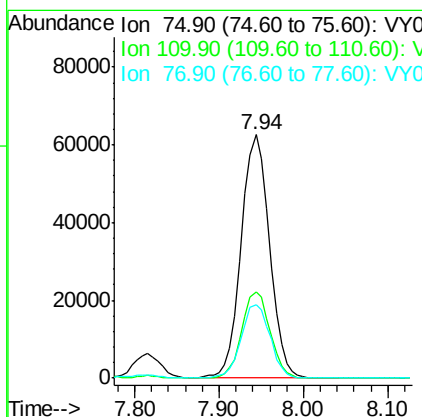
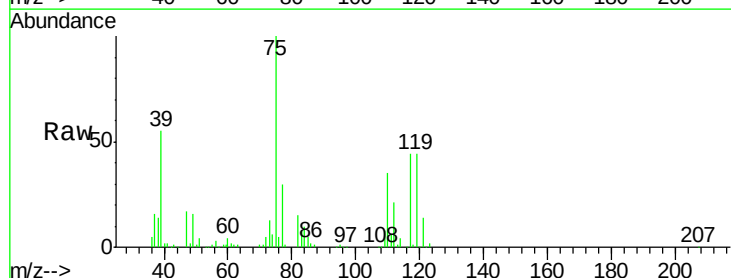
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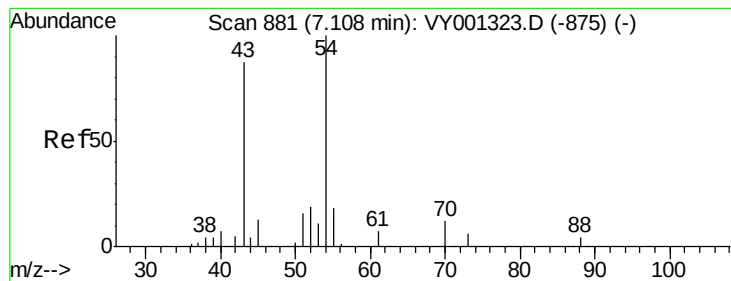
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#36
1,1-Dichloropropene
Concen: 49.200 ug/l
RT: 7.94 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.6	52.8
77	30.8	24.7	37.1





#37

Ethyl Acetate

Concen: 55.245 ug/l

RT: 7.10 min Scan# 880

Delta R.T. -0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

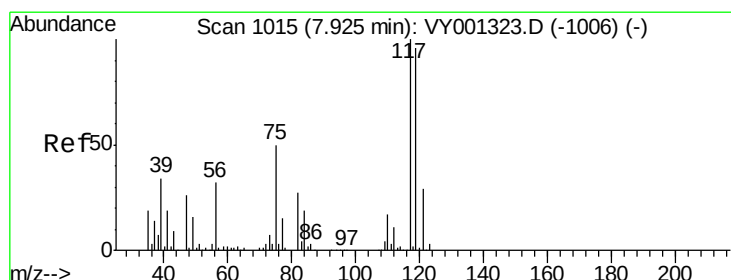
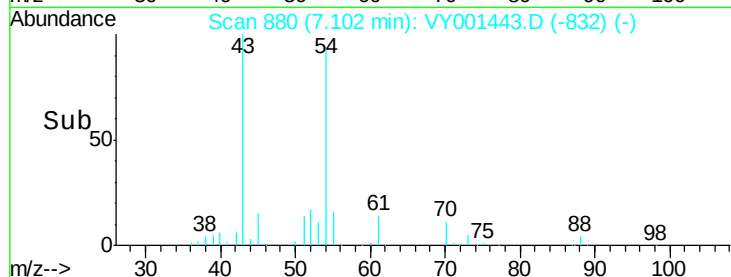
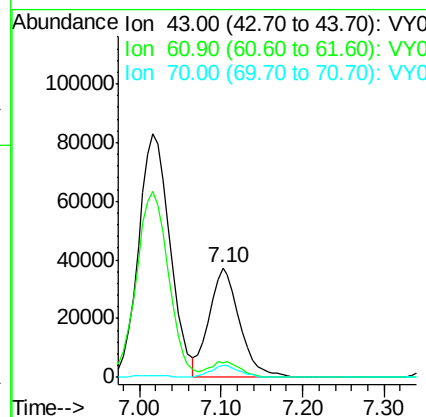
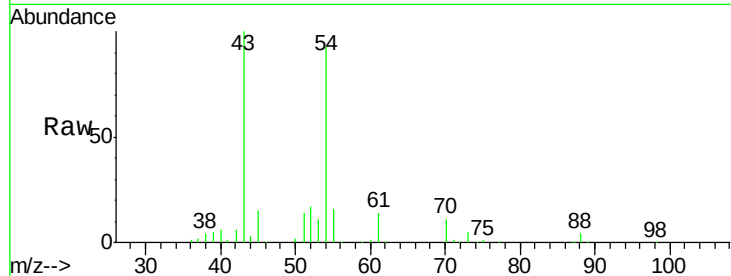
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	97357
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	10.7	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.674 ug/l

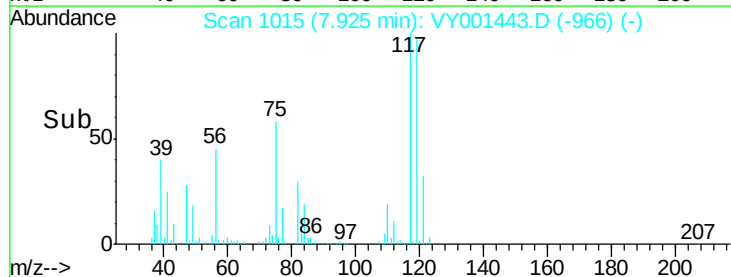
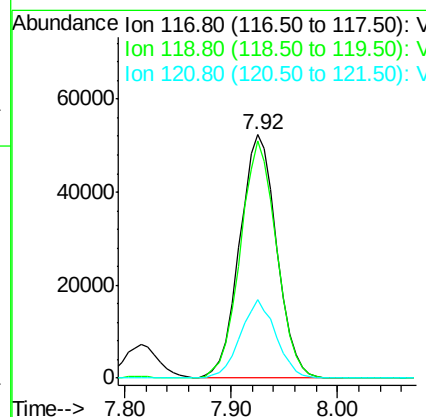
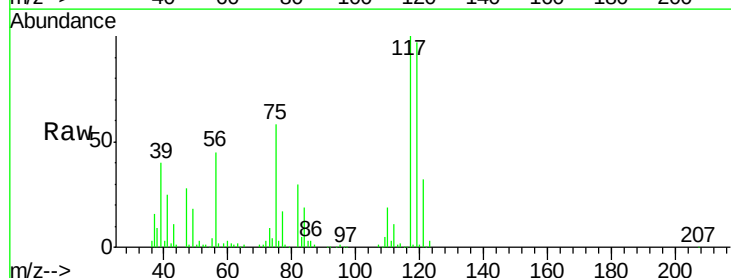
RT: 7.92 min Scan# 1015

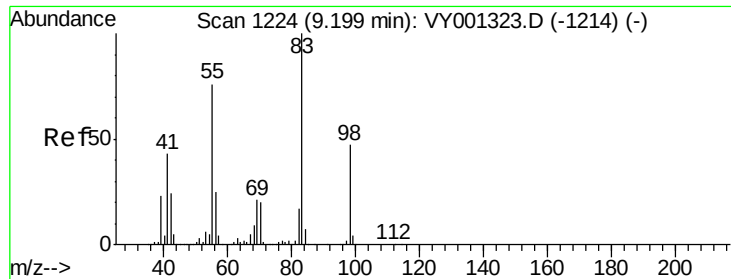
Delta R.T. -0.00 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Tgt Ion:	117	Resp:	127693
Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.3	114.5
121	32.0	23.5	35.3





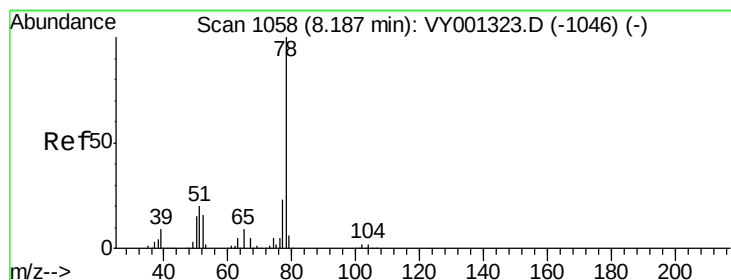
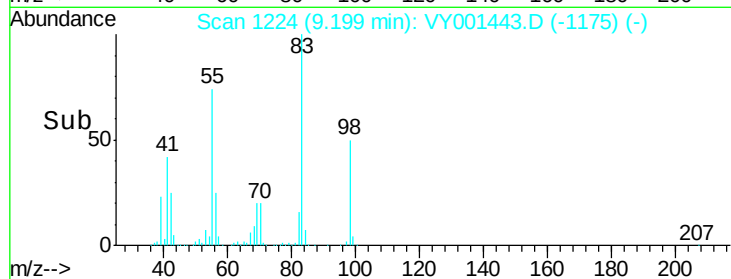
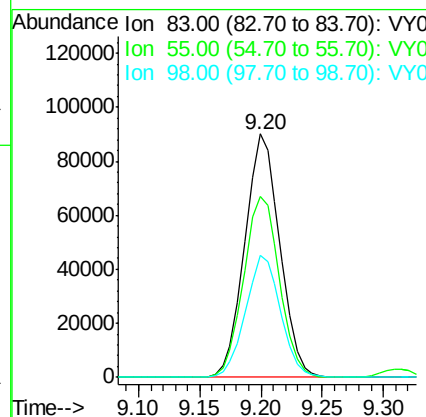
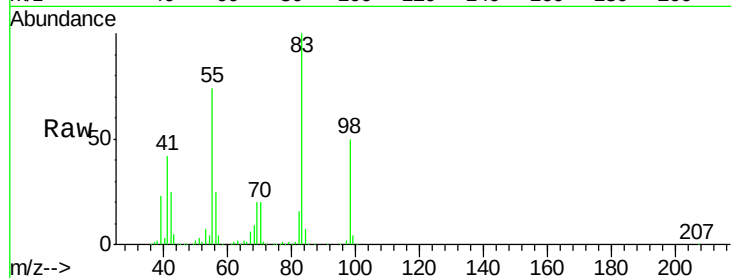
#39
Methylvlcyclohexane
Concen: 48.514 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.7	91.1
98	50.3	37.8	56.8

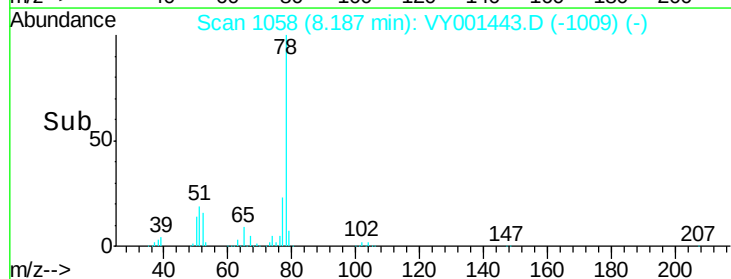
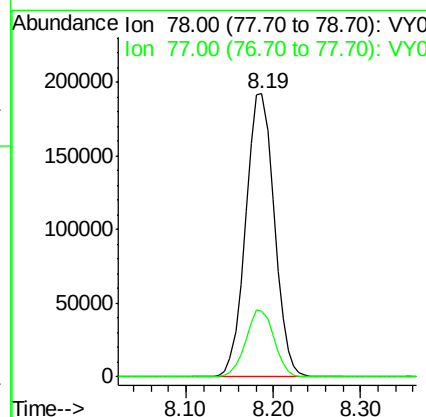
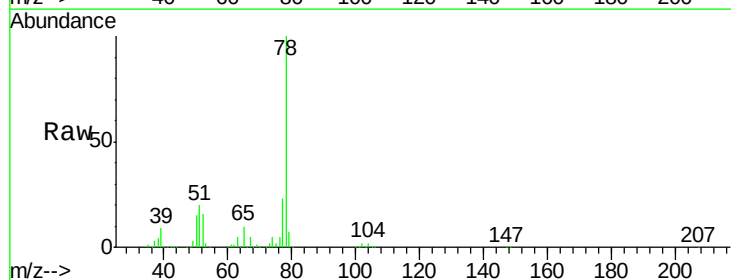
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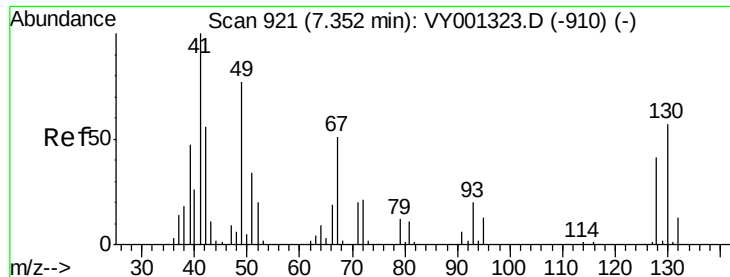
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#40
Benzene
Concen: 50.567 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	27.8





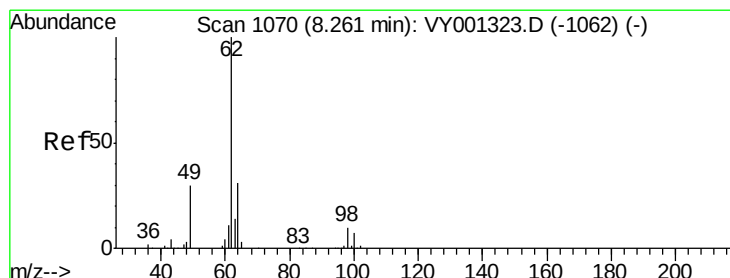
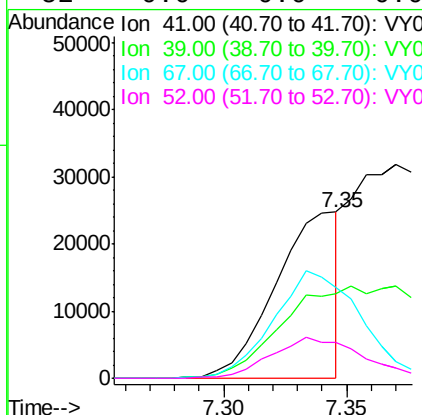
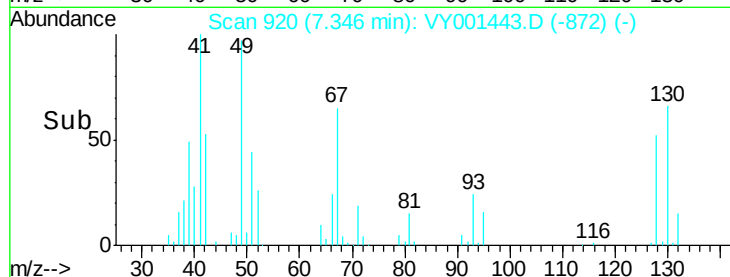
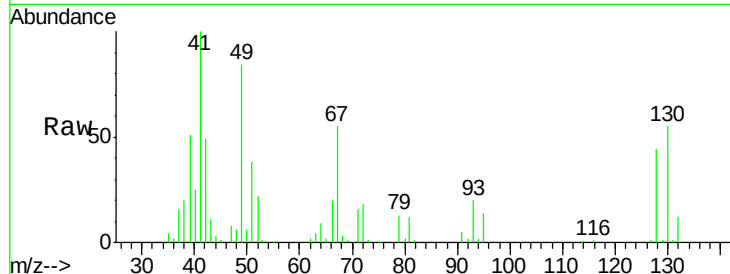
#41
Methacrylonitrile
Concen: 49.828 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	45314
Ion	Ratio	Lower	Upper
41	100		
39	72.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

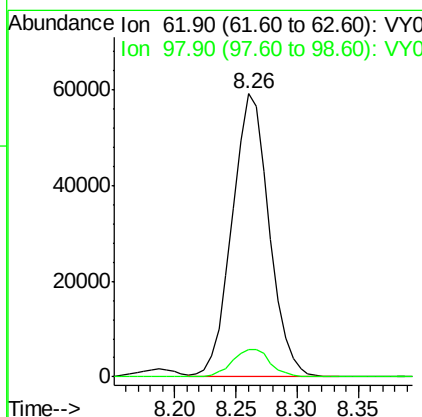
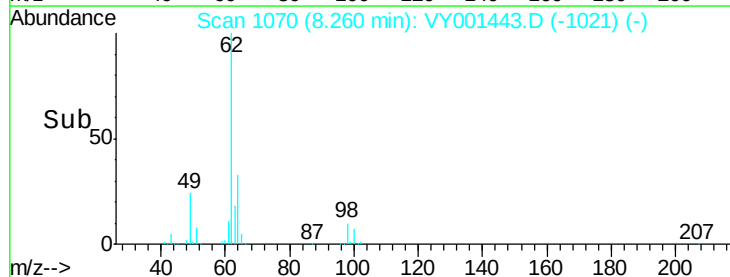
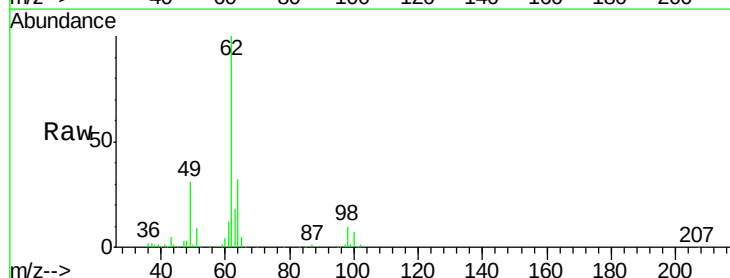
Manual Integrations
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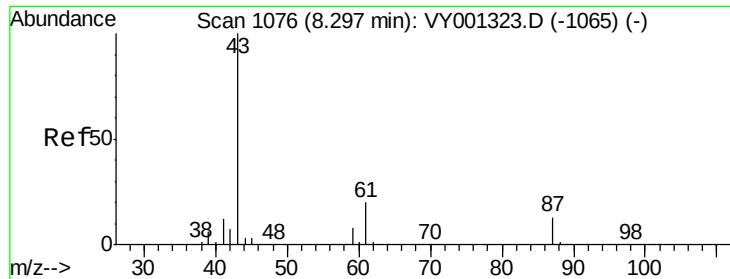
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#42
1,2-Dichloroethane
Concen: 51.497 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	62	Resp	124446
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8





#43

Isopropyl Acetate

Concen: 54.712 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

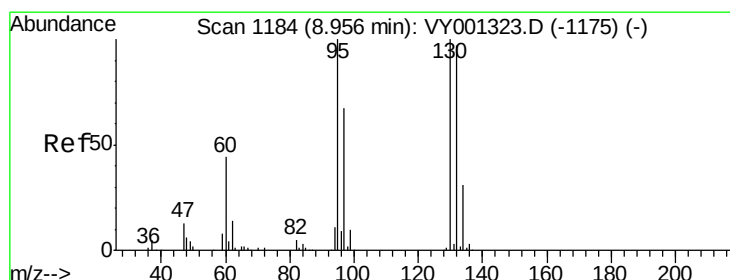
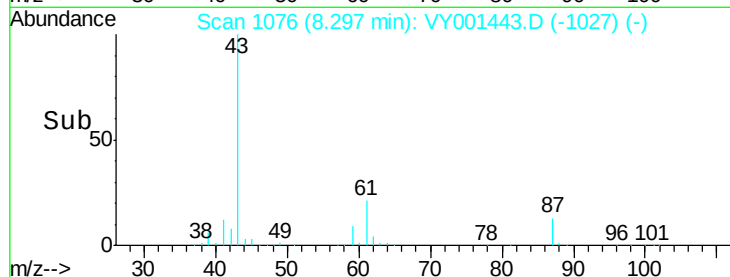
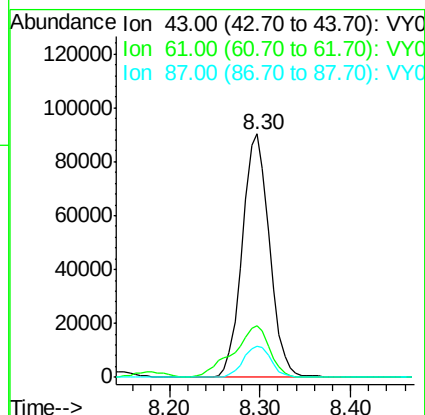
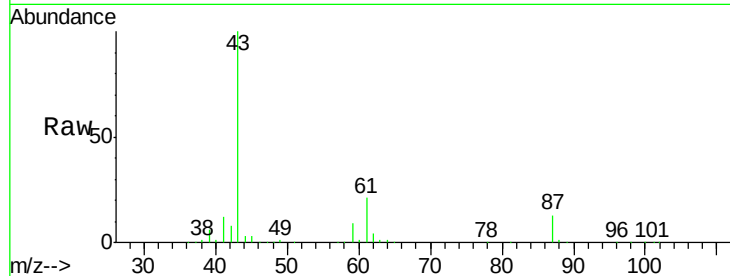
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	187481
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.7	34.1
87	13.0	11.0	16.4

