

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031720\
 Data File : VY001991.D
 Acq On : 17 Mar 2020 11:00
 Operator : SY/MD
 Sample : VY0317SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 11:13:07 AM

Quant Time: Mar 17 16:31:20 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	160688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	287794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	255092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	117564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	84975	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.75	113	79975	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.20	98	327365	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.50	95	112911	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	27842	18.771	ug/l	93
3) Chloromethane	2.13	50	39649	19.827	ug/l	96
4) Vinyl Chloride	2.27	62	40084	19.706	ug/l	99
5) Bromomethane	2.66	94	28481	20.522	ug/l	95
6) Chloroethane	2.81	64	26212	20.514	ug/l	100
7) Trichlorofluoromethane	3.15	101	57084	20.693	ug/l	95
8) Diethyl Ether	3.56	74	22823	20.991	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.94	101	37242	20.989	ug/l	99
10) Methyl Iodide	4.13	142	40144	19.564	ug/l	99
11) Tert butyl alcohol	4.99	59	28337	149.673	ug/l	95
12) 1,1-Dichloroethene	3.91	96	36900	20.654	ug/l	97
13) Acrolein	3.75	56	18868	78.270	ug/l	98
14) Allyl chloride	4.52	41	65481	20.675	ug/l	98
15) Acrylonitrile	5.20	53	61599	106.022	ug/l	98
16) Acetone	3.98	43	49000	98.070	ug/l	100
17) Carbon Disulfide	4.22	76	113380	18.879	ug/l	99
18) Methyl Acetate	4.52	43	26786	20.865	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	100871	20.835	ug/l	98
20) Methylene Chloride	4.75	84	46782	21.847	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	41533	20.482	ug/l	96
22) Diisopropyl ether	6.16	45	140403	21.626	ug/l	99
23) Vinyl Acetate	6.10	43	441108	103.641	ug/l	98
24) 1,1-Dichloroethane	6.06	63	73812	20.995	ug/l	98
25) 2-Butanone	7.02	43	78314	103.069	ug/l	96
26) 2,2-Dichloropropane	7.02	77	62462	21.646	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	47057	21.333	ug/l	99
28) Bromochloromethane	7.36	49	33356	21.049	ug/l	99
29) Tetrahydrofuran	7.38	42	51670	102.404	ug/l	99
30) Chloroform	7.54	83	70434	21.323	ug/l	96
31) Cyclohexane	7.82	56	74767	19.834	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	58878	21.149	ug/l	99
36) 1,1-Dichloropropene	7.94	75	57568	20.787	ug/l	98
37) Ethyl Acetate	7.11	43	33814	21.008	ug/l	98
38) Carbon Tetrachloride	7.93	117	50075	21.166	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	76222	20.751	ug/l	98
40) Benzene	8.19	78	171749	20.923	ug/l	99
41) Methacrylonitrile	7.34	41	13251m	18.293	ug/l	
42) 1,2-Dichloroethane	8.26	62	45429	21.477	ug/l	99
43) Isopropyl Acetate	8.30	43	63422	20.812	ug/l	99
44) Trichloroethene	8.96	130	42445	21.231	ug/l	99
45) 1,2-Dichloropropane	9.24	63	44478	21.555	ug/l	96
46) Dibromomethane	9.33	93	21901	20.596	ug/l	98
47) Bromodichloromethane	9.52	83	53406	21.590	ug/l	98
48) Methyl methacrylate	9.31	41	29407	21.747	ug/l	98
49) 1,4-Dioxane	9.33	88	6205	425.848	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	177074	112.811	ug/l	100
52) Toluene	10.26	92	105452	21.147	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	56614	21.007	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	67579	21.064	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	33316	21.408	ug/l	97
56) Ethyl methacrylate	10.53	69	47513	20.829	ug/l	95
57) 1,3-Dichloropropane	10.81	76	57919	20.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	124676	142.533	ug/l	99
59) 2-Hexanone	10.85	43	114369	102.084	ug/l	100
60) Dibromochloromethane	11.00	129	35226	21.481	ug/l	99
61) 1,2-Dibromoethane	11.11	107	30849	20.927	ug/l	100
64) Tetrachloroethene	10.74	164	35116	21.951	ug/l	98
65) Chlorobenzene	11.53	112	108020	21.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	36966	22.178	ug/l	99
67) Ethyl Benzene	11.61	91	201201	21.225	ug/l	99
68) m/p-Xylenes	11.72	106	150540	42.955	ug/l	100
69) o-Xylene	12.05	106	70083	21.217	ug/l	97
70) Styrene	12.06	104	122527	21.658	ug/l	99
71) Bromoform	12.22	173	19114	21.145	ug/l	# 99
73) Isopropylbenzene	12.34	105	190036	21.175	ug/l	99
74) N-amyl acetate	12.16	43	55603	20.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	41014	21.192	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	30910m	22.158	ug/l	
77) Bromobenzene	12.62	156	40712	21.411	ug/l	97
78) n-propylbenzene	12.69	91	236134	21.327	ug/l	100
79) 2-Chlorotoluene	12.77	91	130681	21.363	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	158609	21.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14781	21.403	ug/l	96
82) 4-Chlorotoluene	12.87	91	138379	21.727	ug/l	100
83) tert-Butylbenzene	13.09	119	132735	21.630	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	158244	21.582	ug/l	100
85) sec-Butylbenzene	13.27	105	197880	21.877	ug/l	100
86) p-Isopropyltoluene	13.38	119	172099	22.057	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	81342	21.831	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	80682	21.344	ug/l	99
89) n-Butylbenzene	13.71	91	175412	21.669	ug/l	98
90) Hexachloroethane	13.97	117	31655	21.505	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	72810	21.509	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6070	20.099	ug/l	99

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ClientSampleId :
VY0317SBS01

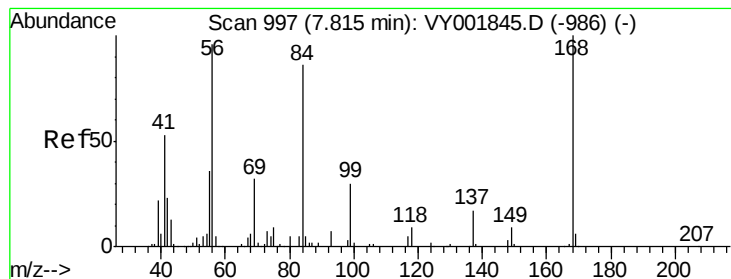
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	46642	21.247	ug/l	98
94) Hexachlorobutadiene	15.12	225	23460	21.920	ug/l	99
95) Naphthalene	15.25	128	105262	20.215	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	40567	20.977	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion:168 Resp: 160688

Ion Ratio Lower Upper

168 100

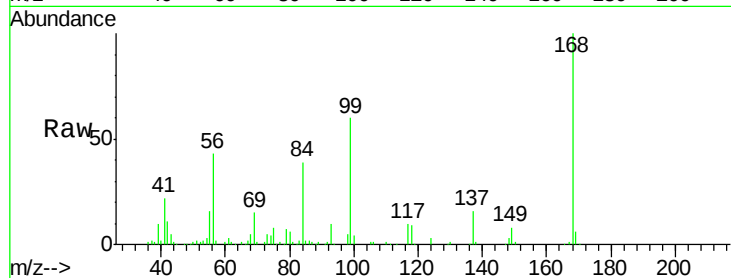
99 59.6 46.7 70.1

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Abundance Ion 167.90 (167.60 to 168.60): VY001991.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001991.D (-948) (-)

7.82

60000

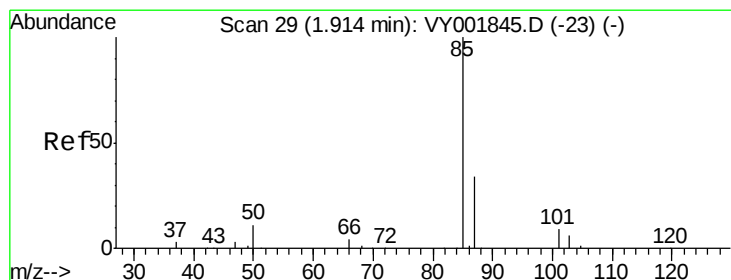
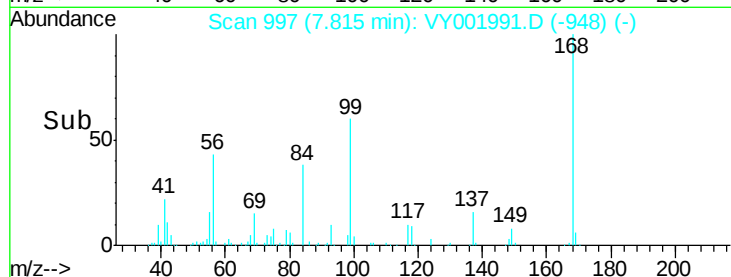
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.771 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001991.D

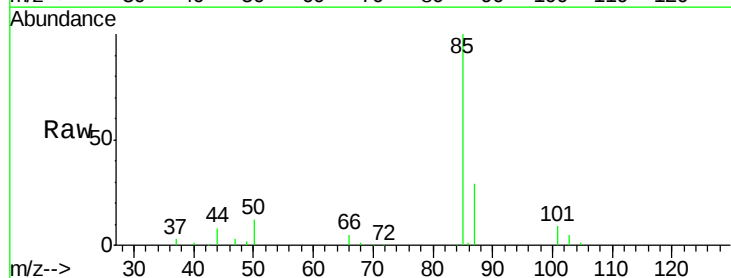
Acq: 17 Mar 2020 11:00

Tgt Ion: 85 Resp: 27842

Ion Ratio Lower Upper

85 100

87 29.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001991.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001991.D (-1) (-)

1.92

20000

15000

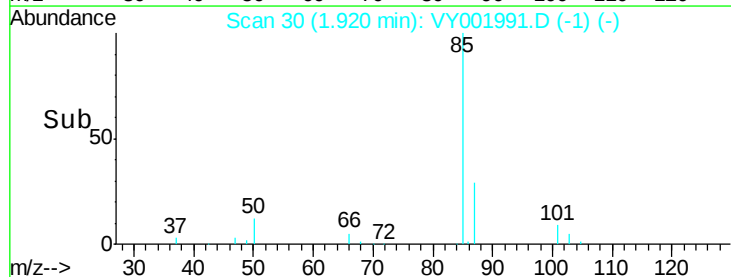
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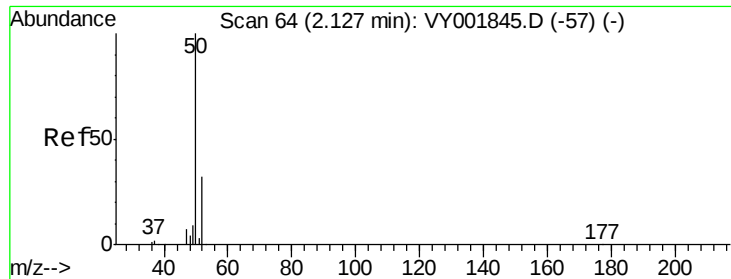
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 19.827 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 50 Resp: 39649

Ion Ratio Lower Upper

50 100

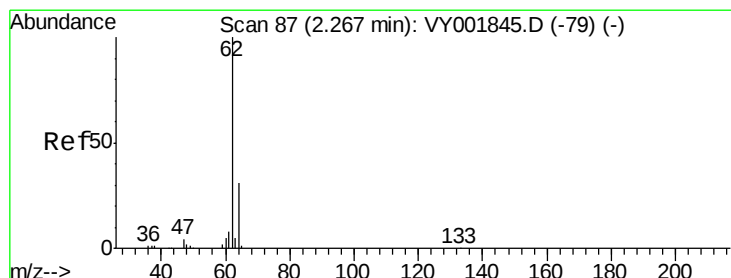
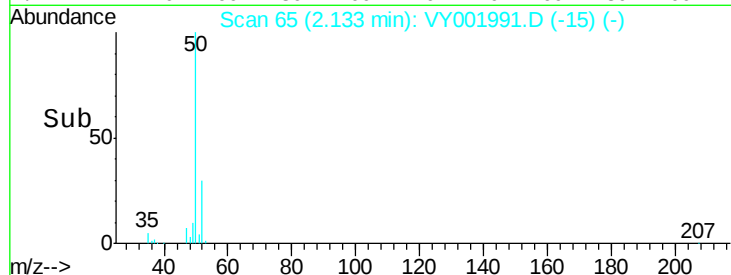
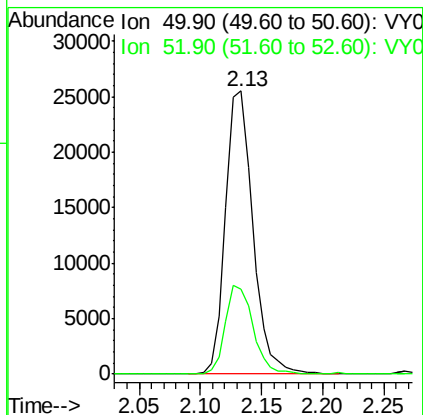
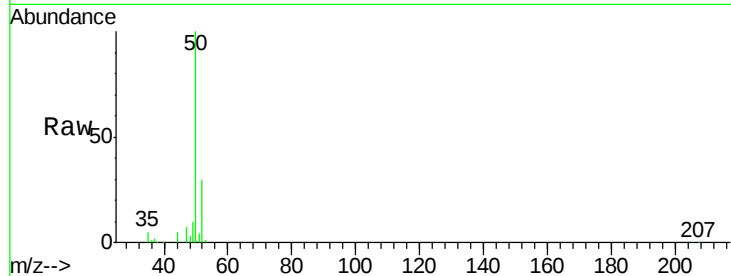
52 30.1 25.8 38.6

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#4

Vinyl Chloride

Concen: 19.706 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.00 min

Lab File: VY001991.D

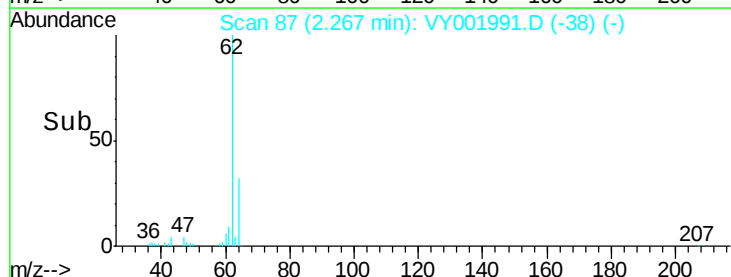
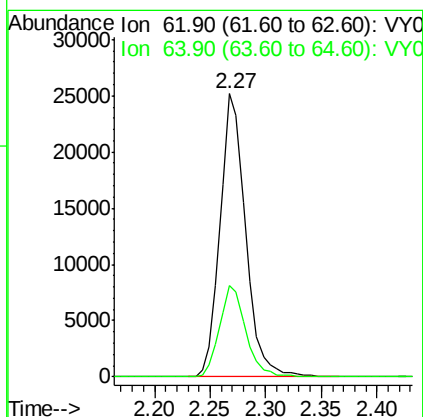
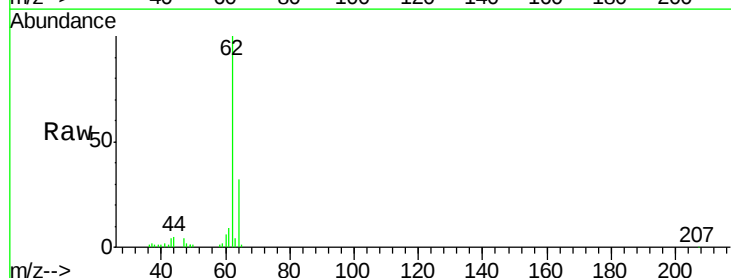
Acq: 17 Mar 2020 11:00

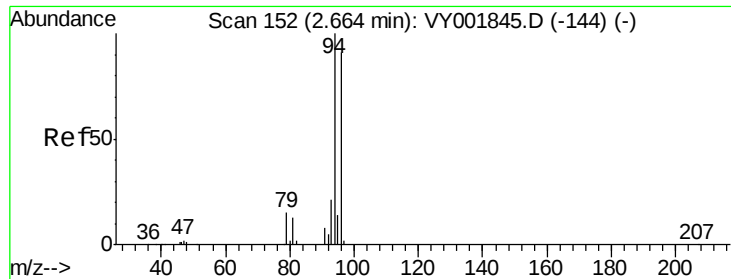
Tgt Ion: 62 Resp: 40084

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 20.522 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 94 Resp: 28481

Ion Ratio Lower Upper

94 100

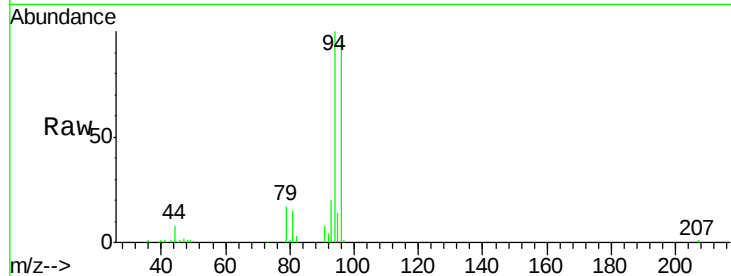
96 95.8 73.2 109.8

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

15000

10000

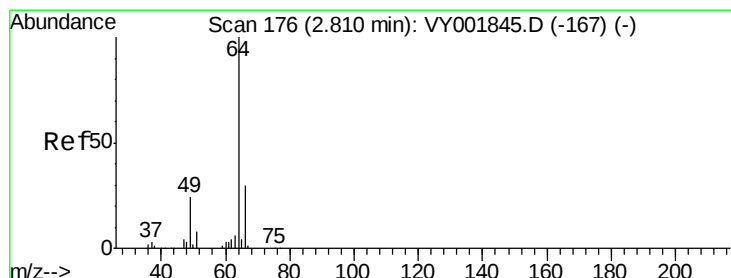
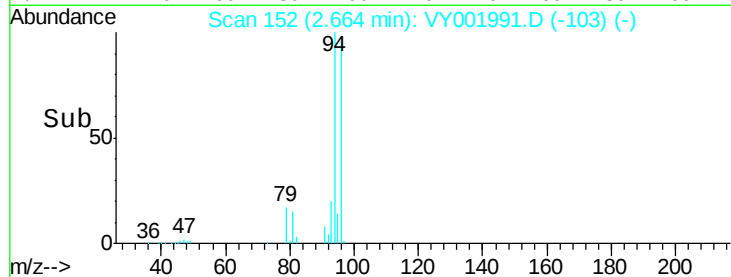
5000

0

2.66

2.60 2.70 2.80

Time-->



#6

Chloroethane

Concen: 20.514 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001991.D

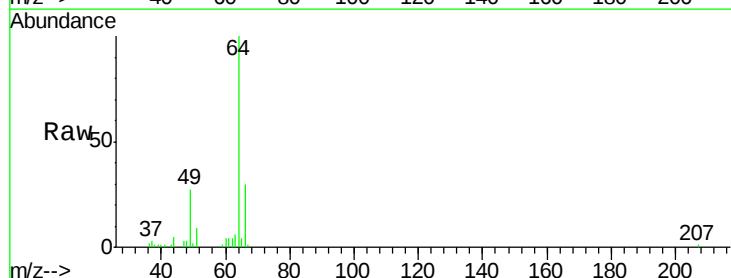
Acq: 17 Mar 2020 11:00

Tgt Ion: 64 Resp: 26212

Ion Ratio Lower Upper

64 100

66 30.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

10000

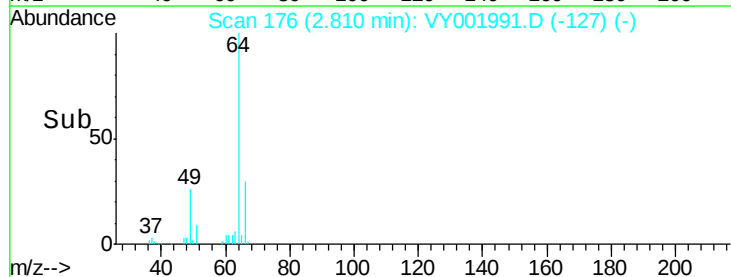
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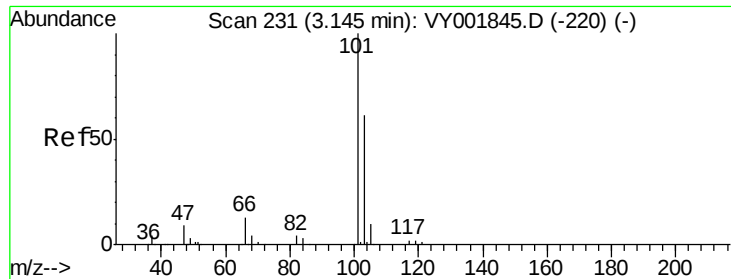
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2.81

2.70 2.80 2.90

Time-->





#7

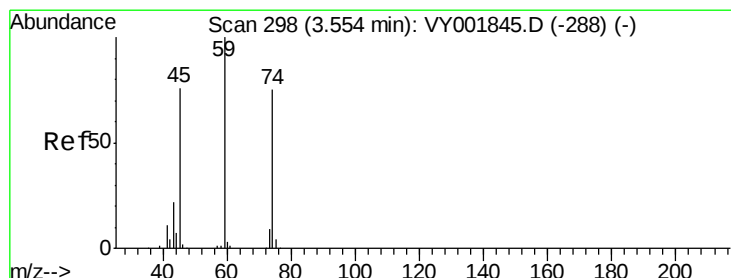
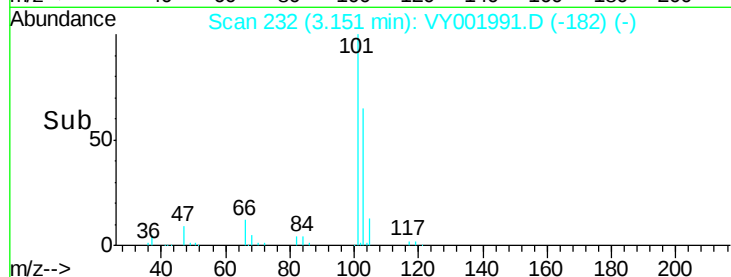
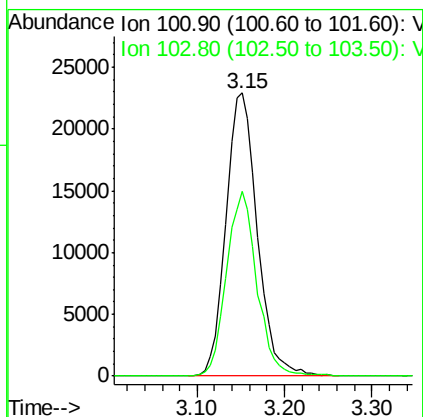
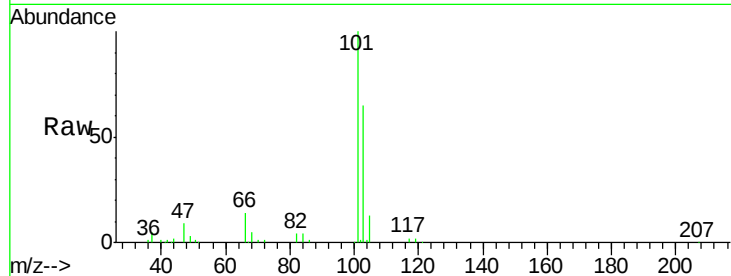
Trichlorofluoromethane
Concen: 20.693 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
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ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.1	73.7

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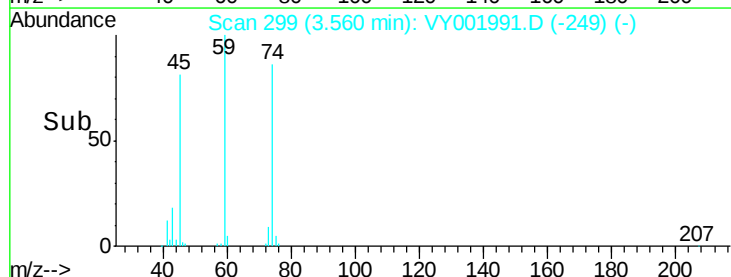
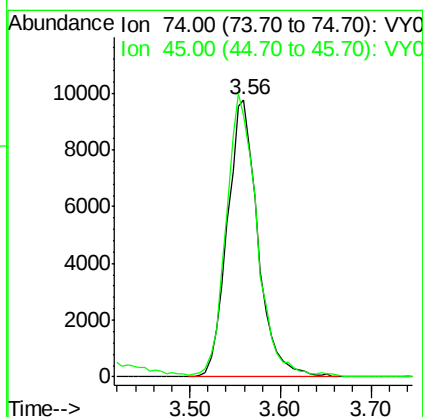
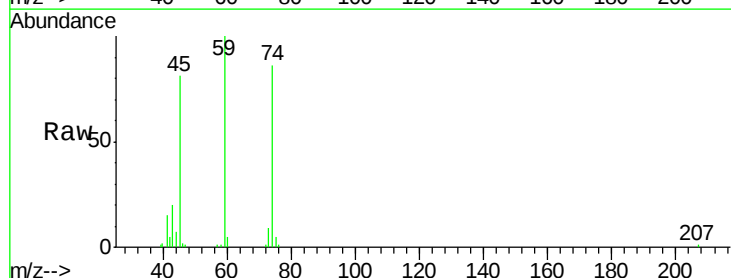
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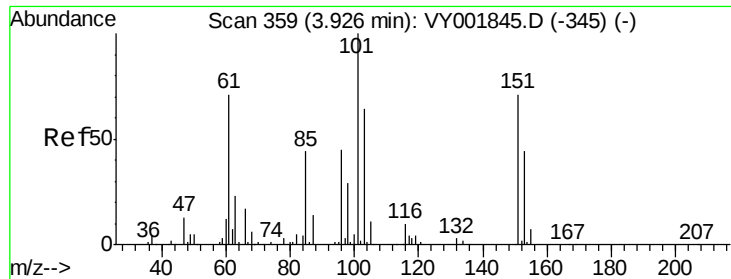


#8

Diethyl Ether
Concen: 20.991 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.989 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

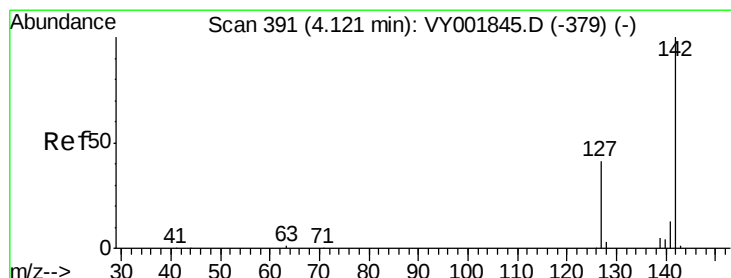
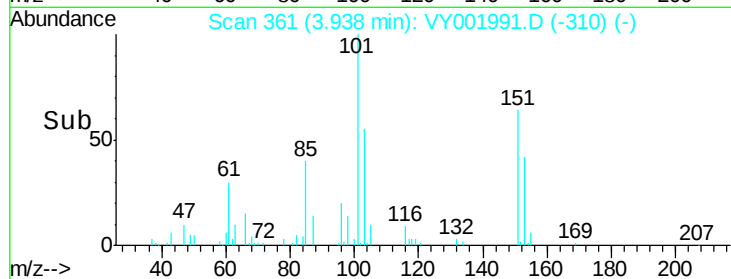
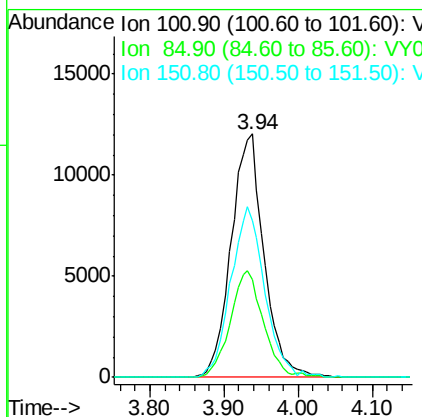
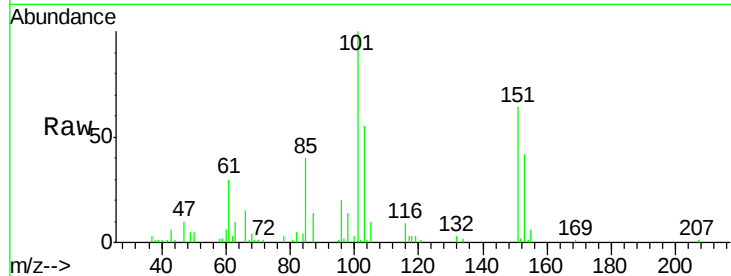
ClientSampleId :

VY0317SBS01

Tot Ion:	101	Resp:	37242
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.3	52.9
151	72.4	57.0	85.4

Manual Integrations
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3/18/2020 11:13:07 AM



#10

Methyl Iodide

Concen: 19.564 ug/l

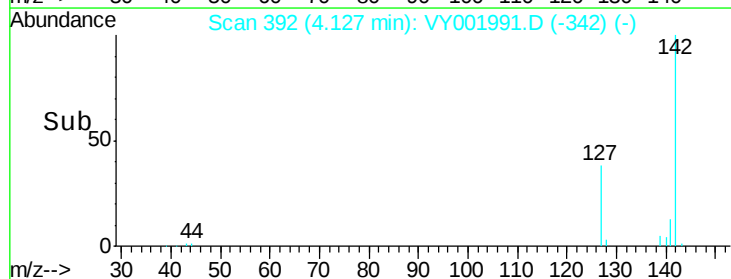
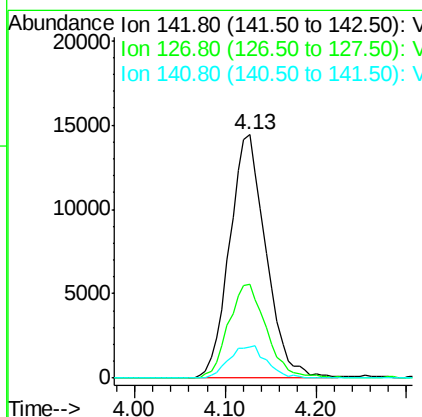
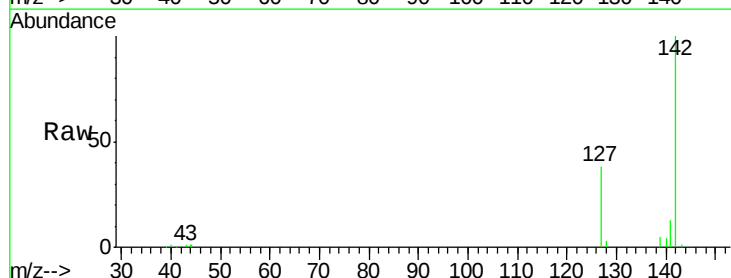
RT: 4.13 min Scan# 392

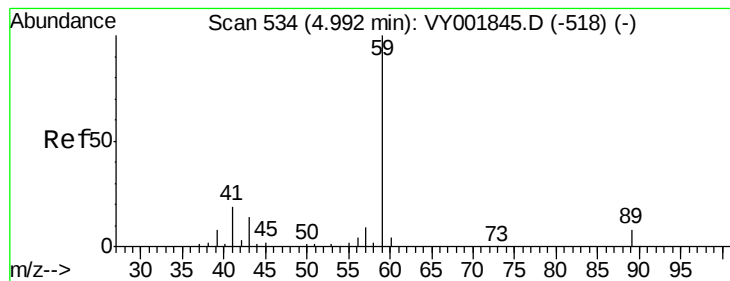
Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion:	142	Resp:	40144
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.7	49.1
141	13.6	11.0	16.6





