

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012220\
 Data File : VY001331.D
 Acq On : 22 Jan 2020 15:23
 Operator : SY/MD
 Sample : VY0122SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 10:56:27 AM

Quant Time: Jan 23 02:49:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	216021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	373942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	329279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	159278	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.18	65	113008	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.75	113	105042	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.20	98	431800	50.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.49	95	160095	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.92	85	37942	22.272	ug/l	94
3) Chloromethane	2.13	50	53305	20.703	ug/l	99
4) Vinyl Chloride	2.27	62	56363	20.994	ug/l	97
5) Bromomethane	2.66	94	37172	20.559	ug/l	100
6) Chloroethane	2.81	64	35489	20.687	ug/l	96
7) Trichlorofluoromethane	3.15	101	73213	21.314	ug/l	99
8) Diethyl Ether	3.56	74	28184	19.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	46461	21.239	ug/l	98
10) Methyl Iodide	4.13	142	56574	19.609	ug/l	99
11) Tert butyl alcohol	5.00	59	37734	117.404	ug/l	96
12) 1,1-Dichloroethene	3.91	96	46708	20.365	ug/l	92
13) Acrolein	3.77	56	21150	114.302	ug/l	99
14) Allyl chloride	4.52	41	82628	20.201	ug/l	99
15) Acrylonitrile	5.21	53	73096	98.481	ug/l	99
16) Acetone	3.99	43	66492	102.921	ug/l	90
17) Carbon Disulfide	4.23	76	150486	20.862	ug/l	96
18) Methyl Acetate	4.52	43	39118	19.734	ug/l	97
19) Methyl tert-butyl Ether	5.27	73	131500	19.581	ug/l	99
20) Methylene Chloride	4.76	84	65044	19.853	ug/l	99
21) trans-1,2-Dichloroethene	5.27	96	54286	20.376	ug/l	97
22) Diisopropyl ether	6.16	45	168997	19.457	ug/l	95
23) Vinyl Acetate	6.11	43	548354	97.249	ug/l	99
24) 1,1-Dichloroethane	6.07	63	91147	19.909	ug/l	97
25) 2-Butanone	7.03	43	100139	97.876	ug/l	97
26) 2,2-Dichloropropane	7.02	77	82533	20.239	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	60293	20.249	ug/l	100
28) Bromochloromethane	7.38	49	32738	17.340	ug/l	99
29) Tetrahydrofuran	7.39	42	65509	98.417	ug/l	99
30) Chloroform	7.55	83	87511	19.502	ug/l	100
31) Cyclohexane	7.82	56	94752	20.846	ug/l	91
32) 1,1,1-Trichloroethane	7.74	97	76599	20.217	ug/l	100
36) 1,1-Dichloropropene	7.95	75	72686	20.575	ug/l	98
37) Ethyl Acetate	7.11	43	44321	20.534	ug/l	100
38) Carbon Tetrachloride	7.94	117	66984	21.275	ug/l	94

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	96113	21.237	ug/l	98
40) Benzene	8.19	78	216867	20.473	ug/l	100
41) Methacrylonitrile	7.36	41	25128m	22.560	ug/l	
42) 1,2-Dichloroethane	8.27	62	60008	20.274	ug/l	99
43) Isopropyl Acetate	8.30	43	83975	20.008	ug/l	98
44) Trichloroethene	8.96	130	55669	20.480	ug/l	94
45) 1,2-Dichloropropane	9.24	63	53939	20.143	ug/l	100
46) Dibromomethane	9.33	93	28460	19.797	ug/l	99
47) Bromodichloromethane	9.52	83	67891	19.755	ug/l	94
48) Methyl methacrylate	9.32	41	37827	19.825	ug/l	98
49) 1,4-Dioxane	9.32	88	8505	419.525	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	216519	100.174	ug/l	100
52) Toluene	10.26	92	136621	20.346	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	76297	20.030	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	87981	20.123	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	42305	19.938	ug/l	98
56) Ethyl methacrylate	10.53	69	63863	19.913	ug/l	98
57) 1,3-Dichloropropane	10.81	76	74943	20.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	109592	98.754	ug/l	99
59) 2-Hexanone	10.85	43	156206	103.810	ug/l	99
60) Dibromochloromethane	11.00	129	46551	19.615	ug/l	99
61) 1,2-Dibromoethane	11.11	107	40684	20.282	ug/l	100
64) Tetrachloroethene	10.74	164	43636	20.746	ug/l	97
65) Chlorobenzene	11.53	112	143568	20.685	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.61	131	48624	20.528	ug/l	99
67) Ethyl Benzene	11.61	91	266146	20.807	ug/l	98
68) m/p-Xylenes	11.72	106	198942	41.643	ug/l	100
69) o-Xylene	12.04	106	93510	20.347	ug/l	99
70) Styrene	12.06	104	164714	20.427	ug/l	98
71) Bromoform	12.22	173	27577	19.504	ug/l #	100
73) Isopropylbenzene	12.34	105	252717	20.107	ug/l	99
74) N-amyl acetate	12.16	43	80762	19.631	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.59	83	53643	19.929	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	36796m	19.171	ug/l	
77) Bromobenzene	12.62	156	55352	19.884	ug/l	99
78) n-propylbenzene	12.68	91	306981	20.292	ug/l	99
79) 2-Chlorotoluene	12.77	91	172793	19.994	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	215073	20.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	20087	19.805	ug/l	97
82) 4-Chlorotoluene	12.86	91	182260	19.743	ug/l	99
83) tert-Butylbenzene	13.08	119	178370	20.170	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	212105	20.138	ug/l	98
85) sec-Butylbenzene	13.26	105	262991	20.932	ug/l	100
86) p-Isopropyltoluene	13.38	119	233901	21.125	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	110812	20.669	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	110557	20.310	ug/l	99
89) n-Butylbenzene	13.70	91	233403	20.946	ug/l	100
90) Hexachloroethane	13.97	117	42841	20.413	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	100836	20.394	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9378	20.191	ug/l	98

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ClientSampleId :
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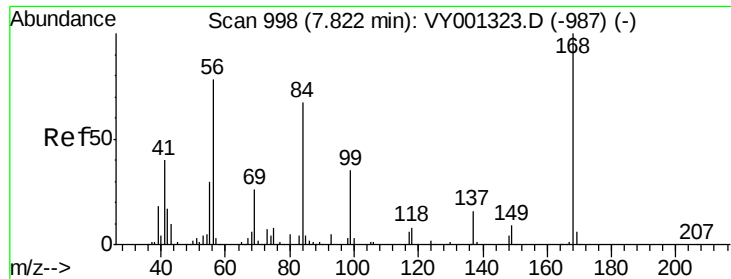
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	69277	20.876	ug/l	97
94) Hexachlorobutadiene	15.12	225	33747	20.885	ug/l	97
95) Naphthalene	15.24	128	156915	20.679	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	59972	20.602	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion:168 Resp: 216021

Ion Ratio Lower Upper

168 100

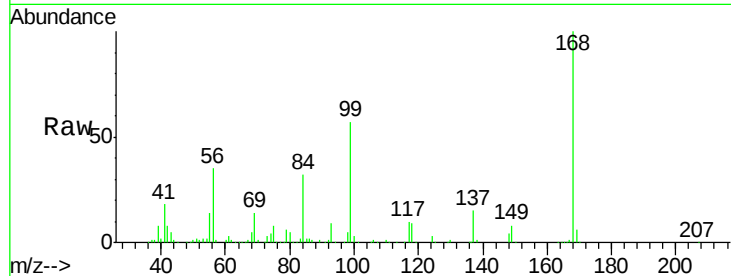
99 57.3 44.3 66.5

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.83

100000

80000

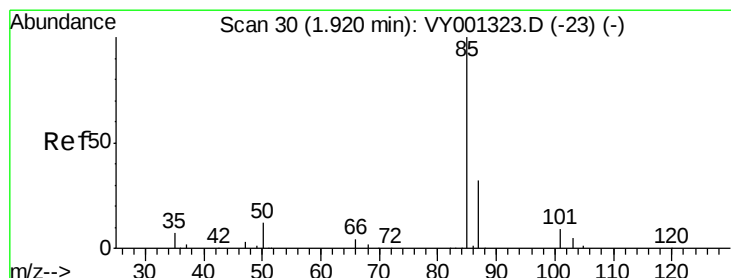
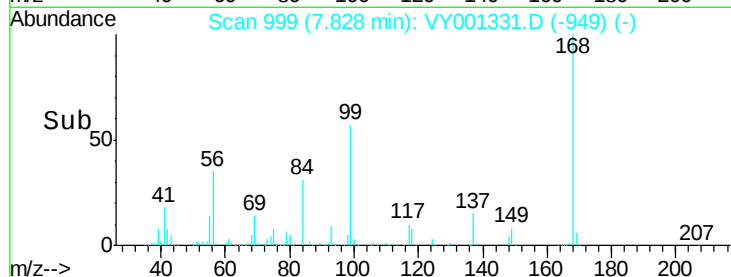
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.272 ug/l

RT: 1.92 min Scan# 30

Delta R.T. -0.00 min

Lab File: VY001331.D

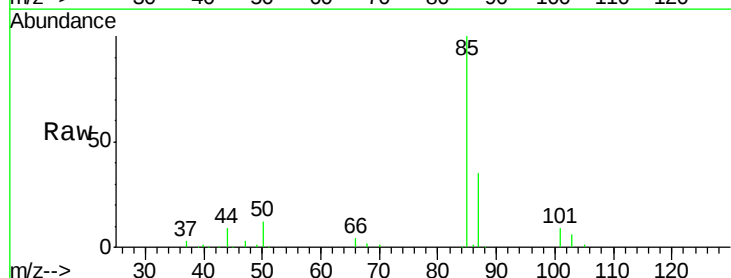
Acq: 22 Jan 2020 15:23

Tgt Ion: 85 Resp: 37942

Ion Ratio Lower Upper

85 100

87 35.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.92

30000

25000

20000

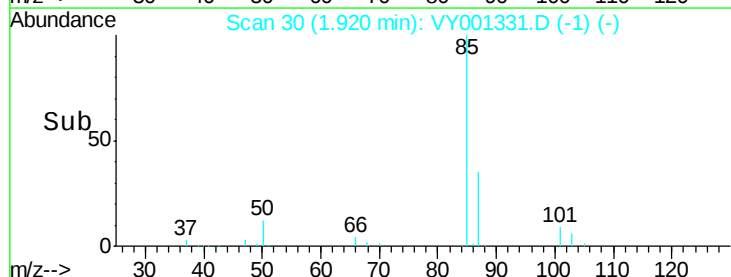
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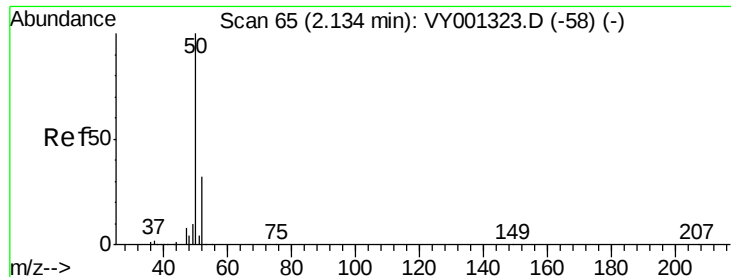
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.703 ug/l

RT: 2.13 min Scan# 65

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion: 50 Resp: 53305

Ion Ratio Lower Upper

50 100

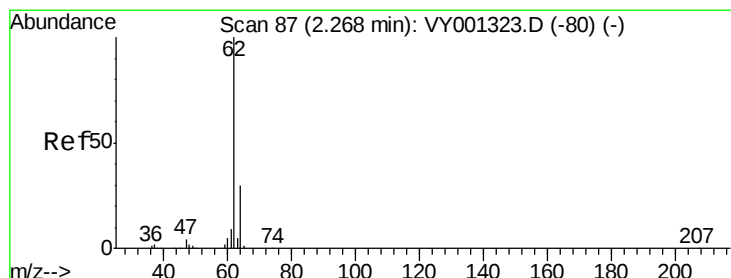
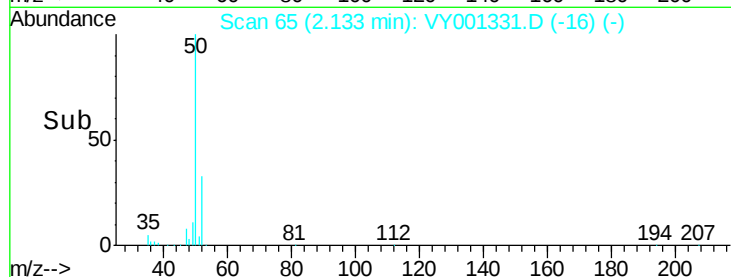
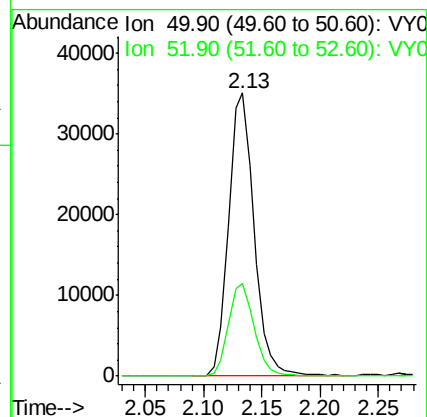
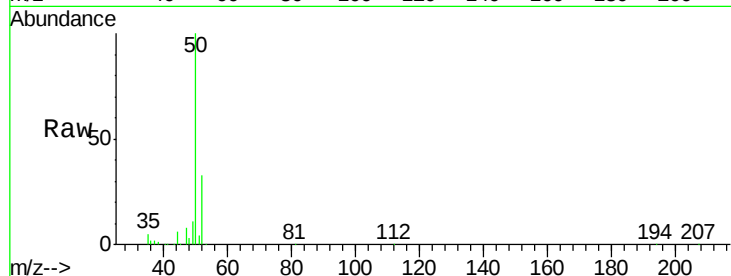
52 32.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.994 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001331.D

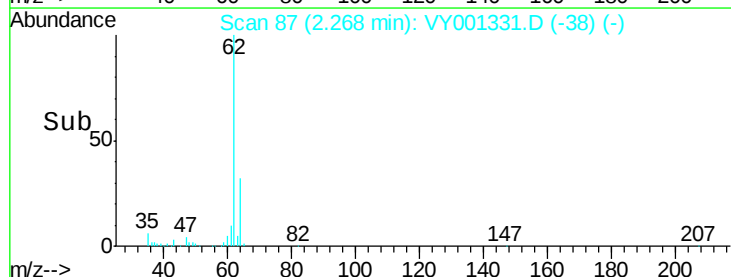
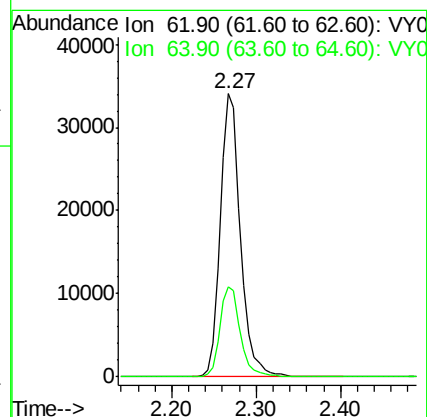
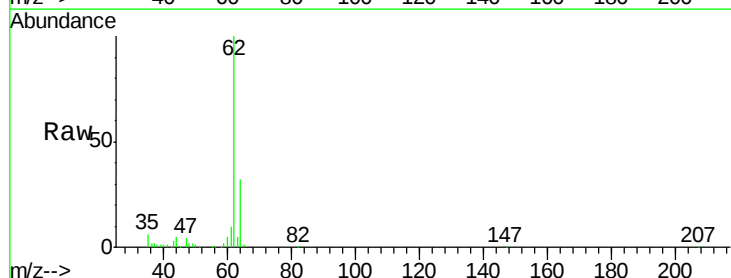
Acq: 22 Jan 2020 15:23

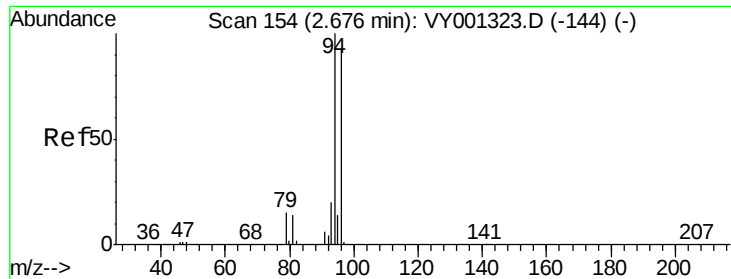
Tgt Ion: 62 Resp: 56363

Ion Ratio Lower Upper

62 100

64 31.7 23.9 35.9





#5

Bromomethane

Concen: 20.559 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.02 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

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ClientSampleId :

VY0122SBS01

Tot Ion: 94 Resp: 37172

Ion Ratio Lower Upper

94 100

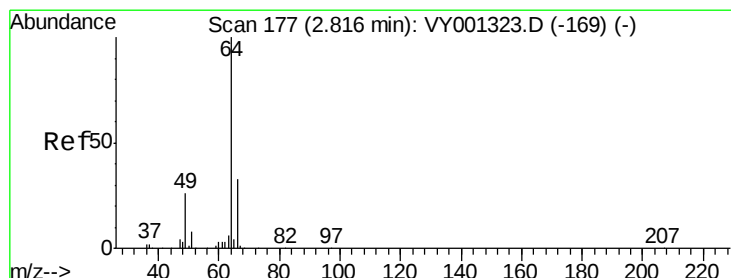
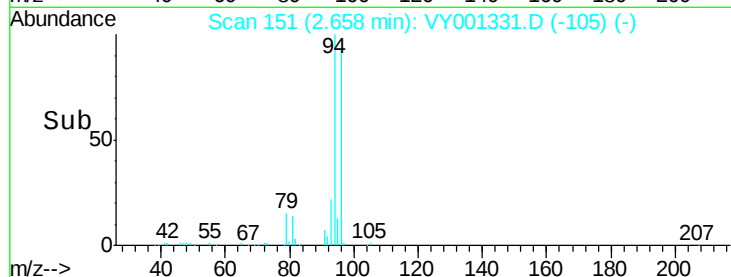
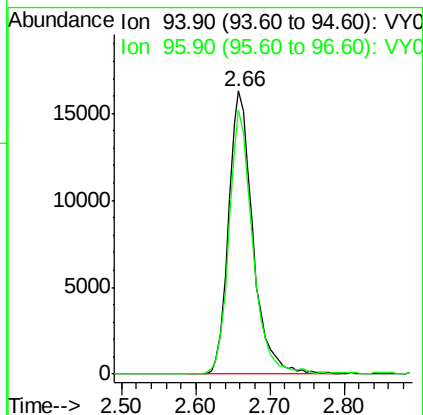
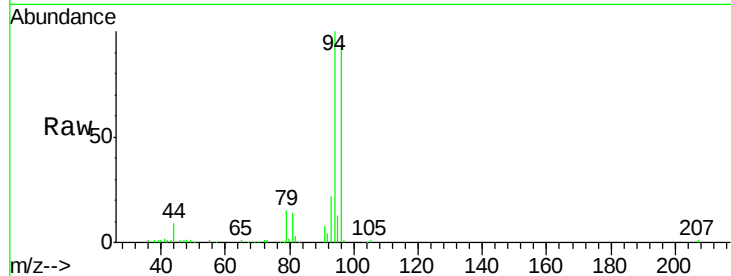
96 93.4 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 20.687 ug/l

RT: 2.81 min Scan# 176

Delta R.T. -0.01 min

Lab File: VY001331.D

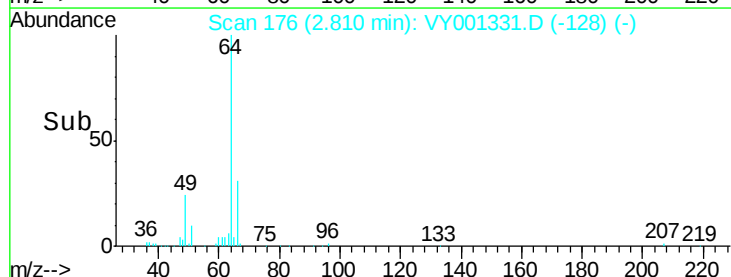
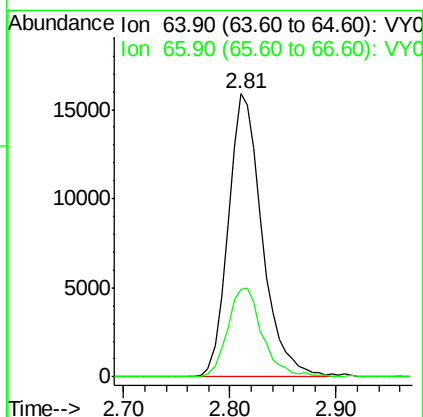
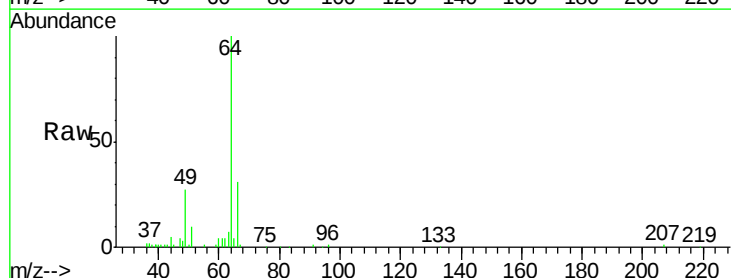
Acq: 22 Jan 2020 15:23

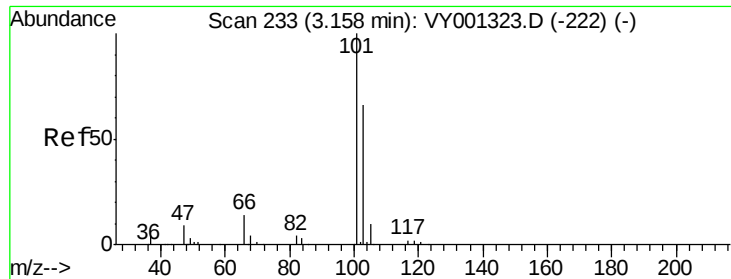
Tgt Ion: 64 Resp: 35489

Ion Ratio Lower Upper

64 100

66 31.0 26.8 40.2





#7

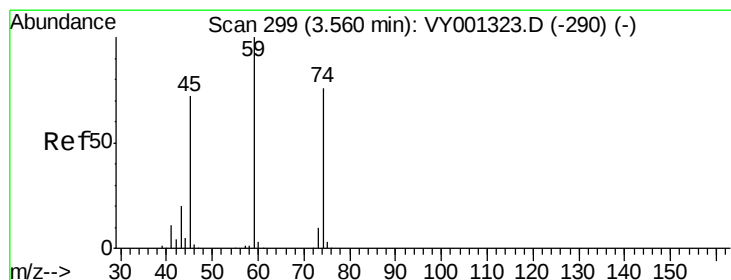
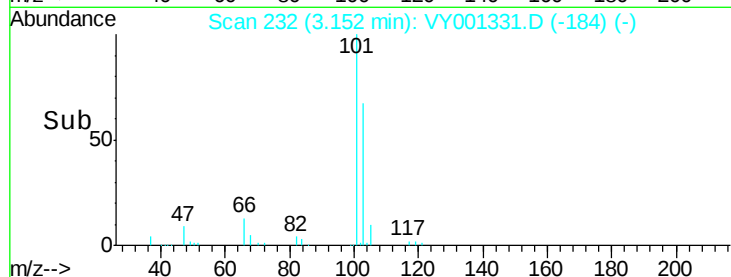
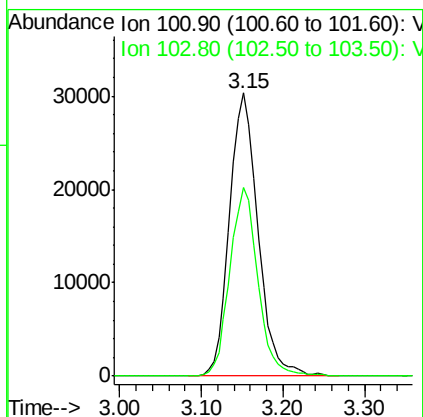
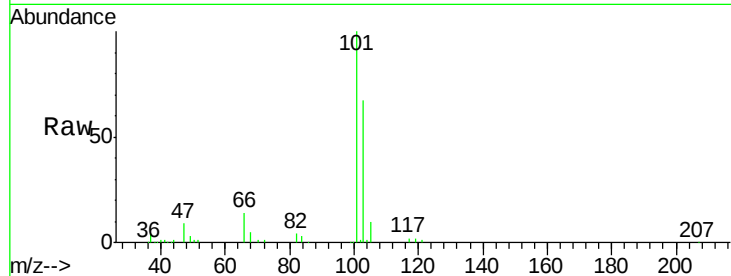
Trichlorofluoromethane
Concen: 21.314 ug/l
RT: 3.15 min Scan# 232
Delta R.T. -0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
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ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.5	78.7

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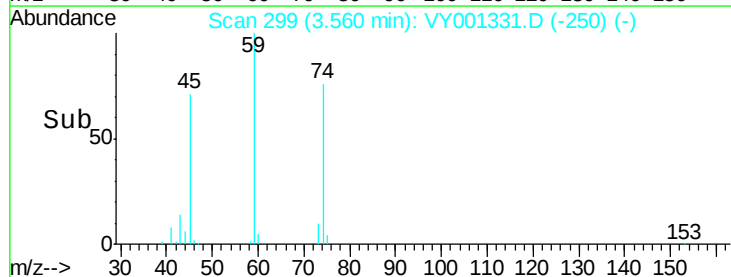
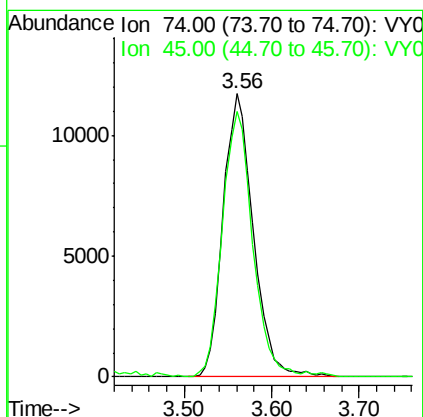
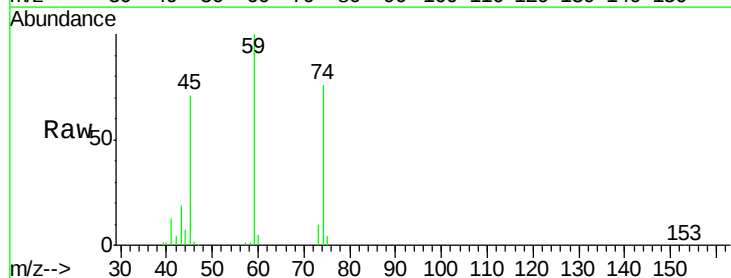
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#8

Diethyl Ether
Concen: 19.437 ug/l
RT: 3.56 min Scan# 299
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.239 ug/l

RT: 3.94 min Scan# 361

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

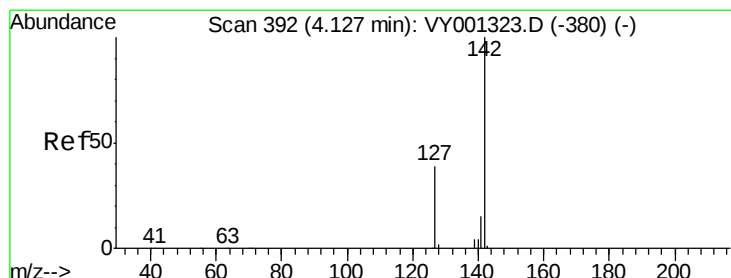
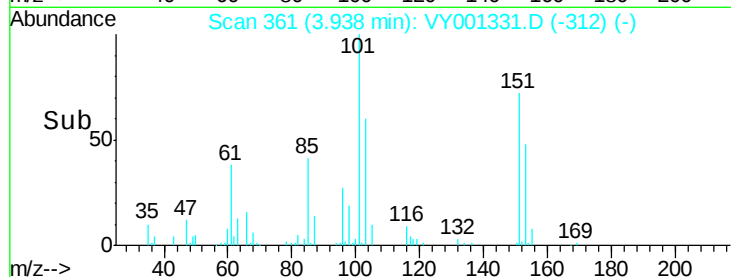
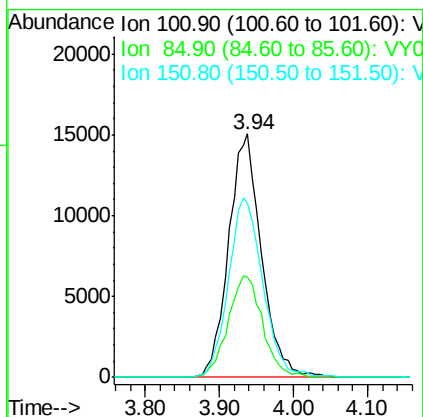
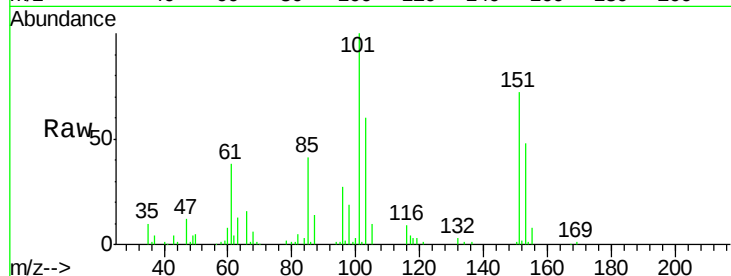
ClientSampleId :

VY0122SBS01

Tot Ion:	101	Resp:	46461
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.9	52.3
151	77.5	59.9	89.9

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#10

Methyl Iodide

Concen: 19.609 ug/l

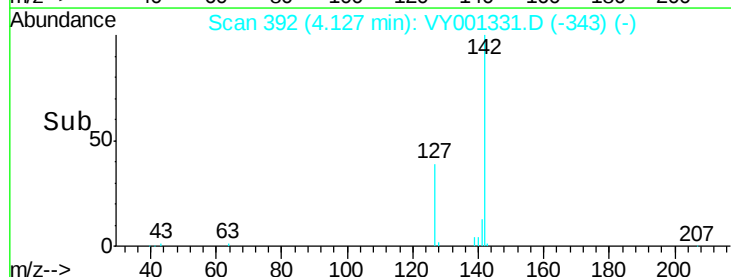
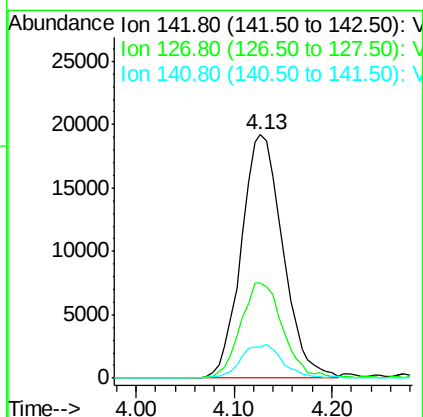
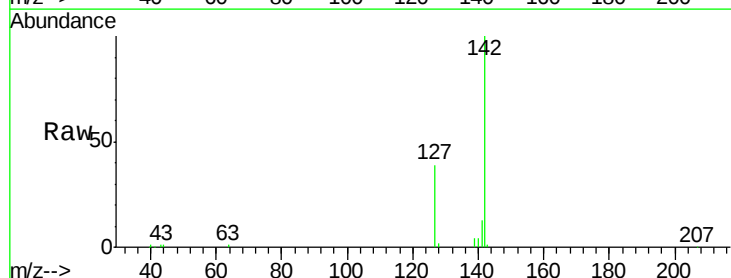
RT: 4.13 min Scan# 392

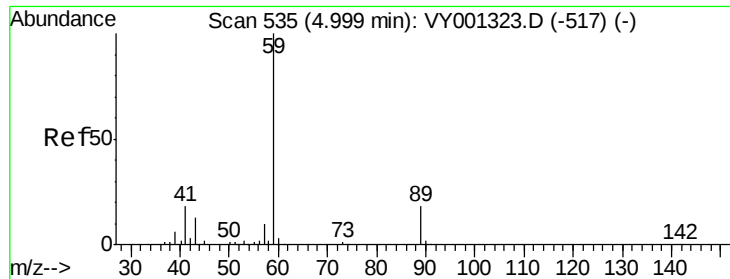
Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion:	142	Resp:	56574
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.6	47.4
141	13.9	11.2	16.8





