

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031820\
 Data File : VY002004.D
 Acq On : 18 Mar 2020 11:25
 Operator : SY/MD
 Sample : VY0318SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 11:59:34 AM

Quant Time: Mar 19 08:19:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	155260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	280456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	250407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	118661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	80921	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.74	113	78806	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.19	98	325854	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.49	95	114111	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	26718	18.643	ug/l	98
3) Chloromethane	2.13	50	37853	19.590	ug/l	96
4) Vinyl Chloride	2.27	62	39217	19.954	ug/l	99
5) Bromomethane	2.66	94	27012	20.022	ug/l	95
6) Chloroethane	2.81	64	26008	21.066	ug/l	99
7) Trichlorofluoromethane	3.15	101	54424	20.418	ug/l	93
8) Diethyl Ether	3.55	74	21477	20.444	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	35835	20.902	ug/l	99
10) Methyl Iodide	4.11	142	38039	19.186	ug/l	98
11) Tert butyl alcohol	4.98	59	20653	106.802	ug/l #	88
12) 1,1-Dichloroethene	3.90	96	35434	20.527	ug/l	97
13) Acrolein	3.75	56	17102	73.425	ug/l	97
14) Allyl chloride	4.51	41	63473	20.741	ug/l	99
15) Acrylonitrile	5.19	53	53104	94.597	ug/l	99
16) Acetone	3.97	43	42721	88.492	ug/l	98
17) Carbon Disulfide	4.22	76	109146	18.809	ug/l	98
18) Methyl Acetate	4.51	43	23461	18.914	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	92755	19.828	ug/l	99
20) Methylene Chloride	4.74	84	42845	20.708	ug/l	90
21) trans-1,2-Dichloroethene	5.25	96	40678	20.761	ug/l	98
22) Diisopropyl ether	6.15	45	132784	21.168	ug/l	95
23) Vinyl Acetate	6.09	43	405888	98.700	ug/l	99
24) 1,1-Dichloroethane	6.05	63	71419	21.024	ug/l	99
25) 2-Butanone	7.02	43	67670	92.174	ug/l	97
26) 2,2-Dichloropropane	7.00	77	60633	21.747	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	44298	20.785	ug/l	98
28) Bromochloromethane	7.36	49	32412	21.168	ug/l	99
29) Tetrahydrofuran	7.38	42	43582	89.394	ug/l	99
30) Chloroform	7.53	83	66141	20.724	ug/l	99
31) Cyclohexane	7.81	56	73116	20.074	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	57262	21.287	ug/l	98
36) 1,1-Dichloropropene	7.94	75	56374	20.888	ug/l	99
37) Ethyl Acetate	7.10	43	30582	19.497	ug/l	98
38) Carbon Tetrachloride	7.92	117	48956	21.234	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	72927	20.373	ug/l	100
40) Benzene	8.18	78	167562	20.947	ug/l	97
41) Methacrylonitrile	7.35	41	17683m	25.050	ug/l	
42) 1,2-Dichloroethane	8.26	62	42493	20.615	ug/l	100
43) Isopropyl Acetate	8.30	43	56607	19.061	ug/l	100
44) Trichloroethene	8.96	130	41180	21.138	ug/l	98
45) 1,2-Dichloropropane	9.24	63	42761	21.265	ug/l	99
46) Dibromomethane	9.32	93	20656	19.933	ug/l	99
47) Bromodichloromethane	9.52	83	51396	21.321	ug/l	98
48) Methyl methacrylate	9.31	41	24276	18.422	ug/l	94
49) 1,4-Dioxane	9.31	88	5241	369.100	ug/l #	83
51) 4-Methyl-2-Pentanone	10.08	43	147255	96.268	ug/l	99
52) Toluene	10.26	92	104061	21.414	ug/l	97
53) t-1,3-Dichloropropene	10.48	75	54023	20.570	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	64950	20.774	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	30595	20.174	ug/l	96
56) Ethyl methacrylate	10.52	69	43019	19.353	ug/l	97
57) 1,3-Dichloropropane	10.80	76	54144	20.029	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.80	63	113506	130.732	ug/l	99
59) 2-Hexanone	10.85	43	100522	92.072	ug/l	99
60) Dibromochloromethane	11.00	129	32771	20.507	ug/l	100
61) 1,2-Dibromoethane	11.10	107	28791	20.042	ug/l	98
64) Tetrachloroethene	10.74	164	33648	21.427	ug/l	93
65) Chlorobenzene	11.53	112	104531	20.950	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	35250	21.544	ug/l	100
67) Ethyl Benzene	11.61	91	194796	20.934	ug/l	97
68) m/p-Xylenes	11.72	106	146481	42.578	ug/l	99
69) o-Xylene	12.04	106	70472	21.733	ug/l	96
70) Styrene	12.06	104	118922	21.414	ug/l	100
71) Bromoform	12.22	173	18244	20.560	ug/l #	99
73) Isopropylbenzene	12.34	105	187526	20.702	ug/l	99
74) N-amyl acetate	12.16	43	51968	18.667	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	37069	18.977	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	26150m	18.573	ug/l	
77) Bromobenzene	12.62	156	39455	20.558	ug/l	97
78) n-propylbenzene	12.68	91	231609	20.725	ug/l	99
79) 2-Chlorotoluene	12.77	91	127163	20.596	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	155634	20.870	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	13129	18.835	ug/l	96
82) 4-Chlorotoluene	12.86	91	133970	20.840	ug/l	99
83) tert-Butylbenzene	13.09	119	131932	21.301	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	155698	21.039	ug/l	100
85) sec-Butylbenzene	13.27	105	194770	21.334	ug/l	99
86) p-Isopropyltoluene	13.38	119	168545	21.401	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	80357	21.367	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	80212	21.024	ug/l	100
89) n-Butylbenzene	13.71	91	171981	21.049	ug/l	100
90) Hexachloroethane	13.97	117	31128	20.952	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	71481	20.922	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	5654	18.549	ug/l	93

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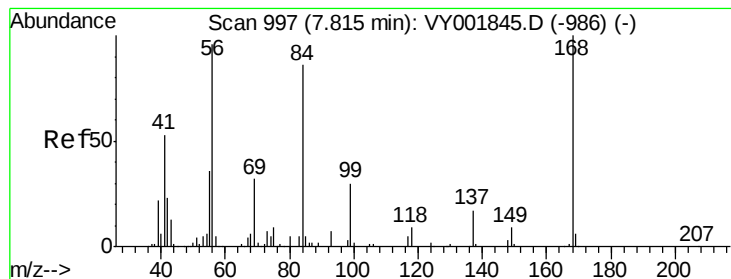
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46031	20.775	ug/l	98
94) Hexachlorobutadiene	15.12	225	23126	21.408	ug/l	99
95) Naphthalene	15.25	128	100050	19.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	40730	20.867	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion:168 Resp: 155260

Ion Ratio Lower Upper

168 100

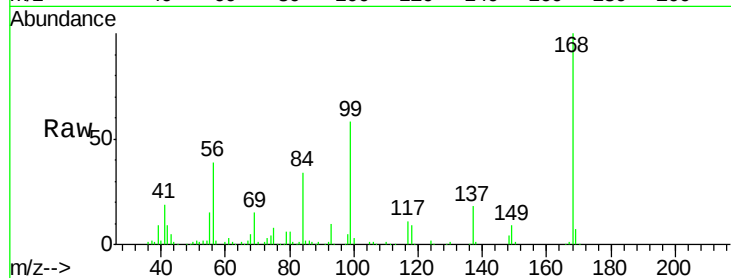
99 58.1 46.7 70.1

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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

60000

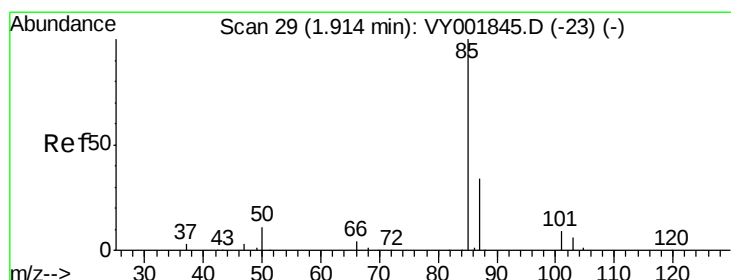
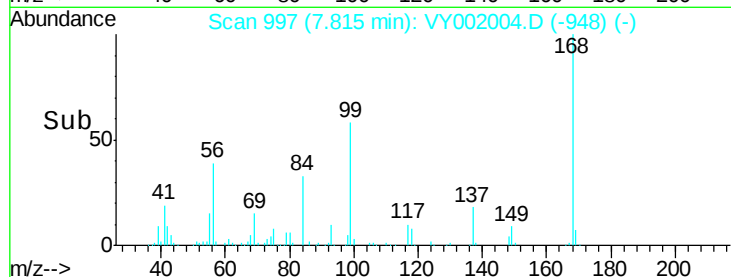
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.643 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY002004.D

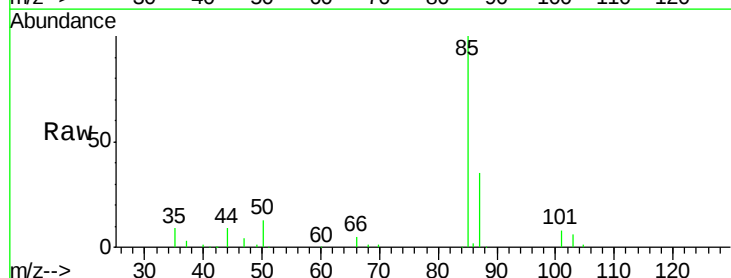
Acq: 18 Mar 2020 11:25

Tgt Ion: 85 Resp: 26718

Ion Ratio Lower Upper

85 100

87 34.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

20000

15000

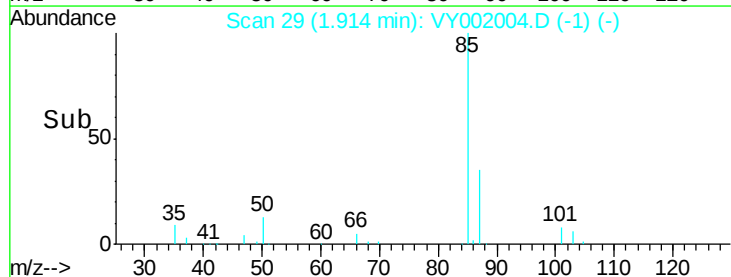
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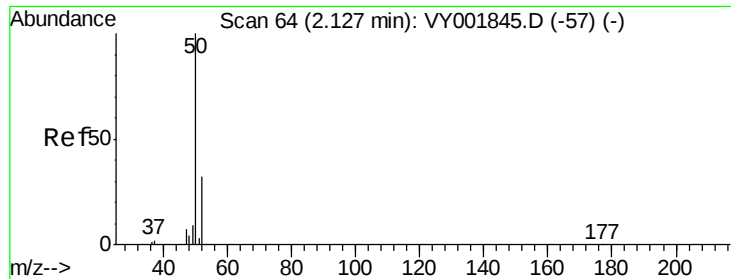
5000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.590 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 50 Resp: 37853

Ion Ratio Lower Upper

50 100

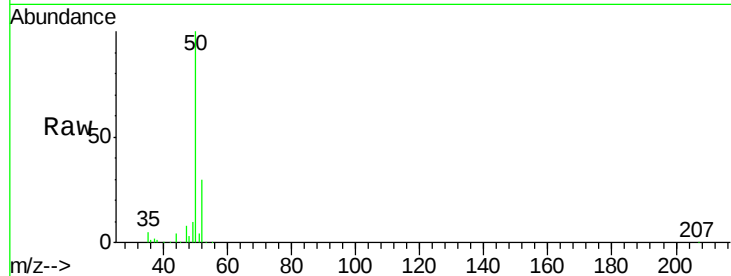
52 29.7 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

25000

20000

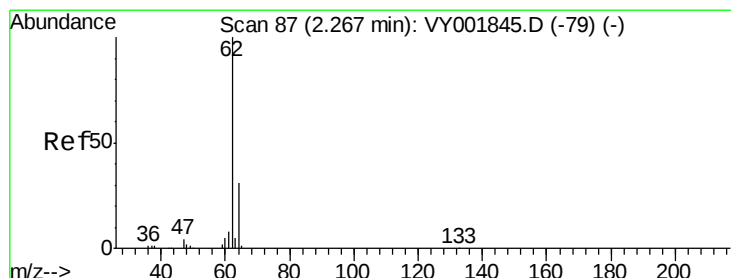
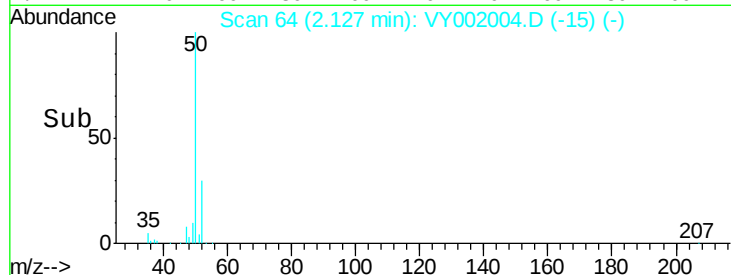
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 19.954 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY002004.D

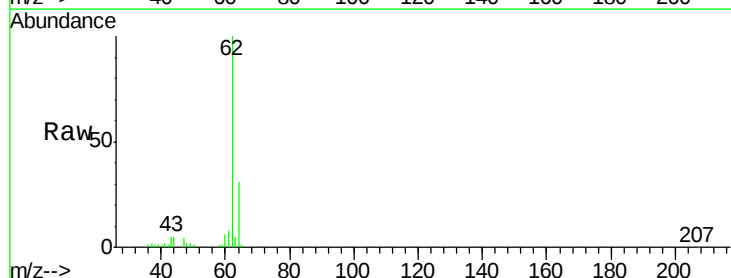
Acq: 18 Mar 2020 11:25

Tgt Ion: 62 Resp: 39217

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

25000

20000

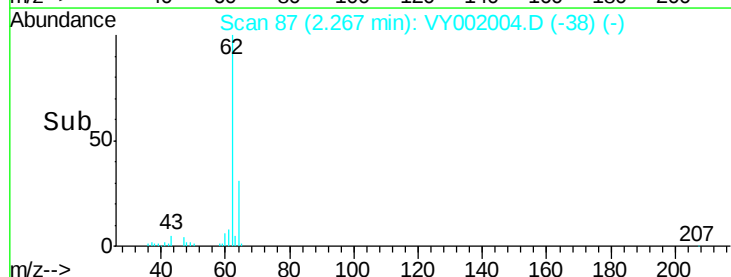
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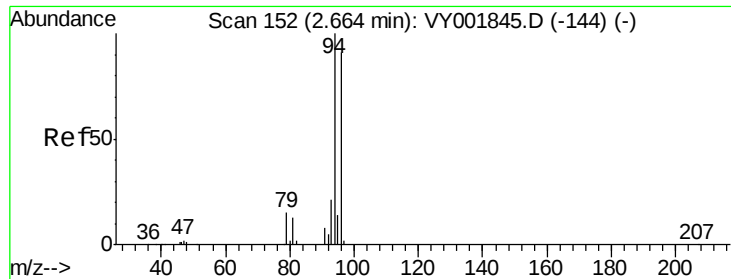
10000

5000

0

Time-->





#5

Bromomethane

Concen: 20.022 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 94 Resp: 27012

Ion Ratio Lower Upper

94 100

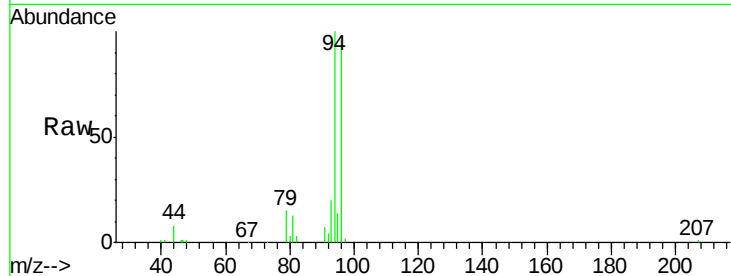
96 96.1 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

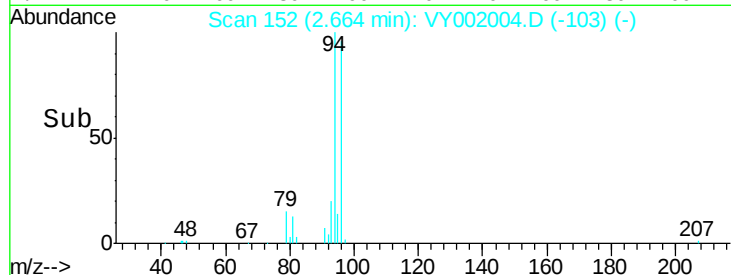
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10000

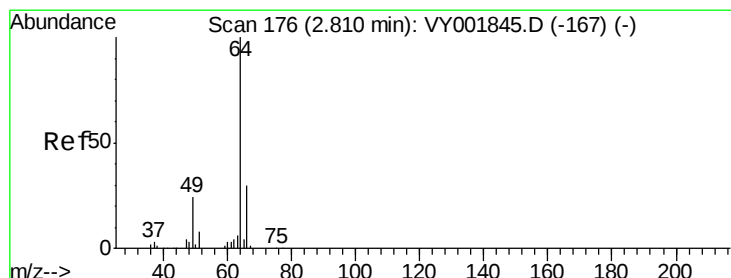
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 21.066 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY002004.D

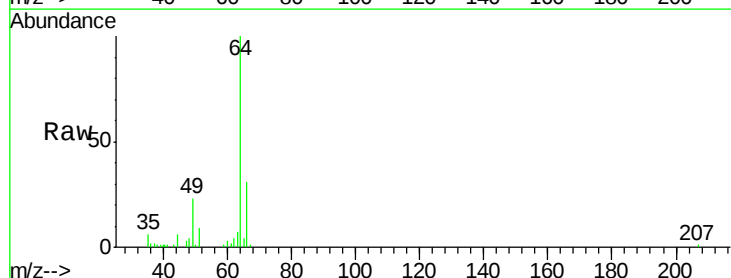
Acq: 18 Mar 2020 11:25

Tgt Ion: 64 Resp: 26008

Ion Ratio Lower Upper

64 100

66 30.6 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

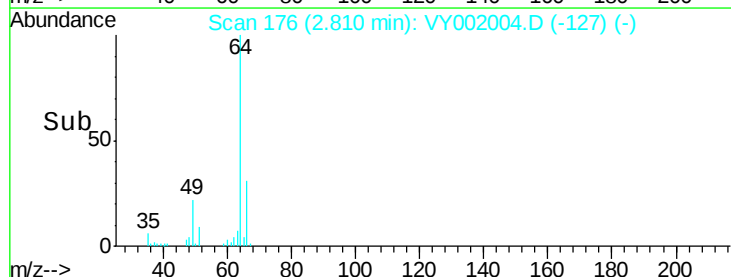
Ion 65.90 (65.60 to 66.60): VY0

10000

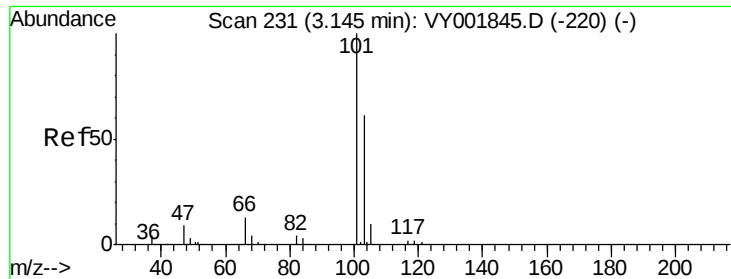
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0

Time-->



Time-->



#7

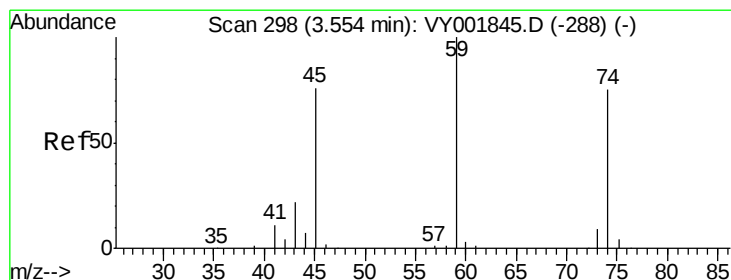
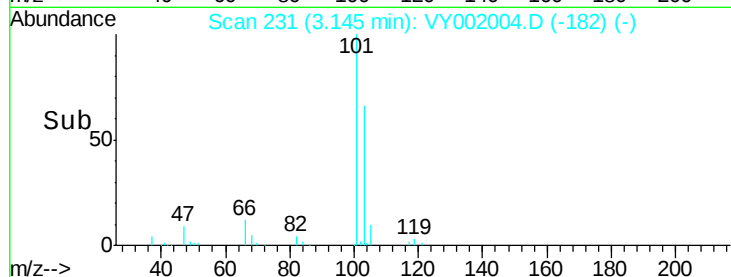
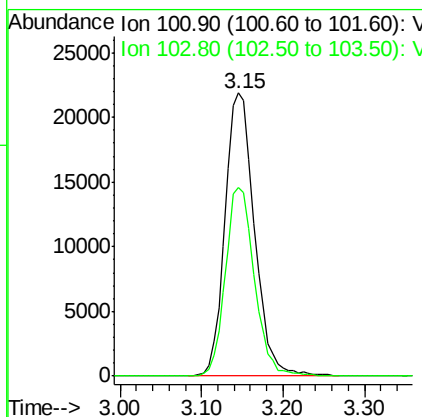
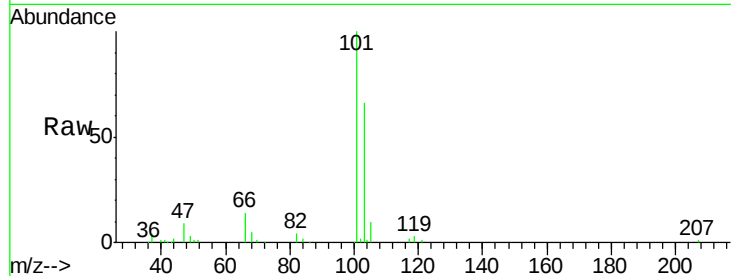
Trichlorofluoromethane
 Concen: 20.418 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	49.1	73.7

Manual Integrations
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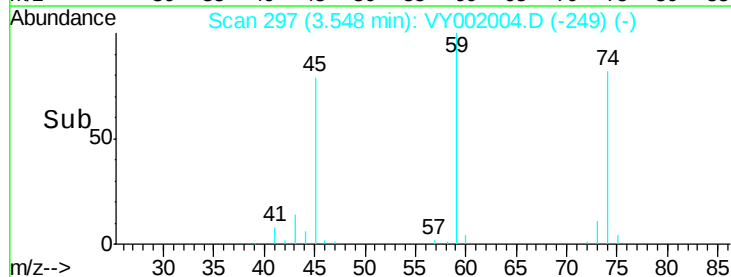
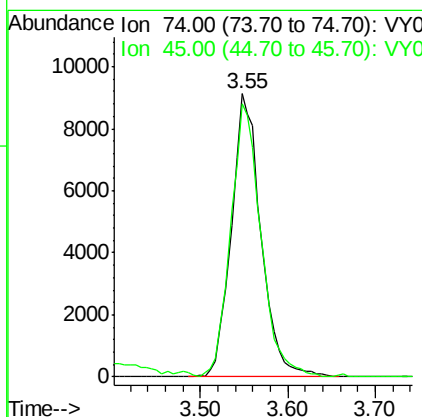
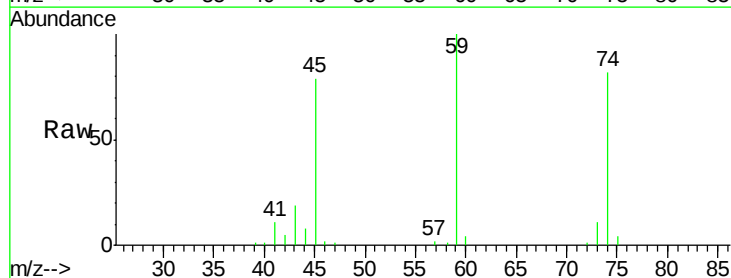
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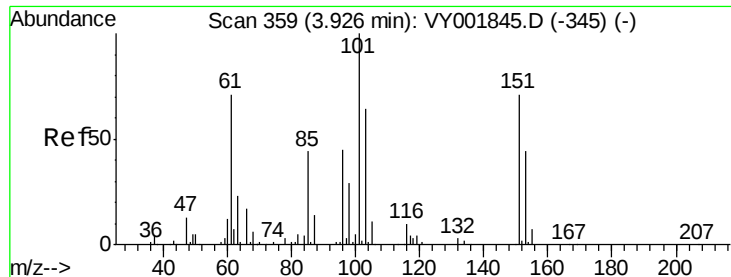


#8

Diethyl Ether
 Concen: 20.444 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.902 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

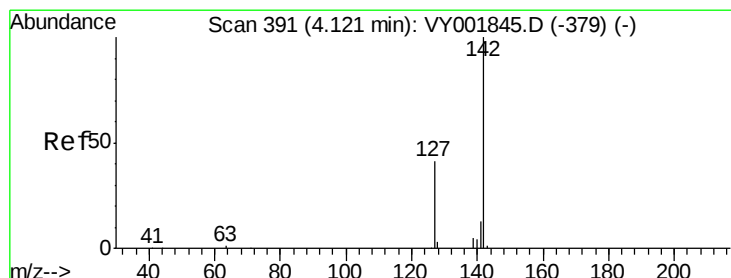
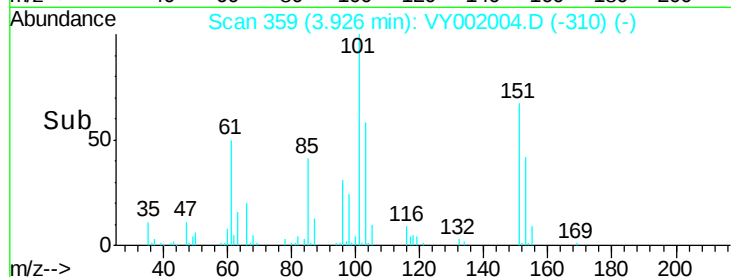
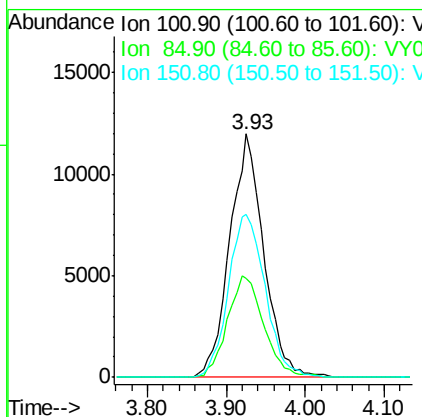
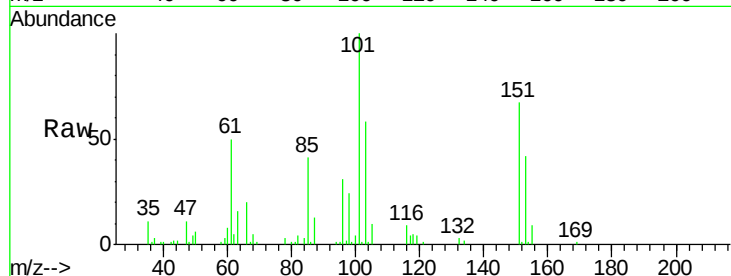
ClientSampleId :

VY0318SBS01

Tot Ion:	101	Resp:	35835
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.3	52.9
151	72.7	57.0	85.4

Manual Integrations
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3/19/2020 11:59:34 AM



#10

Methyl Iodide

Concen: 19.186 ug/l

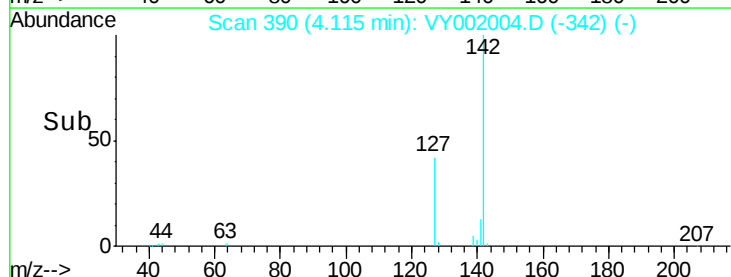
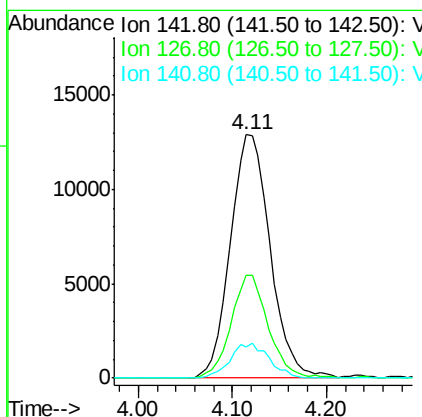
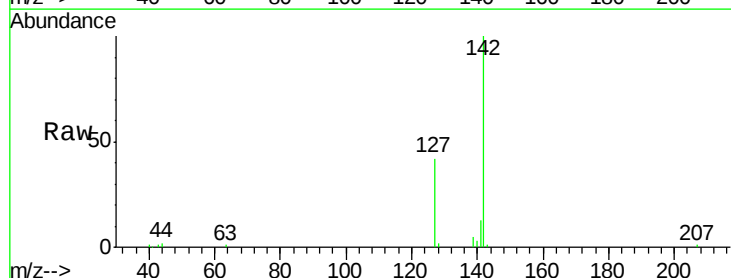
RT: 4.11 min Scan# 390

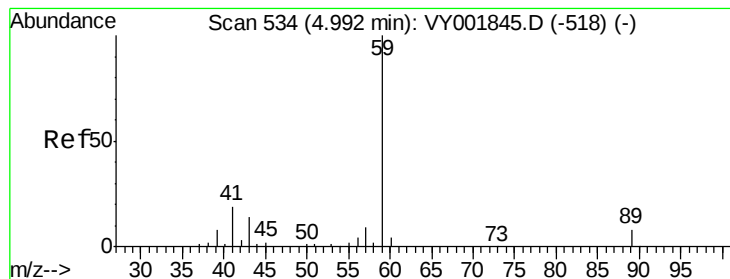
Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion:	142	Resp:	38039
Ion Ratio	Lower	Upper	
142	100		
127	39.1	32.7	49.1
141	13.9	11.0	16.6





