

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022420\
 Data File : VY001763.D
 Acq On : 24 Feb 2020 11:27
 Operator : SY/MD
 Sample : VY0224SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 10:53:55 AM

Quant Time: Feb 24 14:28:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	194815	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	352351	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	315854	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	146383	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	105200	50.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	7.73	113	96258	47.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	10.19	98	397806	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.48	95	142303	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	28347	14.927	ug/l	98
3) Chloromethane	2.12	50	43091	16.870	ug/l	97
4) Vinyl Chloride	2.26	62	40529	15.732	ug/l	95
5) Bromomethane	2.65	94	27480	17.067	ug/l	97
6) Chloroethane	2.80	64	26093	16.436	ug/l	100
7) Trichlorofluoromethane	3.13	101	55475	16.824	ug/l	99
8) Diethyl Ether	3.54	74	23048	17.731	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36269	17.500	ug/l	97
10) Methyl Iodide	4.10	142	37536	14.799	ug/l	98
11) Tert butyl alcohol	4.96	59	23892	81.330	ug/l	96
12) 1,1-Dichloroethene	3.88	96	36097	17.077	ug/l	92
13) Acrolein	3.74	56	20063	94.799	ug/l	99
14) Allyl chloride	4.49	41	65715	17.468	ug/l	99
15) Acrylonitrile	5.18	53	61000	91.554	ug/l	99
16) Acetone	3.96	43	55855	77.034	ug/l	97
17) Carbon Disulfide	4.21	76	114276	16.193	ug/l	99
18) Methyl Acetate	4.49	43	30546	19.345	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	103445	17.577	ug/l	99
20) Methylene Chloride	4.73	84	44950	17.453	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	40438	16.768	ug/l	97
22) Diisopropyl ether	6.13	45	136366	17.651	ug/l	95
23) Vinyl Acetate	6.08	43	440863	87.485	ug/l	99
24) 1,1-Dichloroethane	6.03	63	72443	17.544	ug/l	99
25) 2-Butanone	7.00	43	83454	84.726	ug/l	100
26) 2,2-Dichloropropane	7.00	77	62128	17.294	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	45219	16.987	ug/l	97
28) Bromochloromethane	7.35	49	35375	20.566	ug/l	97
29) Tetrahydrofuran	7.36	42	52765	88.629	ug/l	100
30) Chloroform	7.52	83	69892	17.323	ug/l	94
31) Cyclohexane	7.79	56	75072	17.052	ug/l #	96
32) 1,1,1-Trichloroethane	7.71	97	58843	17.353	ug/l	99
36) 1,1-Dichloropropene	7.92	75	57002	16.936	ug/l	100
37) Ethyl Acetate	7.08	43	35270	17.558	ug/l	99
38) Carbon Tetrachloride	7.91	117	49688	16.808	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	75182	16.838	ug/l	97
40) Benzene	8.17	78	170655	17.240	ug/l	98
41) Methacrylonitrile	7.32	41	15001m	14.873	ug/l	
42) 1,2-Dichloroethane	8.25	62	45889	17.017	ug/l	99
43) Isopropyl Acetate	8.28	43	66754	17.514	ug/l	99
44) Trichloroethene	8.94	130	42334	17.132	ug/l	97
45) 1,2-Dichloropropane	9.22	63	43806	17.671	ug/l	97
46) Dibromomethane	9.31	93	22239	17.152	ug/l	98
47) Bromodichloromethane	9.50	83	52669	16.831	ug/l	98
48) Methyl methacrylate	9.30	41	30038	17.426	ug/l	99
49) 1,4-Dioxane	9.31	88	6224	339.865	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	172052	87.860	ug/l	99
52) Toluene	10.25	92	105242	17.045	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	58439	16.892	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	67540	16.963	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	33605	17.577	ug/l	98
56) Ethyl methacrylate	10.52	69	49503	17.259	ug/l	99
57) 1,3-Dichloropropane	10.80	76	59442	17.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	149399	129.272	ug/l	100
59) 2-Hexanone	10.84	43	122200	83.168	ug/l	100
60) Dibromochloromethane	10.99	129	35204	16.701	ug/l	98
61) 1,2-Dibromoethane	11.09	107	31028	17.164	ug/l	98
64) Tetrachloroethene	10.72	164	33482	16.886	ug/l	96
65) Chlorobenzene	11.52	112	109223	17.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	36391	17.107	ug/l	98
67) Ethyl Benzene	11.59	91	202538	17.307	ug/l	99
68) m/p-Xylenes	11.70	106	149470	34.193	ug/l	100
69) o-Xylene	12.03	106	70692	17.010	ug/l	100
70) Styrene	12.05	104	124397	17.223	ug/l	99
71) Bromoform	12.22	173	19836	16.317	ug/l #	97
73) Isopropylbenzene	12.33	105	191539	17.176	ug/l	100
74) N-amyl acetate	12.15	43	60936	17.122	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	42031	17.652	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	28412m	16.920	ug/l	
77) Bromobenzene	12.61	156	41475	17.156	ug/l	98
78) n-propylbenzene	12.67	91	239256	17.616	ug/l	100
79) 2-Chlorotoluene	12.76	91	131038	17.202	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	160104	17.344	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14598	16.493	ug/l	93
82) 4-Chlorotoluene	12.86	91	137909	17.165	ug/l	99
83) tert-Butylbenzene	13.08	119	131247	16.999	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	158916	17.268	ug/l	99
85) sec-Butylbenzene	13.26	105	198057	17.442	ug/l	100
86) p-Isopropyltoluene	13.38	119	173681	17.607	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	82144	17.520	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	83720	17.665	ug/l	99
89) n-Butylbenzene	13.70	91	177764	17.636	ug/l	98
90) Hexachloroethane	13.97	117	31797	17.108	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	76023	17.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6914	17.594	ug/l	97

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ClientSampleId :
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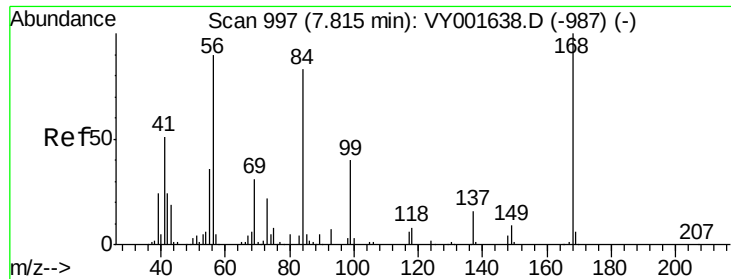
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48992	17.087	ug/l	99
94) Hexachlorobutadiene	15.12	225	23525	16.498	ug/l	97
95) Naphthalene	15.24	128	116073	17.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	43642	17.301	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:168 Resp: 194815

Ion Ratio Lower Upper

168 100

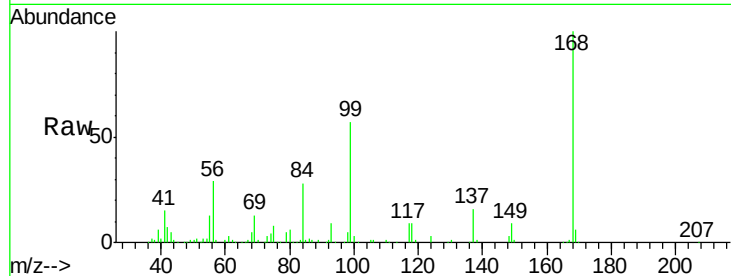
99 57.0 47.5 71.3

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

80000

60000

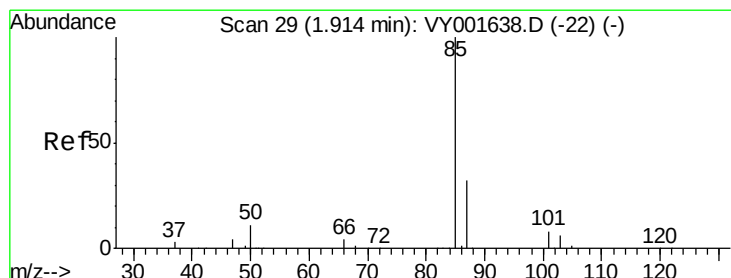
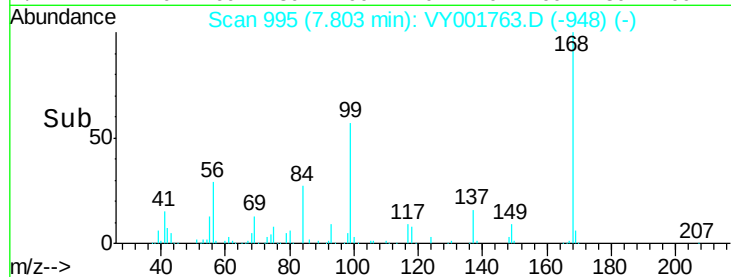
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 14.927 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001763.D

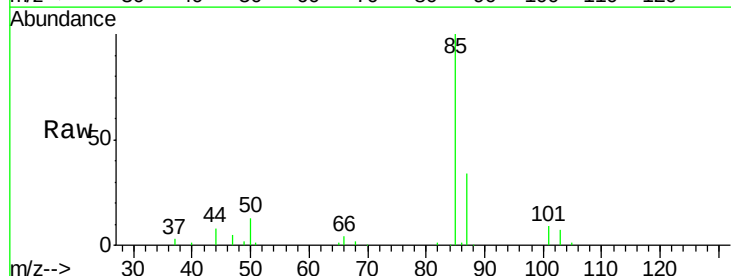
Acq: 24 Feb 2020 11:27

Tgt Ion: 85 Resp: 28347

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

20000

15000

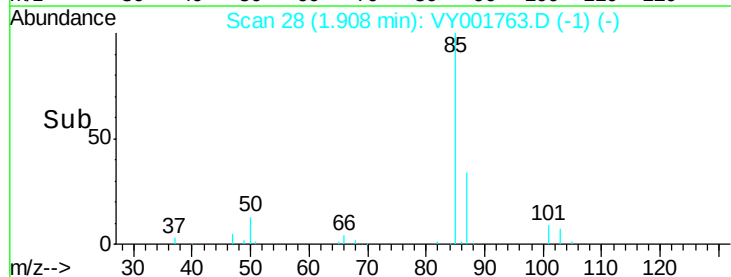
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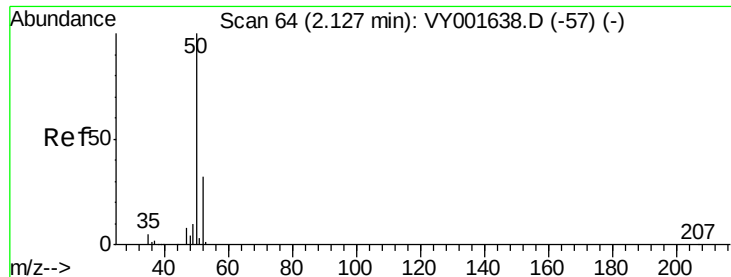
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 16.870 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 50 Resp: 43091

Ion Ratio Lower Upper

50 100

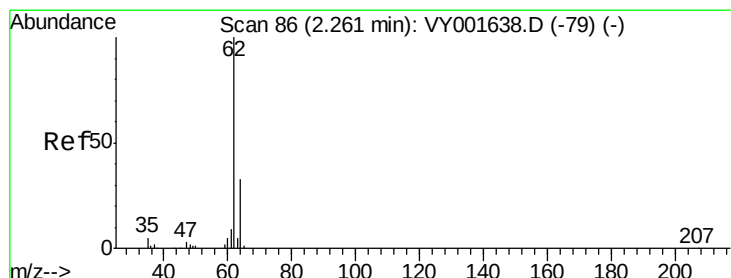
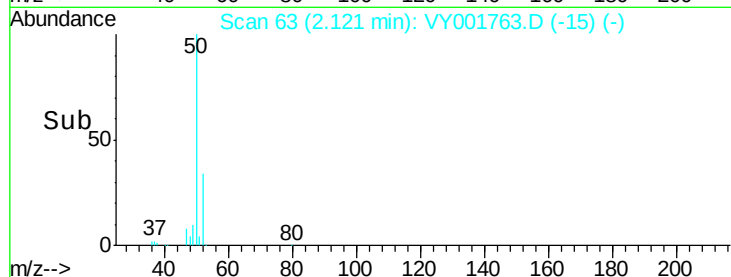
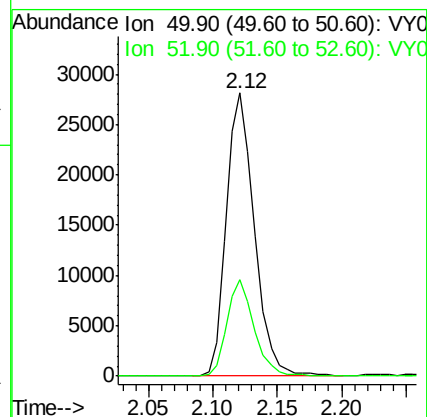
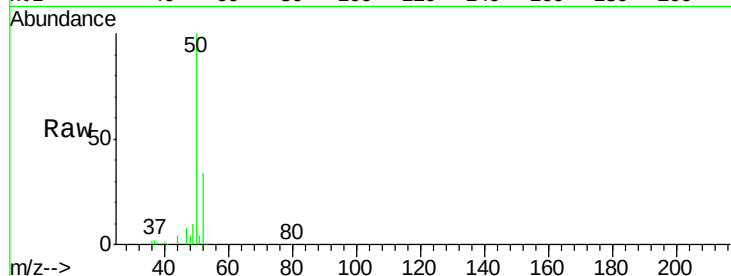
52 34.0 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.732 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001763.D

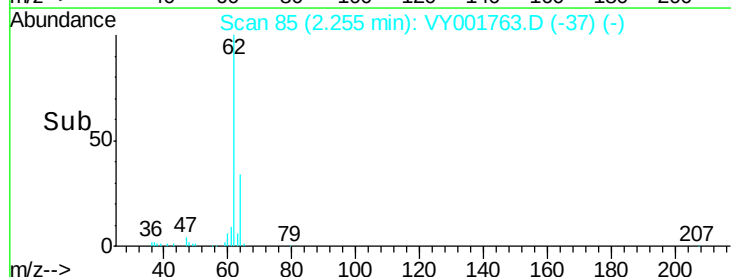
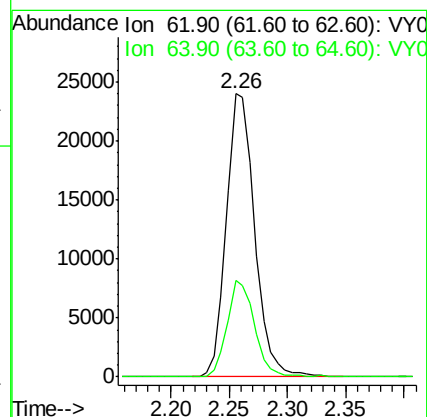
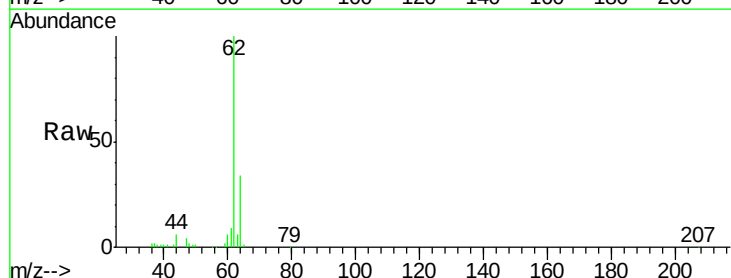
Acq: 24 Feb 2020 11:27

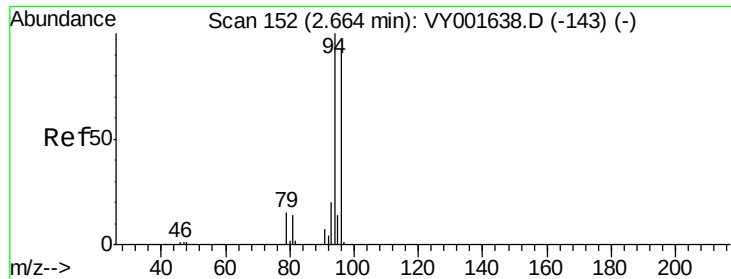
Tgt Ion: 62 Resp: 40529

Ion Ratio Lower Upper

62 100

64 34.1 24.9 37.3





#5

Bromomethane

Concen: 17.067 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 94 Resp: 27480

Ion Ratio Lower Upper

94 100

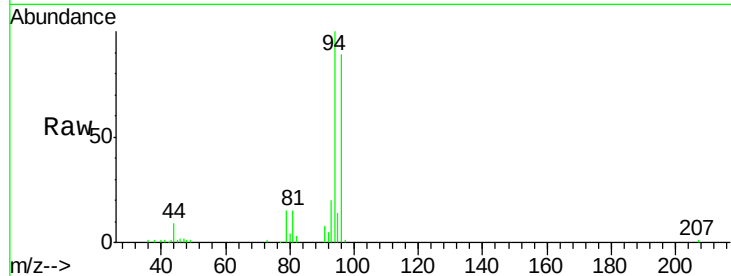
96 89.1 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

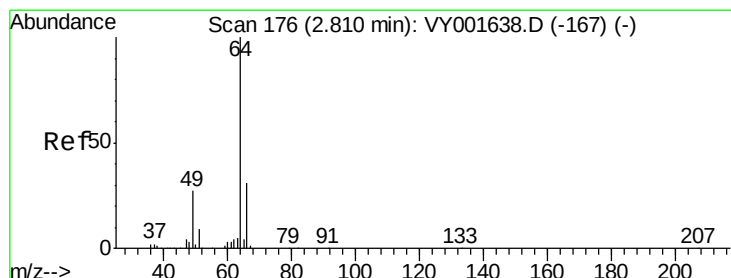
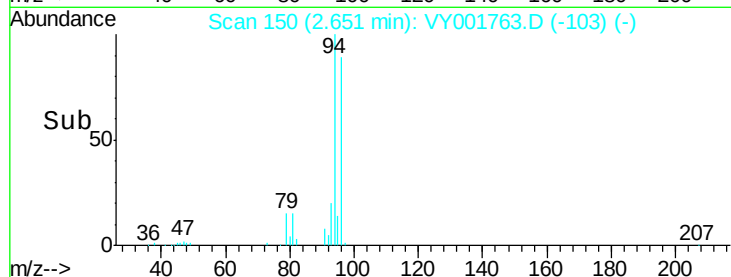
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 16.436 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001763.D

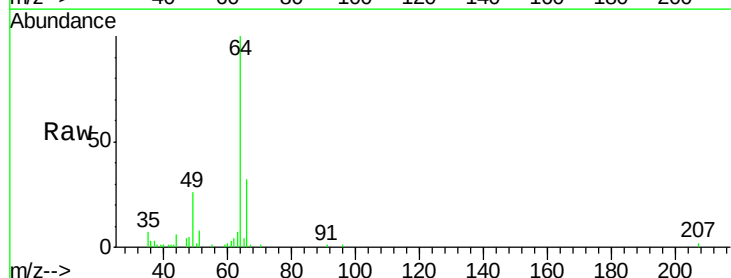
Acq: 24 Feb 2020 11:27

Tgt Ion: 64 Resp: 26093

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

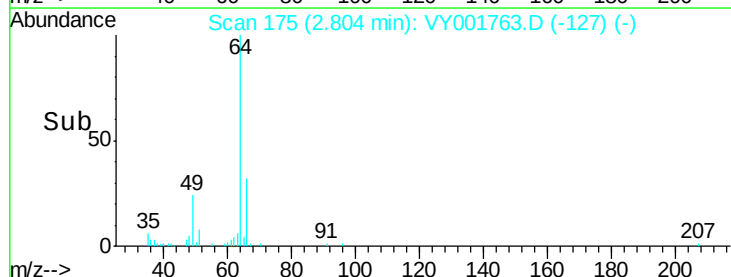
Ion 65.90 (65.60 to 66.60): VY0

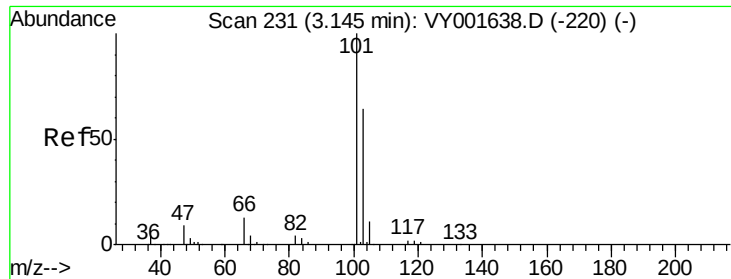
10000

5000

0

Time-->





#7

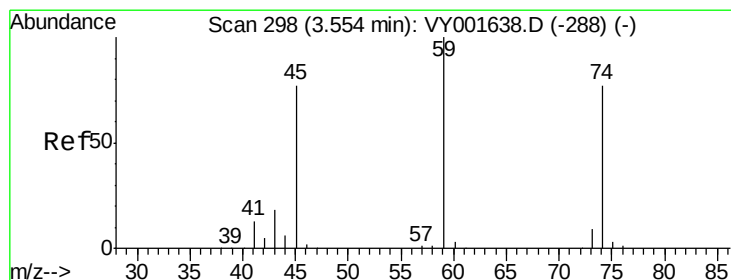
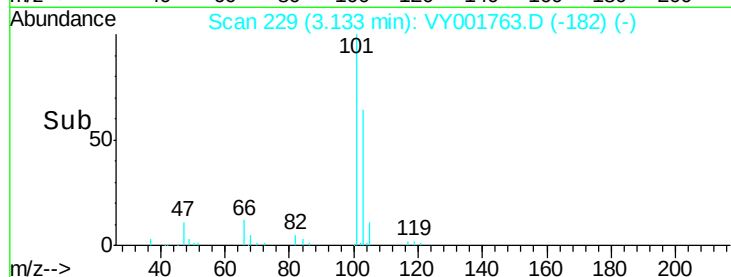
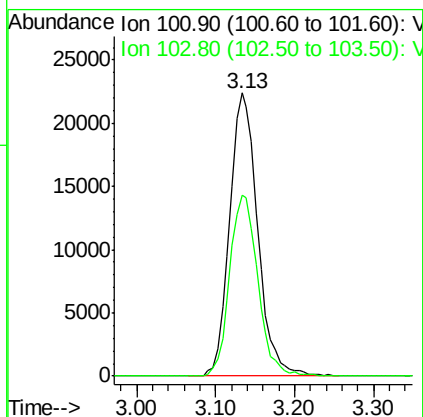
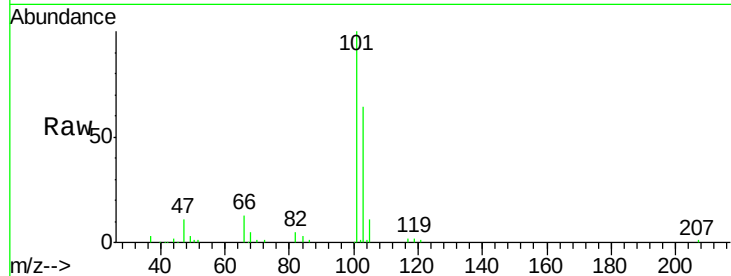
Trichlorofluoromethane
Concen: 16.824 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

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ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

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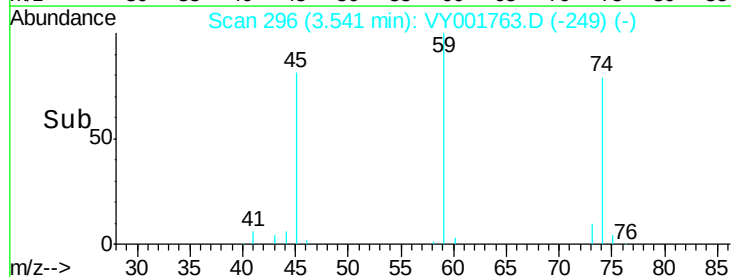
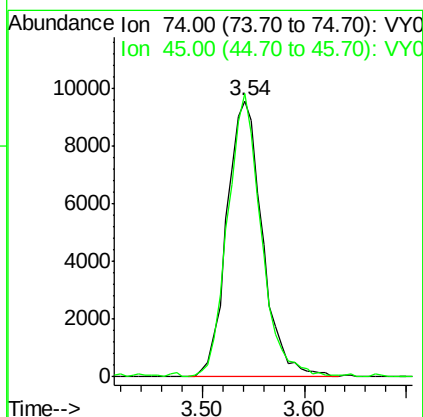
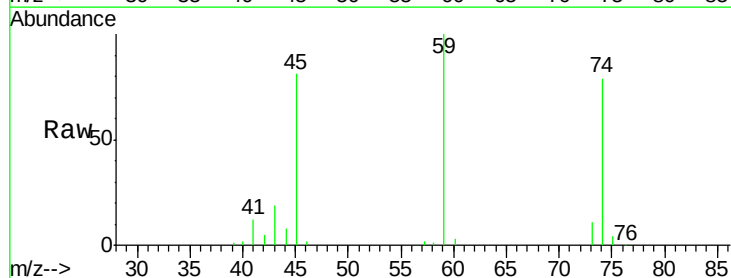
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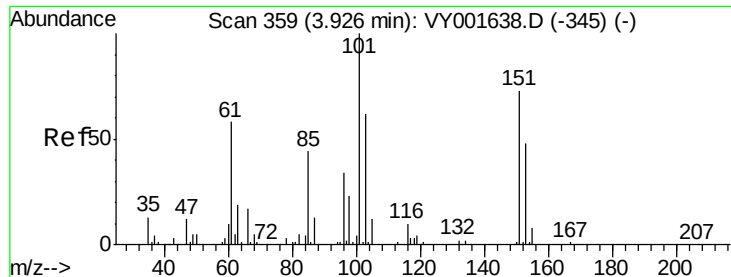


#8

Diethyl Ether
Concen: 17.731 ug/l
RT: 3.54 min Scan# 296
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.500 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

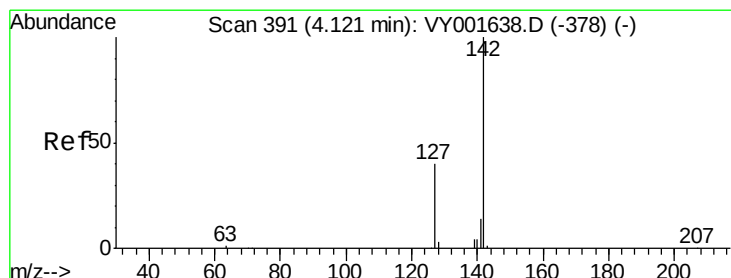
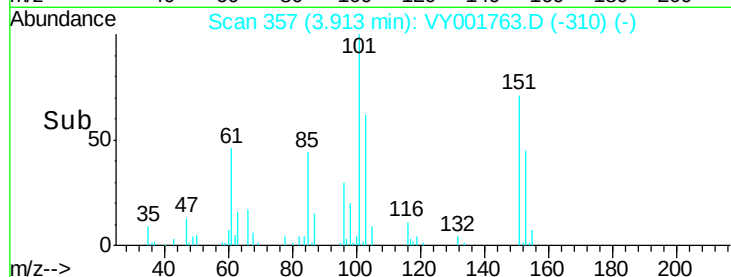
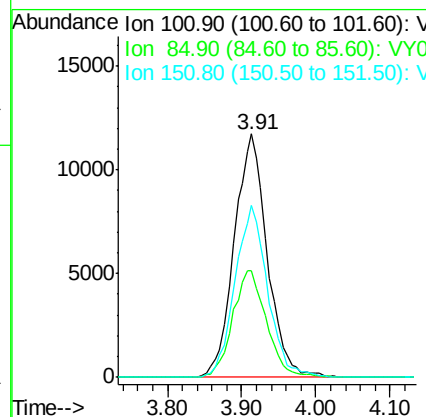
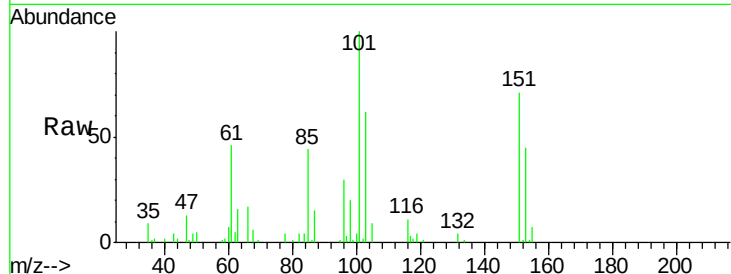
ClientSampleId :

VY0224SBS01

Tot Ion:	101	Resp:	36269
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.1	52.7
151	70.2	58.4	87.6

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#10

Methyl Iodide

Concen: 14.799 ug/l

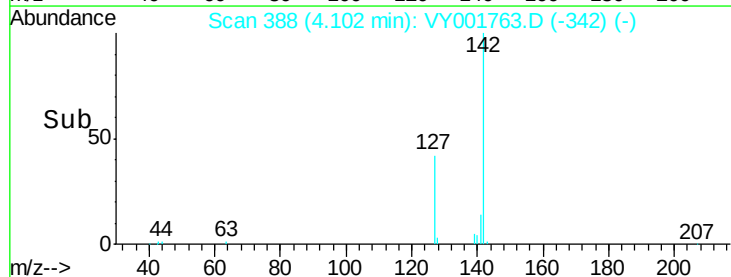
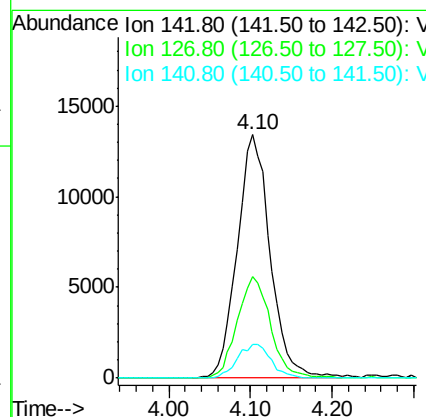
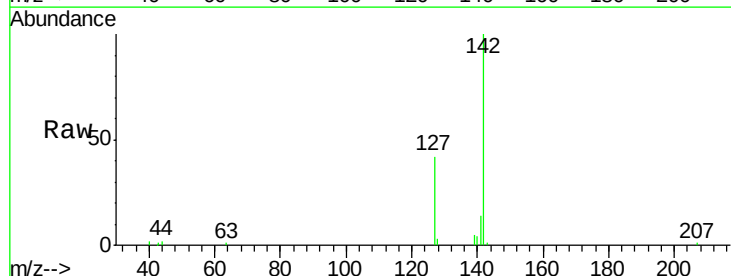
RT: 4.10 min Scan# 388

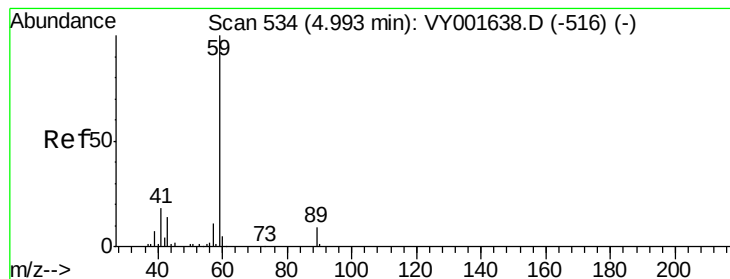
Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion:	142	Resp:	37536
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.1	48.1
141	14.2	11.3	16.9





#11

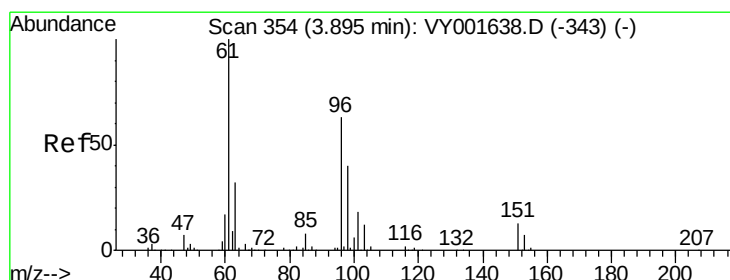
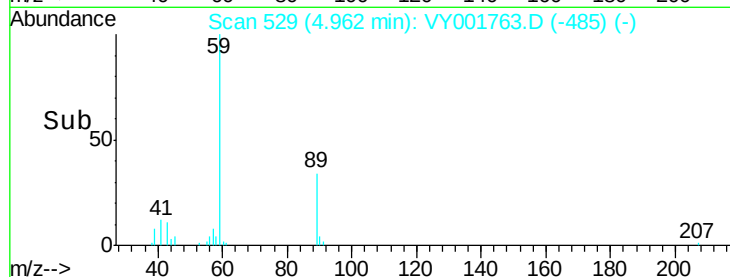
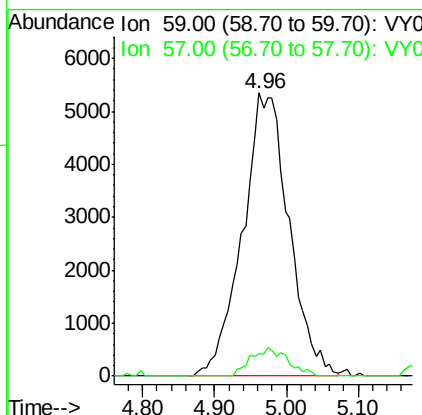
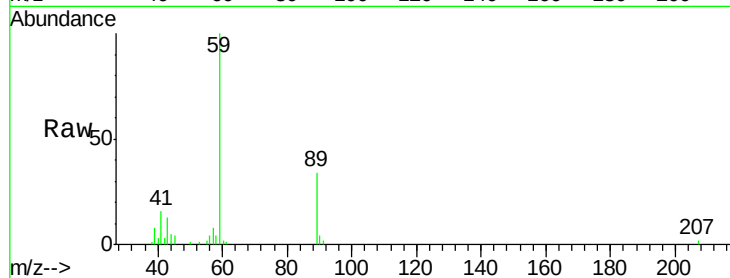
Tert butyl alcohol
Concen: 81.330 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.03 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.4	11.2