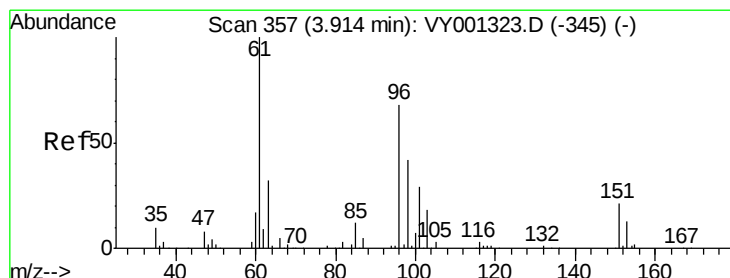
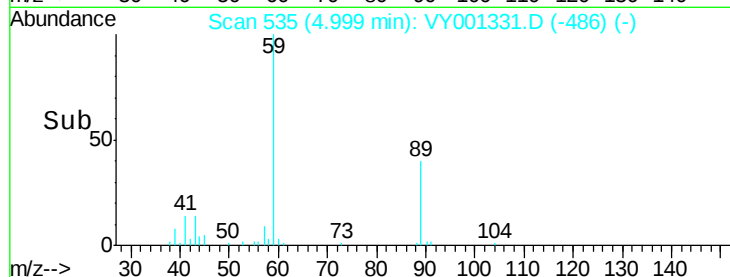
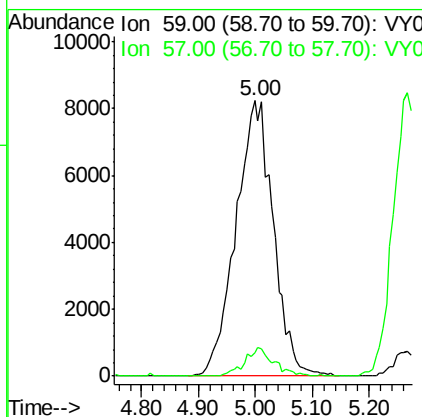
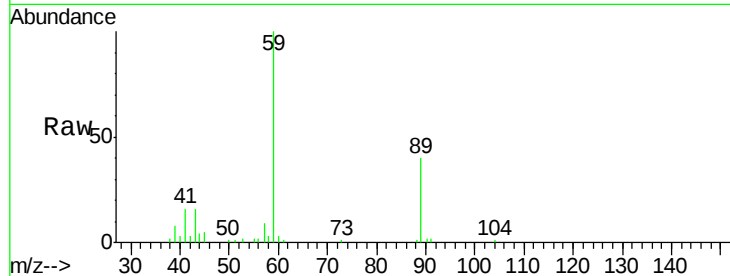
#11
Tert butyl alcohol
Concen: 117.404 ug/l
RT: 5.00 min Scan# 535
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	7.4	11.2

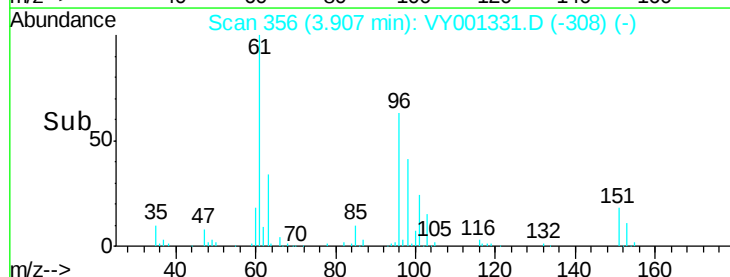
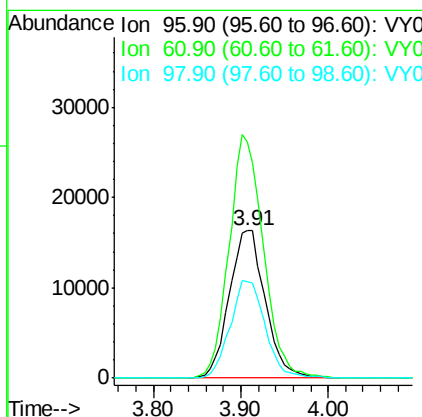
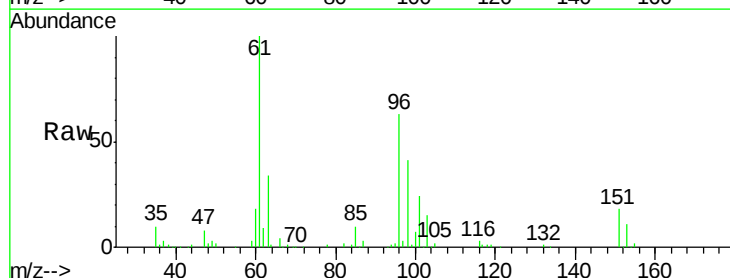
Manual Integrations
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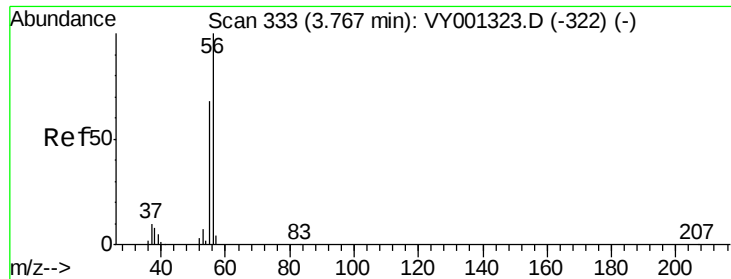
MMDadoda
1/23/2020 10:56:27 AM



#12
1,1-Dichloroethene
Concen: 20.365 ug/l
RT: 3.91 min Scan# 356
Delta R.T. -0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	118.0	177.0
98	65.3	49.4	74.2





#13

Acrolein

Concen: 114.302 ug/l

RT: 3.77 min Scan# 333

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion: 56 Resp: 21150

Ion Ratio Lower Upper

56 100

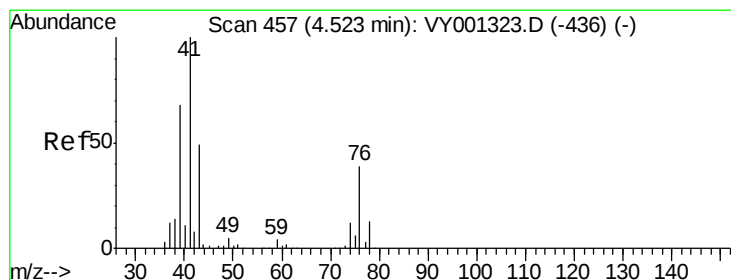
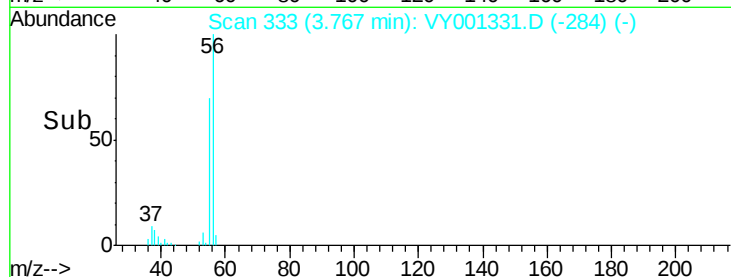
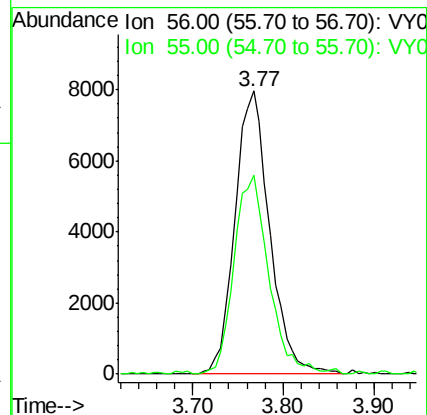
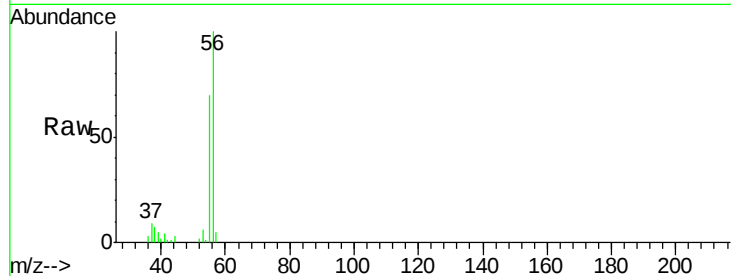
55 70.3 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 20.201 ug/l

RT: 4.52 min Scan# 457

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

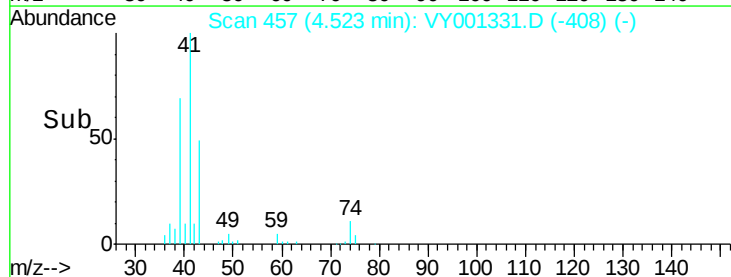
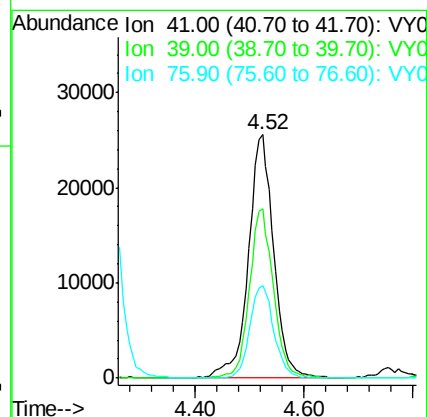
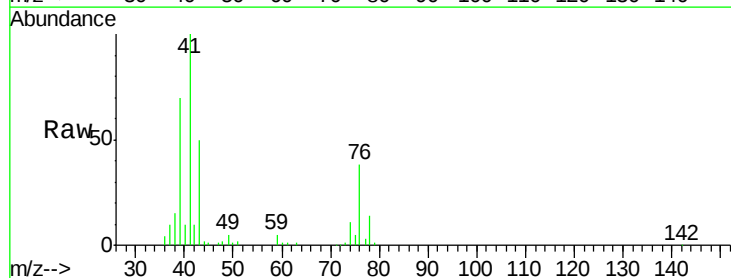
Tgt Ion: 41 Resp: 82628

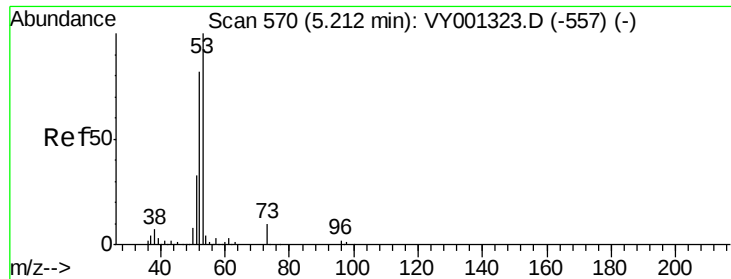
Ion Ratio Lower Upper

41 100

39 66.1 52.2 78.4

76 36.0 29.1 43.7





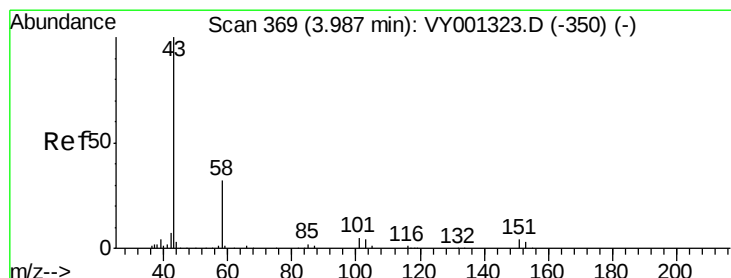
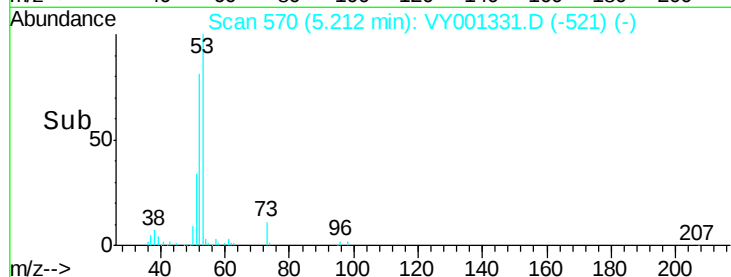
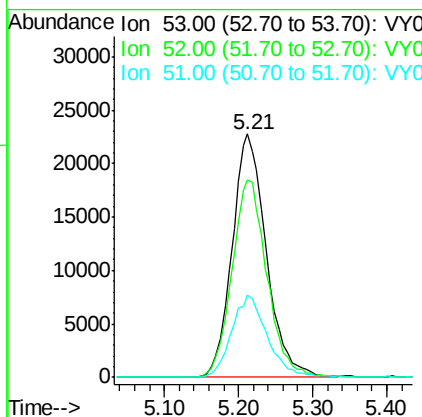
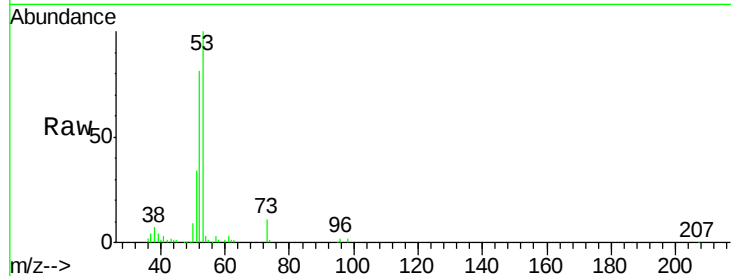
#15
 Acrylonitrile
 Concen: 98.481 ug/l
 RT: 5.21 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.3	97.9
51	35.5	28.4	42.6

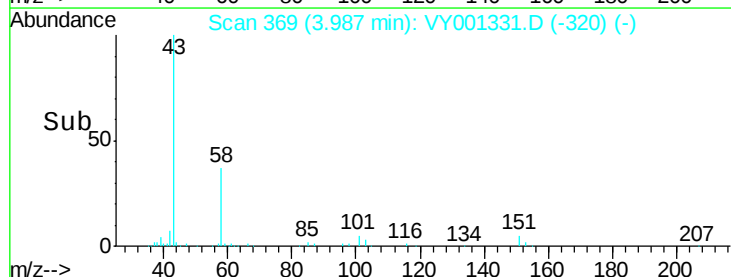
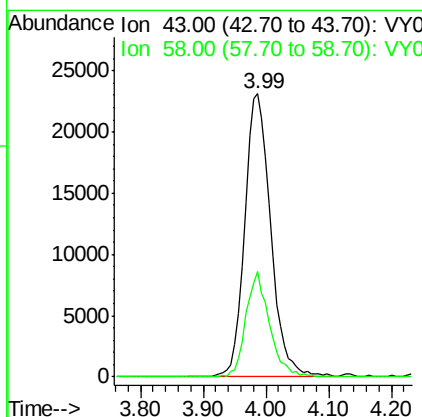
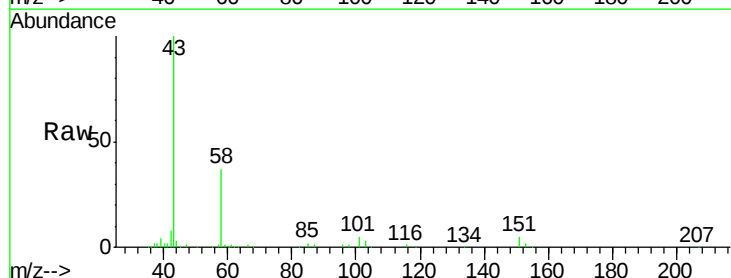
Manual Integrations
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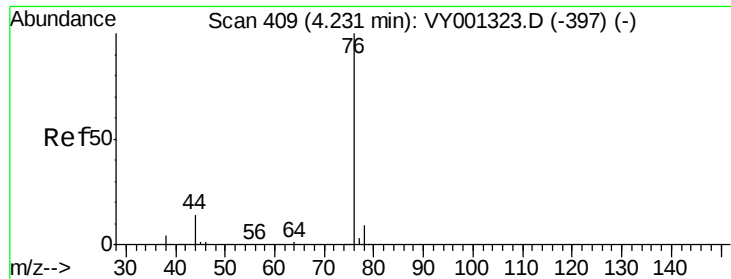
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#16
 Acetone
 Concen: 102.921 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	25.4	38.0





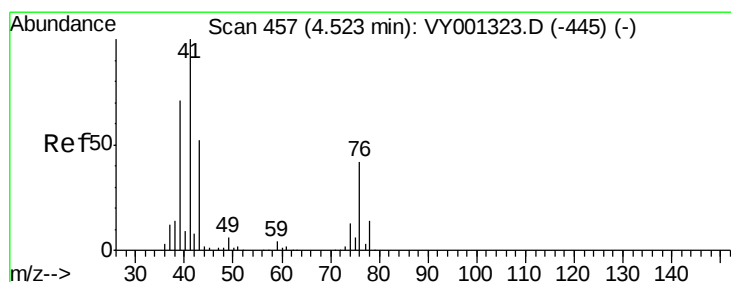
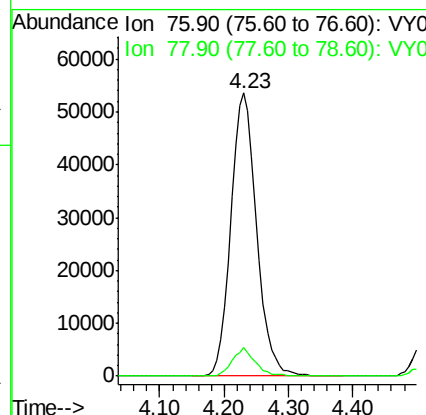
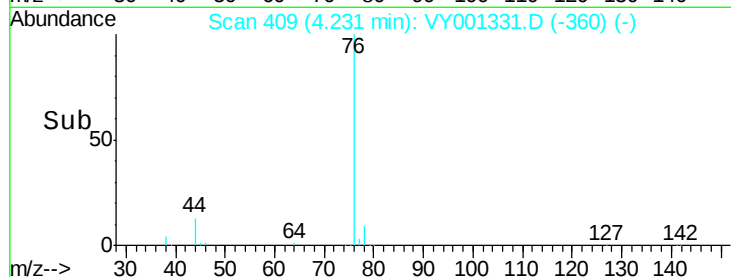
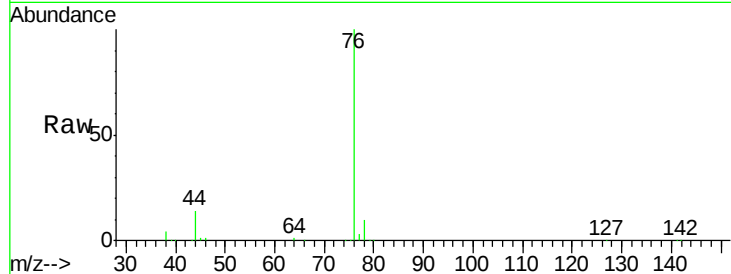
#17
Carbon Disulfide
Concen: 20.862 ug/l
RT: 4.23 min Scan# 409
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	10.6

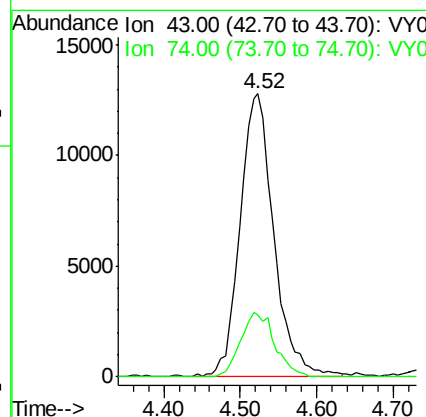
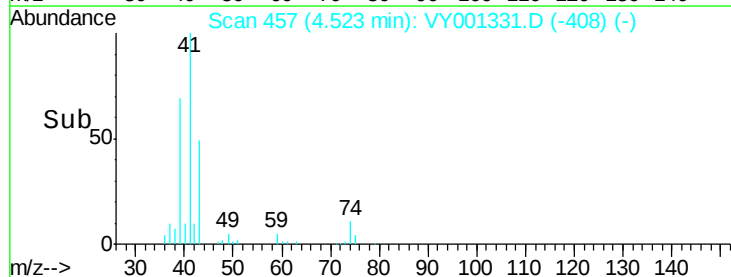
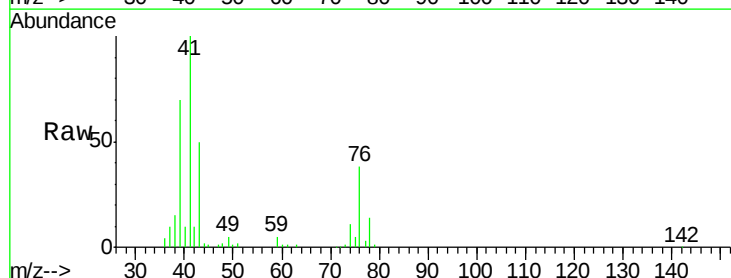
Manual Integrations
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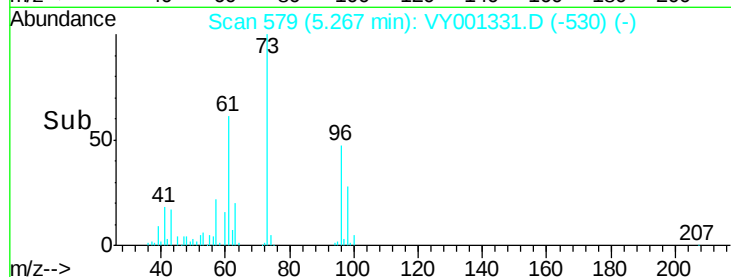
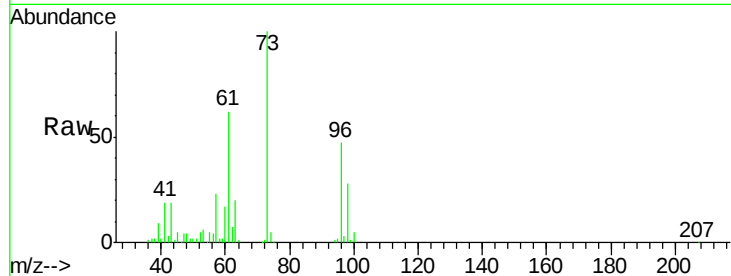
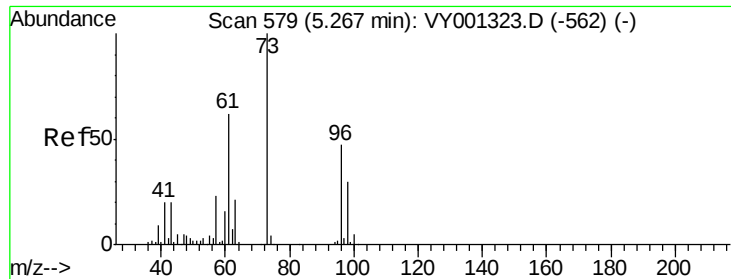
MMDadoda
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#18
Methyl Acetate
Concen: 19.734 ug/l
RT: 4.52 min Scan# 457
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2





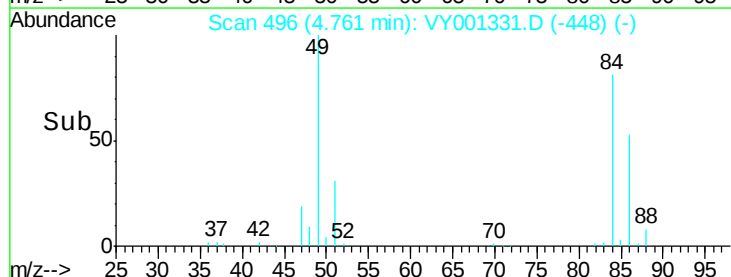
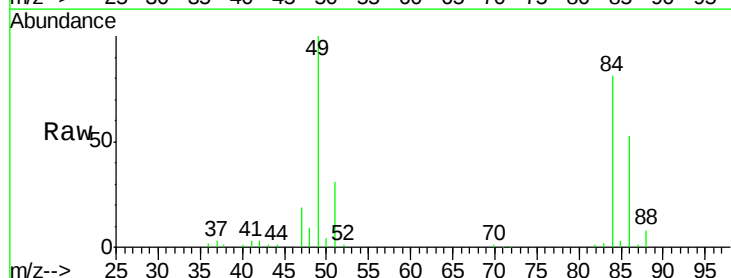
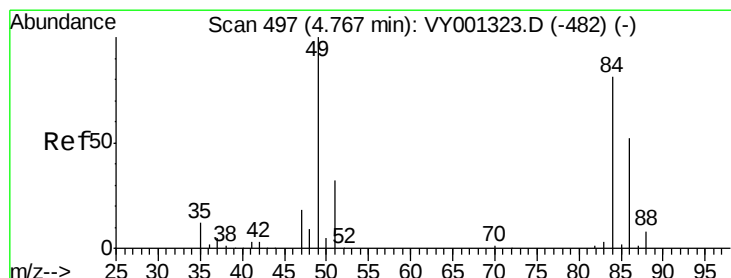
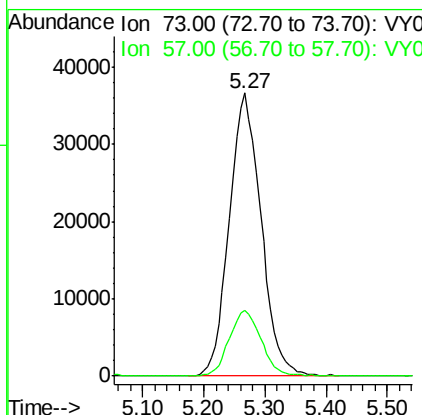
#19
Methvl tert-butvl Ether
Concen: 19.581 ug/l
RT: 5.27 min Scan# 579
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tot Ion: 73 Resp: 131500
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

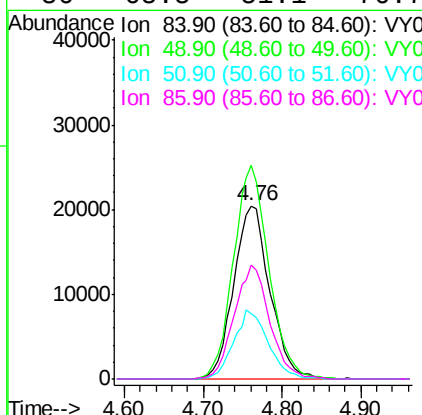
Manual Integrations
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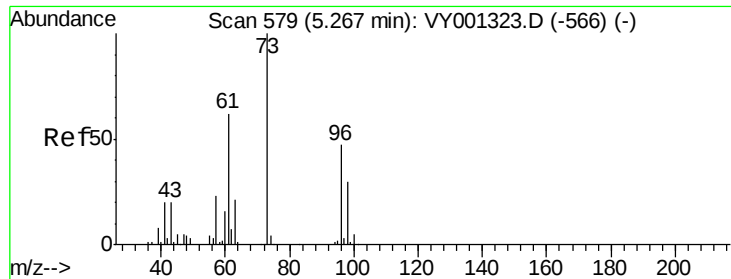
MMDadoda
1/23/2020 10:56:27 AM



#20
Methylene Chloride
Concen: 19.853 ug/l
RT: 4.76 min Scan# 496
Delta R.T. -0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion: 84 Resp: 65044
Ion Ratio Lower Upper
84 100
49 123.3 98.3 147.5
51 37.8 31.6 47.4
86 65.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 20.376 ug/l

RT: 5.27 min Scan# 579

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

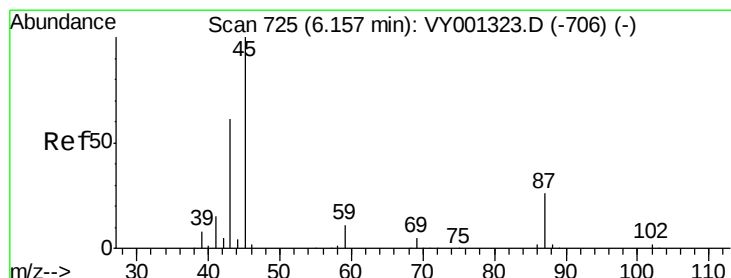
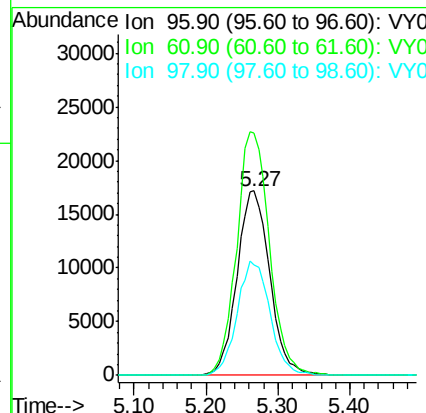
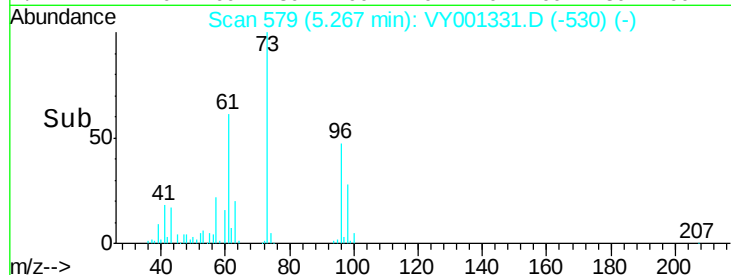
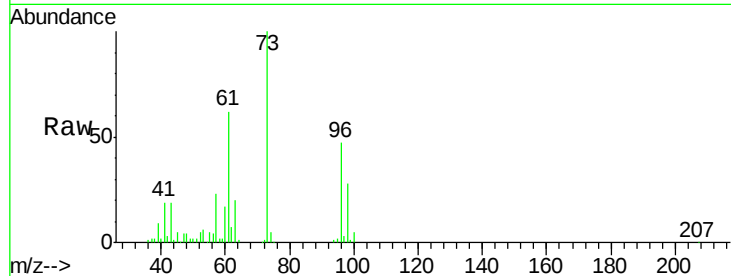
ClientSampleId :

VY0122SBS01

Tot Ion:	96	Resp:	54286
Ion	Ratio	Lower	Upper
96	100		
61	131.7	106.8	160.2
98	59.7	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.457 ug/l

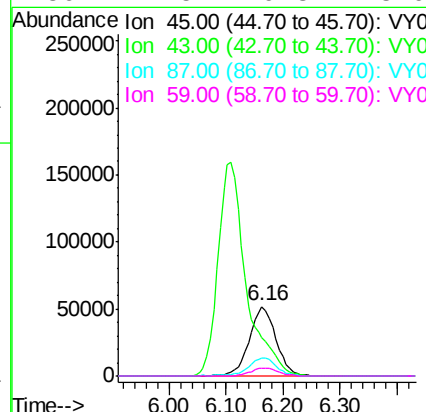
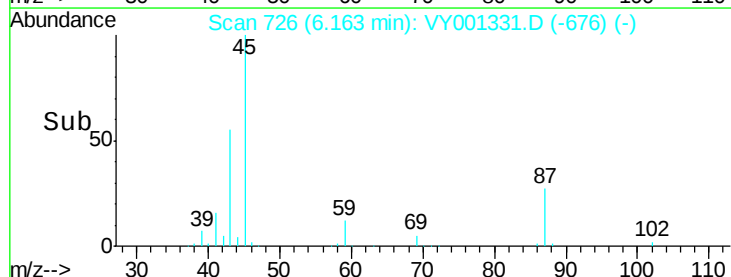
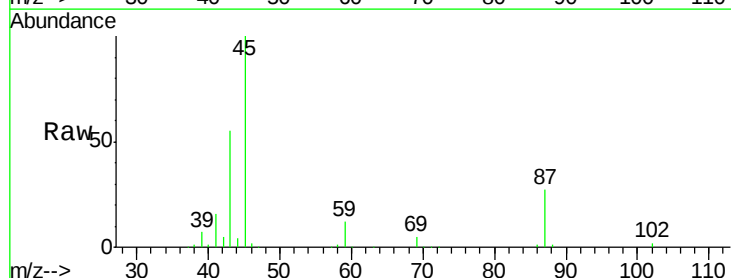
RT: 6.16 min Scan# 726