#11

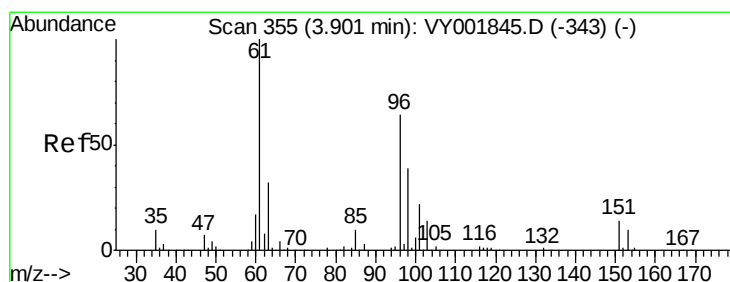
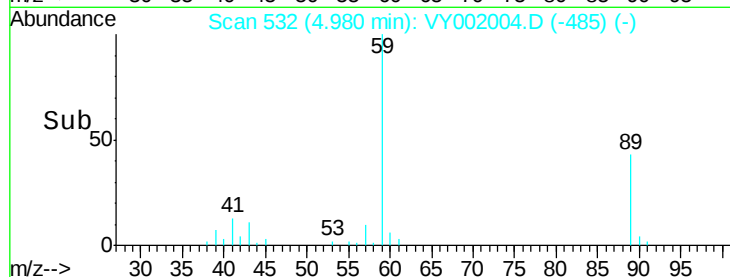
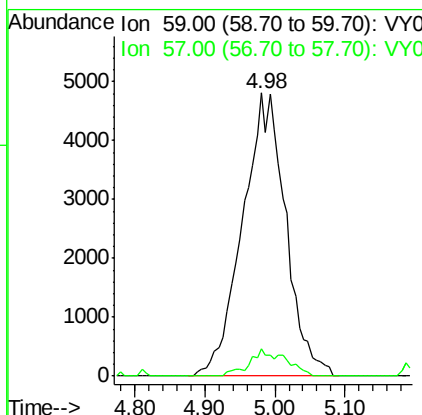
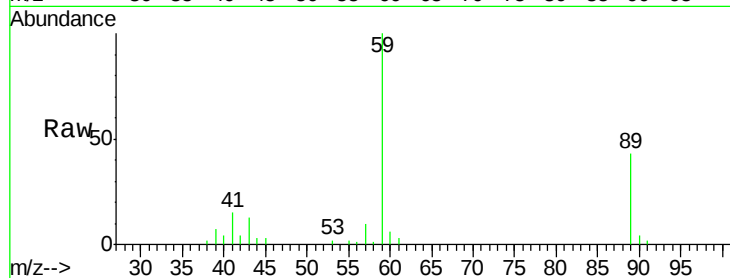
Tert butyl alcohol
 Concen: 106.802 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion: 59 Resp: 20653
 Ion Ratio Lower Upper
 59 100
 57 5.0 7.4 11.2#

Manual Integrations
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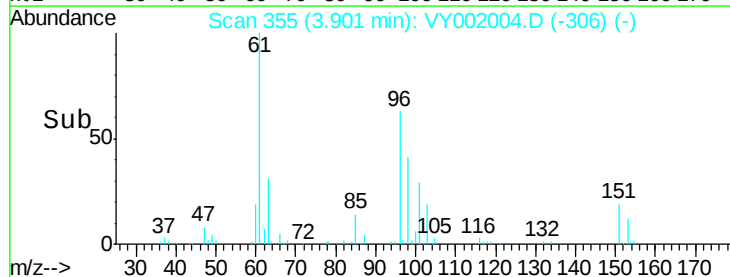
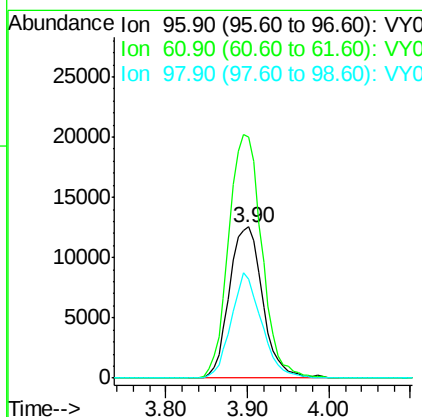
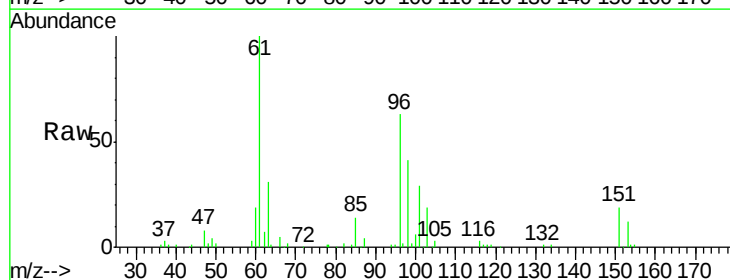
MMDadoda
 3/19/2020 11:59:34 AM

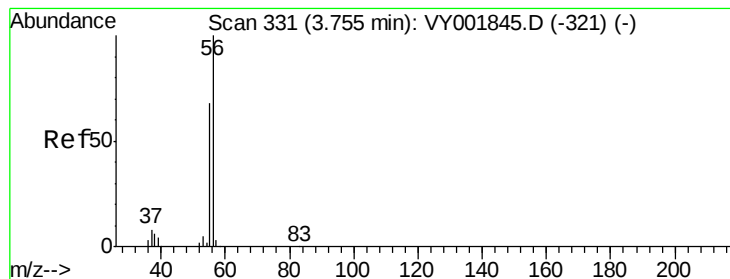


#12

1,1-Dichloroethene
 Concen: 20.527 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 96 Resp: 35434
 Ion Ratio Lower Upper
 96 100
 61 159.4 124.8 187.2
 98 65.3 49.2 73.8





#13

Acrolein

Concen: 73.425 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 56 Resp: 17102

Ion Ratio Lower Upper

56 100

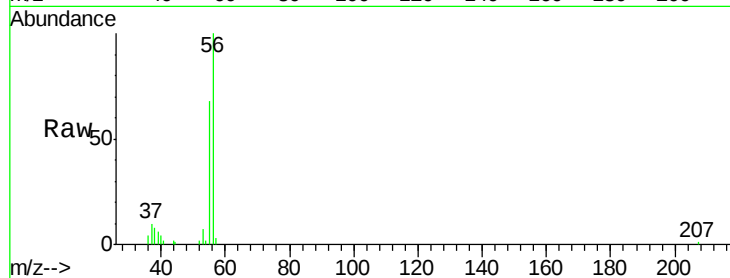
55 70.3 54.0 81.0

Manual Integrations

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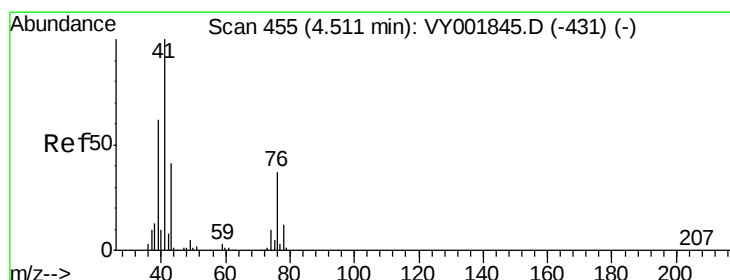
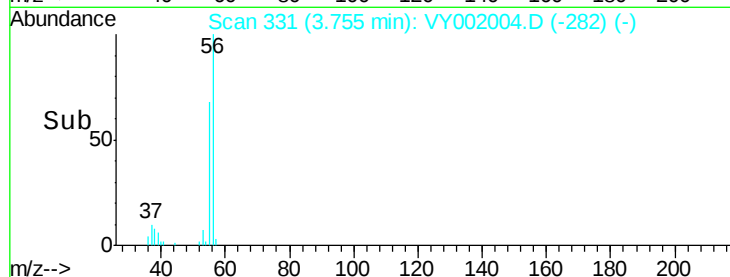
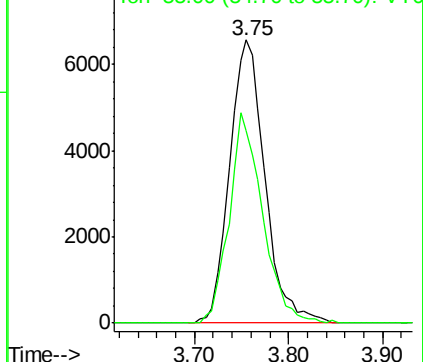
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 20.741 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

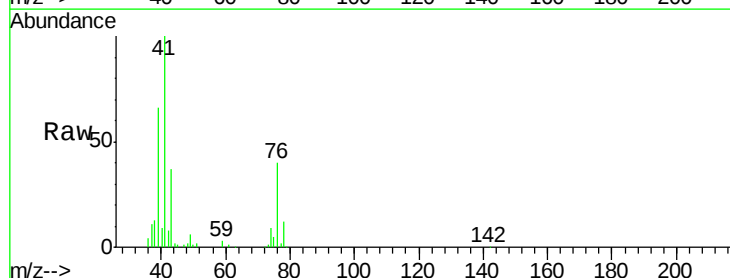
Tgt Ion: 41 Resp: 63473

Ion Ratio Lower Upper

41 100

39 61.9 49.0 73.6

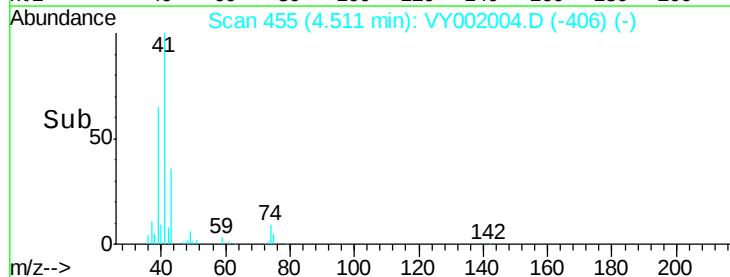
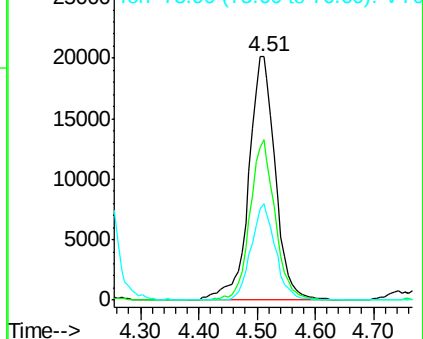
76 36.0 28.9 43.3

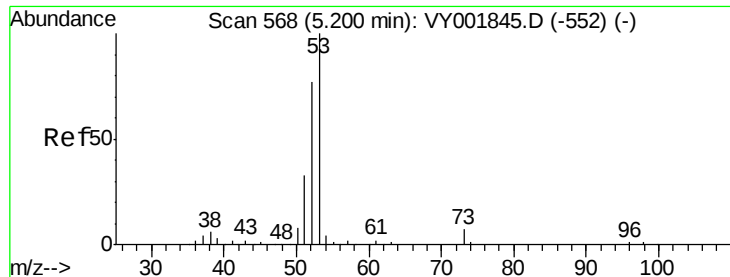


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 94.597 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

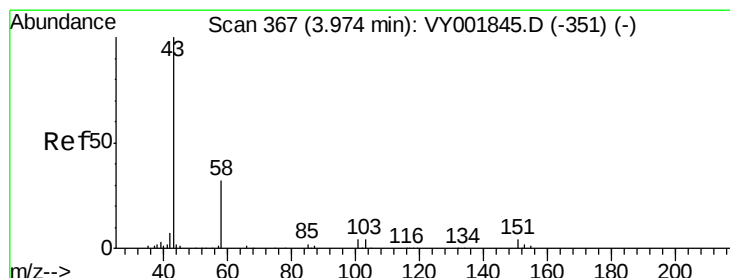
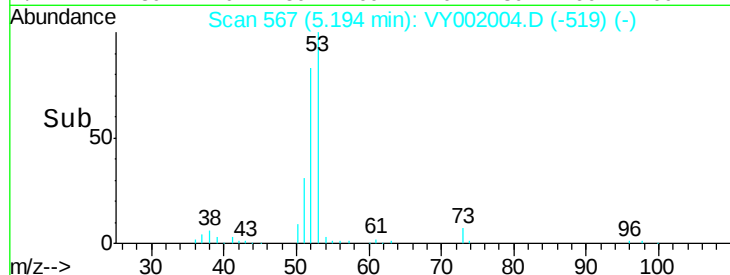
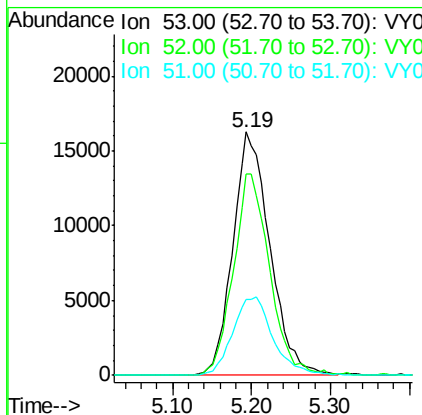
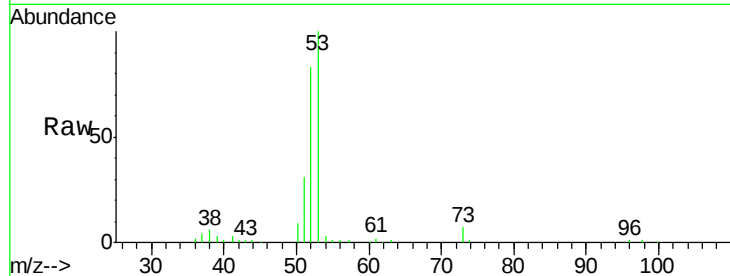
ClientSampleId :

VY0318SBS01

Tot Ion:	53	Resp:	53104
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.1	97.7
51	35.1	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 88.492 ug/l

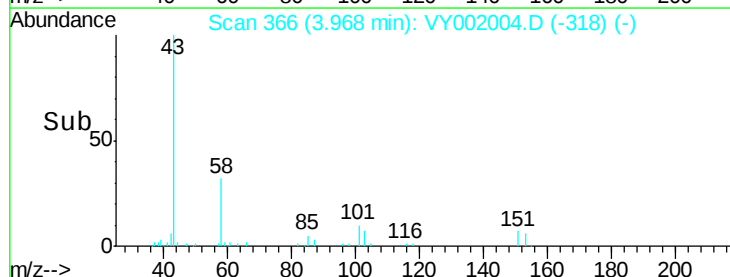
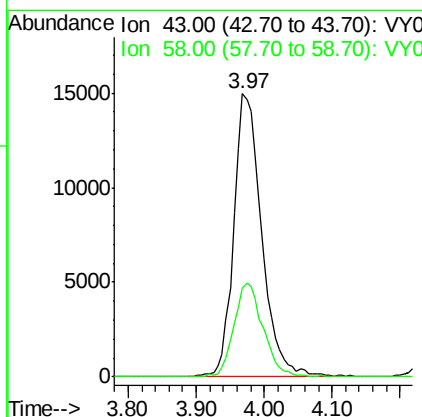
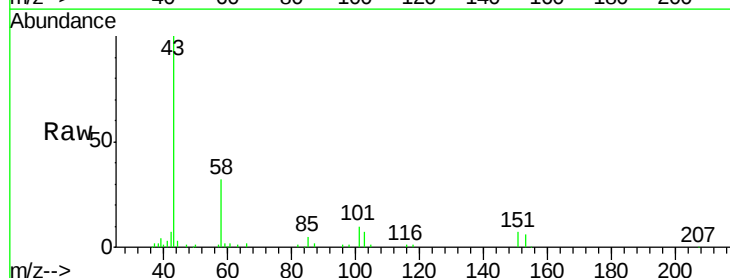
RT: 3.97 min Scan# 366

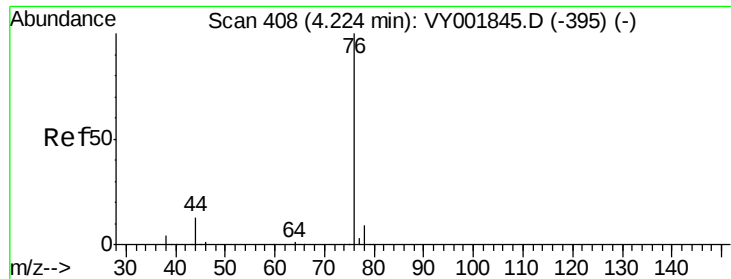
Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion:	43	Resp:	42721
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.9	38.9





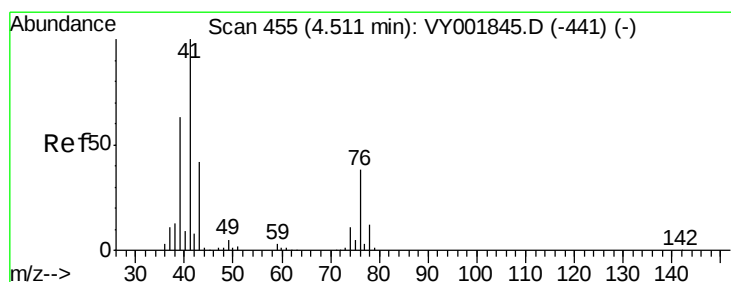
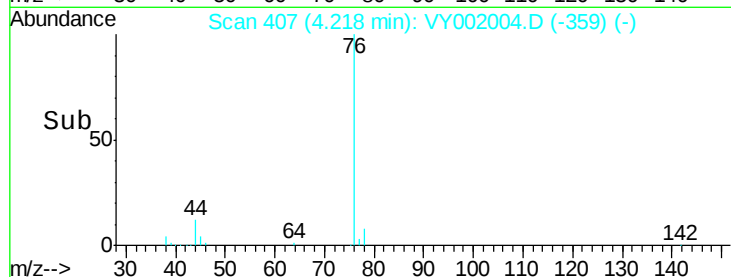
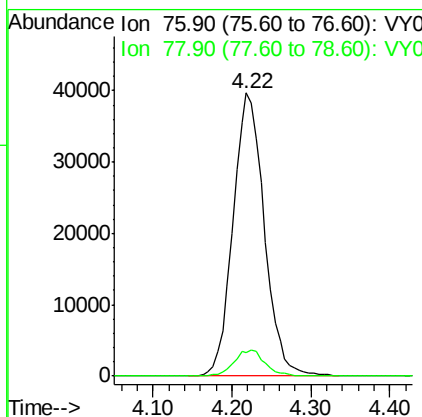
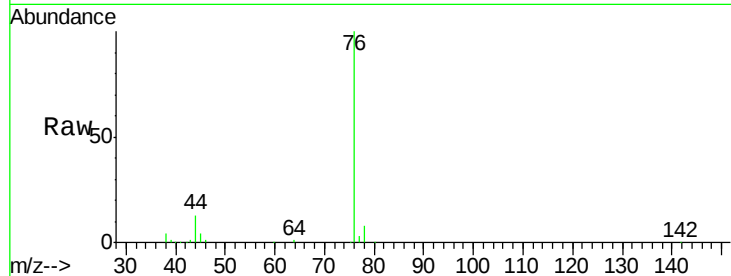
#17
Carbon Disulfide
Concen: 18.809 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.4	11.2

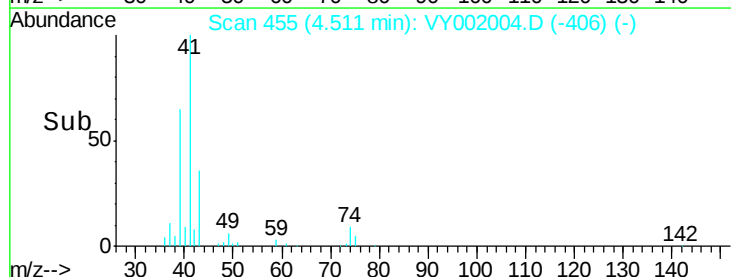
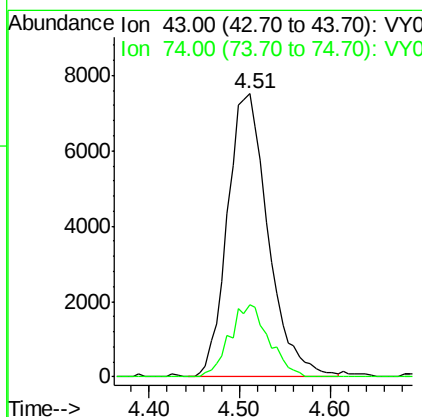
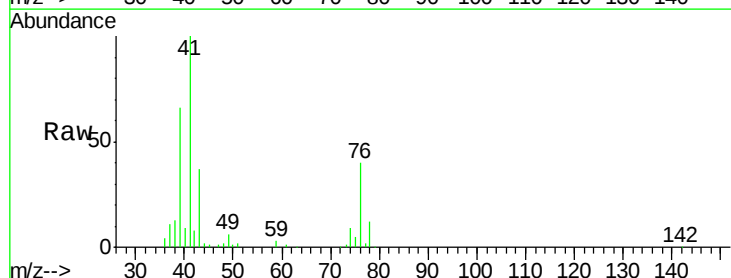
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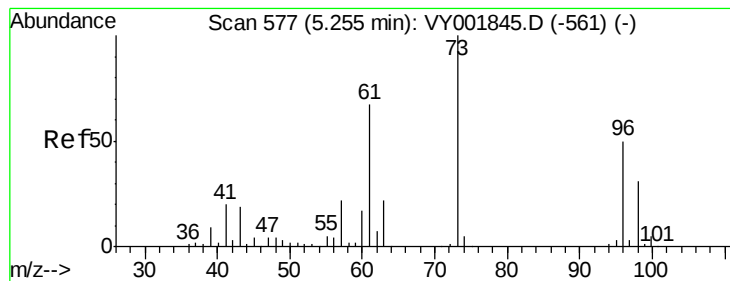
MMDadoda
3/19/2020 11:59:34 AM



#18
Methyl Acetate
Concen: 18.914 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.0	28.6





#19

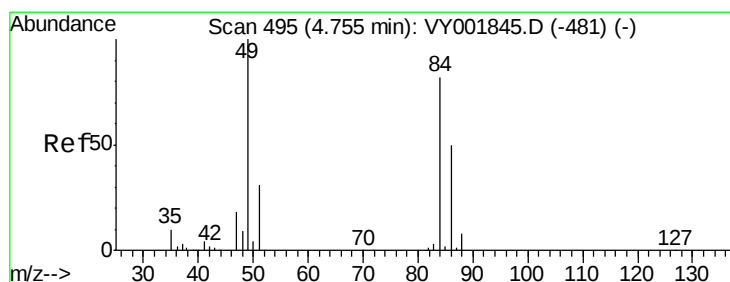
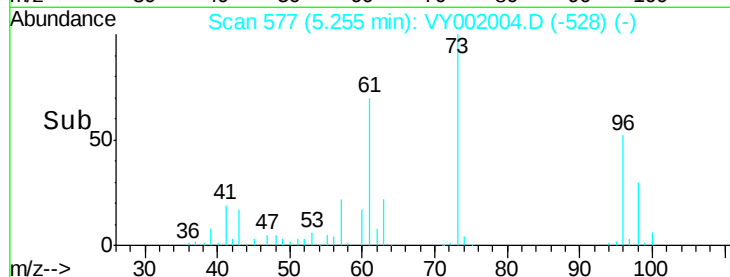
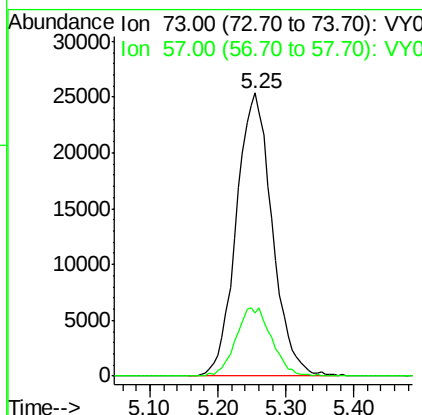
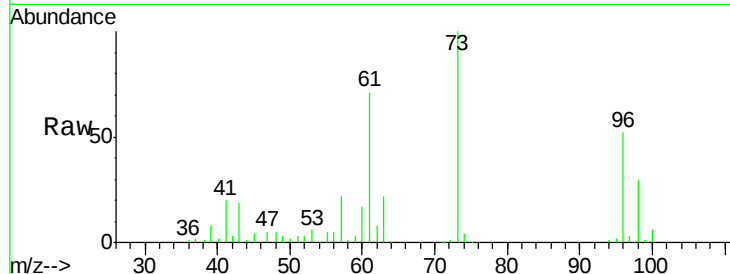
Methyl tert-butyl Ether
 Concen: 19.828 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	73	Resp	92755
Ion Ratio	100	Lower	Upper
57	22.3	17.4	26.2

Manual Integrations
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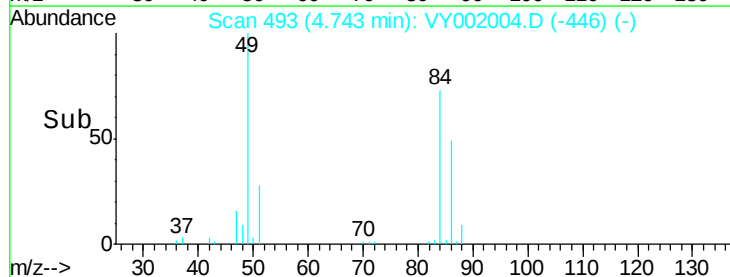
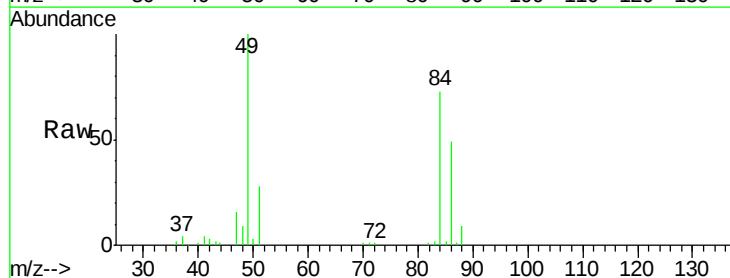
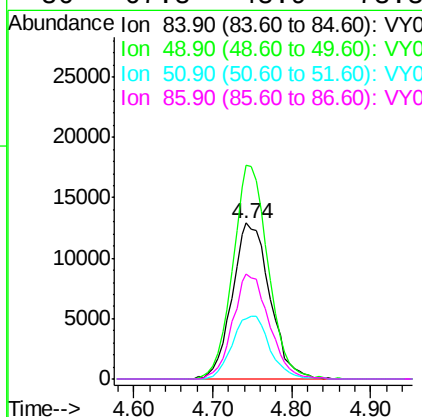
MMDadoda
 3/19/2020 11:59:34 AM



#20

Methylene Chloride
 Concen: 20.708 ug/l
 RT: 4.74 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	84	Resp	42845
Ion Ratio	100	Lower	Upper
49	137.3	98.2	147.2
51	39.0	30.2	45.2
86	67.8	48.9	73.3





#21

trans-1,2-Dichloroethene

Concen: 20.761 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

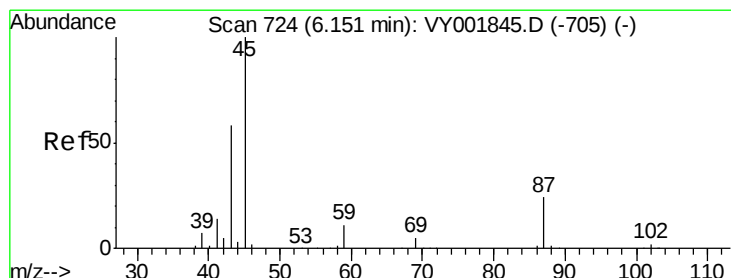
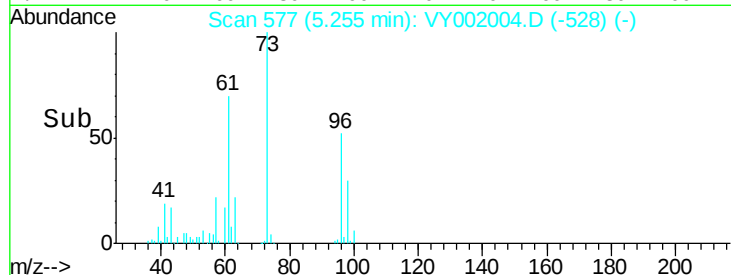
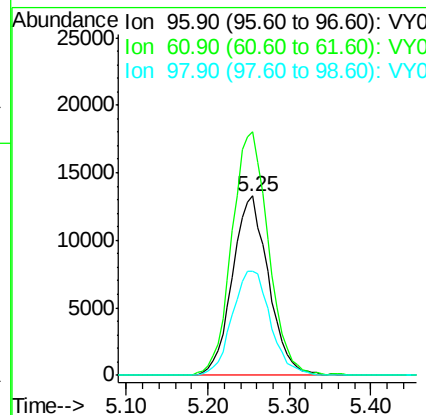
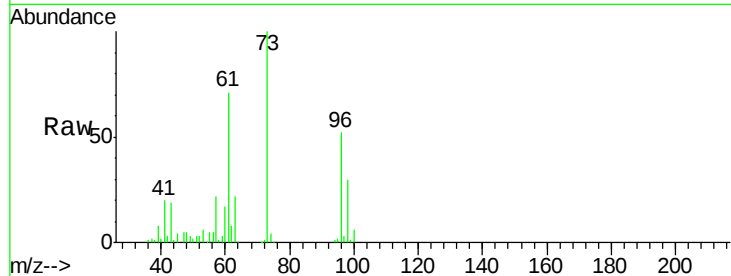
ClientSampleId :

VY0318SBS01

Tot Ion:	96	Resp:	40678
Ion	Ratio	Lower	Upper
96	100		
61	135.8	107.7	161.5
98	57.7	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.168 ug/l

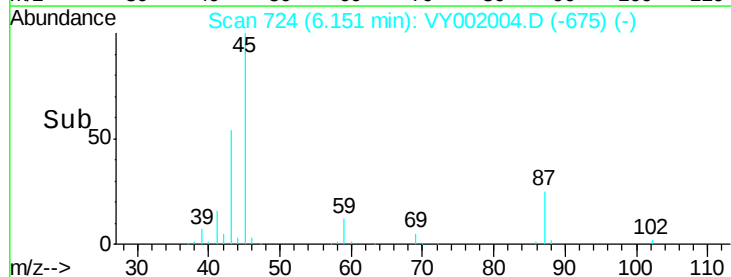
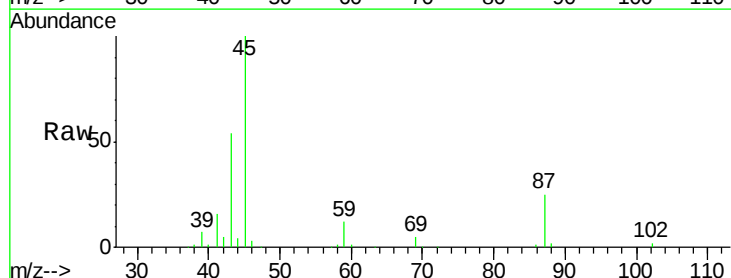
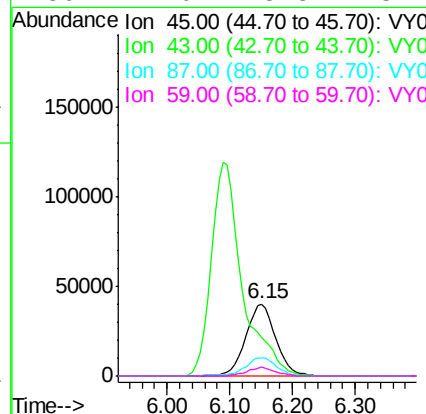
RT: 6.15 min Scan# 724

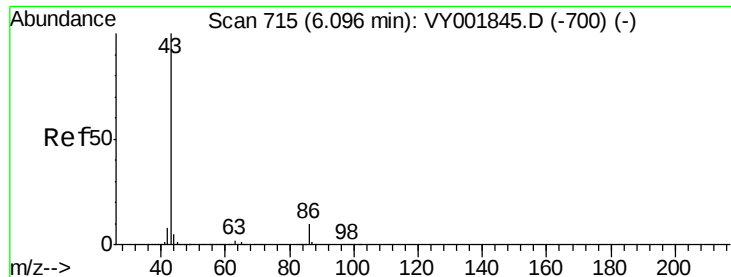
Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion:	45	Resp:	132784
Ion	Ratio	Lower	Upper
45	100		
43	54.1	47.2	70.8
87	25.4	19.8	29.8
59	12.0	8.8	13.2





#23

Vinyl Acetate

Concen: 98.700 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 43 Resp: 405888