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#44

Trichloroethene

Concen: 48.706 ug/l

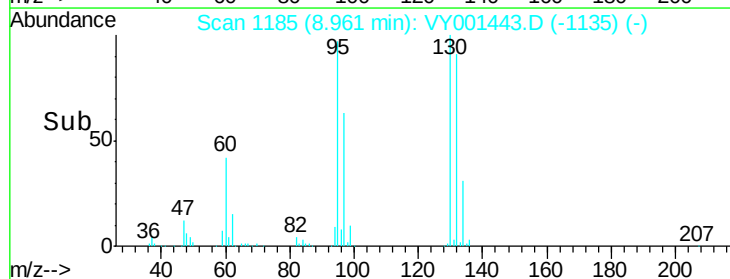
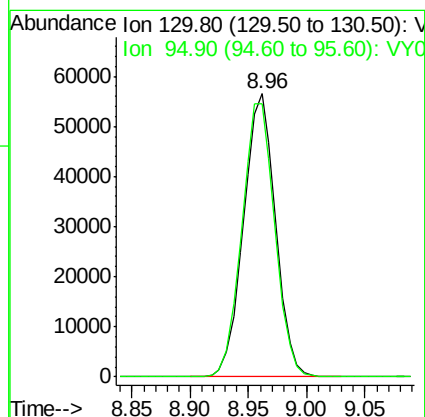
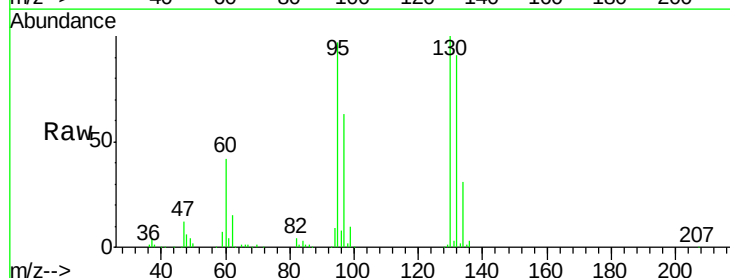
RT: 8.96 min Scan# 1185

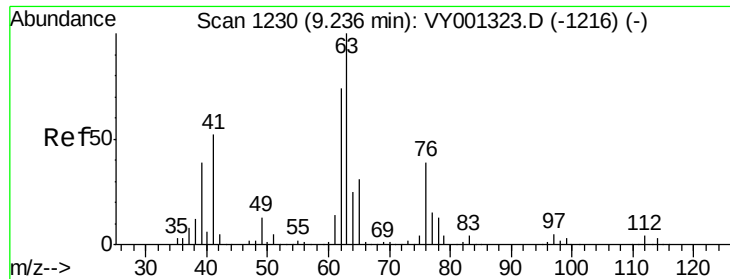
Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Tgt Ion:	130	Resp:	108096
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	200.0





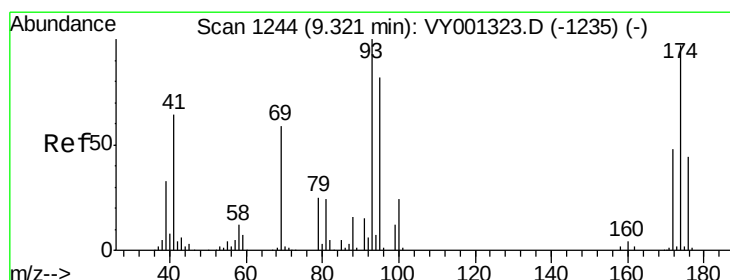
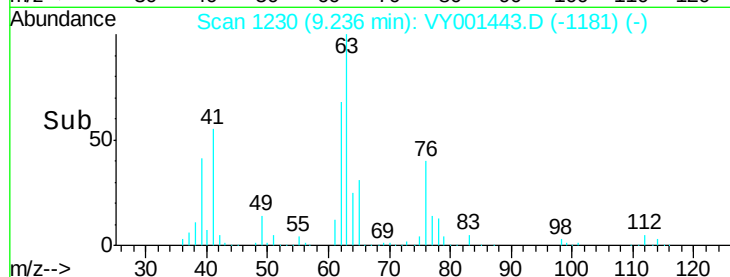
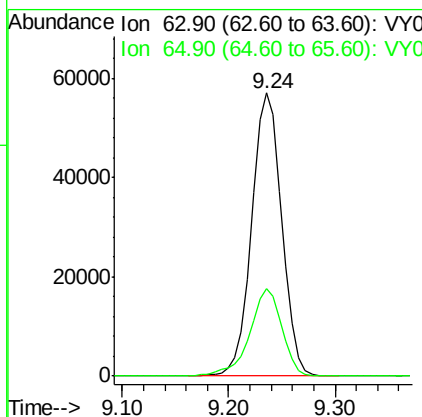
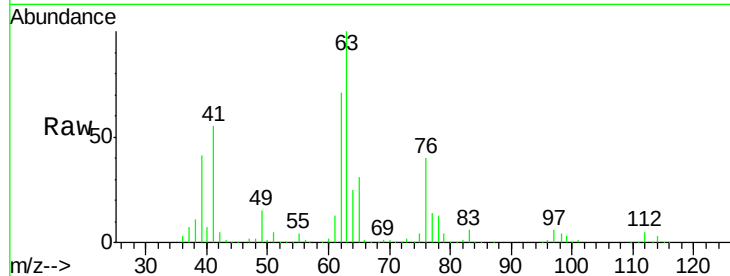
#45
 1,2-Dichloropropane
 Concen: 51.606 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 112827
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3

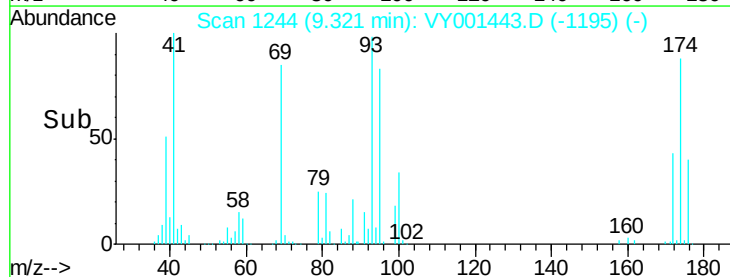
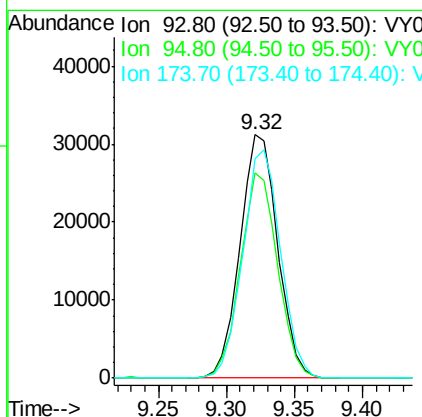
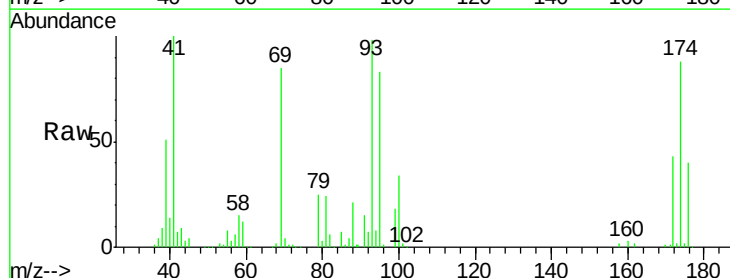
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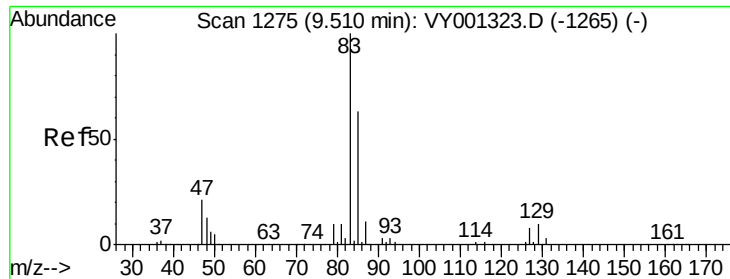
MMDadoda
 1/31/2020 4:26:04 PM



#46
 Dibromomethane
 Concen: 51.539 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion: 93 Resp: 60493
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 94.2 77.9 116.9





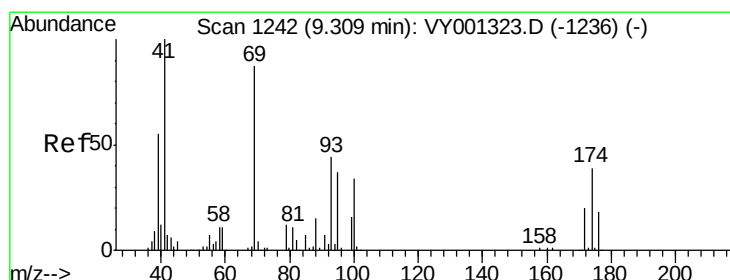
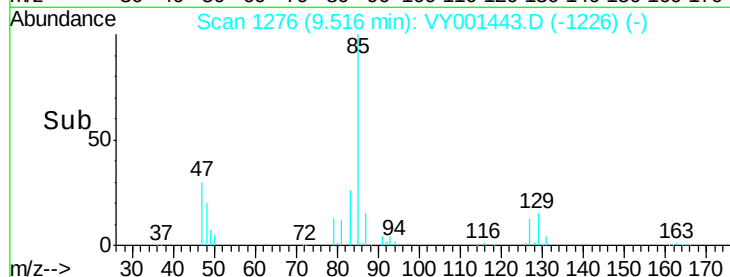
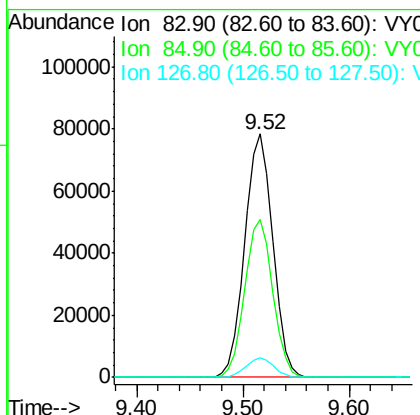
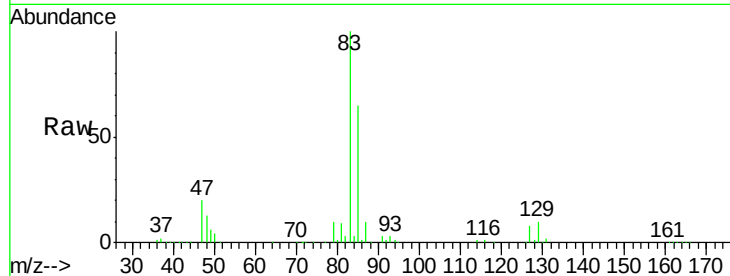
#47
Bromodichloromethane
Concen: 51.852 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.2	75.2
127	8.1	6.4	9.6

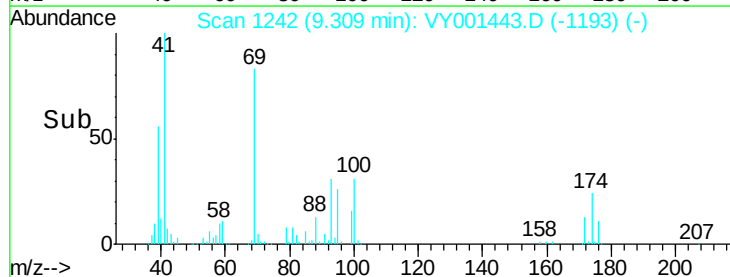
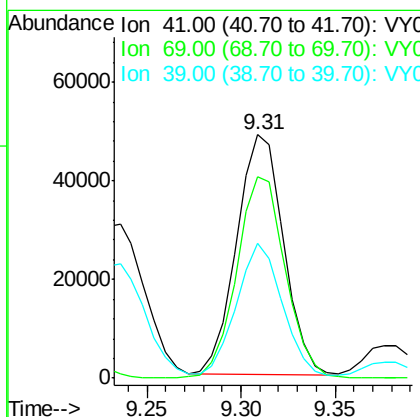
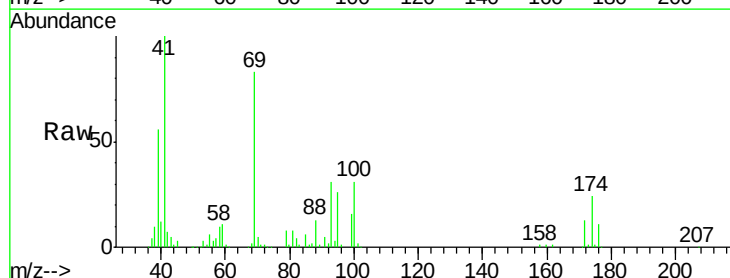
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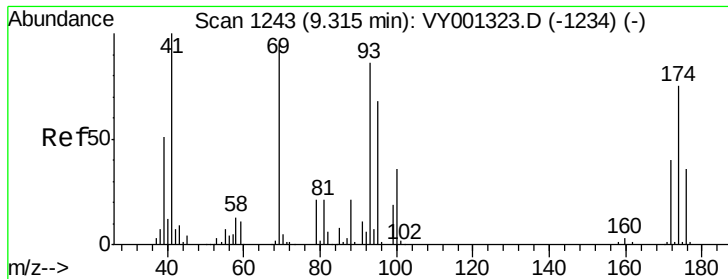
MMDadoda
1/31/2020 4:26:04 PM



#48
Methyl methacrylate
Concen: 54.085 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.9	70.2	105.4
39	55.6	45.7	68.5





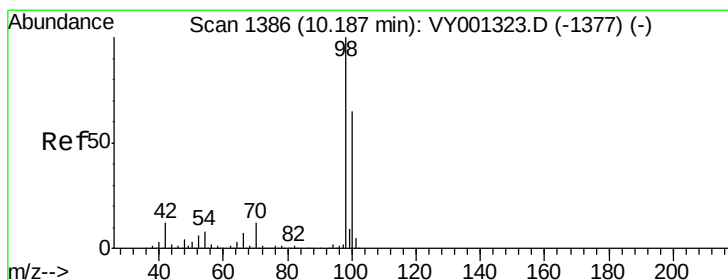
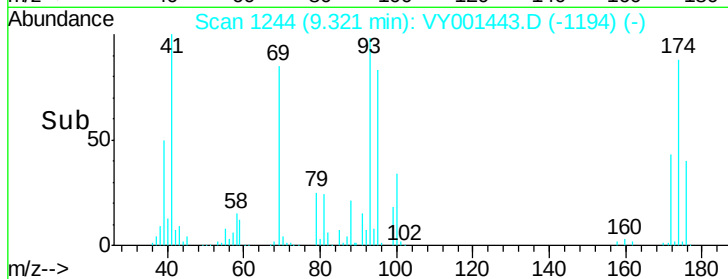
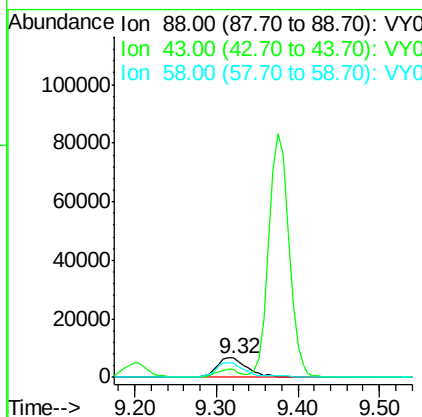
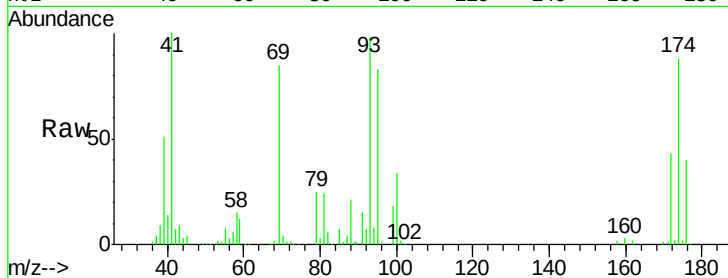
#49
 1,4-Dioxane
 Concen: 1074.556 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	17786
Ion	Ratio	Lower	Upper
88	100		
43	30.9	28.2	42.2
58	75.1	55.6	83.4

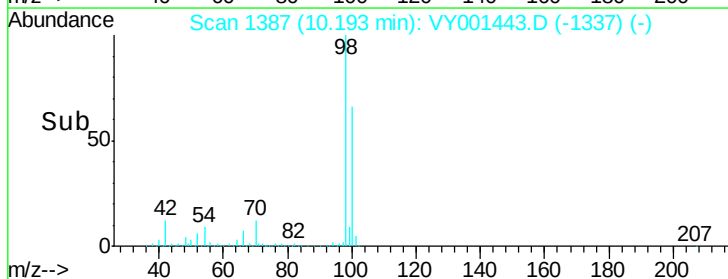
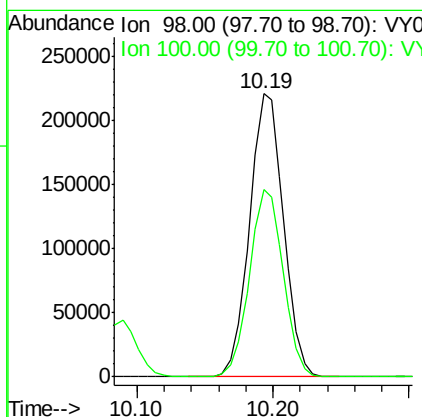
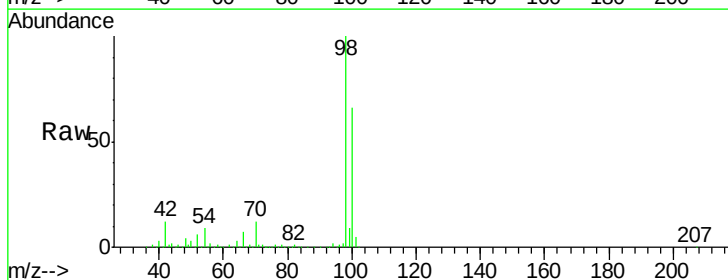
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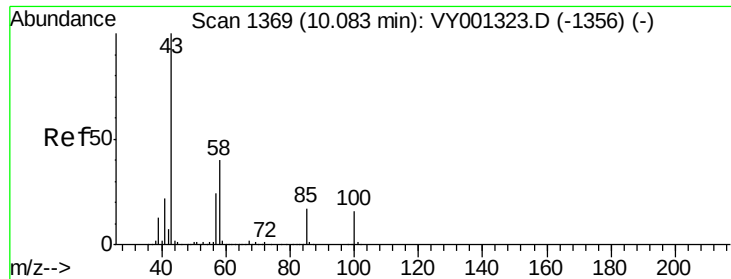
MMDadoda
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#50
 Toluene-d8
 Concen: 55.359 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	98	Resp	385402
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	79.0