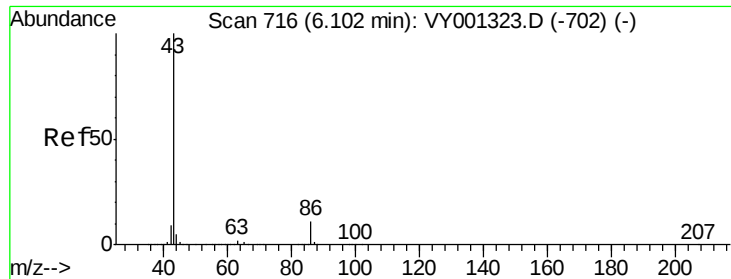
Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion:	45	Resp:	168997
Ion	Ratio	Lower	Upper
45	100		
43	54.9	49.2	73.8
87	26.7	21.4	32.2
59	11.5	9.3	13.9





#23

Vinyl Acetate

Concen: 97.249 ug/l

RT: 6.11 min Scan# 717

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion: 43 Resp: 548354

Ion Ratio Lower Upper

43 100

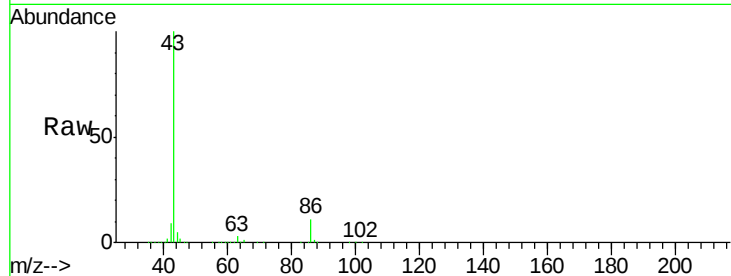
86 11.2 8.6 13.0

Manual Integrations

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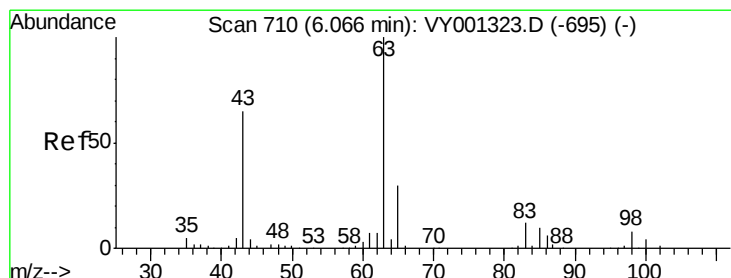
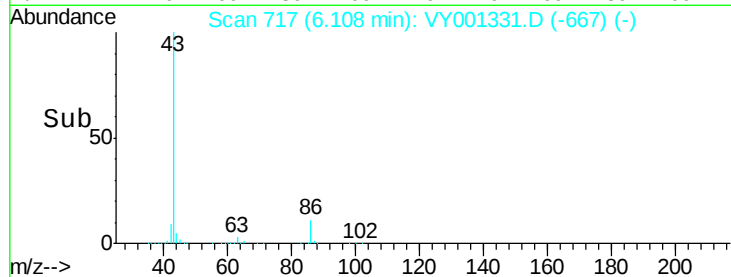
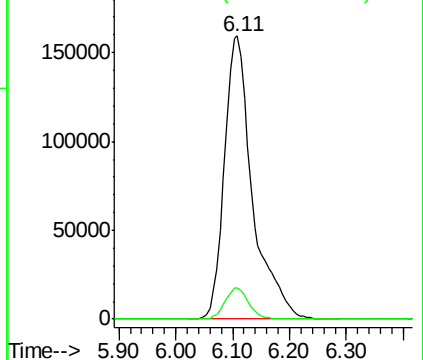
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.909 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

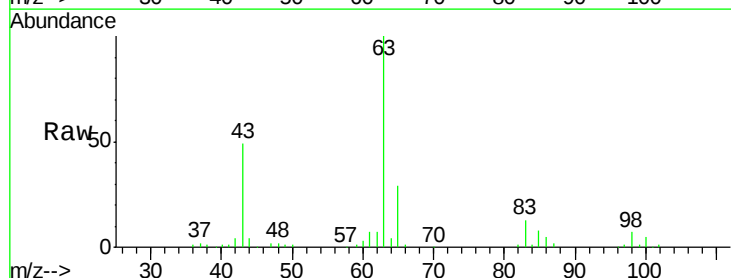
Tgt Ion: 63 Resp: 91147

Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.0

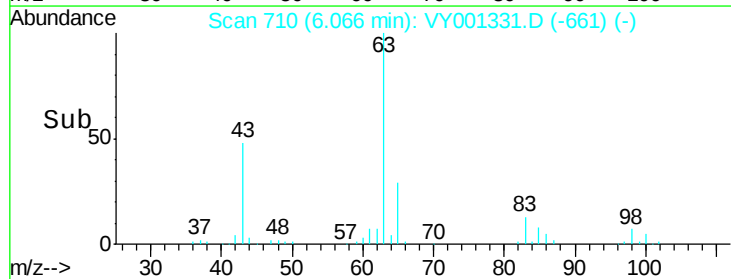
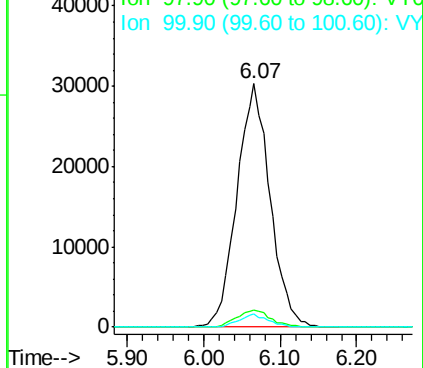
100 5.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 97.876 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion: 43 Resp: 100139

Ion Ratio Lower Upper

43 100

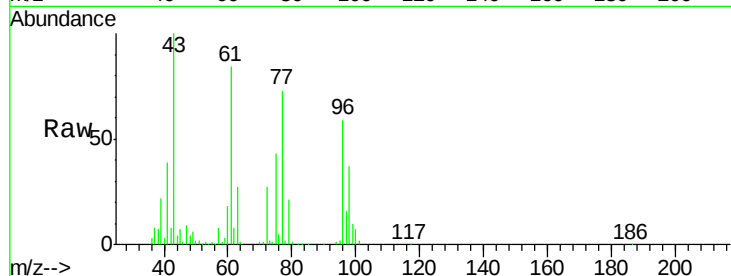
72 27.5 20.6 31.0

Manual Integrations

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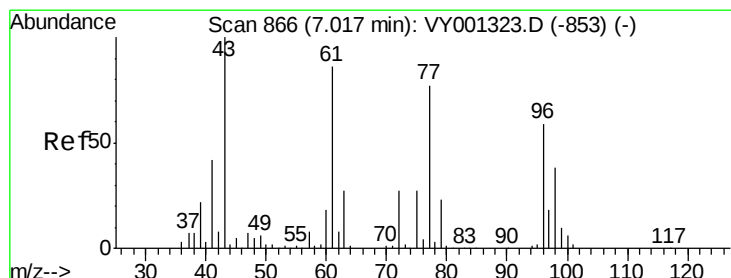
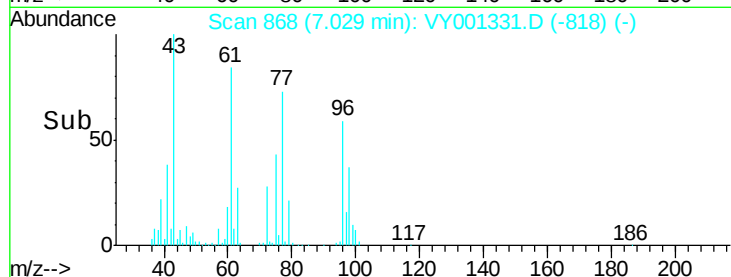
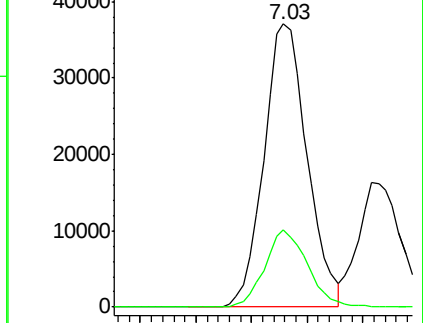
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.239 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001331.D

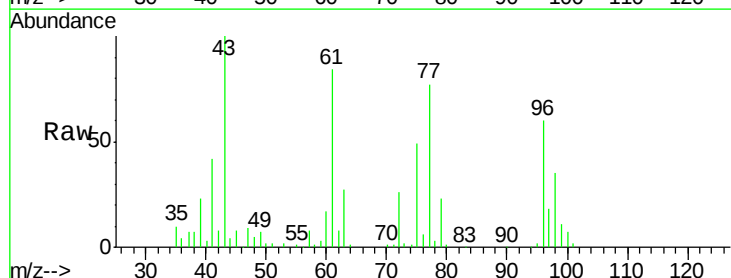
Acq: 22 Jan 2020 15:23

Tgt Ion: 77 Resp: 82533

Ion Ratio Lower Upper

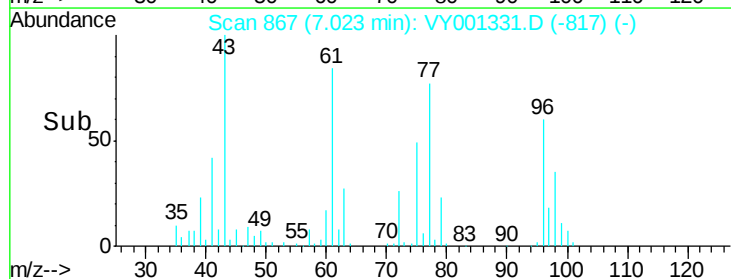
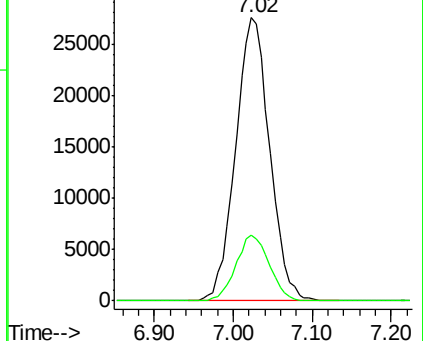
77 100

97 22.9 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

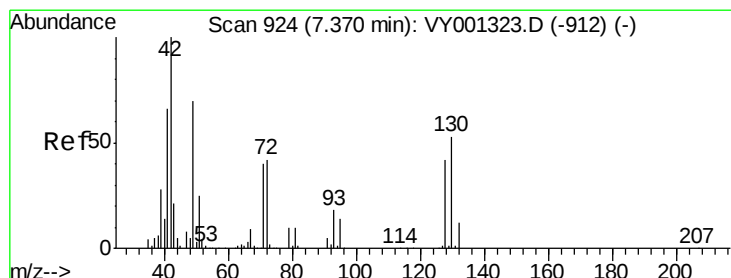
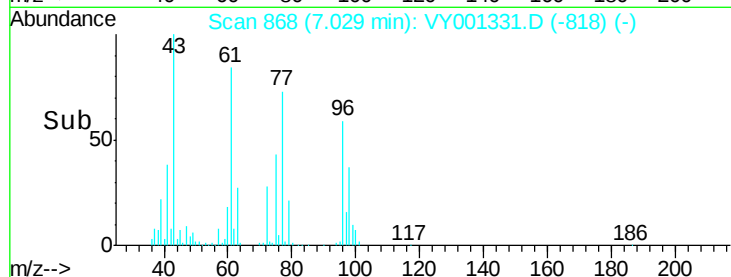
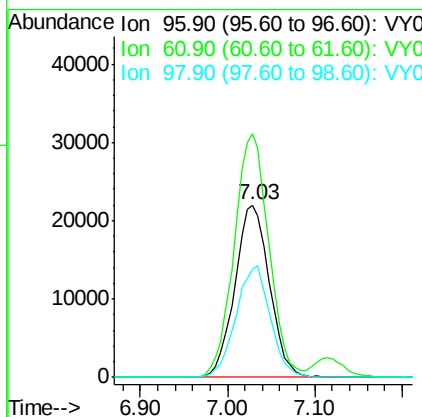
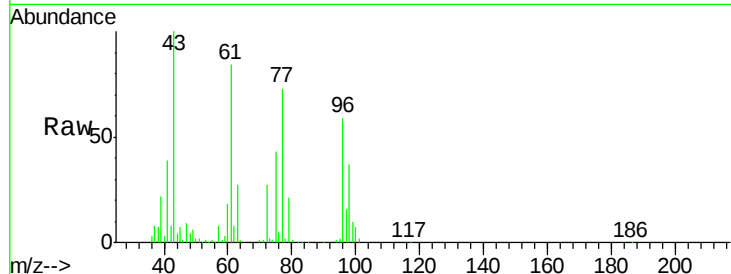
cis-1,2-Dichloroethene
Concen: 20.249 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60293		
61	142.0		0.0	284.8
98	63.9		0.0	128.4

Manual Integrations
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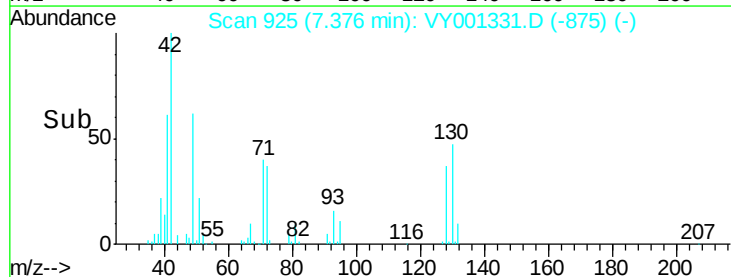
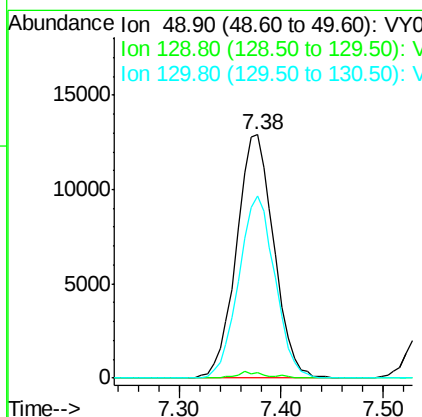
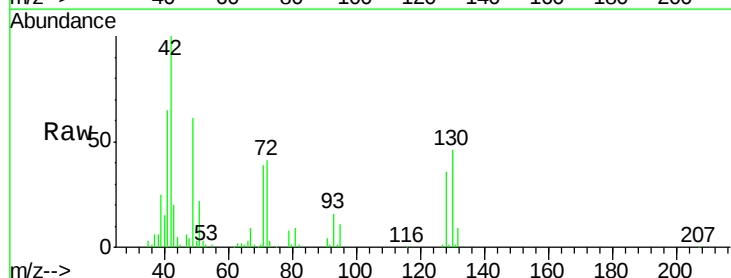
MMDadoda
1/23/2020 10:56:27 AM

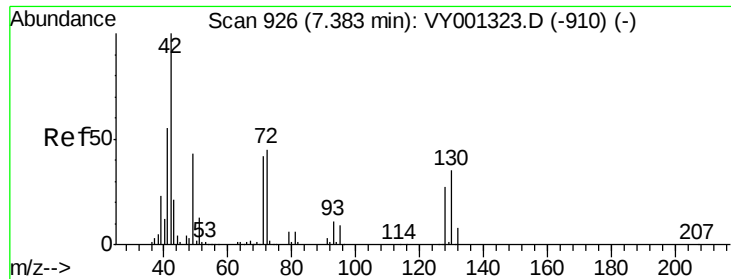


#28

Bromochloromethane
Concen: 17.340 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32738		
129	1.6		0.0	4.0
130	72.8		58.9	88.3





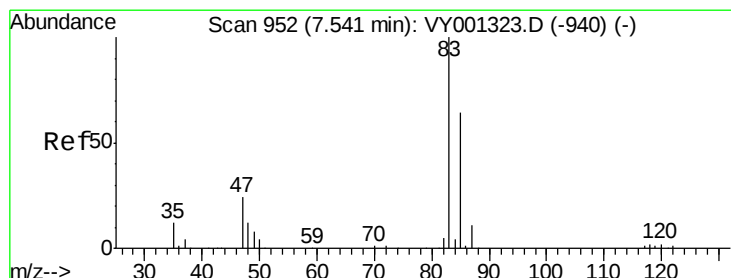
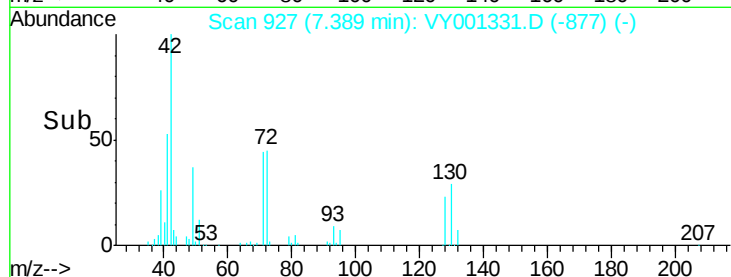
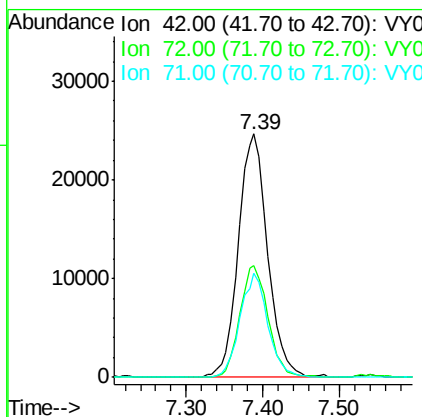
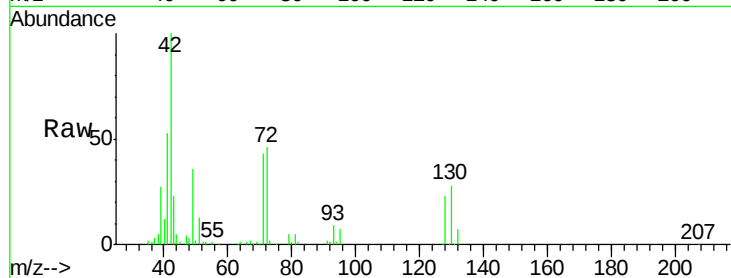
#29
Tetrahydrofuran
Concen: 98.417 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.6	51.8
71	40.6	32.6	48.8

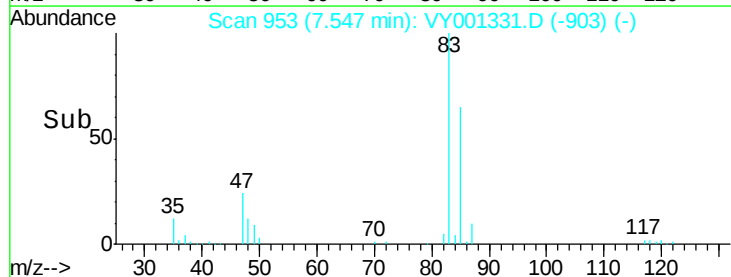
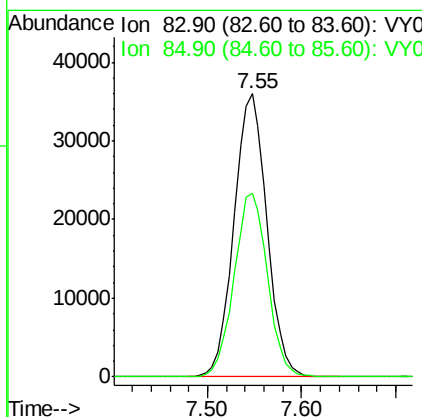
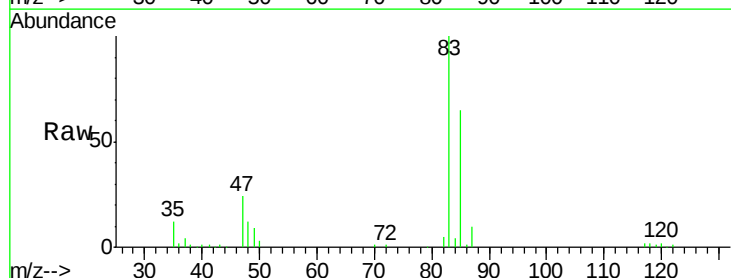
Manual Integrations
APPROVED

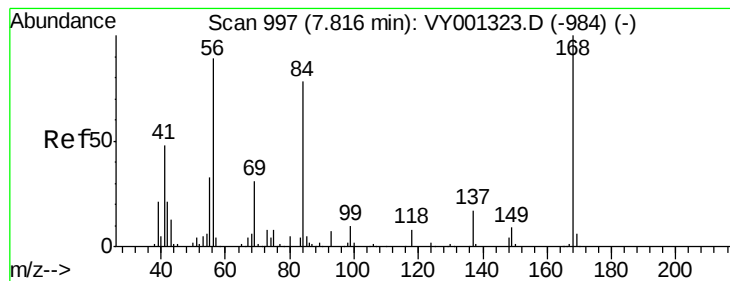
MMDadoda
1/23/2020 10:56:27 AM



#30
Chloroform
Concen: 19.502 ug/l
RT: 7.55 min Scan# 953
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cyclohexane

Concen: 20.846 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

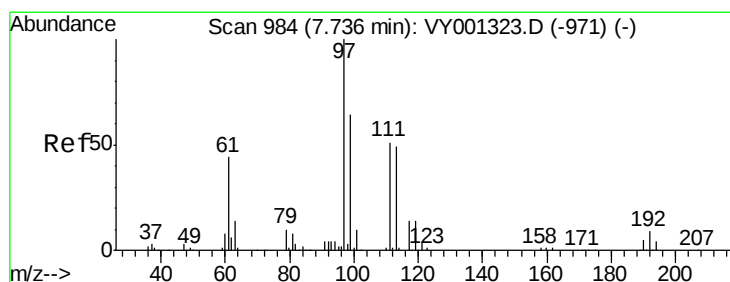
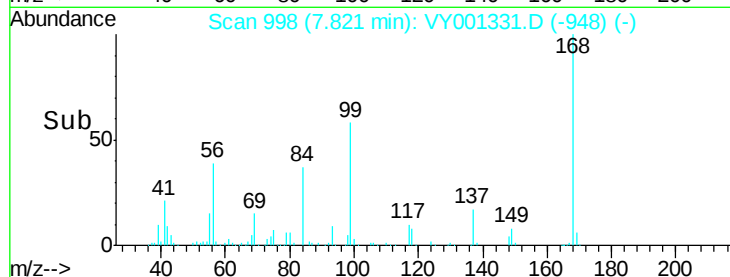
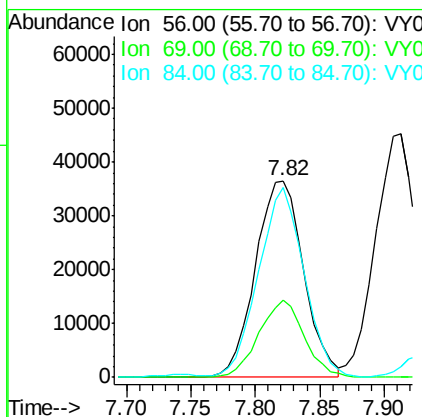
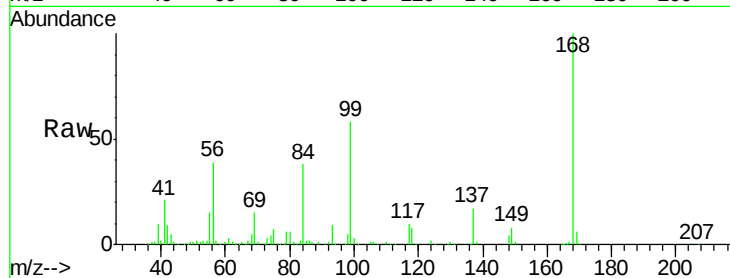
ClientSampleId :

VY0122SBS01

Tot Ion:	56	Resp:	94752
Ion Ratio	Lower	Upper	
56	100		
69	39.4	27.6	41.4
84	95.1	69.7	104.5

Manual Integrations
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1/23/2020 10:56:27 AM



#32

1,1,1-Trichloroethane

Concen: 20.217 ug/l

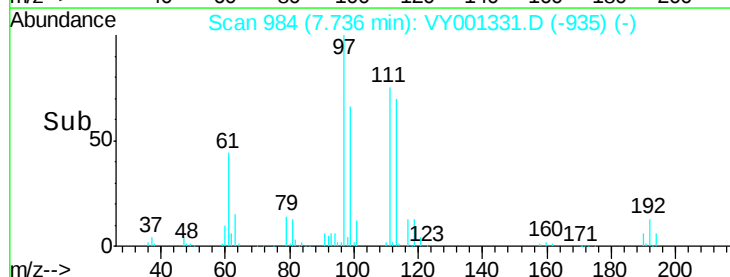
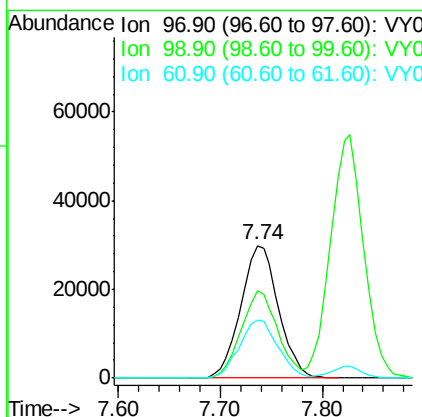
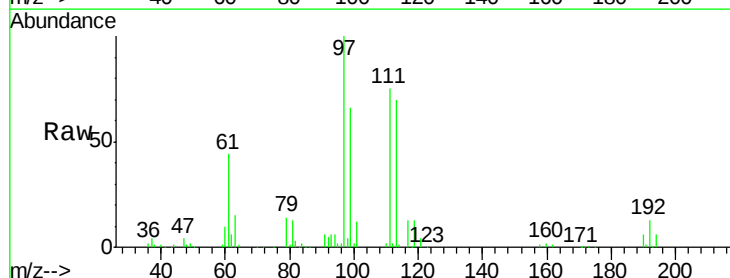
RT: 7.74 min Scan# 984

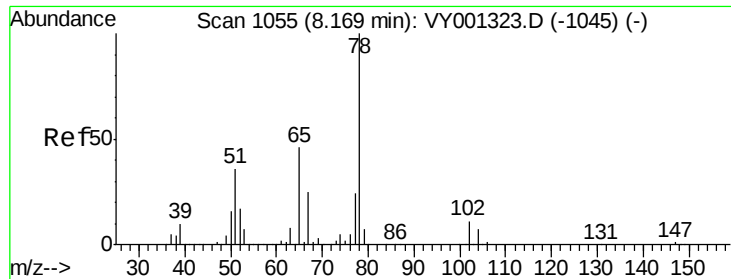
Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion:	97	Resp:	76599
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.3	76.9
61	44.9	35.9	53.9





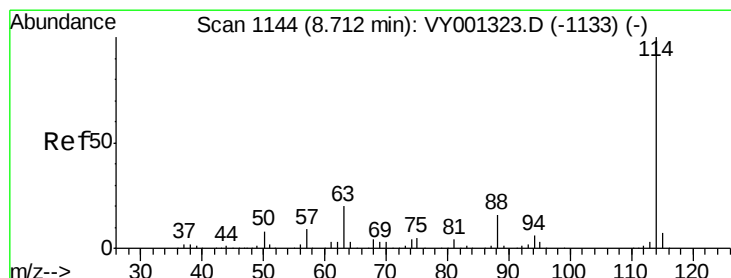
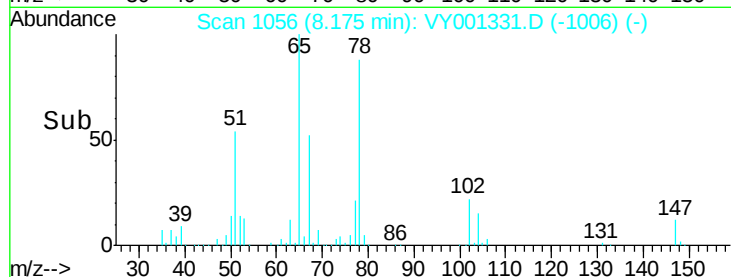
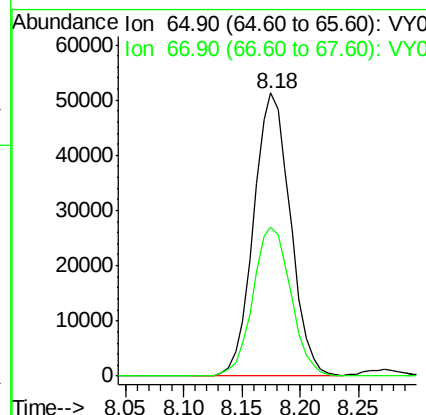
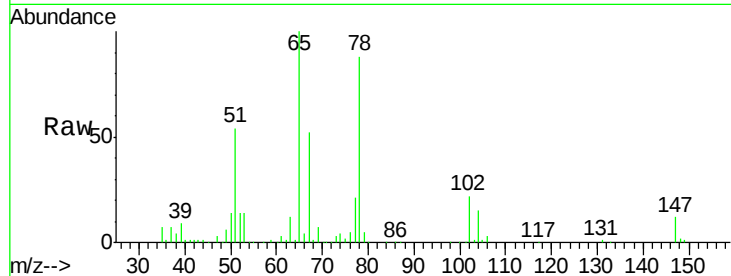
#33
 1,2-Dichloroethane-d4
 Concen: 48.076 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	108.6	

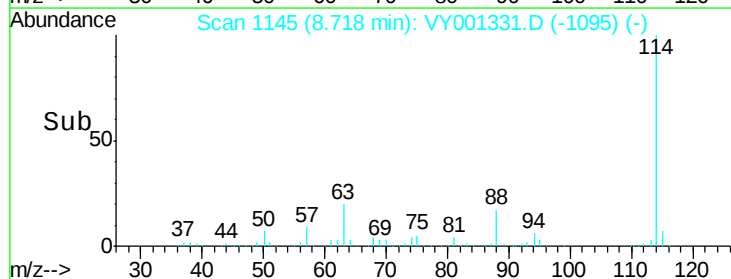
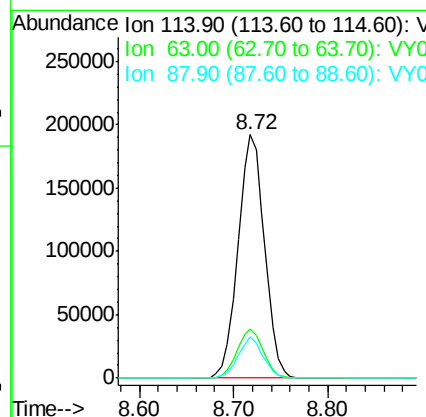
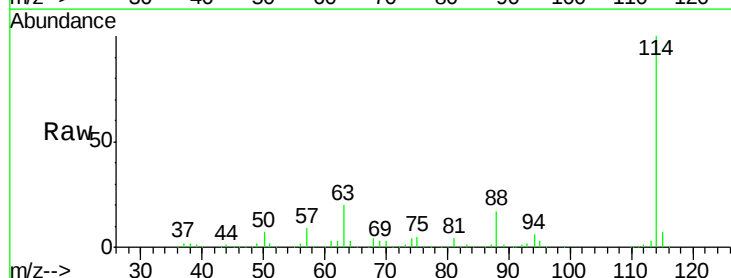
Manual Integrations
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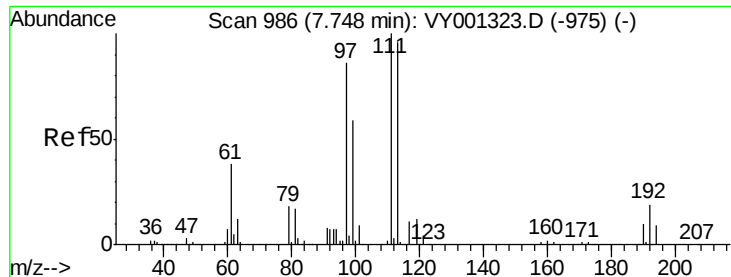
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 1/23/2020 10:56:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	40.8	
88	16.8	0.0	31.0	