Ion Ratio Lower Upper

43 100

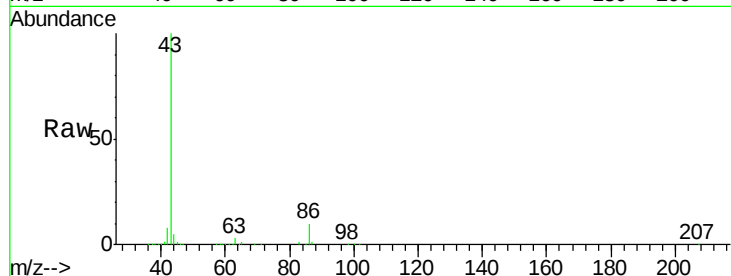
86 10.1 7.8 11.8

Manual Integrations

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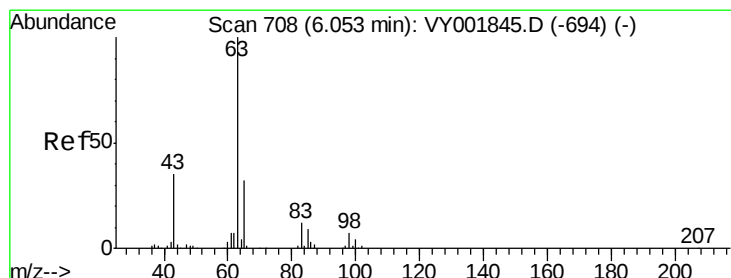
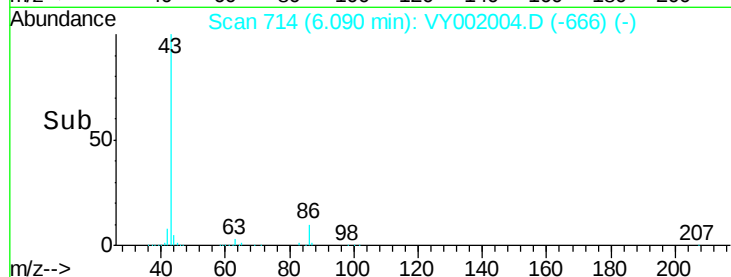
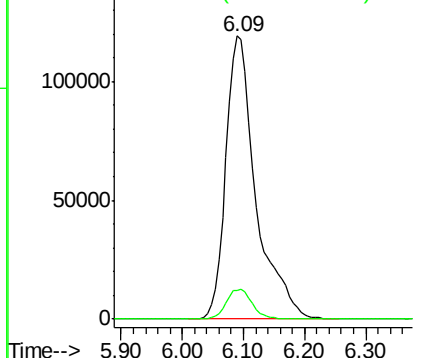
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 21.024 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

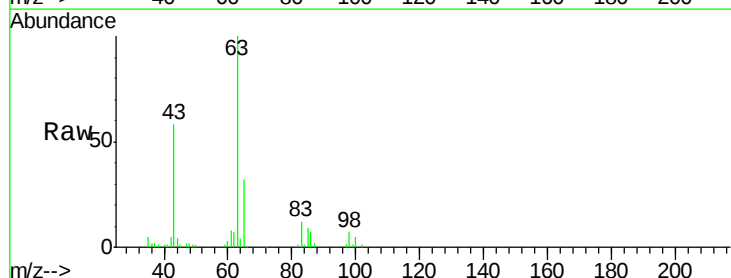
Tgt Ion: 63 Resp: 71419

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

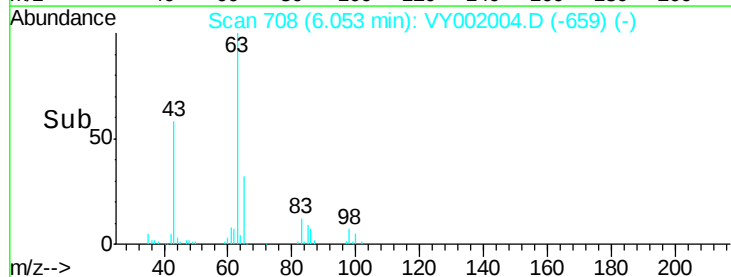
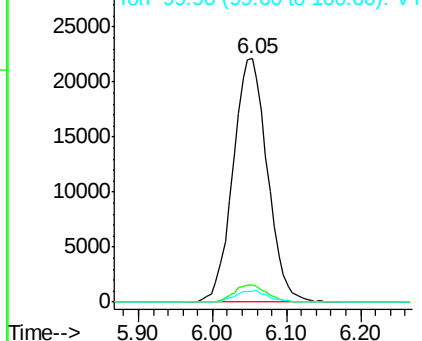
100 4.5 2.0 6.0

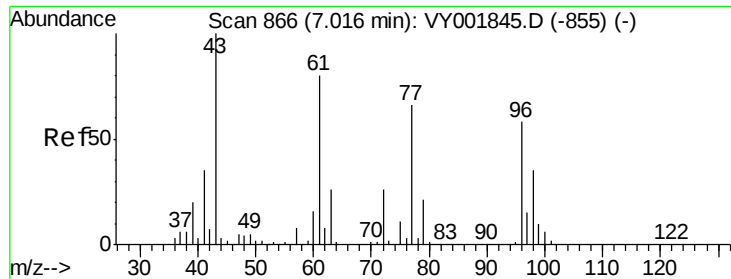


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 92.174 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 43 Resp: 67670

Ion Ratio Lower Upper

43 100

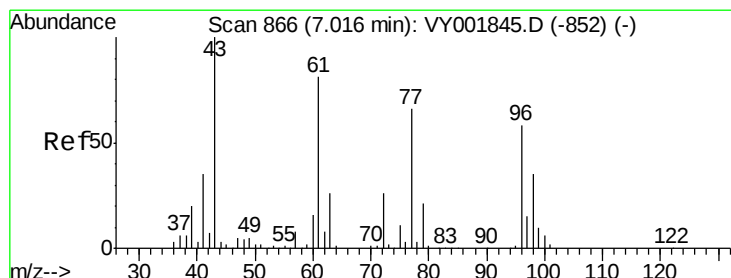
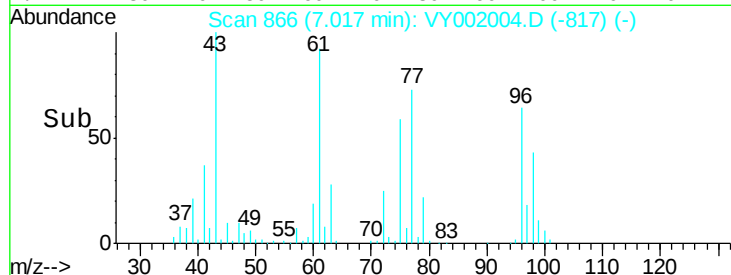
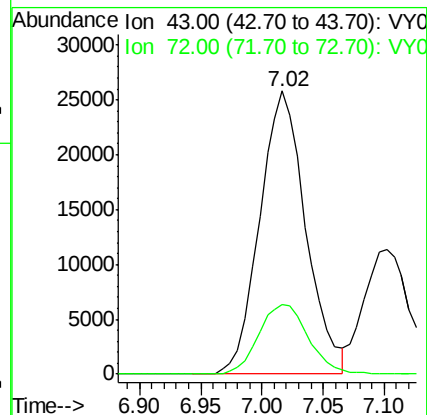
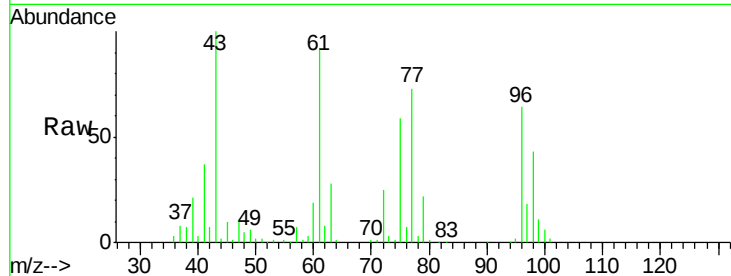
72 24.7 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.747 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY002004.D

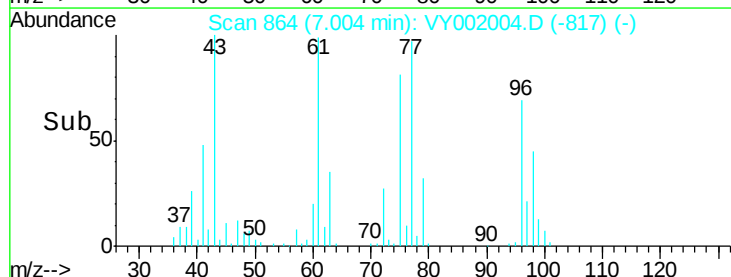
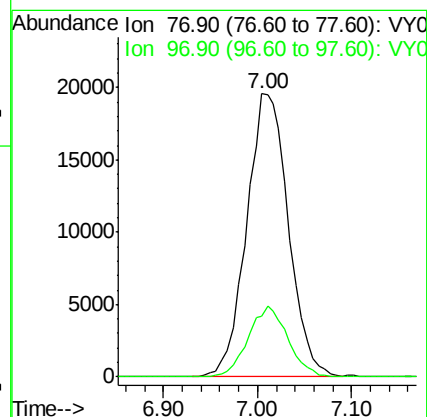
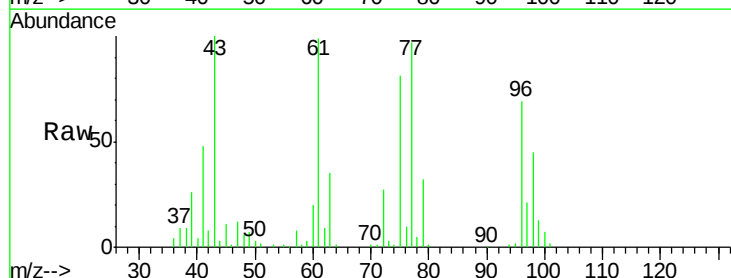
Acq: 18 Mar 2020 11:25

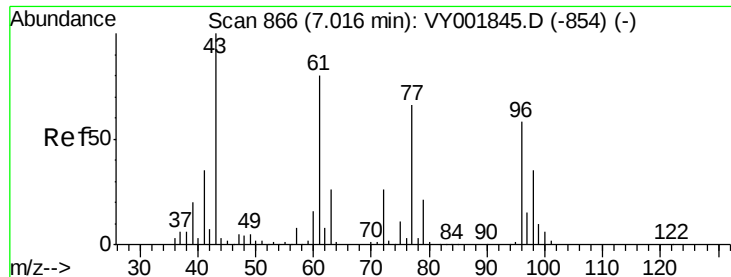
Tgt Ion: 77 Resp: 60633

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.7





#27

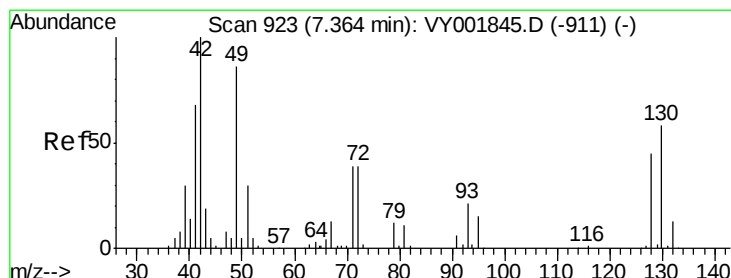
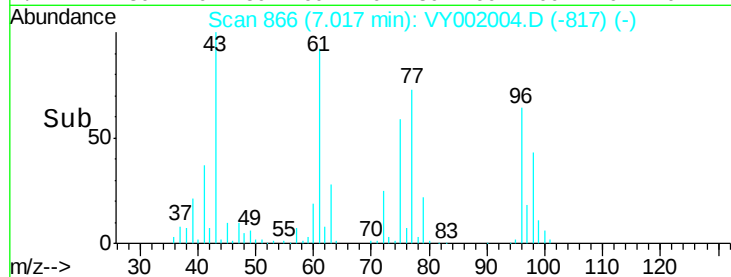
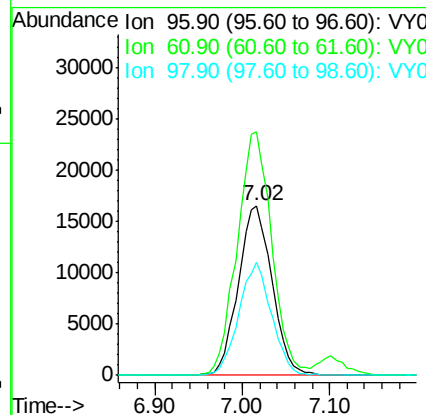
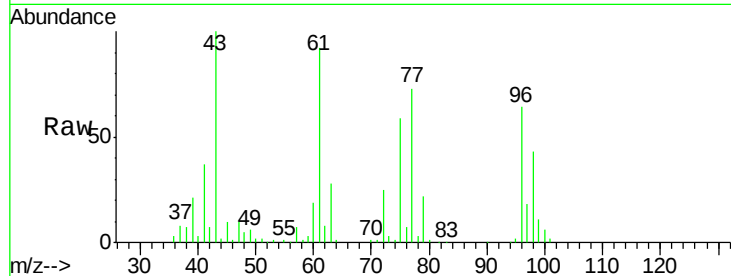
cis-1,2-Dichloroethene
Concen: 20.785 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	288.2
98	64.3	0.0	129.0

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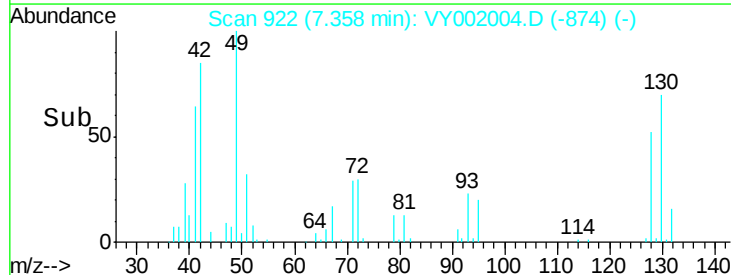
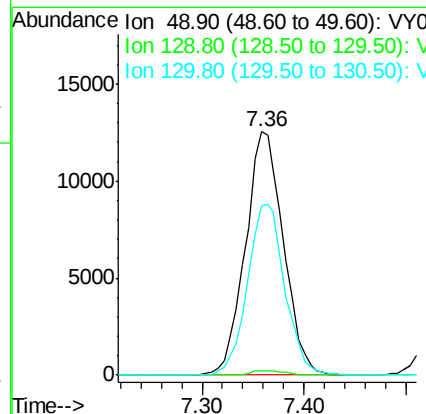
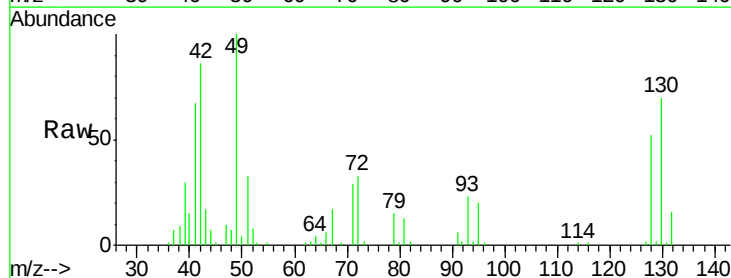
MMDadoda
3/19/2020 11:59:34 AM

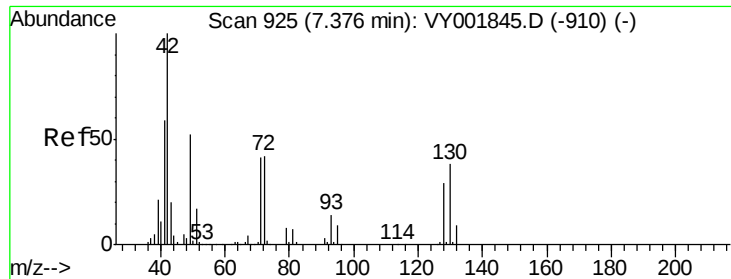


#28

Bromochloromethane
Concen: 21.168 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	69.0	54.4	81.6





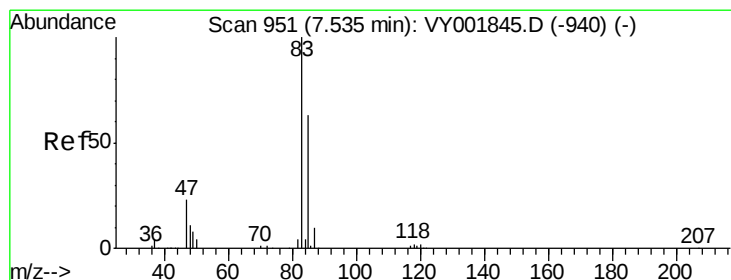
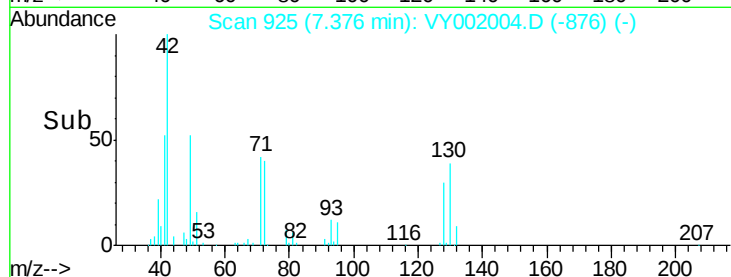
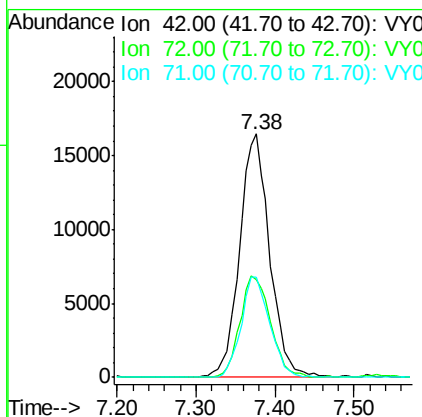
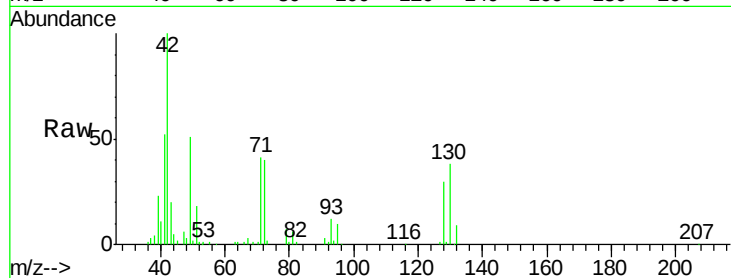
#29
Tetrahydrofuran
Concen: 89.394 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.5	50.3
71	39.4	31.3	46.9

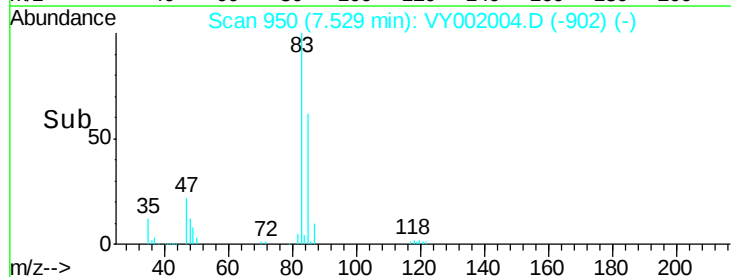
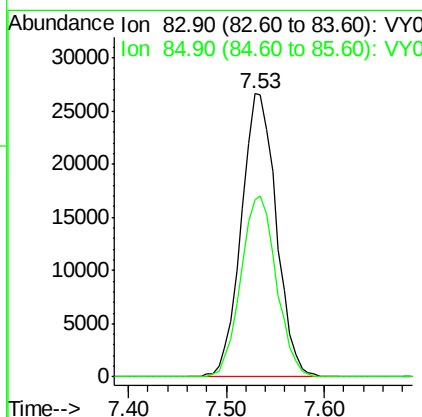
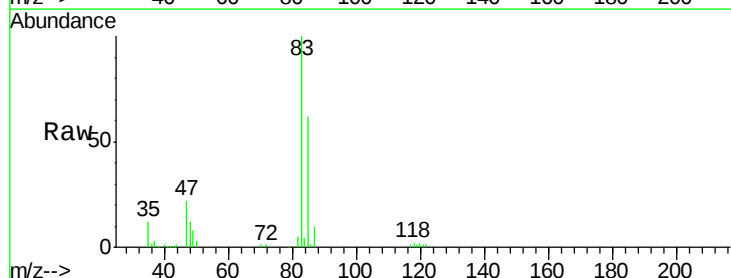
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#30
Chloroform
Concen: 20.724 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.7	76.1





#31

Cyclohexane

Concen: 20.074 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 56 Resp: 73116

Ion Ratio Lower Upper

56 100

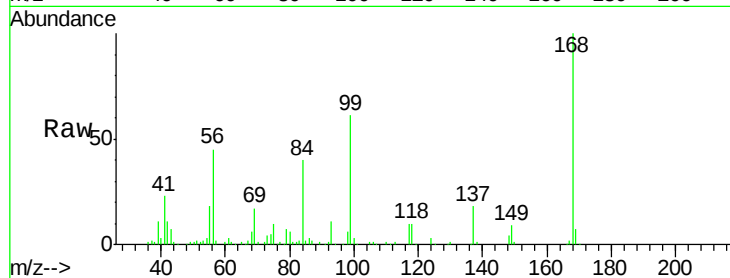
69 38.2 26.7 40.1

84 85.8 70.4 105.6

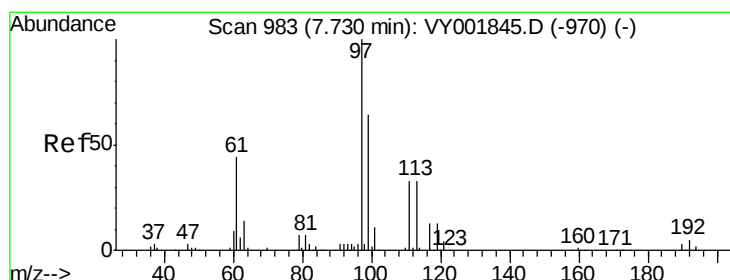
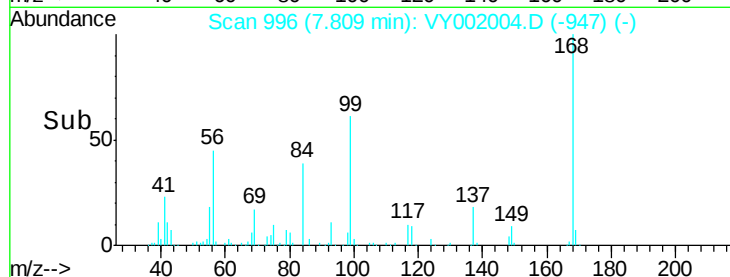
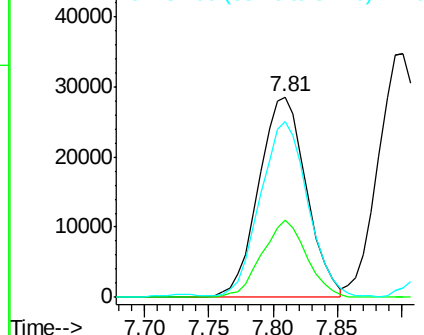
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 21.287 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

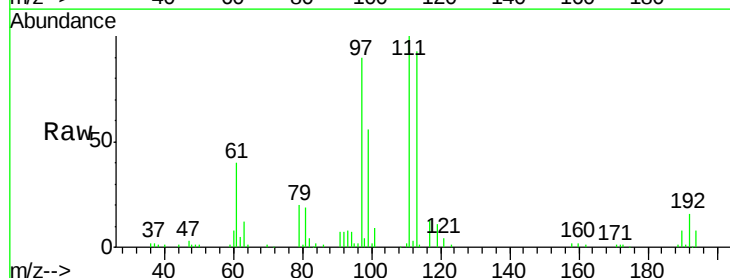
Tgt Ion: 97 Resp: 57262

Ion Ratio Lower Upper

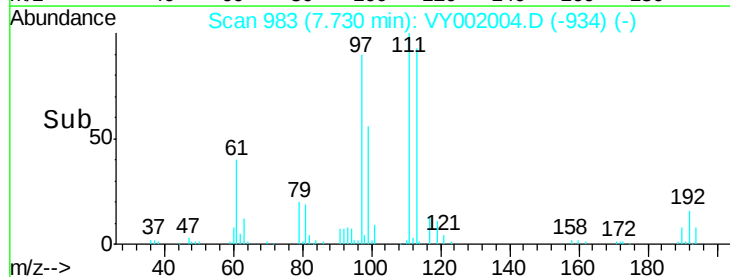
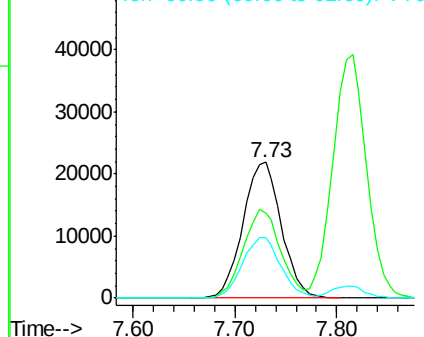
97 100

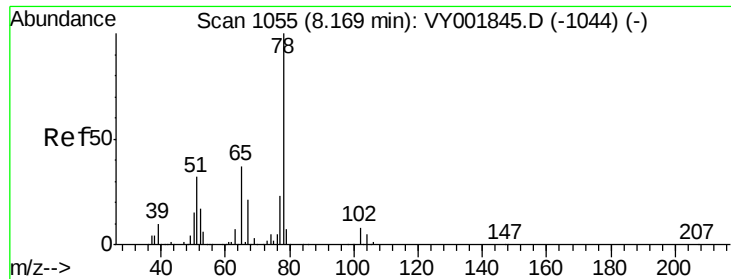
99 63.3 52.0 78.0

61 44.7 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 48.821 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 65 Resp: 80921

Ion Ratio Lower Upper

65 100

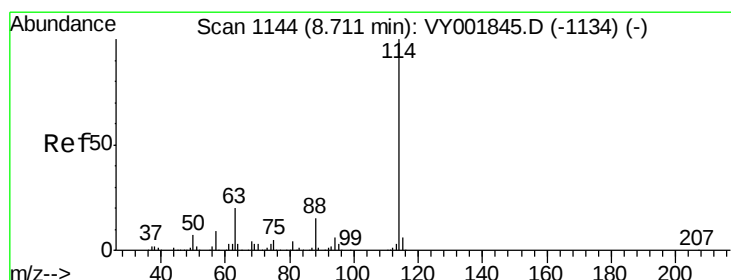
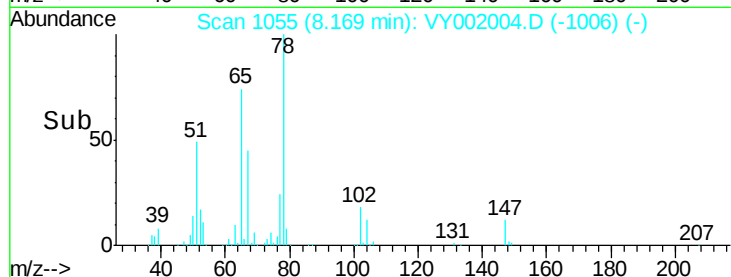
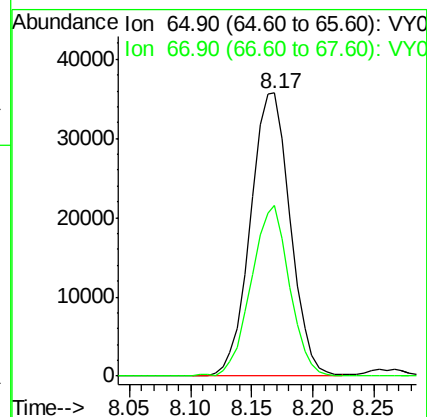
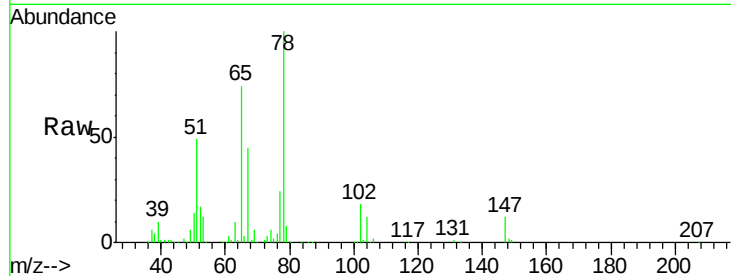
67 58.2 0.0 110.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

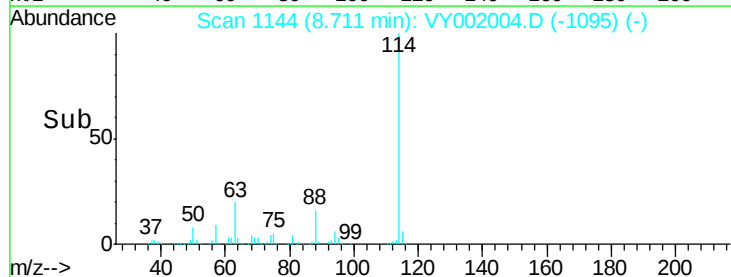
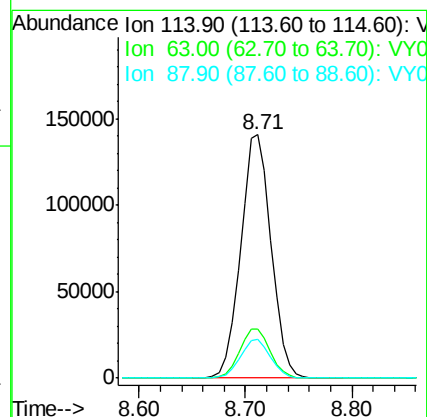
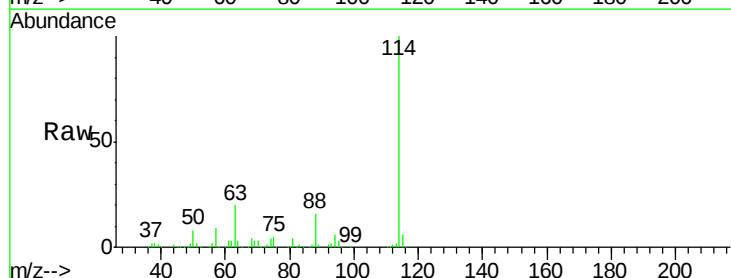
Tgt Ion: 114 Resp: 280456

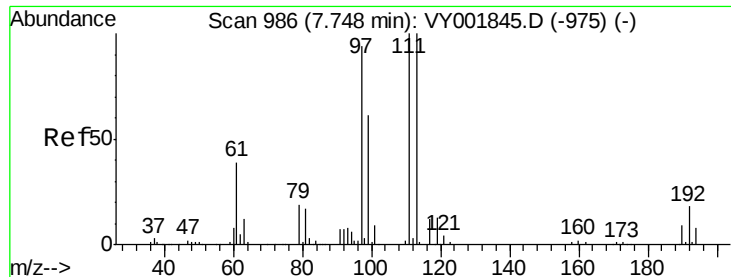
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.460 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