#11

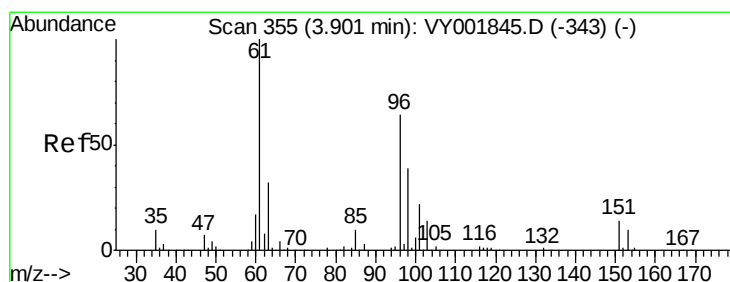
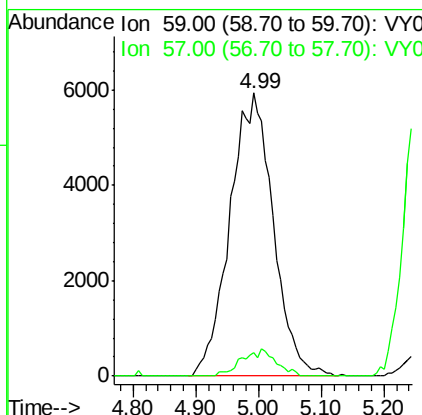
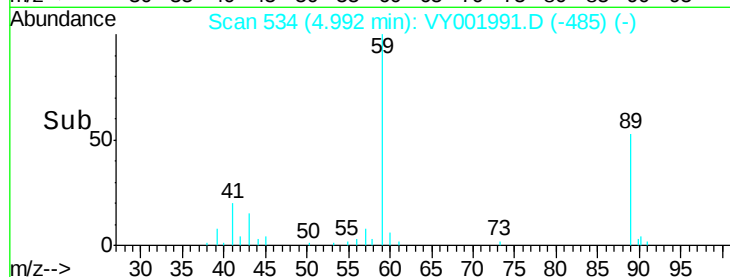
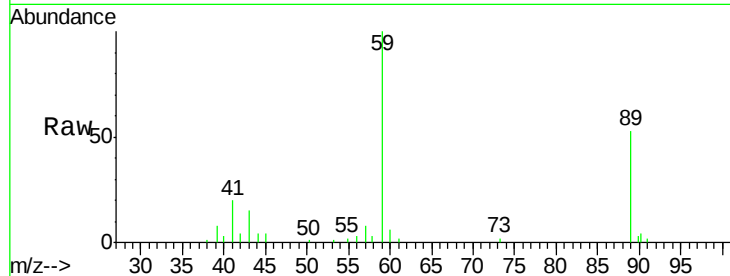
Tert butyl alcohol
Concen: 149.673 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion: 59 Resp: 28337
Ion Ratio Lower Upper
59 100
57 7.5 7.4 11.2

Manual Integrations
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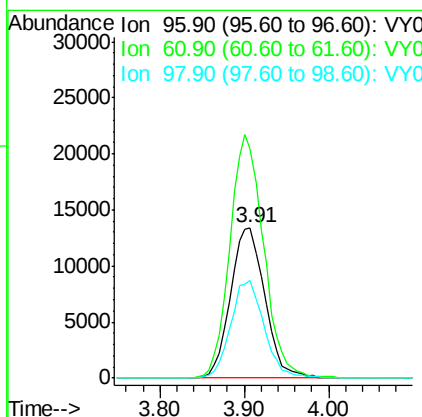
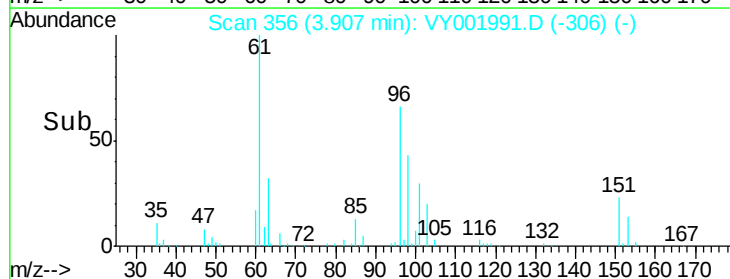
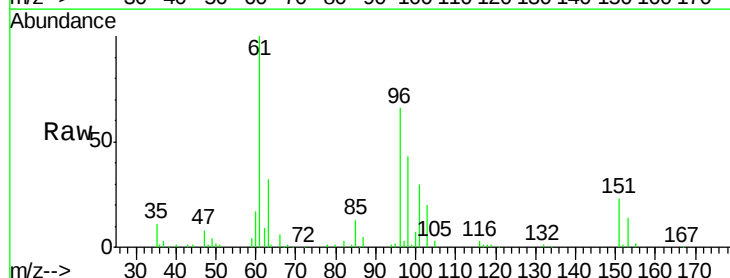
MMDadoda
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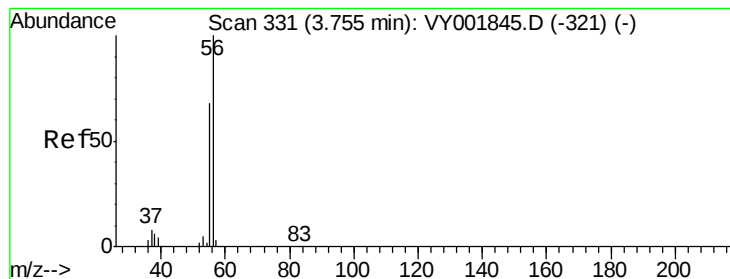


#12

1,1-Dichloroethene
Concen: 20.654 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion: 96 Resp: 36900
Ion Ratio Lower Upper
96 100
61 152.2 124.8 187.2
98 64.9 49.2 73.8





#13

Acrolein

Concen: 78.270 ug/l

RT: 3.75 min Scan# 331

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 56 Resp: 18868

Ion Ratio Lower Upper

56 100

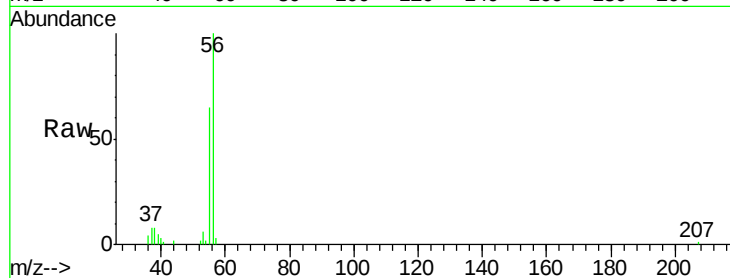
55 69.2 54.0 81.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.75

8000

6000

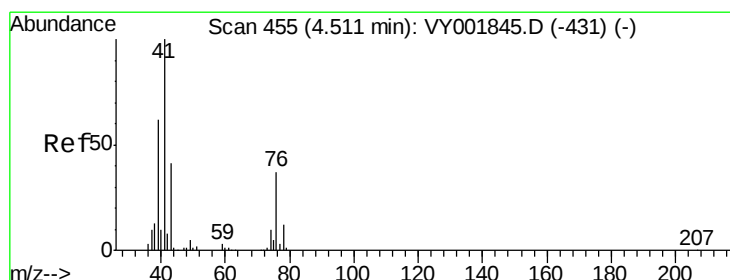
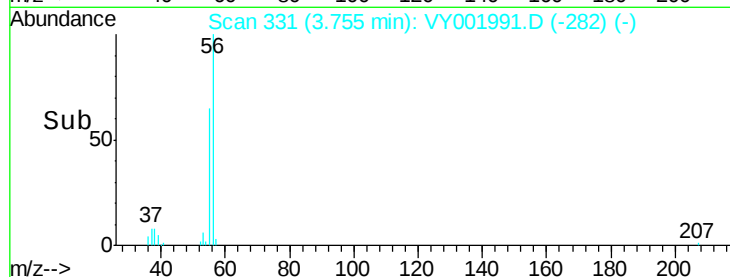
4000

2000

0

Time-->

3.70 3.80 3.90



#14

Allyl chloride

Concen: 20.675 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

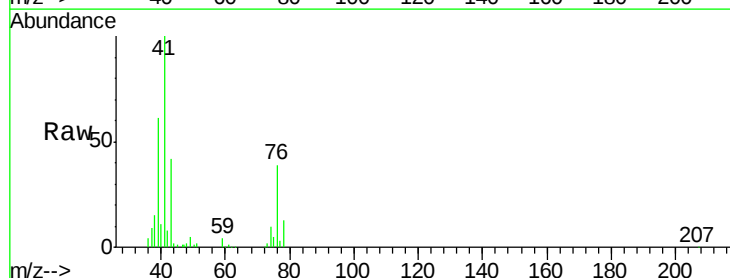
Tgt Ion: 41 Resp: 65481

Ion Ratio Lower Upper

41 100

39 62.5 49.0 73.6

76 37.3 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

4.52

25000

20000

15000

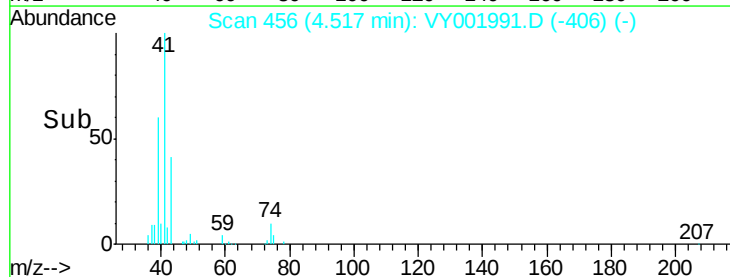
10000

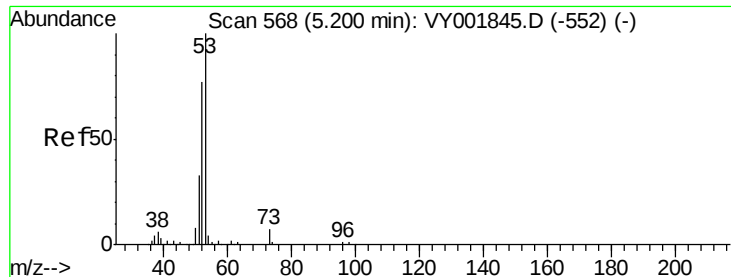
5000

0

Time-->

4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 106.022 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

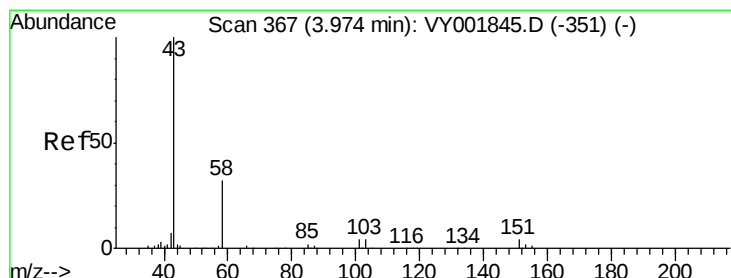
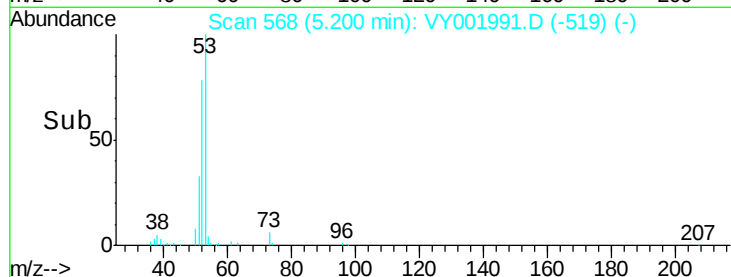
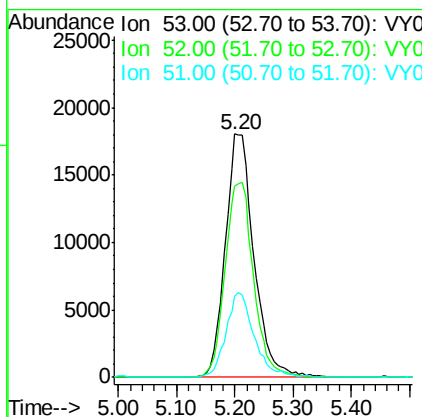
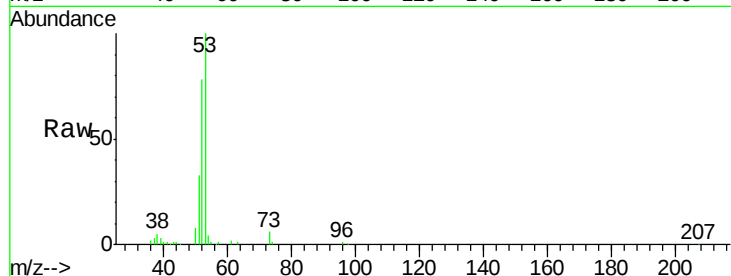
ClientSampleId :

VY0317SBS01

Tot Ion:	53	Resp:	61599
Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.1	97.7
51	34.1	27.5	41.3

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#16

Acetone

Concen: 98.070 ug/l

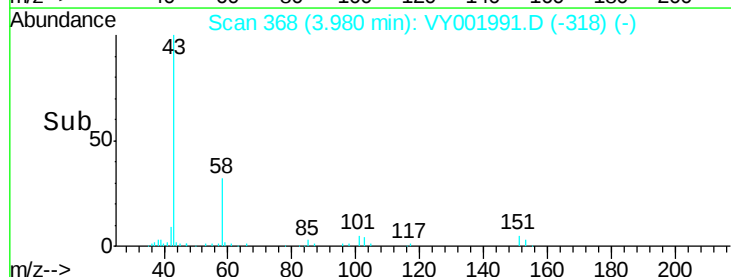
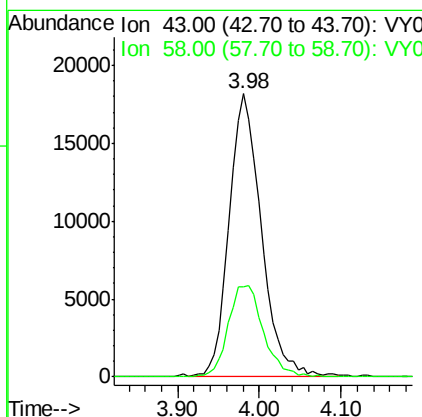
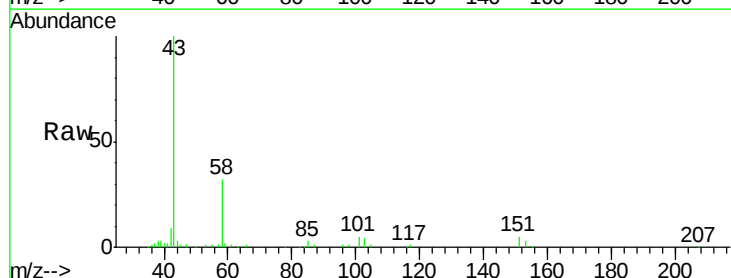
RT: 3.98 min Scan# 368

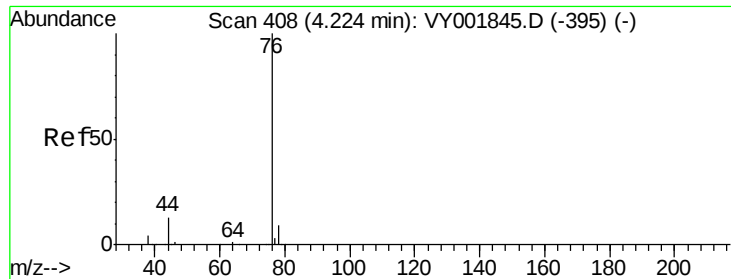
Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion:	43	Resp:	49000
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.9	38.9





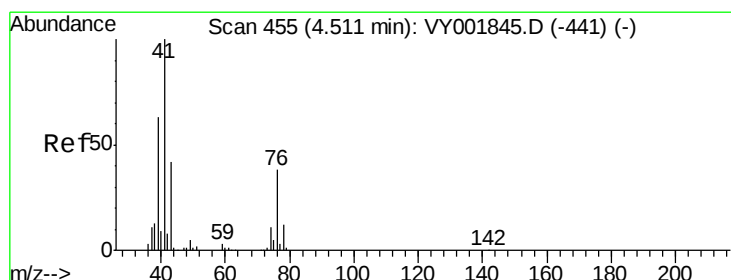
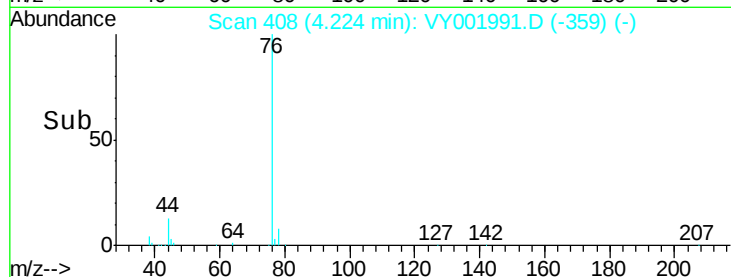
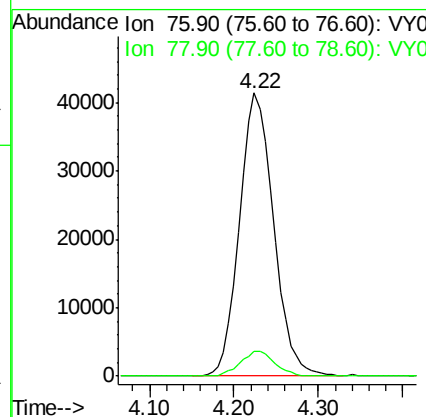
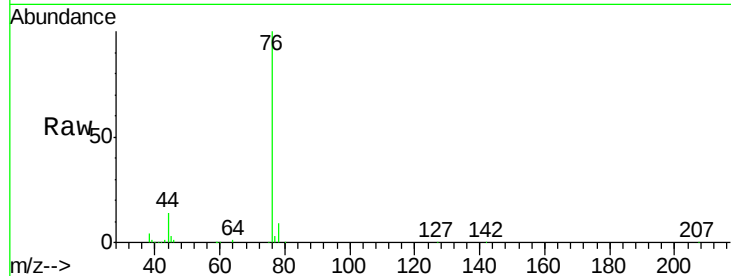
#17
Carbon Disulfide
Concen: 18.879 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

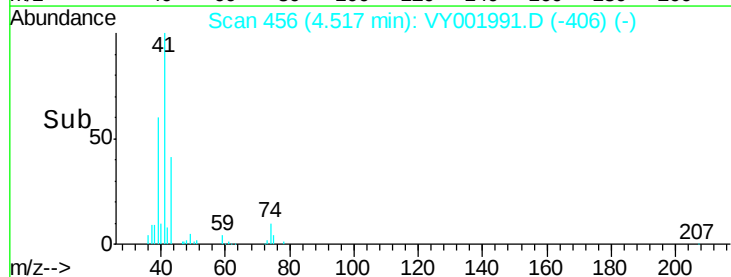
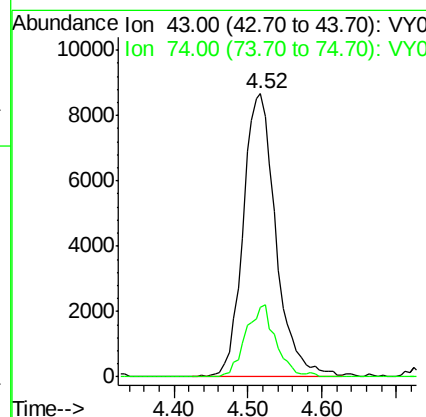
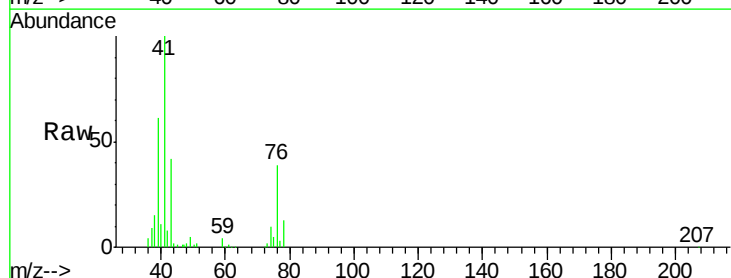
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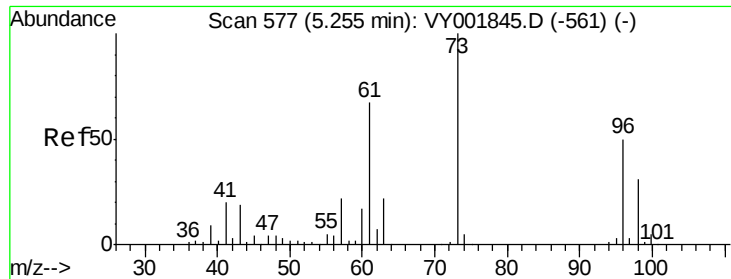
MMDadoda
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#18
Methyl Acetate
Concen: 20.865 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.0	28.6





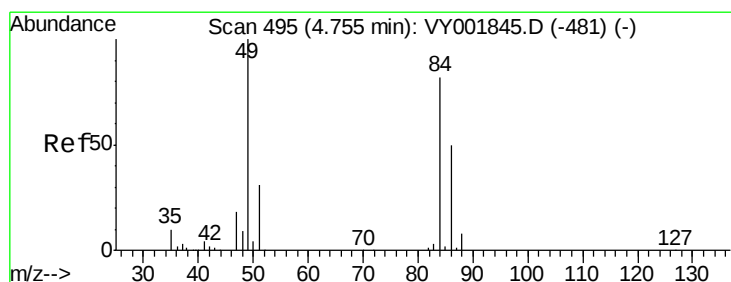
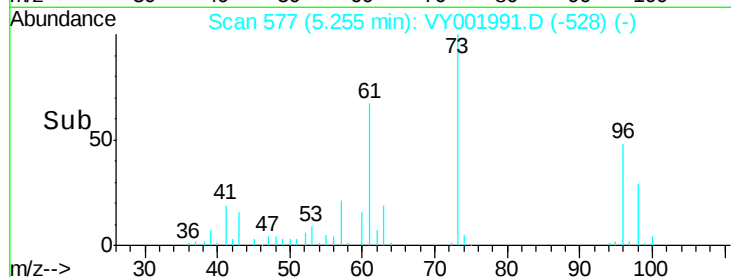
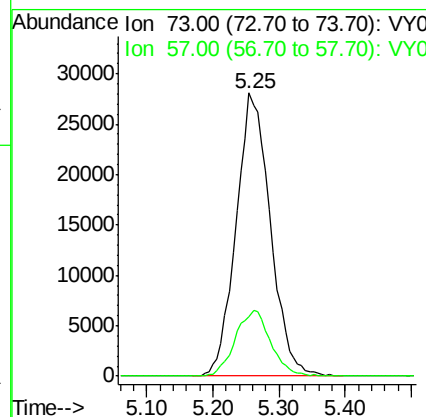
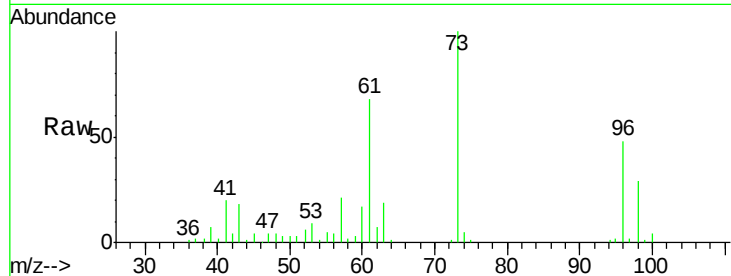
#19
Methyl tert-butyl Ether
Concen: 20.835 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion: 73 Resp: 100871
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2

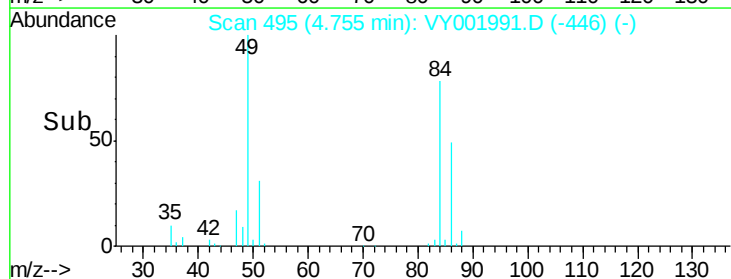
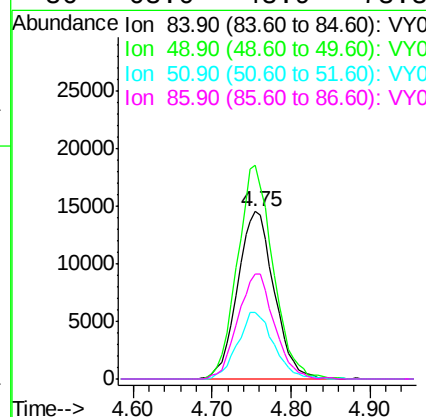
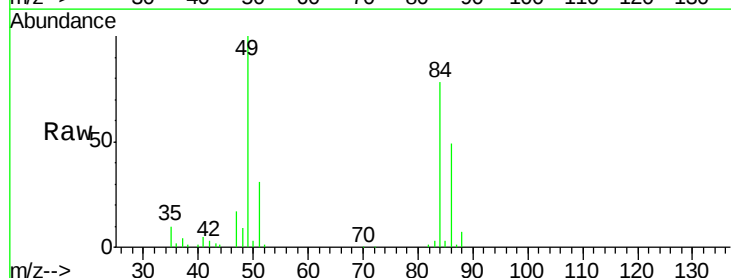
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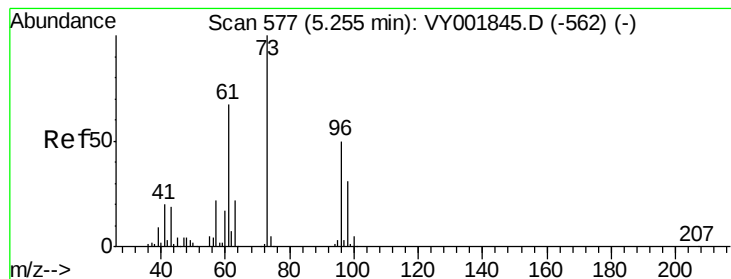
MMDadoda
3/18/2020 11:13:07 AM



#20
Methylene Chloride
Concen: 21.847 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion: 84 Resp: 46782
Ion Ratio Lower Upper
84 100
49 127.8 98.2 147.2
51 39.6 30.2 45.2
86 63.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.482 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 96 Resp: 41533

Ion Ratio Lower Upper

96 100

61 141.0 107.7 161.5

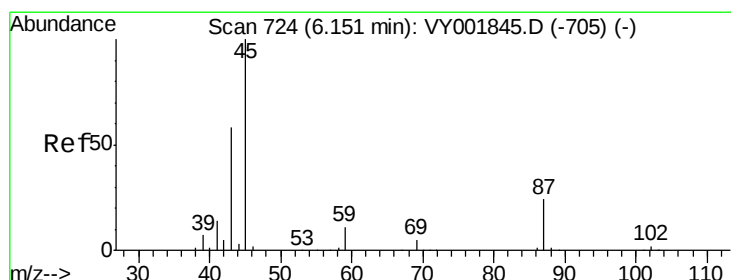
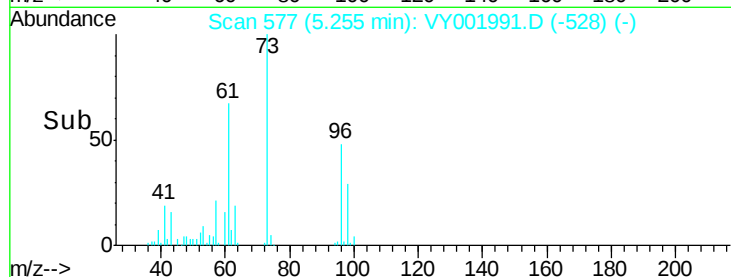
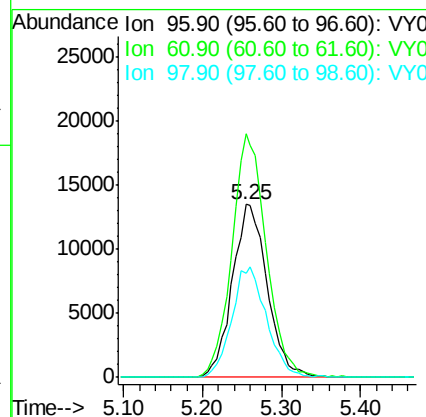
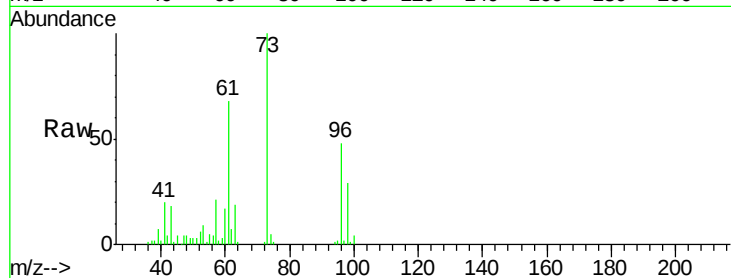
98 60.1 49.3 73.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.626 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion: 45 Resp: 140403

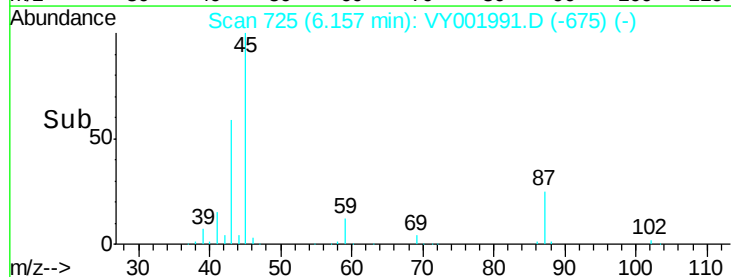
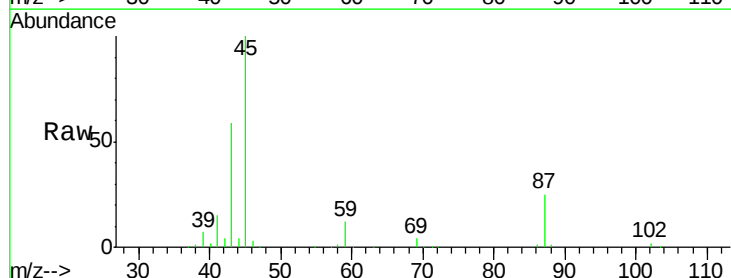
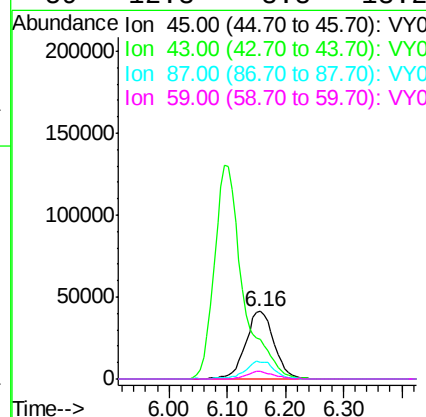
Ion Ratio Lower Upper

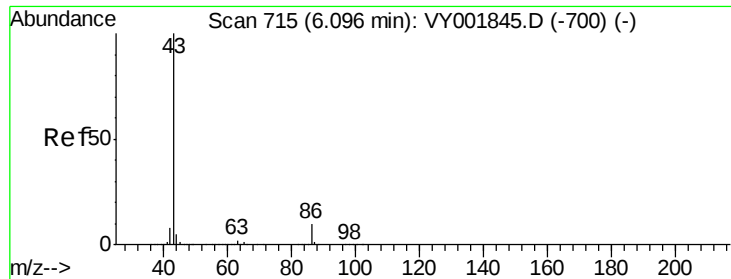
45 100

43 58.3 47.2 70.8

87 24.9 19.8 29.8

59 12.3 8.8 13.2





#23

Vinyl Acetate

Concen: 103.641 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 43 Resp: 441108