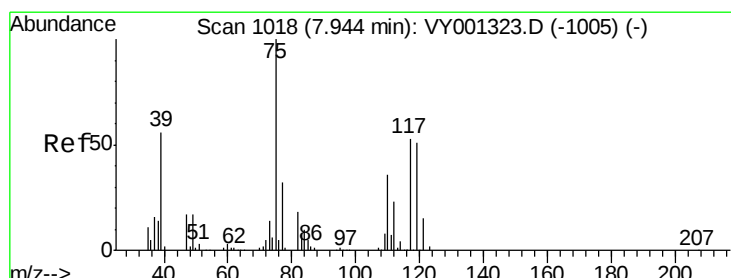
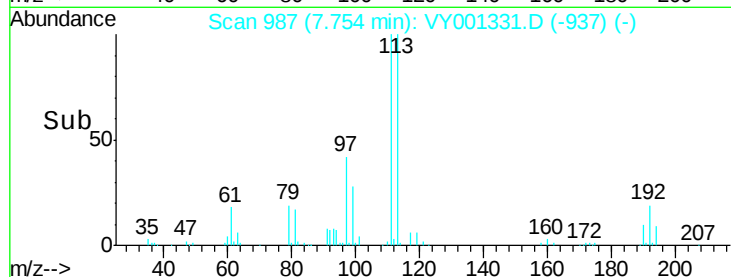
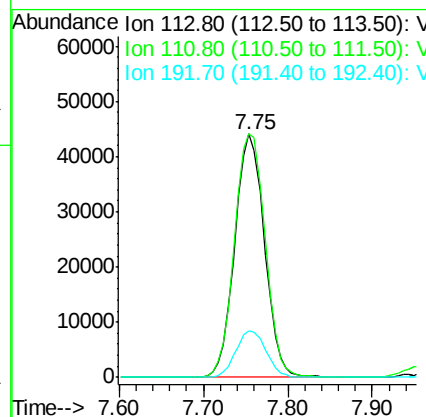
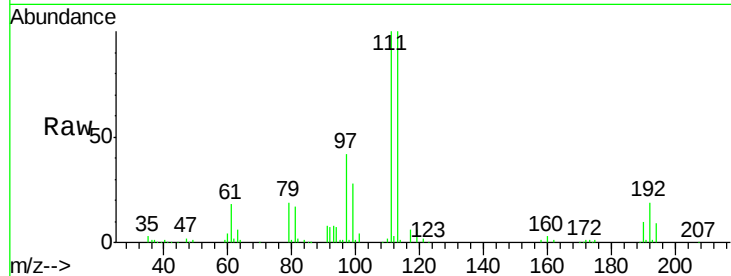
#35
Dibromofluoromethane
Concen: 47.861 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	105042		
111	103.9	82.8	124.2	
192	19.6	15.5	23.3	

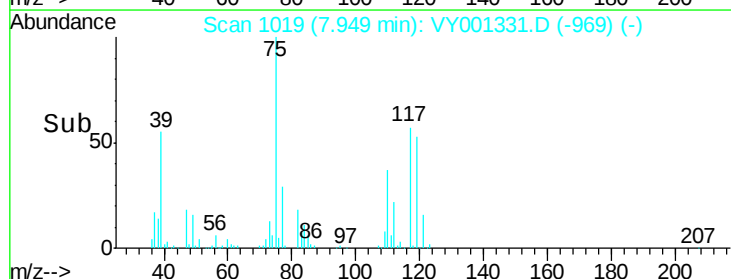
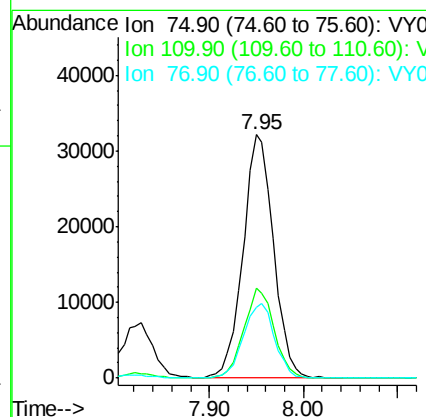
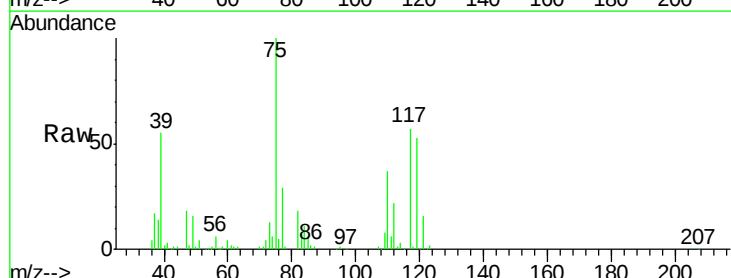
Manual Integrations
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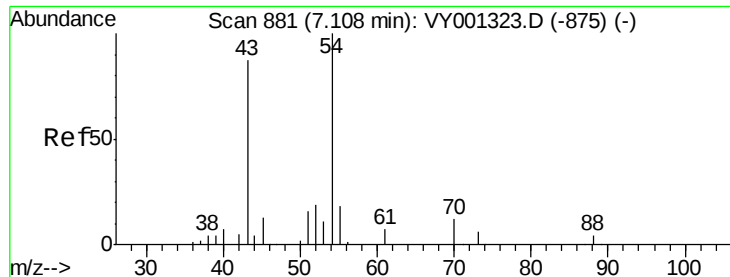
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#36
1,1-Dichloropropene
Concen: 20.575 ug/l
RT: 7.95 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72686		
110	36.4	17.6	52.8	
77	31.5	24.7	37.1	





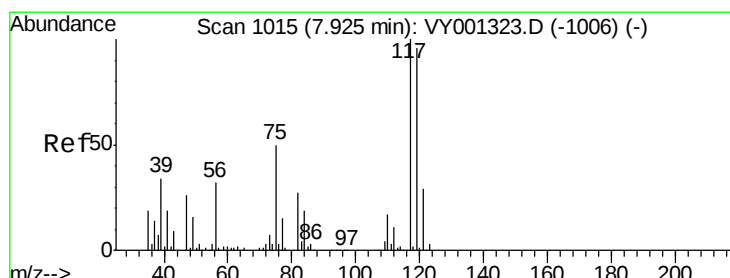
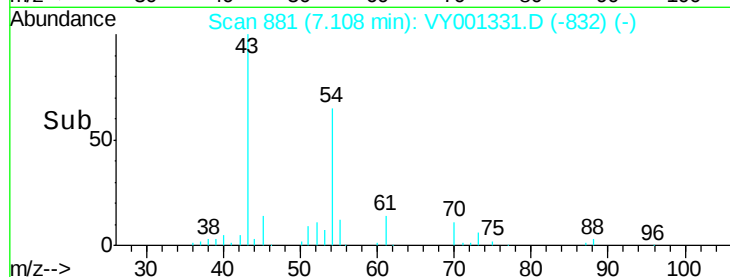
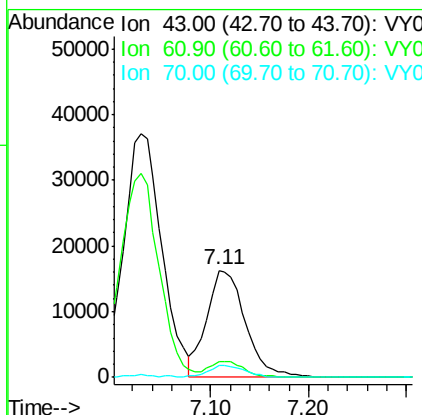
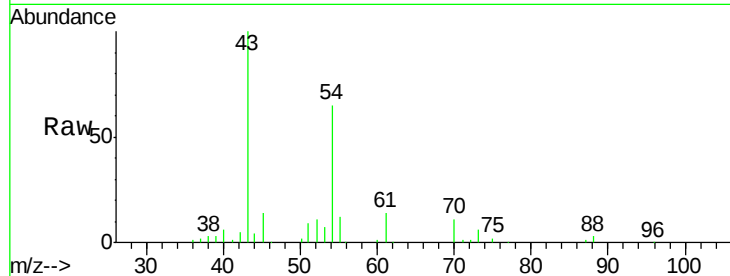
#37
Ethyl Acetate
Concen: 20.534 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	10.9	8.7	13.1

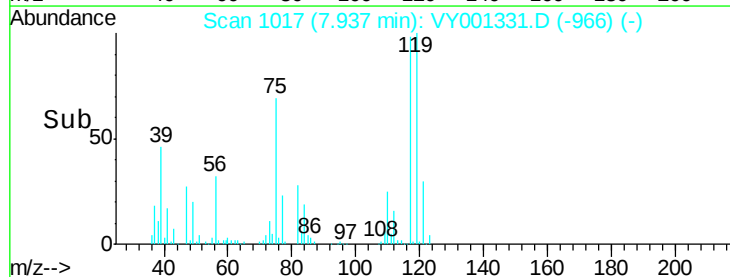
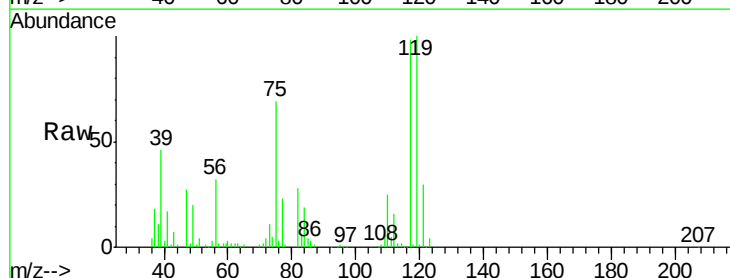
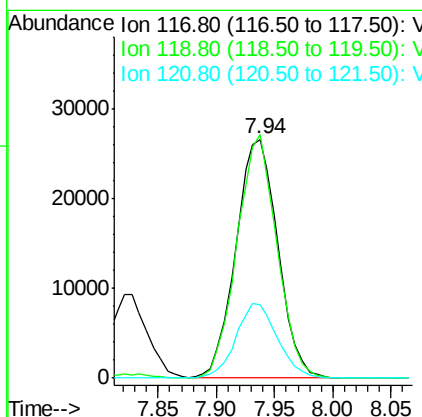
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#38
Carbon Tetrachloride
Concen: 21.275 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	76.3	114.5
121	30.5	23.5	35.3





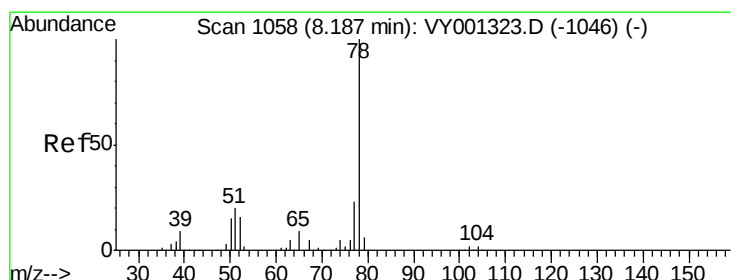
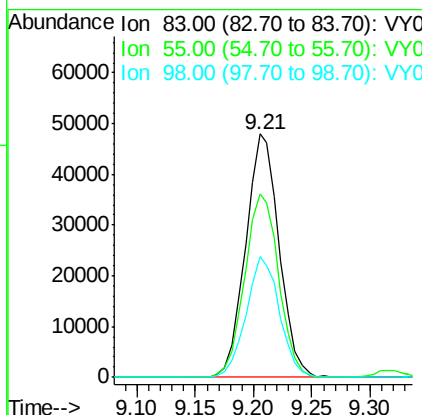
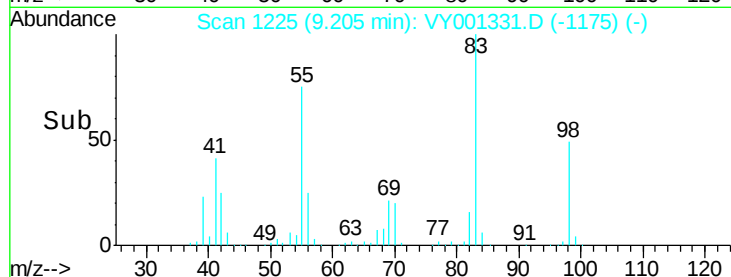
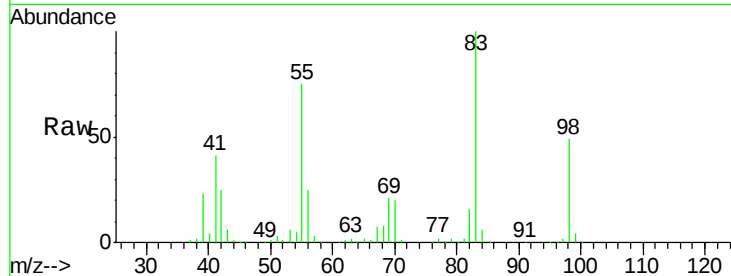
#39
Methylvlcyclohexane
Concen: 21.237 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	83	Resp	96113
Ion Ratio	100	Lower	Upper
83	100		
55	75.5	60.7	91.1
98	49.5	37.8	56.8

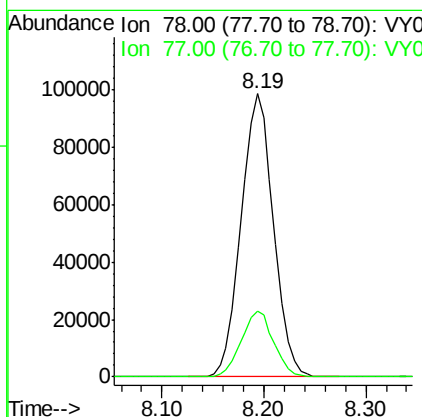
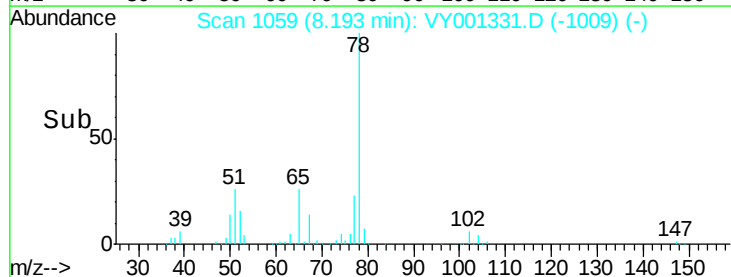
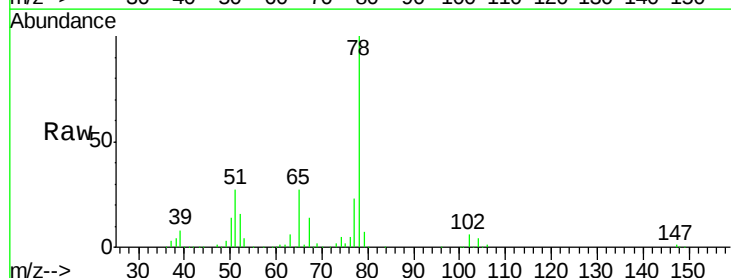
Manual Integrations
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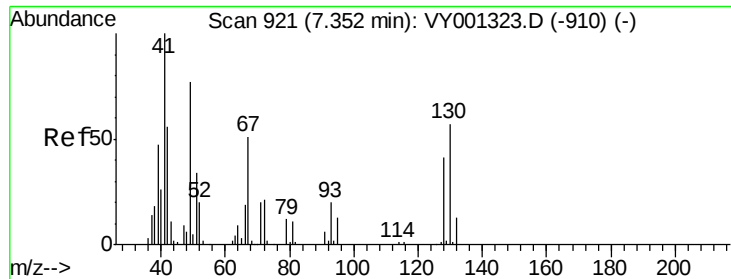
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#40
Benzene
Concen: 20.473 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	78	Resp	216867
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	18.6	27.8





#41

Methacrylonitrile

Concen: 22.560 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion: 41 Resp: 25128

Ion Ratio Lower Upper

41 100

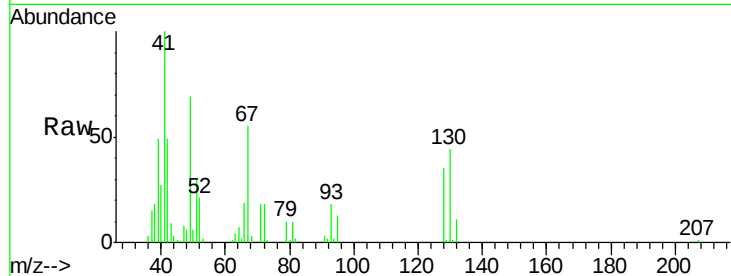
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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1/23/2020 10:56:27 AM

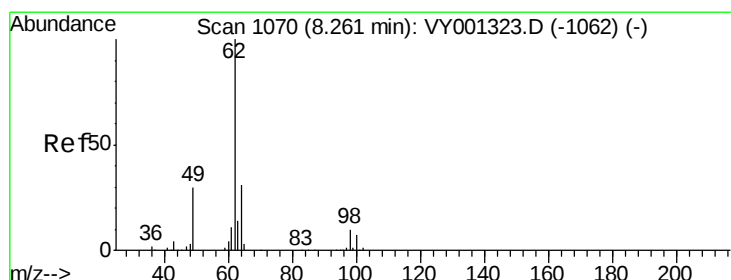
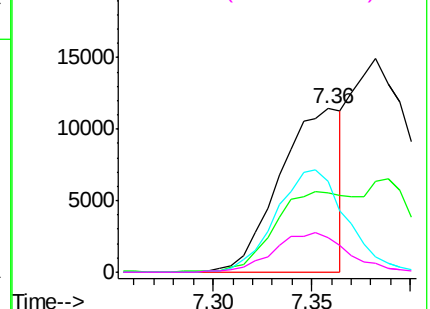
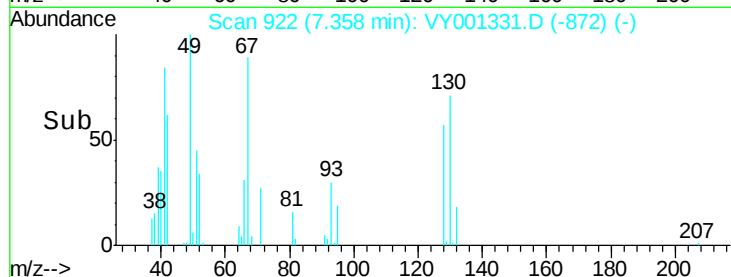


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 20.274 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. 0.01 min

Lab File: VY001331.D

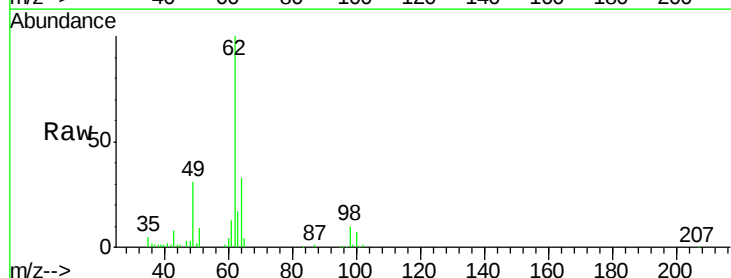
Acq: 22 Jan 2020 15:23

Tgt Ion: 62 Resp: 60008

Ion Ratio Lower Upper

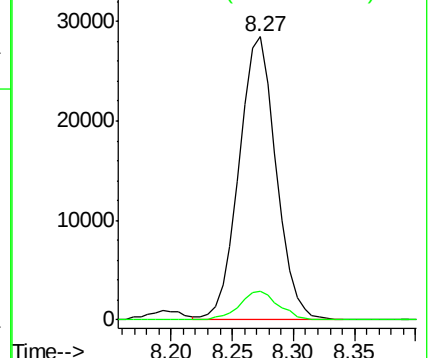
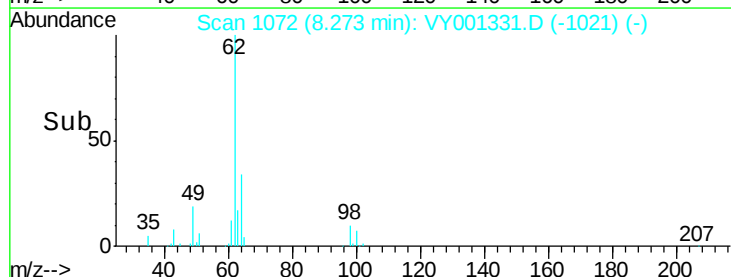
62 100

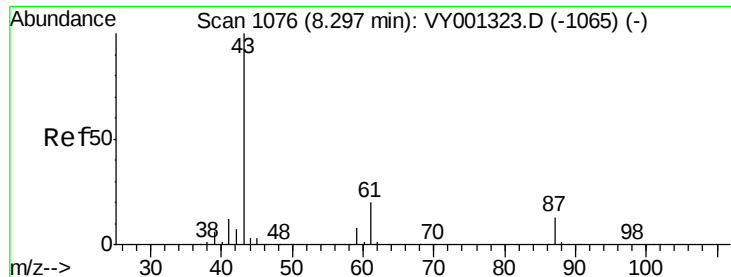
98 10.6 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#43

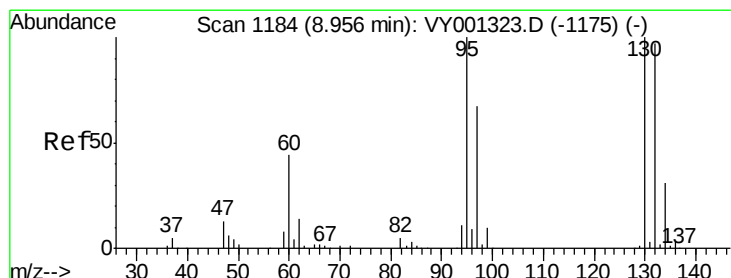
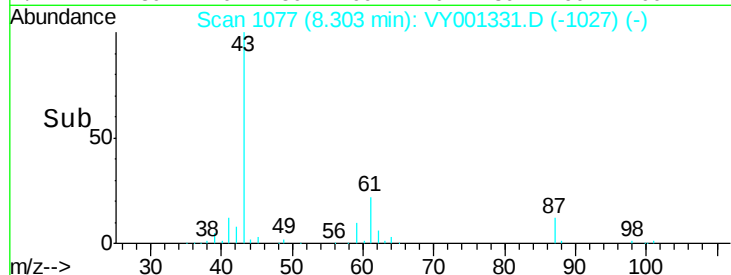
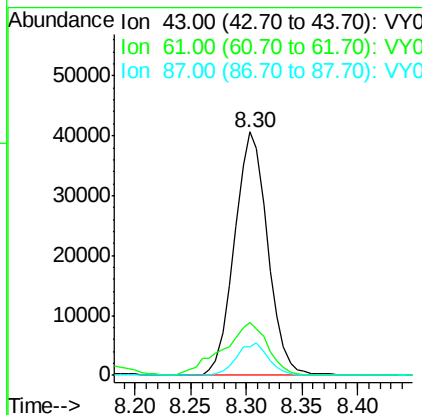
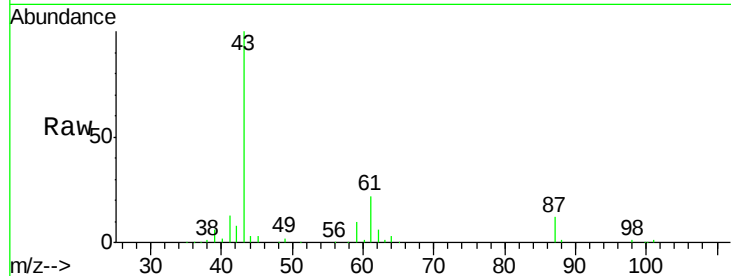
Isopropyl Acetate
 Concen: 20.008 ug/l
 RT: 8.30 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.7	34.1
87	12.8	11.0	16.4

Manual Integrations
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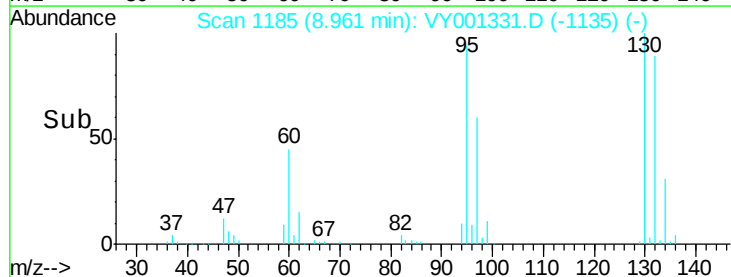
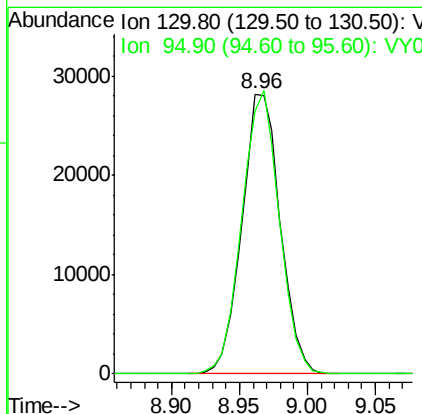
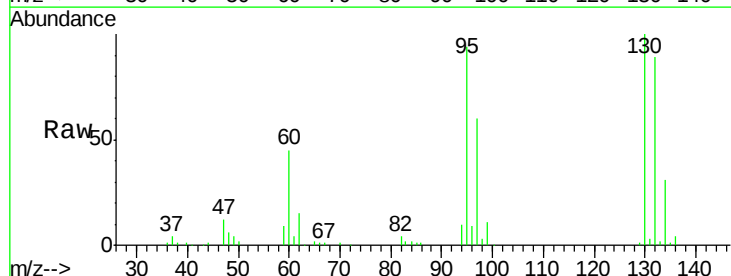
MMDadoda
 1/23/2020 10:56:27 AM

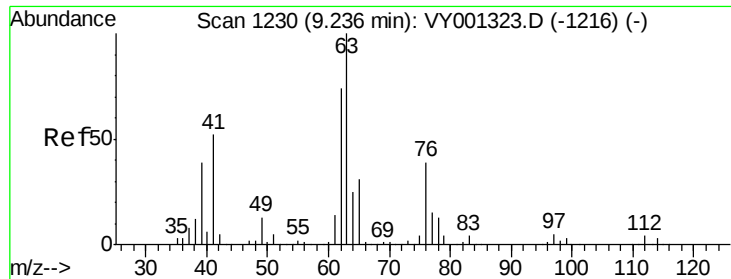


#44

Trichloroethene
 Concen: 20.480 ug/l
 RT: 8.96 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	200.0





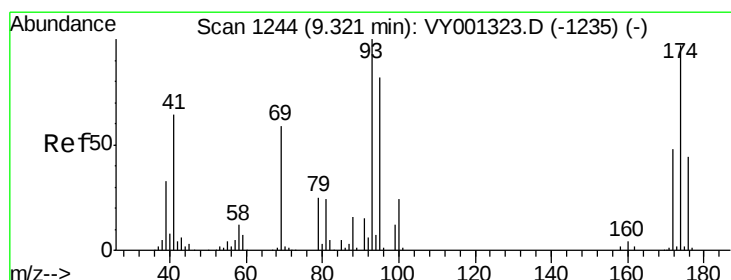
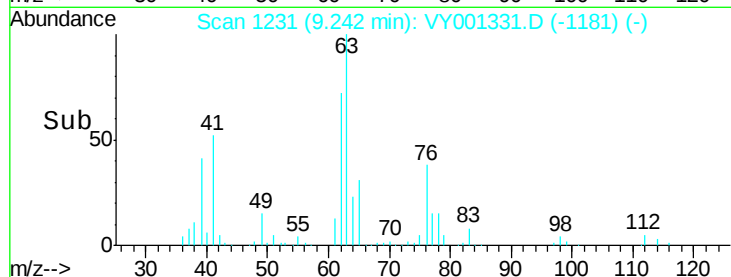
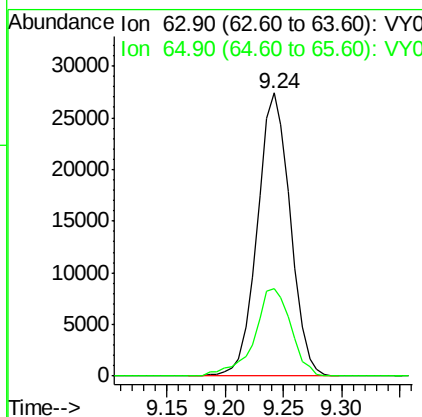
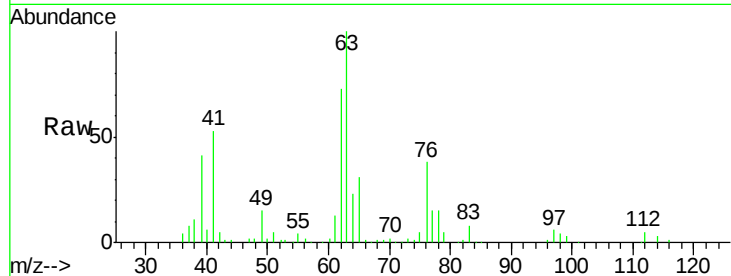
#45
 1,2-Dichloropropane
 Concen: 20.143 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3

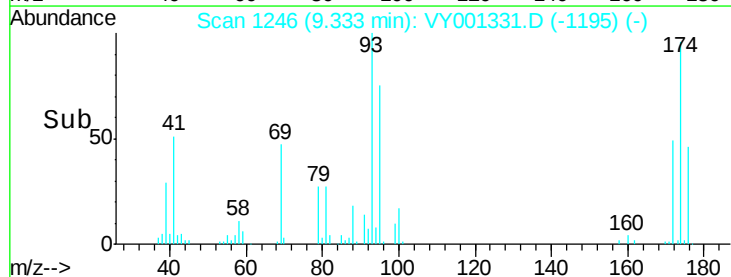
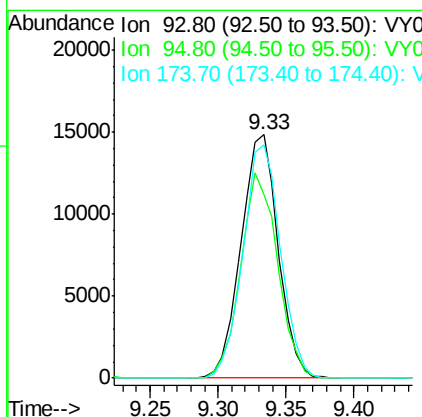
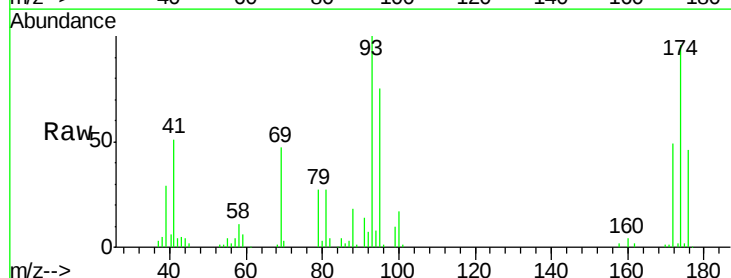
Manual Integrations
 APPROVED

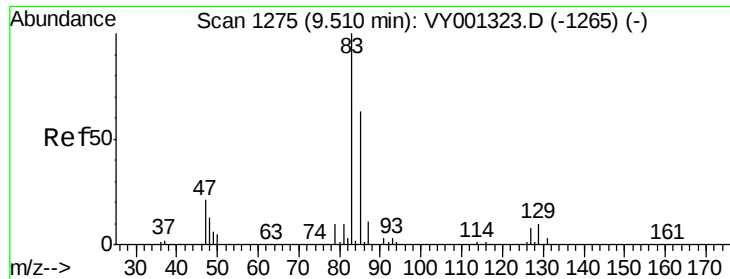
MMDadoda
 1/23/2020 10:56:27 AM



#46
 Dibromomethane
 Concen: 19.797 ug/l
 RT: 9.33 min Scan# 1246
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.5	99.7
174	96.8	77.9	116.9





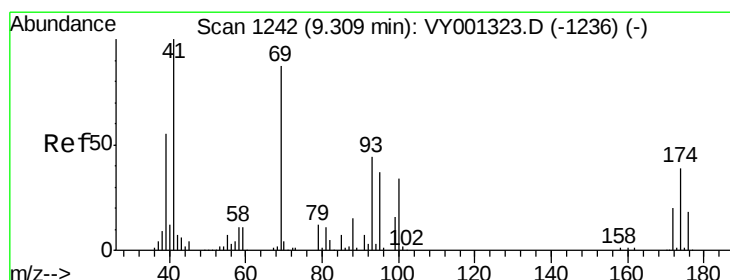
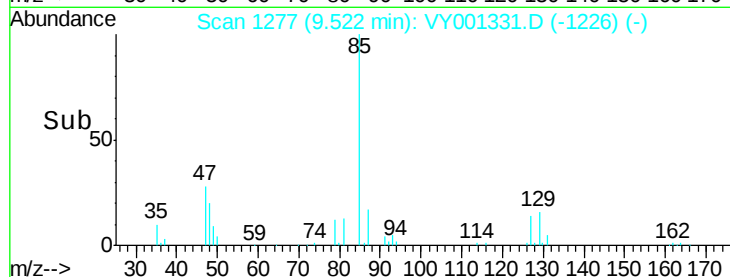
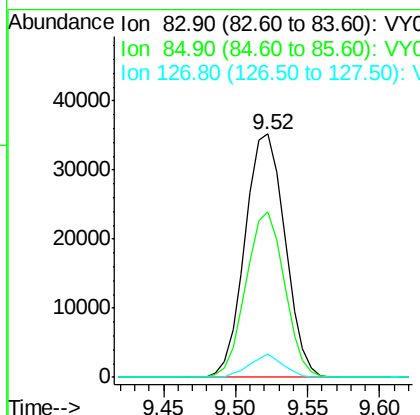
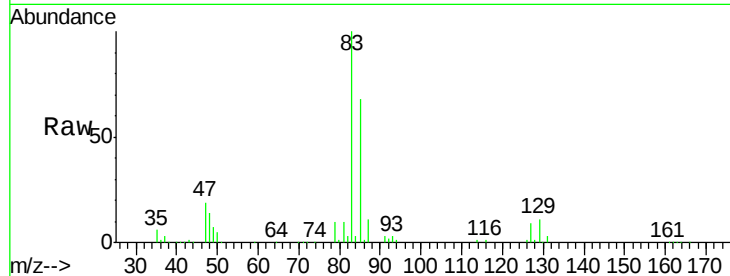
#47
Bromodichloromethane
Concen: 19.755 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	83	Resp	67891
Ion Ratio	100	Lower	Upper
83	100		
85	67.8	50.2	75.2
127	9.4	6.4	9.6