Manual Integrations
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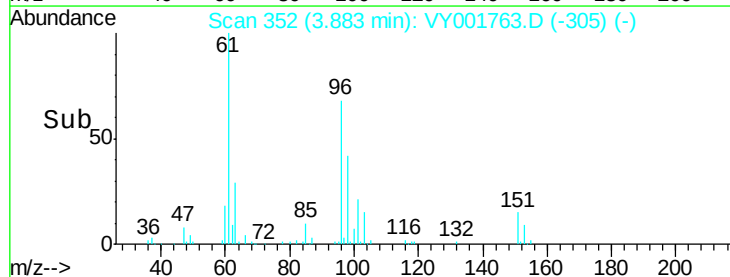
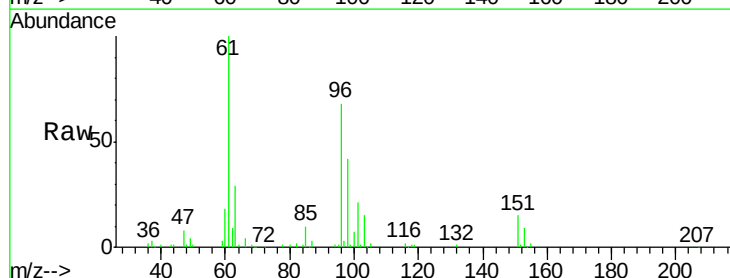
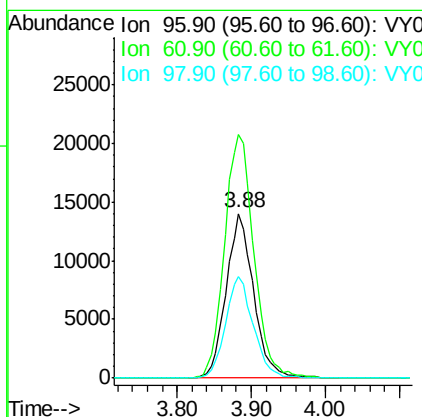
MMDadoda
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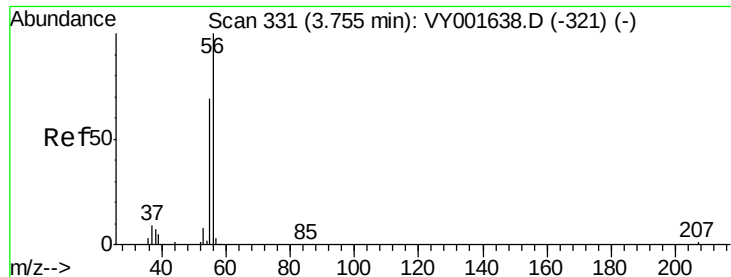


#12

1,1-Dichloroethene
Concen: 17.077 ug/l
RT: 3.88 min Scan# 352
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	128.7	193.1
98	61.9	50.7	76.1





#13

Acrolein

Concen: 94.799 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 56 Resp: 20063

Ion Ratio Lower Upper

56 100

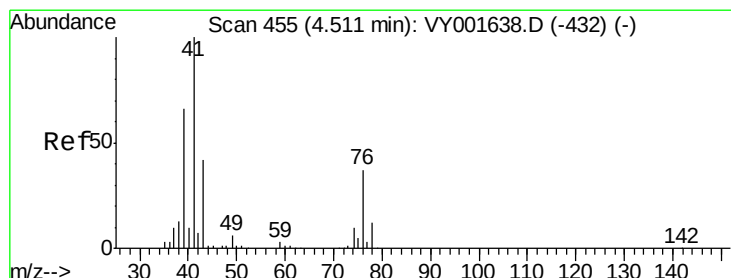
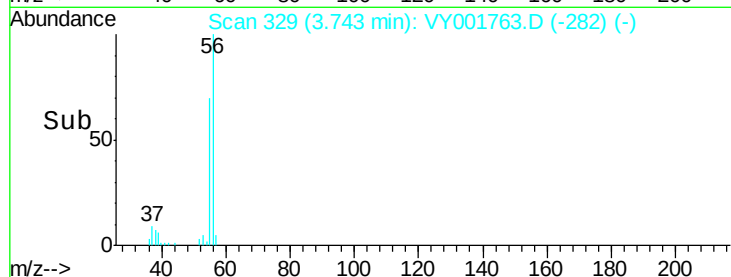
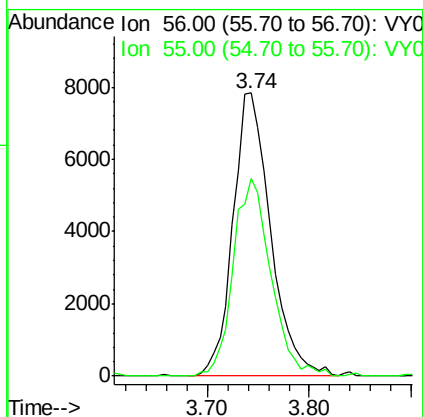
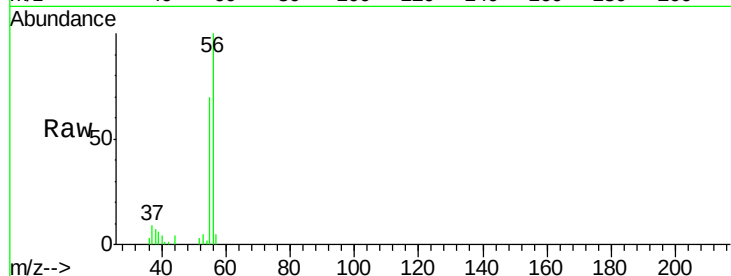
55 69.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.468 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

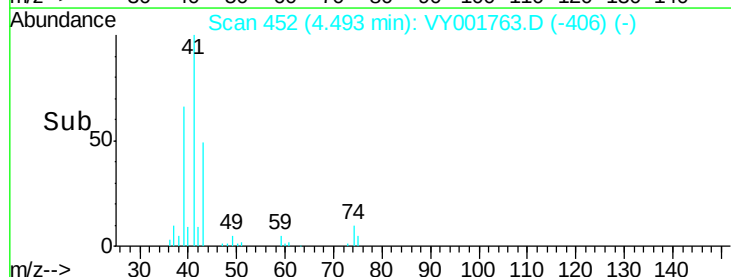
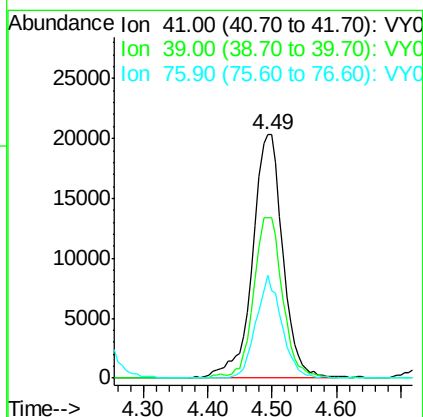
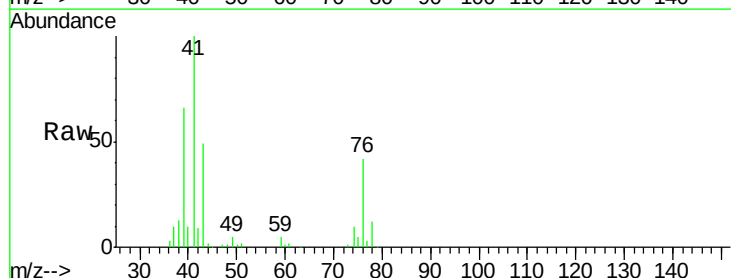
Tgt Ion: 41 Resp: 65715

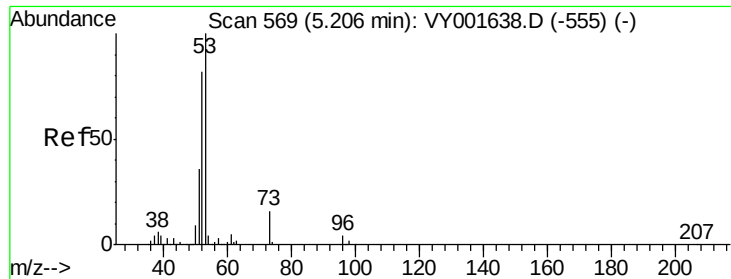
Ion Ratio Lower Upper

41 100

39 62.5 49.4 74.0

76 35.8 29.0 43.6





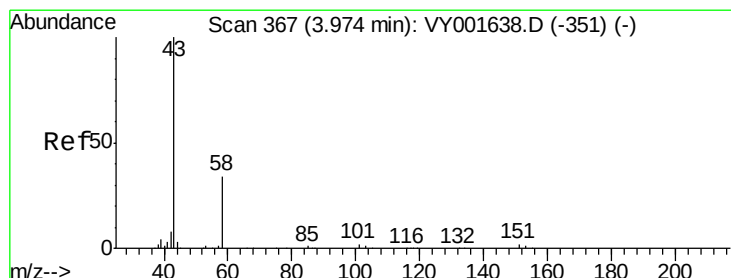
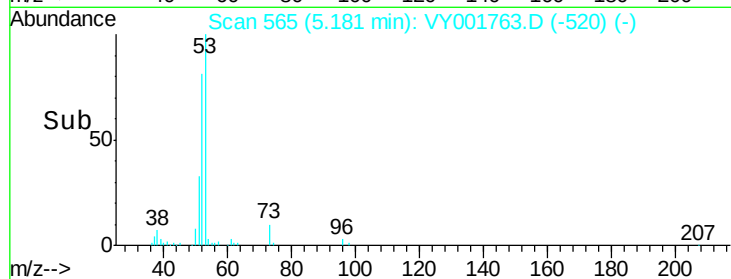
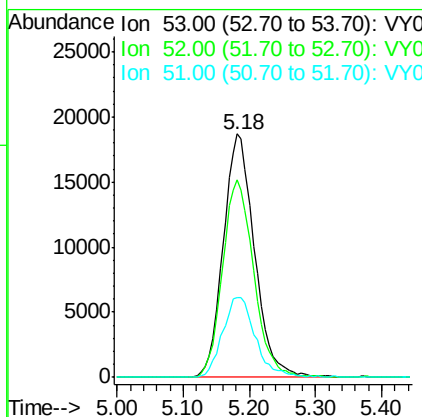
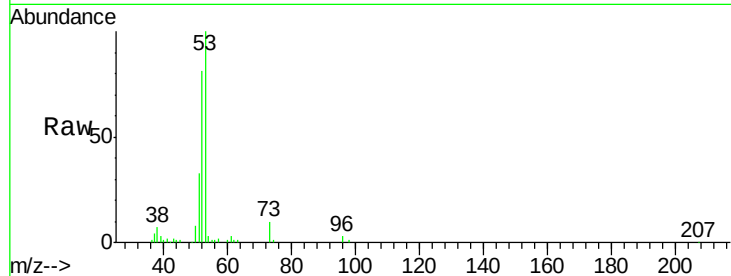
#15
 Acrylonitrile
 Concen: 91.554 ug/l
 RT: 5.18 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion:	53	Resp:	61000
Ion Ratio	Lower	Upper	
53	100		
52	80.9	65.4	98.0
51	34.6	28.0	42.0

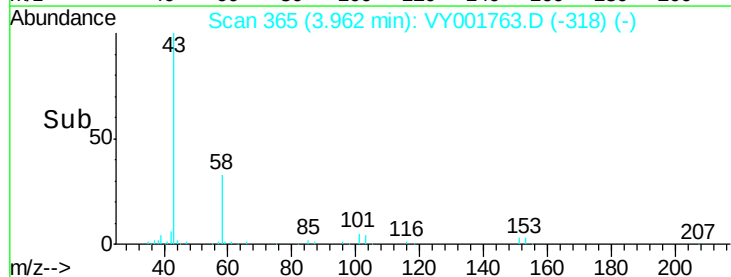
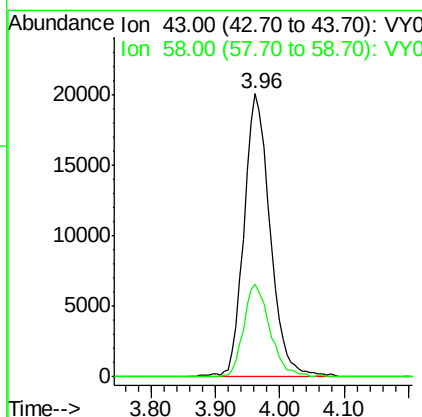
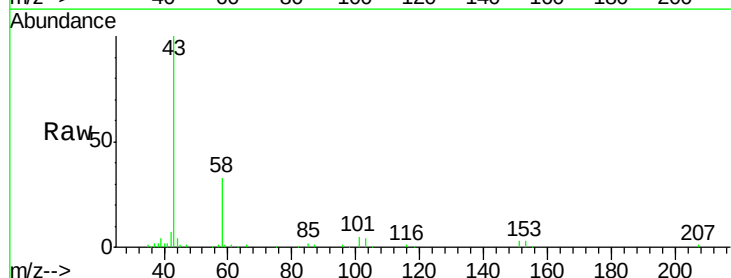
Manual Integrations
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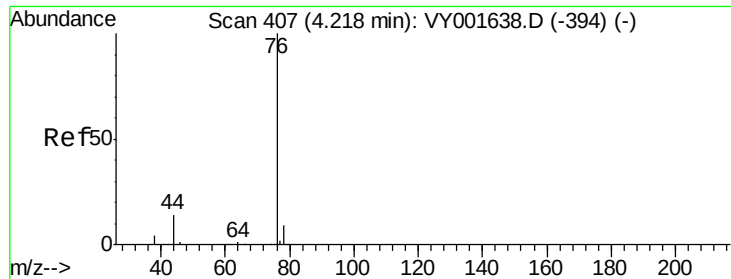
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#16
 Acetone
 Concen: 77.034 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion:	43	Resp:	55855
Ion Ratio	Lower	Upper	
43	100		
58	32.6	27.3	40.9





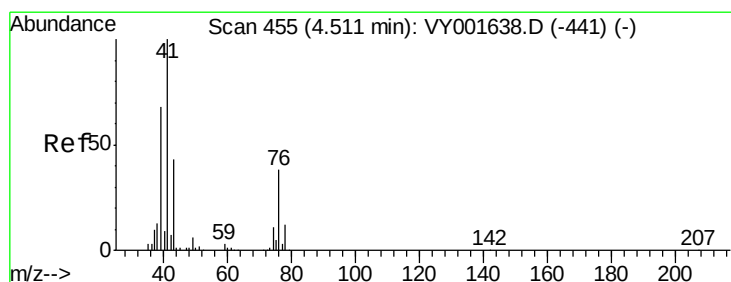
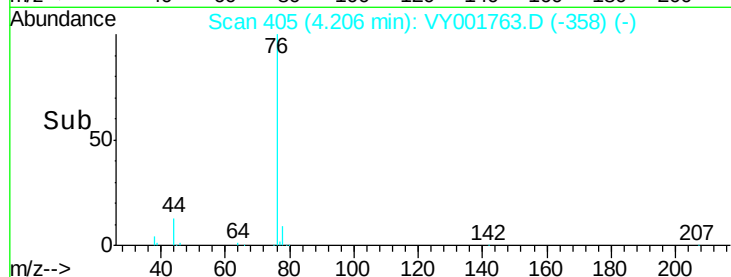
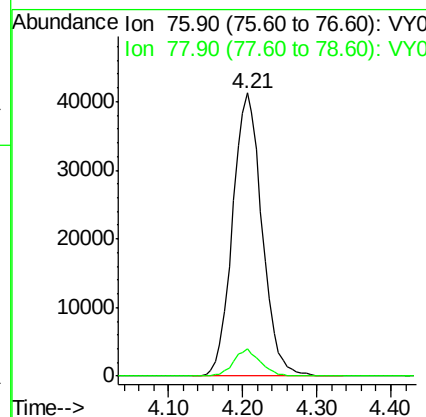
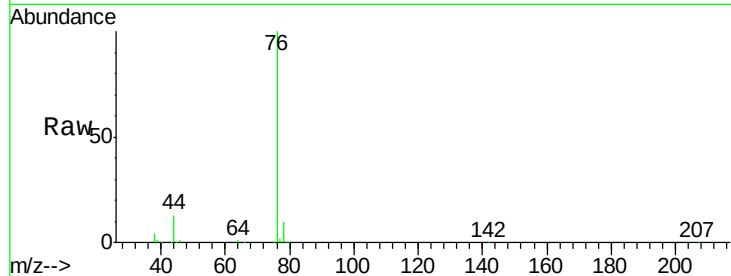
#17
Carbon Disulfide
Concen: 16.193 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

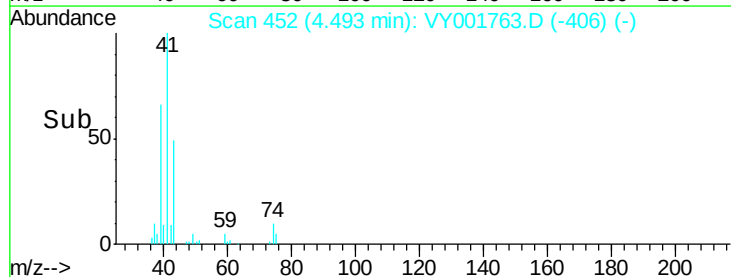
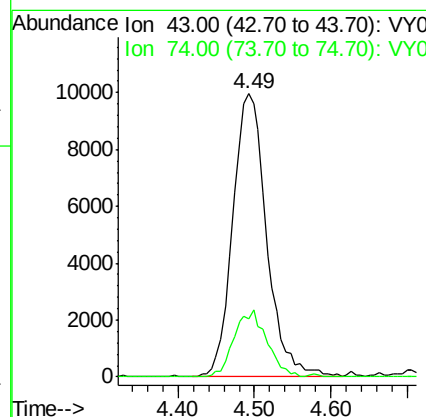
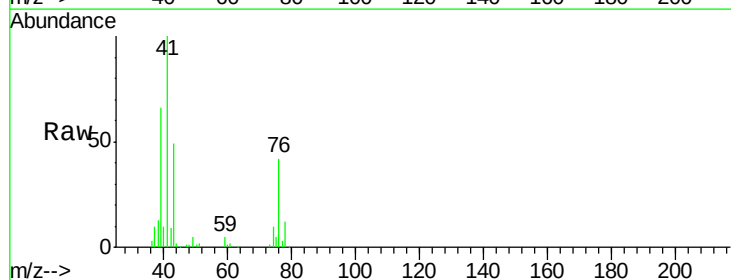
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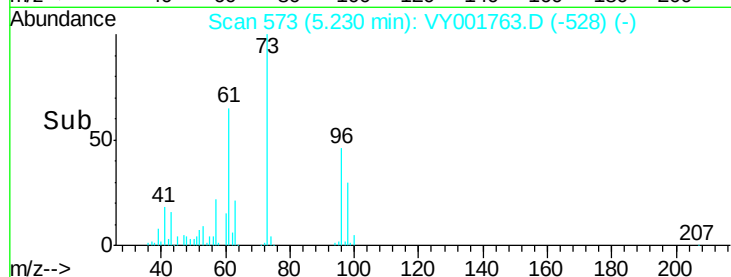
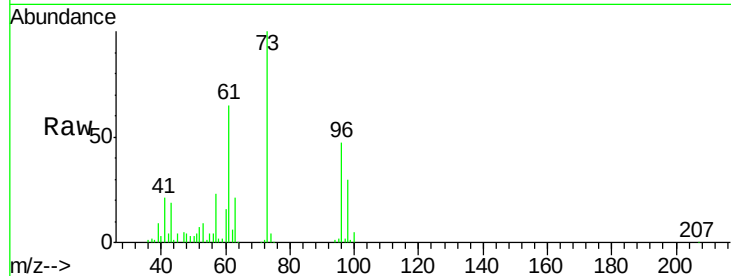
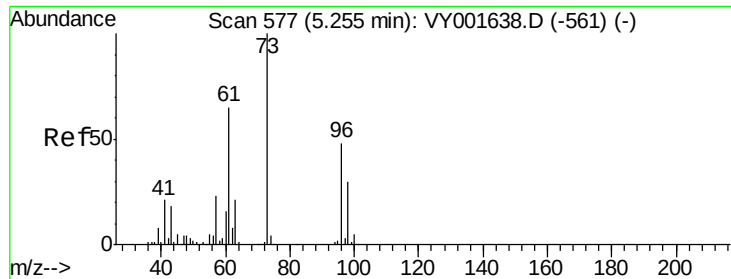
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#18
Methyl Acetate
Concen: 19.345 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.1	28.7





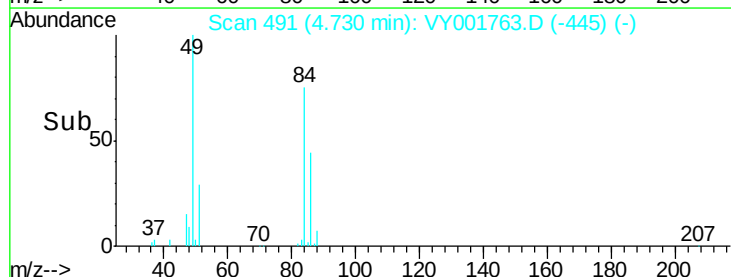
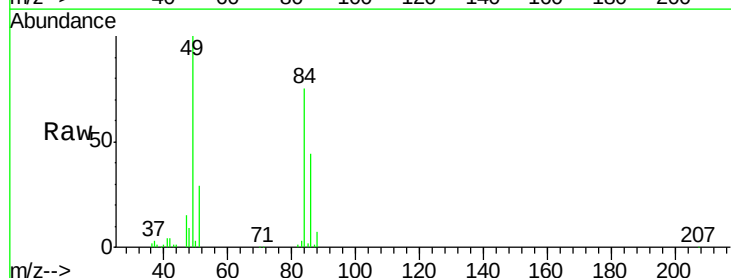
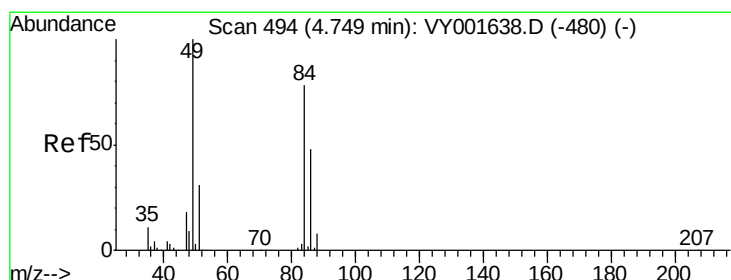
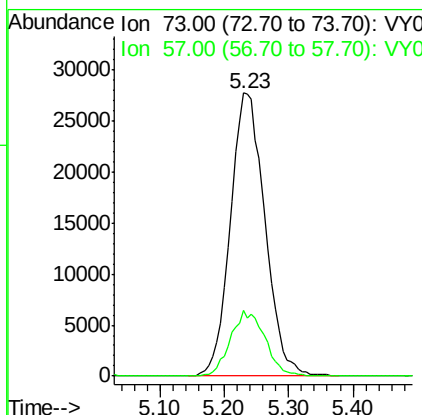
#19
Methyl tert-butyl Ether
Concen: 17.577 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tot Ion: 73 Resp: 103445
Ion Ratio Lower Upper
73 100
57 23.1 19.0 28.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

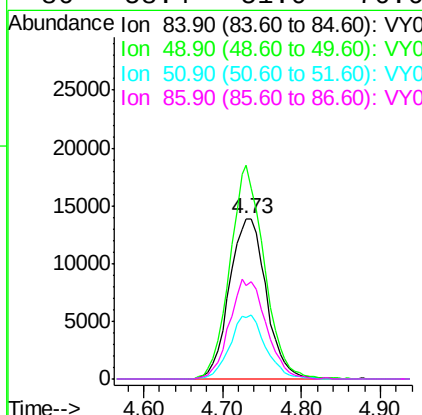
Manual Integrations
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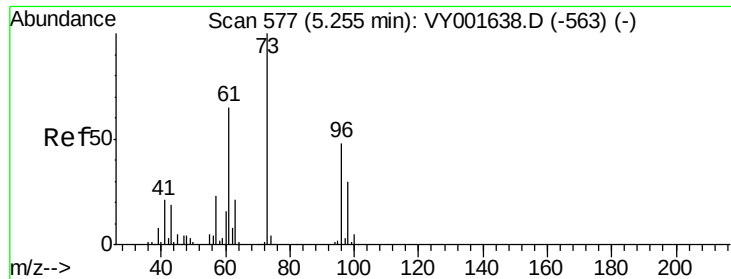
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#20
Methylene Chloride
Concen: 17.453 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 84 Resp: 44950
Ion Ratio Lower Upper
84 100
49 133.3 99.2 148.8
51 38.3 31.5 47.3
86 58.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 16.768 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

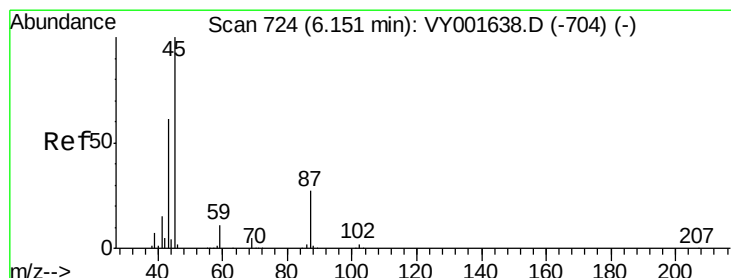
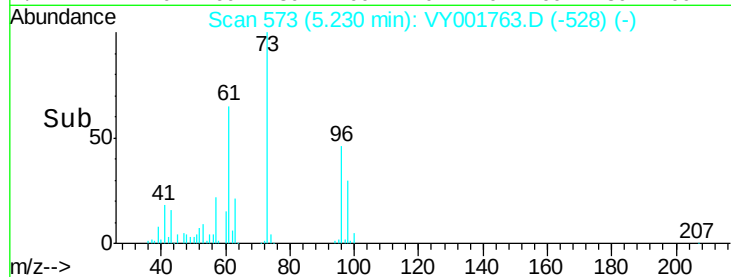
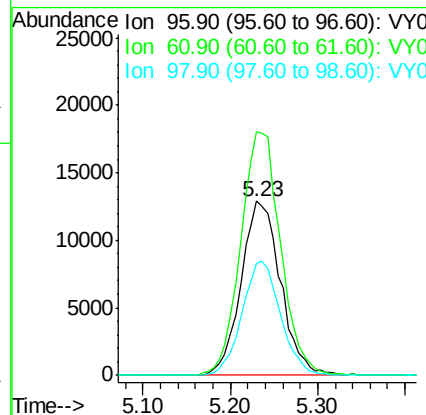
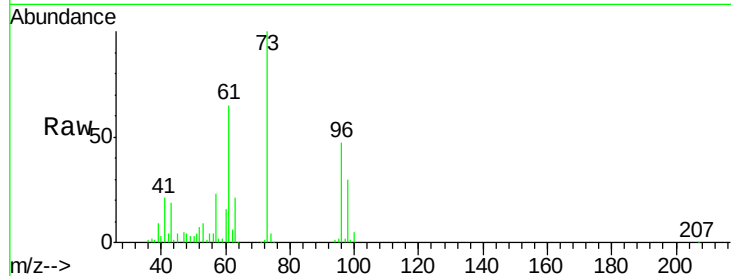
ClientSampleId :

VY0224SBS01

Tot Ion:	96	Resp:	40438
Ion	Ratio	Lower	Upper
96	100		
61	139.6	107.9	161.9
98	63.8	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.651 ug/l

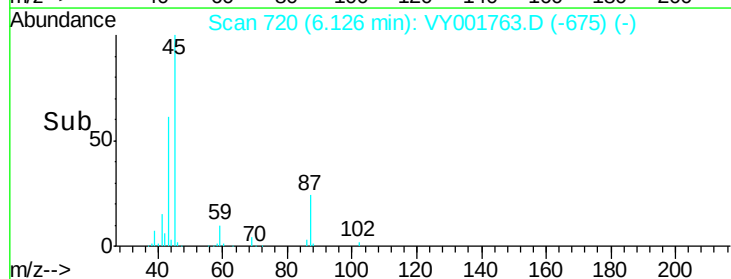
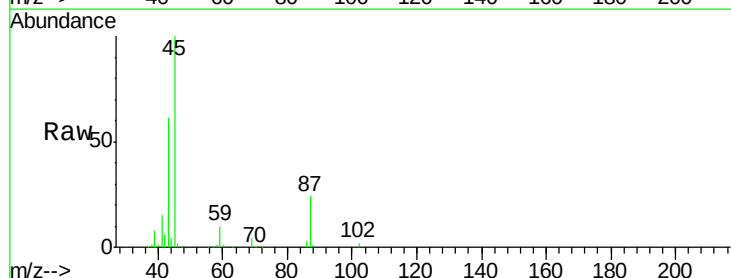
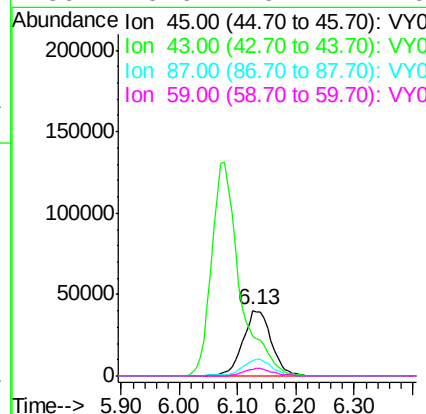
RT: 6.13 min Scan# 720

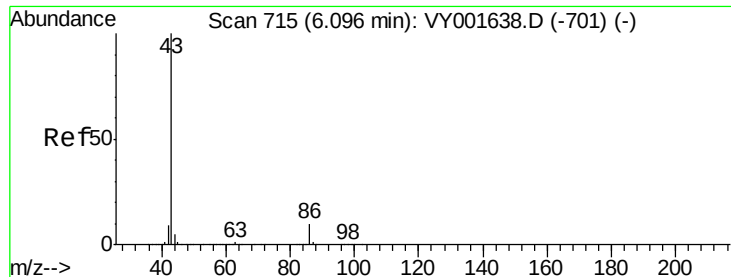
Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion:	45	Resp:	136366
Ion	Ratio	Lower	Upper
45	100		
43	61.1	46.4	69.6
87	23.5	22.1	33.1
59	9.6	9.4	14.0





#23

Vinyl Acetate

Concen: 87.485 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 43 Resp: 440863