Ion Ratio Lower Upper

43 100

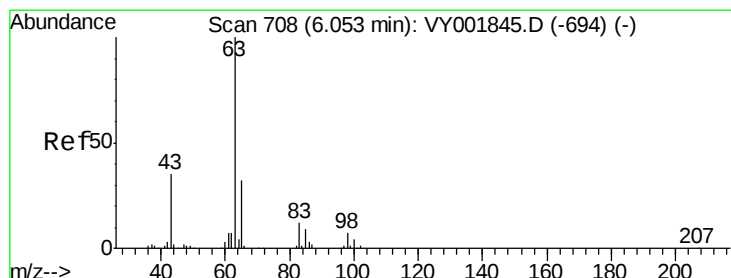
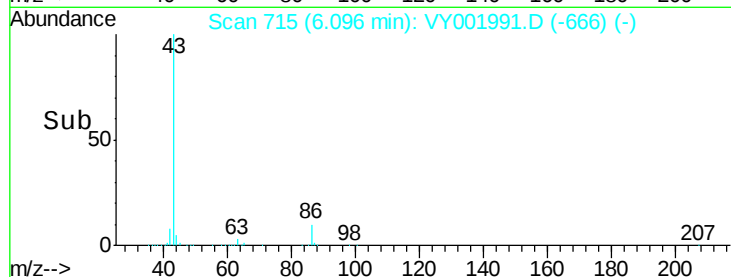
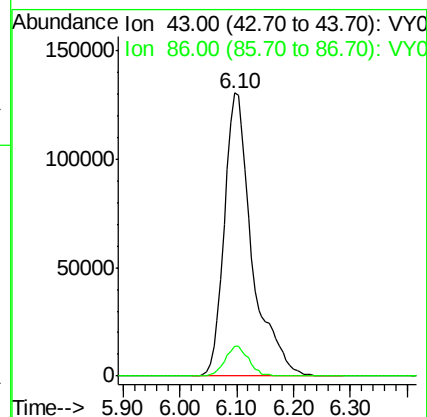
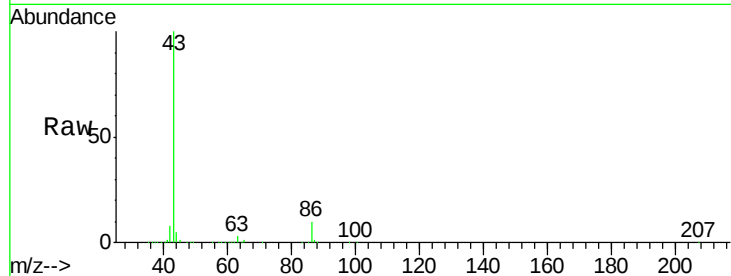
86 10.5 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.995 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

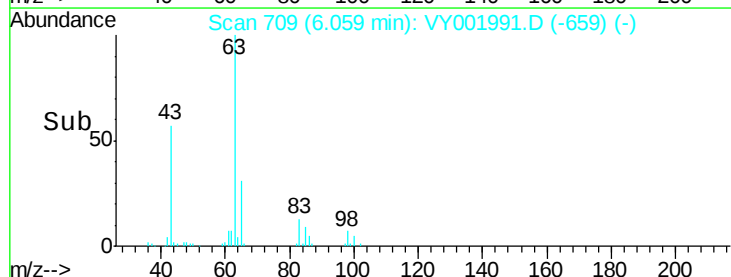
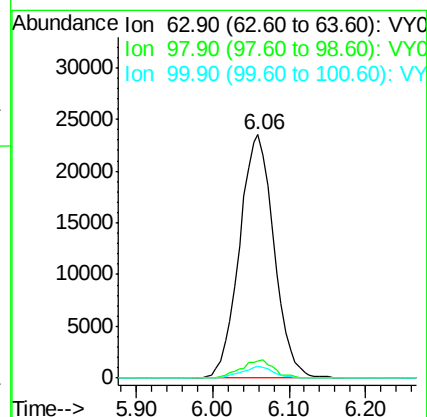
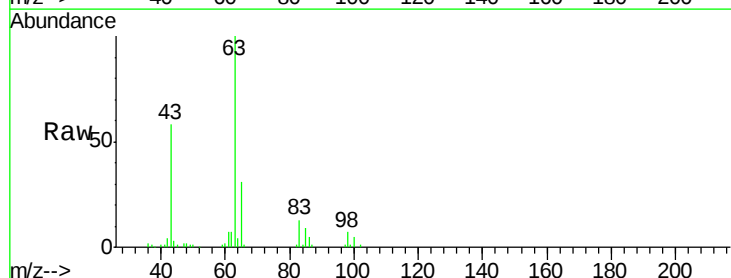
Tgt Ion: 63 Resp: 73812

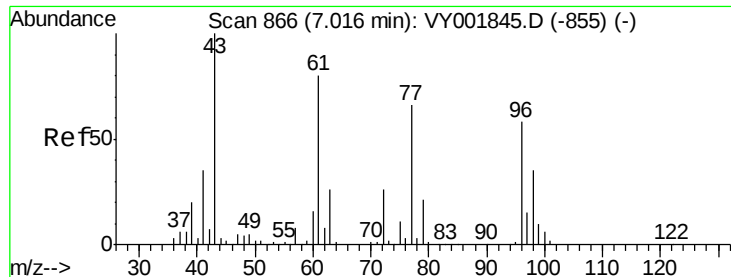
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 5.0 2.0 6.0





#25

2-Butanone

Concen: 103.069 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 43 Resp: 78314

Ion Ratio Lower Upper

43 100

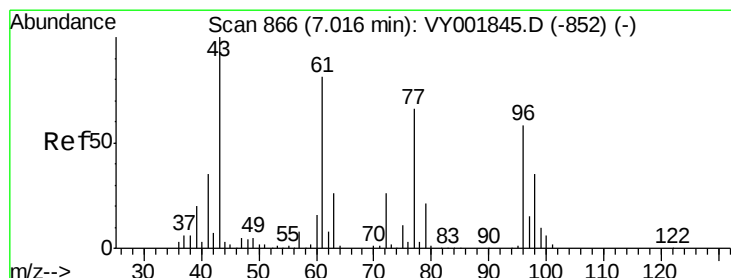
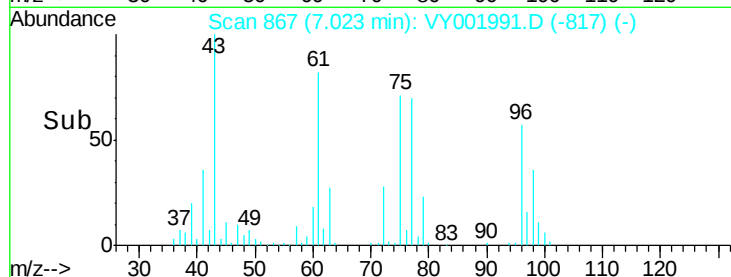
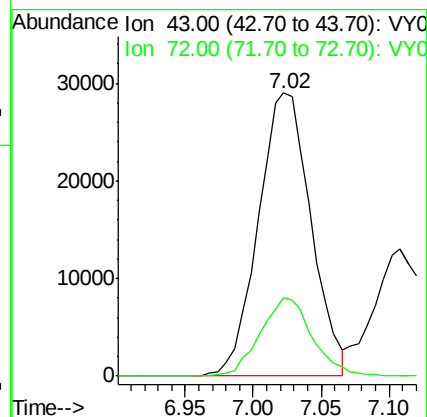
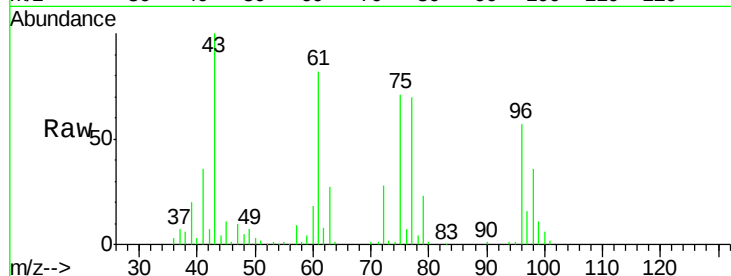
72 28.0 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.646 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001991.D

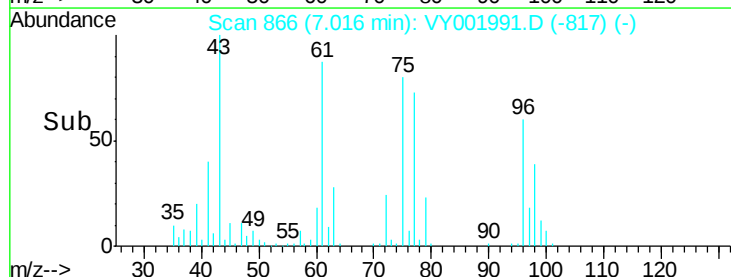
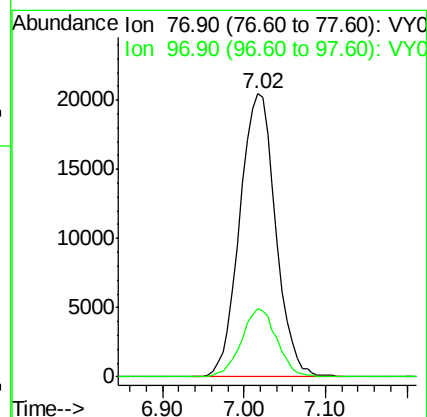
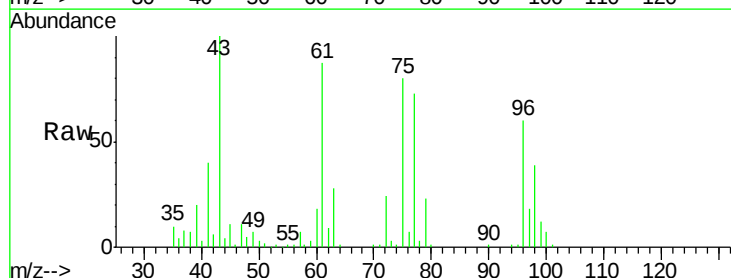
Acq: 17 Mar 2020 11:00

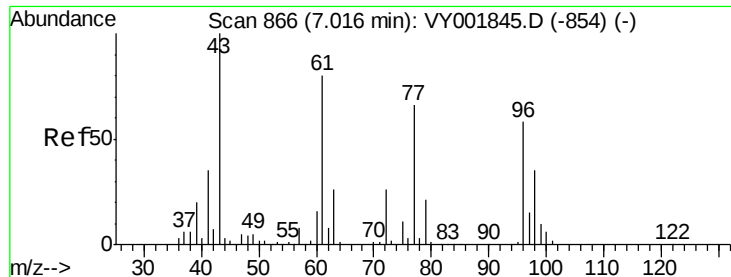
Tgt Ion: 77 Resp: 62462

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.7





#27

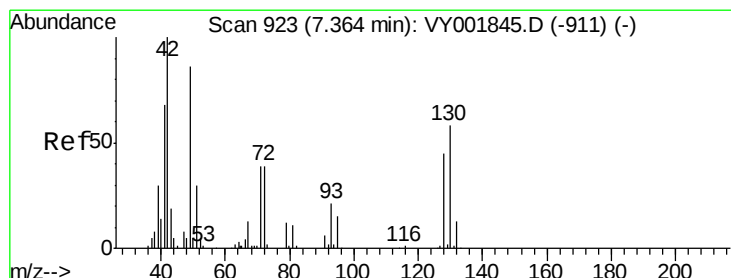
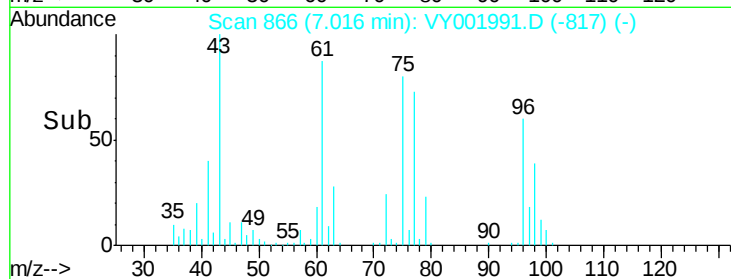
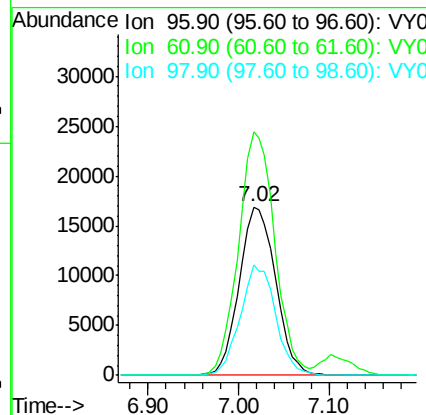
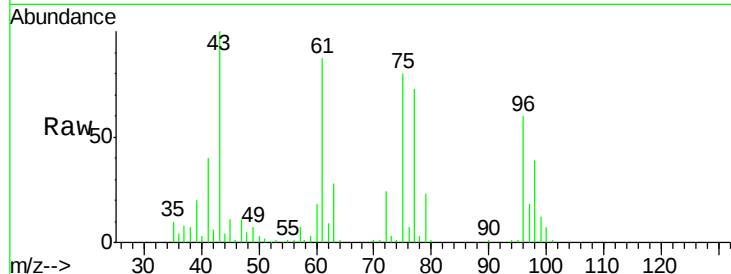
cis-1,2-Dichloroethene
Concen: 21.333 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	288.2
98	63.2	0.0	129.0

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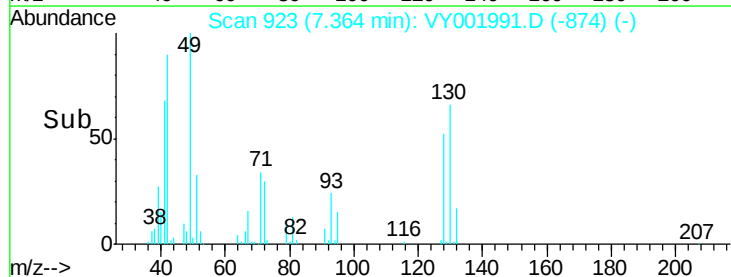
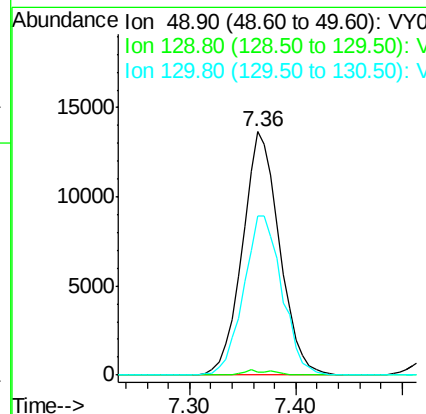
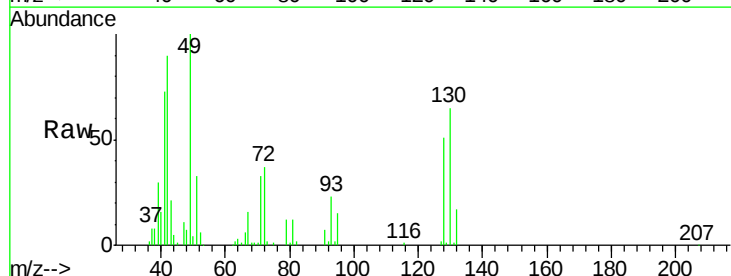
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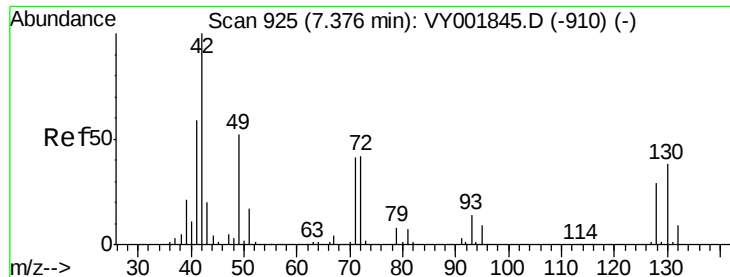


#28

Bromochloromethane
Concen: 21.049 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	67.4	54.4	81.6





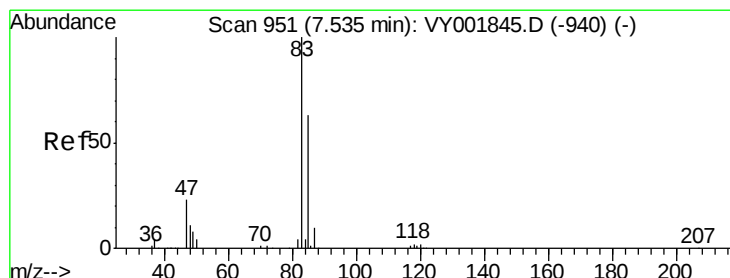
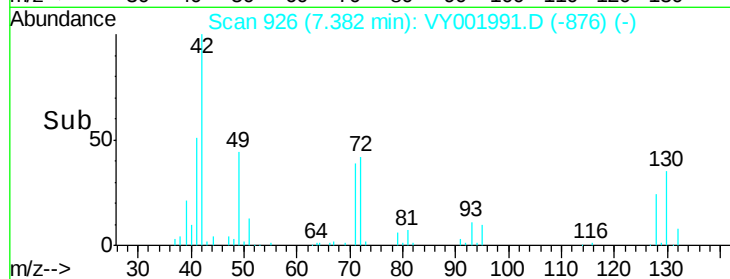
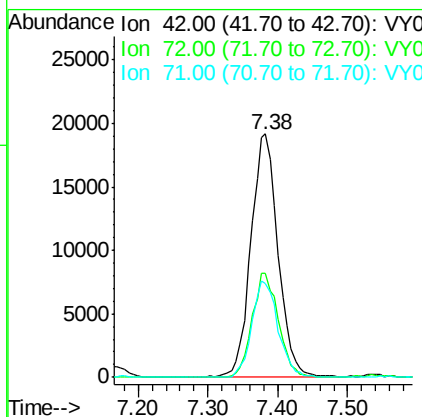
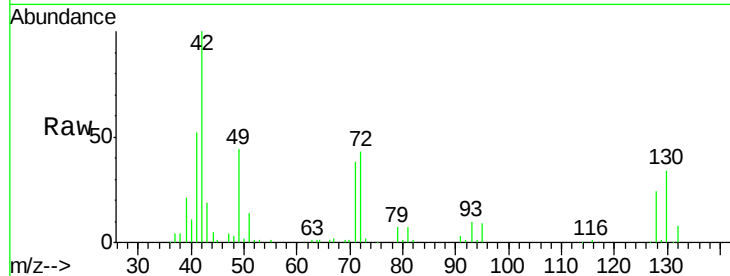
#29
Tetrahydrofuran
Concen: 102.404 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.5	50.3
71	38.2	31.3	46.9

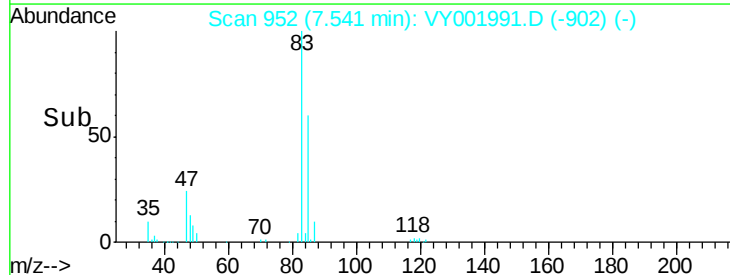
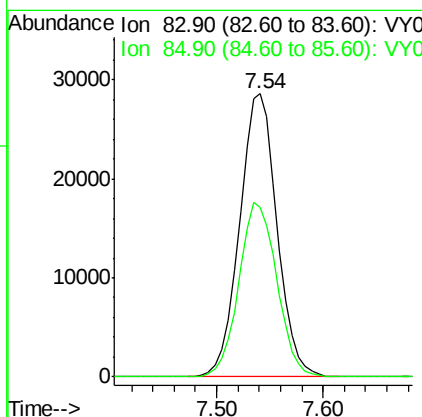
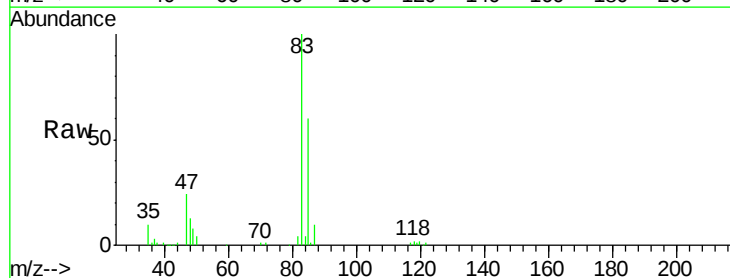
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#30
Chloroform
Concen: 21.323 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	50.7	76.1





#31

Cvclohexane

Concen: 19.834 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

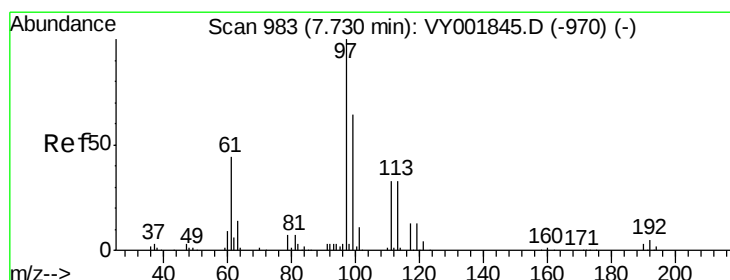
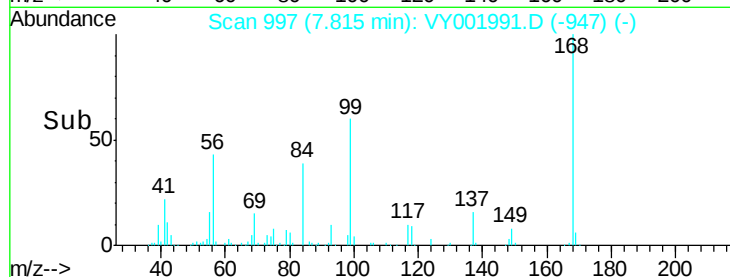
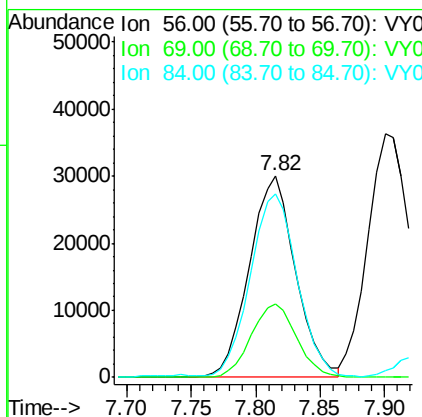
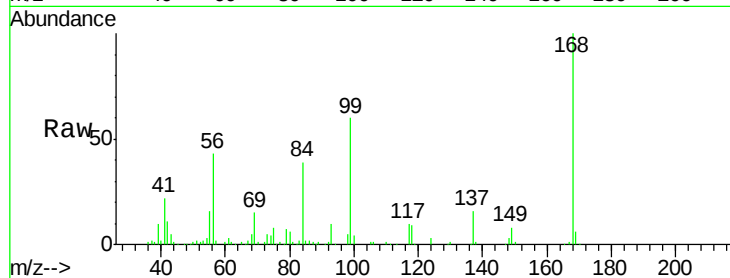
ClientSampleId :

VY0317SBS01

Tot Ion:	56	Resp:	74767
Ion Ratio	Lower	Upper	
56	100		
69	36.1	26.7	40.1
84	90.4	70.4	105.6

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#32

1,1,1-Trichloroethane

Concen: 21.149 ug/l

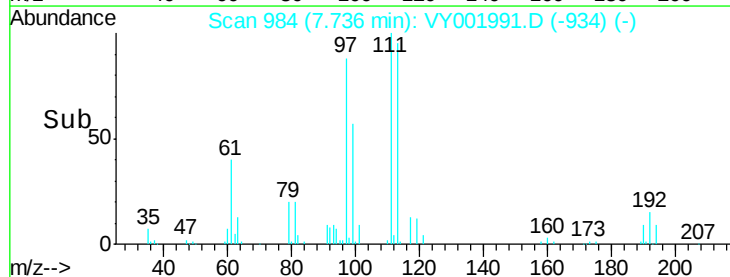
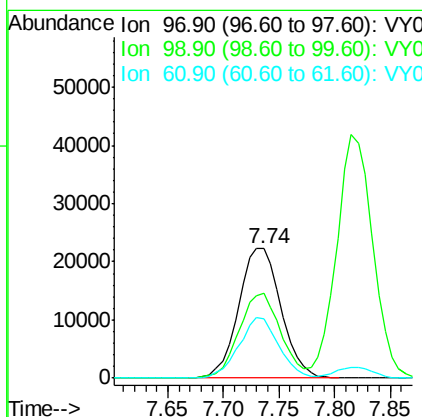
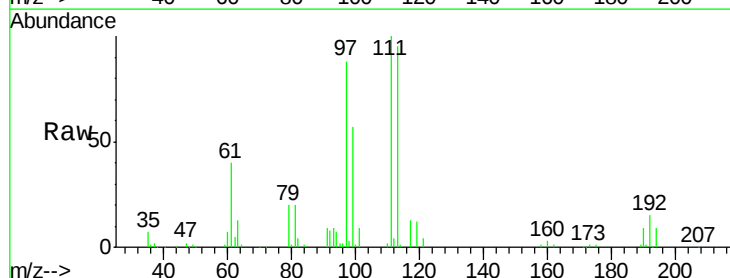
RT: 7.74 min Scan# 984

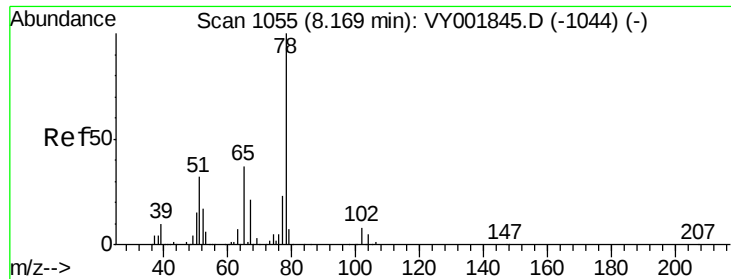
Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion:	97	Resp:	58878
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.0	78.0
61	43.8	35.0	52.4





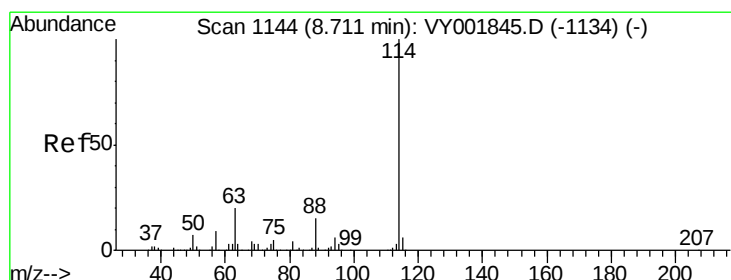
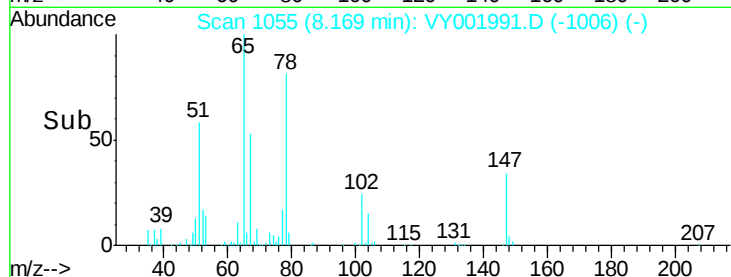
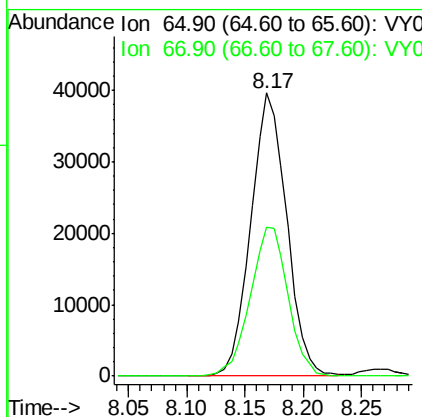
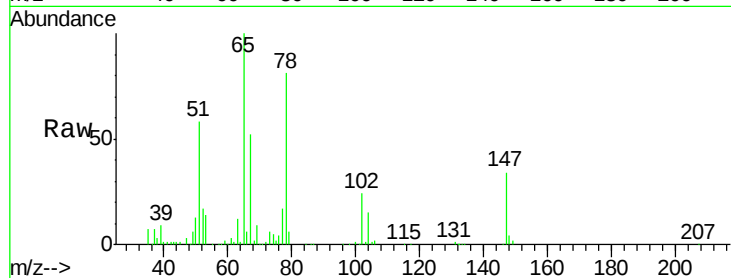
#33
 1,2-Dichloroethane-d4
 Concen: 49.535 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	110.8	

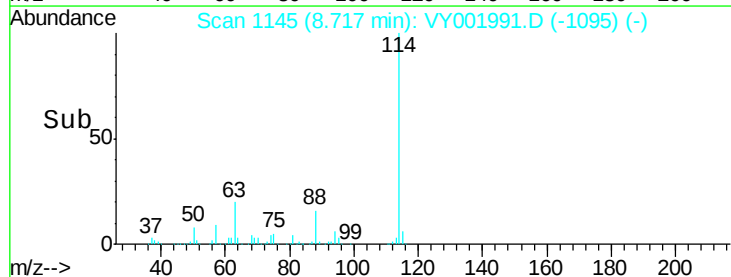
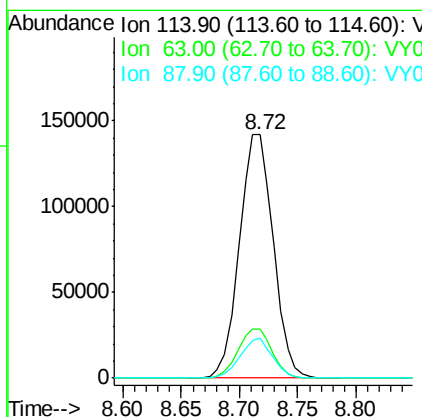
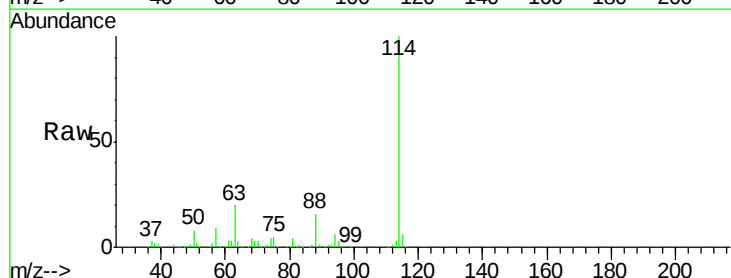
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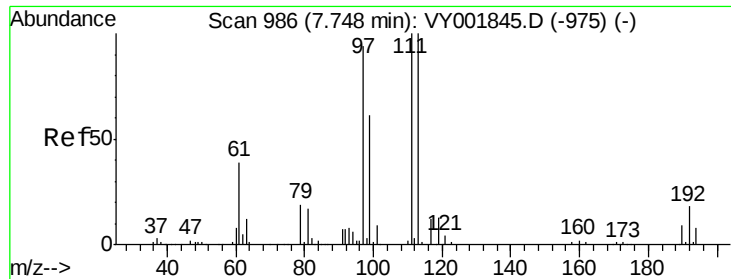
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	39.4	
88	16.5	0.0	30.4	