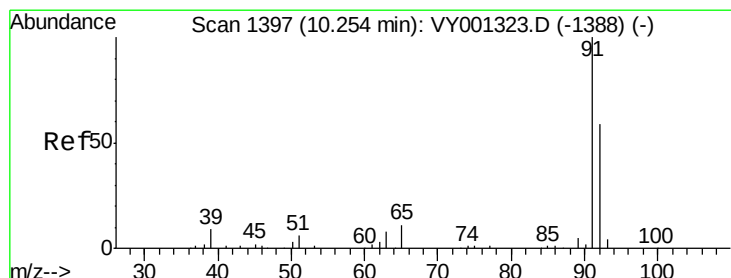
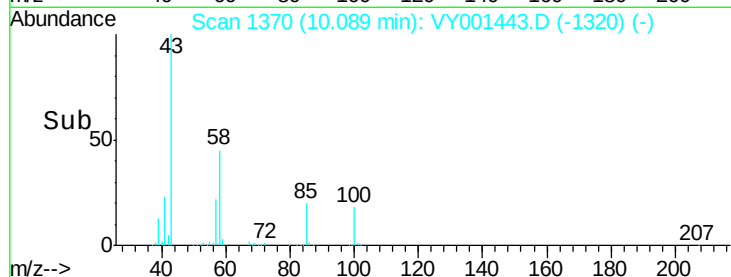
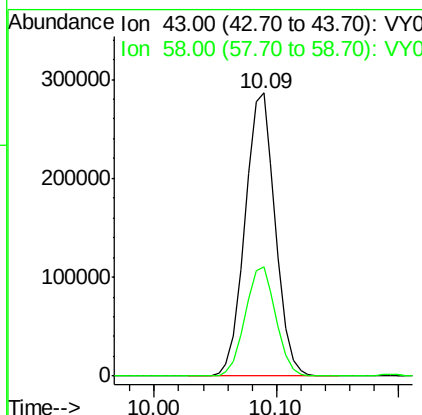
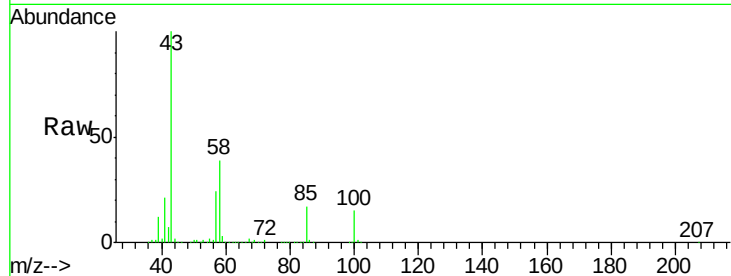
#51
4-Methyl-2-Pentanone
Concen: 277.847 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	490321
Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.5	47.3

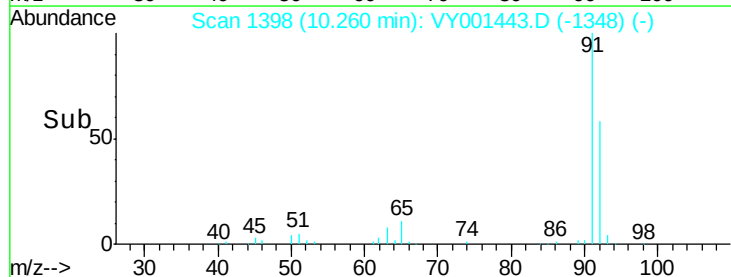
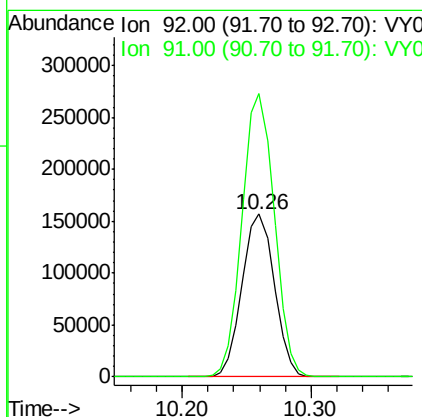
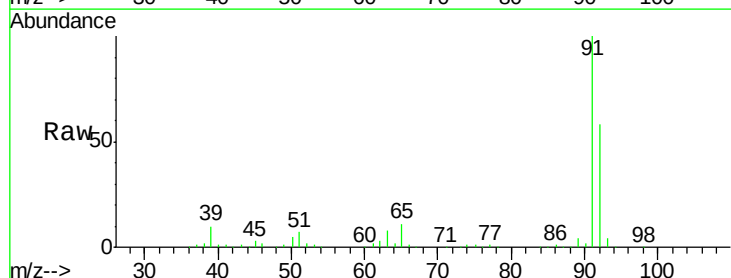
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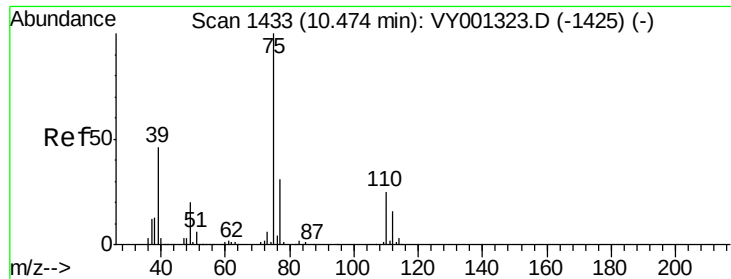
MMDadoda
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#52
Toluene
Concen: 49.879 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	92	Resp	273458
Ion	Ratio	Lower	Upper
92	100		
91	172.8	136.4	204.6





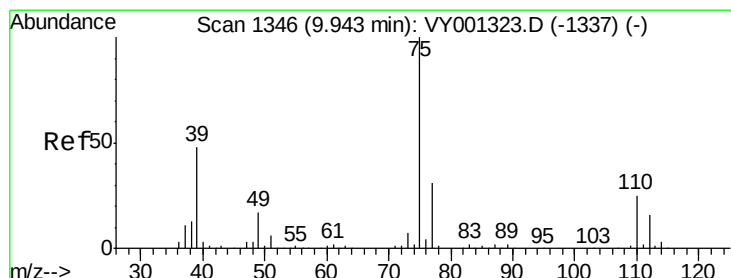
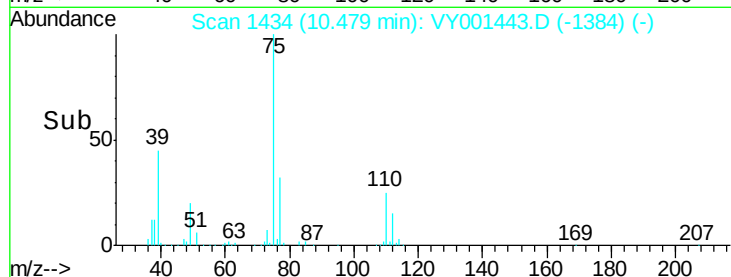
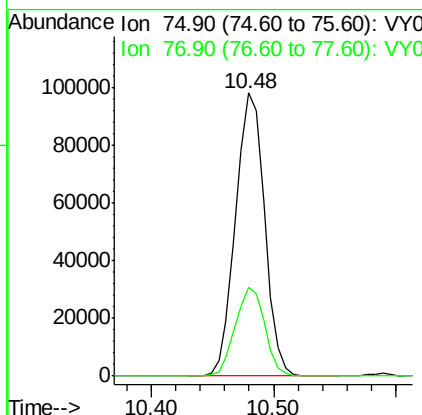
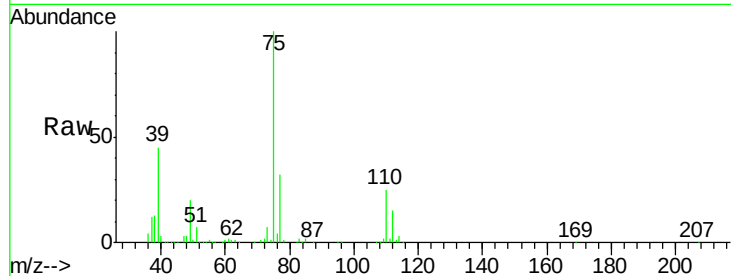
#53
t-1,3-Dichloropropene
Concen: 51.888 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 161370
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

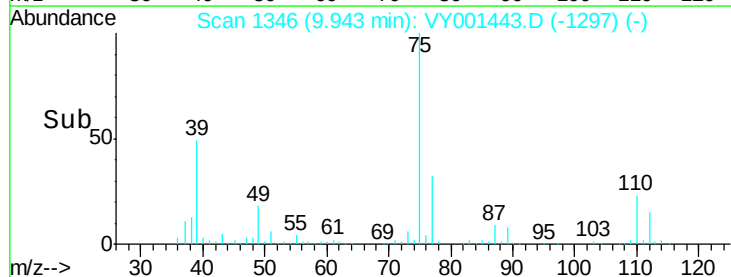
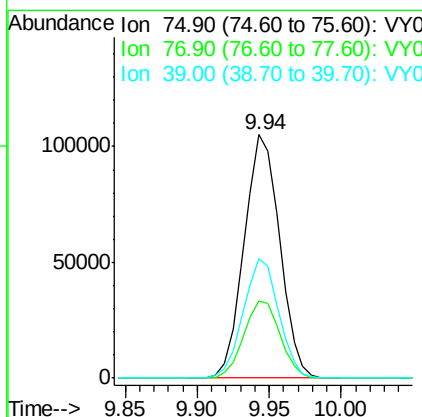
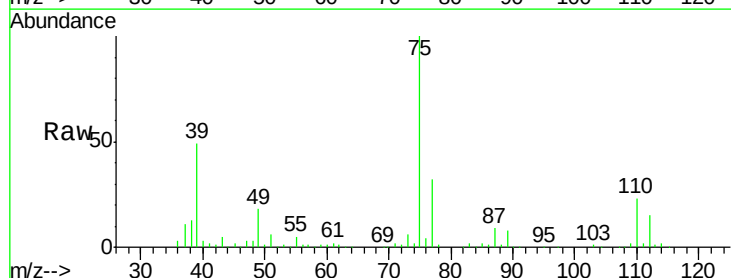
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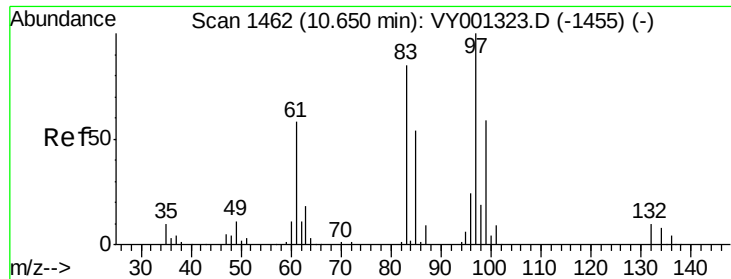
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#54
cis-1,3-Dichloropropene
Concen: 50.236 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion: 75 Resp: 179323
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 49.0 38.2 57.4





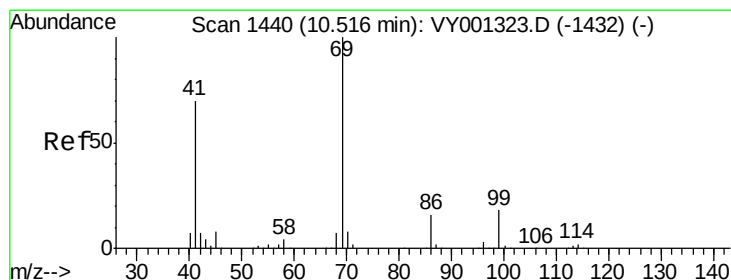
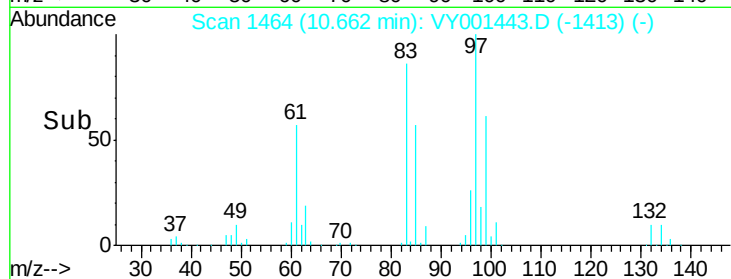
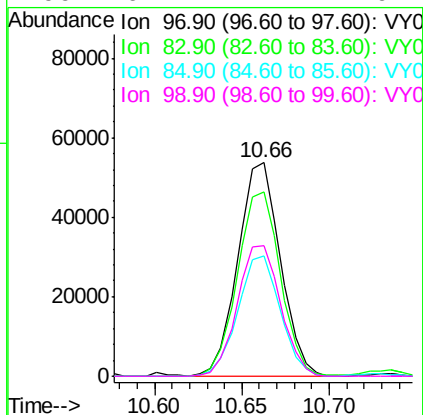
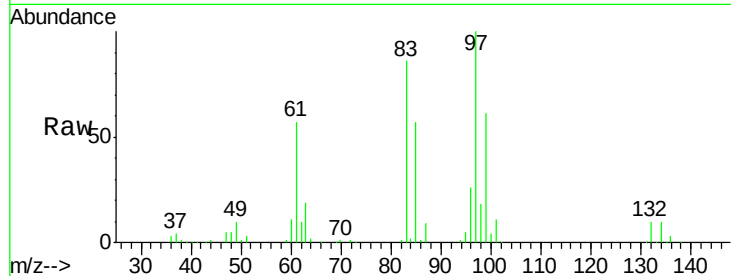
#55
 1,1,2-Trichloroethane
 Concen: 52.291 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		90589		
83	85.9	68.0	102.0		
85	56.5	43.6	65.4		
99	61.1	47.1	70.7		

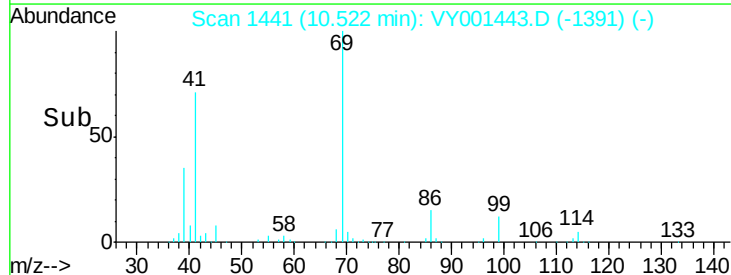
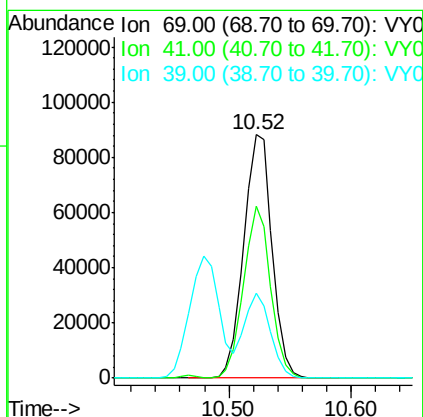
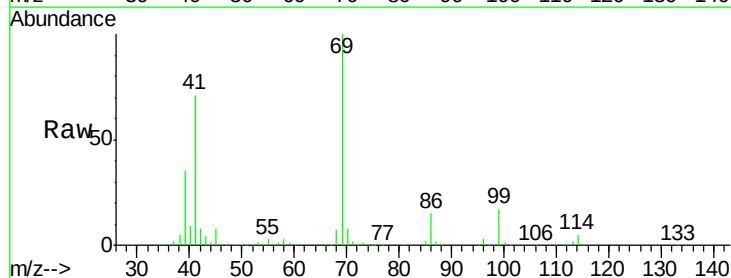
Manual Integrations
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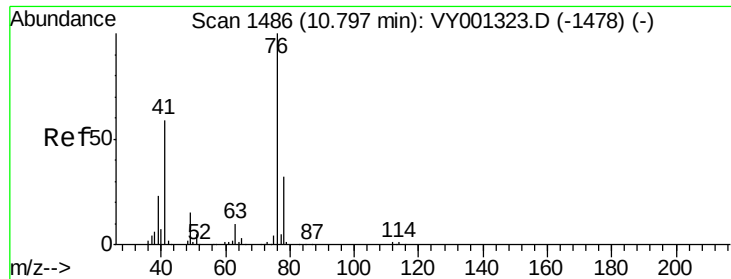
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#56
 Ethyl methacrylate
 Concen: 54.240 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		142022		
41	67.0	54.1	81.1		
39	32.0	26.8	40.2		





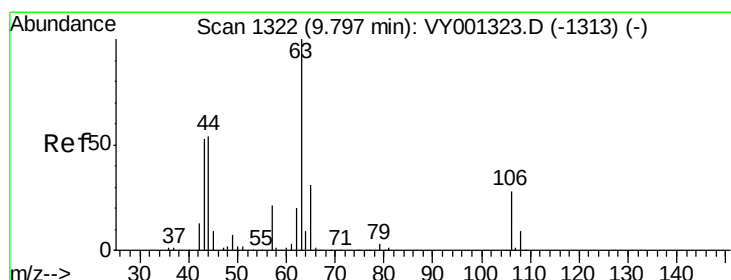
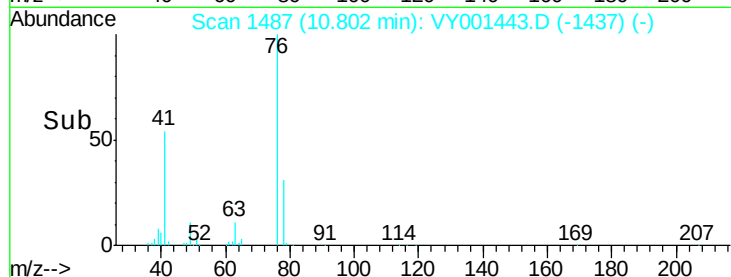
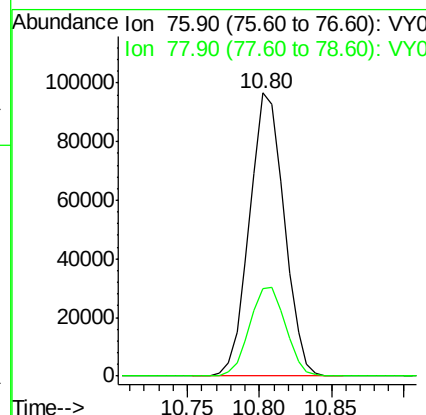
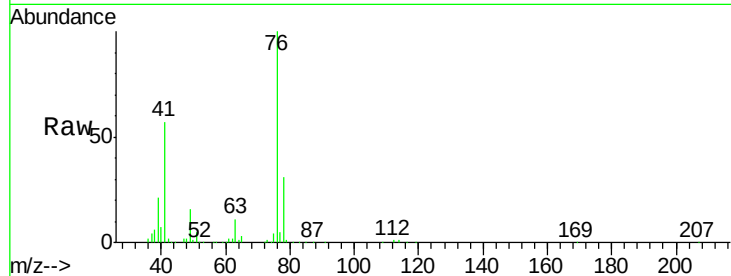
#57
 1,3-Dichloropropane
 Concen: 53.325 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 160927
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

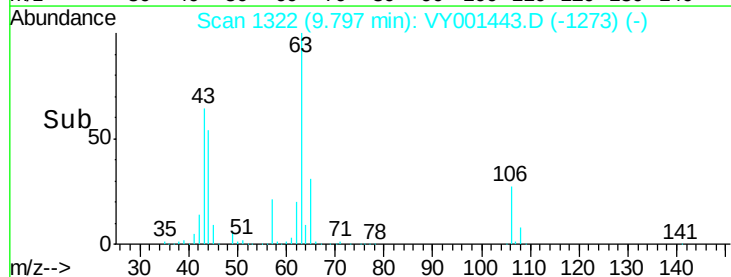
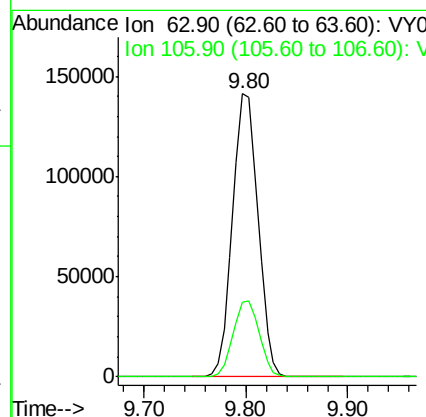
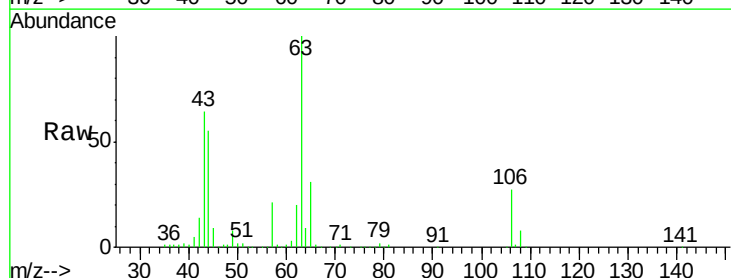
Manual Integrations
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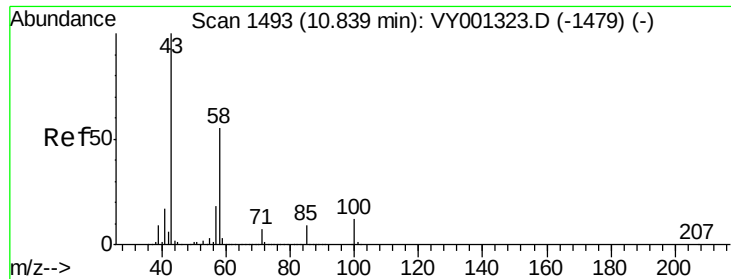
MMDadoda
 1/31/2020 4:26:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.958 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion: 63 Resp: 244598
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.5 33.7