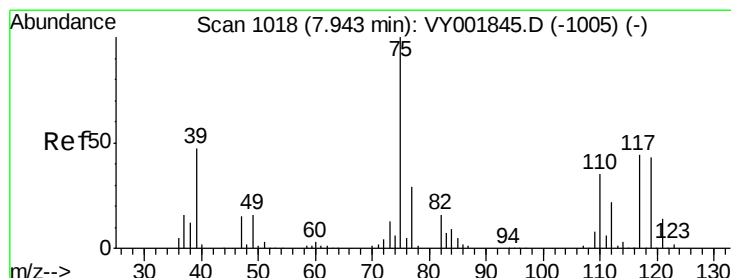
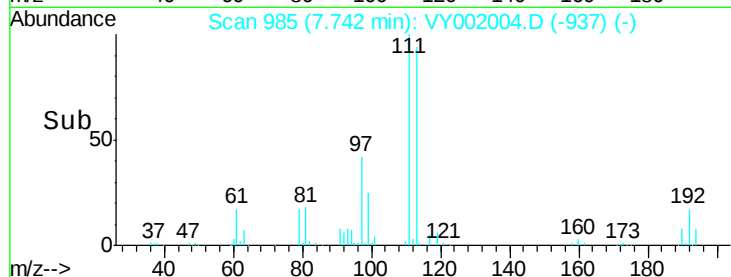
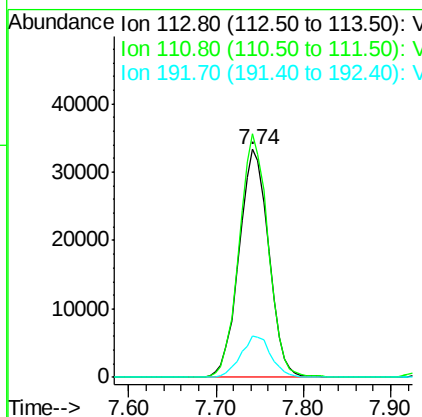
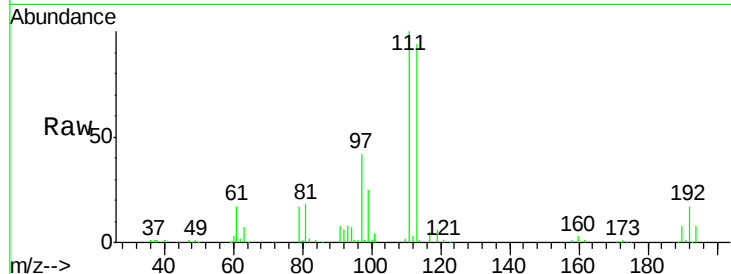
ClientSampleId :

VY0318SBS01

Tot Ion:	113	Resp:	78806
Ion Ratio	Lower	Upper	
113	100		
111	104.3	81.8	122.8
192	18.4	14.2	21.2

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#36

1,1-Dichloropropene

Concen: 20.888 ug/l

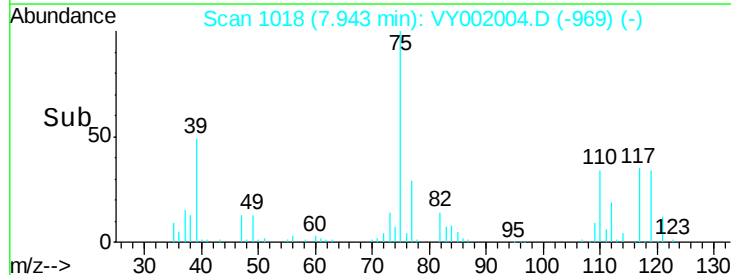
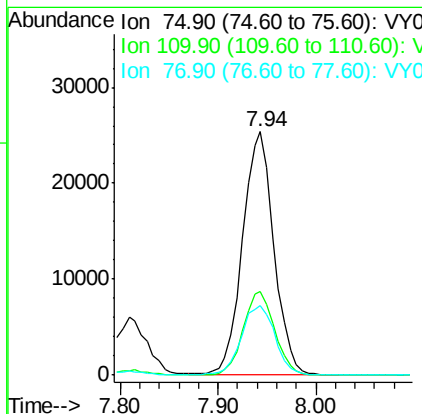
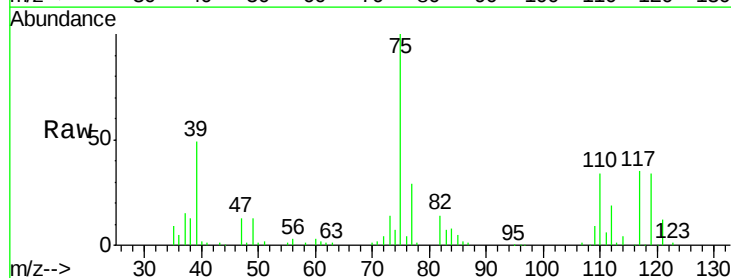
RT: 7.94 min Scan# 1018

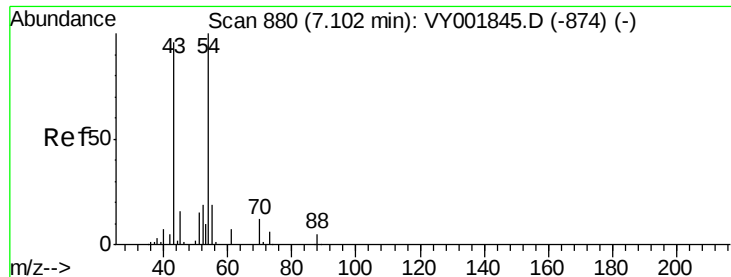
Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion:	75	Resp:	56374
Ion Ratio	Lower	Upper	
75	100		
110	34.4	17.4	52.2
77	30.7	24.2	36.2





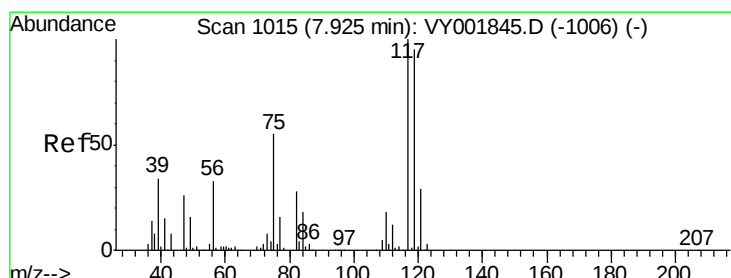
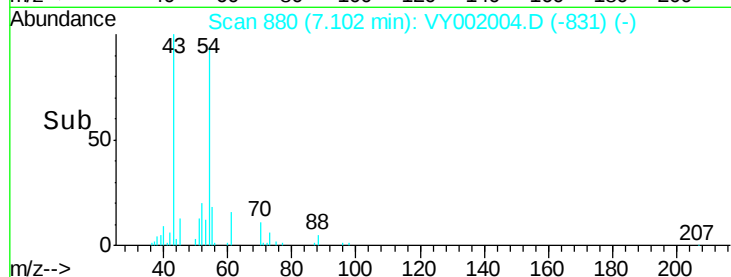
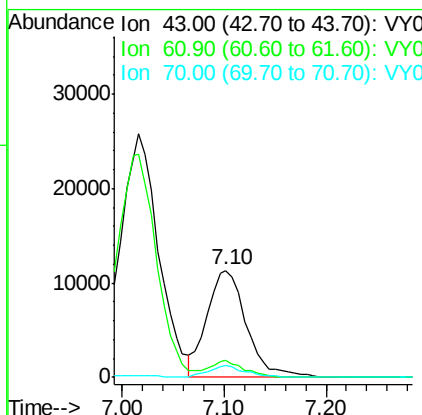
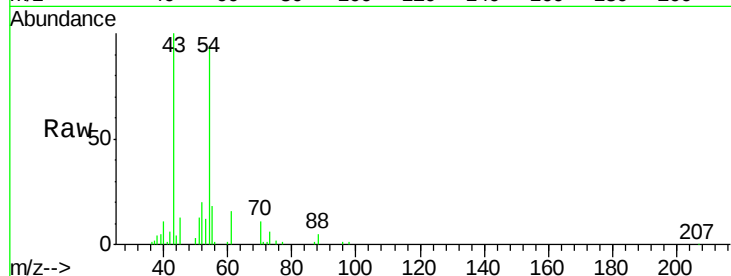
#37
Ethyl Acetate
Concen: 19.497 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.1	16.7
70	10.3	8.2	12.4

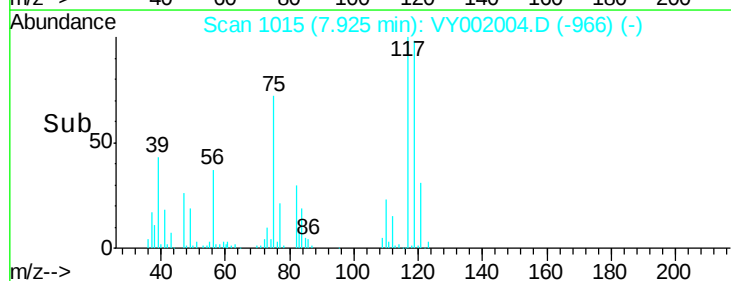
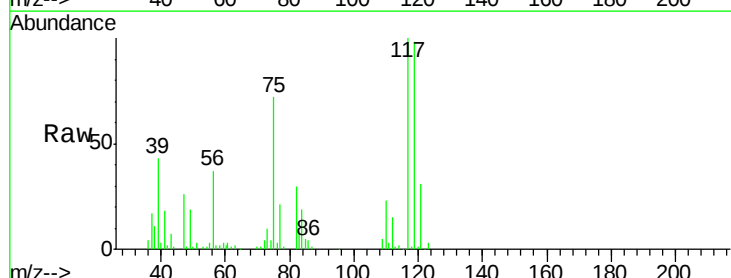
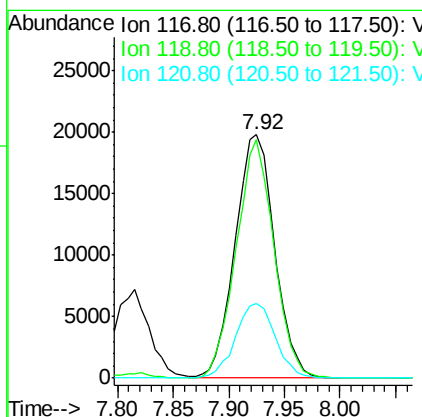
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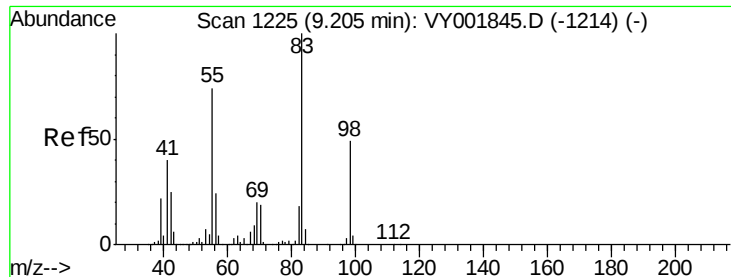
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#38
Carbon Tetrachloride
Concen: 21.234 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.3	114.5
121	30.6	23.5	35.3





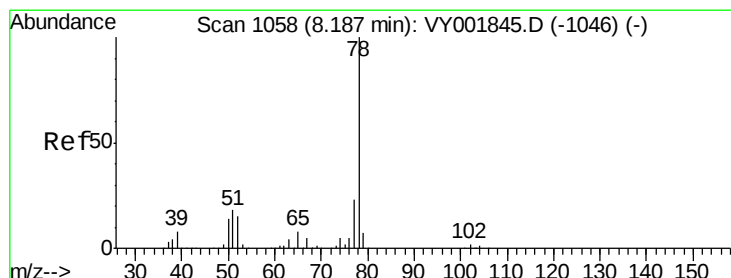
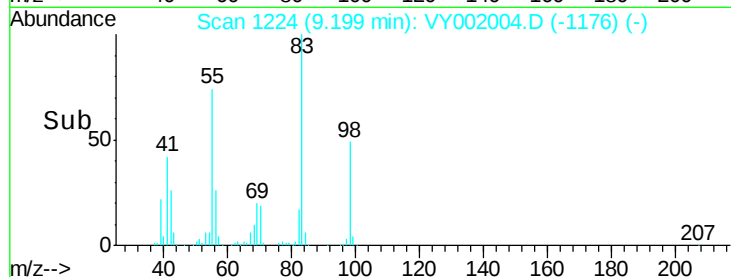
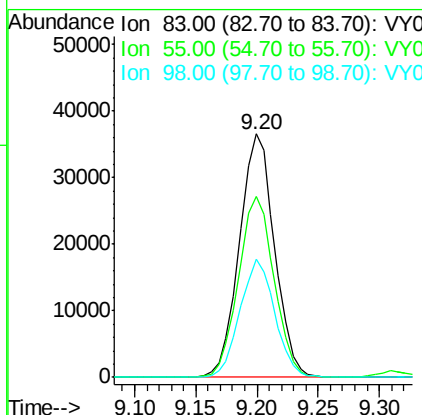
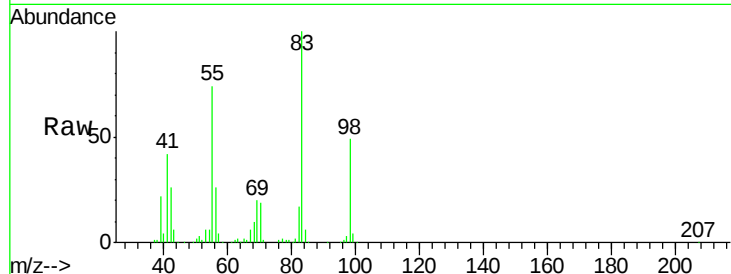
#39
Methvlcvclohexane
Concen: 20.373 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	59.4	89.0
98	48.7	38.9	58.3

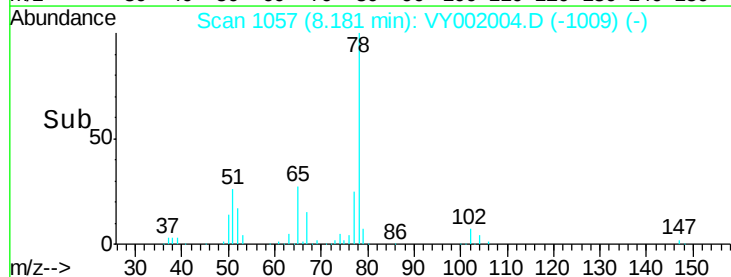
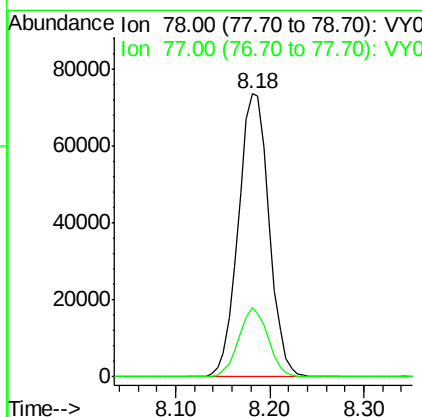
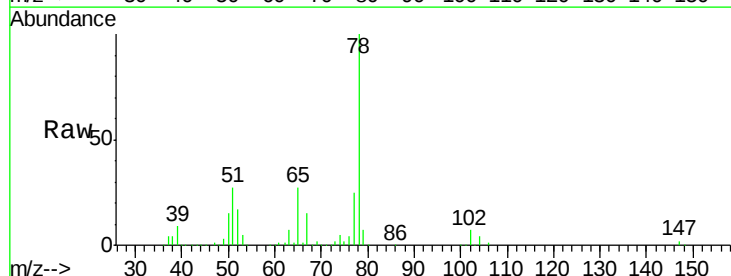
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#40
Benzene
Concen: 20.947 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.7	28.1





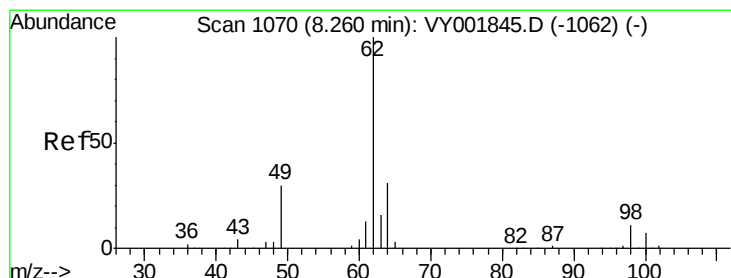
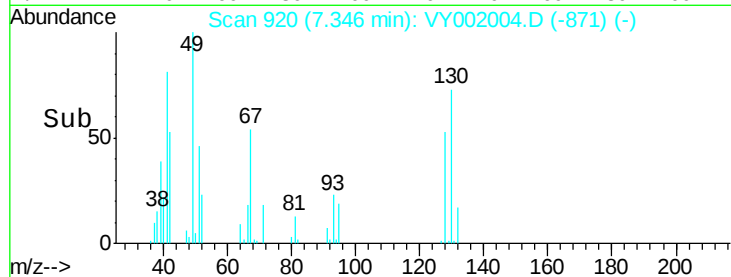
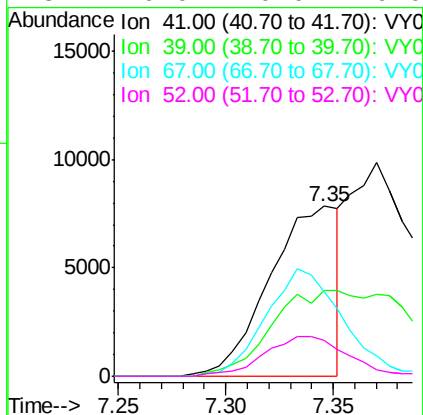
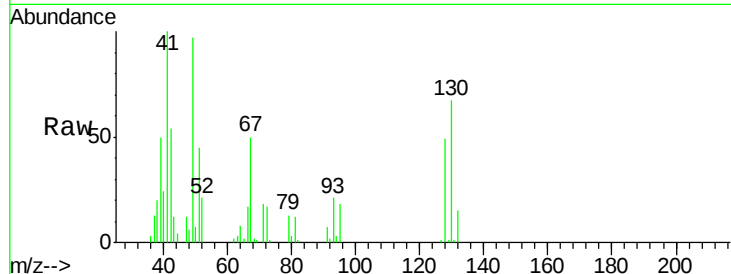
#41
Methacrylonitrile
Concen: 25.050 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 41 Resp: 17683
Ion Ratio Lower Upper
41 100
39 102.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

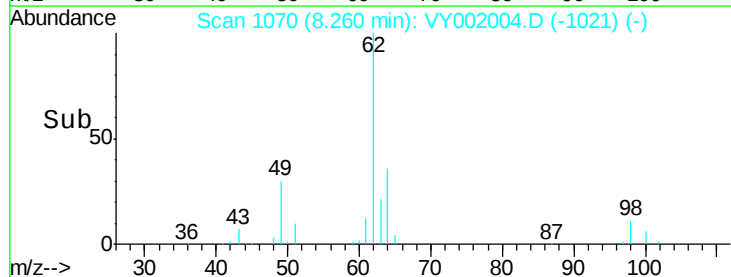
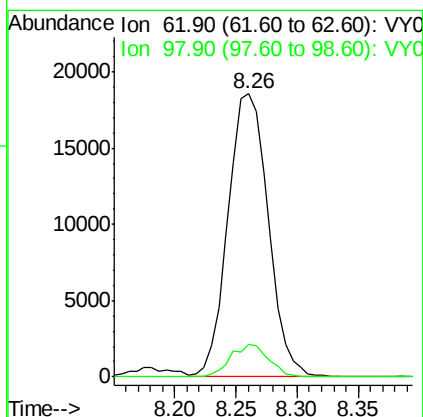
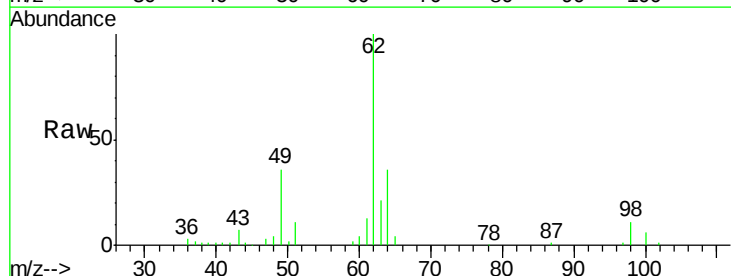
Manual Integrations
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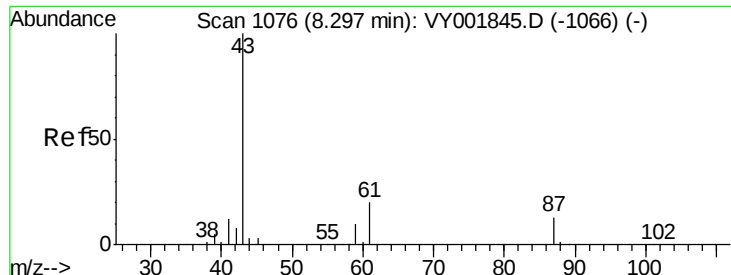
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#42
1,2-Dichloroethane
Concen: 20.615 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 62 Resp: 42493
Ion Ratio Lower Upper
62 100
98 10.8 0.0 21.4





#43

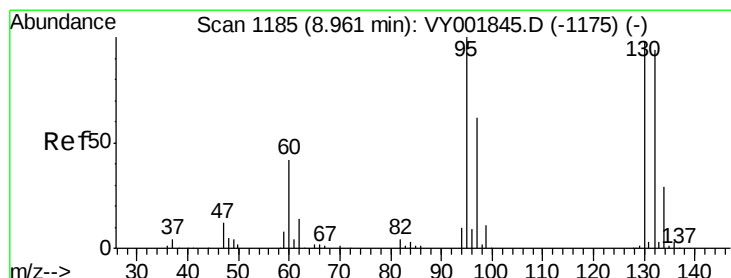
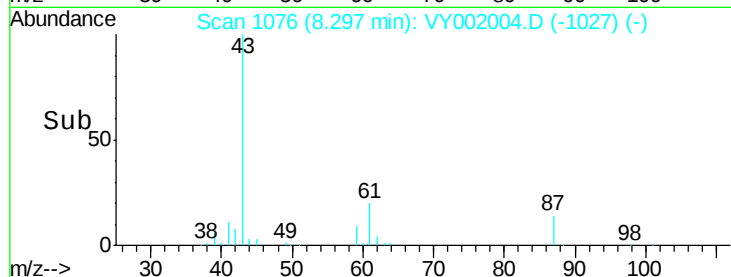
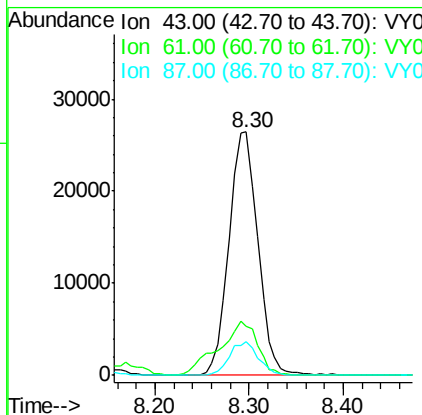
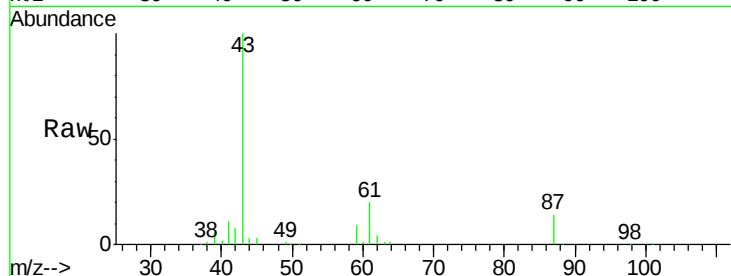
Isopropyl Acetate
 Concen: 19.061 ug/l
 RT: 8.30 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.8	35.6
87	13.7	10.9	16.3

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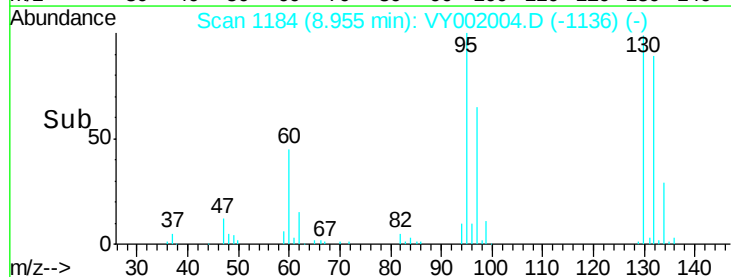
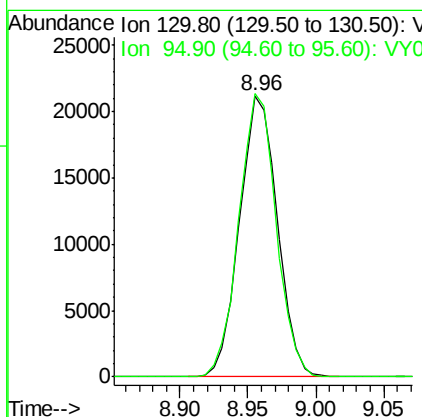
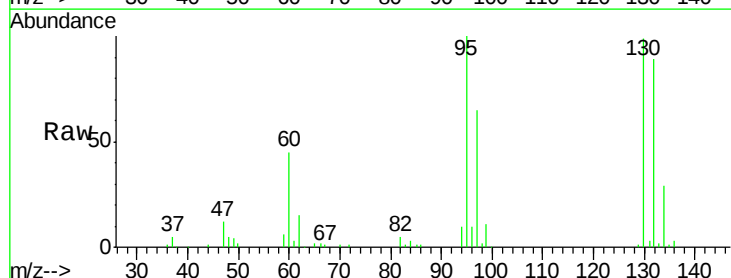
MMDadoda
 3/19/2020 11:59:34 AM

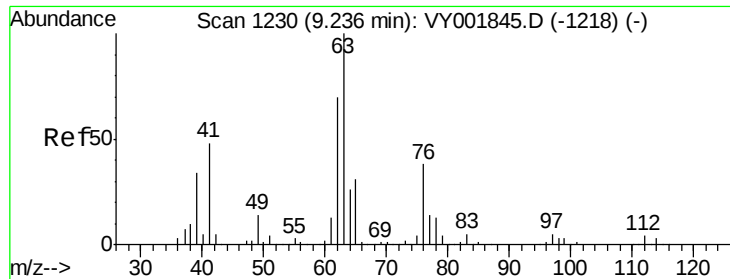


#44

Trichloroethene
 Concen: 21.138 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	204.6





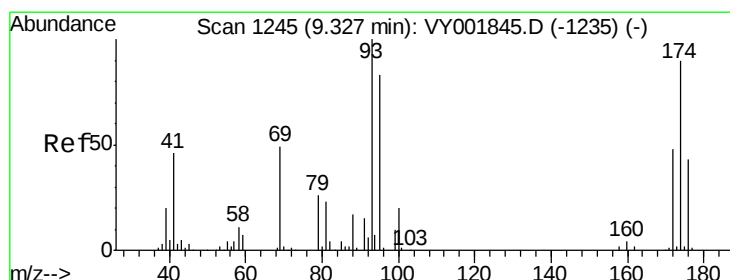
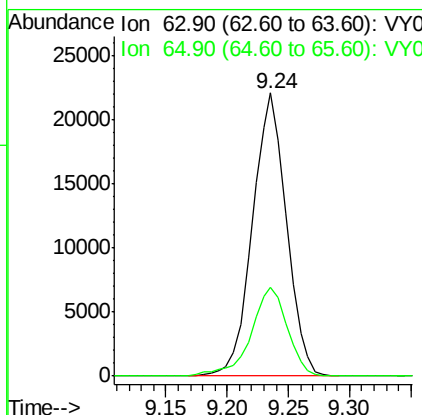
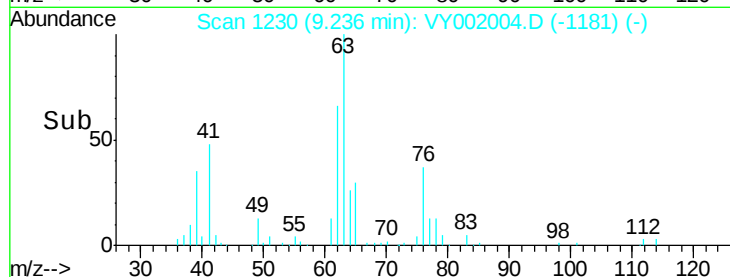
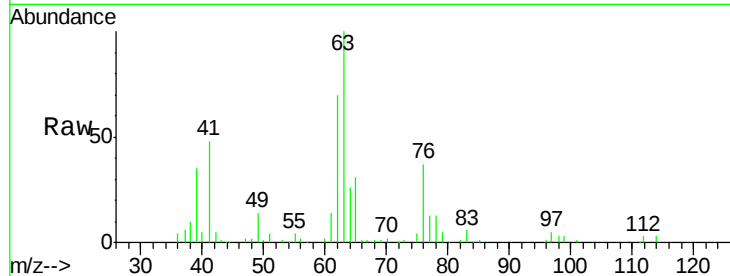
#45
 1,2-Dichloropropane
 Concen: 21.265 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion: 63 Resp: 42761
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3

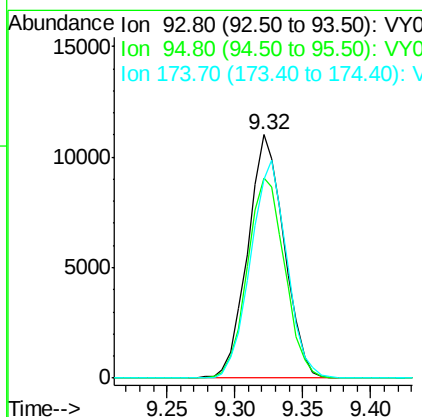
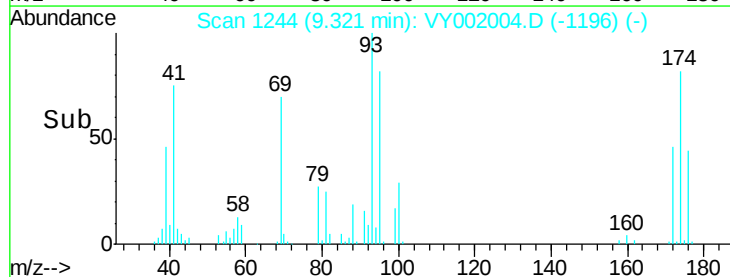
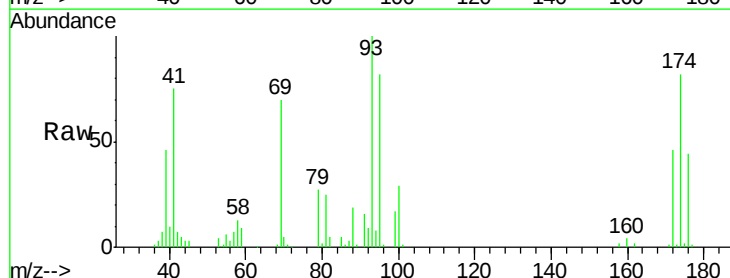
Manual Integrations
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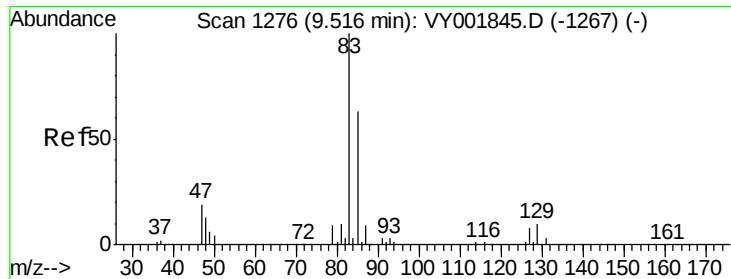
MMDadoda
 3/19/2020 11:59:34 AM



#46
 Dibromomethane
 Concen: 19.933 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion: 93 Resp: 20656
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.4
 174 88.9 71.8 107.8