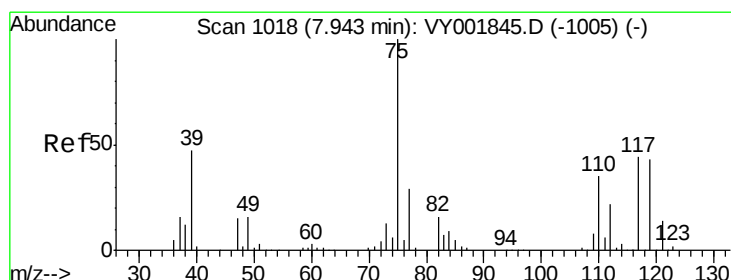
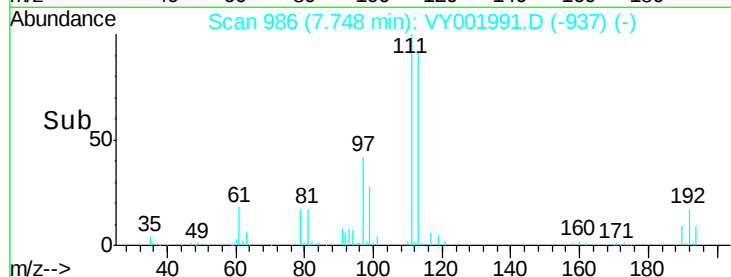
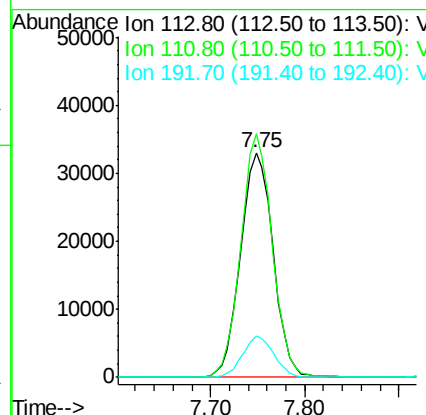
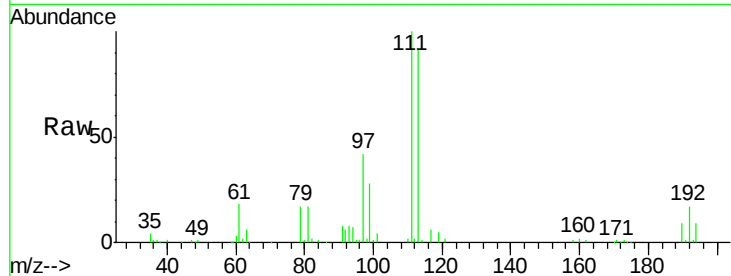
#35
 Dibromofluoromethane
 Concen: 50.891 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.8
192	17.7	14.2	21.2

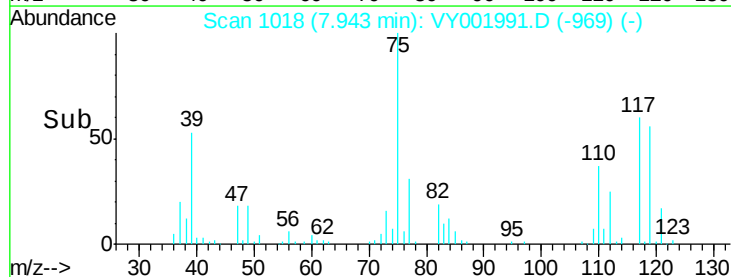
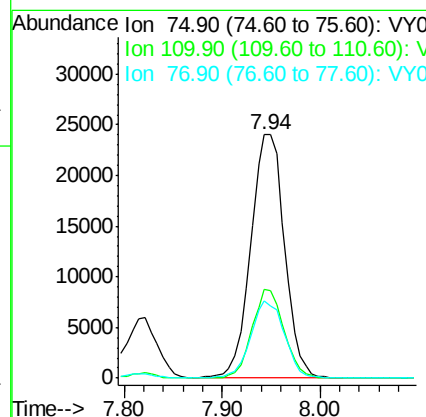
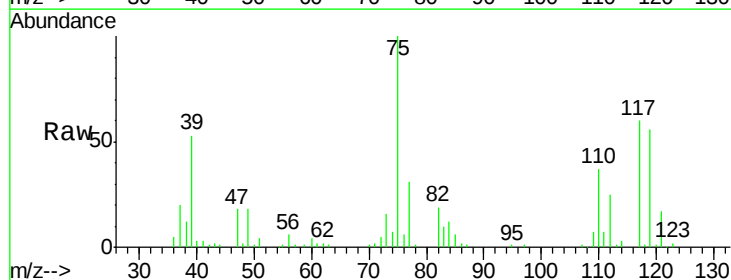
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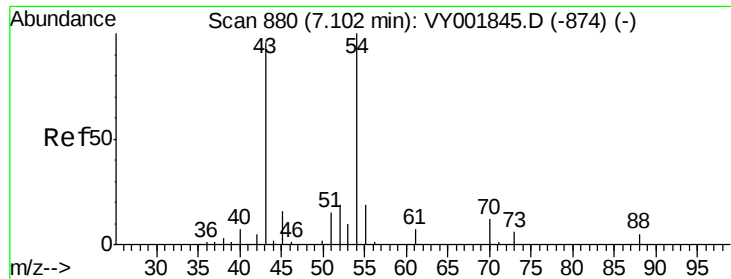
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#36
 1,1-Dichloropropene
 Concen: 20.787 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.4	52.2
77	31.7	24.2	36.2





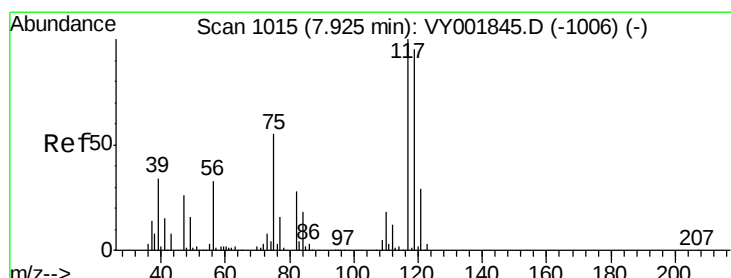
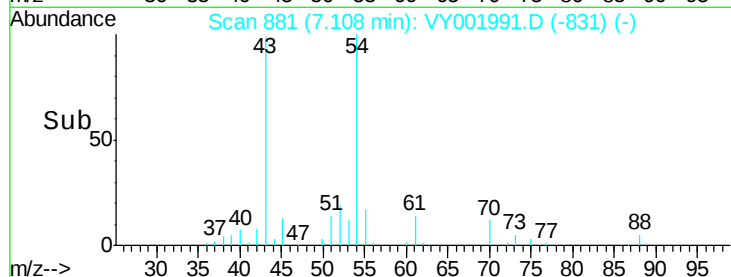
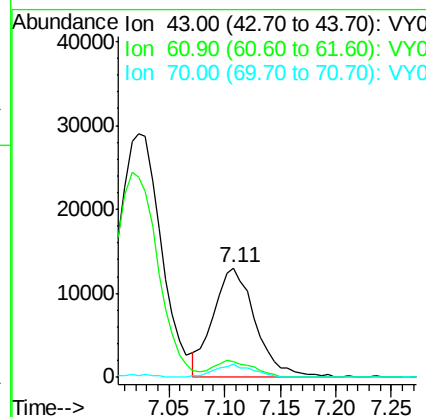
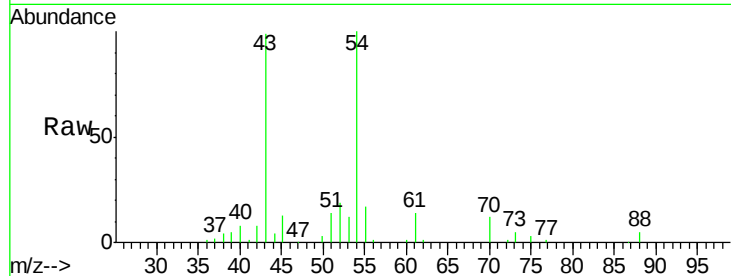
#37
Ethyl Acetate
Concen: 21.008 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.1	16.7
70	11.1	8.2	12.4

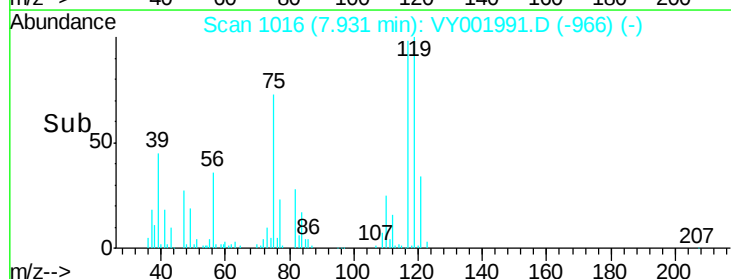
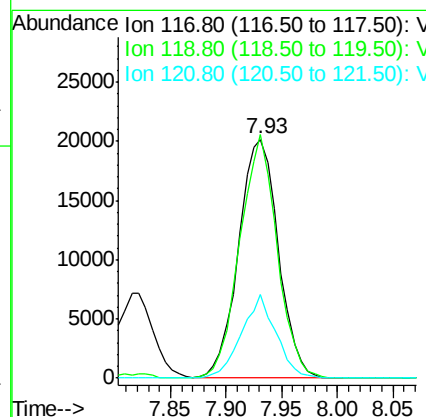
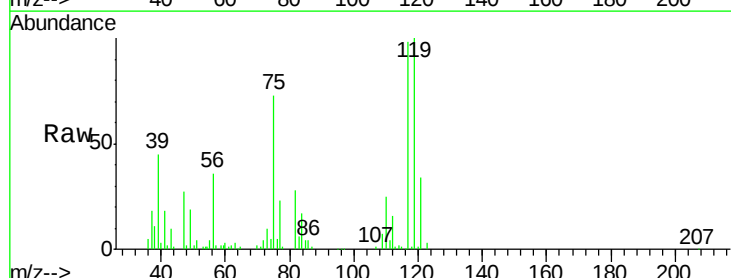
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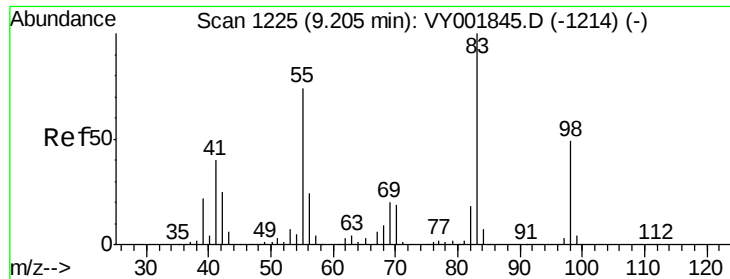
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#38
Carbon Tetrachloride
Concen: 21.166 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	76.3	114.5
121	35.0	23.5	35.3





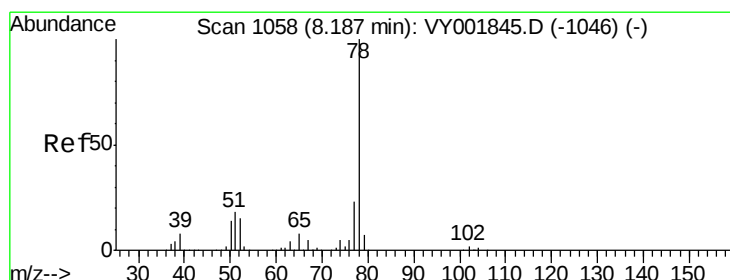
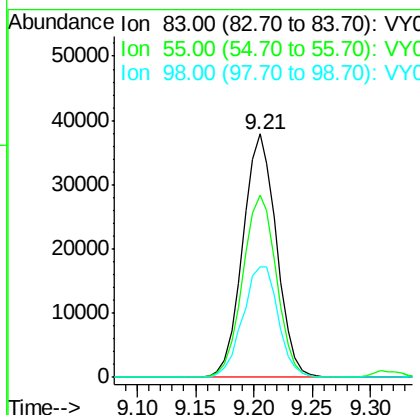
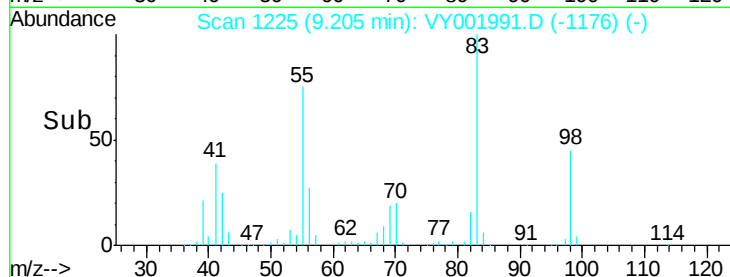
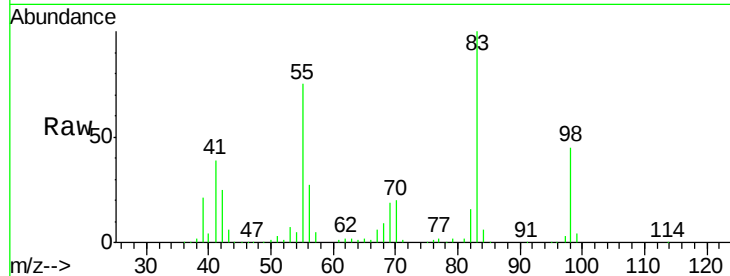
#39
Methvlcvclohexane
Concen: 20.751 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion:	83	Resp:	76222
Ion	Ratio	Lower	Upper
83	100		
55	74.7	59.4	89.0
98	45.3	38.9	58.3

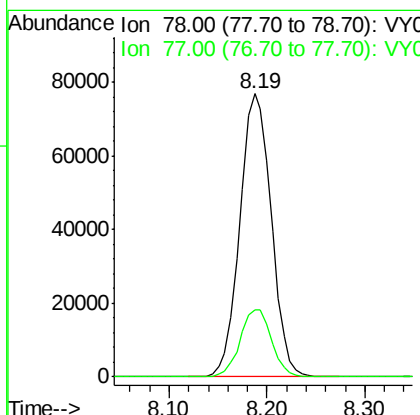
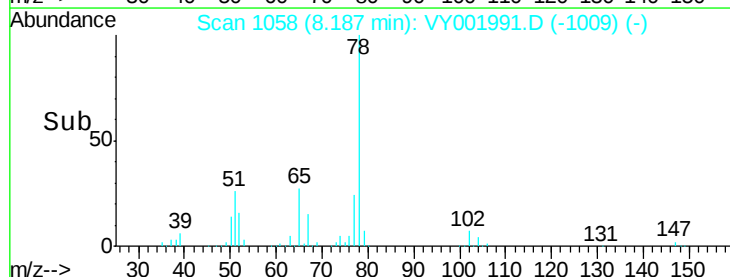
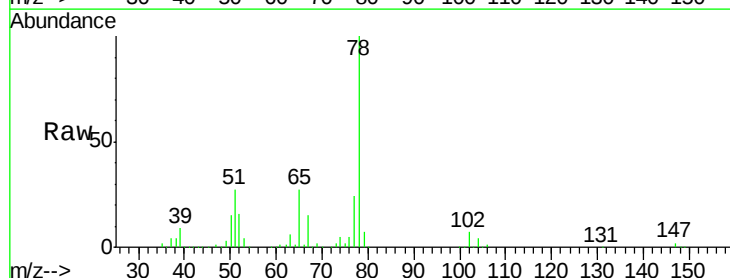
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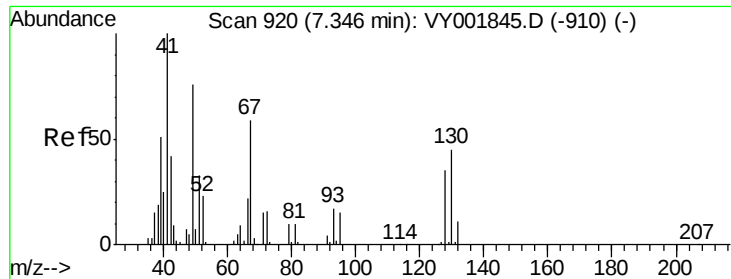
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#40
Benzene
Concen: 20.923 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion:	78	Resp:	171749
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





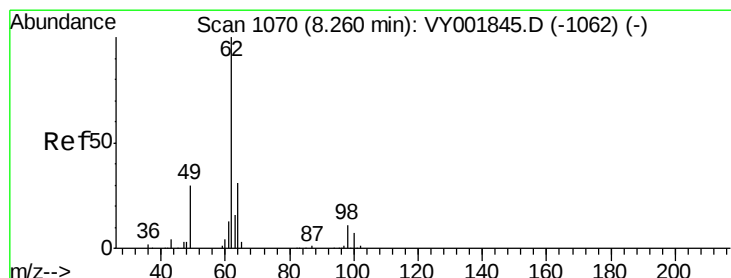
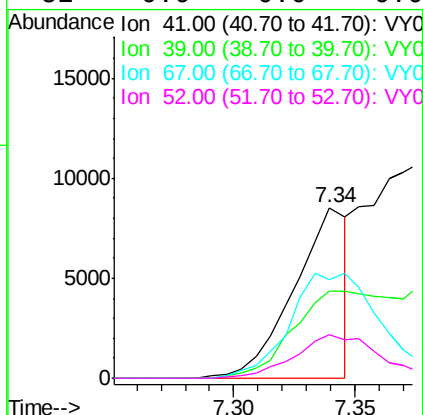
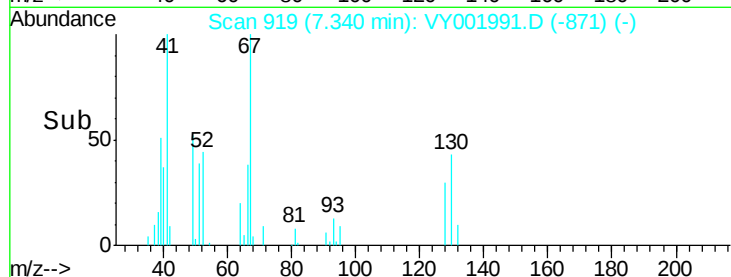
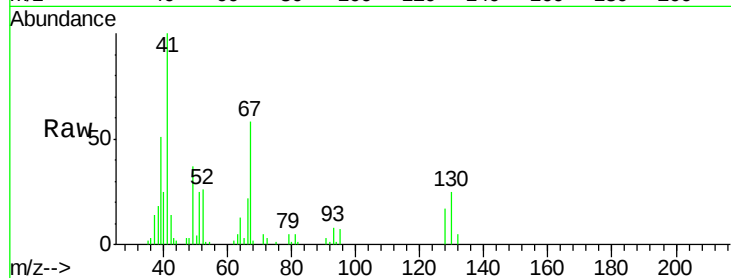
#41
Methacrylonitrile
Concen: 18.293 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	41	Resp	13251
Ion Ratio	Lower	Upper	
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

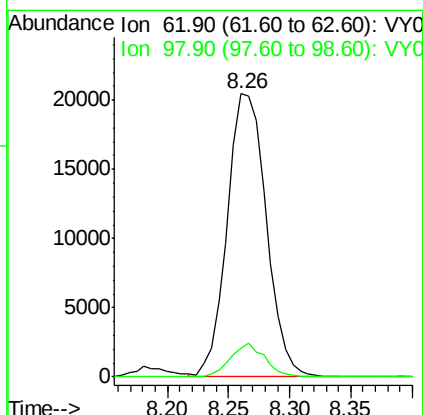
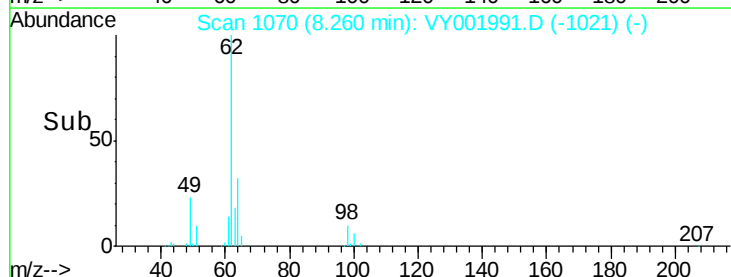
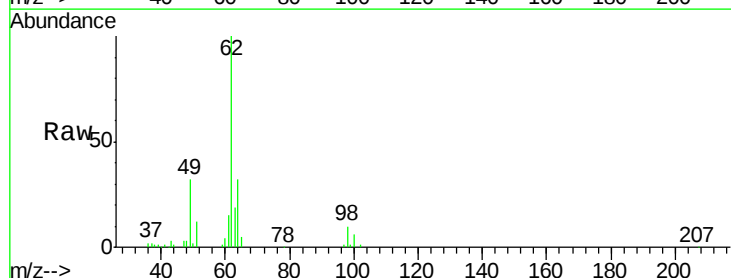
Manual Integrations
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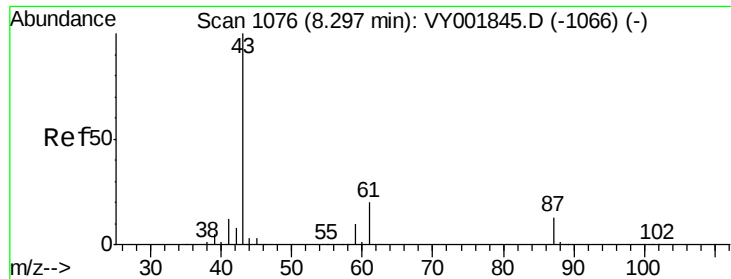
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#42
1,2-Dichloroethane
Concen: 21.477 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	62	Resp	45429
Ion Ratio	Lower	Upper	
62	100		
98	10.4	0.0	21.4





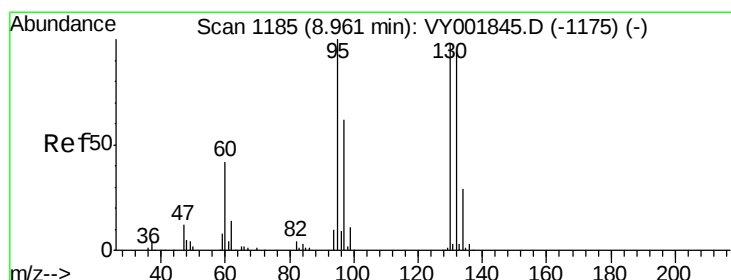
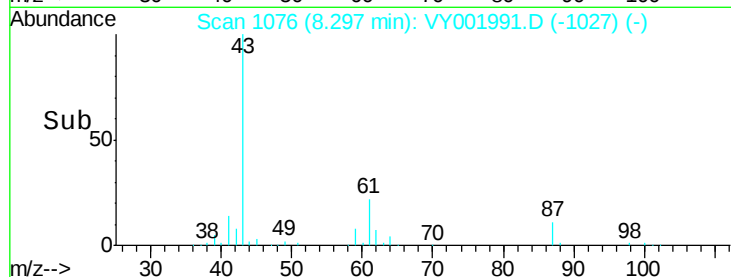
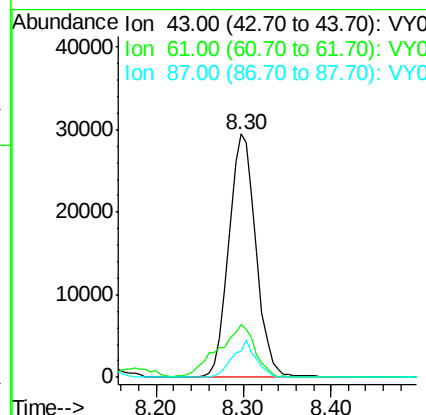
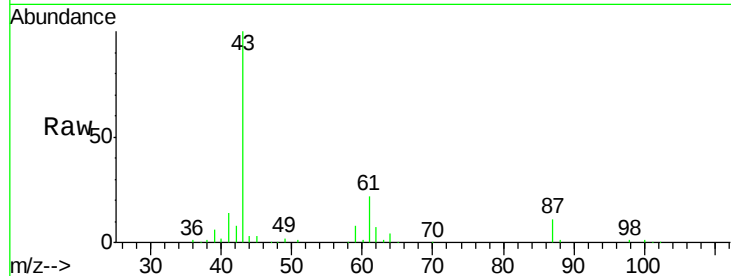
#43
Isopropyl Acetate
Concen: 20.812 ug/l
RT: 8.30 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.8	35.6
87	12.8	10.9	16.3

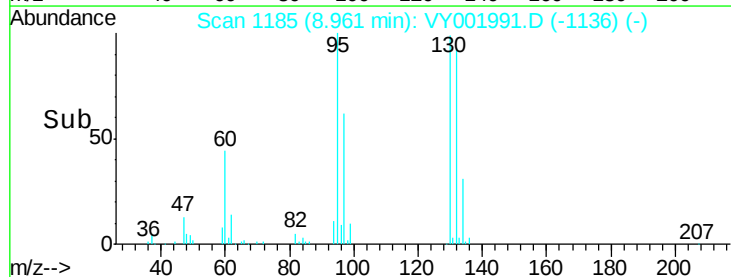
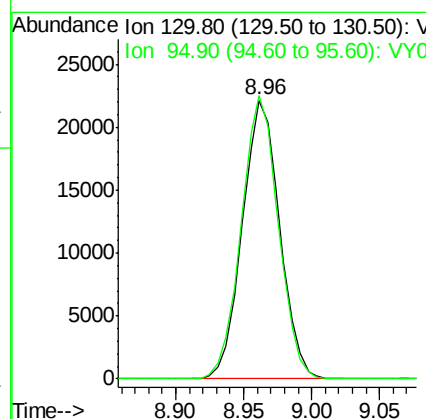
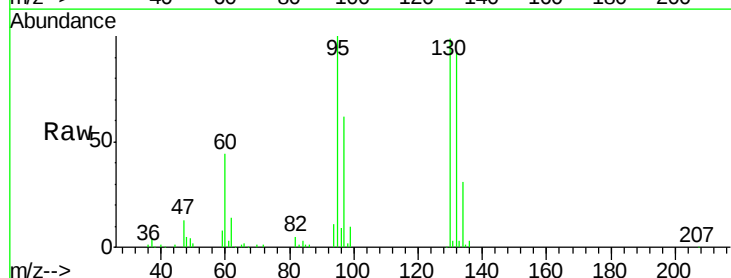
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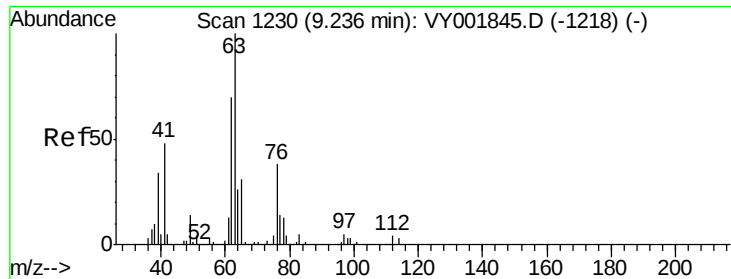
MMDadoda
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#44
Trichloroethene
Concen: 21.231 ug/l
RT: 8.96 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	204.6





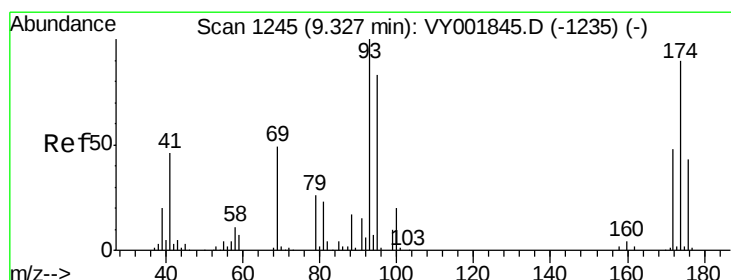
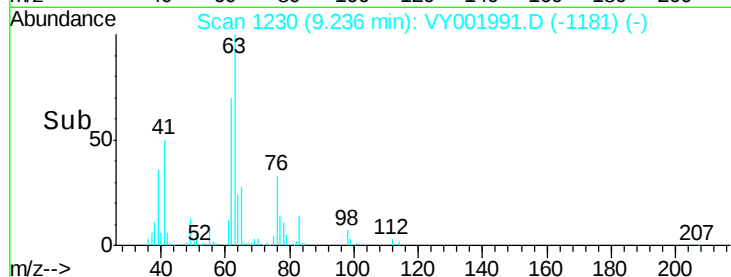
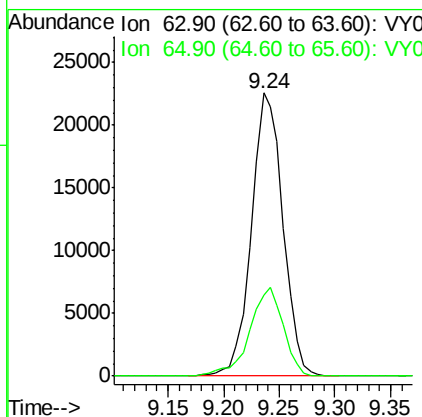
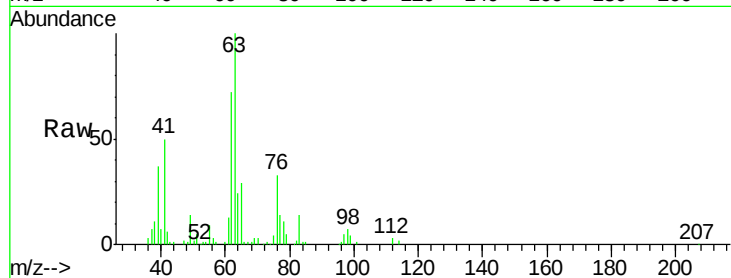
#45
 1,2-Dichloropropane
 Concen: 21.555 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Tot Ion: 63 Resp: 44478
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.9 37.3

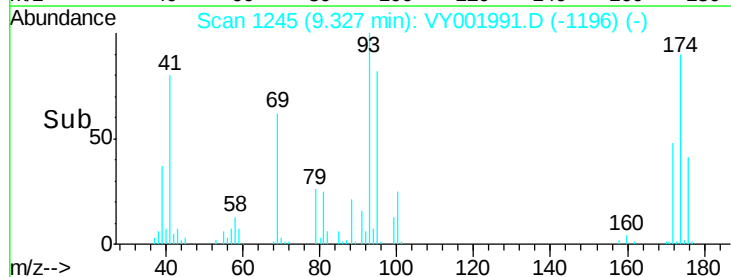
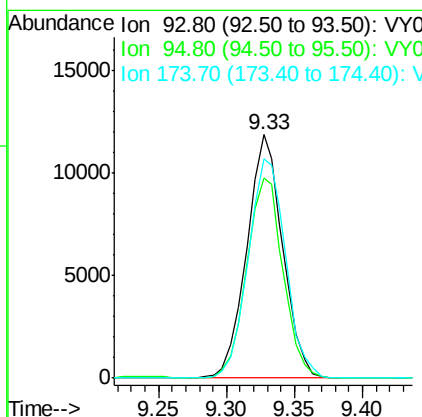
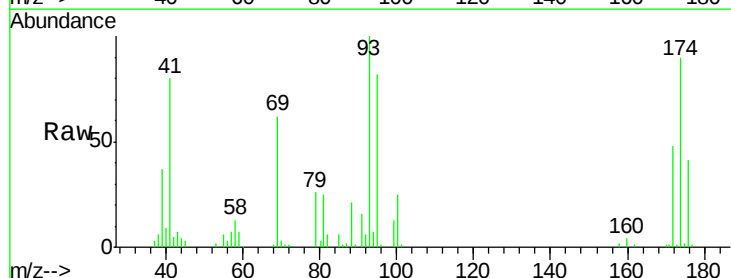
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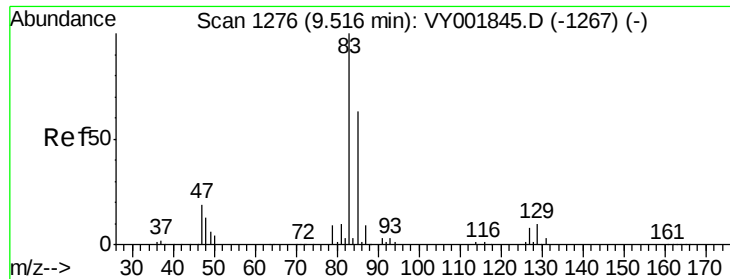
MMDadoda
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#46
 Dibromomethane
 Concen: 20.596 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion: 93 Resp: 21901
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.4
 174 93.7 71.8 107.8