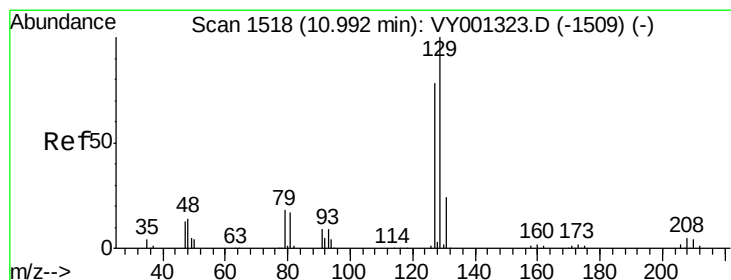
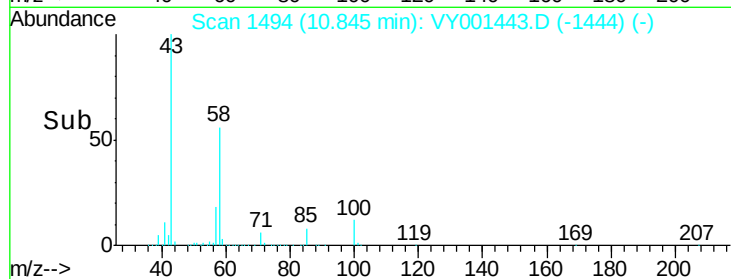
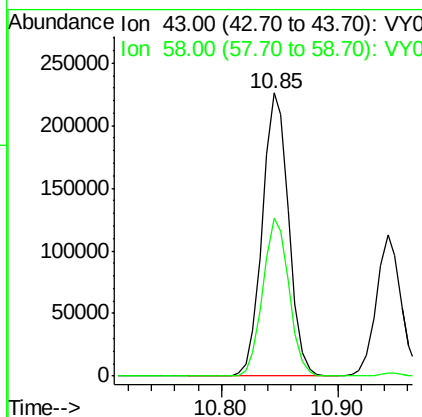
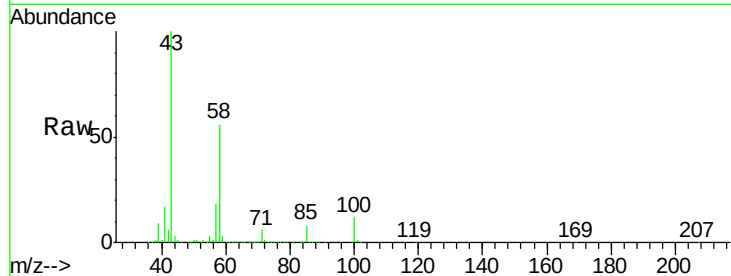
#59
2-Hexanone
Concen: 289.358 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	355488
Ion Ratio	100	Lower	Upper
43	100		
58	55.8	27.6	82.8

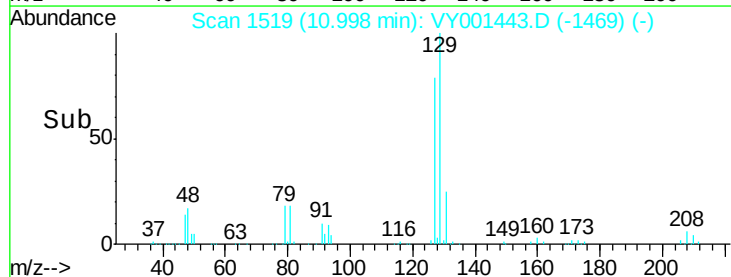
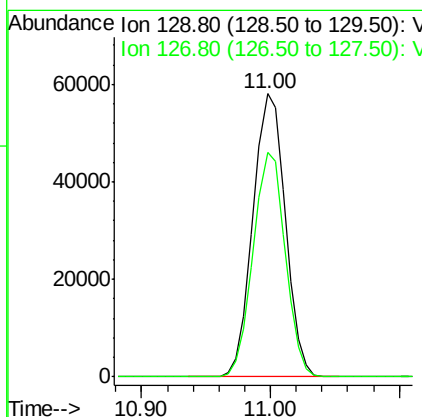
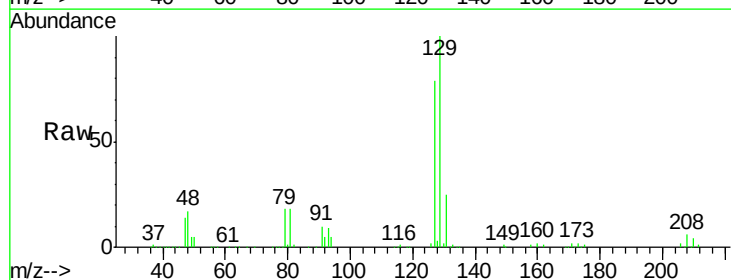
Manual Integrations
APPROVED

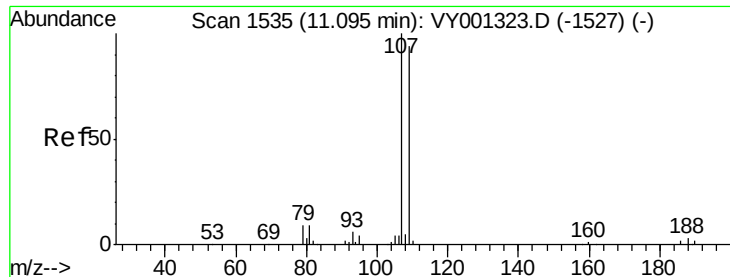
MMDadoda
1/31/2020 4:26:04 PM



#60
Dibromochloromethane
Concen: 52.105 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	129	Resp	100960
Ion Ratio	100	Lower	Upper
129	100		
127	78.4	38.8	116.4





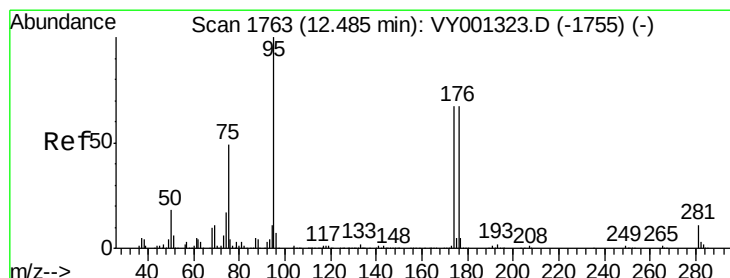
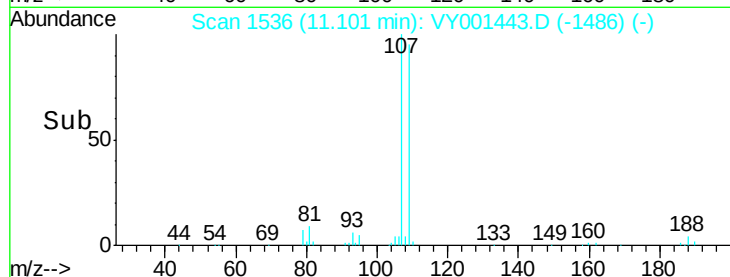
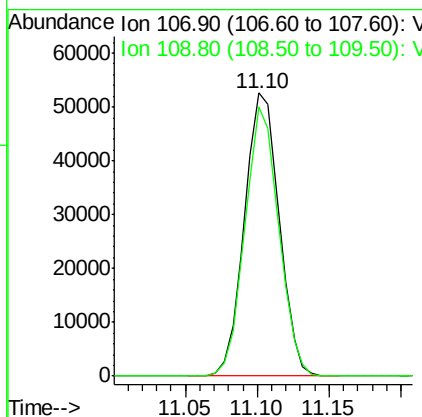
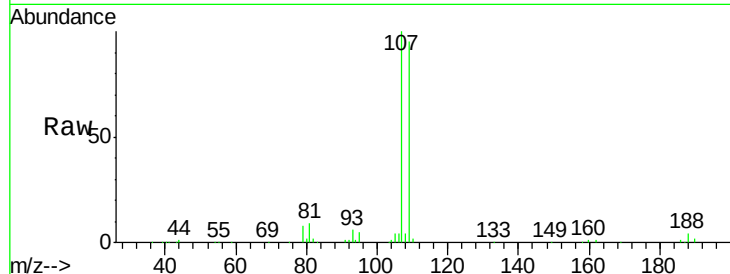
#61
 1,2-Dibromoethane
 Concen: 53.504 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 87625
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.0 112.6

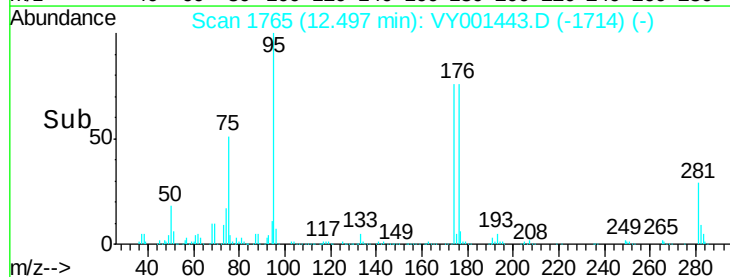
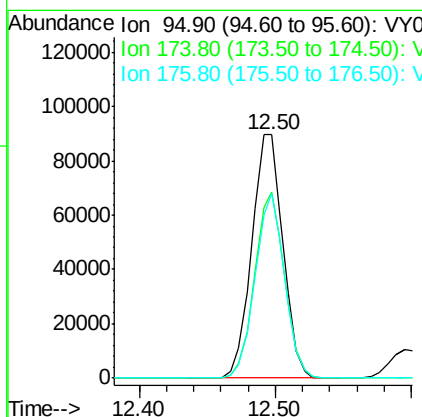
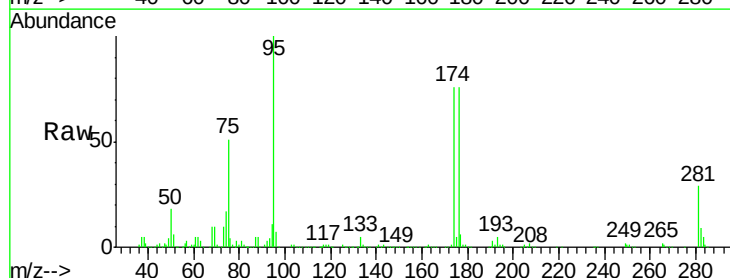
Manual Integrations
 APPROVED

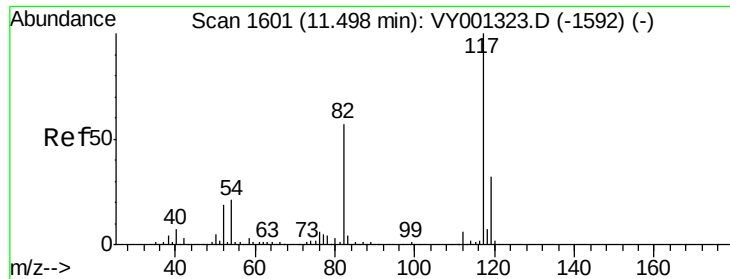
MMDadoda
 1/31/2020 4:26:04 PM



#62
 4-Bromofluorobenzene
 Concen: 51.861 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion: 95 Resp: 143781
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 142.0
 176 71.7 0.0 138.6





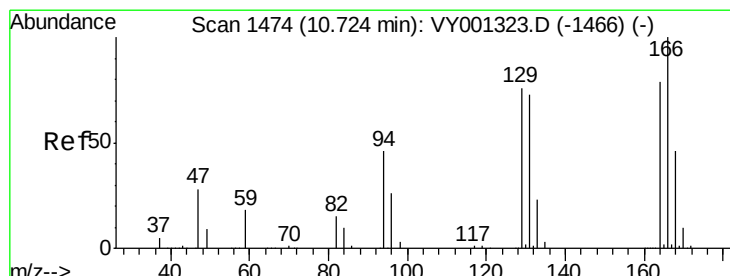
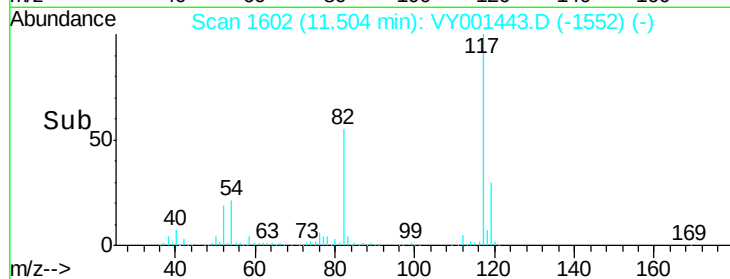
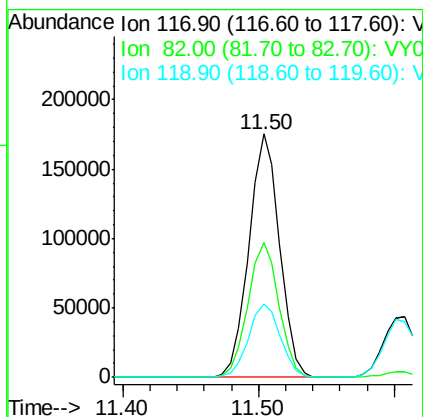
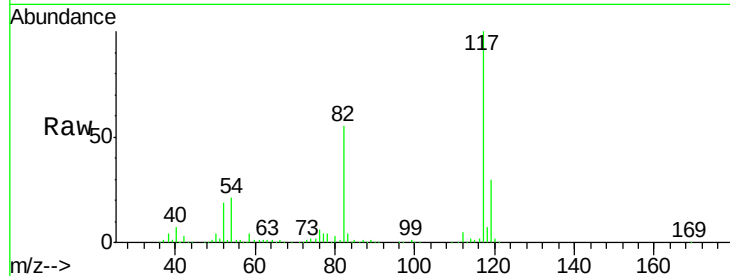
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.5	68.3
119	30.3	25.8	38.6

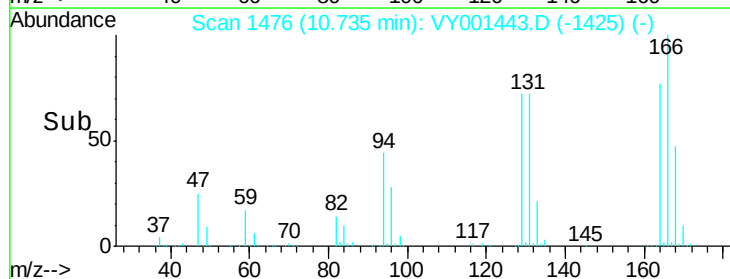
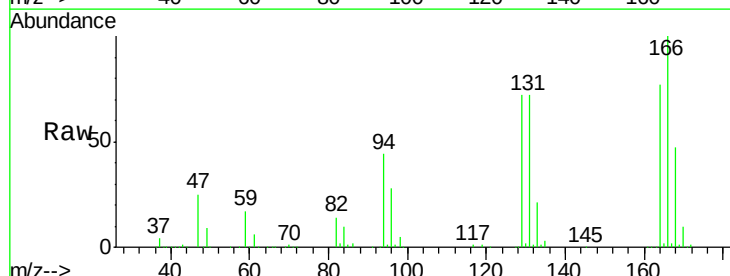
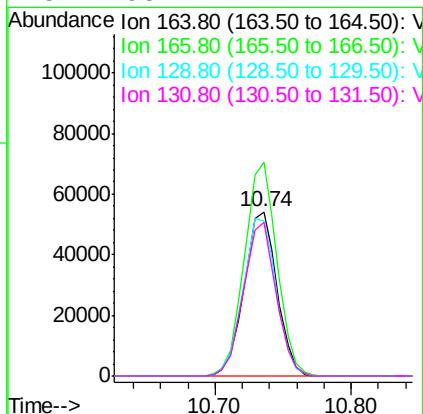
Manual Integrations
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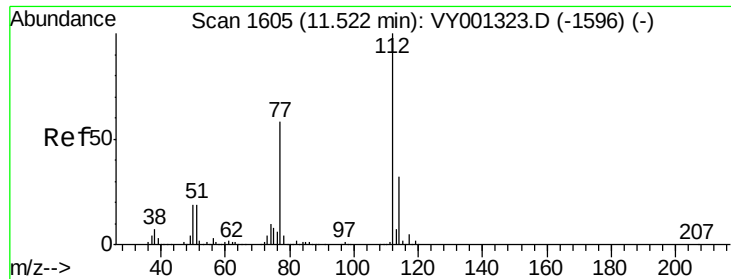
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1/31/2020 4:26:04 PM



#64
Tetrachloroethene
Concen: 51.589 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.8	152.8
129	94.2	77.1	115.7
131	93.7	74.2	111.2





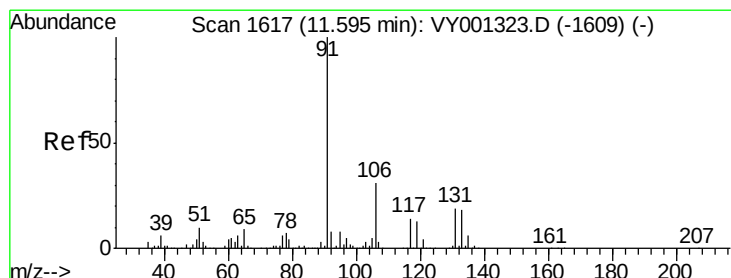
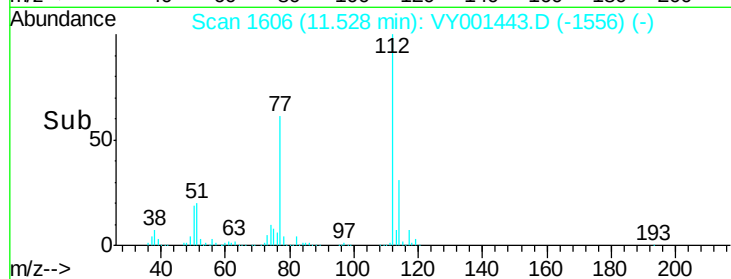
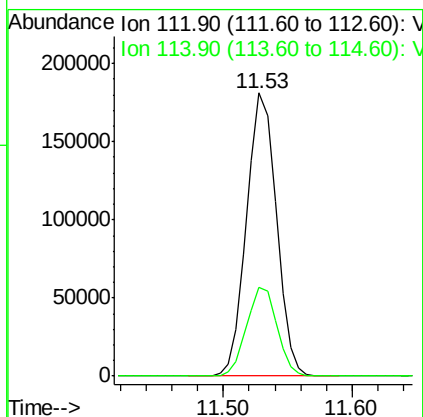
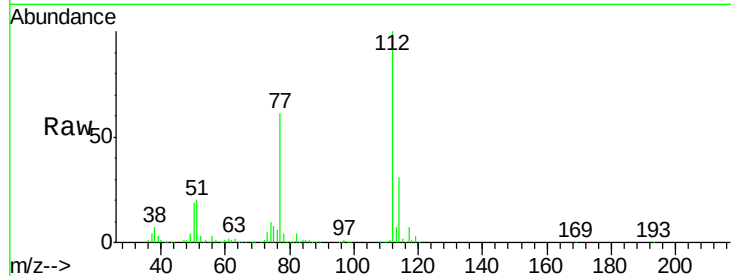
#65
Chlorobenzene
Concen: 49.667 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6