Ion Ratio Lower Upper

43 100

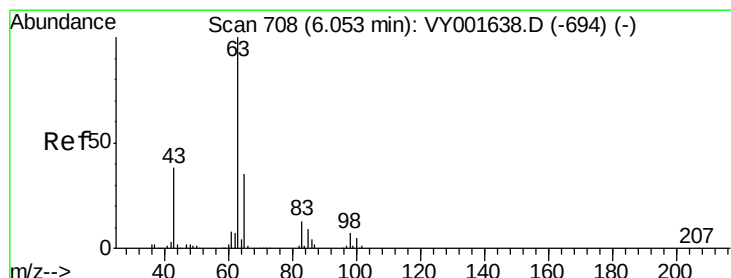
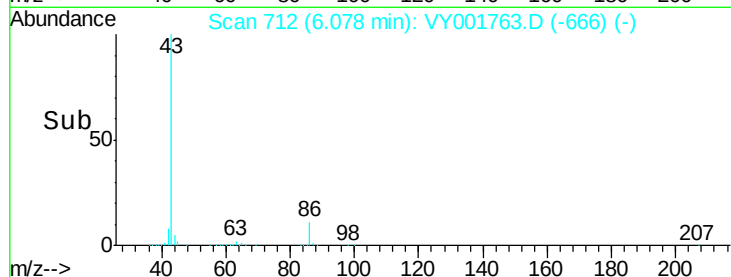
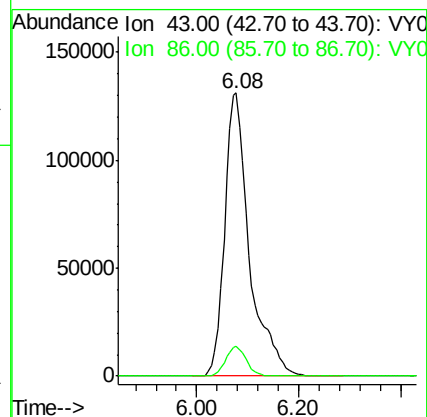
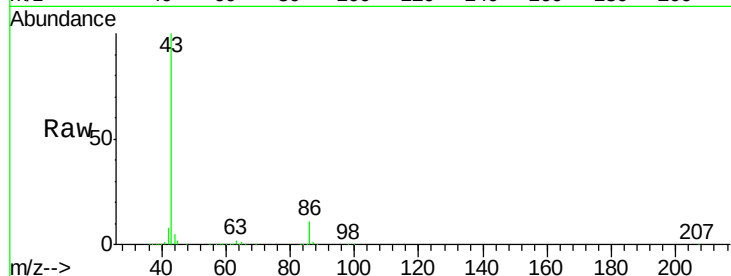
86 10.5 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.544 ug/l

RT: 6.03 min Scan# 705

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

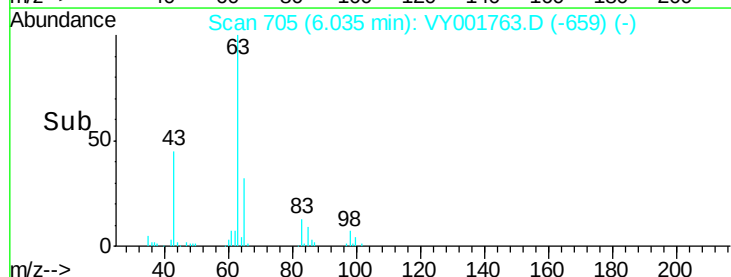
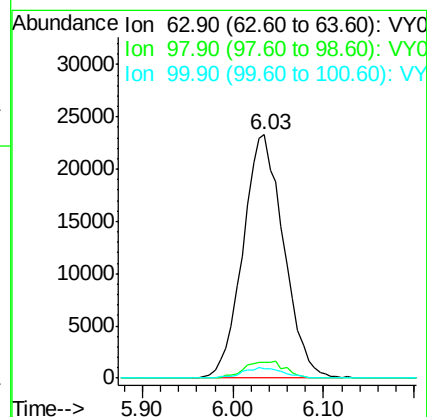
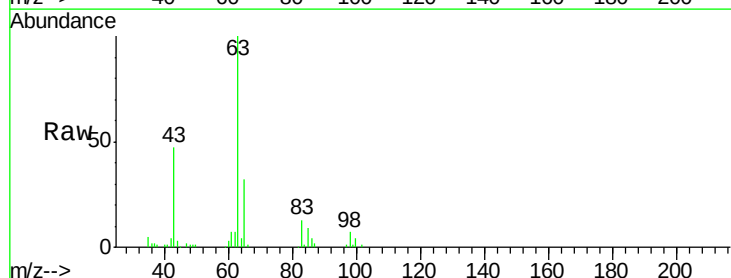
Tgt Ion: 63 Resp: 72443

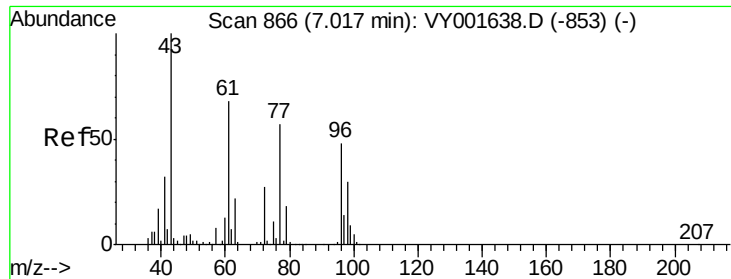
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 84.726 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 43 Resp: 83454

Ion Ratio Lower Upper

43 100

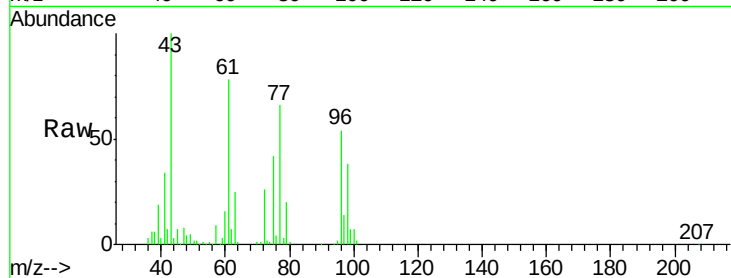
72 26.5 21.2 31.8

Manual Integrations

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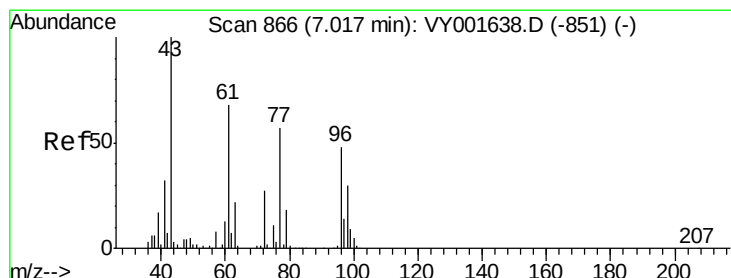
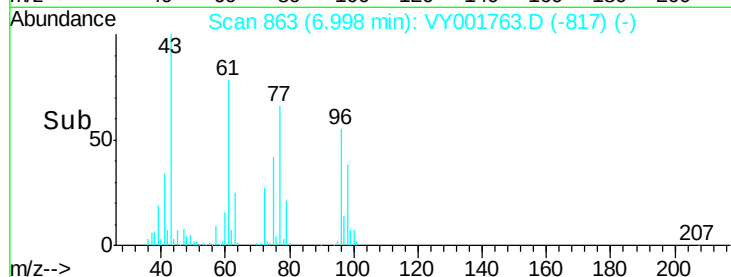
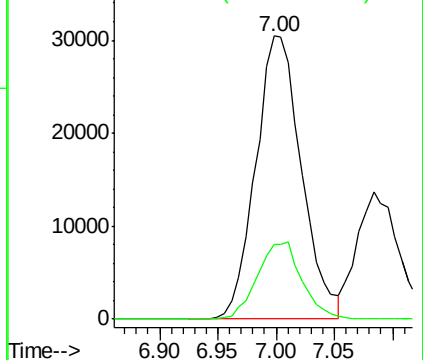
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 17.294 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001763.D

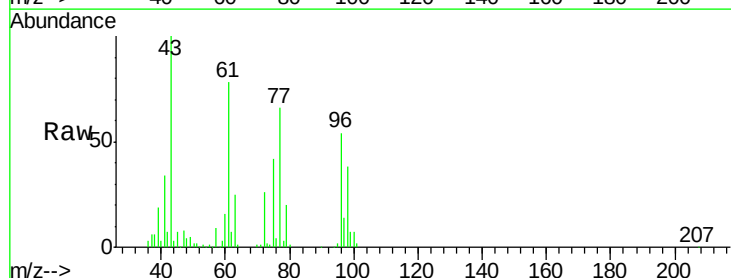
Acq: 24 Feb 2020 11:27

Tgt Ion: 77 Resp: 62128

Ion Ratio Lower Upper

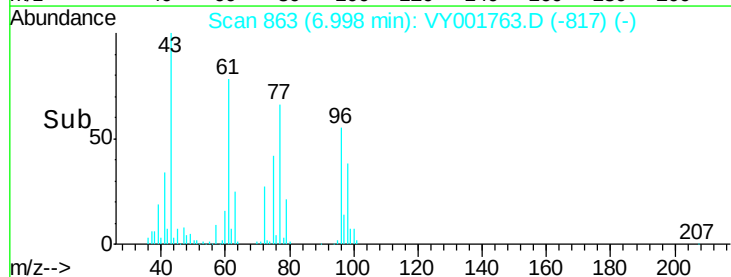
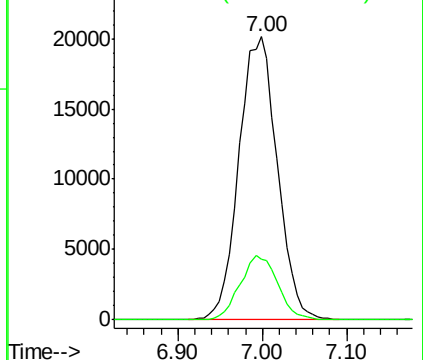
77 100

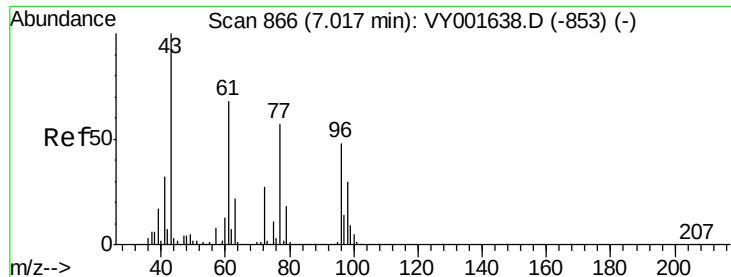
97 22.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

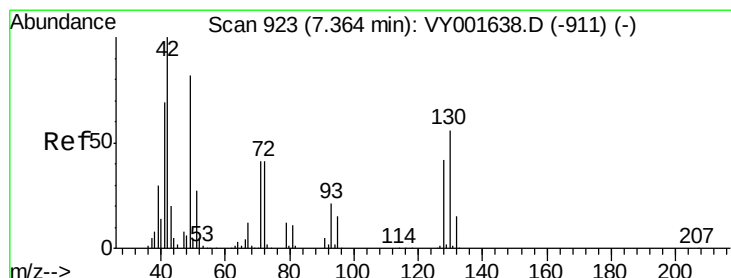
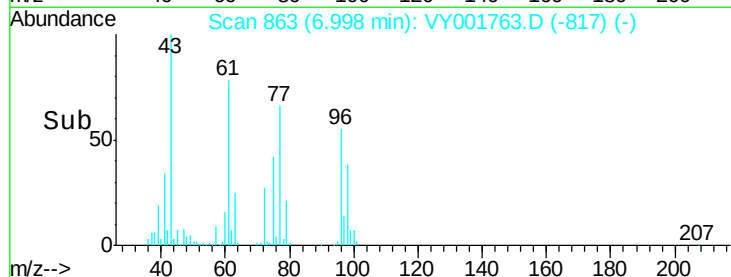
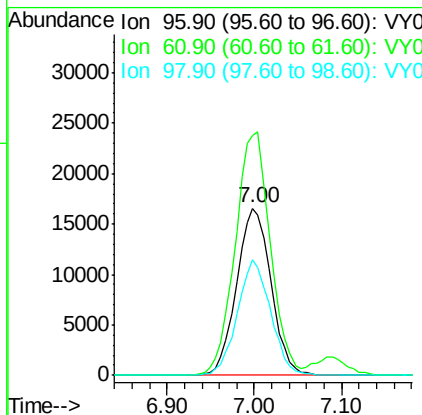
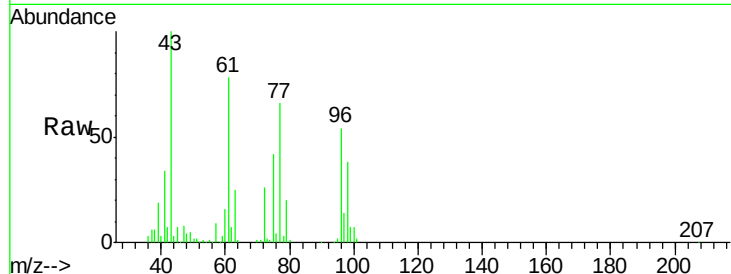
cis-1,2-Dichloroethene
Concen: 16.987 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	290.8
98	66.5	0.0	128.6

Manual Integrations
APPROVED

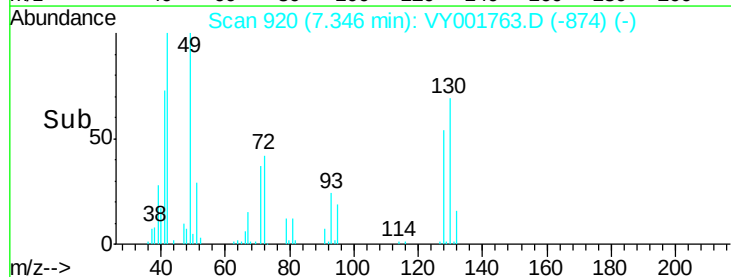
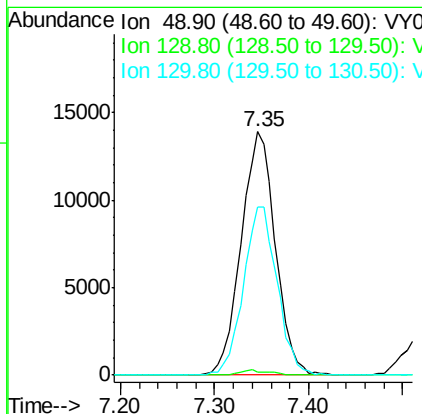
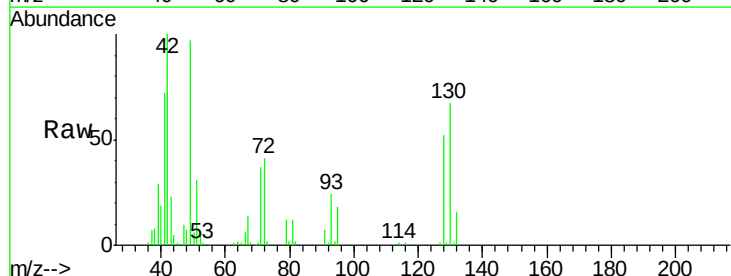
MMDadoda
2/25/2020 10:53:55 AM

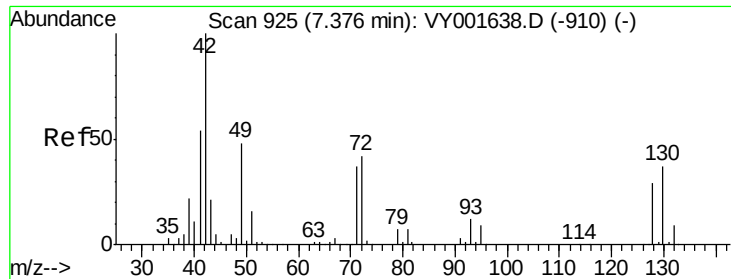


#28

Bromochloromethane
Concen: 20.566 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	67.9	56.2	84.4





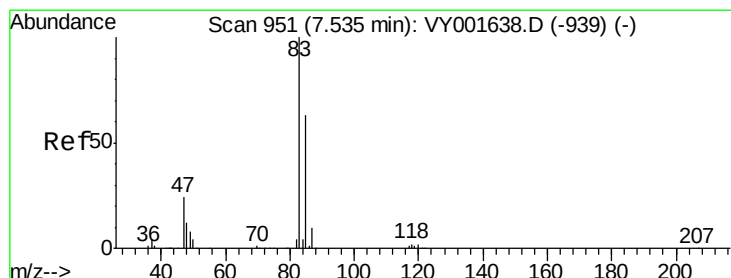
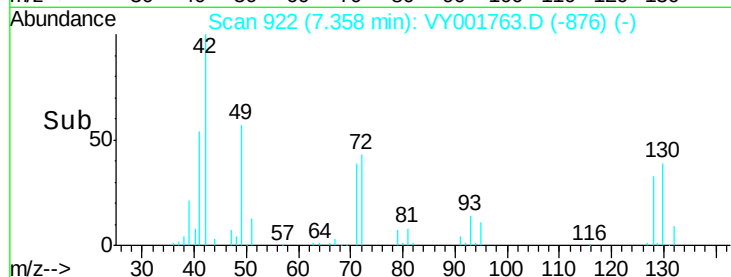
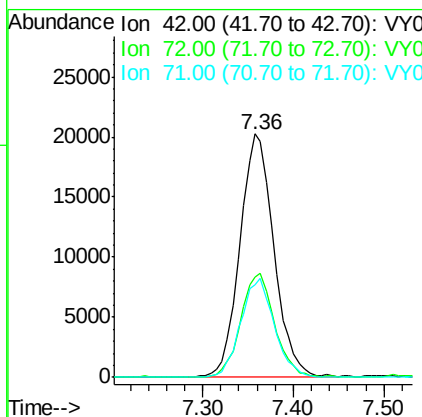
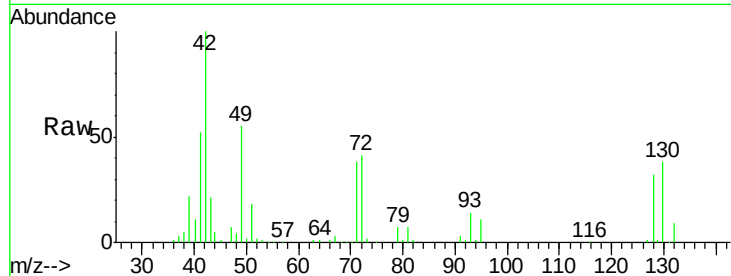
#29
Tetrahydrofuran
Concen: 88.629 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.4	51.6
71	39.8	31.8	47.8

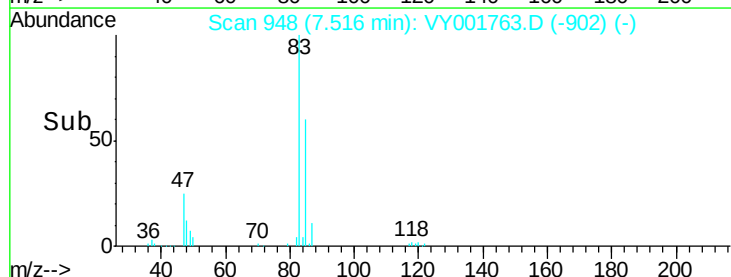
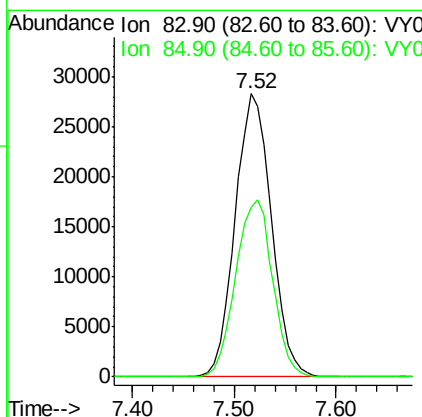
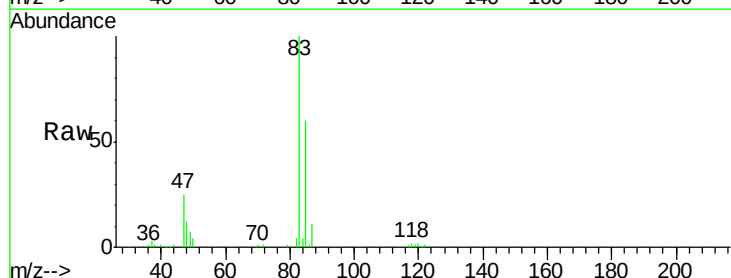
Manual Integrations
APPROVED

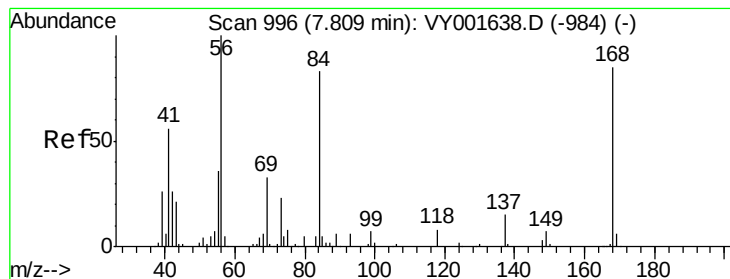
MMDadoda
2/25/2020 10:53:55 AM



#30
Chloroform
Concen: 17.323 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.6	77.4





#31

Cyclohexane

Concen: 17.052 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 56 Resp: 75072

Ion Ratio Lower Upper

56 100

69 38.1 25.1 37.7#

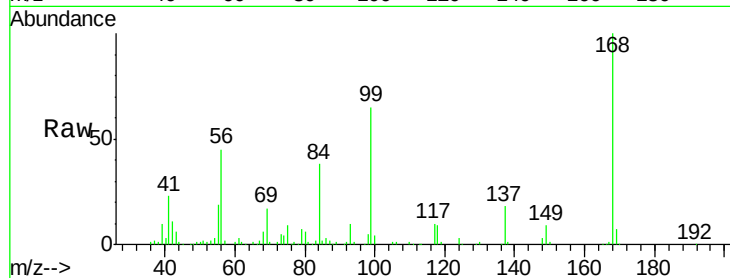
84 85.0 66.9 100.3

Manual Integrations

APPROVED

MMDadoda

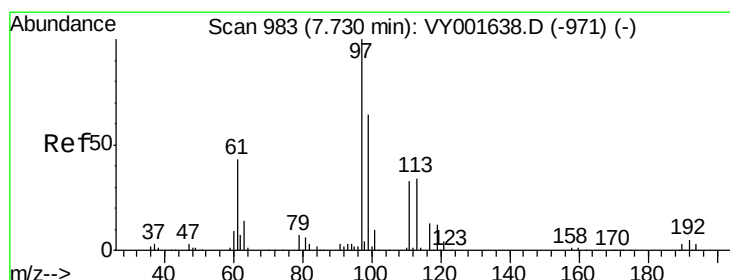
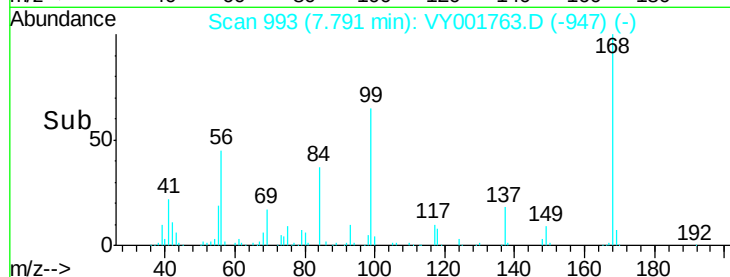
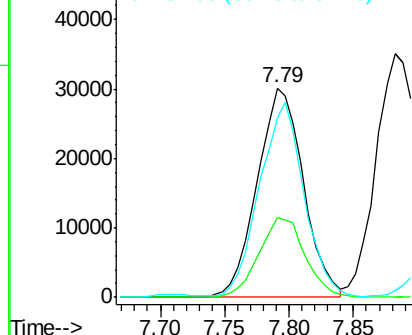
2/25/2020 10:53:55 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 17.353 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

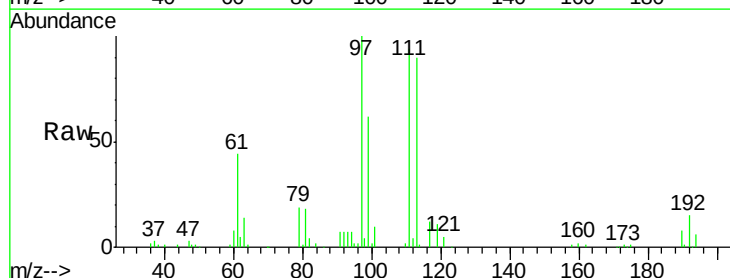
Tgt Ion: 97 Resp: 58843

Ion Ratio Lower Upper

97 100

99 62.1 51.2 76.8

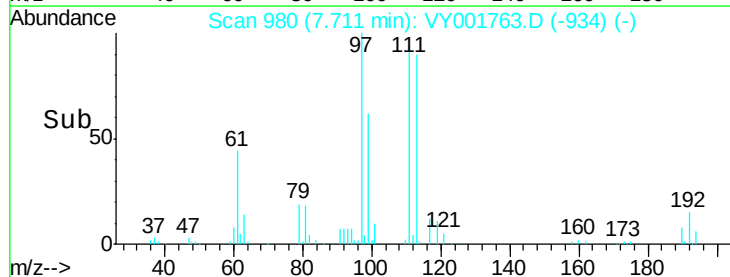
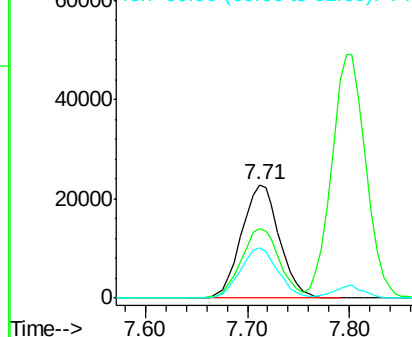
61 43.9 35.0 52.6

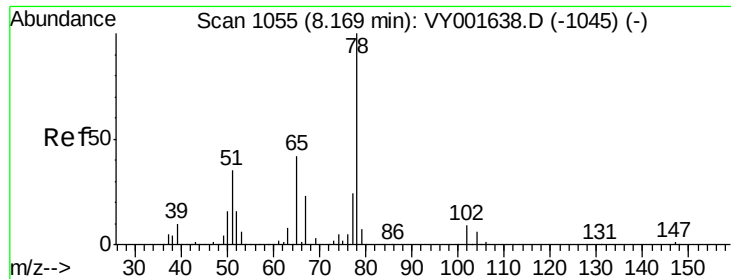


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





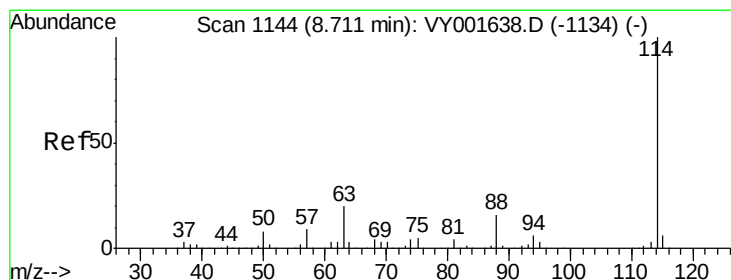
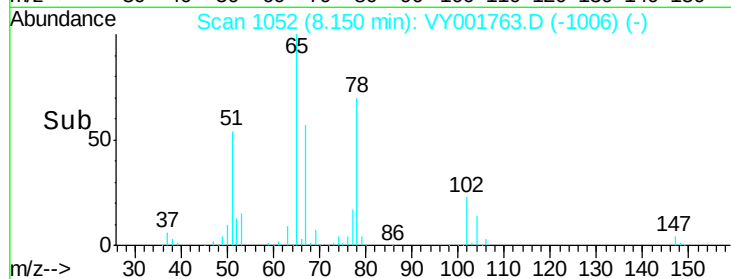
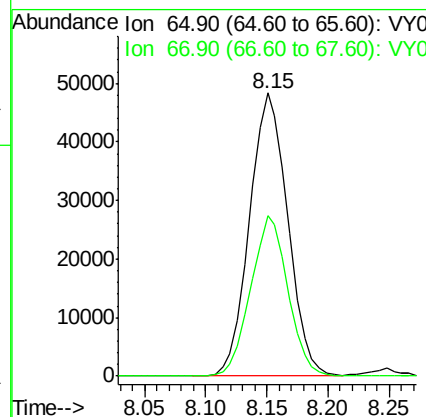
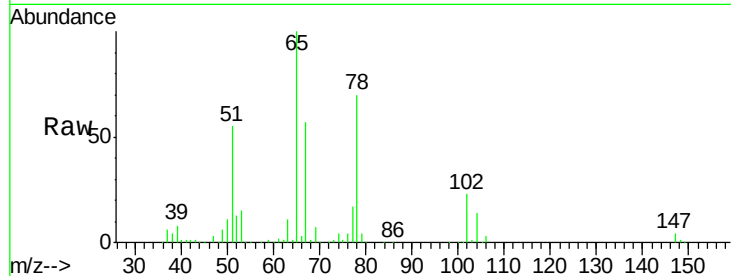
#33
 1,2-Dichloroethane-d4
 Concen: 50.202 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105200		
67	55.3	0.0	111.0	

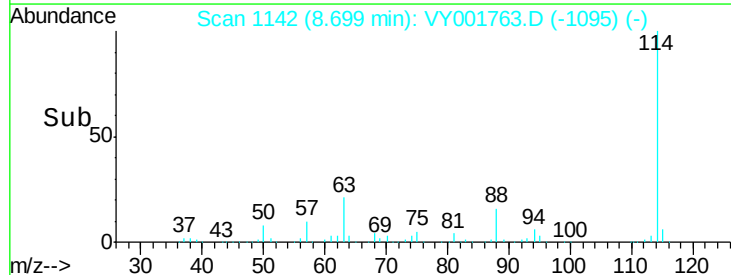
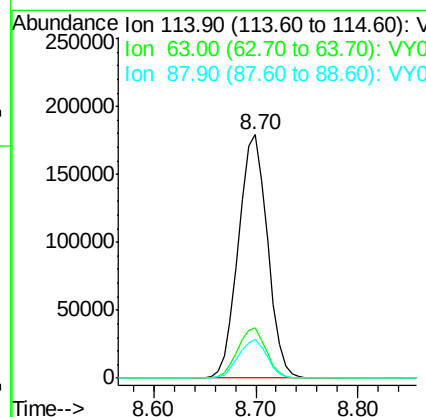
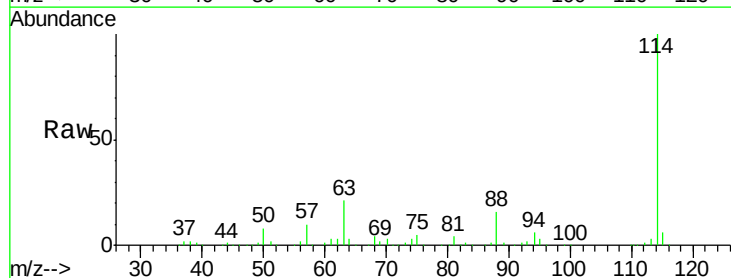
Manual Integrations
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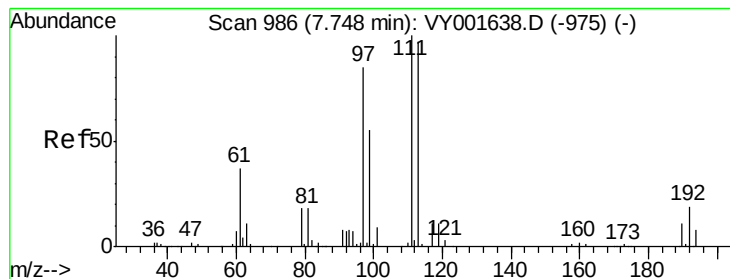
MMDadoda
 2/25/2020 10:53:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	352351		
63	20.7	0.0	41.4	
88	16.0	0.0	32.8	





#35

Dibromofluoromethane

Concen: 47.697 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:113 Resp: 96258

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

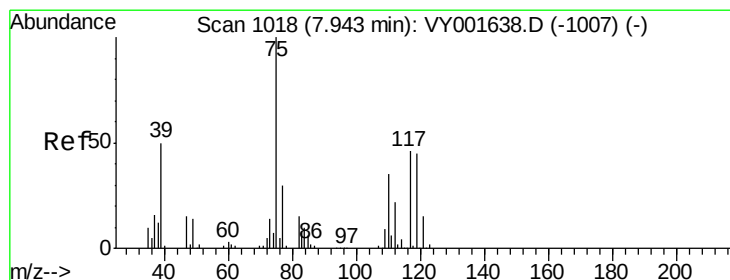
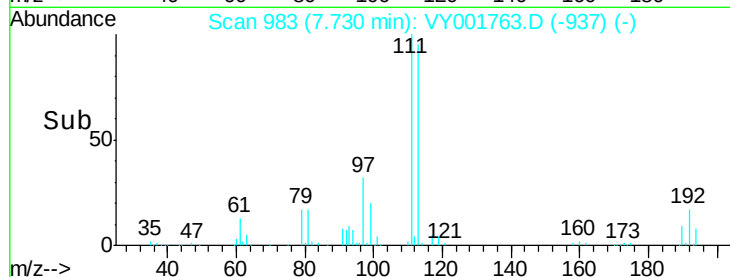
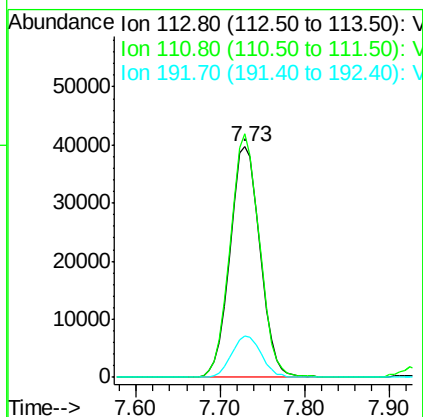
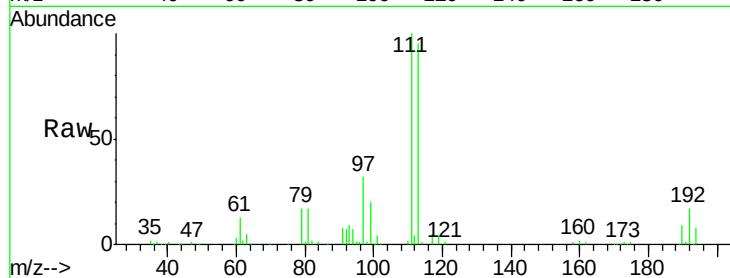
192 17.7 14.3 21.5