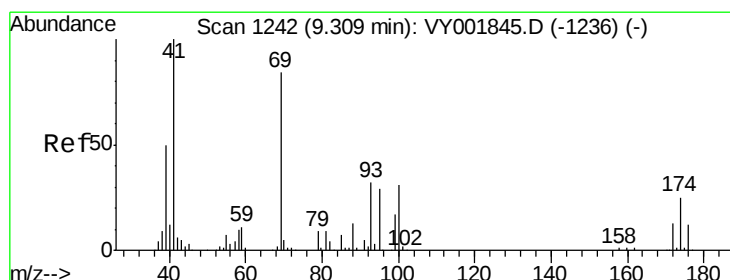
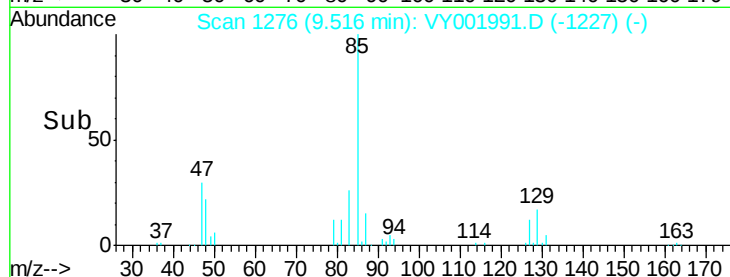
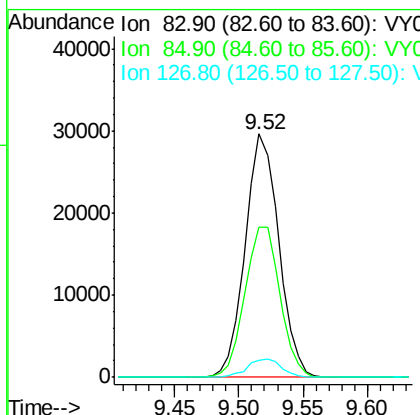
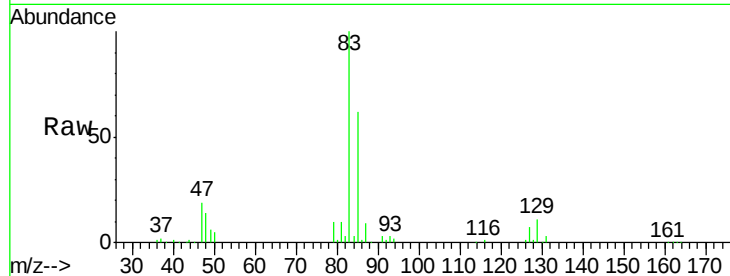
#47
Bromodichloromethane
Concen: 21.590 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	83	Resp	53406
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	50.6	76.0
127	7.1	6.2	9.4

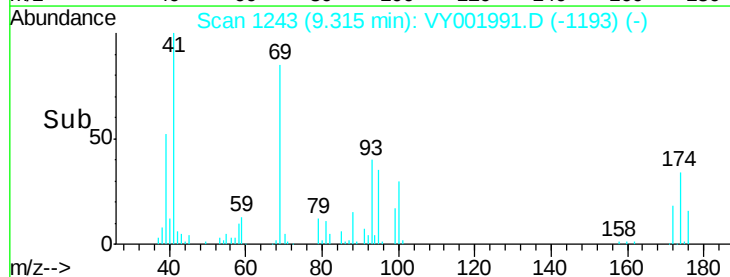
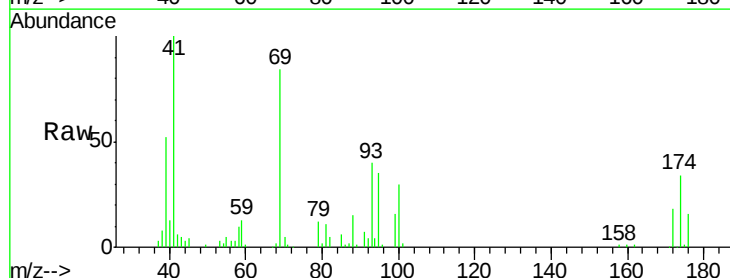
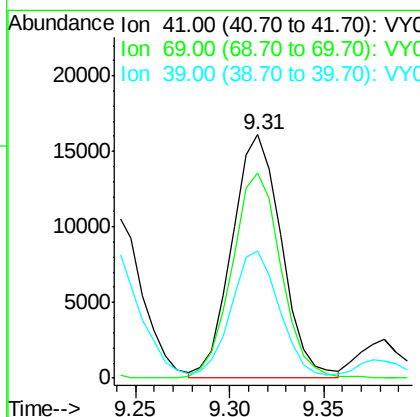
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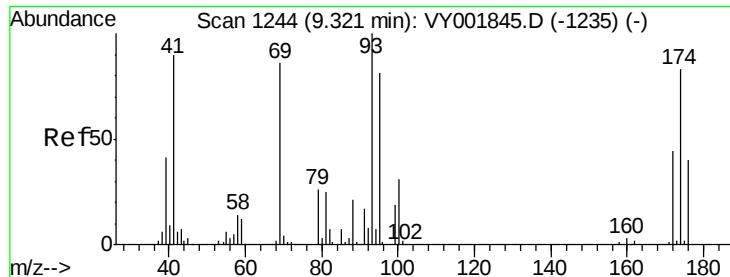
MMDadoda
3/18/2020 11:13:07 AM



#48
Methyl methacrylate
Concen: 21.747 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	41	Resp	29407
Ion Ratio	100	Lower	Upper
41	100		
69	83.2	69.0	103.6
39	48.7	39.1	58.7





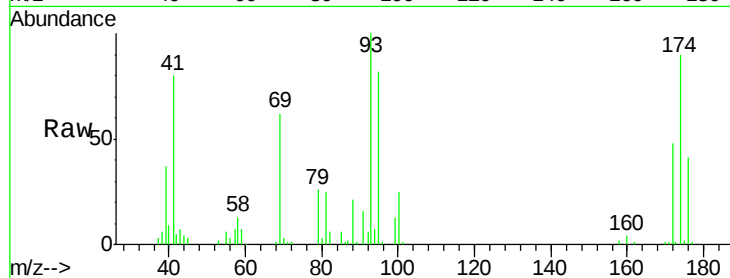
#49
 1,4-Dioxane
 Concen: 425.848 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

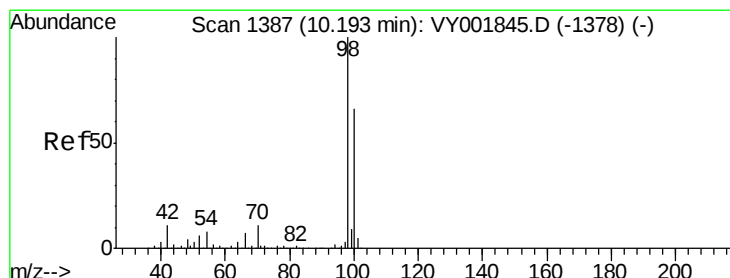
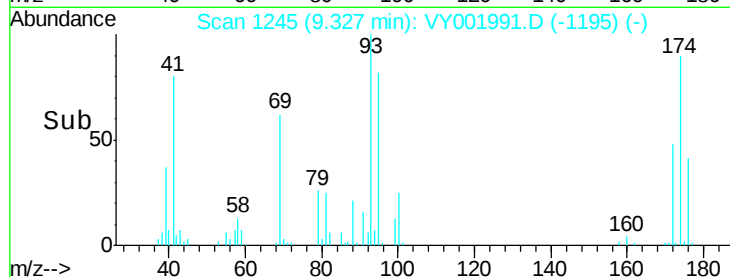
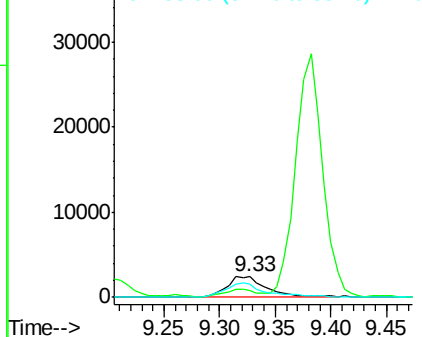
Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	25.0	37.6
58	72.0	58.9	88.3

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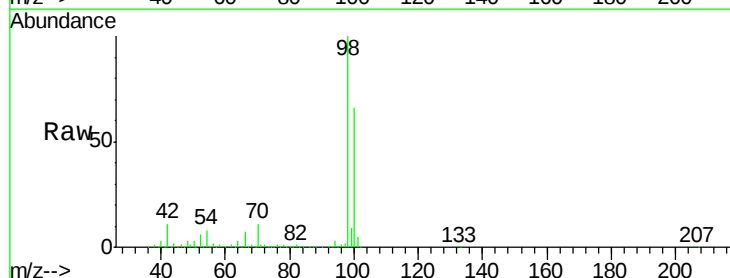


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

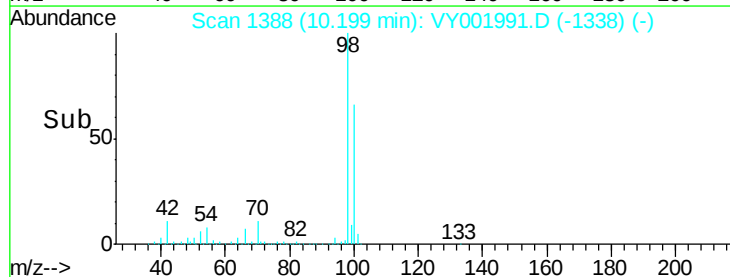
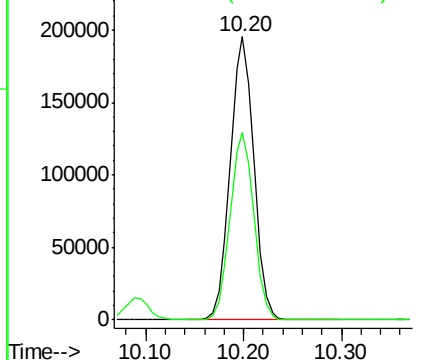


#50
 Toluene-d8
 Concen: 49.401 ug/l
 RT: 10.20 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





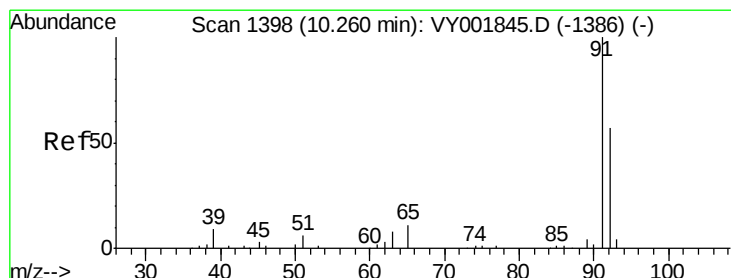
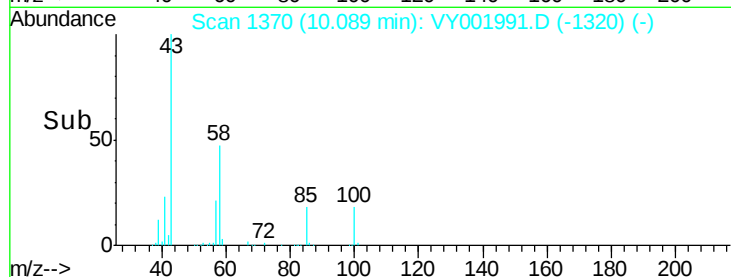
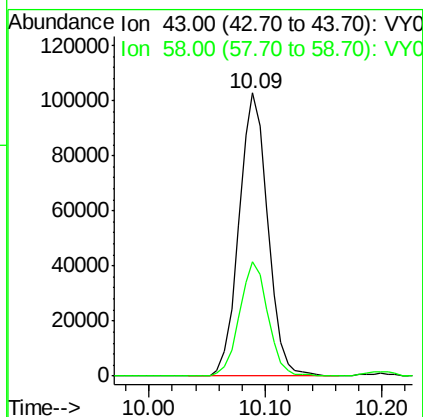
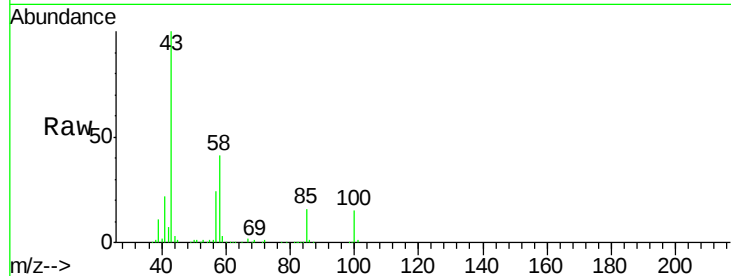
#51
4-Methyl-2-Pentanone
Concen: 112.811 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion: 43 Resp: 177074
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0

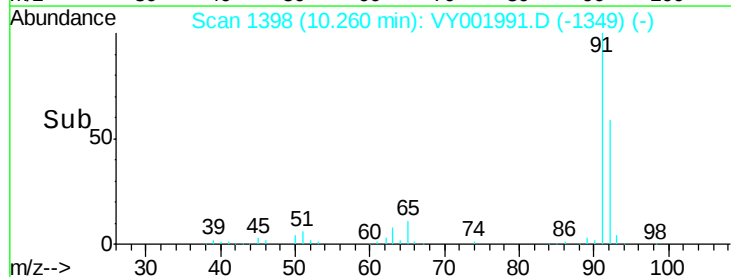
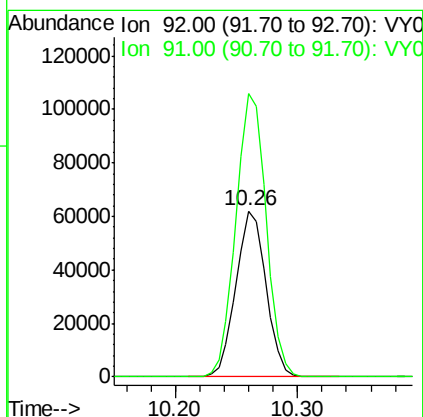
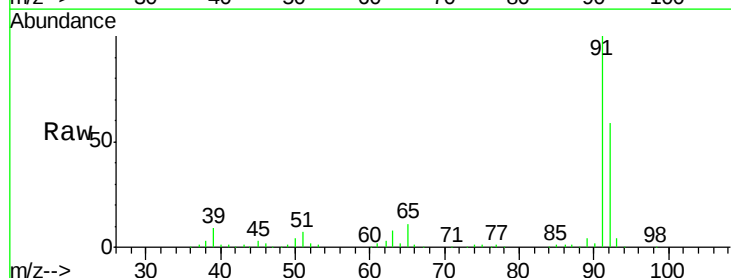
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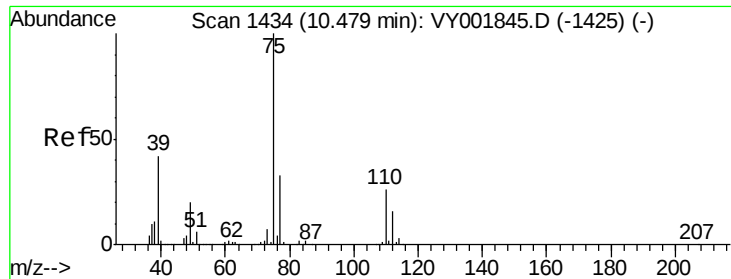
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#52
Toluene
Concen: 21.147 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion: 92 Resp: 105452
Ion Ratio Lower Upper
92 100
91 172.5 138.6 208.0





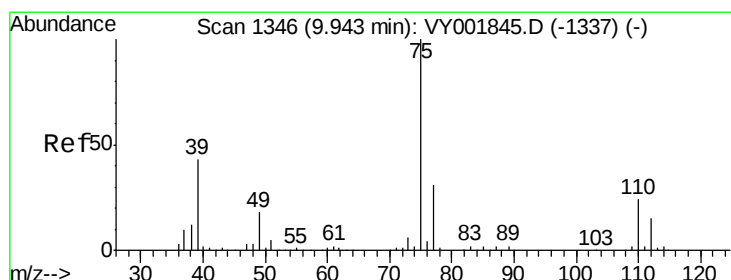
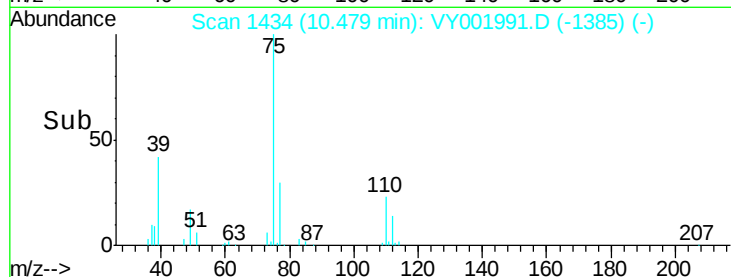
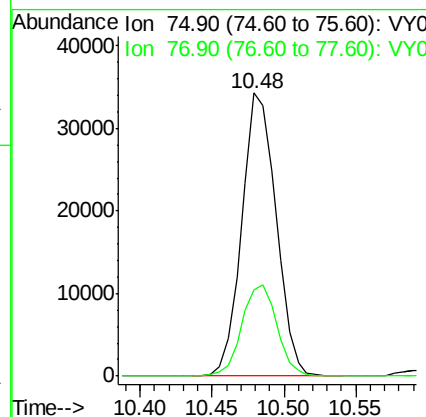
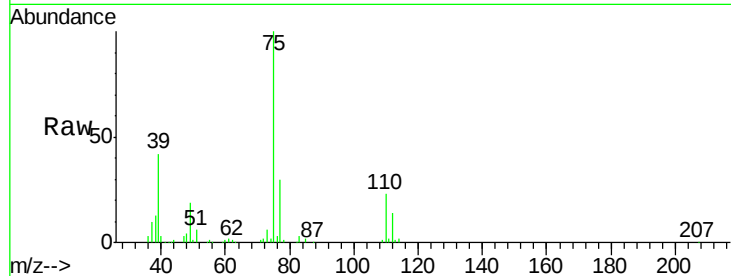
#53
t-1,3-Dichloropropene
Concen: 21.007 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.3	39.5

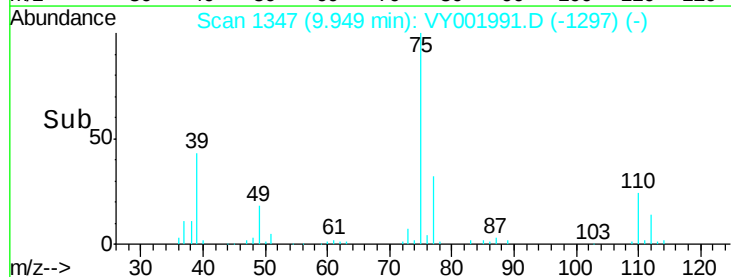
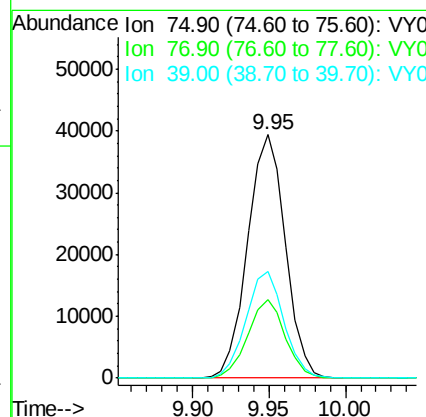
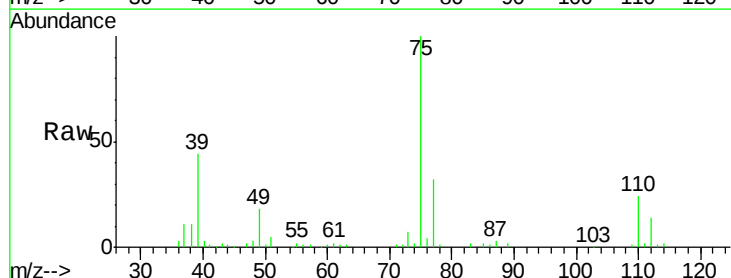
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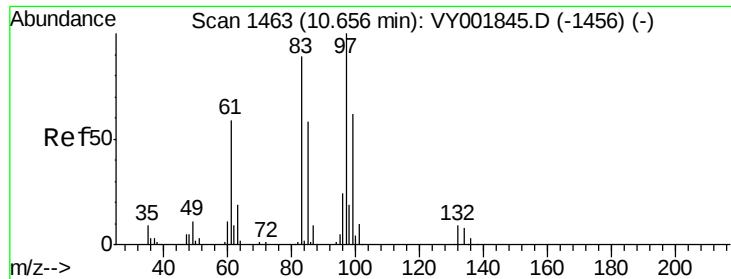
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#54
cis-1,3-Dichloropropene
Concen: 21.064 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.1	37.7
39	43.9	34.7	52.1





#55

1,1,2-Trichloroethane

Concen: 21.408 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 97 Resp: 33316

Ion Ratio Lower Upper

97 100

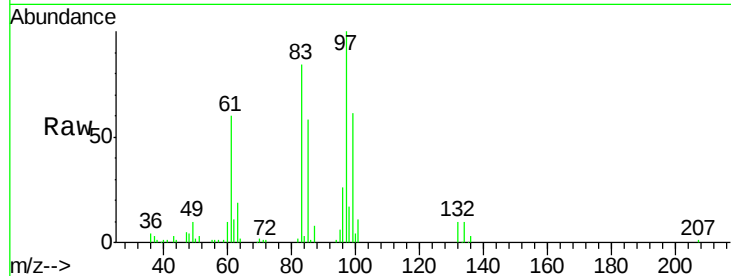
83 84.4 71.6 107.4

85 58.2 46.6 69.8

99 61.1 49.8 74.6

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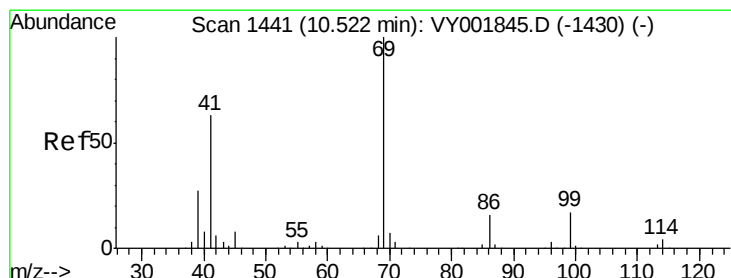
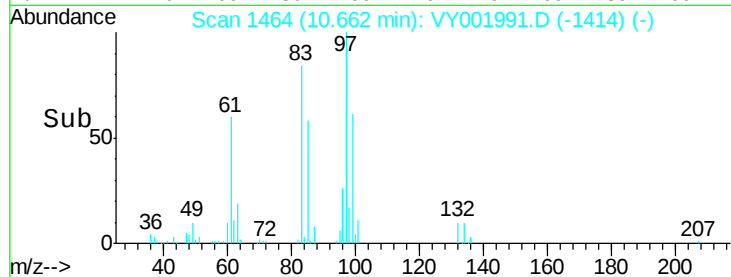
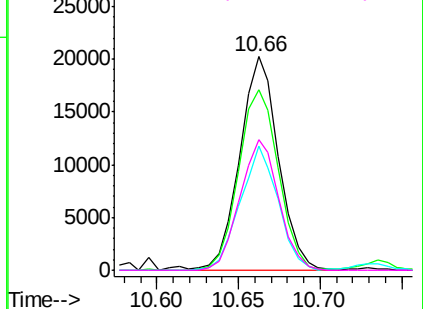
Abundance

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: 20.829 ug/l

RT: 10.53 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion: 69 Resp: 47513

Ion Ratio Lower Upper

69 100

41 65.7 49.9 74.9

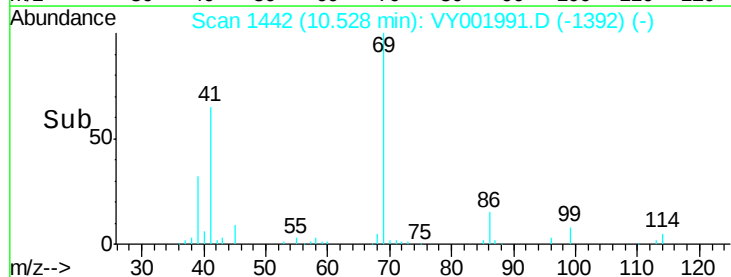
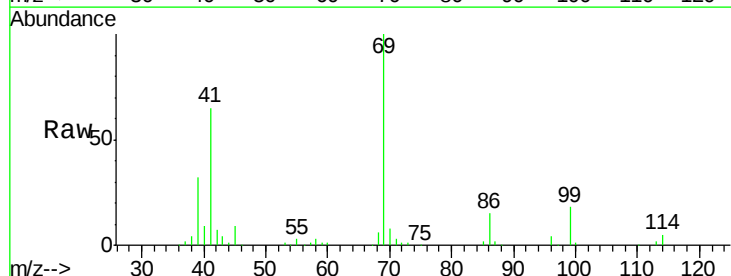
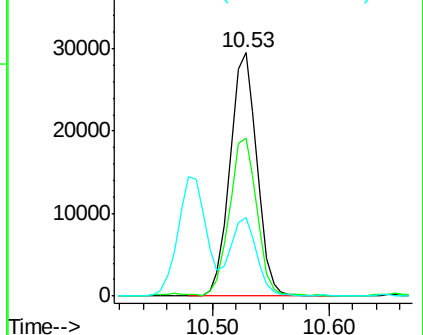
39 32.2 23.0 34.6

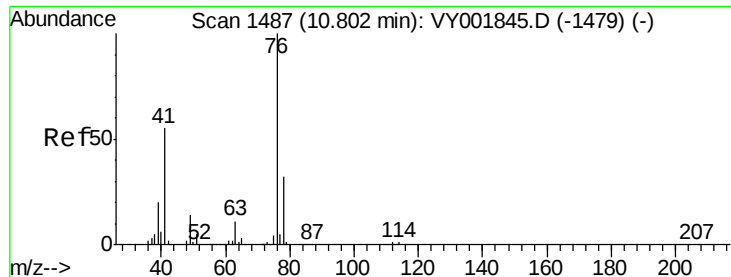
Abundance

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: 20.879 ug/l

RT: 10.81 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 76 Resp: 57919

Ion Ratio Lower Upper

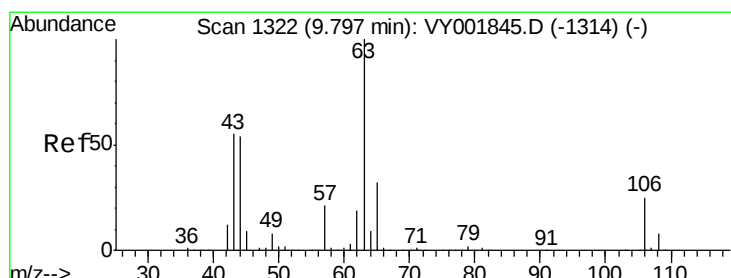
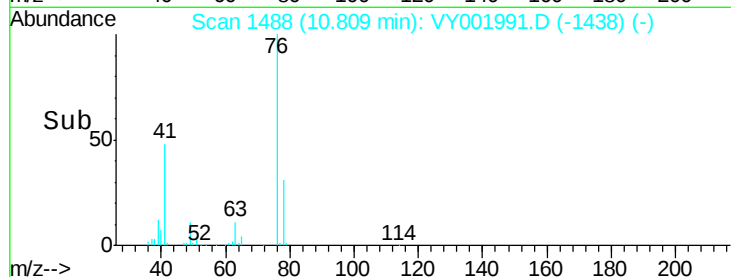
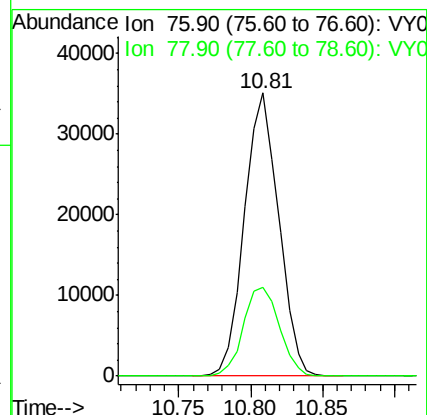
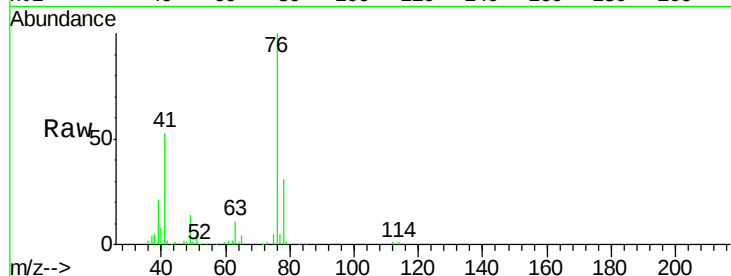
76 100

78 33.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 142.533 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VY001991.D

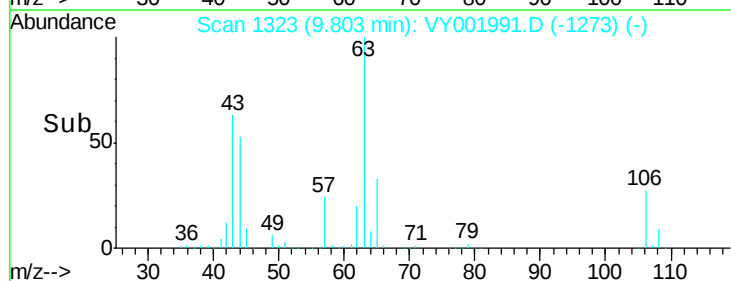
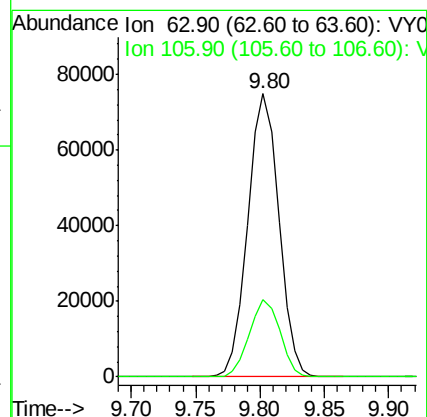
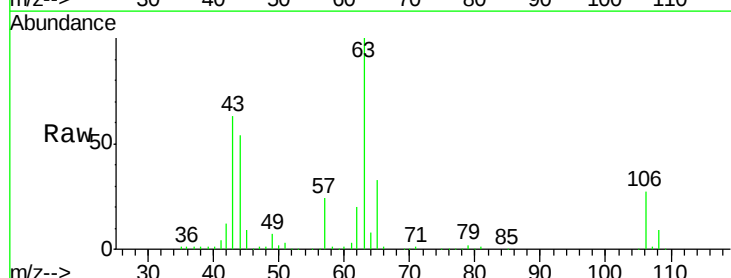
Acq: 17 Mar 2020 11:00