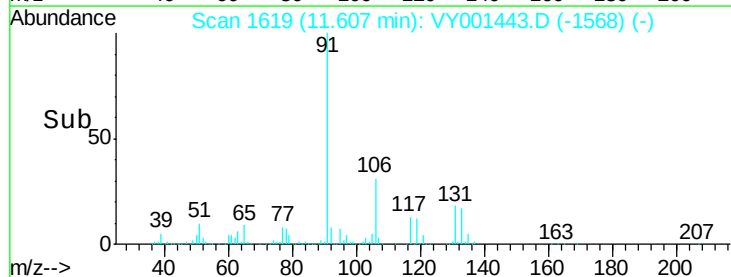
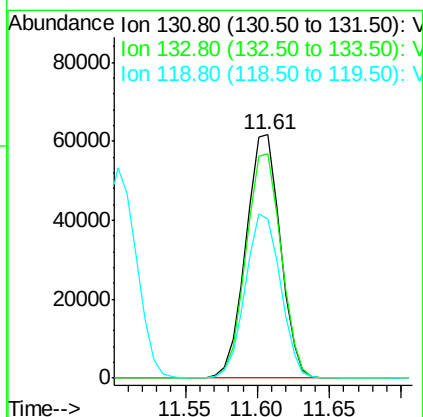
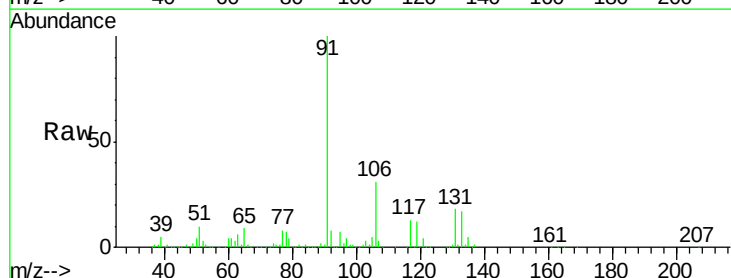
Manual Integrations
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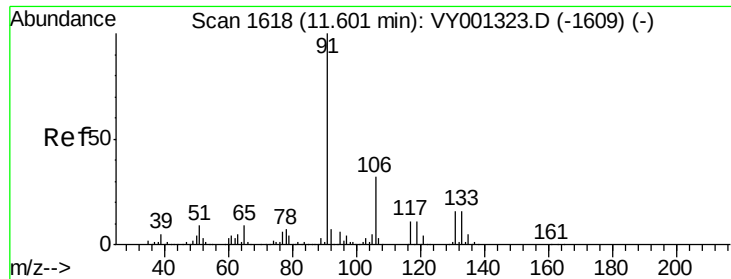
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.145 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.1	141.3
119	69.1	34.1	102.2





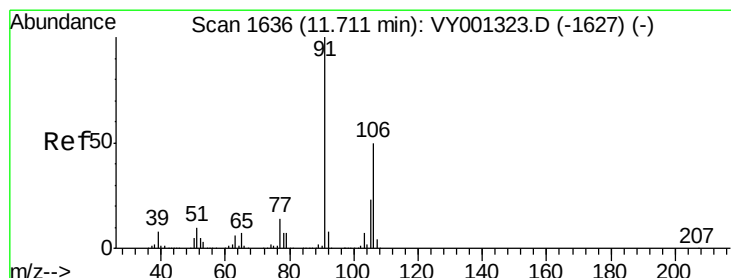
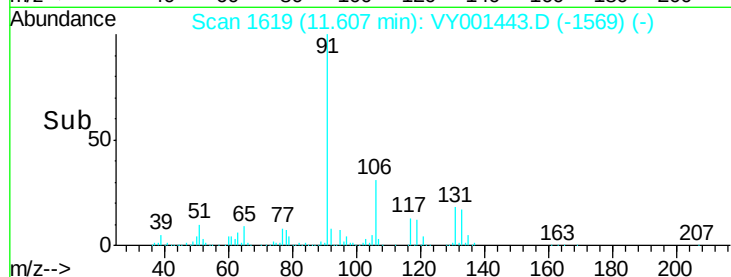
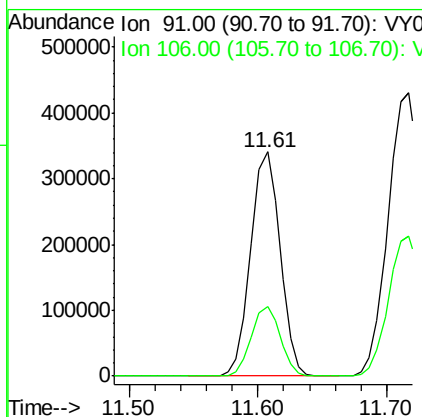
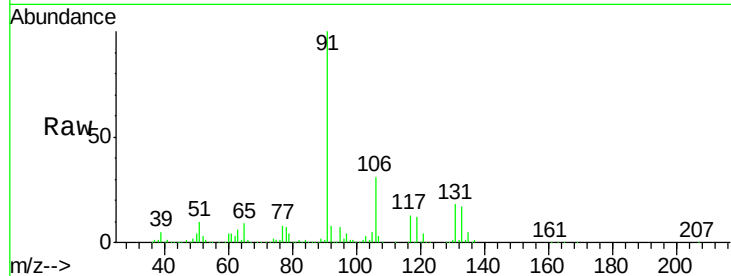
#67
Ethyl Benzene
Concen: 49.871 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 536343
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

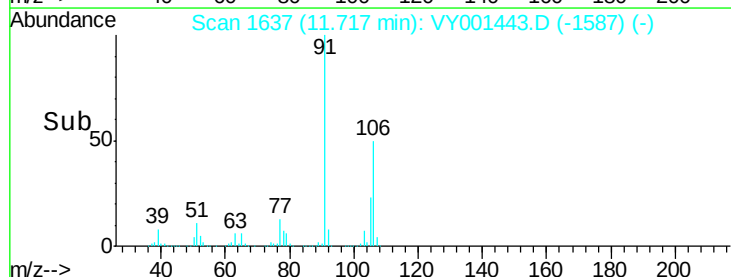
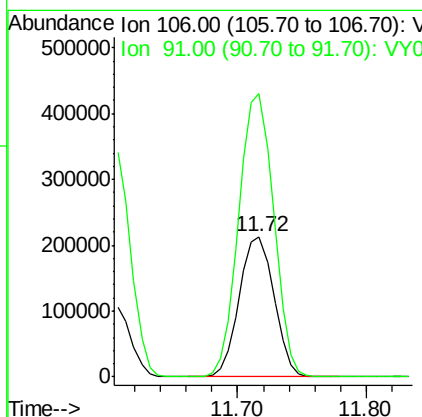
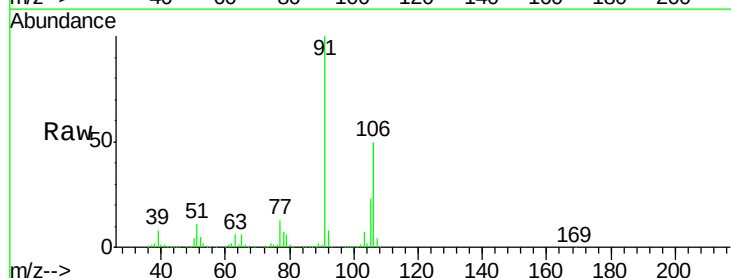
Manual Integrations
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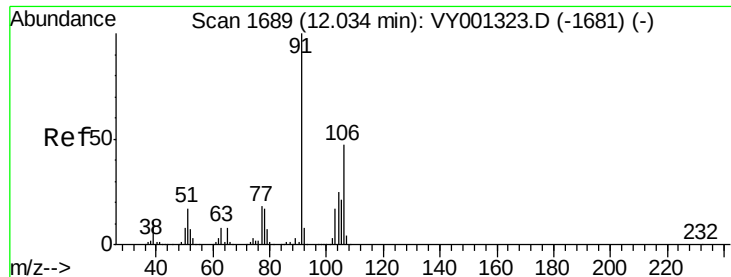
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#68
m/p-Xylenes
Concen: 99.483 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion: 106 Resp: 399590
Ion Ratio Lower Upper
106 100
91 202.0 162.8 244.2





#69

o-Xylene

Concen: 49.626 ug/l

RT: 12.04 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 191759

Ion Ratio Lower Upper

106 100

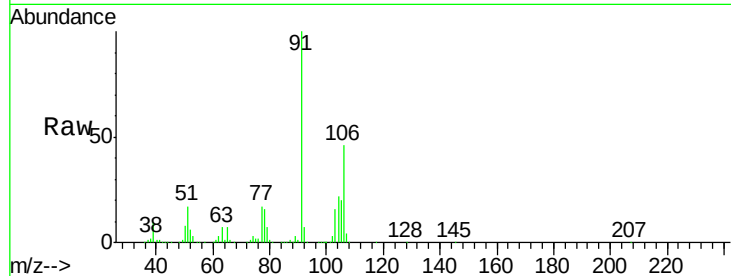
91 214.4 106.3 319.0

Manual Integrations

APPROVED

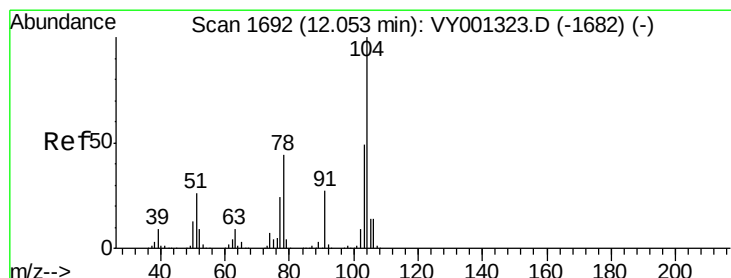
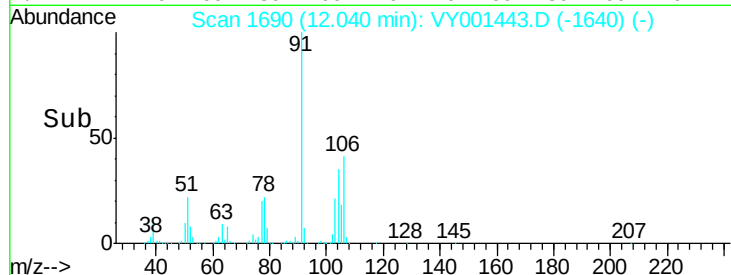
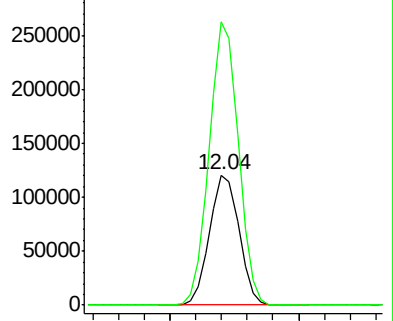
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#70

Styrene

Concen: 50.724 ug/l

RT: 12.06 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

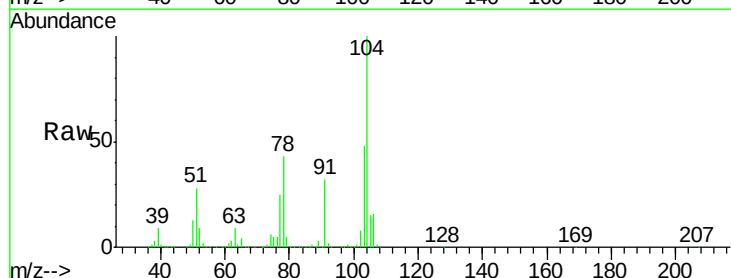
Tgt Ion:104 Resp: 343891

Ion Ratio Lower Upper

104 100

78 49.4 39.8 59.8

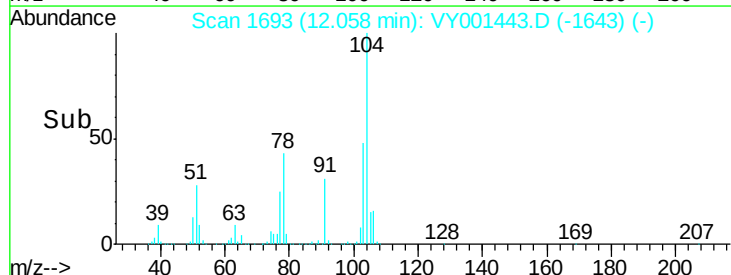
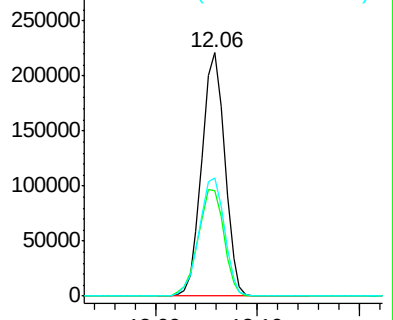
103 53.4 43.2 64.8

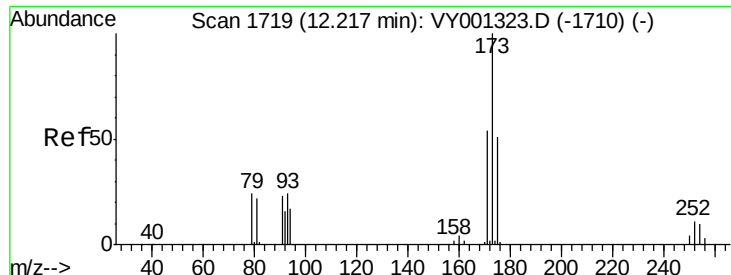


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.160 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 60820

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.9

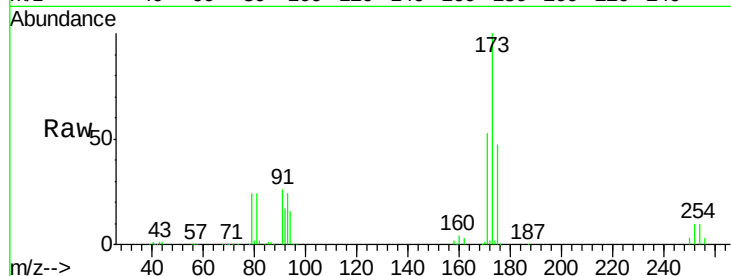
254 0.0 0.0 0.0

Manual Integrations

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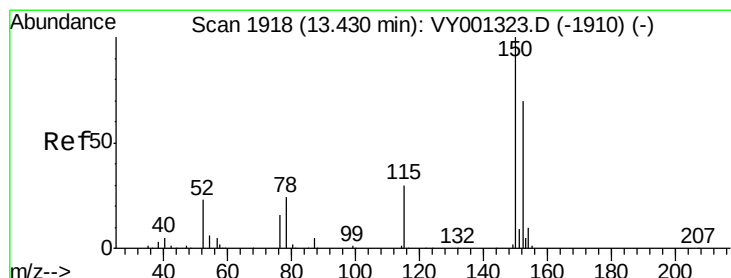
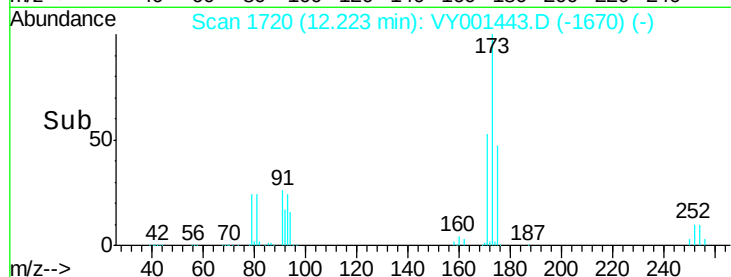
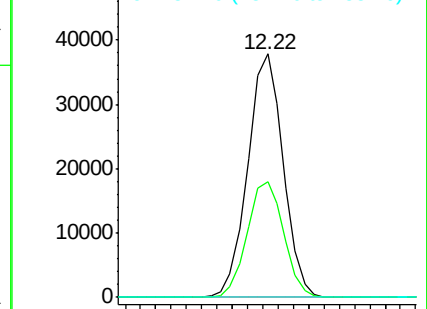
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

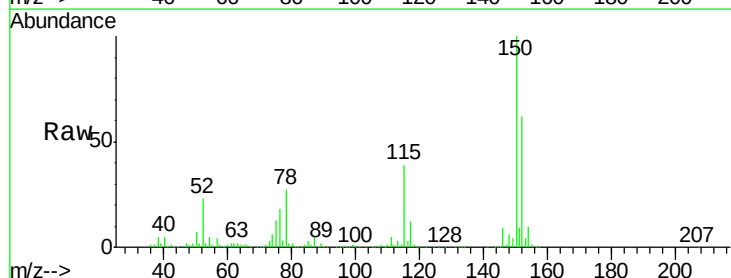
Tgt Ion:152 Resp: 132613

Ion Ratio Lower Upper

152 100

115 61.6 30.9 92.8

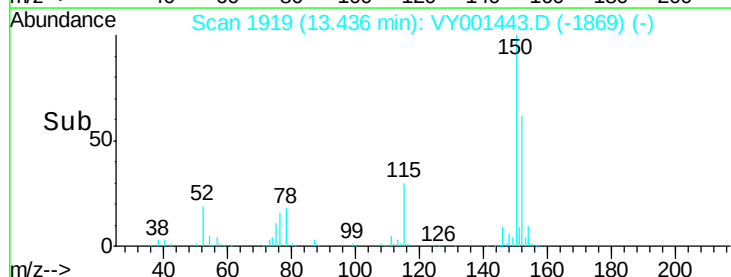
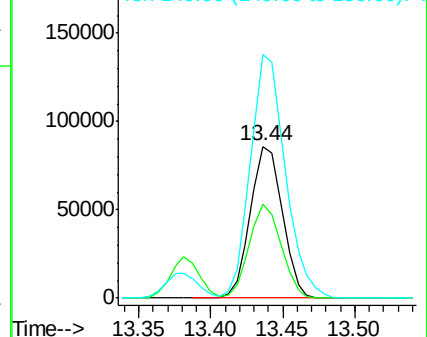
150 174.5 0.0 349.2

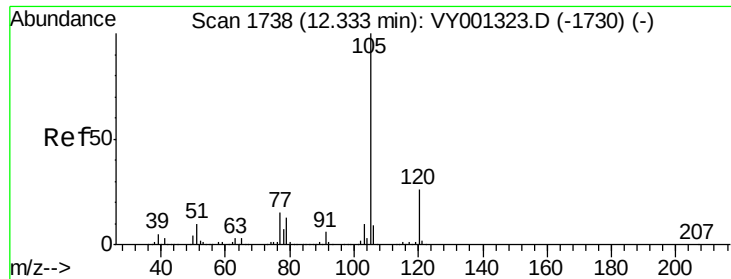


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





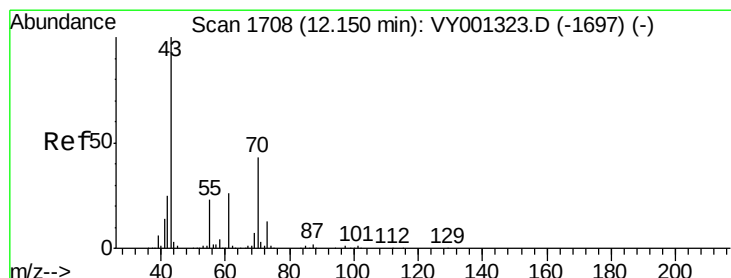
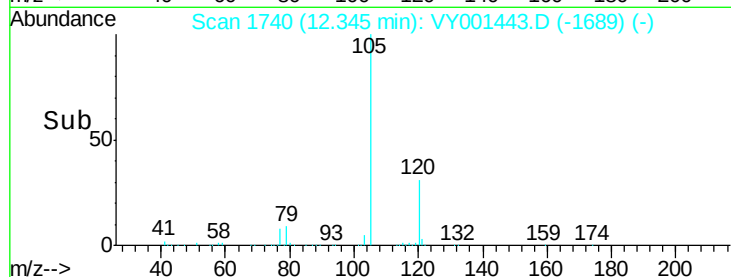
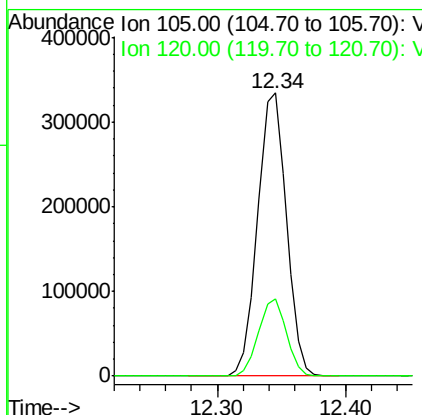
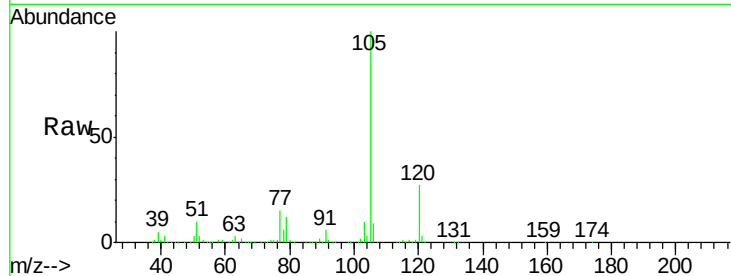
#73
Isopropylbenzene
Concen: 49.193 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