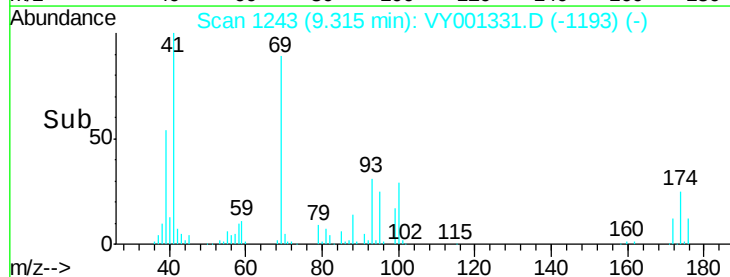
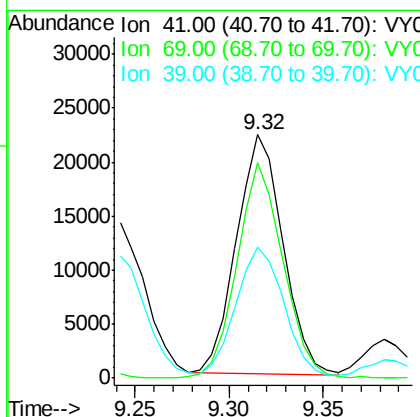
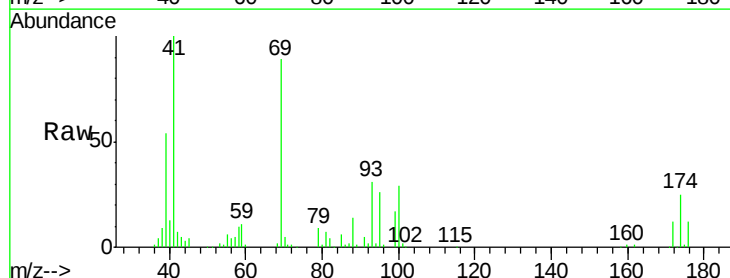
Manual Integrations
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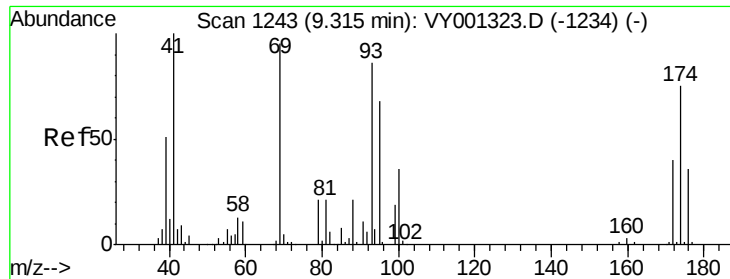
MMDadoda
1/23/2020 10:56:27 AM



#48
Methyl methacrylate
Concen: 19.825 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	41	Resp	37827
Ion Ratio	100	Lower	Upper
41	100		
69	89.1	70.2	105.4
39	54.6	45.7	68.5





#49

1,4-Dioxane

Concen: 419.525 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

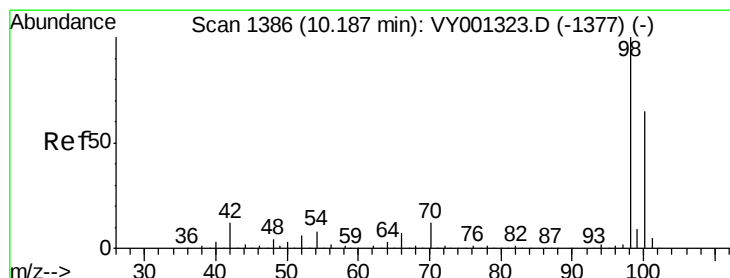
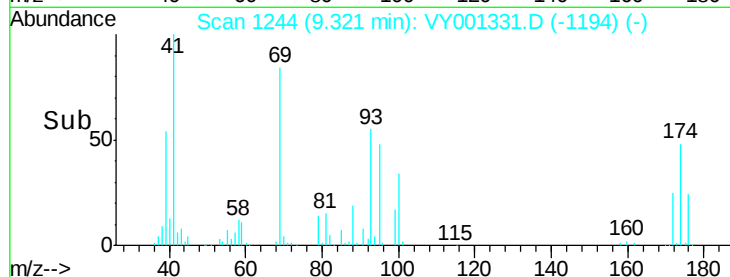
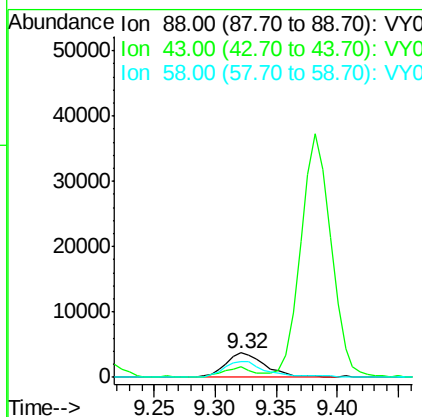
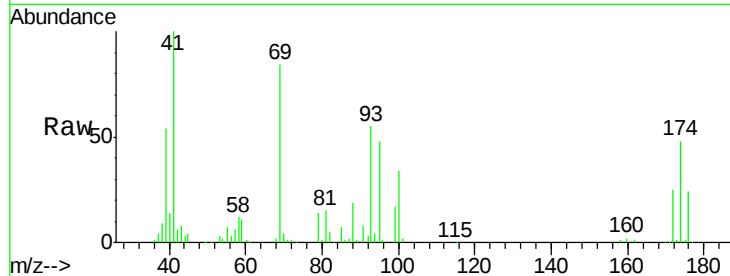
ClientSampleId :

VY0122SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	28.2	42.2
58	72.6	55.6	83.4

Manual Integrations
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1/23/2020 10:56:27 AM



#50

Toluene-d8

Concen: 50.640 ug/l

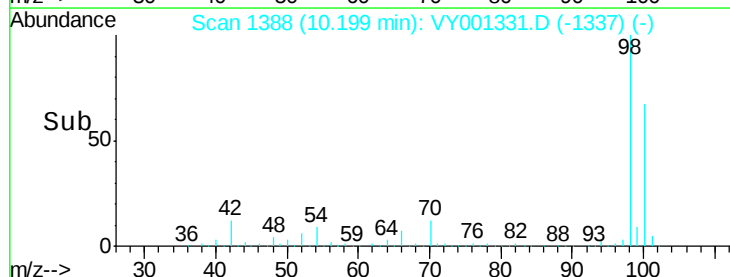
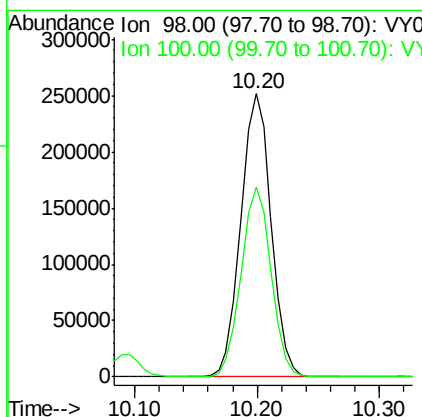
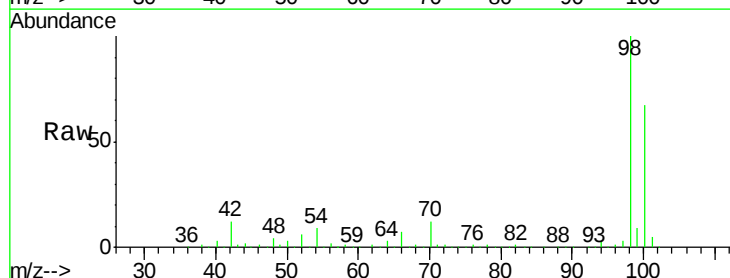
RT: 10.20 min Scan# 1388

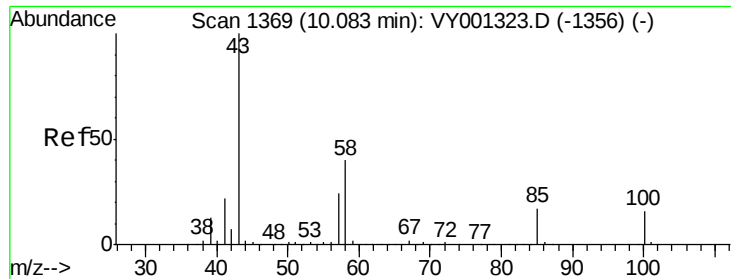
Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 100.174 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion: 43 Resp: 216519

Ion Ratio Lower Upper

43 100

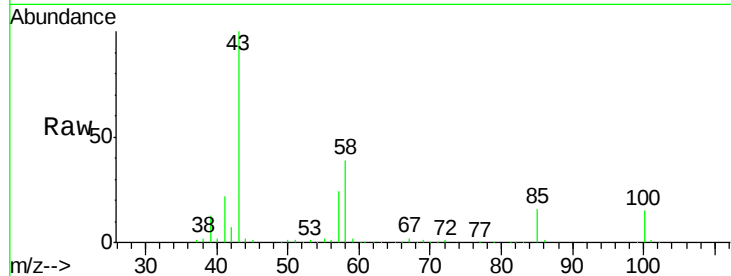
58 39.6 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

150000

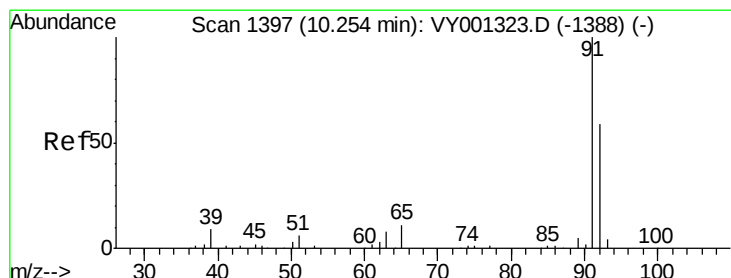
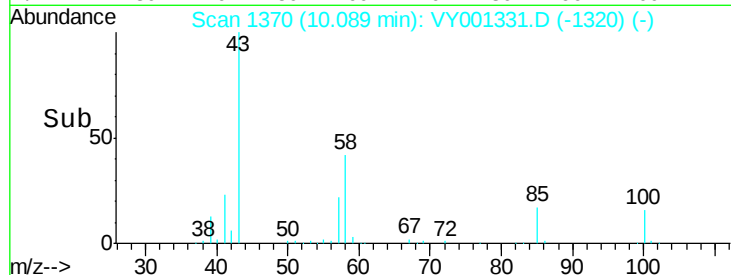
100000

50000

0

10.00 10.10 10.20

Time-->



#52

Toluene

Concen: 20.346 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001331.D

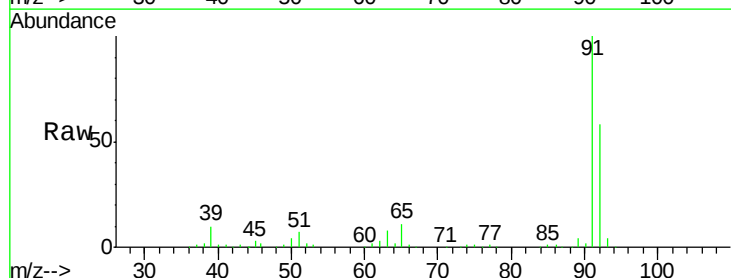
Acq: 22 Jan 2020 15:23

Tgt Ion: 92 Resp: 136621

Ion Ratio Lower Upper

92 100

91 172.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

150000

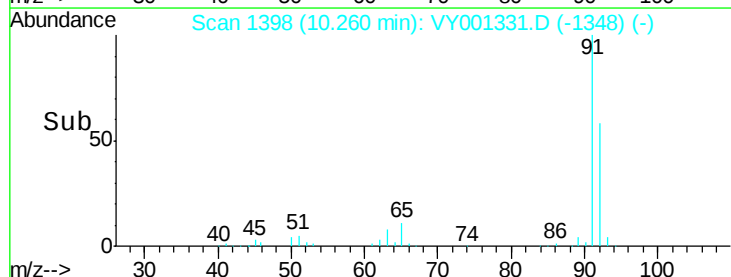
100000

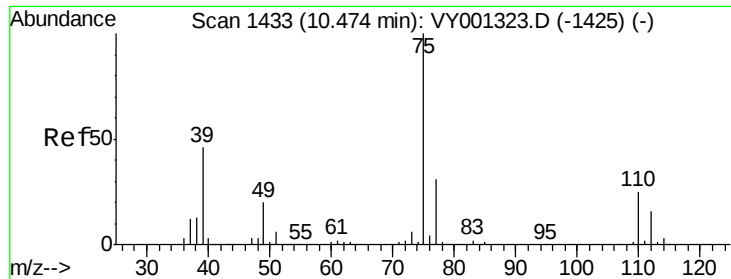
50000

0

10.20 10.30

Time-->





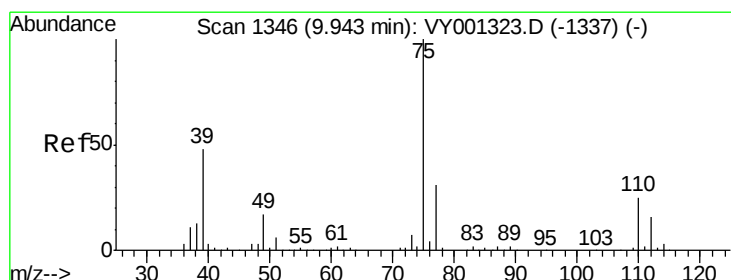
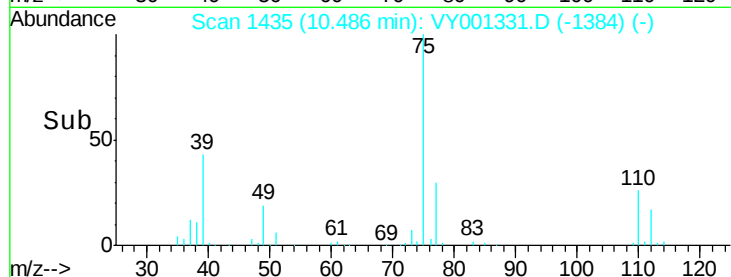
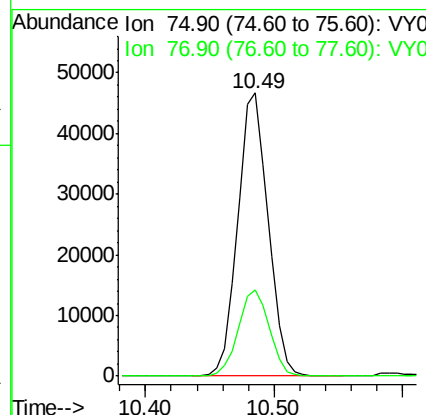
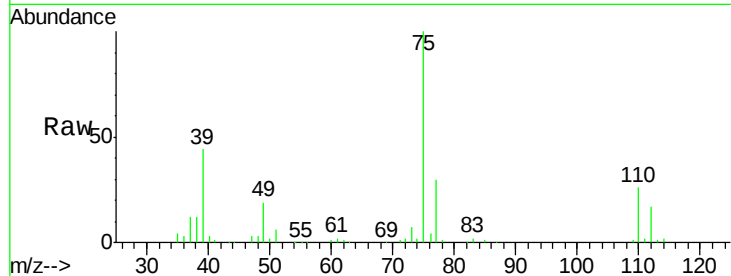
#53
 t-1,3-Dichloropropene
 Concen: 20.030 ug/l
 RT: 10.49 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion: 75 Resp: 76297
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.2 37.8

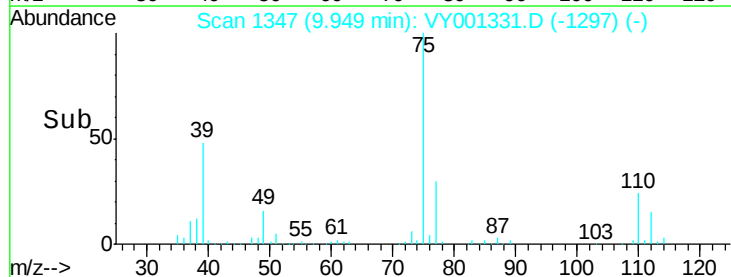
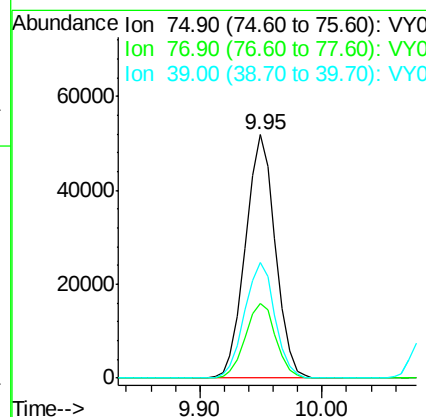
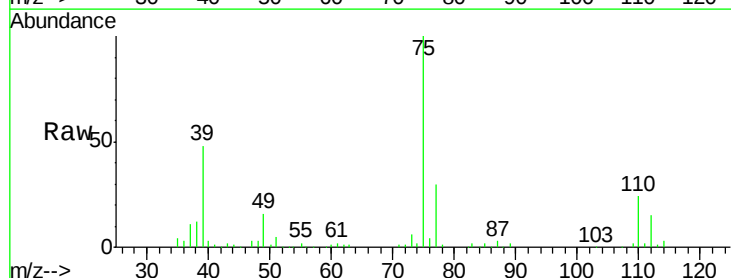
Manual Integrations
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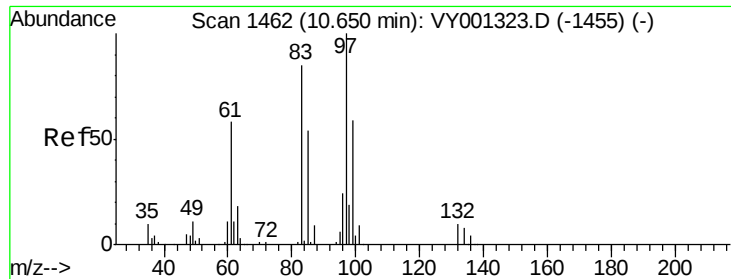
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.123 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion: 75 Resp: 87981
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.6
 39 47.7 38.2 57.4





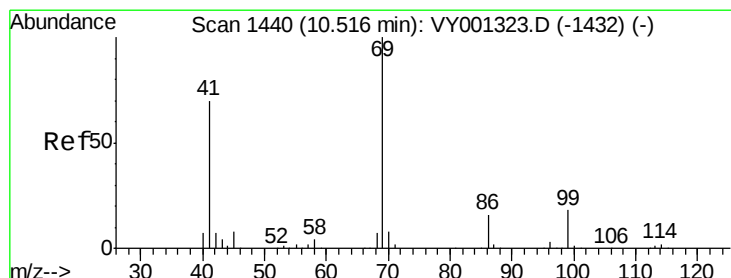
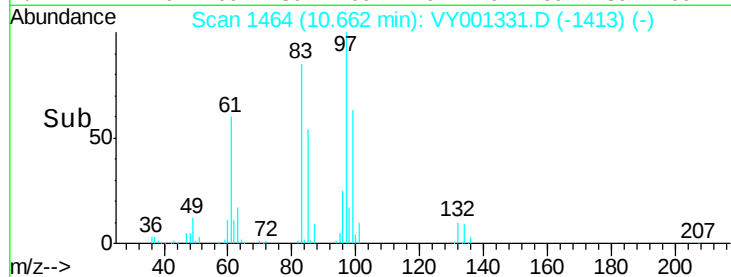
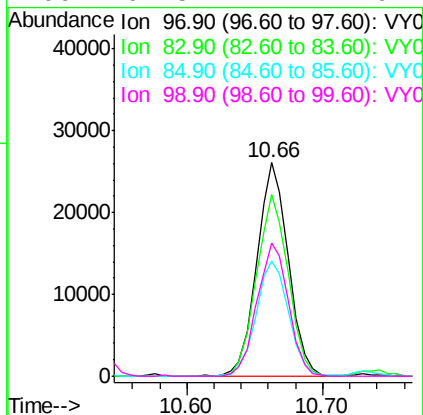
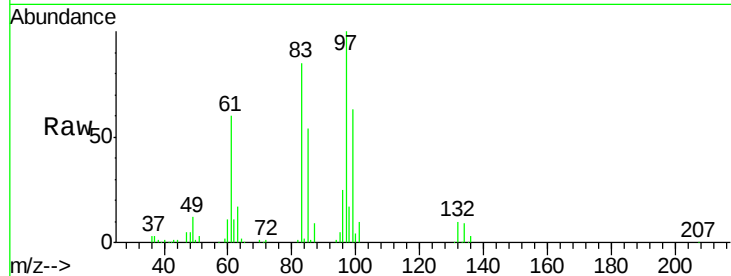
#55
 1,1,2-Trichloroethane
 Concen: 19.938 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.0	102.0
85	53.9	43.6	65.4
99	62.5	47.1	70.7

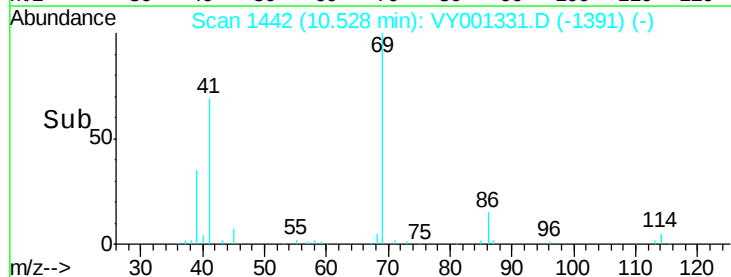
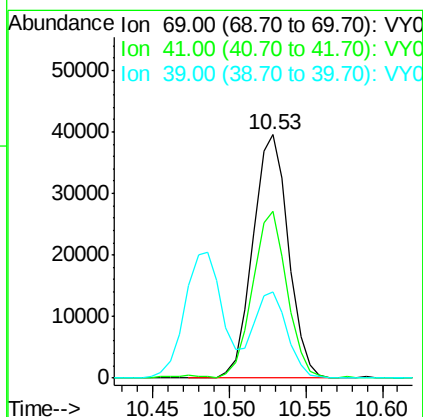
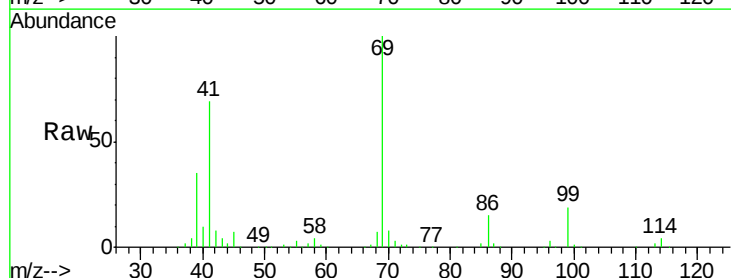
Manual Integrations
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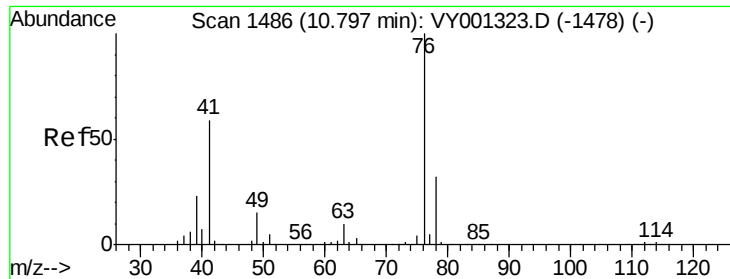
MMDadoda
 1/23/2020 10:56:27 AM



#56
 Ethyl methacrylate
 Concen: 19.913 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.2	54.1	81.1
39	34.9	26.8	40.2





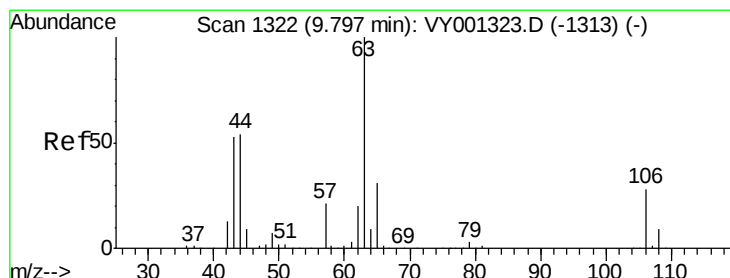
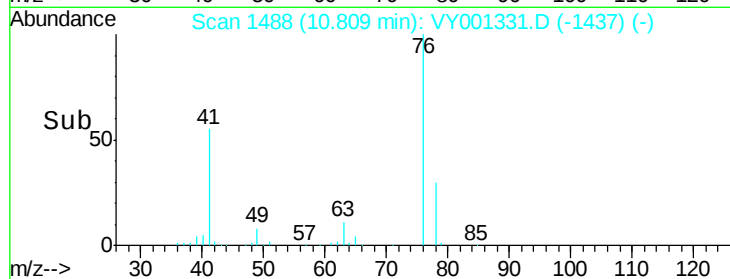
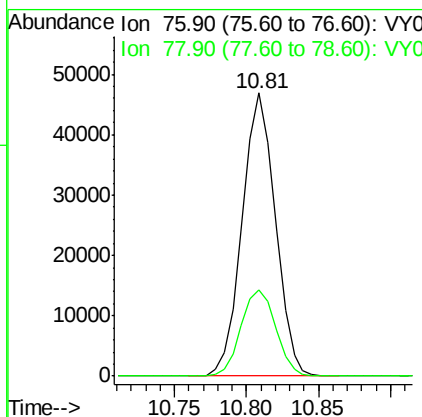
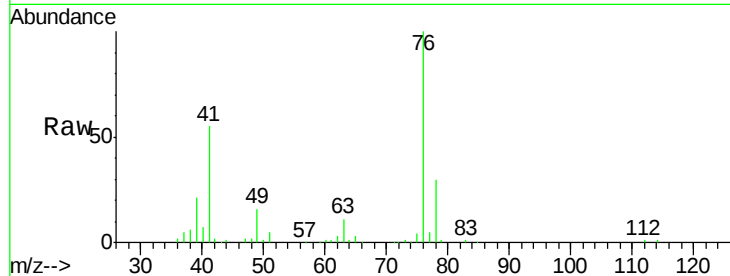
#57
 1,3-Dichloropropane
 Concen: 20.275 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion: 76 Resp: 74943
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

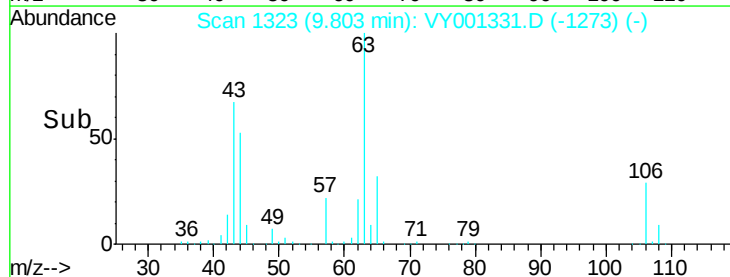
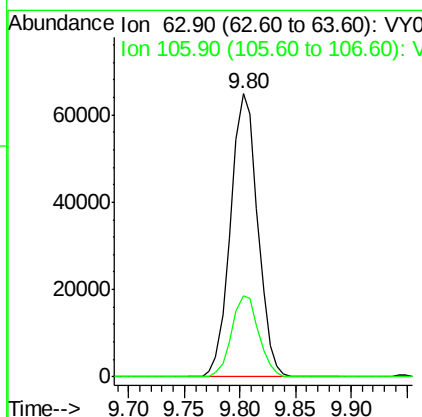
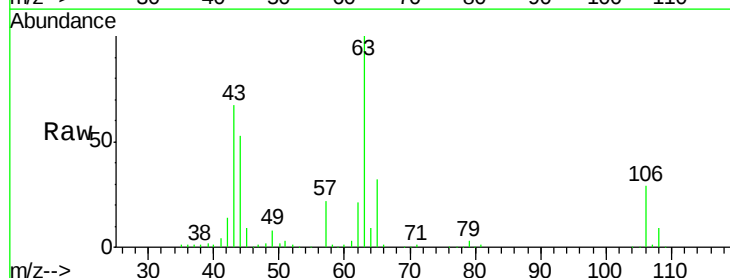
Manual Integrations
 APPROVED

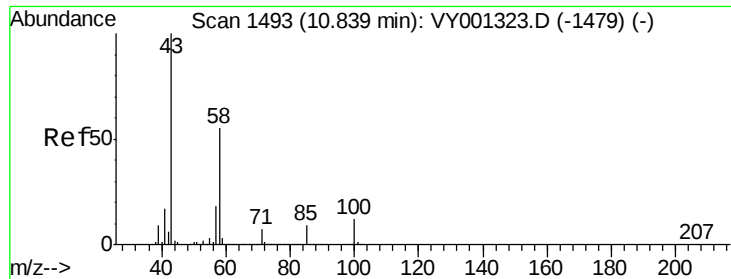
MMDadoda
 1/23/2020 10:56:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.754 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion: 63 Resp: 109592
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.5 33.7





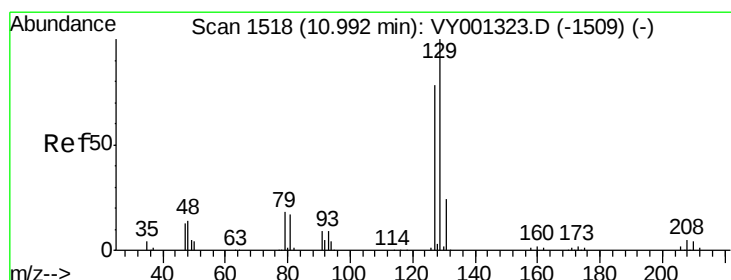
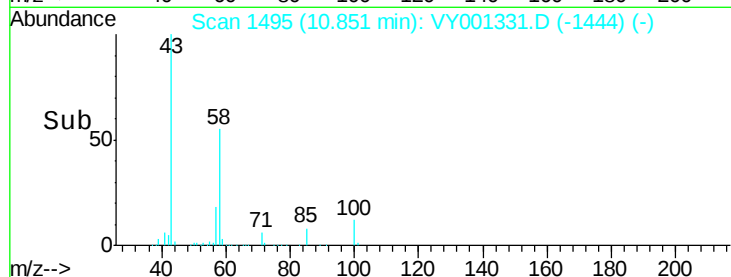
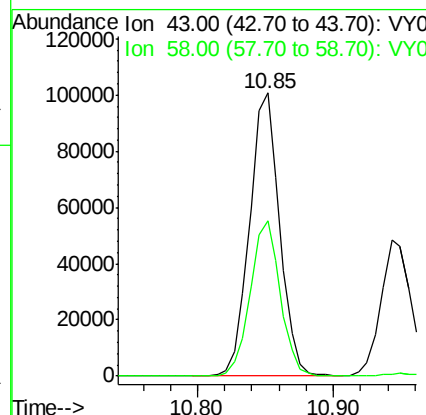
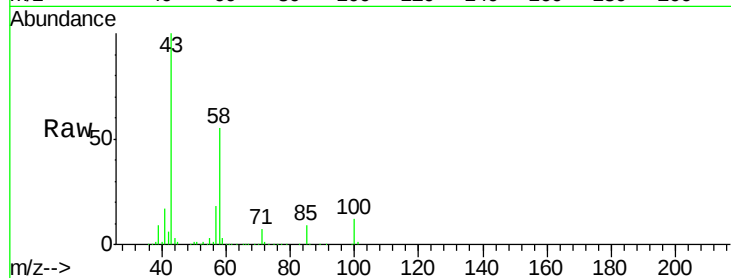
#59
2-Hexanone
Concen: 103.810 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	27.6	82.8