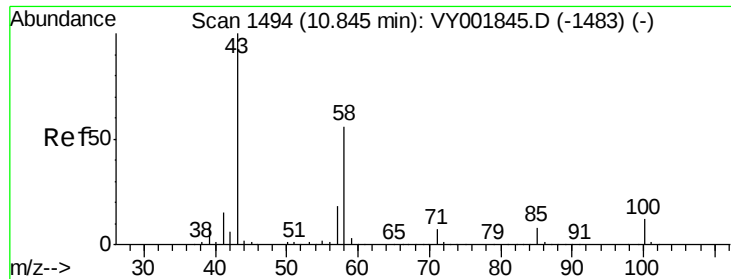
Tgt Ion: 63 Resp: 124676

Ion Ratio Lower Upper

63 100

106 27.1 21.3 31.9





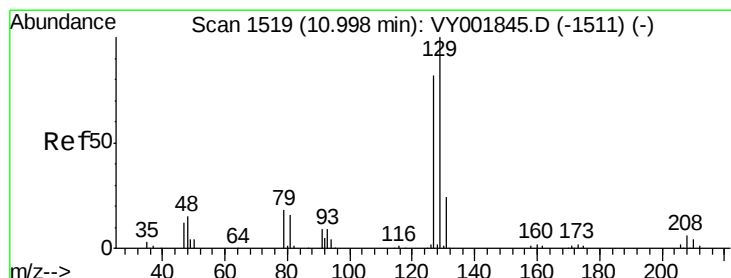
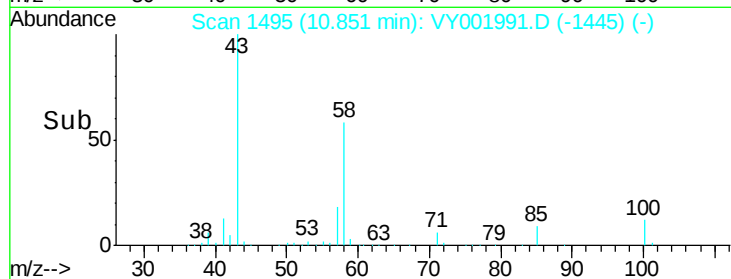
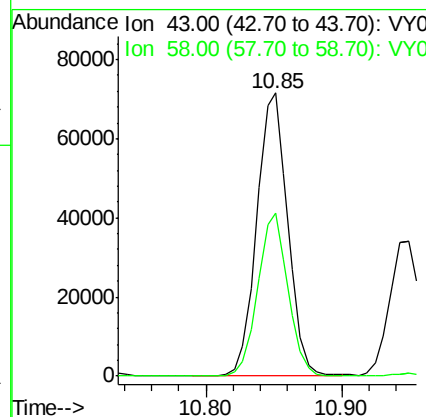
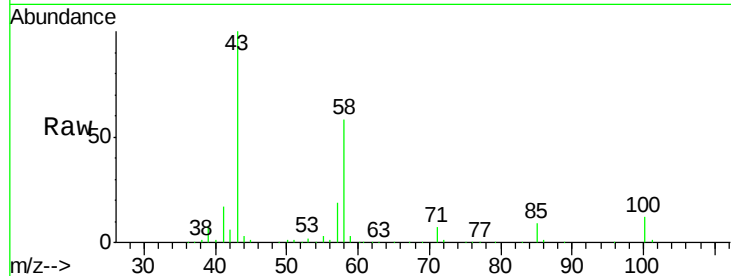
#59
2-Hexanone
Concen: 102.084 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion: 43 Resp: 114369
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3

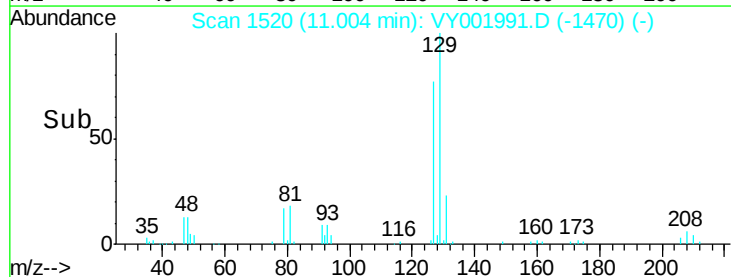
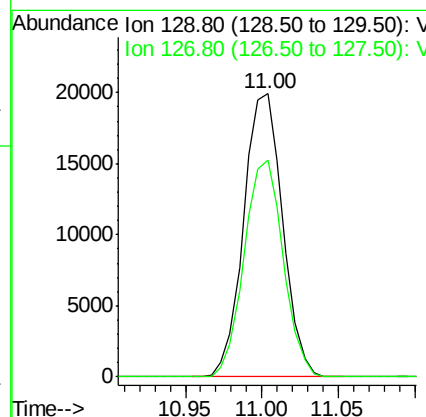
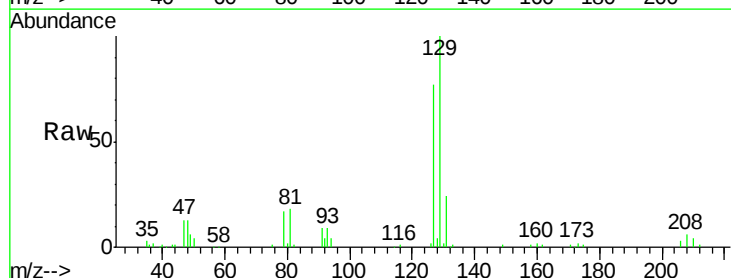
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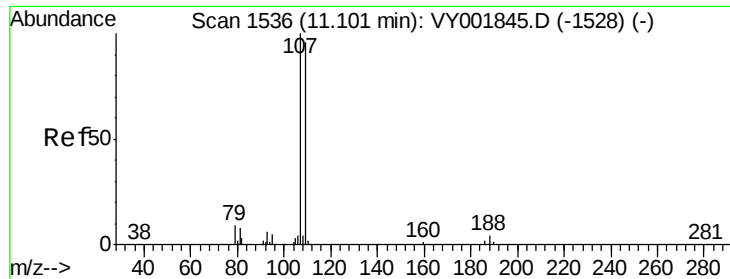
MMDadoda
3/18/2020 11:13:07 AM



#60
Dibromochloromethane
Concen: 21.481 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion: 129 Resp: 35226
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0





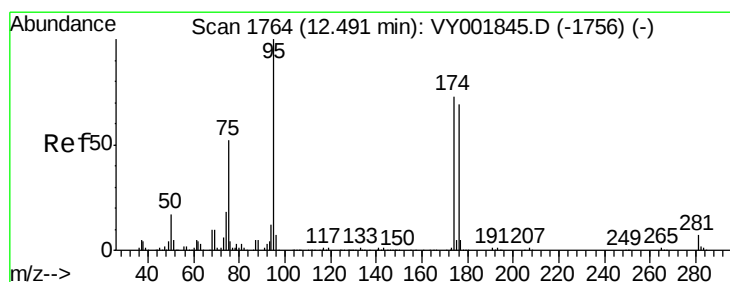
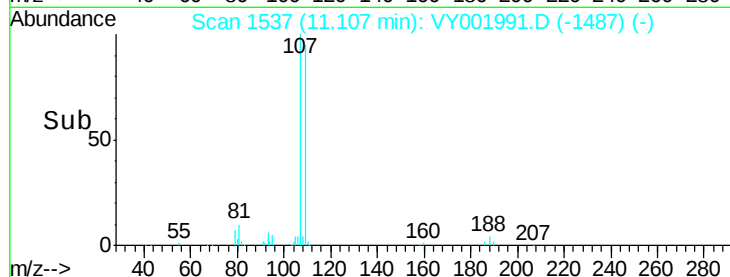
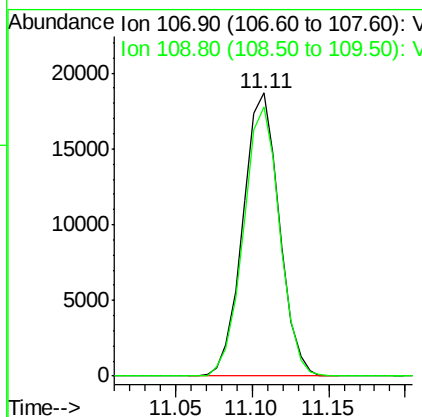
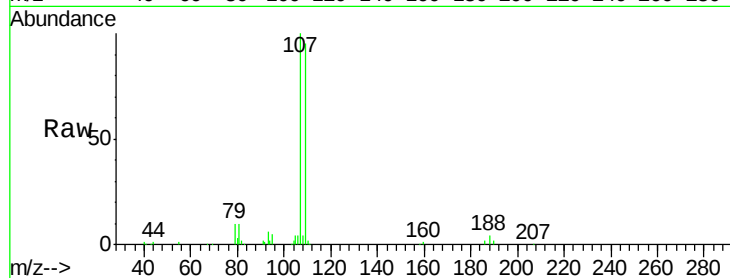
#61
 1,2-Dibromoethane
 Concen: 20.927 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	30849		
109	109	94.6	75.4	113.0	

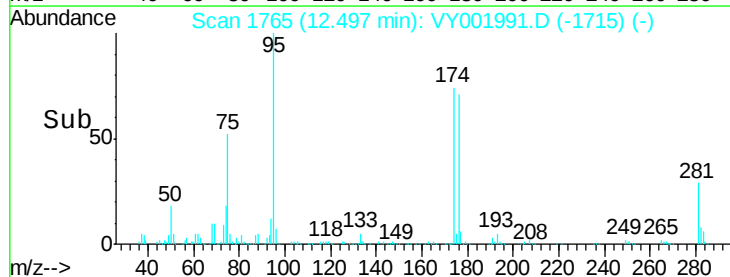
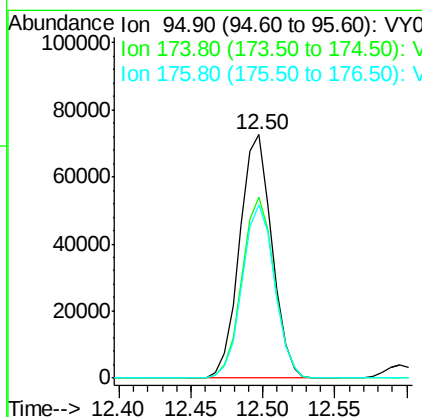
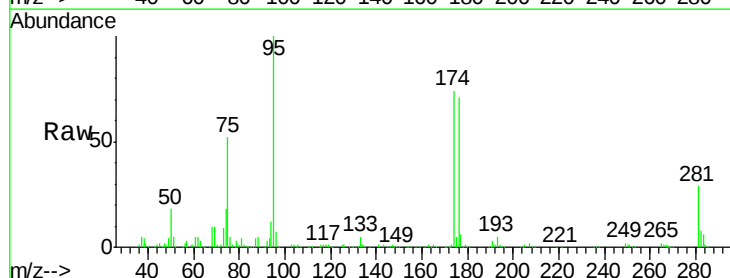
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#62
 4-Bromofluorobenzene
 Concen: 49.003 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	112911		
174	174	74.2	0.0	145.0	
176	176	71.2	0.0	137.4	





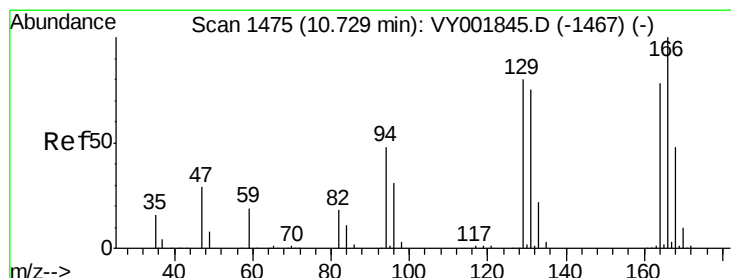
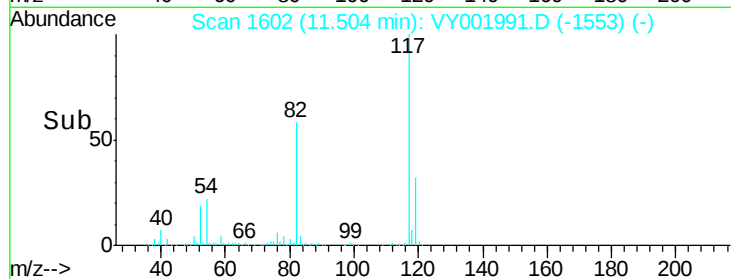
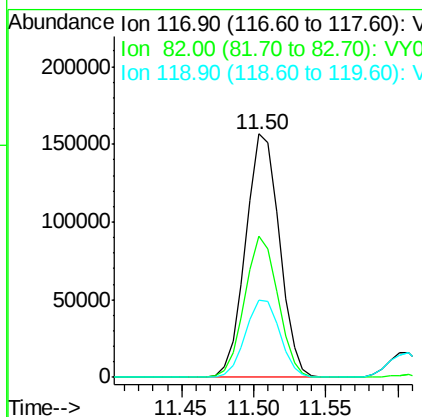
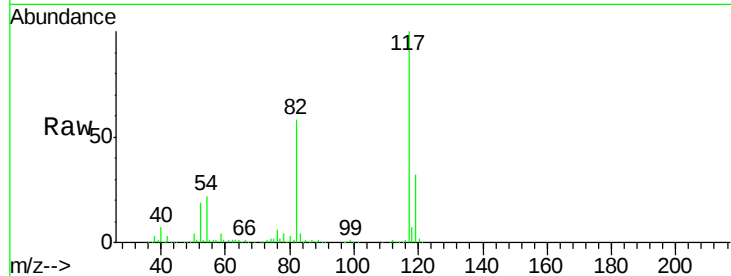
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255092		
82	58.2	44.5	66.7	
119	31.6	25.7	38.5	

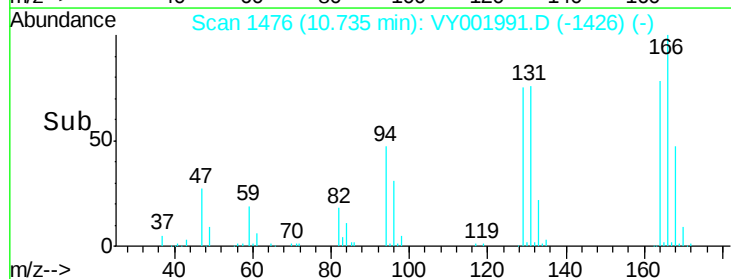
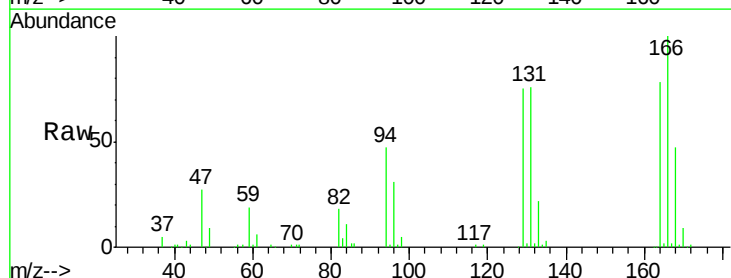
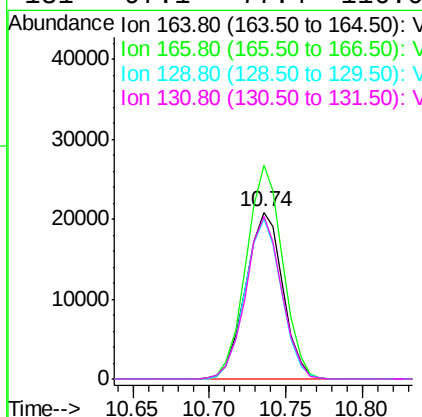
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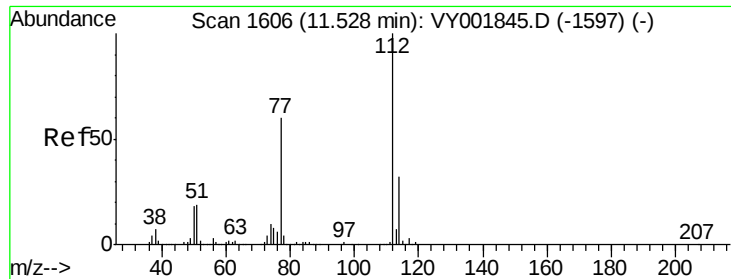
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#64
Tetrachloroethene
Concen: 21.951 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35116		
166	127.9	102.6	154.0	
129	95.7	82.3	123.5	
131	97.1	77.4	116.0	





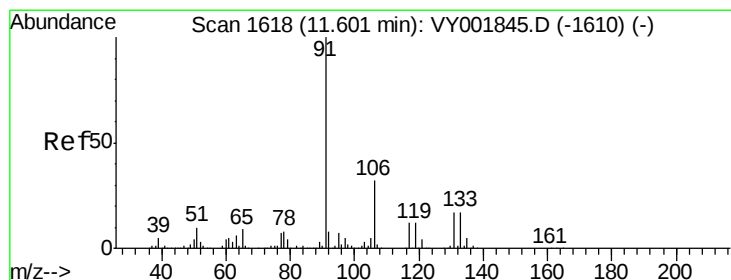
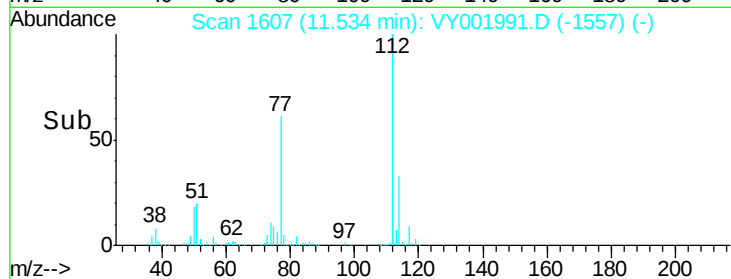
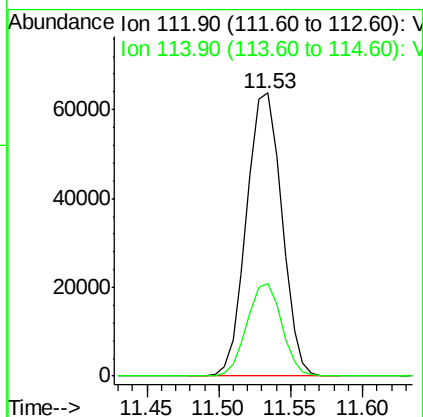
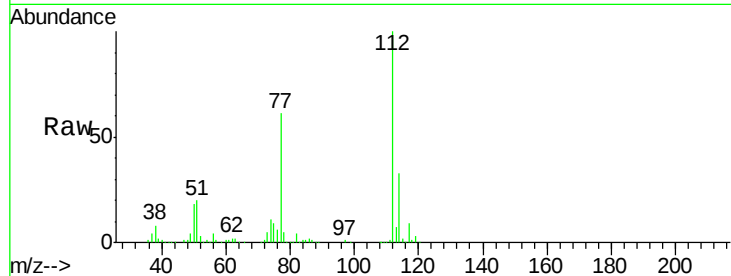
#65
Chlorobenzene
Concen: 21.252 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	108020		
114	32.8	25.9	38.9	

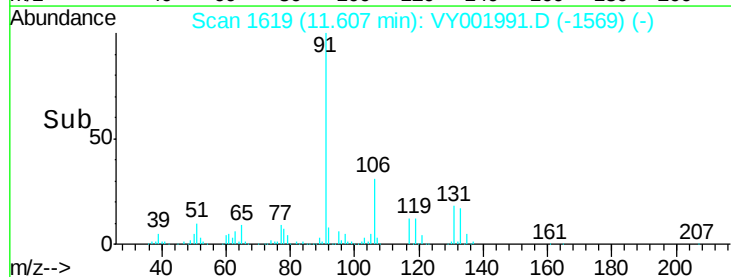
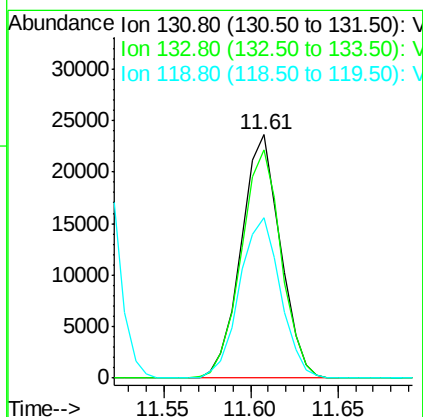
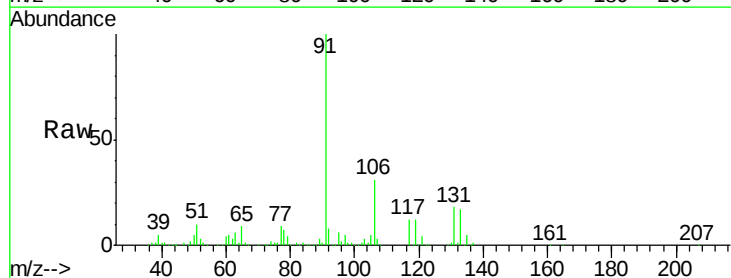
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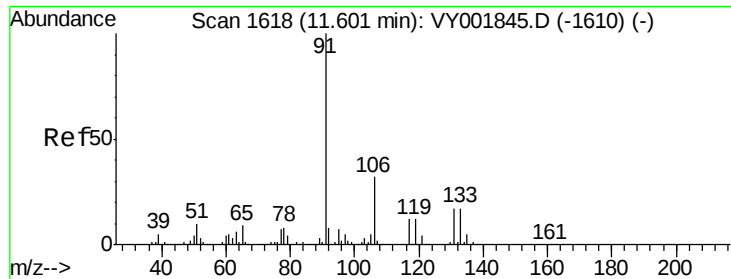
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.178 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	36966		
133	95.5	47.1	141.3	
119	68.9	34.5	103.6	





#67

Ethyl Benzene

Concen: 21.225 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 91 Resp: 201201

Ion Ratio Lower Upper

91 100

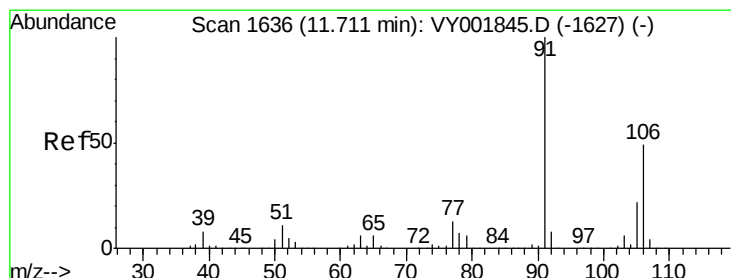
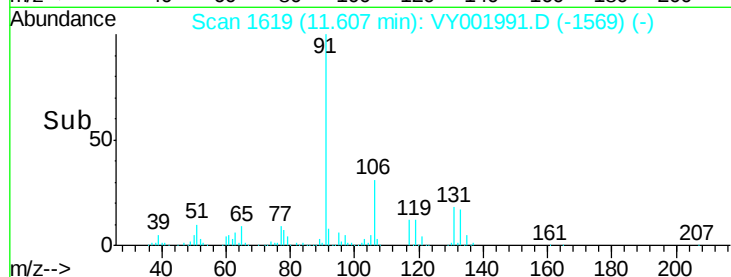
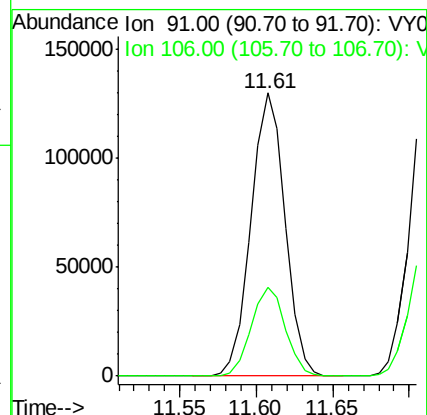
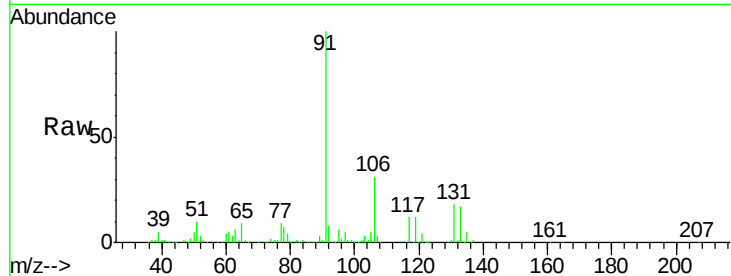
106 31.3 25.4 38.2

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#68

m/p-Xylenes

Concen: 42.955 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VY001991.D

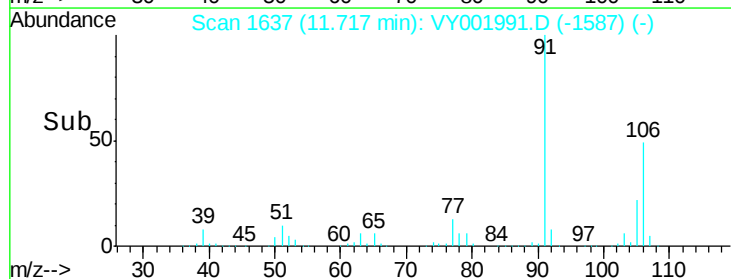
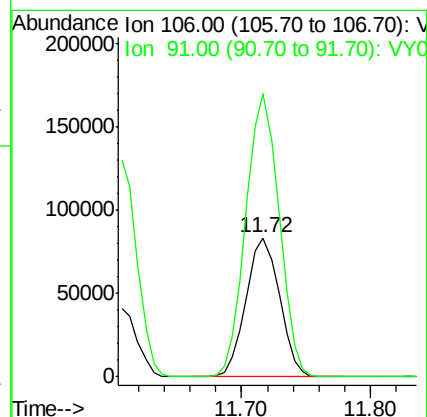
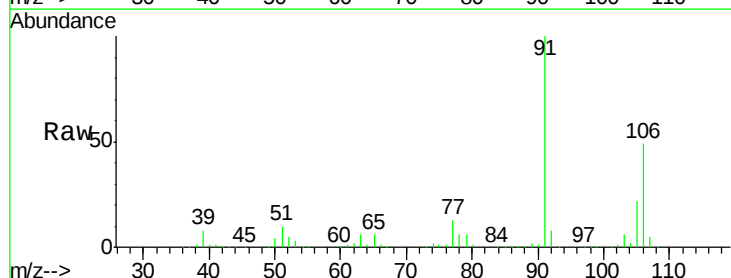
Acq: 17 Mar 2020 11:00

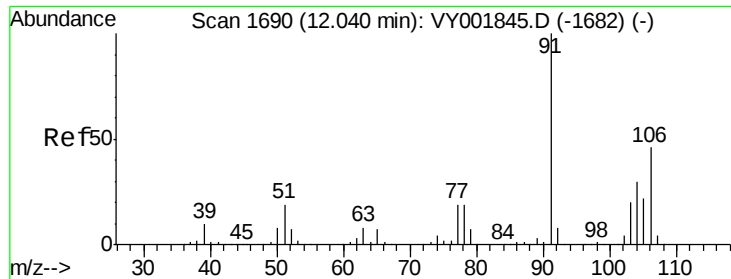
Tgt Ion: 106 Resp: 150540

Ion Ratio Lower Upper

106 100

91 202.3 161.3 241.9





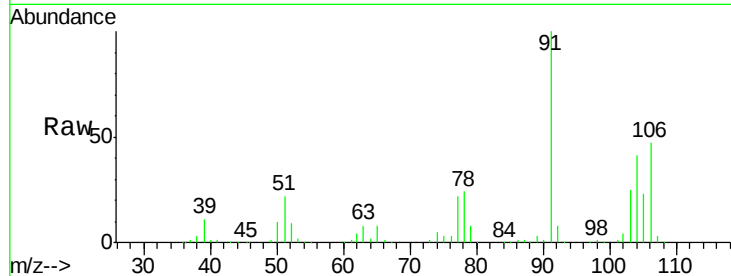
#69
o-Xylene
Concen: 21.217 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

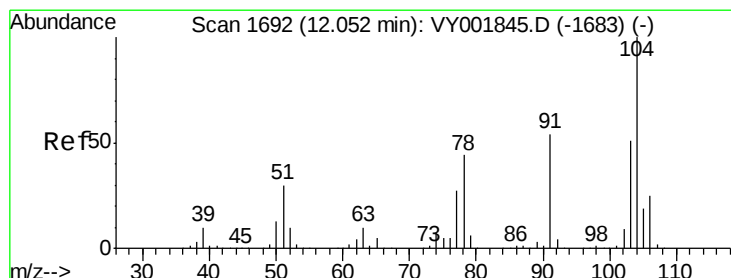
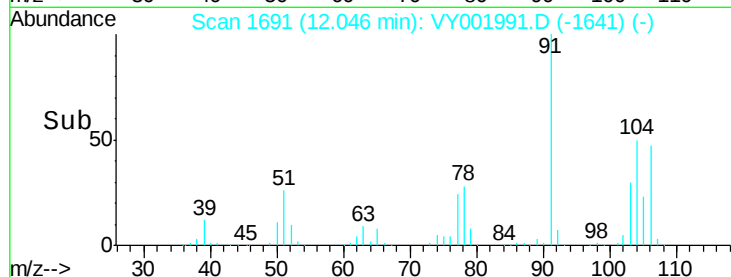
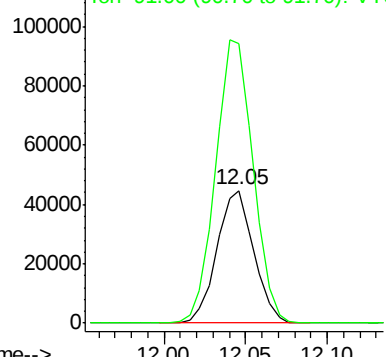
Tot Ion:106 Resp: 70083
Ion Ratio Lower Upper
106 100
91 218.4 106.8 320.4

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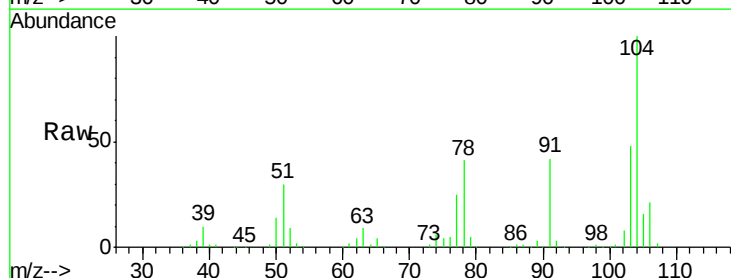


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

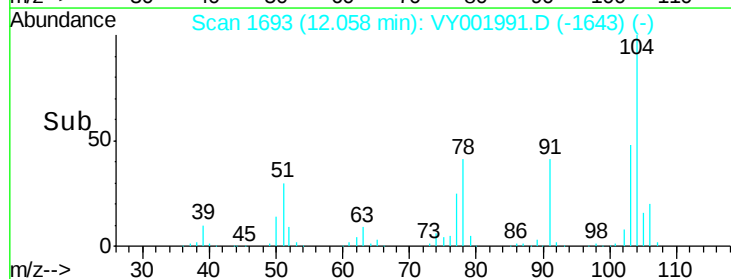
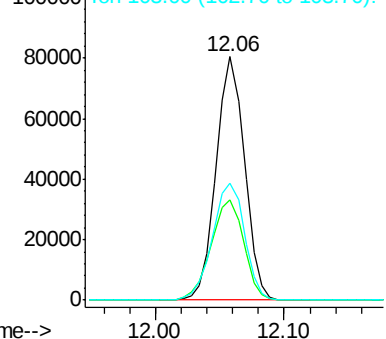


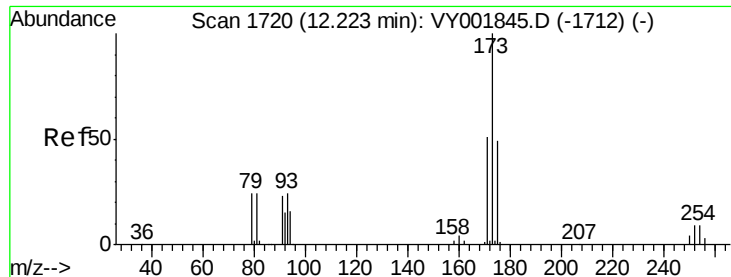
#70
Styrene
Concen: 21.658 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion:104 Resp: 122527
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.6 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