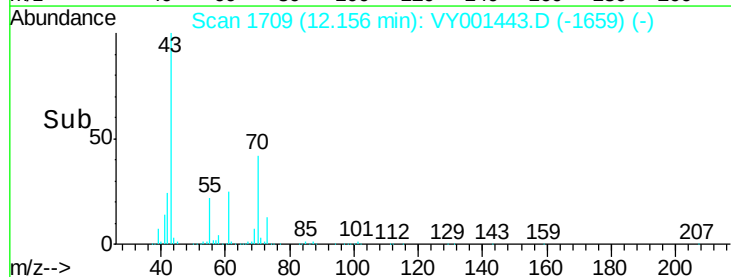
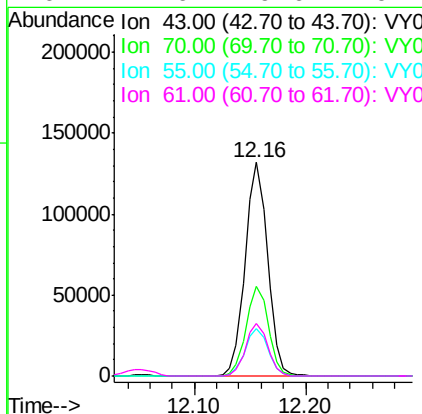
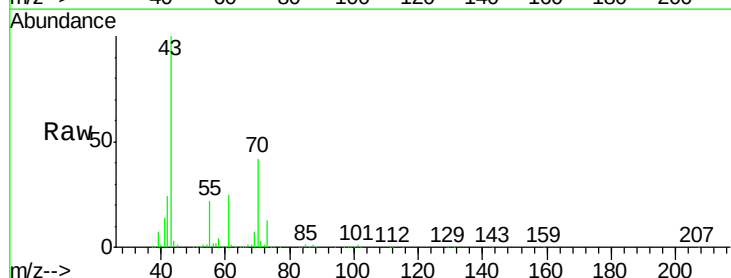
Manual Integrations
APPROVED

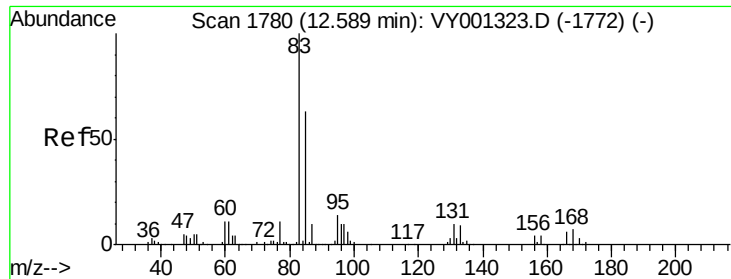
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#74
N-ethyl acetate
Concen: 53.918 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.5	50.3
55	22.9	18.2	27.2
61	24.6	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.396 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

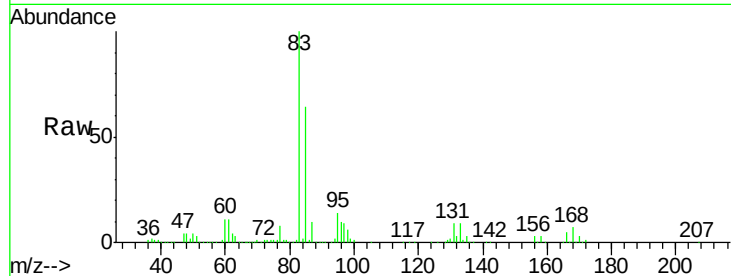
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	119664
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.6
85	64.7	31.4	94.3

Manual Integrations
APPROVED

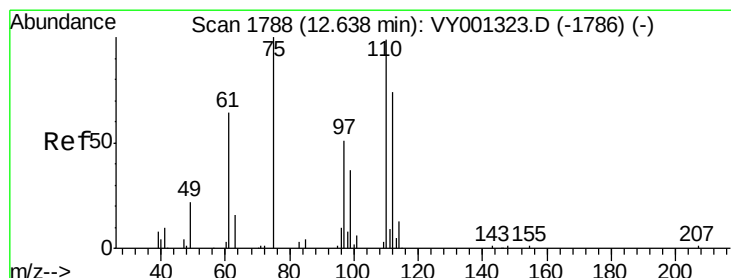
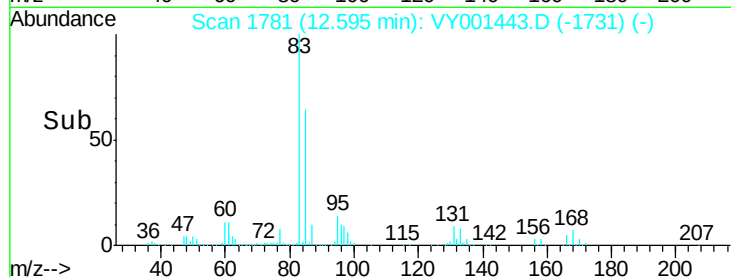
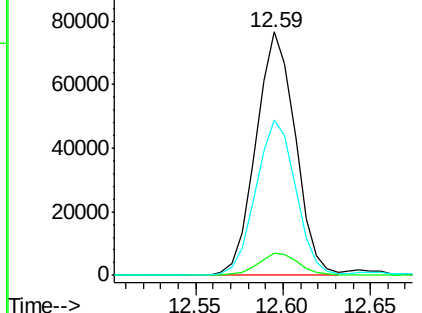
MMDadoda
1/31/2020 4:26:04 PM



Abundance Ion 82.90 (82.60 to 83.60): VY001443.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY001443.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY001443.D (-1731) (-)



#76

1,2,3-Trichloropropane

Concen: 56.342 ug/l m

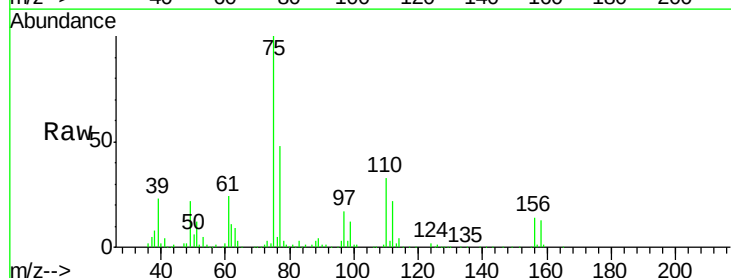
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001443.D

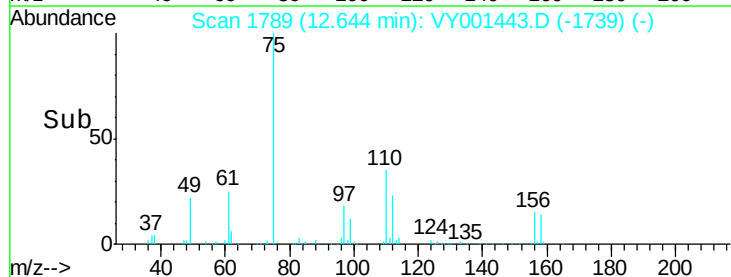
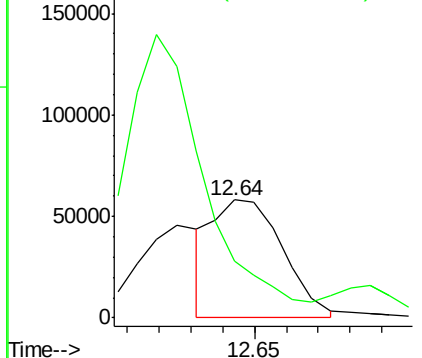
Acq: 30 Jan 2020 20:03

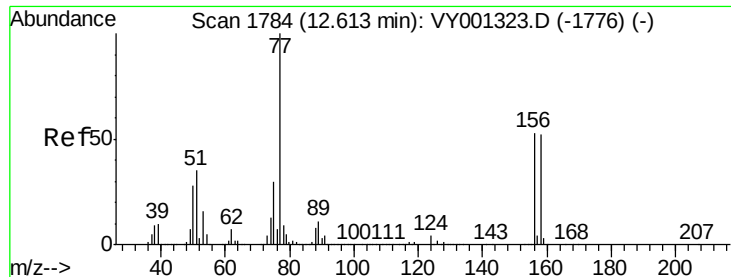
Tgt Ion:	75	Resp:	90035
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001443.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY001443.D (-1739) (-)





#77

Bromobenzene

Concen: 49.886 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

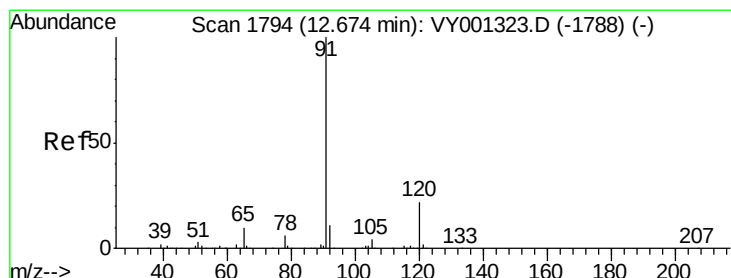
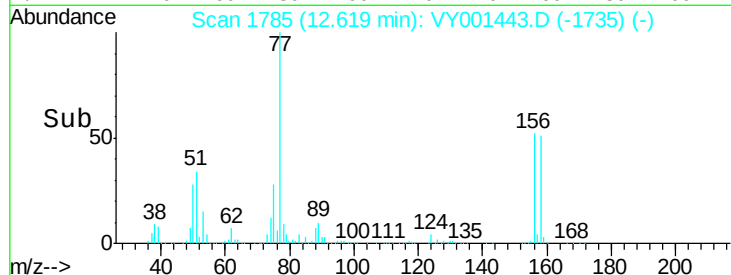
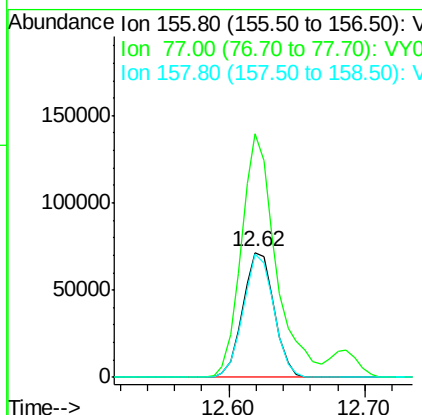
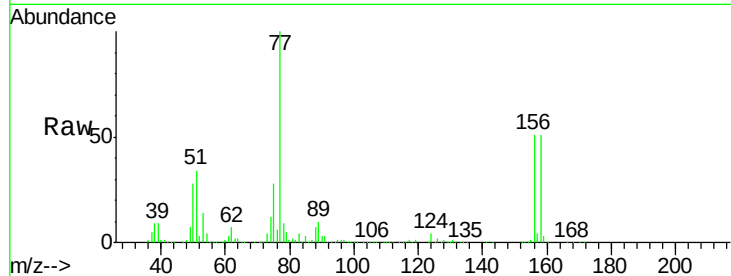
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	214.3	104.7	313.9	
158	96.1	48.6	145.8	

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#78

n-propylbenzene

Concen: 49.676 ug/l

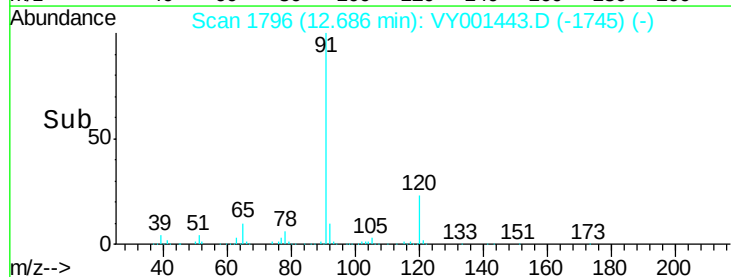
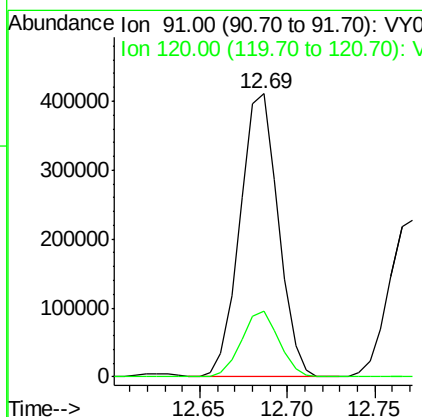
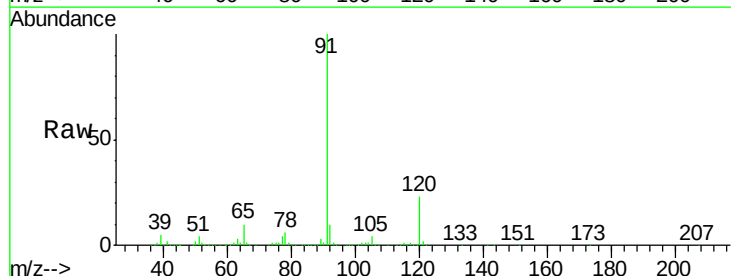
RT: 12.69 min Scan# 1796

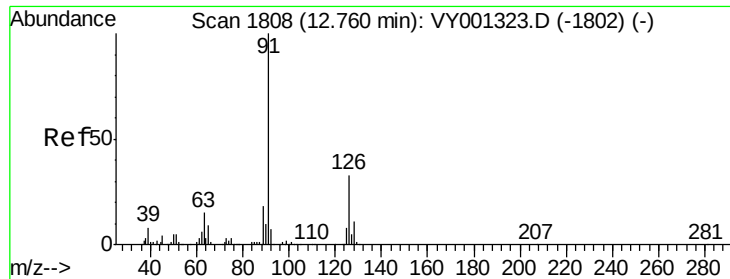
Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.3	33.8	





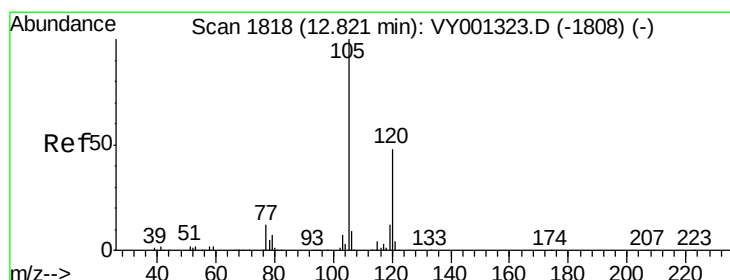
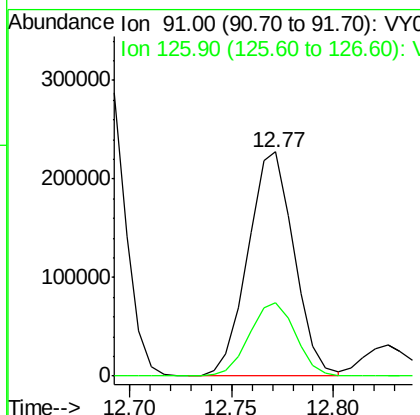
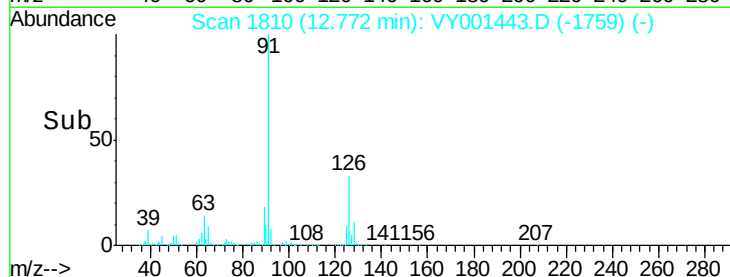
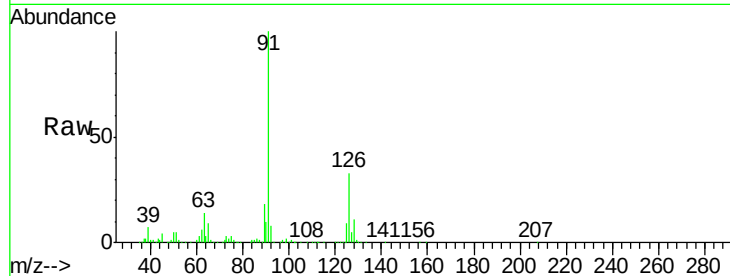
#79
 2-Chlorotoluene
 Concen: 49.665 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 357361
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.6 49.7

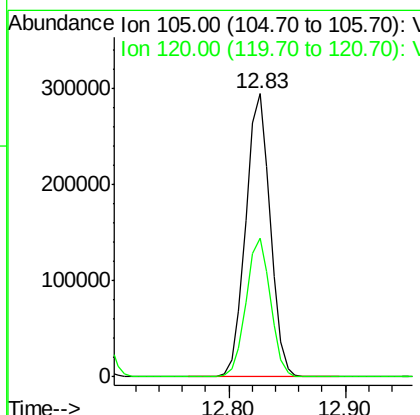
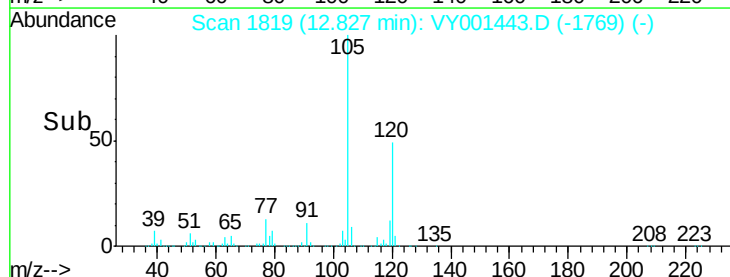
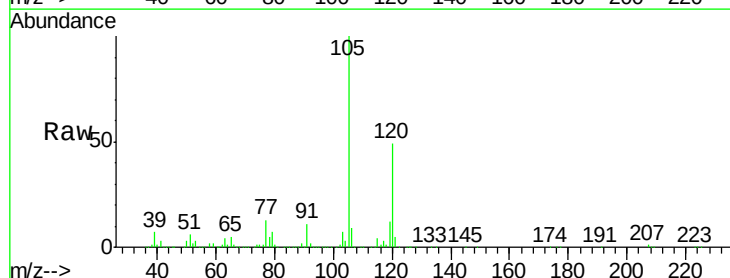
Manual Integrations
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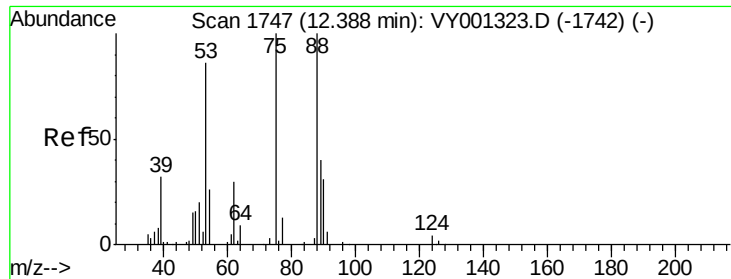
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.510 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion: 105 Resp: 432463
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 52.917 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