Manual Integrations

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2/25/2020 10:53:55 AM



#36

1,1-Dichloropropene

Concen: 16.936 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. -0.02 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

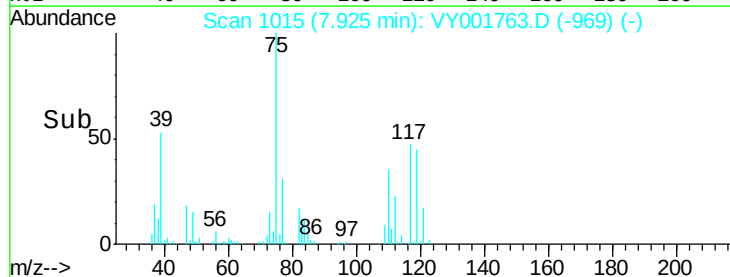
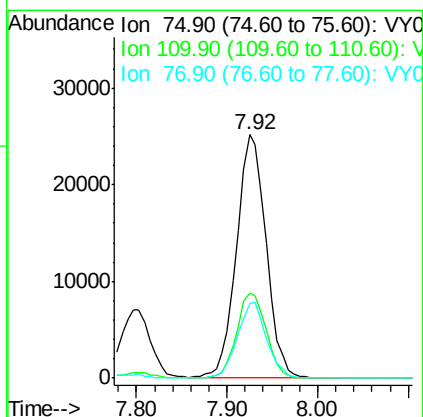
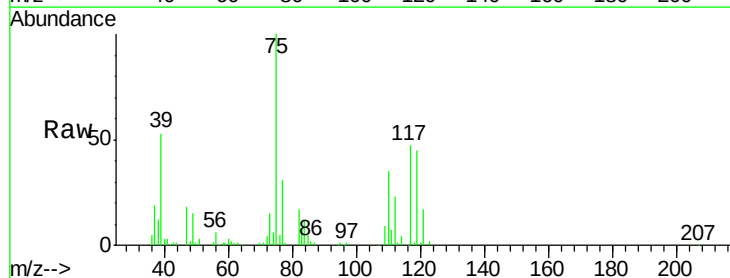
Tgt Ion: 75 Resp: 57002

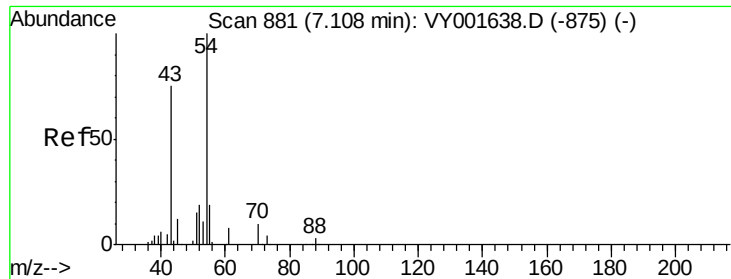
Ion Ratio Lower Upper

75 100

110 34.8 17.2 51.6

77 30.9 24.8 37.2





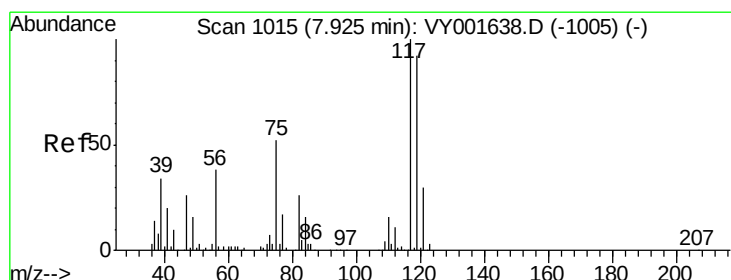
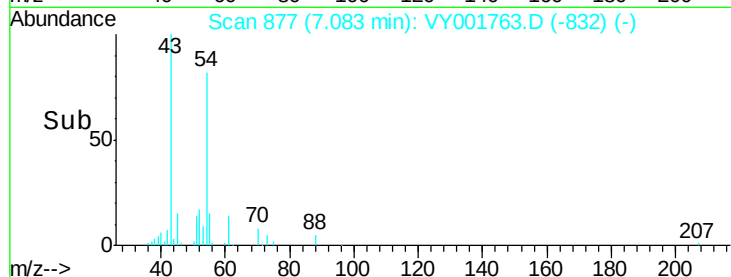
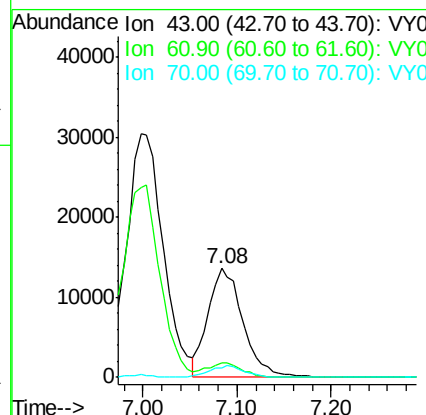
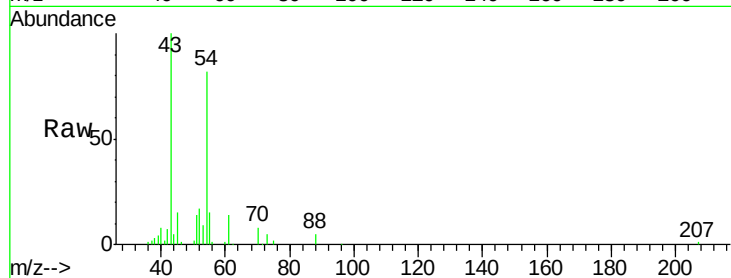
#37
Ethyl Acetate
Concen: 17.558 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.6
70	10.4	8.8	13.2

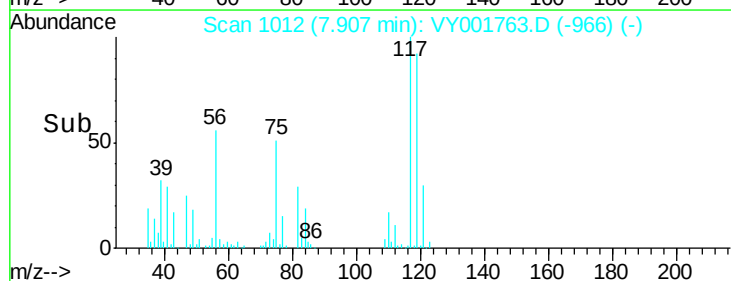
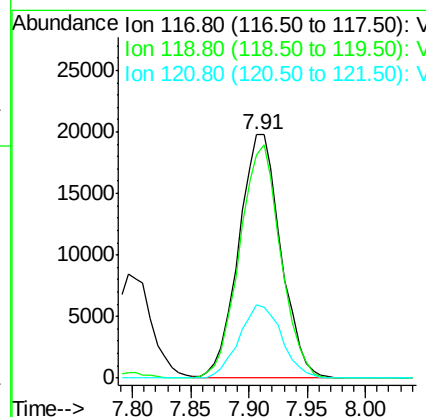
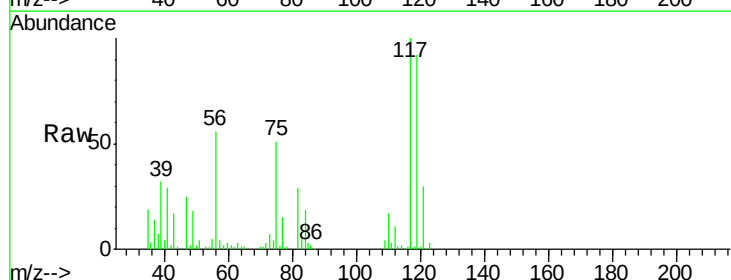
Manual Integrations
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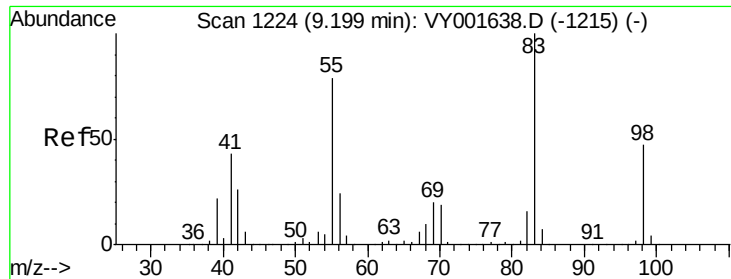
MMDadoda
2/25/2020 10:53:55 AM



#38
Carbon Tetrachloride
Concen: 16.808 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	74.8	112.2
121	30.0	23.8	35.6





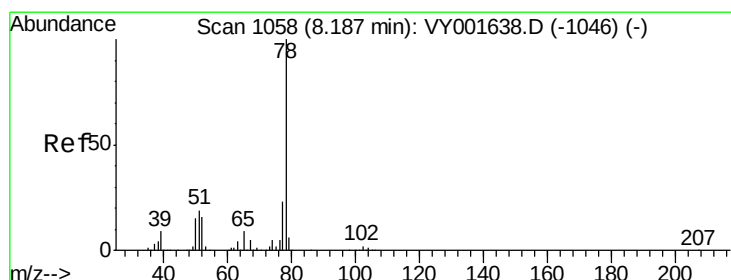
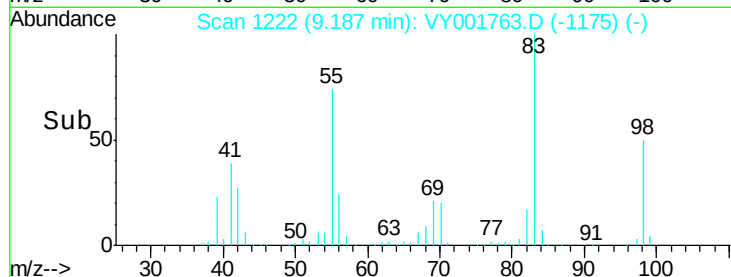
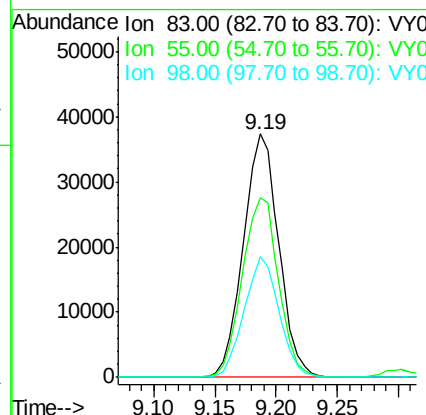
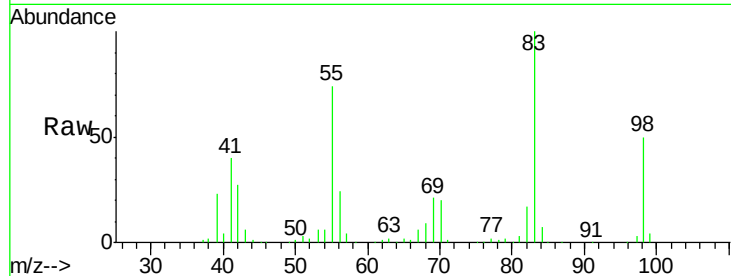
#39
Methylvlcyclohexane
Concen: 16.838 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	61.3	91.9
98	49.8	38.0	57.0

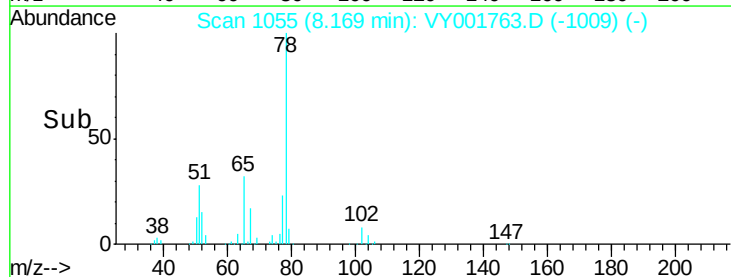
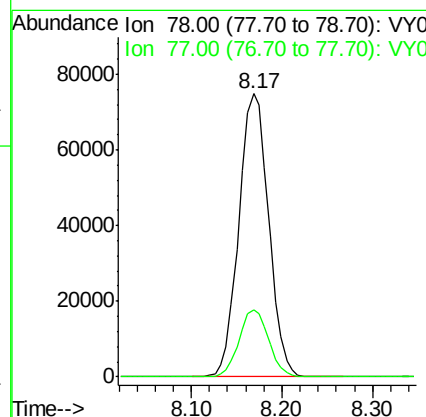
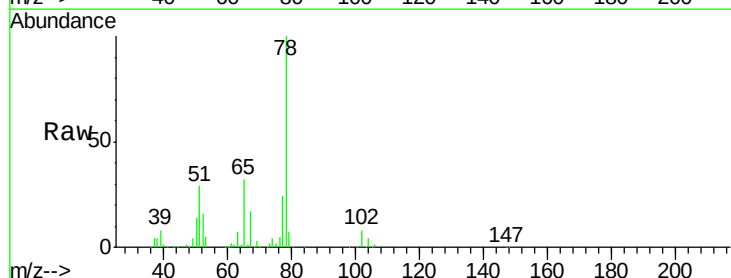
Manual Integrations
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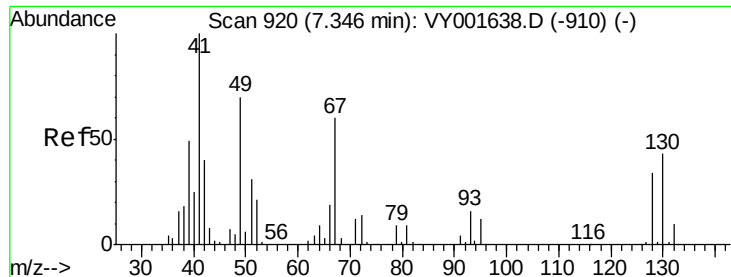
MMDadoda
2/25/2020 10:53:55 AM



#40
Benzene
Concen: 17.240 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.4





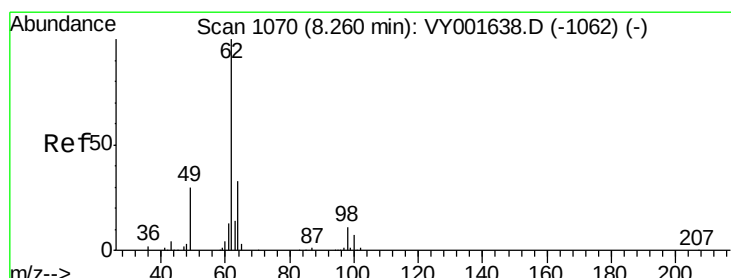
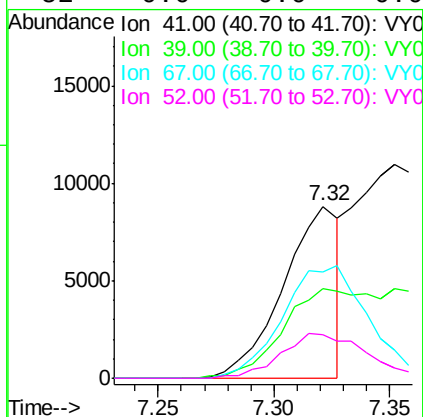
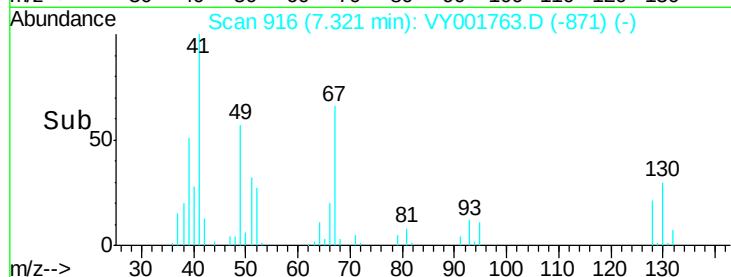
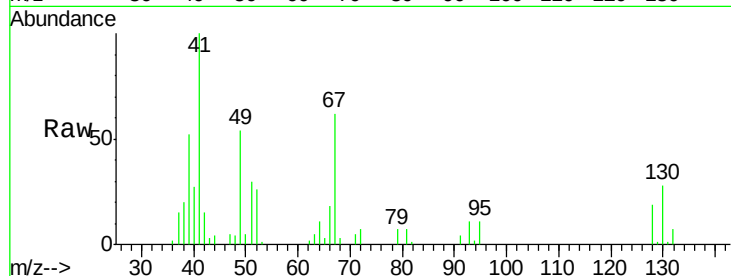
#41
Methacrylonitrile
Concen: 14.873 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	41	Resp	15001
Ion Ratio	Lower	Upper	
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

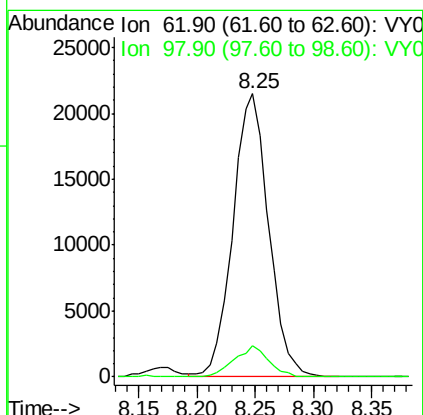
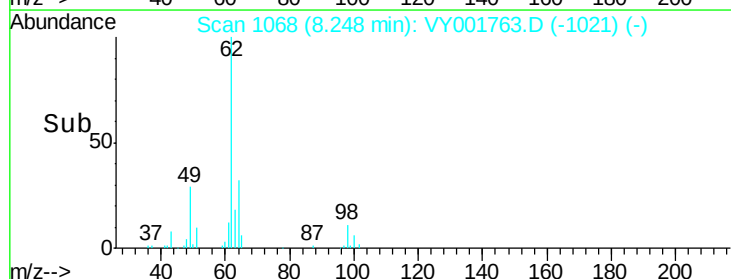
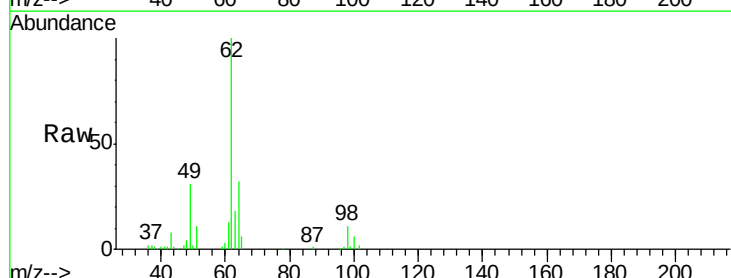
Manual Integrations
APPROVED

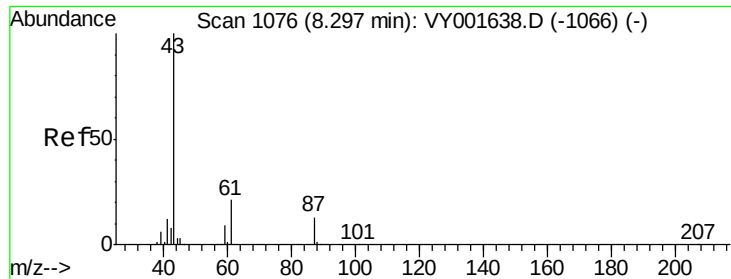
MMDadoda
2/25/2020 10:53:55 AM



#42
1,2-Dichloroethane
Concen: 17.017 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	62	Resp	45889
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	20.8





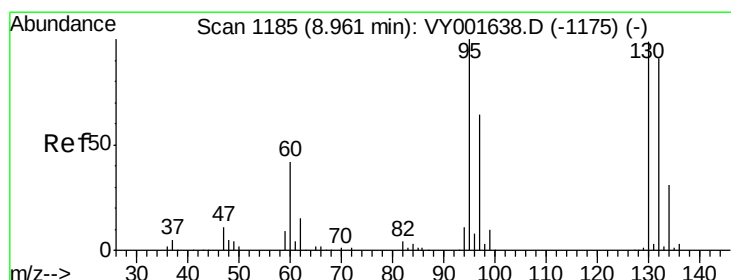
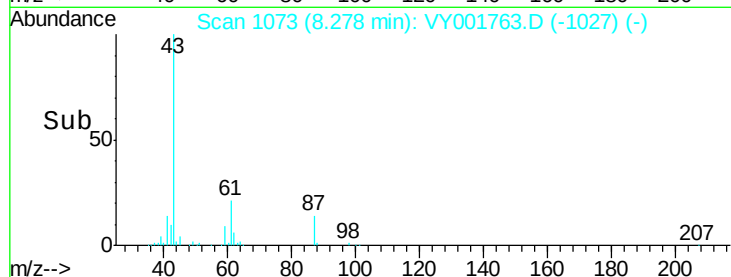
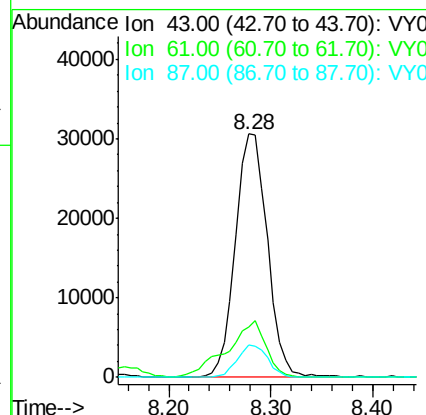
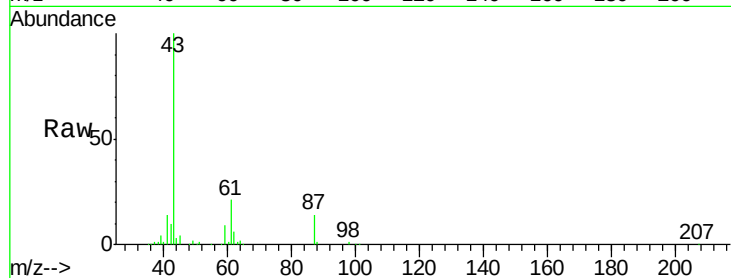
#43
Isopropyl Acetate
Concen: 17.514 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	23.0	34.4
87	12.9	10.7	16.1

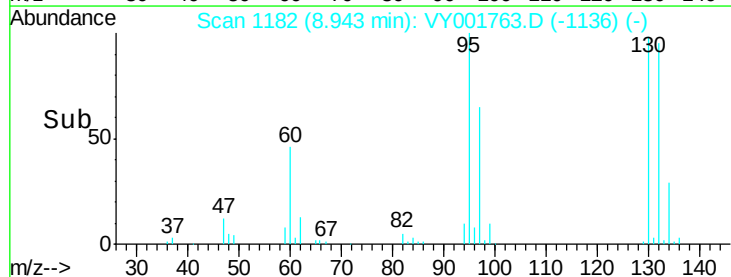
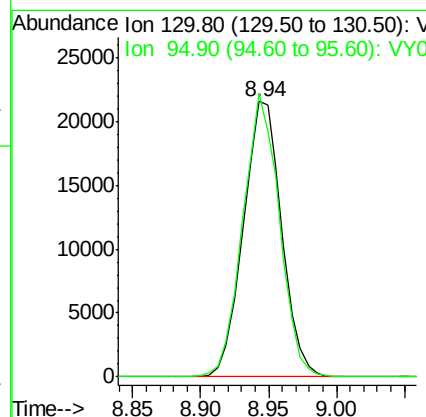
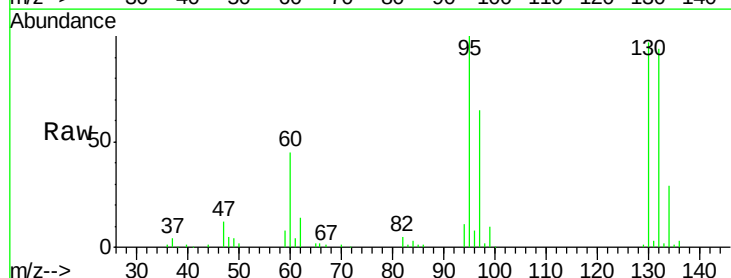
Manual Integrations
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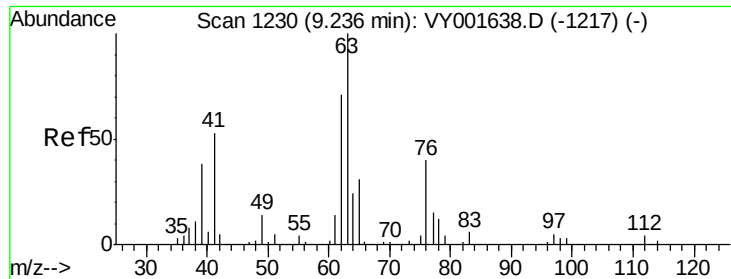
MMDadoda
2/25/2020 10:53:55 AM



#44
Trichloroethene
Concen: 17.132 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	200.6





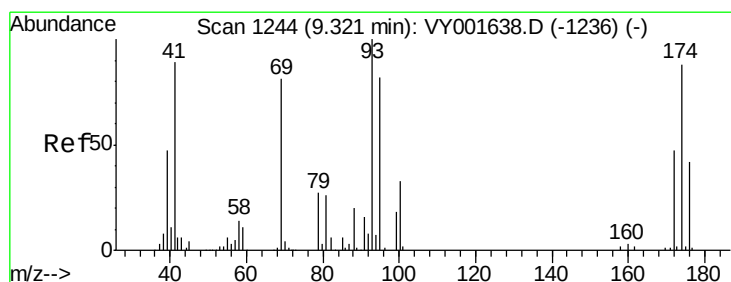
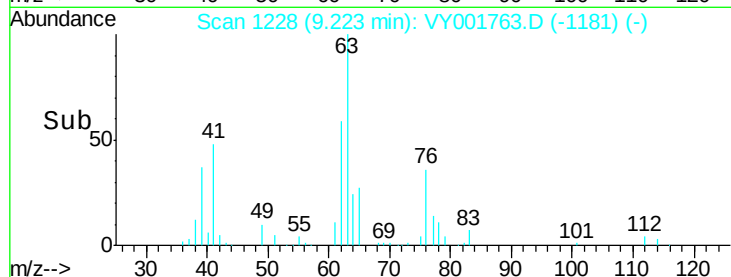
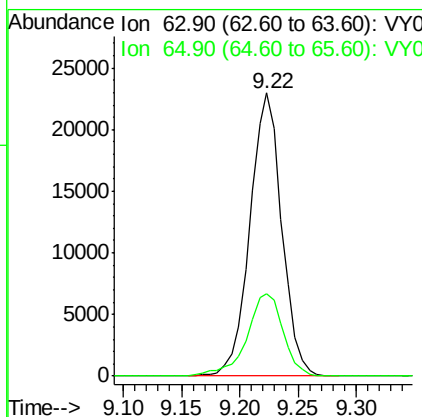
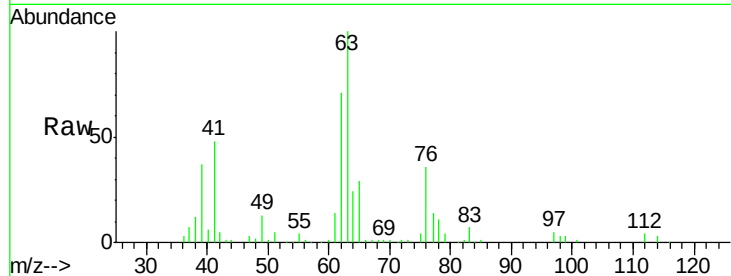
#45
 1,2-Dichloropropane
 Concen: 17.671 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion: 63 Resp: 43806
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.6 37.0

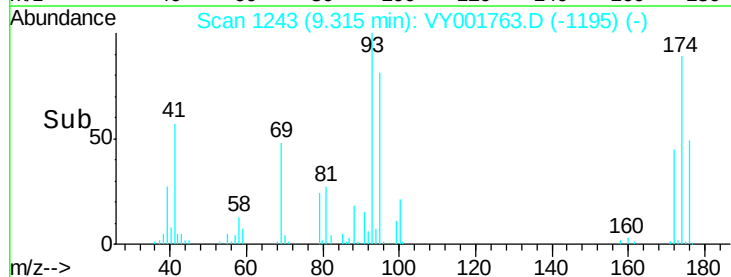
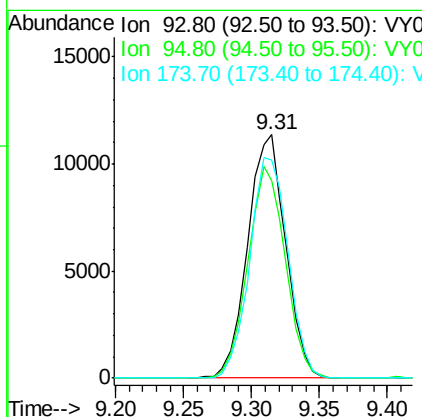
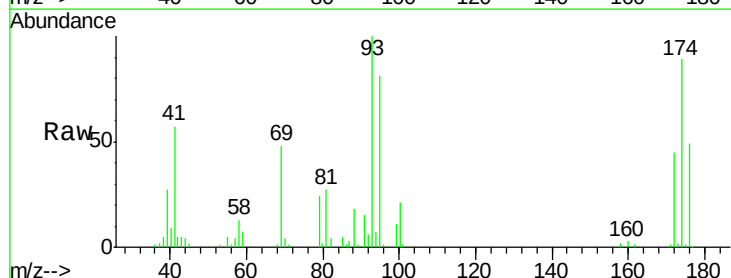
Manual Integrations
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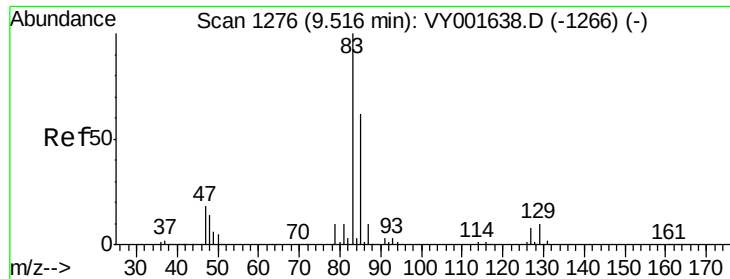
MMDadoda
 2/25/2020 10:53:55 AM



#46
 Dibromomethane
 Concen: 17.152 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 93 Resp: 22239
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.1 99.1
 174 91.4 72.5 108.7





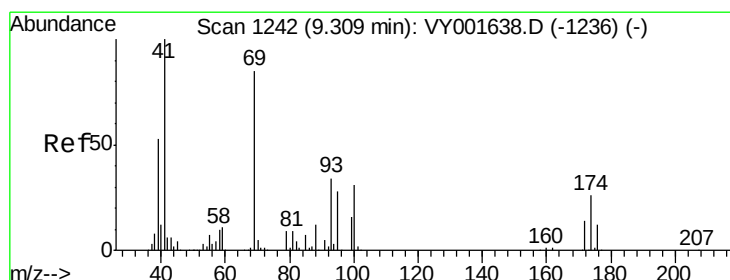
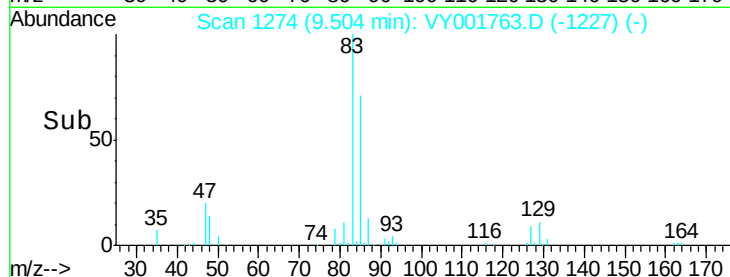
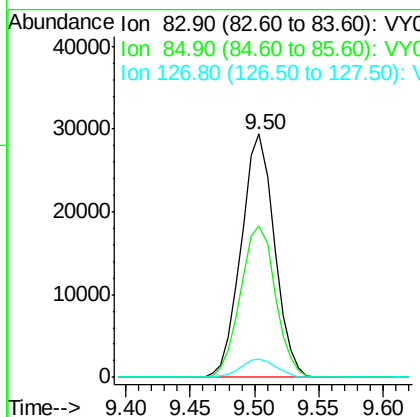
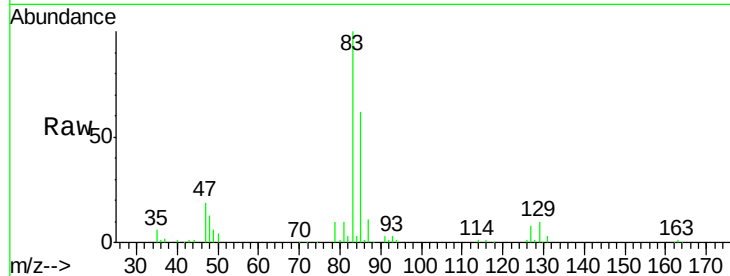
#47
Bromodichloromethane
Concen: 16.831 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	83	Resp	52669
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	51.4	77.0
127	7.7	6.4	9.6