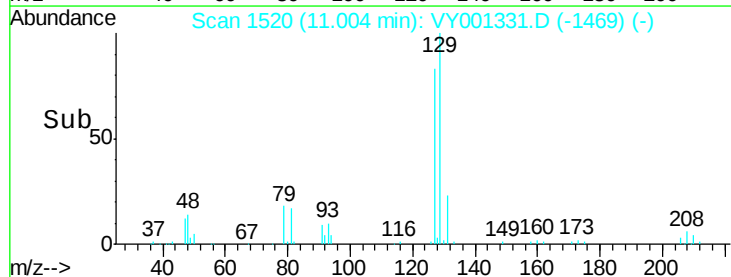
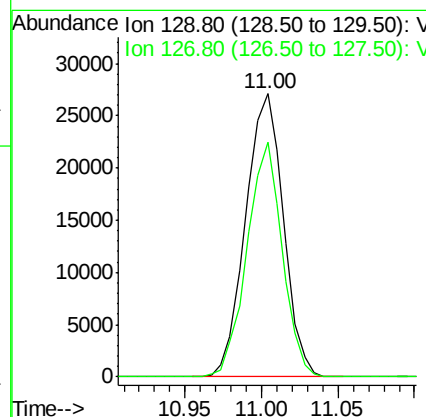
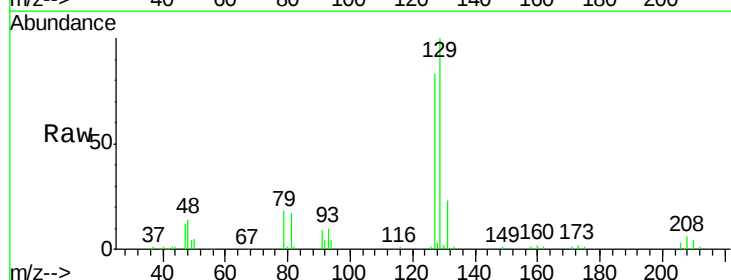
Manual Integrations
APPROVED

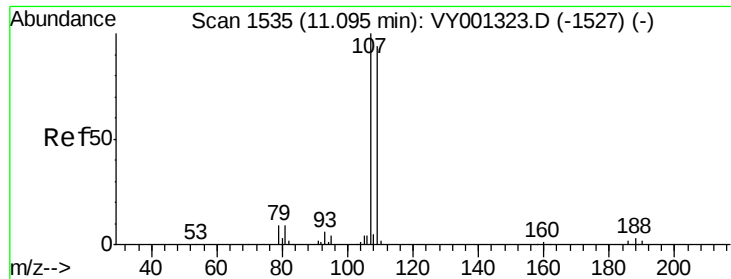
MMDadoda
1/23/2020 10:56:27 AM



#60
Dibromochloromethane
Concen: 19.615 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.8	116.4





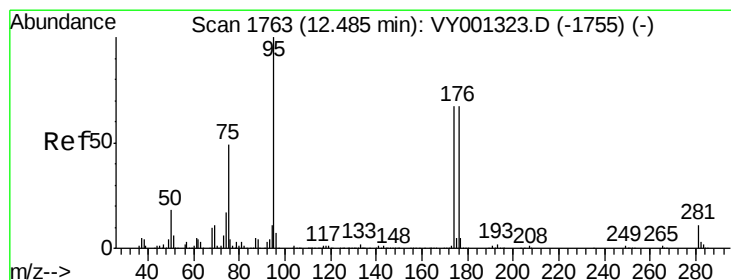
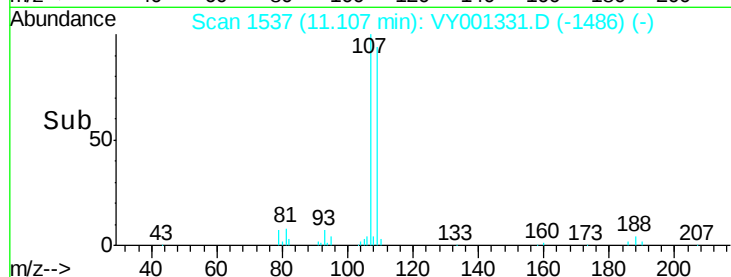
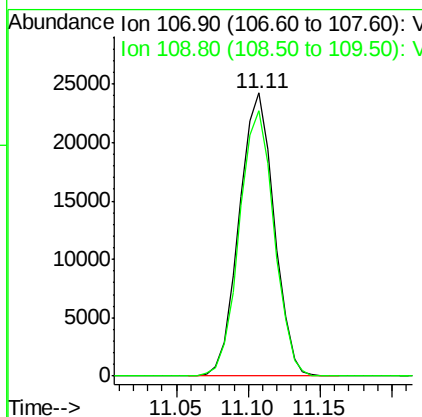
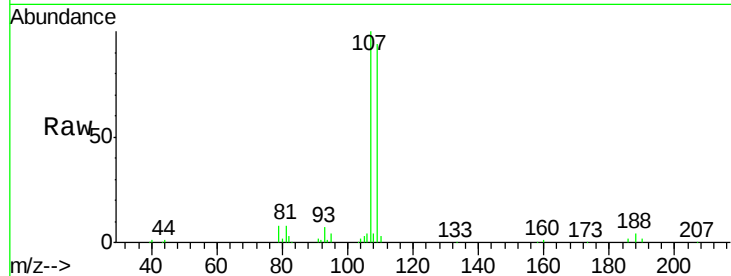
#61
 1,2-Dibromoethane
 Concen: 20.282 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.6

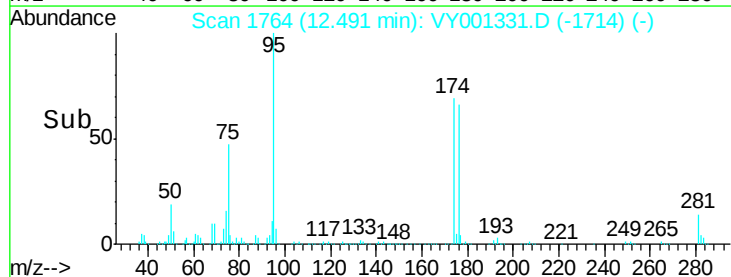
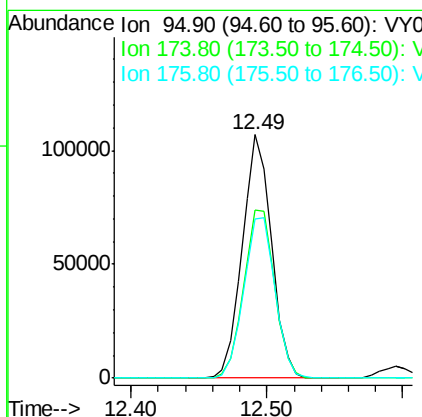
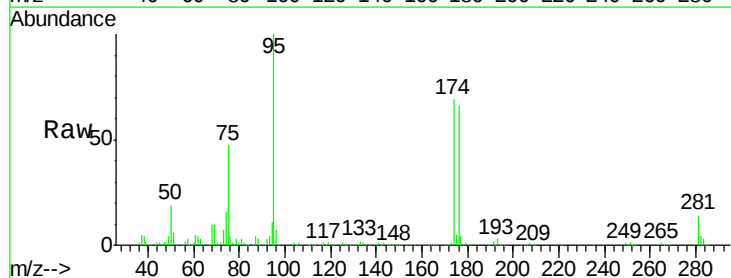
Manual Integrations
 APPROVED

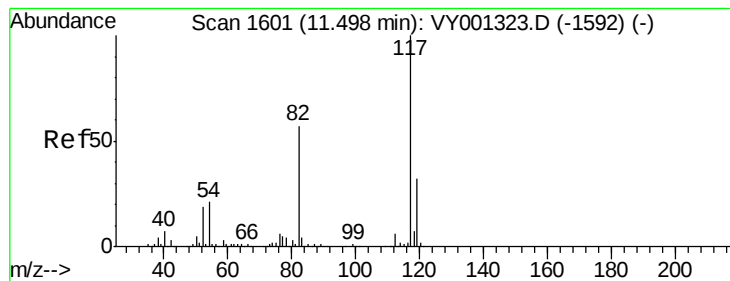
MMDadoda
 1/23/2020 10:56:27 AM



#62
 4-Bromofluorobenzene
 Concen: 47.147 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	142.0
176	70.8	0.0	138.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion:117 Resp: 329279

Ion Ratio Lower Upper

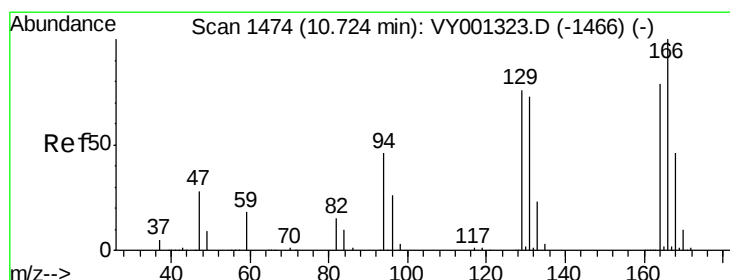
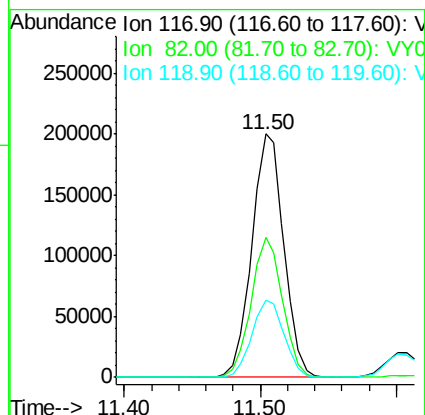
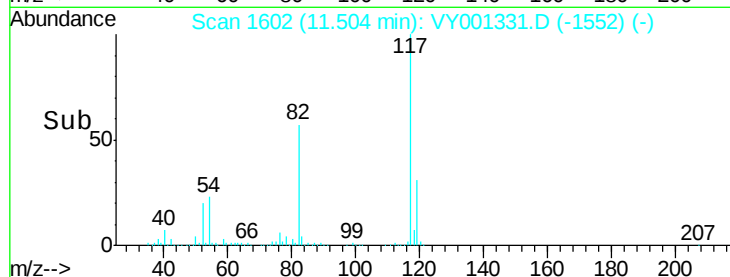
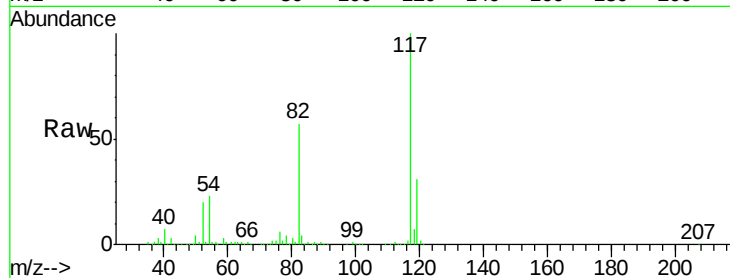
117 100

82 57.2 45.5 68.3

119 31.5 25.8 38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 20.746 ug/l

RT: 10.74 min Scan# 1476

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion:164 Resp: 43636

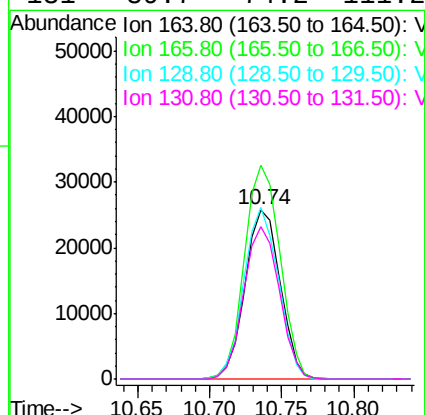
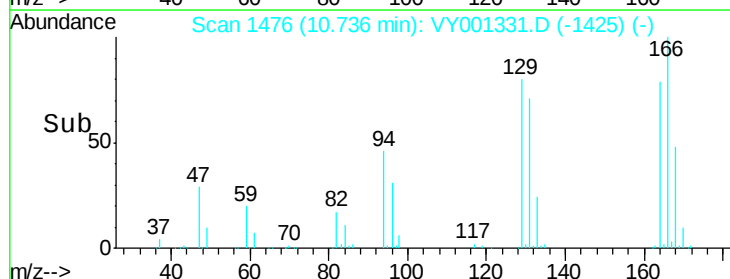
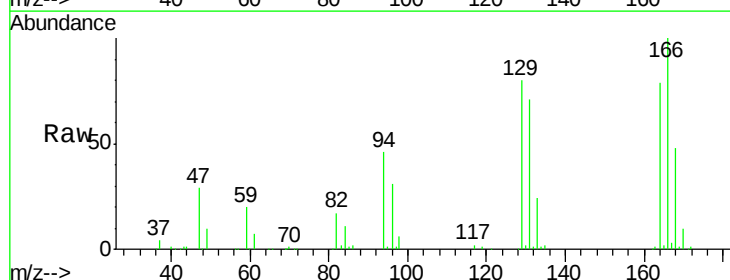
Ion Ratio Lower Upper

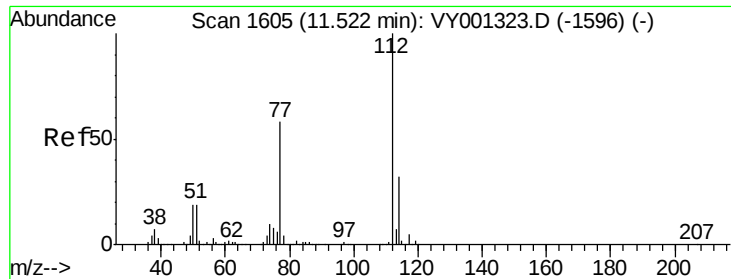
164 100

166 126.0 101.8 152.8

129 101.0 77.1 115.7

131 89.7 74.2 111.2





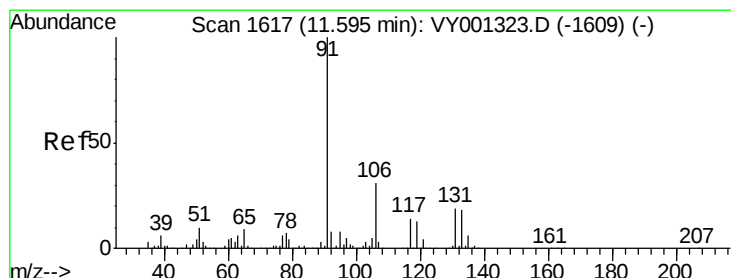
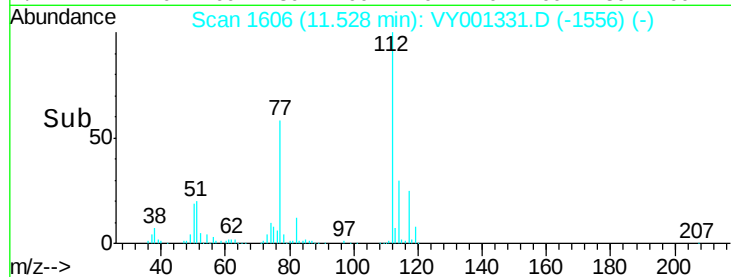
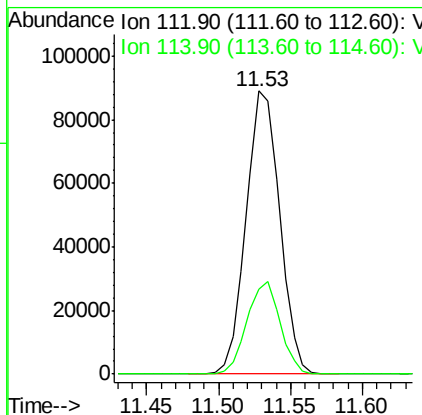
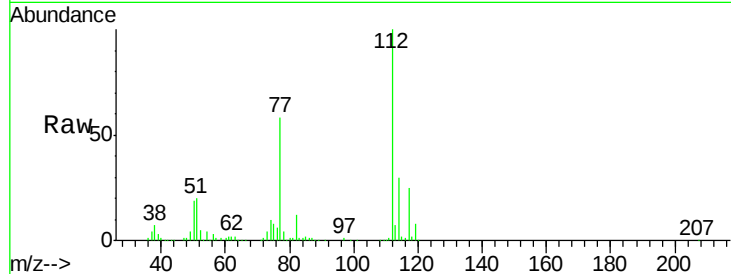
#65
Chlorobenzene
Concen: 20.685 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	25.8	38.6

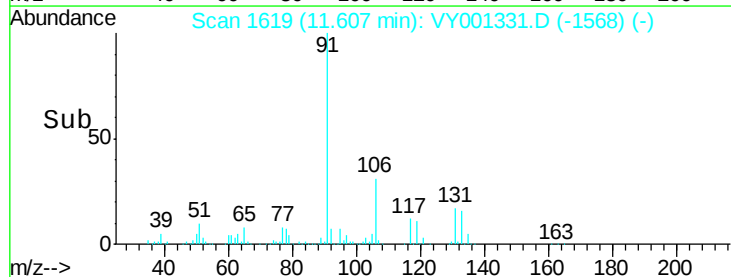
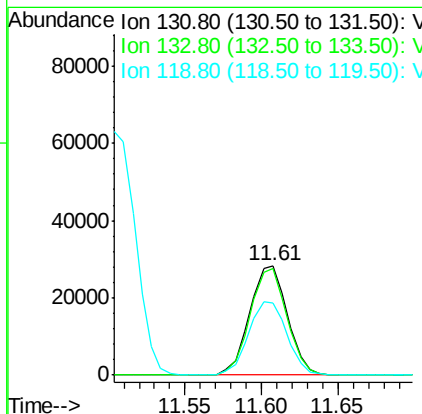
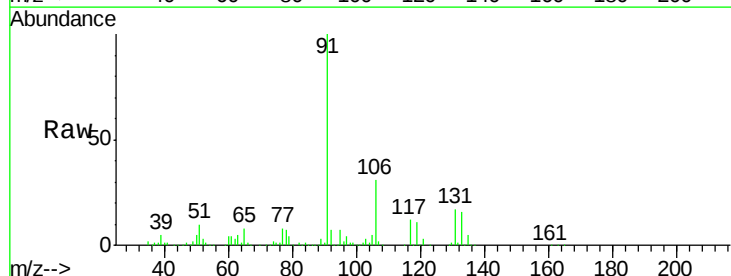
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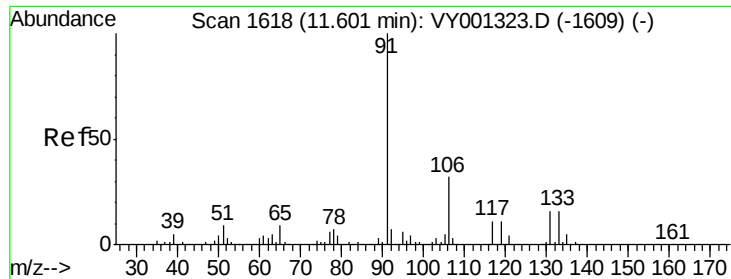
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.528 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.1	141.3
119	68.4	34.1	102.2





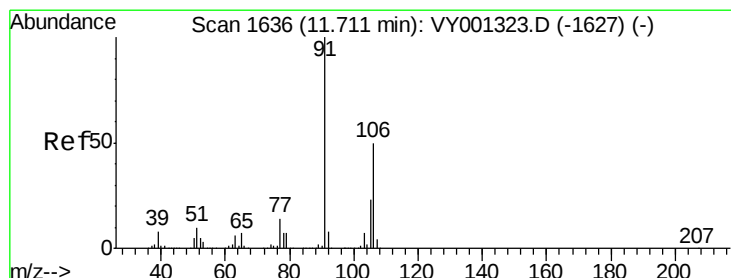
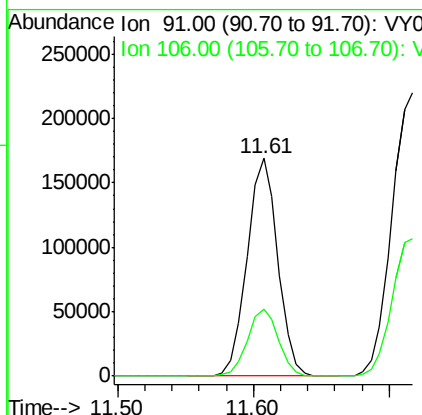
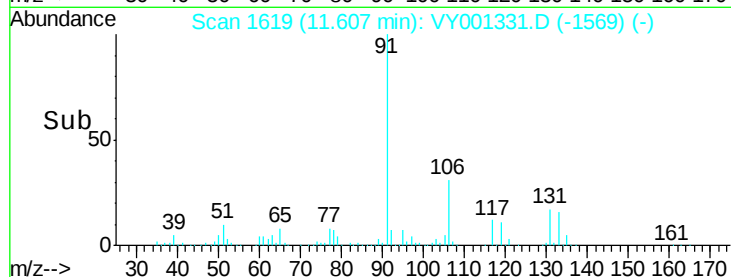
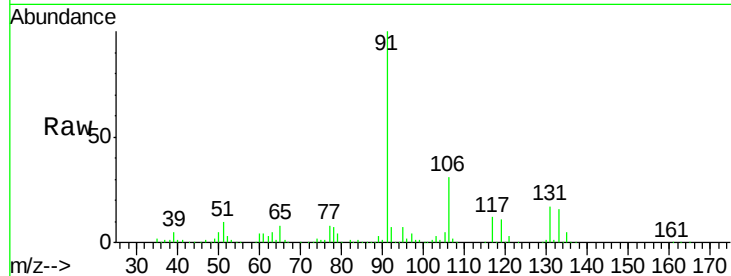
#67
Ethyl Benzene
Concen: 20.807 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion: 91 Resp: 266146
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0

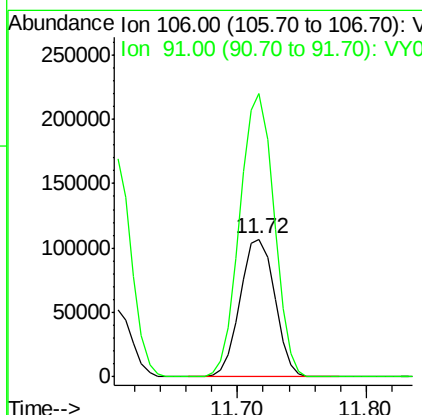
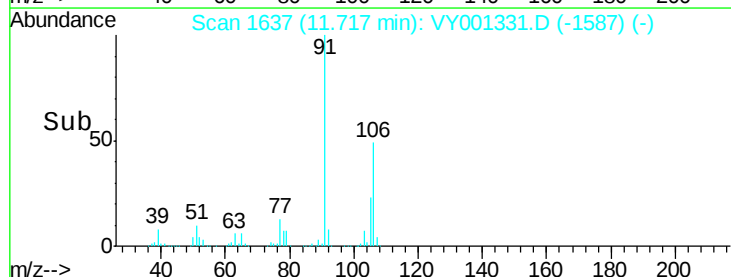
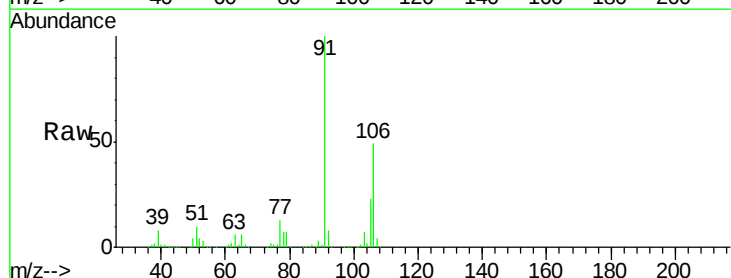
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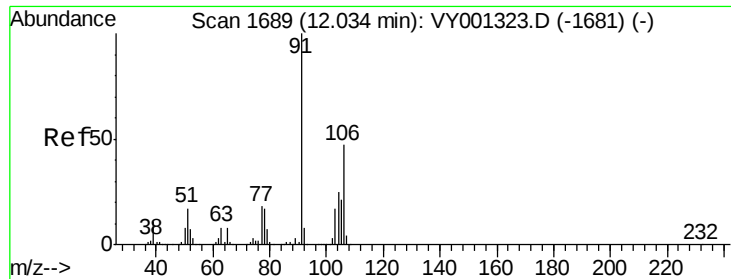
MMDadoda
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#68
m/p-Xylenes
Concen: 41.643 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion: 106 Resp: 198942
Ion Ratio Lower Upper
106 100
91 203.3 162.8 244.2





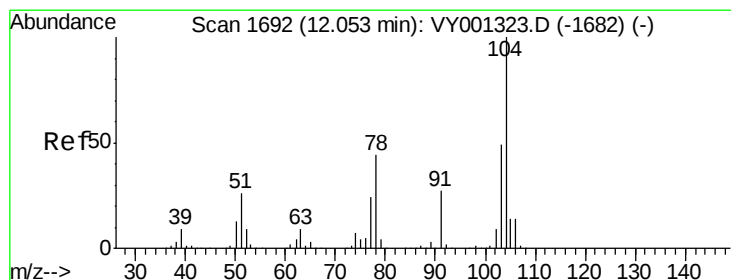
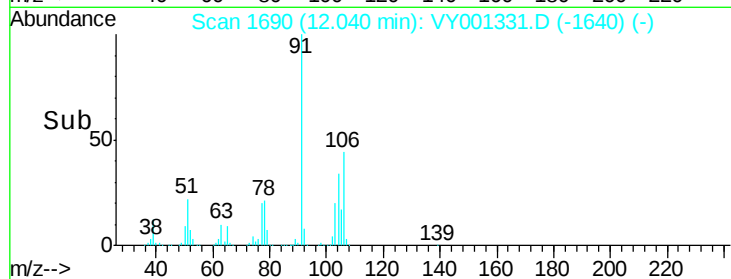
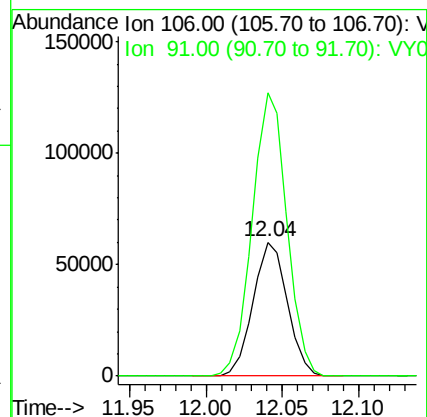
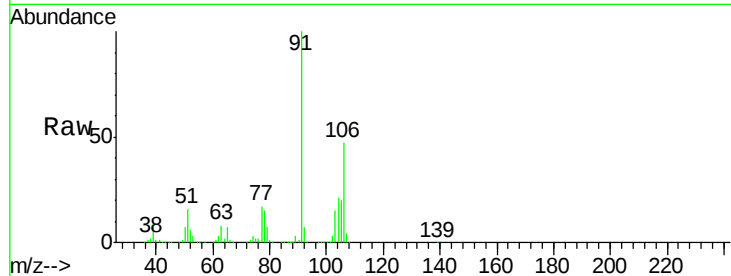
#69
o-Xylene
Concen: 20.347 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.9	106.3	319.0	

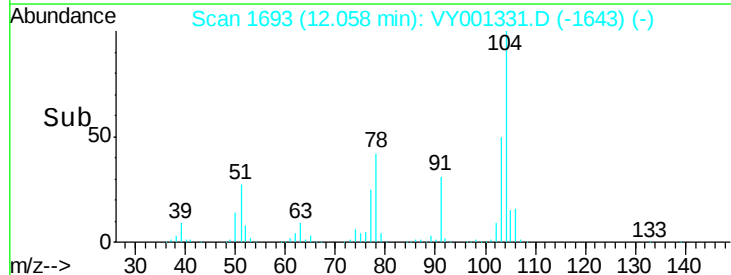
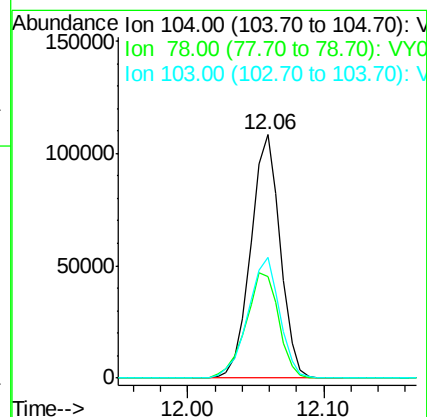
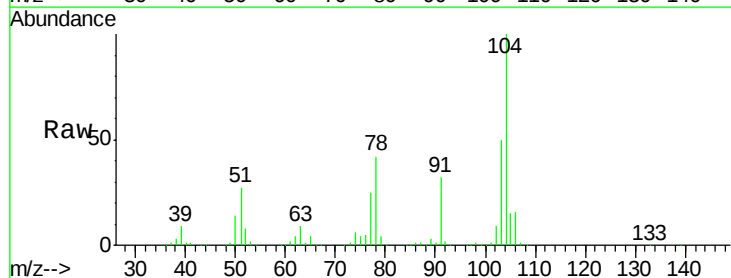
Manual Integrations
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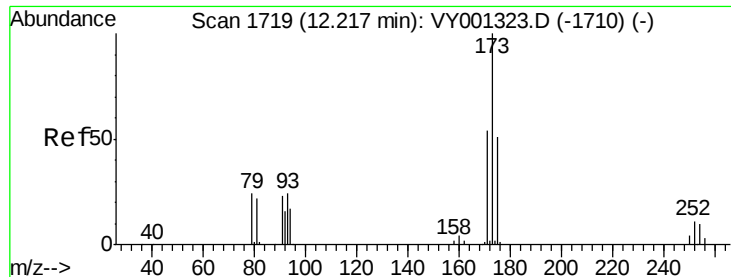
MMDadoda
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#70
Styrene
Concen: 20.427 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	39.8	59.8	
103	53.3	43.2	64.8	





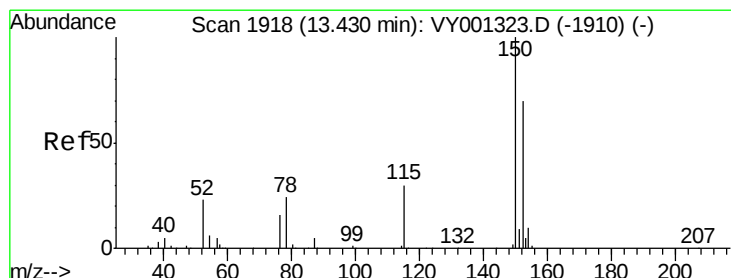
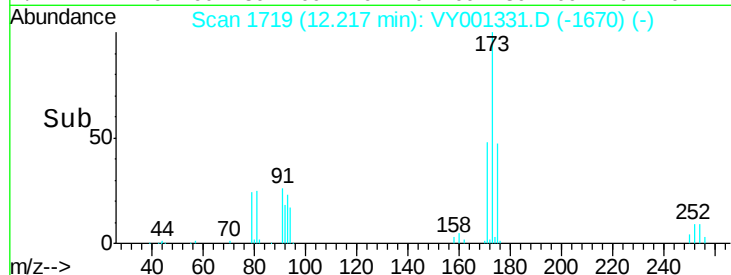
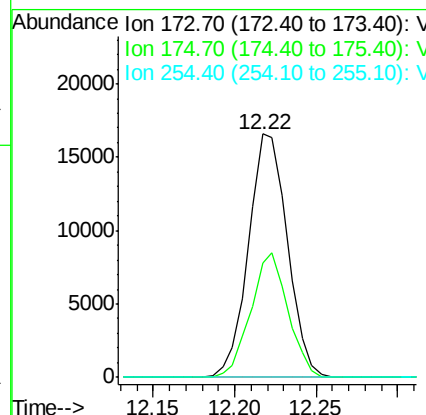
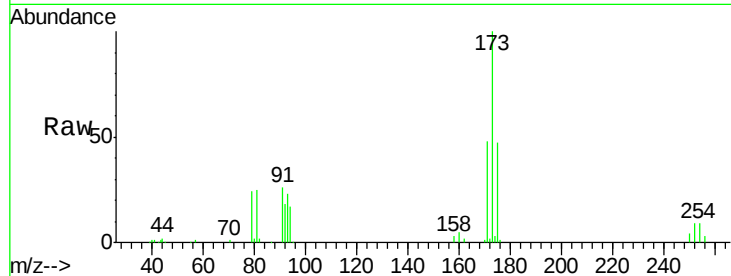
#71
Bromoform
Concen: 19.504 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.0	0.0	0.0