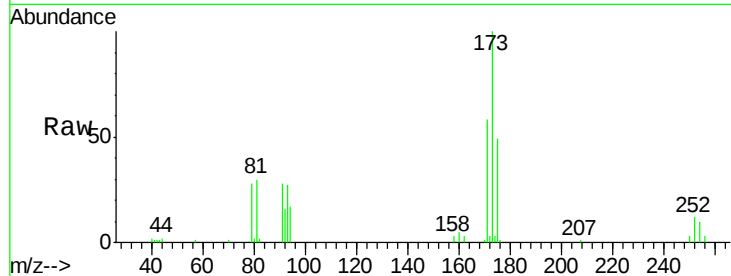
#71
Bromoform
Concen: 21.145 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.0	0.0	0.0

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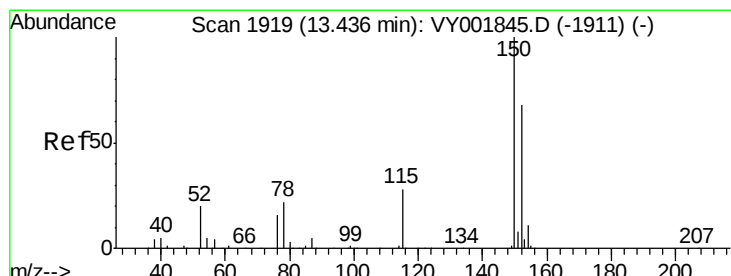
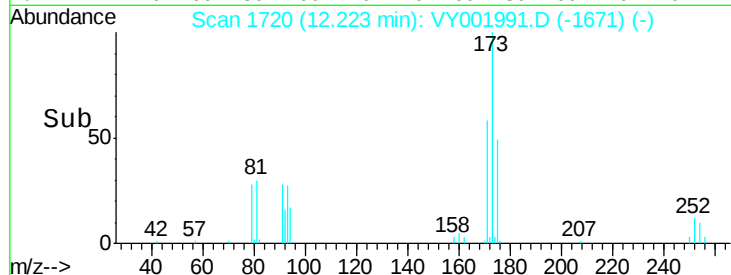
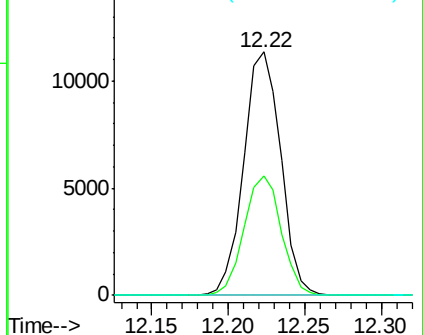


Abundance

Ion 172.70 (172.40 to 173.40): V

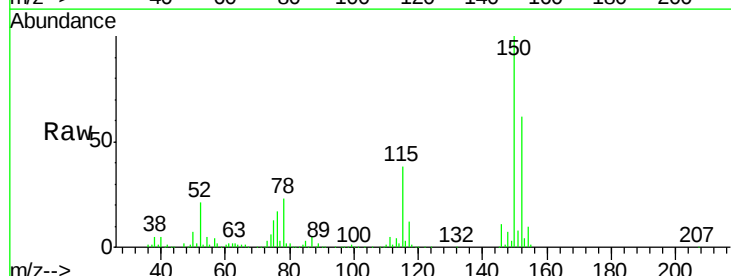
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	29.9	89.7
150	165.2	0.0	340.6

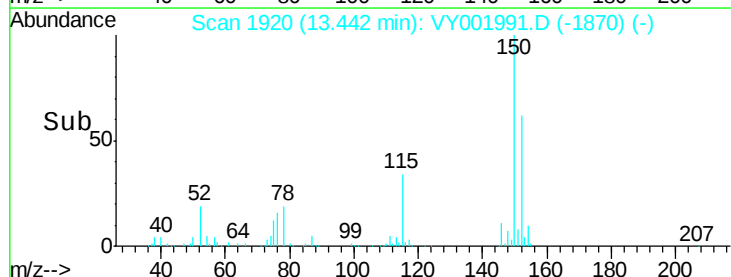
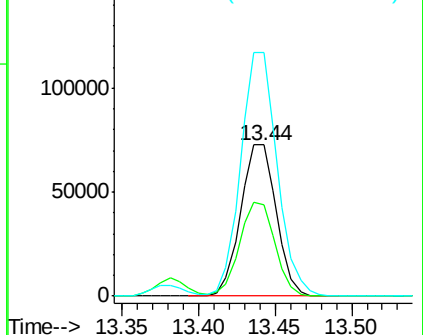


Abundance

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: 21.175 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 105 Resp: 190036

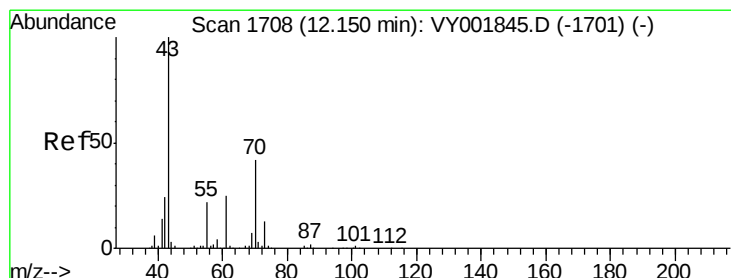
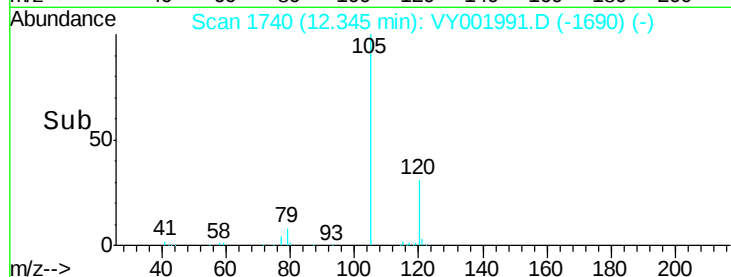
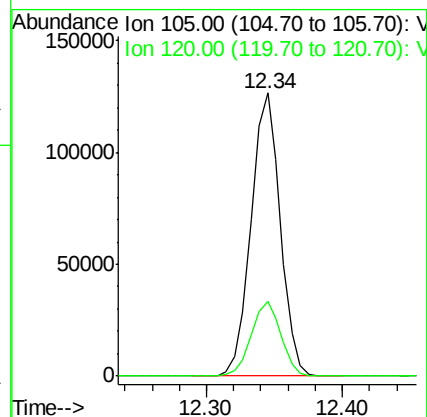
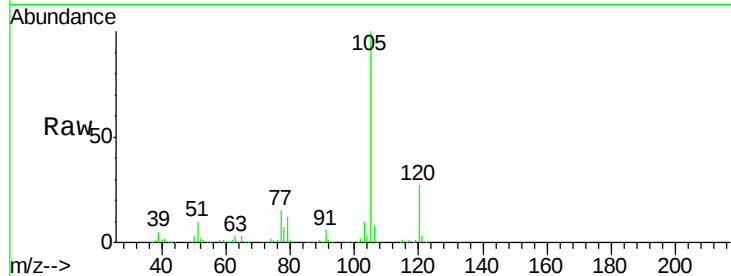
Ion Ratio Lower Upper

105 100

120 26.8 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.159 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion: 43 Resp: 55603

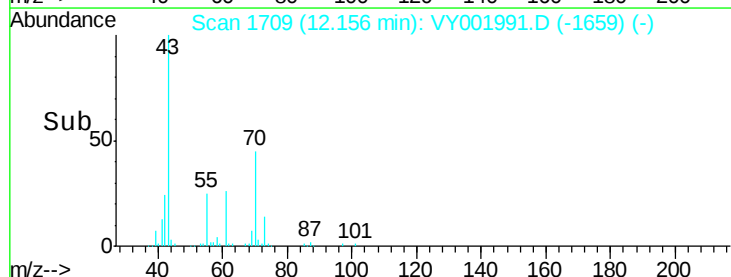
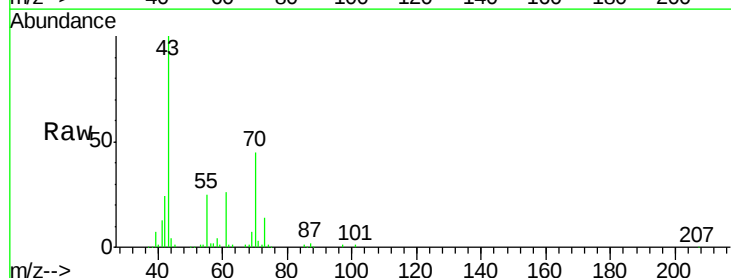
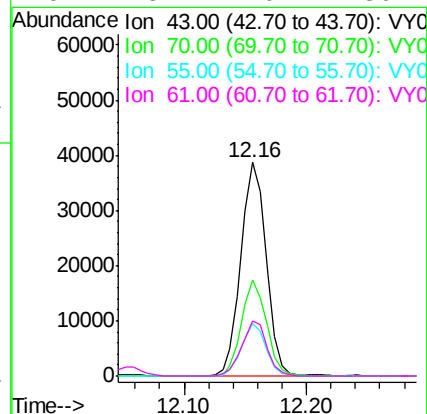
Ion Ratio Lower Upper

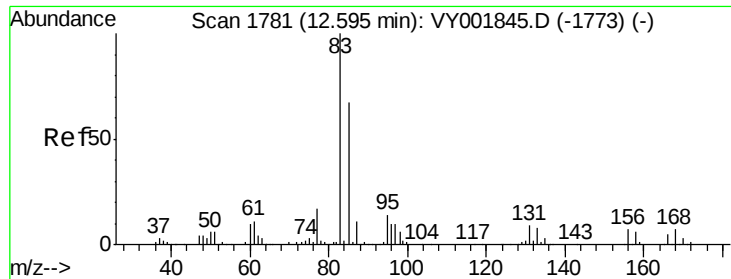
43 100

70 44.0 34.7 52.1

55 23.8 18.2 27.4

61 25.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.192 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

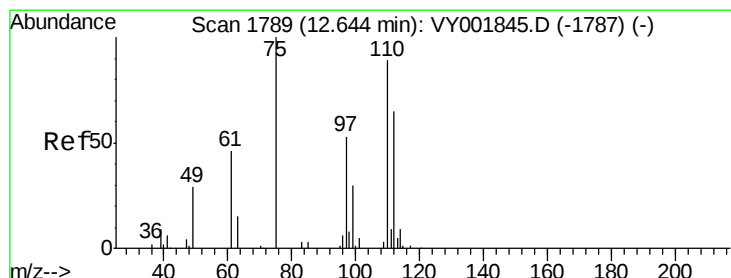
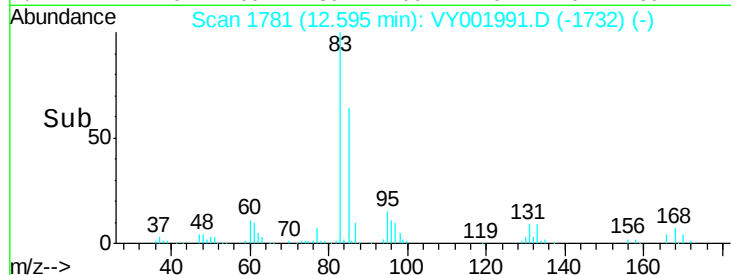
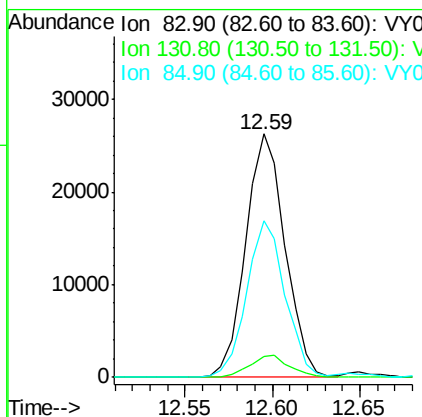
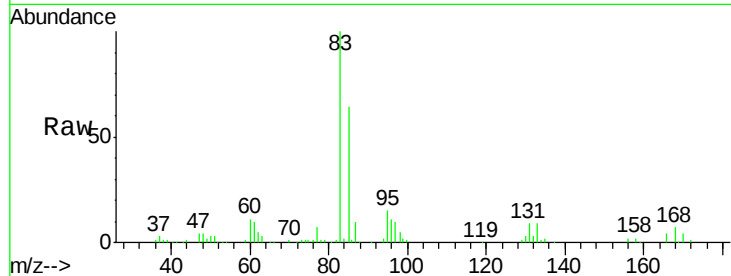
ClientSampleId :

VY0317SBS01

Tot Ion:	83	Resp:	41014
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	62.8	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 22.158 ug/l m

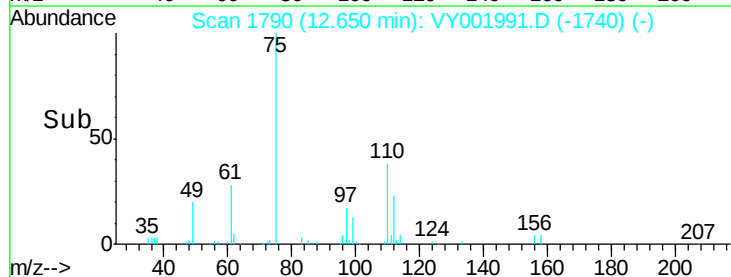
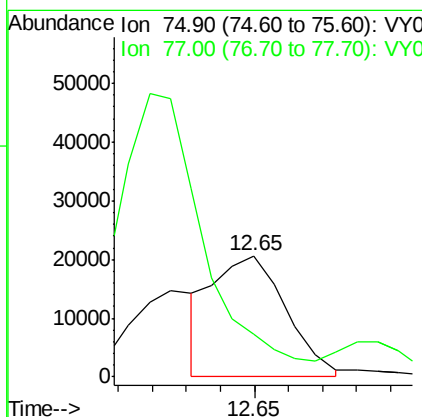
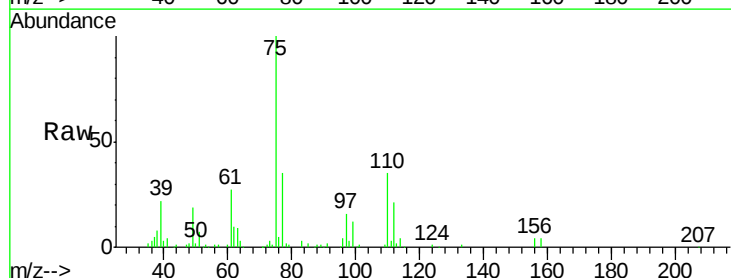
RT: 12.65 min Scan# 1790

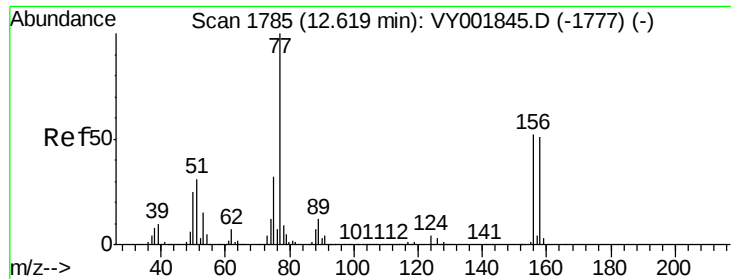
Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion:	75	Resp:	30910
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.411 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

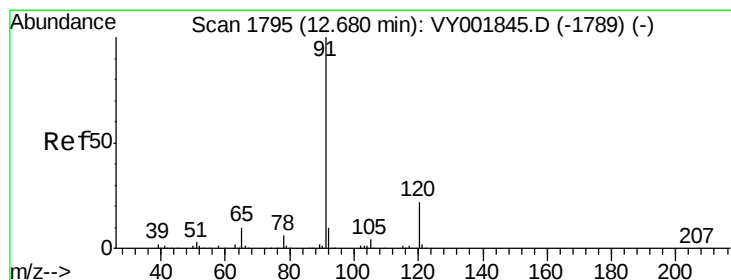
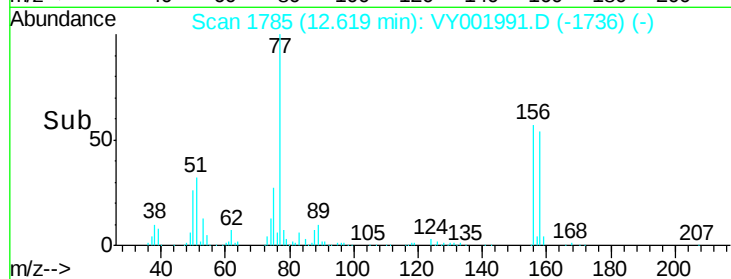
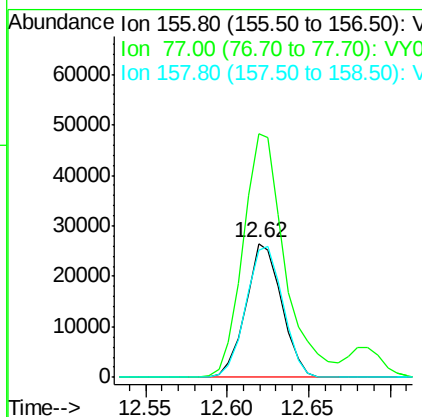
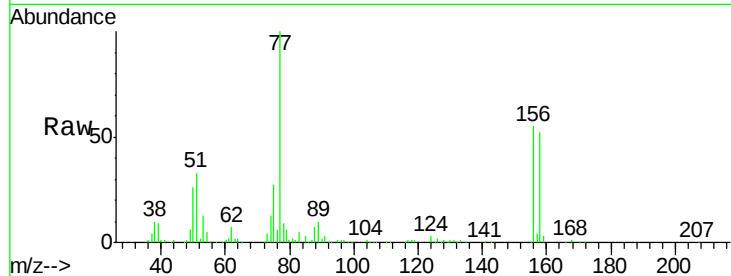
ClientSampleId :

VY0317SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.4	109.0	327.0
158	100.5	48.9	146.8

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#78

n-propylbenzene

Concen: 21.327 ug/l

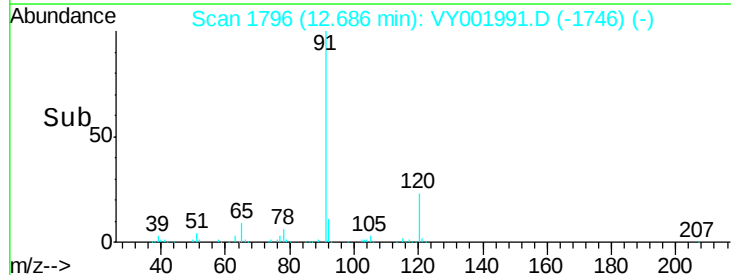
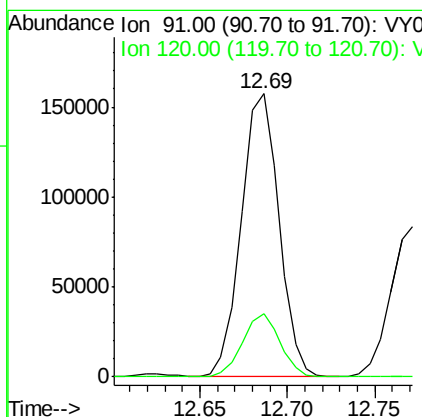
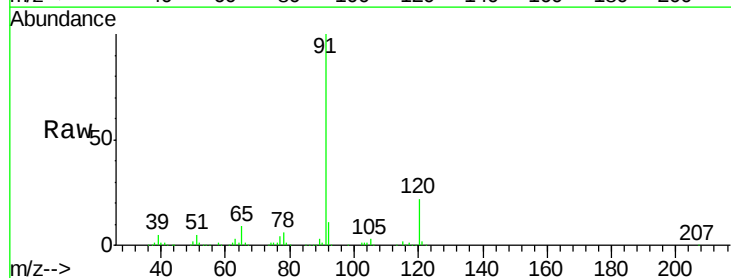
RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.363 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001991.D

Acq: 17 Mar 2020 11:00

Instrument :

MSVOA_Y

ClientSampleId :

VY0317SBS01

Tot Ion: 91 Resp: 130681

Ion Ratio Lower Upper

91 100

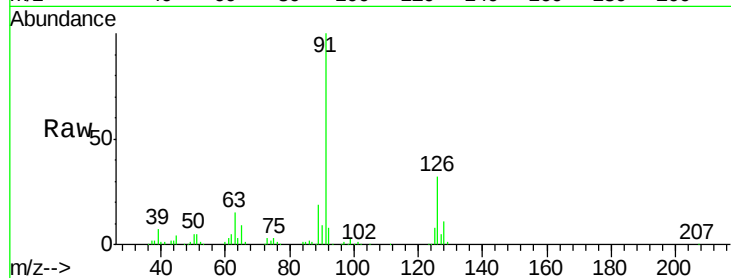
126 32.3 16.3 48.8

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Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001845.D (-1802) (-)

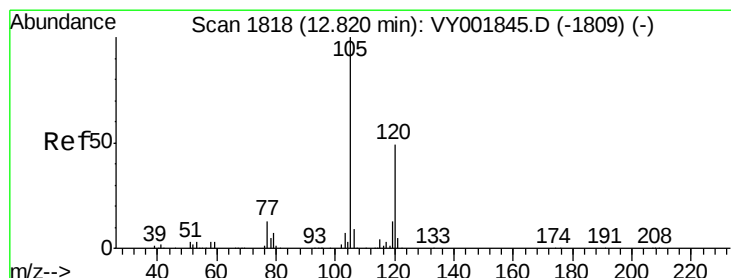
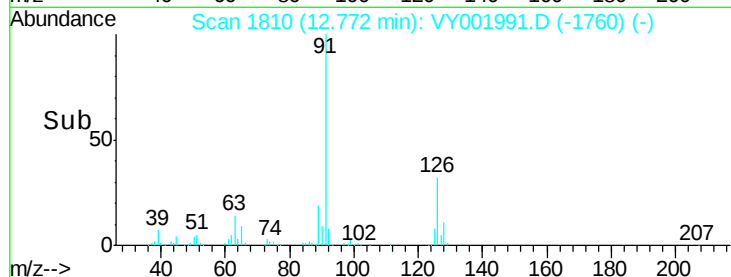
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.468 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001991.D

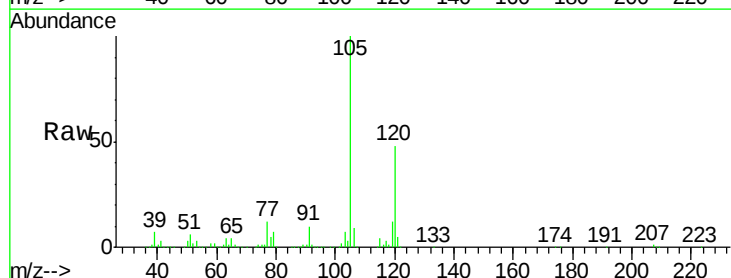
Acq: 17 Mar 2020 11:00

Tgt Ion: 105 Resp: 158609

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001845.D (-1809) (-)

120000

100000

80000

60000

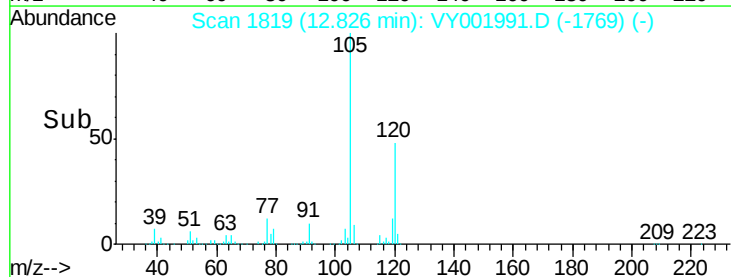
40000

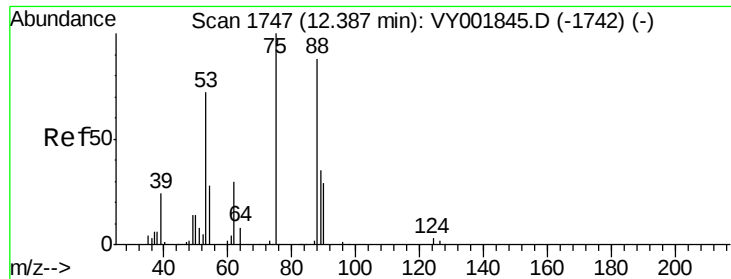
20000

0

12.80 12.83 12.86

Time-->





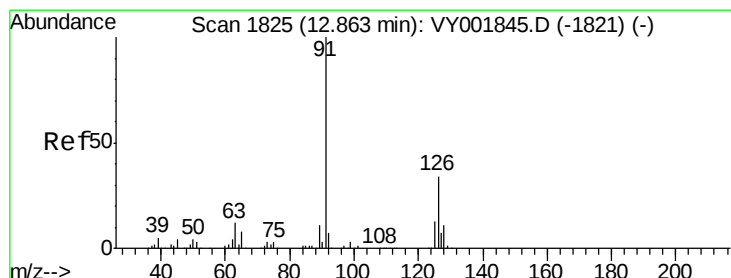
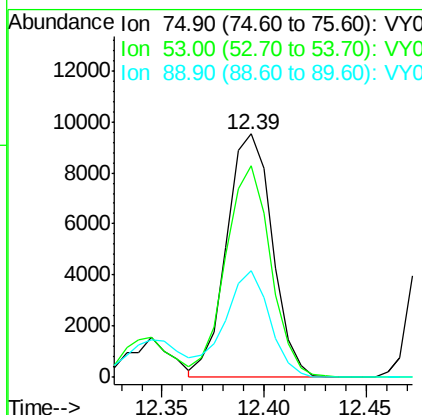
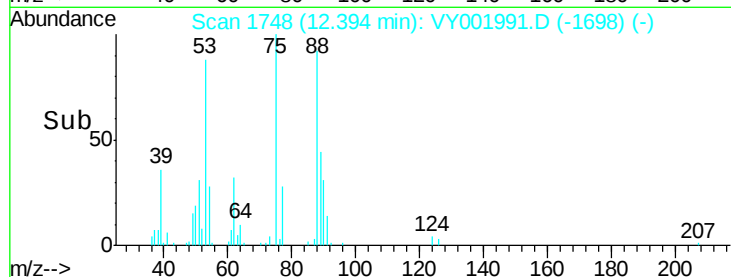
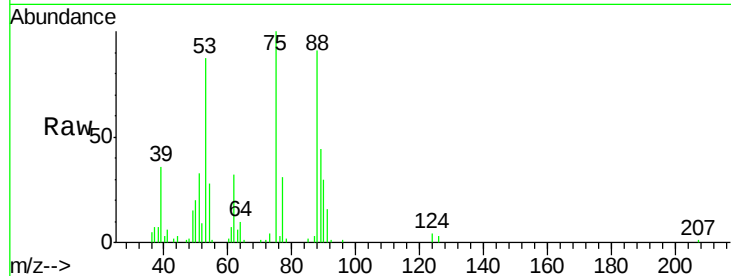
#81
trans-1,4-Dichloro-2-butene
Concen: 21.403 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.7	65.4	98.0
89	43.5	36.0	54.0

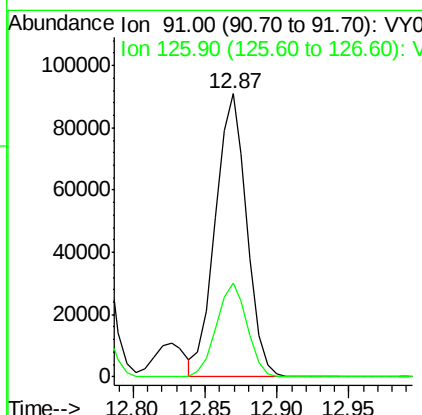
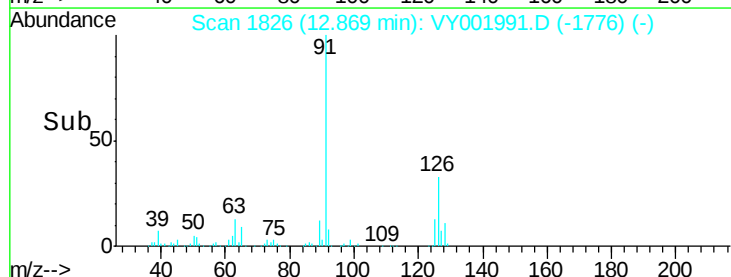
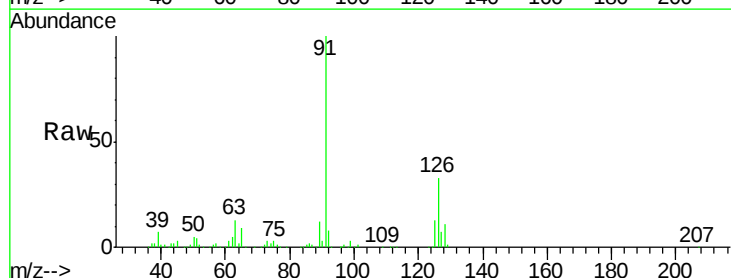
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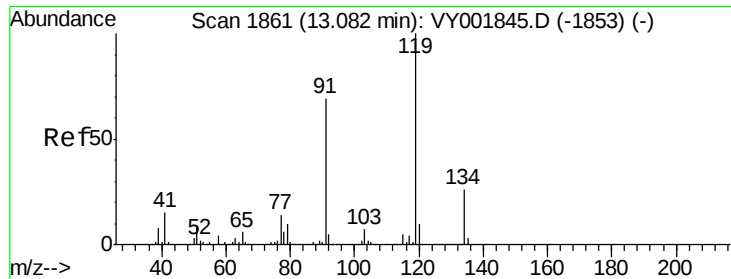
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.727 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.2





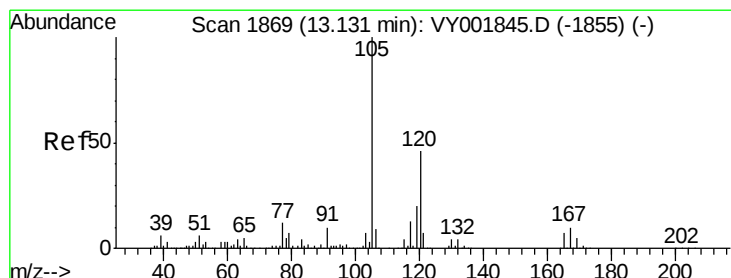
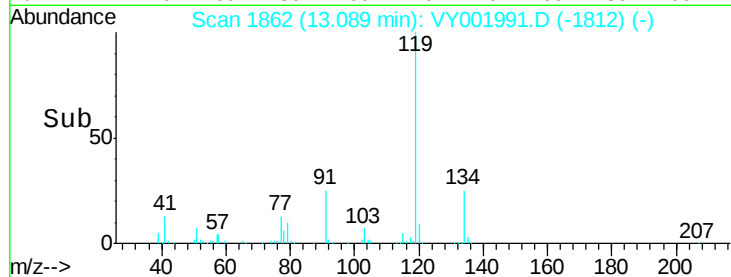
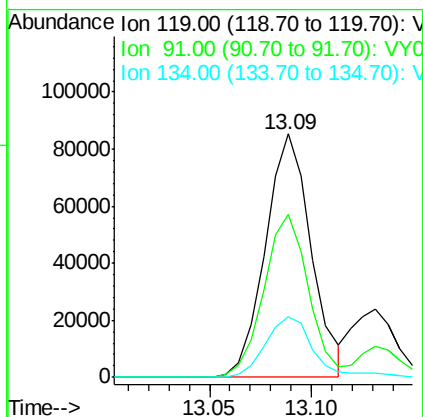
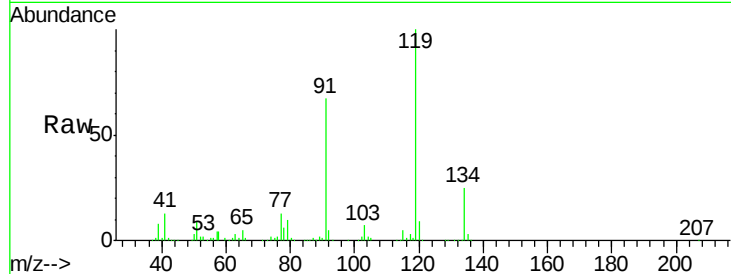
#83
tert-Butylbenzene
Concen: 21.630 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	34.0	101.8
134	26.6	13.5	40.4