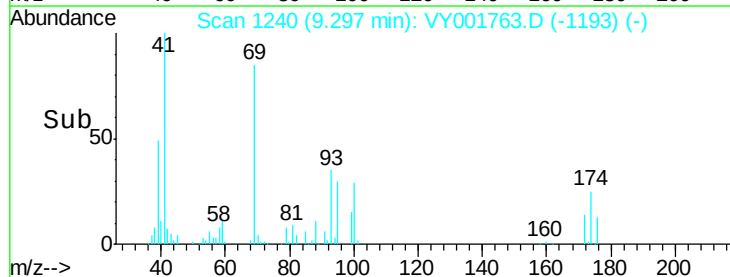
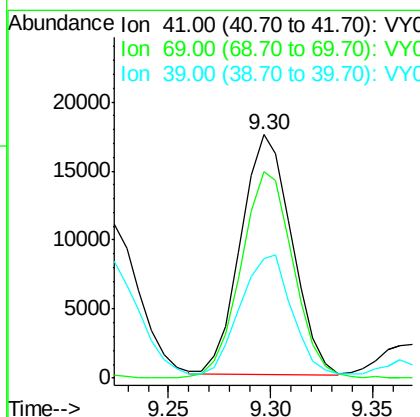
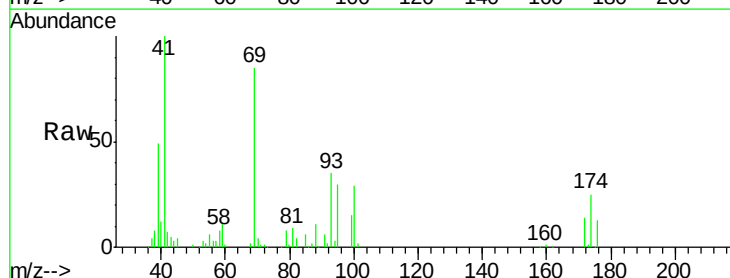
Manual Integrations
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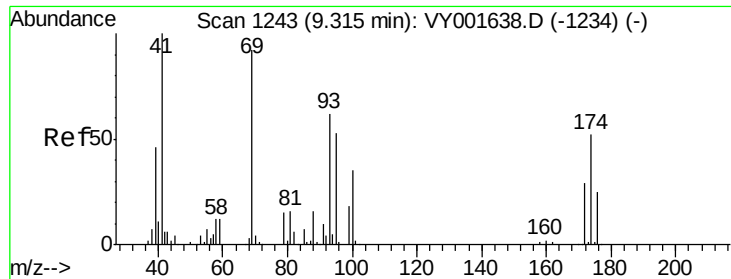
MMDadoda
2/25/2020 10:53:55 AM



#48
Methyl methacrylate
Concen: 17.426 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	41	Resp	30038
Ion Ratio	100	Lower	Upper
41	100		
69	88.8	70.7	106.1
39	53.8	42.2	63.2





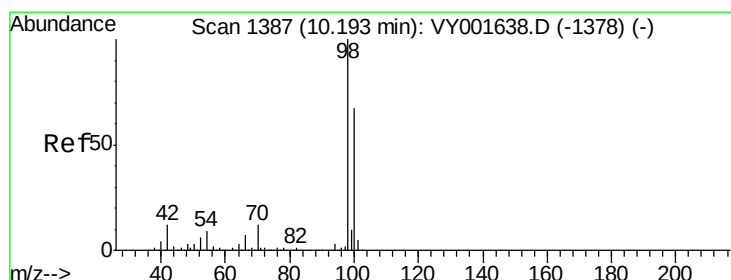
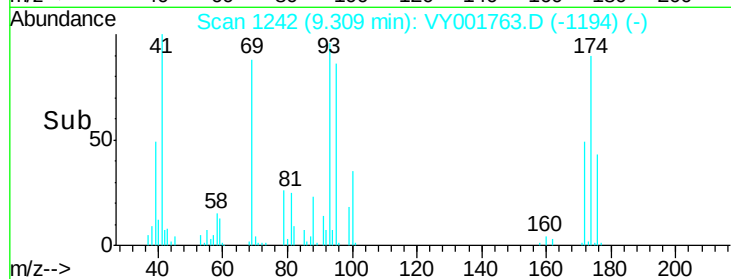
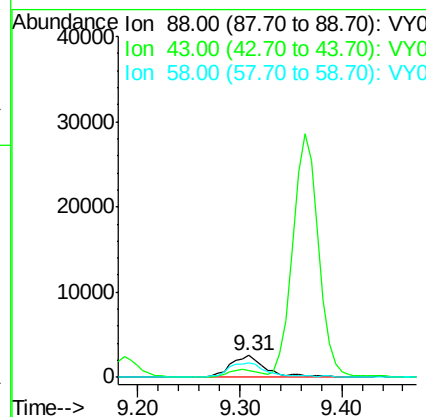
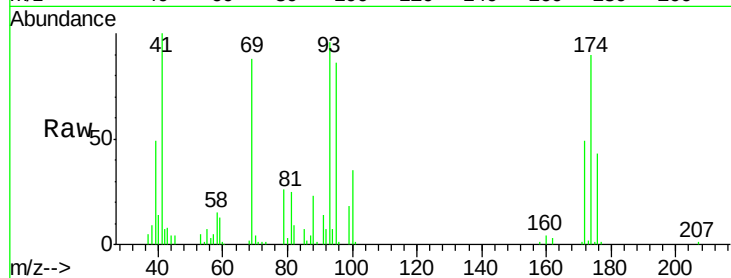
#49
1,4-Dioxane
Concen: 339.865 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.1	34.7
58	75.6	58.1	87.1

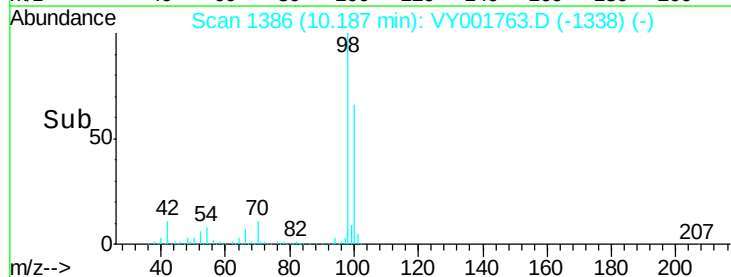
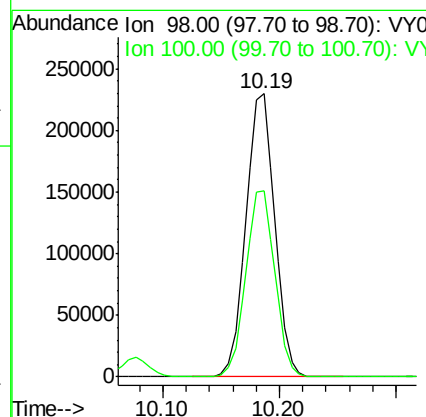
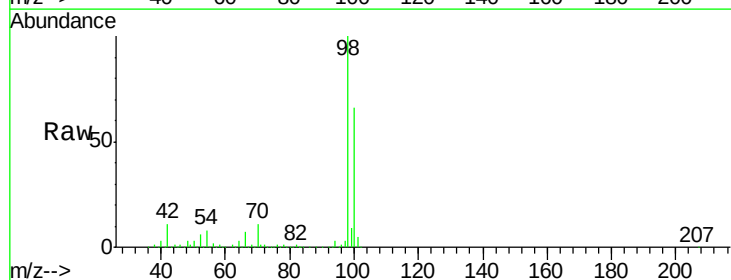
Manual Integrations
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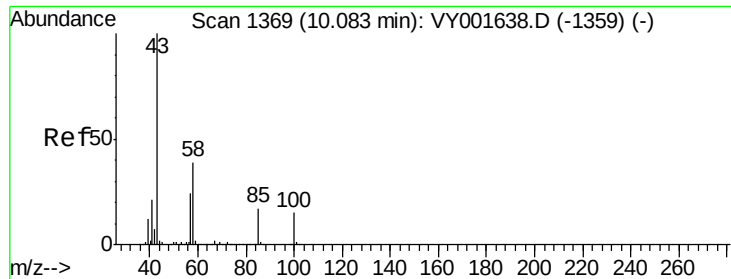
MMDadoda
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#50
Toluene-d8
Concen: 50.315 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 87.860 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 43 Resp: 172052

Ion Ratio Lower Upper

43 100

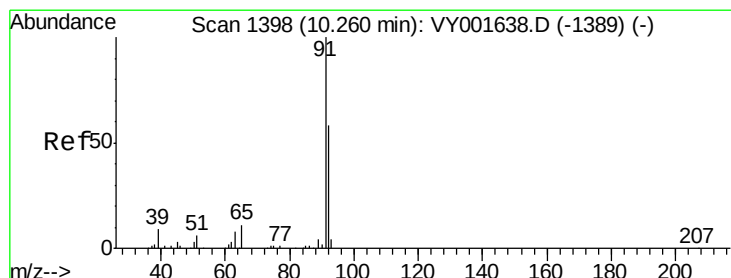
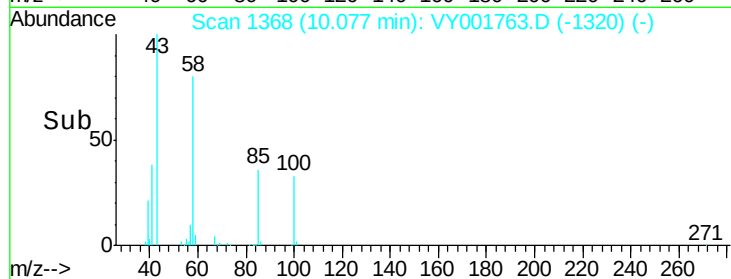
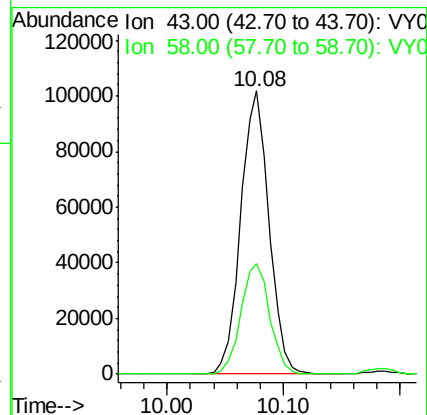
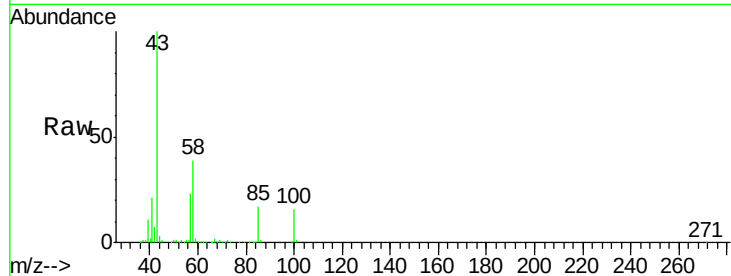
58 39.8 32.2 48.4

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#52

Toluene

Concen: 17.045 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001763.D

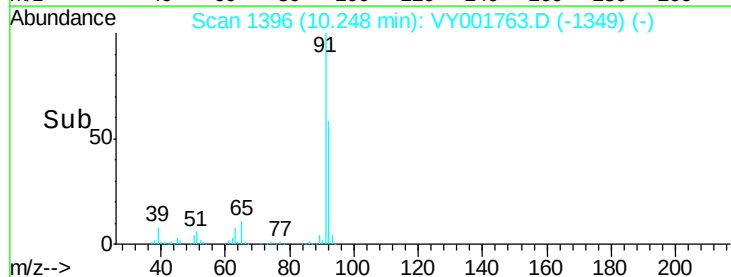
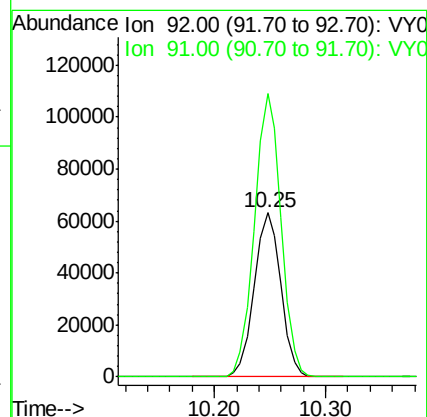
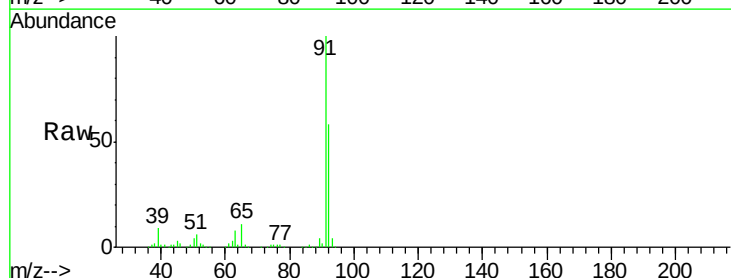
Acq: 24 Feb 2020 11:27

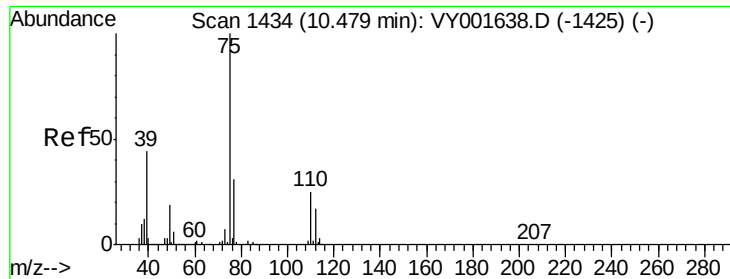
Tgt Ion: 92 Resp: 105242

Ion Ratio Lower Upper

92 100

91 171.9 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 16.892 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 75 Resp: 58439

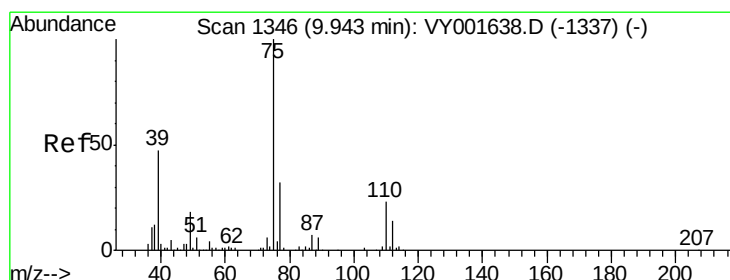
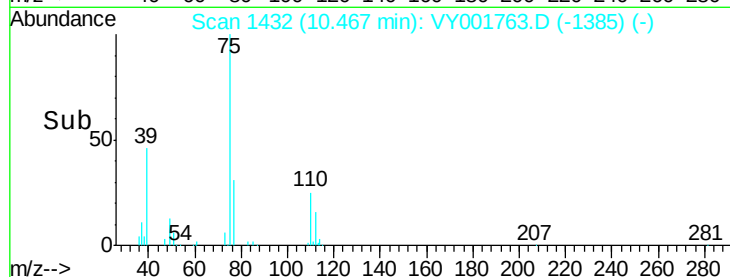
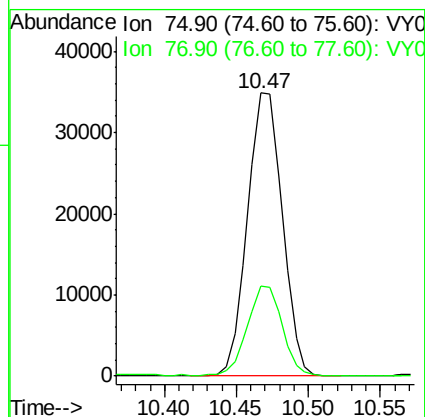
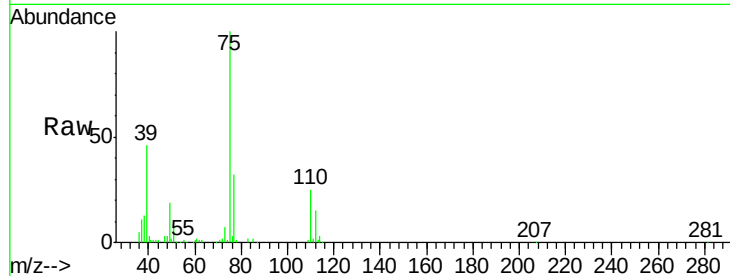
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 16.963 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

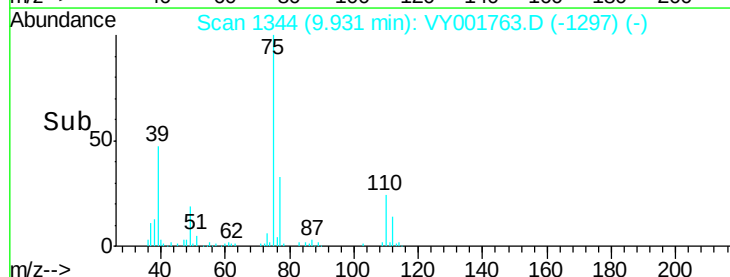
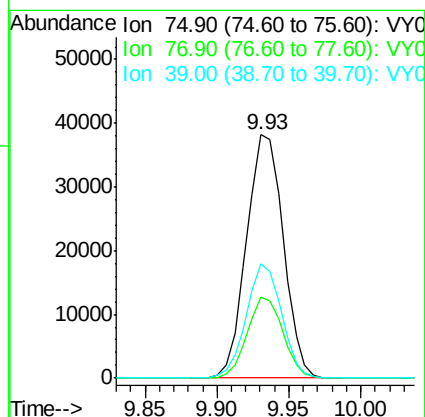
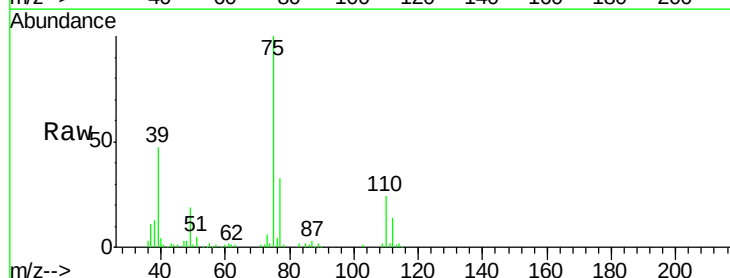
Tgt Ion: 75 Resp: 67540

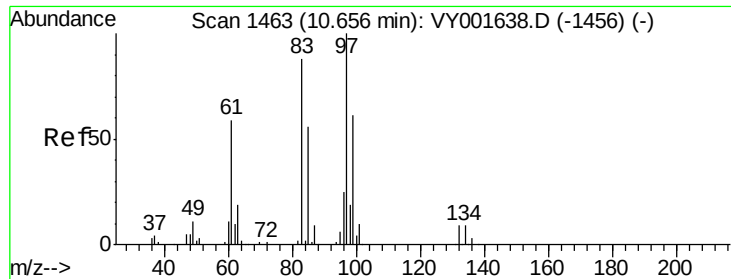
Ion Ratio Lower Upper

75 100

77 33.4 25.7 38.5

39 47.2 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 17.577 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 97 Resp: 33605

Ion Ratio Lower Upper

97 100

83 88.6 69.7 104.5

85 57.4 44.5 66.7

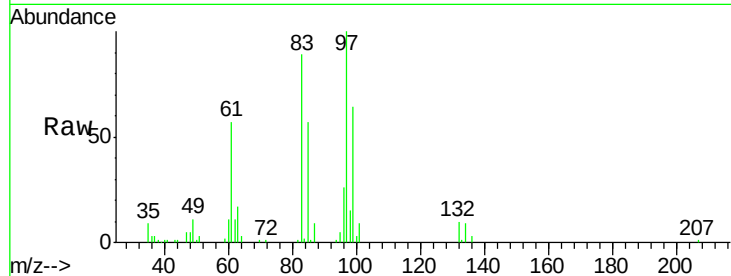
99 64.3 49.6 74.4

Manual Integrations

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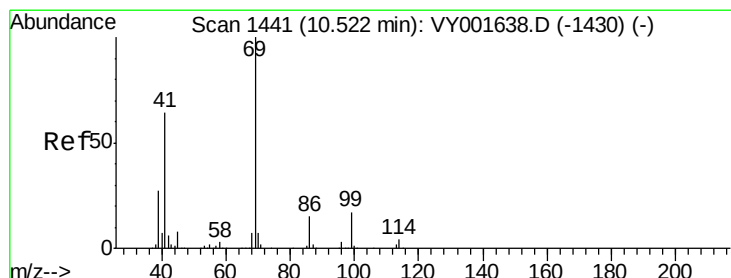
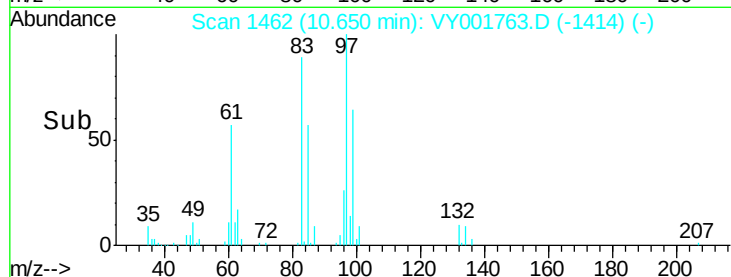
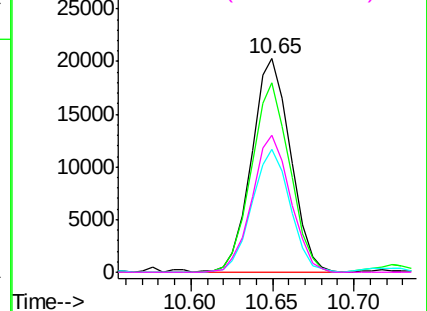
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 17.259 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

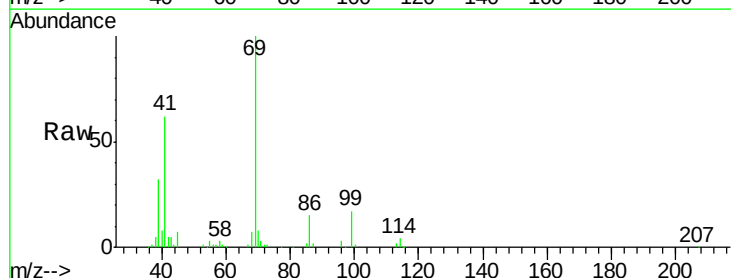
Tgt Ion: 69 Resp: 49503

Ion Ratio Lower Upper

69 100

41 64.0 51.0 76.4

39 32.9 24.7 37.1

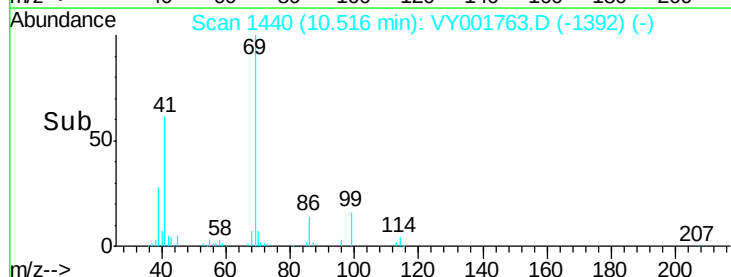
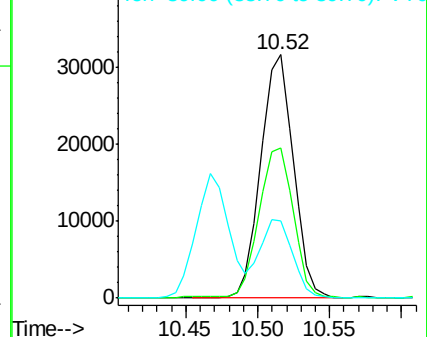


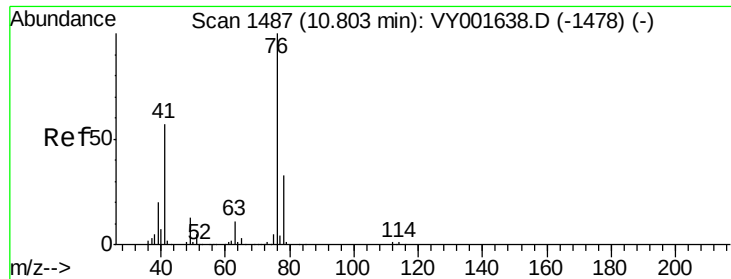
Abundance

Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





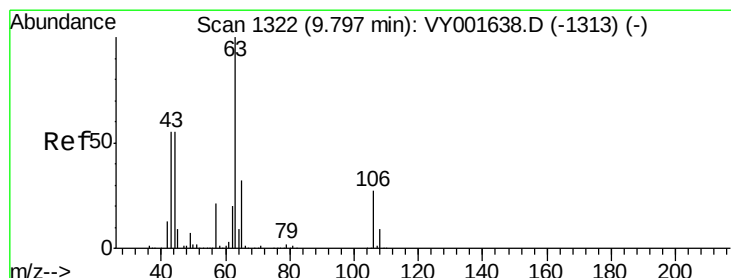
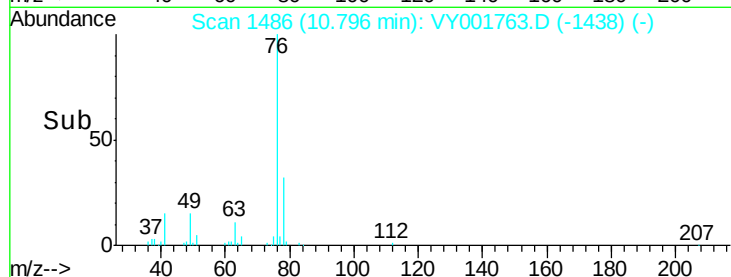
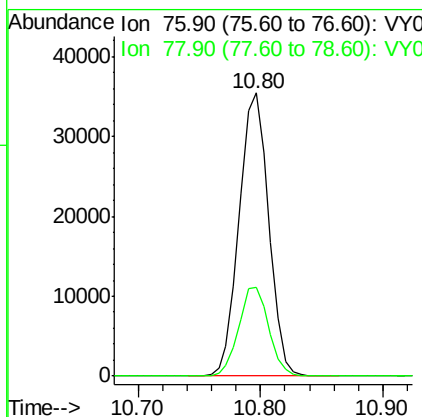
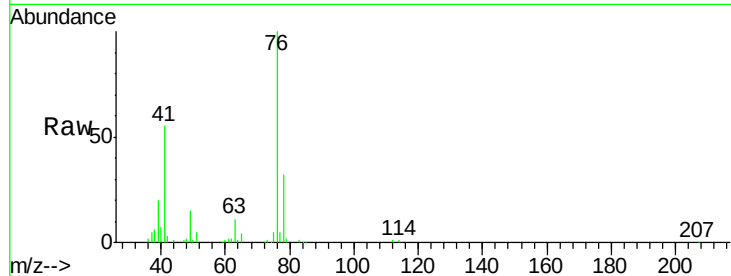
#57
 1,3-Dichloropropane
 Concen: 17.498 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion: 76 Resp: 59442
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

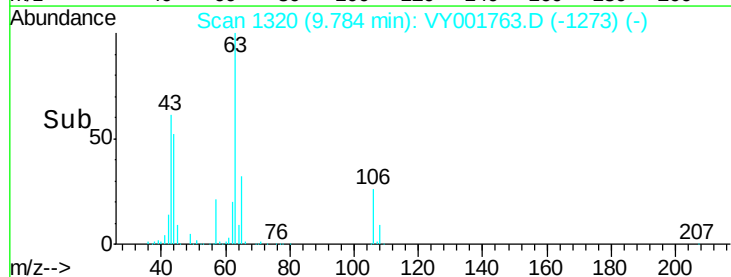
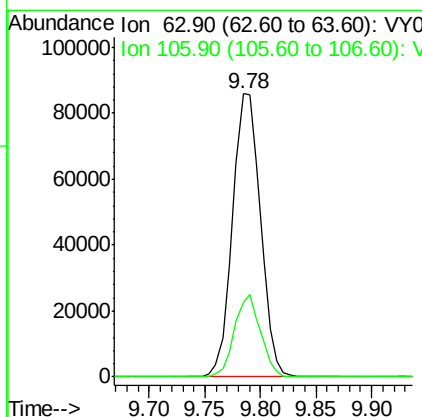
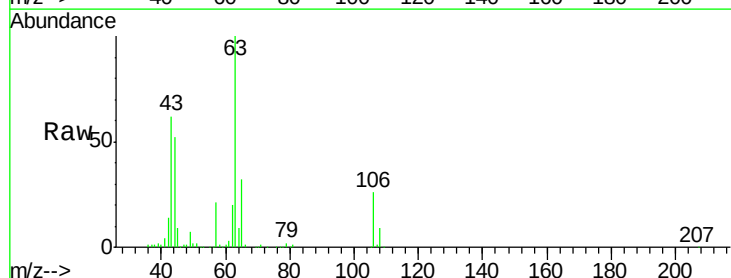
Manual Integrations
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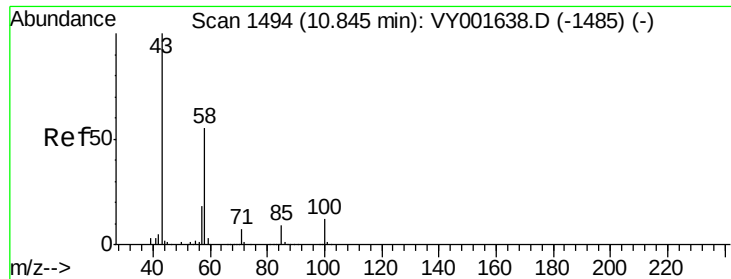
MMDadoda
 2/25/2020 10:53:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 129.272 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion: 63 Resp: 149399
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4





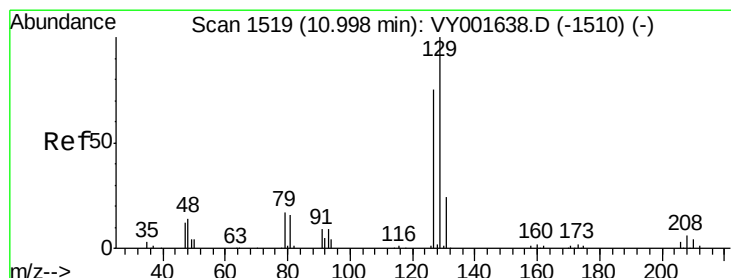
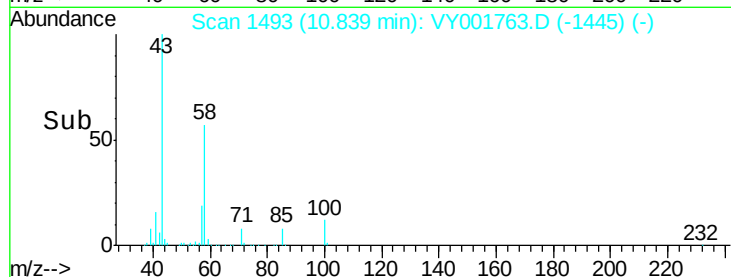
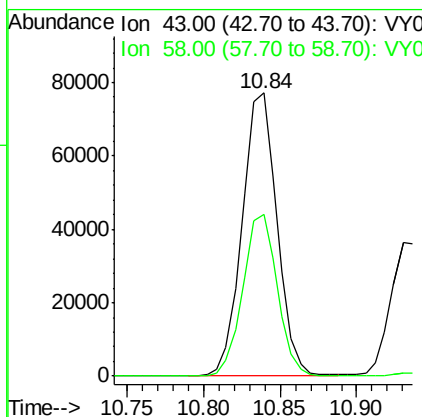
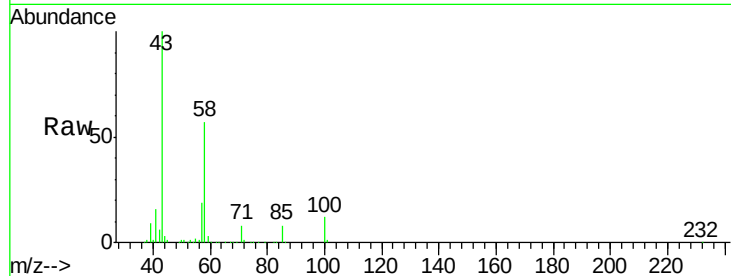
#59
2-Hexanone
Concen: 83.168 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion: 43 Resp: 122200
Ion Ratio Lower Upper
43 100
58 56.6 28.4 85.2