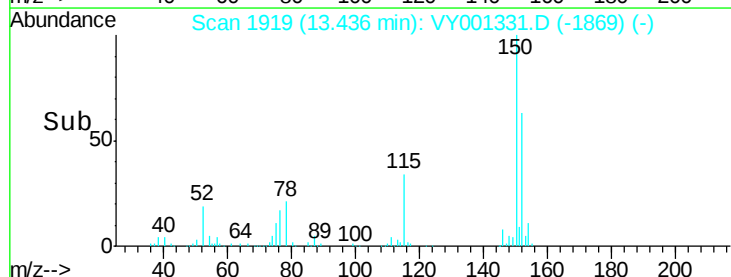
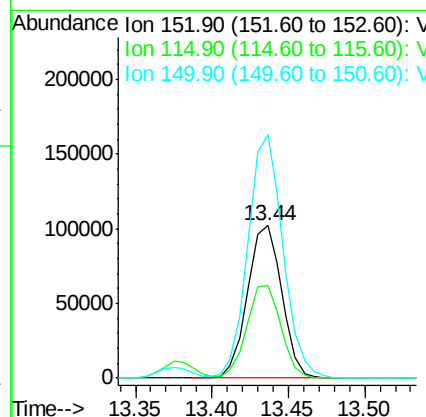
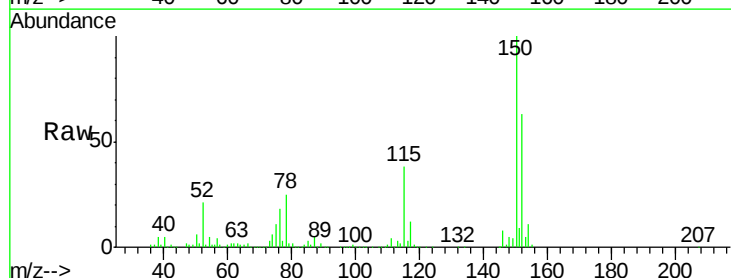
Manual Integrations
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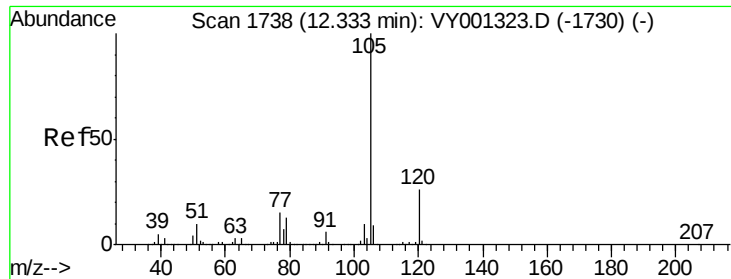
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.9	92.8
150	163.2	0.0	349.2





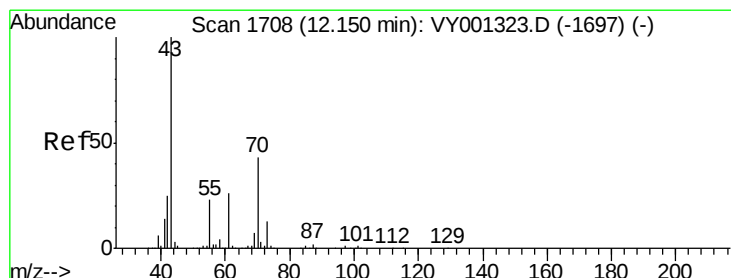
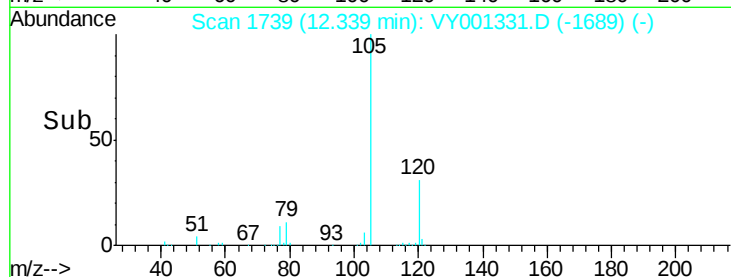
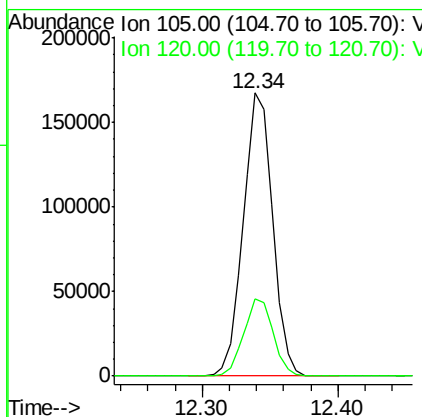
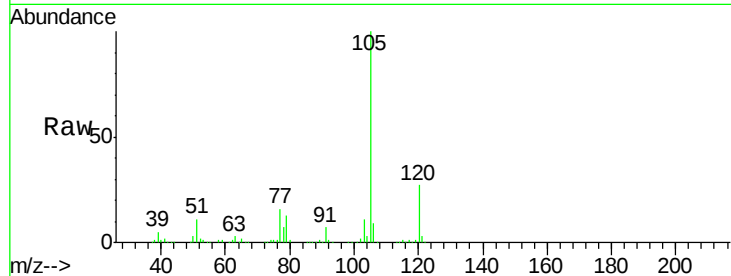
#73
Isopropylbenzene
Concen: 20.107 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	252717		
120	27.4	13.5	40.4	

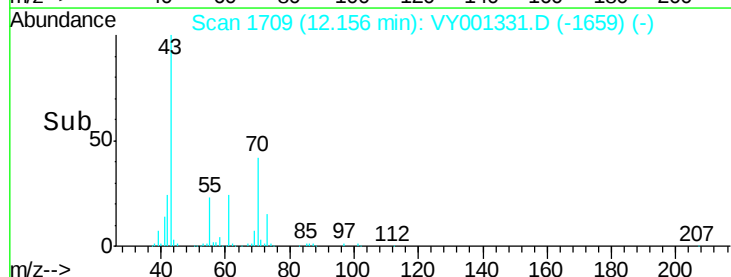
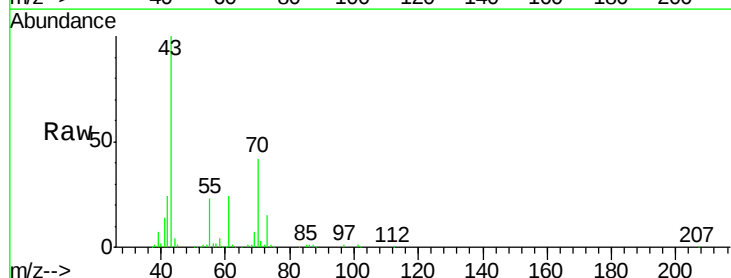
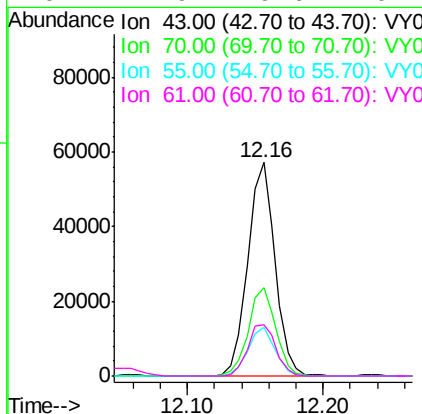
Manual Integrations
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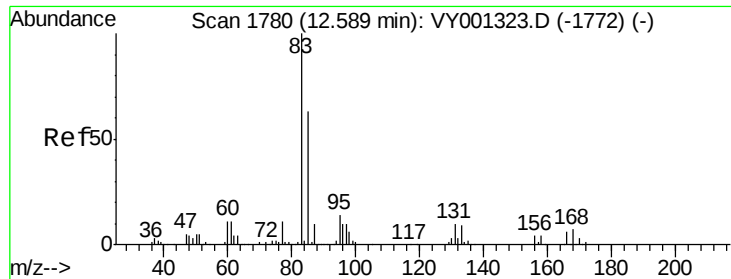
MMDadoda
1/23/2020 10:56:27 AM



#74
N-ethyl acetate
Concen: 19.631 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	80762		
70	41.6	33.5	50.3	
55	22.6	18.2	27.2	
61	24.9	19.6	29.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.929 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

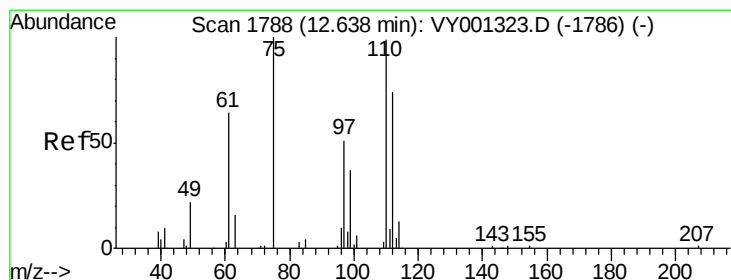
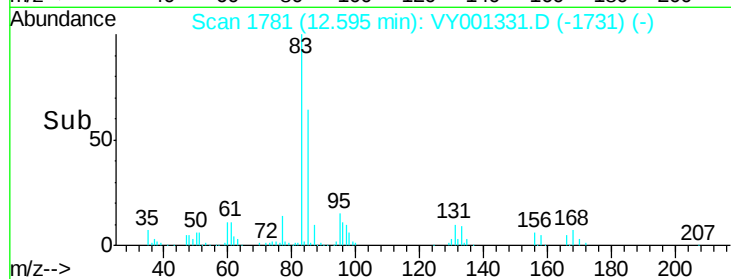
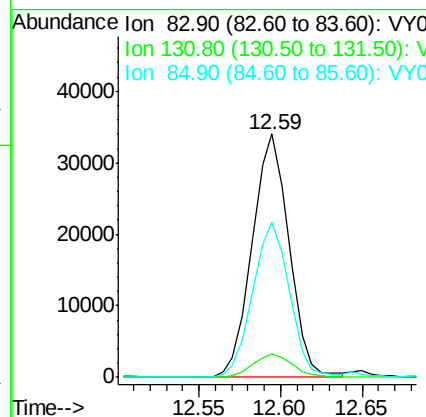
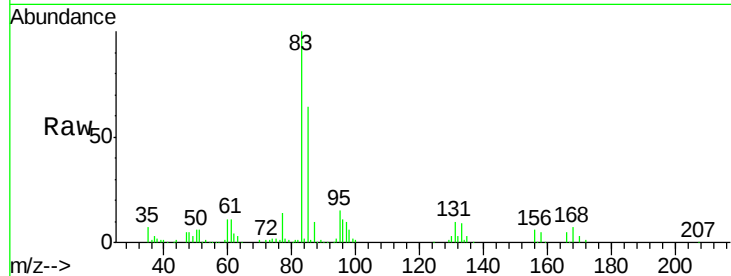
ClientSampleId :

VY0122SBS01

Tot Ion:	83	Resp:	53643
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	63.5	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.171 ug/l m

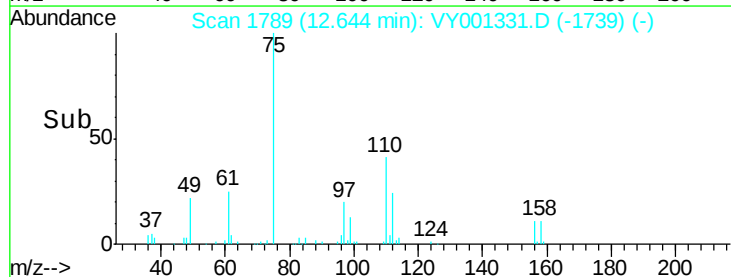
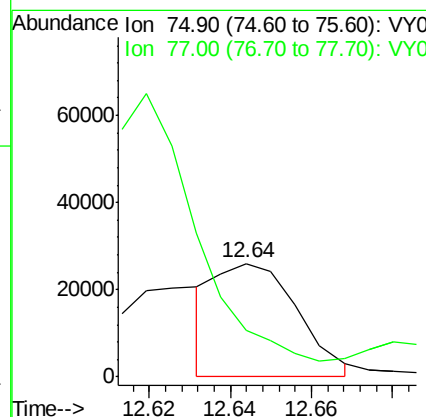
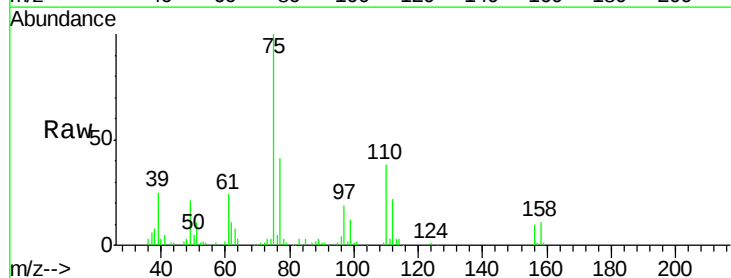
RT: 12.64 min Scan# 1789

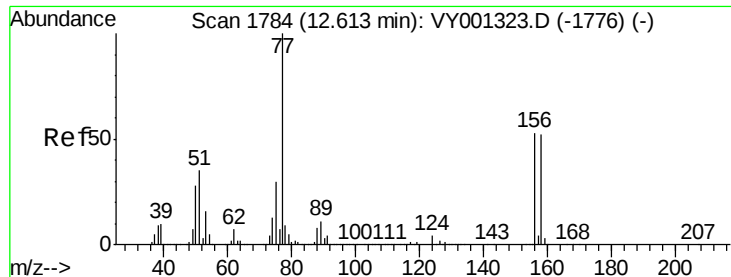
Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion:	75	Resp:	36796
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.884 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion:156 Resp: 55352

Ion Ratio Lower Upper

156 100

77 207.2 104.7 313.9

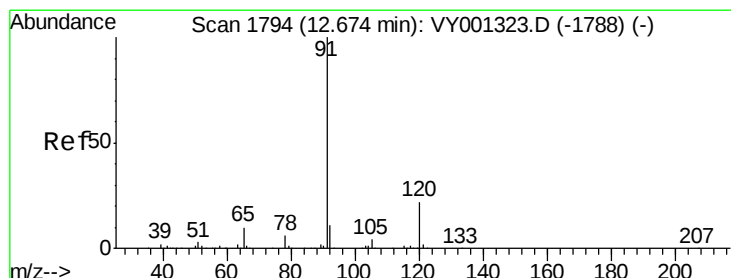
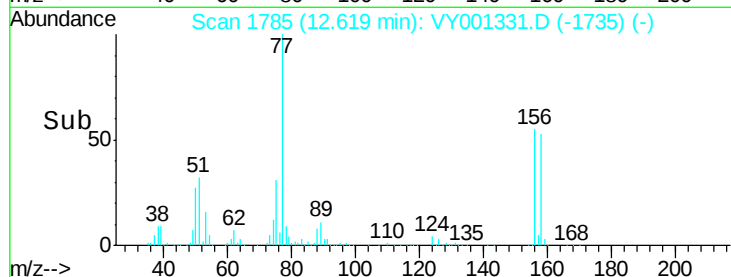
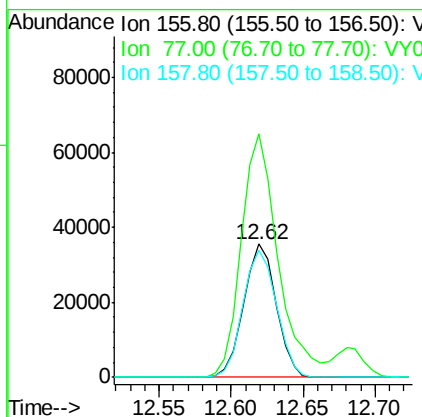
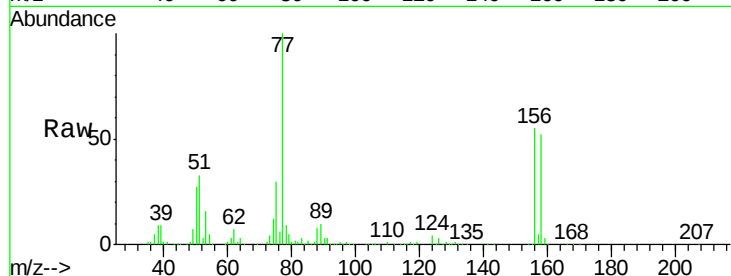
158 98.1 48.6 145.8

Manual Integrations

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#78

n-propylbenzene

Concen: 20.292 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001331.D

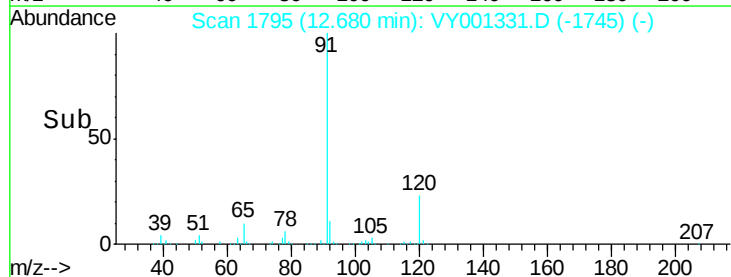
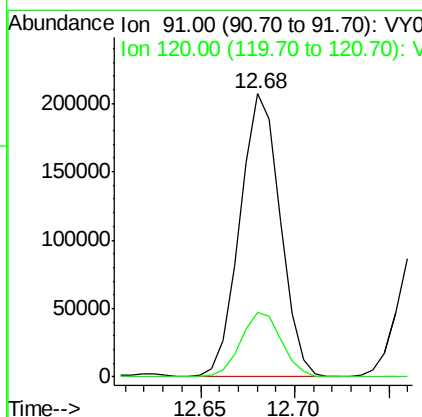
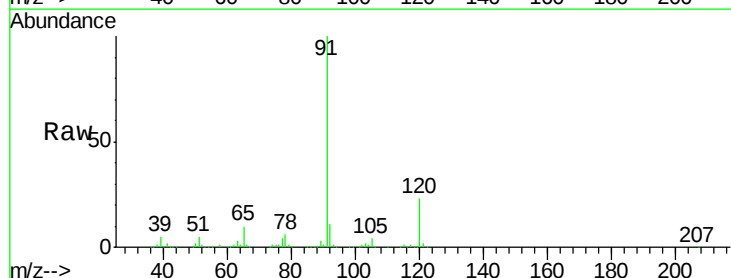
Acq: 22 Jan 2020 15:23

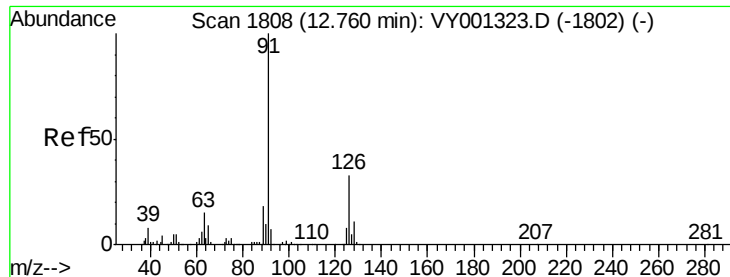
Tgt Ion: 91 Resp: 306981

Ion Ratio Lower Upper

91 100

120 23.0 11.3 33.8





#79

2-Chlorotoluene

Concen: 19.994 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion: 91 Resp: 172793

Ion Ratio Lower Upper

91 100

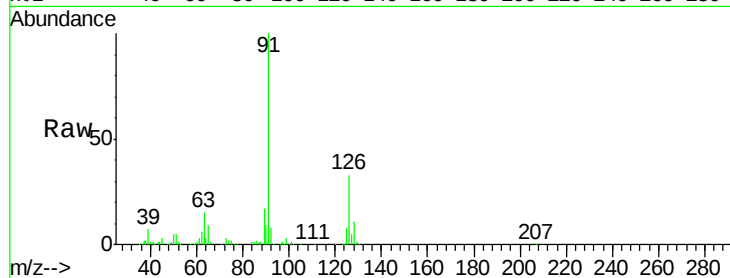
126 33.3 16.6 49.7

Manual Integrations

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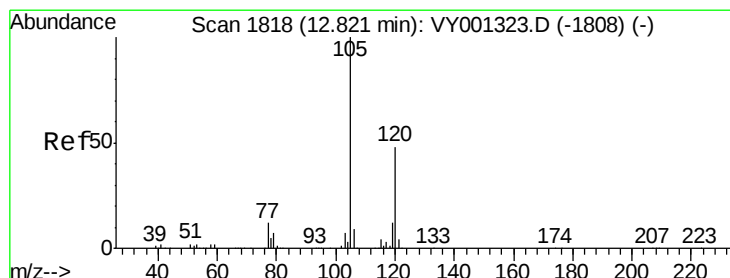
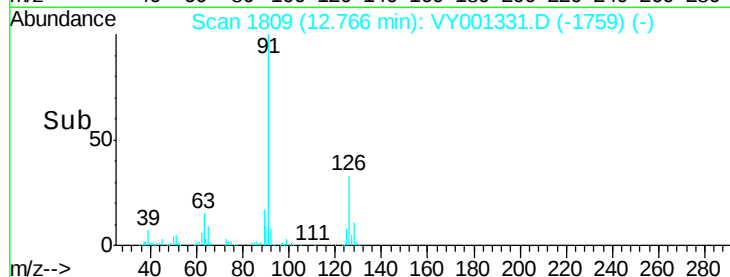
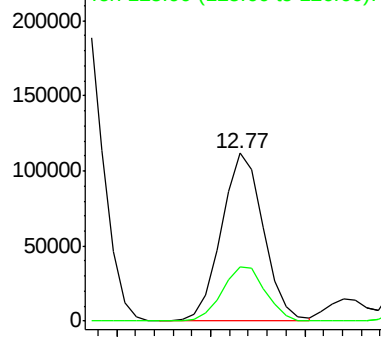
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Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.500 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY001331.D

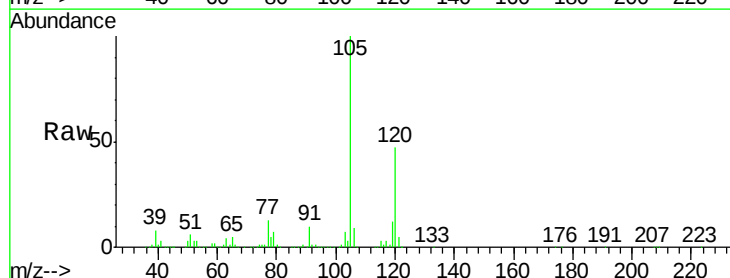
Acq: 22 Jan 2020 15:23

Tgt Ion:105 Resp: 215073

Ion Ratio Lower Upper

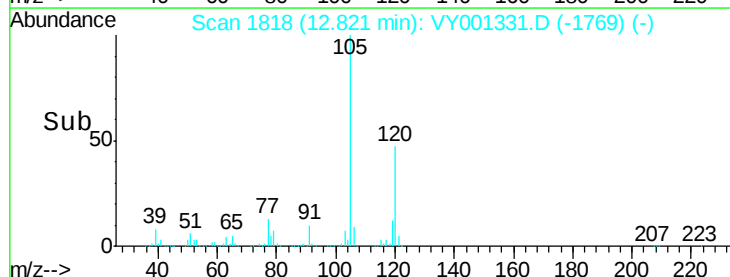
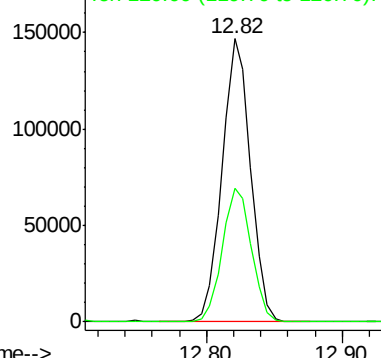
105 100

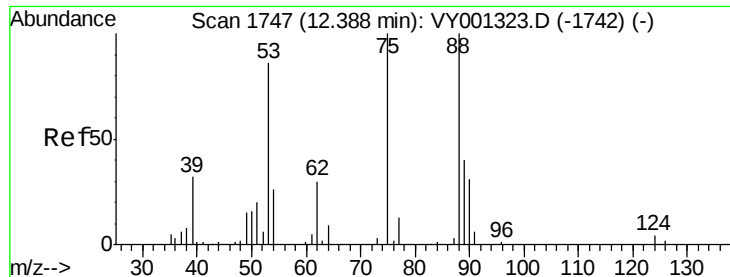
120 48.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.805 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

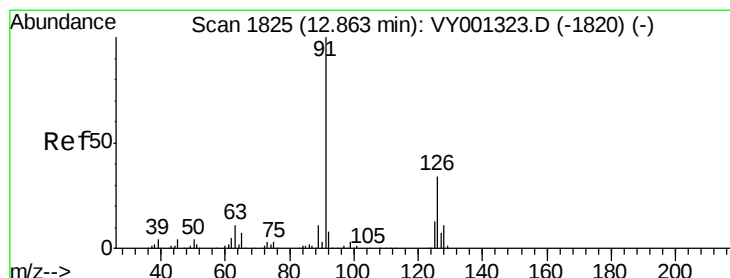
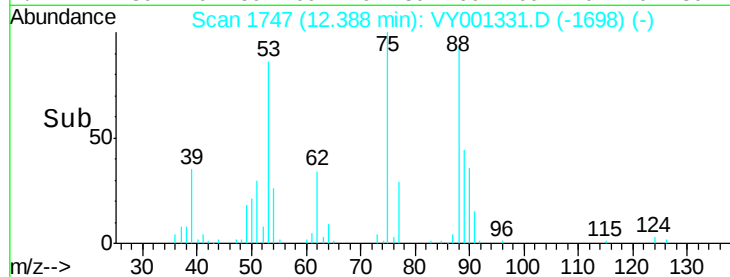
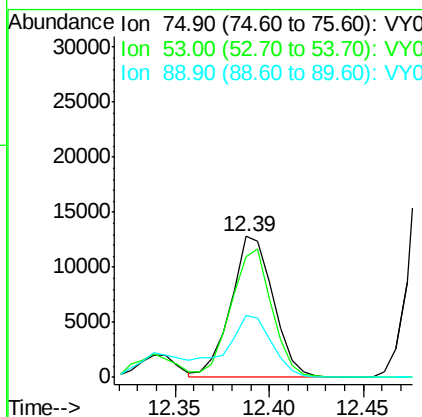
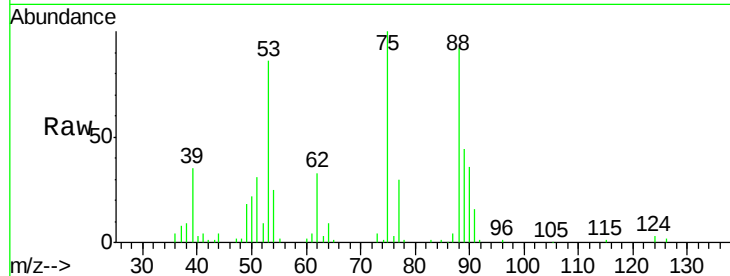
ClientSampleId :

VY0122SBS01

Tot Ion:	75	Resp:	20087
Ion Ratio	Lower	Upper	
75	100		
53	86.9	69.9	104.9
89	41.3	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.743 ug/l

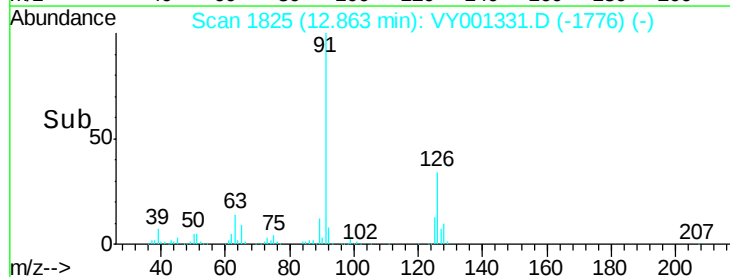
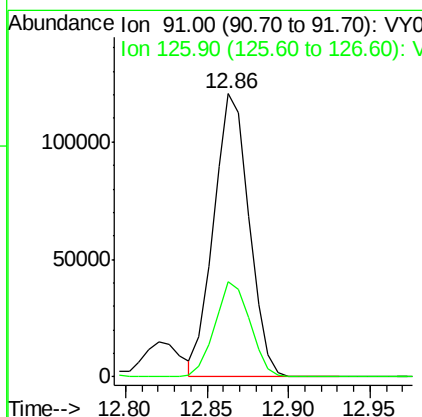
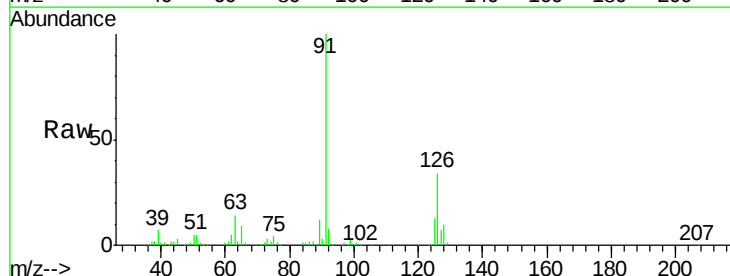
RT: 12.86 min Scan# 1825

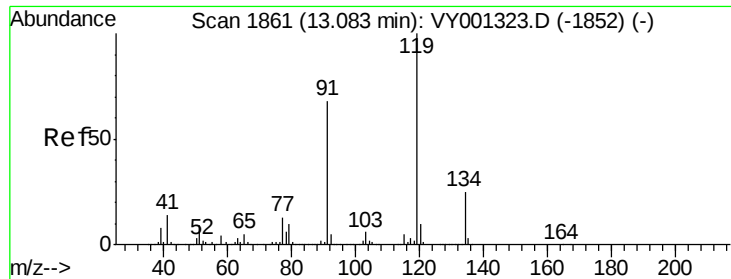
Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion:	91	Resp:	182260
Ion Ratio	Lower	Upper	
91	100		
126	33.4	16.4	49.4





#83

tert-Butylbenzene

Concen: 20.170 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

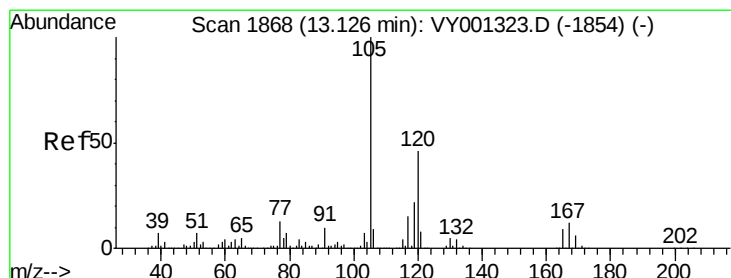
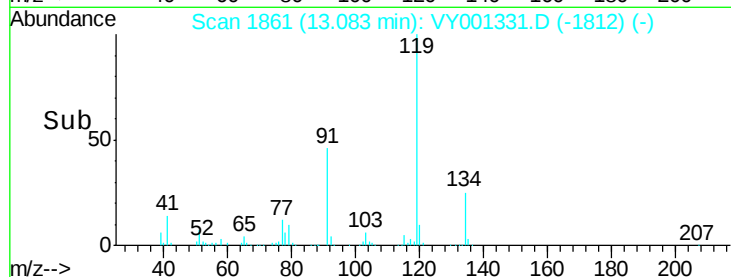
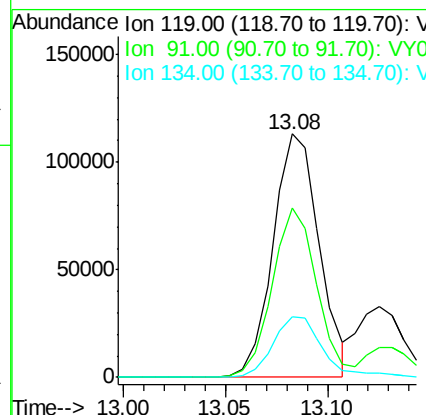
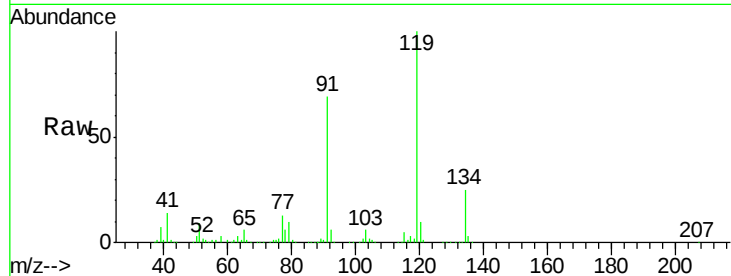
ClientSampleId :

VY0122SBS01

Tot Ion:	119	Resp:	178370
Ion Ratio	Lower	Upper	
119	100		
91	67.5	33.0	99.0
134	26.9	13.3	39.9