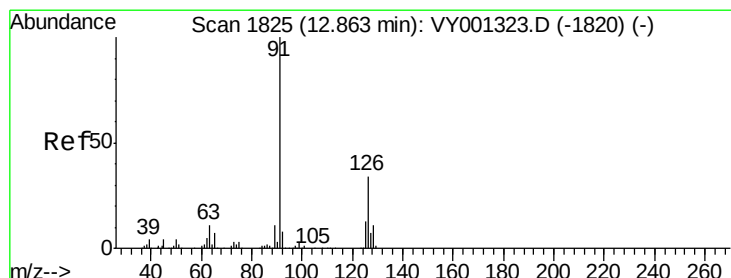
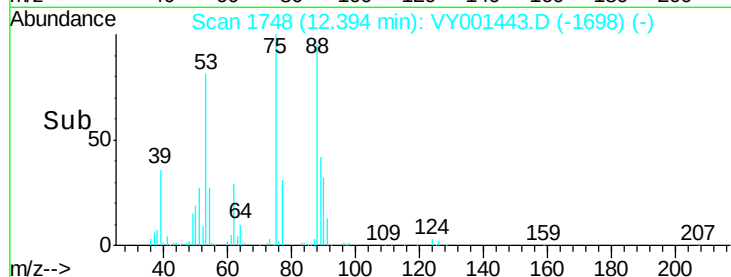
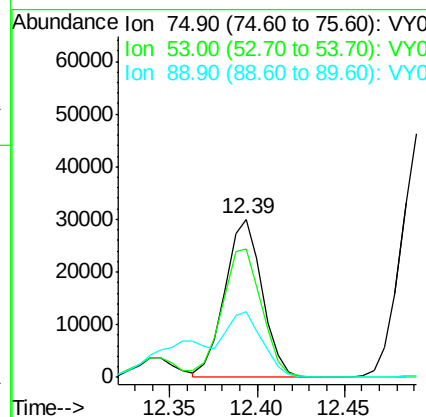
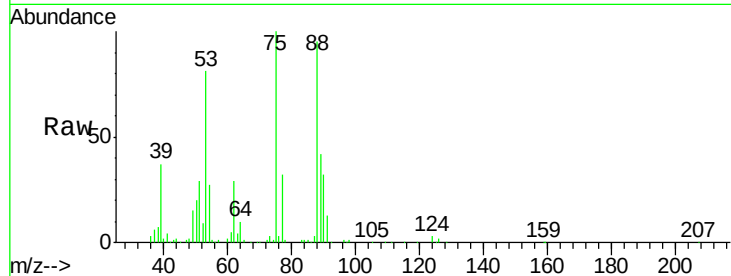
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	44685
Ion	Ratio	Lower	Upper
75	100		
53	84.5	69.9	104.9
89	40.2	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.475 ug/l

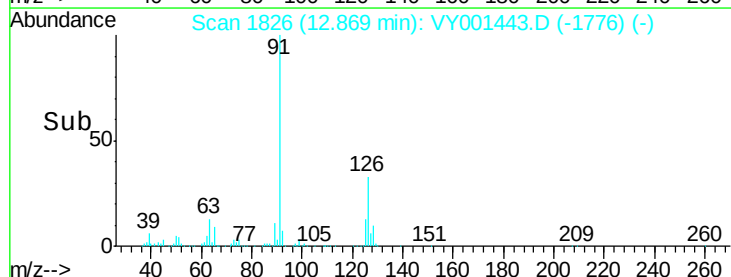
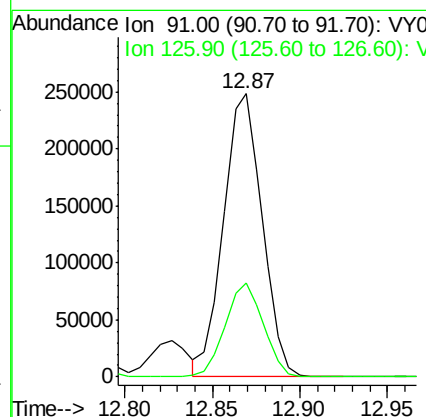
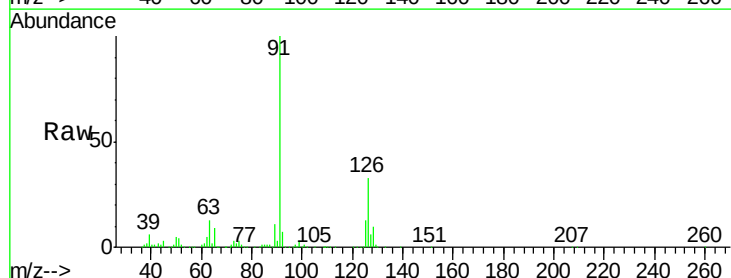
RT: 12.87 min Scan# 1826

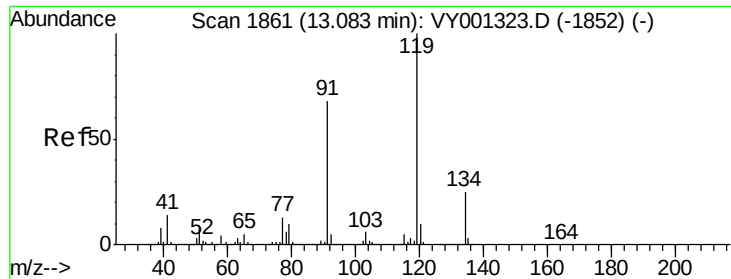
Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Tgt Ion:	91	Resp:	380264
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4





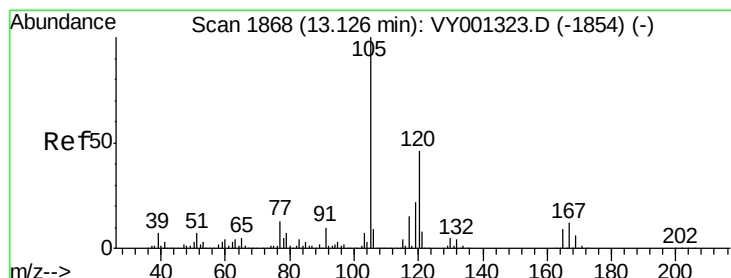
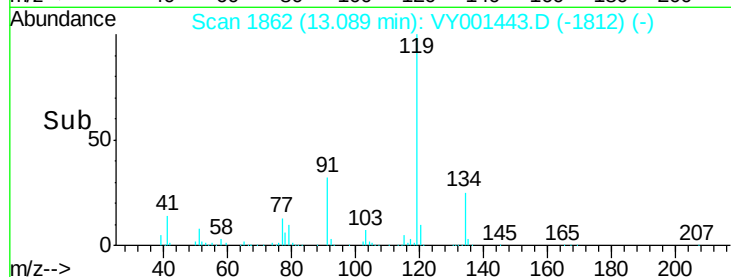
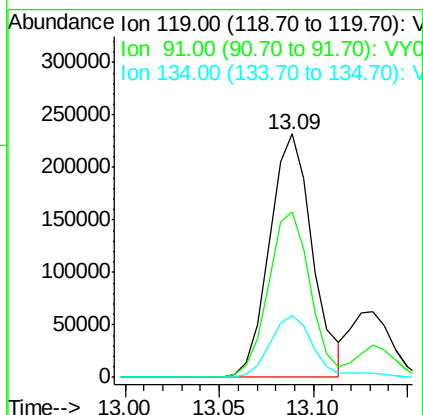
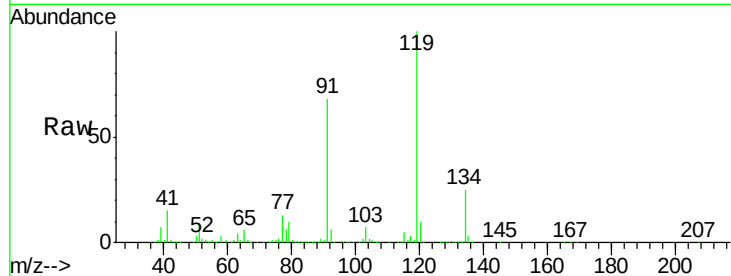
#83
tert-Butylbenzene
Concen: 49.643 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.0	99.0
134	26.3	13.3	39.9

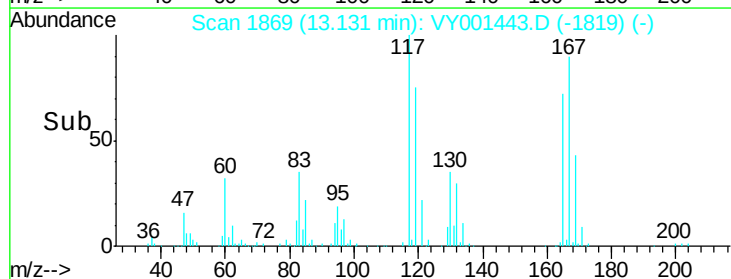
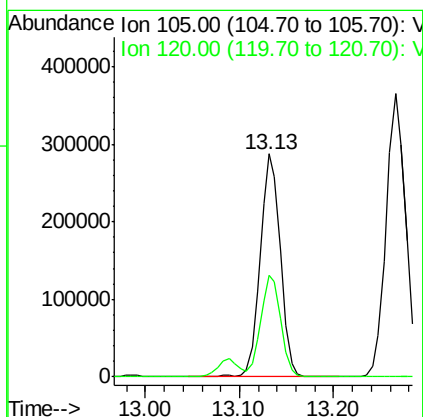
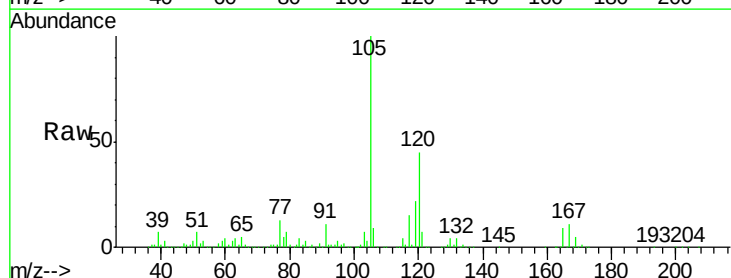
Manual Integrations
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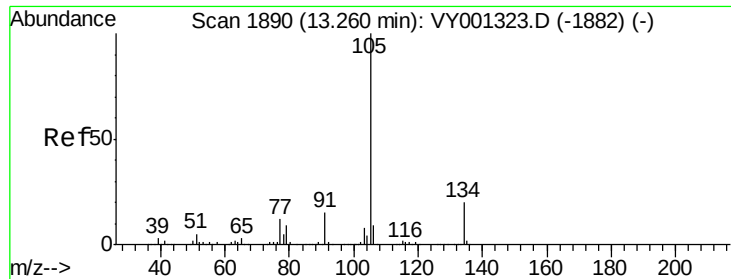
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#84
1,2,4-Trimethylbenzene
Concen: 49.483 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 50.353 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 526737

Ion Ratio Lower Upper

105 100

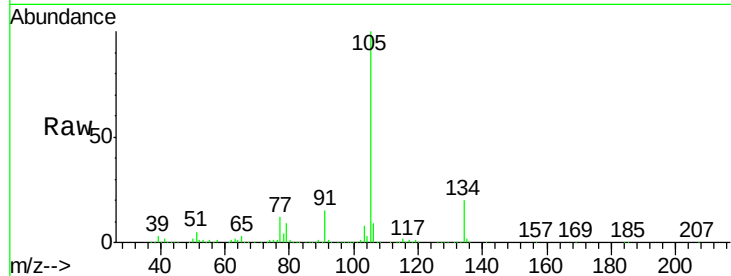
134 20.0 9.8 29.4

Manual Integrations

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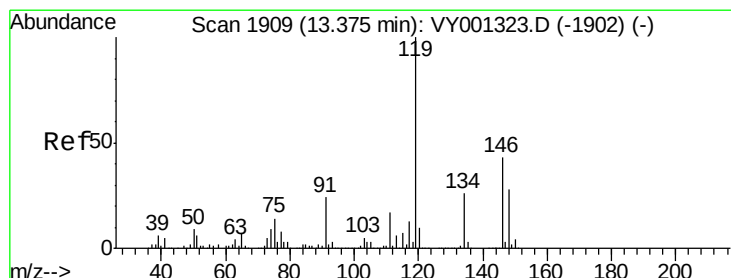
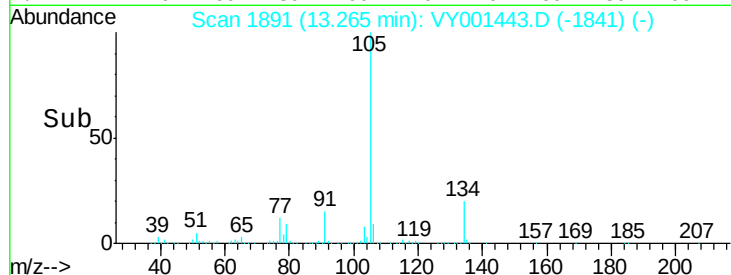
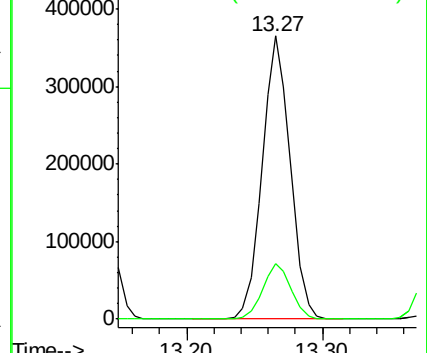
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.025 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001443.D

Acq: 30 Jan 2020 20:03

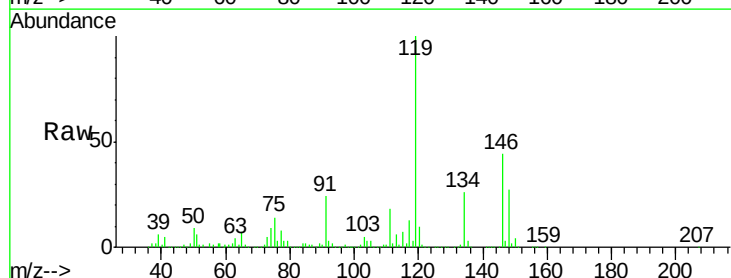
Tgt Ion:119 Resp: 461161

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

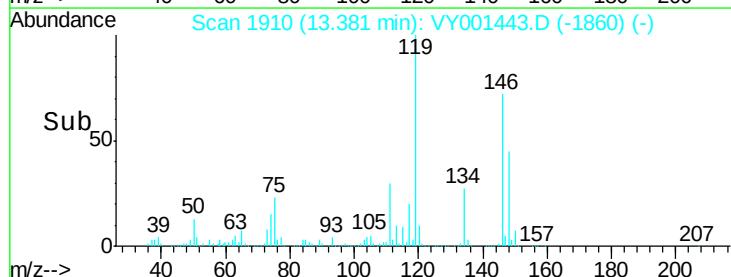
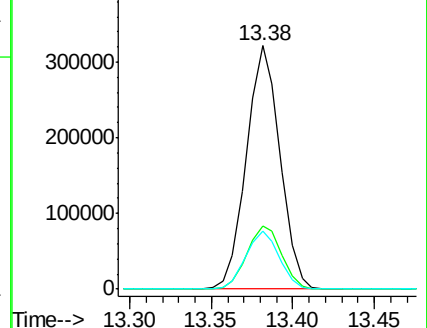
91 23.8 12.2 36.6

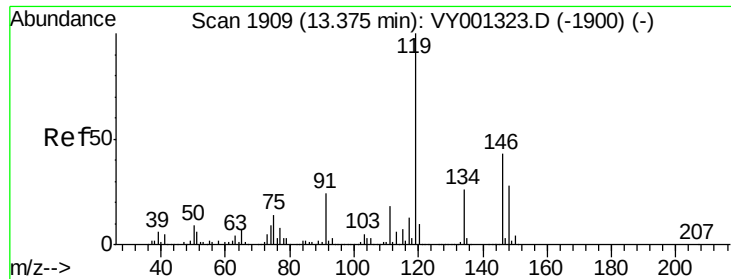


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





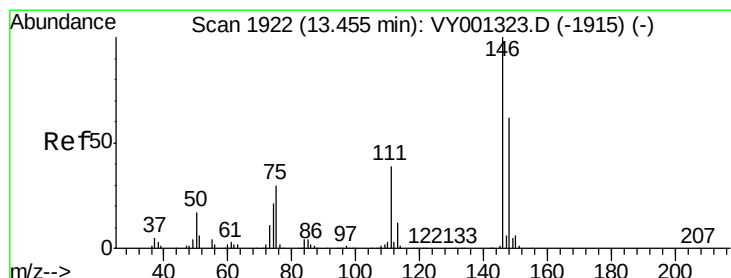
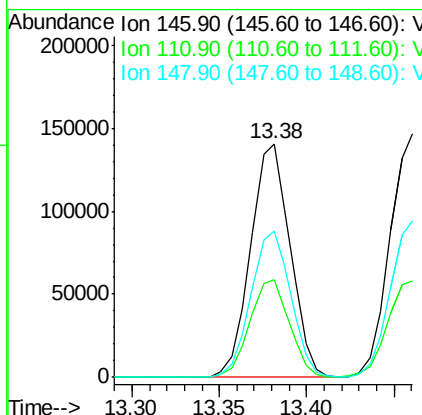
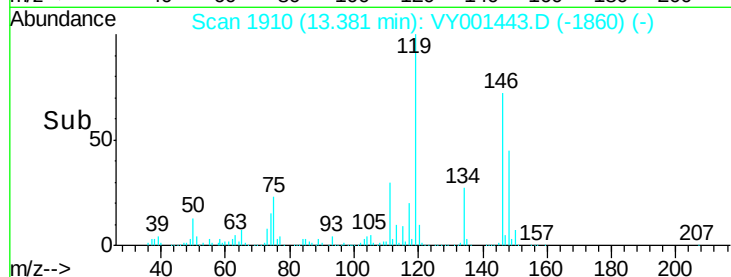
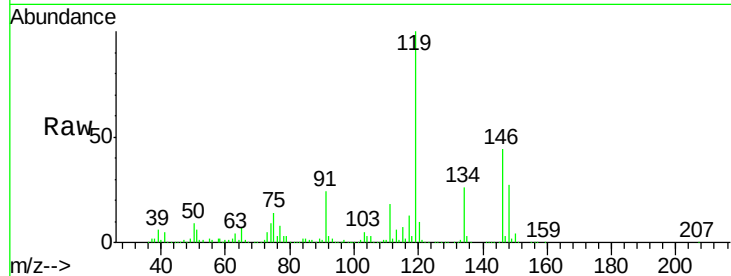
#87
 1,3-Dichlorobenzene
 Concen: 49.481 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	220871		
111	41.9	20.6	61.8	
148	63.0	31.6	95.0	

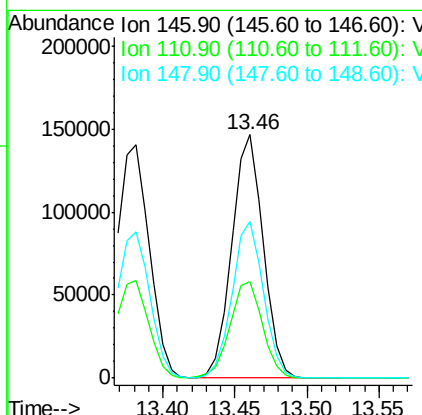
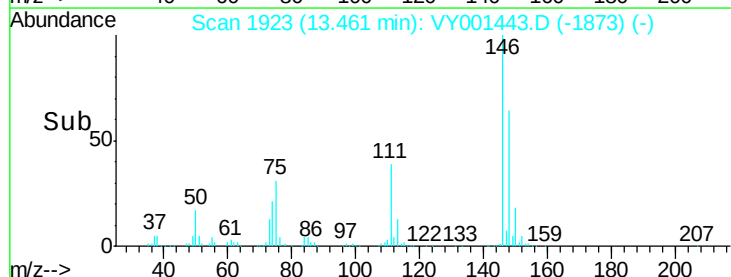
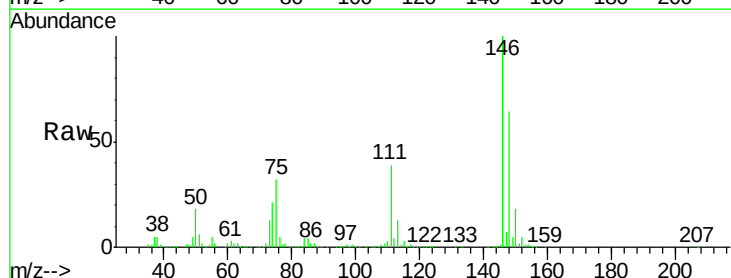
Manual Integrations
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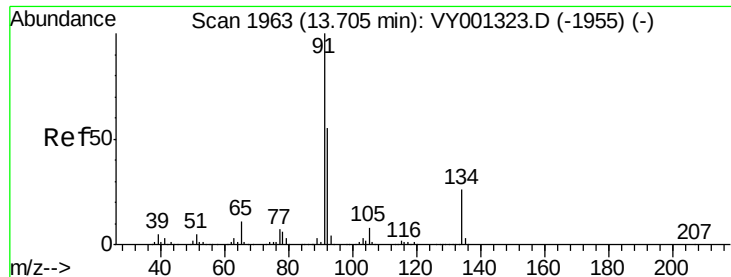
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#88
 1,4-Dichlorobenzene
 Concen: 49.211 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	223036		
111	41.4	20.5	61.5	
148	64.5	31.6	95.0	