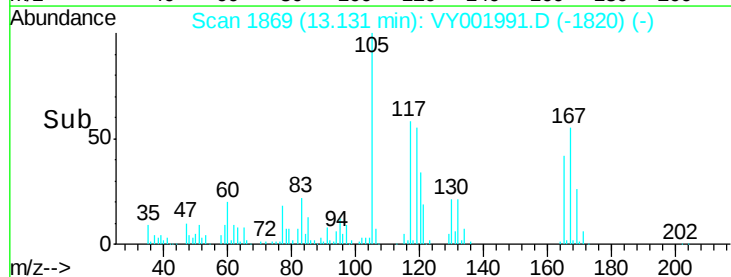
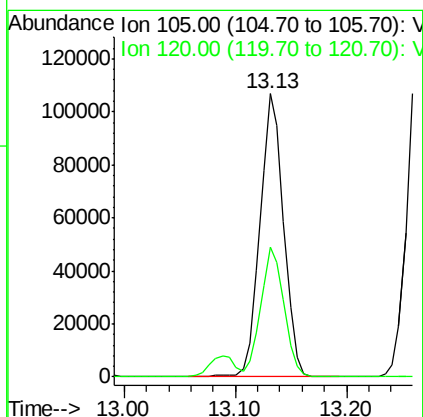
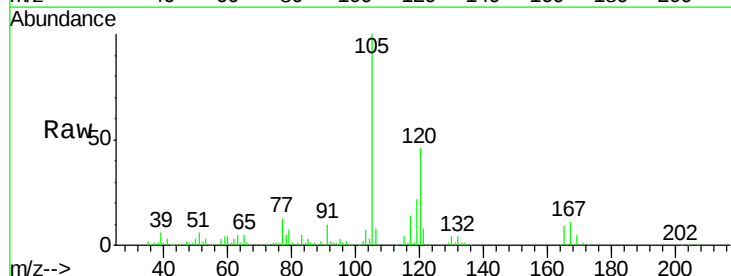
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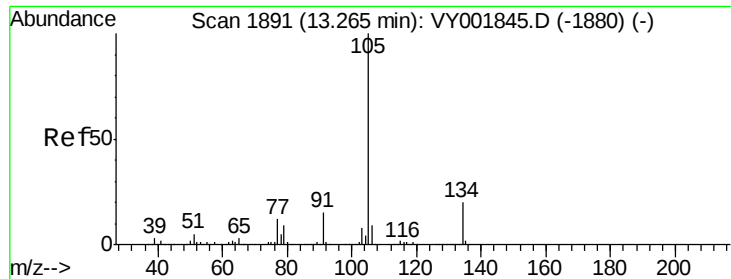
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#84
1,2,4-Trimethylbenzene
Concen: 21.582 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





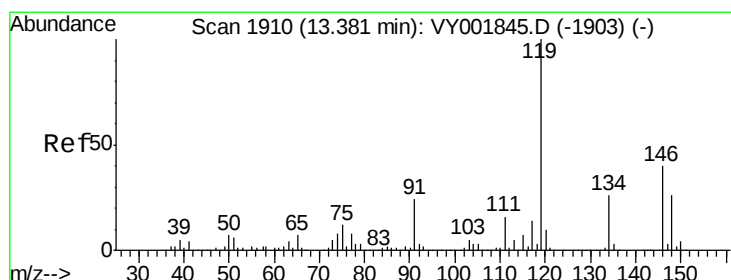
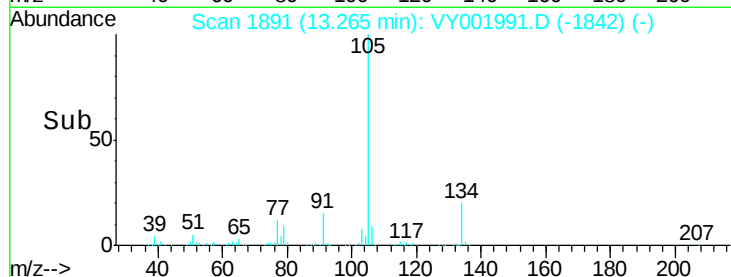
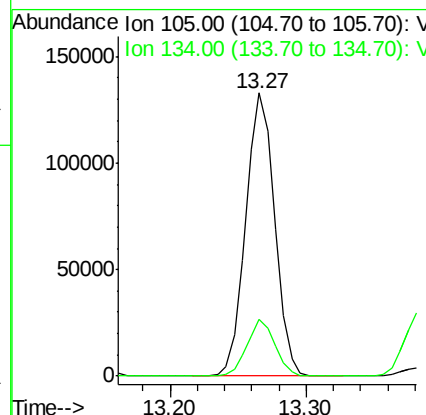
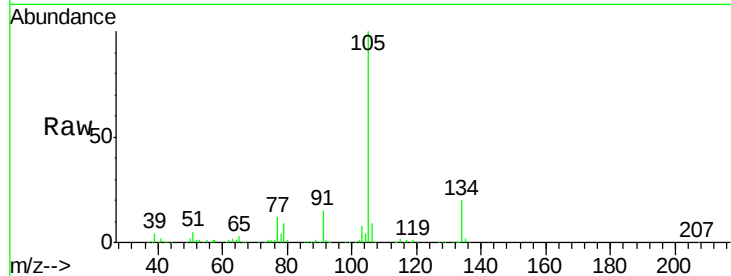
#85
 sec-Butylbenzene
 Concen: 21.877 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

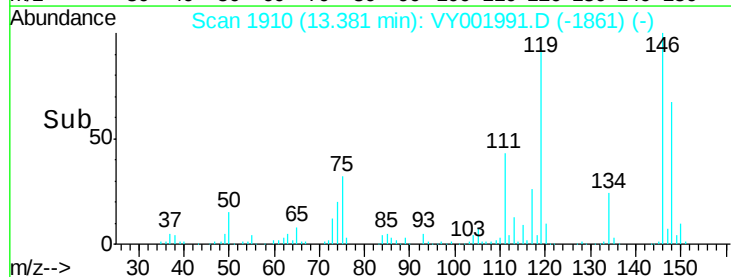
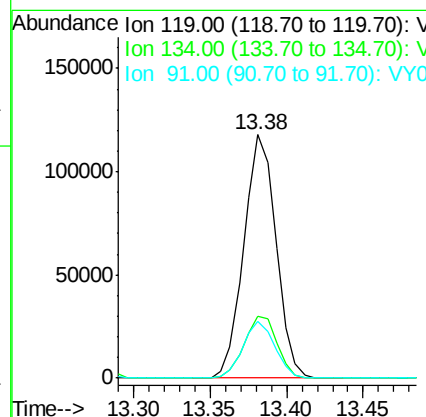
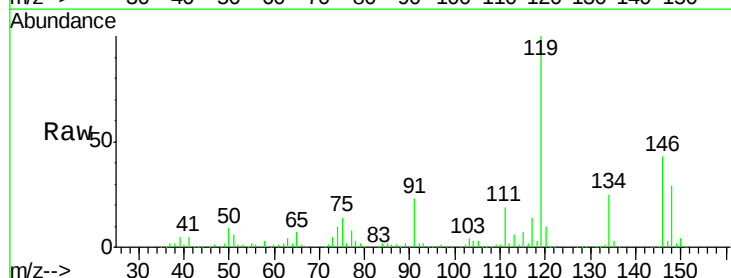
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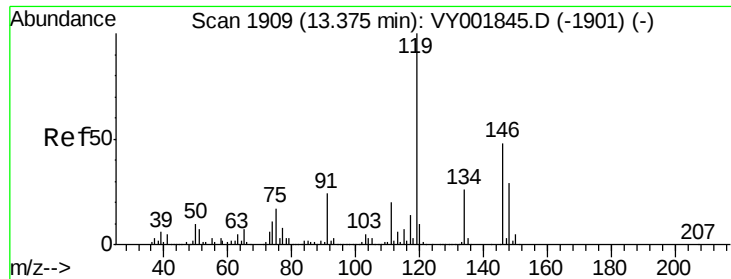
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 3/18/2020 11:13:07 AM



#86
 p-Isopropyltoluene
 Concen: 22.057 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	23.0	11.9	35.7





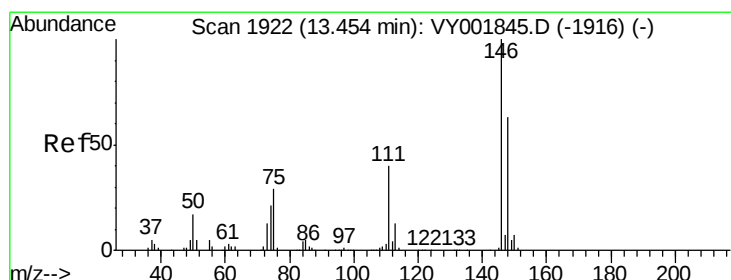
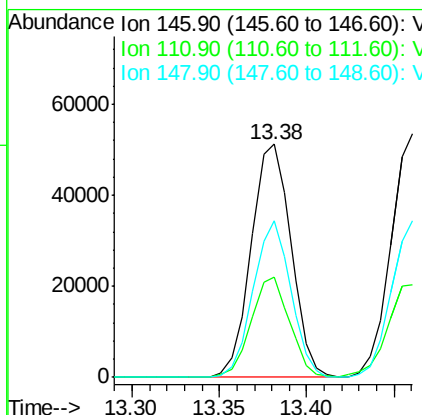
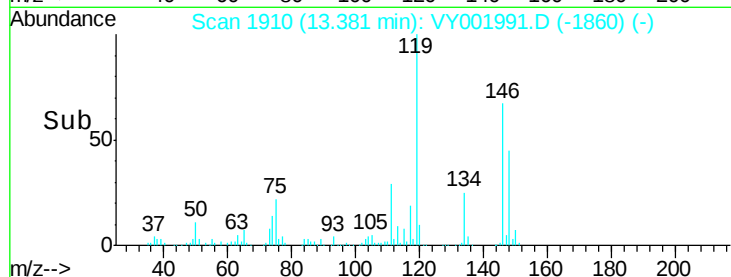
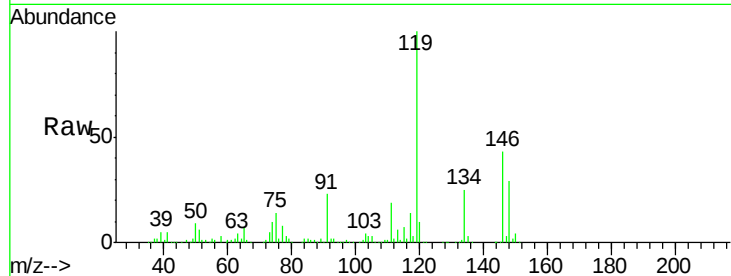
#87
 1,3-Dichlorobenzene
 Concen: 21.831 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.5
148	63.5	31.4	94.0

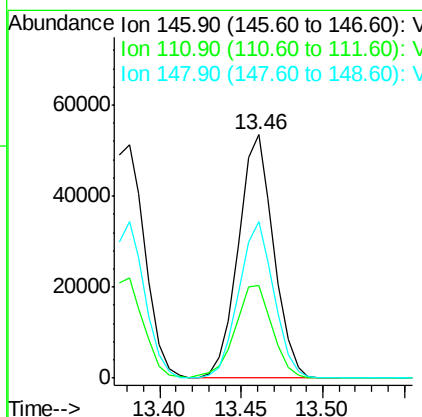
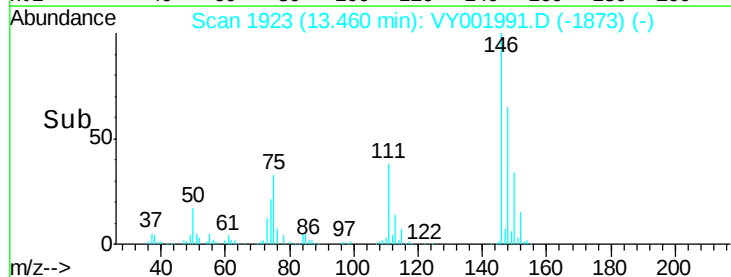
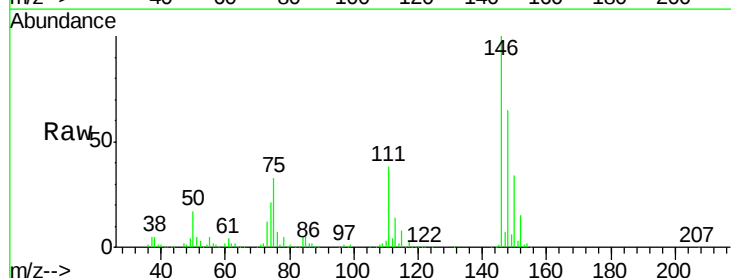
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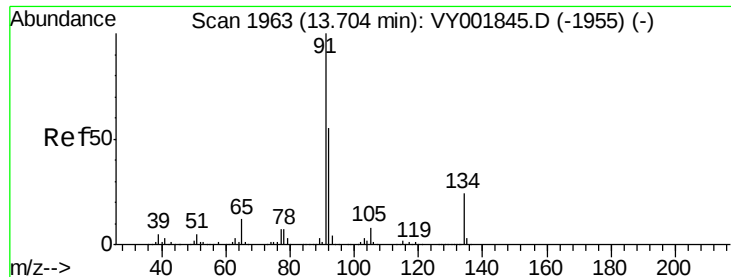
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#88
 1,4-Dichlorobenzene
 Concen: 21.344 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	64.0	31.5	94.5





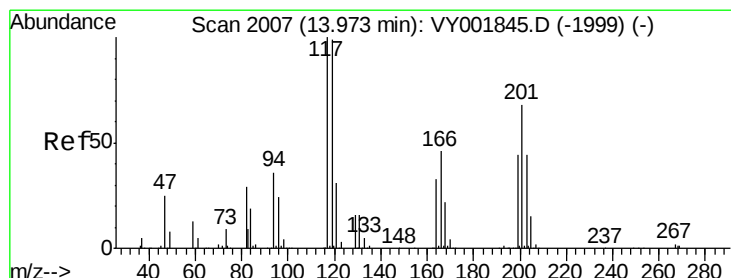
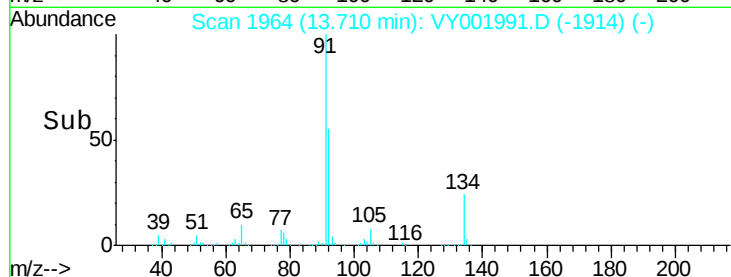
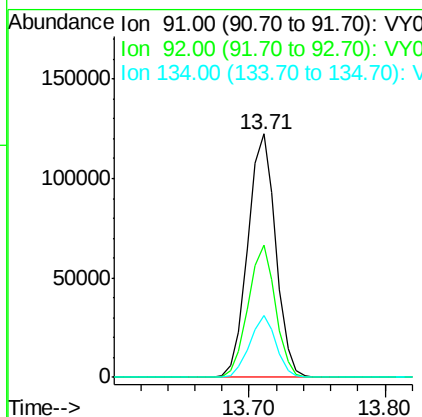
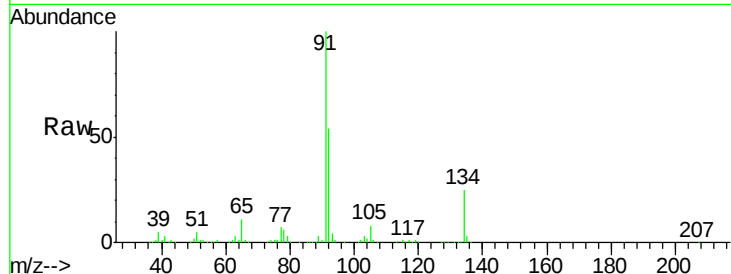
#89
n-Butylbenzene
Concen: 21.669 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	175412		
92	53.5		27.5	82.4
134	24.2		12.5	37.5

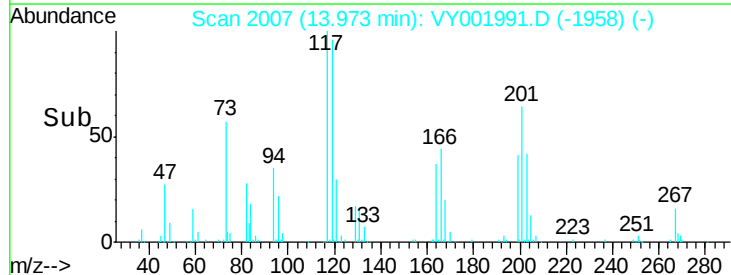
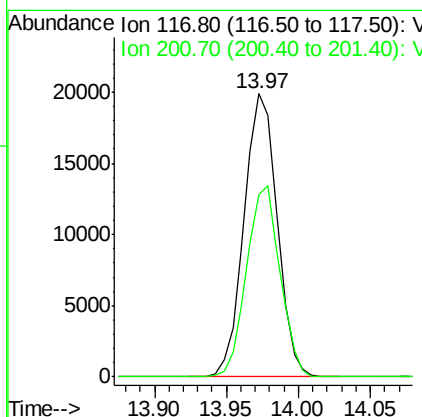
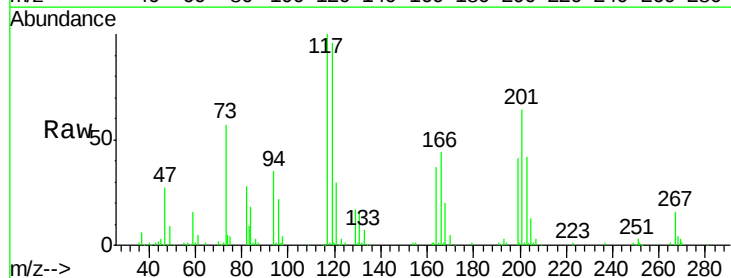
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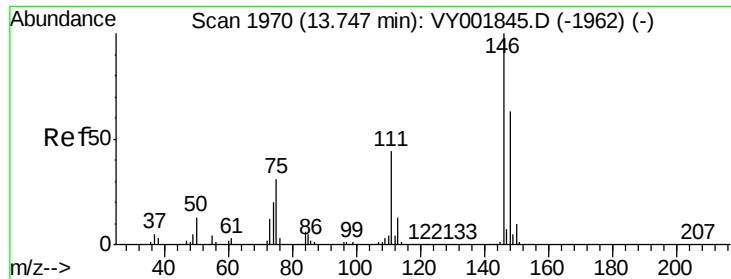
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#90
Hexachloroethane
Concen: 21.505 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31655		
201	67.8		32.5	97.5





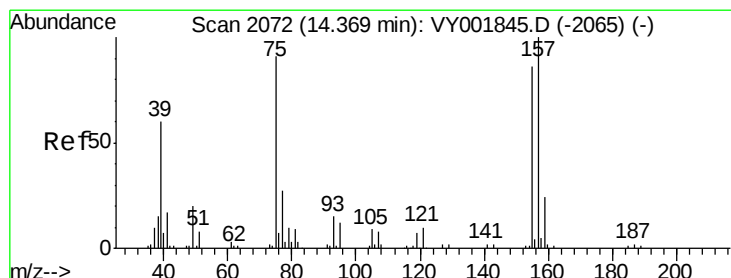
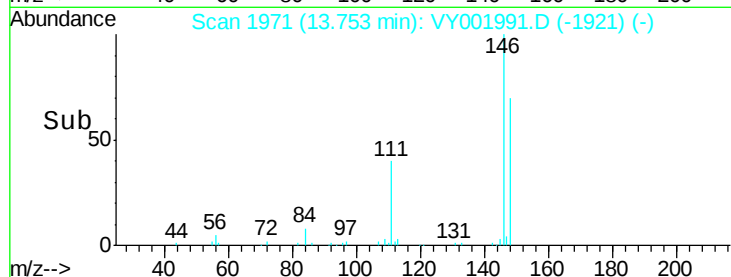
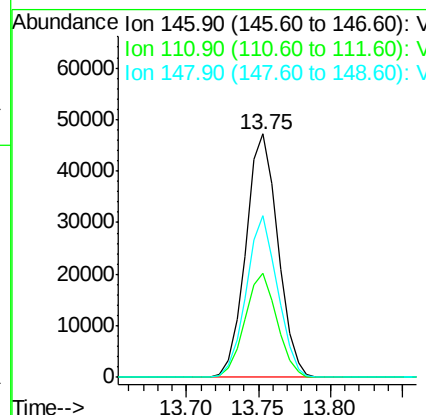
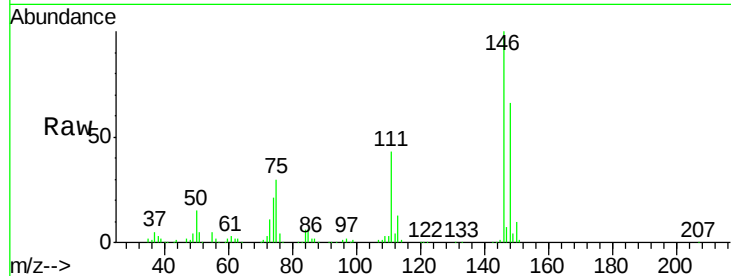
#91
 1,2-Dichlorobenzene
 Concen: 21.509 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.5	64.5
148	64.4	32.0	96.0

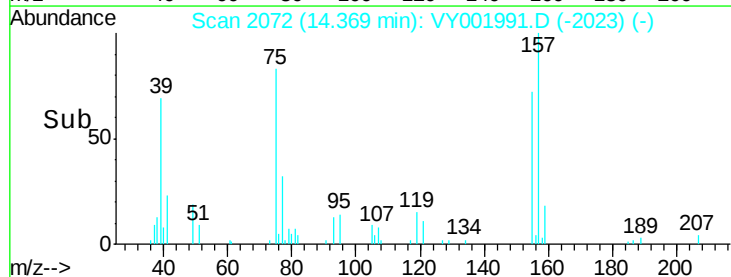
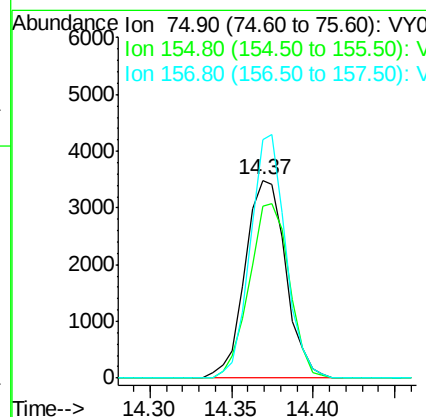
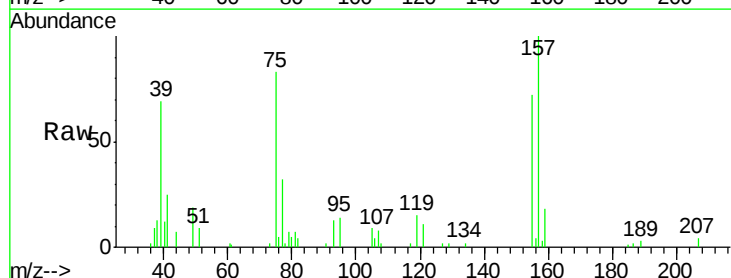
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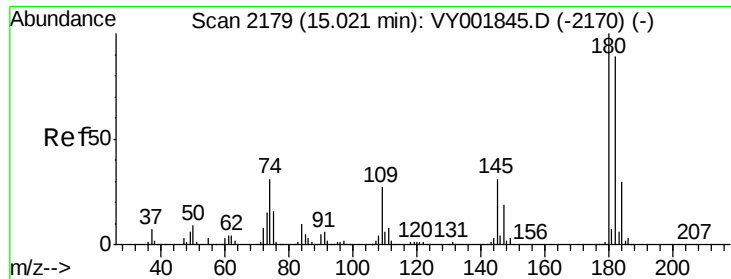
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.099 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	42.9	128.7
157	106.7	53.1	159.4





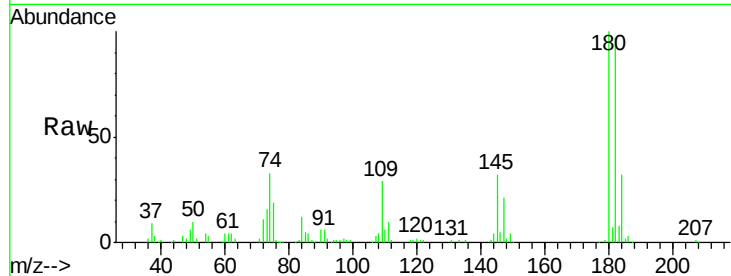
#93
 1,2,4-Trichlorobenzene
 Concen: 21.247 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

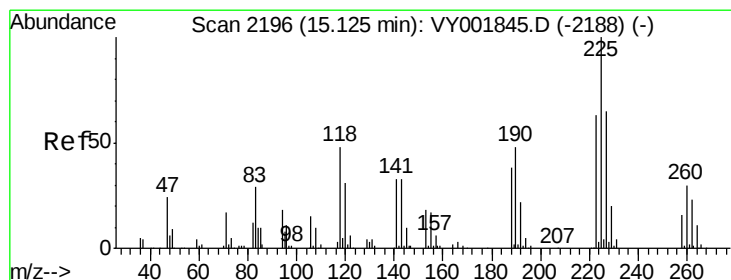
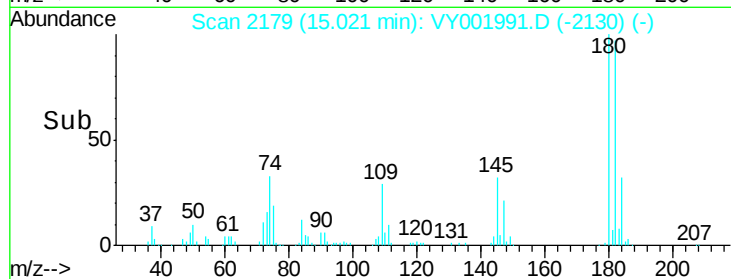
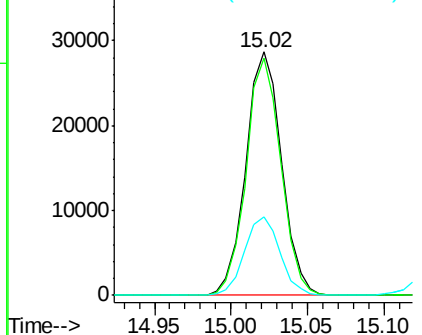
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.1	138.3
145	31.9	15.6	46.8

Manual Integrations
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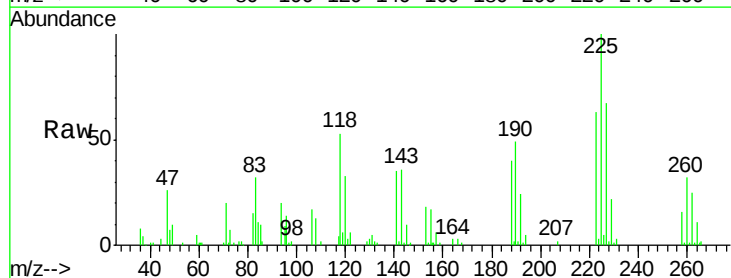


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

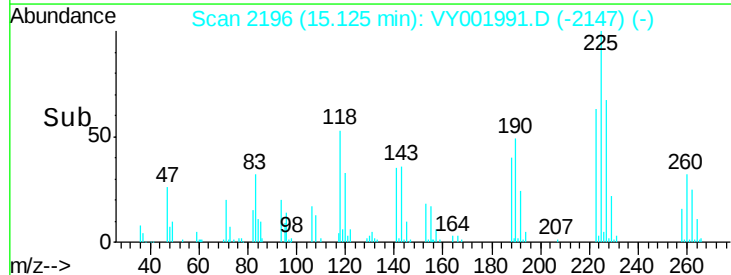
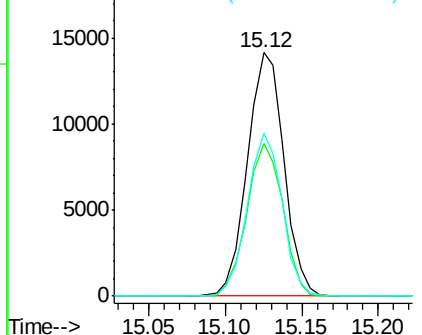


#94
 Hexachlorobutadiene
 Concen: 21.920 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VY001991.D
 Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.5	94.5
227	63.9	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





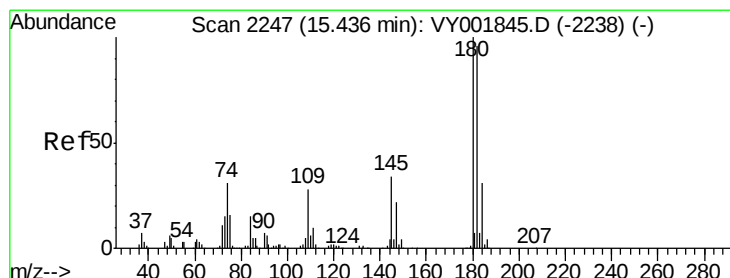
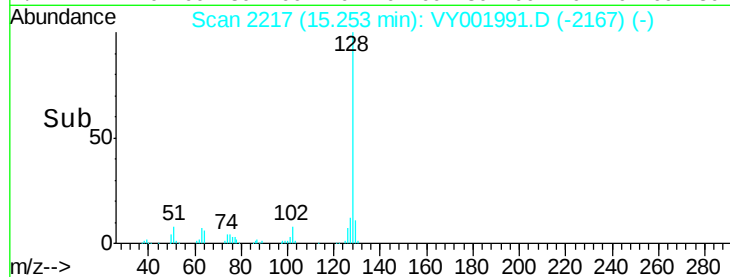
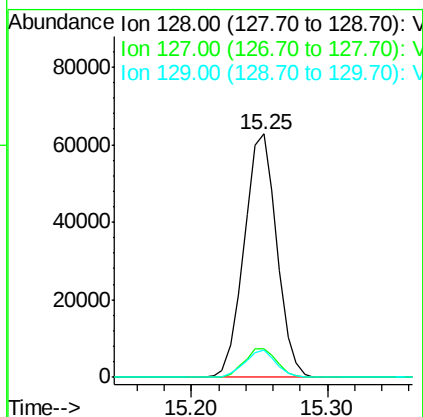
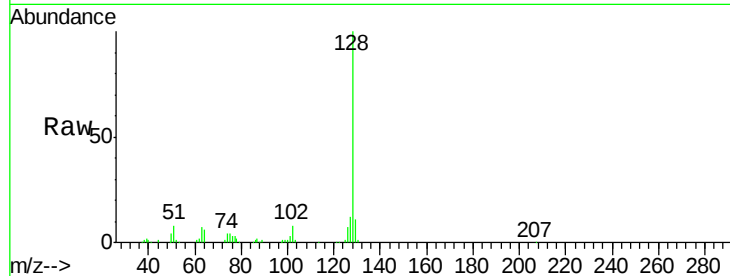
#95
Naphthalene
Concen: 20.215 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	105262		
127	12.0		10.1	15.1
129	10.8		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/18/2020 11:13:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.977 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001991.D
Acq: 17 Mar 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40567		
182	94.2		47.6	142.9
145	34.4		16.8	50.3