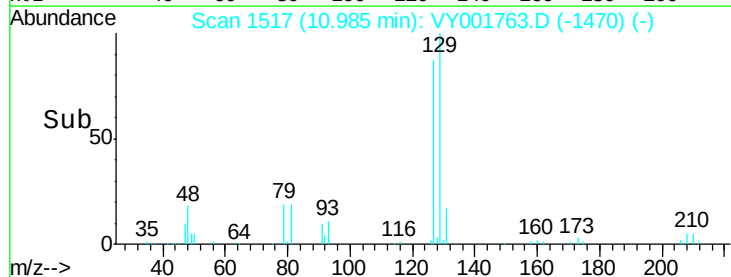
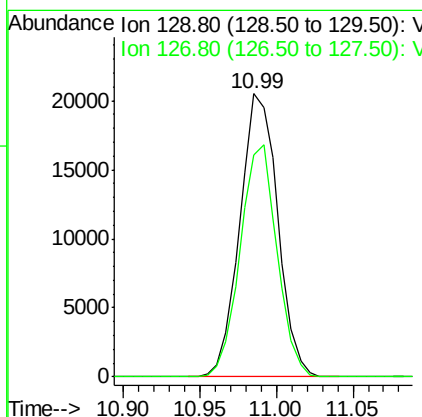
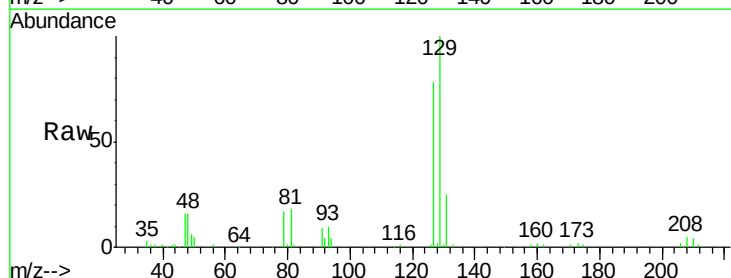
Manual Integrations
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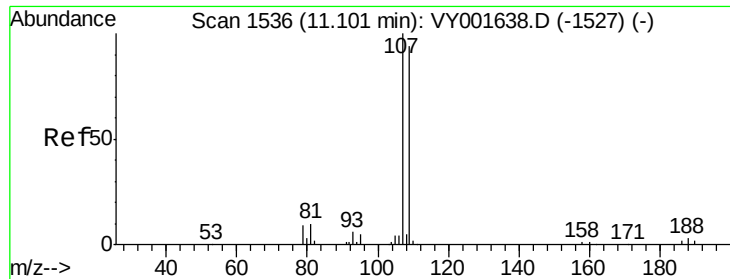
MMDadoda
2/25/2020 10:53:55 AM



#60
Dibromochloromethane
Concen: 16.701 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 129 Resp: 35204
Ion Ratio Lower Upper
129 100
127 79.9 38.9 116.6





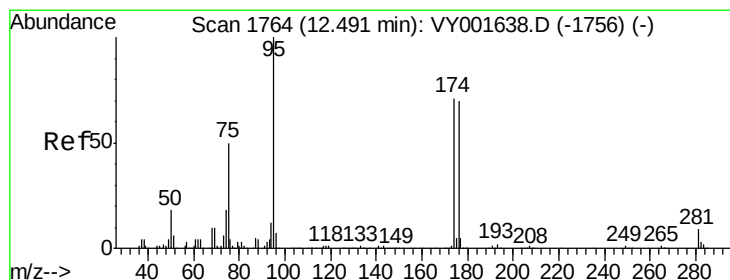
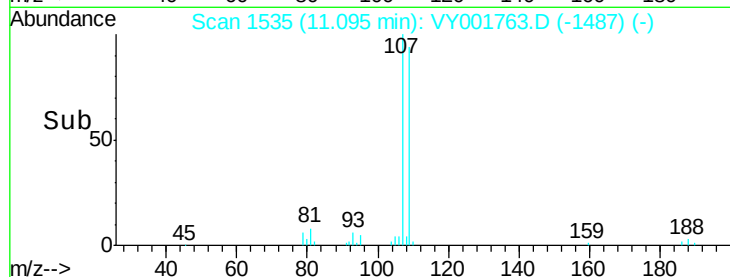
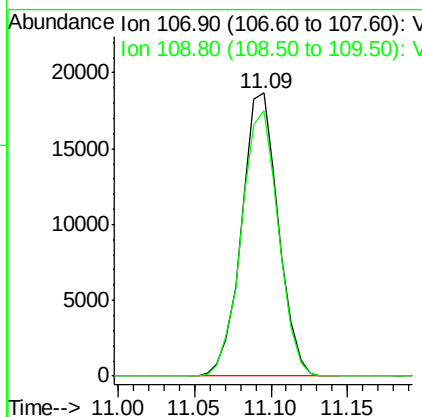
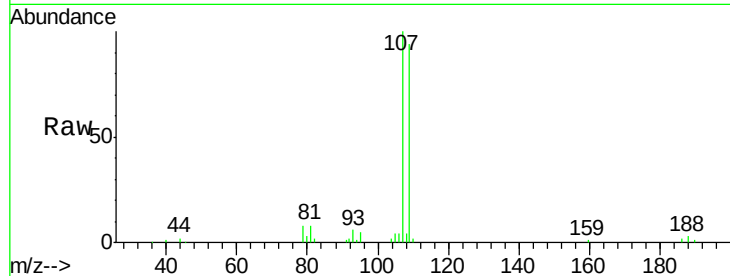
#61
 1,2-Dibromoethane
 Concen: 17.164 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.2	111.4

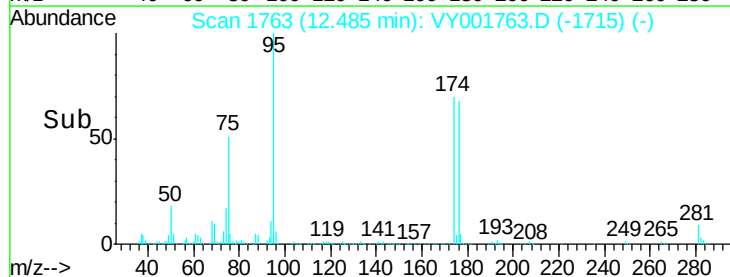
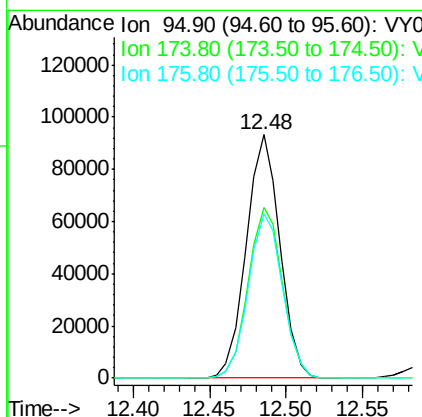
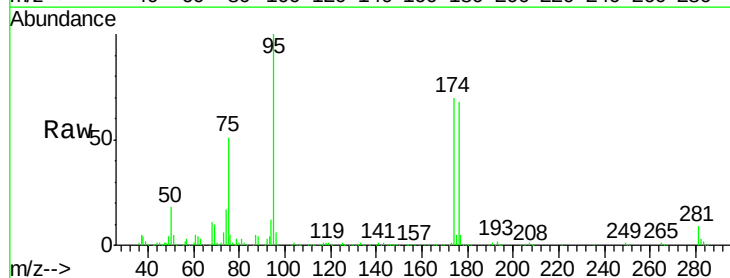
Manual Integrations
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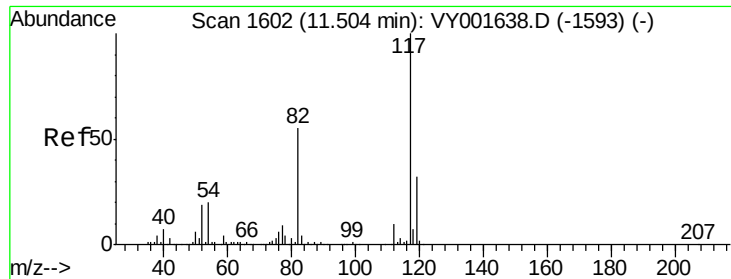
MMDadoda
 2/25/2020 10:53:55 AM



#62
 4-Bromofluorobenzene
 Concen: 46.329 ug/l
 RT: 12.48 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	138.4
176	68.9	0.0	131.8





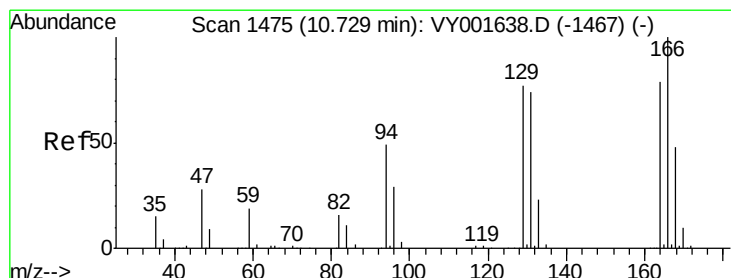
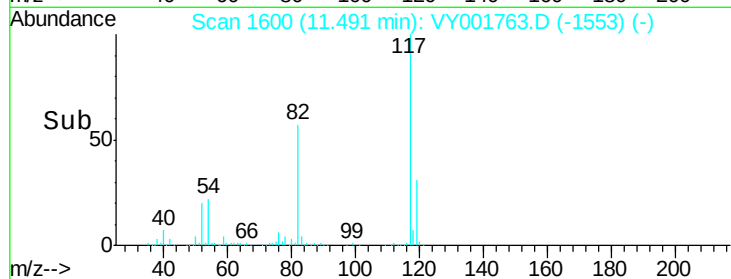
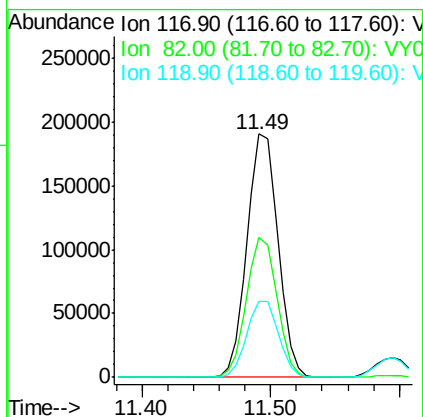
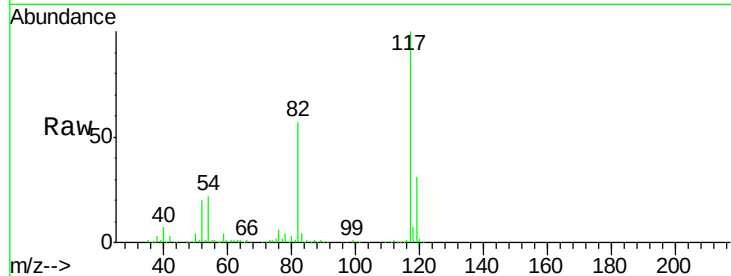
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	315854		
82	57.5		45.5	68.3
119	31.1		25.8	38.6

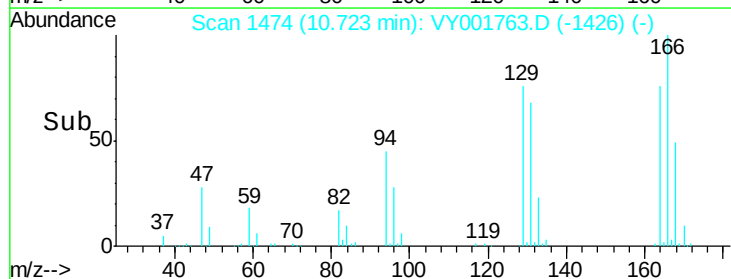
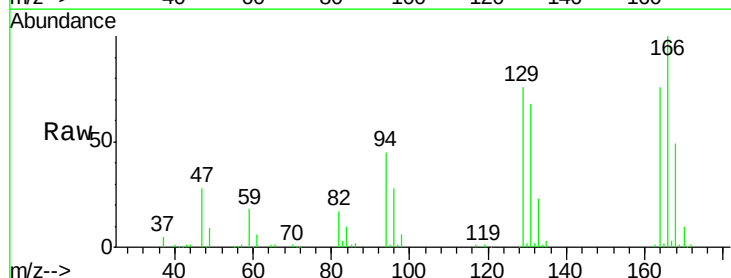
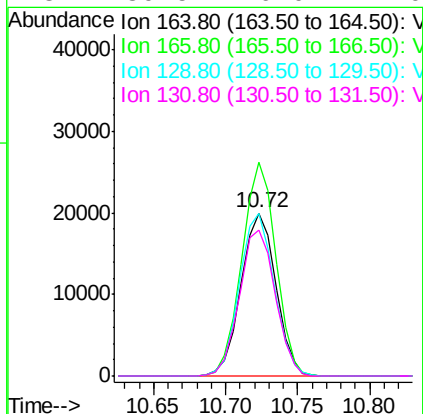
Manual Integrations
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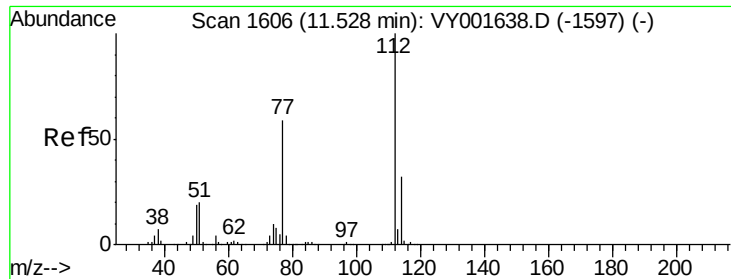
MMDadoda
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#64
Tetrachloroethene
Concen: 16.886 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33482		
166	131.3		101.4	152.0
129	100.1		78.7	118.1
131	89.5		76.0	114.0





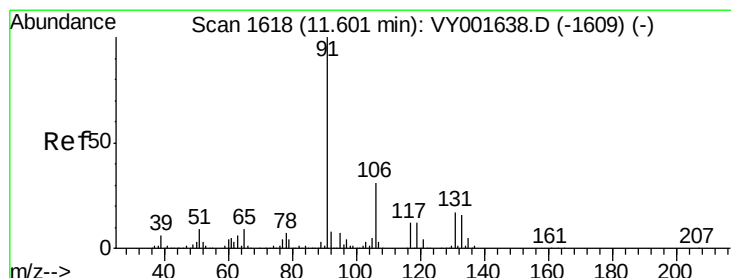
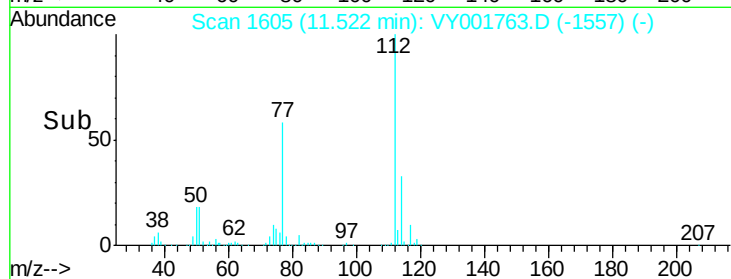
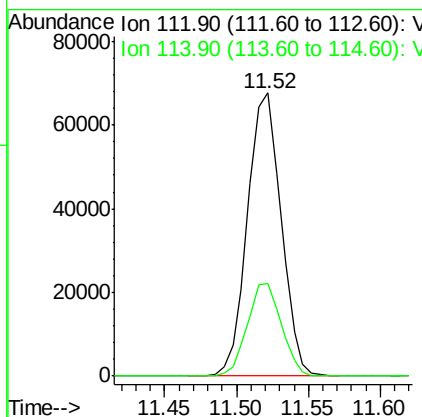
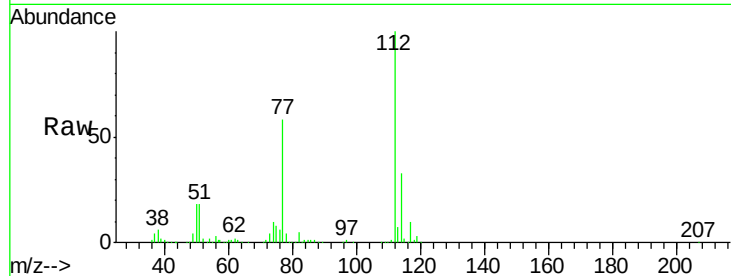
#65
Chlorobenzene
Concen: 17.321 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.2

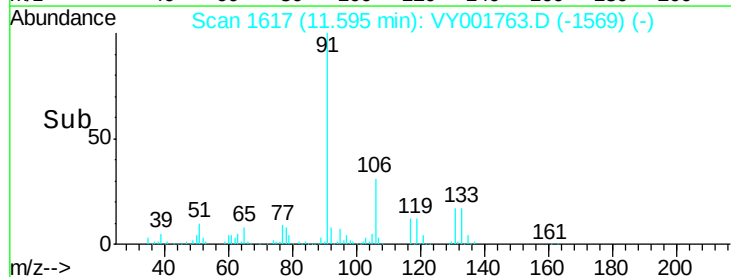
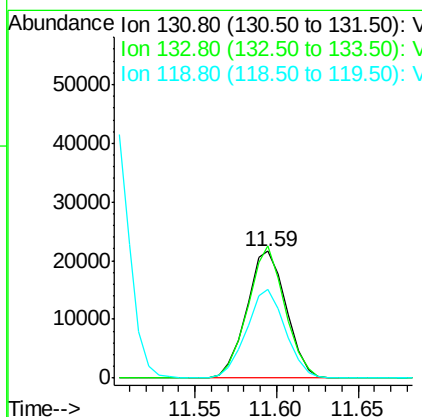
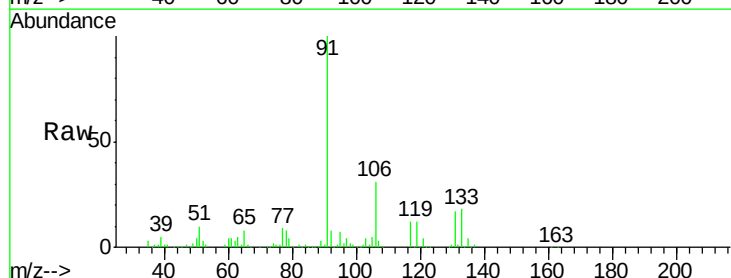
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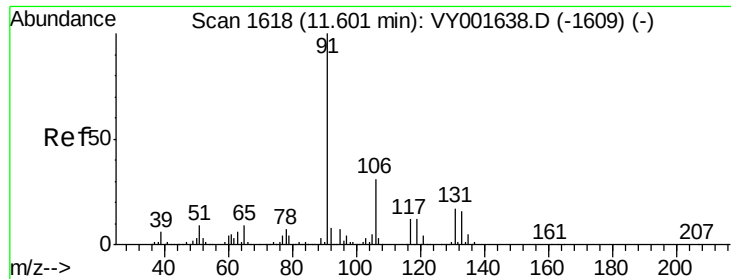
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.107 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	47.4	142.2
119	68.7	34.4	103.1





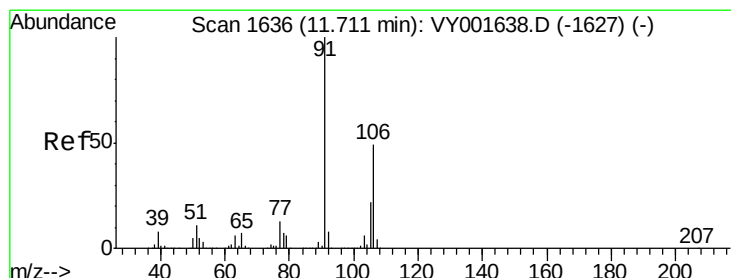
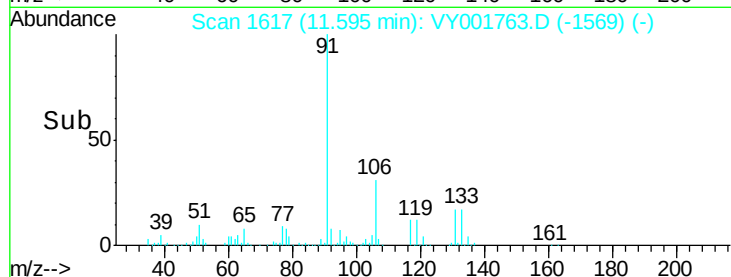
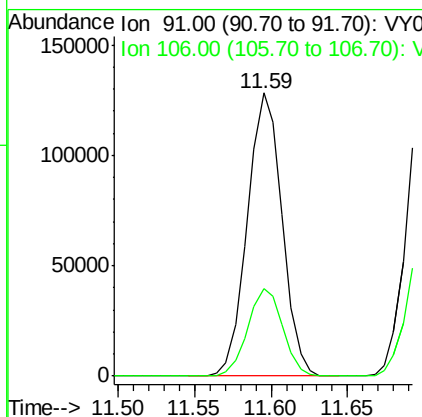
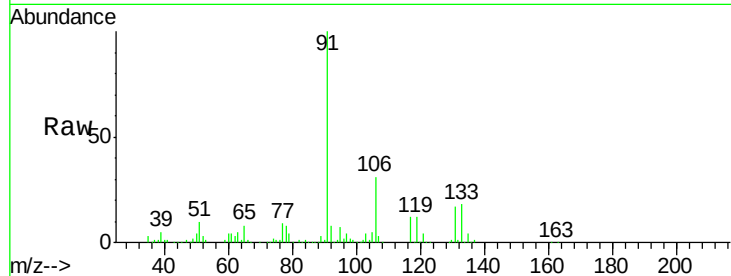
#67
Ethyl Benzene
Concen: 17.307 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion: 91 Resp: 202538
Ion Ratio Lower Upper
91 100
106 31.1 24.5 36.7

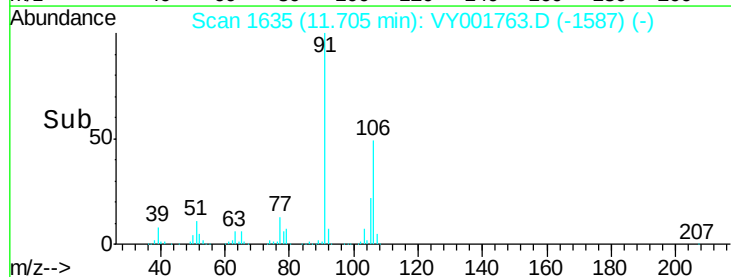
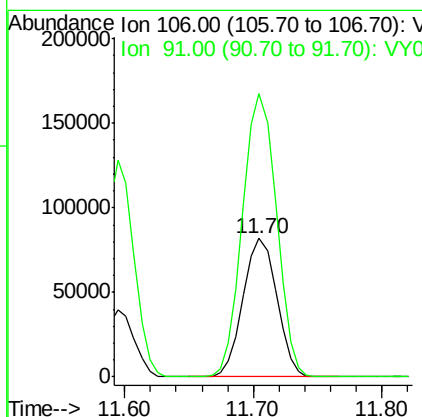
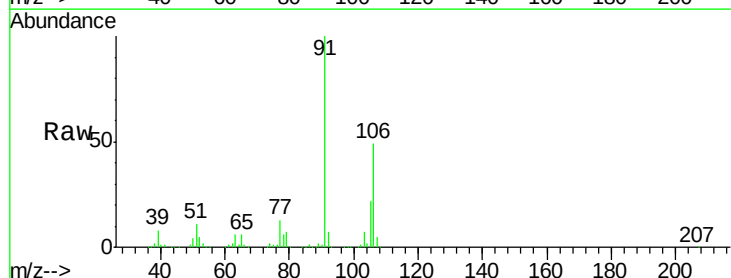
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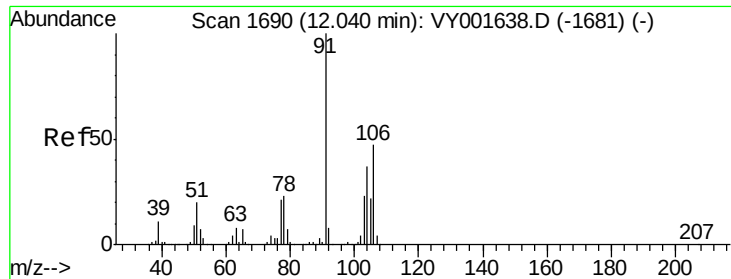
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#68
m/p-Xylenes
Concen: 34.193 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion: 106 Resp: 149470
Ion Ratio Lower Upper
106 100
91 204.9 163.3 244.9





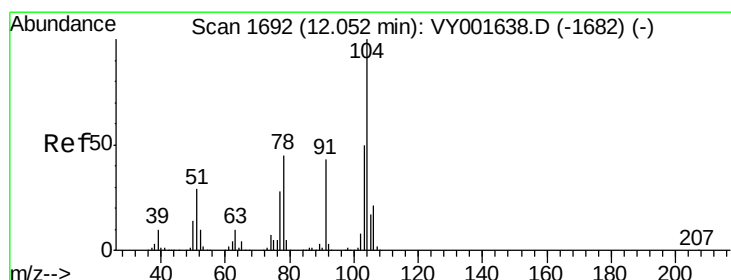
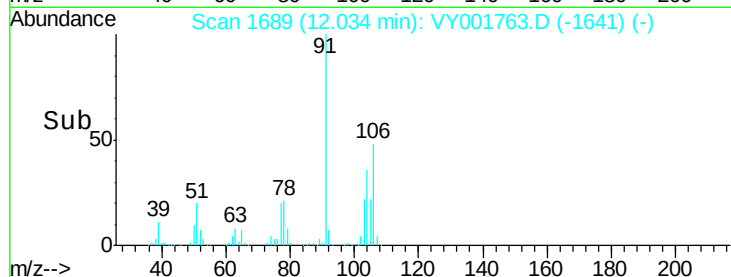
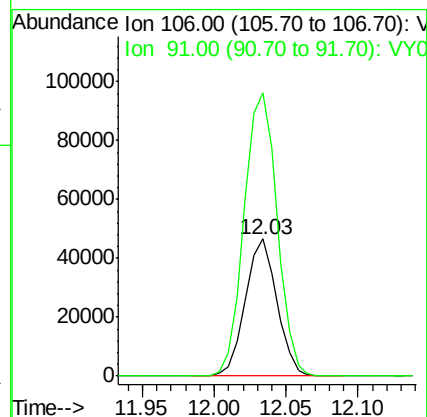
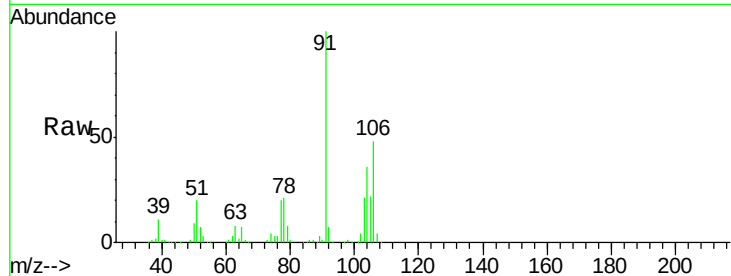
#69
o-Xylene
Concen: 17.010 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion:106 Resp: 70692
Ion Ratio Lower Upper
106 100
91 215.8 108.3 324.9

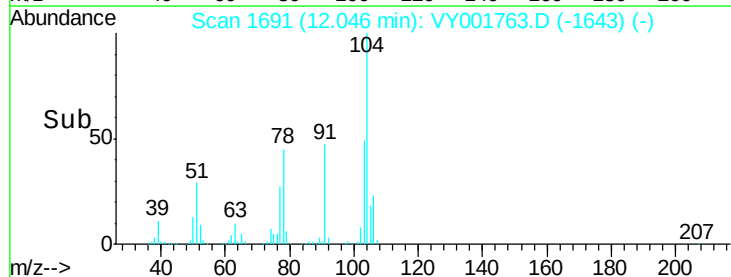
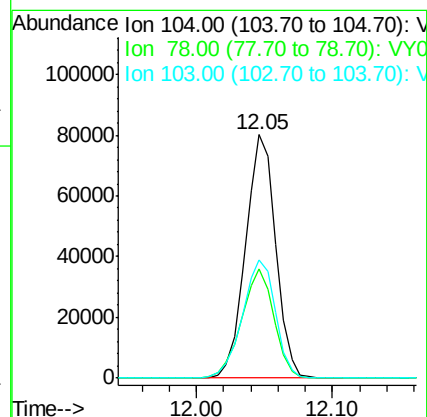
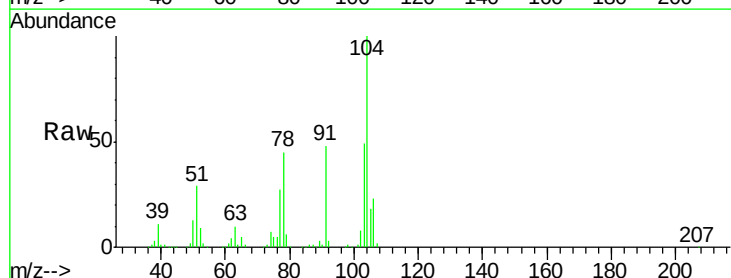
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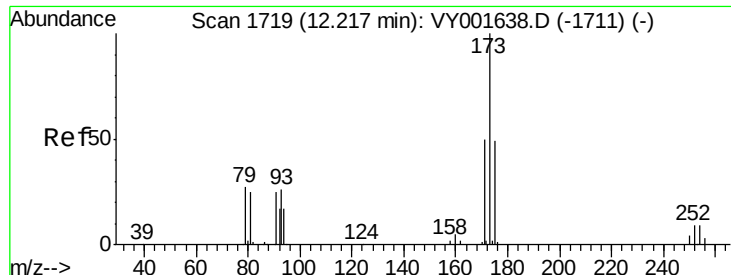
MMDadoda
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#70
Styrene
Concen: 17.223 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion:104 Resp: 124397
Ion Ratio Lower Upper
104 100
78 48.0 39.2 58.8
103 53.1 43.0 64.6





#71

Bromoform

Concen: 16.317 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:173 Resp: 19836

Ion Ratio Lower Upper

173 100

175 50.5 24.3 73.0

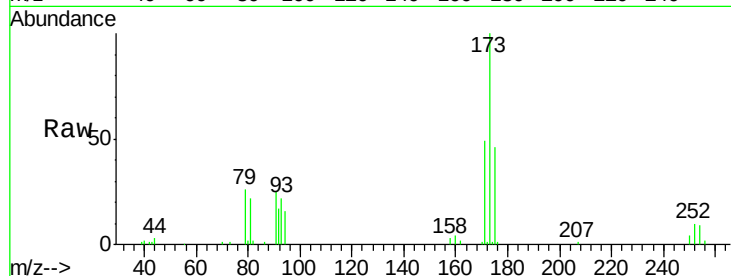
254 0.0 0.1 0.1#

Manual Integrations

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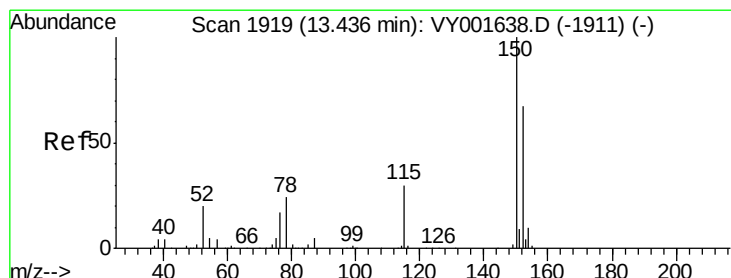
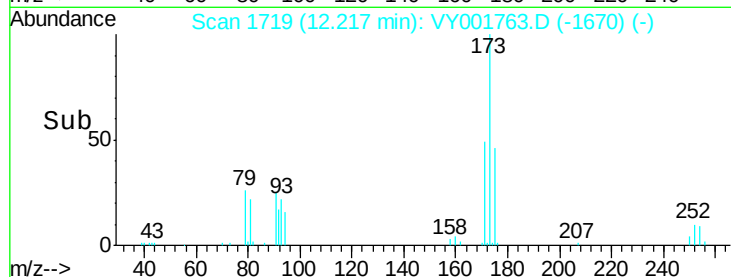
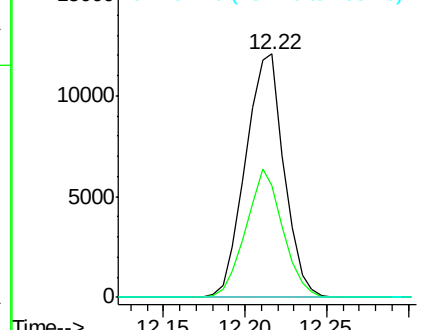
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