#47

Bromodichloromethane

Concen: 21.321 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

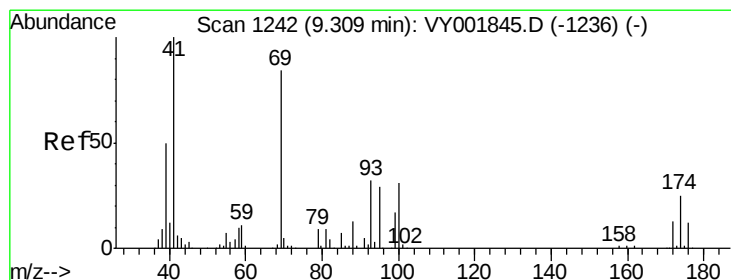
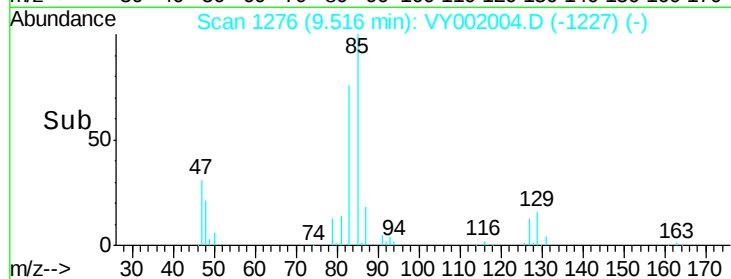
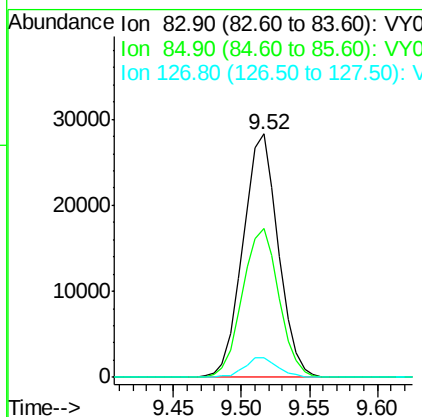
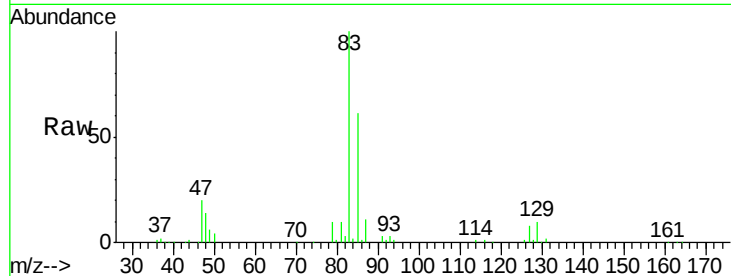
ClientSampleId :

VY0318SBS01

Tot Ion:	83	Resp:	51396
Ion Ratio	Lower	Upper	
83	100		
85	61.1	50.6	76.0
127	7.9	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.422 ug/l

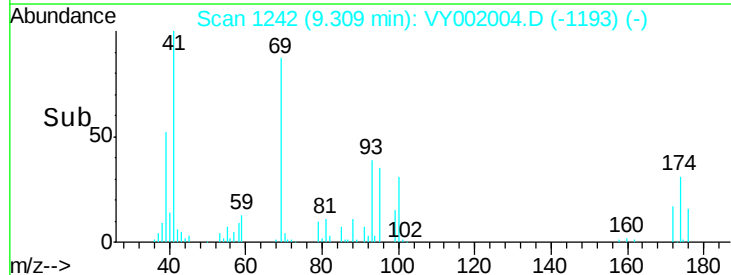
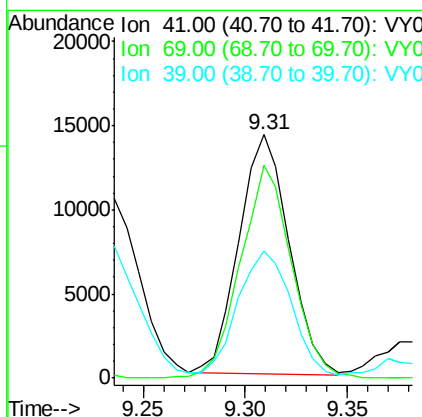
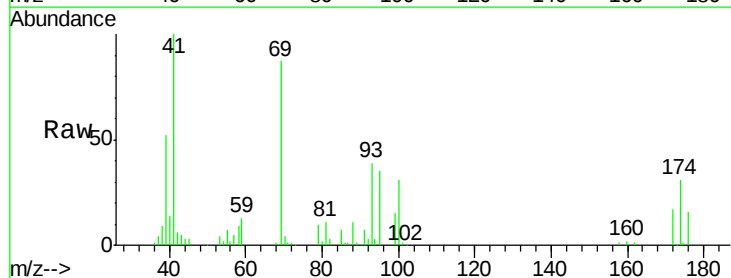
RT: 9.31 min Scan# 1242

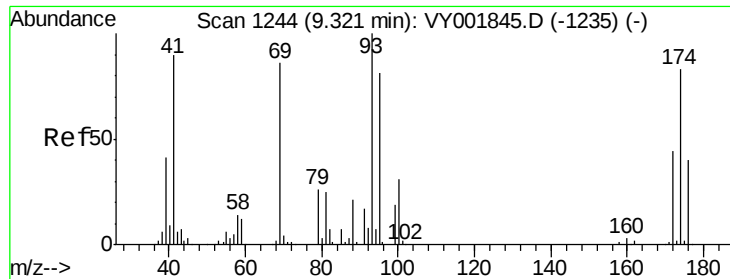
Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion:	41	Resp:	24276
Ion Ratio	Lower	Upper	
41	100		
69	90.4	69.0	103.6
39	54.7	39.1	58.7





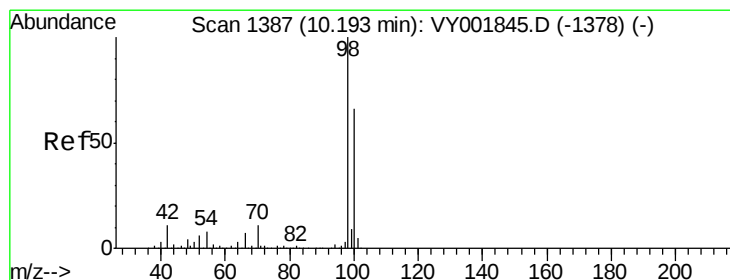
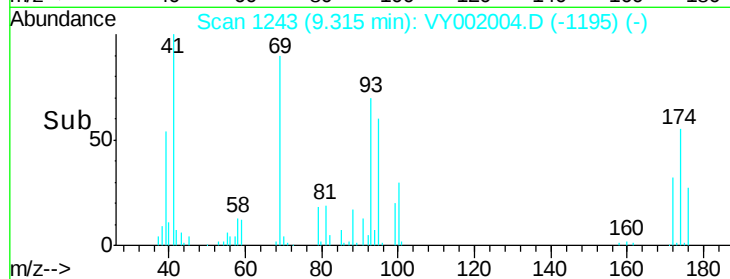
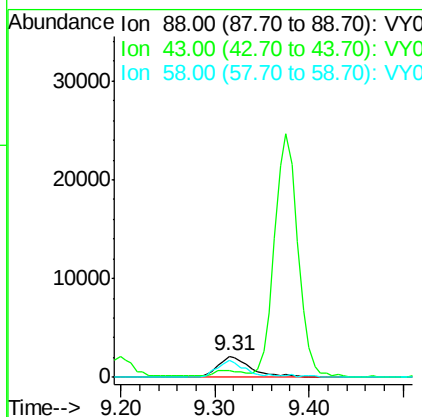
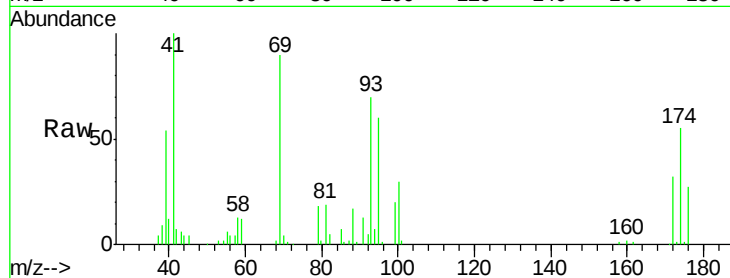
#49
1,4-Dioxane
Concen: 369.100 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.0	37.6#
58	74.1	58.9	88.3

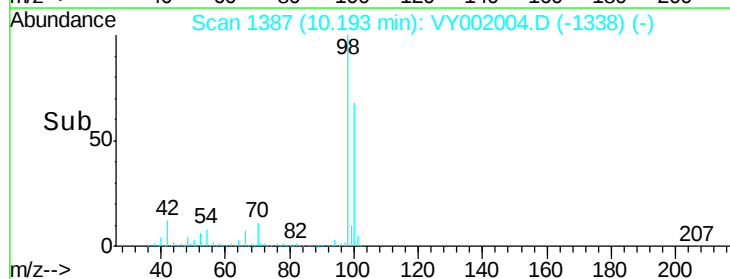
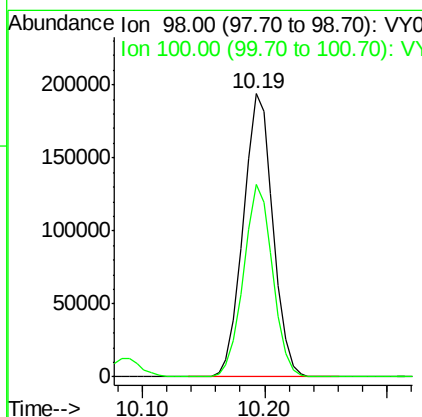
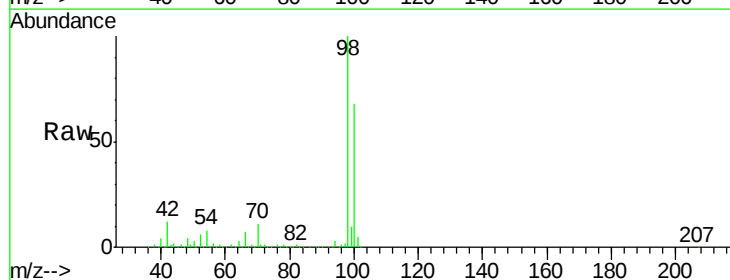
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#50
Toluene-d8
Concen: 50.460 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4





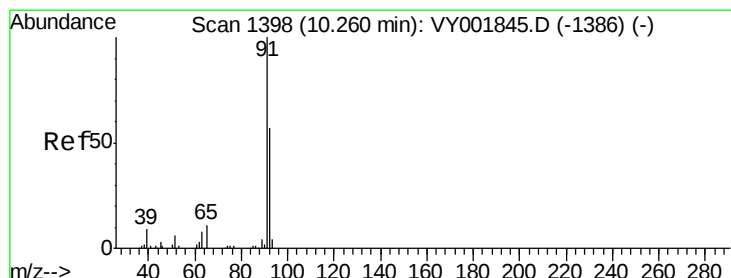
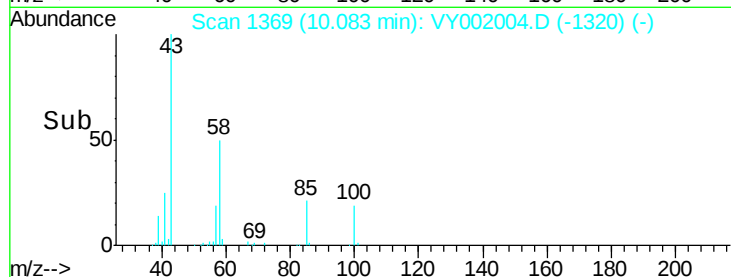
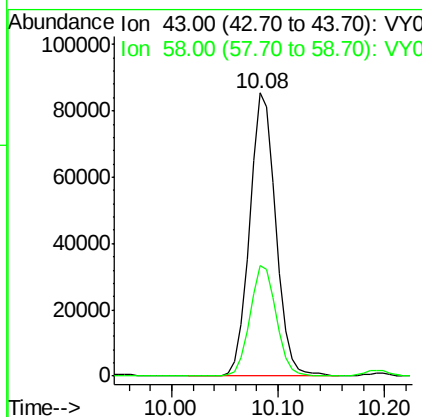
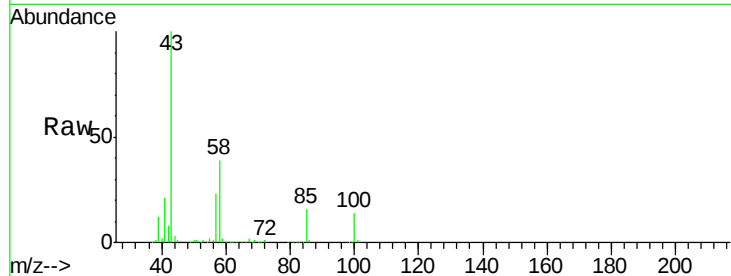
#51
4-Methyl-2-Pentanone
Concen: 96.268 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.0	48.0

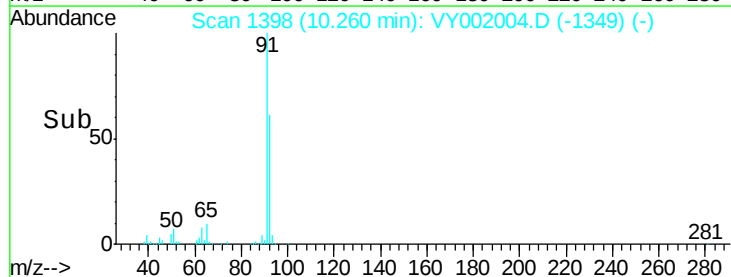
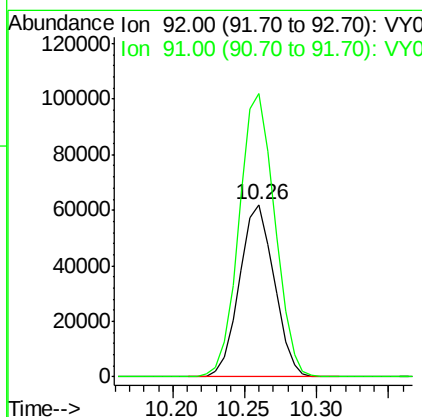
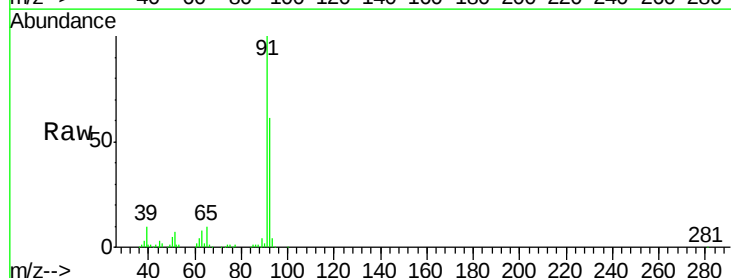
Manual Integrations
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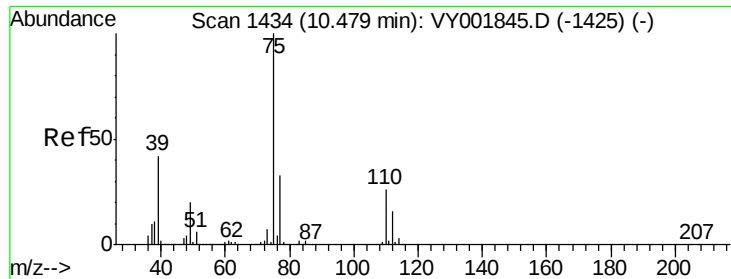
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#52
Toluene
Concen: 21.414 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.6	138.6	208.0





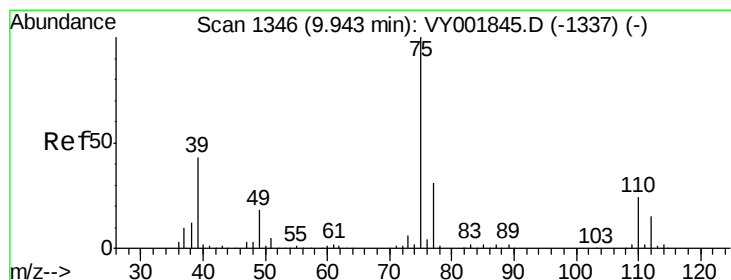
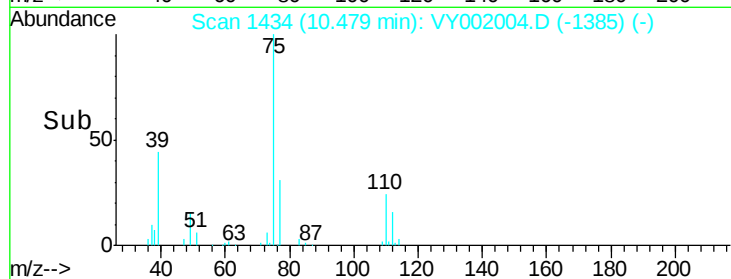
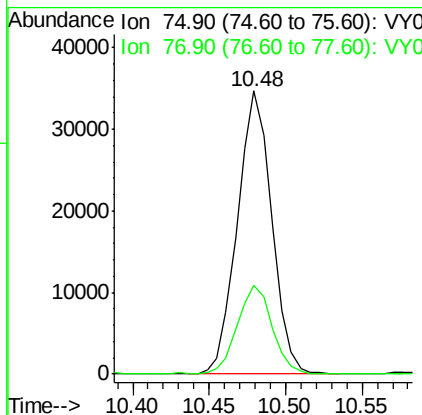
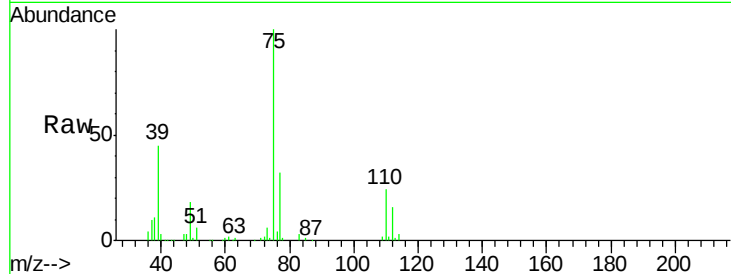
#53
t-1,3-Dichloropropene
Concen: 20.570 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.3	39.5

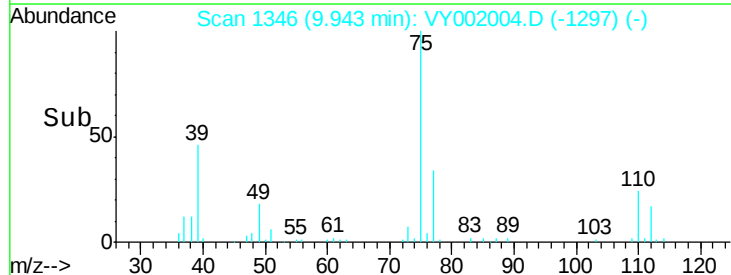
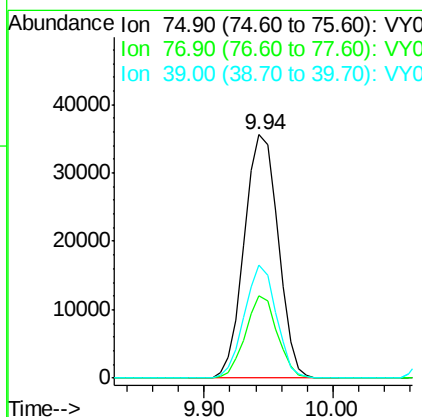
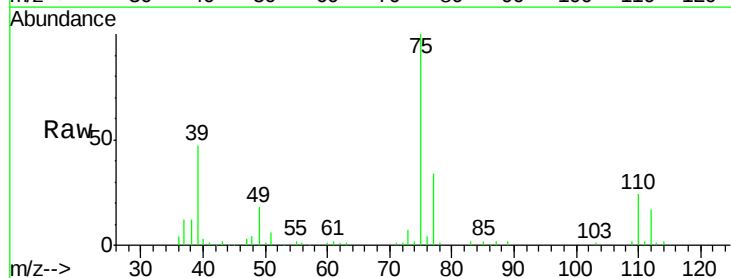
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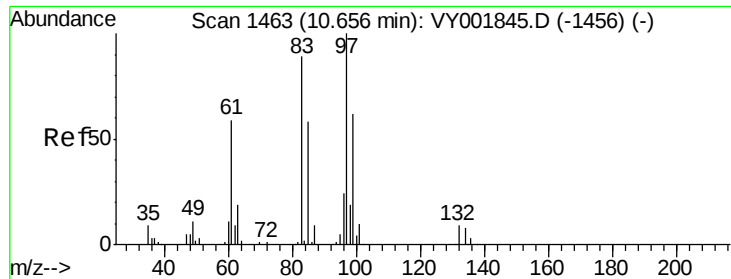
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.774 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.1	37.7
39	46.7	34.7	52.1





#55

1,1,2-Trichloroethane

Concen: 20.174 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 97 Resp: 30595

Ion Ratio Lower Upper

97 100

83 85.8 71.6 107.4

85 60.9 46.6 69.8

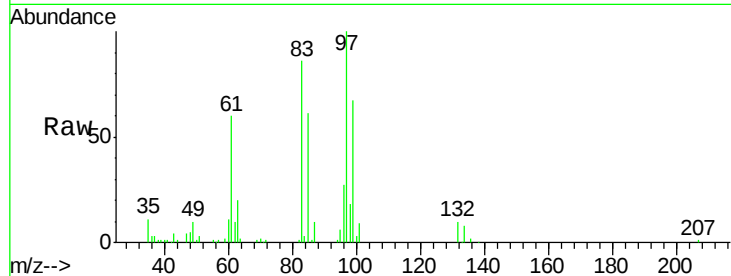
99 66.8 49.8 74.6

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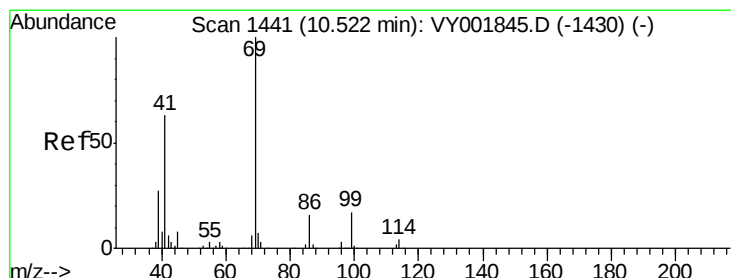
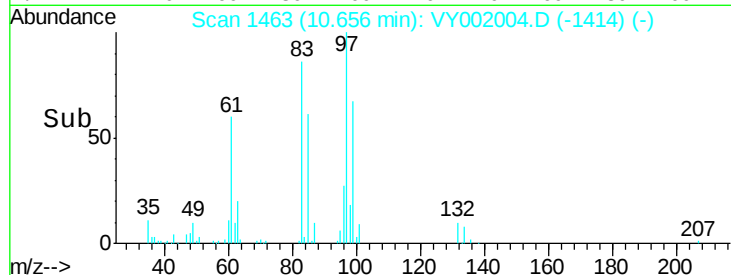
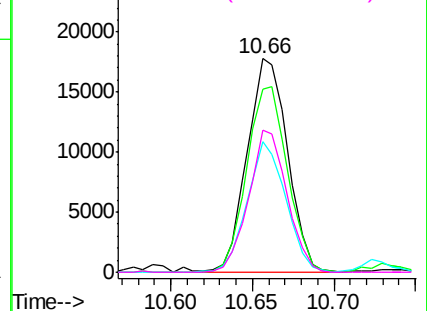


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 19.353 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

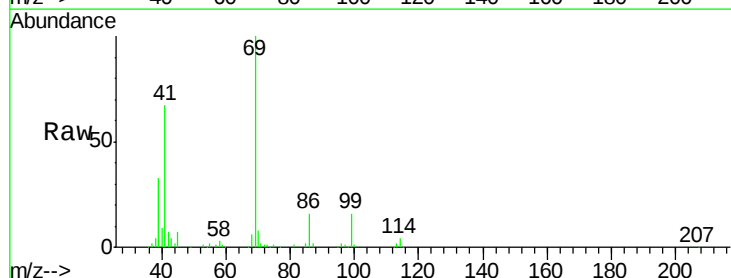
Tgt Ion: 69 Resp: 43019

Ion Ratio Lower Upper

69 100

41 64.4 49.9 74.9

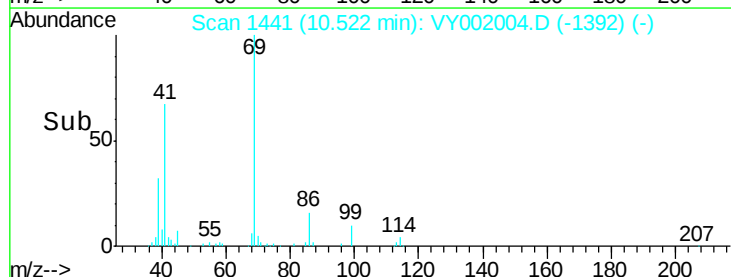
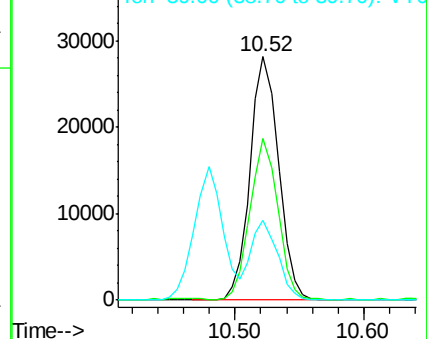
39 30.7 23.0 34.6



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 20.029 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 76 Resp: 54144

Ion Ratio Lower Upper

76 100

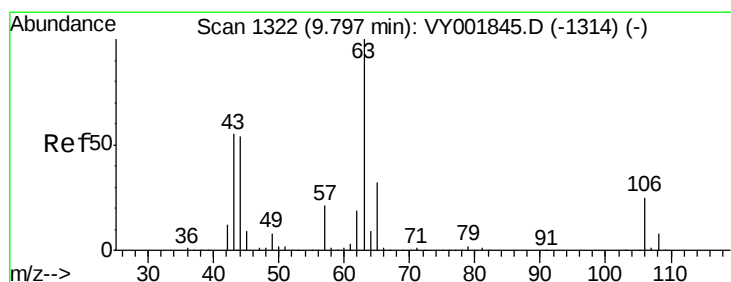
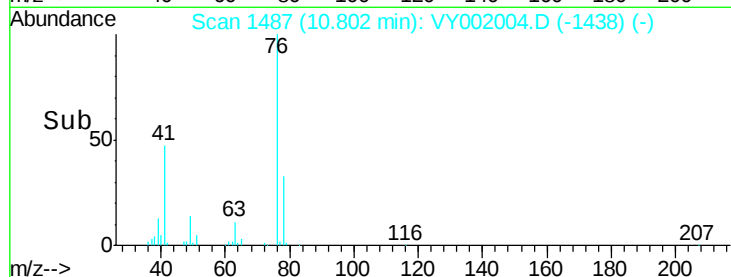
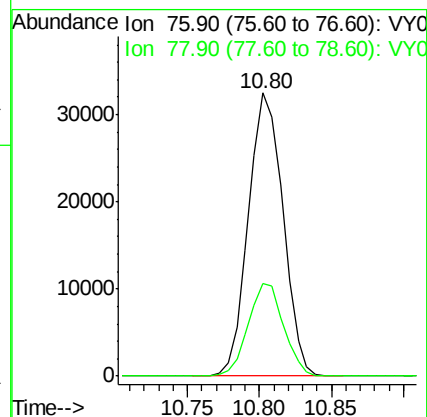
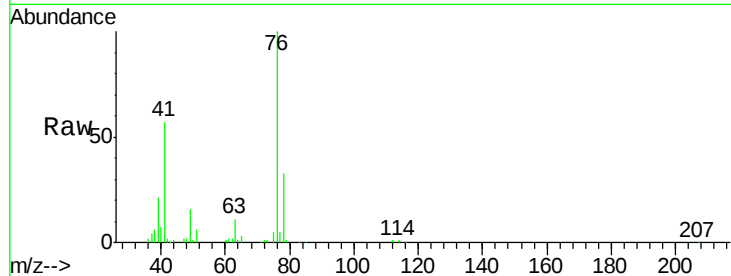
78 33.3 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 130.732 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VY002004.D

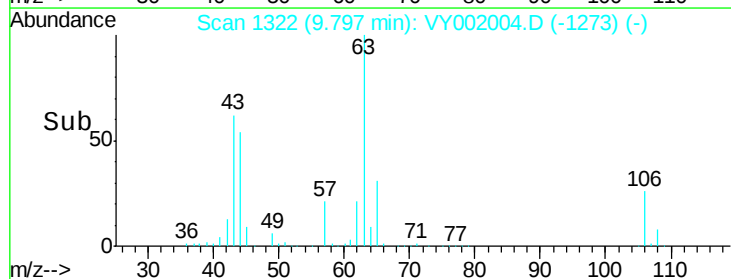
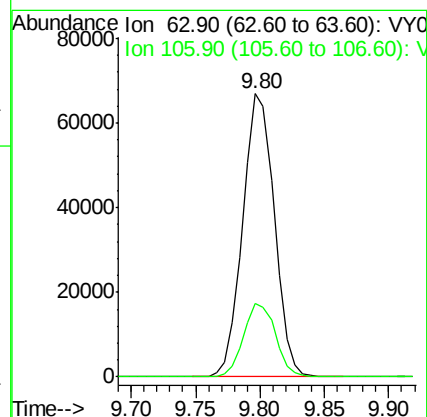
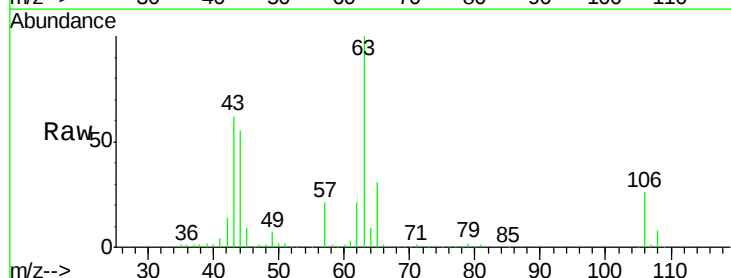
Acq: 18 Mar 2020 11:25

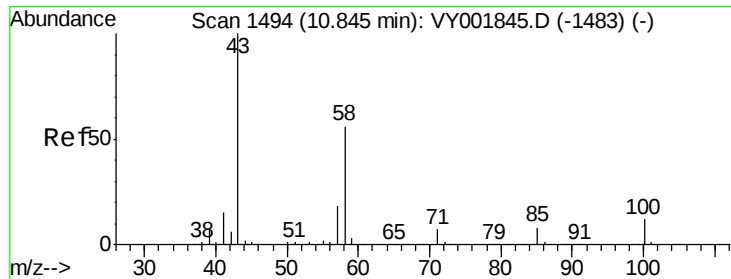
Tgt Ion: 63 Resp: 113506

Ion Ratio Lower Upper

63 100

106 26.2 21.3 31.9





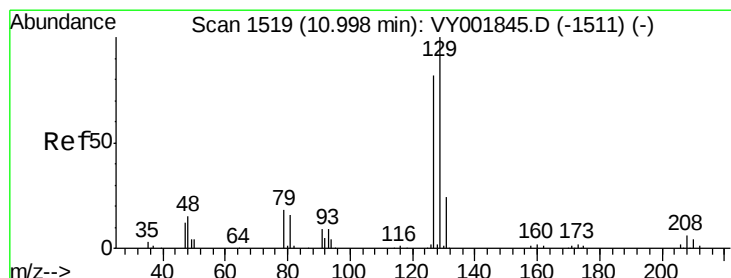
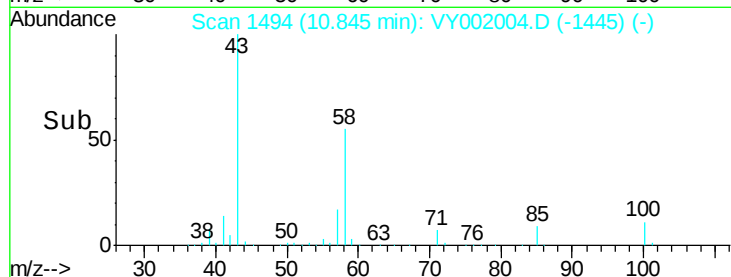
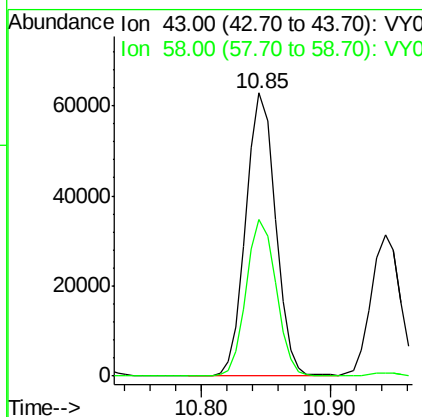
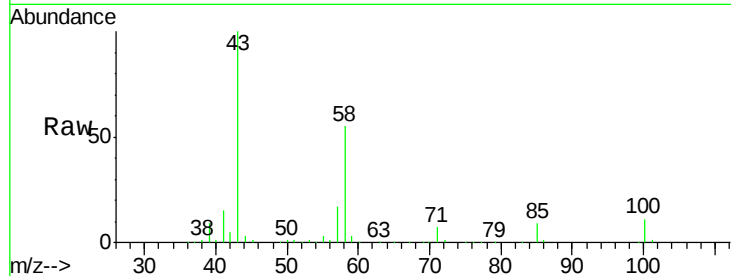
#59
2-Hexanone
Concen: 92.072 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 43 Resp: 100522
Ion Ratio Lower Upper
43 100
58 55.4 28.1 84.3