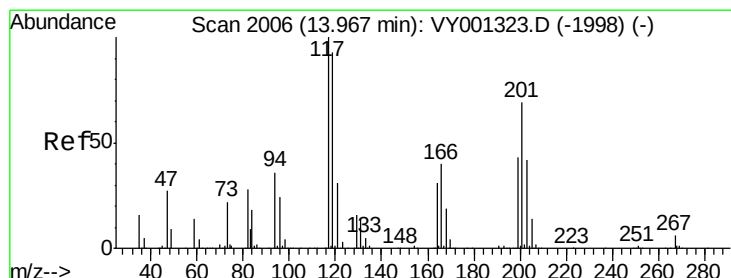
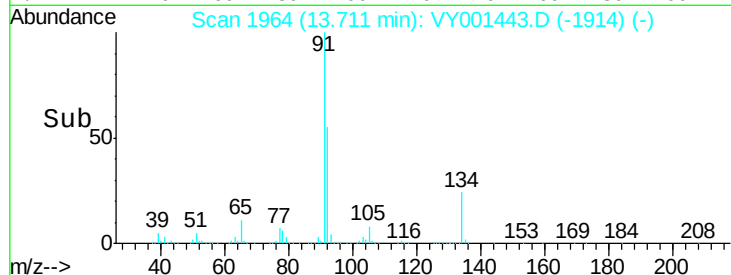
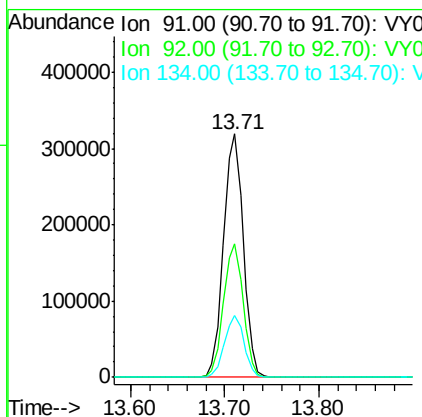
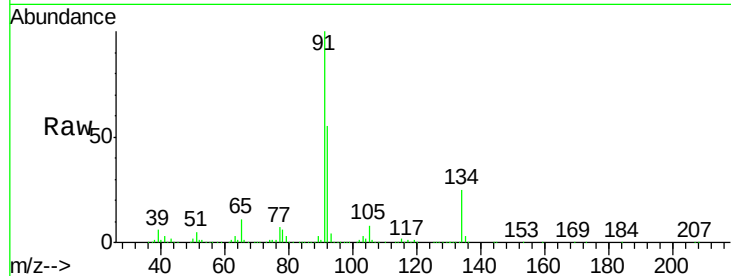
#89
n-Butylbenzene
Concen: 49.981 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	25.1	12.9	38.6

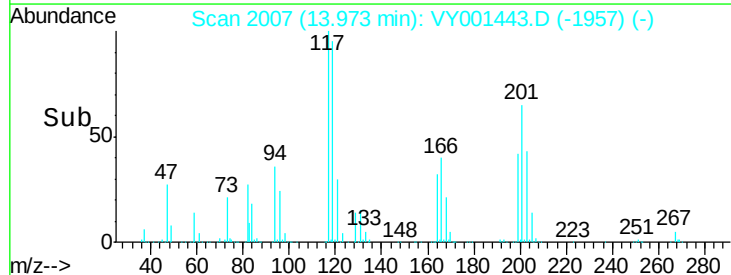
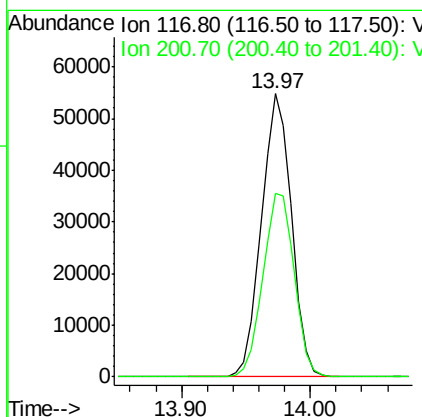
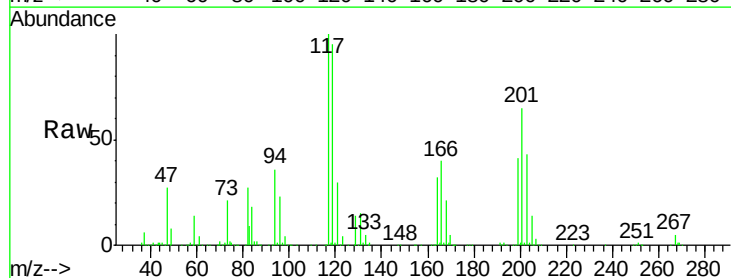
Manual Integrations
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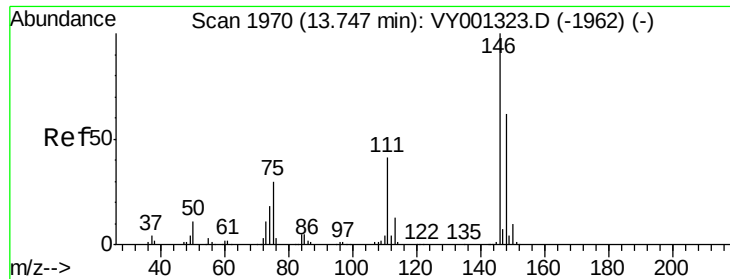
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#90
Hexachloroethane
Concen: 50.537 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.8	34.6	103.8





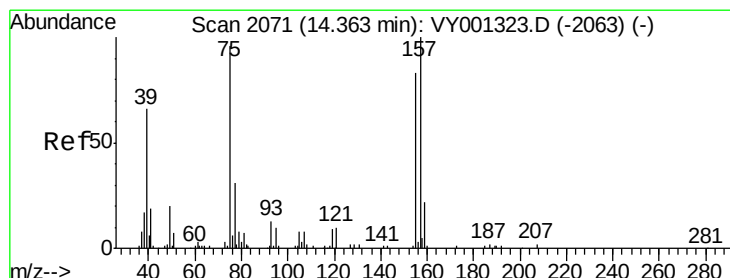
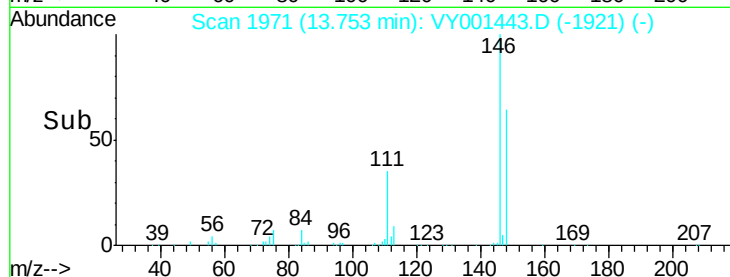
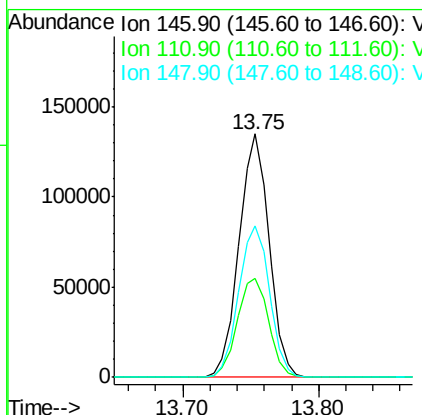
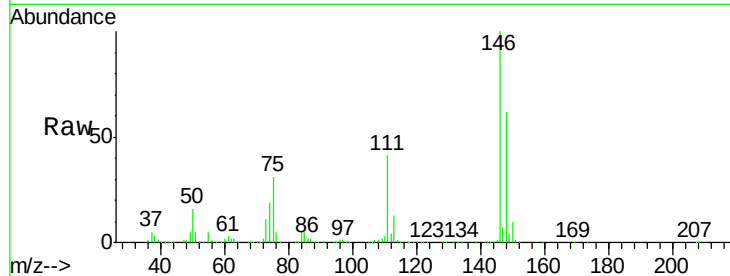
#91
 1,2-Dichlorobenzene
 Concen: 50.470 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	64.0	31.5	94.5

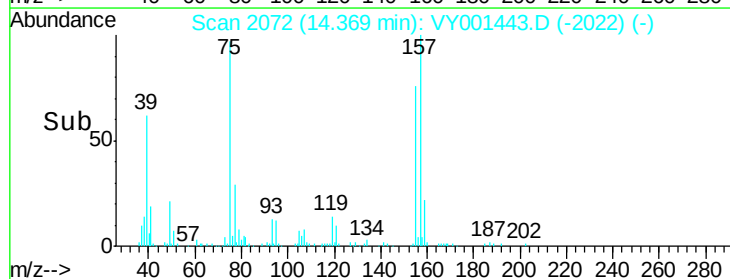
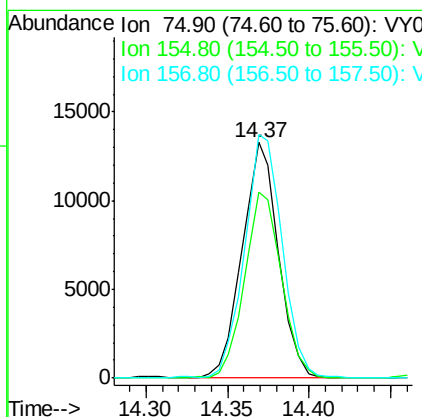
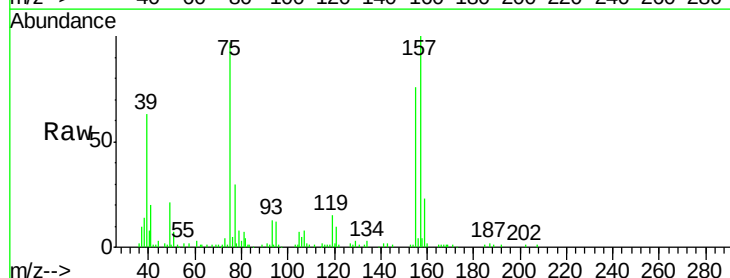
Manual Integrations
 APPROVED

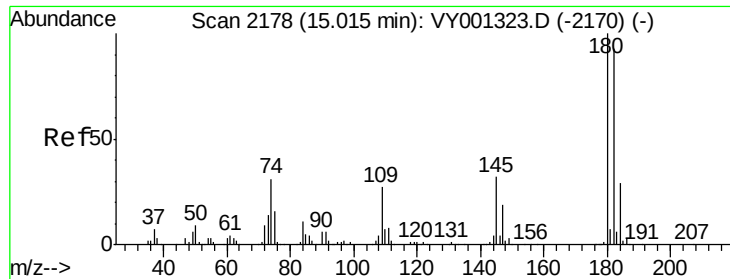
MMDadoda
 1/31/2020 4:26:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.111 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	43.0	129.2
157	107.6	53.3	160.0





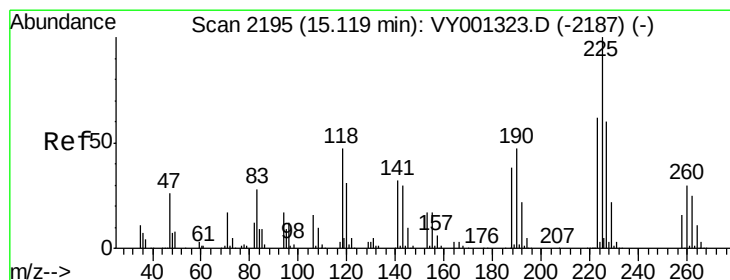
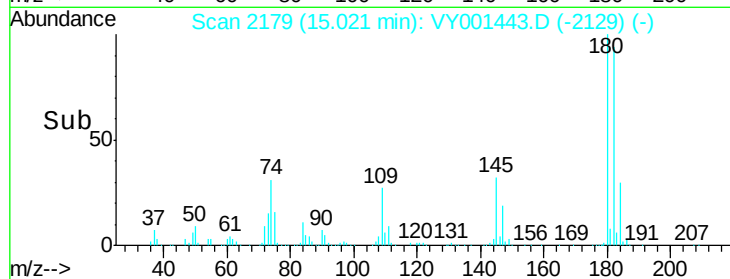
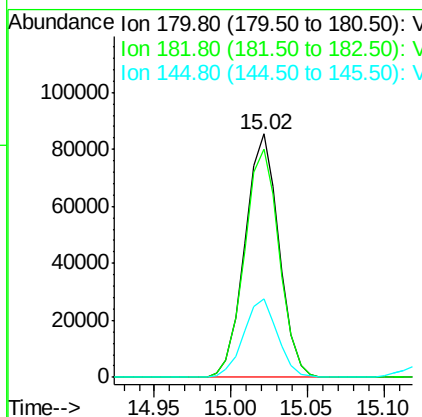
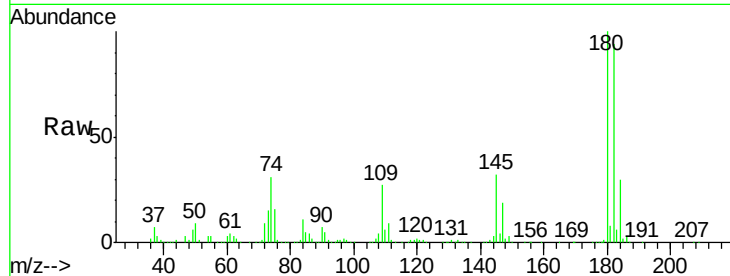
#93
 1,2,4-Trichlorobenzene
 Concen: 47.595 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	32.4	16.3	48.9

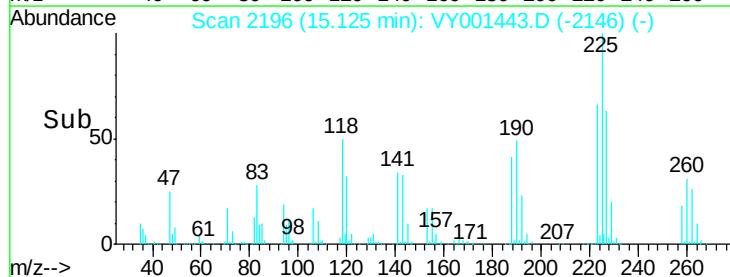
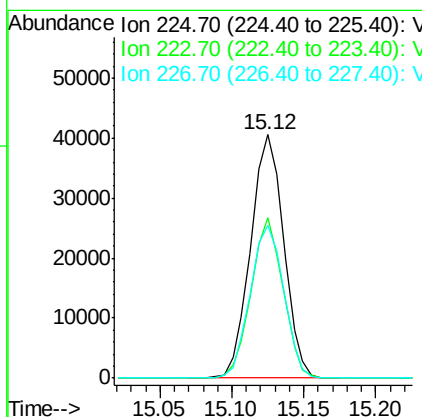
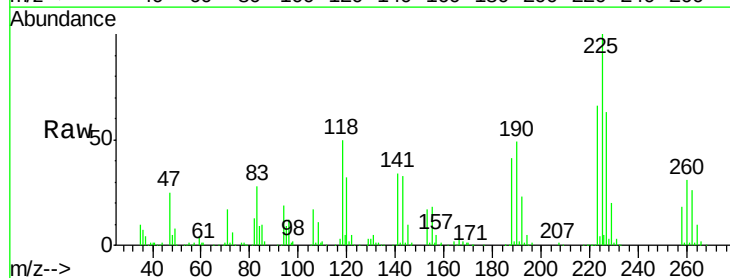
Manual Integrations
 APPROVED

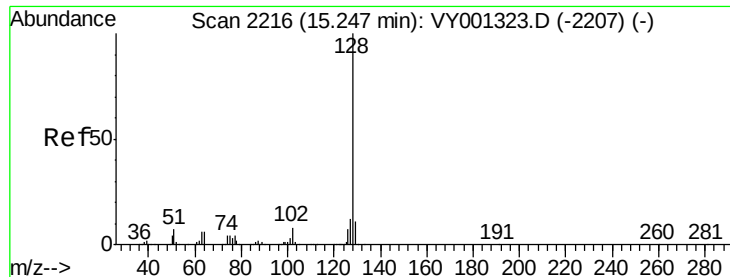
MMDadoda
 1/31/2020 4:26:04 PM



#94
 Hexachlorobutadiene
 Concen: 47.757 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001443.D
 Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.2	93.6
227	63.8	31.0	93.0





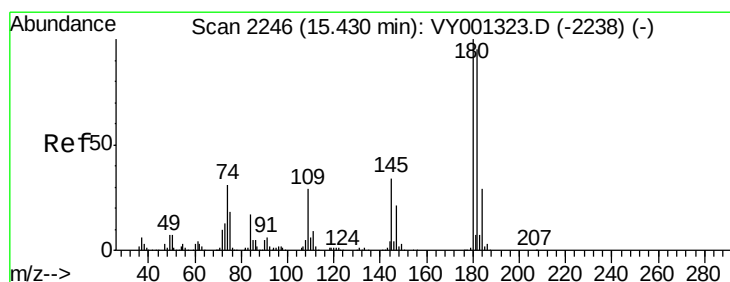
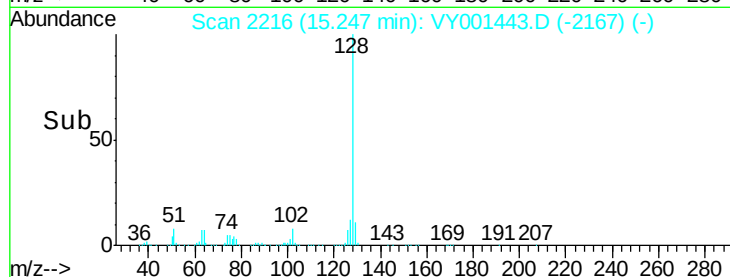
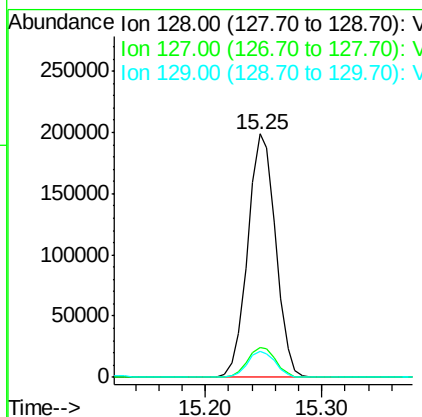
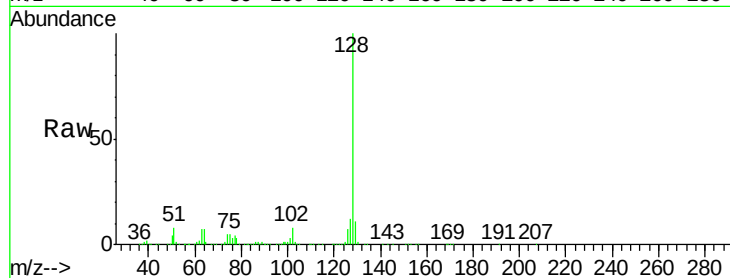
#95
Naphthalene
Concen: 52.609 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:26:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.436 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001443.D
Acq: 30 Jan 2020 20:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	33.9	16.8	50.3