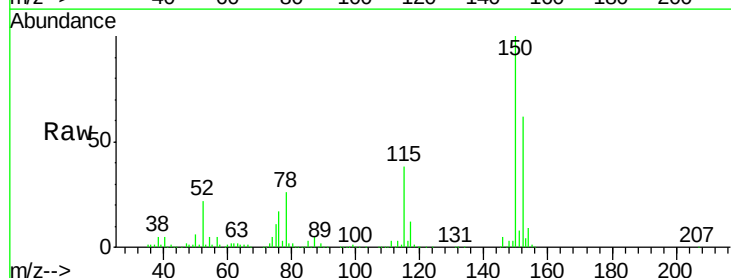
Tgt Ion:152 Resp: 146383

Ion Ratio Lower Upper

152 100

115 61.5 31.4 94.2

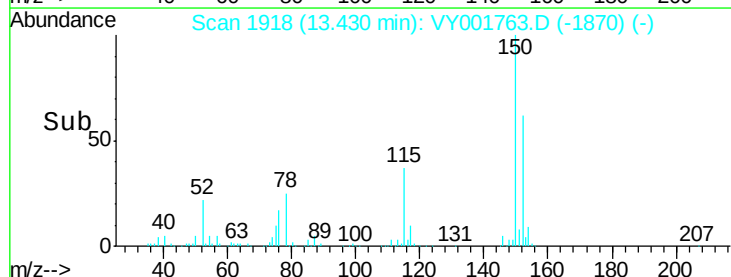
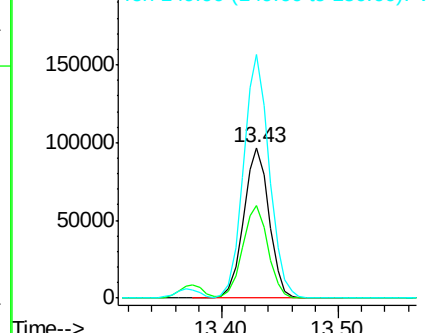
150 165.5 0.0 407.2

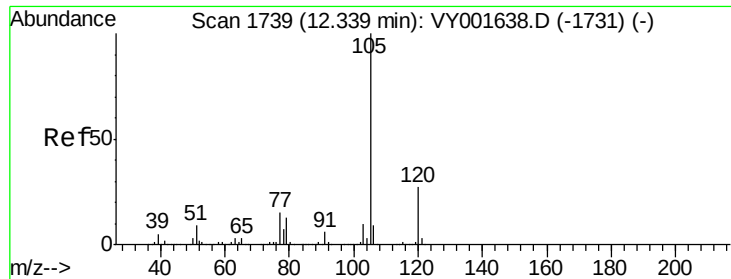


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.176 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:105 Resp: 191539

Ion Ratio Lower Upper

105 100

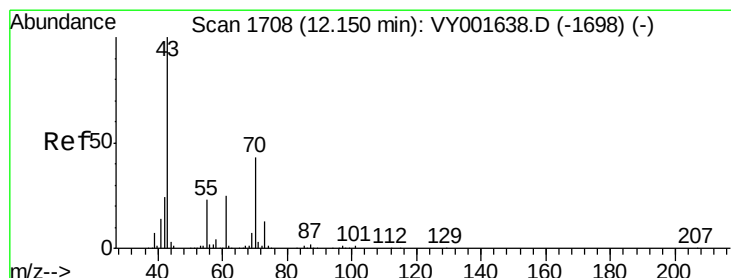
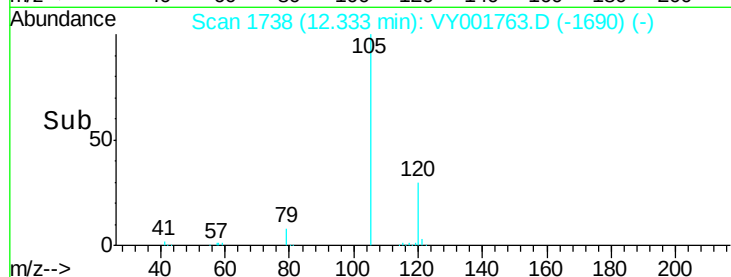
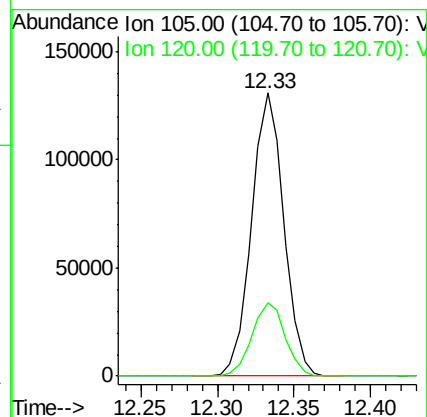
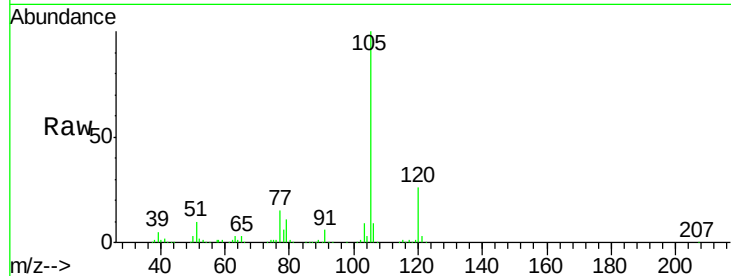
120 26.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 17.122 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion: 43 Resp: 60936

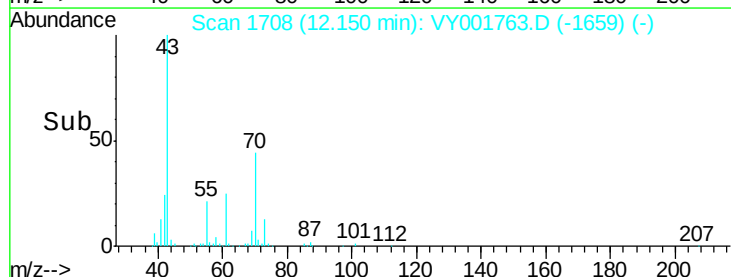
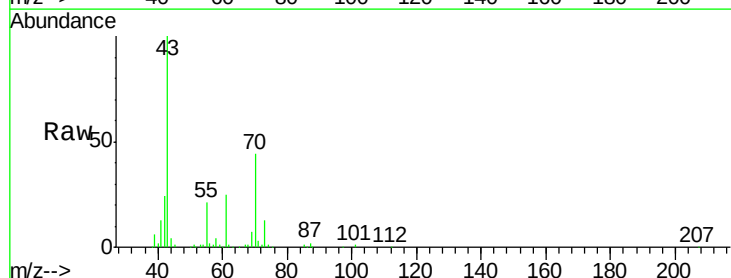
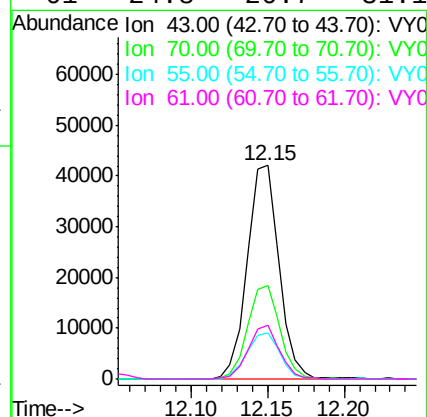
Ion Ratio Lower Upper

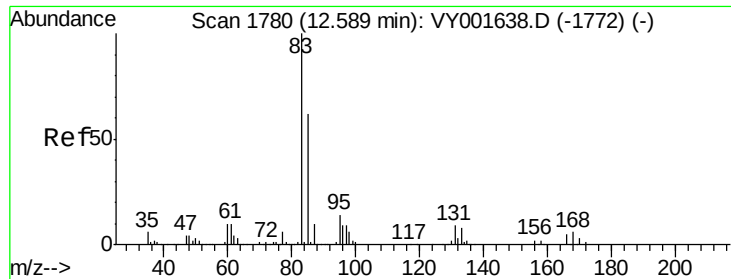
43 100

70 44.5 35.9 53.9

55 22.5 18.3 27.5

61 24.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.652 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

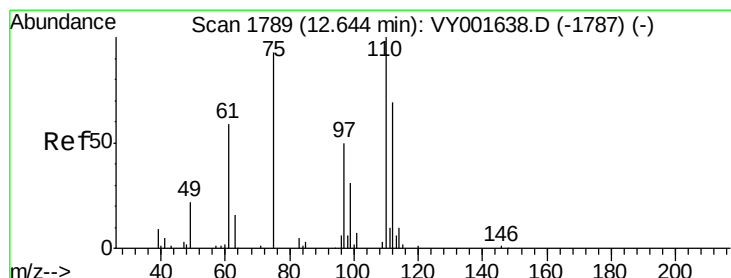
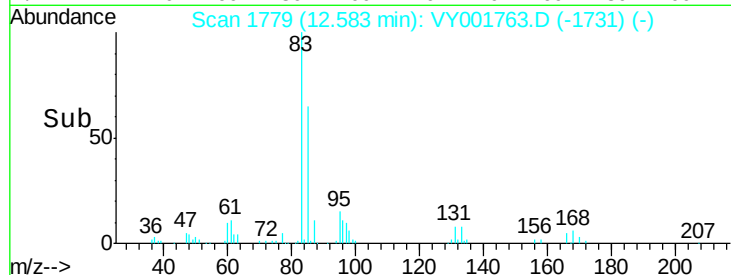
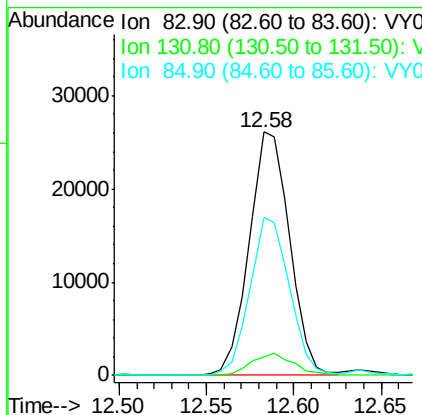
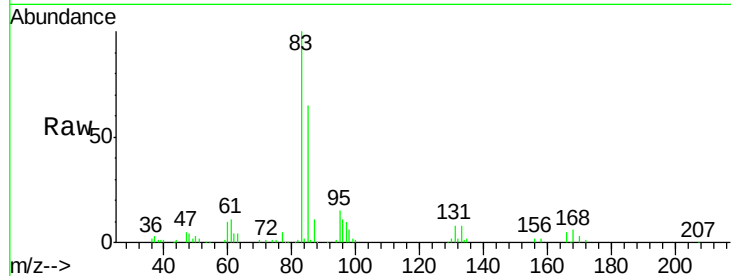
ClientSampleId :

VY0224SBS01

Tot Ion:	83	Resp:	42031
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.5	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 16.920 ug/l m

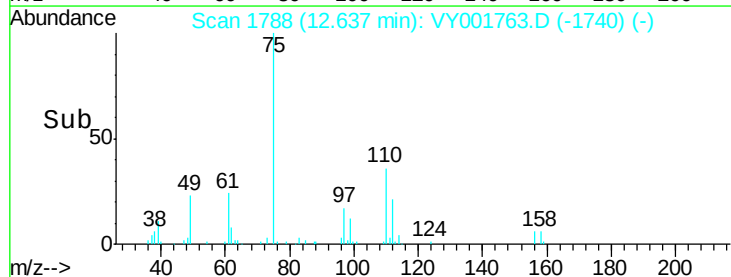
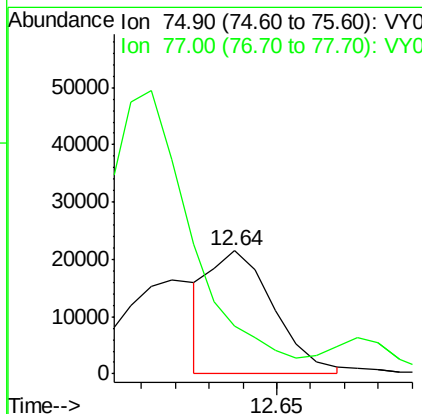
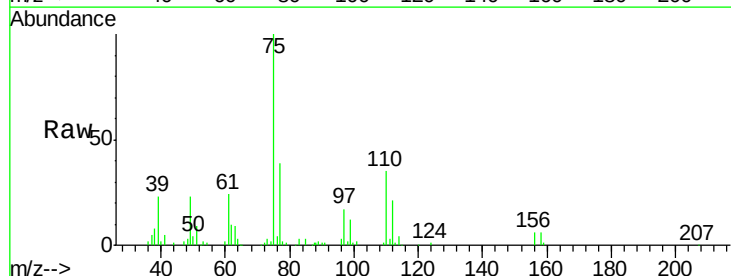
RT: 12.64 min Scan# 1788

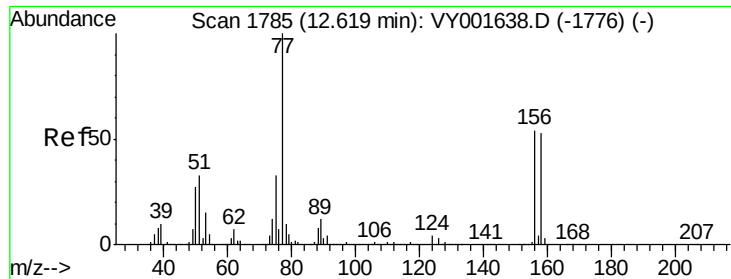
Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion:	75	Resp:	28412
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.156 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

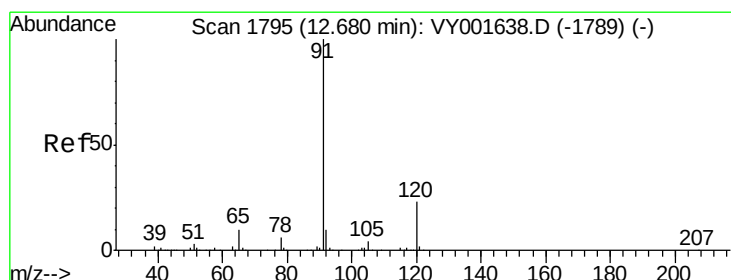
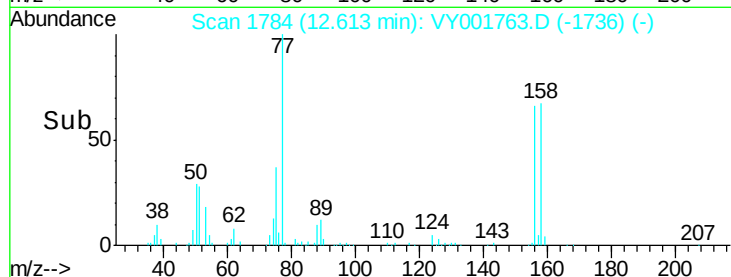
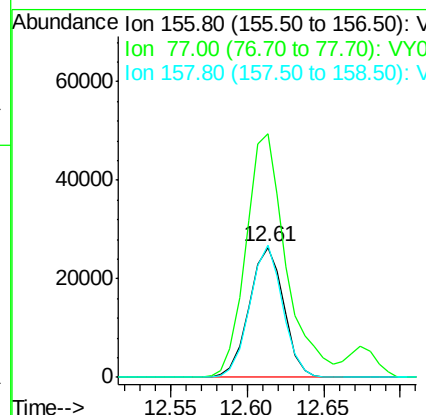
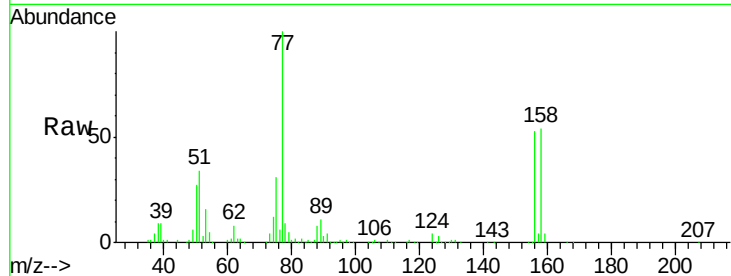
ClientSampleId :

VY0224SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	217.0	110.1	330.1	
158	96.6	47.9	143.7	

Manual Integrations
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#78

n-propylbenzene

Concen: 17.616 ug/l

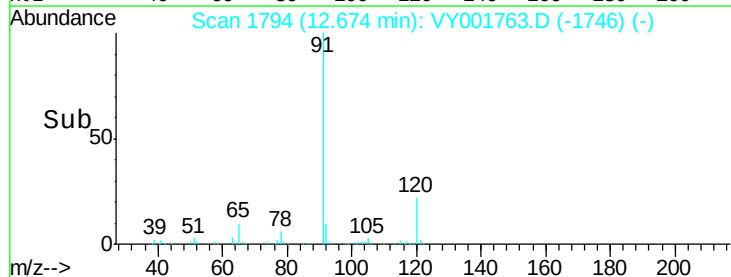
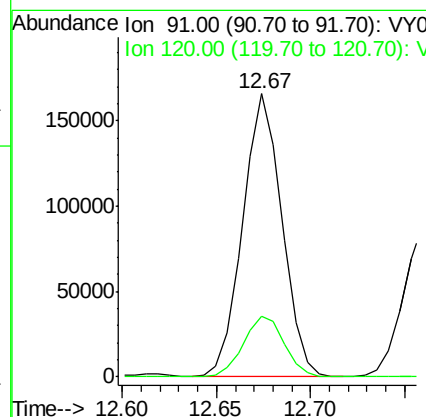
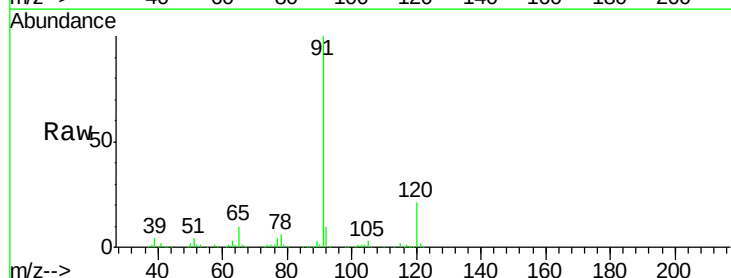
RT: 12.67 min Scan# 1794

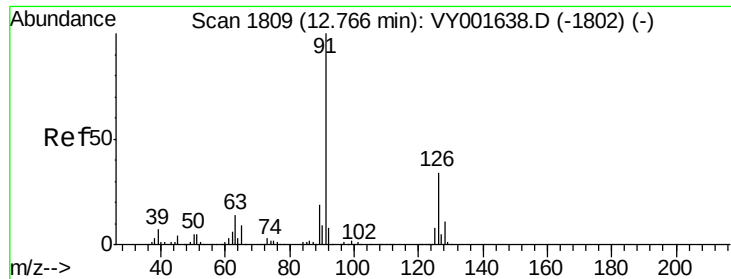
Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.1	33.1	





#79

2-Chlorotoluene

Concen: 17.202 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion: 91 Resp: 131038

Ion Ratio Lower Upper

91 100

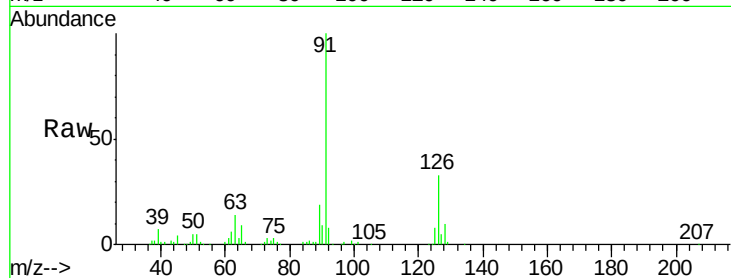
126 33.4 16.2 48.6

Manual Integrations

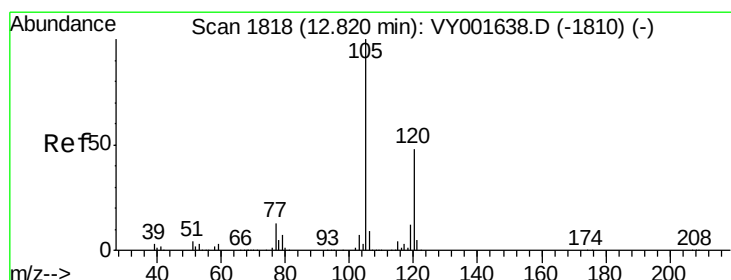
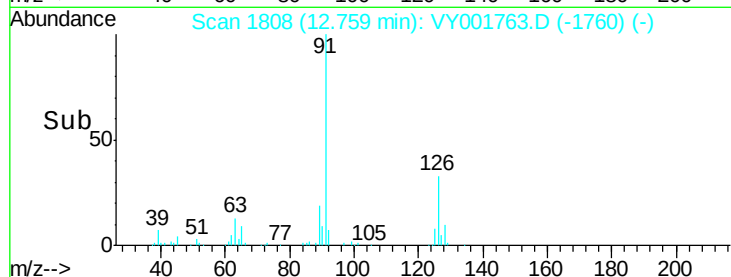
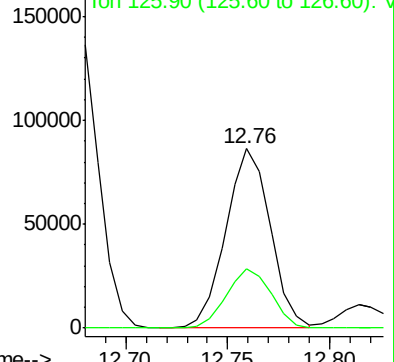
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Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.344 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001763.D

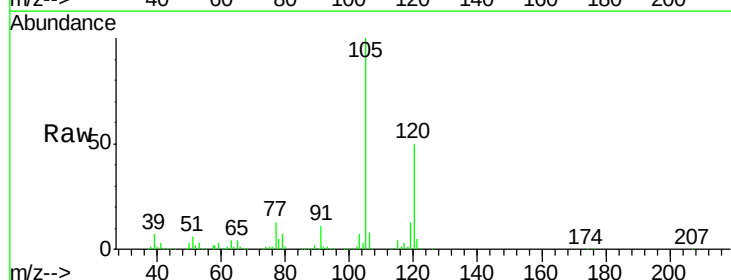
Acq: 24 Feb 2020 11:27

Tgt Ion: 105 Resp: 160104

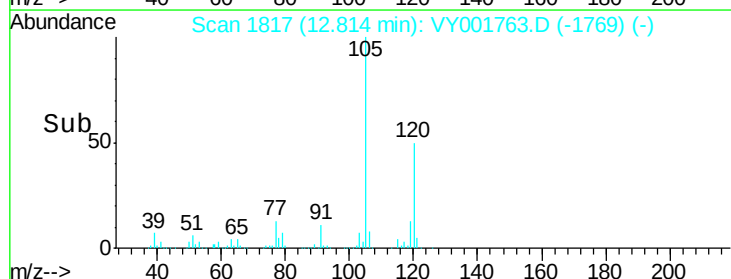
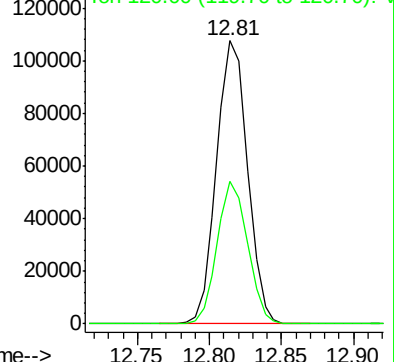
Ion Ratio Lower Upper

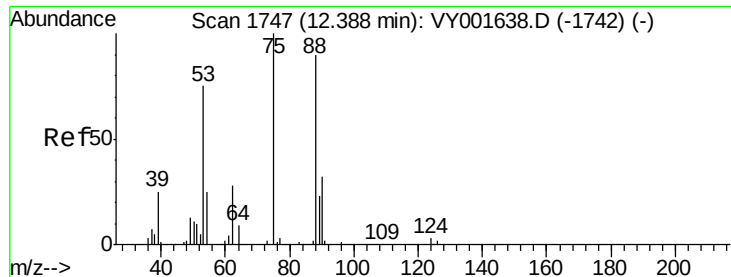
105 100

120 49.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.493 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

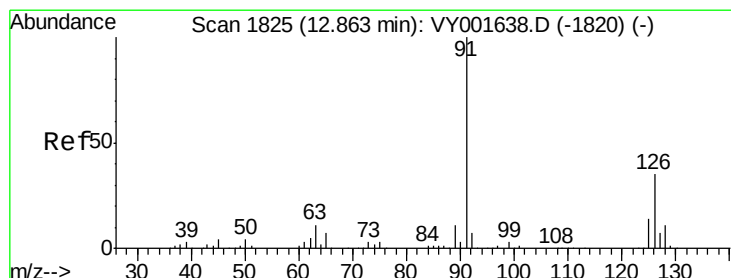
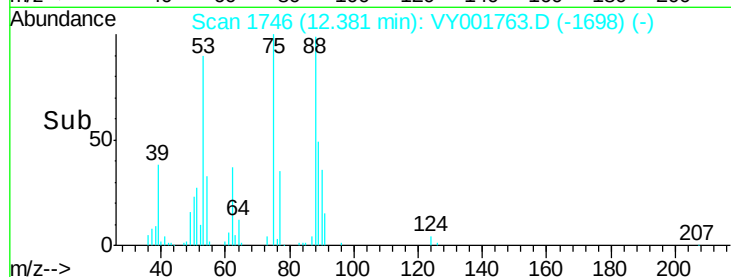
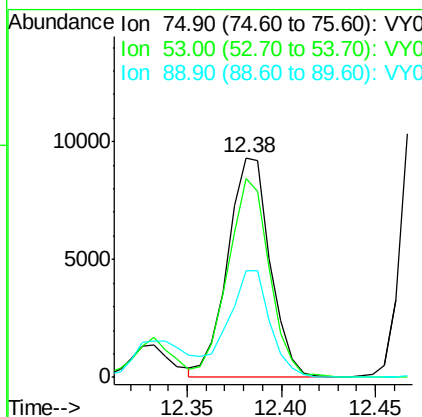
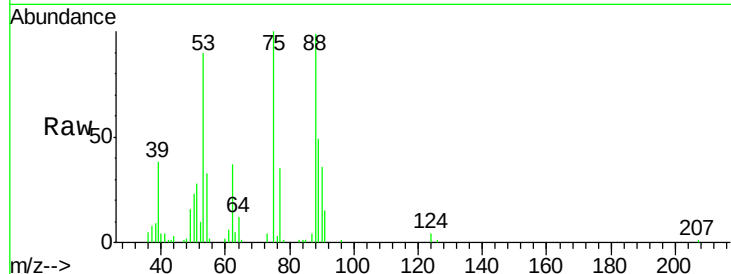
ClientSampleId :

VY0224SBS01

Tot Ion:	75	Resp:	14598
Ion Ratio	Lower	Upper	
75	100		
53	88.8	64.5	96.7
89	47.5	36.3	54.5

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#82

4-Chlorotoluene

Concen: 17.165 ug/l

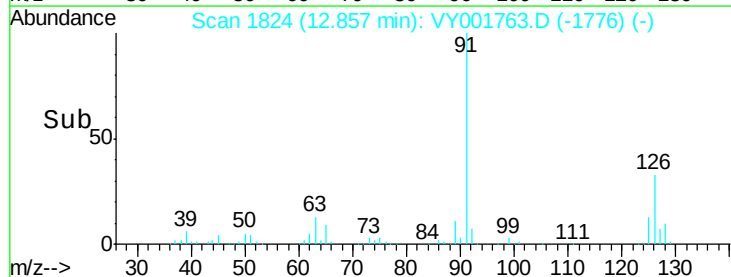
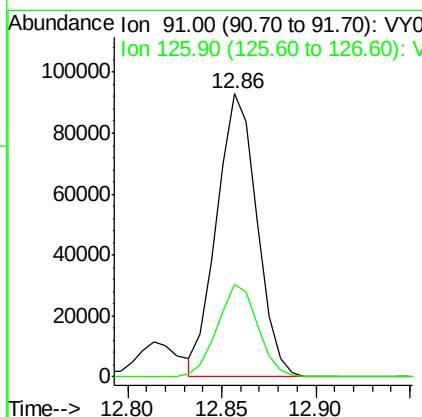
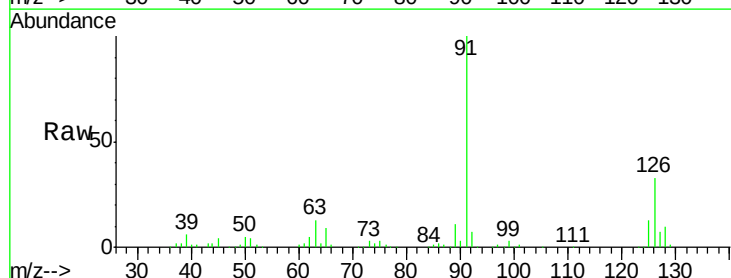
RT: 12.86 min Scan# 1824

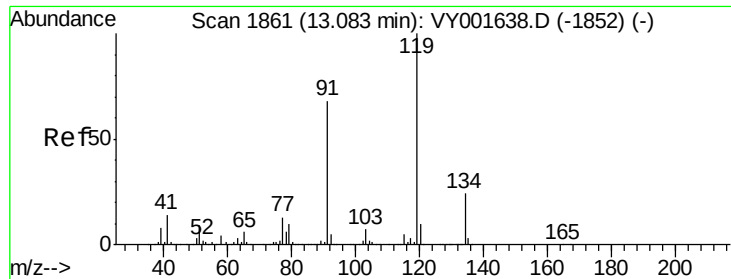
Delta R.T. -0.01 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Tgt Ion:	91	Resp:	137909
Ion Ratio	Lower	Upper	
91	100		
126	32.8	16.2	48.6





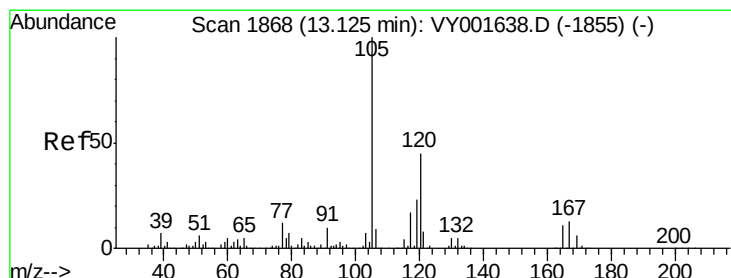
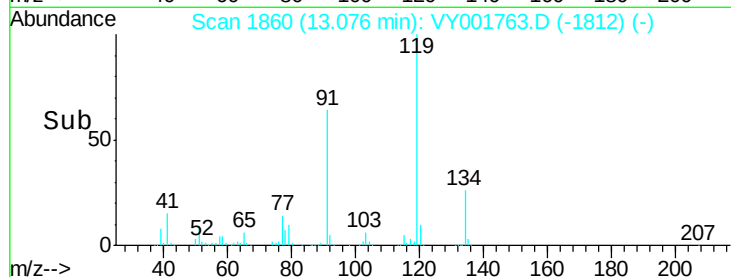
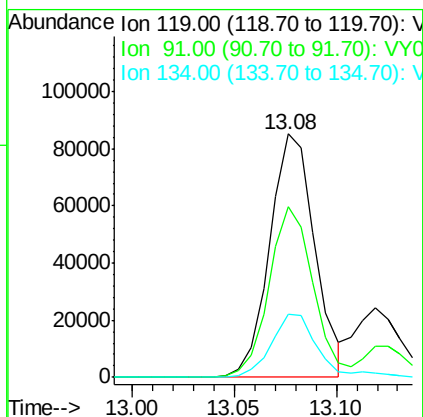
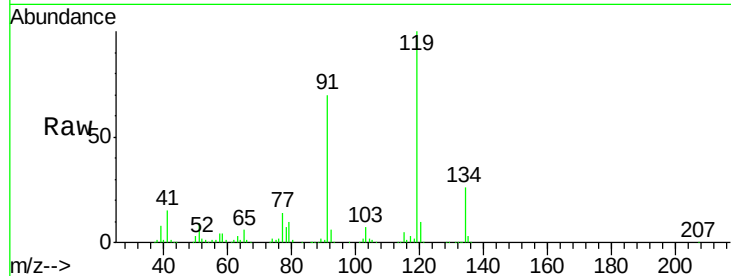
#83
 tert-Butylbenzene
 Concen: 16.999 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	131247		
91	68.6	33.5	100.5	
134	27.1	13.3	39.8	