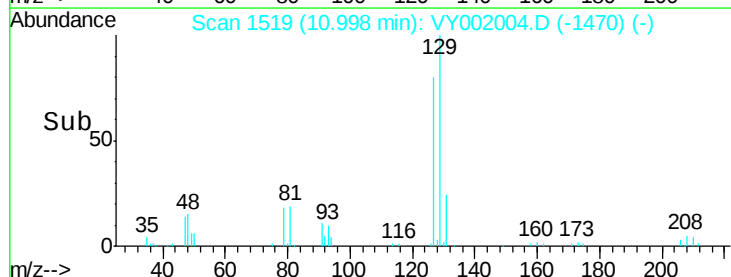
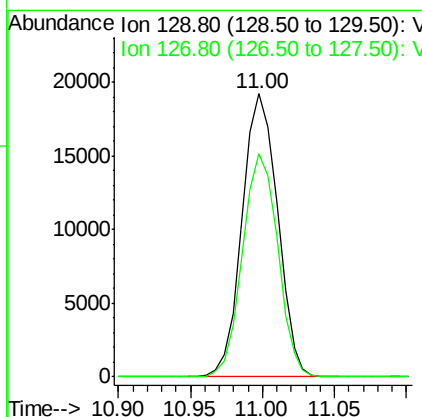
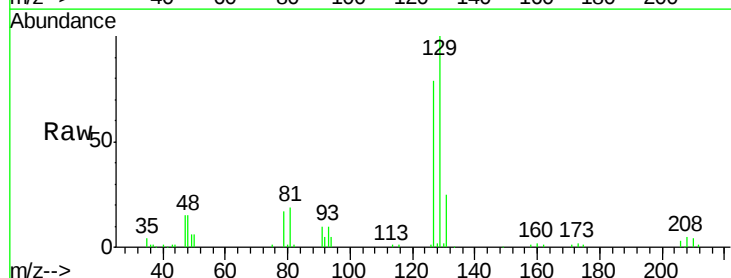
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#60
Dibromochloromethane
Concen: 20.507 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 129 Resp: 32771
Ion Ratio Lower Upper
129 100
127 78.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 20.042 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0318SBS01

Tot Ion: 107 Resp: 28791

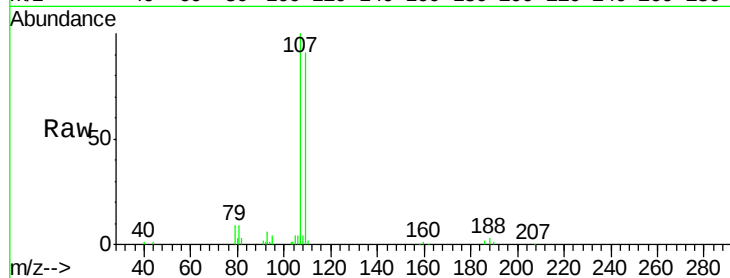
Ion Ratio Lower Upper

107 100

109 92.2 75.4 113.0

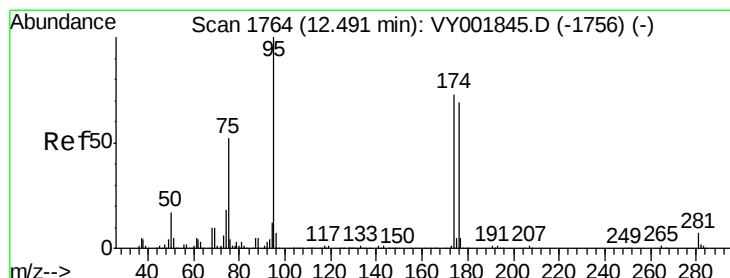
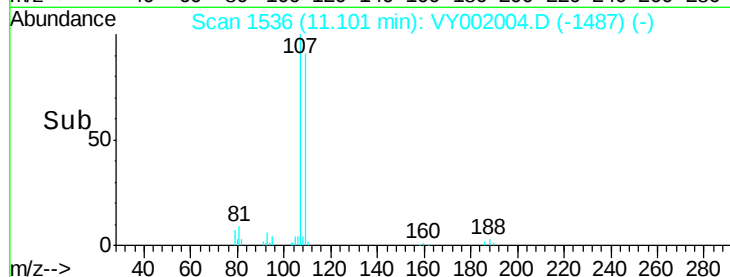
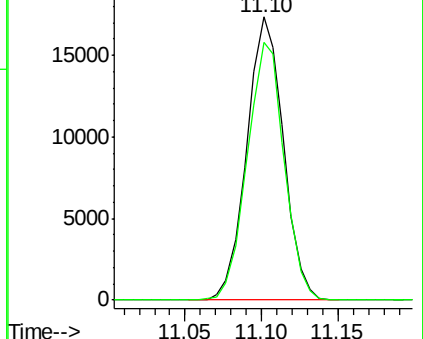
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.819 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

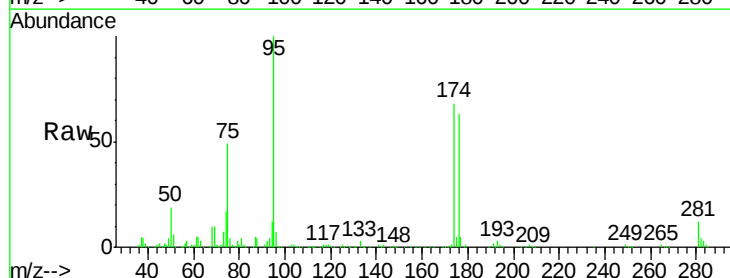
Tgt Ion: 95 Resp: 114111

Ion Ratio Lower Upper

95 100

174 72.8 0.0 145.0

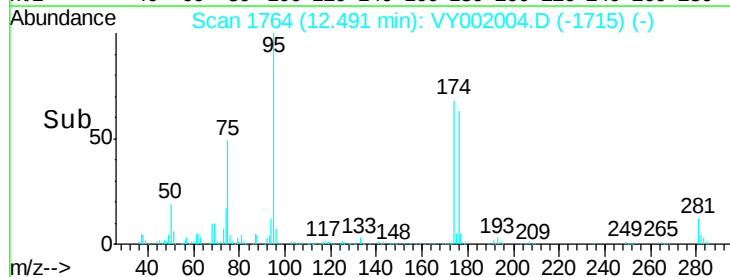
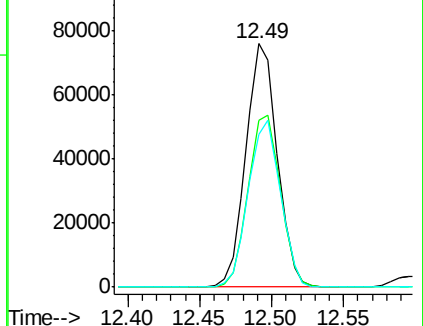
176 70.2 0.0 137.4

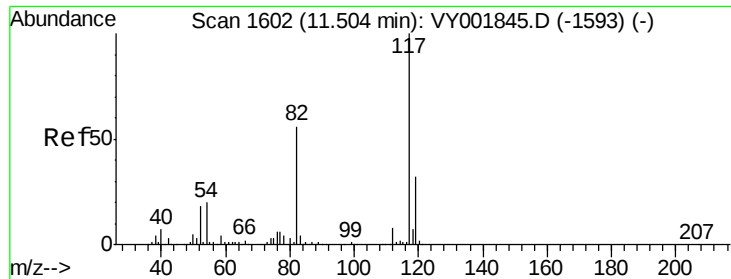


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





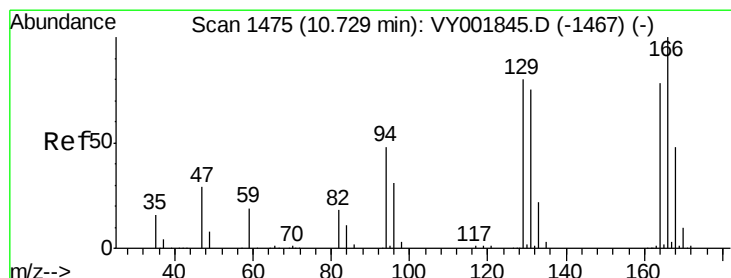
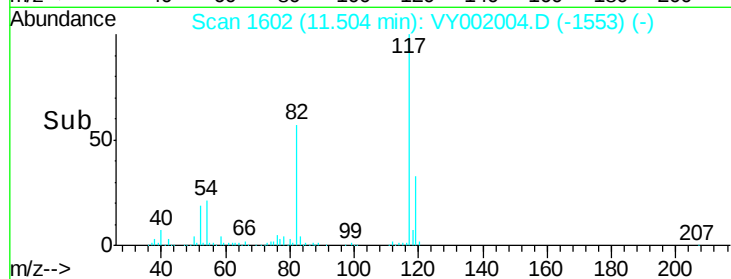
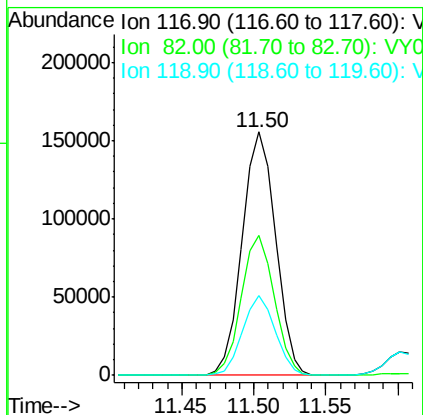
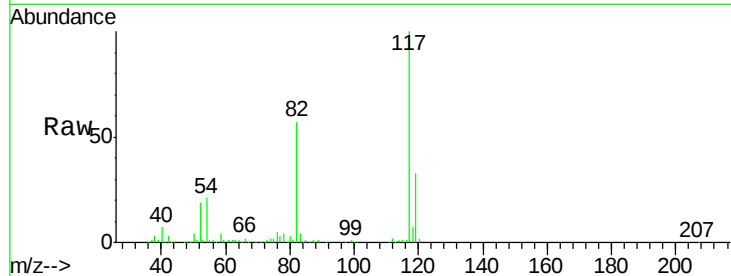
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250407		
82	57.4		44.5	66.7
119	32.7		25.7	38.5

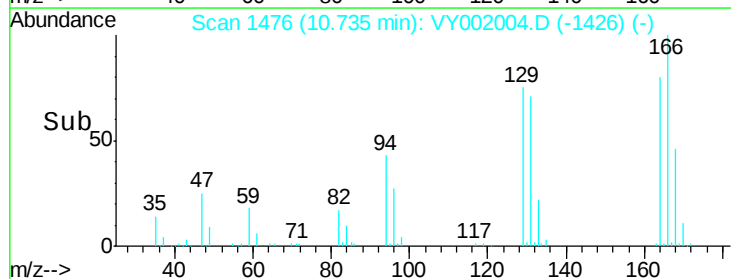
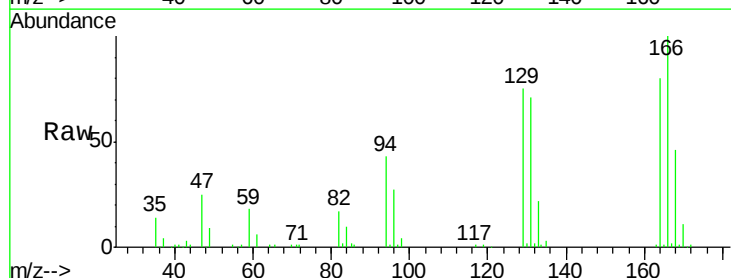
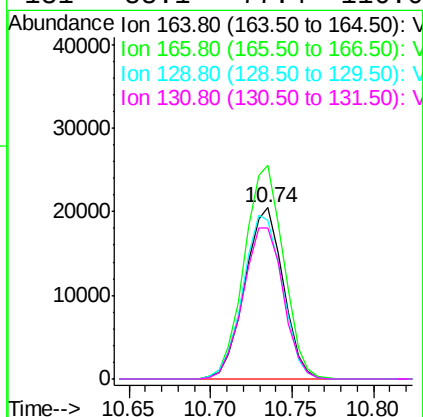
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.427 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33648		
166	124.6		102.6	154.0
129	93.0		82.3	123.5
131	88.1		77.4	116.0





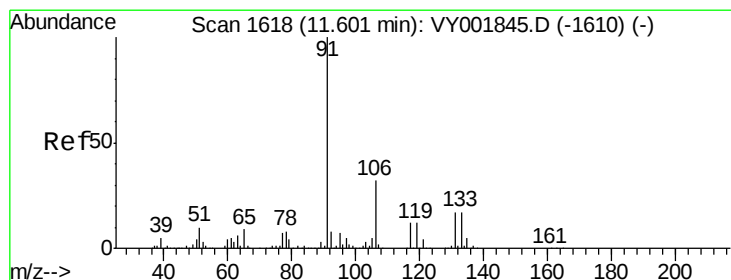
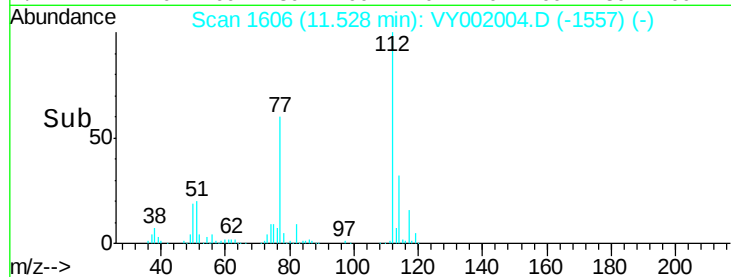
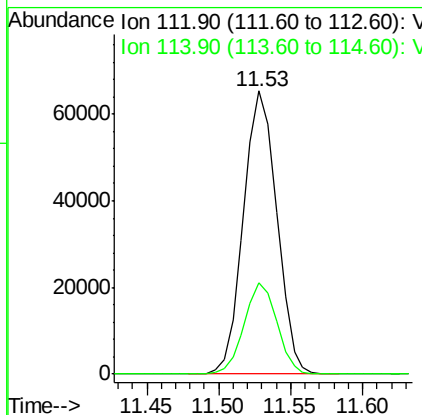
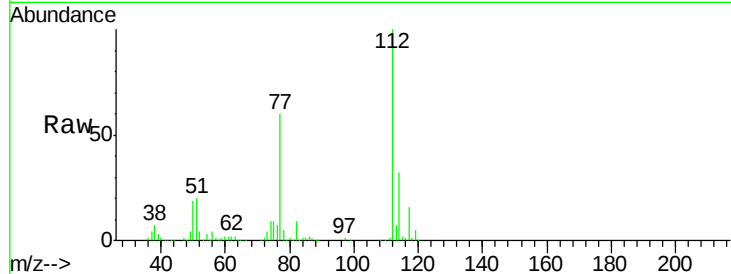
#65
Chlorobenzene
Concen: 20.950 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	104531		
114	32.3	25.9	38.9	

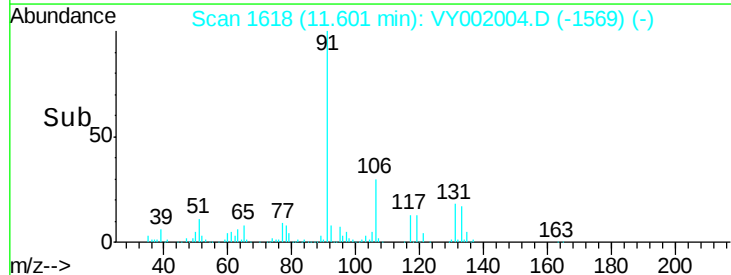
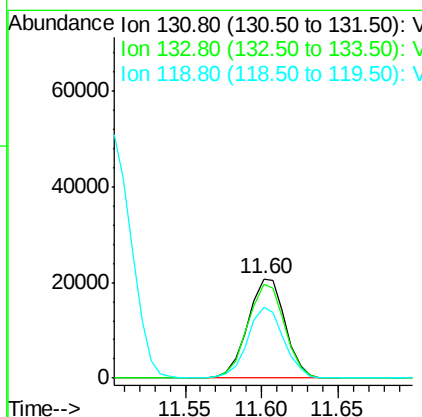
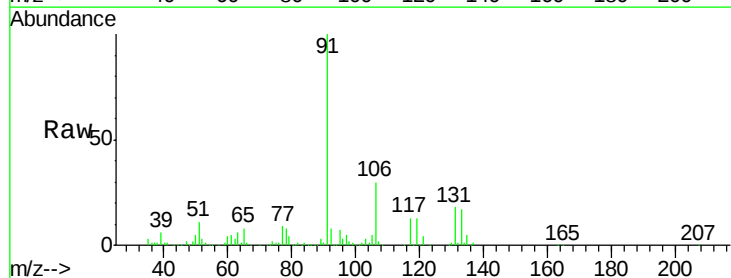
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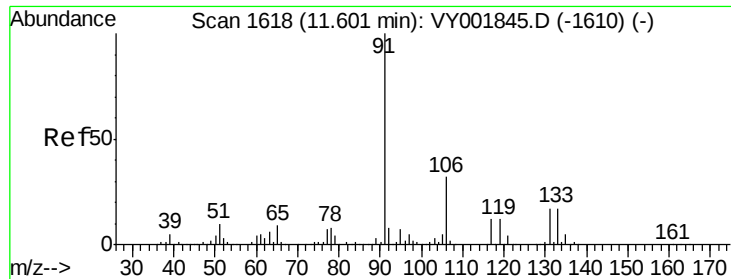
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.544 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	35250		
133	93.8	47.1	141.3	
119	69.2	34.5	103.6	





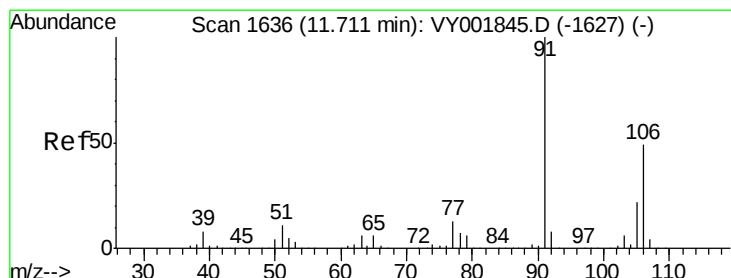
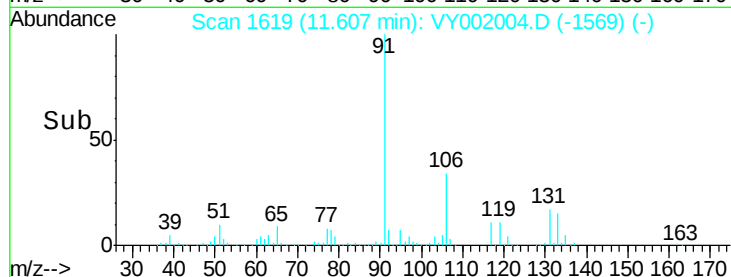
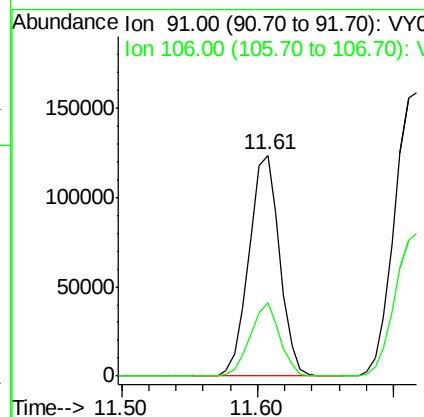
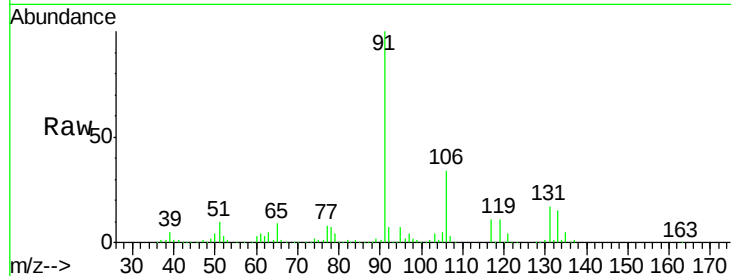
#67
Ethyl Benzene
Concen: 20.934 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion: 91 Resp: 194796
Ion Ratio Lower Upper
91 100
106 33.6 25.4 38.2

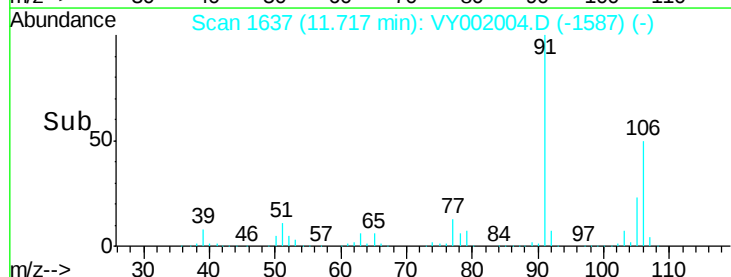
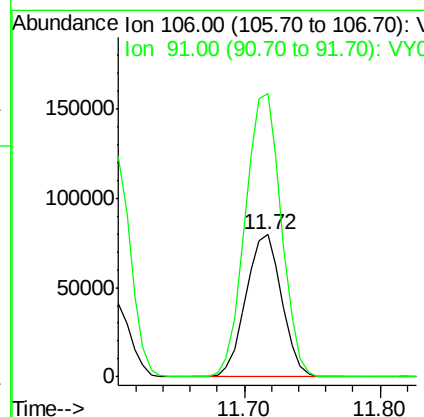
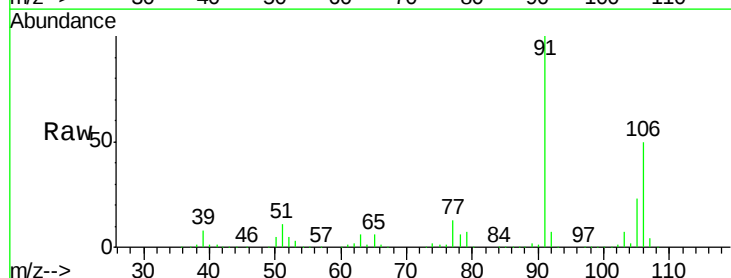
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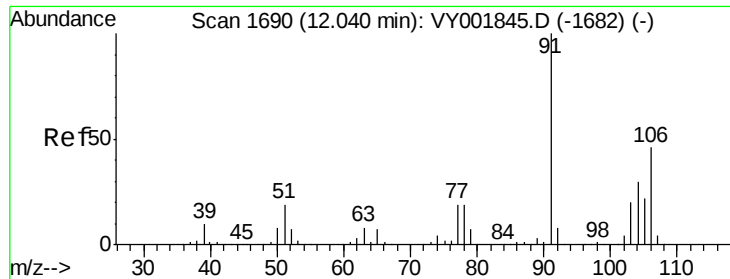
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#68
m/p-Xylenes
Concen: 42.578 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion: 106 Resp: 146481
Ion Ratio Lower Upper
106 100
91 200.3 161.3 241.9





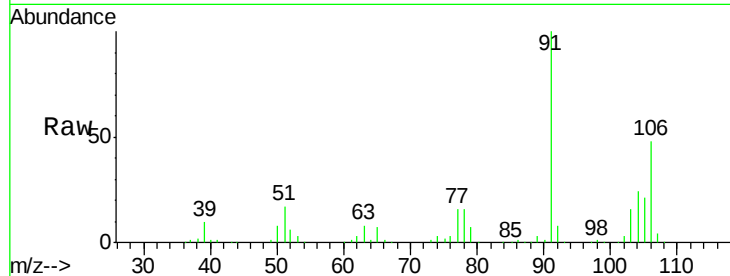
#69
o-Xylene
Concen: 21.733 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

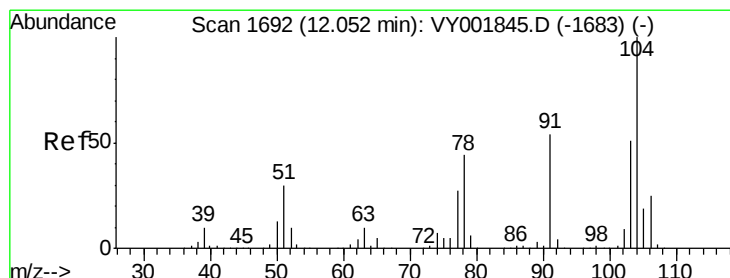
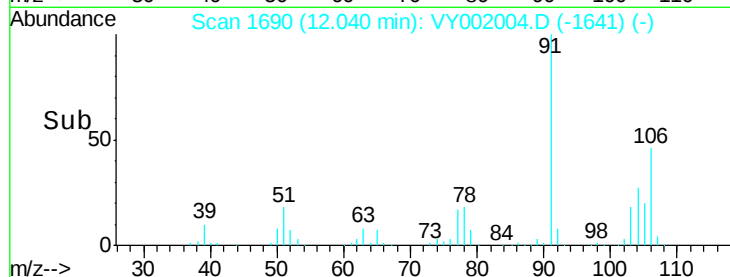
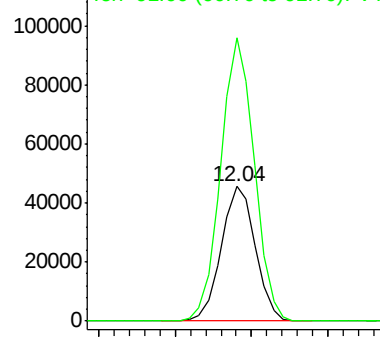
Tot Ion:106 Resp: 70472
Ion Ratio Lower Upper
106 100
91 207.4 106.8 320.4

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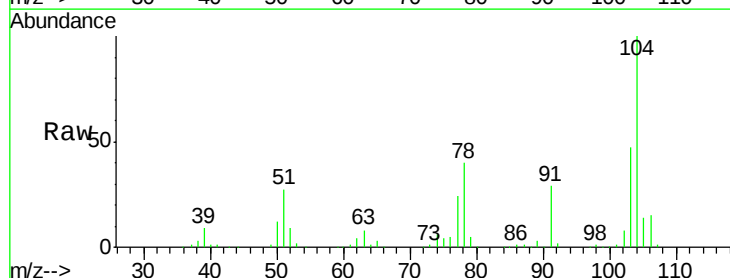


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

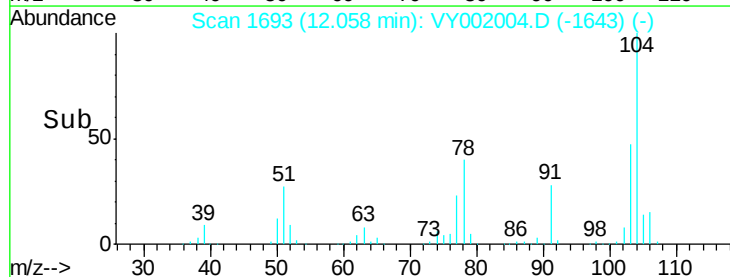
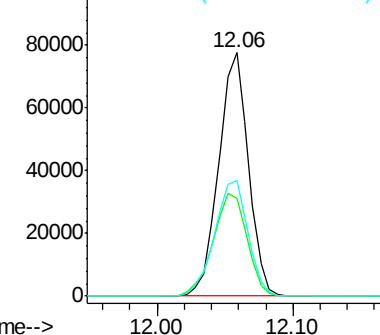


#70
Styrene
Concen: 21.414 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion:104 Resp: 118922
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 53.2 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





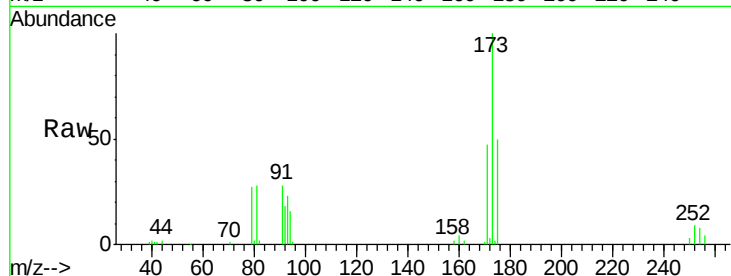
#71
Bromoform
Concen: 20.560 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

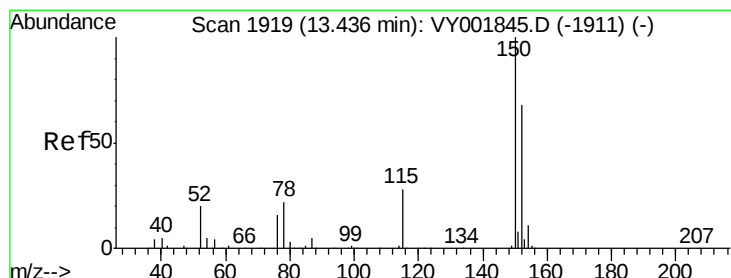
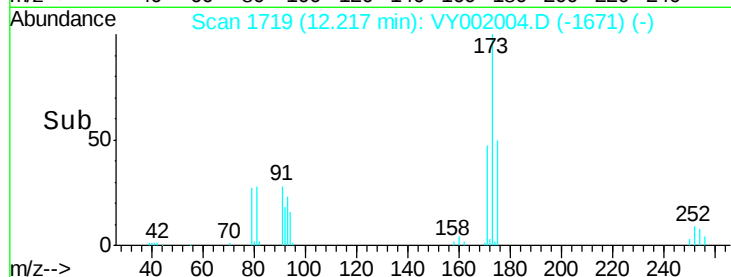
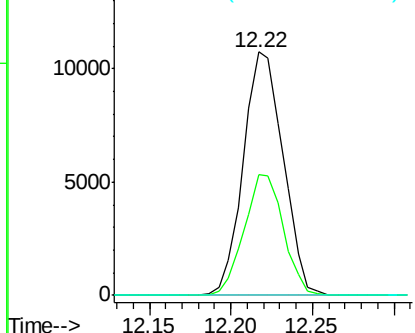
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

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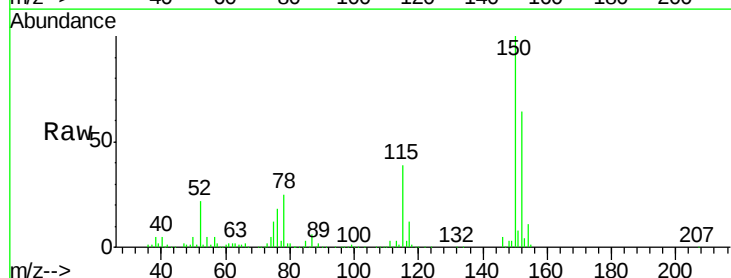