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#84

1,2,4-Trimethylbenzene

Concen: 20.138 ug/l

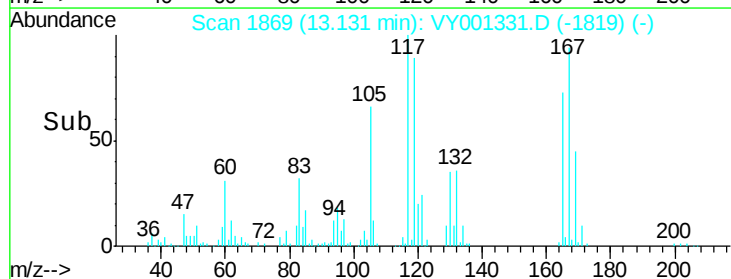
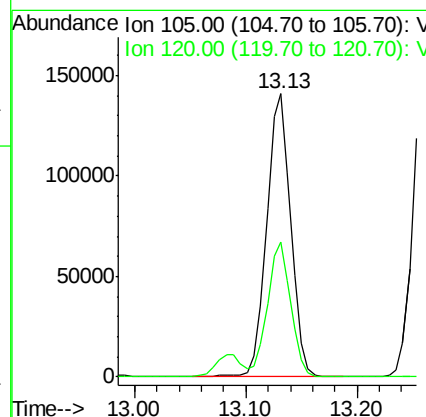
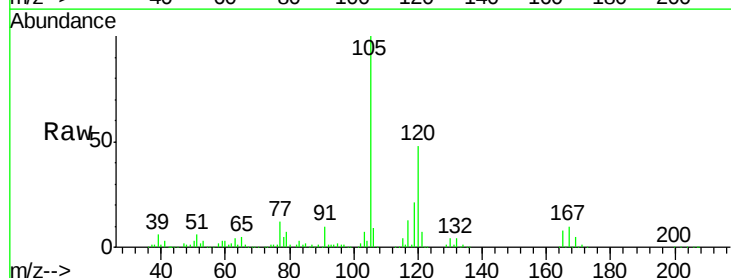
RT: 13.13 min Scan# 1869

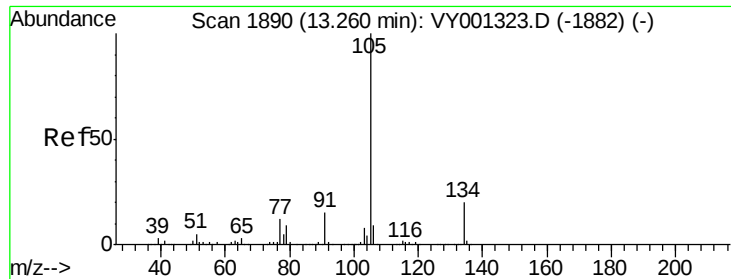
Delta R.T. 0.01 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Tgt Ion:	105	Resp:	212105
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.932 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

VY0122SBS01

Tot Ion:105 Resp: 262991

Ion Ratio Lower Upper

105 100

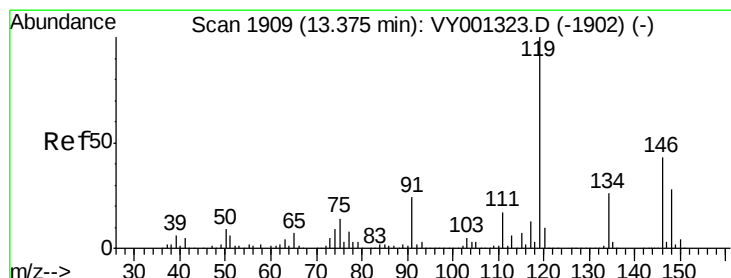
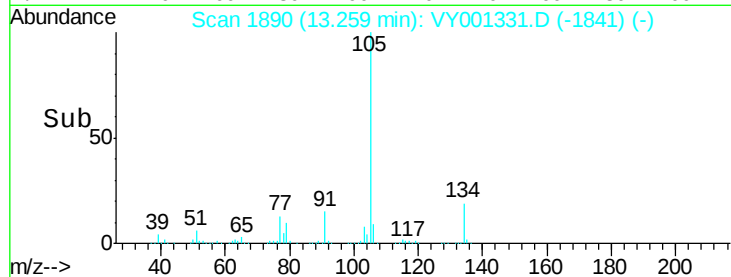
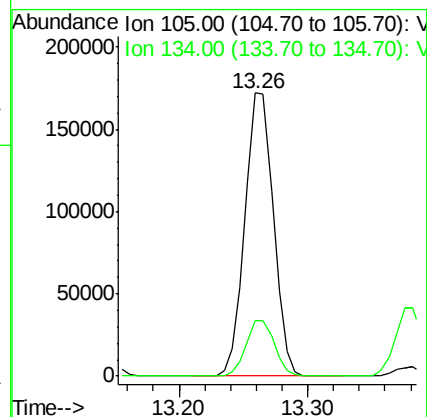
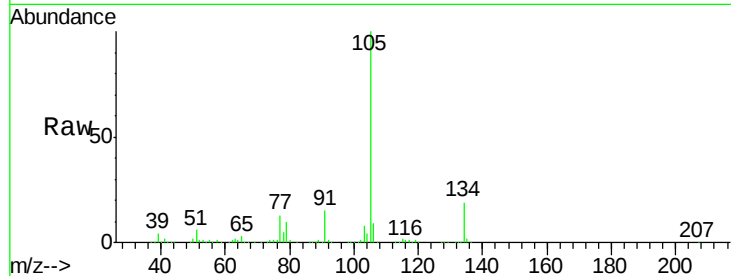
134 19.6 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.125 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY001331.D

Acq: 22 Jan 2020 15:23

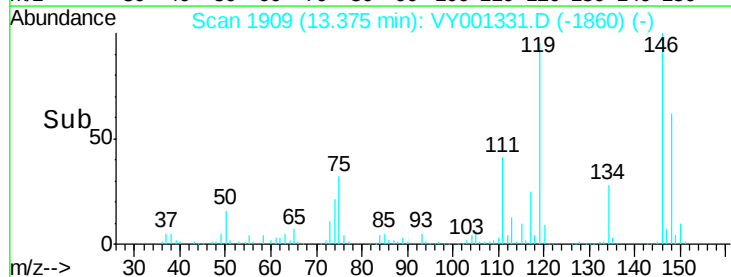
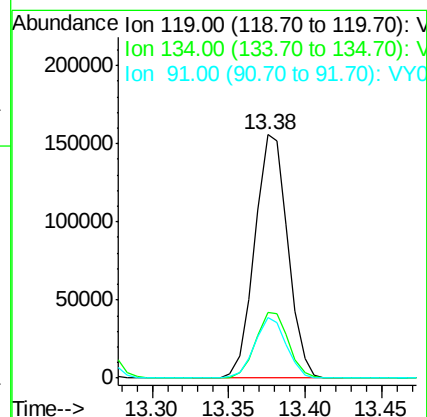
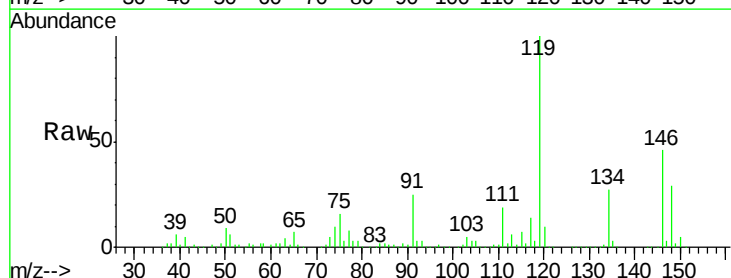
Tgt Ion:119 Resp: 233901

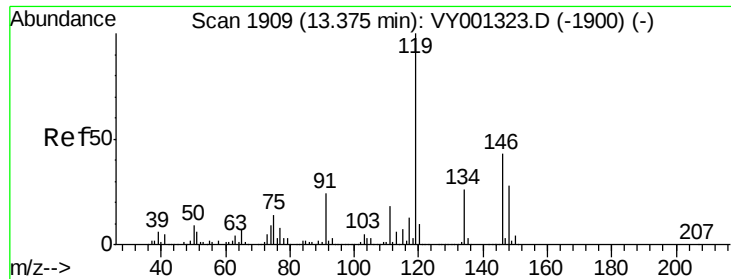
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.8 12.2 36.6





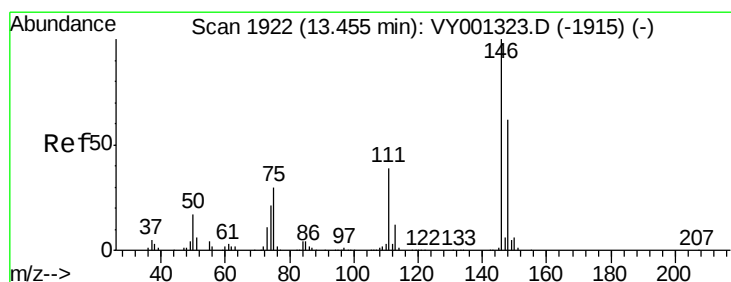
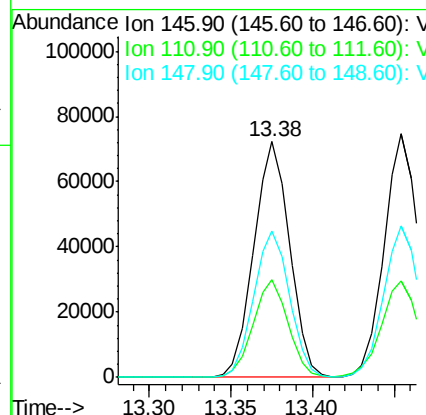
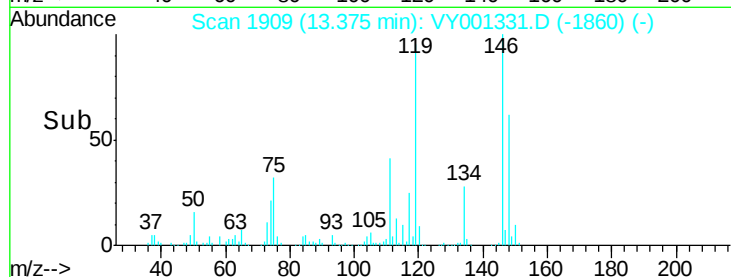
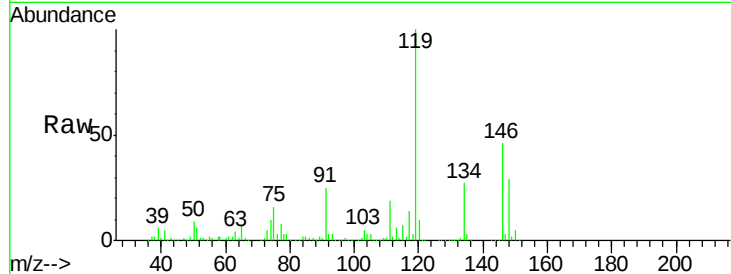
#87
 1,3-Dichlorobenzene
 Concen: 20.669 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110812		
111	40.5	20.6	61.8	
148	62.0	31.6	95.0	

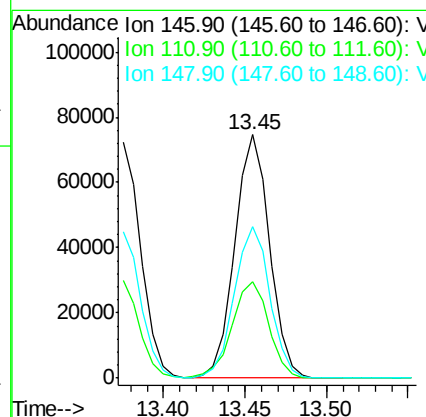
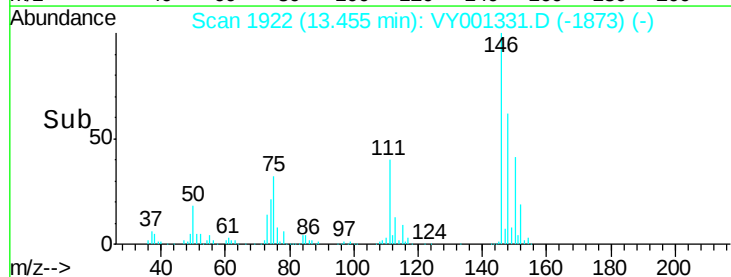
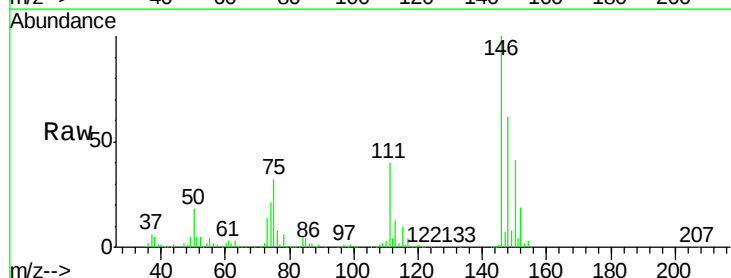
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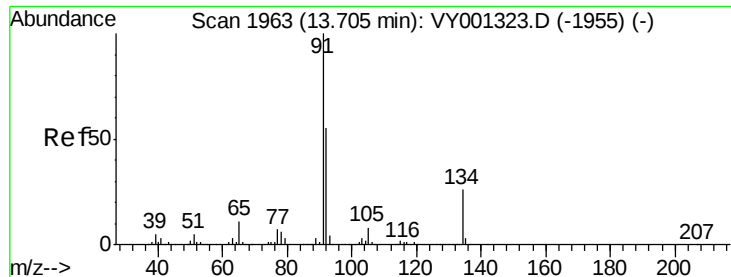
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#88
 1,4-Dichlorobenzene
 Concen: 20.310 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110557		
111	41.9	20.5	61.5	
148	63.9	31.6	95.0	





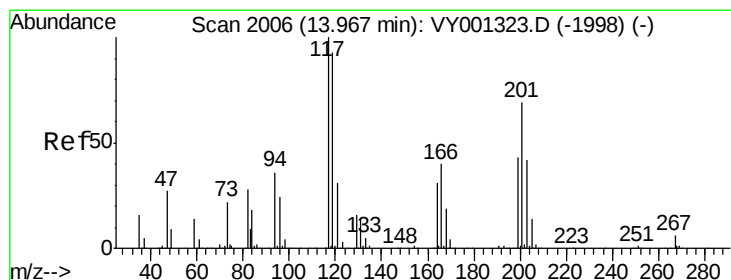
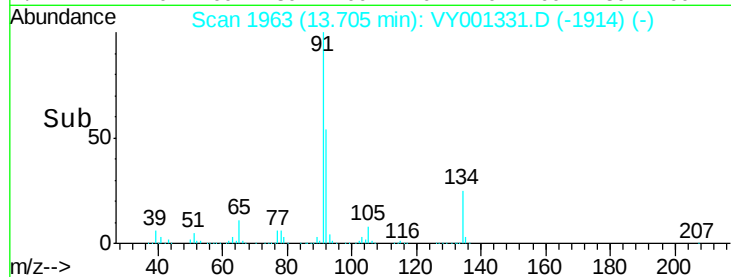
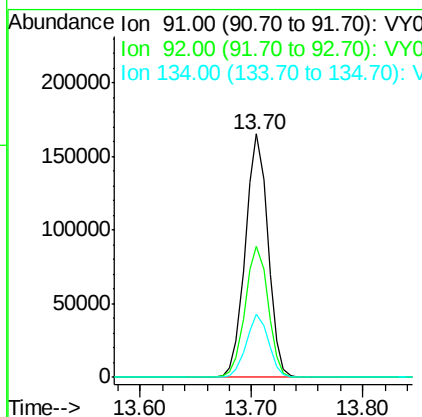
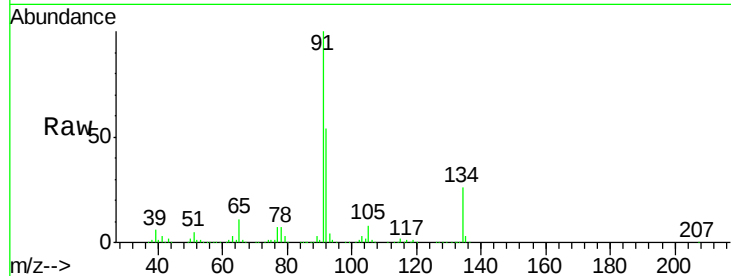
#89
n-Butylbenzene
Concen: 20.946 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	25.7	12.9	38.6

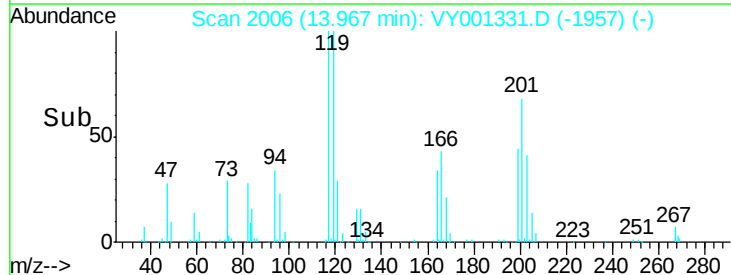
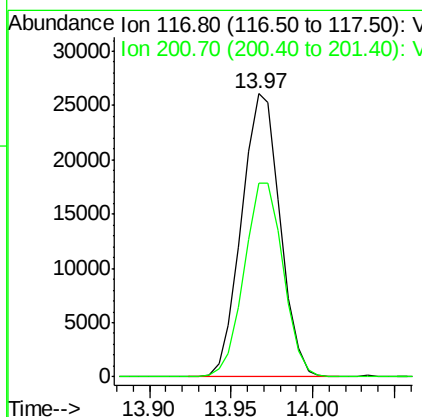
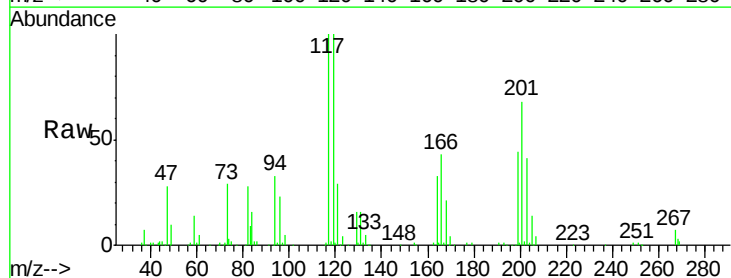
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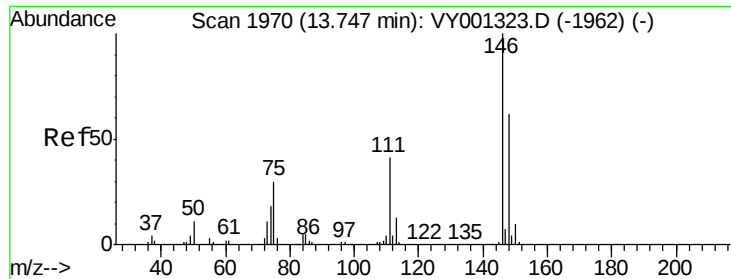
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#90
Hexachloroethane
Concen: 20.413 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	34.6	103.8





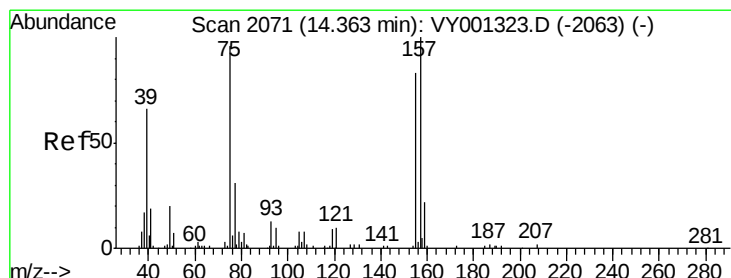
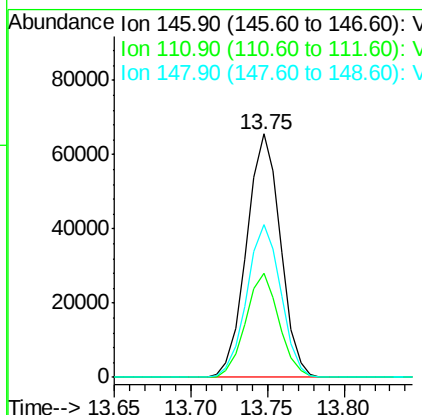
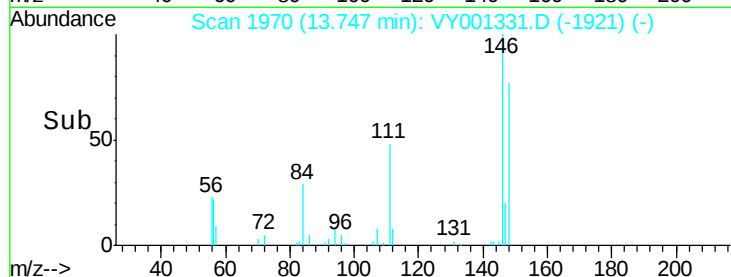
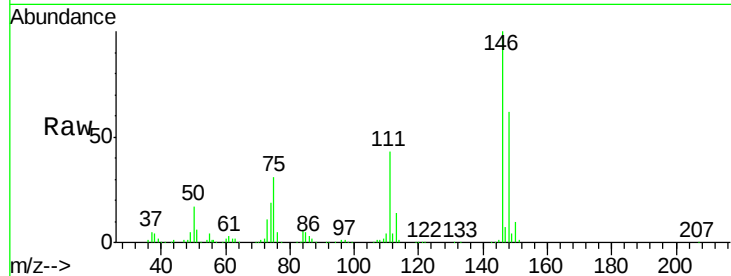
#91
 1,2-Dichlorobenzene
 Concen: 20.394 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.4
148	63.1	31.5	94.5

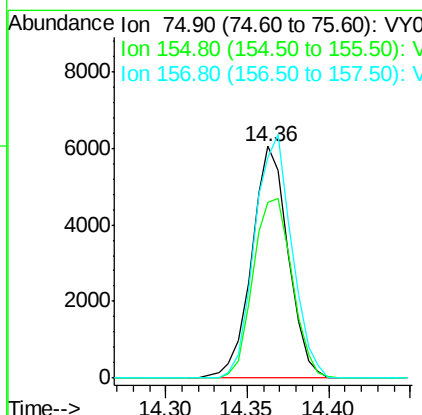
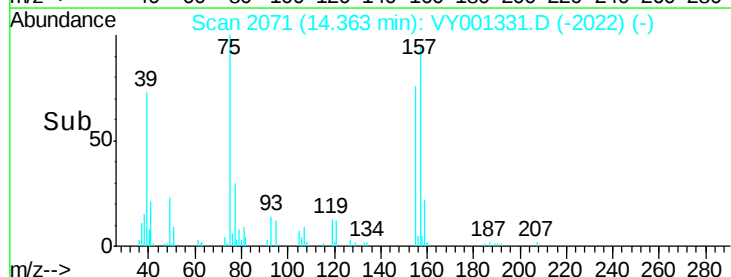
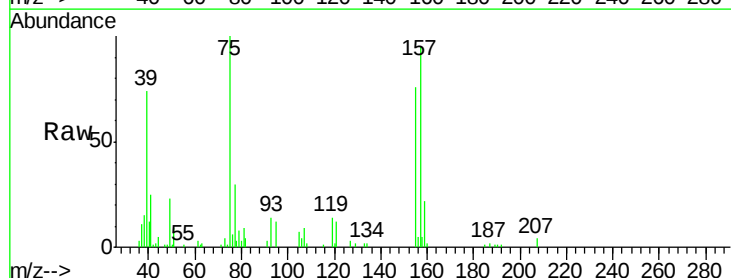
Manual Integrations
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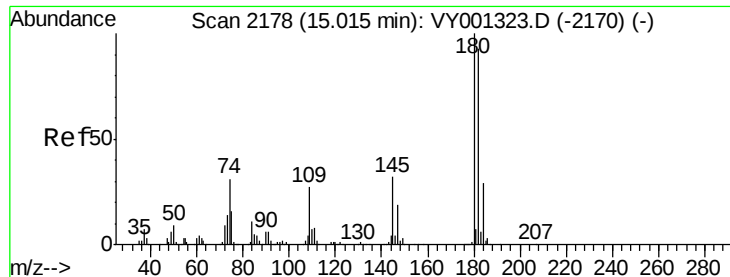
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.191 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	43.0	129.2
157	106.7	53.3	160.0





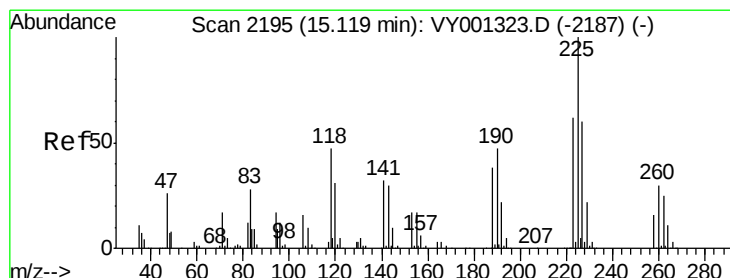
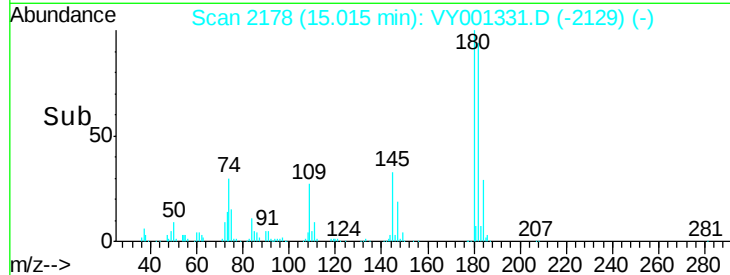
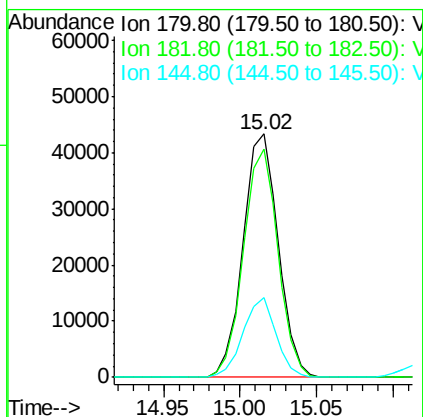
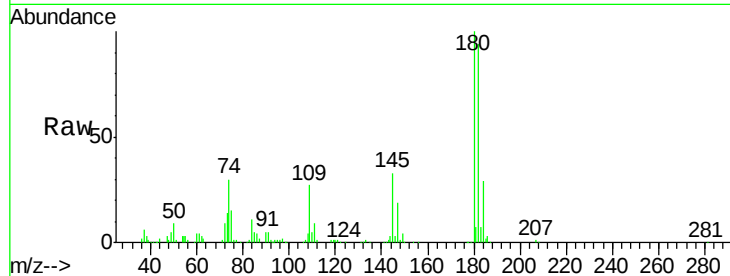
#93
 1,2,4-Trichlorobenzene
 Concen: 20.876 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0122SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.6	142.8
145	30.7	16.3	48.9

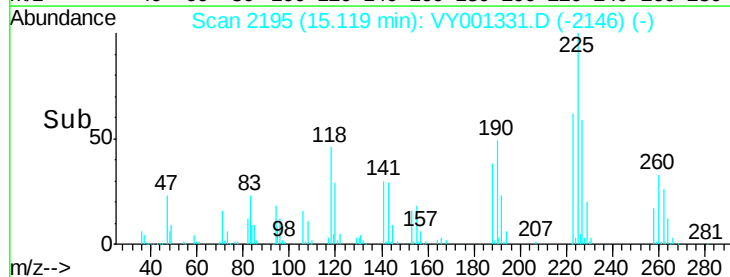
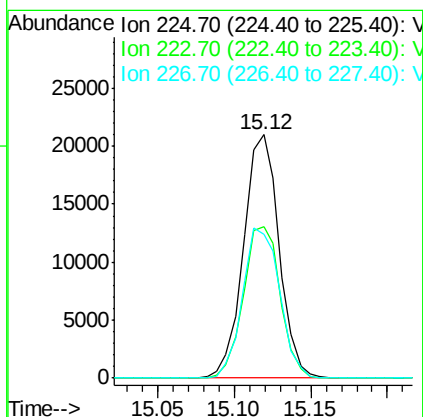
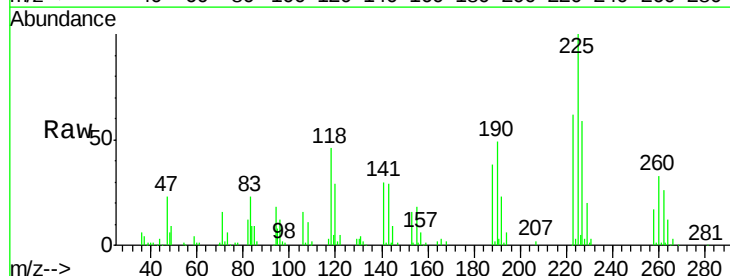
Manual Integrations
 APPROVED

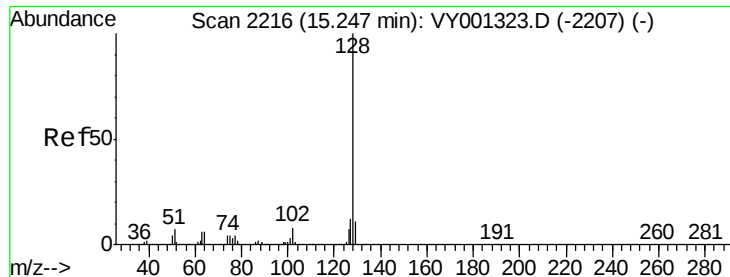
MMDadoda
 1/23/2020 10:56:27 AM



#94
 Hexachlorobutadiene
 Concen: 20.885 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY001331.D
 Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.2	93.6
227	64.2	31.0	93.0





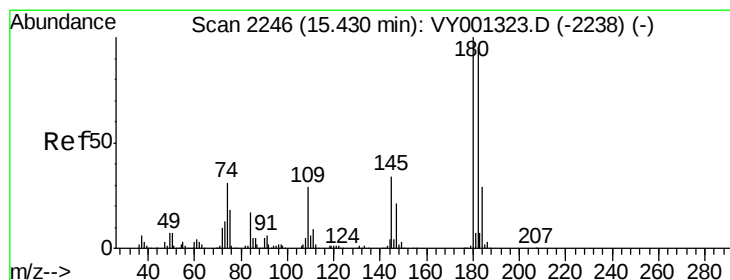
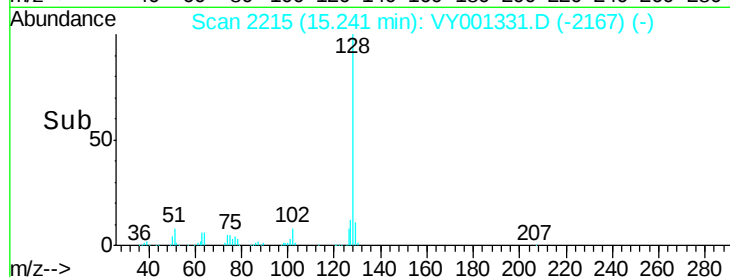
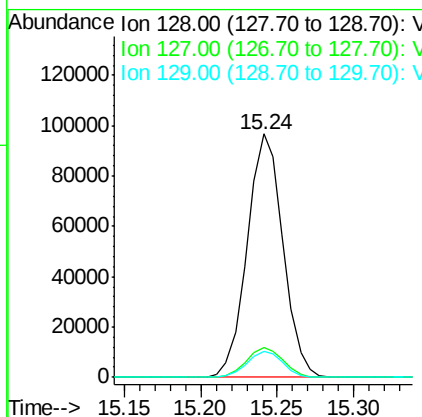
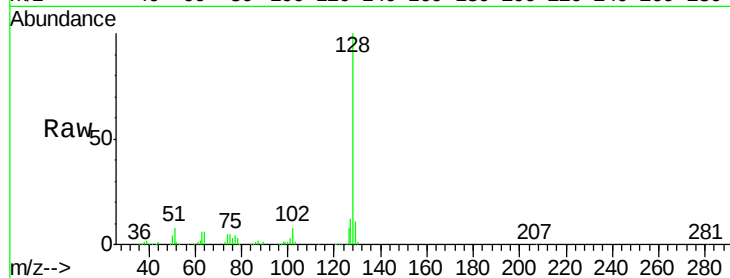
#95
Naphthalene
Concen: 20.679 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :
VY0122SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/23/2020 10:56:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.602 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001331.D
Acq: 22 Jan 2020 15:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.8
145	33.2	16.8	50.3