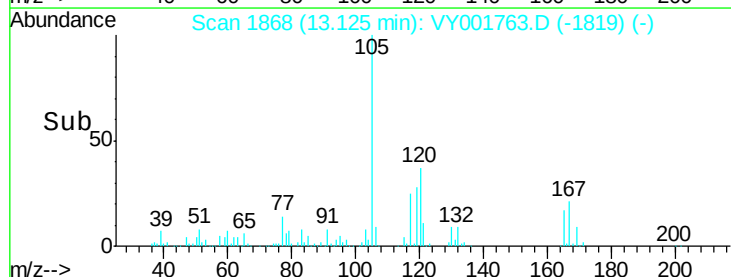
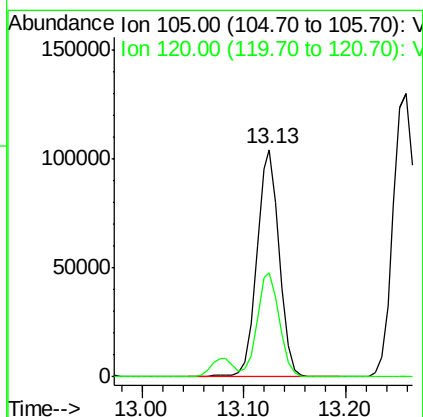
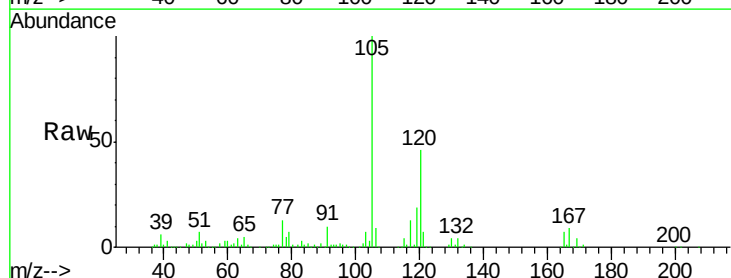
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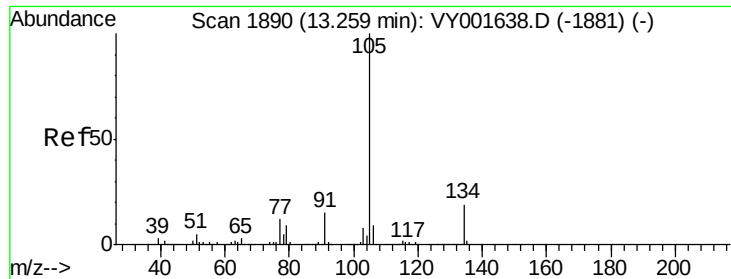
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.268 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158916		
120	45.7	22.4	67.3	





#85

sec-Butylbenzene

Concen: 17.442 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

Instrument :

MSVOA_Y

ClientSampleId :

VY0224SBS01

Tot Ion:105 Resp: 198057

Ion Ratio Lower Upper

105 100

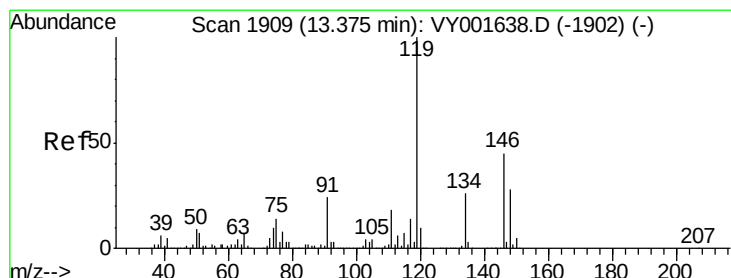
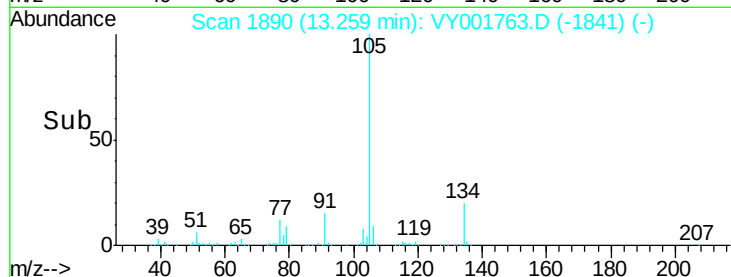
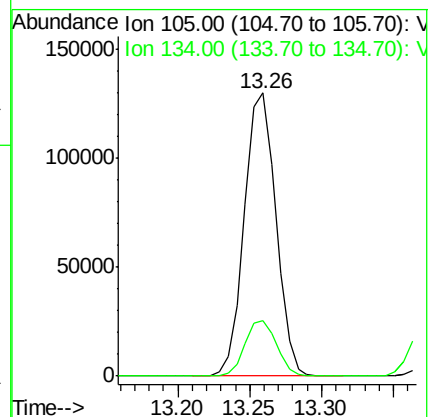
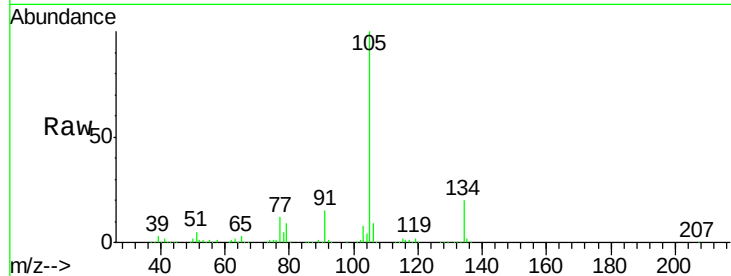
134 19.6 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 17.607 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001763.D

Acq: 24 Feb 2020 11:27

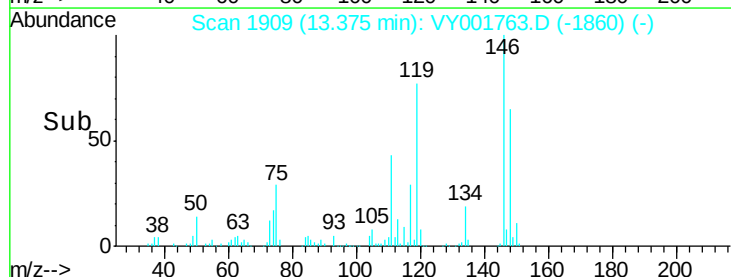
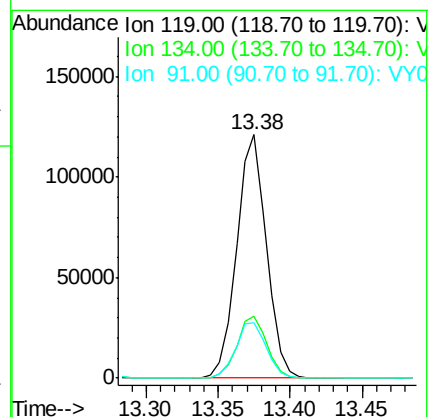
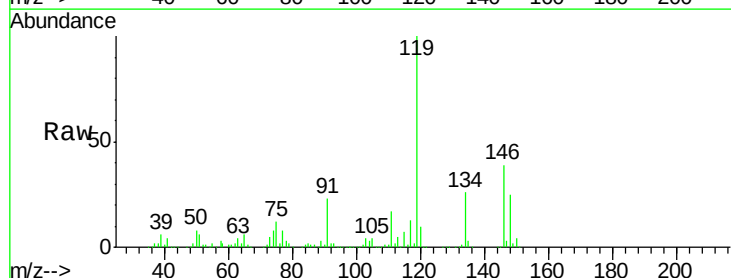
Tgt Ion:119 Resp: 173681

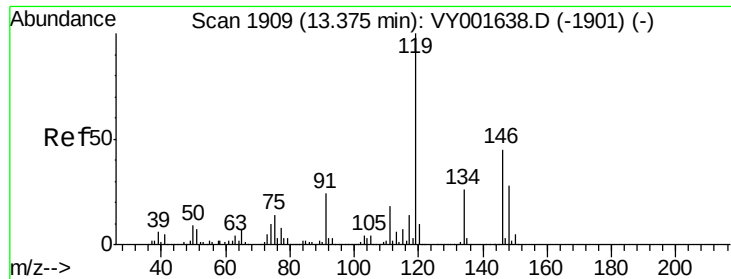
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 23.6 12.2 36.6





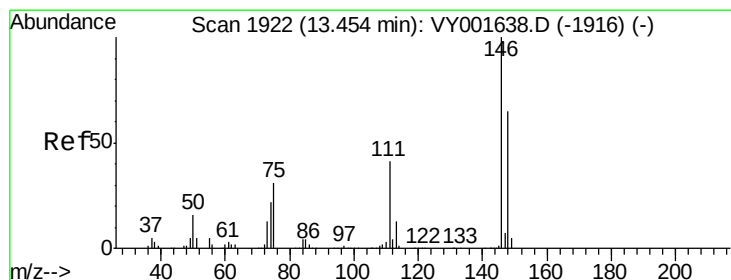
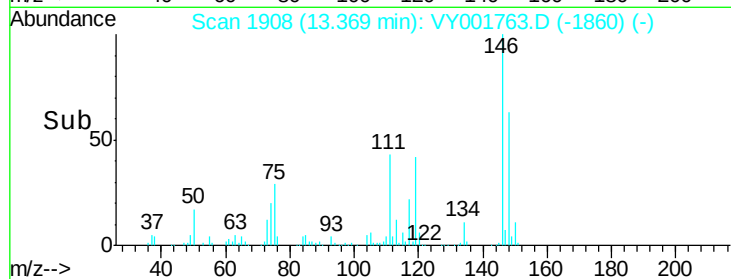
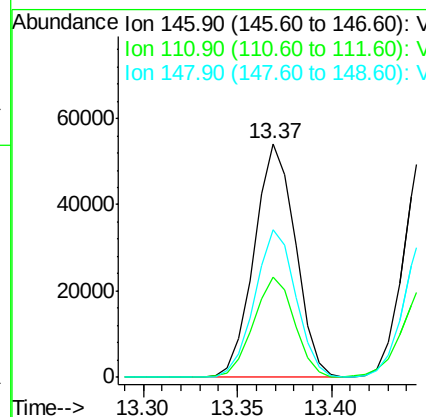
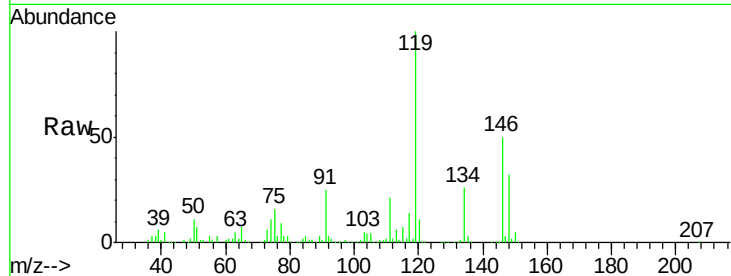
#87
 1,3-Dichlorobenzene
 Concen: 17.520 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	62.9	31.6	94.7

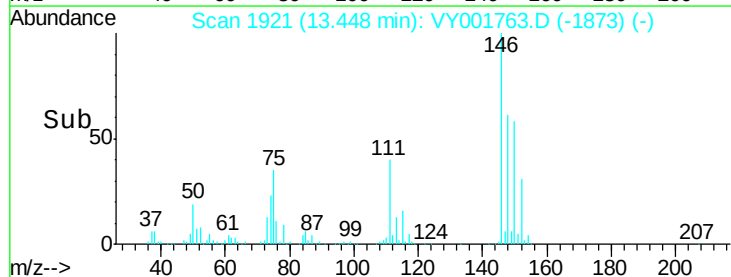
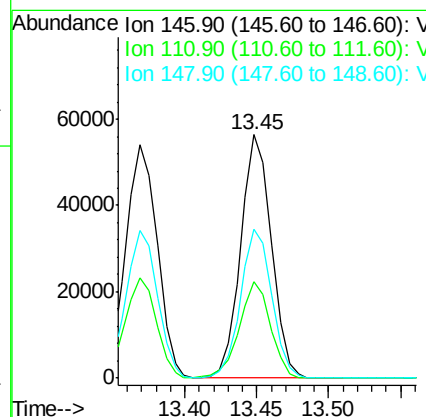
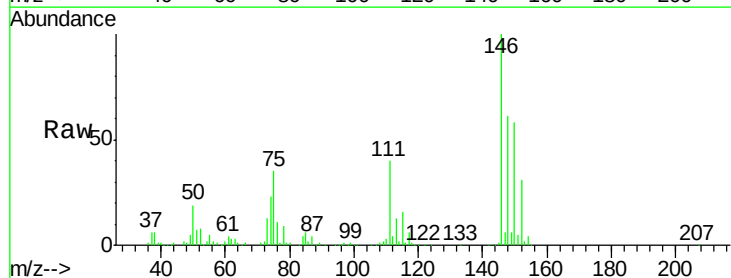
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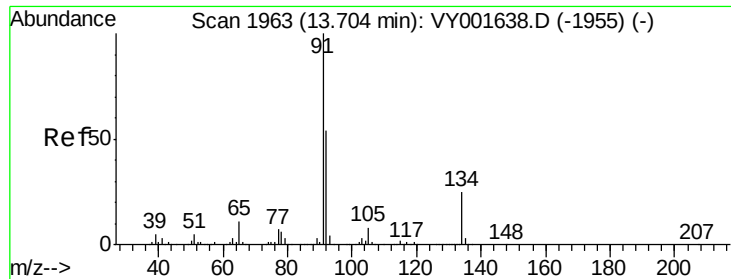
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#88
 1,4-Dichlorobenzene
 Concen: 17.665 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	62.0	31.6	94.7





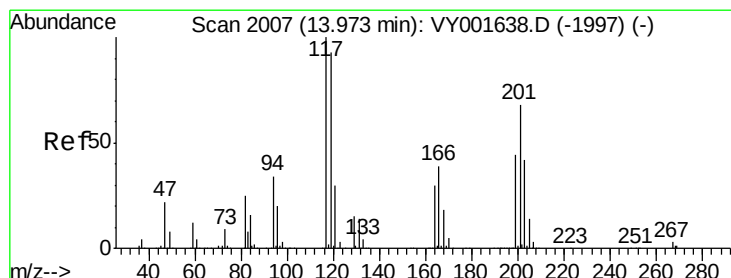
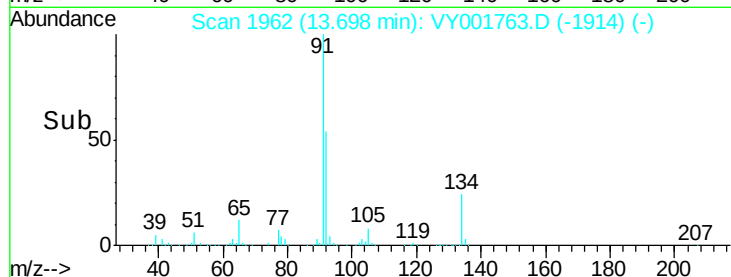
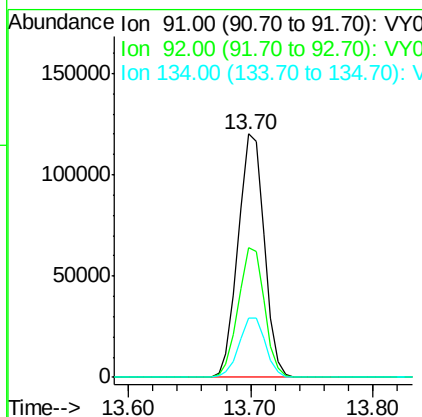
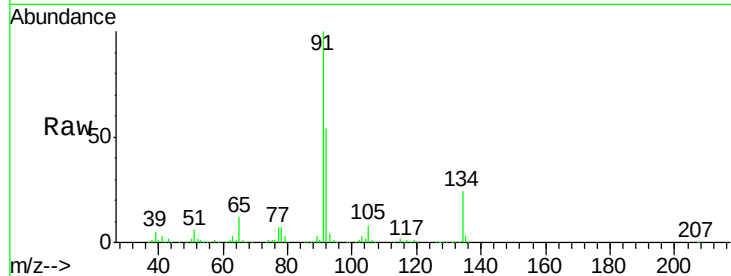
#89
n-Butylbenzene
Concen: 17.636 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.5	82.4
134	24.4	12.4	37.4

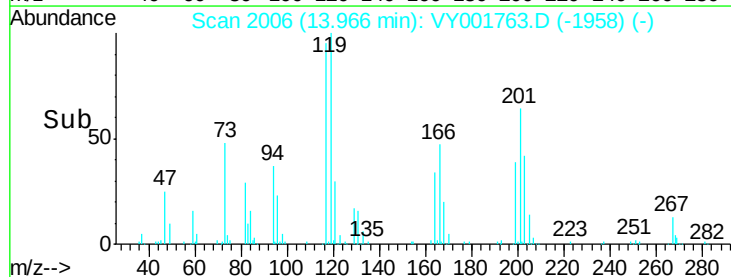
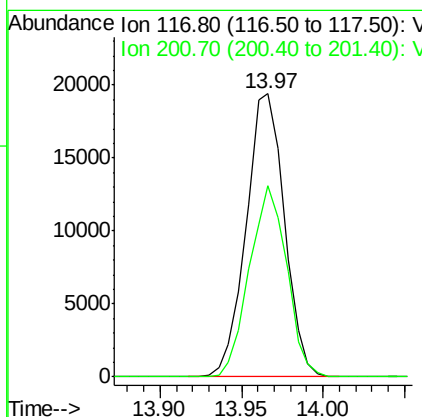
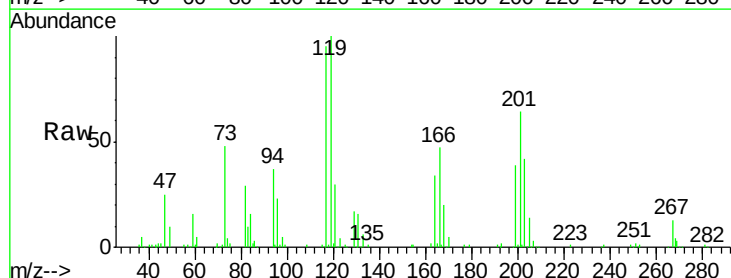
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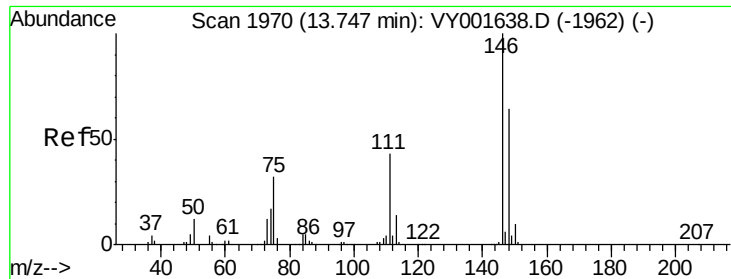
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#90
Hexachloroethane
Concen: 17.108 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.4	32.5	97.4





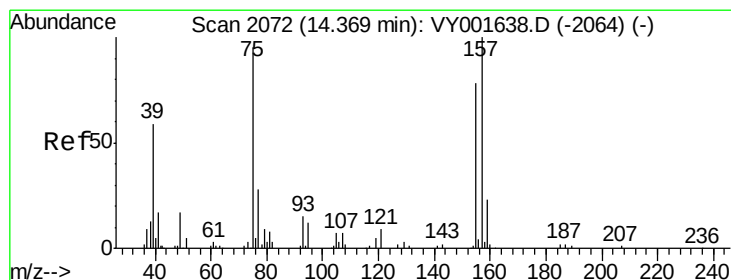
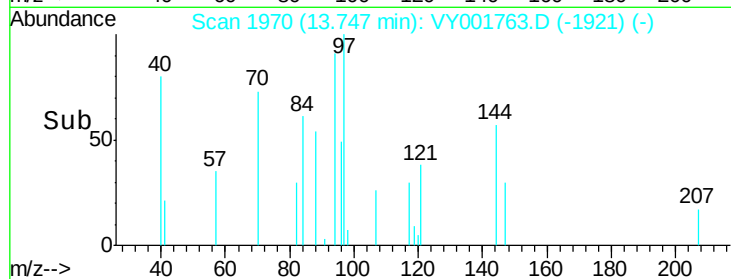
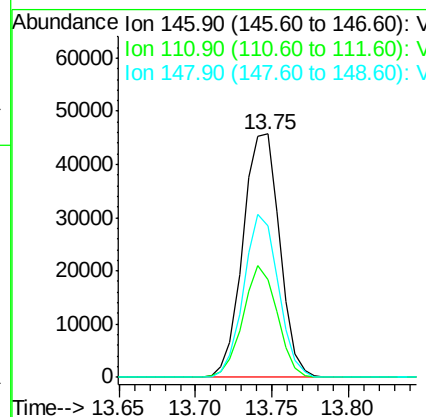
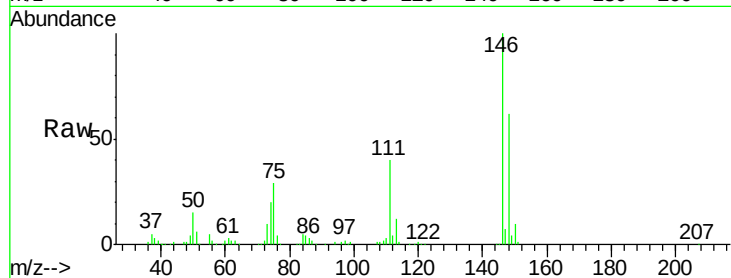
#91
 1,2-Dichlorobenzene
 Concen: 17.570 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	63.4	31.5	94.5

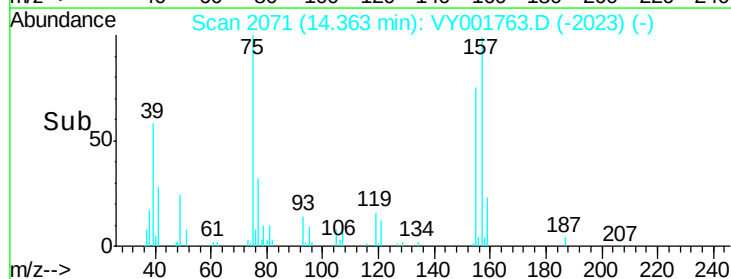
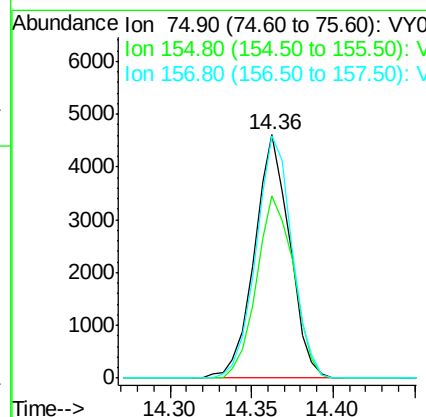
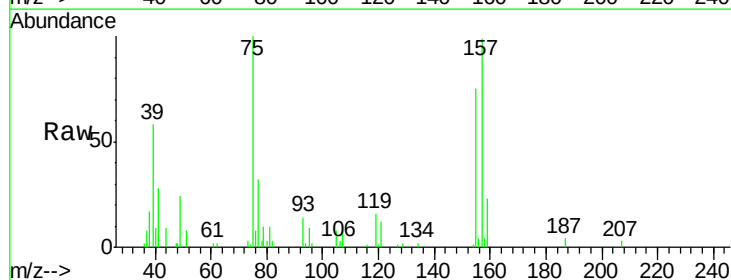
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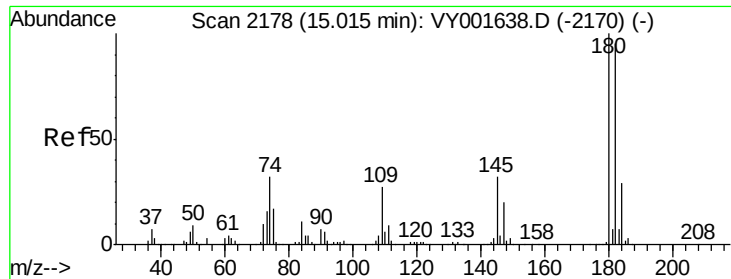
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.594 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.8	122.4
157	101.4	52.1	156.4





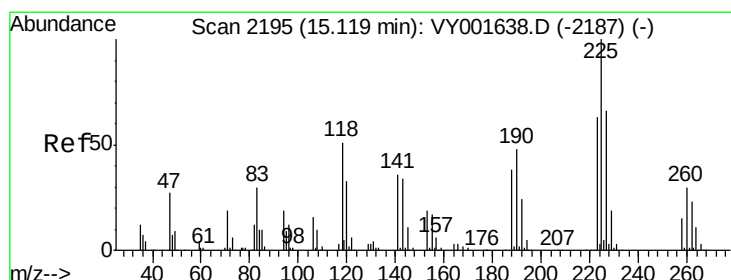
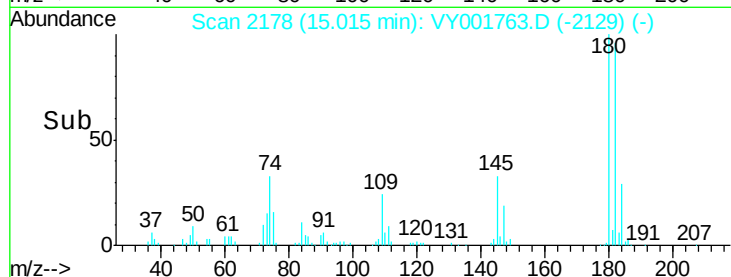
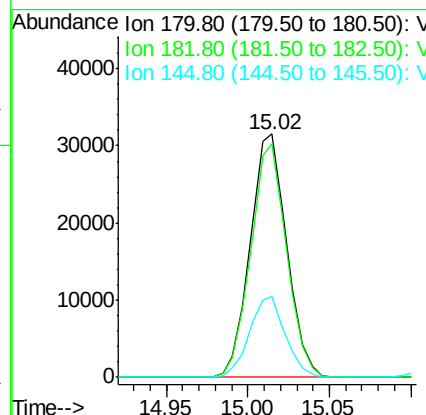
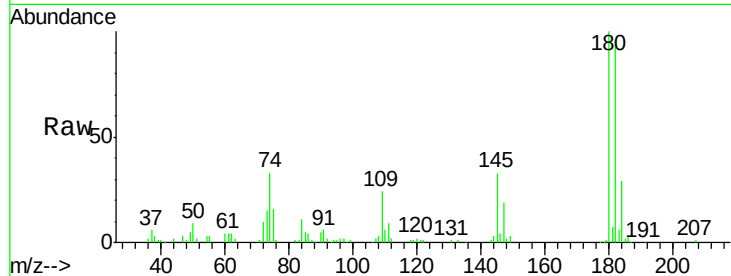
#93
 1,2,4-Trichlorobenzene
 Concen: 17.087 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0224SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.8	140.3
145	32.7	16.2	48.5

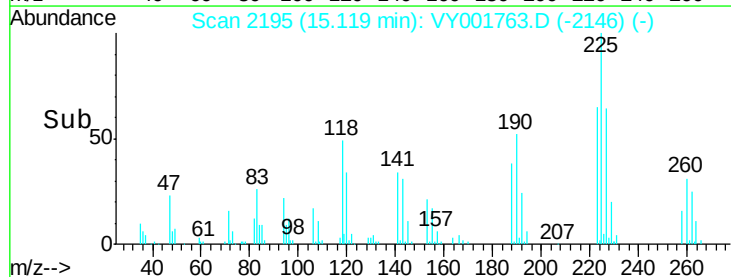
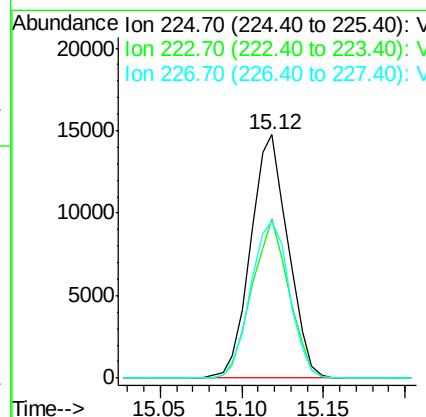
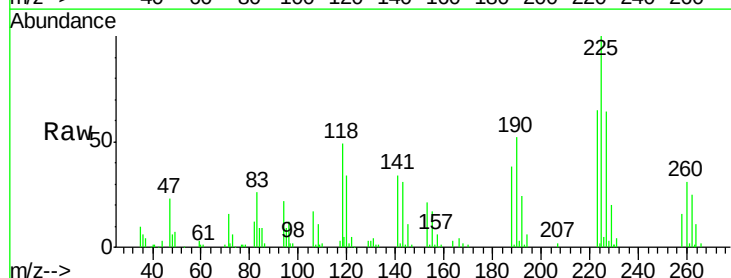
Manual Integrations
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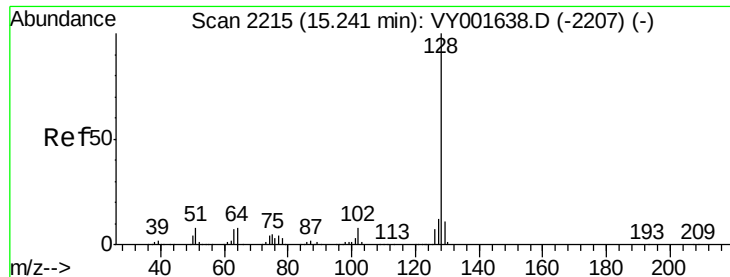
MMDadoda
 2/25/2020 10:53:55 AM



#94
 Hexachlorobutadiene
 Concen: 16.498 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001763.D
 Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.4	94.0
227	66.9	31.6	94.8





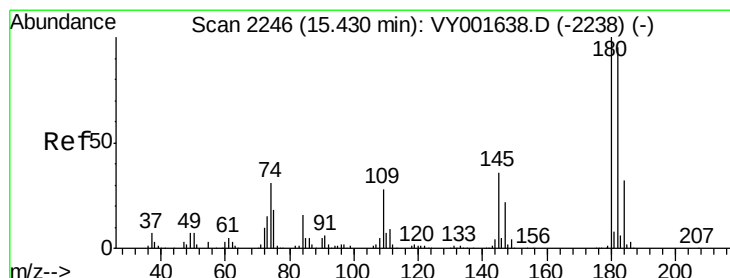
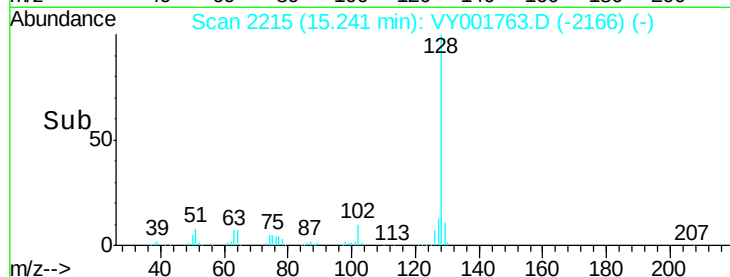
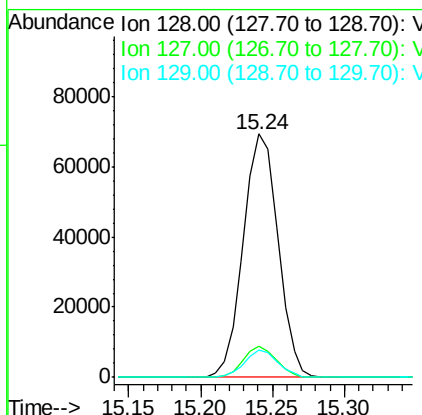
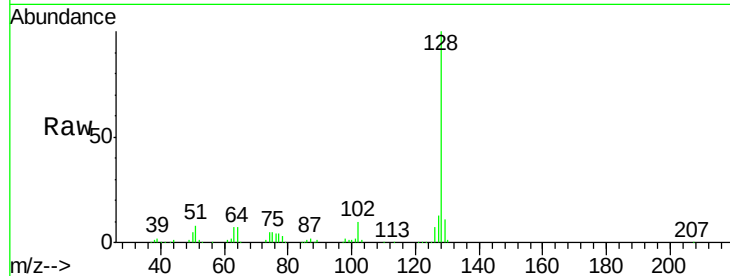
#95
Naphthalene
Concen: 17.557 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.00 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Instrument :
MSVOA_Y
ClientSampleId :
VY0224SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.2	9.9	14.9
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/25/2020 10:53:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.301 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001763.D
Acq: 24 Feb 2020 11:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.5	47.2	141.6
145	33.8	17.3	52.0