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

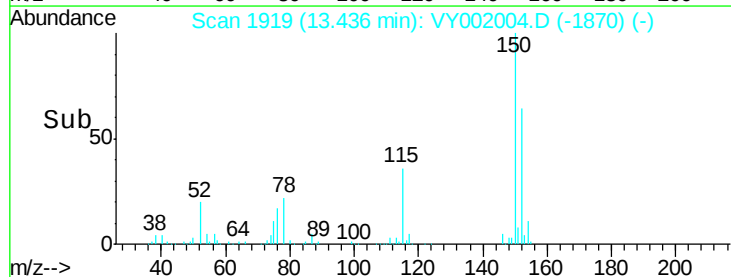
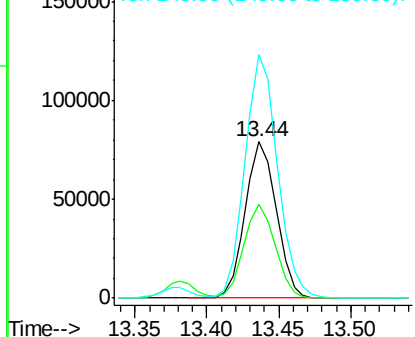


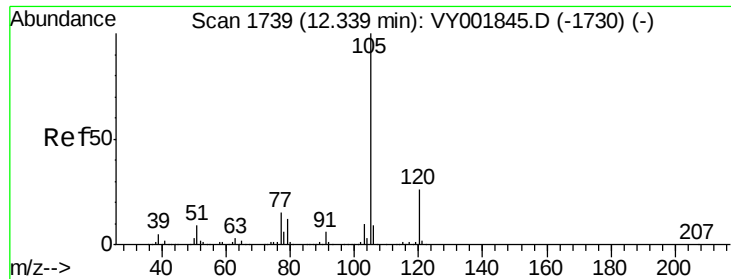
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.9	89.7
150	162.7	0.0	340.6



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





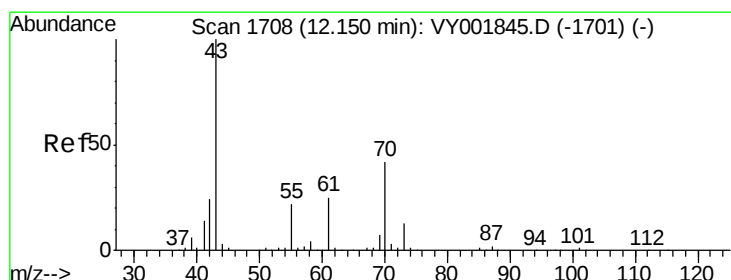
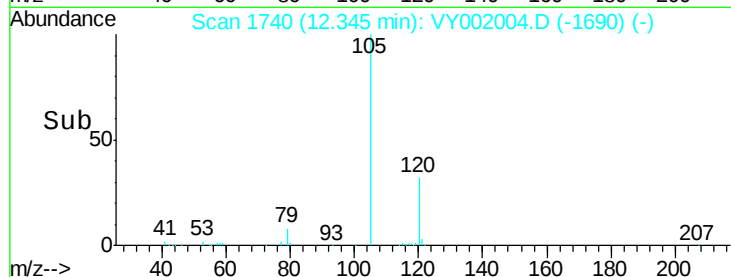
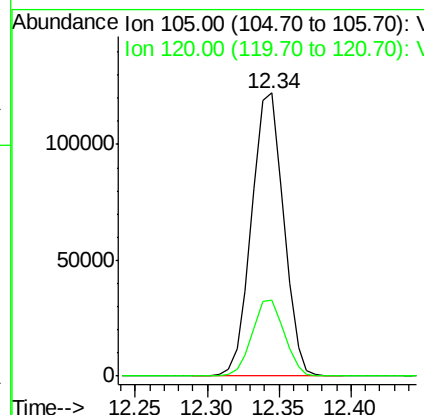
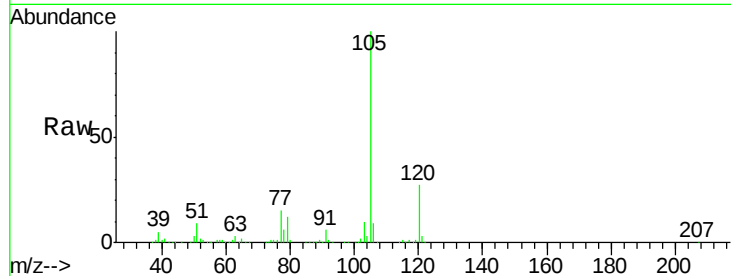
#73
Isopropylbenzene
Concen: 20.702 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.1	39.3

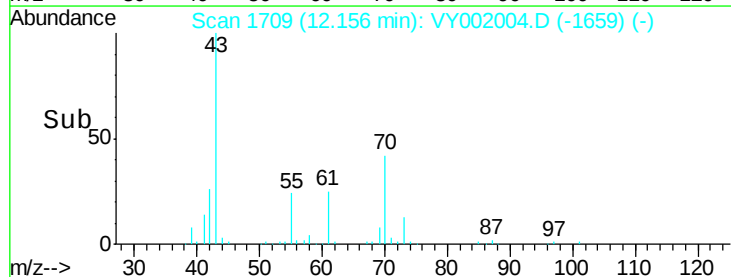
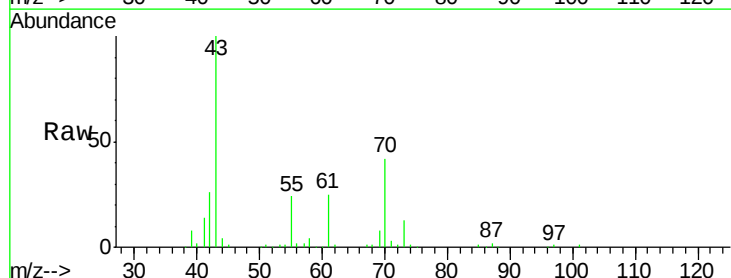
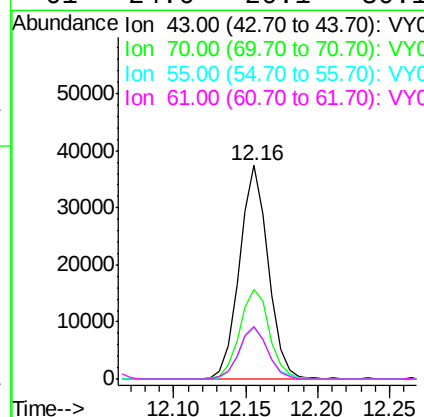
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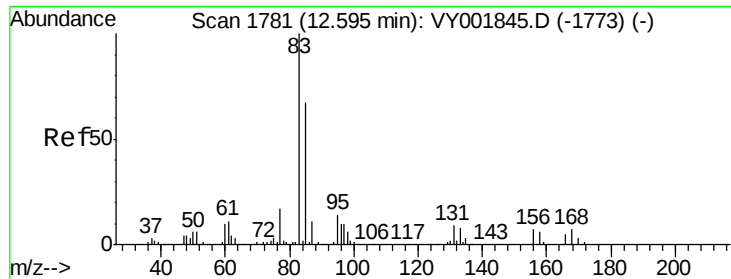
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#74
N-ethyl acetate
Concen: 18.667 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	34.7	52.1
55	24.4	18.2	27.4
61	24.6	20.1	30.1





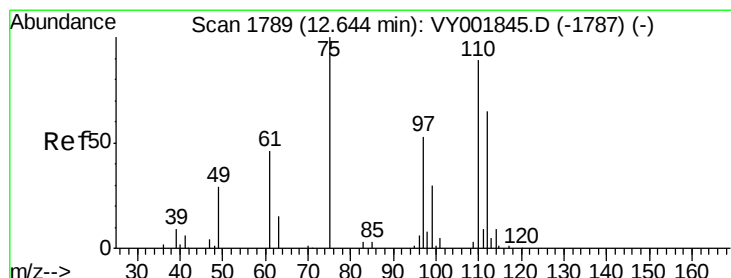
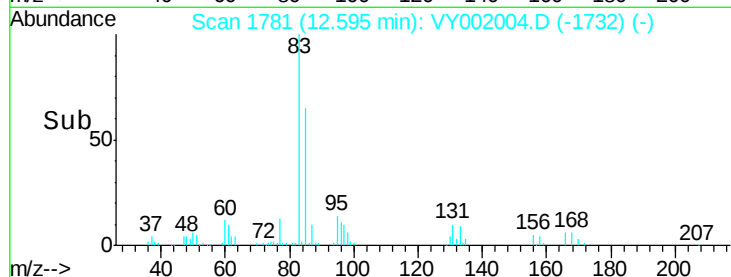
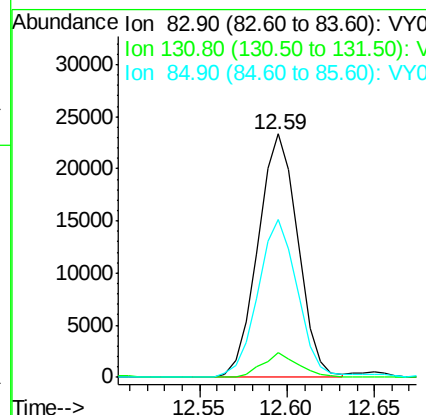
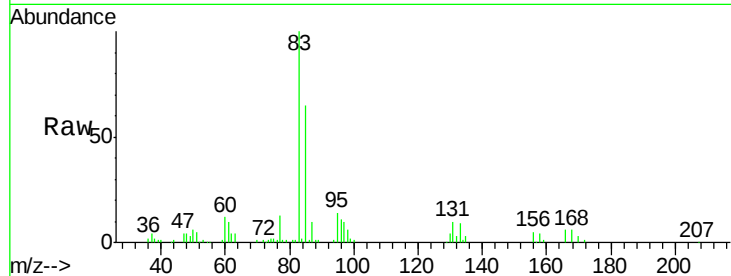
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.977 ug/l
 RT: 12.59 min Scan# 1781
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.6	13.8
85	64.3	32.1	96.3

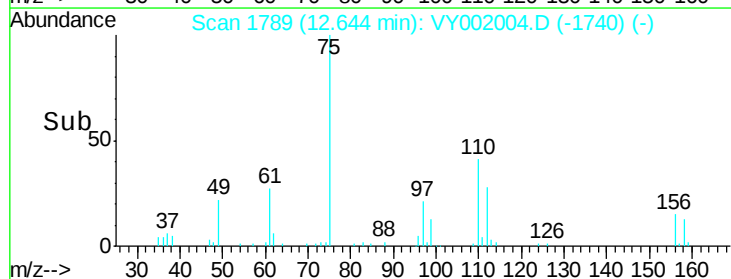
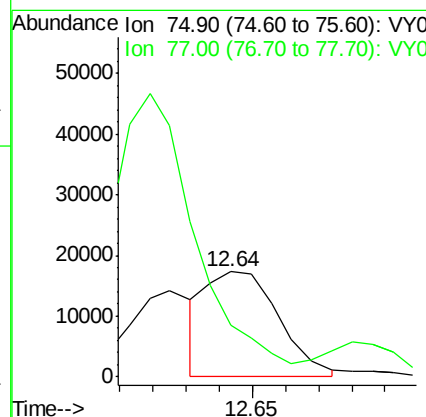
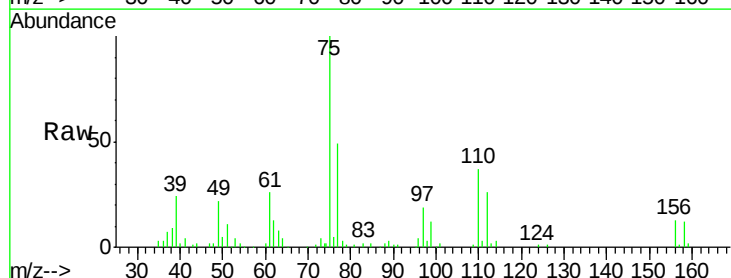
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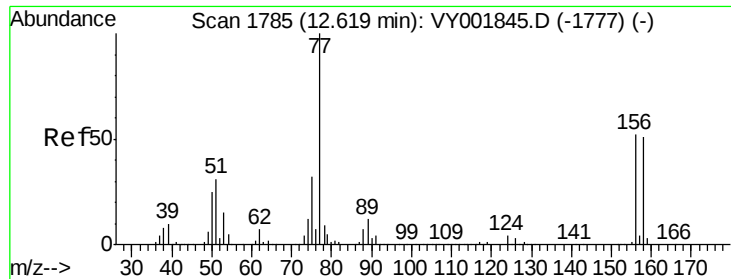
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 3/19/2020 11:59:34 AM



#76
 1,2,3-Trichloropropane
 Concen: 18.573 ug/l m
 RT: 12.64 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.558 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

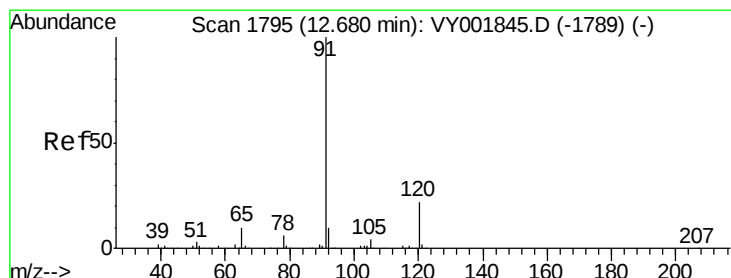
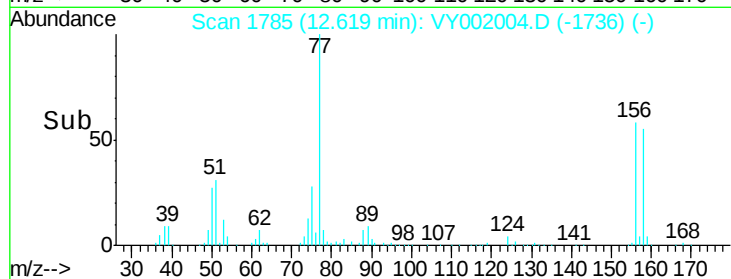
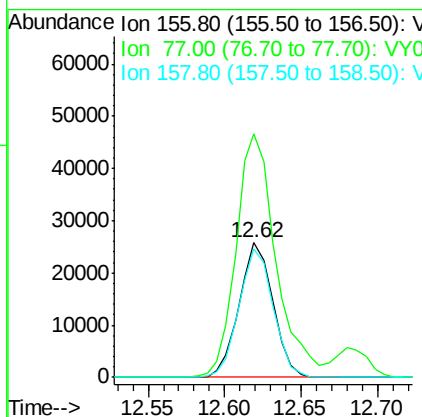
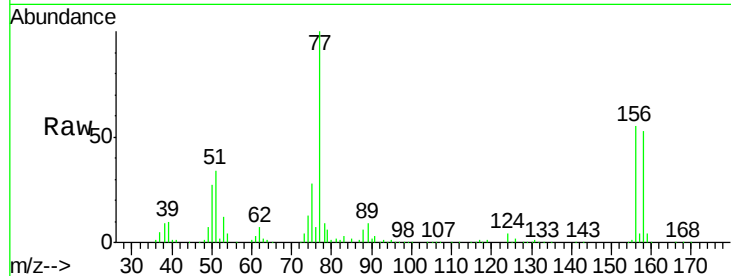
ClientSampleId :

VY0318SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.1	109.0	327.0
158	96.3	48.9	146.8

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#78

n-propylbenzene

Concen: 20.725 ug/l

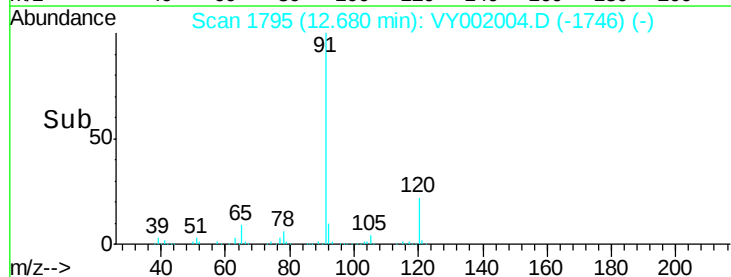
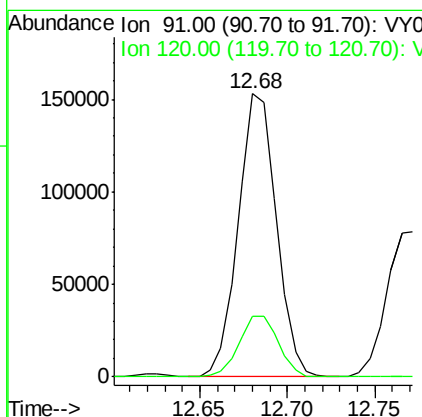
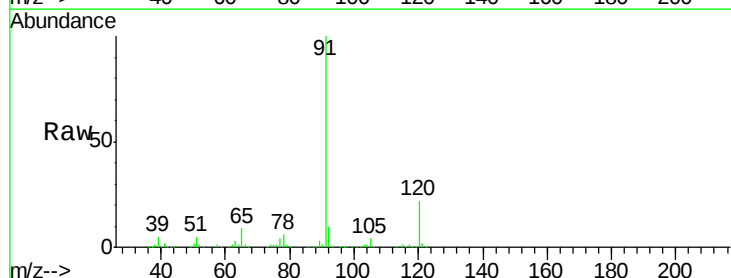
RT: 12.68 min Scan# 1795

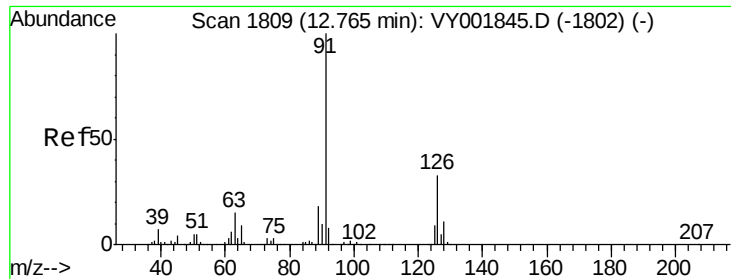
Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





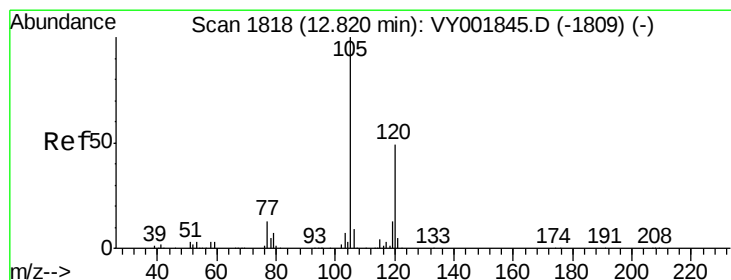
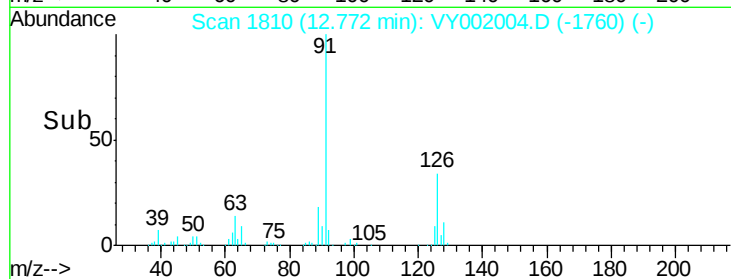
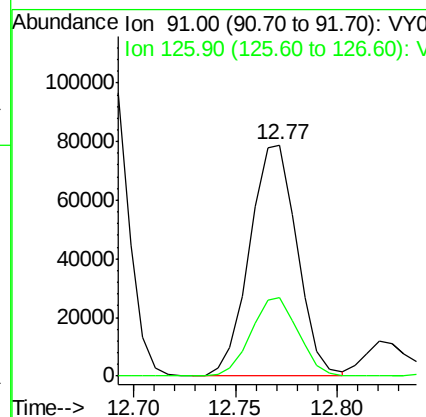
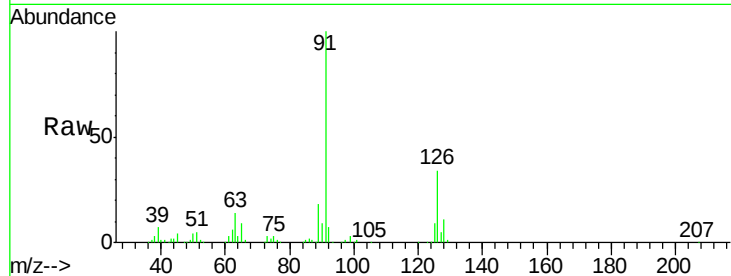
#79
 2-Chlorotoluene
 Concen: 20.596 ug/l
 RT: 12.77 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		127163		
126	33.8		16.3	48.8	

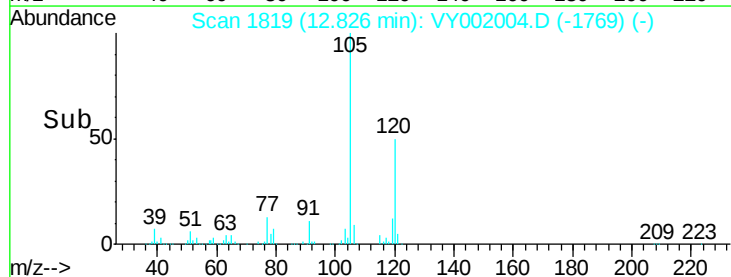
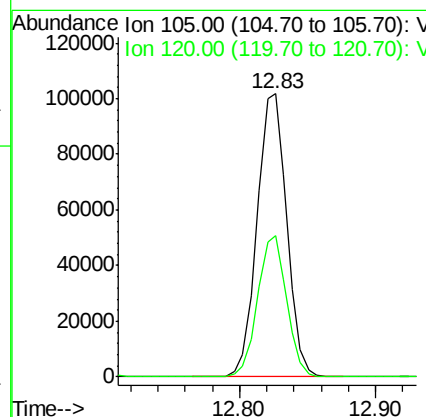
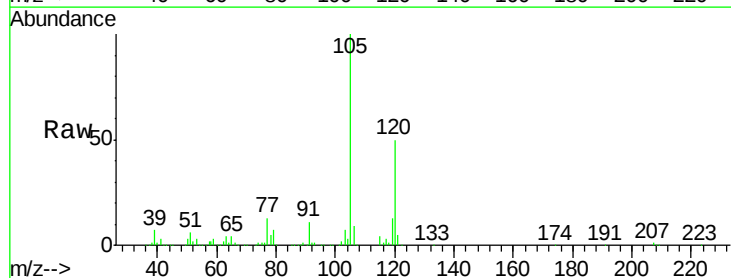
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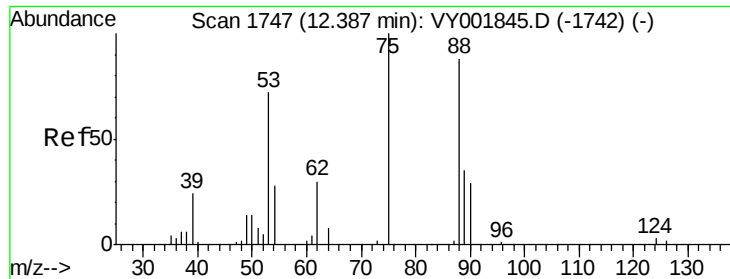
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.870 ug/l
 RT: 12.83 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		155634		
120	48.9		24.4	73.2	





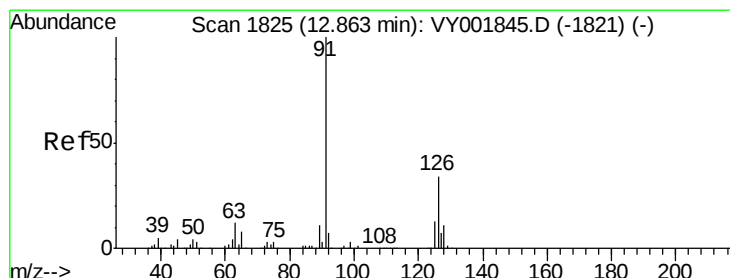
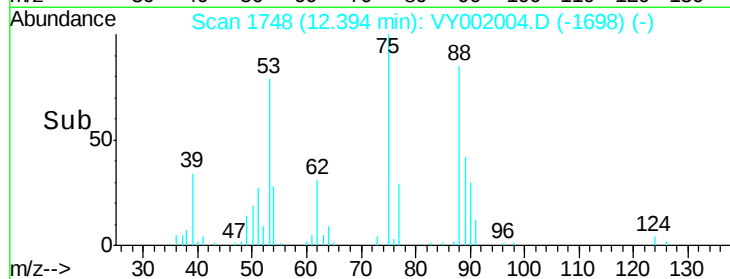
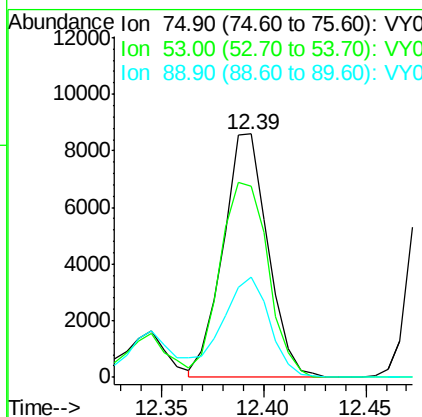
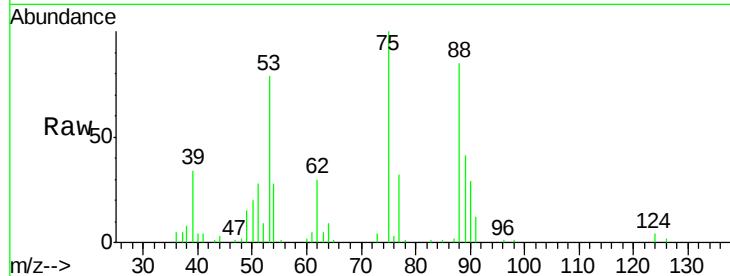
#81
trans-1,4-Dichloro-2-butene
Concen: 18.835 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.7	65.4	98.0
89	43.8	36.0	54.0

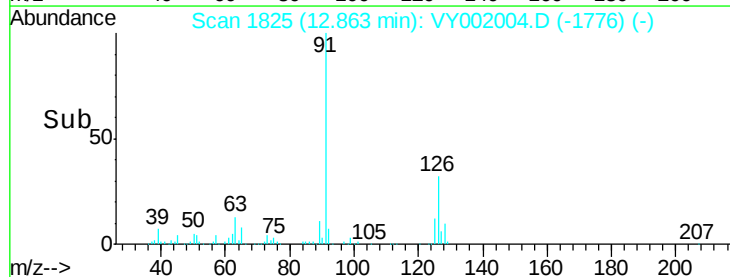
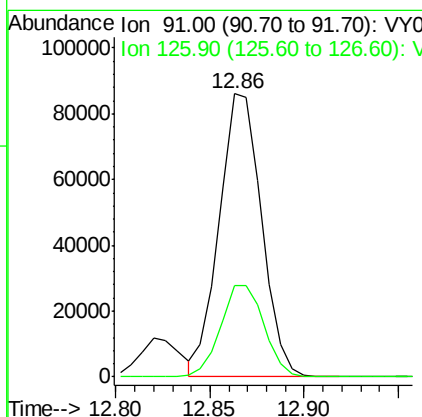
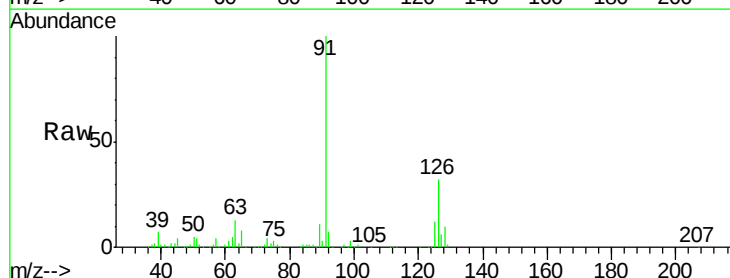
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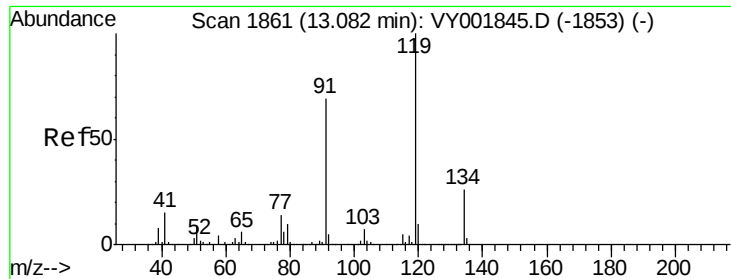
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.840 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





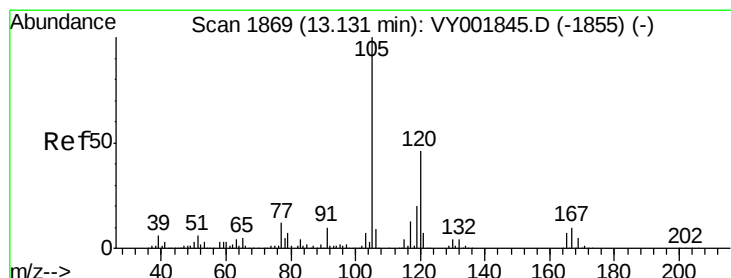
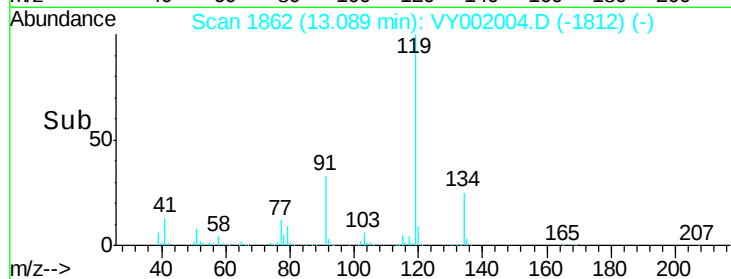
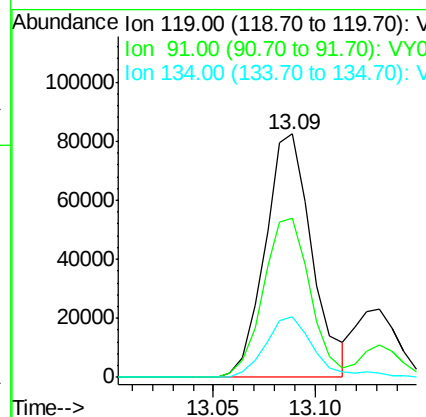
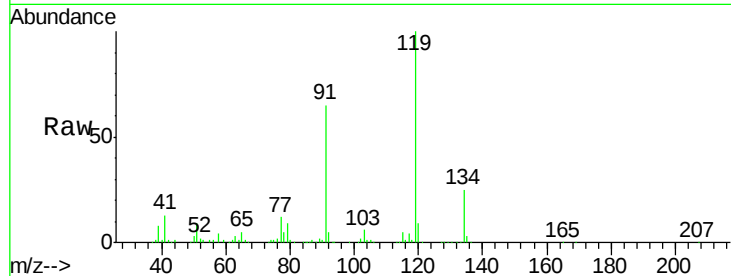
#83
tert-Butylbenzene
Concen: 21.301 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	131932		
91	65.3	34.0	101.8	
134	26.1	13.5	40.4	

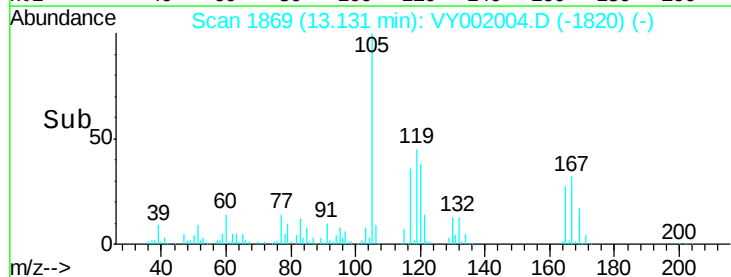
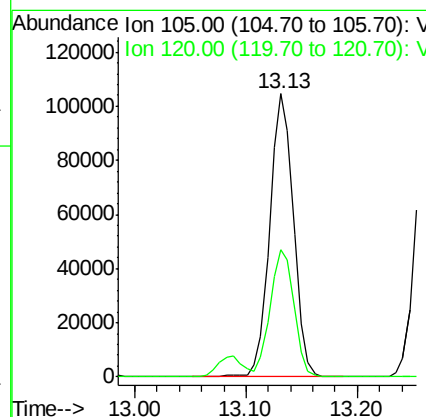
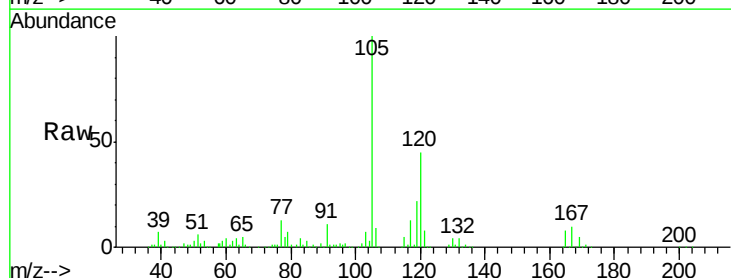
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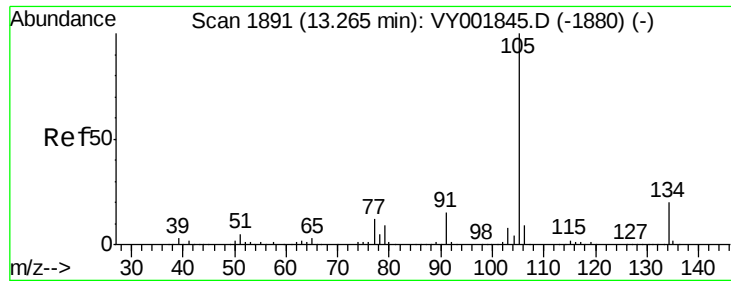
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#84
1,2,4-Trimethylbenzene
Concen: 21.039 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	155698		
120	45.1	22.6	67.7	





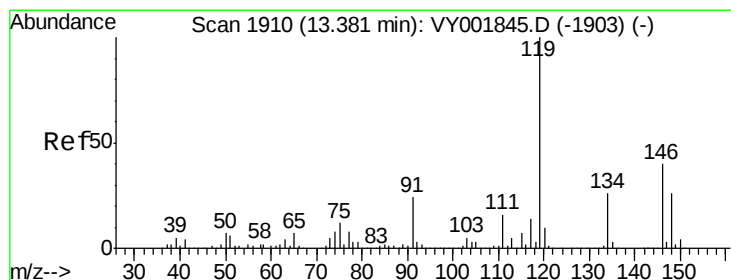
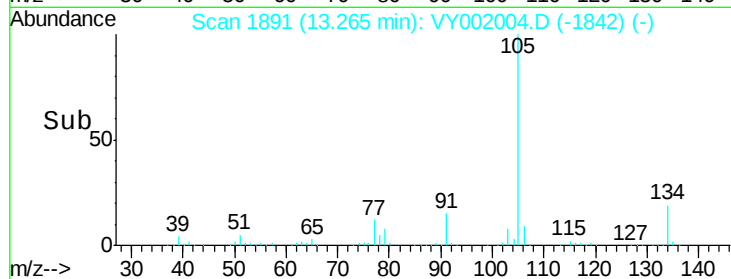
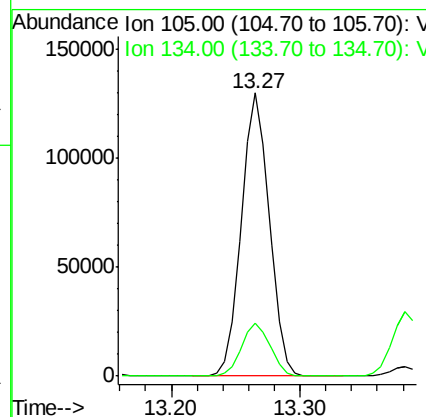
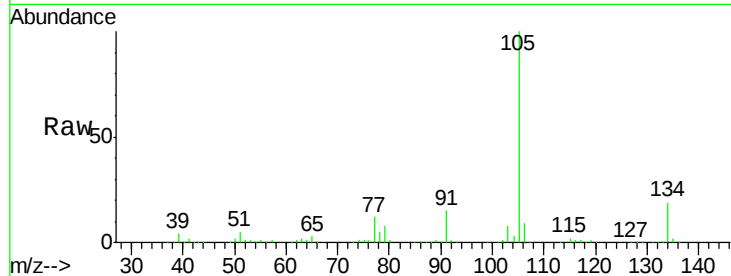
#85
 sec-Butylbenzene
 Concen: 21.334 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

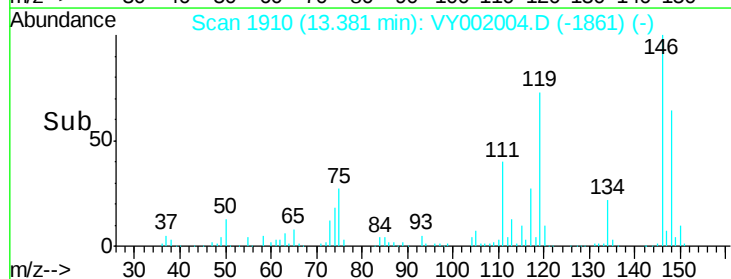
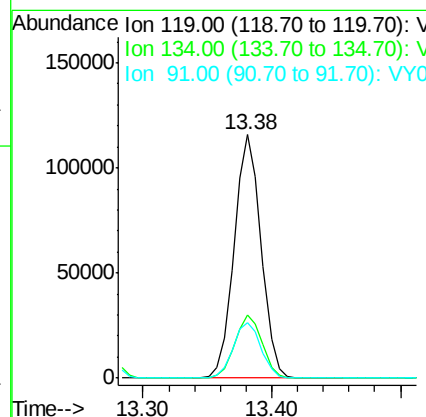
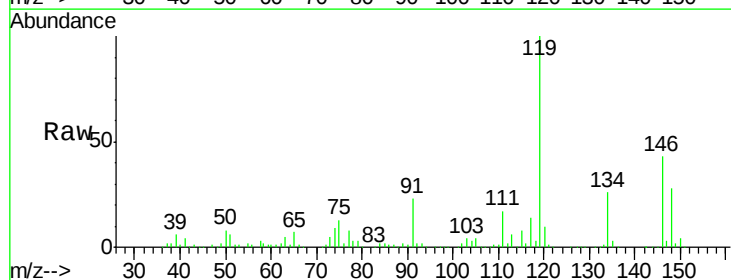
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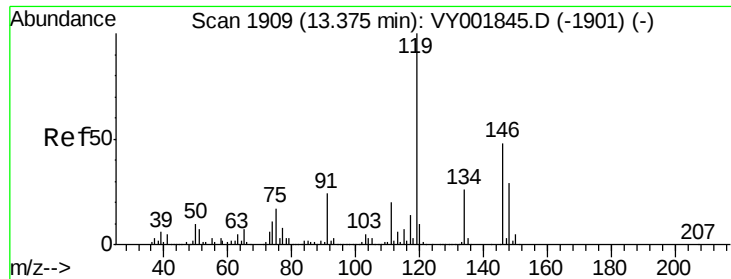
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#86
 p-Isopropyltoluene
 Concen: 21.401 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	23.5	11.9	35.7





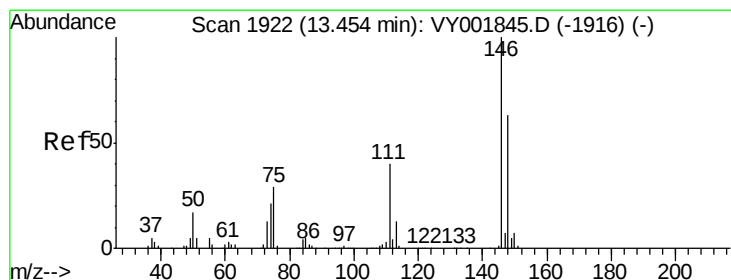
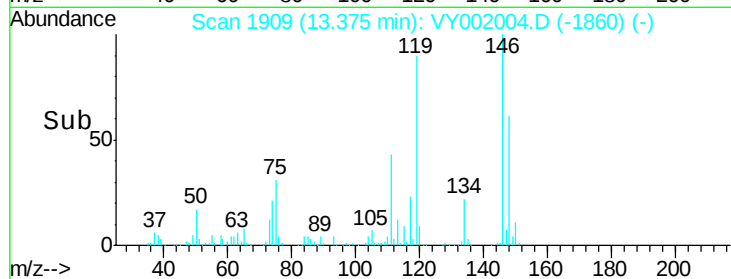
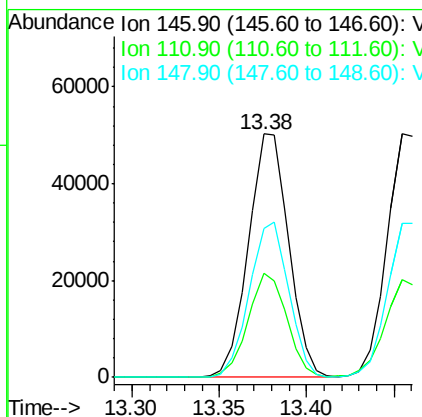
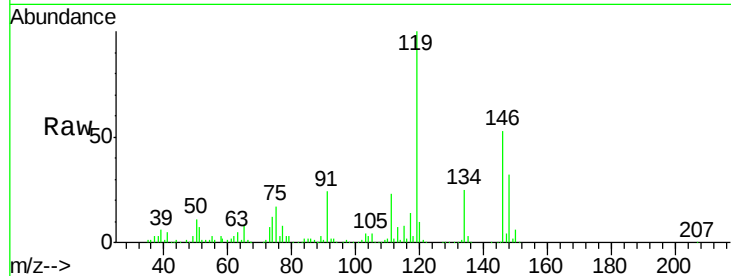
#87
 1,3-Dichlorobenzene
 Concen: 21.367 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.5
148	62.4	31.4	94.0

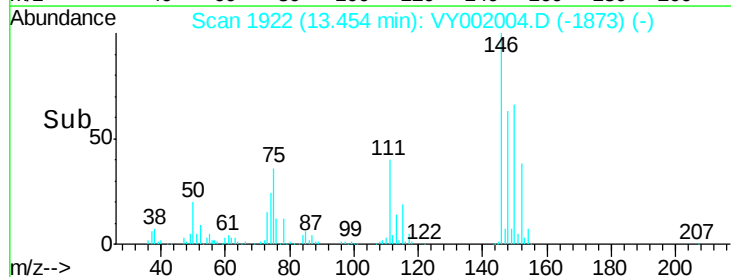
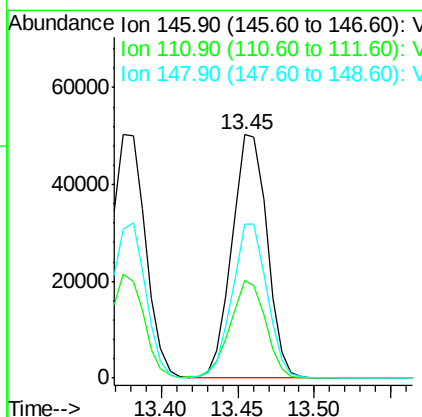
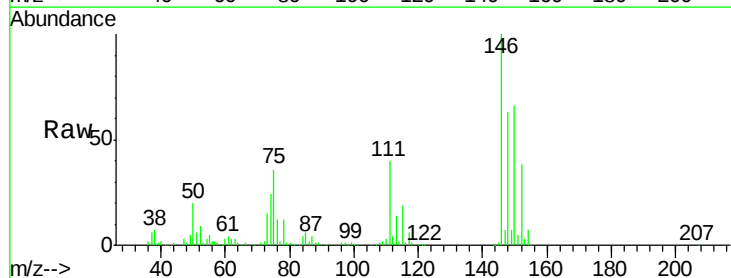
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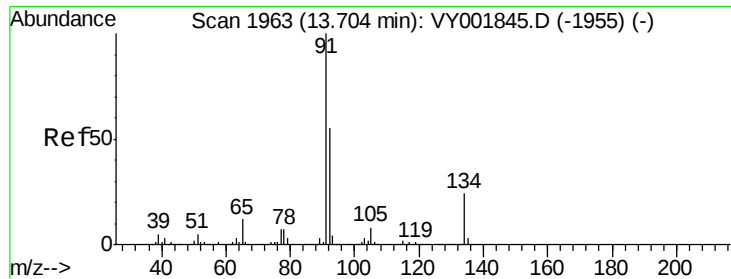
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#88
 1,4-Dichlorobenzene
 Concen: 21.024 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	62.8	31.5	94.5





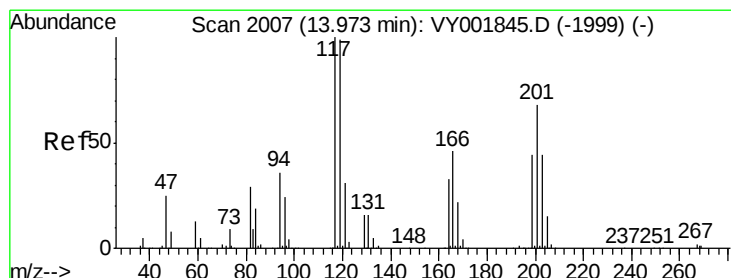
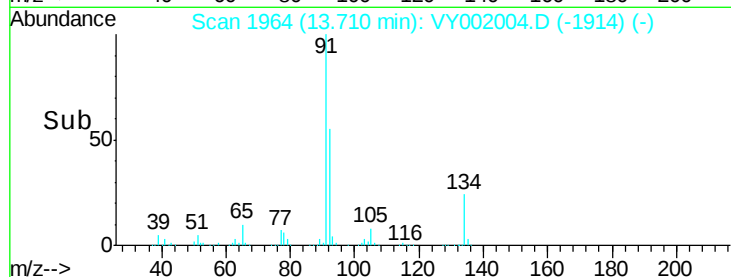
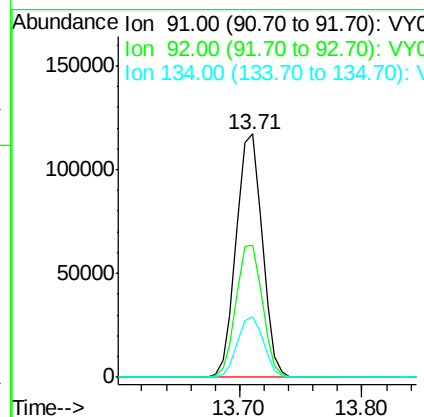
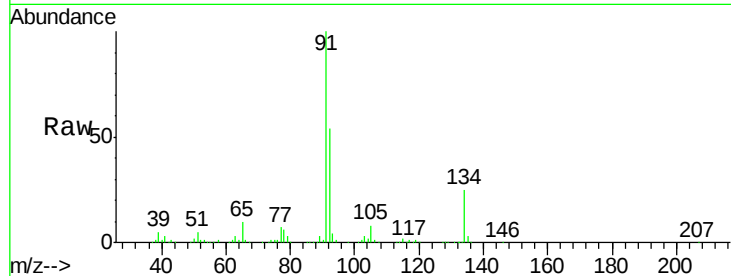
#89
n-Butylbenzene
Concen: 21.049 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0318SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	25.1	12.5	37.5

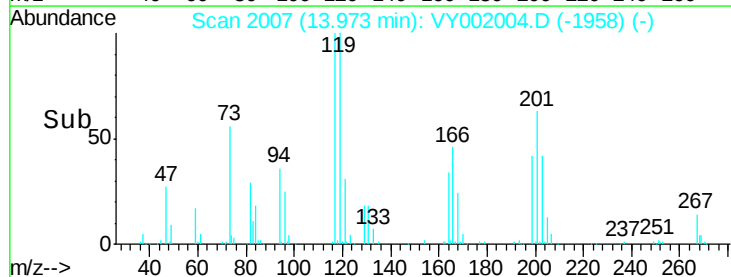
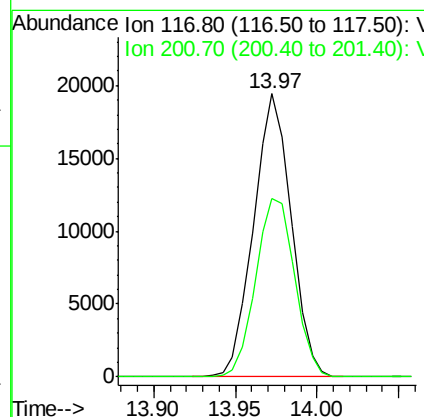
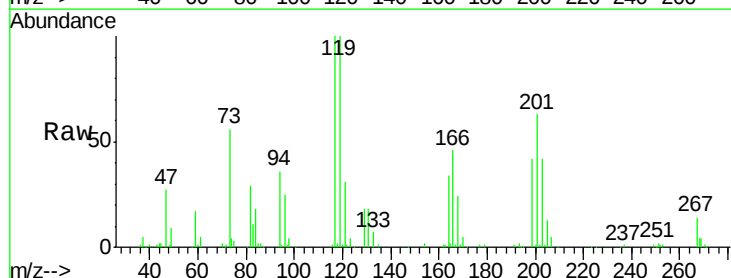
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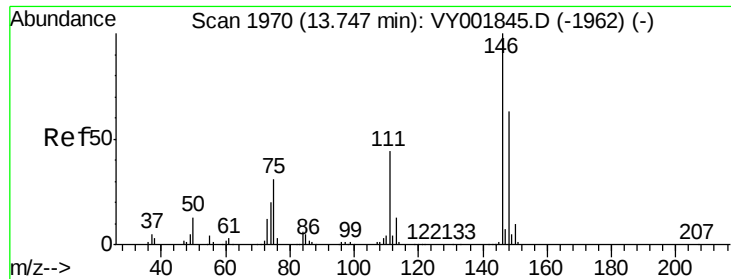
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#90
Hexachloroethane
Concen: 20.952 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY002004.D
Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	32.5	97.5





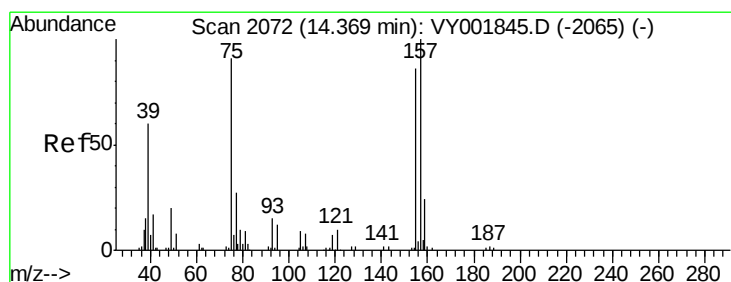
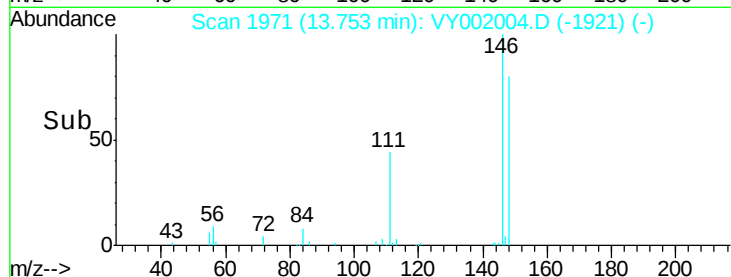
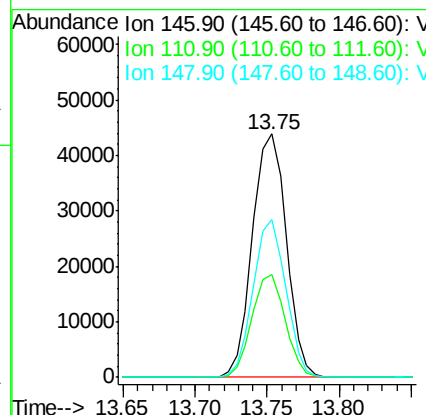
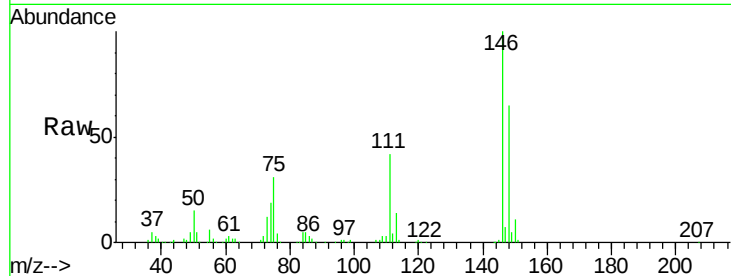
#91
 1,2-Dichlorobenzene
 Concen: 20.922 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	62.4	32.0	96.0

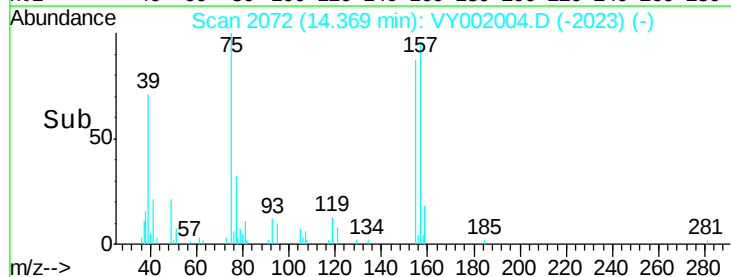
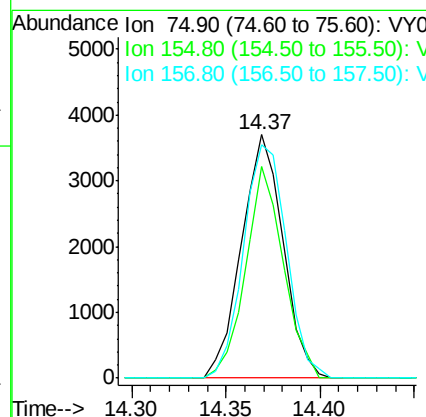
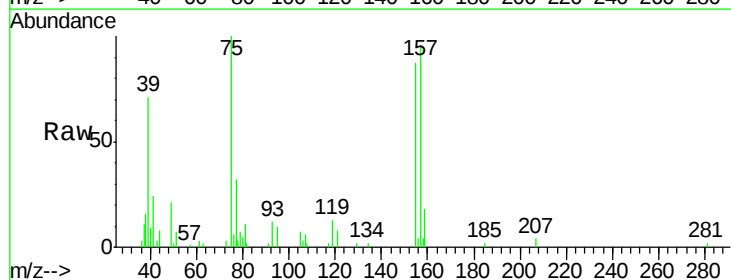
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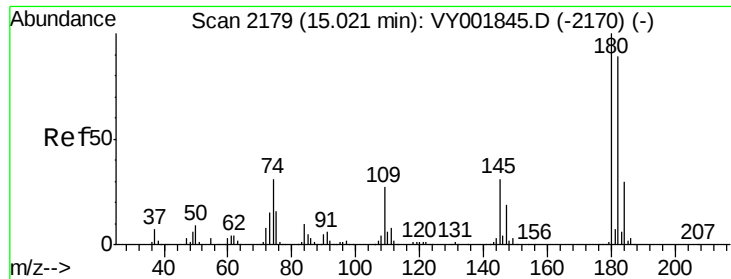
MMDadoda
 3/19/2020 11:59:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.549 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	42.9	128.7
157	99.2	53.1	159.4





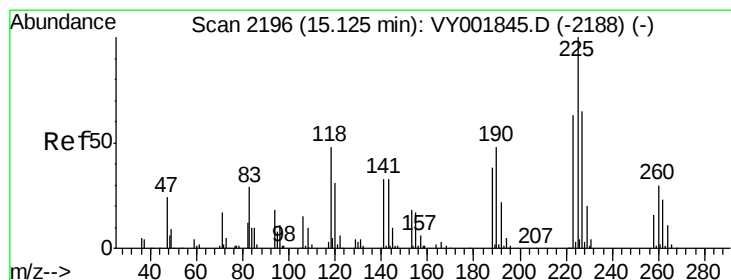
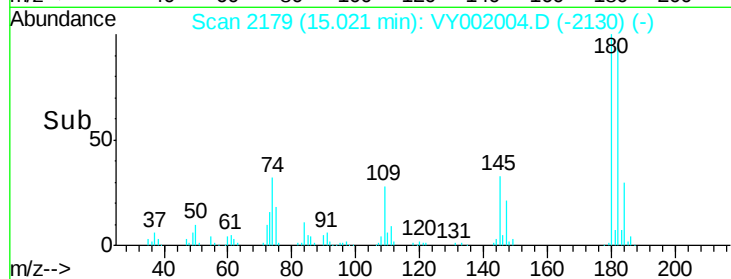
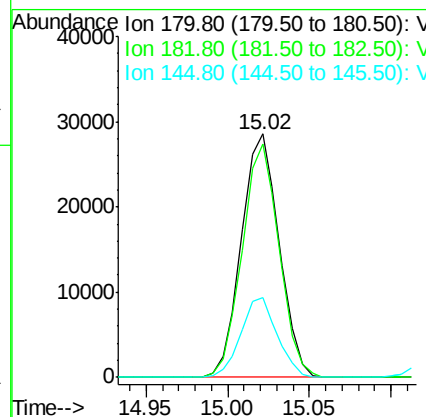
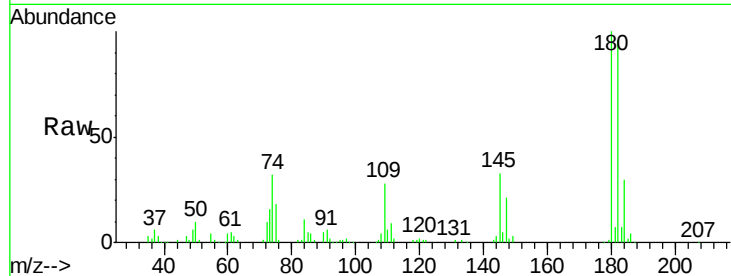
#93
 1,2,4-Trichlorobenzene
 Concen: 20.775 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0318SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46031		
182	93.9	46.1	138.3	
145	31.6	15.6	46.8	

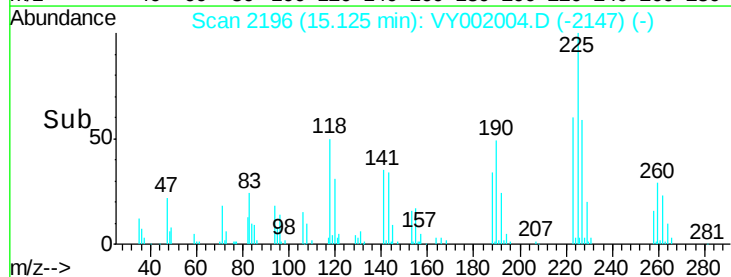
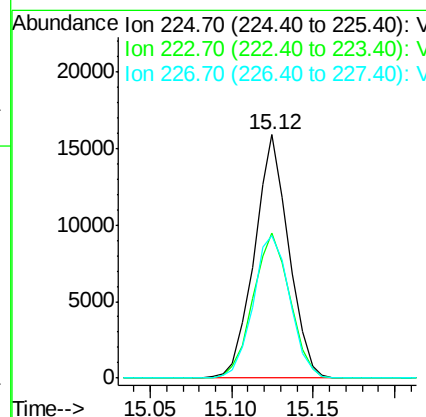
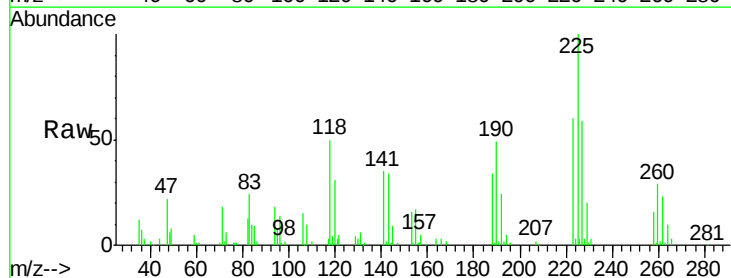
Manual Integrations
 APPROVED

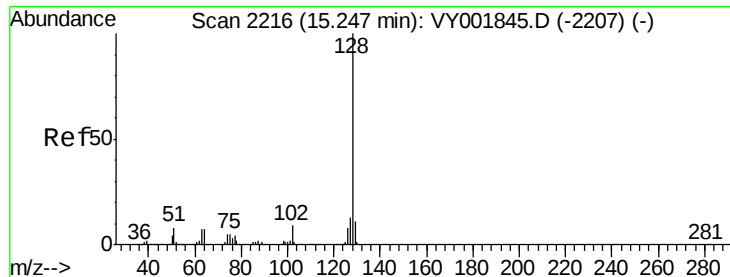
MMDadoda
 3/19/2020 11:59:34 AM



#94
 Hexachlorobutadiene
 Concen: 21.408 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VY002004.D
 Acq: 18 Mar 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23126		
223	64.0	31.5	94.5	
227	63.0	31.9	95.5	





#95

Naphthalene

Concen: 19.037 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Instrument :

MSVOA_Y

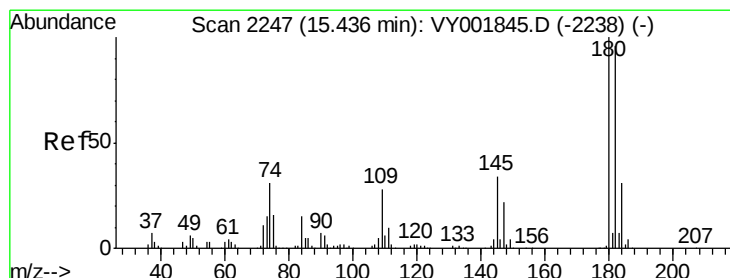
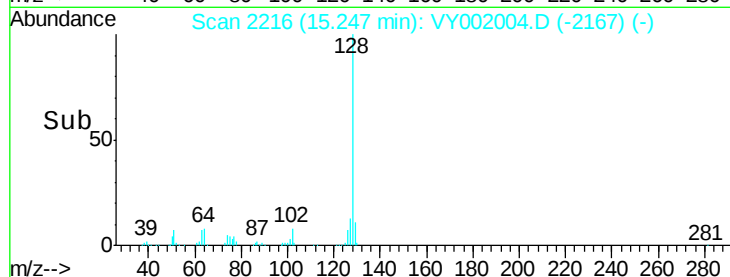
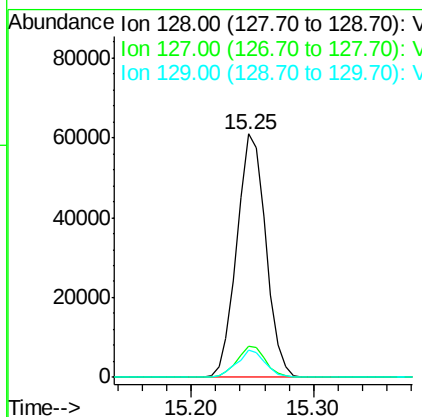
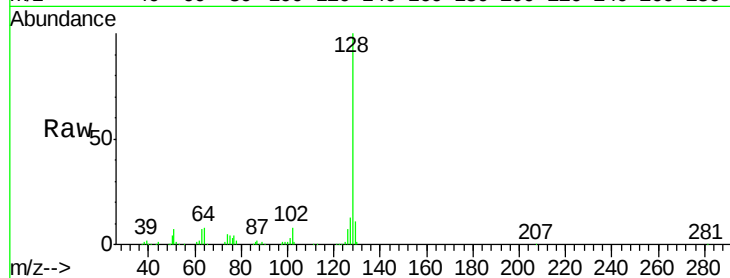
ClientSampleId :

VY0318SBS01

Tot Ion:	128	Resp:	100050
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/19/2020 11:59:34 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.867 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VY002004.D

Acq: 18 Mar 2020 11:25

Tgt Ion:	180	Resp:	40730
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.6	142.9
145	33.6	16.8	50.3

